Appendix Q. Relevant As-built Plans

DRAFT

Q.1 Relief Storm Sewer – Swann Ave and Parkland Blvd

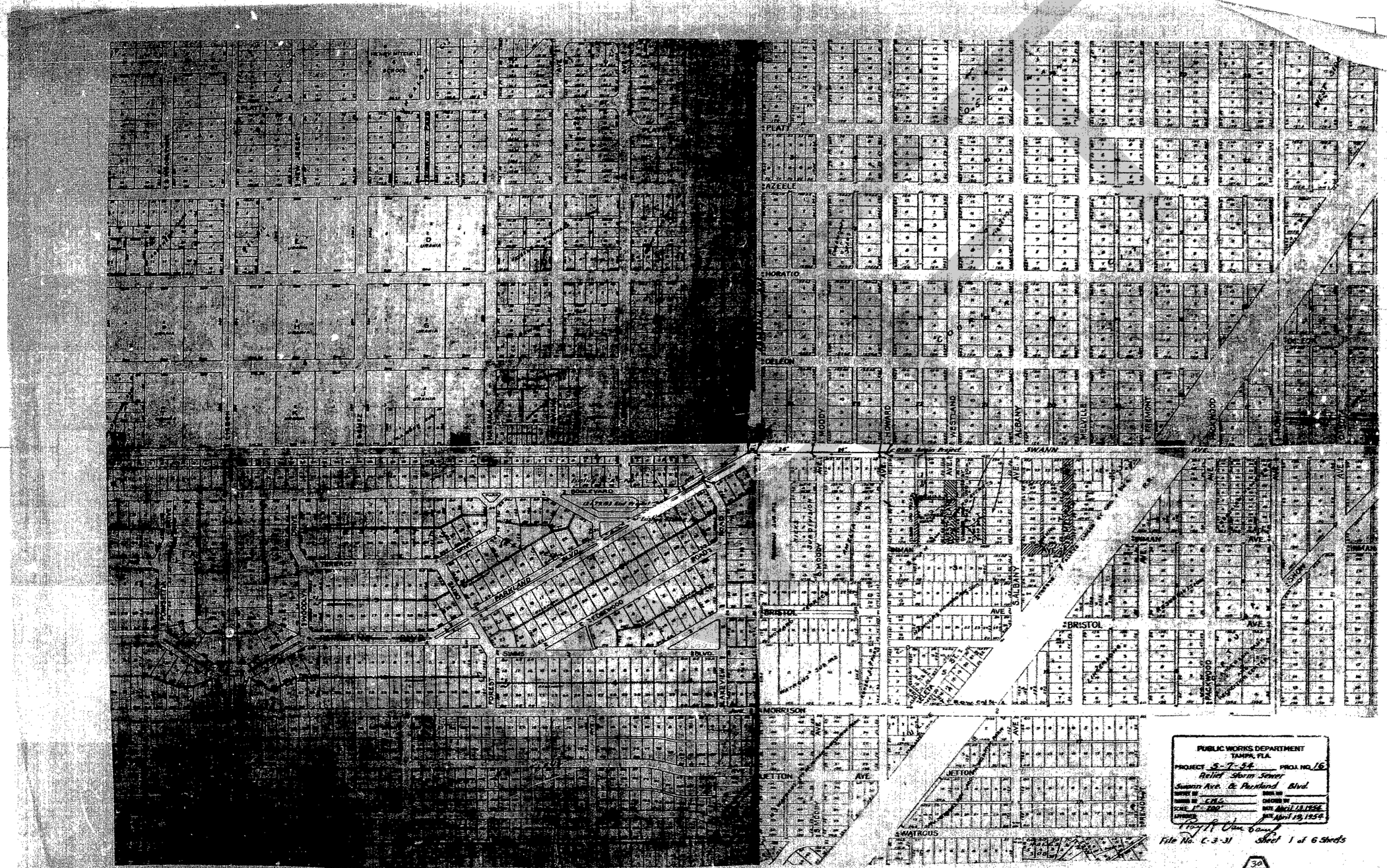
DRAFT

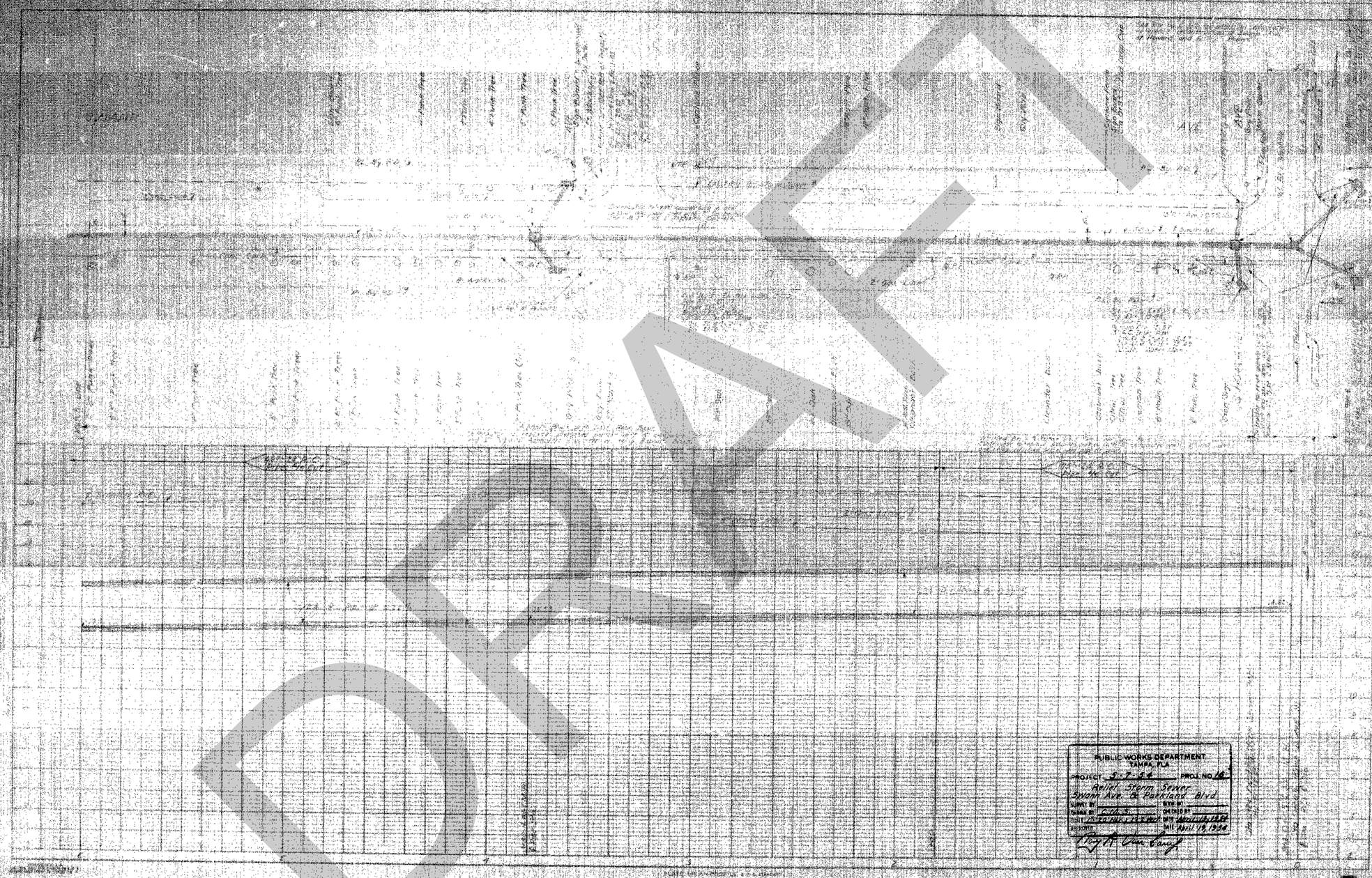
RELIEF STORM SEWER
SWANN AVE. AND PARKLAND BOULEVARD

PUBLIC WORKS DEPARTMENT
CITY OF TAMPA FLORIDA
SCHEDULE S-7-54 PROJECT NO. 16.

File No. C-3-31

DRAFT


PLATT
AZEELE
HORATIO
DELEON
MOODY
HOWARD
WESTLAND
ALBANY
MELVILLE
FREMONT
PACKWOOD
SWANN
AVE.
BOULEVARD
PARKLAND
BRISTOL
MORRISON
JETTON
WATROUS
FOREST
LAKEVIEW
SWIMS
BLVD.
PUBLIC WORKS DEPARTMENT
TAMPA, FLA.
PROJECT 5-7-54
PROJ. NO. 16
Relief Storm Sewer
Swann Ave. & Parkland Blvd.
SCALE 1" = 200'
DATE April 13, 1954
DATE April 19, 1954
File No. C-3-31
Sheet 1 of 6 Sheets
30
17


AVE
PUBLIC WORKS DEPARTMENT
TAMPA, FLA.
PROJECT 5-7-54
PROJ. NO. 16
Relief Storm Sewer
Swann Ave. & Parkland Blvd.
SURVEY BY
DRAWN BY C.M.S.
CHECKED BY
DATE April 19, 1954
APPROVED
DATE April 19, 1954
File No. C 3-31
Sheet 2 of 6 Sheets

DRAFT

PARKLAND BLVD.

SWANN AVE.

ARMENIA AVE.

LAKEVIEW

Std. Inlet & Pipe E Sta. 9+16
Top El. 17.95
Throat El. 17.24
Bottom El. 13.91
15" R.C. Inlet Pipe
Inv. El @ Inlet 13.91
Inv. El @ M.H. 13.66

Concrete Collar Sta. 9+30
For details see Sheet No. 6

Std. Inlet & Pipe E Sta. 9+24
Top El. 17.99
Throat El. 17.36
Bottom El. 13.93
15" R.C. Inlet Pipe
Inv. El @ Inlet 13.93
Inv. El @ M.H. 13.76
(On 8" gas line)

Std. Inlet & Pipe E Sta. 9+40
Top El. 18.37
Throat El. 17.50
Bottom El. 14.05
15" R.C. Inlet Pipe
Inv. El @ Inlet 14.07
Inv. El @ M.H. 13.91

Existing 8" Storm Sewer

Existing 8" Sewer Main

Existing 8" Water Main

Existing 8" Gas Line

Existing Overhead Wires

Existing Fence

Existing Trees

Existing Shrubs

Existing Bushes

Existing Grass

Existing Ground

Existing Pavement

Existing Curb

Existing Sidewalk

Existing Driveway

Existing Manhole

Existing Inlet

Existing Light Pole

Existing Power Pole

Existing Telephone Pole

Existing Guy Wire

Existing Fire Hydrant

Existing Water Valve

Existing Gas Valve

Existing Meter

Existing Mailbox

Existing Sign

Existing Bench

Existing Trash Can

Existing Flower Bed

Existing Rock

Existing Boulder

Existing Stump

Existing Log

Existing Brush

Existing Weeds

Existing Vines

Existing Ivy

Existing Moss

Existing Lichen

Existing Mushrooms

Existing Toadstools

Existing Birds

Existing Squirrels

Existing Rabbits

Existing Deer

Existing Bear

Existing Fox

Existing Coyote

Existing Wolf

Existing Cougar

Existing Bobcat

Existing Lynx

Existing Raccoon

Existing Skunk

Existing Opossum

Existing Armadillo

Existing Porcupine

Existing Beaver

Existing Otter

Existing Muskrat

Existing Mink

Existing Weasel

Existing Ferret

Existing Badger

Existing Wolverine

Existing Fisher

Existing Marten

Existing Pine Tree

Existing Oak Tree

Existing Maple Tree

Existing Elm Tree

Existing Ash Tree

Existing Birch Tree

Existing Willow Tree

Existing Poplar Tree

Existing Cottonwood Tree

Existing Aspen Tree

Existing Spruce Tree

Existing Fir Tree

Existing Hemlock Tree

Existing Cedar Tree

Existing Redwood Tree

Existing Sequoia Tree

Existing Palm Tree

Existing Cactus

Existing Yucca

Existing Agave

Existing Ocotillo

Existing Mesquite

Existing Creosote Bush

Existing Sagebrush

Existing Rabbitbrush

Existing Greasewood

Existing Saltbush

Existing Shadscale

Existing Winterfat

Existing Indian Ricegrass

Existing Galleta

Existing Blue Grama

Existing Buffalo Grass

Existing Western Wheatgrass

Existing Bluebunch Wheatgrass

Existing Needle-and-Thread

Existing Sand Dropseed

Existing Alkali Sacaton

Existing Inland Saltgrass

Existing Foxtail Barley

Existing Bottlebrush Squirreltail

Existing Cheatgrass

Existing Russian Thistle

Existing Kochia

Existing Halogeton

Existing Tumbleweed

Existing Prickly Lettuce

Existing Wild Lettuce

Existing Dandelion

Existing Salsify

Existing Goatsbeard

Existing Hawksbeard

Existing Sowthistle

Existing Groundsel

Existing Ragwort

Existing Senecio

Existing Arrowleaf Balsamroot

Existing Mule's Ears

Existing Wyethia

Existing Balsamroot

Existing Sunflower

Existing Gumweed

Existing Rubber Rabbitbrush

Existing Douglas Rabbitbrush

Existing Green Rabbitbrush

Existing Yellow Rabbitbrush

Existing Gray Rabbitbrush

Existing White Rabbitbrush

Existing Pink Rabbitbrush

Existing Purple Rabbitbrush

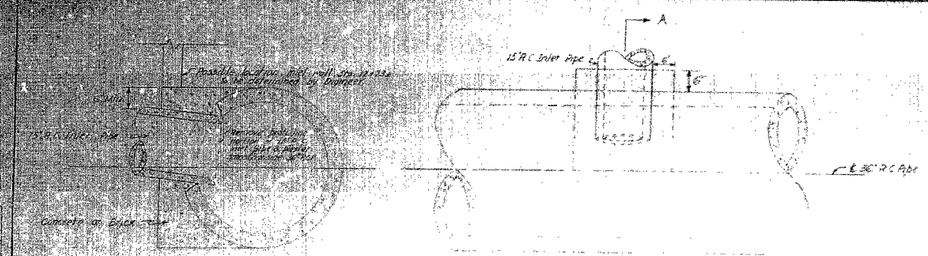
Existing Blue Rabbitbrush

Existing Orange Rabbitbrush

Existing Red Rabbitbrush

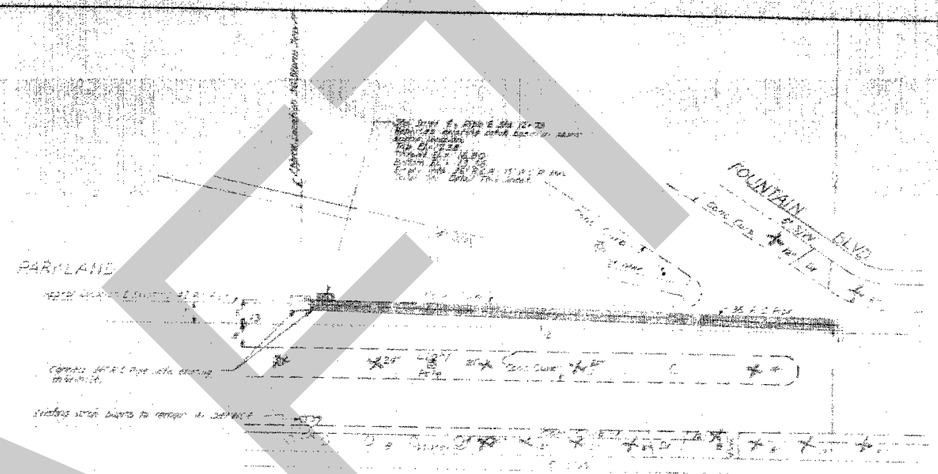
Existing Brown Rabbitbrush

Existing Black



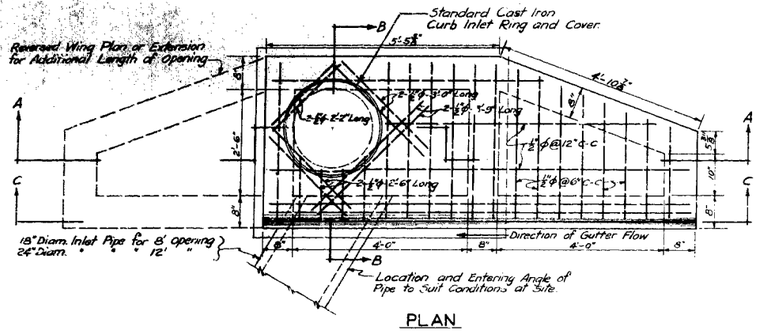
SECTION A-A

DETAIL OF COLLAR
Sta. 9+30 & Sta. 12 + 1.5
Scale 1/4"=1'-0"

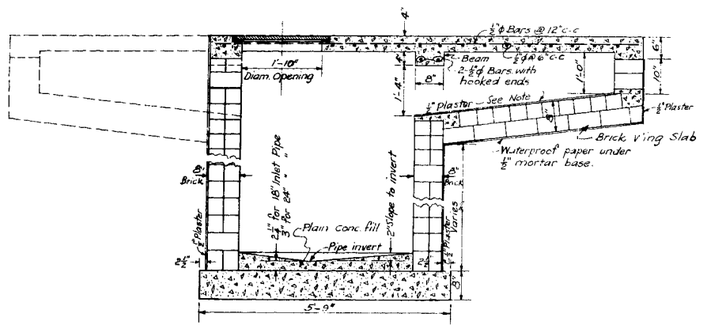


GENERAL CONSTRUCTION NOTES

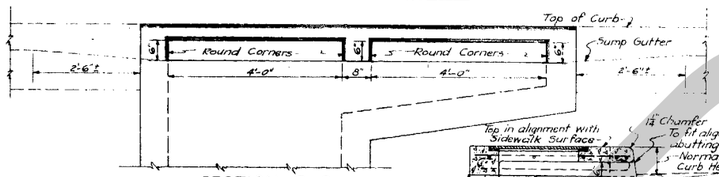
Manhole and inlet walls shall be built laid in Portland cement mortar and shall be plastered on the outside with 1:2 cm cement mortar to a minimum thickness before plastering shall be as follows: for depth of invert not more than 8 feet, 8" brick for 3 manhole fronts resting 8" on footing, for depth of invert more than 8 feet, 8" brick for 3 manhole fronts resting 8" on footing, for depth of invert more than 8 feet, 8" brick for 3 manhole fronts resting 8" on footing. Brick to be laid with broken joints in stretcher courses, with every sixth course a header course. Height of open ... a distance from the bottom of bottom slab to bottom curve of the pipe, the ... increased proportionately when other ... Where ... is called for ... shall be ... Where ... is called for ... shall be ... Where ... is called for ... shall be



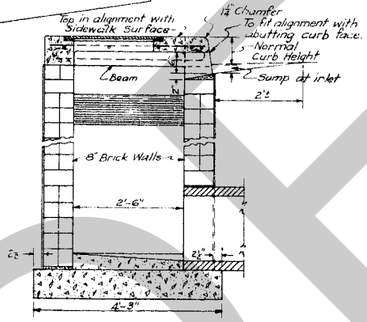
PLAN



SECTION A-A



SECTION C-C



SECTION B-B

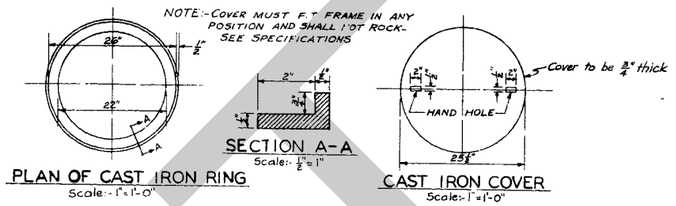
BAR SCHEDULE FOR TOP SLAB

NO.	SIZE	LOCATION	LENGTH
7	⅝"ϕ	Transverse Bars	3'-6"
1	"	Ditto	3'-4"
1	"	"	3'-2"
1	"	"	3'-0"
1	"	"	2'-10"
1	"	"	2'-8"
1	"	"	2'-6"
1	"	"	2'-4"
1	"	"	2'-2"
2	"	"	1'-0"
2	"	"	1'-4"
3	"	Longitudinal Bars	9'-10½"
1	"	Ditto	6'-3"
1	"	"	6'-9"
2	"	Diagonal Bars	3'-9"
2	"	Ditto	3'-0"
2	"	"	2'-6"
2	"	"	2'-2"

SPECIAL STORM WATER CURB INLET

Scale:- ½" = 1'-0"

For General Construction Notes, See Sheet No. 4.

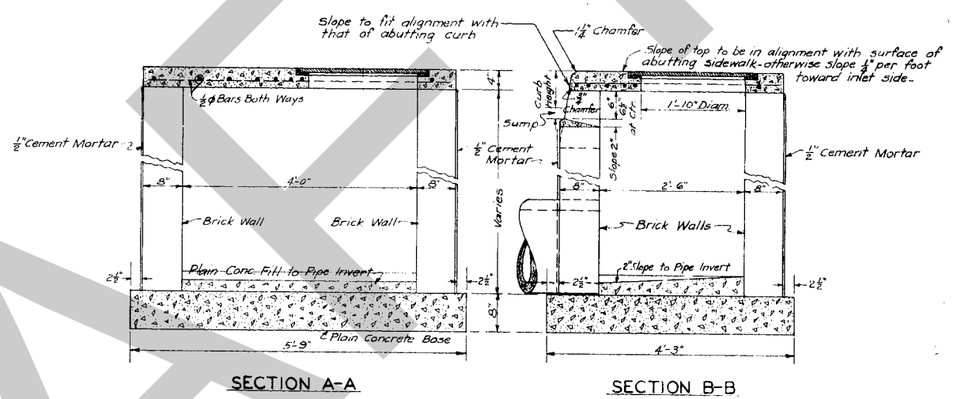


PLAN OF CAST IRON RING
Scale:- 1"=1'-0"

SECTION A-A
Scale:- 1"=1"

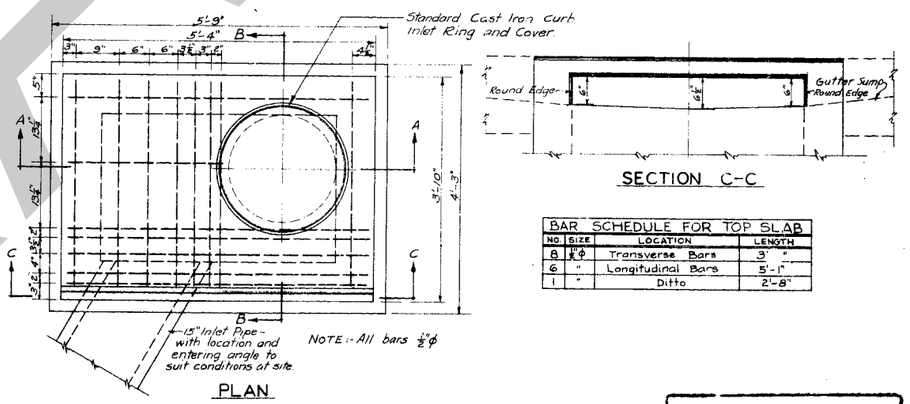
CAST IRON COVER
Scale:- 1"=1'-0"

STANDARD CAST IRON RING AND COVER
—FOR CURB INLETS—



SECTION A-A

SECTION B-B



PLAN

SECTION C-C

BAR SCHEDULE FOR TOP SLAB

NO.	SIZE	LOCATION	LENGTH
8	½"ϕ	Transverse Bars	3' "
6	"	Longitudinal Bars	5'-1"
1	"	Ditto	2'-8"

STANDARD STORM WATER CURB INLET

Scale:- 1"=1'-0"

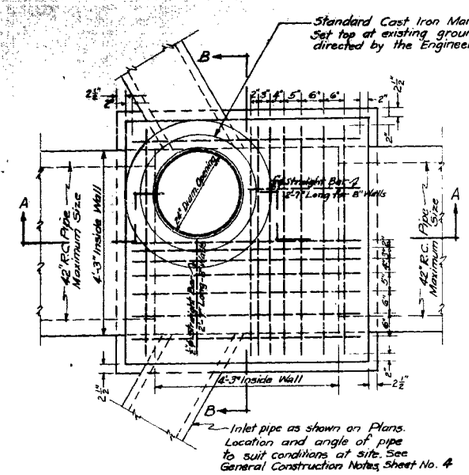
For General Construction Notes, See Sheet No. 4.

PUBLIC WORKS DEPARTMENT
TAMPA, FLA.
PROJECT S-7-34 PROJ. NO. 16
Relief Storm Sewer
Swann Ave. & Parkland Blvd.
SURVEY BY _____ BOOK NO. _____
DRAWN BY _____ CHECKED BY _____
CODE A.S. Shaw DATE April 19, 1934
APPROVED _____ DATE April 19, 1934
Thos. P. Jones Supt.

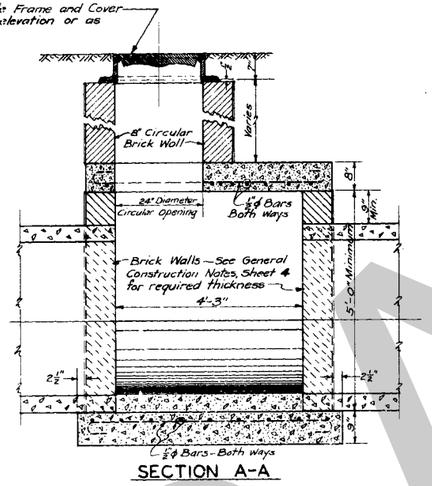
30/17

File No. C-3-31 Sheet 5 of 6 Sheets

DRAFT

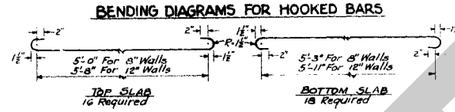


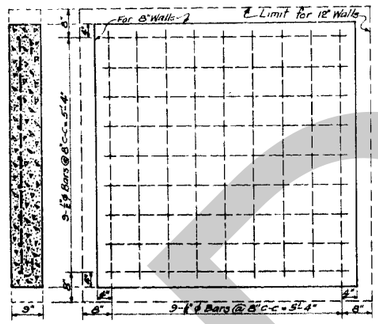
PLAN



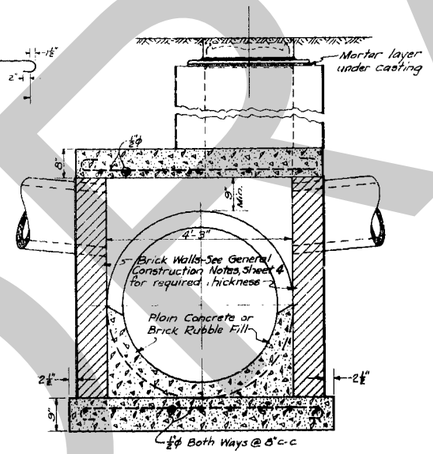
SECTION A-A

BENDING DIAGRAMS FOR HOOKED BARS





PLAN OF BOTTOM SLAB

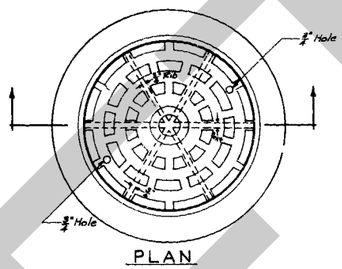


SECTION B-B

TYPE "BX-2" MANHOLE

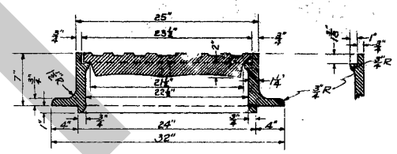
Scale:- ¾" = 1'-0"

For General Construction Notes, See Sheet No. 4



PLAN

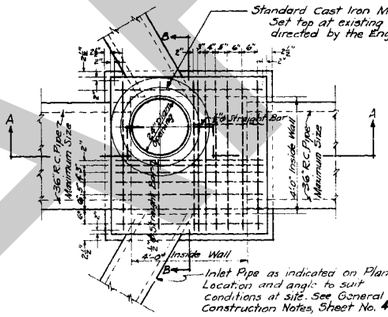
NOTE :- Cover must fit the frame in any position and shall not rock. See Specifications.



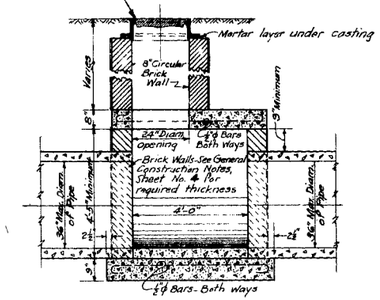
SECTION

STANDARD CAST IRON MANHOLE FRAME AND COVER

Scale:- 1½" = 1'-0"

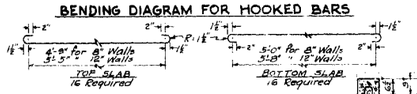


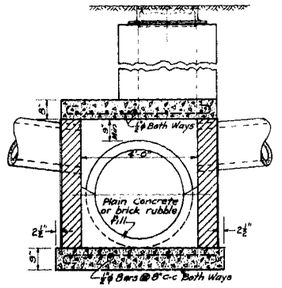
PLAN



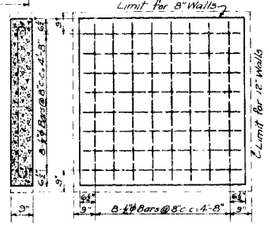
SECTION A-A

BENDING DIAGRAM FOR HOOKED BARS





SECTION B-B



PLAN OF BOTTOM SLAB

TYPE "BX-1" MANHOLE

Scale:- 1½" = 1'-0"

For General Construction Notes, See Sheet No. 4

PUBLIC WORKS DEPARTMENT
TAMPA, FLA

PROJECT S-7-54 PROJ. NO. 16
Relief Storm Sewer
Swann Ave. & Parkland Blvd.

SURVEY BY _____ BOOK NO. _____
DRAWN BY _____ CHECKED BY _____
SCALE As Shown DATE April 12, 1954
APPROVED _____ DATE April 19, 1954

30
17

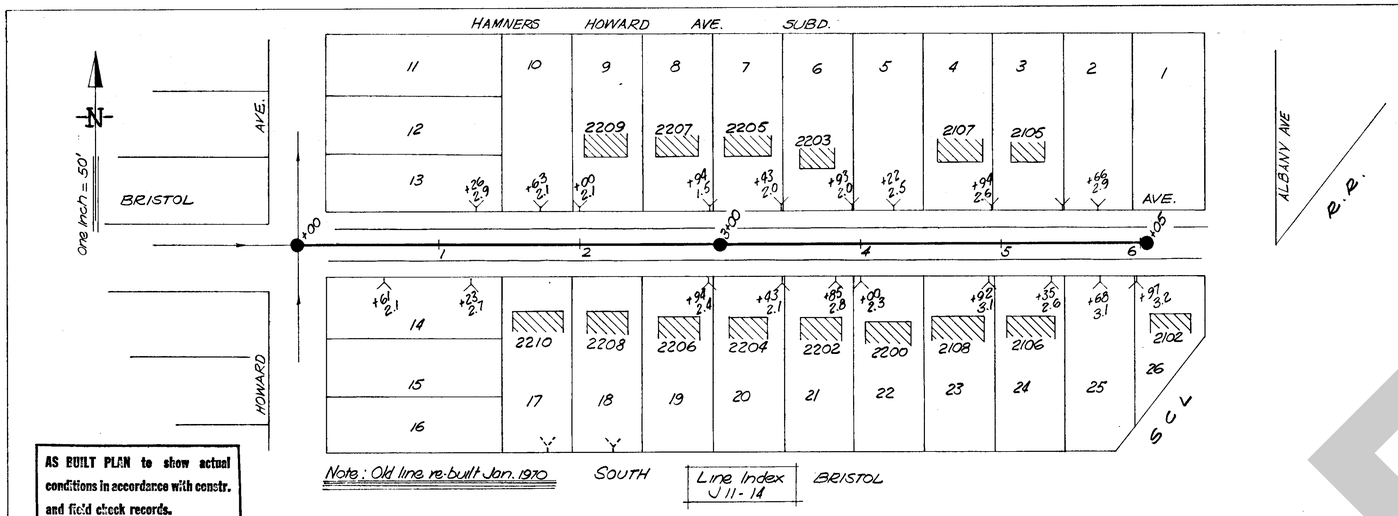
Roy R. Van Landingham

File No. C-3-41 Sheet 6 of 6 Sheets

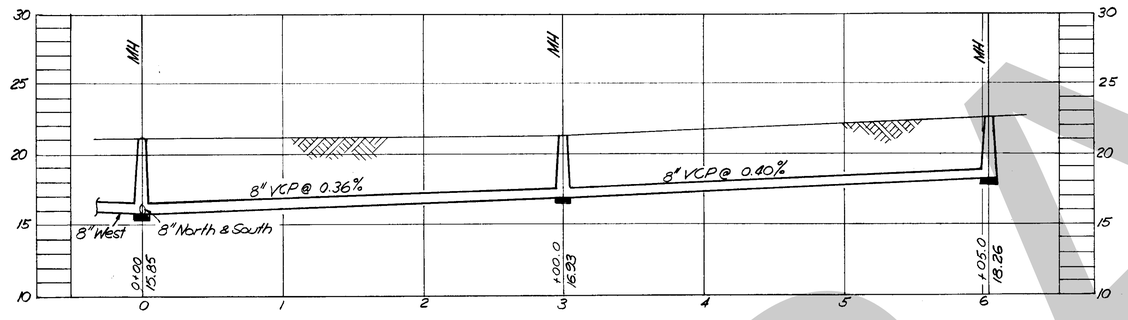
DRAFT

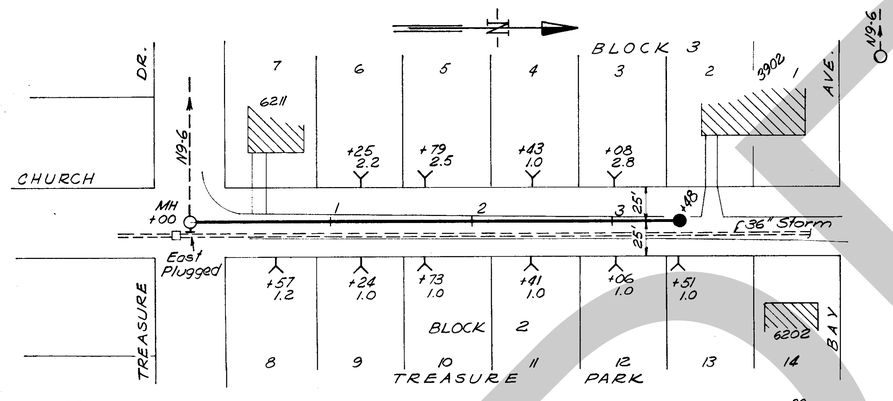
Q.2 City of Tampa Sewer Improvements

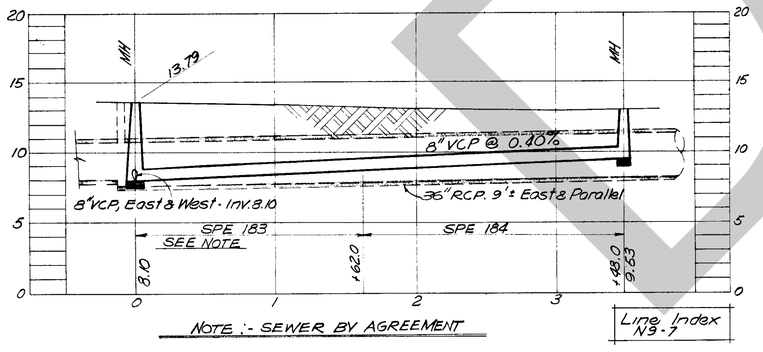
DRAFT



AS BUILT PLAN to show actual conditions in accordance with constr. and field check records.

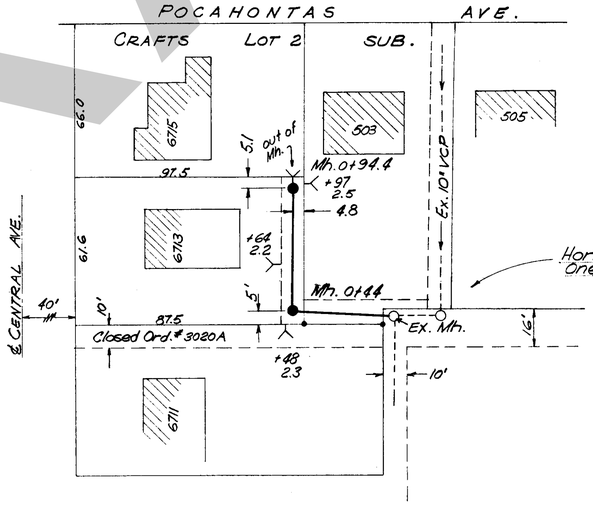


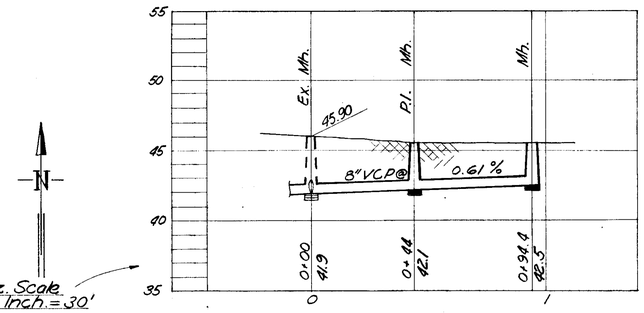




NOTE:- SEWER BY AGREEMENT

Line Index N9-7





N

Horiz. Scale One Inch = 30'

Line E12-42
SPE # 181-WO # 2166

AS BUILT PLAN to show actual conditions in accordance with constr. and field check records.

SEWER LINE LOCATION	
SEC. MAP No.	LINE No.
J11	14
N9	7

SEWER LINE LOCATION	
SEC. MAP No.	LINE No.
E12	42

CITY OF TAMPA, FLORIDA
RENEWAL & REPLACEMENT
SEWER IMPROVEMENTS

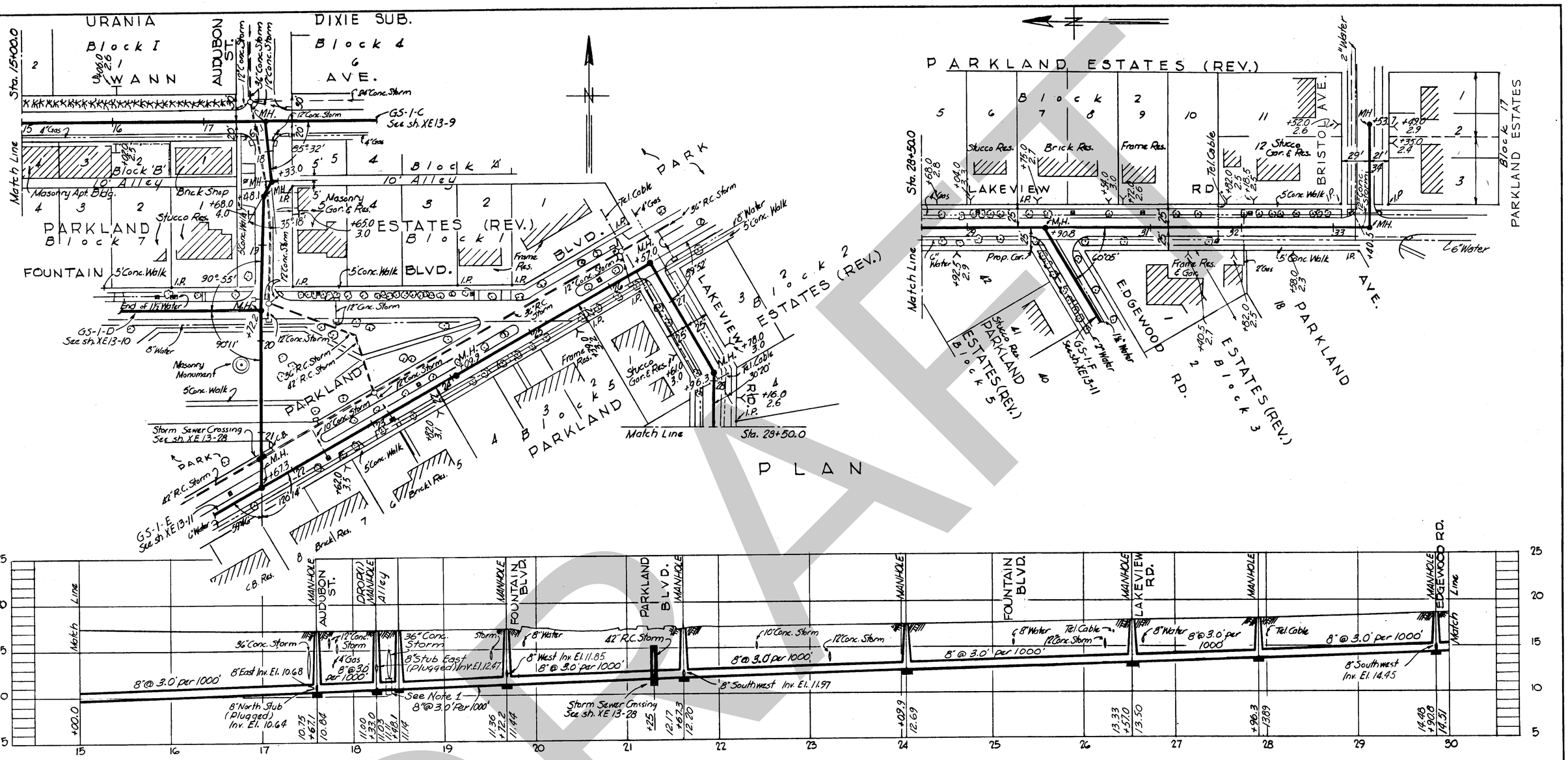
J11-14 BRISTOL AVE. — HOWARD to ALBANY (W.O.2184)

N9-7 CHURCH ST. — TREASURE DR. TO BAY AVE.

E12-42
EASEMENT: EAST OF CENTRAL AVE. & SOUTH OF POCHONTAS AVE. (SPE. 181) W.O.2166

23-27

DRAFT



PLAN

MANHOLE
AUDUBON ST.
DROP MANHOLE
Alley
FOUNTAIN BLVD.
PARKLAND BLVD.
LAKEVIEW RD.
EDGEWOOD RD.
Match Line
36" Conc. Storm
12" Conc. Storm
4" Gas
8" @ 3.0' per 1000'
8" East Inv. El. 10.68
8" North Stub (Plugged) Inv. El. 10.64
8" Stub East (Plugged) Inv. El. 12.47
8" West Inv. El. 11.85
See Note 1
8" @ 3.0' Per 1000'
42" R.C. Storm
Storm Sewer Crossing See sh. XE 13-28
10" Conc. Storm
8" Water
Tel. Cable
8" @ 3.0' per 1000'
8" Southwest Inv. El. 11.97
8" Southwest Inv. El. 14.95
+00.0
+25
+50
+75
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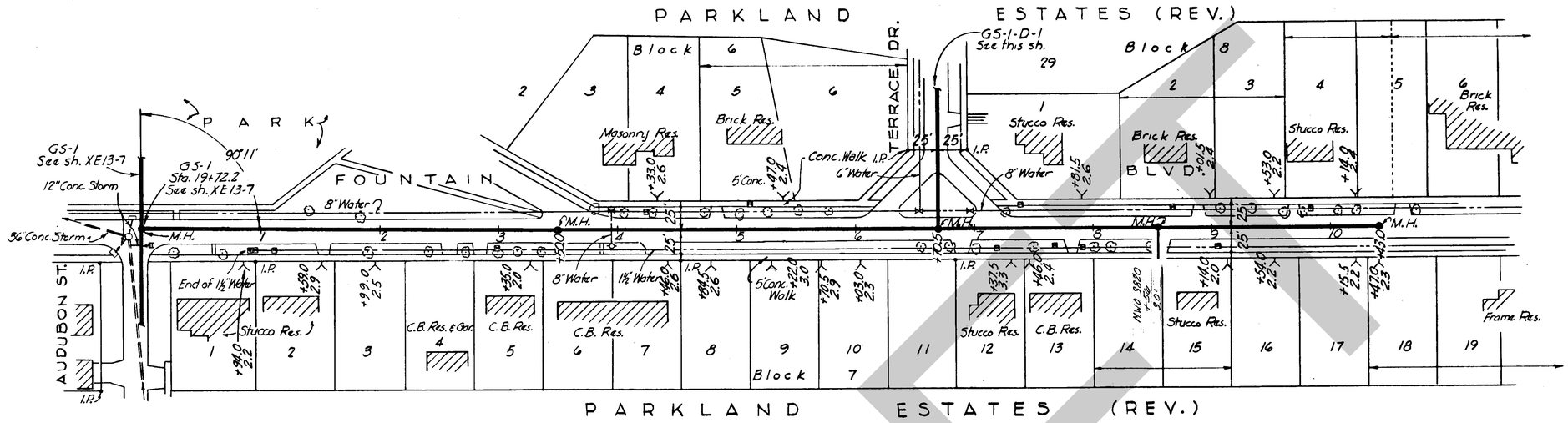
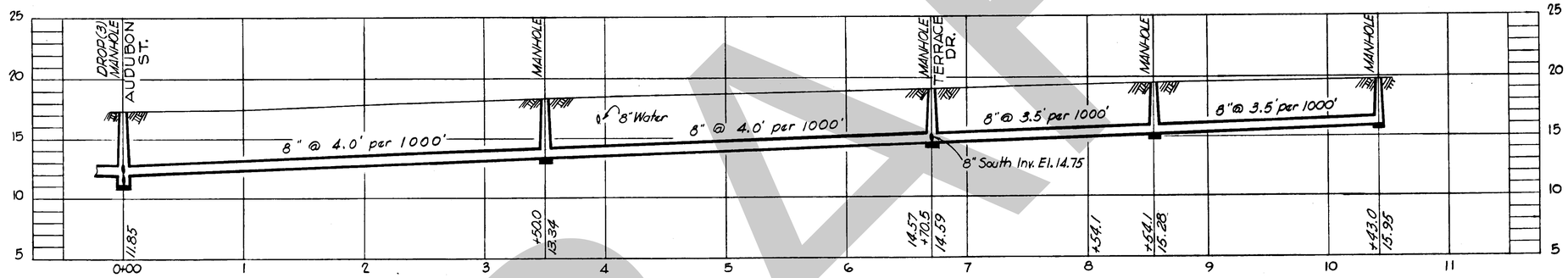
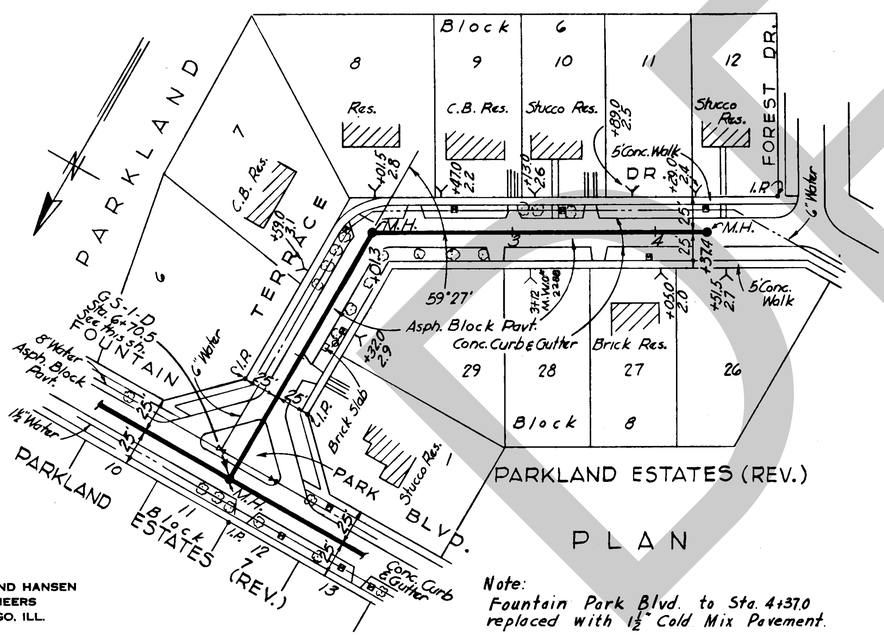
+75
+00
+25
+50
+75
+00



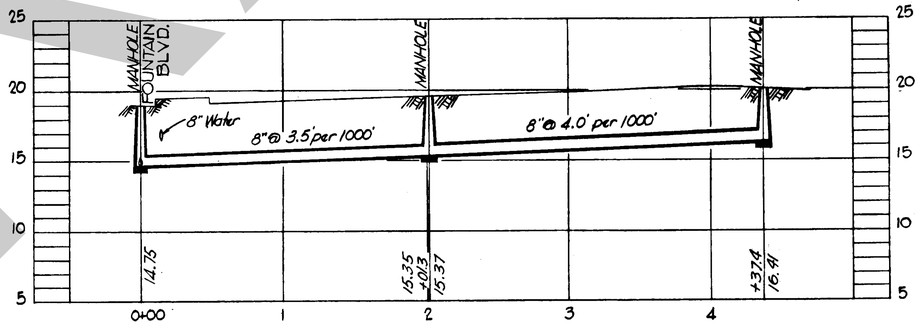
NOTE:

1. Asph. Block Pavt., Conc Curb & Gutter on Fountain Blvd. West to MacDill Ave.
2. ----- Property lines as indicated by Hillsborough County Tax Records.
3. Audubon to Sta. 10+42.0 replaced with 1½" Cold Mix Pavement.





Note:
Fountain Park Blvd. to Sta. 4+37.0 replaced with 1½" Cold Mix Pavement.



AS-BUILT PLAN
Revised to show actual conditions according to construction records as of (R.V.J. 5-4-56)

GREELEY AND HANSEN
ENGINEERS
CHICAGO, ILL.

CITY OF TAMPA, FLORIDA
SEWER IMPROVEMENTS

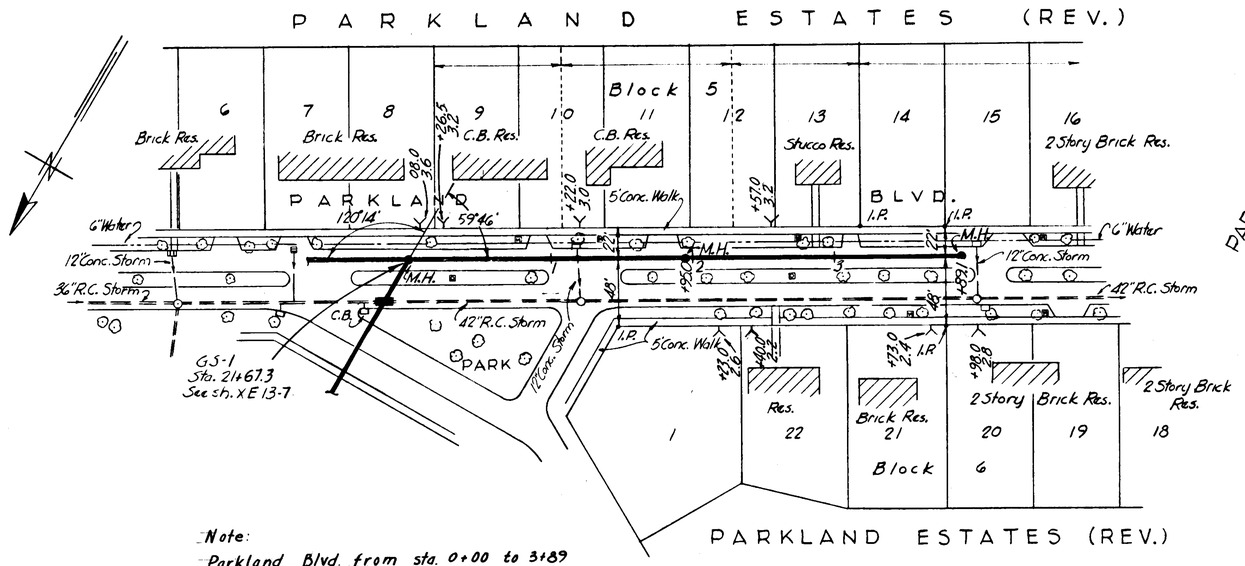
DIVISION XE13

GS-1-D & GS-1-D-1

DES. C.M.T.	SCALE	SHEET
DR. C.M.T.	50 0 50 100 1"=50'	XE13-10
CKD. E.E.S.		OF 30
DATE: NOV. 1954		

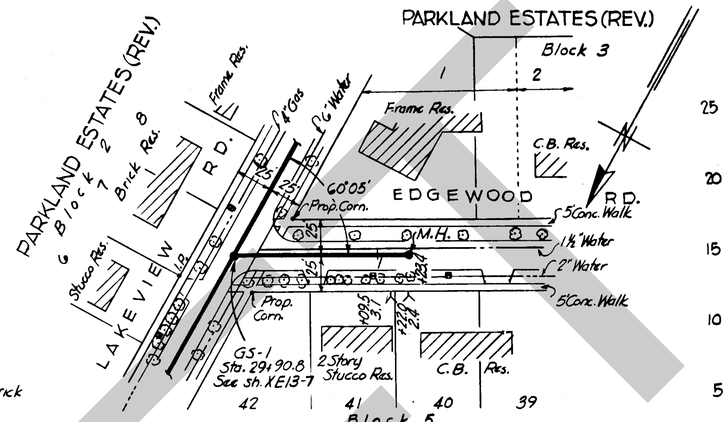
62-10

DRAFT



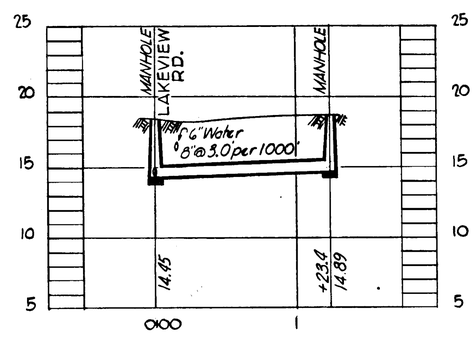
Note:
Parkland Blvd. from sta. 0+00 to 3+89 replaced with 1½" Cold Mix Pavement.

PLAN

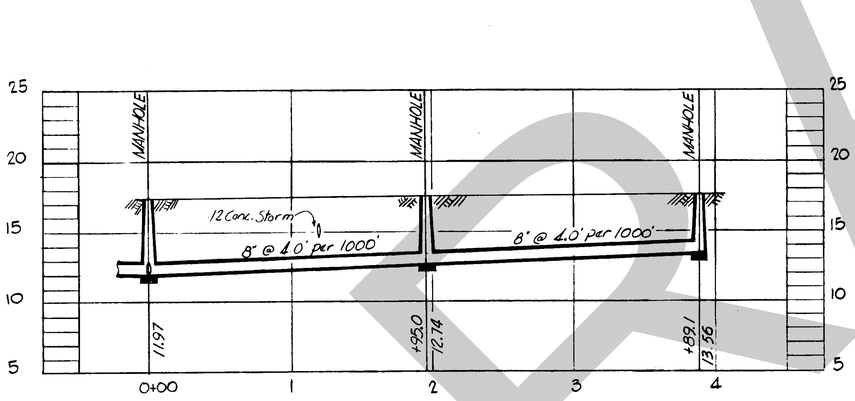


PLAN

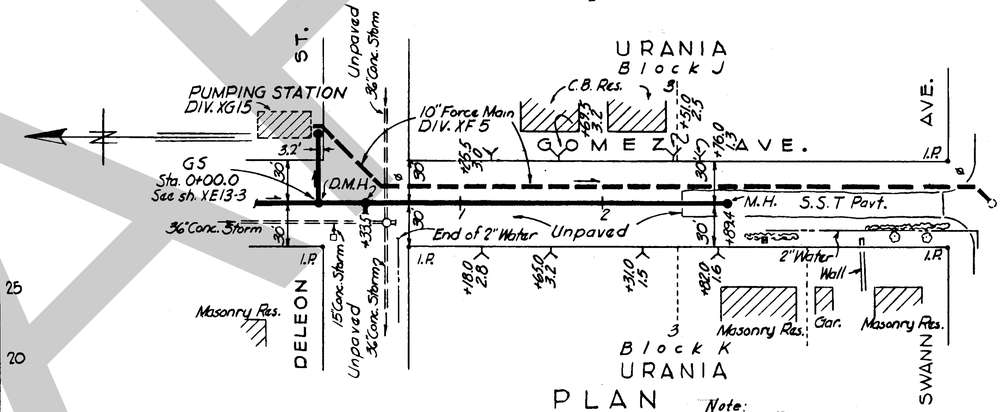
Note:
Lakeview to Sta. 1+23.5 replaced with 1½" Cold Mix Pavement.



PROFILE
GS-1-F

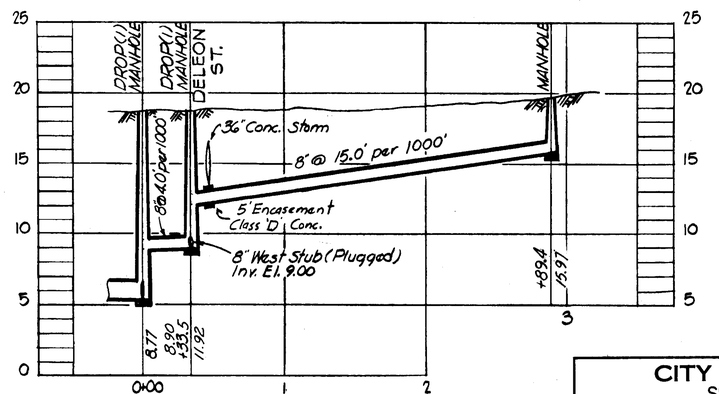


PROFILE
GS-1-E



PLAN

Note:
Gomez Ave- Deleon to Sta. 2+89.4 replaced with Shell Pavement.



PROFILE
GS-13

NOTE:
1. All streets, excepting Deleon & Gomez, asphalt block pavt. with conc. curb & gutter.
2. ----- Property lines as indicated by Hillsborough County Tax Records.

AS-BUILT PLAN
Revised to show actual conditions according to construction records as of (R.V. J 5-4.56)

GREELEY AND HANSEN
ENGINEERS
CHICAGO, ILL.

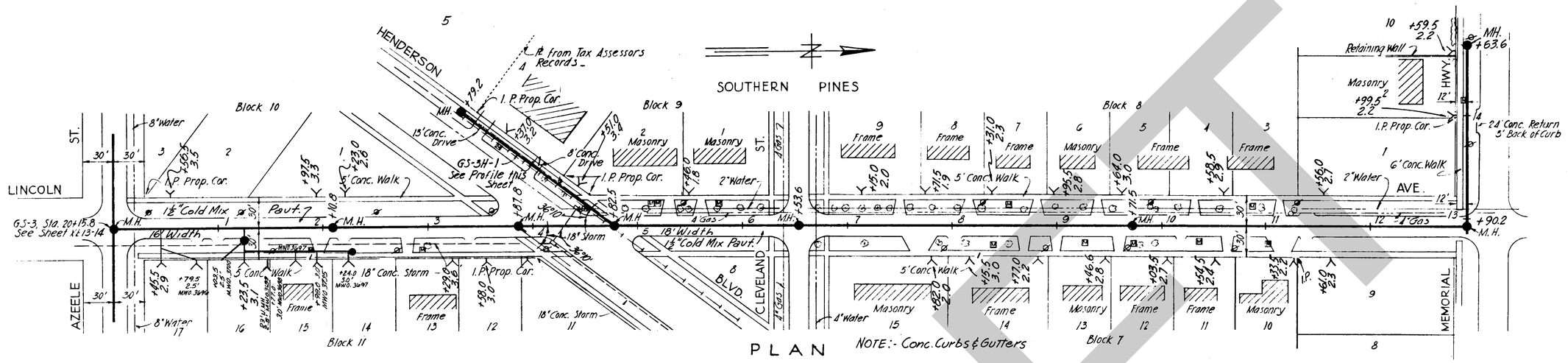
CITY OF TAMPA, FLORIDA
SEWER IMPROVEMENTS
DIVISION XE13

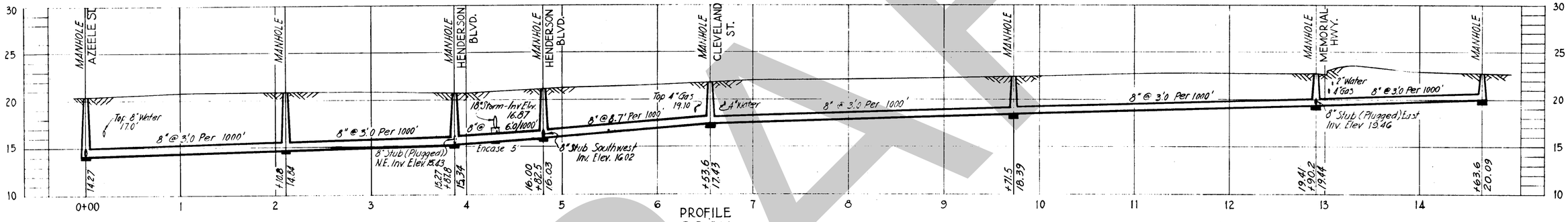
GS-1-E, GS-1-F & GS-13

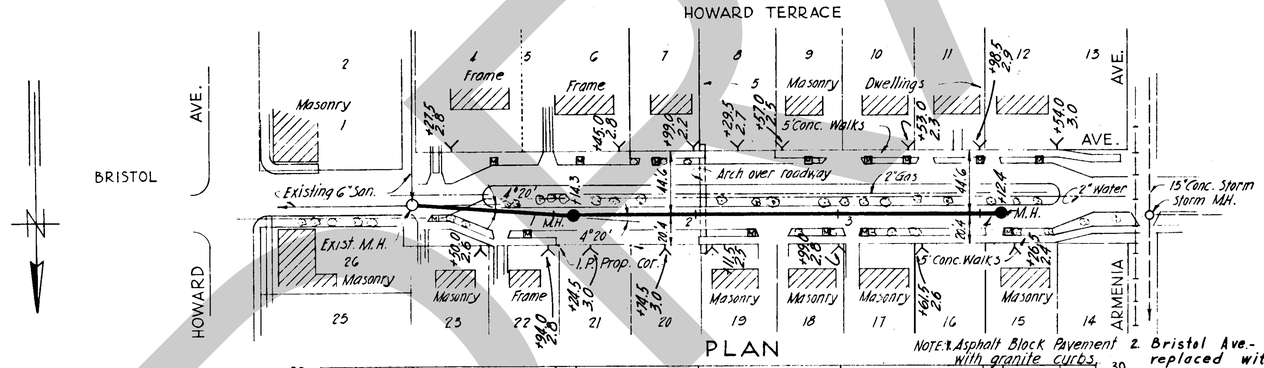
DES. C.M.T.-E.E.S DR. C.M.T. CKD. E.E.S DATE: DEC. 1954	SCALE 50 0 50 100 1" = 50'	SHEET XE13-11 OF 30

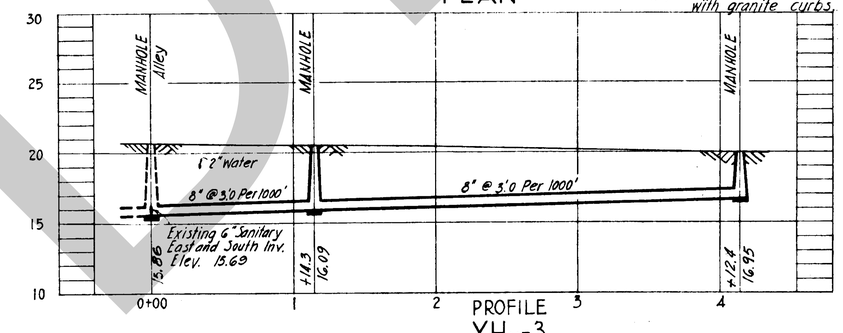
62-11

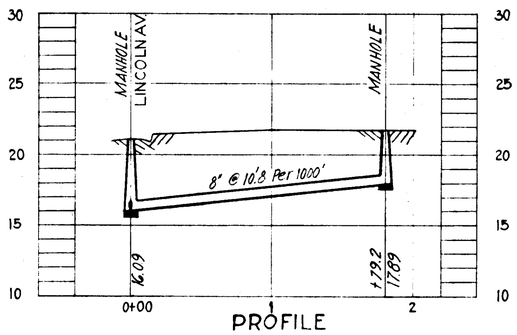
DRAFT











AS-BUILT PLAN
Revised to show actual conditions according to construction record as of (R.W.J. 5-16-56)

GREELEY AND HANSEN
ENGINEERS
CHICAGO, ILL.

CITY OF TAMPA, FLORIDA
SEWER IMPROVEMENTS
DIVISION XE13

GS-3H, GS-3H-1 & XHx3

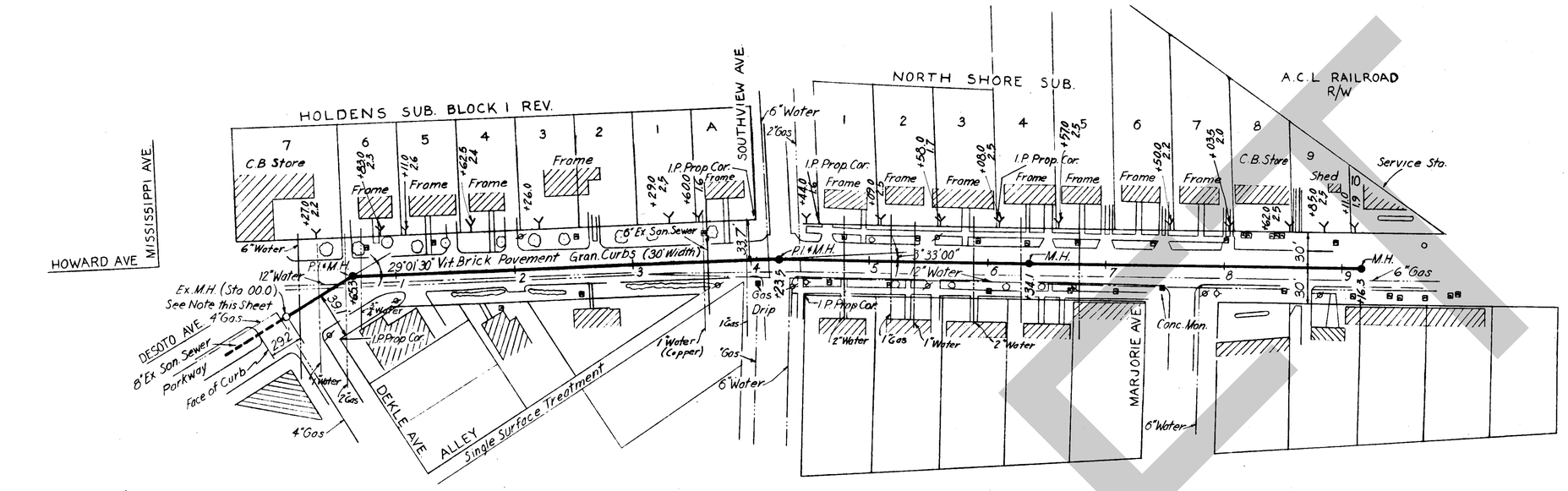
DES. C.M.T. & E.C.A.
DR. E.C.A.
CKD. E.E.S
DATE: NOV. 1954

SCALE 50 0 50 100 1" = 50'

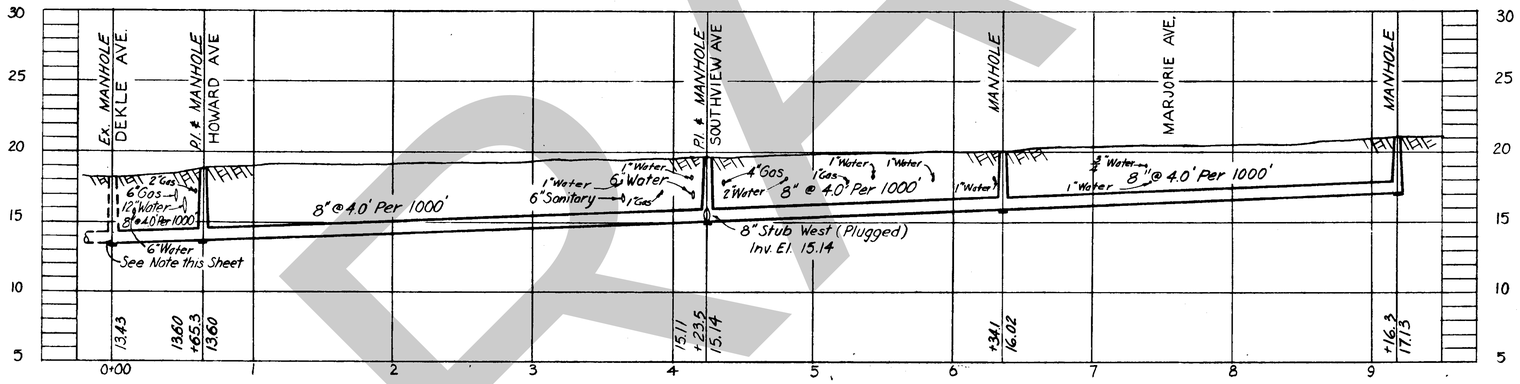
SHEET XE13-20 OF 30

62-20

DRAFT



PLAN



PROFILE
XH x 4

NOTE:
Ex. M.H. broken where required and new flow channel Northwest formed.
Property on Eastside of Howard Ave. is served by sewers in alleys east of Howard Ave.

DRAFT

GREELEY AND HANSEN
ENGINEERS
CHICAGO, ILL.

- AS-BUILT PLAN -
Revised to show actual conditions according to construction record as of
(A.F.L. 3-28-56)

CITY OF TAMPA, FLORIDA
SEWER IMPROVEMENTS
DIVISION XE12

XH x 4

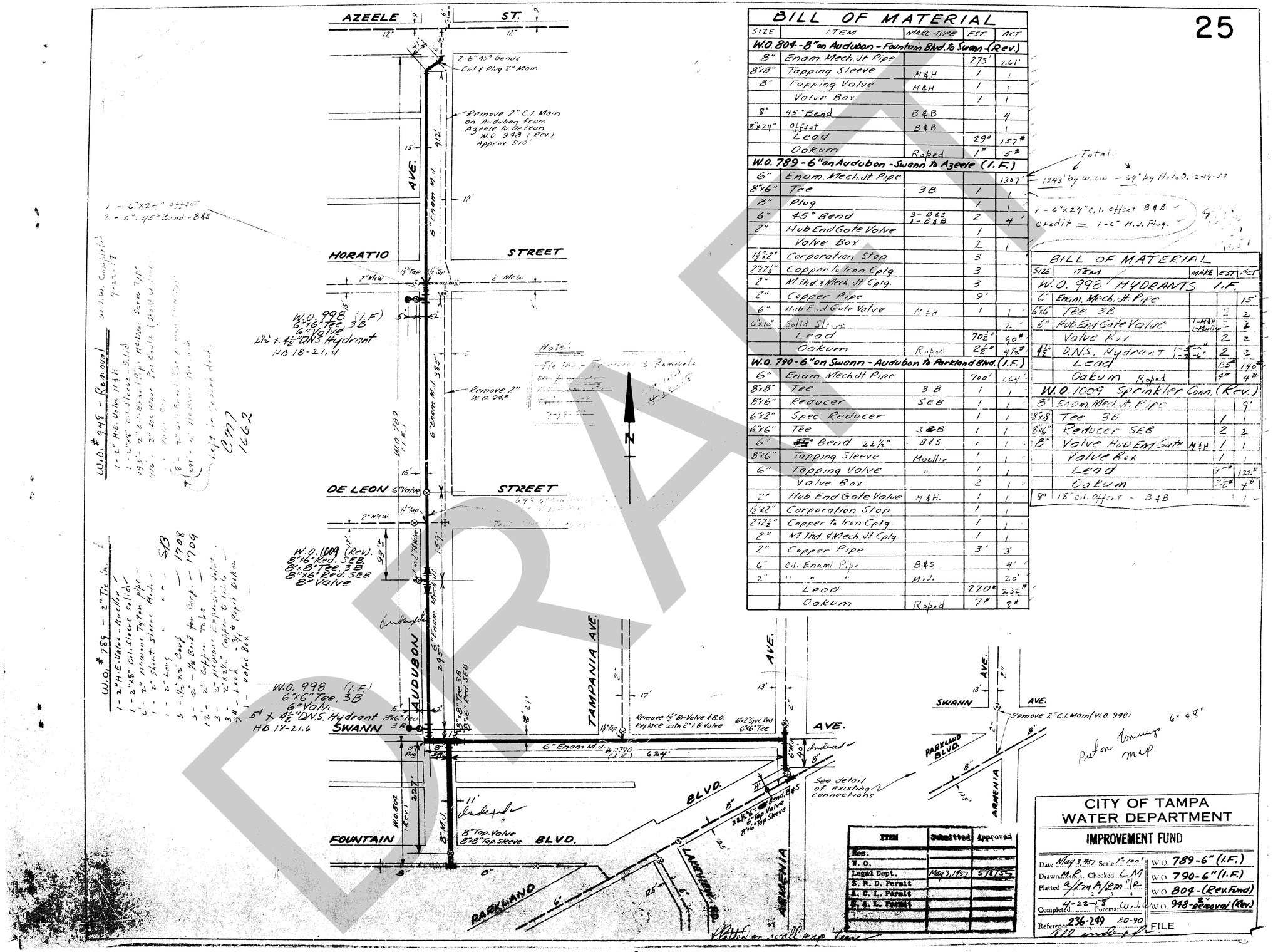
DES. M.R.
DR. M.R.
CKD. R.E.F.
DATE:
OCT. 1954

SCALE
50 0 50 100 1" = 50'

SHEET
XE12-43
OF 45

Q.3 City of Tampa Water Department Improvements (Audubon Ave)

DRAFT



W.O. # 948 - Removal
1 - 2" H.E. Valve B & B
1 - 2"x8" C.I. Sleeve S.I.D.
193' - 2" C.I. Enam. I.P.P. Mueller Screw Type
416' - 2" Std. Enam. Pipe Cast in Trench
1 - 2" Valve Box
8 - 2" C.I. Bend 22½° M.J.
1 - 2" C.I. Tee M.J.
1 - 2" C.I. 45° Bend M.J.
1 - 2" C.I. Plug M.J.
Light in Sprung Arch.
CM1 1662

W.O. # 789 - 2" Tie in.
1 - 2" H.E. Valve - Mueller
1 - 2"x8" C.I. Sleeve S.I.D.
2' - 2" Brown Type Mueller
1 - 2" Short Sleeve M.J.
" " 2" Long
3 - ½"x2" Corp. for Corp
3 - 2" - ⅛ Brass Tube
12' - 2" Copper Tube
3 - 2" Mueller Expansion Joint
3 - ½"x2½" Copper C.I.P.
3/4 - Lead
1 - Valve Box
SB
1708
1709

1 - 6"x24" Offset
2 - 6" 45° Bend - B&S

W.O. #789 (I.F.) 6"x6"x2" Tee 3B 6" Valve 2½" x 4½" D.N.S. Hydrant HB 18-21.4

W.O. #790 (I.F.) 6" Enam. M.J. 385'

W.O. #804 (Rev.) 8" Enam. M.J. 292'

W.O. #790 (I.F.) 6" Enam. M.J. 624'

W.O. #804 (Rev.) 8" Enam. M.J. 229'

W.O. #790 (I.F.) 8" M.J. 227'

W.O. #804 (Rev.) 8" M.J. 11' Undet.

6" Enam. M.J. 64½'

6" Enam. M.J. 15½'

6" Enam. M.J. 40' Undet.

6" Enam. M.J. 10'

6" Enam. M.J. 125'

BILL OF MATERIAL

SIZE	ITEM	MAKE-TYPE	EST.	ACT.
W.O. 804 - 8" on Audubon - Fountain Blvd. to Swann - (Rev.)				
8"	Enam. Mech. Jt Pipe		275'	261'
8"x8"	Tapping Sleeve	M&H	1	1
8"	Tapping Valve	M&H	1	1
	Valve Box		1	1
8"	45° Bend	B&B		4
8"x24"	Offset	B&B		1
	Lead		29#	157#
	Oakum	Roped	1"	5#
W.O. 789 - 6" on Audubon - Swann to Azeele (I.F.)				
6"	Enam. Mech. Jt Pipe			1307'
8"x6"	Tee	3B	1	1
8"	Plug		1	1
6"	45° Bend	3 - B&S 1 - B&B	2	4
2"	Hub End Gate Valve		1	
	Valve Box		2	1
1½"x2"	Corporation Stop		3	
2"x2½"	Copper to Iron Cplg		3	
2"	M. Thd & Mech. Jt Cplg.		3	
2"	Copper Pipe		9'	
6"	Hub End Gate Valve	M&H	1	1
6"x10"	Solid Sl.			2
	Lead		70½#	90#
	Oakum	Roped	2½#	4½#
W.O. 790 - 6" on Swann - Audubon to Parkland Blvd. (I.F.)				
6"	Enam. Mech. Jt Pipe		700'	664'
8"x8"	Tee	3B	1	1
8"x6"	Reducer	SEB	1	1
6"x2"	Spec. Reducer		1	1
6"x6"	Tee	3B	1	1
6"	45° Bend 22½°	B&S	1	1
8"x6"	Tapping Sleeve	Mueller	1	1
6"	Tapping Valve	"	1	1
	Valve Box		2	1
2"	Hub End Gate Valve	M&H	1	1
1½"x2"	Corporation Stop		1	1
2"x2½"	Copper to Iron Cplg		1	1
2"	M. Thd. & Mech. Jt Cplg		1	1
2"	Copper Pipe		3'	3'
6"	C.I. Enami. Pipe	B&S		4'
2"	" " "	M.J.		20'
	Lead		220#	232#
	Oakum	Roped	7#	3#

Total:
1243' by W.J.W. — 64' by H.J.O. 2-19-57
1 - 6"x24" C.I. offset B&B
credit = 1 - 6" M.J. Plug.

BILL OF MATERIAL

SIZE	ITEM	MAKE	EST.	ACT.
W.O. 998 HYDRANTS I.F.				
6"	Enam. Mech. Jt. Pipe			15'
6"x6"	Tee 3B		2	2
6"	Hub End Gate Valve	1-M&H 1-Mueller	2	2
	Valve Box		2	2
4½"	D.N.S. Hydrant 1-5'-6" 1-7'-6"		2	2
	Lead		115#	140#
	Oakum Roped		4"	4#
W.O. 1009 Sprinkler Conn. (Rev.)				
8"	Enam. Mech. Jt. Pipe			9'
8"x8"	Tee 3B		1	1
8"x6"	Reducer SEB		2	2
8"	Valve Hub End Gate	M&H	1	1
	Valve Box		1	1
	Lead		7#	122#
	Oakum		1"	4#
8"	18" C.I. Offset - B&B			1

ITEM	Submitted	Approved
Res.		
W. O.		
Legal Dept.	May 3, 1957	5/16/57
S. R. D. Permit		
A. C. L. Permit		
F. A. L. Permit		

CITY OF TAMPA
WATER DEPARTMENT
IMPROVEMENT FUND

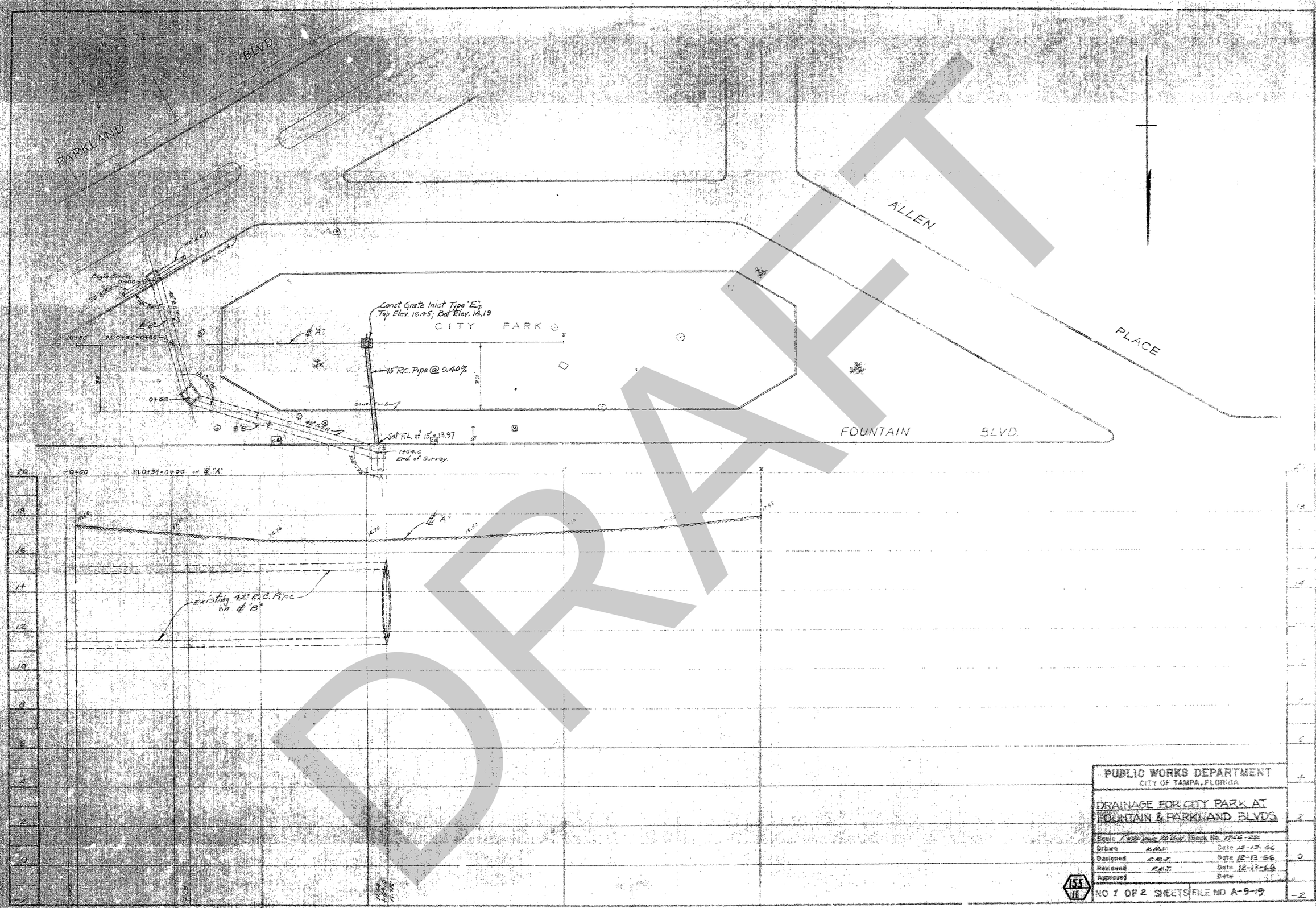
Date May 3, 1957 Scale 1" = 100'
Drawn M.P. Checked
Platted 1 2 3 4
Completed 4-22-58 Foreman
Reference 236-249 20-90
All underground

W.O. 789-6" (I.F.)
W.O. 790-6" (I.F.)
W.O. 804-8" (Rev. Fund)
W.O. 948-2" Removal (Rev.)
FILE

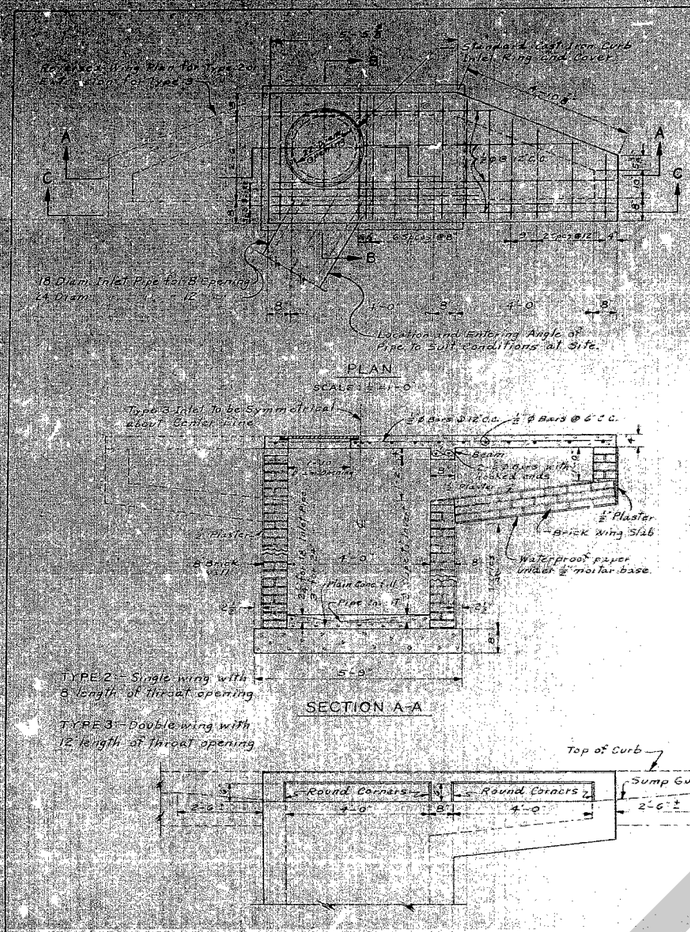
DRAFT

Q.4 Drainage for City Park at Fountain and Parkland Blvds

DRAFT


PARKLAND BLVD.
ALLEN PLACE
FOUNTAIN BLVD.
CITY PARK
Begin Survey 0+00
Const. Grate Inlet Type "E"
Top Elev. 16.45; Bot. Elev. 14.19
15" R.C. Pipe @ 0.40%
Set F.L. at 15" = 13.97
1+64.6
End of Survey.
Existing 42" R.C. Pipe on ℄ "B"
PUBLIC WORKS DEPARTMENT
CITY OF TAMPA, FLORIDA
DRAINAGE FOR CITY PARK AT FOUNTAIN & PARKLAND BLVDS.
Scale
Book No. 1966-22
Drawn
Date 12-13-66
Designed
Date 12-13-66
Reviewed
Date 12-13-66
Approved
Date
NO 1 OF 2 SHEETS
FILE NO A-9-19

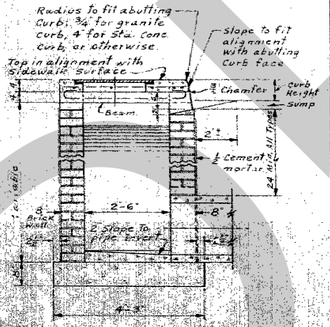
DRAFT



BAR SCHEDULE FOR TOP SLAB			
NO.	SIZE	LOCATION	LENGTH
B	3/4" ø	TRANSVERSE BARS - STRAIGHT	3'-6"
C	"	" " "	3'-4"
D	"	" " "	3'-0"
E	"	" " "	2'-9"
F	"	" " "	2'-5"
H	"	" " "	2'-0"
G	"		4 1/2 Total
3	5/8 ø	W/HOOKED ENDS	5'-2"
2	3/8 ø	LONGITUDINAL BARS STAT	2'-3"
2	"	" " "	5'-2"

* Type 2 only - Reinforcement for additional wing of Type 3 to be same as shown for span for Type 2

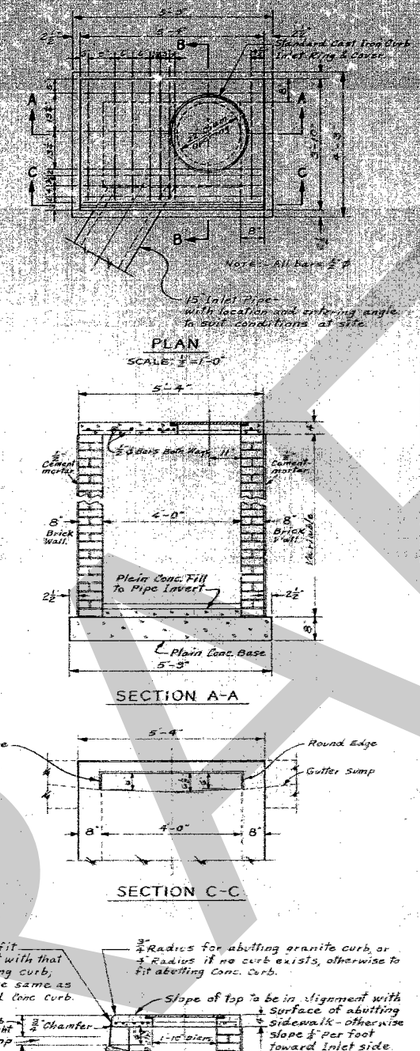
SECTION C-C



SECTION B-B

STANDARD STORM WATER CURB INLET-TYPES 2&3

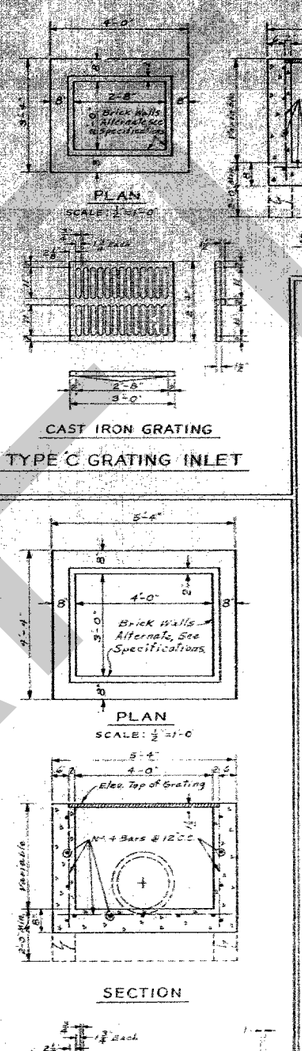
For General Construction Notes See Sheet No.____



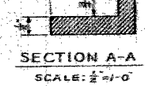
BAR SCHEDULE FOR TOP SLAB			
NO.	SIZE	LOCATION	LENGTH
B	1/2" ø	TRANSVERSE BARS	3'-6"
C	"	LONGITUDINAL BARS	5'-1"
A	"	" "	2'-8"

STANDARD STORM WATER CURB INLET-TYPE 1

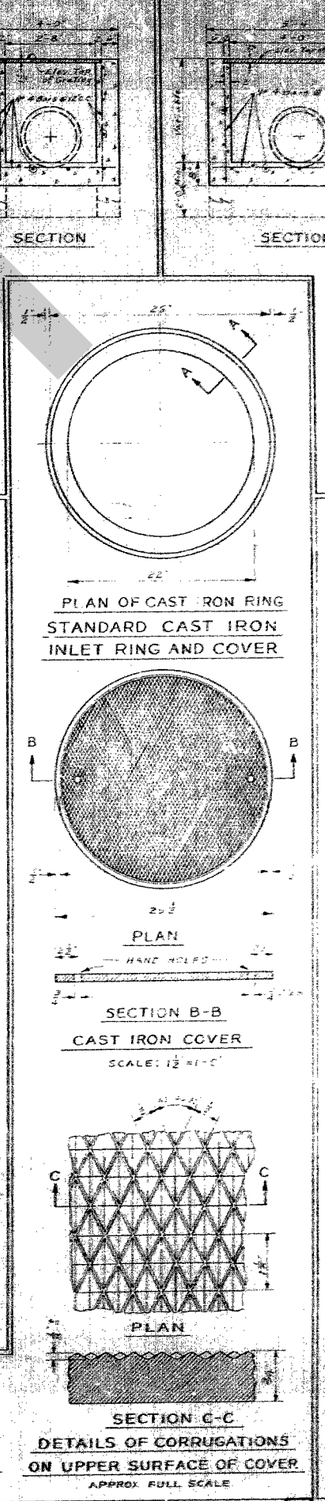
For General Construction Notes See Sheet No.____

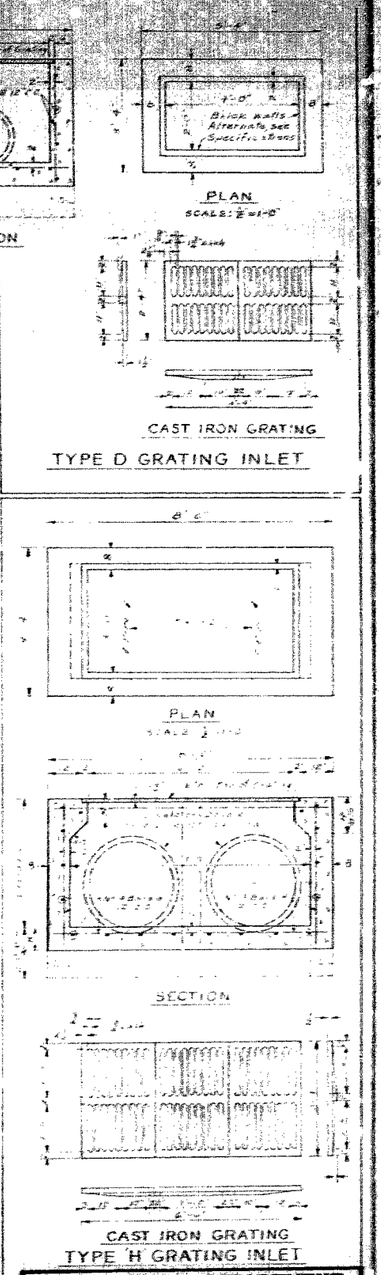


NOTE
COVER MUST FIT FRAME IN ANY POSITION AND SHALL NOT ROCK
See Specifications



SECTION A-A
SCALE: 1/2"=1'-0"





PUBLIC WORKS DEPARTMENT
CITY OF TAMPA, FLORIDA

DRAINAGE FOR CITY PARK AT FOUNTAIN & PARKLAND BLVDS.

Scale: As Noted	Book No.
Drawn: R.M.J.	Date: 8-17-66
Designed: R.M.J.	Date: 12-15-66
Reviewed	Date
Approved	Date

155
11

NO 2 OF 2 SHEETS | FILE NO. A-3-15

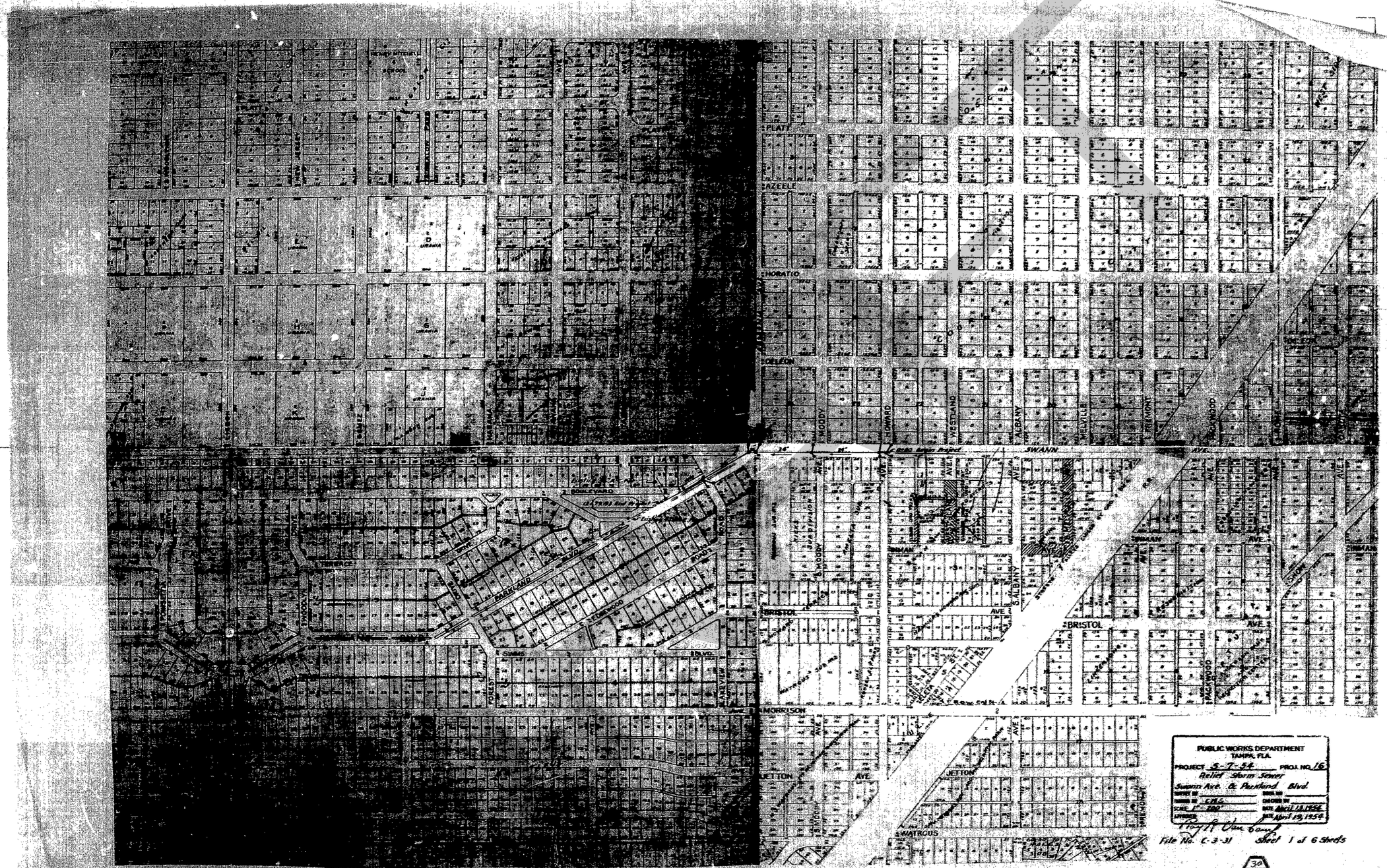
DRAFT

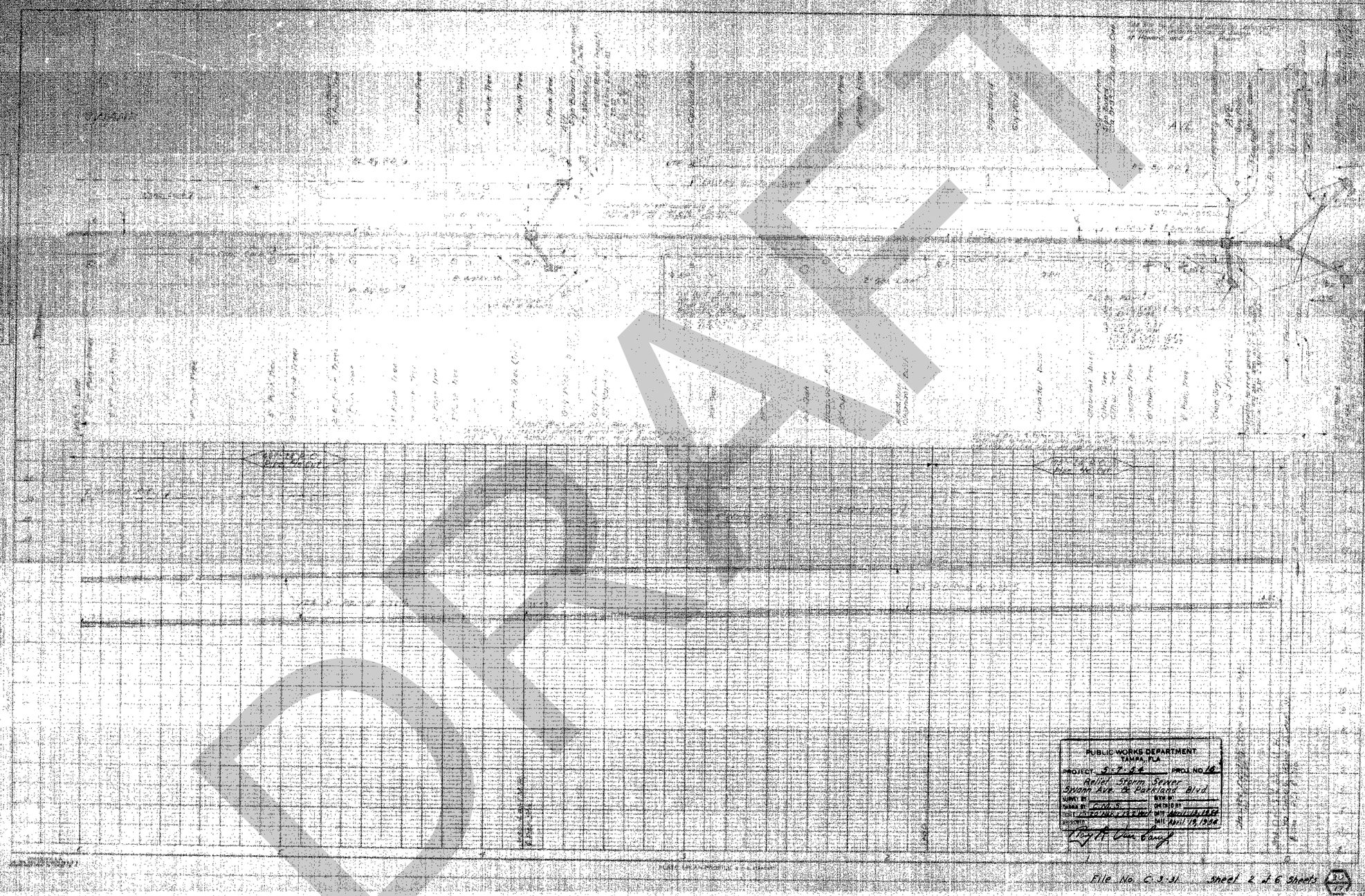
RELIEF STORM SEWER
SWANN AVE. AND PARKLAND BOULEVARD

PUBLIC WORKS DEPARTMENT
CITY OF TAMPA FLORIDA
SCHEDULE S-7-54 PROJECT NO. 16.

File No. C-3-31

DRAFT


PLATT
AZEELE
HORATIO
DELEON
MOODY
HOWARD
WESTLAND
ALBANY
MELVILLE
FREMONT
PACKWOOD
SWANN
AVE.
BOULEVARD
PARKLAND
BRISTOL
MORRISON
JETTON
WATROUS
FOREST
LAKEVIEW
SWIMS
BLVD.
PUBLIC WORKS DEPARTMENT
TAMPA, FLA.
PROJECT 5-7-54
PROJ. NO. 16
Relief Storm Sewer
Swann Ave. & Parkland Blvd.
SCALE 1" = 200'
DATE April 13, 1954
DATE April 19, 1954
File No. C-3-31
Sheet 1 of 6 Sheets
30
17


PUBLIC WORKS DEPARTMENT
TAMPA, FLA.
PROJECT 5-7-54
PROJ. NO. 16
Relief Storm Sewer
Swann Ave. & Parkland Blvd.
SURVEY BY
DRAWN BY C.M.S.
CHECKED BY
DATE April 19, 1954
APPROVED
DATE April 19, 1954
File No. C 3-31
Sheet 2 of 6 Sheets

DRAFT

PARKLAND BLVD.

SWANN AVE.

ARMENIA AVE.

LAKEVIEW

Std. Inlet & Pipe E Sta. 9+16
Top El. 17.95
Throat El. 17.24
Bottom El. 13.91
15" R.C. Inlet Pipe
Inv. El @ Inlet 13.91
Inv. El @ M.H. 13.66

Concrete Collar Sta. 9+30
For details see Sheet No. 6

Std. Inlet & Pipe E Sta. 9+24
Top El. 17.99
Throat El. 17.36
Bottom El. 13.93
15" R.C. Inlet Pipe
Inv. El @ Inlet 13.93
Inv. El @ M.H. 13.76
(On 8" gas line)

Std. Inlet & Pipe E Sta. 9+40
Top El. 18.37
Throat El. 17.50
Bottom El. 14.05
15" R.C. Inlet Pipe
Inv. El @ Inlet 14.07
Inv. El @ M.H. 13.91

Existing 8" Storm Sewer

Existing 8" Sewer Main

Existing 8" Water Main

Existing 8" Gas Line

Existing Overhead Wires

Existing Fence

Existing Trees

Existing Shrubs

Existing Bushes

Existing Grass

Existing Ground

Existing Pavement

Existing Curb

Existing Sidewalk

Existing Driveway

Existing Manhole

Existing Inlet

Existing Light Pole

Existing Power Pole

Existing Telephone Pole

Existing Guy Wire

Existing Fire Hydrant

Existing Water Valve

Existing Gas Valve

Existing Meter

Existing Mailbox

Existing Sign

Existing Bench

Existing Trash Can

Existing Flower Bed

Existing Rock

Existing Boulder

Existing Stump

Existing Log

Existing Brush

Existing Weeds

Existing Vines

Existing Ivy

Existing Moss

Existing Lichen

Existing Mushrooms

Existing Toadstools

Existing Birds

Existing Squirrels

Existing Rabbits

Existing Deer

Existing Bear

Existing Fox

Existing Coyote

Existing Wolf

Existing Cougar

Existing Bobcat

Existing Lynx

Existing Raccoon

Existing Skunk

Existing Opossum

Existing Armadillo

Existing Porcupine

Existing Beaver

Existing Otter

Existing Muskrat

Existing Mink

Existing Weasel

Existing Ferret

Existing Badger

Existing Wolverine

Existing Fisher

Existing Marten

Existing Pine Tree

Existing Oak Tree

Existing Maple Tree

Existing Elm Tree

Existing Ash Tree

Existing Birch Tree

Existing Willow Tree

Existing Poplar Tree

Existing Cottonwood Tree

Existing Aspen Tree

Existing Spruce Tree

Existing Fir Tree

Existing Hemlock Tree

Existing Cedar Tree

Existing Redwood Tree

Existing Sequoia Tree

Existing Palm Tree

Existing Cactus

Existing Yucca

Existing Agave

Existing Ocotillo

Existing Mesquite

Existing Creosote Bush

Existing Sagebrush

Existing Rabbitbrush

Existing Greasewood

Existing Saltbush

Existing Shadscale

Existing Winterfat

Existing Indian Ricegrass

Existing Galleta

Existing Blue Grama

Existing Buffalo Grass

Existing Western Wheatgrass

Existing Bluebunch Wheatgrass

Existing Needle-and-Thread

Existing Sand Dropseed

Existing Alkali Sacaton

Existing Inland Saltgrass

Existing Foxtail Barley

Existing Bottlebrush Squirreltail

Existing Cheatgrass

Existing Russian Thistle

Existing Kochia

Existing Halogeton

Existing Tumbleweed

Existing Prickly Lettuce

Existing Wild Lettuce

Existing Dandelion

Existing Salsify

Existing Goatsbeard

Existing Hawksbeard

Existing Sowthistle

Existing Groundsel

Existing Ragwort

Existing Senecio

Existing Arrowleaf Balsamroot

Existing Mule's Ears

Existing Wyethia

Existing Balsamroot

Existing Sunflower

Existing Gumweed

Existing Rubber Rabbitbrush

Existing Douglas Rabbitbrush

Existing Green Rabbitbrush

Existing Yellow Rabbitbrush

Existing Gray Rabbitbrush

Existing White Rabbitbrush

Existing Pink Rabbitbrush

Existing Purple Rabbitbrush

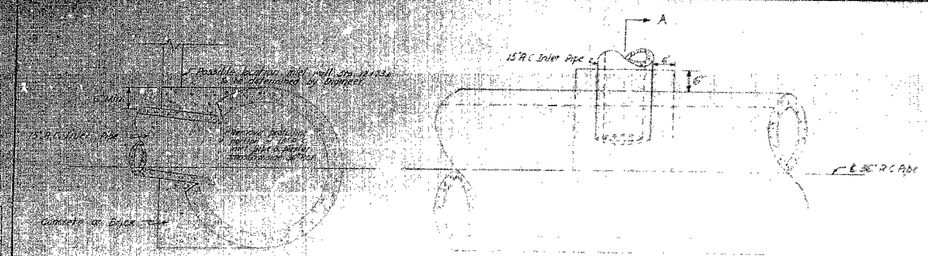
Existing Blue Rabbitbrush

Existing Orange Rabbitbrush

Existing Red Rabbitbrush

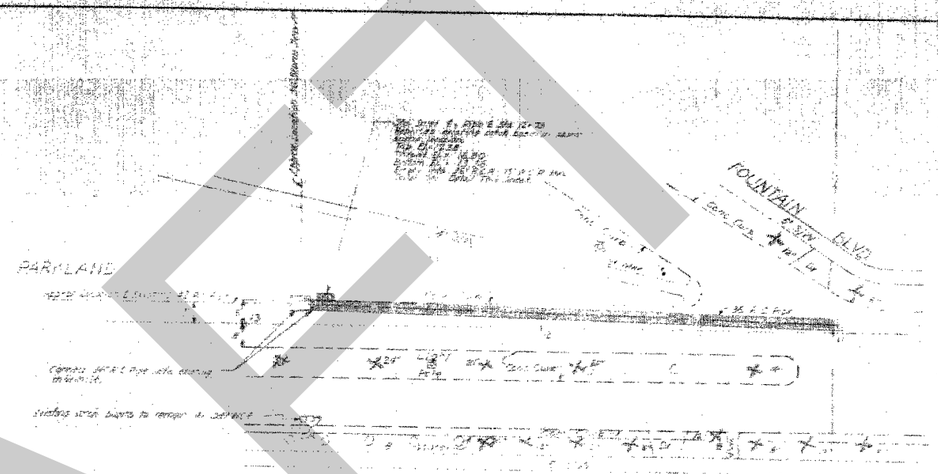
Existing Brown Rabbitbrush

Existing Black



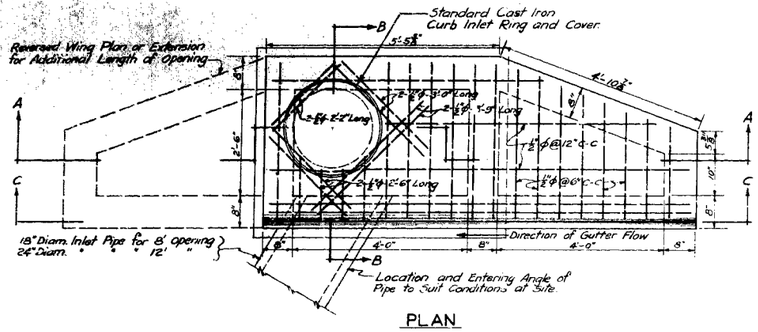
SECTION A-A

DETAIL OF COLLAR
Sta. 9+30 & Sta. 12 + 1.5
Scale 1/4"=1'-0"

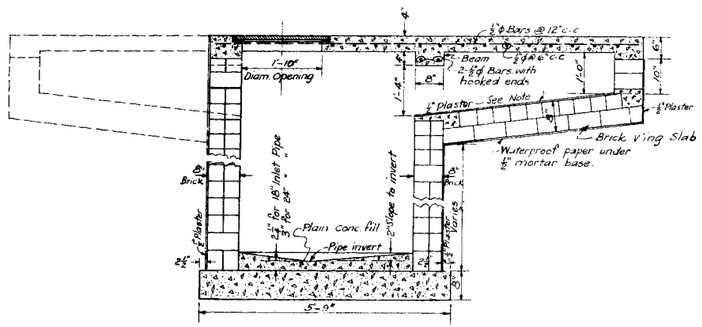


GENERAL CONSTRUCTION NOTES

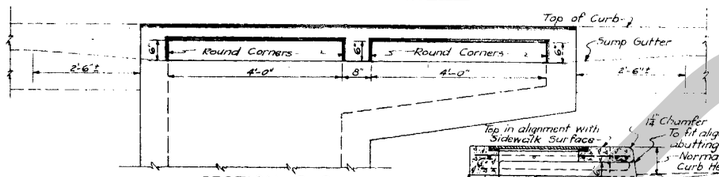
Manhole and inlet walls shall be built laid in Portland cement mortar and shall be plastered on the outside with 1:2 cm cement mortar to a minimum thickness before plastering shall be as follows: for depth of invert not more than 8 feet, 8" brick for 3 manhole fronts resting 8" on footing, for depth of invert



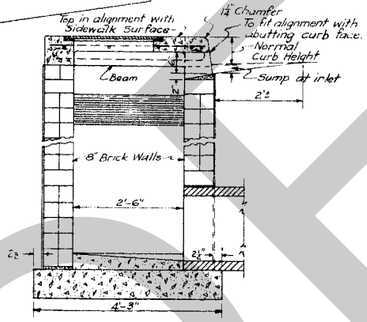
PLAN



SECTION A-A



SECTION C-C



SECTION B-B

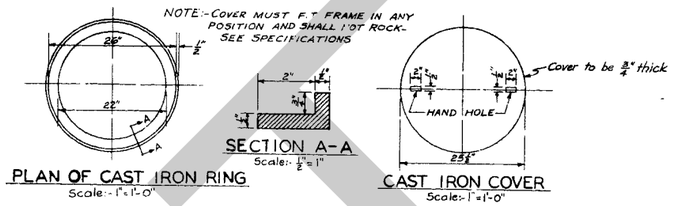
BAR SCHEDULE FOR TOP SLAB

NO.	SIZE	LOCATION	LENGTH
7	⅝"ϕ	Transverse Bars	3'-6"
1	"	Ditto	3'-4"
1	"	"	3'-2"
1	"	"	3'-0"
1	"	"	2'-10"
1	"	"	2'-8"
1	"	"	2'-6"
1	"	"	2'-4"
1	"	"	2'-2"
2	"	"	1'-0"
2	"	"	1'-4"
3	"	Longitudinal Bars	9'-10½"
1	"	Ditto	6'-3"
1	"	"	6'-9"
2	"	Diagonal Bars	3'-9"
2	"	Ditto	3'-0"
2	"	"	2'-6"
2	"	"	2'-2"

SPECIAL STORM WATER CURB INLET

Scale:- ½" = 1'-0"

For General Construction Notes, See Sheet No. 4.

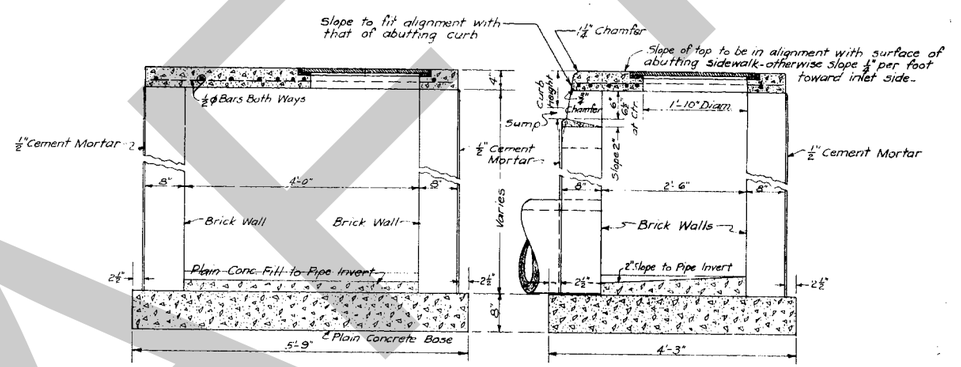


PLAN OF CAST IRON RING
Scale:- 1"=1'-0"

SECTION A-A
Scale:- 1"=1"

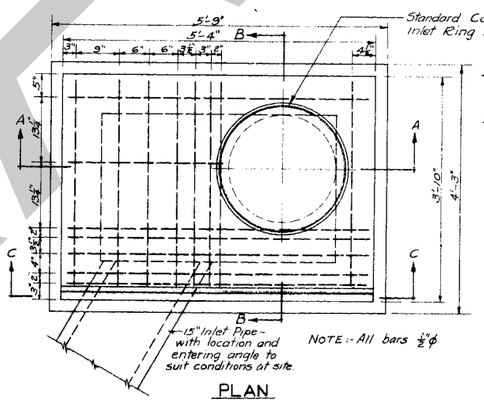
CAST IRON COVER
Scale:- 1"=1'-0"

STANDARD CAST IRON RING AND COVER
—FOR CURB INLETS—

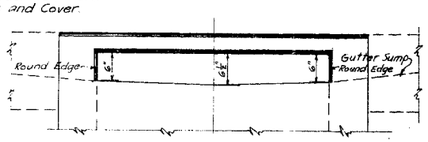


SECTION A-A

SECTION B-B



PLAN



SECTION C-C

BAR SCHEDULE FOR TOP SLAB

NO.	SIZE	LOCATION	LENGTH
8	½"ϕ	Transverse Bars	3' "
6	"	Longitudinal Bars	5'-1"
1	"	Ditto	2'-8"

STANDARD STORM WATER CURB INLET

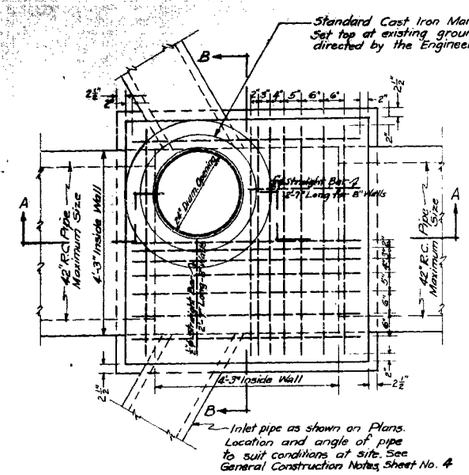
Scale:- 1"=1'-0"

For General Construction Notes, See Sheet No. 4.

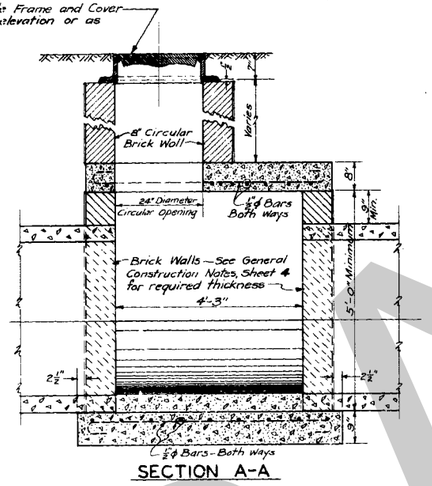
PUBLIC WORKS DEPARTMENT
TAMPA, FLA.
PROJECT S-7-34 PROJ. NO. 16
Relief Storm Sewer
Swann Ave. & Parkland Blvd.
SURVEY BY _____ BOOK NO. _____
DRAWN BY _____ CHECKED BY _____
CODE A.S. Shaw DATE April 19, 1934
APPROVED _____ DATE April 19, 1934
Thos. P. Jones, Engr.

30/17

File No. C-3-31 Sheet 5 of 6 Sheets

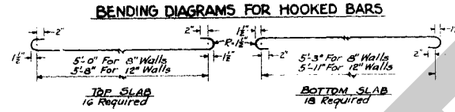


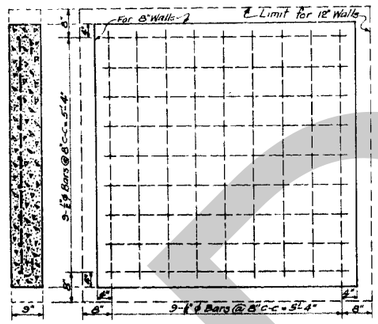
PLAN



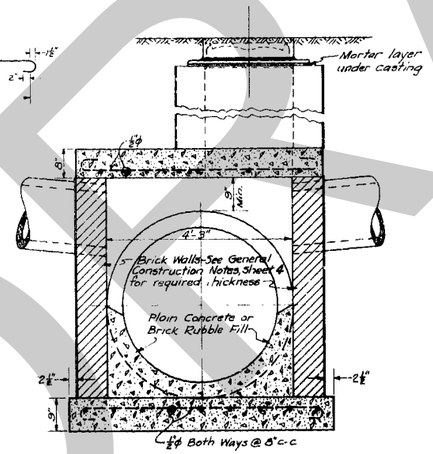
SECTION A-A

BENDING DIAGRAMS FOR HOOKED BARS





PLAN OF BOTTOM SLAB

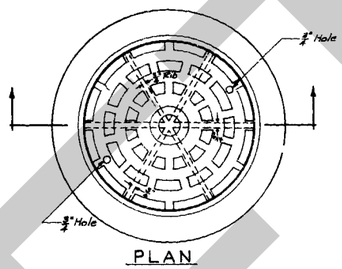


SECTION B-B

TYPE "BX-2" MANHOLE

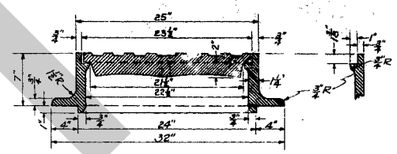
Scale:- ¾" = 1'-0"

For General Construction Notes, See Sheet No. 4



PLAN

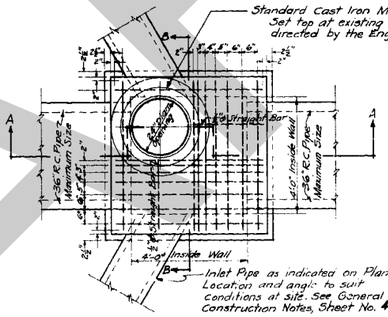
NOTE :- Cover must fit the frame in any position and shall not rock. See Specifications.



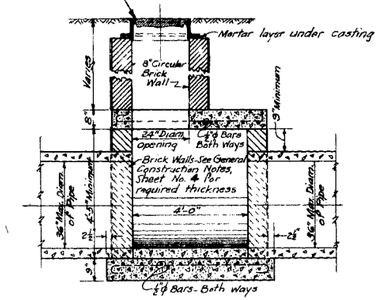
SECTION

STANDARD CAST IRON MANHOLE FRAME AND COVER

Scale:- 1½" = 1'-0"

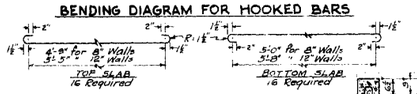


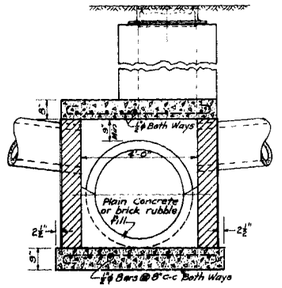
PLAN



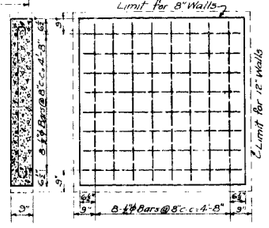
SECTION A-A

BENDING DIAGRAM FOR HOOKED BARS





SECTION B-B



PLAN OF BOTTOM SLAB

TYPE "BX-1" MANHOLE

Scale:- 1½" = 1'-0"

For General Construction Notes, See Sheet No. 4

PUBLIC WORKS DEPARTMENT
TAMPA, FLA

PROJECT S-7-54 PROJ. NO. 16
Relief Storm Sewer
Swann Ave. & Parkland Blvd.

SURVEY BY _____ BOOK NO. _____
DRAWN BY _____ CHECKED BY _____
SCALE As Shown DATE April 12, 1954
APPROVED _____ DATE April 19, 1954

30
17

Roy R. Van Landingham

File No. C-3-41 Sheet 6 of 6 Sheets

DRAFT

Q.5 Tampa Hillsborough Expressway Authority – Original Crosstown Plans

DRAFT

SECTION	CONTRACT	SOUTH CROSSTOWN EXPRESSWAY	SHEET NO.
10002	2504		R/W-3
By: WACO		TAMPA-HILLSBOROUGH COUNTY EXPRESSWAY AUTHORITY	Date: 1972

STATE ROAD NO. 449

SCALE 1" = 50'

SEC. 23, T29S, R18E

WEST SIDE PARK SUBDIVISION P.B.1 PG.35

WATROUS SUBDIVISION P.B.2 PG. 9

L.A. R/W LINE ℄

STA. 156+52.33 ℄ RAMP "A"
STA. 256+52.33 ℄ CONST.
55' OFFSET
℄ SURVEY ℄ N 35°42'01.8" E

℄ CONST. ℄

S 35°42'01.8" W ℄

℄ SOUTH TRACK ℄

RAMP "B"

STA 10+00 ℄ PLATT ST.
STA. 258+62.56 ℄ SURVEY
N 35°42'01.8" E
309.08

CURVE NO. 2

CURVE NO. 4

CURVE NO. 3

NOTE,
R/W AQUIRED UNDER
R/W PROJECT 10002-2510

END R/W PROJECT
10002-2504 STA 259+10.80
BEGIN R/W PROJECT 10002-2505
STA. 501+09.44

P.I. NO.2 STA. 264+99.55 ℄ SURVEY R.R.
STA. 122+90.61 ℄ CLEVELAND ST.

P.I. NO.4 STA. 123+08.50

SCL. RR R/W ℄

CLEVELAND STREET

S 89°29'55" E ℄ SURVEY ℄

S 89°06'23" E

PLATT STREET

OREGON AVE.

AZELEE STREET

ORLEANS STREET

WILLOW AVE.

℄ DEED ℄ ASPHALT ℄

℄ SHELL & ASPHALT ℄

℄ CONC. ℄

L.A. R/W & ℄ LINE

TO BE CLOSED

NOTE,
R/W AQUIRED UNDER
R/W PROJECT
10002-2505

EQUALITY
STA. 64+49.99 ℄ B =
STA. 17+34.88 ℄ PLATT =
STA. 25+24.00 ℄ WILLOW

STA. 266+44.54

STA. 7+71.37 ℄ A =
STA. 20+00 ℄
WILLOW AVE.

2 STY. MASONRY BAKERY

1 STY. MASONRY BAKERY

LOADING PLATFORM

METAL SHED

1 STY. C.B. WAREHOUSE

1 STY. STUCCO RES.

1 STY. FR. RES.

1 STY. C.B. BUS.

1 STY. C.B. STUCCO RES.

2 ST. FR. APT.

2 STY. MASONRY

CURVE NO.4 DATA

P.I. STA. 56+15.81
Δ = 38° 20' 39.8"
D = 14° 00' 00"
T = 142.30'
L = 273.89'
R = 409.26'
P.C. STA. 54+73.51
P.T. STA. 57+47.40

CURVE NO.3 DATA

P.I. STA. 160+97.99
Δ = 19° 00' 00"
D = 10° 00' 00"
T = 95.88'
L = 190.00'
R = 572.96'
P.C. STA. 160+02.11
P.T. STA. 161+92.11

CURVE NO.2 DATA

P.I. STA. 263+06.95
Δ = 55° 11' 35.2"
D = 4° 00' 00"
T = 748.72'
L = 1379.82'
R = 1432.39
P.C. STA. 255+58.23
P.T. STA. 269+38.05

③ Note: Parcel title to be acquired in fee simple unless denoted otherwise.

PARCEL No.	OWNERS NAME	AREA TAKEN	REMAINDER RIGHT	REMAINDER LEFT
100.1				
101.1				
102.1	JOE R. SUAREZ & GLADYS W.	3567 S.F.		
103.1	MOORE LEE WALKER & ORA WALKER	5658 "		
104.1	CHARLIE BURROUGHS	5658 "		
105.1	IDA MAE McMICHAEL	5658 "		
106.1	JACK V. FRY & RITA C. FRY	8488 "		
107.1	WILLIE B. JONES	4469 "		
108.1	EDWARD MONTGOMERY et al.	3632 "		
109.1	JAMES TUCKER & ALTHEA TUCKER	3564 "		
110.1	CHINA KITCHEN & WILLIE MAE (WIFE)	5202 "		
111.1	CATHERINE PILCHER	3018 "		
112.1	ANDREW WHIGHAM JR.	3734 "		
113.1	QUECO CORP, A FLORIDA CORP.	12,731 "		
114.1	JOSEPH CIMANO & SYLVIA CIMANO	7369 "		

PARCEL NO.	OWNERS NAME	AREA TAKEN	REMAINDER RIGHT	REMAINDER LEFT
115.1	LEE DAVIS & ETHEL DAVIS	4244 SF	4244 SF ④	
116.1	ISABELLA WILSON & CONNIE WILSON	7260 "		
117.1	HORACE McCRAY & MABLE McCRAY	2344 "		
118.1	MARTHA MOORE WALKER	88 "		

NO.	REVISION	BY	DATE
④	Fee simple note added.	JNC	1-8-74
③	Revised Parcel 115	JNC	1/28/74
②	Revised L.A., R/W, & ℄ Lines	JNC	11-6-73

TAMPA-HILLSBOROUGH COUNTY EXPRESSWAY AUTHORITY

SOUTH CROSSTOWN EXPRESSWAY

RECEIVED JAN 28 1976 R/W

RECEIVED JAN 28 1976 BY: PUB. WKS. DEPT.

RIGHT OF WAY MAP INSERT NO 2

J. E. GREINER COMPANY — WATSON & COMPANY
CONSULTING ENGINEERS TAMPA, FLORIDA

MADE C.S.D. DATE 3-27-73 | TRACED C.S.D. DATE 3-27-73
CHECKED D. Mann DATE 10-11-73 | SCALE 1" = 50'

MICROFILMED

129
178

H-16-2 R/W

H-16-2E

JAN 1 6 1976

DRAFT

SECTION	CONTRACT	SOUTH CROSSTOWN EXPRESSWAY	SHEET NO.
	1		1
By: JEG	TAMPA-HILLSBOROUGH COUNTY EXPRESSWAY AUTHORITY		Date: 9/73

AS BUILT

DEC 30, 1975

TAMPA - HILLSBOROUGH COUNTY EXPRESSWAY AUTHORITY

—PLANS OF PROPOSED—

SOUTH CROSSTOWN EXPRESSWAY

HILLSBOROUGH COUNTY TAMPA, FLORIDA

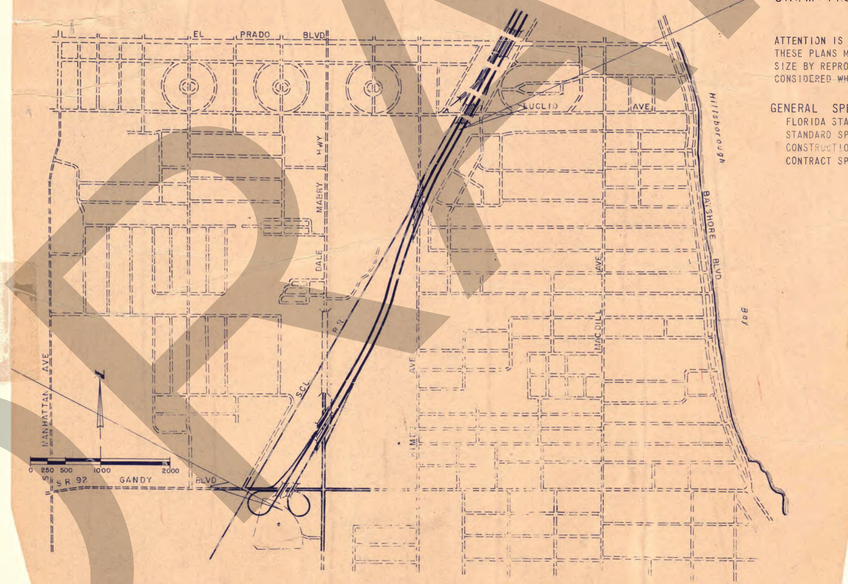
STATE JOB NO. 10002-3501-032

STATE ROAD NO. 449

END.
STATE JOB NO. 1000
STA. 111+44.00

ATTENTION IS DIRECTED
THESE PLANS MAY HAVE
SIZE BY REPRODUCTION.
CONSIDERED WHEN OBTAI

GENERAL SPECIFICA
FLORIDA STATE DEPAR
STANDARD SPECIFICA
CONSTRUCTION - 197
CONTRACT SPECIAL P



CONTRACT NO. 1

GANDY BLVD TO EUCLID AVE

Greiner Engineering Sciences, Inc. - WATSON AND COMPANY

Consulting Engineers
To The Tampa - Hillsborough County Expressway Authority

P.O. BOX 23646
TAMPA, FLORIDA 33622
813/879-1711

In accordance with the City-Expressway Authority Joint Project Agreement, the following "as-built" drawings (sepias) for the Tampa-South Crosstown Expressway have been furnished the City of Tampa, (Attention: Mr. Dale Twachtman, Utilities Coordinator).

CONTRACT NUMBER 1 - State Job No. 10002-3501

Description	Drawing Number Sheet No.
Cover Sheet (Gandy Blvd. to Euclid Ave.)	1
Drainage Map	3
Miscellaneous Details	9
Typical Sections	10, 11 and 12
Plan and Profile	15 through 28
Interchange Layout (Gandy Blvd-Dale Mabry)	29
Cover Sheet Water Line Relocation	WL-1
Summary of Water Line Quantities	WL-2
Standard Details	WL-3 and 4
Plan and Profile	WL-5,6,7,7A,8 and 8A
Cover Sheet Sanitary Sewer Relocation	SS-1
Summary of Quantities	SS-2
Plan and Profile	SS-3
Miscellaneous Details	SS-4 and SS-5
Key Map	RW/1
Right-of-way Maps	RW/2 through RW/7

Total No. Mylar Sheets 28.

AS BUILT

DEC 30 1975

84/1

DRAFT

SECTION	CONTRACT	SOUTH CROSSTOWN EXPRESSWAY	SHEET NO.
By: JEG	1	TAMPA-HILLSBOROUGH COUNTY EXPRESSWAY AUTHORITY	1
			Date: 9/73

AS BUILT

DEC. 30, 1975

TAMPA - HILLSBOROUGH COUNTY EXPRESSWAY AUTHORITY

—PLANS OF PROPOSED—

SOUTH CROSSTOWN EXPRESSWAY

HILLSBOROUGH COUNTY TAMPA, FLORIDA

STATE JOB NO. 10002-3501-032

STATE ROAD NO. 449

THIS CONTRACT PLAN SET INCLUDES

- ROADWAY PLANS
- SIGNING AND PAVEMENT MARKING PLANS
- SIGNALIZATION PLANS
- LIGHTING PLANS
- STRUCTURE PLANS
- WATERLINE RELOCATION PLANS
- SANITARY SEWER RELOCATION PLANS
- RIGHT-OF-WAY PLANS

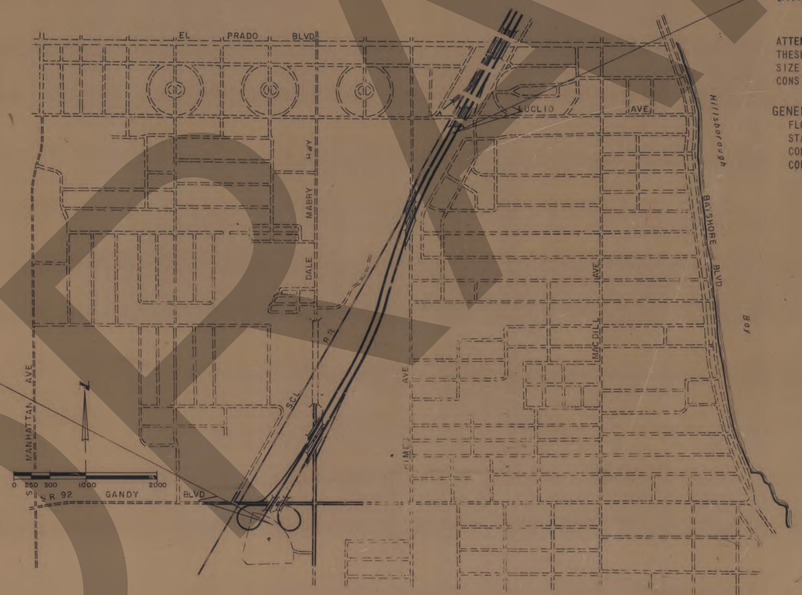
FOR INDEX OF OTHER PLANS SEE APPROPRIATE SHEETS

INDEX OF ROADWAY PLANS

Sheet No.	Sheet Description
1	KEY MAP
2-3	DRAINAGE MAP
4-6	CONTOUR GRADING AND BORROW PIT PLANS
7	BASE TRAVERSE CONTROL SHEET
8	SPIRAL STAKE-OUT AND TRAFFIC DIAGRAM
9	MISCELLANEOUS DETAILS
10-12	TYPICAL SECTIONS
13	SUMMARY OF QUANTITIES
14	MASS DIAGRAM
15-28	PLAN AND PROFILES
29	INTERCHANGE LAYOUT SHEET
30-49	DRAINAGE STRUCTURE SECTIONS
50-56	SPECIAL PROFILES
57	SOIL DATA
* 58-83, 85-105	CROSS SECTIONS * SHEET NO. 84 BLANK
106-123	DRAINAGE DETAILS
124-130	APPROACH SLAB DETAILS
131	PROJECT INFORMATION SIGN
132	BORROW AREA ONE

STANDARD DRAWINGS

Index No.	Drawings
194	STANDARD ABBREVIATIONS (2 SHEETS)
195	STANDARD SYMBOLS FOR KEY MAPS AND PLAN SHEETS (3 SHEETS)
200-B	STANDARD ENDWALLS FOR PIPE CULVERTS
1101-W	MISCELLANEOUS ROADWAY CONSTRUCTION DETAILS (2 SHEETS)
1129-G	U-ENDWALLS FOR PIPE CULVERTS (3 SHEETS)
1337-C	SUPPLEMENTARY DETAILS FOR INLET BOXES
1454-C	STANDARD ENDWALLS FOR PIPE CULVERTS
1455-C	FLARED END SECTION FOR PIPE CULVERTS (2 SHEETS)
1466-L	DETAILS OF RAILROAD CROSSINGS (4 SHEETS)
1915-K	DETAILS FOR MUNICIPAL CONSTRUCTION
2300-R	GUARDRAIL CONSTRUCTION (4 SHEETS)
2443-C	STANDARD DITCH BOTTOM INLETS, TYPES "F" & "G"
2416-A	STANDARD HEADWALL FOR DOUBLE 60" CONCRETE PIPE
5010-H	SUPERELEVATION DETAILS
5016-B	TURNOUT DETAILS
5043-B	INLETS, TYPES VA & VB
5046-D	STANDARD DITCH BOTTOM INLETS, TYPES C, D, E & H, SUPPLEMENTAL DETAILS
5047-G	MANHOLE & JUNCTION BOX, TYPES P & J, INLETS THROATS, TYPE 1,2,3,4,5 & 6 (2 SHEETS)
5048-B	INLET, TYPE "X"
5049-A	INLET, TYPE "Z"
5061-E	MISCELLANEOUS DRAINAGE DETAILS (2 SHEETS)
5072-G	DETAILS OF FENCING (2 SHEETS)
5073-L	STANDARD DETAILS FOR RAMP T[illegible]
5080-G	CURB, CURB AND GUTTER, TRA[illegible] SETA[illegible]
5086-A	SHOULDER GUTTER INLET, TYP[illegible]
8011	SINGLE CONCRETE BOX CULVERT[illegible] 5



BEGIN
STATE JOB NO. 10002-3501
STA. 50+35.86

END.
STATE JOB NO. 10002-3501
STA. 111+44.00

ATTENTION IS DIRECTED TO THE FACT THAT THESE PLANS MAY HAVE BEEN REDUCED IN SIZE BY REPRODUCTION. THIS MUST BE CONSIDERED WHEN OBTAINING SCALED DATA.

GENERAL SPECIFICATIONS

FLORIDA STATE DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION - 1973 OR AS MODIFIED BY THE CONTRACT SPECIAL PROVISIONS.



LENGTH OF JOB		
	STATE JOB NO. 10002 - 3501	
	LIN. FT.	MILES
ROADWAY	5,161.46	0.977
BRIDGES	946.68	0.179
NET LENGTH	6,108.14	1.156
EXCEPTIONS	—0—	—0—
GROSS LENGTH	6,108.14	1.156

LOCATION OF BRIDGES			
STRUCTURE	BEGIN STA.	END STA.	LENGTH
GANDY BLVD	51+63.14	54+09.142	245.83'
DALE MABRY HWY	61+31.781	65+12.638	380.85'
HIMES AVE	97+65.196	100+85.185	319.99'

APPROVAL RECOMMENDED 2-26-74

BY William D. Foster

J. E. GREINER COMPANY, INC. / WATSON AND COMPANY

APPROVED 2-26-74

BY Bob Lasher
CHAIRMAN

TAMPA-HILLSBOROUGH COUNTY EXPRESSWAY AUTHORITY

CONTRACT NO. 1

GANDY BLVD TO EUCLID AVE

J. E. GREINER COMPANY, INC.
CONSULTING ENGINEERS
TAMPA FLORIDA

SUBMITTED _____ DATE _____

Contract No. 1

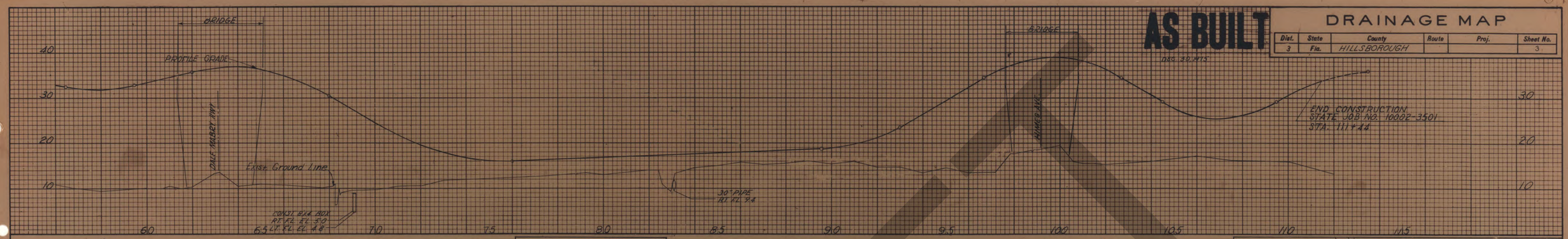
84
1

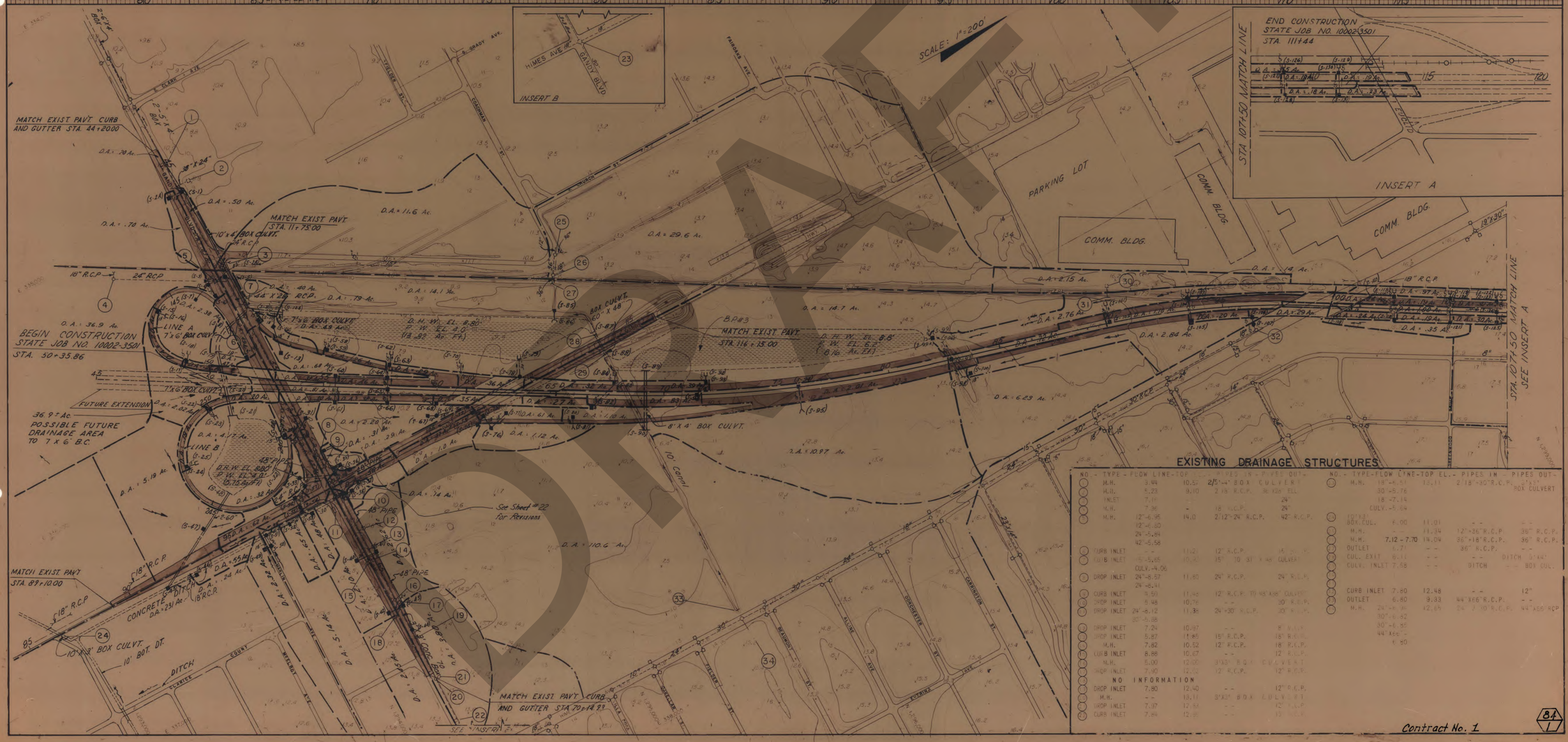
AS BUILT

DRAINAGE MAP

Dist.	State	County	Route	Proj.	Sheet No.
3	Fla.	HILLSBOROUGH			3

DEC. 30, 1975

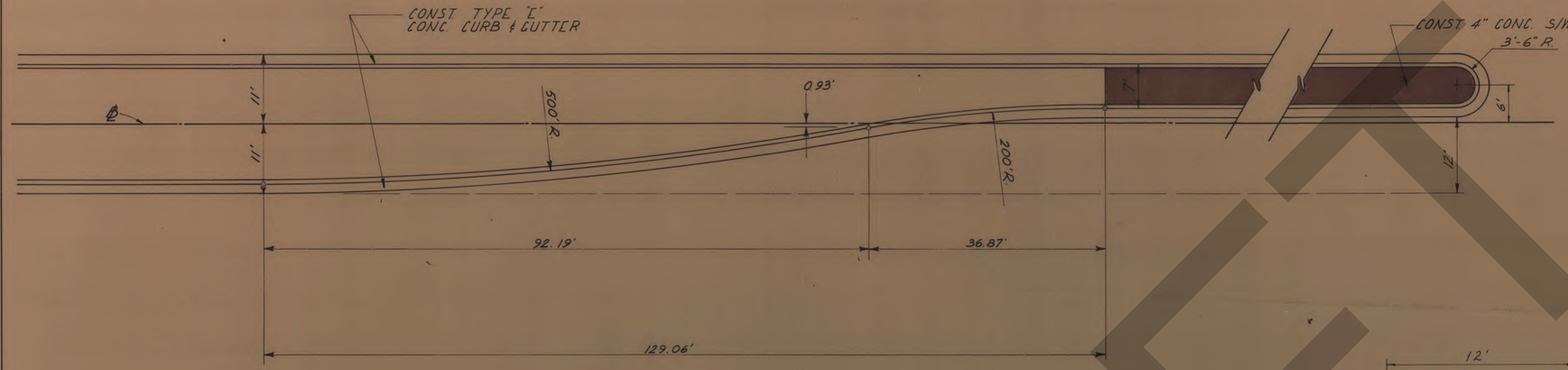



SCALE: 1"=200'
MATCH EXIST. PAVT. CURB AND GUTTER STA. 44+20.00
BEGIN CONSTRUCTION STATE JOB NO. 10002-3501 STA. 50+35.86
INSERT B
INSERT A
END CONSTRUCTION STATE JOB NO. 10002-3501 STA. 111+44
STA. 107+50 MATCH LINE
SEE INSERT A
STA. 107+50 MATCH LINE
SEE INSERT A
MATCH EXIST. PAVT. STA. 11+75.00
MATCH EXIST. PAVT. STA. 116+15.00
MATCH EXIST. PAVT. STA. 89+10.00
MATCH EXIST. PAVT. CURB AND GUTTER STA. 70+14.99
See Sheet #22 for Revisions
PARKING LOT
COMM. BLDG.
FUTURE EXTENSION
36.9 ± Ac. POSSIBLE FUTURE DRAINAGE AREA TO 7'X6' B.C.
LINE A 7'X6' BOX CULVT.
LINE B 7'X6' BOX CULVT.
8'X4' BOX CULVT.
10' Canal
CONCRETE DITCH
10' BOT. DT.
DITCH
D.A. = 36.9 Ac.
D.A. = 11.6 Ac.
D.A. = 29.6 Ac.
D.A. = 14.1 Ac.
D.A. = 14.7 Ac.
D.A. = 10.97 Ac.
D.A. = 110.6 Ac.
D.A. = 6.23 Ac.
D.A. = 2.84 Ac.
D.A. = 2.76 Ac.
D.A. = 2.15 Ac.
D.A. = 5.19 Ac.
D.A. = 23.1 Ac.
D.A. = 5.14 Ac.
D.A. = 24.2 Ac.
D.A. = 5.55 Ac.
D.A. = 2.62 Ac.
D.A. = 2.28 Ac.
D.A. = 1.0 Ac.
D.A. = 1.18 Ac.
D.A. = 1.12 Ac.
D.A. = 1.14 Ac.
D.A. = 1.97 Ac.
D.A. = 1.29 Ac.
D.A. = 1.24 Ac.
D.A. = 1.19 Ac.
D.A. = 1.30 Ac.
D.A. = 1.35 Ac.
D.A. = 1.29 Ac.
D.A. = 1.32 Ac.
D.A. = 1.14 Ac.
D.A. = 1.20 Ac.
D.A. = 1.32 Ac.
D.A. = 1.33 Ac.
D.A. = 1.39 Ac.
D.A. = 1.41 Ac.
D.A. = 1.42 Ac.
D.A. = 1.43 Ac.
D.A. = 1.44 Ac.
D.A. = 1.45 Ac.
D.A. = 1.46 Ac.
D.A. = 1.47 Ac.
D.A. = 1.48 Ac.
D.A. = 1.49 Ac.
D.A. = 1.50 Ac.
D.A. =

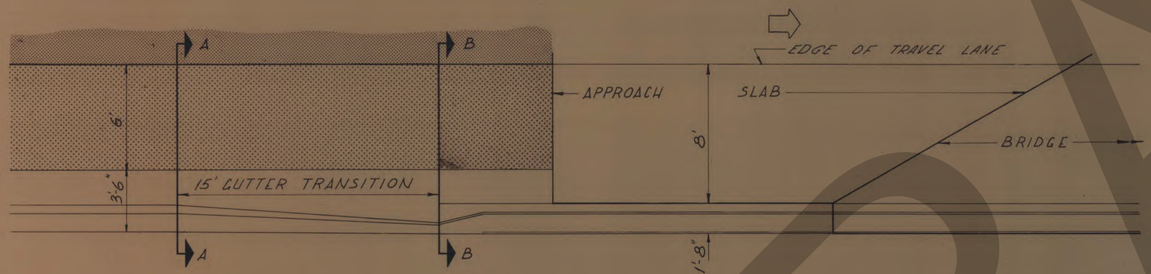
AS BUILT
DEC. 30, 1975

SECTION	CONTRACT	SOUTH CROSSTOWN EXPRESSWAY	SHEET NO.
	1		9
By: J.E.G.	TAMPA-HILLSBOROUGH COUNTY EXPRESSWAY AUTHORITY		Date: 7-73

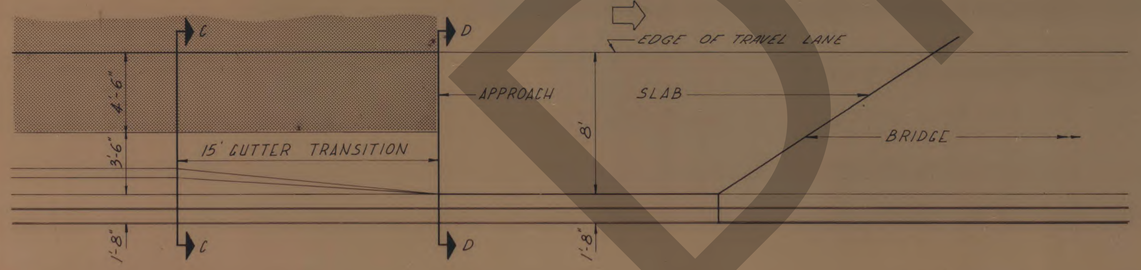
STATE JOB No. 10002-3501



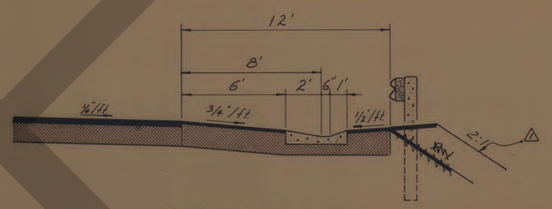
TYPICAL LEFT HAND TURN LANE AT GANDY BLVD. AND DALE MABRY HWY.



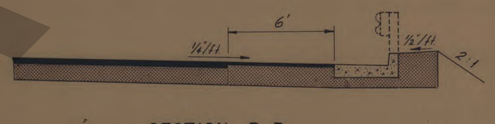
SHOULDER GUTTER TRANSITION AT DALE MABRY HWY.



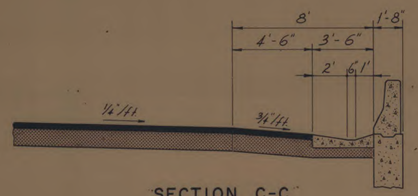
SHOULDER GUTTER TRANSITION AT HIMES AVE.



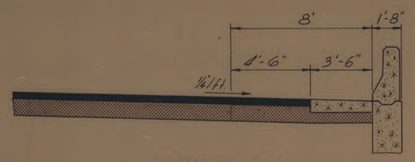
SECTION A-A



SECTION B-B



SECTION C-C



SECTION D-D

AS BUILT NOTES
Δ REVISED GUARDRAIL, PAVEMENT & SLOPE

NO.	REVISION	BY	DATE

TAMPA-HILLSBOROUGH COUNTY EXPRESSWAY AUTHORITY

SOUTH CROSSTOWN EXPRESSWAY

MISCELLANEOUS DETAILS

J. E. GREINER COMPANY — WATSON & COMPANY
CONSULTING ENGINEERS TAMPA, FLORIDA

MADE JRP DATE 6/73 TRACED DATE
CHECKED WJB DATE 6/73 SCALE

Contract No. 1

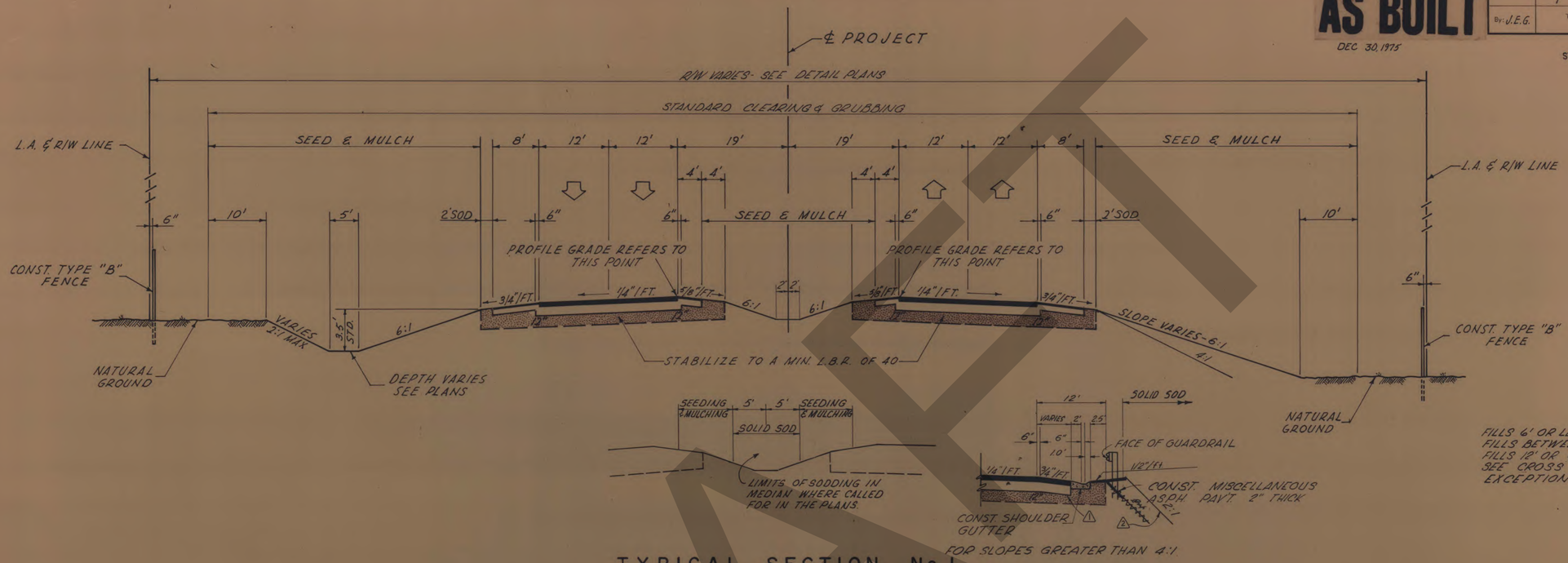
84
1

DRAFT

AS BUILT
DEC 30, 1975

SECTION	CONTRACT	SOUTH CROSSTOWN EXPRESSWAY	SHEET NO.
	1		10
By: J.E.G.	TAMPA-HILLSBOROUGH COUNTY EXPRESSWAY AUTHORITY		Date: 7-73

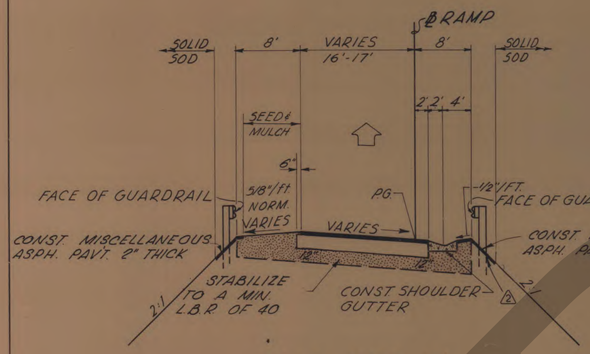
STATE JOB No. 10002-3501



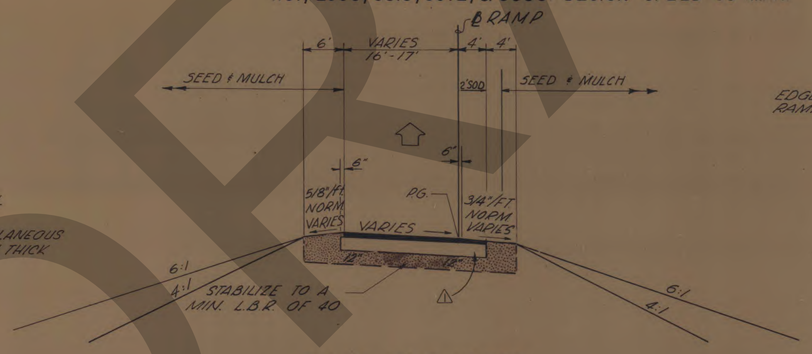
FILLS 6' OR LESS, USE 6:1 SLOPE
FILLS BETWEEN 6' & 12', USE 4:1 SLOPE
FILLS 12' OR GREATER USE 2:1 SLOPE
SEE CROSS SECTIONS FOR ANY EXCEPTIONS.

TYPICAL SECTION No. 1

LIMEROCK BASE (10" THICK, DOUBLE COURSE) PRIMED, WITH ASPHALTIC CONCRETE WEARING COURSE (1" THICK) TOP LAYER AND TYPE S-I ASPHALTIC CONCRETE (2" THICK) BOTTOM LAYER. FOR ADDITIONAL DETAILS, SEE INDEX NO's. 1101, 2300, 5010, 5072, & 5080. DESIGN SPEED 50 M.P.H.



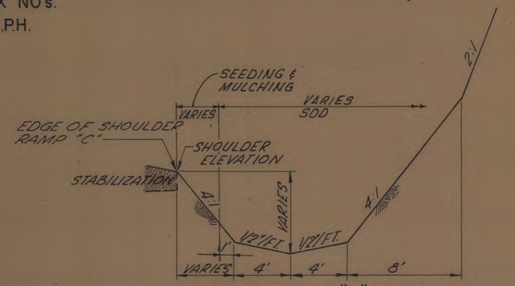
FILLS OVER 12'



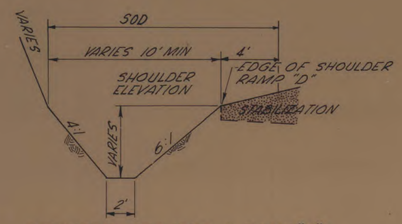
FILLS 12' & UNDER

TYPICAL RAMP SECTIONS

LIMEROCK BASE (10" THICK, DOUBLE COURSE) PRIMED, WITH ASPHALTIC CONCRETE WEARING COURSE (1" THICK) TOP LAYER AND TYPE S-I ASPHALTIC CONCRETE (2" THICK) BOTTOM LAYER. FOR ADDITIONAL DETAILS, SEE INDEX NO's. 1101, 2300, 5010, 5072, & 5080. DESIGN SPEED 50 M.P.H.



BETWEEN RAMP "C" & PROJECT



BETWEEN PROJECT & RAMP "D"

TYPICAL DITCH SECTIONS

AS BUILT NOTES
⚠1 REVISED TYPICAL SECTION
⚠2 REVISED GUARDRAIL, PAVEMENT, & SLOPE

SHOULDER PAVEMENT
LIMEROCK BASE COURSE (5" THICK) PRIMED, ~~WITH TYPE S-I ASPHALTIC CONCRETE (1" THICK) AND ASPHALTIC CONCRETE WEARING COURSE (1" THICK). ALT "C"~~ OR;
SAND-ASPHALT HOT MIX BASE COURSE 13" THICK) (800 LBS STABILITY) WITH ASPHALTIC CONCRETE WEARING COURSE (1" THICK). ALT. "G"

NO.	REVISION	BY	DATE

TAMPA - HILLSBOROUGH COUNTY EXPRESSWAY AUTHORITY
SOUTH CROSSTOWN EXPRESSWAY

TYPICAL SECTIONS

J. E. GREINER COMPANY — WATSON & COMPANY
CONSULTING ENGINEERS TAMPA, FLORIDA

MADE GLP DATE 4-73 | TRACED DATE
CHECKED MNB DATE 5-73 | SCALE

84
1

Contract No. 1.

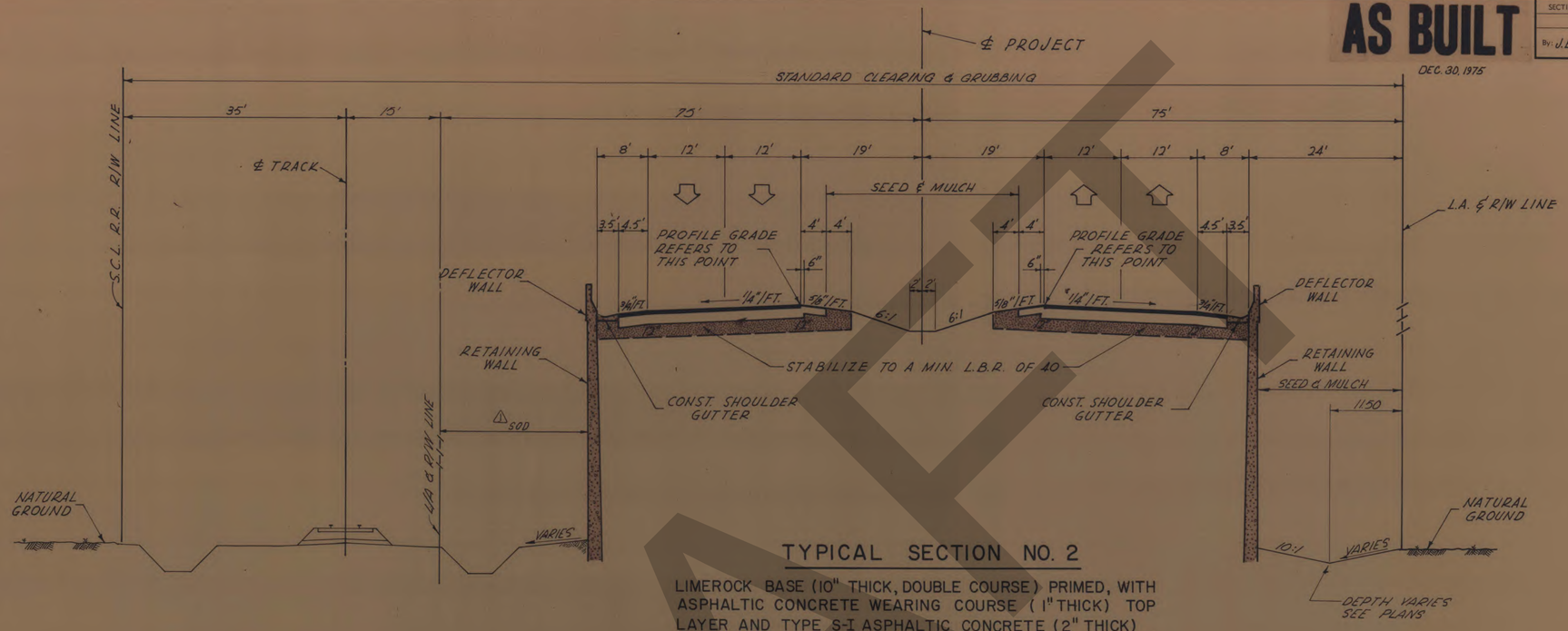
DRAFT

AS BUILT

DEC. 30, 1975

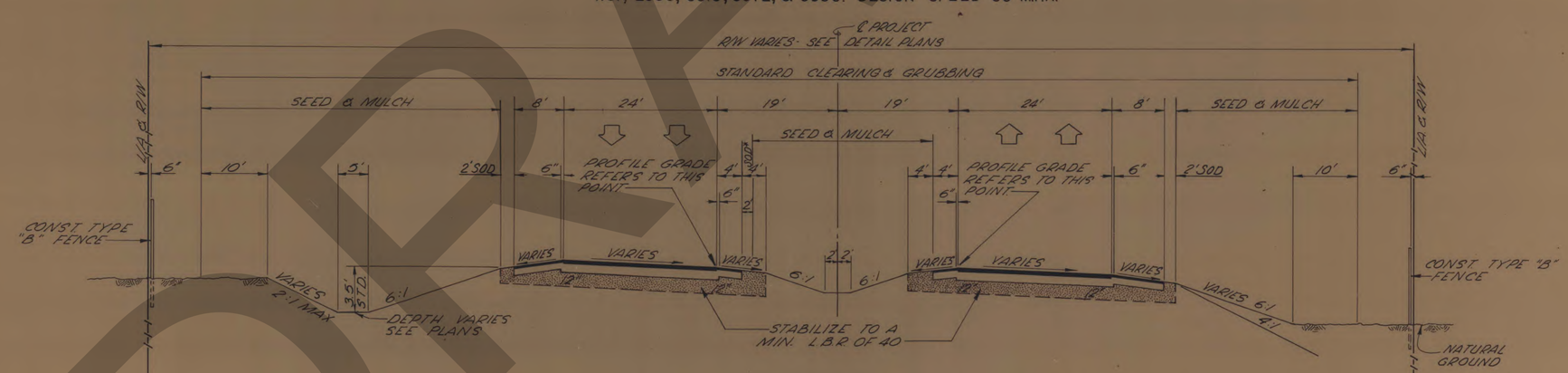
SECTION	CONTRACT	SOUTH CROSSTOWN EXPRESSWAY	SHEET NO.
	1		11
By: J.E.G.	TAMPA-HILLSBOROUGH COUNTY EXPRESSWAY AUTHORITY		Date: 7-73

STATE JOB No. 10002-3501



TYPICAL SECTION NO. 2

LIMEROCK BASE (10" THICK, DOUBLE COURSE) PRIMED, WITH ASPHALTIC CONCRETE WEARING COURSE (1" THICK) TOP LAYER AND TYPE S-I ASPHALTIC CONCRETE (2" THICK) BOTTOM LAYER. FOR ADDITIONAL DETAILS, SEE INDEX NO's. 1101, 2300, 5010, 5072, & 5080. DESIGN SPEED 50 M.P.H.



TYPICAL SUPERELEVATED SECTION NO. 3

LIMEROCK BASE (10" THICK, DOUBLE COURSE) PRIMED, WITH ASPHALTIC CONCRETE WEARING COURSE (1" THICK) TOP LAYER AND TYPE S-I ASPHALTIC CONCRETE (2" THICK) BOTTOM LAYER. FOR ADDITIONAL DETAILS, SEE INDEX NO's. 1101, 2300, 5010, 5072, & 5080. DESIGN SPEED 50 M.P.H.

* SOD 2' ADJACENT TO PAVED SHOULDER IN SUPERELEVATION SECTIONS WHEN ROADWAY WATER DRAINS TO MEDIAN PITCH.

AS BUILT NOTES
△1 SOD ADDED

NO.	REVISION	BY	DATE

TAMPA-HILLSBOROUGH COUNTY EXPRESSWAY AUTHORITY

SOUTH CROSSTOWN EXPRESSWAY

TYPICAL SECTIONS

J. E. GREINER COMPANY — WATSON & COMPANY
CONSULTING ENGINEERS — TAMPA, FLORIDA

MADE JKP DATE 4-73 TRACED DATE
CHECKED MWB DATE 5-73 SCALE

84/1

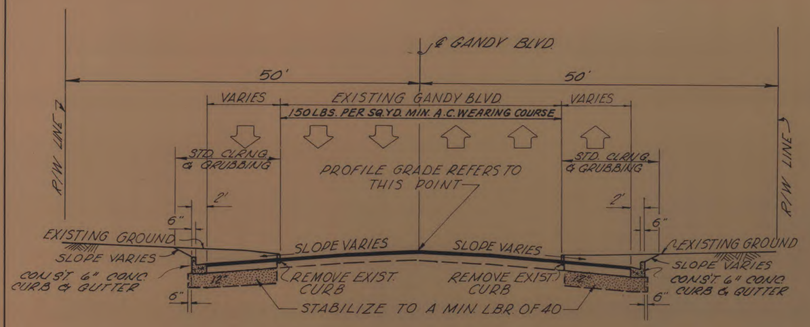
Contract No. 1.

DRAFT

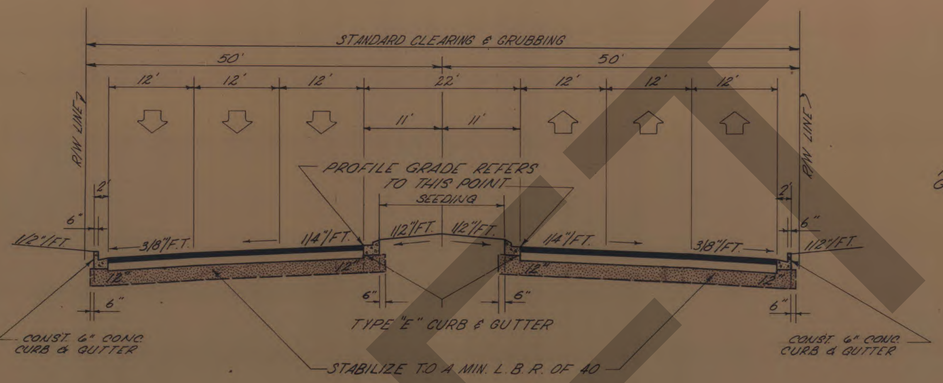
AS BUILT
DEC. 30, 1976

SECTION	CONTRACT	SOUTH CROSSTOWN EXPRESSWAY	SHEET NO.
	1		12
By: J.E.G.	TAMPA-HILLSBOROUGH COUNTY EXPRESSWAY AUTHORITY		Date: 7-73

STATE JOB No. 10002-3501

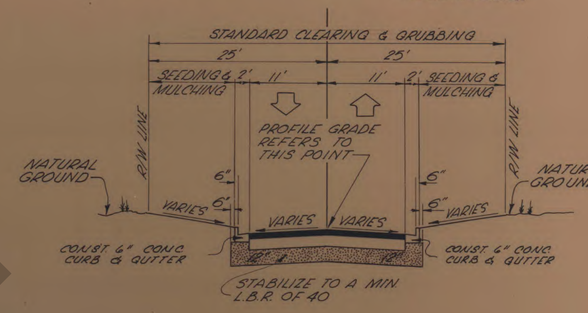


TYPICAL WIDENING & OVERLAY SECTION GANDY BLVD.*



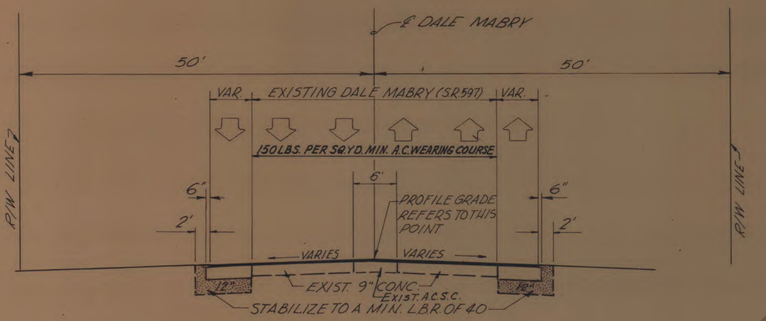
TYPICAL SIX LANE SECTION FOR GANDY & DALE MABRY

LIMEROCK BASE (10" THICK, DOUBLE COURSE) PRIMED, WITH ASPHALTIC CONCRETE WEARING COURSE (1" THICK) TOP LAYER AND TYPE S-I ASPHALTIC CONCRETE (2" THICK) BOTTOM LAYER. (ALTERNATES 1, 2 OR 3).
FOR ADDITIONAL DETAILS, SEE INDEX NO's. 1101, 2300, 5010, 5072, & 5080. DESIGN SPEED 50 M.P.H.

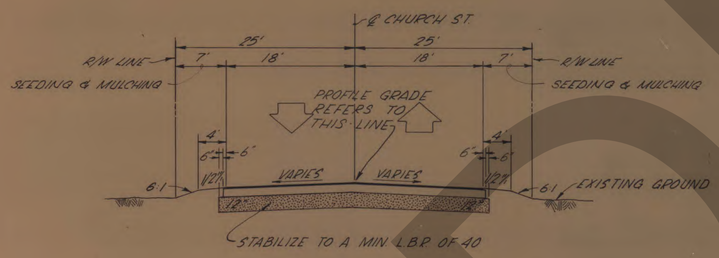


TYPICAL SECTION MARLIN AVE.

LIMEROCK BASE (9" THICK, DOUBLE COURSE) PRIMED, TYPE S-I ASPHALTIC CONCRETE (3" THICK, DOUBLE COURSE, EACH LAYER 1½" THICK) DESIGN SPEED 30 M.P.H.



TYPICAL WIDENING & OVERLAY SECTION DALE MABRY *

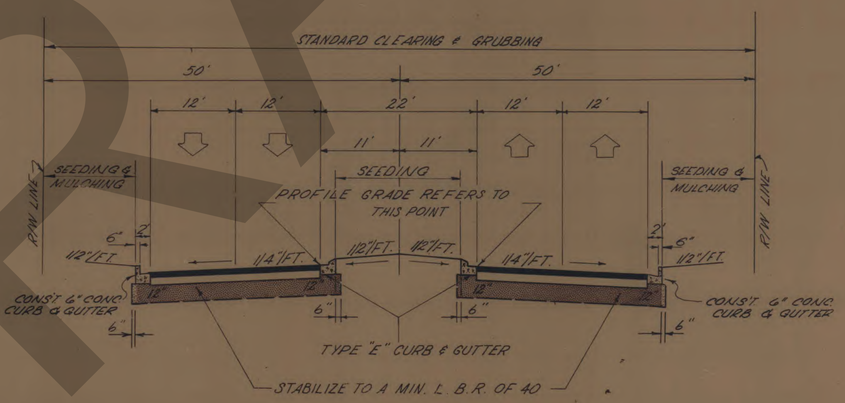


TYPICAL SECTION CHURCH ST.

LIMEROCK BASE (9" THICK, DOUBLE COURSE) PRIMED, TYPE S-I ASPHALTIC CONCRETE (3" THICK, DOUBLE COURSE, EACH LAYER 1½" THICK) DESIGN SPEED 35 M.P.H.

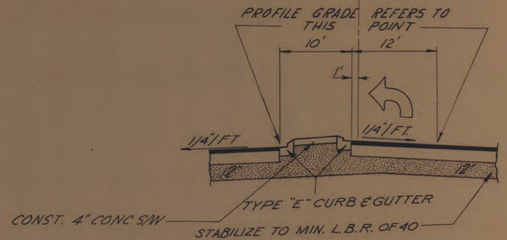
* TOP 1" OF WIDENING AND FULL THICKNESS OF OVERLAY SHALL BE OF ASPHALTIC CONCRETE WEARING COURSE. (ALTERNATES 1, 2 OR 3).

TYPICAL WIDENING
LIMEROCK BASE (10" THICK, DOUBLE COURSE) PRIMED, WITH TYPE S-I ASPHALTIC CONCRETE (2" THICK) BOTTOM LAYER.



TYPICAL SECTION DALE MABRY

LIMEROCK BASE (10" THICK, DOUBLE COURSE) PRIMED, WITH ASPHALTIC CONCRETE WEARING COURSE (1" THICK) TOP LAYER AND TYPE S-I ASPHALTIC CONCRETE (2" THICK) BOTTOM LAYER. (ALTERNATES 1, 2 OR 3).
FOR ADDITIONAL DETAILS, SEE INDEX NO's. 1101, 2300, 5010, 5072, & 5080. DESIGN SPEED 50 M.P.H.



TYPICAL LEFT HAND TURN LANE FOR DALE MABRY & GANDY BLVD.

NO.	REVISION	BY	DATE

TAMPA-HILLSBOROUGH COUNTY EXPRESSWAY AUTHORITY
SOUTH CROSSTOWN EXPRESSWAY

TYPICAL SECTIONS

J. E. GREINER COMPANY — WATSON & COMPANY
CONSULTING ENGINEERS TAMPA, FLORIDA

MADE SKC DATE 4/73 | TRACED ____ DATE ____
CHECKED JWB DATE 5/73 | SCALE ____ | B4 / 1

Contract No. 1

DRAFT

SECTION	CONTRACT	SOUTH CROSSTOWN EXPRESSWAY	SHEET NO.
	1		75
BY J.E.C.		TAMPA-HILLSBOROUGH COUNTY EXPRESSWAY AUTHORITY	Date: 7-75

STATE JOB No. 10002-8501

AS BUILT

DEC 30 1975

SCALE 1"=50'

BEGIN BRIDGE STA 61+31.78

CURVE NO. "2-C"
PI STA 358+18.01
Δ= 8°-00'-00.0"
D= 4°-00'-00.0"
T= 100.16
L= 200.00'
R= 1,432.39

SEE SHEET NO 9 FOR GUTTER TRANSITION (S-70)

STA 63+22.21 ℄ PROJECT
STA 108+93.87 ℄ DALE MABRY

CONST. 5'x4' BOX CULVT (S-87)

STA 67+63.54
As Built Location
.495'
Actual Location N 295,513.954 E 336,621.081
Plan Location N 295,513.959 E 336,623.345
1.58' 12.59'

MATCH LINE STA 71+50.00 ℄ PROJECT

CONST 1025.0' OF GUARDRAIL

CONST. 97' OF 30" PIPE

CONST. TYPE 'B' FENCE

CONST 925.0' OF GUARDRAIL

L/A R/W LINE

STA 364+82.68 ℄ "C"
STA 64+82.68 ℄ PROJECT

CONST. 41' OF 15" CMP

CONST SHOULDER GUTTER

CONST. 325.0' OF GUARDRAIL

CONST 125' OF 18" PIPE

CONST. 241' LF OF 8'x4' BOX CULVT

CONST 6625' OF GUARDRAIL

CURVE NO. "1"

SHOULDER PAVT

CONST 41.1' OF 15" CMP
CONST. SHOULDER GUTTER

CONST 1125.0' OF GUARDRAIL

CONST 200.0' 11.5' OF GUARDRAIL

CONST 48' OF 18" PIPE

℄ PROJECT (S-65)
N 29°-59'-53" E

CONST 54' OF 15" PIPE

CONST 828' OF 15" CMP

CONST 110' OF 18" PIPE

CONST SHOULDER GUTTER

CONST 800.0' OF GUARDRAIL

CONST 24' PIPE

CONST 18" PIPE

CONST. TYPE 'B' FENCE

1 Sty C.B. Gar.

END BRIDGE STA 65+12.64

CONST. 48' OF 18" PIPE

CONST. TYPE 'B' FENCE

L/A R/W LINE

CURVE NO. "1-D"
PI STA 461+74.22
Δ= 25°-03'-40.0"
D= 18°-28'-57"
T= 98.80
L= 135.60
R= 310.0

CURVE NO. "3-D"
PT STA 468+84.20
Δ=10°-30'-375"
D= 1°-30'-000"
T= 351.33
L= 700.69
R= 3819.72

SEE SHEET NO. 29 FOR CONSTRUCTION DETAILS OF INTERCHANGE LAYOUT OF GANDY & DALE MABRY

105 ℄ DALE MABRY

N 0°-36'-12" E

460

N 4°-56'-12" E

PT STA 465+32.87

PT STA 461+74.22

PC STA 459+33.29

LINE "D"

SUPERELEVATION TRANSITION
BEGIN SE STA 65+63.54 - 4%/FT.
END SE STA 68+13.54 - 0.03%/FT.
BEGIN SE STA 67+23.54 - 4%/FT.
END SE STA 67+73.54 - 0.03%/FT.

PT. ROWY

P.T. ROWY

Parking Area

Golf Amusement

CB Comm

1 Sty C.B. Motel

House Trailers

Asph.

Grass

Coml

Shell

Gravel & Shell

Aluminum Sorry Shed

RW STA 65+00.00
EL 39.40'

STA 65+15 TO STA 76+00
500' MED DITCH

PVC STA 55+50.00
EL 32.80

PVI STA 58+50.00
EL 31.00

PVC STA 61+50.00
EL 32.80

PVI STA 68+50.00
EL 32.60

PVC STA 69+00.00
EL 32.60

PVI STA 72+00.00
EL 27.60

PVC STA 75+00.00
EL 22.60

PVI STA 78+00.00
EL 20.00

300' V.C.

600' V.C.

-1.00000%

+1.20000%

-2.00000%

+3.00000%

PROFILE GRADE 19' LT. & RT. & PROJECT

SEE SPECIAL PROFILE SHEET No. 53 FOR CONTINUATION OF PROFILE GRADE 19' LT & RT OF ℄ PROJECT

55+00 BEGIN SP GR V. DT. RT. EL. 10.6

-2.0%

SPEC GRADE 'V' DT RT

+50 DP LT EL 9.7

GENERAL NOTES

1. B.M. DATUM USC & GS.
2. ALL EXISTING DRAINAGE STRUCTURES WITHIN L.A. R/W LINES ARE TO BE REMOVED UNLESS OTHERWISE NOTED.
3. UTILITIES ARE TO BE ADJUSTED BY OTHERS AS DIRECTED BY THE ENGINEER
4. FOR LIMITED ACCESS LINE & RIGHT-OF-WAY GEOMETRY, SEE RIGHT-OF-WAY MAP.
5. BUILDINGS TO BE MOVED BY OTHERS.

D.P.I. LT LINE 'D' EL. 10.60

(S-77)

(S-76)

DT. RT. LINE 'D' - 3' BELOW SHOULDER

+100%

+70 D.P.I. LT LINE 'D' EL. 12.3

+0.10%?

SPEC. GRADE DT. RT. LINE 'D'

20" Water Line

+80 BEGIN SP GR DT RT EL 9.8

+80 D.P.I. LT EL 9.10

+80 END DT. RT. AT EXIST. GROUND EL. 10.62

+80 D.P.I. LT. LINE 'D' EL. 11.56

SP DT. LT. LINE 'D'

+0.80%

(S-80)

Existing Ground

+00 D.P.I. LT. LINE 'D' EL. 13.00

+00 D.P.I. LT. LINE 'D' EL. 16.6

+1.20%

+0.50%

(S-89)
(S-90)

CONST 8'x4' BOX CULVT

F.L. 5.0 RT.
F.L. 4.8 LT.

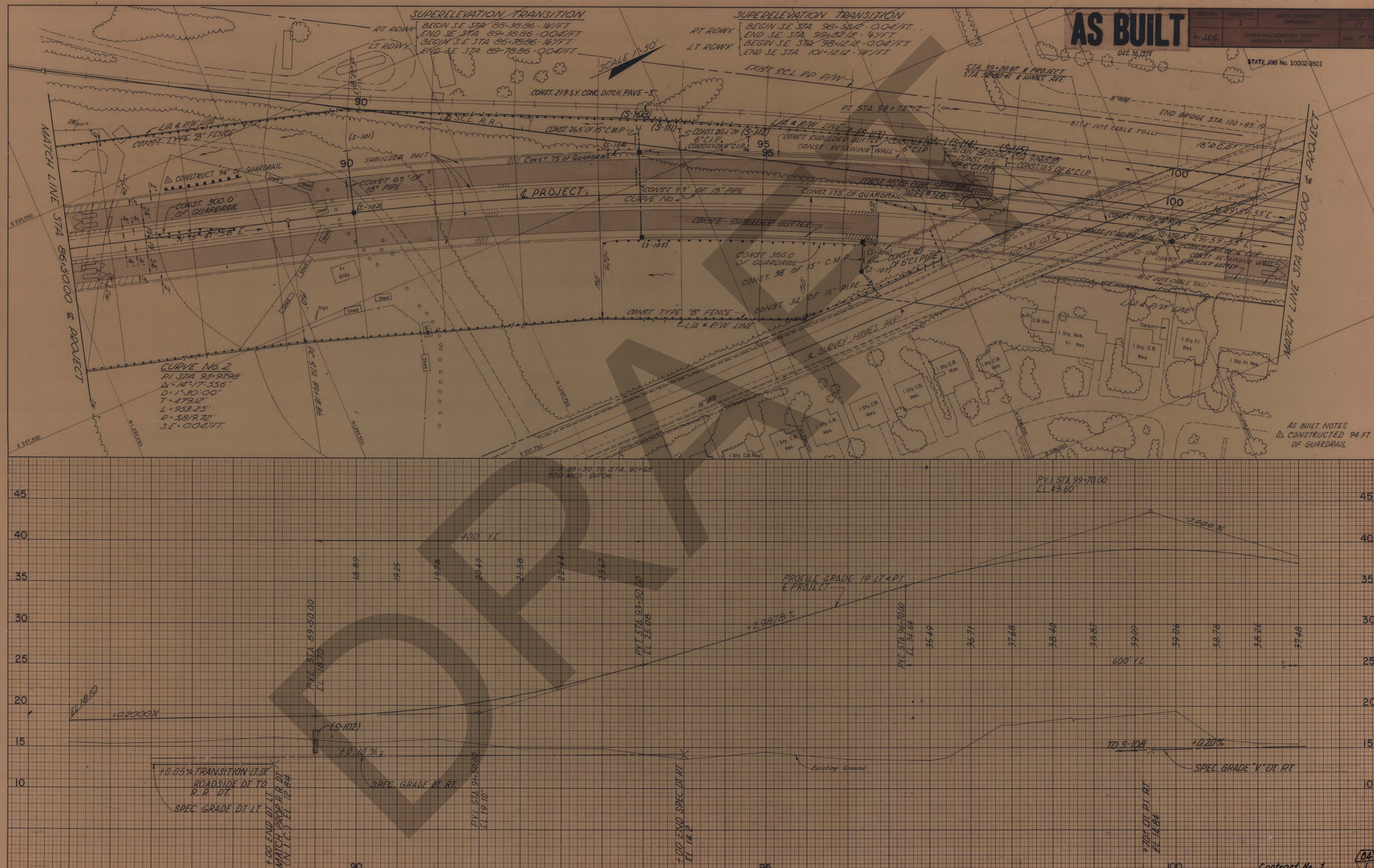
UTILITY OWNERS

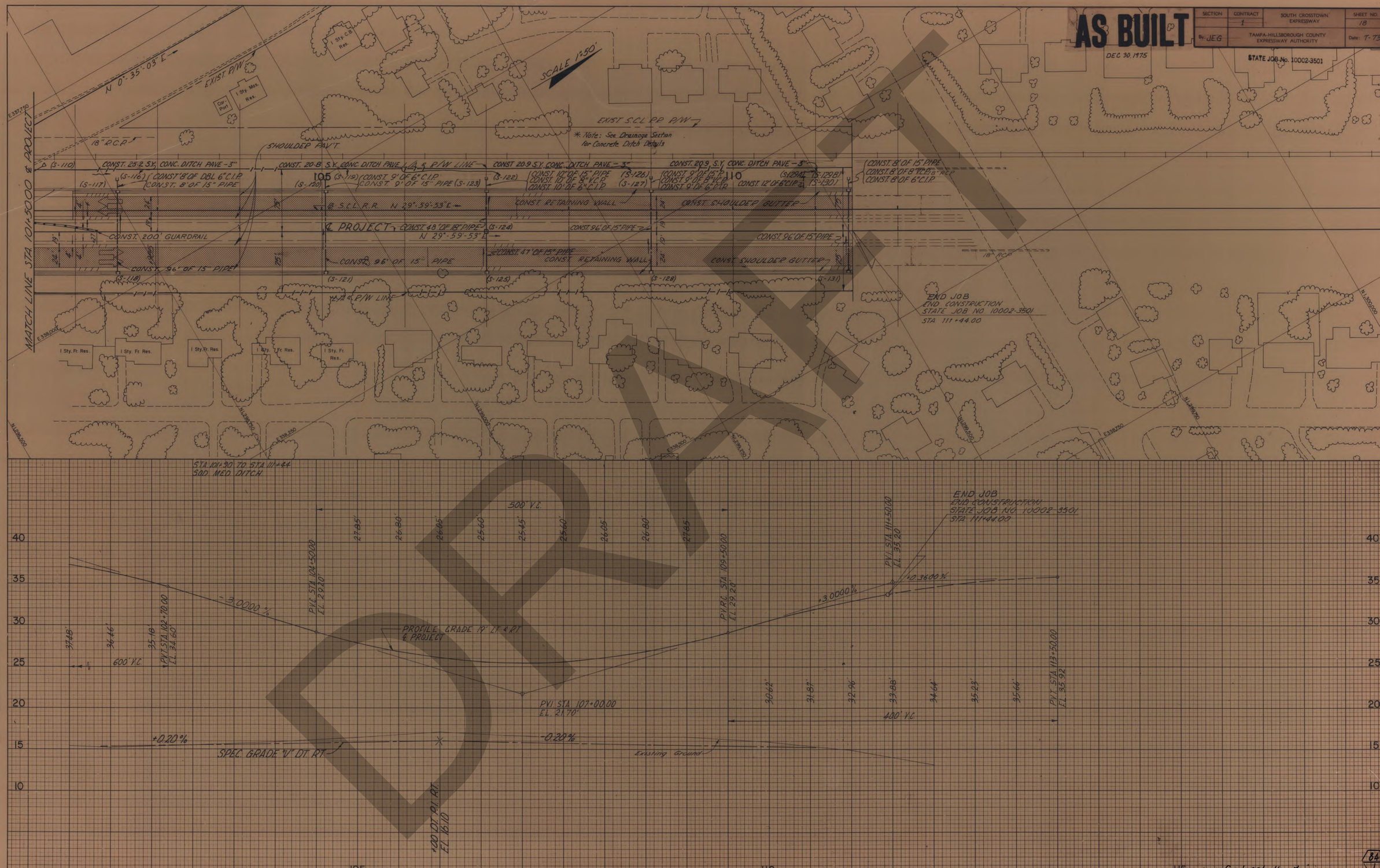
1. TAMPA ELECTRIC CO.
2. PEOPLE'S GAS CO.
3. GENERAL TELEPHONE CO.
4. CITY OF TAMPA WATER DEPT.
5. CITY OF TAMPA FIRE DEPT.
6. CITY OF TAMPA SANITARY SEWER

AS BUILT


AS BUILT
DEC 30, 1975
SECTION
CONTRACT
1
SOUTH CROSSTOWN EXPRESSWAY
SHEET NO.
16
By: J.E.G.
TAMPA-HILLSBOROUGH COUNTY EXPRESSWAY AUTHORITY
Date: 7-73
STATE JOB No. 10002-3501
SCALE: 1" = 50'
CURVE No. 1
P.I. STA. 74+82.21
Δ = 14°-17'-55.6"
D = 1°-00'-00"
T = 718.67
L = 1,429.88'
R = 5,729.58
S.E. = 0.03'/FT.
L/A & R/W LINE
CONST TYPE "B" FENCE
MATCH LINE STA 71+50.00 ℄ PROJECT
MATCH LINE STA 86+50.00 ℄ PROJECT
CONS'T SHOULDER GUTTER
CONST 28.2' OF 15" C.M.P.
CONST 70' OF 18" PIPE
CONST 1725.0' OF GUARDRAIL
SHOULDER PAV'T
CONST. 89' OF 30" PIPE
CONST. 33' OF 30" PIPE
DELETED
℄ PROJECT
CURVE #1
N 15°-41'-58"E
N 19°-29'-16"E
LINE "D"
CONST. 87' OF 18" PIPE
50:1 TAPER
CONST 84' OF 30" PIPE
CURVE #2-D
CONST TYPE "B" FENCE
R/W & L/A LINE
L/A & R/W LINE
SUPERELEVATION TRANSITION
RT. RDWY. BEGIN SE. STA. 81+43.42 - 0.03'/FT.
END SE. STA. 83+93.42 - 1/4"/FT.
LT. RDWY. BEGIN SE. STA. 81+83.42 - 0.03'/FT.
END SE. STA. 82+33.42 - 1/4"/FT.
AS BUILT NOTES
DELETD PAVED DITCH
600' V.C.
EL. 20.50'
+0.50%
SP. DT. LT. LINE "D"
+0.10%
SPEC. GRADE DT. RT. 5' BOT.
+40 BEGIN SPEC. DT. RT. AT EXIST. GROUND EL. 11.35±
PVT STA 76+00.00 EL. 16.00'
+00 END SPEC. DT. RT. AT EXIST. GROUND EL. 11.6±
+0.2000%
PROFILE GRADE 19' LT & RT ℄ PROJECT
Existing Ground
+0.05%
SPEC. GRADE DT. LT.
+0.10%
+30 BEGIN SPEC. DT. RT. EL. 13.43
PAVED DT. LT. STD. BOT. & SIDE SLOPES
SPEC. DT. LT. BOT. VARIES SIDE SLOPS VARY - MAX. 2:1
Contract No. 1
84
1

DRAFT


AS BUILT
DEC 30 1975
SECTION
CONTRACT 1
SOUTH CROSSTOWN EXPRESSWAY
SHEET NO. 17
By: J.E.G.
TAMPA-HILLSBOROUGH COUNTY EXPRESSWAY AUTHORITY
Date: 7-73
STATE JOB No. 10002-3501
SUPERELEVATION TRANSITION
RT. RDWY. BEGIN S.E. STA. 88+38.86 - 1/4"/FT.
END S.E. STA. 89+38.86 - 0.04"/FT.
LT. RDWY. BEGIN S.E. STA. 86+78.86 - 1/4"/FT.
END S.E. STA. 89+78.86 - 0.04"/FT.
SUPERELEVATION TRANSITION
RT. RDWY. BEGIN S.E. STA. 98+52.12 - 0.04"/FT.
END S.E. STA. 99+52.12 - 1/4"/FT.
LT. RDWY. BEGIN S.E. STA. 98+12.12 - 0.04"/FT.
END S.E. STA. 101+12.12 - 1/4"/FT.
SCALE 1"=50'
EXIST. S.C.L. R.R. R/W
STA. 99+20.87 ℄ PROJECT
STA. 52+50.41 ℄ HIMES AVE.
CONST. 21.9 S.Y. CONC. DITCH PAVE - 3"
PT. STA. 98+72.12
END BRIDGE STA. 100+85.19
BT (2" JUTE CABLE TOLL)
18" R.C.P.
MATCH LINE STA. 86+50.00 ℄ PROJECT
MATCH LINE STA. 101+50.00 ℄ PROJECT
L/A & R/W LINE
CONST. TYPE "B" FENCE
CONST. 26.5' OF 15" C.M.P.
CONST. 20.1' OF 6" C.I.P.
CONST. 11.2' OF 6" C.I.P.
CONST. 10.5' OF 6" C.I.P.
CONST. SHOULDER GUTTER
CONST. RETAINING WALL
CONST. 75' OF GUARDRAIL
CONSTRUCT 94' OF GUARDRAIL
CONST. 65' OF 18" PIPE
CONST. 300.0' OF GUARDRAIL
℄ PROJECT
CONST. 99' OF 15" PIPE
CURVE No. 2
CONST. 175' OF GUARDRAIL
CONST. 55' OF CONC. SPILLWAY INDEX # 5081
CONST. 350.0' OF GUARDRAIL
CONST. 38' OF 15" C.M.P.
CONST. 40' OF 6" C.I. PIPE
CONST. 32' OF 15" PIPE
CONST. TYPE "B" FENCE
℄ SURVEY HIMES AVE.
CURVE No. 2
P.I. STA. 93+97.98
Δ = 14°-17'-55.6"
D = 1°-30'-00"
T = 479.12'
L = 953.25'
R = 3,819.72'
S.E. = 0.04"/FT.
PC STA. 89+18.86
AS BUILT NOTES
△ CONSTRUCTED 94 FT OF GUARDRAIL
STA. 89+50 TO STA. 97+65 SOD MED. DITCH
P.V.I. STA. 99+70.00
EL. 43.60'
400' V.C.
PROFILE GRADE 19' LT. & RT. ℄ PROJECT
+2.9878%
-3.000%
P.V.C. STA. 89+50.00 EL. 18.70
P.V.T. STA. 93+50.00 EL. 25.08
P.V.C. STA. 96+70.00 EL. 34.64
600' V.C.
EL. 18.10
+0.2000%
(S-102)
+0.10%
+0.20%
TO S-108
+0.05% TRANSITION LT. DT.
ROADSIDE DT. TO R.R. DT.
SPEC. GRADE DT. LT.
SPEC. GRADE DT. RT.
SPEC. GRADE "V" DT. RT.
Existing Ground
+00 END DT. LT. MATCH PROP. R.R. DT. (N.I.C.) EL. 12.84
P.V.I. STA. 91+50.00 EL. 19.10'
+00 END SPEC. DT. RT. EL. 14.2
+70± DT. P.I. RT. EL. 14.84
Contract No. 1
84/1
FINAL SURVEY
ORIGINAL SURVEY
NOTE BOOK
NO.
SURVEYED
PLOTTED
TEMPLATE
AREAS
AREAS CHECKED
BY
DATE

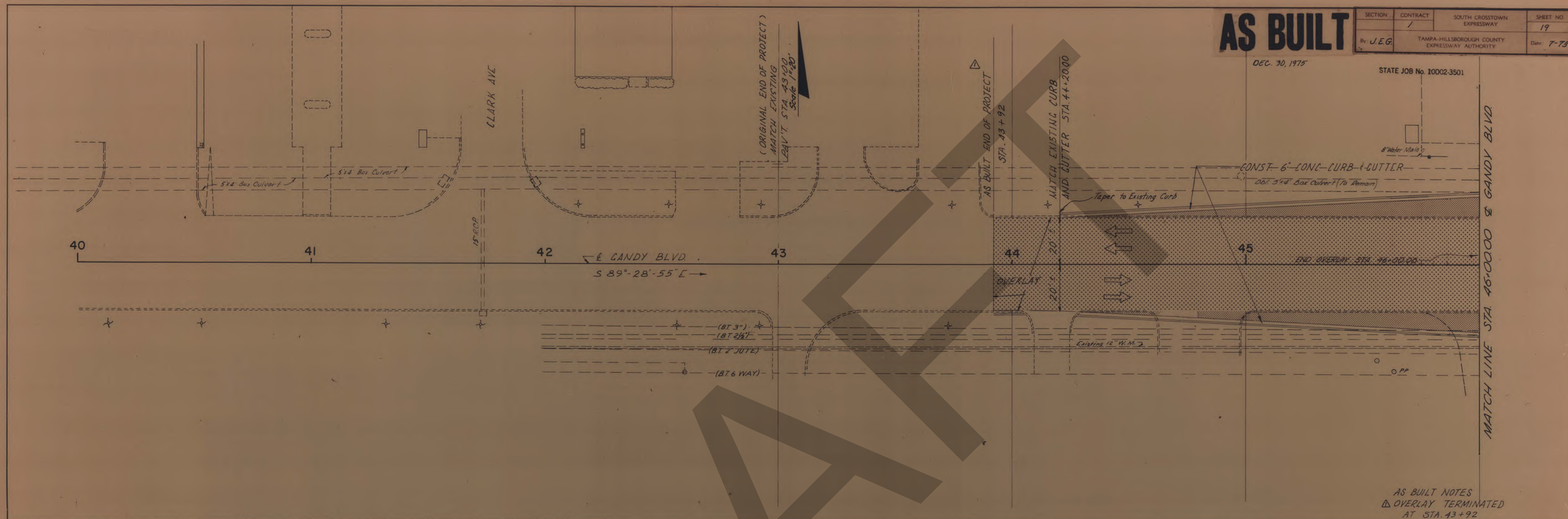

AS BUILT
DEC 30, 1975
SECTION
CONTRACT 1
SOUTH CROSSTOWN EXPRESSWAY
SHEET NO. 18
By: JEG
TAMPA-HILLSBOROUGH COUNTY EXPRESSWAY AUTHORITY
Date: 7-73
STATE JOB No. 10002-3501
SCALE 1"=50'
N 0°-35'-03" E
EXIST. R/W
EXIST. S.C.L. P.P. R/W
* Note: See Drainage Section for Concrete Ditch Details
SHOULDER PAV'T.
18" R.C.P.
CONST. 25.2 S.Y. CONC. DITCH PAVE -3"
CONST. 20.8 S.Y. CONC. DITCH PAVE
CONST. 20.9 S.Y. CONC. DITCH PAVE -3"
CONST. 8' OF DBL 6" C.I.P.
CONST. 8' OF 15" PIPE
CONST. 9' OF 6" C.I.P.
CONST. 9' OF 15" PIPE
CONST. 10' OF 15" PIPE
CONST. 10' OF 8" V.C.P.
CONST. 10' OF 6" C.I.P.
CONST. 9' OF 15" P.
CONST. 9' OF 8" V.C.P.
CONST. 9' OF 6" C.I.P.
CONST. 12' OF 6" C.I.P.
CONST. 8' OF 15" PIPE
CONST. 8' OF 8" V.C.P.
CONST. 8' OF 6" C.I.P.
105
110
℄ S.C.L. R.R. N 29°-59'-53" E
CONST. RETAINING WALL
CONST. SHOULDER GUTTER
℄ PROJECT
CONST. 48' OF 18" PIPE
N 29°-59'-53" E
CONST. 96' OF 15" PIPE
CONST. 200' GUARDRAIL
CONST. 96' OF 15" PIPE
CONST. 47' OF 15" PIPE
CONST. RETAINING WALL
CONST. SHOULDER GUTTER
CONST. 96' OF 15" PIPE
MATCH LINE STA. 101+50.00 ℄ PROJECT
END JOB
END CONSTRUCTION
STATE JOB NO. 10002-3501
STA. 111+44.00
STA. 101+90 TO STA. 111+44
SOD MED. DITCH
500' V.C.
27.85'
26.80'
26.05'
25.60'
25.45'
25.60'
26.05'
26.80'
27.85'
PVC STA. 104+50.00
EL. 29.20'
PVRC STA. 109+50.00
EL. 29.20'
PVI STA. 111+50.00
EL. 35.20'
END JOB
END CONSTRUCTION
STATE JOB NO. 10002-3501
STA. 111+44.00
-3.0000%
+3.0000%
+0.3600%
37.48'
36.46'
35.18'
PVT STA. 102+70.00
EL. 34.60'
600' V.C.
PROFILE GRADE 19' LT. & RT. ℄ PROJECT
PVI STA. 107+00.00
EL. 21.70'
30.62'
31.87'
32.96'
33.88'
34.64'
35.23'
35.66'
PVT STA. 113+50.00
EL. 35.92'
400' V.C.
+0.20%
-0.20%
SPEC. GRADE "V" DT. RT.
Existing Ground
+00 DT. P.I. RT.
EL. 16.10
40
35
30
25
20
15
10
105
110
115
Contract No. 1
84
1
DRAFT

AS BUILT

SECTION	CONTRACT	SOUTH CROSSTOWN EXPRESSWAY	SHEET NO.
	1		19
By: J.E.G.		TAMPA-HILLSBOROUGH COUNTY EXPRESSWAY AUTHORITY	Date: 7-73

DEC. 30, 1975

STATE JOB No. 10002-3501



AS BUILT NOTES
△ OVERLAY TERMINATED AT STA. 43+92



Contract No. 1

84
1

DRAFT

FINAL SURVEY — NOTE BOOK — NO. — SURVEYED — PLOTTED — TEMPLATE — AREAS — AREAS CHECKED — BY — DATE

ORIGINAL SURVEY — NOTE BOOK — NO. — SURVEYED — PLOTTED — TEMPLATE — AREAS — AREAS CHECKED — BY — DATE

AS BUILT
DEC. 30, 1975

SECTION	CONTRACT	SOUTH CROSSTOWN EXPRESSWAY	SHEET NO.
	1		20
By J.E.G.		TAMPA-HILLSBOROUGH COUNTY EXPRESSWAY AUTHORITY	Date 7-73

STATE JOB No. 10002-3501

Scale 1"=20'

MATCH LINE STA. 46+00.00 ℄ GANDY BLVD.

MATCH LINE STA. 52+00.00 ℄ GANDY BLVD.

18"Ø C.P.

45' TRANSITION FROM EXIST. DBL 5'x4' BOX CULVERT TO PROP. 10'x4' BOX CULVERT

CONSTRUCT 6' CONC. CURB & GUTTER

CONST. 615.5' OF 10'x4' BOX CULVERT

224 Box Culvert (To be Removed)

CONST. 3' OF 15" PIPE

CONST. 62' OF 15" PIPE

(S-1) (S-2A)

(BT 2" JUTE) (BT 6 WAY) (BT 3"P) (BT 26"LF)

CONST. 6" CONC. CURB & GUTTER

RETURN No. 5

30" Sign Poles

50' R

CONST. 32' OF 24" PIPE

CONST. TYPE 'E' CONC. CURB & GUTTER

℄ CHURCH ST. N 29°-59'-53"E

55' R

15.01' +90.18

19.50' +16.16

+81.64

19.50' +69.78

47 48 49

(8" Water Main)

(BT 15"LF)

STA. 49+13.85 ℄ GANDY BLVD.
STA. 10+00.00 ℄ CHURCH ST.

STA. 50+00.00 ℄ GANDY BLVD.
STA. 50+57.60 ℄ TRAVERSE

RETURN No. 4 (S-2B)

30' R

℄ R.R. TRAVERSE

N 29°-59'-53"E

3' CURB TRANS.

CONST. 6' CONC. CURB & GUTTER

℄ 10'x4' BOX CULVERT

CONST. 16' OF 3'x3' Box Culvert

CONST. TYPE 'E' CONC. CURB & GUTTER

℄ GANDY BLVD. S 89°-28'-55"E

50 51

CONST. 12' OF 24" PIPE

CONST. 72' OF (S) PIPE

CONST. 16' OF 53"x34" ELLIP. PIPE

(S-3) (S-4) (S-5) (S-6)

CONST. RR TRAVERSE TYPE 'E'
FOR ADDITIONAL DETAILS SEE INDEX No. 1466

CONST. ℄ CONC. S/W

3' CURB TRANS.

CONST. 6' CONC. CURB & GUTTER

CURVE NO. 4-A

CONST. 18" PIPE

143.65'

(S-7)

CONST. ℄ CONC. S/W

(BT 15"LF) (BT 3"P)

(BT 15"LF)

(BT 34"LF)

(BT 2"P)

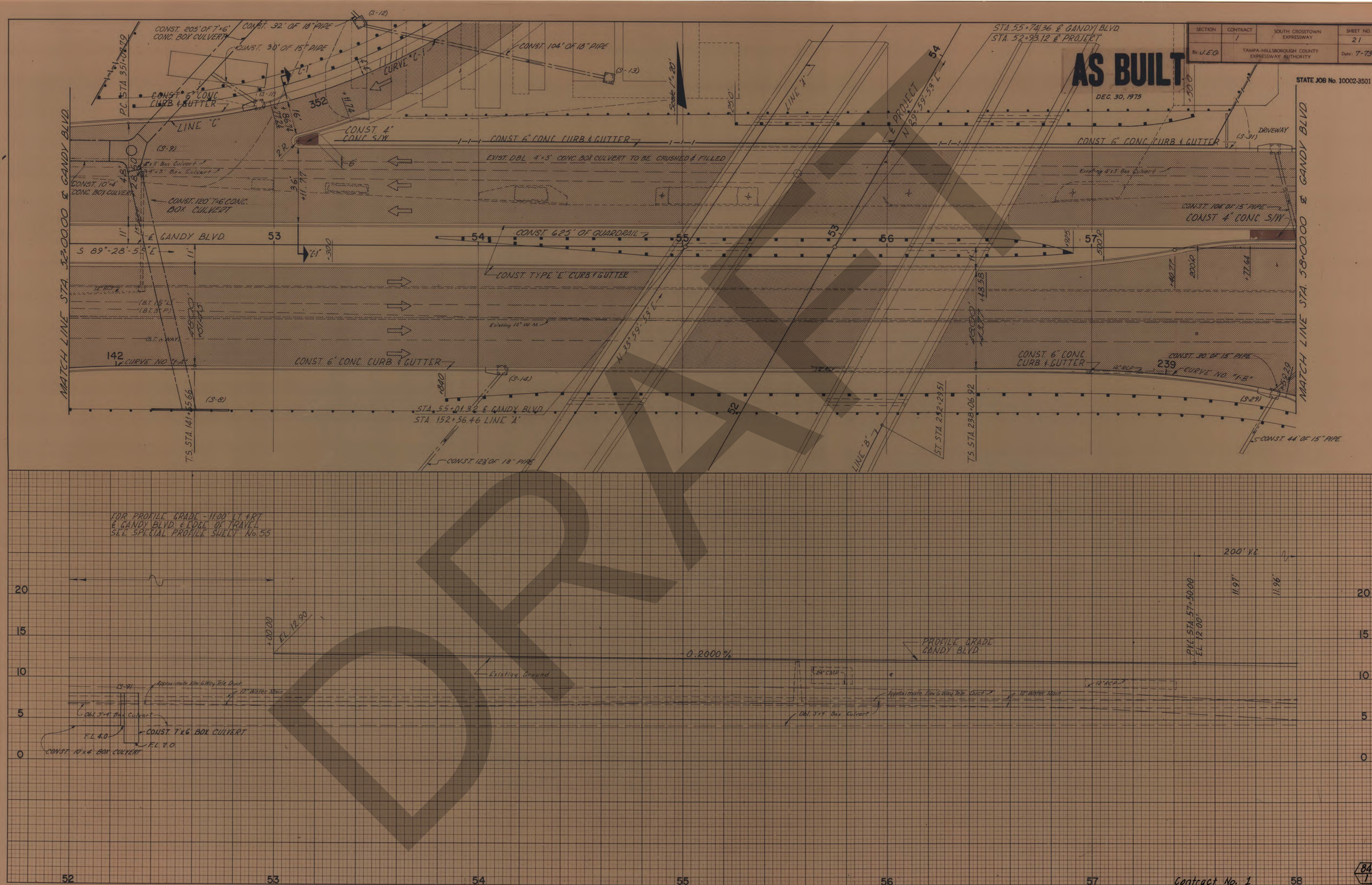
(BT 2"LF)

(BT 6"LF)

(BT 15"LF)

(BT 15"LF)

(BT 15



FINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
NO.	TEMPLATE		
	AREAS		
	AREAS CHECKED		

ORIGINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
NO.	TEMPLATE		
	AREAS		
	AREAS CHECKED		

DRAFT

AS BUILT

DEC. 30, 1975

SECTION	CONTRACT	SOUTH CROSSTOWN EXPRESSWAY	SHEET NO.
	1		22
By: J.E.G.		TAMPA-HILLSBOROUGH COUNTY EXPRESSWAY AUTHORITY	Date: 7-73

STATE JOB No. 10002-3501

MATCH LINE STA. 58+00.00 & GANDY BLVD.

MATCH LINE STA. 64+00.00 & GANDY BLVD.

Scale 1"=20'

EXIST. STORM LINE

JUNCTION BOX

206' DRIVEWAY

CONST. 6" CONC. CURB & GUTTER

CONST. 27' OF 15" PIPE

CONST. TYPE "E" CURB & GUTTER

CONST. 2' CONC. S/W

RETURN No. 3

EXIST. 12' 6" VCP

CONST. 34' OF 18" PIPE

ADDED 119' 15" RCP

CONST. 4' CONC. S/W

CONST. TYPE "E" CURB & GUTTER

CONST. 6" CONC. CURB & GUTTER

CONST. 4" CONC. S/W

CONST. TYPE "E" CURB & GUTTER

CONST. 4' CONC. S/W

CONST. TYPE "E" CURB & GUTTER

CURVE A = 1"=B" LINE B = 2

CONST. 4' CONC. S/W

CONST. TYPE "E" CURB & GUTTER

CONST. 4" CONC. S/W

CONST. 44' OF 30" PIPE

CONST. 48" PIPE

CONST. 30" PIPE

CONST. 36' OF 15" PIPE

RETURN No. 1

CONST. 286' OF 48" PIPE

CONST. 6" CONC. CURB & GUTTER

Driveway

E DALE MABRY AVE.

STA. 60+76.25 E CANDY BLVD.
STA. 100+00.00 E DALE MABRY
85'R

E CANDY BLVD.
S 89°-28'-33"E

CONST. 4" CONC. S/W

CONST. TYPE "E" CURB & GUTTER

CONST. 6" CONC. CURB & GUTTER

RETURN No. 2

CONST. TYPE "E" CURB & GUTTER

CONST. 4" CONC. S/W

CONST. 48" PIPE

CONST. 24" RCP

CONST. 18" PIPE N.

CONST. 48" PIPE

Existing 12" W.M.

Existing 48" RCP

Existing 8" W.M.

Existing 20" W.M.

Existing 6" W.M.

Existing 4" W.M.

Existing 3'-3" Box Culvert

Existing 4'-3" Box Culvert

Existing 4'-3" Box Culvert

Existing 3'-3" Box Culvert

Existing 4'-3" Box Culvert

Existing 15" RCP

Existing 12" Water Main

Approximate Elev. & Way Tele Duct

Existing 20" Water Main

Approximate Elev. & Way Tele Duct

Existing 28" Gas Main

AS BUILT NOTES
⚠ ADDED 119' 15" R.C.P.
(12' OF 6" VCP
INCLUDED IN COST
OF 15" PIPE)

⚠ RELOCATED SYSTEM
FROM S-34 TO S-36

PROFILE GRADE CANDY BLVD

200' V.C.

300' V.C.

22' V.C.

PVI STA 59+50.00
EL. 12.57

PVI STA 60+39.25
EL. 13.26

PVI STA 60+74.25
EL. 13.61

PVI STA 61+75.00
EL. 12.61

PVI STA 58+36.00
EL. 11.80

PVI STA 63+85.00
EL. 11.12

+1.0000 %

-1.0000 %

+0.7714 %

FL. T.O

FL. 2.95

FL. 3.1

200' SPECIAL GUTTER PROFILE LT. & RIGHT

58 59 60 61 62 63 64

Contract No. 1

84/1

FINAL SURVEY — SURVEYED PLOTTED NOTE BOOK TEMPLATE AREAS MASS CHECKED NO. BY DATE

ORIGINAL SURVEY — SURVEYED PLOTTED NOTE BOOK TEMPLATE AREAS MASS CHECKED NO. BY DATE

AS BUILT

DEC. 30, 1975

SECTION	CONTRACT	SOUTH CROSSTOWN EXPRESSWAY	SHEET NO.
	1		2.3
By J.E.C.	TAMPA-HILLSBOROUGH COUNTY EXPRESSWAY AUTHORITY		Date 7-73

STATE JOB No. 10002-2501

FINAL SURVEY	BY	DATE
SURVEYED		
PLOTTED		
TEMPLATE		
NOTE BOOK		
AREAS		
AREAS CHECKED		
NO.		

Scale 1"=20'

MATCH LINE STA 640000 & GANDY BLVD

(S-41) Driveway — CONST. 6" CONC. CURB & GUTTER — Driveway — Driveway — CONST. 261' OF 48" PIPE — 12" RCP — (S-43) — Driveway 2W 2W — CONST. 102' OF 48" PIPE — Existing 8" W.M. — (S-45) — 3'x3' Box Culvert — 2W 2W — Driveway

(S-40) — Driveway — CONST. 6" CONC. CURB & GUTTER — Driveway — Driveway — Driveway — (S-42) — Driveway Existing 12" W.M. — Driveway — (S-46)

CONST TYPE 'E' CURB & GUTTER — CONST. 24" OF 24" PIPE — 3'x3' Box Culvert — EXISTING BOX CULVERT TO BE CRUSHED & FILLED — CONST. 72' OF 24" PIPE — Existing 6" W.M. — 2"CW — 1W 1W — 2W 1W — 1W 1W — 11W 7W — 2W 1W — 1W 1W — 2W 1W — 7W — (8 T. 6 WAY) — (8 T. 3" P) — (8 T. 2") — (8 T. 4")

65 — 67 — ℄ GANDY BLVD — S 89°-28'-55" E — 68 — 69 — 70 — OVERLAY — 20' — 40'

300.12 — 11' — 11' — 36' — 36' — 75.00 — STA. 68+00

AS BUILT NOTES
△ OVERLAY EXTENDED TO STA. 70+57

△ (ORIGINAL END OF PROJECT) MATCH EXIST. PAVT. AND CURB & GUTTER STA. 70+14.93

AS BUILT END OF PROJECT STA. 70+57

ORIGINAL SURVEY	BY	DATE
SURVEYED		
PLOTTED		
TEMPLATE		
NOTE Book		
AREAS		
AREAS CHECKED		
NO.		

300' V.C.

11.38 — 11.37' — 11.37' — 11.39

PVI STA 64+75.00 — EL. 11.65'

EL. 11.42'

(S-41) Approximate Elec. & Way Tele. Duct — 12" Water Main — 8" Gas Main — 4" Gas Main — CONST. 24" PIPE S. — CONST. 48" PIPE — 3'x3' Box Culvert — (S-39) — 2" Water Main — 8" Gas Main — CONST. 24" PIPE S. — CONST. 48" PIPE — (S-44) — Existing Ground — 3'x3' Box Culvert — EL. 12.53' — ℄ Approximate Elec. & Way Tele. Duct

PROFILE GRADE GANDY BLVD. — +0.2000 %

F.L. 3.6 — F.L. 4.3 — F.L. 4.0 — F.L. 4.8 — F.L. 4.2

+0.00 EL. 10.28 — +25.00 EL. 10.85 (LIMIT) — +50.00 EL. 10.92 — +75.00 EL. 10.92 — P.C. SHIFTS INTO ℄ GANDY BLVD.

100' SPECIAL GUTTER PROFILE LEFT & RIGHT

64 — 65 — 66 — 67 — 68 — 69 — 70

20 — 15 — 10 — 5 — 0

Contract No. 1

84/1

DRAFT

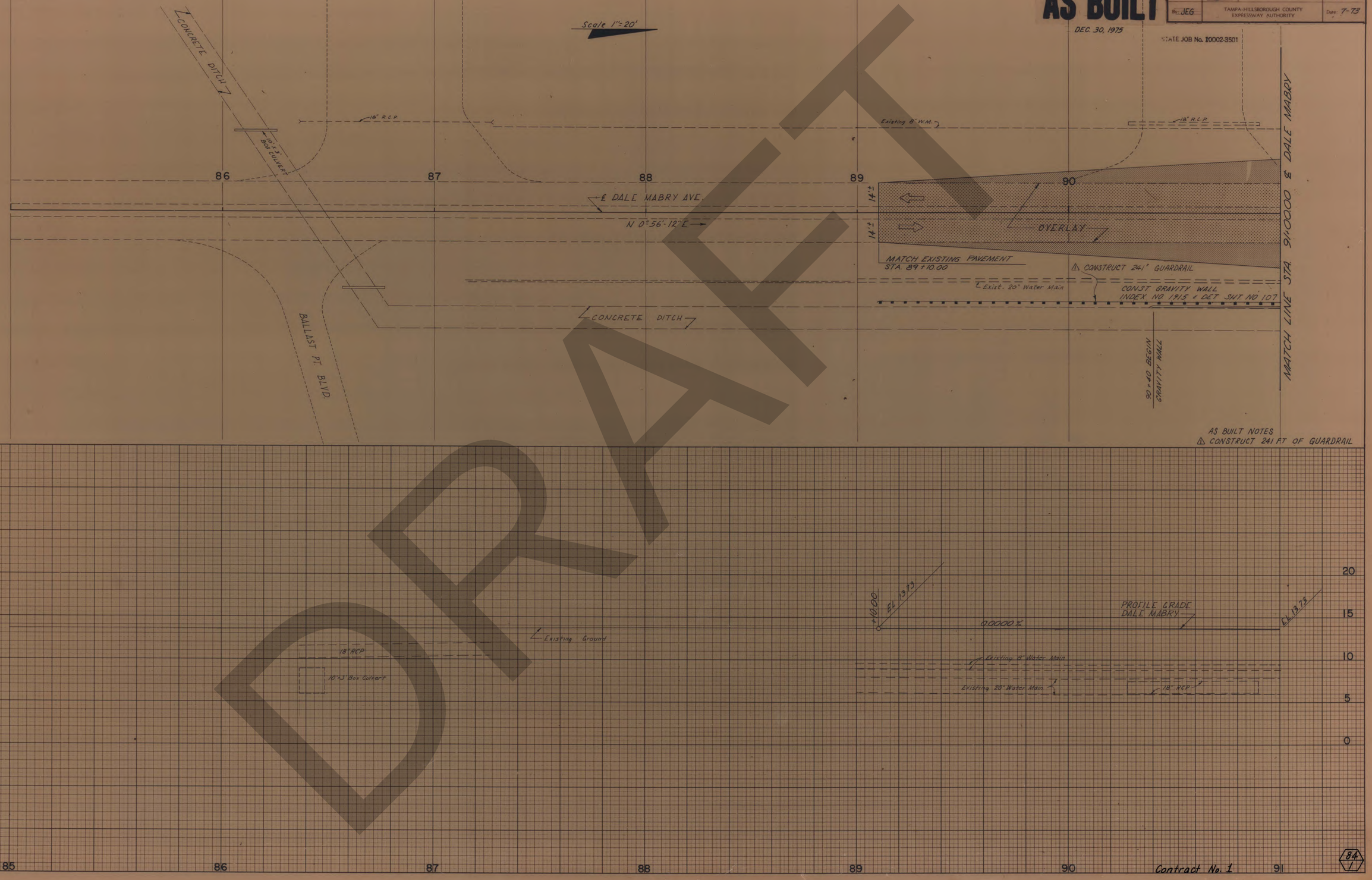
AS BUILT

DEC. 30, 1975

SECTION	CONTRACT	SOUTH CROSSTOWN EXPRESSWAY	SHEET NO.
	1		24
By: JEG		TAMPA-HILLSBOROUGH COUNTY EXPRESSWAY AUTHORITY	Date: 7-73

STATE JOB No. 10002-3501

Scale 1"=20'



AS BUILT NOTES
⚠ CONSTRUCT 241 FT OF GUARDRAIL

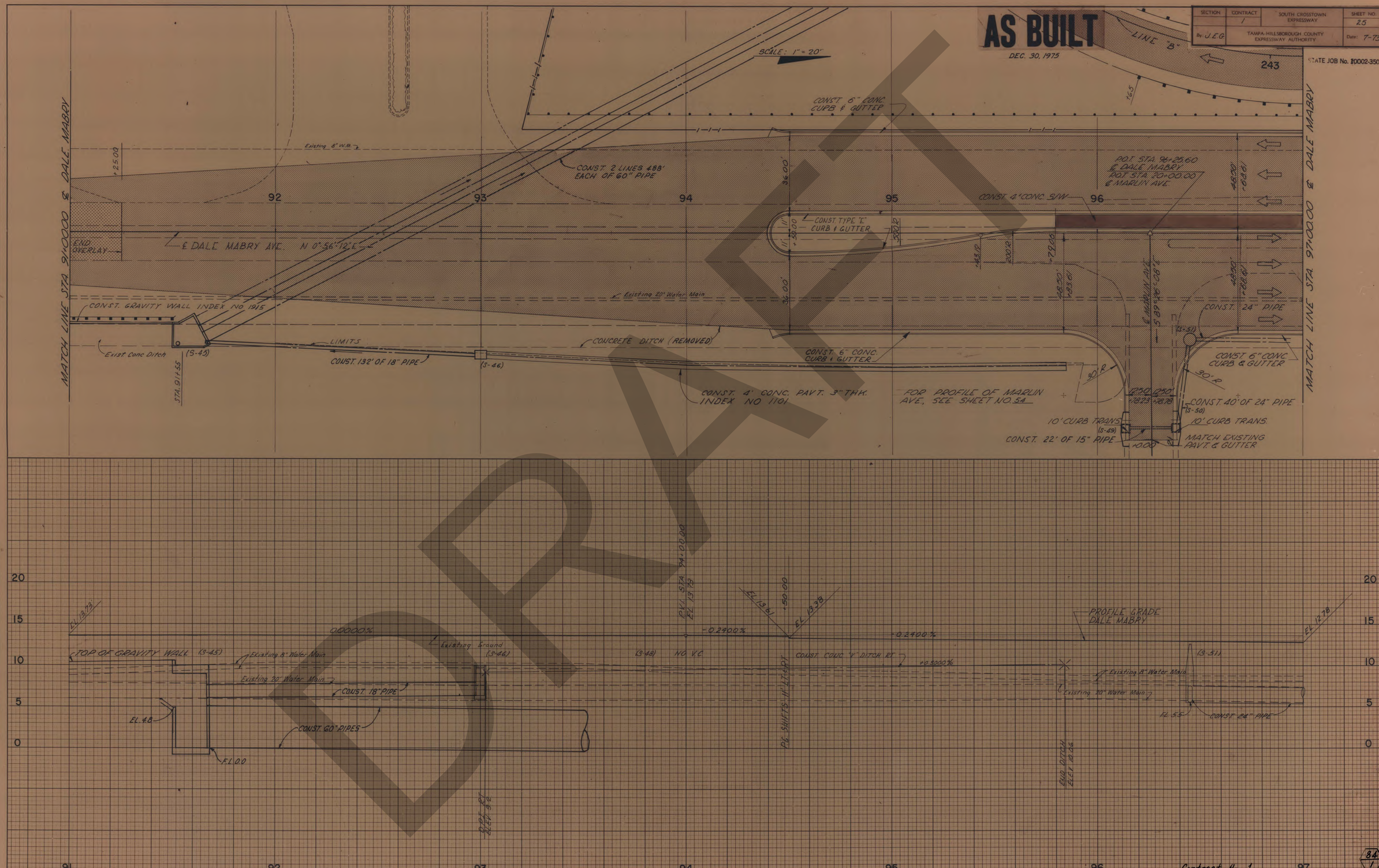
Contract No. 1

84

FINAL SURVEY — NOTE BOOK — NO. — SURVEYED — PLOTTED — TEMPLATE — AREAS — AREAS CHECKED — BY — DATE

ORIGINAL SURVEY — NOTE BOOK — NO. — SURVEYED — PLOTTED — TEMPLATE — AREAS — AREAS CHECKED — BY — DATE

DRAFT

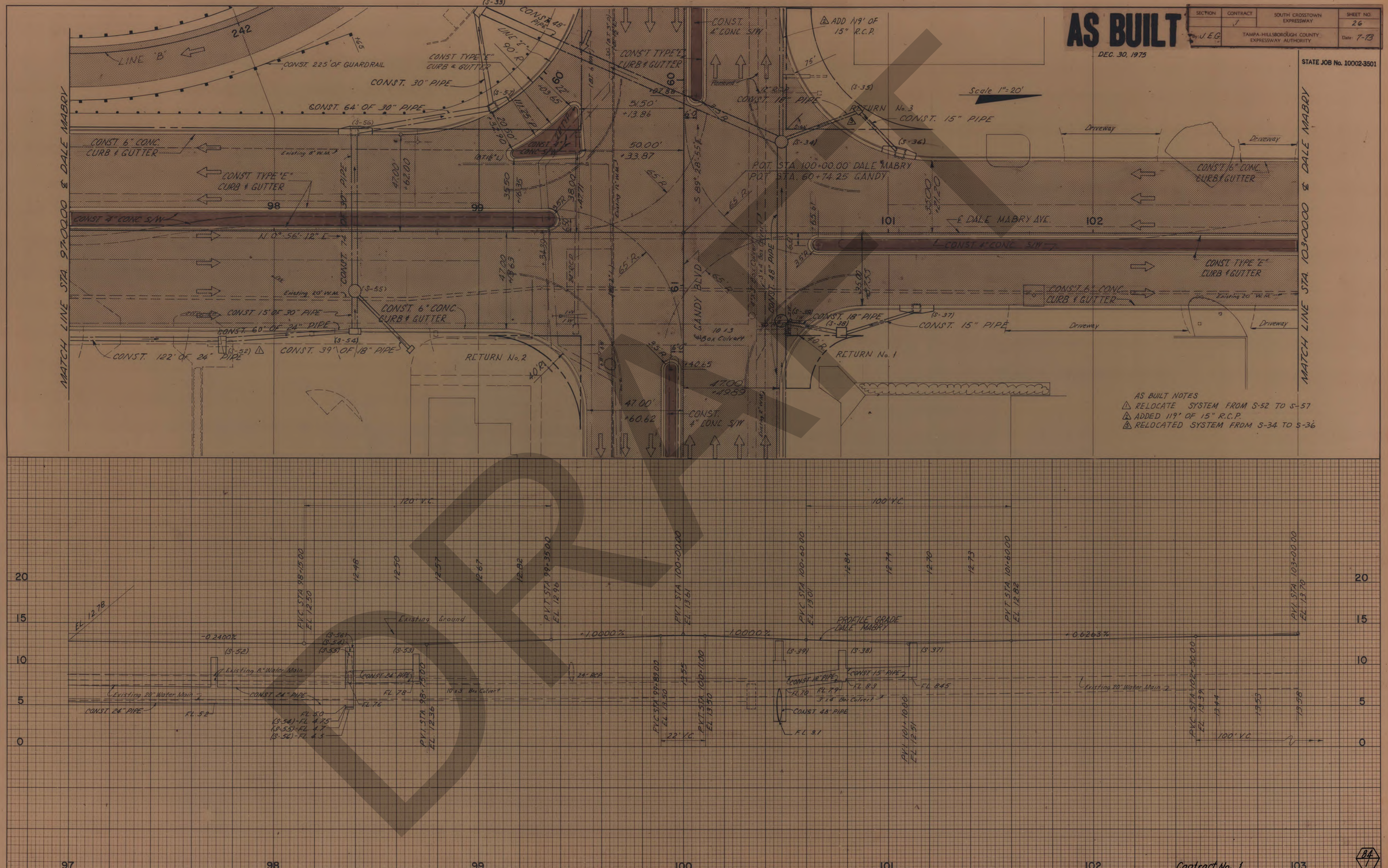

AS BUILT
DEC. 30, 1975
SECTION
CONTRACT
1
SOUTH CROSSTOWN EXPRESSWAY
SHEET NO.
25
By: J.E.G.
TAMPA-HILLSBOROUGH COUNTY EXPRESSWAY AUTHORITY
Date: 7-73
STATE JOB No. 10002-3501
SCALE: 1" = 20'
LINE "B"
243
CONST. 6" CONC. CURB & GUTTER
Existing 8" W.M.
CONST. 2 LINES 488' EACH OF 60" PIPE
P.O.T. STA. 96+25.60 ℄ DALE MABRY
P.O.T. STA. 20+00.00 ℄ MARLIN AVE.
CONST. 4" CONC. S/W
CONST. TYPE "E" CURB & GUTTER
END OVERLAY
℄ DALE MABRY AVE. N 0°-56'-12" E
Existing 20" Water Main
CONST. GRAVITY WALL INDEX NO 1915
CONST. 24" PIPE
LIMITS
CONCRETE DITCH (REMOVED)
Exist. Conc. Ditch
(S-45)
CONST. 132' OF 18" PIPE
(S-46)
CONST. 6" CONC. CURB & GUTTER
CONST. 6" CONC. CURB & GUTTER
CONST. 4' CONC. PAVT. 3" THK. INDEX NO 1101
FOR PROFILE OF MARLIN AVE., SEE SHEET NO. 54
CONST. 40' OF 24" PIPE
10' CURB TRANS.
10' CURB TRANS.
CONST. 22' OF 15" PIPE
MATCH EXISTING PAVT. & GUTTER
MATCH LINE STA. 91+00.00 ℄ DALE MABRY
MATCH LINE STA. 97+00.00 ℄ DALE MABRY
92
93
94
95
96
FINAL SURVEY
NOTE BOOK
NO.
SURVEYED
PLOTTED
TEMPLATE
AREAS
AREAS CHECKED
BY
DATE
ORIGINAL SURVEY
NOTE BOOK
NO.
SURVEYED
PLOTTED
TEMPLATE
AREAS
AREAS CHECKED
BY
DATE
EL. 13.73
0.0000%
P.V.I. STA. 94+00.00
EL. 13.73
EL. 13.61
EL. 13.38
-0.2400%
-0.2400%
PROFILE GRADE DALE MABRY
EL. 12.78
TOP OF GRAVITY WALL
(S-45)
Existing 8" Water Main
Existing Ground
(S-46)
(S-48)
NO V.C.
CONST. CONC. "V" DITCH RT.
+0.5000%
(S-51)
Existing 8" Water Main
Existing 20" Water Main
CONST. 18" PIPE
Existing 20" Water Main
EL. 4.8
CONST. 60" PIPES
F.L. 0.0
P.G. SHIFTS 11' LT. & RT.
END DITCH ELEV. 10.06
F.L. 5.5
CONST. 24" PIPE
20
15
10
5
0
91
92
93
94
95
96
97
Contract No. 1
84
1

AS BUILT

DEC. 30, 1975

SECTION	CONTRACT	SOUTH CROSSTOWN EXPRESSWAY	SHEET NO.
	1		26
By: J.E.G.		TAMPA-HILLSBOROUGH COUNTY EXPRESSWAY AUTHORITY	Date: 7-73

STATE JOB No. 10002-3501



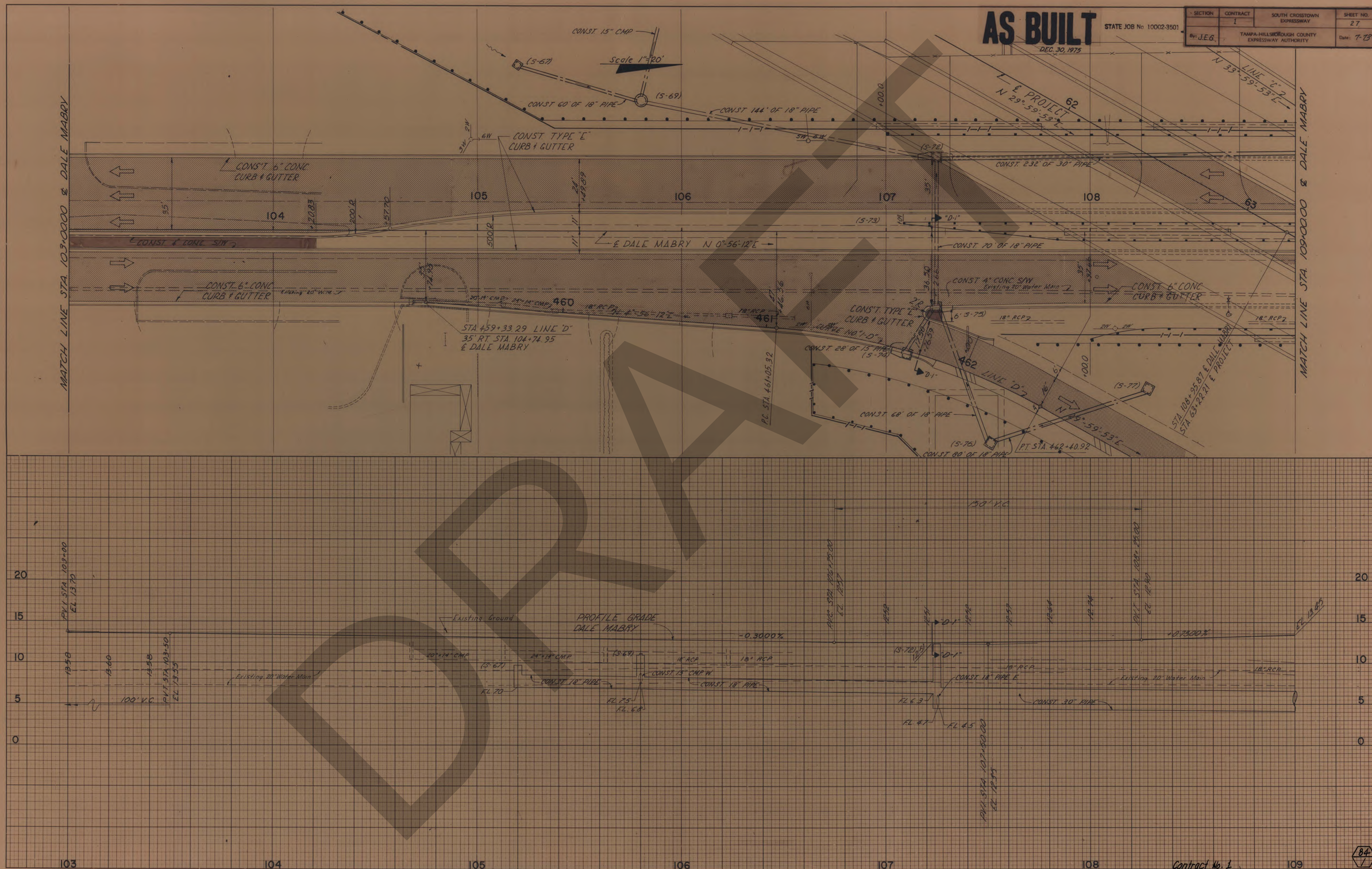
Contract No. 1

84/1

FINAL SURVEY — NOTE BOOK — NO. — SURVEYED — PLOTTED — TEMPLATE — AREAS — AREAS CHECKED — BY — DATE

ORIGINAL SURVEY — NOTE BOOK — NO. — SURVEYED — PLOTTED — TEMPLATE — AREAS — AREAS CHECKED — BY — DATE

DRAFT


AS BUILT
DEC. 30, 1975
STATE JOB No. 10002-3501
SECTION
CONTRACT 1
SOUTH CROSSTOWN EXPRESSWAY
SHEET NO. 27
By: J.E.G.
TAMPA-HILLSBOROUGH COUNTY EXPRESSWAY AUTHORITY
Date: 7-73
MATCH LINE STA. 103+00.00 ℄ DALE MABRY
MATCH LINE STA. 109+00.00 ℄ DALE MABRY
CONST. 15" CMP
Scale 1"=20'
CONST. 60' OF 18" PIPE
CONST. 144' OF 18" PIPE
CONST. TYPE "E" CURB & GUTTER
CONS'T 6" CONC CURB & GUTTER
CONST. 232' OF 30" PIPE
℄ PROJECT N 29°-59'-53"E
LINE "C" N 33°-59'-53"E
℄ DALE MABRY N 0°-56'-12"E
CONST. 70' OF 18" PIPE
CONST. 4" CONC. S/W
CONST. 6" CONC CURB & GUTTER
STA. 459+33.29 LINE "D" 35' RT. STA. 104+74.95 ℄ DALE MABRY
CONST. 28' OF 15" PIPE
CONST. 68' OF 18" PIPE
CONST. 80' OF 18" PIPE
P.C. STA. 461+05.32
P.T. STA. 462+40.92
STA. 108+95.87 ℄ DALE MABRY
STA. 63+22.21 ℄ PROJECT
PROFILE GRADE DALE MABRY
Existing Ground
-0.3000%
+0.7500%
150' V.C.
100' V.C.
CONST. 18" PIPE
CONST. 15" CMP W
CONST. 18" PIPE E
CONST. 30" PIPE
Existing 20" Water Main
Contract No. 1
84

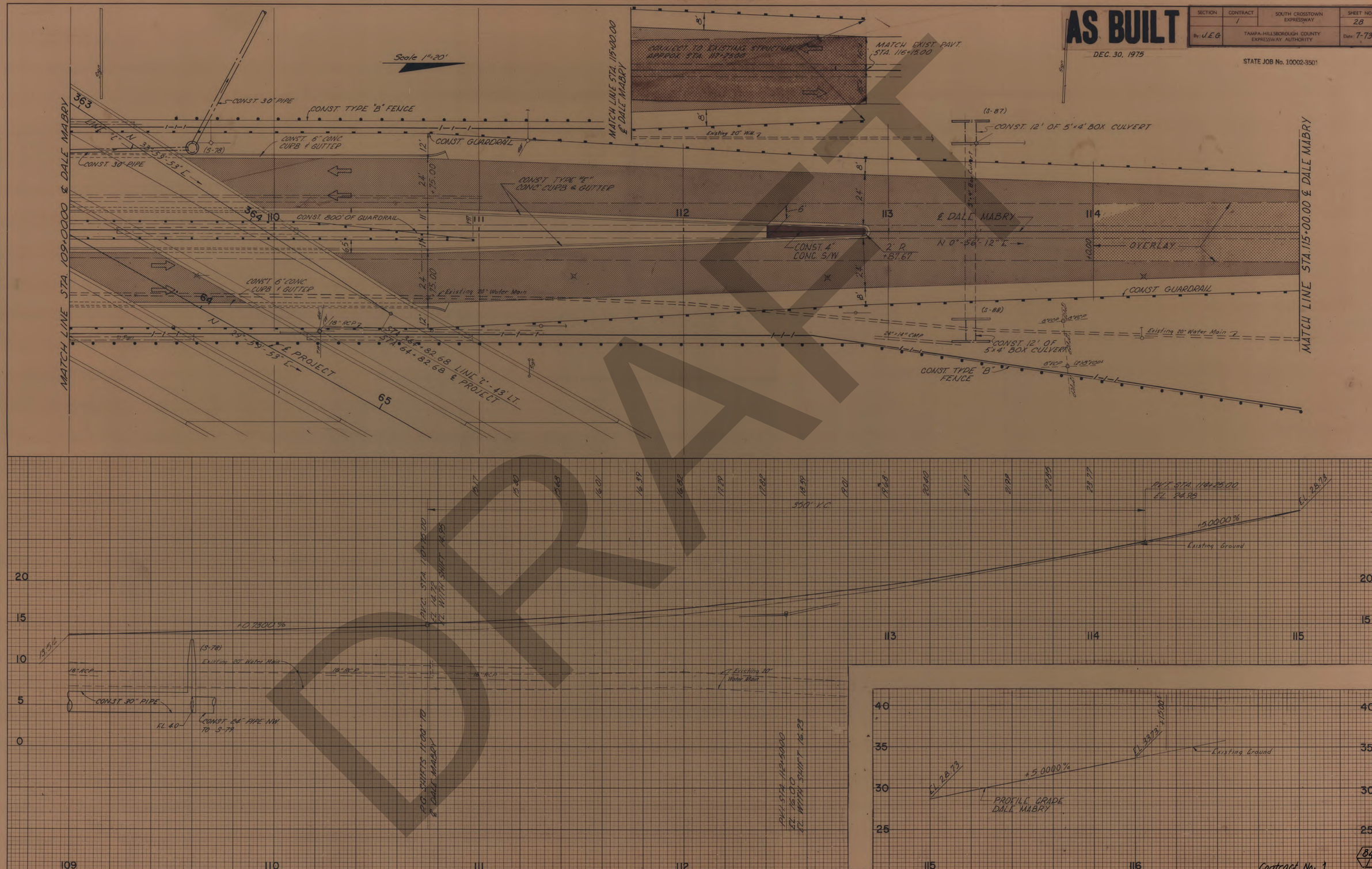
DRAFT

AS BUILT

DEC. 30, 1975

SECTION	CONTRACT	SOUTH CROSSTOWN EXPRESSWAY	SHEET NO.
	1		28
By: J.E.G.		TAMPA-HILLSBOROUGH COUNTY EXPRESSWAY AUTHORITY	Date: 7-73

STATE JOB No. 10002-3501



Contract No. 1

84

FINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
NO.	TEMPLATE		
	AREAS		
	AREAS CHECKED		

ORIGINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
NO.	TEMPLATE		
	AREAS		
	AREAS CHECKED		

DRAFT

AS BUILT

DEC. 30, 1975

SECTION	CONTRACT	SOUTH CROSSTOWN EXPRESSWAY	SHEET NO.
	1		29
By: JEG	TAMPA-HILLSBOROUGH COUNTY EXPRESSWAY AUTHORITY		Date: 7-73

STATE JOB No. 10002-3501

CURVE NO. "1-C"
P.I. STA. 352+43.00
Δ = 48°-31'-12.0"
D = 19°-05'-54.9"
R = 300.0'
L = 254.05
T = 135.20
S.E. = SEE PROFILE

Scale 1"= 50'

N. 1,294,500

E. 335,500

E. 336,500

℄ CHURCH ST.
N 29°-59'-53"E

MATCH EXIST. PAV'T. STA. 1+72.00 ℄ CHURCH ST.

FOR INTERSECTION DETAILS SEE SHEET No. 20

RETURN No. 5

RETURN No. 4

CONST. 24" PIPE

CONST. 10'x4' BOX CULVERT

DBL. 4'x3' BOX CULVT.

DBL. 3'x4' Box Culvert

CONST. 7'x6' BOX CULVT.

S 89°-28'-55" E

CONST. 18" PIPE

CONST. 15" PIPE

CONST. 48" PIPE

CONST. 30" PIPE

CONST. 24" PIPE

CONST. 8" PIPE

CONST. 96" OF 18" PIPE

CONST. 10' BOX ST. DITCH W/2:1 SIDE SLOPES

CONST. SHOULDER GUTTER

SHOULDER PAVT.

CONST. 304' OF 15" C.M.P.

CONST. 32' OF 15" C.M.P.

CONST. 300' OF GUARDRAIL

CONST. 5250' OF GUARDRAIL

CONST. 225' OF GUARDRAIL

CONST. 435' OF GUARDRAIL

CONST. 581.5' OF GUARDRAIL

CONST. 165' OF GUARDRAIL

CONST. 290' OF 7'X6' BOX CULVT.

CONST. 1500' OF GUARDRAIL

CONST. 5750' OF GUARDRAIL

CONST. 4750' OF GUARDRAIL

CONST. 49.5' OF 15" C.M.P.

CONST. 38' OF 15" C.M.P.

CONST. 2 LINES 480' EACH OF 60" PIPE

CONST. 24" PIPE

CONST. 18" PIPE

CONST. 15" PIPE

CONST. 48" PIPE

CONST. 30" PIPE

CONST. 225' GUARDRAIL

CONST. 24" PIPE

CONST. 15" PIPE

CONST. 24" PIPE

CONST. 24" PIPE

CONST. 15" PIPE

CONST. TYPE "S" FENCE

CONST. TYPE "B" FENCE

CONST. 8' FENCE

12' Removeable Guardrail Section

SHOULDER PAVT.

CONC. SKIMMER

CONC. SLAB

TRAILER

POOL

TIN SHED

I Sty. Tin Shelter

I Sty. C.B. Comm.

I Sty. Fr. Comm.

I Sty. Office Comm.

10' Gate

30' SIGN POLES

(S-1) M.H.-BOX CULVT.

(S-1A) 2 CONE SKIMMER

(S-1B) 2 Removeable Guardrail Section

(S-1C) CONST. 18" PIPE

(S-1D) CONST. 15" PIPE

(S-1E) CONST. 24" PIPE

(S-1F) CONST. 24" PIPE

(S-1G) CONST. 24" PIPE

(S-1H) CONST. 24" PIPE

(S-1J) CONST. 24" PIPE

(S-1K) CONST. 24" PIPE

(S-1L) DBL. BOX BRIDGE STA. 54+04.00

(S-1M) CONST. 24" PIPE

(S-1N) CONST. 24" PIPE

(S-1P) CONST. 24" PIPE

(S-1Q) CONST. 24" PIPE

(S-1R) CONST. 24" PIPE

(S-1S) CONST. 24" PIPE

(S-1T) CONST. 24" PIPE

(S-1U) CONST. 24" PIPE

(S-1V) CONST. 24" PIPE

(S-1W) CONST. 24" PIPE

(S-1X) CONST. 24" PIPE

(S-1Y) CONST. 24" PIPE

(S-1Z) CONST. 24" PIPE

(S-2) CONST. 24" PIPE

(S-3) CONST. 55' of 24" PIPE

(S-4) CONST. 8" PIPE

(S-5) CONST. 24" PIPE

(S-6) CONST. 24" PIPE

(S-7) CONST. 24" PIPE

(S-8) CONST. 18" PIPE

(S-9) CONST. 24" PIPE

(S-10) CONST. 24" PIPE

(S-11) CONST. 24" PIPE

(S-12) CONST. 24" PIPE

(S-13) CONST. 24" PIPE

(S-14) CONST. 24" PIPE

(S-15) CONST. 24" PIPE

(S-16) CONST. 24" PIPE

(S-17) CONST. 24" PIPE

(S-18) CONST. 24" PIPE

(S-19) CONST. 24" PIPE

(S-20) CONST. 24" PIPE

(S-21) CONST. 24" PIPE

(S-22) CONST. 24" PIPE

(S-23) CONST. 24" PIPE

(S-24) CONST. 24" PIPE

(S-25) CONST. 24" PIPE

(S-26) CONST. 24" PIPE

(S-27) CONST. 24" PIPE

(S-28) CONST. 24" PIPE

(S-29) CONST. 24" PIPE

(S-30) CONST. 24" PIPE

(S-31) CONST. 24" PIPE

(S-32) CONST. 24" PIPE

(S-33) CONST. 48" PIPE

(S-34) CONST. 30" PIPE

(S-35) CONST. 15" PIPE

(S-36) CONST. 15" PIPE

(S-37) CONST. 15" PIPE

(S-38) CONST. 48" PIPE

(S-39) CONST. 48" PIPE

(S-40) CONST. 24" PIPE

(S-41) CONST. 24" PIPE

(S-42) CONST. 24" PIPE

(S-43) CONST. 24" PIPE

(S-44) CONST. 24" PIPE

(S-45) CONST. 24" PIPE

(S-46) CONST. 24" PIPE

(S-47) CONST. 2 LINES 480' EACH OF 60" PIPE

(S-48) CONST. 24" PIPE

(S-49) CONST. 15" PIPE

(S-50) CONST. 24" PIPE

(S-51) CONST. 24" PIPE

(S-52) CONST. 24" PIPE

(S-53) CONST. 24" PIPE

(S-54) CONST. 18" PIPE

(S-55) CONST. 24" PIPE

(S-56) CONST. 48" PIPE

STA. 49+13.85 ℄ GANDY BLVD
STA. 10+00.00 ℄ CHURCH ST.

STA. 50+00.00 ℄ GANDY BLVD
STA. 50+57.60 TRAVERSE

FOR RAILROAD CROSSING DETAILS SEE SHEET No. 20

STA. 55+51.64 ℄ GANDY BLVD.
STA. 52+93.12 ℄ PROJECT

STA. 55+51.64 ℄ GANDY BLVD.
STA. 152+56.22 ℄ LINE

STA. 60+71.25 ℄ GANDY BLVD.
STA. 100+00.00 ℄ DALE MABRY

STA. 95+25.60 ℄ DALE MABRY
STA. 20+00.00 ℄ MARLIN AVE.

FOR INTERSECTION DETAILS SEE SHEET No. 22

FOR INTERSECTION DETAILS SEE SHEET No. 22 & 26

See Sheet No. 22

Existing Line

L/A R/W LINE

R/W LINE

℄ DALE MABRY

℄ MARLIN AVE.

MATCH EXIST. GUTTER & PAVT.

BEGIN BRIDGE STA. 51+63.31

BEGIN CONSTRUCTION STATE JOB NO. 10002-3501 STA. 50+35.86

℄ PROJECT
N 29°-59'-53" E

CURVE "1-A"
P.I. STA. NONE
Δ = 236°-31'-12.1"
D = 38°-11'-49.9"
R = 150.00
LC = 419.21
LS1 = 200.00
S ANG 1 = 38°-11'-49.9"
T S1L = 136.58
T S1S = 69.62
LS2 = 200.00
S ANG 2 = 38°-11'-49.9"
T S2L = 136.58
T S2S = 69.62
S.E. SEE PROFILE

CURVE "1-B"
P.I. STA. NONE
Δ = 289°-20'-03.2"
D = 24°-54'-40.4"
R = 230.00
LC = 972.59
LS1 = 225.00
S ANG 1 = 28°-01'-30.4"
T S1L = 151.92
T S1S = 76.75
LS2 = 225.00
S ANG 2 = 28°-01'-30.4"
T S2L = 151.92
T S2S = 76.75
S.E. SEE PROFILE

Δ AS BUILT NOTES
12 FT REMOVEABLE SECTION OF GUARDRAIL

Δ1 Removeable Guardrail Section Ramp "B" & "C"
Δ2 Same as Sheet No. 22

NO.	REVISION	BY	DATE

TAMPA-HILLSBOROUGH COUNTY EXPRESSWAY AUTHORITY

SOUTH CROSSTOWN EXPRESSWAY

INTERCHANGE LAYOUT

GANDY BLVD. DALE MABRY HWY.

J. E. GREINER COMPANY — WATSON & COMPANY
CONSULTING ENGINEERS TAMPA, FLORIDA

MADE SKP DATE 9-71 | TRACED DATE
CHECKED MJB DATE 10-71 | SCALE

84/1

Contract No. 1

SECTION	CONTRACT	SOUTH CROSSTOWN EXPRESSWAY	SHEET NO.
10002	2501		R/W-1
By: J.E.G.		TAMPA-HILLSBOROUGH COUNTY EXPRESSWAY AUTHORITY	Date: 3-8-73

AS BUILT

DEC. 30, 1975

CURVE DATA

℄ PROJECT

CURVE NO. 1
P.I. STA. 74+82.21
Δ = 14°17'-55.6" LT.
D = 1°00'-00"
T = 718.67'
L = 1,429.88'
R = 5,729.58'
P.C. STA. 67+63.54
P.T. STA. 81+93.42

CURVE NO. 2
P.I. STA. 93+97.98
Δ = 14°17'-55.6" RT.
D = 1°30'-00"
T = 479.12'
L = 953.25'
R = 3,819.72'
P.C. STA. 89+18.86
P.T. STA. 98+72.1

℄ HIMES AVE.

CURVE NO. "H-1"
P.I. STA. 53+36.70
Δ = 5°56'54" RT.
D = 2°30'00"
R = 2,291.83'
L = 237.94'
T = 119.07'
P.C. STA. 52+17.62
P.R.C. STA. 54+55.56

CURVE NO. "H-2"
P.I. STA. 55+74.63
Δ = 5°56'54" LT.
D = 2°30'00"
R = 2,291.83'
L = 237.94'
T = 119.07'
P.R.C. STA. 54+55.56
P.T. STA. 56+93.50

℄ RAMP "A"

CURVE NO. 1-A
P.I. STA. NONE
Δ = 236° 31' 12.1"
R = 150.00'
D = 38° 11' 50"
Lc = 419.21'
Ls1 = 200.00'
S.A1 = 38°11'50"
TSL = 136.58'
TSS = 69.62'
Ls2 = 200.00'
S.A2 = 38°11'50"
TS2L = 136.58'
TS2S = 69.62'

℄ RAMP "B"

CURVE NO. 1-B
P.I. STA. NONE
Δ = 298° 20' 03.2"
R = 24° 54' 40.4"
R = 230.00'
Lc = 972.59'
Ls1 = 225.00'
S.A1 = 28° 30.4"
TSL = 151.92'
TSS = 76.75'
Ls2 = 225.00'
S.A2 = 28° 01' 30.4"
TS2L = 151.92'
TS2S = 76.75'

LINE "A" (RELOCATED S.C.L. R.R.)

CURVE NO. 1
P.I. STA. 88+50.06
Δ = 5°18' 18.4" LT.
D = 1°00' 00"
R = 5,729.65'
Lc = 480.52'
T1 = 290.45'
T2 = 290.45'
La = 50.00'
SA1 = 0°15' 00"
TSL = 33.33'
TSS = 16.67'
La = 50.00'
SA2 = 0°15' 00"
TS2L = 33.33'
TS2S = 16.67'

CURVE NO. 2
P.I. STA. 95+52.70
Δ = 5°18' 18.4" RT.
D = 1°00' 00"
R = 5,729.65'
Lc = 480.52'
T1 = 290.45'
T2 = 290.45'
La = 50.00'
SA1 = 0°15' 00"
TSL = 33.33'
TSS = 16.67'
La = 50.00'
SA2 = 0°15' 00"
TS2L = 33.33'
TS2S = 16.67'

℄ RAMP "C"

CURVE NO. 1-C
P.I. STA. 352+43.00
Δ = 48°-31'-12" LT.
D = 19°-05'-54.9"
R = 300.00'
Lc = 254.05'
T = 135.20'
P.C. STA. 351+07.79
P.T. STA. 353+61.84

CURVE NO. 2-C
P.I. STA. 358+18.01
Δ = 8°-00'-00" LT.
D = 4°-00'-00"
R = 1432.39'
Lc = 200.00'
T = 100.16'
P.C. STA. 357+17.84
P.T. STA. 359+17.84

℄ RAMP "D"

CURVE NO. 1-D
P.I. STA. 461+74.22
Δ = 25°-03'-40.9" RT.
D = 18°-28'-57"
R = 310.00'
Lc = 135.60'
T = 68.90'
P.C. STA. 461+05.32
P.T. STA. 462+40.92

CURVE NO. 2-D
P.I. STA. 468+84.20
Δ = 10°-30'-37.5" LT.
D = 1°-30'-00"
R = 3819.72'
Lc = 700.69'
T = 351.33'
P.C. STA. 465+32.87
P.T. STA. 472+33.57

SCALE 1" = 200'

T30S, R18E

STATE ROAD 449

SEE SHEET 1
SEE SHEET 2
SEE SHEET 3
SEE SHEET 4
SEE SHEET 5
SEE SHEET 6
SEE SHEET 7

PROPERTY ACQUIRED UNDER SECTION 10002-2511 CONTRACT 9-B

℄ PROJECT & ℄ CONSTRUCTION

EXIST. R.R. R/W LINE

L/A R/W LINE

RELOCATED S.C.L. R.R. ℄ LINE "A"

EXIST. R/W LINE

TIMES AVE.

EUCLID AVE.

DREXEL AVE.

TAMPA AVE.

GREENWOOD DRIVE

KNIGHTS AVE.

WALLCRAFT AVE.

HARBOR VIEW ROAD

AIR OAKS AVE.

CARRINGTON ST.

DORCHESTER ST.

ALLINE ST.

BEAUMONT ST.

COACHMAN ST.

FIELDER ST.

OAKELLAR ST.

VILLA ROSA AVE.

HIMES AVE.

GANDY BLVD. S.R. 600 (U.S. 92)

CHURCH ST.

S. CLARK AVE.

PLAYGROUND

GRADY AVE.

DALE MABRY

TO PORT TAMPA

TO TAMPA

℄ RAMP "A"

℄ RAMP "B"

℄ RAMP "C"

℄ RAMP "D"

BEGIN R/W PROJECT SECTION 10002-2501 STA. 47+24.73 ℄ CONST.

EQUALITY
END R/W PROJECT SECTION 10002-2501 STA. 112+81.44 ℄ CONST.
BEGIN R/W PROJECT SECTION 10002-2502 STA. 112+67.00 ℄ SURVEY

INSERT "A"

MATCH LINE

CONST. EASEMENT

LOT "A"

CITY OF TAMPA FLORIDA

UTILITY OWNERS

TELEPHONE LINES, CABLES AND POLES	GENERAL TELEPHONE COMPANY 519 ZACK ST. TAMPA, FLORIDA
POWER LINES, CABLES AND POLES	TAMPA ELECTRIC COMPANY TAMPA, FLORIDA.
WATER SYSTEM, SANITARY SEWER SYSTEM, FIRE ALARM SYSTEM	CITY OF TAMPA, TAMPA, FLA.
NATURAL GAS SYSTEM	PEOPLES GAS COMPANY 215 S. TAMPA ST. TAMPA, FLA.

NOTE: HORIZONTAL CONTROL DATUM IS BASED ON U.S.C. & G.S. GRID COORDINATE SYSTEM N.A.D. 1927.

RIGHT-OF-WAY MAPS ARE FOR CONTRACTOR'S INFORMATION ONLY

NO.	REVISION	BY	DATE
1	Added Sheet 7 and R/W LINES	J.E.G.	K.E.W. 9-5-73

TAMPA-HILLSBOROUGH COUNTY EXPRESSWAY AUTHORITY

SOUTH CROSSTOWN EXPRESSWAY

KEY MAP

J. E. GREINER COMPANY — WATSON & COMPANY
CONSULTING ENGINEERS TAMPA, FLORIDA

MADE ____ DATE 11-10-71 TRACED W. J. M. DATE 2-2-73
CHECKED A. J. M. DATE 2-3-73 SCALE 1" = 200'

Contract No. 1

SHEET NO. 1 OF 7

84/1

DRAFT

SECTION	CONTRACT	SOUTH CROSSTOWN EXPRESSWAY	SHEET NO.
10002	2501		R/W-2
By: J.E.G.		TAMPA-HILLSBOROUGH COUNTY EXPRESSWAY AUTHORITY	Date: 3-8-73

STATE ROAD 449

AS BUILT

DEC. 30, 1975

SCALE: 1" = 50'

T30S, R18E

AL-MAR SUBDIVISION
P.B. 29 PAGE 29 P.R.H.C.F. Filed: SEPT. 20, 1948

CHURCH ST.

S.C.L. R.R.

EXIST. R/W LINE

EXIST R.R. R/W LINE

TRAILER PARK

B RAMP "C"

P.T. STA. 353+61.84

EQUALITY: P.O.T. STA. 52+28.60 ℄ GANDY BLVD = P.C. STA. 351+07.79 ℄ RAMP "C"

N 51°-59'-53" E

355

℄ PROJECT & ℄ CONSTRUCTION

N 29°-59'-53" E

EQUALITY: STA. 55+54.36 ℄ PROJECT = POT. STA. 195+51.48 ℄ RAMP "A" 43 LT

43.00'

155

55

S.R. 685 (U.S. 92)

S.R. 600

ALUM. CURB SERVICE SHED

FR. FUEL OIL PUMP SHED

1 STY. C.B. COMM.

1 STY. MOTEL

1 STY. FR. COMM.

2 STY. C.B. MOTEL

EXIST. R/W LINE

MATCH LINE TO SHEET 3

GANDY BLVD.
S.R. 600 (U.S. 92)

℄ GANDY BLVD.

S89°-28'-55"E

STA. 53+50.56

60°31'-12"

994.72'

516.93'

1209.19'

209.0'

208.7'

EXIST. R/W LINE

END L/A LINE

L/A R/W LINE

80.97'

197.81'

Existing R/W Line?

LIMIT OF CONSTRUCTION

N 76°-48'-05"W 122.22'

128.1

378.80'

EQUALITY:
STA. 52+93.12 ℄ PROJECT =
STA. 55+74.36 ℄ GANDY BLVD.

STA. 52+35.69

EQUALITY:
STA. 60+74.25 ℄ GANDY BLVD =
STA. 100+00.00 ℄ DALE MABRY

240

477.79'

S.C. STA. 145+65.66

S.T. STA. 149+84.87

EQUALITY: P.O.T. STA. 52+61.45 ℄ GANDY BLVD = T.S. STA. 141+65.66 ℄ RAMP "A"

EQUALITY: P.O.T. STA. 52+29.51 ℄ PROJECT = ST STA. 252+29.51 ℄ RAMP "B"

EQUALITY: P.O.T. STA. 58+08.53 ℄ PROJECT = T.S STA. 238+06.92 ℄ RAMP "B"

S.C. STA. 240+31.92

℄ RAMP "A"

℄ RAMP "B"

C.S. STA. 250+04.51

C.S. STA. 147+84.87

100.1-R
100.2-R
100.3-R

1-A

1-B

15' R/W EASEMENT TO TAMPA ELECTRIC CO O.R.B. 1657 PG. 441

LIMITS OF CONSTRUCTION

466.24'

N 75°-11'-51"W

747.99'

N 00°-56'-12" E 630.00'

BEGIN R/W PROJECT SECTION 10002-2501 STA. 47+24.46 ℄ CONST.

INSERT "A"

DRIVE-IN THEATER

L/A R/W LINE

1214.23'

SEE INSERT "A"

TO SHEET 7

N00°-56'-12"E 630.00'

EXIST. R/W LINE 300'

SIGN

ALLISON BUSINESS SITES
FILED: JUNE 8 1948 P.B. 29 PG. 22 P.R.H.C.F.

MARLIN AVENUE

PLAYGROUND

1 STY. C.B. COMM.

LIMITS OF CONSTRUCTION

CURVE DATA

℄ RAMP "A" CURVE 1-A			
P.I. STA. NONE	Lc = 419.21'	Ls = 200.00'	$T_{S_{RL}}$ = 136.58'
Δ = 236°-31'-12.1"	L_{S1} = 200.00'	$S_{\angle 2}$ = 38°-11'-50"	$T_{S_{RS}}$ = 69.62'
D = 38°-11'-50"	$S_{\angle 1}$ = 38°-11'-50"	$T_{S_{RL}}$ = 136.58'	
R = 150.00'	$T_{S_{RL}}$ = 136.58'	$T_{S_{RS}}$ = 69.62'	
	$T_{S_{RS}}$ = 69.62'		

℄ RAMP "B" CURVE 1-B			
P.I. STA. NONE	Lc = 972.59'	L_S = 225.00'	
Δ = 298°-20'-03.2"	L_{S1} = 225.00'	$S_{\angle 2}$ = 28°-01'-30.4"	
D = 24°-54'-40.4"	$S_{\angle 1}$ = 28°-01'-30.4"	$T_{S_{RL}}$ = 151.92'	
R = 230.00'	$T_{S_{RL}}$ = 151.92'	$T_{S_{RS}}$ = 76.75'	
	$T_{S_{RS}}$ = 76.75'		

PARCEL NUMBER	GRANTOR	AREA IN TAKING	REMAINDER RT. ℄	REMAINDER LT. ℄
100.1-R	P.J. SONES, Et al	12.29 Ac.	*	*
128-1	LONE STAR INDUSTRIES	1520 S.F.	177,529.448F	—

* NOTE: REMAINDER NOT SHOWN WHEN OWNERSHIP ENCOMPASSES PROPERTIES TOO LARGE TO BE SHOWN AT THIS SCALE.

NOTE: PARCEL TITLE TO BE ACQUIRED IN FEE SIMPLE UNLESS OTHERWISE DENOTED.

LEGEND

POWER POLE	
TELEPHONE POLE	
COMBINATION POLE	
LIGHT STANDARD	
GUY WIRE & ANCHOR PIN	
BURIED ELECTRIC POWER CABLE	E
ELECTRIC DUCT	E
BURIED TELEPHONE CABLE	T
TELEPHONE DUCT	T
WATER MAIN	W
GAS MAIN	G
DRIP POT	
VALVE	
FIRE HYDRANT	
AIR VALVE	
BLOW-OFF	
SANITARY SEWER	S
STORM SEWER	
MANHOLE	
STREET NAME FROM PLAT	
PUBLIC RECORDS HILLSBOROUGH COUNTY FLA.	P.R.H.C.F.
PROPERTY LINE	
IRON PIPE	I.P.
IRON ROD	I.R.
CONCRETE MONUMENT	C.M.
FIELD DIMENSION	(F)
DEED DIMENSION	(D)
CALCULATED DIMENSION	(C)

RIGHT-OF-WAY MAPS ARE FOR CONTRACTOR'S INFORMATION ONLY

NO.	REVISION	BY	DATE
2	Added Note J.E.G.	W.J.M.	1-7-74
1	Removed Parcel 104.1 (Shown on Sheet 7 J.E.G.	K.E.W.	9-5-73

TAMPA-HILLSBOROUGH COUNTY EXPRESSWAY AUTHORITY

SOUTH CROSSTOWN EXPRESSWAY

RIGHT-OF-WAY MAP

J. E. GREINER COMPANY — WATSON & COMPANY
CONSULTING ENGINEERS TAMPA, FLORIDA

MADE W. J. M. DATE 11-2-71 TRACED F. J. R. DATE 5-2-73
CHECKED K.E.W. DATE 5-4-73 SCALE 1" = 50'

Contract No. 1 SHEET NO. 2 OF 84

DRAFT

SECTION	CONTRACT	SOUTH CROSSTOWN EXPRESSWAY	SHEET NO.
10002	2501		R/W-3
By: J.E.G	TAMPA-HILLSBOROUGH COUNTY EXPRESSWAY AUTHORITY		Date: 3-8-73

STATE ROAD 449

AS BUILT

DEC. 30, 1975

PARCEL NUMBER	GRANTOR	AREA IN TAKING	REMAINDER RT. ℄	REMAINDER LT. ℄
101.1-R	ROBERT H. GIERTSEN, et ux	3.31 Ac.	—	—
102.1-R	LEE & POMEROY, INC.	4.44 Ac.	1.43 Ac.	—
103.1-R	(SHOWN ON SHEET 7)			
105.1-R	JACK L. RODRIGUEZ, et al	3.81 Ac.	—	—
106.1-R	HONEY, INCORPORATED	0.69 Ac.	—	—
107.1-R	JOHN O. WEIDENKOPF	1.17 Ac.	*	—
108.1-R	PHILIP MILITELLO, et ux	20673 S. F.	9327 S.F.	—
109.1-R	ANTHONY T. FRISCO, et al	1.64 Ac.	4300 S.F	—
113.1-R	LENOLA M. WEBBER	TEMP. CONST. EASMT.	—	—
114.1-R	JOHN A. STEVENS, Et ux	TEMP. CONST. EASMT.	—	—
127.1	JOHN A. STEVENS, Et ux	41 Sq. Ft.	19959 S.F.	—

+ NOTE: REMAINDER NOT SHOWN WHEN OWNERSHIP ENCOMPASSES PROPERTIES TOO LARGE TO BE SHOWN AT THIS SCALE.

NOTE: PARCEL TITLE TO BE ACQUIRED IN FEE SIMPLE UNLESS OTHERWISE DENOTED.

SCALE: 1" = 50'

T30S, R18E

S.C.L. R.R.

MATCH LINE TO SHEET 4

MATCH LINE TO SHEET 2

END L/A LINE

L/A R/W LINE

EXIST R.R. R/W LINE

GANDY BLVD. S.R. 600 (U.S. 92)

EXIST. R/W LINE

EQUALITY: P.O.T. STA. 52+28.60 ℄ GANDY BLVD. = P.C. STA. 351+07.79 ℄ RAMP "C" 59' LT.

704.0' (D)

704.07' (C)

N 29° 59' 53" E

1615.11'

545.18'

207.48'

N 89° 43' 19" W

101.67'

N 89° 34' 54" W

217.21'

122.83'

721.51'

59.06'

504.06'

232.16'

TRAILER PARK

PT STA 353+61.84

355 ℄ RAMP "C"

P.C. STA 357+1784

N 41° 59'-53" E

(2-C) 4° 00'-00" CURVE LT.

P.T. STA 359+17.84

360

N 33° 59'-53" E

LIMITS OF CONSTRUCTION

EASEMENT TO HONEY INC. O.R.B. 1864, PG. 147

EQUALITY: P.O.T. STA 64+82.68 ℄ PROJECT = P.O.T. STA 364+82.68 ℄ RAMP "C" 43' LT.

331.30'

110

STA 64+25.14

STA 62+19.27

PERMANENT R/W & PERPETUAL NON-EXCLUSIVE EASEMENT FOR ROAD PURPOSES

S 89° 04' 27" E

N 00° 56' 12" E

364.52'

EQUALITY: STA. 62+22.21 ℄ PROJECT = STA. 108+95.87 ℄ DALE MABRY

P.C. STA 465+32.87

RAMP "D" N 29° 59' 53" E

P.T. STA 462+40.92

LIMITS OF CONSTRUCTION

N 29° 26' 34" E

320.08'

N 28° 44' 51" E

113.01'

233.20'

GOLF AMUSEMENT

EASEMENT TO THE PENINSULA STATE BANK O.R.B. 2203, PG. 51

50'

EQUALITY: STA. 52+93.12 ℄ PROJECT = STA. 55+74.36 ℄ GANDY BLVD.

434.14'

1209.76'

N 28° 58' 02" E

555.73'

L/A R/W LINE

AL-MAR SUB. PB 29, P 29 Filed Sept 20, 1948

143.76'

123.35'

N 00° 56' 12" E

END L/A

CURVE RT.

P.T. STA 461+05.32

N 34° 44' 51" E

56.31'

EQUALITY: STA. 60+74.25 ℄ GANDY BLVD. = STA. 100+00.00 ℄ DALE MABRY

℄ DALE MABRY HWY.

N 00° 56' 12" E

EQUALITY: STA. 104+74.95 ℄ DALE MABRY = P.O.T. STA. 459+34.29 ℄ RAMP "D" 35' RT.

EXIST R/W LINE

412.71'

N 00° 57' 32" E

TAN BRNG N 00° 58' 43" E

TAMP BRNG S 89° 28' 55" E

417.12'

612.55'

SEE INSERT

END L/A

N 89° 28' 15" W

417.62'(C)

S 89° 28' 15" E

LIMITS OF CONSTRUCTION

℄ PROJECT & ℄ CONSTRUCTION N 29° 59'-53" E

612.78' (D)

612.88' (C)

N 00° 55' 40" E

STA 53+50.56

CURVE DATA

CURVE NO. 1-C	CURVE NO. 2-C	CURVE NO. 1-D
P.I. STA. 352+43.00	P.I. STA. 358+18.01	P.I. STA. 461+74.22
Δ = 48° 31'-12" LT.	Δ = 8° 00'-00" LT.	Δ = 25° 03'-40.9" RT.
D = 19° 05'-54.9"	D = 4° 00'-00"	D = 18° 28'-57"
R = 300.00'	R = 1432.39'	R = 310.00'
Lc = 254.05'	Lc = 200.00'	Lc = 135.60'
T = 135.20'	T = 100.16'	T = 68.90'
P.C. STA. 351+07.79	P.C. STA. 357+17.84	P.C. STA. 461+05.32
P.T. STA. 353+61.84	P.T. STA. 359+17.84	P.T. STA. 462+40.92

LEGEND

POWER POLE
TELEPHONE POLE
COMBINATION POLE
LIGHT STANDARD
GUY WIRE & ANCHOR PIN
BURIED ELECTRIC POWER CABLE
ELECTRIC DUCT
BURIED TELEPHONE CABLE
TELEPHONE DUCT
WATER MAIN
GAS MAIN
DROP POT
VALVE
FIRE HYDRANT
AIR VALVE
BLOW-OFF
SANITARY SEWER
STORM SEWER
MANHOLE
STREET NAME FROM PLAT
PUBLIC RECORDS
PROPERTY LINE
IRON PIPE
IRON ROD
CONCRETE MONUMENT
FIELD DIMENSION
DEED DIMENSION
CALCULATED DIMENSION

RIGHT-OF-WAY MAPS ARE FOR CONTRACTOR'S INFORMATION ONLY

NO.	REVISION	BY	DATE
4	Added Note	J.E.G.	W.J.M.	1-7-74
3	Revised Parcel 114.1-R Added (127.)	J.E.G.	F.J.R.	10-5-73
2	Removed Parcel 103.1 (Shown on Sheet 7)	J.E.G.	K.E.W.	9-5-73
1	Revised Building Ties Parcels 102.1 & 114.1	J.E.G.	F.J.R.	6-14-73

TAMPA - HILLSBOROUGH COUNTY EXPRESSWAY AUTHORITY

SOUTH CROSSTOWN EXPRESSWAY

RIGHT-OF-WAY MAP

J. E. GREINER COMPANY — WATSON & COMPANY
CONSULTING ENGINEERS
TAMPA, FLORIDA

MADE ____ DATE 11-3-71 | TRACED F.J.R. DATE 5-3-73
CHECKED K.E.W. DATE 5-4-73 | SCALE 1" = 50'

Contract No. 1

SHEET NO. 3 OF 7

DRAFT

SECTION	CONTRACT	SOUTH CROSSTOWN EXPRESSWAY	SHEET NO.
10002	2501		R/W-4
By: J.E.G		TAMPA-HILLSBOROUGH COUNTY EXPRESSWAY AUTHORITY	Date: 3-8-73

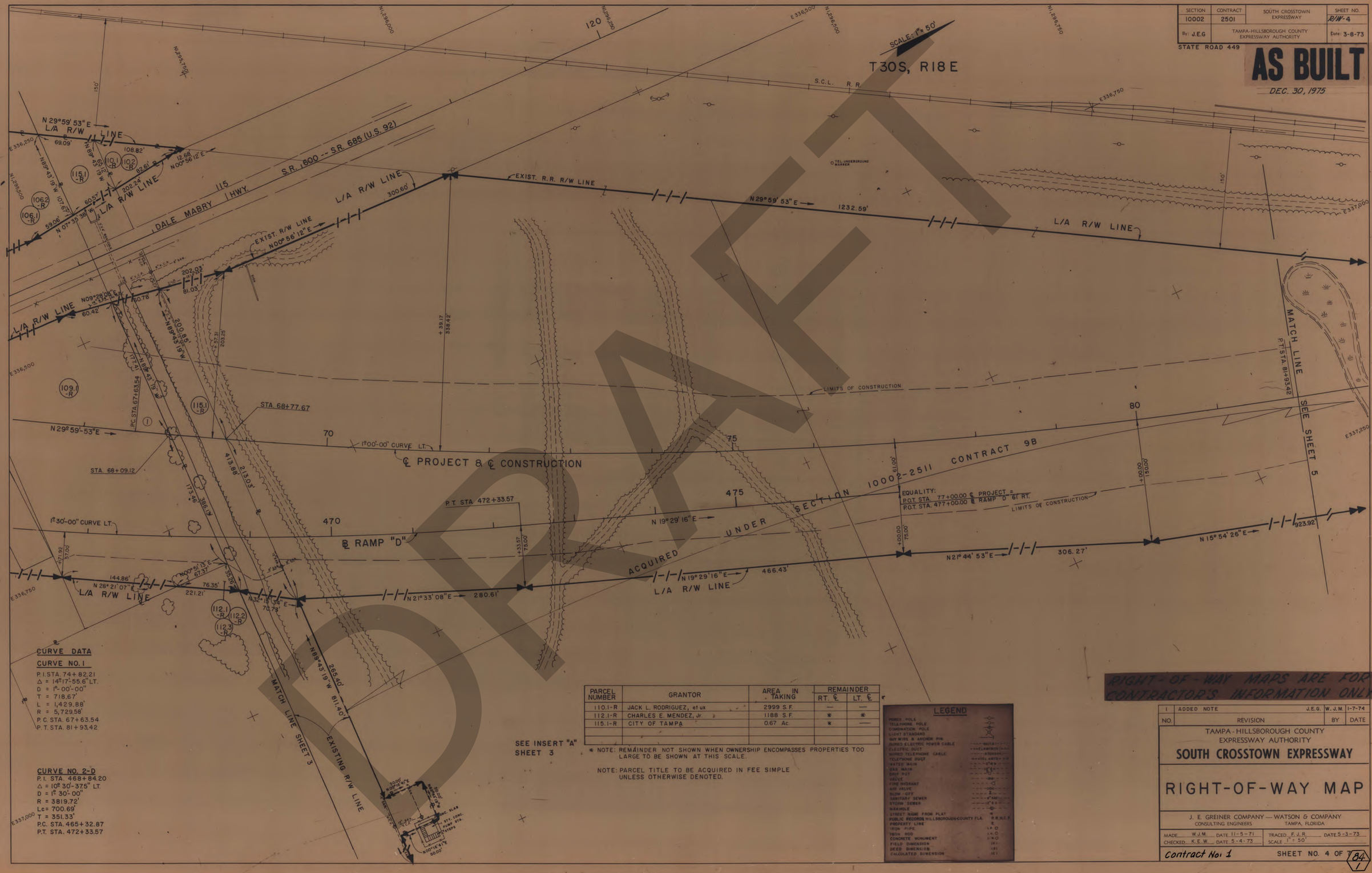
STATE ROAD 449

AS BUILT

DEC. 30, 1975

SCALE: 1" = 50'

T30S, R18E



CURVE DATA

CURVE NO. 1

P.I. STA. 74+82.21
Δ = 14°17'-55.6" LT.
D = 1°-00'-00"
T = 718.67'
L = 1,429.88'
R = 5,729.58'
P.C. STA. 67+63.54
P.T. STA. 81+93.42

CURVE NO. 2-D

P.I. STA. 468+84.20
Δ = 10° 30'-37.5" LT.
D = 1° 30'-00"
R = 3819.72'
Lc = 700.69'
T = 351.33'
P.C. STA. 465+32.87
P.T. STA. 472+33.57

SEE INSERT "A" SHEET 3

PARCEL NUMBER	GRANTOR	AREA IN TAKING	REMAINDER RT. ℄	REMAINDER LT. ℄
110.1-R	JACK L. RODRIGUEZ, et ux	2999 S.F.	—	—
112.1-R	CHARLES E. MENDEZ, Jr.	1188 S.F.	*	*
115.1-R	CITY OF TAMPA	0.67 Ac.	*	—

* NOTE: REMAINDER NOT SHOWN WHEN OWNERSHIP ENCOMPASSES PROPERTIES TOO LARGE TO BE SHOWN AT THIS SCALE.

NOTE: PARCEL TITLE TO BE ACQUIRED IN FEE SIMPLE UNLESS OTHERWISE DENOTED.

LEGEND

POWER POLE
TELEPHONE POLE
COMBINATION POLE
LIGHT STANDARD
GUY WIRE & ANCHOR PIN
BURIED ELECTRIC POWER CABLE
ELECTRIC DUCT
BURIED TELEPHONE CABLE
TELEPHONE DUCT
WATER MAIN
GAS MAIN
DRIP POT
HOUSE
FIRE HYDRANT
AIR VALVE
BLOW-OFF
SANITARY SEWER
STORM SEWER
MANHOLE
STREET NAME FROM PLAT
PUBLIC RECORDS HILLSBOROUGH COUNTY FLA.
PROPERTY LINE
IRON PIPE
IRON ROD
CONCRETE MONUMENT
FIELD DIMENSION
DEED DIMENSION
CALCULATED DIMENSION

RIGHT-OF-WAY MAPS ARE FOR CONTRACTOR'S INFORMATION ONLY

NO.	REVISION	BY	DATE
1	ADDED NOTE J.E.G. W.J.M.		1-7-74

TAMPA - HILLSBOROUGH COUNTY EXPRESSWAY AUTHORITY

SOUTH CROSSTOWN EXPRESSWAY

RIGHT-OF-WAY MAP

J. E. GREINER COMPANY — WATSON & COMPANY
CONSULTING ENGINEERS TAMPA, FLORIDA

MADE W.J.M. DATE 11-5-71 TRACED F.J.R. DATE 5-3-73
CHECKED K.E.W. DATE 5-4-73 SCALE 1" = 50'

Contract No. 1 SHEET NO. 4 OF 7 84/1

DRAFT

SECTION	CONTRACT	SOUTH CROSSTOWN EXPRESSWAY	SHEET NO.
10002	2501		R/W-5
By: J.E.G		TAMPA-HILLSBOROUGH COUNTY EXPRESSWAY AUTHORITY	Date: 3-8-73

STATE ROAD 449

AS BUILT

DEC. 30, 1975.

SCALE: 1" = 50'

T30S, R18E

LINE "A" (RELOCATED S.C.L. R.R.)

CURVE NO. 1

P.I. STA. 88+50.06
Δ = 5°18' 18.4" LT.
D = 1°00' 00"
R = 5,729.65'
L_c = 480.52'
T_1 = 290.45'
T_2 = 290.45'
L_s = 50.00'
S_{A1} = 0°15' 00"
T_{R1} = 33.33'
T_{R2} = 16.67'
L_{S1} = 50.00'
S_{A2} = 0°15' 00"
T_{R2} = 33.33'
T_{R2} = 16.67'

CURVE NO. 2

P.I. STA. 95+52.70
Δ = 5°18' 18.4" RT.
D = 1°00' 00"
R = 5,729.65'
L_c = 480.52'
T_1 = 290.45'
T_2 = 290.45'
L_s = 50.00'
S_{A1} = 0°15' 00"
T_{R1} = 33.33'
T_{R2} = 16.67'
L_{S2} = 50.00'
S_{A2} = 0°15' 00"
T_{R2} = 33.33'
T_{R2} = 16.67'

CURVE DATA

CURVE NO. 2

P.I. STA. 93+97.98
Δ = 14° 17' 55.6" RT.
D = 1° 30' 00"
T = 479.12'
L = 953.25'
R = 3,819.72'
P.C. STA. 89+18.86
P.T. STA. 98+72.12

LEGEND

POWER POLE
TELEPHONE POLE
COMBINATION POLE
LIGHT STANDARD
GUY WIRE & ANCHOR PIN
BURIED ELECTRIC POWER CABLE — E —
ELECTRIC DUCT — E —
BURIED TELEPHONE CABLE — T —
TELEPHONE DUCT — T —
WATER MAIN — 8"W —
GAS MAIN — G —
DRIP POT
VALVE
FIRE HYDRANT
AIR VALVE
BLOW-OFF
SANITARY SEWER — 8"SAN —
STORM SEWER — 18"S —
MANHOLE
STREET NAME FROM PLAT
PUBLIC RECORDS HILLSBOROUGH COUNTY FLA. P.R.H.C.F.
PROPERTY LINE
IRON PIPE I.P.O
IRON ROD I.R.O
CONCRETE MONUMENT C.M.O
FIELD DIMENSION (F)
DEED DIMENSION (D)
CALCULATED DIMENSION (C)

N1,297,000 N1,297,250 N1,297,500 N1,297,750 N1,298,000 N1,298,250 N1,298,500

E 337,000 E 337,250 E 337,500 E 337,750

T.S. STA. 85+59.62
S.C. STA. 86+09.62
EXIST. R.R. R/W LINE
S.C.L. R.R.
① 1°00' 00" CURVE LT.
Tan. Brng. N26°03'20"E
C.S. STA. 90+90.13
Δ = 1°06' 45"
L = 111.55'
R = 5744.65'
T.S. STA. 92+62.25
Tan. Brng. N24°56'35"E
S.T. STA. 91+40.13
RELOCATED S.C.L. R.R. (LINE "A")
N24°41' 35"E
S.C. STA. 93+12.25
Tan. Brng. N24°56'35"E
Δ = 4°48' 16"
L = 479.25'
R = 5714.65'
N29°59'53"E 1232.59'
L/A R/W LINE
N 15°41'58"E 601.72'
N24°43'50"E 222.12'
15.00' ② 1°00' 00" CURVE RT.
EXISTING R/W RET. (TO BE RELOCATED)
PARK
BALL
STY. SHED
LIMITS OF CONSTRUCTION
P.T. STA. 81+93.42
N15°41'-58"E
℄ PROJECT & ℄ CONSTRUCTION
② 1°30'-00" CURVE RT.
P.C. STA. 89+18.86
EXIST. R.R. R/W LINE
ACQUIRED UNDER SECTION 10002-2511
CONTRACT 9B
N 15°54' 26"E 923.92'
L/A R/W LINE
N18°33' 29"E 365.99'
N 23°21' 27"E 248.61'
S00°33'39"W 75.97
MATCH LINE SEE SHEET 4
MATCH LINE SEE SHEET 6

INSERT "A"
280.61' N21°33'08"E
N19°29'16"E 466.43'
306.27' N21°44'53"E
N 15°54' 26"E 923.92'
N18°33'29"E 365.99'
248.61' N23°21'57"E
S00°33'39"W 75.97
L/A R/W LINE
4"x 4" Conc. Mon. w/ Iron Rod S.E. Cor. N.E. ¼ SEC. 4-30-18
S00°33'39"W 1193.02'
N87°32'01"E 60.10'
EXIST. R/W LINE
HIMES AVE.
1260.00'
1263.41'
S00°47'24"W
SEC. 4, T30S, R18E
SEC. 3, T30S, R18E
COACHMAN ST.
496.00'
Bill Jar
SCALE: 1"=200'
SEE INSERT "A"

EXIST. R/W LINE
1193.02'
S00°33'39"W
SECTION LINE
SEC. 4, T30S, R18E
SEC. 3, T30S, R18E
INLET
24" R.C.P.
30" R.C.P.
CURB
HIMES AVE.
SUBDIVISION
FILED AUG. 6, 1924
WALLCRAFT AVE. *
FIRST AVE. * LYNWOOD
P.B. 10 PAGE 46
3' Utility Easement
Lots 22, 23, 24, 25, 37, 38, 39, 40, 41, 42, 43, 44
⑨
⑬

RIGHT-OF-WAY MAPS ARE FOR CONTRACTOR'S INFORMATION ONLY

NO.	REVISION	BY	DATE

TAMPA-HILLSBOROUGH COUNTY EXPRESSWAY AUTHORITY

SOUTH CROSSTOWN EXPRESSWAY

RIGHT-OF-WAY MAP

J. E. GREINER COMPANY — WATSON & COMPANY
CONSULTING ENGINEERS TAMPA, FLORIDA

MADE W.J.M. DATE 11-8-71 TRACED F.J.R. DATE 5-3-73
CHECKED K.E.W. DATE 5-4-73 SCALE 1" = 50'

Contract No. 1 SHEET NO. 5 OF 7 84

AS BUILT

DEC. 30, 1975.

SECTION	CONTRACT	SOUTH CROSSTOWN EXPRESSWAY	SHEET NO.
10002	2501		6/14-6
By: J.E.G.		TAMPA-HILLSBOROUGH COUNTY EXPRESSWAY AUTHORITY	Date: 3-8-73

STATE ROAD 449

HIMES AVE. CURVE DATA

CURVE NO. "H-1"	CURVE NO. "H-2"
P.I. STA. 53+36.70	P.I. STA. 55+74.63
Δ = 5°56'54" RT.	Δ = 5°56'54" LT.
D = 2°30'00"	D = 2°30'00"
R = 2,291.83'	R = 2,291.83'
L = 237.94'	L = 237.94'
T = 119.07'	T = 119.07'
P.C. STA. 52+17.62	P.R.C. STA. 54+55.56
P.R.C. STA. 54+55.56	P.T. STA. 56+93.50

LINE "A" (RELOCATED S.C.L. R.R.)

CURVE NO. 1	CURVE NO. 2
P.I. STA. 88+50.06	P.I. STA. 95+52.70
Δ = 5°18'18.4" LT.	Δ = 5°18'18.4" RT.
D = 1°00'00"	D = 1°00'00"
R = 5,729.65'	R = 5,729.65'
L_c = 480.52'	L_c = 480.52'
T_1 = 290.45'	T_2 = 290.45'
L_{s_1} = 50.00'	L_{s_2} = 50.00'
S_{A_1} = 0°15'00"	S_{A_2} = 0°15'00"
$T_{s_{H_1}}$ = 33.33'	$T_{s_{H_2}}$ = 33.33'
$T_{s_{B_1}}$ = 16.67'	$T_{s_{B_2}}$ = 16.67'
L_{s_1} = 50.00'	L_{s_2} = 50.00'
S_{A_1} = 0°15'00"	S_{A_2} = 0°15'00"
$T_{s_{H_1}}$ = 33.33'	$T_{s_{H_2}}$ = 33.33'
$T_{s_{B_1}}$ = 16.67'	$T_{s_{B_2}}$ = 16.67'

PARCEL NUMBER	GRANTOR	AREA IN TAKING	REMAINDER RT. ℄	REMAINDER LT. ℄
III.1-R	CHARLES J. BICKIMER JR., ET. AL.	5300.00 S.F.	—	—

REMAINDER NOT SHOWN WHEN OWNERSHIP ENCOMPASSES PROPERTIES TOO LARGE TO BE SHOWN AT THIS SCALE.

NOTE: PARCEL TITLE TO BE ACQUIRED IN FEE SIMPLE UNLESS OTHERWISE DENOTED.

SCALE: 1" = 50'

R18E

EQUALITY:
STA. 99+20.87 ℄ PROJECT =
STA. 52+50.41 ℄ HIMES AVE. CONST.

EQUALITY:
END R/W PROJECT SECTION 10002-2501 STA. 112+81.44 ℄ CONST.
BEGIN R/W PROJECT SECTION 10002-2502 STA. 112+67.00 ℄ SURVEY

ACQUIRED UNDER ℄ PROJECT & ℄ CONSTRUCTION SECTION 10002-2511 CONTRACT 9B

EUCLID AVE.

DREXEL AVE.

FIRST AVE.

50 AVE.

HIMES AVE.

LYNWOOD SUBDIVISION
Filed AUG. 6, 1924
P.B. 10 PAGE 46

MATCH LINE SEE SHEET 5

RIGHT-OF-WAY MAPS ARE FOR CONTRACTOR'S INFORMATION ONLY

LEGEND

POWER POLE	
TELEPHONE POLE	
COMBINATION POLE	
LIGHT STANDARD	
GUY WIRE & ANCHOR PIN	
BURIED ELECTRIC POWER CABLE	
ELECTRIC DUCT	
BURIED TELEPHONE CABLE	
TELEPHONE DUCT	
WATER MAIN	
GAS MAIN	
DRIP POT	
VALVE	
FIRE HYDRANT	
AIR VALVE	
BLOW-OFF	
SANITARY SEWER	
STORM SEWER	
MANHOLE	
STREET NAME FROM PLAT	
PUBLIC RECORDS HILLSBOROUGH COUNTY FLA.	P.R.H.C.F.
PROPERTY LINE	
IRON PIPE	I.P.
IRON ROD	I.R.
CONCRETE MONUMENT	C.M.
FIELD DIMENSION	(F)
DEED DIMENSION	(D)
CALCULATED DIMENSION	(C)

NO	REVISION	BY	DATE
2	ADDED NOTE	J.E.G.	W.J.M. 1-7-74
1	REVISED PARCEL III.1-R	J.E.G.	3-26-73

TAMPA-HILLSBOROUGH COUNTY EXPRESSWAY AUTHORITY

SOUTH CROSSTOWN EXPRESSWAY

RIGHT-OF-WAY MAP

J. E. GREINER COMPANY — WATSON & COMPANY
CONSULTING ENGINEERS TAMPA, FLORIDA

MADE W.J.M. DATE 11-6-72 | TRACED W.J.M. DATE 11-8-72
CHECKED K.E.W. DATE 3-23-73 | SCALE 1" = 50'

Contract No. 1 SHEET NO. 6 OF 7 (84/1)

AS BUILT

DEC. 30, 1975

SECTION	CONTRACT	SOUTH CROSSTOWN EXPRESSWAY	SHEET NO.
10002	2501		R/W-7
By: J.E.G.	TAMPA-HILLSBOROUGH COUNTY EXPRESSWAY AUTHORITY		Date: 9-3-73

EXIST. R/W LINE — MATCH LINE TO SHEET 2 — EXIST. R/W LINE — STATE ROAD 449

℄ DALE MABRY HWY. — N00°56'12"E — S.R. 600 — S.R. 685 (U.S. 92)

380.37' N00°56'12"E — EXIST. R/W LINE — 120.00' S00°56'12"W — EXIST. R/W LINE — N00°56'12"E 300.00' — EXIST. R/W LINE — N00°57'32"E 412.71' — EXIST. R/W LINE

S02°34'24"W 350.14' — LIMITS OF CONST. — 30.51' — LIMITS OF CONST. — 288.49' — 37.19' — 78.94'

R/W LINE — TEMPORARY CONST. EASEMENT — R/W LINE — TEMPORARY CONST. EASEMENT 280.00' — R/W LINE — R/W LINE

S00°56'12"W 380.55' — S00°56'12"W — S00°56'12"W — 60.62' — 60.00' — 449.82' — 53.37' — 75.76' — 1.85' — 26.43'

N89°03'48"W 15.00' — 10.00' — 50.00' — +00.00 — +50.00 — +70.00 — 20.00' — 5.00' — 5.00' — 10.00' — 50' — 20.00' — 50' — 10.5' x 38' RUN — 50.00' — 50' — 50' — 10.5' x 38' RUN

116.1 — 117.1 — 118.1 — 119.1 — 104.1-R — 104.2-R — 103.3-R — 103.4-R — 120.1 — 103.1-R — 103.2-R

Δ = 46°27'06" Lc = 30.00' R = 37.00' — Δ = 90°26'27" Lc = 39.69' R = 25.15'

LEASED TO DONALD J. FLEISHKER & TAMPA SOUTH MANAGEMENT CORP.

TNG. BRNG. S44°03'59"W — TNG BRNG S89°32'55"E — TNG BRNG S89°28'55"E

E-336,500 — E-336,750 — E-337,000 — E-337,250 — E-337,500

LOT "A" — P.B. 31, P. 25 — P. R. H. C. F. — FILED: FEB. 5, 1953 — GANDY BLVD. PARK 2ND. ADDITION

CLARICE COURT — McELROY AVE. — MARLIN AVE. — EXIST. R/W LINE — 347.18' — S89°28'55"E — N89°28'55"W 10.00' — 300' — 100' — 200' — 120' — 80' — 70' — 60' — 65'

ALLISON BUSINESS SITES — FILED: JUNE 8, 1948 — P. R. H. C. F. — P.B. 29, P. 22

S00°56'12"W — N89°28'55"W 100.00' — S89°28'55"E 263.27' — N89°28'55"W 139.13' — S89°28'55"E 199.80' — N89°28'55"W 208.7' — S89°28'55"E 178.22' — N89°28'55"W 142.09' — S89°28'55"E 208.7' — N89°28'55"W 100.00' — S89°28'55"E 53.00' — N89°28'55"W 110.00' — S89°28'55"E 53.00' — N89°28'55"W 110.00' — S89°28'55"E 53.00'

TEMPORARY CONST. EASEMENT — EXIST. R/W LINE — LIMITS OF CONST. — TEMPORARY CONST. EASEMENT — ACCESS EASEMENT — 10' EASEMENT (T.E.C.O.)

121.1 — 122.1 — 123.1 — 124.1 — 125.1 — 126.1

GANDY BLVD. — AL-MAR SUBDIVISION — P.B. 29, P.29 — P. R. H. C. F. — FILED: SEPT. 20, 1948

S00°57'32"W — 612.5' — 612.38' — 612.26' — 350' — 153' — 59.8' — 15.00'

ASPH. — CONC. — GRASS — CURB & GUTTER — MEDIAN — 6" CURB — 8" CURB — 24" SIDEWALK — 20' R/W — 80' R/W — 90' R/W — 1 STY. C.B. CONN. — 1 STY. C.B. CONN. — 1 STY. RESTAURANT — 1 STY. OFFICE — 1 STY. MOTEL — 1 STY. C.B. CONN. — 2 STY. C.B. CONN. — 2 STY. MOTEL — 1 STY. C.B. CONN. — 1 STY. C.B. CONN. — 1 STY. C.B. CONN.

THIS CONTRACT PLAN SET INCLUDES:
ROADWAY PLANS
SIGNING PLANS
LIGHTING PLANS
STRUCTURE PLANS
SANITARY SEWER RELOCATION PLANS

FOR INDEX OF PLANS, SEE APPROPRIATE PLAN SET.

SECTION	CONTRACT	SOUTH CROSSTOWN EXPRESSWAY	SHEET NO.
10002	3502		1
BY: WACO		TAMPA HILLSBOROUGH COUNTY EXPRESSWAY AUTHORITY	DATE: 1974

TAMPA - HILLSBOROUGH COUNTY EXPRESSWAY AUTHORITY

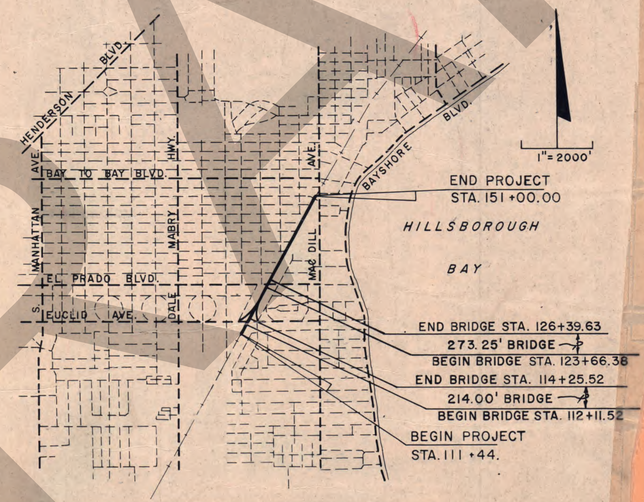
—PLANS OF PROPOSED—

SOUTH CROSSTOWN EXPRESSWAY

HILLSBOROUGH COUNTY TAMPA, FLORIDA

STATE JOB NO. 10002-3502-032

STATE ROAD NO. 449



LENGTH OF PROJECT		
	LIN. FT.	MILES
ROADWAY	3,468.75	0.657
BRIDGES	487.25	0.092
NET LENGTH	3,956.00	0.749
EXCEPTIONS	0.00	0.000
GROSS LENGTH	3,956.00	0.749

CONTRACT NO. 2

EUCLID AVENUE TO MAC DILL AVENUE

Greiner Engineering Sciences, Inc. - WATSON AND COMPANY
Consulting Engineers
To The Tampa - Hillsborough County Expressway Authority
P. O. BOX 23646
TAMPA, FLORIDA 33622
813/879-1711

CONTRACT NUMBER 2 - State Job No. 10002-3502

Description	Drawing Number Sheet No.
Cover Sheet Euclid Avenue to Mac Dill	1
Drainage	2
Control Map	3
Typical Railway section and details flexible pavement	4
Miscellaneous Details	5
Drainage Details Inlet Type BW	6
Summary of Quantities	7
Plan and Profile	8 through 11
Layout Interchange at Euclid Avenue	12
Plan and Profile Ramp A Details	13
Plan and Profile Ramp B Details	14
Plan and Profiles Ramp A and Intersection Returns	15
Plan and Profiles Ramp B Intersection Returns	16
Plan and Profile	17 through 22
Double 5'x4' Box Culvert under expressway (Sta. 119+86.78)	23 and 24
Cover Sheet - Sanitary Sewer Relocation	~~25~~ SS-1
Summary of Quantities	SS-2
Plan and Profile	SS-3
Miscellaneous Details	SS-4 & S-5

Total No. Mylar Sheets 24.

AS BUILT

84/1

SECTION	CONTRACT	SOUTH CROSSTOWN EXPRESSWAY	SHEET NO.
10002	3502		1
BY: WACO		TAMPA HILLSBOROUGH COUNTY EXPRESSWAY AUTHORITY	DATE: 1974

THIS CONTRACT PLAN SET INCLUDES:
- ROADWAY PLANS
- SIGNING PLANS
- LIGHTING PLANS
- STRUCTURE PLANS
- SANITARY SEWER RELOCATION PLANS

FOR INDEX OF PLANS, SEE APPROPRIATE PLAN SET.

TAMPA - HILLSBOROUGH COUNTY EXPRESSWAY AUTHORITY

—PLANS OF PROPOSED—

SOUTH CROSSTOWN EXPRESSWAY

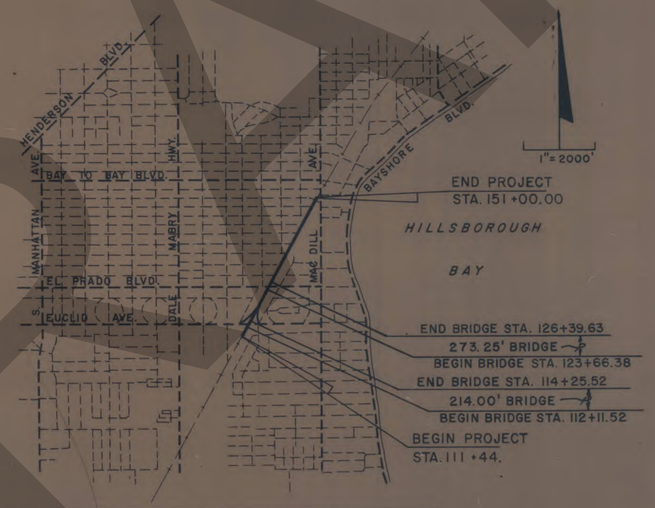
HILLSBOROUGH COUNTY TAMPA, FLORIDA

STATE JOB NO. 10002-3502-032

STATE ROAD NO. 449

SHEET NO.	TITLE
1	Key Map
2	Drainage Map
3	Control Map
4	Typical Sections
5	Miscellaneous Details
6	Drainage Details (Inlet Type BW)
7	Summary of Quantities
8 - 10	Plan and Profiles (Mainline)
11	Concordia Ave. Relocation
12 - 16	Interchange Details and Profiles
17 - 22	Drainage Structures
23 - 24	Special Box Culvert Details
25	Soil Classification Sheet
26 - 49	Roadway Cross-Sections
50-55C, 5G-59	Approach Slabs and Special Details
60	Borrow Area 1
R/W-1 - R/W-2	Right of Way Maps

INDEX NO.	STANDARD DRAWING
194	Standard Abreviations (2 Sheets)
195	Standard Symbols for Key Maps and Plan Sheets (3 Sheets)
1101-W	Miscellaneous Roadway Construction Details (2 Sheets)
1129-G	U-Endwalls for Pipe Culverts (3 Sheets)
2300-R	Guardrail Construction (4 Sheets)
5010-H	Superelevation Details
5016-B	Turnout Details
5047-G	Inlet, Manhole and Junction Box Types P and J (2 Sheets)
5049-A	Inlet Type Z
5072-G	Details of Fencing (2 Sheets)
5073-L	Standard Details for Ramp Terminals (3 Sheets)
5080-G	Curb, Curb and Gutter and Traffic Separator (2 Sheets)
5086-A	Shoulder Gutter Inlet Type Y
5061-E	Miscellaneous Drainage Details (2 Sheets)
5046-D	Standard Ditch Bottom Inlets





LENGTH OF PROJECT		
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ROADWAY	3,468.75	0.657
BRIDGES	487.25	0.092
NET LENGTH	3,956.00	0.749
EXCEPTIONS	0.00	0.000
GROSS LENGTH	3,956.00	0.749

GENERAL SPECIFICATIONS

FLORIDA DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION - 1973 OR AS MODIFIED BY THE CONTRACT SPECIAL PROVISIONS.

AS BUILT
APR 21 1976

ATTENTION IS DIRECTED TO THE FACT THAT THESE PLANS MAY HAVE BEEN REDUCED IN SIZE BY REPRODUCTION. THIS MUST BE CONSIDERED WHEN OBTAINING SCALED DATA.

APPROVAL RECOMMENDED 2-25-74
BY James C. Sawyer
J.E. GREINER CO. INC. - WATSON AND COMPANY

APPROVED 2-26-74
BY Bob Lester
CHAIRMAN
TAMPA-HILLSBOROUGH COUNTY EXPRESSWAY AUTHORITY

CONTRACT NO. 2

EUCLID AVENUE TO MAC DILL AVENUE

WATSON AND COMPANY
CONSULTING ENGINEERS TAMPA, FLORIDA
SUBMITTED Robert D. Crow DATE 2-11-74

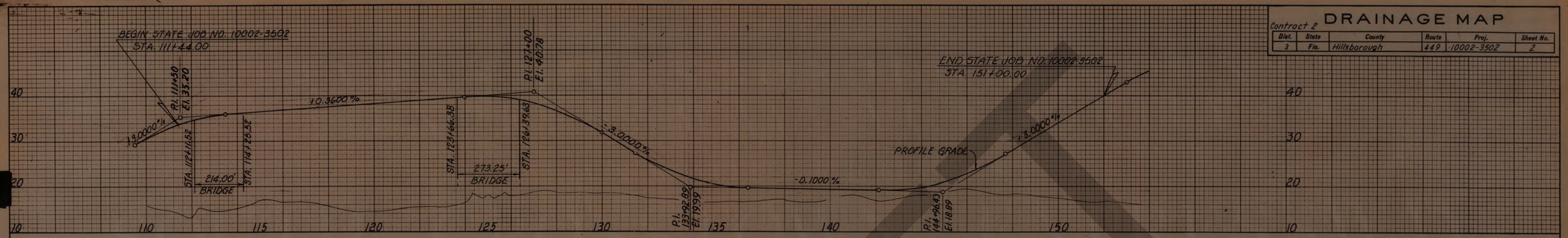
84
1

DRAFT

DRAINAGE MAP

Contract 2

Dist.	State	County	Route	Proj.	Sheet No.
3	Fla.	Hillsborough	449	10002-3502	2





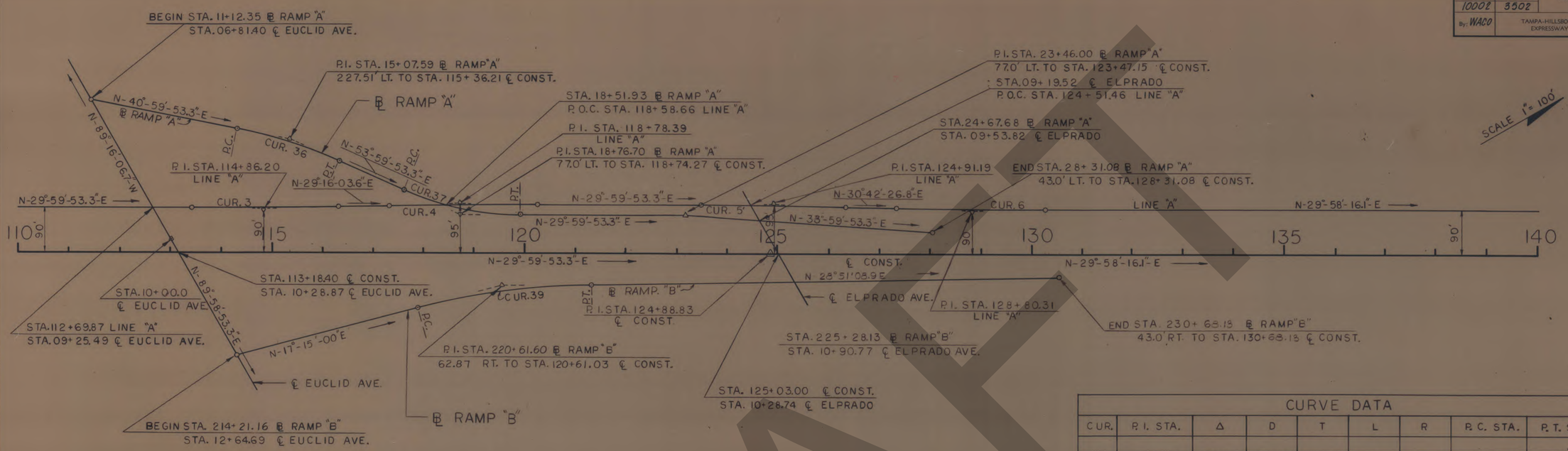
DRAFT

AS BUILT
APR 21 1976

34
1

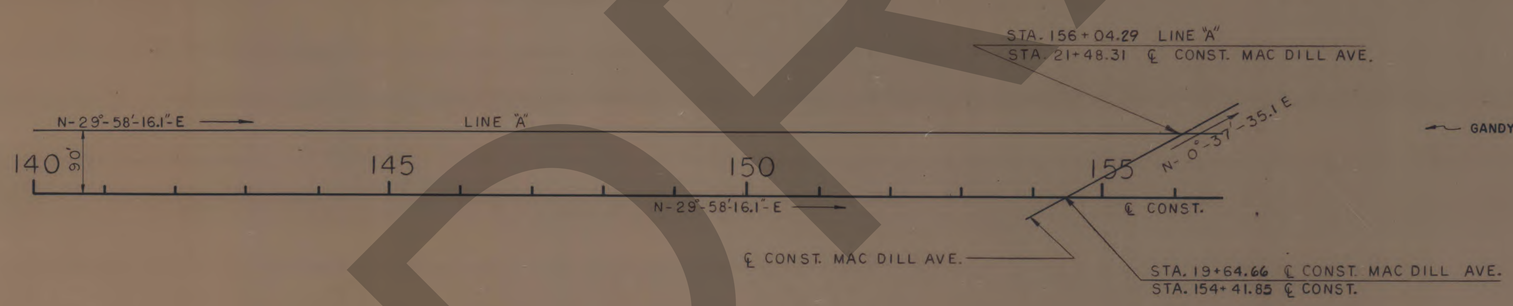
Contract No. 2.

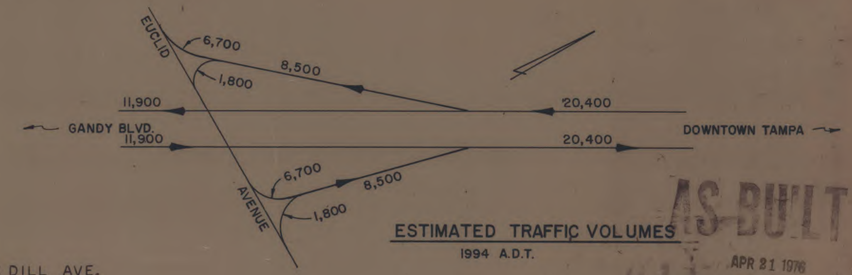
SECTION	CONTRACT	SOUTH CROSSTOWN EXPRESSWAY	SHEET NO.
10002	3502		3
By: WACO		TAMPA-HILLSBOROUGH COUNTY EXPRESSWAY AUTHORITY	Date: 1974



CURVE DATA

CUR.	P.I. STA.	Δ	D	T	L	R	P.C. STA.	P.T. STA.
37	18+76.70	24°00'00"	10°00'00"	121.79'	240.0'	572.96'	17+54.91	19+94.91
36	15+07.59	13°00'00"	6°00'00"	108.80'	216.67'	954.93'	13+98.79	16+15.46
39	220+61.60	11°36'39"	5°00'00"	116.42'	232.05'	1145.92	219+45.18	221+77.23
3	114+86.20	00°43'49"	00°15'00"	146.10'	292.19	22918.35	113+40.10	116+32.29
4	118+78.39	00°43'49"	00°15'00"	146.10'	292.19	22918.35	117+32.29	120+24.48
5	124+91.19	00°42'33"	00°15'00"	141.86'	288.72	22918.35	123+49.33	126+33.05
6	128+80.31	00°44'07"	00°15'00"	147.26'	294.52	22918.35	127+33.05	130+27.57





AS-BUILT
APR 21 1976

NO.	REVISION	BY	DATE

TAMPA-HILLSBOROUGH COUNTY
EXPRESSWAY AUTHORITY

SOUTH CROSSTOWN EXPRESSWAY

CONTROL MAP

J. E. GREINER COMPANY — WATSON & COMPANY
CONSULTING ENGINEERS TAMPA, FLORIDA

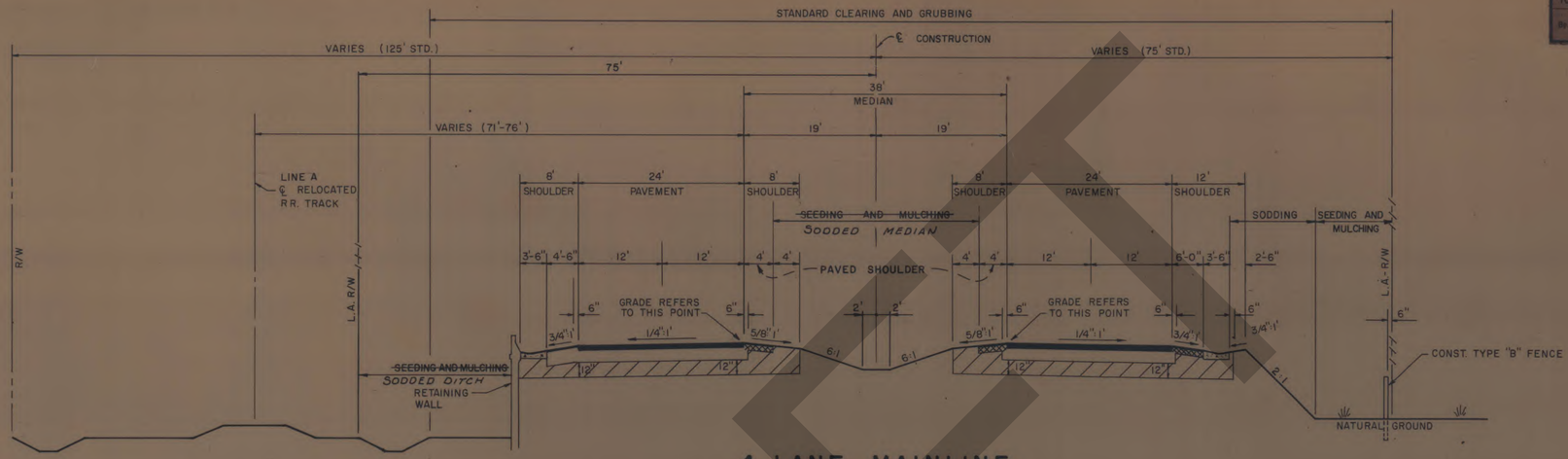
MADE VIJAY DATE
CHECKED D.M. DATE
TRACED J.R.S. DATE
SCALE 1" = 100'

84
1

Contract No. 2.

DRAFT

SECTION	CONTRACT	SOUTH CROSSTOWN EXPRESSWAY	SHEET NO.
10002	3502		4
By WACO		TAMPA-HILLSBOROUGH COUNTY EXPRESSWAY AUTHORITY	Date 1974



4 LANE MAINLINE

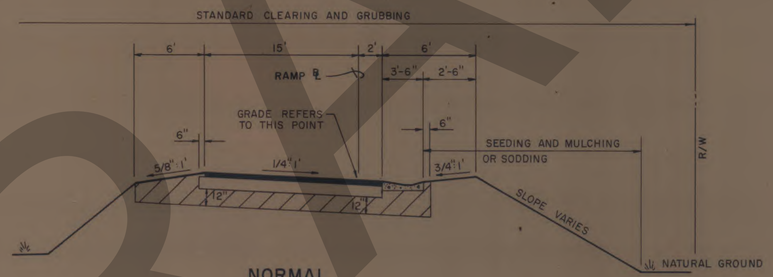
DESIGN SPEED 50 M.P.H.

LEGEND

- 1" ASPHALTIC CONCRETE WEARING COURSE (SHOULDERS) SEE NOTE 1.
- 3" ASPHALTIC CONCRETE PAVEMENT: TYPE S-1 ASPHALTIC CONCRETE BASE COURSE (2" THICK, SINGLE COURSE) WITH ASPHALTIC CONCRETE WEARING COURSE (1" THICK) TOP LAYER.
- 10" LIMEROCK BASE (DOUBLE COURSE) PRIMED FOR MAINLINE AND RAMPS
- 12" STABILIZED ROADBED (MINIMUM L.B.R. 40)
- 5" PAVED SHOULDER BASE MATERIAL (LIMEROCK OR SAND-ASPHALT HOT MIX).

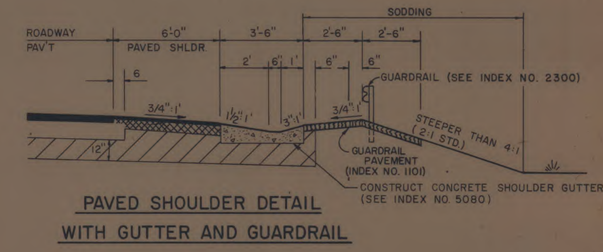
GENERAL NOTES

1. For Limits Of Shoulder Pavement See Detail Plans.
   Shoulder Pavement Alternates
   F. Limerock Base (5" Thick) Primed With Type S-1 Asphaltic Concrete Base Course (1" Thick), and A.C. Wearing Course (1" Thick)
   G. Sand-Asphalt Hot Mix Base (5" Thick) 800 lb Stability, with A.C. Wearing Course (1" Thick)
2. When Width Of Shoulder To Be Constructed Adjacent To Curb And Gutter Or Shoulder Gutter Is Less Than 6', The Shoulder Pavement Shall Be Identical To The Adjacent Roadway Pavement.
3. Sodding Will Be Placed As Shown On Sodding Tabulation And In Detail Plan.
4. Limits Of Selective Clearing And Grubbing As Directed By The Engineer. Special Care Will Be Taken To Preserve Trees Not In The Actual Path Of Construction.
5. For Additional Detail See Index Nos. 1101, 2300, 5010, 5072, and 5080.
6. For Fill Slopes See Roadway Cross-Sections.

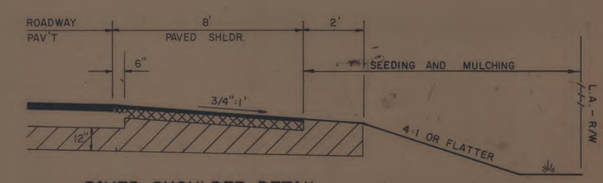


NORMAL

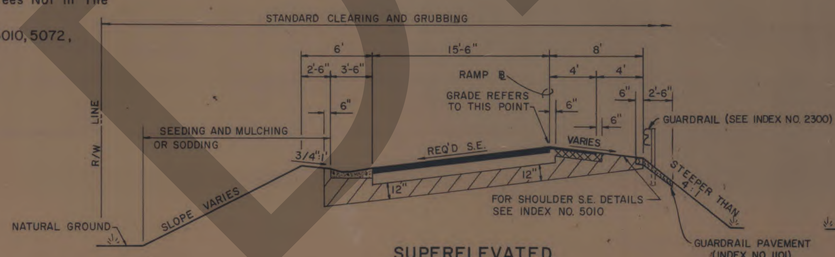
NOTE: FILL SLOPES VARY TO MEET RIGHT OF WAY AND OTHER REQUIREMENTS SEE ROADWAY CROSS SECTIONS. ALL SLOPES STEEPER THAN 4:1 TO BE SODDED. ALL SLOPES FLATTER THAN 4:1 TO BE SEEDED AND MULCHED.



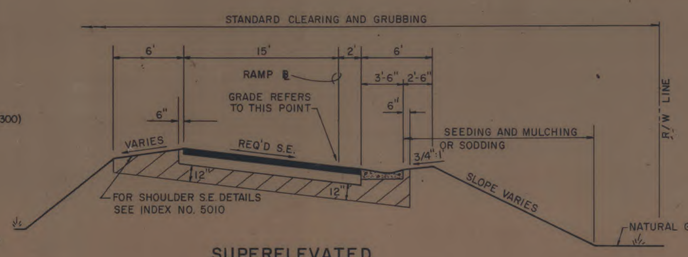
PAVED SHOULDER DETAIL
WITH GUTTER AND GUARDRAIL



PAVED SHOULDER DETAIL



SUPERELEVATED



SUPERELEVATED

RAMPS

DESIGN SPEED 0 TO 35 M.P.H.

AS BUILT
APR 21 1976

NO.	REVISION	BY	DATE

TAMPA-HILLSBOROUGH COUNTY EXPRESSWAY AUTHORITY

SOUTH CROSSTOWN EXPRESSWAY

TYPICAL ROADWAY SECTIONS & DETAILS FLEXIBLE PAVEMENT

J. E. GREINER COMPANY — WATSON & COMPANY
CONSULTING ENGINEERS TAMPA, FLORIDA

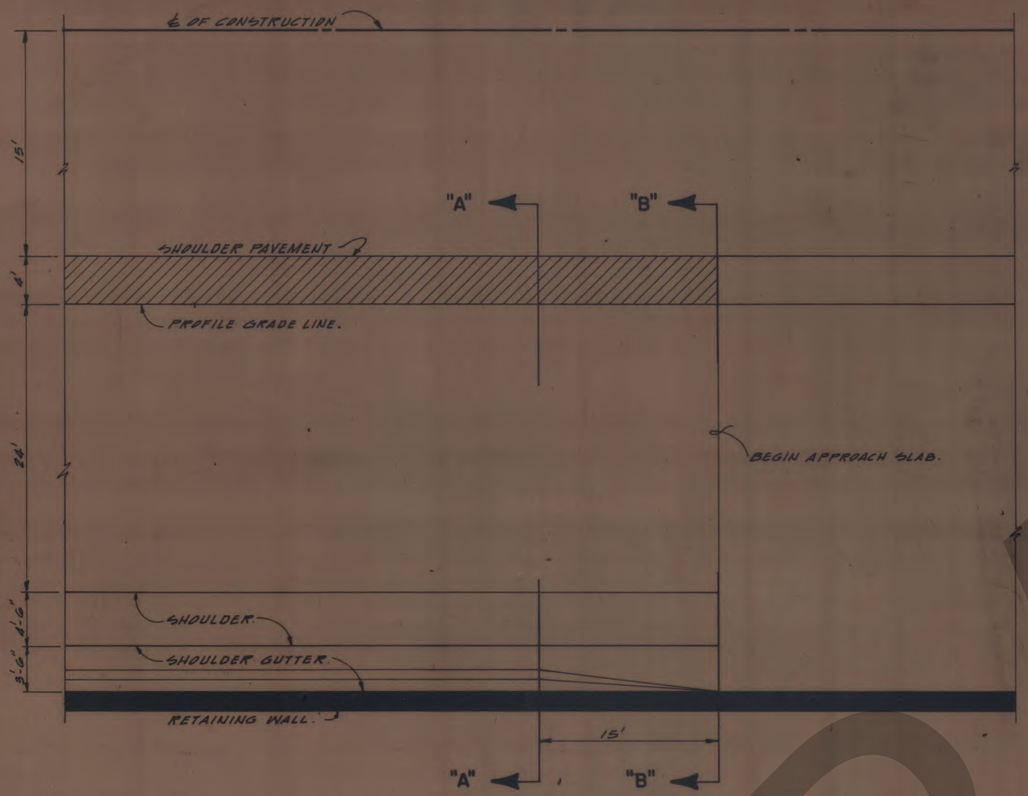
MADE R.D.C. DATE 9/'72 TRACED C.M. DATE 9/'72
CHECKED J.C. DATE 27 '72 SCALE

Contract No. 2.

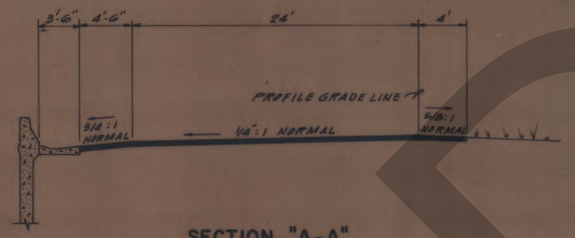
84/1

DRAFT

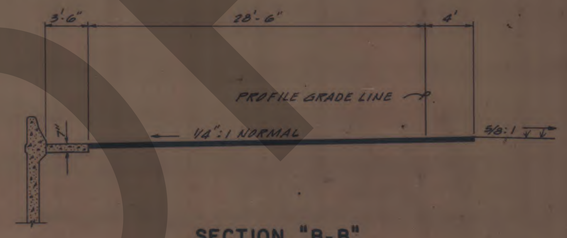
SECTION	CONTRACT	SOUTH CROSSTOWN EXPRESSWAY	SHEET NO.
10002	3502		5
By: WACO		TAMPA-HILLSBOROUGH COUNTY EXPRESSWAY AUTHORITY	Date: 1974



PLAN

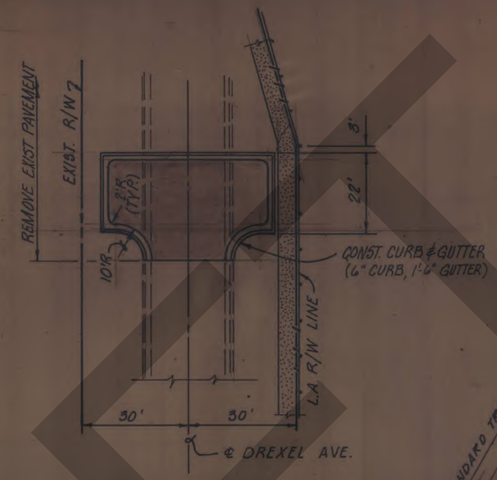


SECTION "A-A"
RETAINING WALL.



SECTION "B-B"
APPROACH SLAB

15' TRANSITION — RETAINING WALL TO APPROACH SLAB



CUL-DE-SAC DETAILS

PAVEMENT TO BE LIMEROCK BASE (9" THICK, DOUBLE COURSE) WITH TYPE S-I ASPHALTIC CONCRETE (2" THICK) SURFACE

TRANSITION DETAIL

RETAINING WALL SECTION TO SHOULDER GUTTER SECTION.

AS BUILT

APR 21 1976

NO.	REVISION	BY	DATE

TAMPA-HILLSBOROUGH COUNTY EXPRESSWAY AUTHORITY

SOUTH CROSSTOWN EXPRESSWAY

MISCELLANEOUS DETAILS

J. E. GREINER COMPANY — WATSON & COMPANY
CONSULTING ENGINEERS — TAMPA, FLORIDA

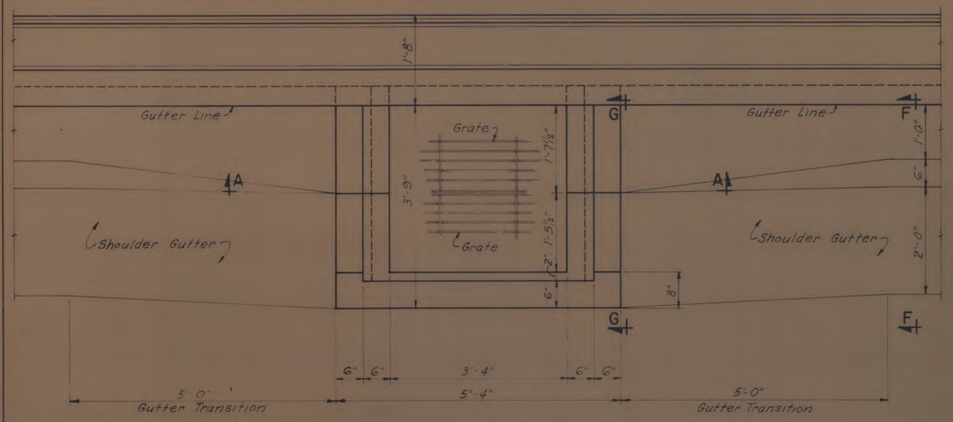
MADE J.L.H.	DATE 1973	TRACED E.J.	DATE 1973
CHECKED J.N.C.	DATE 1973	SCALE N.T.S.	

84

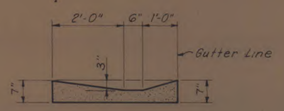
Contract No. 2.

DRAFT

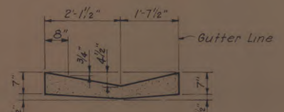
SECTION	CONTRACT	SOUTH CROSSTOWN EXPRESSWAY	SHEET NO.
10002	3502		6
By WACO		TAMPA-HILLSBOROUGH COUNTY EXPRESSWAY AUTHORITY	Date 1974



PLAN

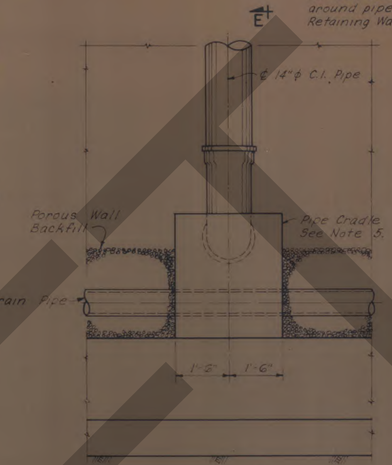


SECTION F-F

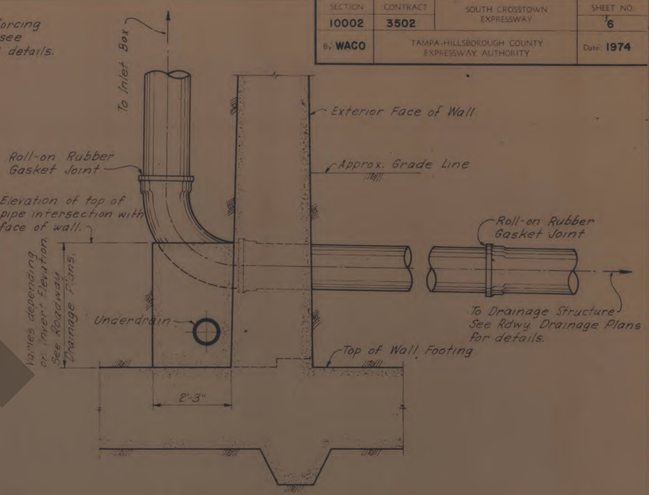


SECTION G-G

DETAILS OF SHOULDER GUTTER TRANSITION



E
ELEVATION



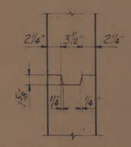
SECTION E-E

PIPE CRADLE DETAILS

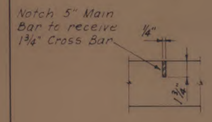
EYE BOLT AND CHAIN DETAIL FOR SECURING OF INLET GRATES

B C
SECTION A-A

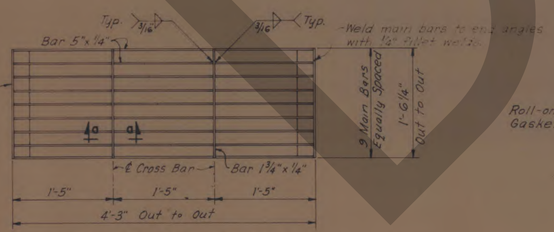
NOTE: All reinforcing steel to be #4 bars @ 1'-0" centers. See sections for leg dimensions.



CONSTRUCTION JOINT KEY DETAIL

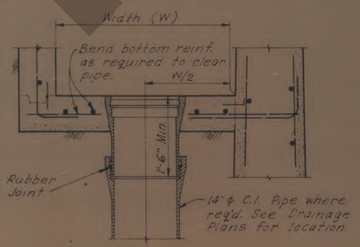


section a-a

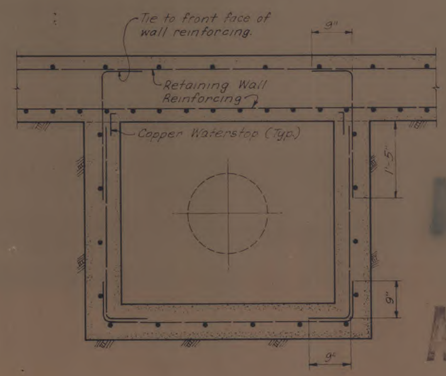


STEEL GRATING DETAILS
(2 Required)

SECTION B-B



SECTION C-C



SECTION D-D

NOTES

1. Concrete for Box to be Class II.
2. All reinforcing to have a minimum of 2" concrete cover unless otherwise noted.
3. Copper waterstop shall be continuous 24 oz. copper strip, 6" wide.
4. All items necessary for the completion of each box, including grates and reinforcing embedded in retaining wall, etc., shall be included in the Contract Unit Price bid for each inlet.
5. Pipe Cradle to be Class I. Concrete accurately shaped so as to fit contour of pipe surface, extending as shown from top of pipe intersection with face of wall to top of footing.
6. All exposed edges to be tooled to ¼" radius.

AS BUILT

AS BUILT
APR 21 1976

Contract No. 2.

NO.	REVISION	BY	DATE

TAMPA-HILLSBOROUGH COUNTY EXPRESSWAY AUTHORITY

SOUTH CROSSTOWN EXPRESSWAY

DRAINAGE DETAILS INLET TYPE BW

J. E. GREINER COMPANY — WATSON & COMPANY
CONSULTING ENGINEERS — TAMPA, FLORIDA

MADE	R.M.W.	DATE	10-72	TRACED	R.M.W.	DATE	10-72
CHECKED	L.H.S.	DATE	10-72	SCALE	None		

STANDARD DRAWING NO. 21

84
1

SECTION	CONTRACT	SOUTH CROSSTOWN EXPRESSWAY	SHEET NO.
10002	3502		7
By WACO	TAMPA-HILLSBOROUGH COUNTY EXPRESSWAY AUTHORITY		Date: 1974

SUMMARY OF ROADWAY QUANTITIES

	ITEM NO.	ITEM	ASBUILT QUANTITY	UNIT	QUANTITY
	101-1	MOBILIZATION	1	LUMP SUM	1
	102-1	MAINTENANCE OF TRAFFIC	1	LUMP SUM	1
	102-4	CALCIUM CHLORIDE FOR DUST CONTROL	0	TON	30
	104-1	ARTIFICIAL COVERINGS	0	SQ. YD.	730
	104-2	MULCHING (TEMPORARY)	0	SQ. YD.	3,650
	104-3	SODDING (TEMPORARY)	1,920	SQ. YD.	1,460
	104-4	MOWING	0	ACRE	4
	104-5	SANDBAGGING	10	CU. YD.	20
	104-6	SLOPE DRAINS (TEMPORARY)	0	LIN. FT.	120
	110-1	CLEARING AND GRUBBING	1	LUMP SUM	1
	120-4	SUBSOIL EXCAVATION	34,726	CU. YD.	11,100
	120-6	EMBANKMENT	218,834	CU. YD.	200,089
	120-8	FINAL DRESSING	1	LUMP SUM	1
	160-4	TYPE B STABILIZATION	35,984	SQ. YD.	35,996
	200-1-8	LIMEROCK BASE (5" THICK)		SQ. YD.	5,237
Shld ALT F	300-1-1B	BITUMINOUS MATERIAL (PRIME COAT)		GAL	786
Shld ALT F	300-1-3B	BITUMINOUS MATERIAL (TACK COAT)		GAL	524
Shld ALT F	300-1-13B	BITUMINOUS MATERIAL (PLANT MIX)(A.C. 20)		GAL	4,006
	331-1-1	TYPE S-1 ASPHALTIC CONCRETE (1" THICK)		SQ. YD.	5,237
Shld ALT G	300-1-3C	BITUMINOUS MATERIAL (TACK COAT)	0	GAL	524
Shld ALT G	300-1-13C	BITUMINOUS MATERIAL (PLANT MIX)(A.C. 20)	19,173	GAL	20,027
Shld ALT G	335-1-61	SAND-ASPHALT HOT MIX (5"THICK)(900 LB. STABILITY)	5,396	SQ YD	5,237
	200-1-3	LIMEROCK BASE (10" THICK)[DOUBLE COURSE]	24,139	SQ YD	23,494
	200-1-7	LIMEROCK BASE (9" THICK)[DOUBLE COURSE]	997	SQ YD	829
	300-1-1A	BITUMINOUS MATERIAL (PRIME COAT)	2,780	GAL	3,648
	300-1-3A	BITUMINOUS MATERIAL (TACK COAT)	764	GAL	5,428
	300-1-13A	BITUMINOUS MATERIAL (PLANT MIX)(A.C. 20)	66,182	GAL	48,047
	331-1-5	TYPE S-I ASPHALTIC CONCRETE (2" THICK)	26,709	SQ. YD.	24,937
	338-70-1	ASPHALTIC CONCRETE WEARING COURSE (1" THICK)	38,679	SQ. YD.	29,345
	339-70	MISCELLANEOUS ASPHALT PAVEMENT [PAVEMENT UNDER GUARDRAIL]	224.4	TON	200
	360-1	CONCRETE APPROACH SLABS	9	EACH	9
	400-1-2	CLASS I CONCRETE (ENDWALLS)	26.36	CU. YD.	24
	400-2-1	CLASS II CONCRETE (CULVERTS)	224	CU. YD.	224
	415-1-1	REINFORCING STEEL (ROADWAY)	33,439	POUND	33,097
	425-1-1	INLETS (CURB)	4	EACH	4
	425-1-2	INLETS (DITCH BOTTOM)	7	EACH	6
	425-1-3	INLETS (SPECIAL)[RETAINING WALL]	13	EACH	13
	425-2	MANHOLES	2	EACH	2
	425-74	SHOULDER GUTTER INLETS	8	EACH	8
	430-1-22	CONCRETE PIPE CULVERT (15")[STORM SEWER]	794	LIN. FT.	785
	430-1-23	CONCRETE PIPE CULVERT (18")[STORM SEWER]	194	LIN. FT.	190
	430-1-24	CONCRETE PIPE CULVERT (24")[STORM SEWER]	64	LIN. FT.	64
	430-15-6	CAST IRON PIPE CULVERT (14")(STANDARD)	159	LIN. FT.	159
ALT.	430-2-22	CORRUGATED STEEL PIPE CULVERT (15")[GUTTER DRAIN]	145	LIN. FT.	145
ALT.	430-8-22	CORRUGATED ALUMINUM PIPE CULVERT (15")[GUTTER DRAIN]		LIN. FT.	145
	460-71	ENDWALL GRATE	942	POUND	731
	520-1-1	CONCRETE CURB AND GUTTER (6" CURB, 15' GUTTER)	1094.8	LIN. FT.	1,016
	520-2-1	CONCRETE CURB (TYPE A)	186.2	LIN. FT.	187
	520-3	CONCRETE VALLEY GUTTER	0	LIN. FT.	76
	520-6	CONCRETE SHOULDER GUTTER	5328.3	LIN. FT.	5,279
	522-1	CONCRETE SIDEWALK, 4" THICK	592	SQ. YD.	451
	522-2	CONCRETE SIDEWALK, 6" THICK	32	SQ. YD.	100
	536-1-1	GUARDRAIL (ROADWAY)	4216.3	LIN. FT.	3,600
	524-1-1	CONCRETE DITCH PAVEMENT (3"THICK)	279	SQ. YD.	20
	536-6	END ANCHORAGE ASSEMBLIES, TYPE II	16	EACH	14
	544-75	VEHICULAR IMPACT ATTENUATOR [HYDRO-CELL]	1	EACH	1
	550-2	FENCING, TYPE B	4,935.6	LIN. FT.	4,625
	550-3-2	CORNER POST ASSEMBLIES (TYPE B FENCE)	16	EACH	13
	550-4-2	PULL AND END POST ASSEMBLIES (TYPE B FENCE)	19	EACH	10
	550-70-2	FENCE GATES (TYPE B FENCE)	5	EACH	4
	570-2	SEEDING AND MULCHING	25,362	SQ. YD.	61,000
	570-3	GRASS SEED (PERMANENT TYPE)	545	POUND	1,260
	570-4	MULCH MATERIAL	17.7	TON	40
	570-5	FERTILIZER	6.3	TON	7
	570-9	WATER FOR GRASSING	61.5	M. GALS.	91
	570-10	GRASS SEED (QUICK-GROWING TYPE)	163	POUND	189
	575-1	SODDING	32,623	SQ. YD.	11,875
	110-5	PLUGGING WELLS (S.A.-1)	2	EACH	2
	110-3	REMOVAL OF EXISTING STR. (S.A.-2)	1	LUMP SUM	1
	300-1-13A	BITUMINOUS MATERIAL AC-20 (S.A.-3)	1081	GAL	1081
	331-32-9A	TYPE S-1 ASPH. 1" (S.A.-3)	1184	SQ. YD.	1184
	W.M.-1	4" CAST IRON PIPE (S.A.-4)	406	LIN. FT.	406
	W.M.-2	CAST IRON FITTINGS (S.A.-4)	676	POUND	676
	W.M.-3	THRUST BLOCKS (S.A.-4)	8	EACH	6

SUMMARY OF GUARDRAIL

STATION TO STATION	RT. ROADWAY LT.	RT. ROADWAY RT.	LT. ROADWAY LT.	LT. ROADWAY RT.	TOTAL
111+00 — 112+11.52	112.5				~~112.5~~ 158.8 (1)
114+25.52 — 115+45				112.5	~~112.5~~ 158.7 (1)
115+00 — 119+50		450.0			~~450.0~~ 455.9
122+50 — 123+66.38	112.5				~~112.5~~ 158.7 (1)
126+39.63 — 129+10				275.0	~~275.0~~ 294.5 (1)
127+50 — 128+62.50	112.5				~~112.5~~ 117.5
133+00 — 136+50		350.0			~~350.0~~ 354.9
133+00 — 138+50			550.0		~~550.0~~ 554.3
143+02.50 — 143+65	62.5				~~62.5~~ 104.7
143+50 — 146+00			250.0		~~250.0~~ 254.0
RAMP "A"					
12+60 — 16+35	375.0				~~375.0~~ 378.5
13+12.50 — 16+00		287.5			~~287.5~~ 291.5
RAMP "B"					
216+00 — 221+50		550.0			~~550.0~~ 555
RAMP "B" RETURN #2					17.4
TOTAL LINEAL FEET					~~3,600~~ 4216.3

(1) DID NOT ALLOW FOR BACKRAIL ON ESTIMATE.
Note Figures ON Right are As Built's

SUMMARY OF SODDING

STATION TO STATION		LT.	MED.	RT.	TOTAL	ASBUILT
114+50 — 119+00	114+50 — 119+00 RT			2,106	2,106	2151
126+39.63 — 134+00	126+40 — 151+00 Med		507		507	7967
133+00 — 136+00	133+00 — 136+00 RT			462	462	2136
133+00 — 138+00	125+00 — 151+00 LT	799			799	7480
143+00 — 143+50	143+00 — 143+50 LT			78	78	157
144+00 — 146+00		382			382	
145+00 — 151+00			400		400	
RAMP "A"						
13+00 — 16+41.50		1,816			1,816	1363
13+62.79 — 16+41.50				942	942	972
RAMP "B"						
216+00 — 222+00				2,883	2,883	2992
CONTINGENCY					1,500	192
111+44 TO 112+38	LT. DITCH					320
111+44 To 112+19	MED.					195
114+19 To 123+22	MED					2978
112+73 TO 118+80	LT. WEST OF R.R.					1582
113+08 TO 123+31	LT. EAST OF R.R.					2138
TOTAL SQUARE YARDS					11,875	32,623

NOTE, EXTRA SODDING DUE MOSTLY TO MEDIAN & AREA AROUND R.R. TO ELIMINATE EROSION & FOR BETTER AESTHETICS.

SUMMARY OF EARTHWORK

*ROADWAY EXC. A-2, A-3 MATERIAL	4,318 C.Y.
SUBSOIL EXC. A-2, A-3 MATERIAL	7,070 C.Y.
Ø SUBSOIL EXC. A-8 MATERIAL	4,030 C.Y.
TOTAL SUBSOIL EXC.	11,100 C.Y.
EMBANKMENT	200,089 C.Y.

*THERE IS NO DIRECT PAY FOR ROADWAY EXCAVATION. ANY SUITABLE MATERIAL MAY BE USED IN THE EMBANKMENT AT THE OPTION OF THE CONTRACTOR.

Ø A-8 MATERIAL TO BE DISPOSED OF BY THE CONTRACTOR IN AREAS PROVIDED BY HIM UNLESS OTHERWISE DIRECTED BY THE ENGINEER.

GENERAL NOTES:

ITEM NO 120-6 ANY BORROW EXCAVATION REQUIRED SHALL BE FURNISHED BY THE CONTRACTOR FROM AREAS PROVIDED BY HIM AND/OR BORROW AREA ONE AS SHOWN ON SHEET NUMBER 60 AND THE COST OF FURNISHING SUCH MATERIAL IS TO BE INCLUDED IN THE PRICE FOR EMBANKMENT.
ITEM NO'S 104-1 THROUGH 104-6 ARE ESTIMATED QUANTITIES FOR PREVENTION, CONTROL, AND ABATEMENT OF SOIL EROSION AND WATER POLLUTION. TO BE USED AT LOCATIONS DESIGNATED BY THE ENGINEER.

ITEM NO.524-1-1 INCLUDES 7 S.Y. FOR CONTINGENCIES TO BE USED, IF NECESSARY, AS DIRECTED BY THE ENGINEER.

NOTES:

1. FOR BRIDGE ITEMS & QUANTITIES, SEE BRIDGE PLANS.
2. FOR RETAINING WALL ITEMS & QUANTITIES, SEE BRIDGE PLANS.
3. FOR HIGHWAY SIGN ITEMS & QUANTITIES, SEE ROADWAY SIGNING PLANS.
4. FOR LIGHTING ITEMS & QUANTITIES, SEE LIGHTING PLANS.
5. GUARDRAIL STATIONS ARE APPROXIMATELY ONLY AND ARE TO BE ADJUSTED IN THE FIELD BY THE ENGINEER, IF NECESSARY.
6. FOR SANITARY SEWER RELOCATION ITEMS & QUANTITIES SEE SANITARY SEWER RELOCATION PLANS.

ITEM NO. 570-2 INCLUDES 12,165 SQ.YD'S FOR TEMPORARY GRASSING.
ITEM NO. 570-3 INCLUDES 250 LB'S FOR TEMPORARY GRASSING.

ITEM NO. 570-5 INCLUDES 1.1 TONS FOR TEMPORARY GRASSING.
ITEM NO. 570-9 INCLUDES 28.24 M. GAL'S FOR TEMPORARY GRASSING.
ITEM NO. 570-10 INCLUDES 38 LB'S FOR TEMPORARY GRASSING.
ITEM NO. 575-1 INCLUDES 1,500 S.Y FOR CONTINGENCIES TO BE USED, IF NECESSARY, AS DIRECTED BY THE ENGINEER.

AS BUILT
APR 21 1976

NO	REVISION	BY	DATE

TAMPA-HILLSBOROUGH COUNTY EXPRESSWAY AUTHORITY
SOUTH CROSSTOWN EXPRESSWAY

SUMMARY OF QUANTITIES

J. E. GREINER COMPANY — WATSON & COMPANY
CONSULTING ENGINEERS — TAMPA, FLORIDA

MADE R.D.C. DATE 2/74 — TRACED C.M. DATE 2/74
CHECKED R.D.C. DATE 2/74 — SCALE

Contract No. 2.

84/1

DRAFT

SECTION	CONTRACT	SOUTH CROSSTOWN EXPRESSWAY	SHEET NO.
10002	3502		8
By WACO		TAMPA-HILLSBOROUGH COUNTY EXPRESSWAY AUTHORITY	Date 1974

STA. 11+12.35 ℄ RAMP "A" = STA. 6+81.40 ℄ EUCLID AVE.

FOR ADDITIONAL DETAILS OF RAMP "A" SEE SH. NO. 13

P.T. 4' LT. STA. 11+80.63 ℄ RAMP "A"

30' (TO REMAIN)

CONSTRUCTED 10' GATE

N 40° 30' 53.3" E

60 L.F. FENCE ADDED

P.C. STA. 13+98.79 ℄ RAMP "A"

P.T. STA. 16+15.40 ℄ RAMP "A"

℄ RAMP "A"

P.T. 19' RT. STA. 12+57.90 ℄ RAMP "A"

END TAPER 15' RT. STA. 13+82.91 ℄ RAMP "A"

P.C.C. STA. 7+84.50 ℄ EUCLID AVE.

P.C. 24' LT. STA. 7+93.04 ℄ EUCLID AVE.

BEGIN RAMP BRIDGE STA. 16+41.50 ℄ RAMP "A"

Fence Constructed as Shown

P.C. STA. 17+54.91 ℄ RAMP "A"

BILE FENCE ADDED

1ST. CONC. RES.

115

120

CONST. CONC. BOX CULVERT (SEE SHEET NO. 23 & 24)

S.C.L. R/W LINE

BT (100 Pr)

CONST. TYPE "B" FENCE

Exist. S.C.L. R.R.

P.T. STA. 19+94.91 RAMP "A"

P.I. STA. 23+46.00 ℄ RAMP "A"

L.A. R/W LINE

BEGIN BRIDGE STA. 112+11.52

END BRIDGE STA. 114+25.52

CONST. RETAINING WALL 2-L

CONST. SHOULDER GUTTER

CONST. Vehicular Impact Attenuator (Hydro-Cell) (See Sheet Nos. 55, 55A, 55B and 55C)

CONST. RETAINING WALL 1-L

CONSTRUCTED 158.7 L.F. GUARDRAIL

CONSTRUCTED 158.8 L.F. OF GUARDRAIL

CONST. GUARDRAIL

CONST. RETAINING WALL 1-R

N 29° 59' 53.3" E

℄ CONST.

STA. 221+50 BEGIN WALL

CONSTRUCTED 158.7 L.F. GUARDRAIL

STA. 113+18.40 ℄ CONST. = STA. 10+28.87 EUCLID AVE.

STA. 115+00 END WALL

50' TRANS TO 12' SHLDR.

PLUG EXISTING ARTESIAN WELL

CONST. SHLDR GUTTER

CONSTRUCTED 455.9 L.F. CONST. GUARDRAIL

N 17° 15' 00" E

NO. SE 13' RT. STA. 220+16.25 ℄ CONST.

15' LT. STA. 220+17.66 ℄ RAMP "B"

D.P.I. 11.0

PLUG EXISTING ARTESIAN WELL

CONSTRUCTED DITCH PAVEMENT

PC STA 219+45.18 ℄ RAMP "B"

PT STA. 221+72.3 ℄ RAMP "B"

CONSTRUCTED DITCH CONST. PAVEMENT

BEGIN BRIDGE STA. 123+66.38 ℄ CONST.

RETAINING WALL 2-R

℄ RAMP "B"

CONST. TYPE "B" FENCE

L.A. R/W LINE

BEGIN STATE JOB NO. 10002-3502 STA. 111+44.00

FOR ADDITIONAL DETAILS OF RAMP "B" SEE SH. NO. 14

Sta. 214+21.16 ℄ RAMP B = Sta. 12+64.69 ℄ EUCLID AVE.

CONST. CUL-DE-SAC SEE SHEET NO. 5

CONST. SIDEWALK

CONST. 5' B.W. DITCH W/6:1 S.S. @ 0.24% GRADE

DREXEL AVE.

Scale: 1" = 50'

CONSTRUCTED 77.4 L.F. GUARDRAIL

Note, For breakdown of Guardrail See Summary Sheet #7

Note, MOVED CUL-DE-SAC SOUTH AS SHOWN AND EXTENDED SIDEWALK, SEE SHEET No. 16. ALSO 146.3 L.F. OF 6" CURB & 1.5' GUTTER CONSTRUCTED ON DREXEL STREET.

Note, Bridge end Guardrail was under estimated on Summary Sheet but shown Correct on Plans.

B.M. No. 59A
Sq. Cut On Curb
N. Side Euclid
108' W. Of ℄ Survey
El. 18.81

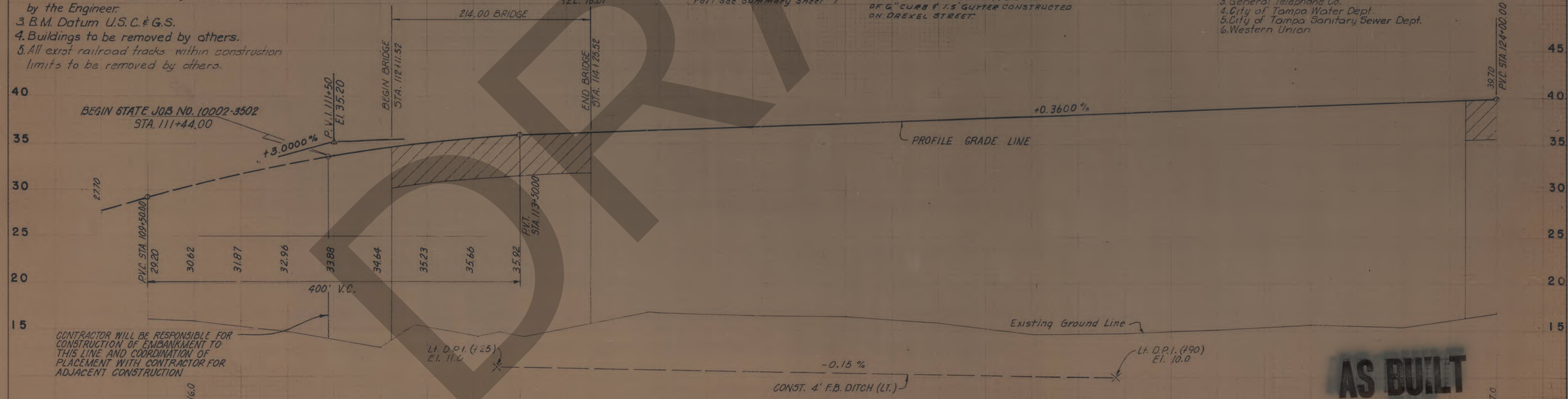
GENERAL NOTES:

1. Grades shown are finished grades.
2. Utilities to be adjusted by others, as directed by the Engineer.
3. B.M. Datum U.S.C. & G.S.
4. Buildings to be removed by others.
5. All exist railroad tracks within construction limits to be removed by others.

UTILITY OWNERS

1. Tampa Electric Co.
2. Peoples Gas System
3. General Telephone Co.
4. City of Tampa Water Dept.
5. City of Tampa Sanitary Sewer Dept.
6. Western Union

NO	REVISON	NAME	DATE
1	Added 2 Plugging Existing Wells	D.M.	12-18-74



AS BUILT
APR 21 1976

84
1

Contract No. 2.

SECTION	CONTRACT	SOUTH CROSSTOWN EXPRESSWAY	SHEET NO.
10002	3602		9
By: WACO		TAMPA-HILLSBOROUGH COUNTY EXPRESSWAY AUTHORITY	Date: 1974

EL PRADO BLVD.

CONCORDIA AVE.

6'x3' Box Culvert

VASCONIA ST.

SEVILLA ST.

CORONA ST.

LEONA ST.

DREXEL AVE.

P.I. STA. 23+46.00 ℄ RAMP "A"

℄ RAMP "A"

℄ RAMP "B"

N 33°59'53.3"E

N 29°59'53.3"E

N 28°31'08.9"E

CONST. APR. SLAB

CONST. CONC. SIDEWALK

CONSTRUCTED 73.6 S.Y. CONC. S.W.

CONST GUARDRAIL

CONSTRUCTED 296.5' GUARDRAIL

CONST. RETAINING WALL 3-R

CONST. RETAINING WALL 3-L

DITCH PAVT.

CONST. SHOULDER GUTTER

CONST. 10' GATE

BEGIN BRIDGE STA. 123+66.38 ℄ CONST.

END BRIDGE STA. 126+39.63 ℄ CONST.

P.I. STA. 124+88.83 ℄ CONST.

STA. 125+03.00 ℄ CONST. = STA. 10+37.42 ℄ EL PRADO

P.I. STA. 28+31.08 END ℄ RAMP "A" = 43' LT. STA. 128+31.08 ℄ CONST.

P.I. STA. 230+68.13 END ℄ RAMP "B" = 43' RT. STA. 130+68.13 ℄ CONST.

NOTE, CONSTRUCTED DITCH PAVT. AT OUTLETS TO PREVENT EROSION OF RR EMB.

EXIST. S.C.L. R.R.

S.C.L. R/W LINE

L.A. R/W LINE

CONST. TYPE "B" FENCE

STA. 133+00.00 END RETAINING WALL

STA. 134+97.33 END SHOULDER GUTTER

50' TRANS. TO 12' SHLDR.

50' TRANS. TO 10' SHLDR.

℄ CONST.

BT (100 Pk)

BT (200 Pk)

BT (400 Pk)

S-12 S-13 S-14 S-15 S-16 S-17 S-18 S-19 S-20

1 ST. CONC. RES.

1 ST. BRICK RES.

Scale: 1" = 50'

B.M. No. 57A
Sq. Cut In Conc. @ X-Walk
S. Edge Of El Prado
147' W. Of ℄ Survey
EL. 16.28

B.M. No. 55A
131' Lt. Sta. 131+30
Sq. Cut On S. Curb
Opposite Driveway
3303 Sevilla St.
EL. 15.99

B.M. No. 54A
100' Rt. Sta. 137+26
Sq. Cut On End Of Curb
3302 Drexel Ave.
EL. 16.82

273.25' BRIDGE

BEGIN BRIDGE STA. 123+66.38

END BRIDGE STA. 126+39.63

+0.3600% P.V.I. 127+00 El. 40.78

P.V.C. 124+00.00

P.V.I. 131+42.89

P.V.T. 130+00.00

P.V.C. 131+42.89

P.V.T. 136+42.89

600' V.C.

500' V.C.

PROFILE GRADE LINE

-3.0000 %

-0.1000 %

-0.2 %

-0.1 %

Existing Ground Line

RT. D.P.I. (100) El. 17.0

CONST. "V" BOTTOM DITCH (RT.)

El. 16.2

El. 16.0

CONST. TRANS.

P.V.I. 133+92.89 El. 19.99

RT. D.P.I. (100) El. 15.6

CONST. 5' F.B. DITCH (RT.)

39.70 39.81 39.78 39.61 39.30 38.85 38.26 37.53 36.66 35.65 34.50 33.21 31.78

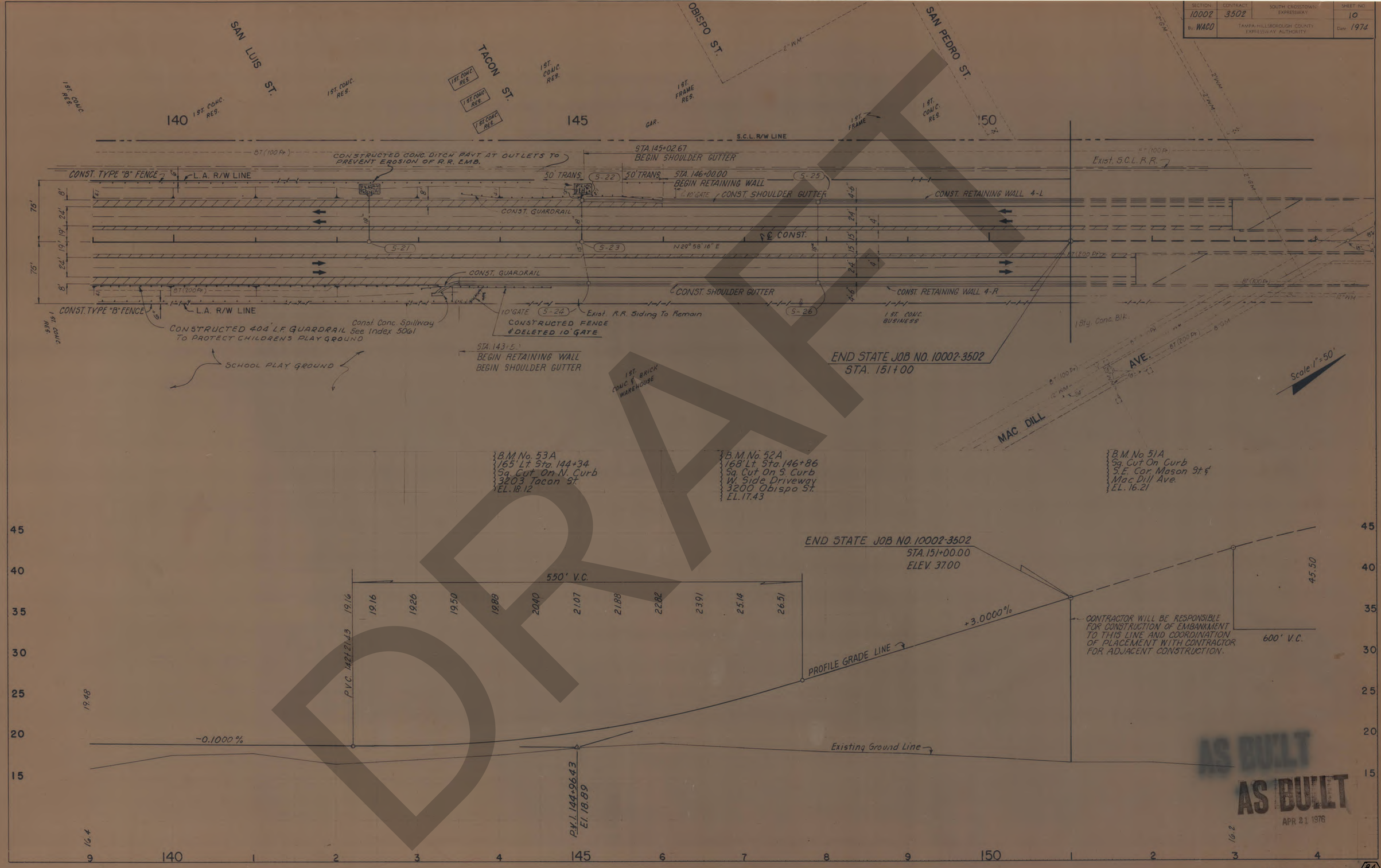
27.49 27.28 25.87 24.61 23.49 22.52 21.69 192.89 21.80 21.01 20.47 20.08 19.84 19.74 19.48

AS BUILT
APR 21 1976

Contract No. 2.

B4
1

SECTION	CONTRACT	SOUTH CROSSTOWN EXPRESSWAY	SHEET NO.
10002	3502		10
By WACO		TAMPA-HILLSBOROUGH COUNTY EXPRESSWAY AUTHORITY	Date 1974



DRAFT
AS BUILT
AS BUILT
APR 21 1976

Contract No. 2.

84/1

PREVIOUS IMAGE IS CROPPED ON ORIGINAL DOCUMENT

DRAFT

FED. ROAD DIVN. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.
3	FLA.	10002-3502		11

Sta. 11+40 ℄ Gunlock Ave. = Sta. 10+40.24 ℄ Reloc. Concordia. Ave.

Curve Data
℄ Reloc. Concordia Ave.
P.I. Sta. 11+58.07
Δ = 55°11'58"
D = 45°50'12"
T = 65.35'
L = 120.43'
R = 125.00'
P.C. = Sta. 10+92.72
P.T. = Sta. 12+13.15
No S.E.

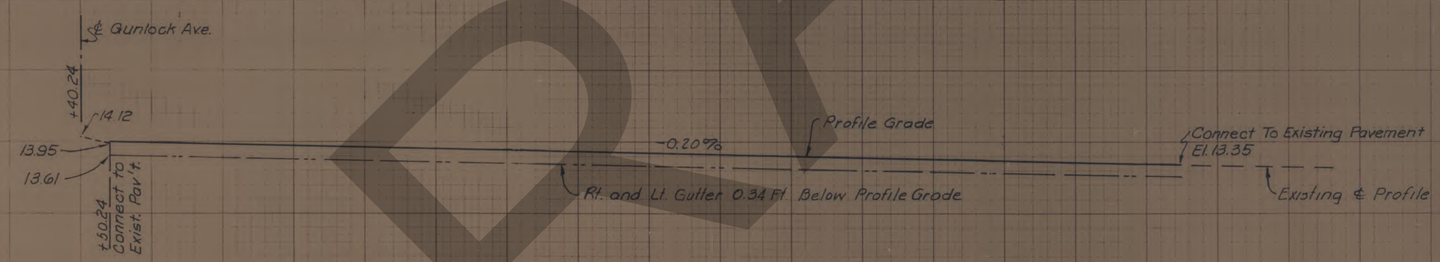
Scale 1"=20'

℄ Reloc. Concordia Ave.
5'6" 12'-0" 12'-0" 5'6"
6" Grade Ref. Pt. 6"
14"/Ft. 14"/Ft.
Match Exist. Grade
12" 12" 12"
Concrete Curb and Gutter
6" Curb, 1.5' Gutter (Lt. and Rt.)
Min. L.B.R. 30

TYPICAL SECTION
Relocated Concordia Ave.
9" Limerock Base (Double Course) Primed, with Type S-1 A.C. Surface Course (2" Thick).

Const. Valley Gutter
12+00
+82.00
13.61
13.5'
10'
26.5'R
+78.74
P.C.
13.49
13.61
S 89°06'19" E
12'
R/W Line
11+00
18.82
90°
Const. Curb and Gutter (6" Curb, 1.5" Gutter)
℄ Connect to Exist. Pav't.
26.5'R
+78.74
℄ Gunlock Ave.
N 0°53'41.3" E
89°50'12"
℄ Euclid Ave.
S 89°16'06.7" E
R/W Line
Sta. 13+50.00
Connect to Existing Pavement
N 35°41'43" E
℄ Relocated Concordia Ave.
12'
12'
15"
5.32
5.33
5.35
5.27
15"
15"
Sta. 6+43.28 ℄ Euclid = Sta. 10+00 ℄ Gunlock Ave.
Sta. 11+12.35 ℄ Ramp "A" = Sta. 6+81.40 ℄ Euclid Ave.
Sta. 7+06.12 ℄ Euclid = Sta. 10.00 ℄ Concordia
℄ Concordia Ave.
N 29°59'05.3" E
30" Storm Drain (To Remain)
60°44'48"
5.34
℄ Ramp "A"

For Ramp "A" Construction See Sheet No. 13.



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AS BUILT
APR 21 1976

Concordia Ave. Relocation

Contract No. 2.

84
1

K&E CO.
ORLANDO, FLA.

SECTION	CONTRACT	SOUTH CROSSTOWN EXPRESSWAY	SHEET NO.
10002	3502		12
By: WACO		TAMPA-HILLSBOROUGH COUNTY EXPRESSWAY AUTHORITY	Date: 1974



CURVE DATA									
CURVE	RAMP	P.I. STATION	△	D	T	L	R	e	DESIGN SPEED
37	A	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	0.08	45 M.P.H.
36	A	15+07.59	[illegible]	[illegible]	108.[illegible]	216.67	954.93	0.03	25 M.P.H.
39	B	220+61.60	11°-35'-[illegible]	5°0'0"	116.42	232.05	1145.92	0.076	45 M.P.H.

COORDINATE DATA					
LINE	CURVE NO.	CONTROL POINT	STATION	COORDINATES NORTH	COORDINATES EAST
℄ RAMP B		BEGIN ℄	214+21.16	1,299,654.797	338,701.436
℄ RAMP B	39	CENTER	———	1,299,815.435	339,951.206
℄ RAMP B	39	P.C.	219+45.18	1,300,155.248	338,856.830
℄ RAMP B	39	P.I.	220+61.60	1,300,266.435	338,891.355
℄ RAMP B	39	P.T.	221+77.23	1,300,368.406	338,947.536
℄ RAMP B		END ℄	230+68.13	1,301,148.714	339,377.445
℄ RAMP A		BEGIN ℄	11+12.35	1,299,658.779	338,118.172
℄ RAMP A	36	CENTER	———	1,299,248.498	339,026.820
℄ RAMP A	36	P.C.	13+98.79	1,299,874.964	338,306.086
℄ RAMP A	36	P.I.	15+07.59	1,299,957.079	338,377.462
℄ RAMP A	36	P.T.	16+15.46	1,300,021.033	338,465.481
℄ RAMP A	37	CENTER	———	1,300,548.264	338,217.705
℄ RAMP A	37	P.C.	17+54.91	1,300,103.003	338,578.296
℄ RAMP A	37	P.I.	18+76.70	1,300,174.593	338,676.824
℄ RAMP A	37	P.T.	19+94.91	1,300,280.068	338,737.715
℄ RAMP A		P.I.	23+46.00	1,300,584.127	338,913.252
℄ RAMP A		END ℄	28+31.08	1,300,986.285	339,184.492

AS BUILT
APR 21 1976

NO.	REVISION	BY	DATE

TAMPA-HILLSBOROUGH COUNTY
EXPRESSWAY AUTHORITY

SOUTH CROSSTOWN EXPRESSWAY

LAYOUT OF INTERCHANGE
AT EUCLID AVENUE

J. E. GREINER COMPANY — WATSON & COMPANY
CONSULTING ENGINEERS — TAMPA, FLORIDA

MADE V. S. DATE 1-24-72 TRACED J.R.S. DATE 1-24-72
CHECKED D.M. DATE 1-24-72 SCALE

84
1

Contract No. 2.

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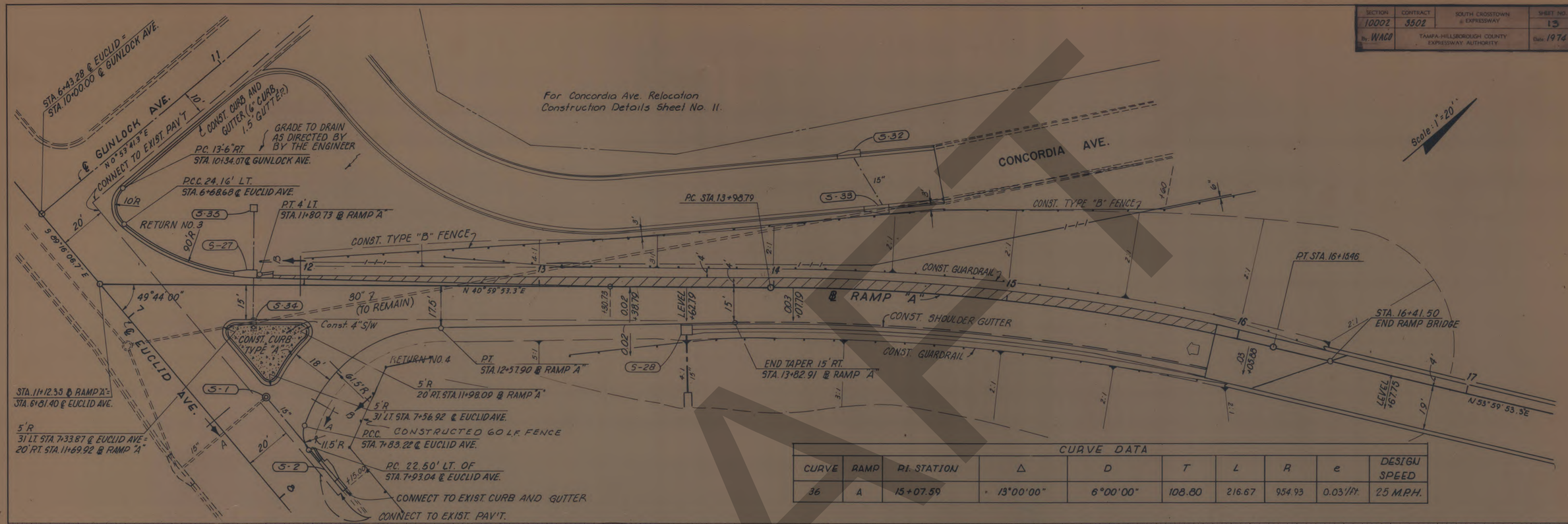
AS BUILT

SECTION	CONTRACT	SOUTH CROSSTOWN EXPRESSWAY	SHEET NO.
10002	3502		13
By: WACO		TAMPA-HILLSBOROUGH COUNTY EXPRESSWAY AUTHORITY	Date: 1974



CURVE DATA									
CURVE	RAMP	P.I. STATION	Δ	D	T	L	R	e	DESIGN SPEED
36	A	15+07.59	13°00'00"	6°00'00"	108.80	216.67	954.93	0.03'/ft.	25 M.P.H.

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AS BUILT APR 21 1976

RAMP "A" DETAILS

84/1

Contract No. 2.

K&E CO. ORLANDO, FLA.

SECTION	CONTRACT	SOUTH CROSSTOWN EXPRESSWAY	SHEET NO.
10002	3502		14
By: WACO		TAMPA-HILLSBOROUGH COUNTY EXPRESSWAY AUTHORITY	Date: 1974



CURVE DATA

CURVE	RAMP	P.I. STATION	Δ	D	T	L	R	e	DESIGN SPEED
39	"B"	220+61.60	11°36'8.9"	5°00'00"	116.42'	232.05'	1145.92'	0.076'/FT.	45 M.P.H.

DRAFT

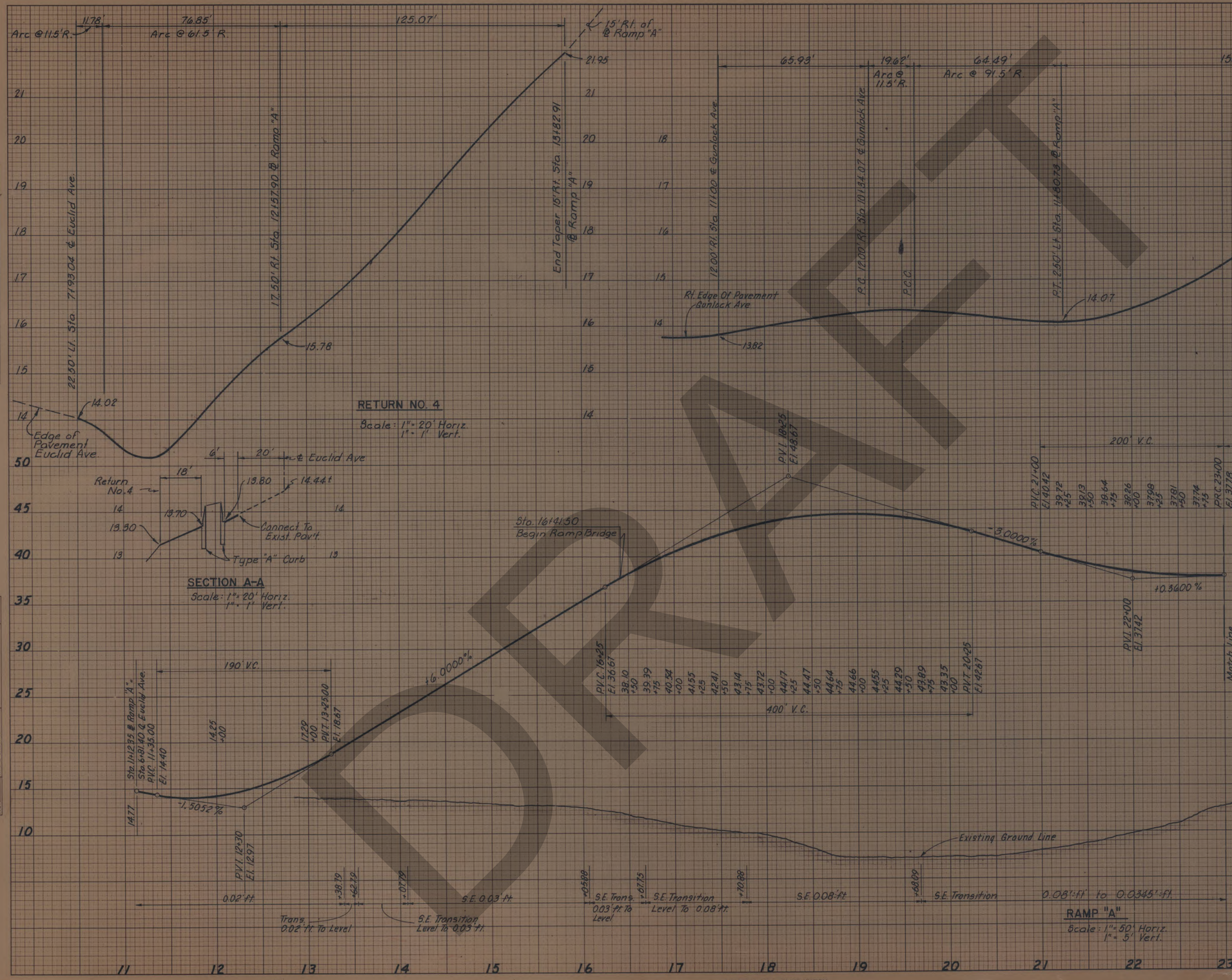
84/1

Contract No. 2.

SECTION	CONTRACT	SOUTH CROSSTOWN EXPRESSWAY	SHEET NO.
10002	3502		15
BY: WACO	TAMPA-HILLSBOROUGH COUNTY EXPRESSWAY AUTHORITY		DATE: 1974

FINAL SURVEY — SURVEYED: PLOTTED: TEMPLATE: AREAS: NOTE BOOK: AREAS CHECKED: NO. — BY — DATE

ORIGINAL SURVEY — SURVEYED: PLOTTED: TEMPLATE: AREAS: NOTE BOOK: AREAS CHECKED: NO. — BY — DATE



AS BUILT
APR 21 1976

PROFILES OF RAMP "A" & INTERSECTION RETURNS

SCALES AS NOTED

64
11

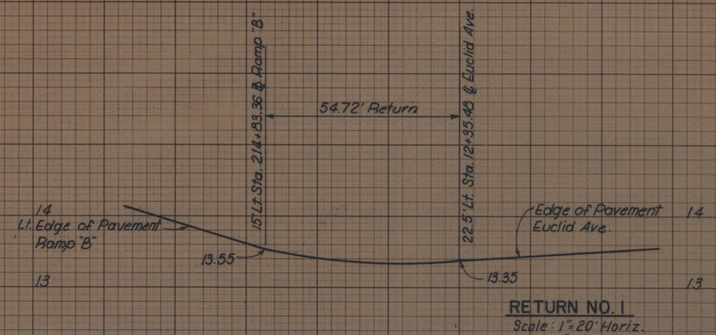
Contract No. 2.

K&E PLATE 3, CROSS SECTION KEUFFEL & ESSER CO.

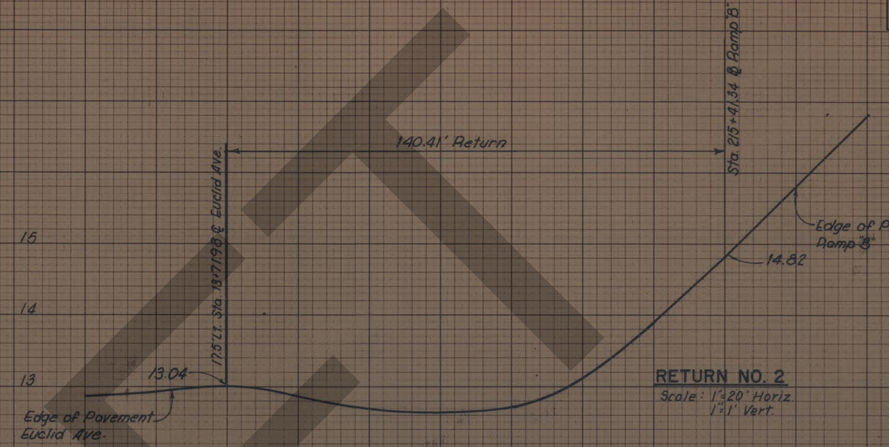
SECTION	CONTRACT	SOUTH CROSSTOWN EXPRESSWAY	SHEET NO.
10002	3502		16
BY WACO	TAMPA-HILLSBOROUGH COUNTY EXPRESSWAY AUTHORITY		DATE 1974

FINAL SURVEY — SURVEYED, PLOTTED, CALCULATE, AREAS, CHECKED — NOTE BOOK — NO. — BY — DATE

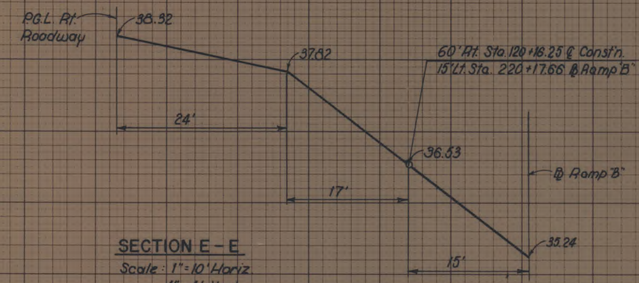
ORIGINAL SURVEY — SURVEYED, PLOTTED, CALCULATE, AREAS, CHECKED — NOTE BOOK — NO. — BY — DATE



RETURN NO. 1
Scale: 1"=20' Horiz.
1"=1' Vert.

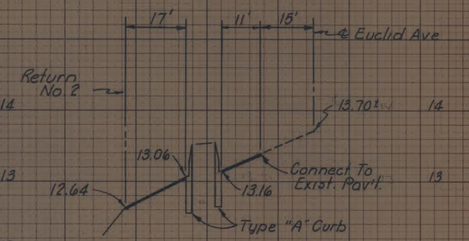


RETURN NO. 2
Scale: 1"=20' Horiz.
1"=1' Vert.

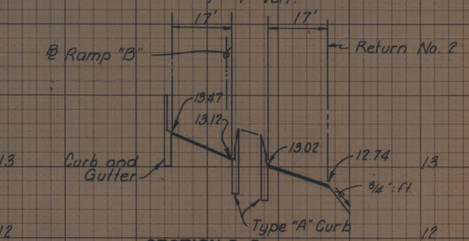


SECTION E-E
Scale: 1"=10' Horiz.
1"=1' Vert.

RAMP "B"
Scale: 1"=50' Horiz.
1"=5' Vert.



SECTION C-C
Scale: 1"=20' Horiz.
1"=1' Vert.



SECTION D-D
Scale: 1"=20' Horiz.
1"=1' Vert.

AS BUILT
APR 8 1976

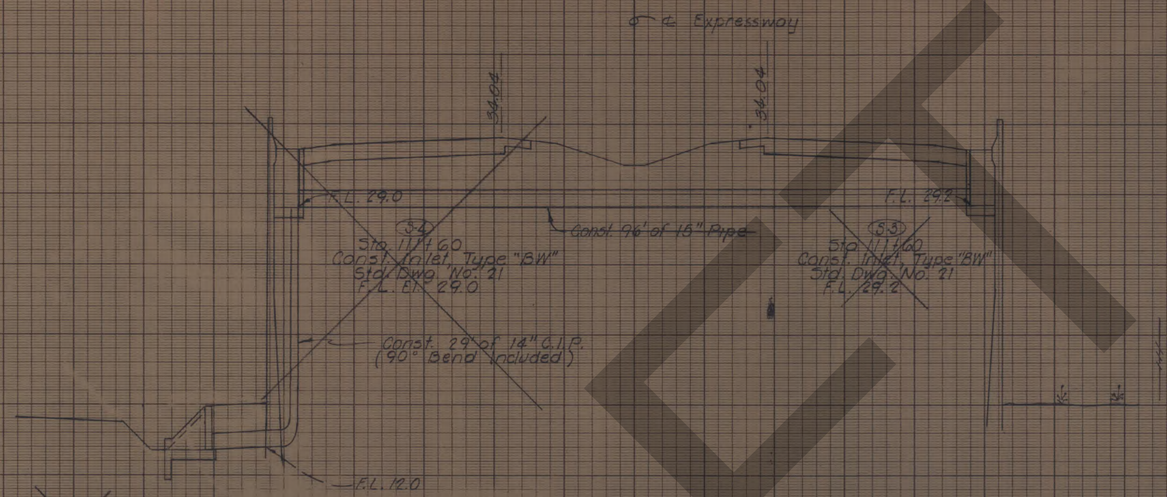
PROFILES OF RAMP "B" & INTERSECTION RETURNS
SCALES AS NOTED
84/1
Contract No. 2.

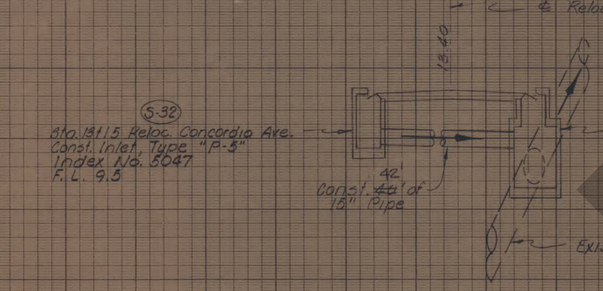
DRAFT

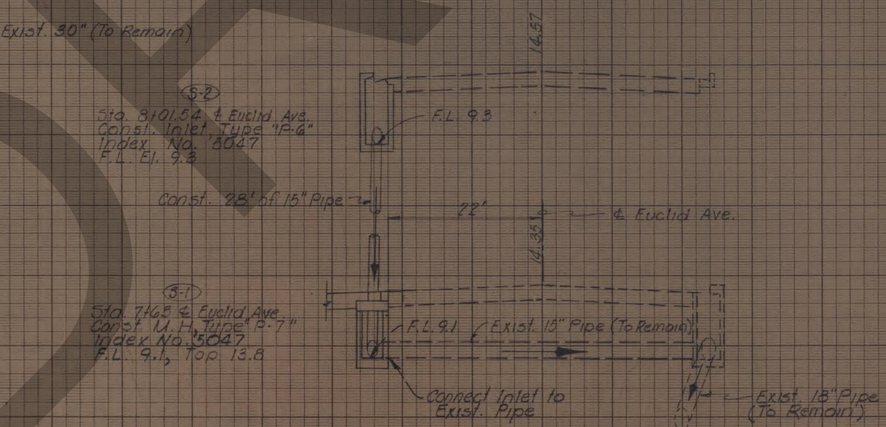
CROSS SECTIONS

Scale 1 inch = 5 feet Vert
1 inch = 10 feet Horiz.

Fed. Road Distr. No.	State	County	Route	Proj. No.	Sheet No.
3	Fla.	Hillsborough	449	10002-3507	17







NOTE: Structures S-3 ~~S-3~~ and S-4 ~~S-4~~ are deleted and are not a part of this Contract

S-32
S-33
S-2
S-1

NOTE:

Special attention is directed to the fact that portions of some drainage structures extend into the stabilized portions of the roadbed and caution will be necessary in stabilization operations at those locations.

DRAFT

AS BUILT
APR 21 1976

Contract No. 2.

84
17

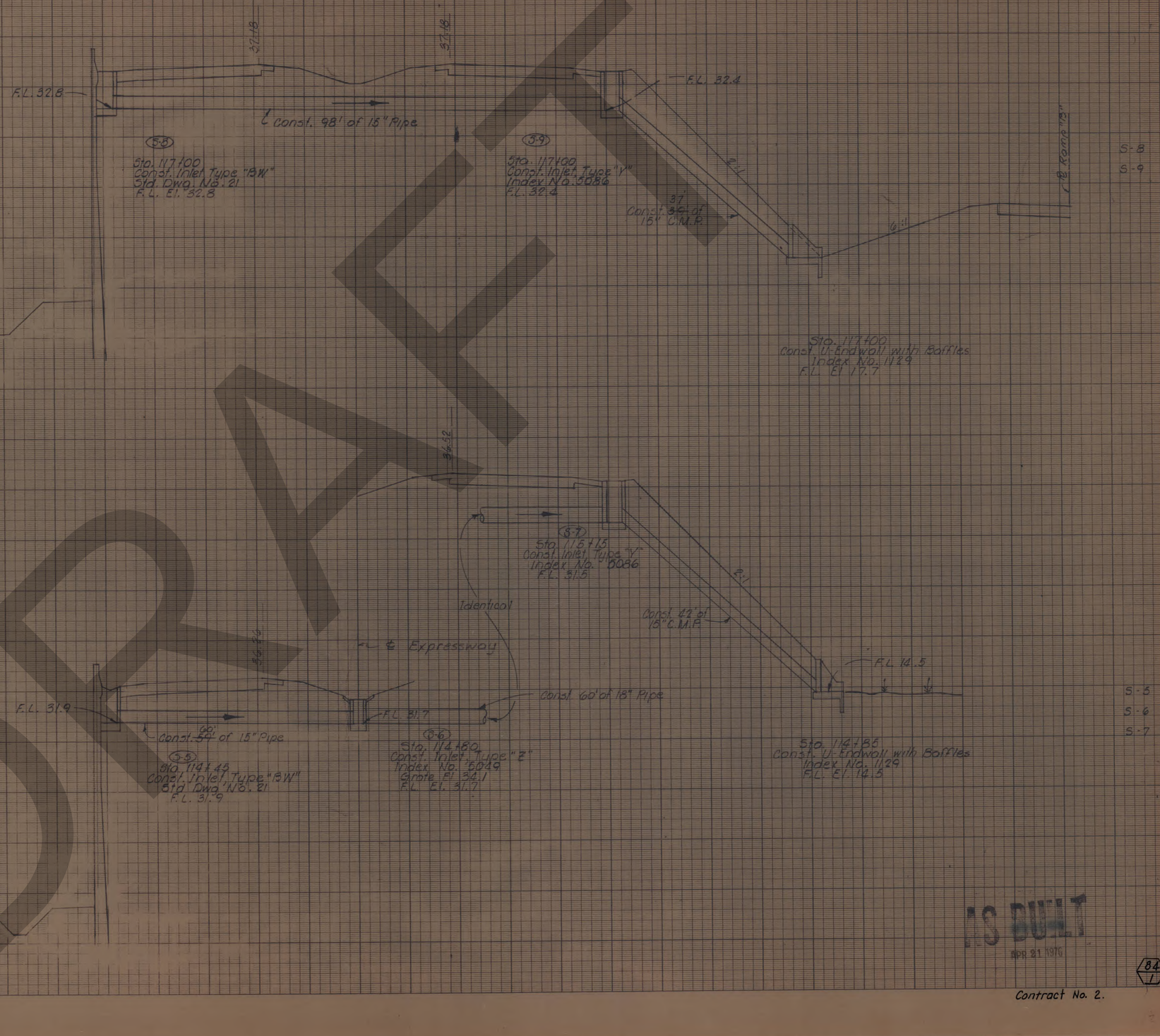
Application No.
Route No.
Original Plotted by
" Checked by
Tensilate by
Area by
Finals Plotted by
" Checked by
Area by
" Checked by

K&E CO. ORLANDO, FLA. ORDER STOCK # 1004

CROSS SECTIONS

Scale 1 inch = 5 feet Vert.
1 inch = 10 feet Horiz.

Fed. Road Divn. No.	State	County	Route	Proj. No.	Sheet No.
3	Fla.	Hillsborough	449	10002 · 3502	18



DRAFT

AS BUILT
apr 21 1976

Application No.
Route No.
Original Plotted by
" Checked by
Template by
Area by
Finals Plotted by
" Checked by
Area by
" Checked by

K&E CO. ORLANDO, FLA. ORDER STOCK # 1004

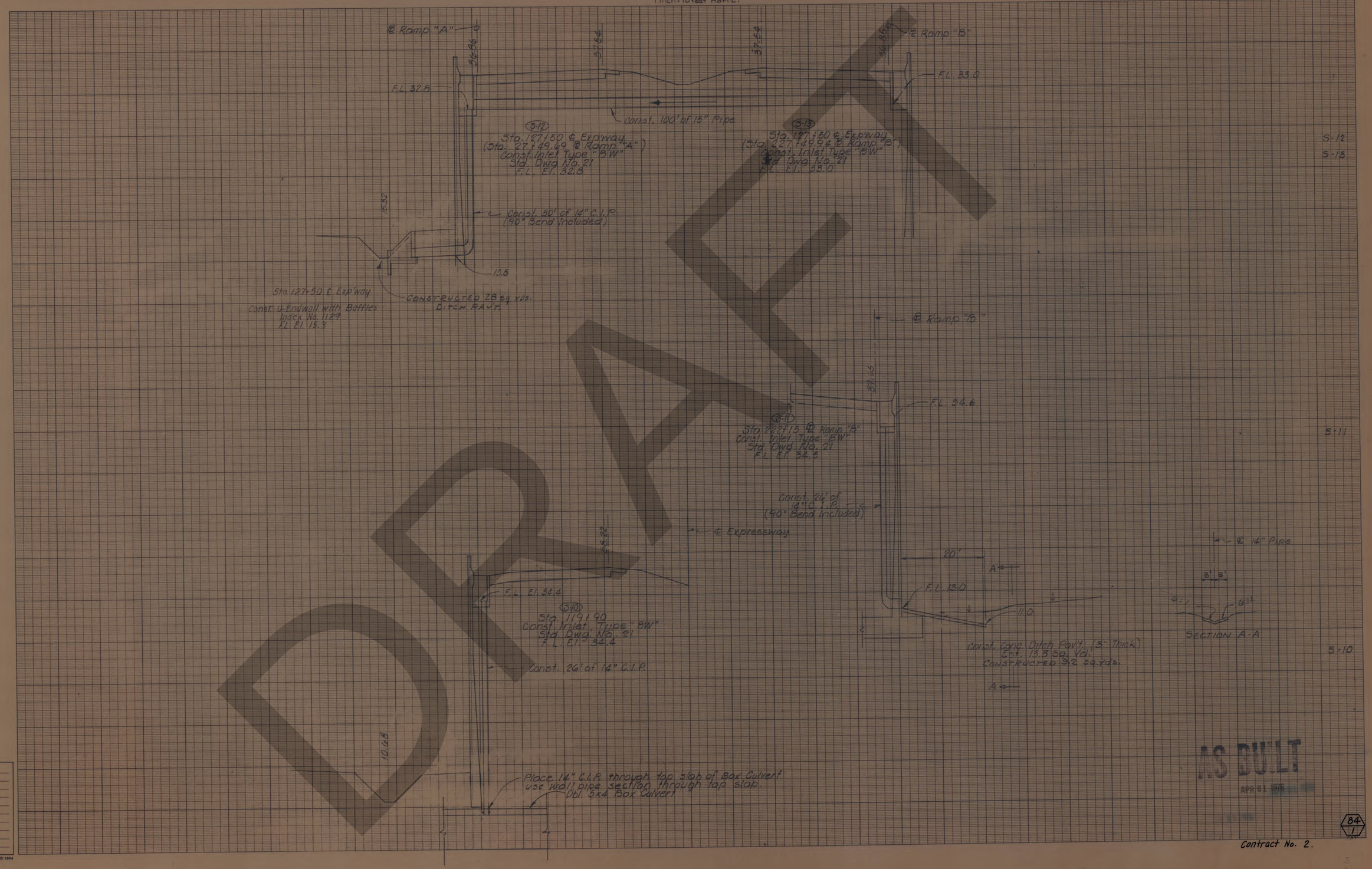
84
1

Contract No. 2.

CROSS SECTIONS

Scale 1 inch = 5 feet Vert.
1 inch = 10 feet Horiz.

Fed. Road Divn. No.	State	County	Route	Proj. No.	Sheet No.
3	Fla.	Hillsborough	449	10002-3502	19



DRAFT

AS BUILT
APR 21 1976

Application No.
Route No.
Original Platted by
" Checked by
Template by
Area by
Finals Platted by
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Area by
" Checked by

K&E CO. ORLANDO, FLA. ORDER STOCK @ 1004

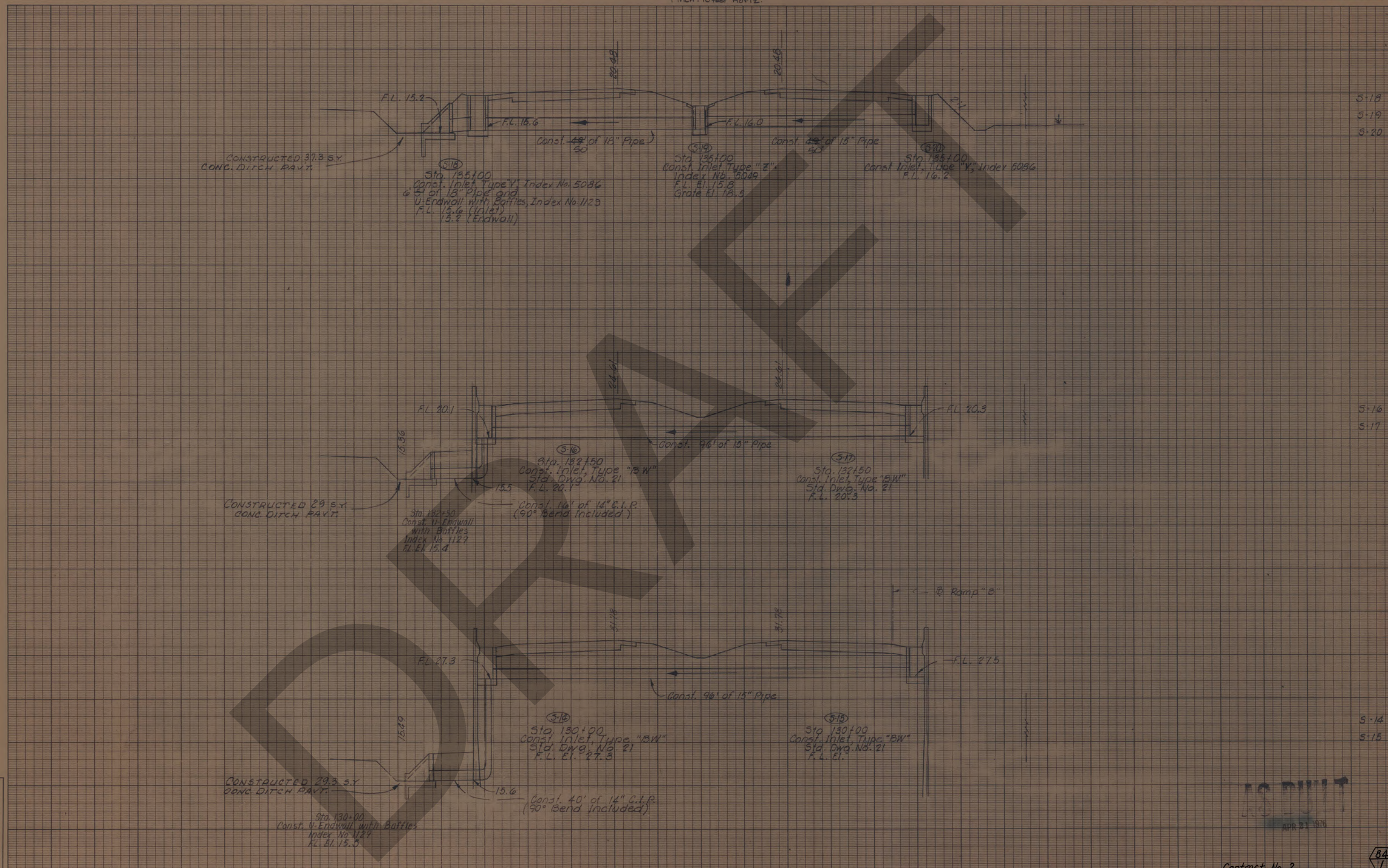
84/1

Contract No. 2.

CROSS SECTIONS

Scale 1 inch = 5 feet Vert.
1 inch : 10 feet Horiz.

Fed. Road Divn. No.	State	County	Route	Proj. No.	Sheet No.
3	Fla.	Hillsborough	449	10002-3502	20



DRAFT

AS BUILT
APR 21 1976

Contract No. 2.

84
1

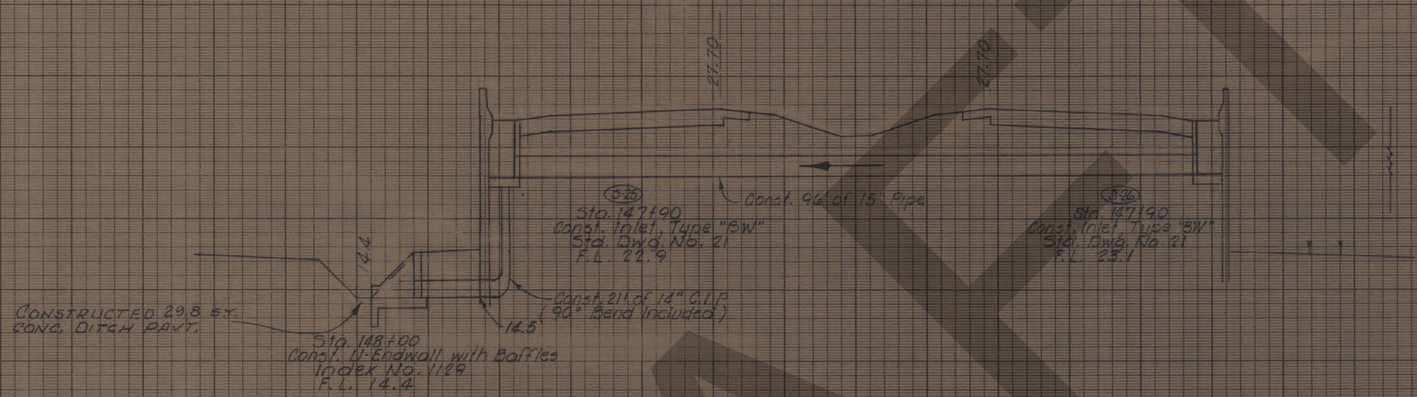
Application No.
Route No.
Original Platted by
" Checked by
Template by
Area by
Finals Platted by
" Checked by
Area by
" Checked by

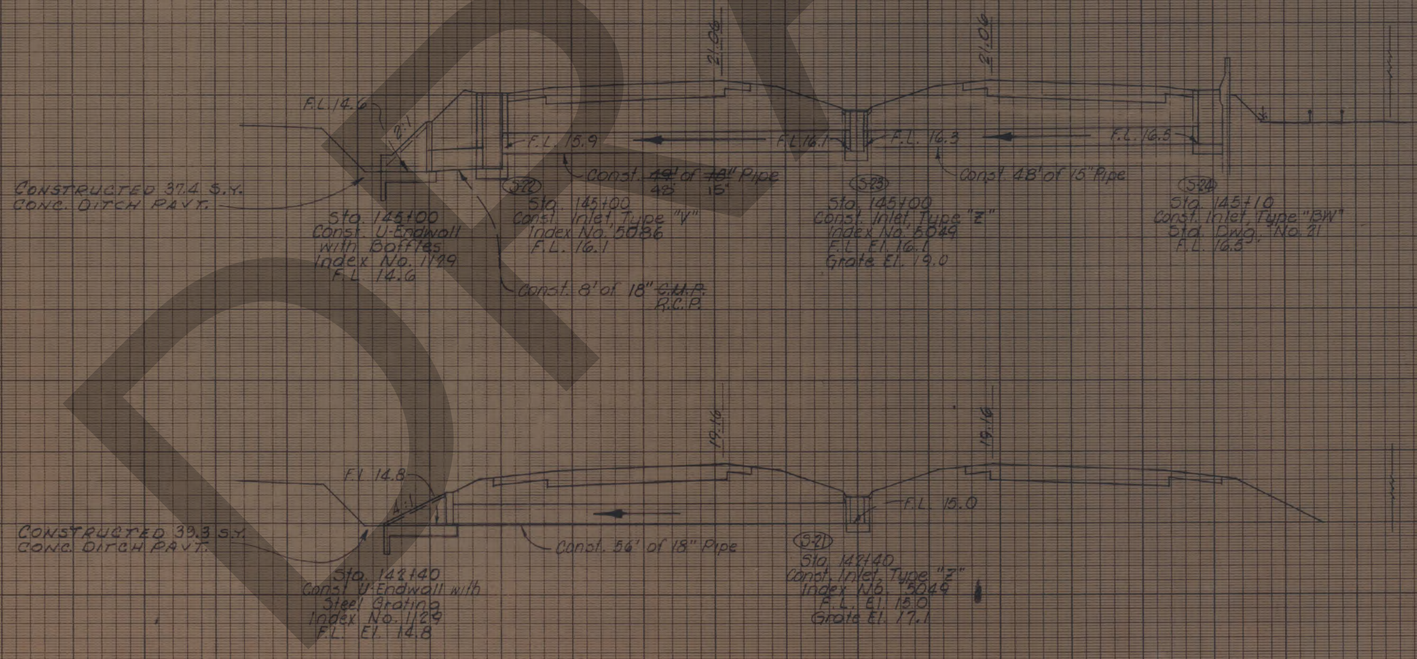
K&E CO. ORLANDO, FLA. ORDER STOCK © 1964

CROSS SECTIONS

Scale 1 inch = 5 feet Vert.
1 inch = 10 feet Horiz.

Fed. Road Distr. No.	State	County	Route	Proj. No.	Sheet No.
3	Fla.	Hillsborough	449	10002-3502	21





S-25
S-26
S-22
S-23
S-24
S-21

AS BUILT
APR 21 1976

Contract No. 2.

84
1

Application No.
Route No.
Original Plotted by
" Checked by
Template by
Area by
Finals Plotted by
" Checked by
Area by
" Checked by

KAE CO. ORLANDO, FLA. ORDER STOCK @ 1964

CROSS SECTIONS

Scale 1 inch = 5 feet Vert.
1 inch = 10 feet Horiz.

Fed. Road Divn. No.	State	County	Route	Proj. No.	Sheet No.
3	Fla.	Hillsborough	449	10002-3502	22



DRAFT

AS BUILT

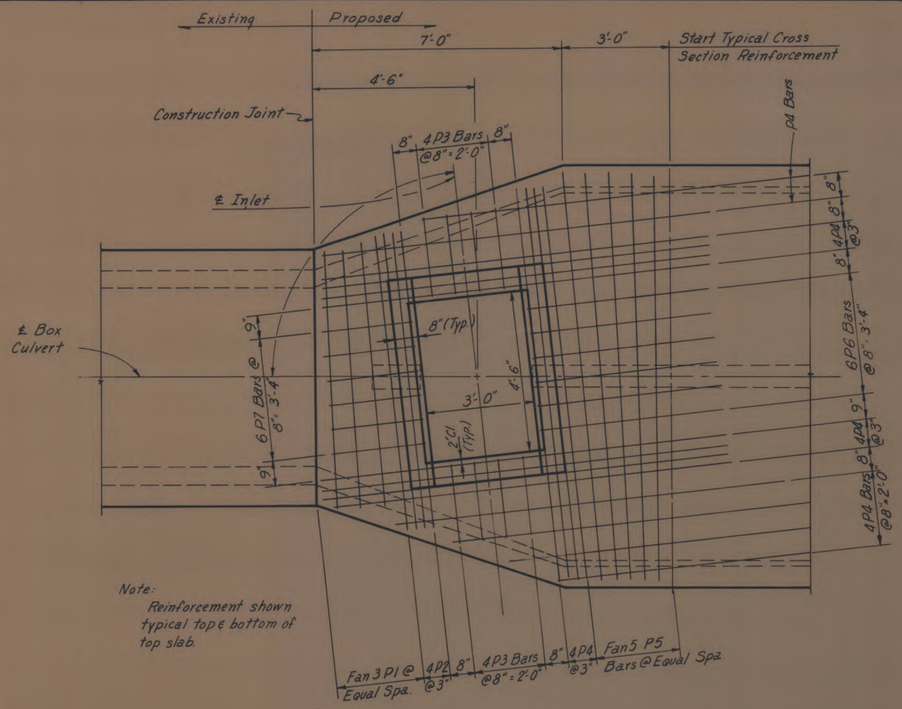
APR 21 1976 Contract No. 2.

84/1

Application No.
Route No.
Original Plotted by
" Checked by
Template by
Area by
Finals Plotted by
" Checked by
Area by
" Checked by

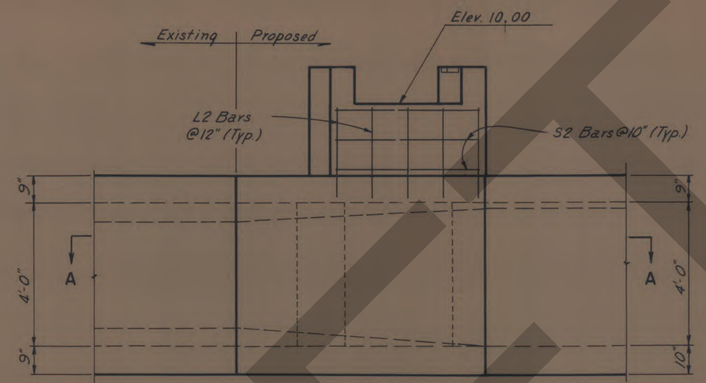
K&E CO. ORLANDO, FLA. ORDER STOCK ® 1004

SECTION	CONTRACT	SOUTH CROSSTOWN EXPRESSWAY	SHEET NO.
10002	3502		23
By: WACO	TAMPA-HILLSBOROUGH COUNTY EXPRESSWAY AUTHORITY		Date: 1974

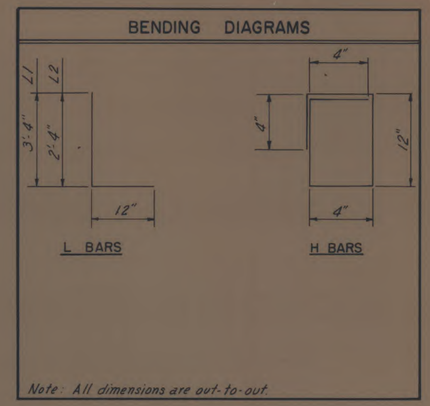


Note:
Reinforcement shown typical top & bottom of top slab.

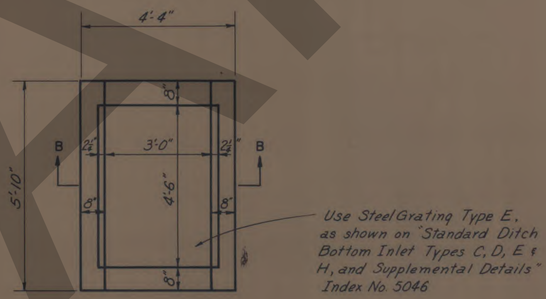
PLAN OF TOP SLAB



ELEVATION

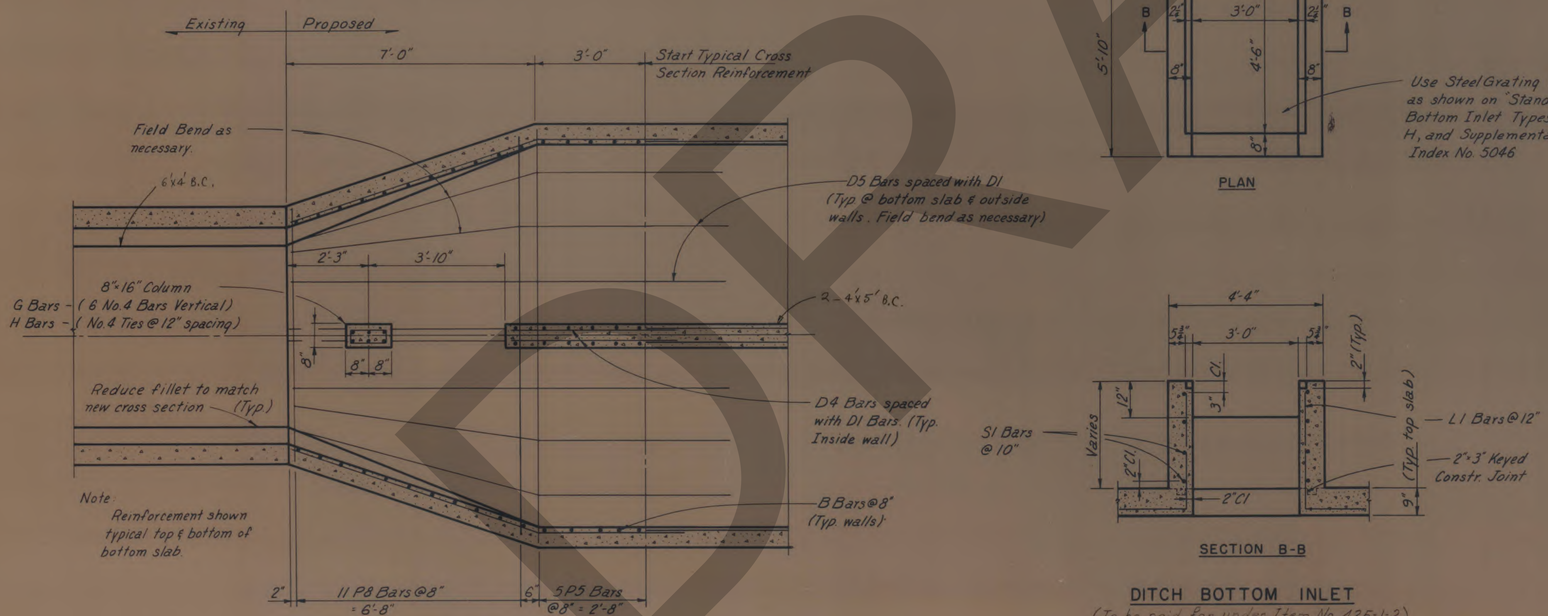


Note: All dimensions are out-to-out



PLAN

Use Steel Grating Type E, as shown on "Standard Ditch Bottom Inlet Types C, D, E & H, and Supplemental Details" Index No. 5046



Note:
Reinforcement shown typical top & bottom of bottom slab.

SECTION A-A

SECTION B-B

DITCH BOTTOM INLET
(To be paid for under Item No. 425-1-2)

JOINT AT STA. 118 + 93.07

DRAFT

AS BUILT
APR 21 1976

NO	REVISION	BY	DATE

TAMPA - HILLSBOROUGH COUNTY EXPRESSWAY AUTHORITY

SOUTH CROSSTOWN EXPRESSWAY

DOUBLE 5'x4' BOX CULVERT UNDER EXPRESSWAY AT STATION 119 + 86.78

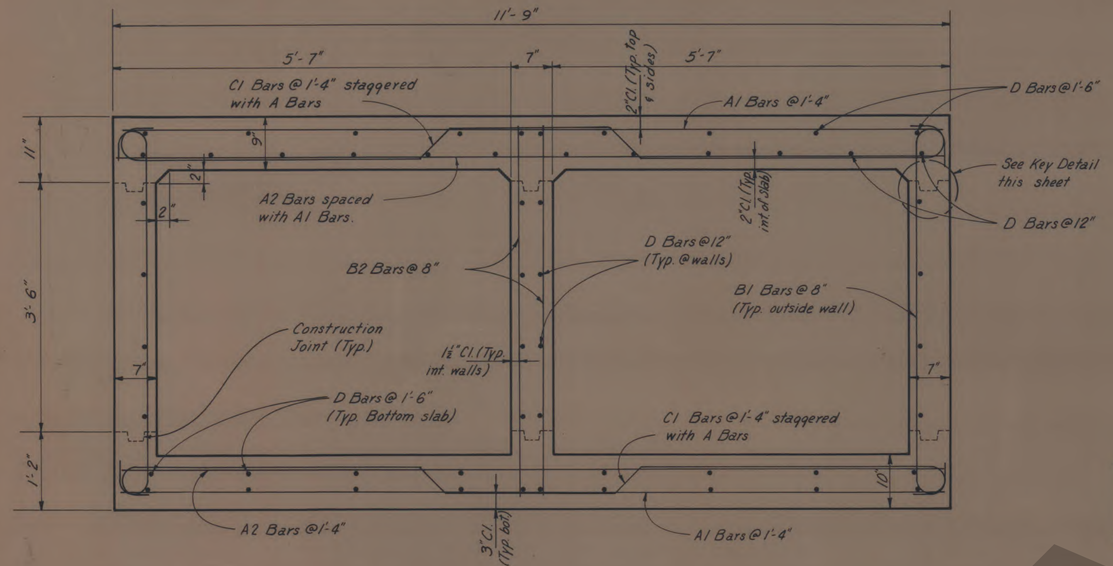
J. E. GREINER COMPANY — WATSON & COMPANY
CONSULTING ENGINEERS TAMPA, FLORIDA

MADE O.C. DATE 9/71 | TRACED O.C. DATE 9/71
CHECKED R.D.C. DATE 9/73 | SCALE

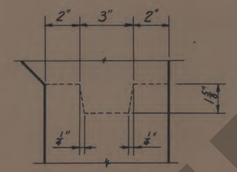
84
1

Contract No. 2

SECTION	CONTRACT	SOUTH CROSSTOWN EXPRESSWAY	SHEET NO.
10002	3502		24
By: WACO		TAMPA-HILLSBOROUGH COUNTY EXPRESSWAY AUTHORITY	Date: 1974



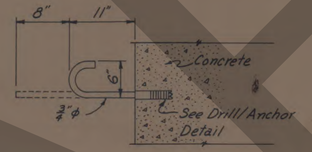
TYPICAL CROSS SECTION



KEY DETAIL

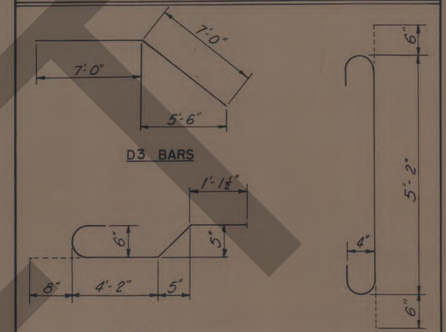


DRILL / ANCHOR DETAIL



DETAIL OF EXPANSION ANCHOR

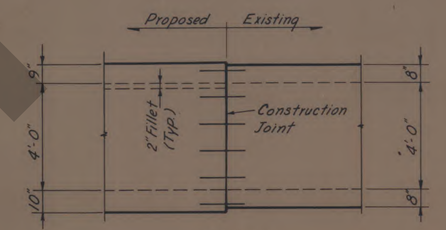
BENDING DIAGRAMS



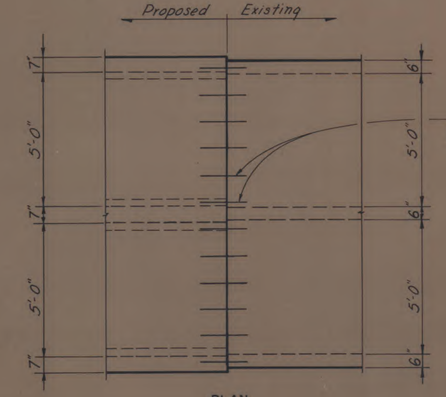
BILL OF REINFORCING STEEL

MARK	SIZE	NO. REQ'D	LENGTH	BENDING
A1	6	326	11'-5"	Straight
A2	4	324	11'-5"	"
A3	6	36	11'-7"	"
A4	6	32	7'-8"	"
B1	4	708	6'-2"	See Diagram
B2	4	688	5'-2"	Straight
C1	6	326	13'-1"	See Diagram
D1	4	165	31'-3"	Straight
D2	4	220	32'-3"	"
D3	4	55	14'-0"	See Diagram
D4	4	47	11'-3"	Straight
D5	4	8	4'-10"	"
G	4	6	5'-2"	"
H	4	4	3'-4"	See Diag. Sh. 2
L1	4	12	4'-4"	"
L2	4	10	3'-4"	"
P1	6	6	7'-2"	Straight
P2	6	8	8'-4"	"
P3	6	16	2'-2"	"
P4	6	36	11'-0"	"
P5	6	20	11'-5"	"
P6	6	12	5'-0"	"
P7	6	12	2'-6"	"
P8	6	22	Varies	"
S1	4	8	5'-6"	"
S2	4	6	4'-0"	"

Varies ~ 2 Sets 11'-2" to 6'-10"



ELEVATION

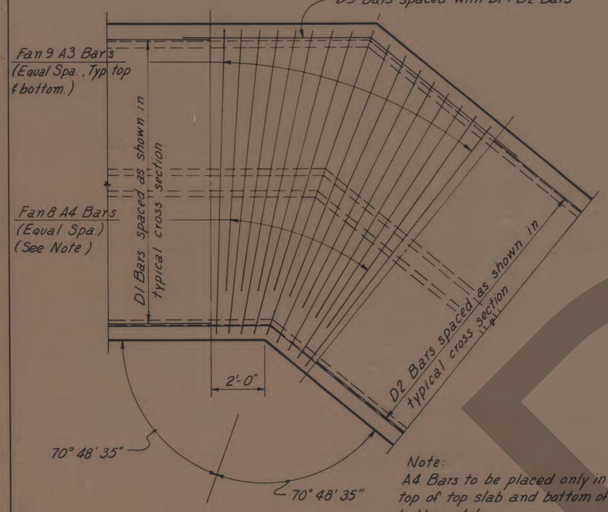


PLAN

JOINT AT STA. 118 + 93.07

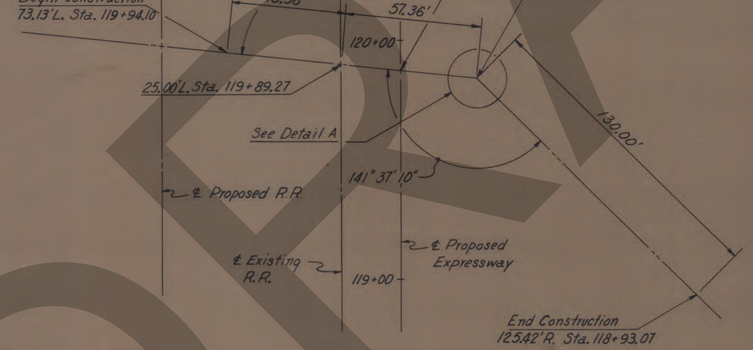
ESTIMATED QUANTITIES

ITEM	UNIT	QUANTITIES
Concrete Class II	Cu. Yd	223.87
Reinforcing Steel	Lb.	31,550



Note:
A4 Bars to be placed only in top of top slab and bottom of bottom slab.

DETAIL A



LIMITS OF CONSTRUCTION

AS BUILT
APR 21 1976

NO.	REVISION	BY	DATE

TAMPA-HILLSBOROUGH COUNTY EXPRESSWAY AUTHORITY

SOUTH CROSSTOWN EXPRESSWAY

DOUBLE 5'x4' BOX CULVERT UNDER EXPRESSWAY AT STATION 119 + 86.78

J. E. GREINER COMPANY — WATSON & COMPANY
CONSULTING ENGINEERS TAMPA, FLORIDA

MADE O.C. DATE 9/71	TRACED O.C. DATE 9/71
CHECKED R.D.C. DATE 9/73	SCALE

84/1

Contract No. 2.

DRAFT

SECTION	CONTRACT	SOUTH CROSSTOWN EXPRESSWAY	SHEET NO.
10002	3503		1
By WACO		TAMPA-HILLSBOROUGH COUNTY EXPRESSWAY AUTHORITY	Date: 1974

THIS CONTRACT INCLUDES:

1. ROADWAY PLANS
2. ROADWAY SIGNING PLANS
3. TRAFFIC SIGNAL PLANS
4. LIGHTING PLANS.
5. BRIDGE AND RETAINING WALL PLANS.
6. SANITARY SEWER RELOCATION PLANS.

OF INDEX OF PLANS-SEE APPROPRIATE PLAN SETS.

TAMPA - HILLSBOROUGH COUNTY EXPRESSWAY AUTHORITY

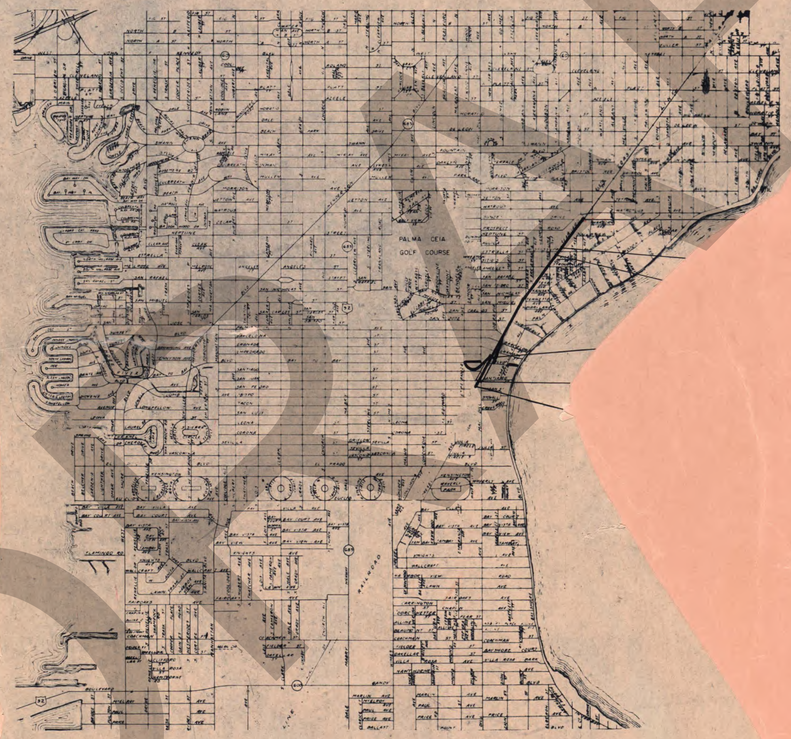
— PLANS OF PROPOSED —

STATE JOB NO. 10002-3503-032

SOUTH CROSSTOWN EXPRESSWAY

STATE ROAD NO. 449

HILLSBOROUGH COUNTY TAMPA, FLORIDA



CONTRACT NO. 3

FROM SOUTH OF MACDILL AVE.
TO SOUTH OF WATROUS AVE.

Greiner Engineering Sciences, Inc. - WATSON AND COMPANY
Consulting Engineers
To The Tampa - Hillsborough County Expressway Authority
P.O. BOX 23646
TAMPA, FLORIDA 33622
813/879-1711

CONTRACT NUMBER 3 - State Job No. 10002-3503

Description	Drawing Number Sheet No.
Cover Sheet - from S. of Mac Dill Ave. to S. of Watrous	1
Plan and Profile Drainage Map	2 and 3
Alignment Control	4
Typical Sections	5 - 6
Miscellaneous Details	7
Drainage Details Inlet Type BW	8
Summary of Quantities	9
Plan and Profiles	10 through 16
Ramp A and Santiago St. Details	17
Plan and Profiles Ramp A	18
Plan and Profiles Ramp B	19
Plan and Profile	20 through 26
Improvement of Exist Single 8'x4' Box Culvert	27
Cover Sheet Traffic Signals	T-1
Bill of Material and Summary of Quantities	T-2
Conventional Signal Symbols	T-3
General Notes	T-4
Typical Installation Details	T-5-T-6 & T-7
Pole Schedule	T-8
Traffic Signal Plan	T-9 & T-10
Prestressed Concrete Pole	T-11
Steel Strain Pole Detail	T-12

Total No. Mylar Sheets 39.

AS BUILT

84

SECTION	CONTRACT	SOUTH CROSSTOWN EXPRESSWAY	SHEET NO.
10002	3503		1
by WACO		TAMPA-HILLSBOROUGH COUNTY EXPRESSWAY AUTHORITY	Date 1974

THIS CONTRACT INCLUDES:

1. ROADWAY PLANS
2. ROADWAY SIGNING PLANS
3. TRAFFIC SIGNAL PLANS
4. LIGHTING PLANS.
5. BRIDGE AND RETAINING WALL PLANS.
6. SANITARY SEWER RELOCATION PLANS.

FOR INDEX OF PLANS-SEE APPROPRIATE PLAN SETS.

TAMPA-HILLSBOROUGH COUNTY EXPRESSWAY AUTHORITY

—PLANS OF PROPOSED—

STATE JOB NO. 10002-3503-032

SOUTH CROSSTOWN EXPRESSWAY

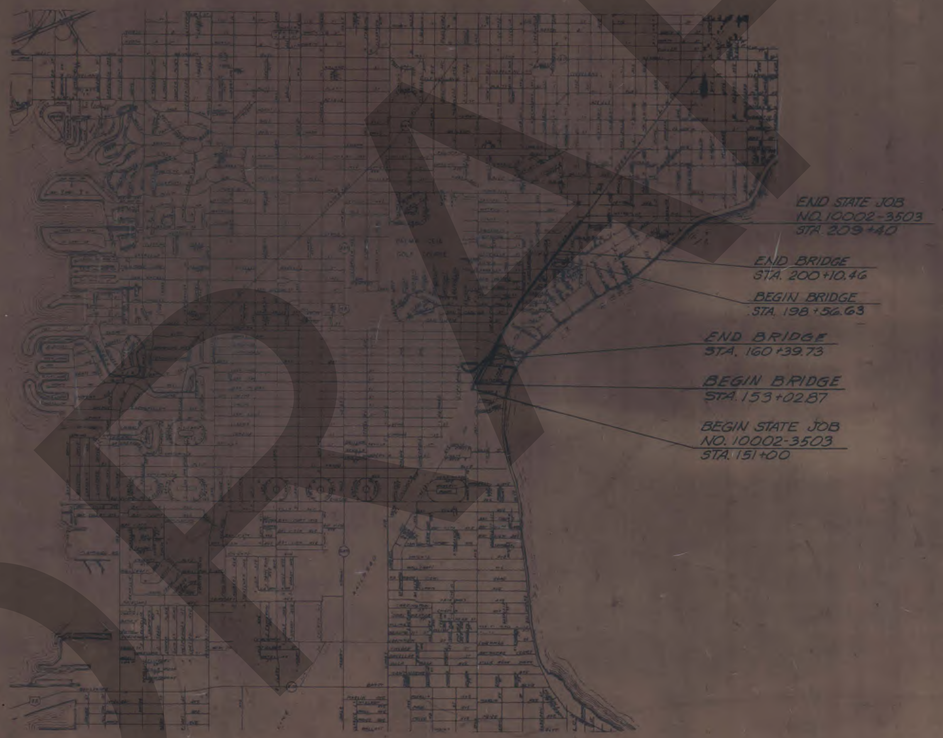
STATE ROAD NO. 449

HILLSBOROUGH COUNTY TAMPA, FLORIDA

INDEX OF ROADWAY PLANS

Sheet No.	Sheet Description
1	Key Map
2-3	Drainage Maps
4	Alignment Control
5-6	Typical Sections
7	Miscellaneous Details
8	Drainage Details (Inlet Type BW)
9	Summary of Quantities
10	Mass Diagram
11-14	Plan and Profiles (Mainline)
15-16	Plan and Profiles (Bay to Bay)
17-19	Interchange
20-27	Drainage Structures
28	Soil Classification Sheet
29-53	Cross Sections
54-61	Approach Slab Details
62-64	Vehicular Impact Attenuator
65	Project Information Sign
66	Borrow Area One
67-70	Right-of-Way Maps

Index No.	Standard Drawings
194	Standard Abbreviations (2 sheets)
195	Standard Symbols for Key Maps and Plan Sheets (3 sheets)
1101-W	Miscellaneous Roadway Construction Details (2 sheets)
1129-G	U-Endwalls for Pipe Culverts (3 sheets)
2300-R	Guardrail Construction (4 sheets)
5010-H	Superelevation Details
5016-B	Turnout Details
5047-G	Inlet, Manhole, and Junction Box Types P and J (2 sheets)
5049-A	Inlet, Type Z
5061-E	Miscellaneous Drainage Details (2 sheets)
5072-6	Details of Fencing (2 sheets)
5073-L	Standard Details for Ramp Terminals (3 sheets)
5080-6	Curb, Curb and Gutter and Traffic Seperator (2 sheets)
5086-A	Shoulder Gutter Inlet Type Y



2000 FT.



LENGTH OF PROJECT		
	LIN. FT.	MILES
ROADWAY	4949.31	0.937
BRIDGES	890.69	0.169
NET LENGTH	5840.00	1.106
EXCEPTIONS	00.00	0.000
GROSS LENGTH	5840.00	1.106

ATTENTION IS DIRECTED TO THE FACT THAT THESE PLANS MAY HAVE BEEN REDUCED IN SIZE BY REPRODUCTION. THIS MUST BE CONSIDERED WHEN OBTAINING SCALED DATA.

GENERAL SPECIFATIONS

FLORIDA DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION-1973 OR AS MODIFIED BY THE CONTRACT SPECIAL PROVISIONS.

AS BUILT
APR 21 1976

APPROVAL RECOMMENDED MAY 15, 1974
BY Donald R Henderson
J.E.GREINER CO. INC. — WATSON AND COMPANY

APPROVED _____
BY _____ CHAIRMAN
TAMPA-HILLSBOROUGH COUNTY EXPRESSWAY AUTHORITY

CONTRACT NO. 3
FROM SOUTH OF MACDILL AVE.
TO SOUTH OF WATROUS AVE.

WATSON AND COMPANY
CONSULTING ENGINEERS TAMPA FLA.

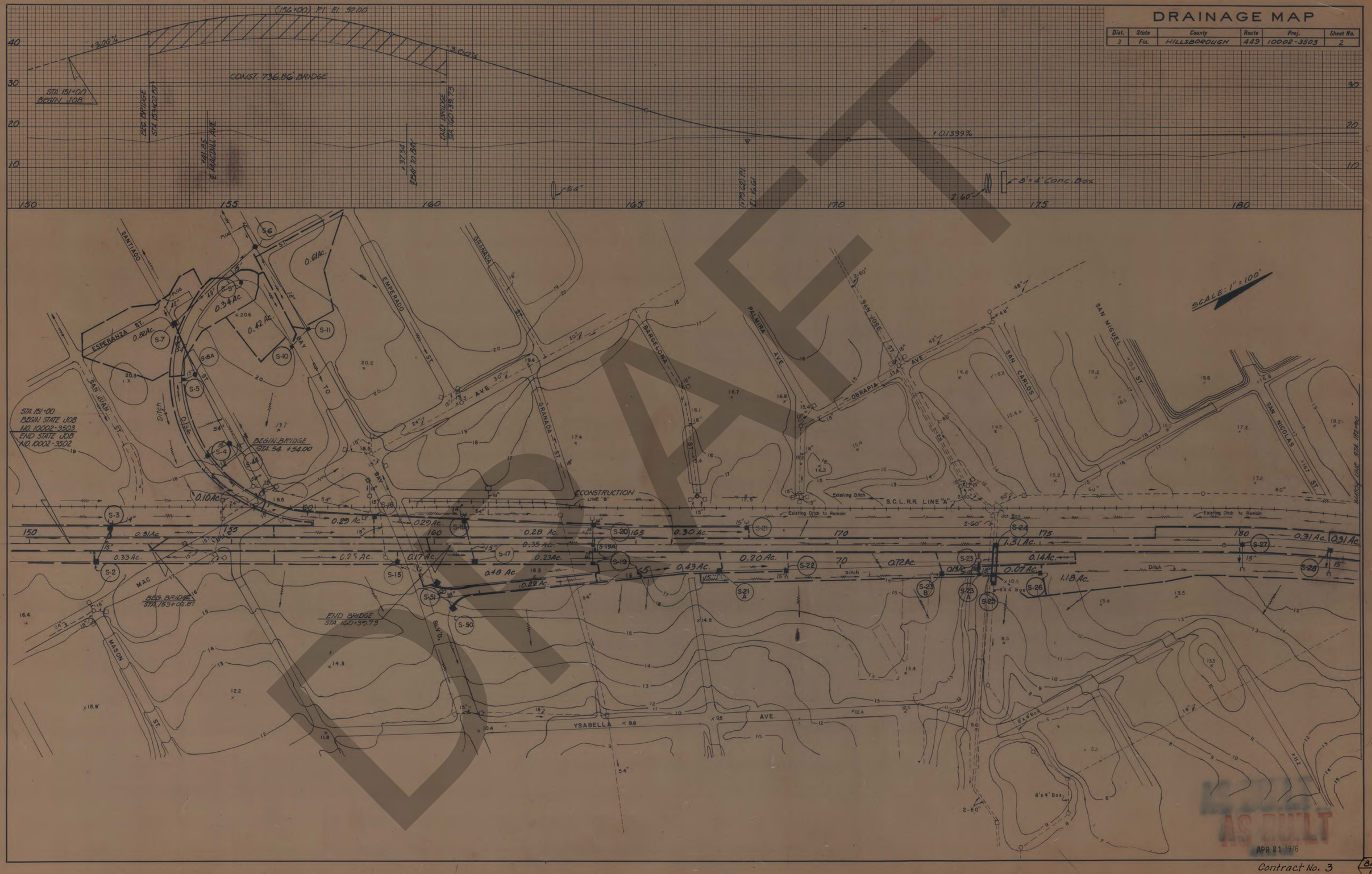
SUBMITTED W Wade Preston DATE 5/14/74

AS BUILT

84
1

DRAINAGE MAP

Dist.	State	County	Route	Proj.	Sheet No.
3	Fla.	HILLSBOROUGH	449	10002-3503	2



DRAFT

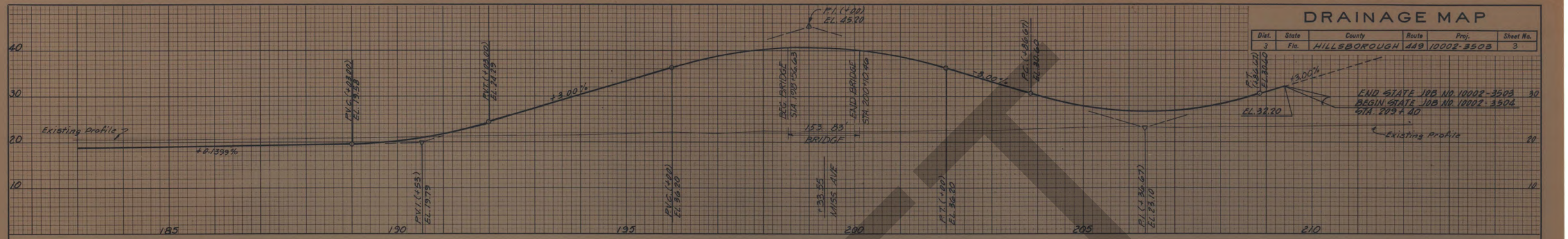
AS BUILT
APR 21 1976

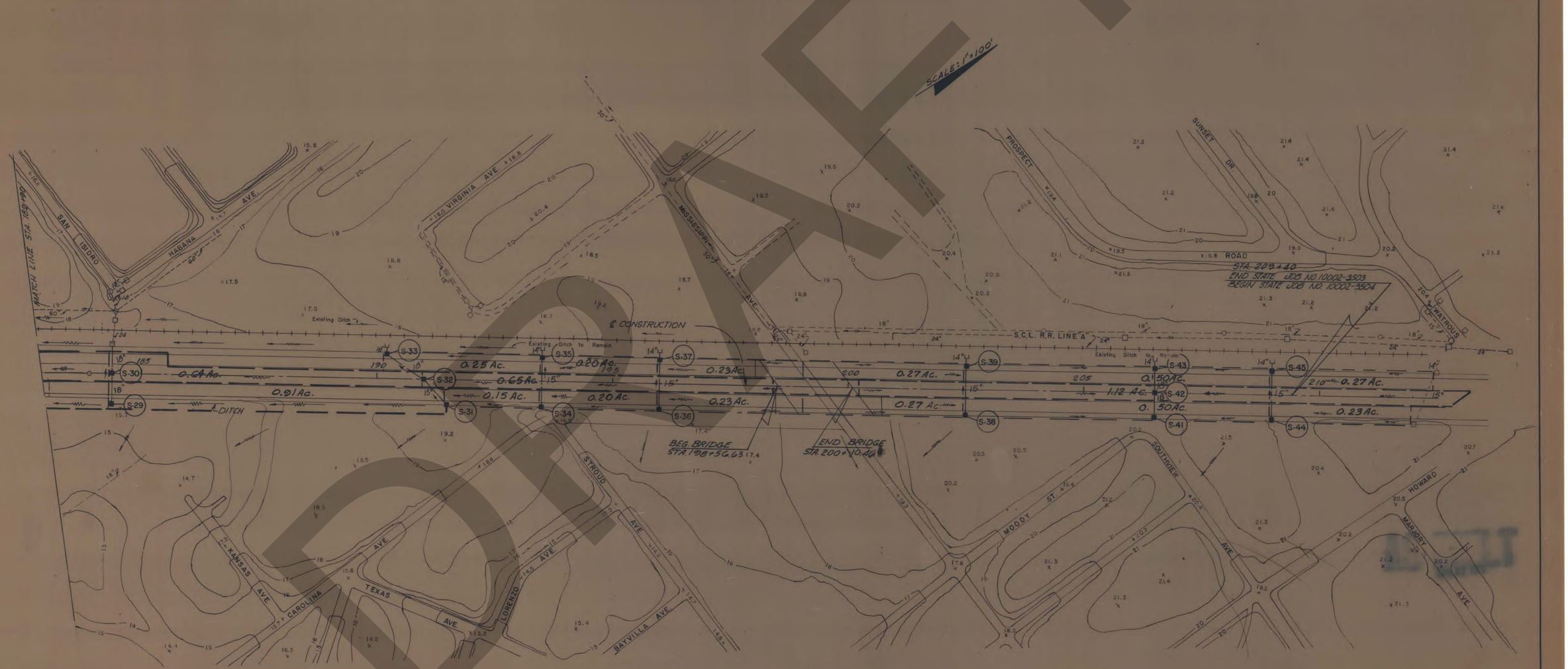
Contract No. 3

84
1

DRAINAGE MAP

Dist.	State	County	Route	Proj.	Sheet No.
3	Fla.	HILLSBOROUGH	449	10002-3503	3





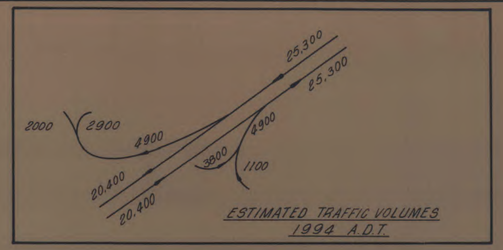
AS BUILT

APR 81 1976

84/1

Contract No. 3

SECTION	CONTRACT	SOUTH CROSSTOWN EXPRESSWAY	SHEET NO.
10002	3503		4
By: WACO	TAMPA-HILLSBOROUGH COUNTY EXPRESSWAY AUTHORITY		Date: 1973



ESTIMATED TRAFFIC VOLUMES
1994 A.D.T.

SCALE: 1" = 100'

CURVE NO. 43 ℄ RAMP "A"
P.I. STA. 50 + 24.78
Δ = 56°36'08.6"
D = 18°30'00"
R = 309.71'
T = 166.77'
L = 305.96'
P.C. STA 48 + 58.01
P.C.C. STA. 51 + 63.97

CURVE NO. 42 ℄ RAMP "A"
P.I. STA. 55 + 13.98
Δ = 90°27'17.5"
D = 16°30'00"
R = 347.25'
T = 350.02'
L = 548.21'
P.C.C. STA. 51 + 63.97
P.T. STA. 57 + 12.18

CURVE NO. 51 ℄ CONST. - BAY TO BAY
P.I. STA. 117 + 22.67
Δ = 120°00'30"
D = 4°00'00"
R = 1432.39'
T = 150.66'
L = 300.21'
P.C. STA. 115 + 72.01
P.T. STA. 118 + 72.22

CURVE NO. 10 ℄ RAMP "A"
P.I. STA. 181 + 82.03
Δ = 8°44'10.9"
D = 2°00'00"
R℄ = 2864.93'
T℄ = 238.35'
θs = 0°23'24"
Lc = 397.22'
Ls = 39.00'
T.S. STA. 179 + 43.68
S.T. STA. 184 + 19.50

CURVE NO. 31 ℄ CONST.
P.I. STA. 181 + 72.82
Δ = 8°44'10.9"
D = 2°01'02"
R = 2839.93'
T = 216.93'
L = 433.03'
P.C. STA. 179 + 55.89
P.T. STA. 183 + 88.92

CURVE NO. 41 ℄ RAMP "B"
P.I. STA. 66 + 12.29
Δ = 5°00'00"
D = 3°30'00"
R = 1637.02'
T = 71.47'
L = 142.86'
P.C. STA. 65 + 40.82
P.T. STA. 66 + 83.68

CURVE NO. 52 ℄ CONST. - BAY TO BAY
P.I. STA. 121 + 43.79
Δ = 6°30'55.9"
D = 3°00'00"
R = 1909.86'
T = 108.71'
L = 217.19'
P.C. STA. 120 + 35.08
P.T. STA. 122 + 52.27

CURVE NO. 53 ℄ BAYSHORE BLVD.
P.I. STA. 10 + 45.13
Δ = 37°51'23"
D = 4°30'00"
R = 1273.24'
T = 436.63'
L = 841.25'
P.C. STA. 6 + 08.50
P.T. STA. 14 + 49.75

STA. 109 + 75.63 ℄ CONST. - BAY TO BAY = STA. 48 + 33.81 ℄ RAMP "A"
STA. 115 + 30.02 ℄ CONST. - BAY TO BAY = STA. 52 + 70.53 ℄ MACDILL
CURVE NO. 43
STA. 48 + 58.01 ℄ RAMP "A"
P.C.C. STA. 51 + 63.97 ℄ RAMP "A"
℄ RAMP "A"
STA. 56 + 26.53 ℄ RAMP "A" = STA. 21 + 56.27 ℄ MACDILL
CURVE NO. 42
STA. 115 + 72.01 ℄ CONST. - BAY TO BAY
STA. 116 + 75.49 ℄ CONST. - BAY TO BAY = STA. 159 + 00.95 LINE "A"
STA. 117 + 05.69 ℄ CONST. - BAY TO BAY = STA. 59 + 10.72 ℄ RAMP "A"
END OF ℄ RAMP "A" STA. 63 + 02.49
STA. 63 + 02.49 ℄ CONST.
CURVE NO. 51 ℄ CONST. BAY TO BAY
STA. 118 + 72.22 ℄ CONST. - BAY TO BAY
STA. 159 + 37.34 ℄ CONST. = STA. 117 + 73.50 ℄ CONST. BAY TO BAY
STA. 57 + 12.18 ℄ RAMP "A"
STA. 156 + 22.25 LINE "A" = STA. 56 + 17.23 ℄ RAMP "A"
STA. 156 + 04.29 LINE "A" = STA. 21 + 48.31 ℄ MACDILL
STA. 154 + 41.85 ℄ CONST. = STA. 19 + 64.66 ℄ MACDILL
STA. 151 + 00 ℄ CONST. = STA. 151 + 02.35 LINE "A"
BEGIN STATE JOB NO. 10002 - 3503
END STATE JOB NO. 10002 - 3502
STA. 12 + 31.48 BARCELONA
STA. 15 + 01.26 BARCELONA = STA. 166 + 60.11 LINE "A"
STA. 15 + 92.17 BARCELONA = STA. 166 + 70.60 ℄ CONST.
STA. 119 + 11.58 ℄ CONST. - BAY TO BAY = STA. 59 + 78.00 ℄ RAMP "B"
℄ CONST. - BAY TO BAY
PC STA 120 + 35.08
PT STA 122 + 52.27
CURVE NO. 52
CURVE NO. 41
PC STA 65 + 40.82
PT STA 66 + 83.68
STA. 125 + 70.56 ℄ CONST. - BAY TO BAY = STA. 10 + 00 ℄ BAYSHORE BLVD.
PT STA 14 + 49.75
℄ BAYSHORE BLVD.
CURVE NO. 53
STA. 179 + 82.68
STA. 179 + 43.68
I.R.
T.S.
S.C.
85°15'54.5"
CURVE 31
CURVE 10
STA. 184 + 19.50
STA. 183 + 20.50
I.R.
C.S.
S.T.
I.R.
PT STA. 183 + 88.92
MATCH LINE STA. 185 + 00.00 = STA. 185 + 16.06 LINE ℄ CONST. "A"
N. ℄ D.
STA. 12 + 31.48 BARCELONA
℄ BARCELONA S 68°07'39" E
LINE "A"
N. ℄ D.
N - 29° - 58' - 16.1" - E
STA. 175 + 83.86
END ℄ RAMP "B" STA. 75 + 83.86
BASE LINE RAMP "B"
N - 28° - 49' - 31.4" - E
CONST.
21°54'00"
N 0°06'46.7" W
N 89°35'07.3" W
N 0°06'28" E
N. ℄ D.
N 0°39'58" E
N 32°49'47.2" E
N 23°29'31.25" E
S 23°55'32.9" E
66°29'01" T.C.
N 25°24'56" W
I.P.
90°00'00"
N 38°42'27" E
STA. 207 + 00 ℄ CONST. = STA. 207 + 16.06 LINE "A"
END STATE JOB NO. 10002 - 3503
BEGIN STATE JOB NO. 10002 - 3504
STA. 9 + 17.32 ℄ MISSISSIPPI = STA. 198 + 78.85 LINE "A"
STA. 8 + 00 ℄ MISSISSIPPI
℄ CONSTRUCTION
51°49'50"
303°27'49" E
STA. 10 + 31.80 ℄ MISSISSIPPI = STA. 199 + 33.55 ℄ CONST.
STA. 12 + 00 ℄ MISSISSIPPI.

COORDINATES			
NO	DESCRIPTION	NORTH	EAST
1	STA. 154 + 41.85 ℄ CONST.	1,303,226.50	340,526.02
2	STA. 156 + 04.26 LINE "A"	1,303,410.14	340,528.03
3	STA. 156 + 22.22 LINE "A"	1,303,425.70	340,537.00
4	STA. 21 + 56.27 ℄ MACDILL	1,303,418.10	340,528.12
5	P.I. CURVE NO. 42	1,303,203.39	340,408.92
6	P.C.C. STA 51 + 63.97 RAMP "A"	1,303,395.47	340,116.32
7	P.I. CURVE NO. 43	1,303,487.00	339,976.91
8	P.C. STA 48 + 58.01 RAMP "A"	1,303,653.76	339,976.57
9	STA. 109 + 75.63 ℄ BAY TO BAY	1,303,677.96	339,976.53
10	INT. MACDILL & BAY TO BAY	1,303,672.34	340,530.89
11	P.C. STA 115 + 72.01 BAY TO BAY	1,303,671.91	340,572.88
12	STA. 159 + 00.93 LINE "A"	1,303,667.14	340,676.22
13	P.I. CURVE NO. 51	1,303,670.39	340,723.53
14	STA. 59 + 10.72 RAMP "A"	1,303,664.33	340,706.31
15	P.T. STA 118 + 72.22 ℄ BAY TO BAY	1,303,637.55	340,870.57
16	INT. RAMP "B" & BAY TO BAY	1,303,628.97	340,908.98
17	P.C. STA 120 + 35.08 ℄ BAY TO BAY	1,303,602.05	341,029.51
18	P.I. CURVE NO 52	1,303,578.35	341,135.61
19	P.T. STA 122 + 52.27 ℄ BAY TO BAY	1,303,566.85	341,243.71
20	INT. BAY TO BAY & BAYSHORE	1,303,533.18	341,560.22
21	STA. 63 + 02.49 RAMP "A"	1,303,993.53	340,918.71
22	P.C. STA 65 + 40.82 RAMP "B"	1,304,143.94	341,135.99
23	P.I. CURVE NO. 41	1,304,209.32	341,164.86
24	P.T. STA 66 + 83.68	1,304,271.94	341,199.32
25	STA. 166 + 70.60 ℄ CONST.	1,304,290.93	341,139.85
26	STA. 166 + 60.11 LINE "A"	1,304,324.80	341,055.49
27	STA. 75 + 83.86 RAMP "B"	1,305,060.58	341,633.34
28	P.C. STA 179 + 55.89 ℄ CONST.	1,305,404.35	341,781.94
29	P.I. CURVE NO. 31	1,305,592.27	341,890.31
30	P.T. STA 183 + 88.92 ℄ CONST.	1,305,761.55	342,025.97
31	P.I. CURVE NO. 10	1,305,643.19	341,815.78
32	STA. 199 + 33.55 ℄ CONST	1,306,966.91	342,991.90
33	STA. 198 + 78.85 LINE "A"	1,306,967.98	342,877.43
34	STA. 207 + 16.06 LINE "A"	1,307,621.29	343,400.97
35	STA. 207 + 00 ℄ CONST	1,307,565.92	343,471.81
36	STA. 151 + 02.32 LINE "A"	1,302,975.30	340,277.26
37	STA. 151 + 00 ℄ CONST	1,302,930.36	340,355.24
38	P.T. STA 57 12.18 RAMP "A"	1,303,497.51	340,598.68
39	STA. 159 + 37.36 ℄ CONST	1,303,655.74	340,773.55
40			

NOTE: HORIZONTAL CONTROL DATUM IS BASED ON U.S.C. & G.S. GRID COORDINATE SYSTEM N.A.D. 1927.

REFERENCE POINTS LEGEND:
- I.R. - IRON ROD SET IN CONCRETE. (POL.)
- I.R. - IRON ROD SET IN CONCRETE. (P.I.)
- N&D - NAIL & DISC. (P.O.L)
- N&D - NAIL & DISC. (P.I.)

DRAFT

APR 21 1976

NO.	REVISION	BY	DATE

TAMPA - HILLSBOROUGH COUNTY EXPRESSWAY AUTHORITY

SOUTH CROSSTOWN EXPRESSWAY

ALIGNMENT CONTROL

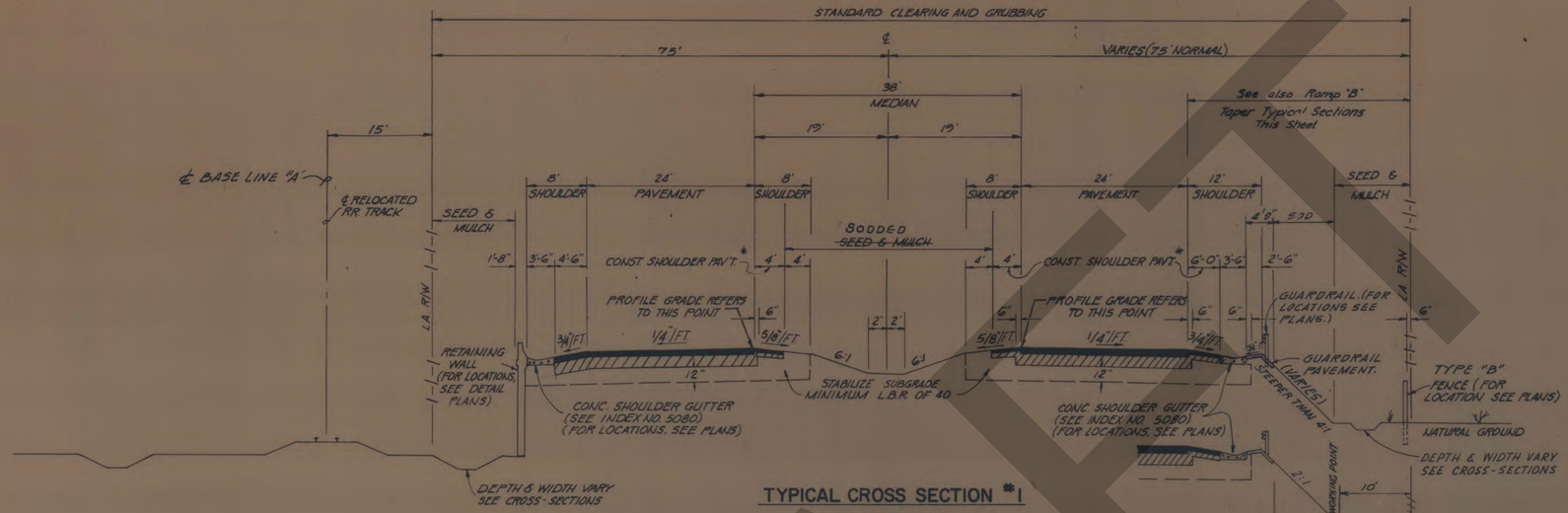
J. E. GREINER COMPANY — WATSON & COMPANY
CONSULTING ENGINEERS — TAMPA, FLORIDA

MADE D. MARCH DATE 4-13-73 | TRACED EAJ DATE 1973
CHECKED JNC DATE 11-73 | SCALE AS NOTED

84/1

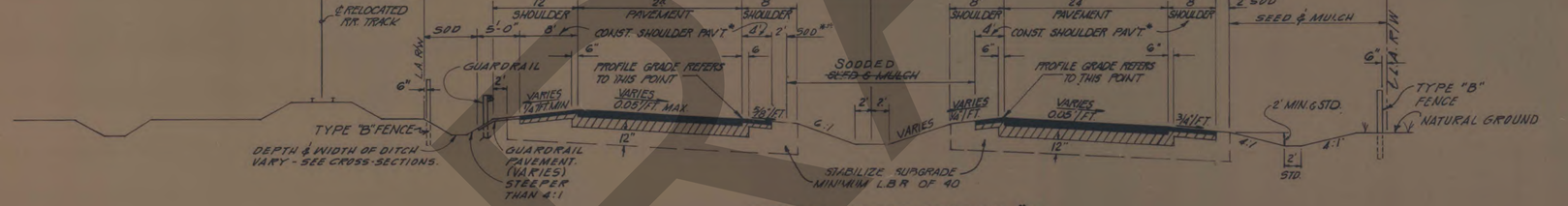
Contract No. 3

SECTION	CONTRACT	SOUTH CROSSTOWN EXPRESSWAY	SHEET NO.
10002	3503		5
By WACO	TAMPA-HILLSBOROUGH COUNTY EXPRESSWAY AUTHORITY		Date: 1973



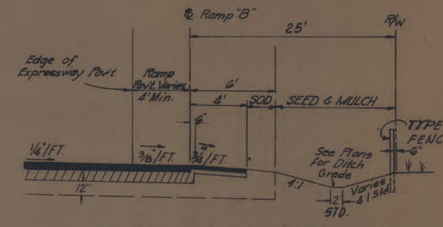
TYPICAL CROSS SECTION #1
EXPRESSWAY

DESIGN SPEED 50 MPH.
LIMEROCK BASE (10" THICK, DOUBLE COURSE) PRIMED, WITH TYPE S-1 ASPHALTIC CONCRETE (2" THICK) AND ASPHALTIC CONCRETE WEARING COURSE (1" THICK).

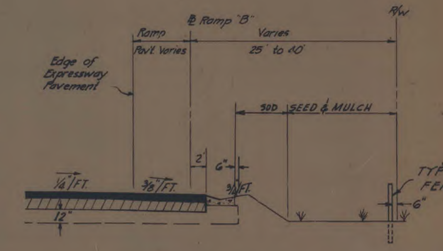


TYPICAL CROSS SECTION #2
EXPRESSWAY

DESIGN SPEED 50 M.P.H.
LIMEROCK BASE (10" THICK, DOUBLE COURSE) PRIMED, WITH TYPE S-1 ASPHALTIC CONCRETE (2" THICK) AND ASPHALTIC CONCRETE WEARING COURSE (1" THICK).



TYPICAL CROSS SECTION I-A
RAMP "B" TAPER



TYPICAL CROSS SECTION I-B
RAMP "B" TAPER

NOTES:

1. * ALT. - SHOULDER PAVEMENT SHALL BE EITHER LIMEROCK BASE (5" THICK) PRIMED, WITH (TYPE S-1) ASPHALTIC CONCRETE (1" THICK) AND ASPHALTIC CONCRETE WEARING COURSE (1" THICK) (ALT. "A") OR (ALT. "B") SAND-ASPHALT HOT MIX (5" THICK) (800 LB. STABILITY) AND ASPHALTIC CONCRETE WEARING COURSE (1" THICK)
2. ** SOD 2' ADJACENT TO PAVED SHOULDER IN SUPERELEVATION SECTIONS WHEN ROADWAY WATER DRAINS TO MEDIAN DITCH.
3. WHERE SHOULDER PAVEMENT ADJACENT TO SHOULDER GUTTER IS LESS THAN 6' WIDE, IT SHALL BE IDENTICAL TO THE ADJACENT ROADWAY PAVEMENT.

AS BUILT
APR 21 1976

NO.	REVISION	BY	DATE

TAMPA-HILLSBOROUGH COUNTY EXPRESSWAY AUTHORITY

SOUTH CROSSTOWN EXPRESSWAY

TYPICAL SECTIONS

J. E. GREINER COMPANY — WATSON & COMPANY
CONSULTING ENGINEERS TAMPA, FLORIDA

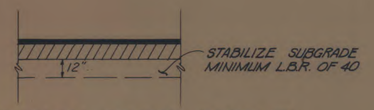
MADE D.MARCH DATE 1973 | TRACED E.A.J. DATE 1973
CHECKED J.N.C. DATE 1973 | SCALE NOT TO SCALE

84/1

Contract No. 3

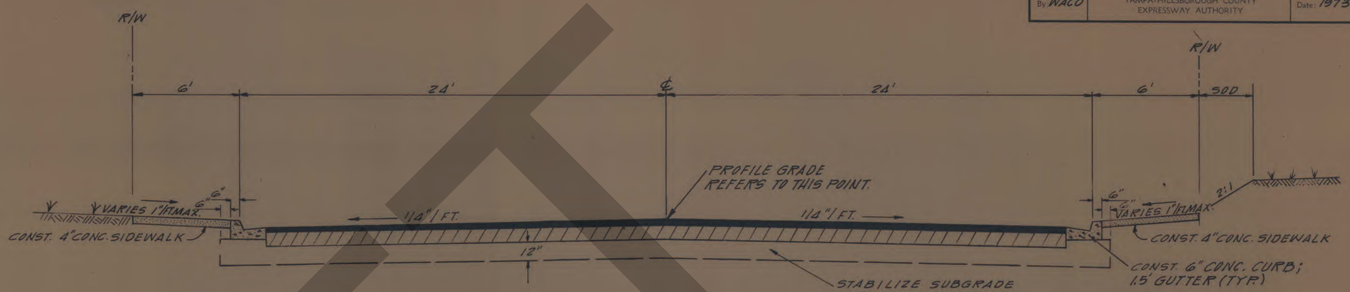
DRAFT

SECTION	CONTRACT	SOUTH CROSSTOWN EXPRESSWAY	SHEET NO.
10002	3503		6
By WACO	TAMPA-HILLSBOROUGH COUNTY EXPRESSWAY AUTHORITY		Date: 1973



TYPICAL CROSS SECTION
SANTIAGO STREET & CAROLINA AVE.

DESIGN SPEED 30 M.P.H.
LIMEROCK BASE (9" THICK, DOUBLE COURSE) PRIMED, WITH TYPE S-1 ASPHALTIC CONCRETE (3" THICK, DOUBLE COURSE) (BOTTOM LAYER 1½" THICK, TOP LAYER 1½" THICK)

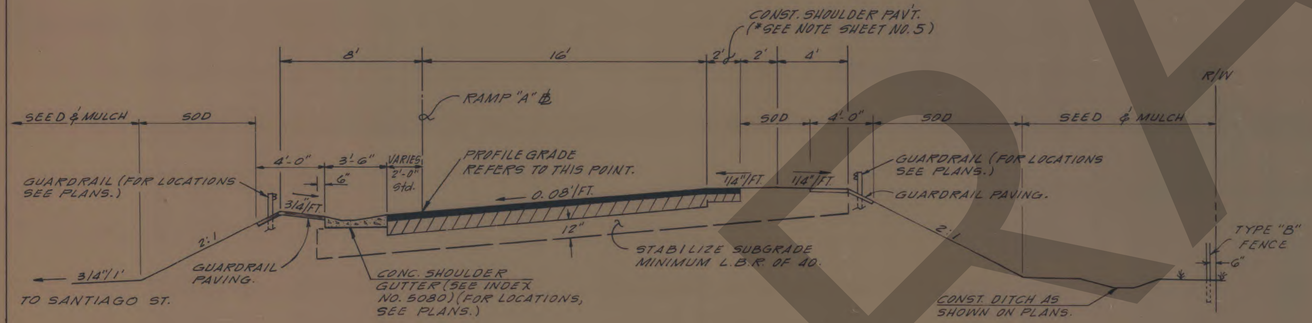


TYPICAL CROSS SECTION
BAY TO BAY BLVD.

DESIGN SPEED 35 M.P.H.
LIMEROCK BASE (9" THICK, DOUBLE COURSE) PRIMED, WITH TYPE S-1 ASPHALTIC CONCRETE (3" THICK, DOUBLE COURSE) (BOTTOM LAYER 1½" THICK, TOP LAYER 1½" THICK.)

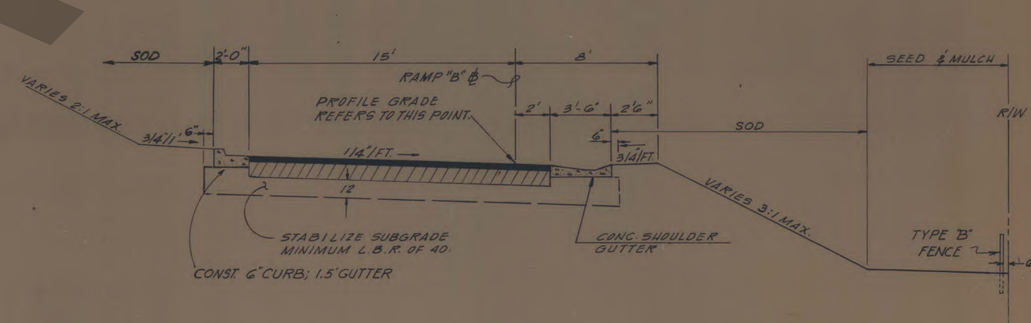
NOTE: CONST. ONLY SIDEWALK (NORTH SIDE) UNDER BAY TO BAY BRIDGE (SEE PLAN SHEET FOR LOCATION)

NOTE:
NONE OF THE EXISTING LIMEROCK BASE THAT IS REMOVED IS TO BE USED IN THE CONSTRUCTION OF THE NEW BASE. ALL OF THE EXISTING ROCK BASE MATERIAL WHICH IS REMOVED IS TO BE INCORPORATED IN THE STABILIZED PORTION OF THE SUBGRADE.



TYPICAL CROSS SECTION
RAMP "A"

DESIGN SPEED 35 M.P.H.
LIMEROCK BASE (10" THICK, DOUBLE COURSE) PRIMED, WITH TYPE S-1 ASPHALTIC CONCRETE (2" THICK) AND ASPHALTIC CONCRETE WEARING COURSE (1" THICK)



TYPICAL CROSS SECTION
RAMP "B"

DESIGN SPEED 35 M.P.H.
LIMEROCK BASE (10" THICK, DOUBLE COURSE) PRIMED, WITH TYPE S-1 ASPHALTIC CONCRETE (2" THICK) AND ASPHALTIC CONCRETE WEARING COURSE (1" THICK)

AS BUILT
APR 21 1976

NO.	REVISION	BY	DATE

TAMPA-HILLSBOROUGH COUNTY EXPRESSWAY AUTHORITY

SOUTH CROSSTOWN EXPRESSWAY

TYPICAL SECTIONS

J. E. GREINER COMPANY — WATSON & COMPANY
CONSULTING ENGINEERS TAMPA, FLORIDA

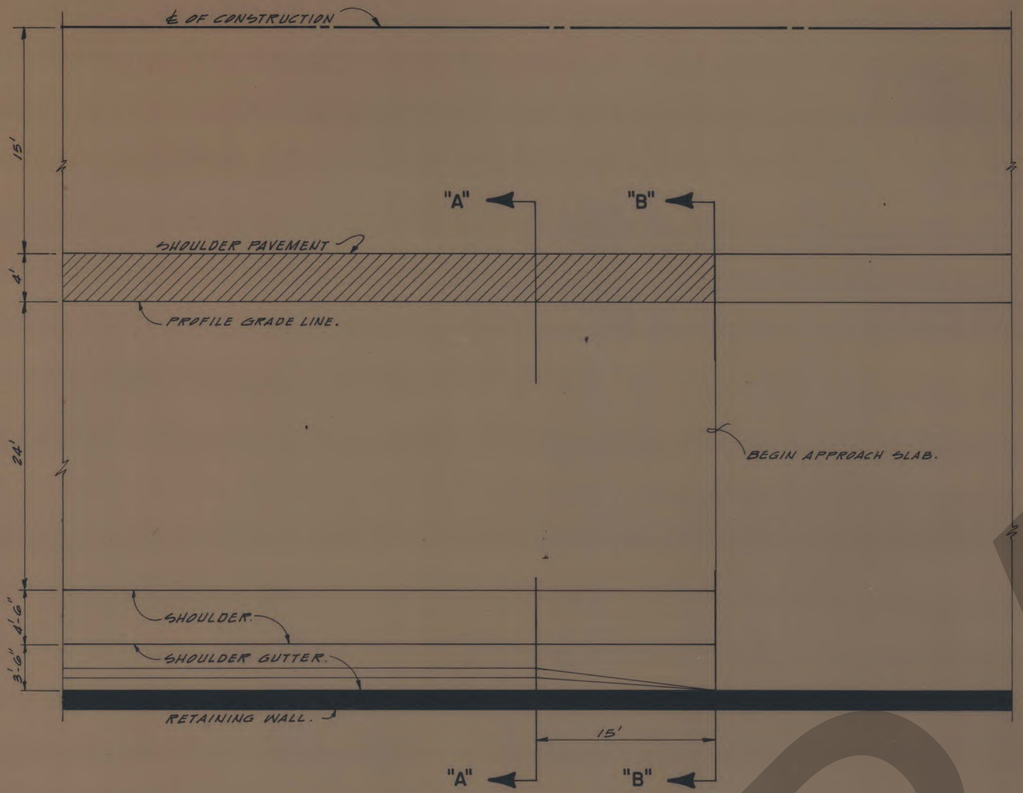
MADE D. MARCH DATE 1973 | TRACED EAJ DATE 1973
CHECKED J.N.C. DATE 1973 | SCALE NOT TO SCALE

84/1

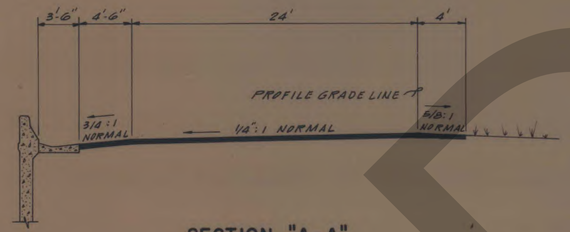
Contract No. 3

DRAFT

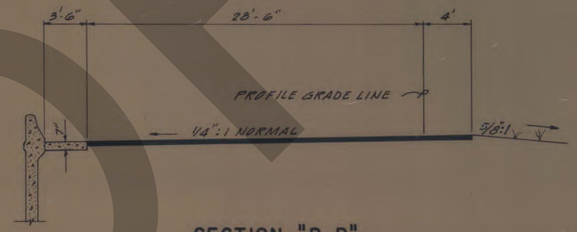
SECTION	CONTRACT	SOUTH CROSSTOWN EXPRESSWAY	SHEET NO.
10002	3503		7
By WACO	TAMPA-HILLSBOROUGH COUNTY EXPRESSWAY AUTHORITY		Date 1974



PLAN

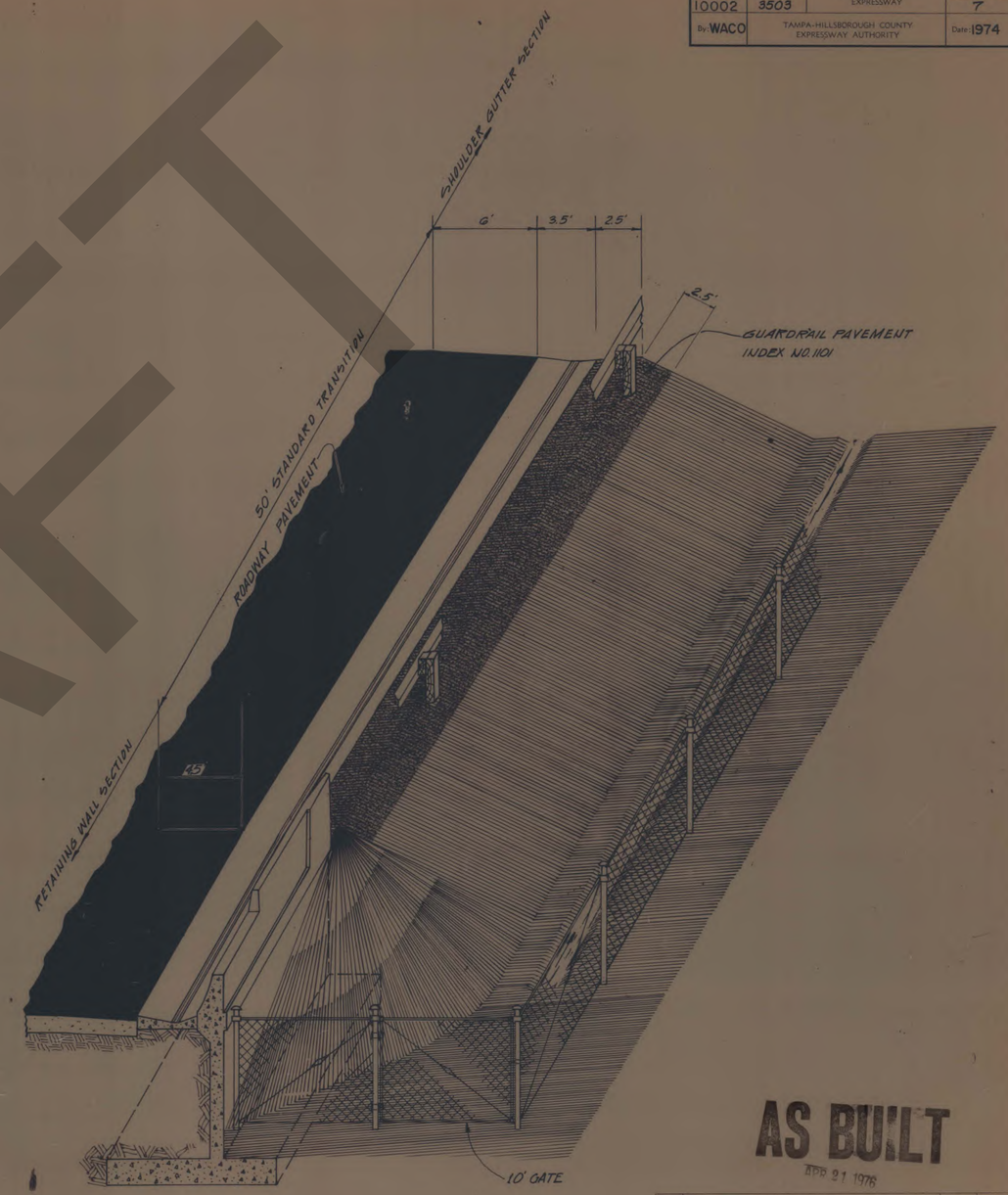


SECTION "A-A"
RETAINING WALL.



SECTION "B-B"
APPROACH SLAB

15' TRANSITION — RETAINING WALL TO APPROACH SLAB



TRANSITION DETAIL
RETAINING WALL SECTION TO SHOULDER GUTTER SECTION.

AS BUILT
APR 21 1976

NO.	REVISION	BY	DATE

TAMPA - HILLSBOROUGH COUNTY EXPRESSWAY AUTHORITY

SOUTH CROSSTOWN EXPRESSWAY

MISCELLANEOUS DETAILS

J. E. GREINER COMPANY — WATSON & COMPANY
CONSULTING ENGINEERS TAMPA, FLORIDA

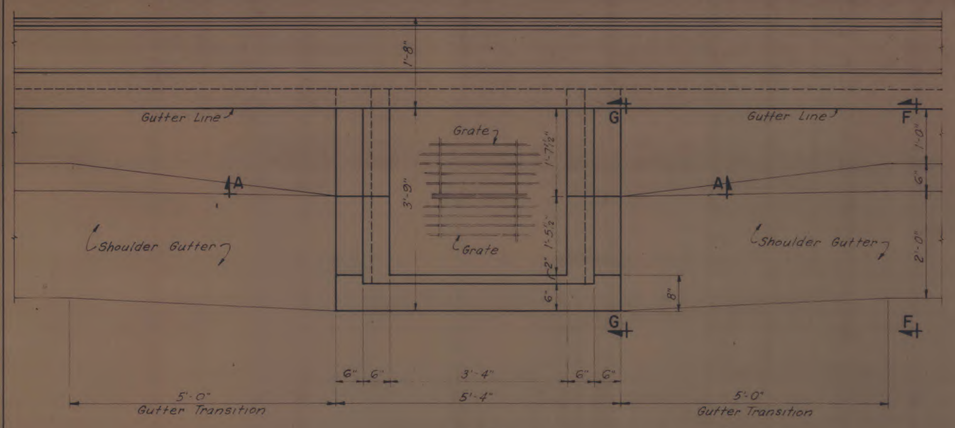
MADE J.N.C. DATE
CHECKED J.N.C. DATE
TRACED R.D. DATE
SCALE NOT TO SCALE

84-1

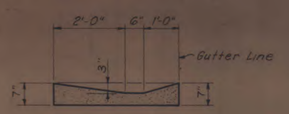
Contract No. 3

DRAFT

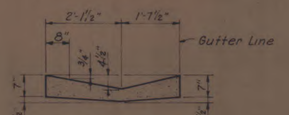
SECTION	CONTRACT	SOUTH CROSSTOWN EXPRESSWAY	SHEET NO.
10002	3503		8
By J.E.G.	TAMPA-HILLSBOROUGH COUNTY EXPRESSWAY AUTHORITY		Date 1973



PLAN

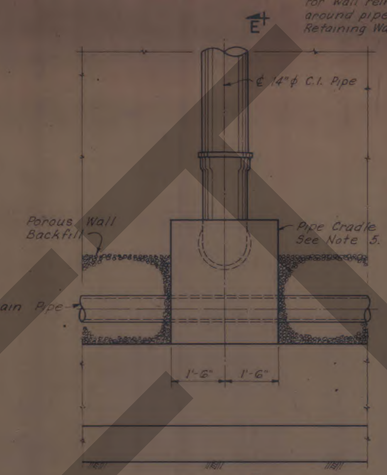


SECTION F-F

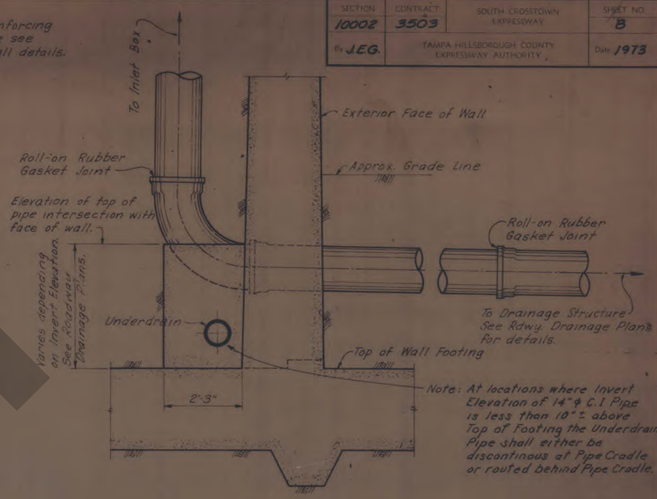


SECTION G-G

DETAILS OF SHOULDER GUTTER TRANSITION

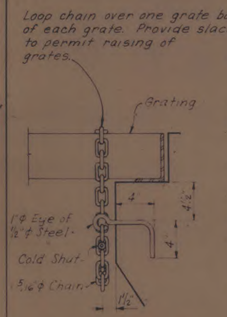


ELEVATION

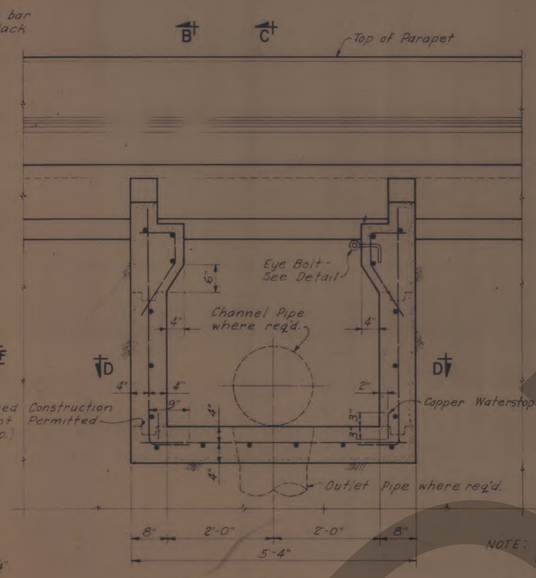


SECTION E-E

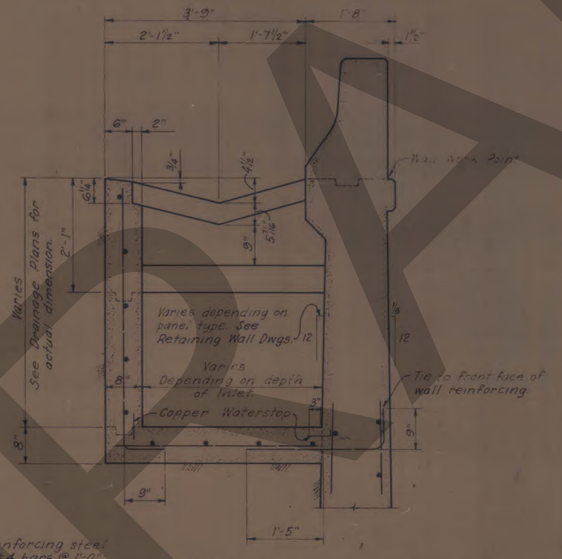
PIPE CRADLE DETAILS



EYE BOLT AND CHAIN DETAIL FOR SECURING OF INLET GRATES

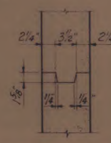


SECTION A-A

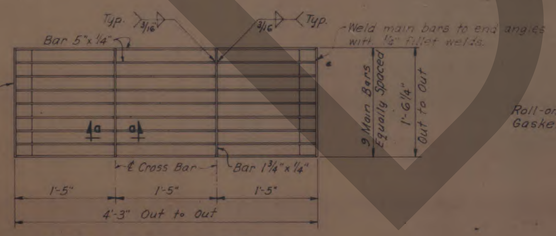


SECTION B-B

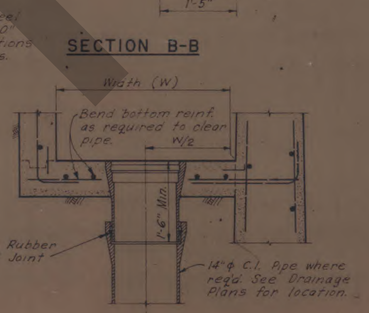
NOTE: All reinforcing steel to be #4 bars @ 1'-0" centers. See sections for leg dimensions.



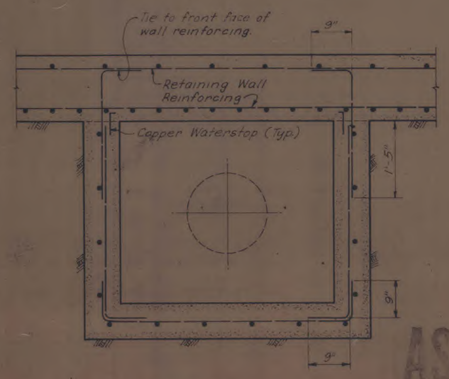
CONSTRUCTION JOINT KEY DETAIL



STEEL GRATING DETAILS
(2 Required)



SECTION C-C



SECTION D-D

section a-a

NOTES

1. Concrete for Box to be Class II
2. All reinforcing to have a minimum of 2" concrete cover unless otherwise noted.
3. Copper waterstop shall be continuous 24 oz. copper strip, 6" wide.
4. All items necessary for the completion of each box, including grates and reinforcing embedded in retaining wall, etc., shall be included in the Contract Unit Price bid for each inlet.
5. Pipe Cradle to be Class I Concrete accurately shaped so as to fit contour of pipe surface, extending as shown from top of pipe intersection with face of wall to top of footing.
6. All exposed edges to be tooled to ¼" radius.

NO.	REVISION	BY	DATE

TAMPA-HILLSBOROUGH COUNTY EXPRESSWAY AUTHORITY

SOUTH CROSSTOWN EXPRESSWAY

DRAINAGE DETAILS INLET TYPE BW

J. E. GREINER COMPANY — WATSON & COMPANY
CONSULTING ENGINEERS — TAMPA, FLORIDA

MADE R.M.W.	DATE 10-72	TRACED R.M.W.	DATE 10-72
CHECKED L.H.S.	DATE 10-72	SCALE None	

STANDARD DRAWING NO. 21

B4 / 1

AS BUILT
APR 21 1976

Contract No. 3.

DRAFT

SECTION	CONTRACT	SOUTH CROSSTOWN EXPRESSWAY	SHEET NO.
10002	3503		9
By: WACO	TAMPA-HILLSBOROUGH COUNTY EXPRESSWAY AUTHORITY		Date: 1974

SUMMARY OF ROADWAY QUANTITIES

	ITEM NO.	ITEM	ASBUILT QUANTITIES	UNIT	QUANTITY
	101-1	MOBILIZATION	1	LUMP SUM	1
	102-1	MAINTENANCE OF TRAFFIC	1	LUMP SUM	1
	102-3	COMMERCIAL MATERIALS FOR DRIVEWAY MAINTENANCE	0	CU. YD.	50
	102-4	CALCIUM CHLORIDE FOR DUST CONTROL	2.05	TON	28
	104-1	ARTIFICIAL COVERINGS	0	SQ. YD.	621
	104-2	MULCHING (TEMPORARY)	0	SQ. YD.	3107
	104-3	SODDING (TEMPORARY)	1333	SQ. YD.	3107
	104-4	MOWING	0	ACRE	3.2
	104-5	SANDBAGGING	0	CU. YD.	80
	104-6	SLOPE DRAINS (TEMPORARY)	0	LIN. FT.	100
	110-1	CLEARING AND GRUBBING	1	LUMP SUM	1
	120-6	EMBANKMENT (See Revision)	155,263	CU. YD.	155,263 ①
	120-8	FINAL DRESSING	1	LUMP SUM	1
	160-4	TYPE B STABILIZATION	58,589	SQ. YD.	84,170
	200-1-8	LIMEROCK BASE (5" THICK)	9147	SQ. YD.	8,600
Sh'ld. ALT. F	300-1-1B	BITUMINOUS MATERIAL (PRIME COAT)	1111	GAL.	1890
Sh'ld. ALT. F	300-1-3B	BITUMINOUS MATERIAL (TACK COAT)	499	GAL.	380
Sh'ld. ALT. F	300-1-13B	BITUMINOUS MATERIAL (PLANT MIX) (AC-20)	22,842	GAL.	1290
Sh'ld. ALT. F	331-1-1	TYPE S-I ASPHALTIC CONCRETE (1" THICK)	11,646	SQ. YD.	9503
Sh'ld. ALT. F	338-70-1B	ASPHALTIC CONCRETE WEARING COURSE (1" THICK)	11,367	SQ. YD.	9503
	300-1-3C	BITUMINOUS MATERIAL (TACK COAT)	0	GAL.	475
Sh'ld. ALT. G	300-1-13C	BITUMINOUS MATERIAL (PLANT MIX) (AC-20)	0	GAL.	41,926
Sh'ld. ALT. G	335-1-61	SAND-ASPHALT HOT MIX (3" THICK) (800 LB. STABILITY)	0	SQ. YD.	9,503
Sh'ld. ALT. G	338-70-1C	ASPHALTIC CONCRETE WEARING COURSE (1" THICK)	0	SQ. YD.	9,503
	200-1-3	LIMEROCK BASE (10" THICK) [DOUBLE COURSE]	33,692	SQ. YD.	32,236
	200-1-7	LIMEROCK BASE (9" THICK) [DOUBLE COURSE]	5490	SQ. YD.	5,854
	300-1-1A	BITUMINOUS MATERIAL (PRIME COAT)	4967	GAL.	8,714
	300-1-3A	BITUMINOUS MATERIAL (TACK COAT)	1727	GAL.	1487
	300-1-13A	BITUMINOUS MATERIAL (PLANT MIX) (AC-20)	93,568	GAL.	92,136
	331-1-5	TYPE S-I ASPHALTIC CONCRETE (2" THICK)	34,934	SQ. YD.	31,347
	331-1-9	TYPE S-I ASPHALTIC CONCRETE (3" THICK) [DOUBLE COURSE]	5678	SQ. YD.	5,829
	338-70-1A	ASPHALTIC CONCRETE WEARING COURSE (1" THICK)	37,873	SQ. YD.	31,347
	339-70	MISCELLANEOUS ASPHALT PAVEMENT [PAVEMENT UNDER GUARDRAIL]	187	TON	207
	360-1	CONCRETE APPROACH SLABS	9	EACH	9
	400-1-2	CLASS I CONCRETE (ENDWALLS)	22.73	CU. YD.	22
	400-2-1	CLASS II CONCRETE (CULVERTS)	63.5	CU. YD.	64
	415-1-1	REINFORCING STEEL (ROADWAY)	9900	POUND	9874
	425-1-1	INLETS (CURB)	7	EACH	7
	425-1-2	INLETS (DITCH BOTTOM)	10	EACH	10
	425-1-3	INLETS (SPECIAL) [TYPE BW]	9	EACH	8
	425-2	MANHOLES	4	EACH	5
	425-5	ADJUSTING MANHOLES	1	EACH	1
	425-72	MODIFYING INLETS	3	EACH	1
	425-74	SHOULDER GUTTER INLETS	15	EACH	15
	430-1-22	CONCRETE PIPE CULVERT (15") [STORM SEWER]	978	LIN. FT.	950
	430-1-23	CONCRETE PIPE CULVERT (18") [STORM SEWER]	866	LIN. FT.	858
	430-1-27	CONCRETE PIPE CULVERT (42") [STORM SEWER]	84	LIN. FT.	84
	430-1-28	CONCRETE PIPE CULVERT (48") [STORM SEWER]	304	LIN. FT.	308
	430-1-29	CONCRETE PIPE CULVERT (54") [STORM SEWER]	264	LIN. FT.	264
	430-1-59	CONCRETE PIPE CULVERT (54") (SPECIAL) [STORM SEWER]	140	LIN. FT.	140
ALT.	430-2-22	CORRUGATED STEEL PIPE CULVERT (15") [GUTTER DRAIN]		LIN. FT.	75
ALT.	430-8-22	CORRUGATED ALUMINUM PIPE CULVERT (15") [GUTTER DRAIN]		LIN. FT.	75
	430-15-G	CAST IRON PIPE CULVERT (14") (STANDARD)	157	LIN. FT.	157
	430-15-12	CAST IRON PIPE CULVERT (G") (HEAVY)	29	LIN. FT.	24
	440-1-2	UNDERDRAINS (G")	120	LIN. FT.	200
	460-71	ENDWALL GRATE	1066	POUND	1026
	520-1-1	CONCRETE CURB AND GUTTER (G" CURB, 1.5' GUTTER)	2216.5	LIN. FT.	2280
	520-1-7	CONCRETE CURB AND GUTTER (TYPE E)	173.9	LIN. FT.	169
	520-2-1	CONCRETE CURB (TYPE A)	80.8	LIN. FT.	88
	520-2-4	CONCRETE CURB (TYPE D)	189.7	LIN. FT.	198
	520-6	CONCRETE SHOULDER GUTTER	5980	LIN. FT.	5778
	522-1	CONCRETE SIDEWALK, 4" THICK	652.7	SQ. YD.	767
	522-2	CONCRETE SIDEWALK, 6" THICK	366.9	SQ. YD.	249
	524-1-1	CONCRETE DITCH PAVEMENT (5" THICK)	211.1	SQ. YD.	100
	536-1-1	GUARDRAIL (ROADWAY)	3956.8	LIN. FT.	3720
	536-6	END ANCHORAGE ASSEMBLIES, TYPE II	11	EACH	11
	544-75	VEHICULAR IMPACT ATTENUATOR [HYDRO-CELL]	1	EACH	1
	550-2	FENCING, TYPE B	8560	LIN. FT.	9,083
	550-3-2	CORNER POST ASSEMBLIES (TYPE B FENCE)	21	EACH	21
	550-4-2	PULL AND END POST ASSEMBLIES (TYPE B FENCE)	39	EACH	27
	550-70-2	FENCE GATES (TYPE B FENCE)	10	EACH	7
	570-2	SEEDING AND MULCHING	24423	SQ. YD.	63,252
	570-3	GRASS SEED (PERMANENT TYPE)	570	POUND	1,307
	570-4	MULCH MATERIAL	16.2	TON	52
	570-5	FERTILIZER	7.27	TON	7
	570-9	WATER FOR GRASSING	68.4	M. GALS.	201
	570-10	GRASS SEED (QUICK-GROWING TYPE)	171	POUND	196
	575-1	SODDING	41,455	SQ. YD.	12,528.

SUMMARY OF GUARDRAIL

STATION TO STATION	RT. ROADWAY LT.	RT. ROADWAY RT.	LT. ROADWAY LT.	LT. ROADWAY RT.	TOTAL
151+67.00 TO 152+67.00	200.00				200.00
160+93.87 TO 161+68.87				200.00	200.00
161+00.15 TO 164+00.15		300.00			300.00
167+00.00 TO 167+62.50			62.50		62.50
172+85.86 TO 175+83.86		300.00			300.00
192+07.50 TO 197+70.00		562.50			562.50
197+33.42 TO 198+58.42	200.00				200.00
200+08.67 TO 201+33.67				200.00	200.00
200+90.00 TO 209+10.00		820.00			820.00
50+39.96 TO 54+39.96 @ RAMP "A"			400.00	400.00	800.00
SANTIAGO STREET			25.00	50.00	75.00
SUMMARY OF ASBUILT GUARDRAIL					
Sta. 151+67.00 TO 152+67.00	208.60				208.60
" 160+93.87 To 161+68.87				208.90	208.90
" 161+00.15 TO 164+00.15		303.75			303.75
" 167+00 TO 167+62.50			151.85		151.85
" 172+85.86 TO 175+83.86		302.00			302.00
" 192+07.50 TO 197+70.00		564.50			564.50
" 197+33.42 TO 198+58.42	208.75				208.75
" 200+08.67 To 201+33.67				208.75	208.75
" 200+90.00 To 209+10		824.85			824.85
Sta. 50+39.96 To 54+39.96 RAMP "A"			389.70		389.70
" 50+39.96 To 54+39.96 RAMP "A"	413.00				
DEADEND SANTIAGO ST.			25.00		25.00
DEADEND SANTIAGO ST.			50.10		50.10
DEADEND SANTIAGO ST.			25.00		25.00
DEADEND SANTIAGO ST.			20.00		20.00
R/W SANTIAGO ST.			26.00		26.00
R/W BAY TO BAY BLVD.			26.00		26.00
TOTAL					3956.8
TOTAL					~~3,720.00~~

SUMMARY OF SOD

STATION TO STATION	LT.	MED.	RT.	TOTAL
161+00 TO 168+50			1000③	1003
173+50 TO 175+50			303	303
177+79 TO 185+66		175		175
180+00 TO 185+00	1333			1333
192+50 TO 194+30			200	200
194+30 TO 197+45			1466	1466
200+90 TO 203+25			898	898
203+25 TO 206+90			423	423
206+90 TO 209+40			278	278
50+25 TO 54+40 @ RAMP "A"			1693	1693
50+00 TO 54+45 @ RAMP "A"	1380			1380
62+00 TO 68+50			1683	1683
CONE @ BRIDGE @ RAMP "A"			106	106
CONE @ BRIDGE 160+79			126	126
CONE @ RETAINING WALL 197+70			141	141
CONE @ RETAINING WALL 200+90			156	156
FOR DRAINAGE STRUCTURES			84	84
CONTINGENCY				1000
TOTAL				12,528 SQ.YD.

SUMMARY OF EARTHWORK

* ROADWAY EXCAVATION = 8,691 CU. YD.
EMBANKMENT = 155,263 CU. YD. ①

* There is no direct payment for Roadway Excavation. Any suitable material may be used in the embankment at the option of the Contractor.

GENERAL NOTES:

ITEM NO's. 104-1 THROUGH 104-6 ARE ESTIMATED QUANTITIES FOR PREVENTION, CONTROL, AND ABATEMENT OF SOIL EROSION AND WATER POLLUTION. TO BE USED AT LOCATIONS DESIGNATED BY THE ENGINEER.

NOTE:

1. FOR BRIDGE ITEMS & QUANTITIES, SEE BRIDGE PLANS.
2. FOR RETAINING WALL ITEMS & QUANTITIES, SEE BRIDGE PLANS.
3. FOR HIGHWAY SIGN ITEMS & QUANTITIES, SEE ROADWAY SIGNING PLANS.
4. FOR SIGNALIZATION ITEMS & QUANTITIES, SEE SIGNALIZATION PLANS.
5. FOR LIGHTING ITEMS & QUANTITIES, SEE LIGHTING PLANS.
6. GUARDRAIL STATIONS ARE APPROXIMATE AND ARE TO BE ADJUSTED IN THE FIELD BY THE ENGINEER, IF NECESSARY.
7. FOR SANITARY SEWER ITEMS & QUANTITIES, SEE SANITARY SEWER RELOCATION PLANS.

ITEM NO. 570-2 INCLUDES 12,650 SQ. YD'S. FOR TEMPORARY GRASSING.
ITEM NO. 570-3 INCLUDES 261 LBS. FOR TEMPORARY GRASSING.
ITEM NO. 570-4 INCLUDES 10.5 TONS FOR TEMPORARY GRASSING.
ITEM NO. 570-5 INCLUDES 1.5 TONS FOR TEMPORARY GRASSING.
ITEM NO. 570-9 INCLUDES 137 M GAL. FOR TEMPORARY GRASSING.
ITEM NO. 570-10 INCLUDES 39 LBS. FOR TEMPORARY GRASSING.
ITEM NO. 120-6 ANY BORROW EXCAVATION REQUIRED SHALL BE FURNISHED BY THE CONTRACTOR FROM AREAS PROVIDED BY HIM AND/OR BORROW AREA ONE AS SHOWN ON SHEET NUMBER 66 AND THE COST OF FURNISHING SUCH MATERIAL IS TO BE INCLUDED IN THE PRICE FOR EMBANKMENT.
ITEM NO. 339-70 FOR PAVEMENT UNDER GUARDRAIL.
ITEM NO. 440-1-2 And 524-1-1 included for contingency, to be used, if necessary, as directed by the Engineer.
ITEM NO. 575-1 Includes 1,000 Sq. Yds. for contingency, to be used, if necessary, as directed by the Engineer.

The cost of informational signs is to be included in the overall bid. See sheet no. 65.

ASBUILT SODDING SUMMARY

Location		SQ.YDS.	Location		SQ.YDS.
Sta. 151+00 - 155+36	LT.	1126.0	Sta. 175+90 - 182+35	RT.	1,476.4
" 157+36 - 168+44	LT.	2536.5	" 191+50 - 192+07	RT.	66.5
" 168+68 - 178+29	LT.	880.1	" 192+07 - 192+50	RT.	43.0
" 178+29 - 185+00	LT.	1953.4	" 192+50 - 198+75	RT.	925.6
" 185+00 - 189+68	LT.	446.0	" 200+90 - 203+26	RT.	1007.3
" 189+68 - 190+60	LT.	271.5	" 203+26 - 209+40	RT.	617.5
" 190+60 - 198+63	LT.	2239.1	DRAINAGE STRUCTURES	Inc.	0
" 199+00 - 209+40	LT.	2836.6	RAMP "A"	RT.	1282.5
" 151+00 - 153+02.87	M.	622.6	RAMP "A"	LT.	1492.4
" 160+33.73 - 198+56.63	M.	12503.2	BAY TO BAY RAMP "A" & MEDILL	RT.	34.0
" 200+10.44 - 209+40	M.	3,051.8	BAY TO BAY SANTIAGO BAYSHORE	RT.	191.4
" 160+79.65 - 164+94.65	RT.	1335.9	CONTINENCY		0
" 166+55 - 168+27	RT.	343.1	RAMP "B"	RT.	2381.7
" 168+27 - 173+40	RT.	1117.4			
" 173+40 - 175+90	RT.	455.6			
TOTAL					41,455.3
			USE		41,455

NO.	REVISION	BY	DATE
1	Changed Emb. Quantity	JNC	9-10-74

TAMPA-HILLSBOROUGH COUNTY EXPRESSWAY AUTHORITY

SOUTH CROSSTOWN EXPRESSWAY

SUMMARY OF QUANTITIES

J. E. GREINER COMPANY — WATSON & COMPANY
CONSULTING ENGINEERS — TAMPA, FLORIDA

MADE AJO	DATE APRIL 74	TRACED DJR	DATE APRIL 74
CHECKED JNC	DATE May '74	SCALE	

64
1

Contract No. 3

AS BUILT
APR 21 1976

ORIGINAL SURVEY		BY	DATE
	SURVEYED		
	PLOTTED C.S.D.		9-73
NOTE BOOK	TEMPLATE		
	AREAS		
NO.	AREAS CHECKED		

FINAL SURVEY		BY	DATE
	SURVEYED		
	PLOTTED		
NOTE BOOK	TEMPLATE		
	AREAS		
NO.	AREAS CHECKED		

CUBIC YARDS

-150,000 -140,000 -130,000 -120,000 -110,000 -100,000 -90,000 -80,000 -70,000 -60,000 -50,000 -40,000 -30,000 -20,000 -10,000 0 150

RAMP "A" 130 C.Y. EXCAV.
14,774 C.Y. EMB.

BAY TO BAY BLVD. 1,418 C.Y. EXCAV.
7 C.Y. EMB.

STA. 151+00 BEGIN PROJECT
STATE PROJECT NO. 10002-3503

STATIONS

155 160 165 170 175 180 185 190 195 200 205 210

KEUFFEL & ESSER CO

PLATE 3. CROSS SECTION

MASS DIAGRAM

This diagram is for the contractors information only

SCALE: 1" = 10,000 CY VERTICAL
250 FT. HORIZONTAL

STA. 209+40 END PROJECT.
STATE PROJECT NO. 10002-3503

NO.	REVISION	BY	DATE
1	Changed Emb. Quantity	JNC	9-10-74

SECTION	CONTRACT	SOUTH CROSSTOWN EXPRESSWAY	SHEET NO.
10002	3503	TAMPA-HILLSBOROUGH COUNTY EXPRESSWAY AUTHORITY	10
Hi-Wood			Date 1973

SUMMARY OF EARTHWORK

* ROADWAY EXCAV. =	8,691 C.Y.
EMBANKMENT =	155,263 C.Y.

* Suitable material may be used in embankment at the contractors option

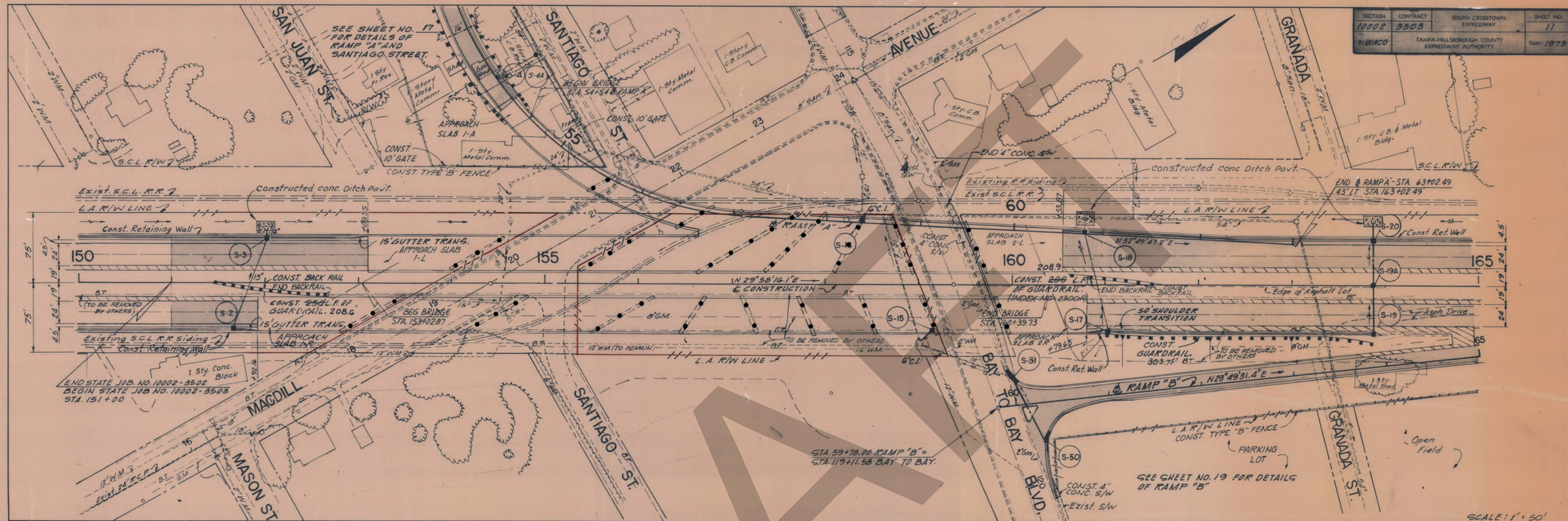
Note: No shrinkage factor is reflected in this Mass Diagram

AS BUILT
APR 21 1976

Contract No. 3

84/1

SECTION	CONTRACT	SOUTH CROSSTOWN EXPRESSWAY	SHEET NO.
10002	3503		11
By WACO		TAMPA-HILLSBOROUGH COUNTY EXPRESSWAY AUTHORITY	Date: 1973





B.M. No. J 40-A-1
East End of the N.W. Conc. Island of 66 Sta. Gas Pumps on the S.W. Cor. of Intersection BAY TO BAY And MACDILL.
EL. 18.28

GENERAL NOTES

1. Grades shown are finished grades.
2. B.M. Datum U.S.C.&G.S.
3. Except for City of Tampa Water and Sewer Lines, all Utilities are to be adjusted by others as directed by the Engineer.
4. The location of the proposed utilities shown in the plans are approximate only; the exact locations shall be determined by the engineer during construction.
5. For utility adjustment symbols, see index No. 195.
6. All Storm Sewers to remain in place unless indicated other wise.
7. All buildings to be removed by others.

UTILITY OWNERS

1. Tampa Electric Co.
2. Peoples Gas System
3. General Telephone Co.
4. City of Tampa Water Dept.
5. City of Tampa Sanitary Sewer Dept.
6. Western Union

AS BUILT

Contract No. 3.

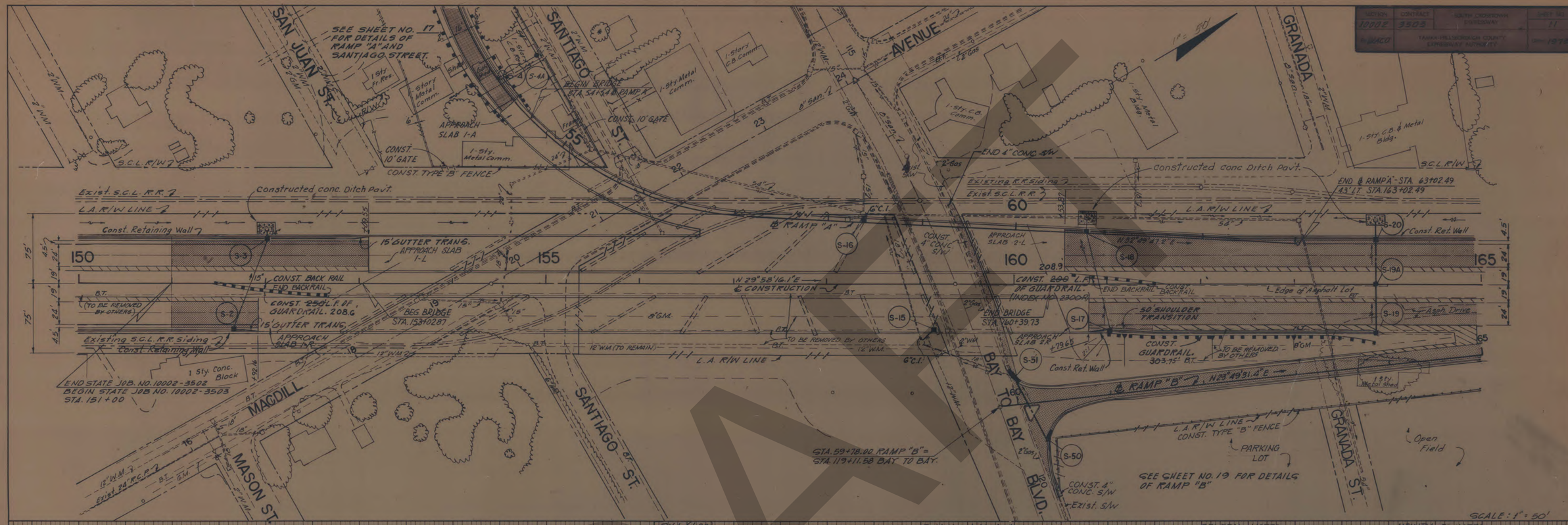
84
1

FINAL SURVEY		BY	DATE
NOTE BOOK	SURVEYED		12-5-72
	PLOTTED CSD		
	TEMPLATE		
	AREAS		
NO.	AREAS CHECKED		

ORIGINAL SURVEY		BY	DATE
NOTE BOOK	SURVEYED		12-5-72
	PLOTTED CSD		
	TEMPLATE		
	AREAS		
NO.	AREAS CHECKED		

DRAFT

SECTION	CONTRACT	SOUTH CROSSTOWN EXPRESSWAY	SHEET NO.
10002	3503		11
DACO	TAMPA-HILLSBOROUGH COUNTY EXPRESSWAY AUTHORITY		1972



B.M. NO. J 40-A-1
East End of the N.W. Conc. Island of 66 Sta. Gas Pumps on the S.W. Cor. of Intersection BAY TO BAY And MACDILL.
EL. 18.28

GENERAL NOTES

1. Grades shown are finished grades.
2. B.M. Datum U.S.C.&G.S.
3. Except for City of Tampa Water and Sewer Lines, all utilities are to be adjusted by others as directed by the Engineer.
4. The location of the proposed utilities shown in the plans are approximate only; the exact locations shall be determined by the engineer during construction.
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2. Peoples Gas System
3. General Telephone Co.
4. City of Tampa Water Dept.
5. City of Tampa Sanitary Sewer Dept.
6. Western Union

AS BUILT
APR 21 1976

Contract No. 3.

84
1

FINAL SURVEY	NOTE BOOK	NO.	SURVEYED	PLOTTED	TEMPLATE	AREAS	AREAS CHECKED	BY	DATE
			C.S.D.						12-5-72

ORIGINAL SURVEY	NOTE BOOK	NO.	SURVEYED	PLOTTED	TEMPLATE	AREAS	AREAS CHECKED	BY	DATE
			C.S.D.						12-5-72

DRAFT

SECTION	CONTRACT	SOUTH CROSSTOWN EXPRESSWAY	SHEET NO.
10002	9503		12
By WACO		TAMPA-HILLSBOROUGH COUNTY EXPRESSWAY AUTHORITY	Date 1973

BARCELONA ST. — PALMIRA ST. — SAN JOSE ST. — SAN CARLOS ST. — MARTI AVE.

1-story Frame Res. — 1-story Conc. Block Residence — 1-story Conc. Block Res. — Frame shelter — 1-story Frame Res.

13 KV (To Be Removed By Others) — 2-60" Exist R.C.P. — 8" G.M. — 6" W.M.

66" R.C.P. Casing (To Remain In Place). — 66" R.C.P. Casing (To Remain In Place). — 66" Exist R.C.P.

Exist. S.C.L. R.R. — S.C.L. R/W — 10" San. (To Be Removed By Others). 151.85' — CONST. 625' GUARDRAIL — Existing Ditch — Exist Jct Box — 8" G.M. (To Be Moved By Others). — 18" steel Casing, Around 6" W.M. (To Remain.) — Exist S.C.L. R.R.

L.A. R/W LINE — Existing Ditch to Remain. — Existing Ditch To Remain — L.A. R/W LINE

CONST. 10' GATE — CONST. TYPE "B" FENCE — CONST. 8'x4' BOX CULVERT SEE DETAIL SHEET NO. 27

END RETAINING WALL Sta. 167+00 — SHOULDER GUTTER — SHOULDER LINE — INLET MODIFIED WITH FLUSH TYPE TOP

165 — 170 — 175 — 180

N 29° 58' 16.1" E — ℄ Construction

P.I. Sta. 66+12.29 RAMP "B" CURVE NO. 41 — ℄ RAMP "B" — 50:1 TAPER — CONST. 305.75' 625 DT. GUARDRAIL.

END RAMP "B" Sta. 75+83.86 L.A. R/W Sta. 175+83.86 — BT (100 PVI) (To Be Moved By Others).

2 BT — 2' G.M. SHOULDER GUTTER — CONST. 10' GATE — CONSTRUCT DITCH CONST. TYPE "B" FENCE. — BT (300 PVI) & 8' G.M. (To Be Moved By Others) — SHOULDER LINE BT (300 PVI) — L.A. R/W LINE

Parking Area. — Parking Area. — 2-Story C.B. Apt. House — 2-Story C.B. Apt's. — 2-60" Exist R.C.P. — Exist 6'x4' Conc. Box — 200' SHOULDER TRANSITION STA. 173+83.86 TO STA. 175+83.86 — SHOULDER GUTTER — CONST. TYPE "B" FENCE — Frame Garage — 1-story Frame Res. — Existing 20' Drainage Easement

CURVE NO. 41
P.I. Sta. 66+12.29
Δ = 5°00'00"
D = 3°30'00"
R = 1637.02'
T = 71.47'
L = 142.86'
P.C. Sta. 65+40.82
P.T. Sta. 66+83.68
e = 0.063'/'

SCALE: 1" = 50'

B.M. NO. 50-A
100' RT. STA. 166+59
IRON PIN S.W. COR. OF BAYSHORE PRESB. APTS.
EL. 17.19

B.M. NO. 49-A
104' RT. STA. 168+04
SQ. CUT IN N.W. COR. OF LIGHT BASE IN PRESB. APTS. PARKING LOT
EL. 16.12

B.M. NO. 48-A
101' RT. STA. 173+20
SQ. CUT IN S.W. COR. OF SIDEWALK IN FRONT OF BAY MANOR APTS. ON RUBIDEAUX AVE.
EL. 12.27

T.B.M. NO. 49-A
112' LT. STA. 173+32
SQ. CUT IN C.B. N. SIDE 2903 SAN. JOSE ST.
EL. 11.74

40 35 30 25 20 15 10 5

500' V.C. — P.V.C. (+29.62) EL. 22.11 — P.V.I. (+17.82) EL. 16.61 — P.V.T. (+29.62) EL. 16.96

25.00 — 23.51 — 22.16 — 20.36 — 19.51 — 19.23 — 18.30 — 17.72 — 17.31 — 17.25 — 16.95 — 18.32

Exist. Ground @ ℄ Const. — -3.0000% — -1.50% — +0.1399 % — PROFILE GRADE — +0.1399 % — -0.10% — -0.10% — -1.00% — +0.80% — +2.18% — +0.10% — +0.30% — +0.63%

D.P.I. (+30) RT. EL. 15.70 — D.P.I. (+00) RT. EL. 13.90 — M.D.P.I. (+00) EL. 15.03 — SPECIAL MEDIAN DITCH — D.P.I. (+00) RT. EL. 13.50 — D.P.I. (+50) RT. EL. 12.00 — M.D.P.I. (+20) MED. EL. 14.60 — ℄ SPEC. MED DITCH — M.D.P.I. (+50) MED. EL. 15.77 — D.P.I. (+00) RT. EL. 12.10 — D.P.I. (+00) RT. EL. 12.20 — D.P.I. (+00) RT. EL. 12.80 — D.P.I. (+00) RT. EL. 13.43 — D.P.I. (+00) RT. EL. 10.00

66" R.C.P. Casing (To Remain.) — 66" R.C.P. Casing (To Remain). — CONST. 2' B.W. SPECIAL DITCH (RT.) — 2-60" — 8'x4' B.C. — 500 RT. DITCH — 14" Steel Casing (To Remain). — CONST. 2' B.W. SPECIAL DITCH (RT.)

CONSTRUCT STANDARD MEDIAN DITCH — SOD MED. DITCH — CONSTRUCT SPECIAL MEDIAN DITCH — CONSTRUCT STANDARD MEDIAN DITCH

165 6 7 8 9 170 1 2 3 4 175 6 7 8 9 180

AS BUILT
APR 21 1976

DRAFT

Contract No. 3.

84/1

KAE CO. ORLANDO, FLA. ORDER STOCK 20249

SECTION	CONTRACT	SOUTH CROSSTOWN EXPRESSWAY	SHEET NO.
10002	3503		13
By WACO	TAMPA-HILLSBOROUGH COUNTY EXPRESSWAY AUTHORITY		Date: 1973

NO.	REVISION	BY	DATE
1	Rev. Ret. Wall & Carolina Ave.	W.A.	9-10-74



DRAFT

AS BUILT
APR 21 1976

Contract No. 3.

84/1

K&E CO. ORLANDO, FLA. ORDER STOCK 2024R

SECTION	CONTRACT	SOUTH CROSSTOWN EXPRESSWAY	SHEET NO.
10002	3503		14
by: JNACO		TAMPA-HILLSBOROUGH COUNTY EXPRESSWAY AUTHORITY	Date: 1973

NO.	REVISION	BY	DATE
1	Rev. Ret. Wall & Caroline Ave.	W.A.	9-10-74

MISSISSIPPI AVENUE 12'WM

Terena Terrace II Apartments

Parking

Pool

2-story Metal Building

Constructed Conc. Ditch Pav't.

Exist. Ditch

24" Casing (To Remain)

S.C.L. R/W

Exist. S.C.L. RR

LA. R/W LINE

APPROACH SLAB 1'-L

CONST. RETAINING WALL

15' GUTTER TRANS.

BEGIN BRIDGE STA. 198+56.63

END BRIDGE STA. 200+10.46

12" W.M. (To Remain)

195

200

205

210

S-37

S-36

S-39

S-38

S-43

S-42

S-41

S-45

S-44

208.75

CONST. 208 L.F. OF GUARDRAIL

BACKRAIL

END BACKRAIL

APPROACH SLAB 2-L

APPROACH SLAB 2-R

To Be Removed By Others

2 DT 17 GUTTER & 1'WIDE CURB

CONST. RET. WALL

BT (300 PR)

APPROACH SLAB 1'-R

N 41° 51' 48" E

198 ± CO.

END RET. WALL CONST. 10' GATE

CONST. 862.50' OF GUARDRAIL

1-story SHLD TRANS. Fr. Res.

N 38° 10' 54" E

STA. 199+33.55 ℄ MISSISSIPPI AVE.

CONNECT TO EXIST. PAV'T.

PI STA. 98+90.00 ℄ CAROLINA Δ = 3° 16' 54" LT.

2-story Metal Bldgs.

2-story Tin Bldgs.

10' GATE

+90 END RETAINING WALL

+25 BEGIN RETAINING WALL

CONST. 223' OF GUARDRAIL B 24.85

P.O.T. STA. 100+00 ℄ CAROLINA

P.O.T. STA. 11+37.07 ℄ MISSISSIPPI AVE.

ADDITIONAL FENCE & GATE CONSTRUCTED HERE TO ALLOW BETTER ACCESS FOR MOWING & MAINTENANCE

Existing Ditch To Remain.

Constructed Conc. Ditch Pav't.

CONST. RETAINING WALL

CONST. 200' OF GUARDRAIL 208.15'

N 38° 42' 27" E

℄ CONST.

CONST. SHLD. GUTTER

+38 ± END RETAINING WALL

+80 BEGIN RETAINING WALL

+30 END RETAINING WALL

2-story Fr. Res.

1-story Fr. Res.

SOUTHVIEW AVE.

MOODY AVE.

Constructed 10' GATE

2"WM

8" San.

1-story C.B. Gar.

1-story Brick Res.

1-story Frame Res.

1-story Frame Gar.

1-story Frame Apts.

43' Bent Highway

END STATE JOB NO. 10002-3503

BEGIN STATE JOB NO. 10002-3504

STA. 209+40

NOTE, 10' GATE CONSTRUCTED HERE, DELETED ON CONTRACT 3504 & ADDED TO CONTRACT 3503

SCALE: 1" = 50'

B.M. NO. 44-A
12ϕ AT STA. 195+96
EX. STAKE IN BASE OF 24" OAK ON CAROLINA 100' SO. OF CHICAGO
EL. 18.55

B.M. NO. 43-A
SQ. CUT IN L. CURB S.E. COR. OF MISSISSIPPI AVE. AND CAROLINA AVE.
EL. 19.62

B.M. NO. 42-A
10" RT. STA. 206+59
SQ. CUT IN W. END S.W. ON SOUTH VIEW AVE.
EL. 21.35

END STATE JOB NO. 10002-3503
BEGIN STATE JOB NO. 10002-3504
STA. 209+40

45 40 35 30 25 20 15

+3.000% +0.317% -3.000% +3.000%

PVC (400) EL. 34.20

PT (400) EL. 32.20

PVI (400) EL. 43.20

600' V.C.

500' V.C.

PROFILE GRADE

Existing Ground ℄ ℄ Const.

P.G. ℄ CAROLINA

CONNECT TO EXIST. PAV'T.

SPECIAL GUTTER PROFILE LT. & RT.

CONTRACTOR WILL BE RESPONSIBLE FOR CONSTRUCTION OF EMBANKMENT TO THIS LINE AND COORDINATION OF PLACEMENT WITH ADJACENT CONTRACTOR.

P.I. +96.67 EL. 25.84

P.I. +66.67 EL. 25.85

P.I. +36.67 EL. 25.74

600 MED. DITCH

CONST. STD. MED. DITCH 1.5' BELOW SHOULDER

CONST. MED. DITCH 0.67' BELOW SHOULDER

10' MED. DITCH TRANSITION

500 MED. DITCH

CONST. STANDARD MED. DITCH (1.5' BELOW SHOULDER)

95 100 195 200 205 210

AS BUILT

APR. 21 1976

K&E CO. ORLANDO, FLA.

Contract No. 3.

SECTION	CONTRACT	SOUTH CROSSTOWN EXPRESSWAY	SHEET NO.
10002	3503		15
By: WACO		TAMPA-HILLSBOROUGH COUNTY EXPRESSWAY AUTHORITY	Date: 1973

CONSTRUCTED EXTRA 4" CONC. SIDEWALK

STA 109+75.63 BAY TO BAY
STA 48+33.81 RAMP A

Conc. Parking Area

BEGIN CONSTRUCTION STA. 109+00

CONST. S/W

CONNECT TO EXISTING PAVEMENT

CONST. S/W

NOTE, ALL WORK CONSTRUCTED FROM STA 109+00 TO 109+30 SHOWN ABOVE WAS DONE ON CONTRACT 8A+8B & PAID FOR ON CONTRACT 8A+8B. THEREFOR DELETING WORK ON THIS CONTRACT.

STA. 0+44
CONNECT TO EXIST. PAV'T.

(Asph Pav't.)
5' CURB TRANS.
E. ESPERANZA AVE.

1-Story Fr. Comm.
1-Story Masonary Comm.
1-Story Mas. Comm.
1-Story Frm. Comm.
1-Story Frm. Res.
1-Story Masonary Comm.

Paved Parking Lot
Grass
curb

CONST. 4" CONC. S/W

CONST. 4" CURB, 1.5' GUTTER

Exist S/W

109 110 111 112 113 114 115

BAY TO BAY BLVD

N 22° 35' 08" W

CONST. 4" CONC. S/W PAV'T.

Exist. Curb

12" W.M.
8" San.
B.T. (26) Pr.

CONST. 4" CONC. S/W

Gas Pumps

1-Story Mas. Comm. (Gas Station)

1-Story Masonary Comm.

1-Story Fr. Res.

1-Story Fr. Res.

2-Story Fr. Res.

1-Story Mas. Comm.

END CONSTRUCTION
MATCH EXISTING GRADE
STA. 114+70.97
CONNECT TO EXISTING PAVEMENT

Exist. S/W

MAC DILL AVE.

SCALE: 1" = 20'

B.M. NO. J 40 A1
CAST END OF PIPE N.W.
CONC. ISLAND OF GAS STA.
GAS PUMPS ON THE S.W. SIDE
OF INNER BAY TO BAY & MACDILL
EL. 18.28

WARP GRADE

+0.3500%

FW.I. (1.30) EL. 18.95

18.36

BEGIN CONSTRUCTION TO MATCH EXISTING GRADE STA. 109+00

& PROFILE GRADE

EXISTING & GRADE

-0.3000%

12" W.M.

8" San.

8" E. Ist San.

12" Exist. W.M.

8" Exist San.

END CONSTRUCTION MATCH EXISTING GRADE STA. 114+70.97 EL. 17.96

15"

18"

10.5

10.75

11.05

18.8

18.36

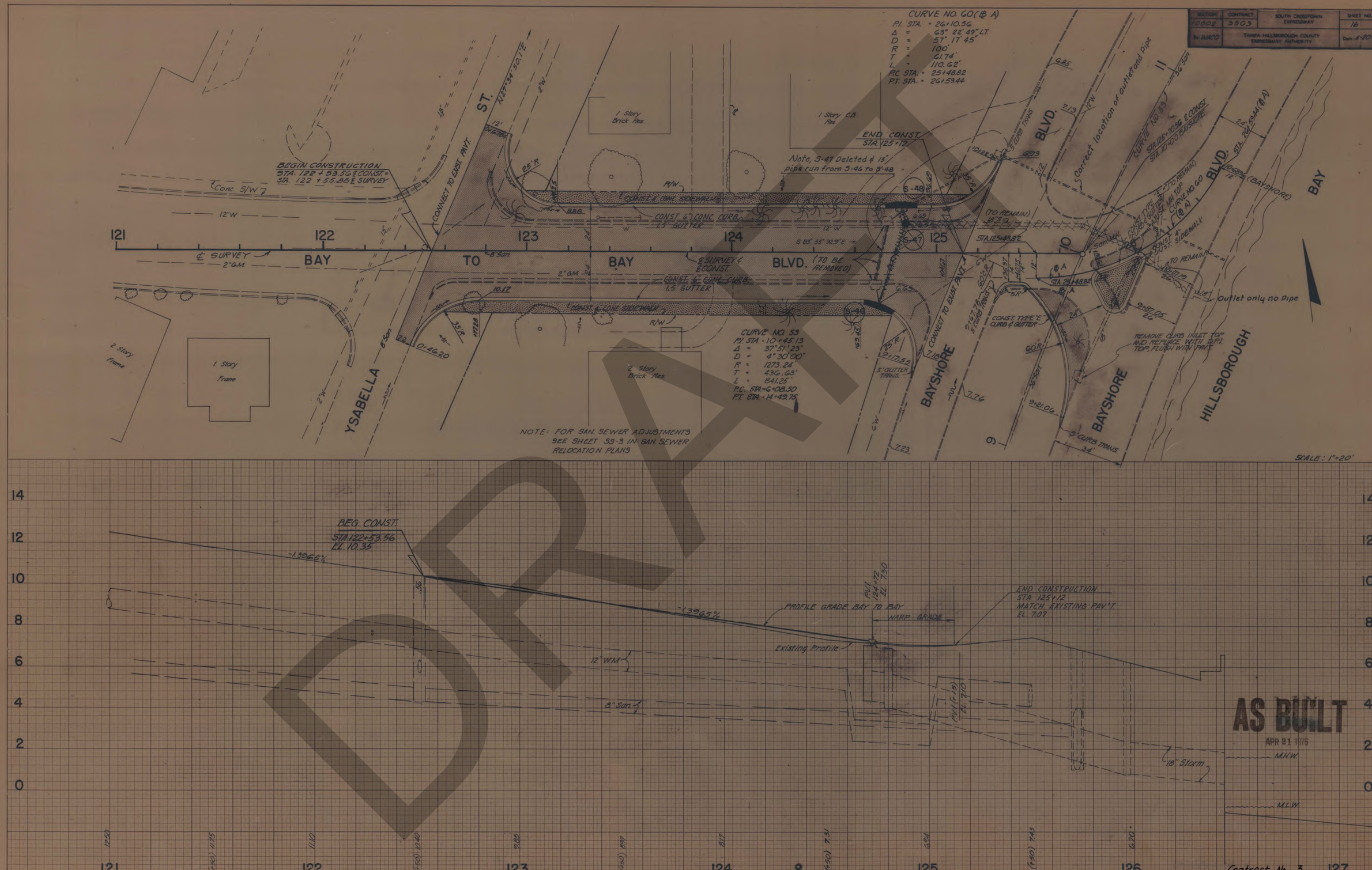
48"

18.57

AS BUILT
APR 21 1975

84/1

Contract No. 3.


SECTION 10002
CONTRACT 3503
SOUTH CROSSTOWN EXPRESSWAY
SHEET NO. 16
By: WACO
TAMPA-HILLSBOROUGH COUNTY EXPRESSWAY AUTHORITY
Date: 4-20-73
CURVE NO. 60 (℄ A)
P.I. STA. = 26+10.56
Δ = 63° 22' 49" LT.
D = 57° 17' 45"
R = 100'
T = 61.74'
L = 110.62'
P.C. STA. = 25+48.82
P.T. STA. = 26+59.44
BEGIN CONSTRUCTION
STA. 122 + 53.56 ℄ CONST. =
STA. 122 + 55.88 ℄ SURVEY
END CONST.
STA. 125+12
Note, S-47 Deleted & 15" pipe run from S-46 to S-48
CURVE NO. 53
P.I. STA. = 10+45.13
Δ = 37° 51' 23"
D = 4° 30' 00"
R = 1273.24'
T = 436.63'
L = 841.25'
P.C. STA. = 6+08.50
P.T. STA. = 14+49.75
NOTE: FOR SAN. SEWER ADJUSTMENTS SEE SHEET SS-3 IN SAN. SEWER RELOCATION PLANS
SCALE: 1"=20'
BEG. CONST.
STA. 122+53.56
EL. 10.35
-1.3965%
PROFILE GRADE BAY TO BAY
WARP GRADE
END CONSTRUCTION
STA. 125+12
MATCH EXISTING PAV'T.
EL. 7.07
Existing Profile
12" WM
8" San.
18" Storm
M.H.W.
M.L.W.
AS BUILT
APR 21 1976
DRAFT
Contract No. 3.
84/1

SECTION	CONTRACT	SOUTH CROSSTOWN EXPRESSWAY	SHEET NO.
10002	3803		17
By: WACO	TAMPA-HILLSBOROUGH COUNTY EXPRESSWAY AUTHORITY		Date: 1973



NOTE: FOR SAN. SEWER ADJUSTMENTS SEE SHEET SS-4 IN SAN. SEWER RELOCATION PLANS

AS BUILT
APR 21 1976

NO.	REVISION	BY	DATE

TAMPA-HILLSBOROUGH COUNTY EXPRESSWAY AUTHORITY

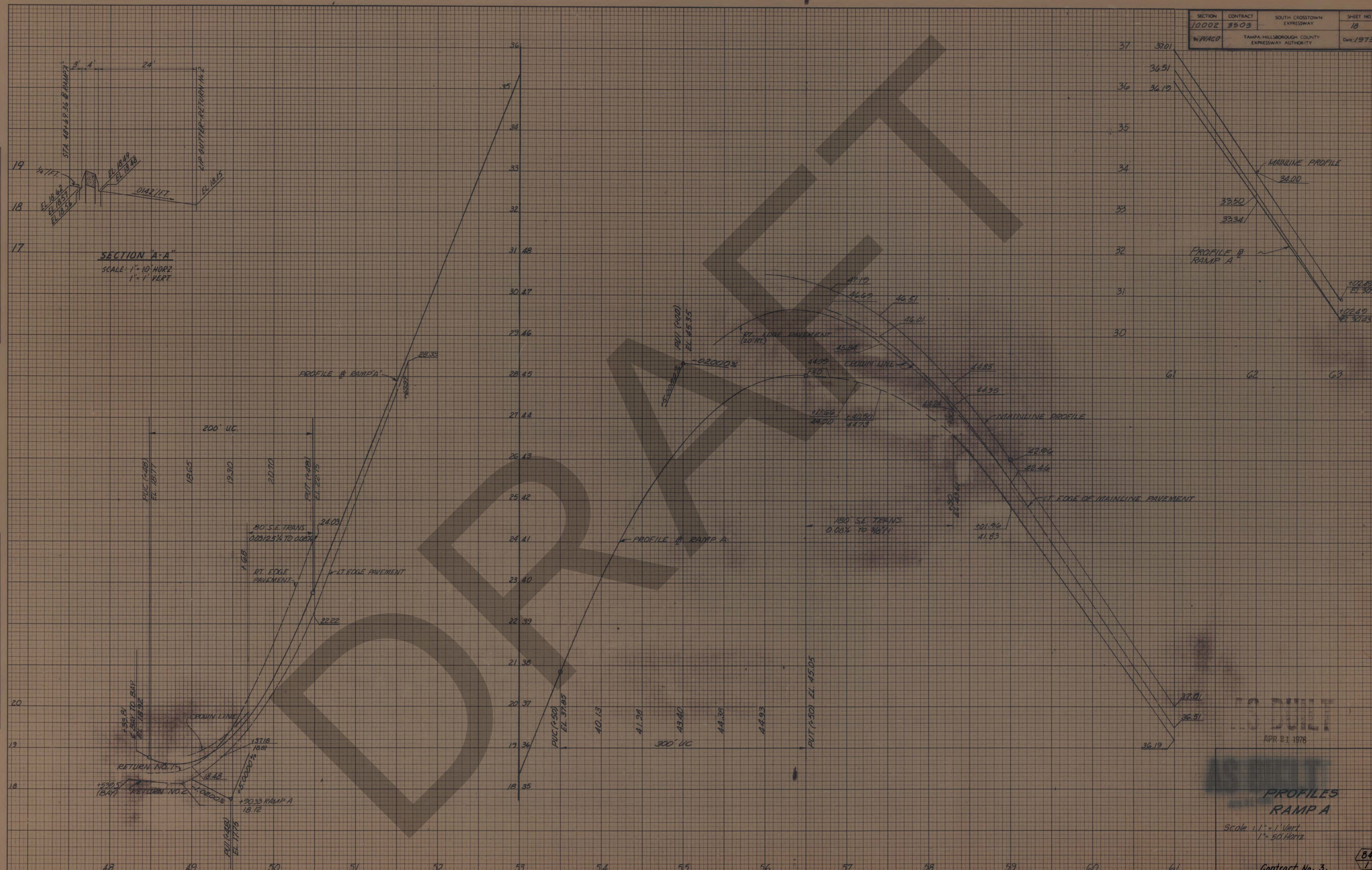
SOUTH CROSSTOWN EXPRESSWAY

RAMP "A" & SANTIAGO ST. DETAILS

J. E. GREINER COMPANY — WATSON & COMPANY
CONSULTING ENGINEERS TAMPA, FLORIDA

MADE DAM	DATE 10-73	TRACED SL	DATE 10-73
CHECKED U.N.C.	DATE 10-73	SCALE 1" = 20'	84 / 1

Contract No. 3.

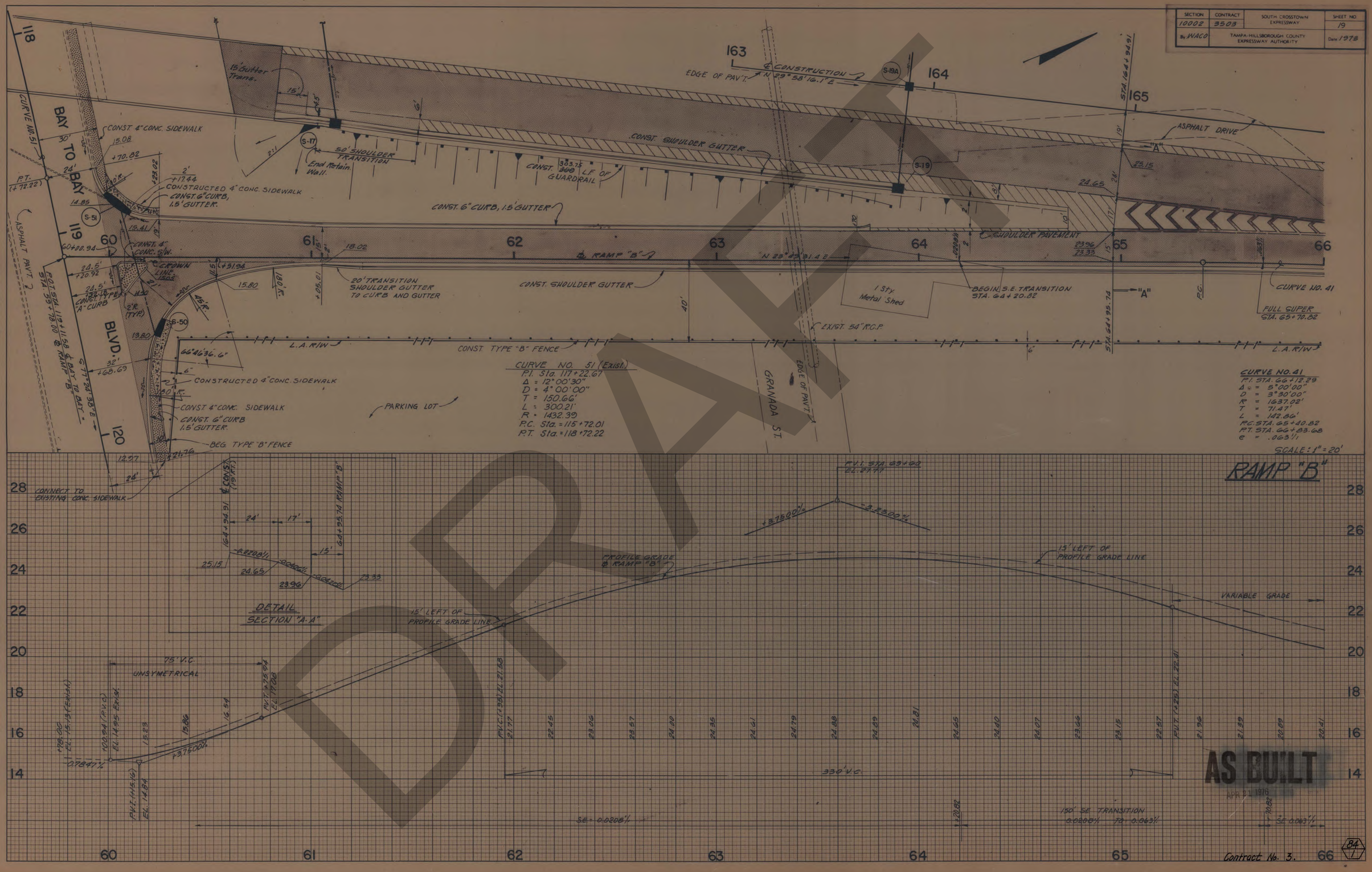


SECTION 10002
CONTRACT 3503
SOUTH CROSSTOWN EXPRESSWAY
SHEET NO. 18
By WACO
TAMPA-HILLSBOROUGH COUNTY EXPRESSWAY AUTHORITY
Date 1973
SECTION "A-A"
SCALE: 1" = 10' HORZ.
1" = 1' VERT.
STA. 48+69.36 ℄ RAMP "A"
LIP GUTTER-RETURN No. 2
PROFILE ℄ RAMP "A"
200' U.C.
80' S.E. TRANS.
RT. EDGE PAVEMENT
LT. EDGE PAVEMENT
CROWN LINE
RETURN NO. 1
RETURN NO. 2
PROFILE ℄ RAMP A
180' S.E. TRANS.
0.08% TO 3/8"/1'
300' U.C.
MAINLINE PROFILE
PROFILE ℄ RAMP A
LT. EDGE OF MAINLINE PAVEMENT
RT. EDGE PAVEMENT (20' RT.)
PROFILES RAMP A
Scale: 1" = 1' Vert.
1" = 50' Horiz.
Contract No. 3.
84
1
APR 21 1976

SECTION	CONTRACT	SOUTH CROSSTOWN EXPRESSWAY	SHEET NO.
10002	3503		19
By WACO	TAMPA-HILLSBOROUGH COUNTY EXPRESSWAY AUTHORITY		Date 1978

FINAL SURVEY	BY	DATE
NOTE BOOK	SURVEYED	
NO.	PLOTTED	
	TYPE SIZE	
	AREAS	
	AREAS CHECKED	

ORIGINAL SURVEY	BY	DATE
NOTE BOOK	SURVEYED	
NO.	PLOTTED	
	TYPE SIZE	
	AREAS	
	AREAS CHECKED	



CURVE NO. 51 (Exist.)
P.I. Sta. 117+22.67
Δ = 12° 00' 30"
D = 4° 00' 00"
T = 150.66'
L = 300.21'
R = 1432.39
P.C. Sta. = 115+72.01
P.T. Sta. = 118+72.22

CURVE NO. 41
P.I. STA. 66+12.29
Δ = 5° 00' 00"
D = 3° 30' 00"
R = 1637.02'
T = 71.47'
L = 142.86'
P.C. STA. 65+40.82
P.T. STA. 66+83.68
e = .063'/'

SCALE: 1" = 20'

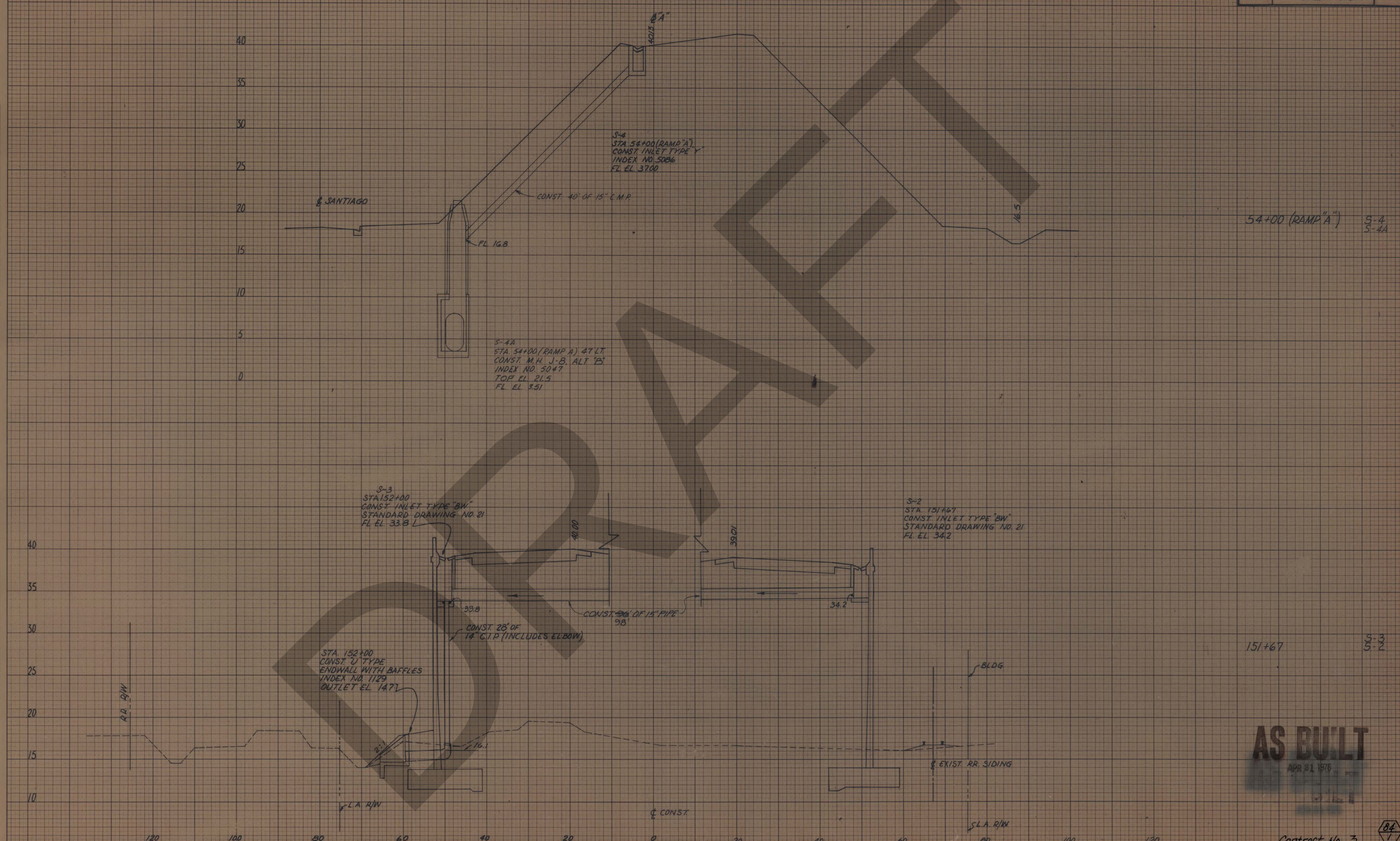
RAMP "B"

DRAFT
AS BUILT
APR 21 1976

Contract No. 3.

SCALE: 1" = 5' VERT.
" 1" = 10' HORIZ.

SECTION	CONTRACT	SOUTH CROSSTOWN EXPRESSWAY	SHEET NO.
10002	3503		20
By WACO		TAMPA-HILLSBOROUGH COUNTY EXPRESSWAY AUTHORITY	Date 1973



AS BUILT
APR 21 1976

Contract No. 3.

84
1

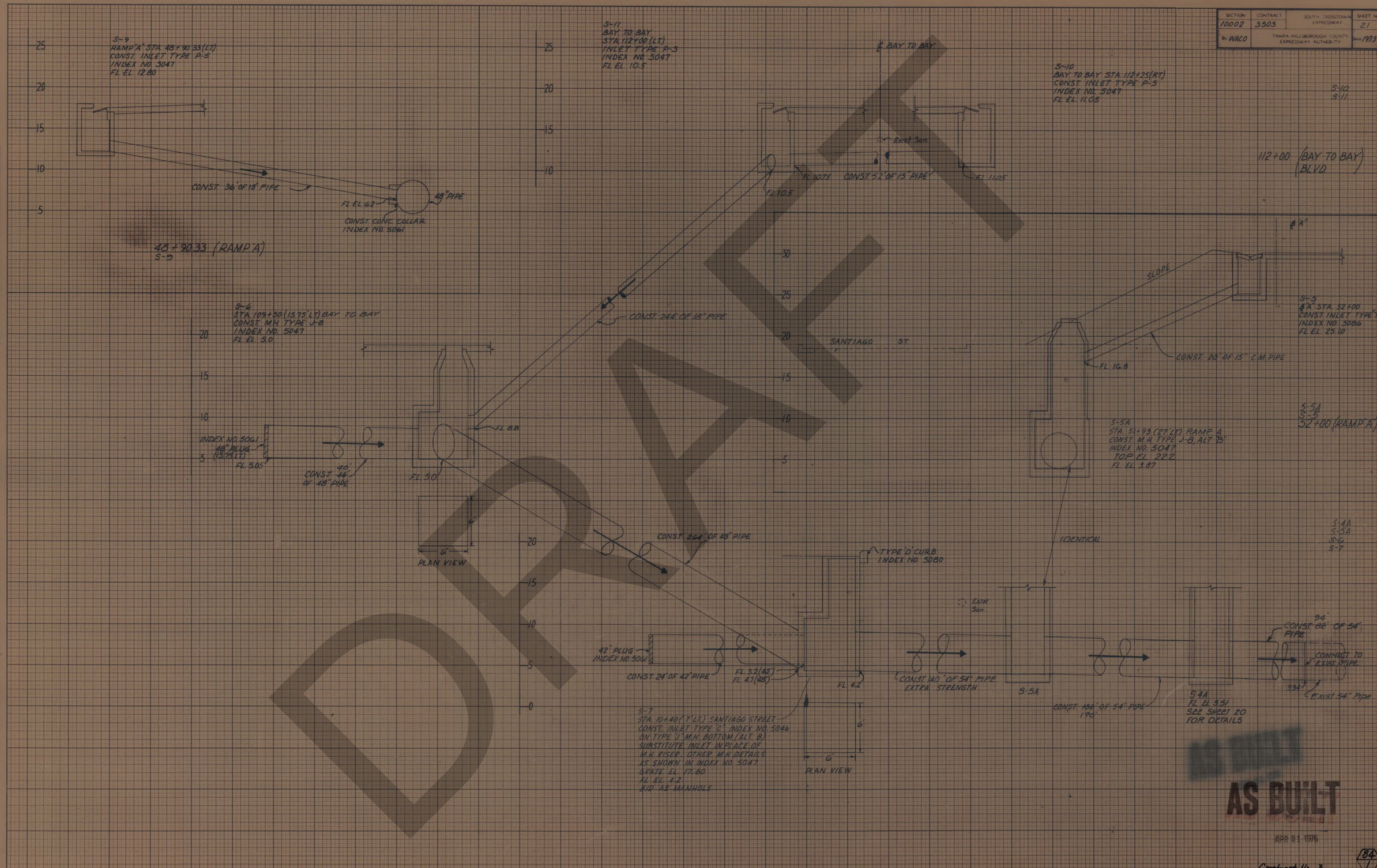
K+E PLATE 3. CROSS SECTION
KEUFFEL & ESSER CO.

FINAL SURVEY — NOTE BOOK NO. — SURVEYED — PLOTTED — TEMPLATE — AREAS — AREAS CHECKED — BY — DATE

ORIGINAL SURVEY — NOTE BOOK NO. — SURVEYED — PLOTTED — TEMPLATE — AREAS — AREAS CHECKED — BY — DATE

SCALE: 1"=5'

SECTION	CONTRACT	SOUTH CROSSTOWN EXPRESSWAY	SHEET NO
10002	3503		21
By WACO		TAMPA-HILLSBOROUGH COUNTY EXPRESSWAY AUTHORITY	Date 1973



FINAL SURVEY: SURVEYED, PLOTTED, TEMPLATE, AREAS, AREAS CHECKED, NOTE BOOK, NO., BY, DATE

ORIGINAL SURVEY: SURVEYED, PLOTTED, TEMPLATE, AREAS, AREAS CHECKED, NOTE BOOK, NO., BY, DATE

DRAFT

AS BUILT

APR 21 1976

Contract No. 3.

84/1

K+E PLATE 3, CROSS SECTION KEUFFEL & ESSER CO.

SCALE - 1" = 5' Vert
1" = 10' Horiz.

SECTION	CONTRACT	SOUTH CROSSTOWN EXPRESSWAY	SHEET NO
10002	3503		22
By WACO	TAMPA-HILLSBOROUGH COUNTY EXPRESSWAY AUTHORITY		Date 1973

FINAL SURVEY — SURVEYED, PLOTTED, TEMPLATE, AREAS, AREAS CHECKED — BY, DATE, NOTE BOOK, NO.

ORIGINAL SURVEY — SURVEYED, PLOTTED, TEMPLATE, AREAS, AREAS CHECKED — BY, DATE, NOTE BOOK, NO.

℄ "A"

STA. 167+75
CONST. U TYPE
ENDWALL WITH GRATING
INDEX NO. 1129
OUTLET EL. 9.5

S-21
STA. 167+75
CONST. INLET TYPE "Y"
INDEX NO. 5086
FL. EL. 13.7

CONST. 6' OF 15" PIPE

S-22
STA. 168+75
CONST. INLET TYPE "Y"
INDEX NO. 5086
FL. EL. 14.0

L.A. R/W

STA. 168+75
CONST. U TYPE
ENDWALL WITH GRATING
INDEX NO. 1129
OUTLET EL. 13.9

FL. 14.0
CONST. 7'-0" 15" PIPE

S-21-A
STA. 167+00
CONST. INLET TYPE Y
INDEX NO. 5086
FL. EL. 15.7

CONST. 4' OF 15" PIPE

STA. 167+00
CONST. U TYPE
ENDWALL WITH GRATING
INDEX NO. 1129
FL. EL. 15.5

S-27
S-27
S-21A

S-20
STA. 163+89
CONST. INLET TYPE "BW"
STANDARD DRAWING NO. 21
FL. EL. 23.4

S-19
STA. 163+89
CONST. INLET TYPE "Y"
INDEX NO. 5086
FL. EL. 23.8

STA. 163+89
CONST. "U" TYPE ENDWALL
WITH BAFFLES
INDEX NO. 1129
OUTLET EL. 13.8

CONST. 48' OF 18" PIPE

CONST. 20' OF 14" C.I.P.
(INCLUDES ELBOW)

CONST. 48' OF 15" PIPE

S-19A
STA. 163+89
CONST. INLET TYPE "Z"
INDEX NO. 5049
GRATE EL. 26.31
FL. EL. 23.4

S-20
S-19

S-18
STA. 60+77 (RAMP "A")
CONST. INLET TYPE "BW"
STANDARD DRAWING NO. 21
FL. EL. 32.2

S-17
STA. 161+08
CONST. INLET TYPE "Y"
INDEX NO. 5086
FL. EL. 32.6

STA. 60+77
CONST. "U" TYPE
ENDWALL WITH BAFFLES
INDEX NO. 1129
OUTLET EL. 14.5

CONST. 22' OF
14" C.I.P.
(INCLUDES ELBOW)

CONST. 104' OF 15" PIPE
(OB)

FROM S-16 SEE BRIDGE PLANS FOR DETAILS

CONST. 8' OF 6" C.I. PIPE

FL EL 13.50

FL EL 13.86

EXIST. J-8 MANHOLE
FL 2.2
TOP EL 15.9
(S-31 CONTRACT 10002-3510)

FROM S-15 SEE BRIDGE PLANS FOR DETAILS
FL 15.07

FL 14.0

CONST. 16' OF 6" C.I. PIPE

FOOTING

EXIST. J-8 MANHOLE
FL 9.0
TOP EL 16.4
(S-32 CONTRACT 10002-3510)

S-15
S-16

S-18
S-17

AS BUILT
APR 2 1, 1976

Contract No. 3.

34

K&E PLATE 3. CROSS SECTION
KEUFFEL & ESSER CO.

Scale: 1" = 6' Vert.
1" = 10' Horiz.

SECTION	CONTRACT	SOUTH CROSSTOWN EXPRESSWAY	SHEET NO.
10002	3503		23
By WACO		TAMPA-HILLSBOROUGH COUNTY EXPRESSWAY AUTHORITY	Date 1973



FINAL SURVEY — NOTE BOOK NO. — SURVEYED — PLOTTED — TEMPLATE — AREAS — AREAS CHECKED — BY — DATE

ORIGINAL SURVEY — NOTE BOOK NO. — SURVEYED — PLOTTED — TEMPLATE — AREAS — AREAS CHECKED — BY — DATE

DRAFT

AS BUILT
APR 21 1976

Contract No. 3.

84/1

K+E PLATE 3, CROSS SECTION KEUFFEL & ESSER CO.

SCALE 1"=5' VERT.
1"=10' HORIZ.

SECTION	CONTRACT	SOUTH CROSSTOWN EXPRESSWAY	SHEET NO.
10002	3503		24
By: WACO	TAMPA-HILLSBOROUGH COUNTY EXPRESSWAY AUTHORITY		Date 1973

FINAL SURVEY — SURVEYED — PLOTTED — TRANSIT — NOTE BOOK — AREAS — AREAS CHECKED — NO. — BY — DATE

ORIGINAL SURVEY — SURVEYED — PLOTTED — TRANSIT — NOTE BOOK — AREAS — AREAS CHECKED — NO. — BY — DATE

℄ CONST.

S-35
STA. 193+50
CONST. INLET TYPE "BW"
SEE ST'D DRAWING NO. 21
F.L. EL. 23.8

28.70 28.73 28.70

℄ "A"

CONST. 96' OF 15" PIPE
98'

S-34
STA. 193+50
CONST. INLET TYPE "Y"
INDEX NO. 5086
F.L. EL. 24.2

18.30

CONST. 19' OF 14" C.I.P.
(INCLUDES ELBOW)

2:1

STA. 193+50
CONST. "U" TYPE ENDWALL
WITH BAFFLES
INDEX NO. 1129
F.L. EL. 17.0

193+50 S-35 S-34

19.34 16.18 19.90 20.82 21.76 21.76 22.85 22.34 18.46 R/W

4:1

CONST. 30' OF
18" PIPE

CONST 8' OF
18" PIPE

STA. 190+20
CONST. "U" TYPE
ENDWALL WITH GRATE
INDEX NO 1129
F.L. EL. 16.2

S-33
STA. 190+20
CONST. INLET TYPE "Y"
INDEX NO. 5086
F.L. EL. 16.3

S-32
STA. 191+00
CONST. INLET TYPE "Z"
INDEX NO. 5049
GRATE EL. 19.74
F.L. EL. 17.4

CONST. 69' OF 15" PIPE
70'

S-31
STA. 191+50
CONST. INLET TYPE "Y"
INDEX NO. 5086
F.L. EL. 18.20

191+50 S-33 S-32 S-31
191+00
190+22.67

℄ "A"

19.55 18.94 18.94 18.12 R/W

STA. 184+33.94
EXIST. INLET

4:1

CONNECT TO EXIST. PIPE

EXIST. 24" PIPE

EXIST. 8' OF 18" PIPE

CONST. 59' OF 18" PIPE

CONST. 64' OF 18" PIPE

S-30
STA. 184+40
CONST. INLET TYPE "Z"
INDEX NO. 5049
GRATE EL. 16.92
F.L. EL. 12.2

S-29
STA. 184+40
CONST. INLET TYPE "Z"
INDEX NO. 5049
GRATE EL. 14.7
F.L. EL. 12.4

184+40 S-30 S-29

120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100

AS BUILT
APR 21 1976

84
17

Contract No. 3.

K+E PLATE 3. CROSS SECTION KEUFFEL & ESSER CO.

SCALE 1"=5' VERT.
1"=10' HORIZ.

SECTION	CONTRACT	SOUTH CROSSTOWN EXPRESSWAY	SHEET NO.
10002	3503		25
By: WACO		TAMPA-HILLSBOROUGH COUNTY EXPRESSWAY AUTHORITY	Date: 1973

FINAL SURVEY — BY — DATE
SURVEYED
PLOTTED
TEMPLATE
AREAS CHECKED
NOTE BOOK
NO.

ORIGINAL SURVEY — BY — DATE
SURVEYED
PLOTTED
TEMPLATE
AREAS CHECKED
NOTE BOOK
NO.

S-43
STA 206+36.67
CONST INLET TYPE "BW"
SEE ST'D DRAWING NO 21
FL. EL. 21.9

S-41
STA 206+36.67
CONST. INLET TYPE "Y"
INDEX NO. 5086
FL. EL. 22.3

CONST 47' OF 18" PIPE
48'

CONST 47' OF 18" PIPE
50'

S-42
STA 206+37
CONST. INLET TYPE "Z"
INDEX NO 5049
GRATE EL. 24.73
FL. EL. 22.1

CONST 13' OF 14" C.I.P.
(INCLUDES ELBOW)

STA 206+37
CONST "U" TYPE
ENDWALL WITH
BAFFLES
INDEX NO. 1129
FL 17.8

206+36.67
S-43
S-42
S-41

S-39
STA 202+55
CONST INLET TYPE "BW"
SEE ST'D DRAWING NO 21
FL. EL. 29.8

S-38
STA 202+55
CONST. INLET TYPE "Y"
INDEX NO. 5086
FL. EL. 30.2

CONST 96' OF 15" PIPE
96'

CONST 20' OF 14" C.I.P.
(INCLUDES ELBOW)

STA 202+55
CONST "U" TYPE
ENDWALL WITH
BAFFLES
INDEX NO. 1129
FL. EL. = 18.0

202+55
S-39
S-38

S-37
STA 196+05
CONST INLET TYPE "BW"
SEE ST'D DRAWING NO 21
FL. EL. 31.3

S-36
STA 196+05
CONST. INLET TYPE "Y"
INDEX NO. 5086
FL. EL. 31.7

CONST 96' OF 15" PIPE
98'

STA 196+05
CONST "U" TYPE
ENDWALL WITH
BAFFLES
INDEX NO. 1129
FL. EL. 17.7

CONST 20' OF 14" C.I.P.
(INCLUDES ELBOW)

196+05
S-37
S-36

DRAFT

AS BUILT
APR 27 1976

Contract No. 3.

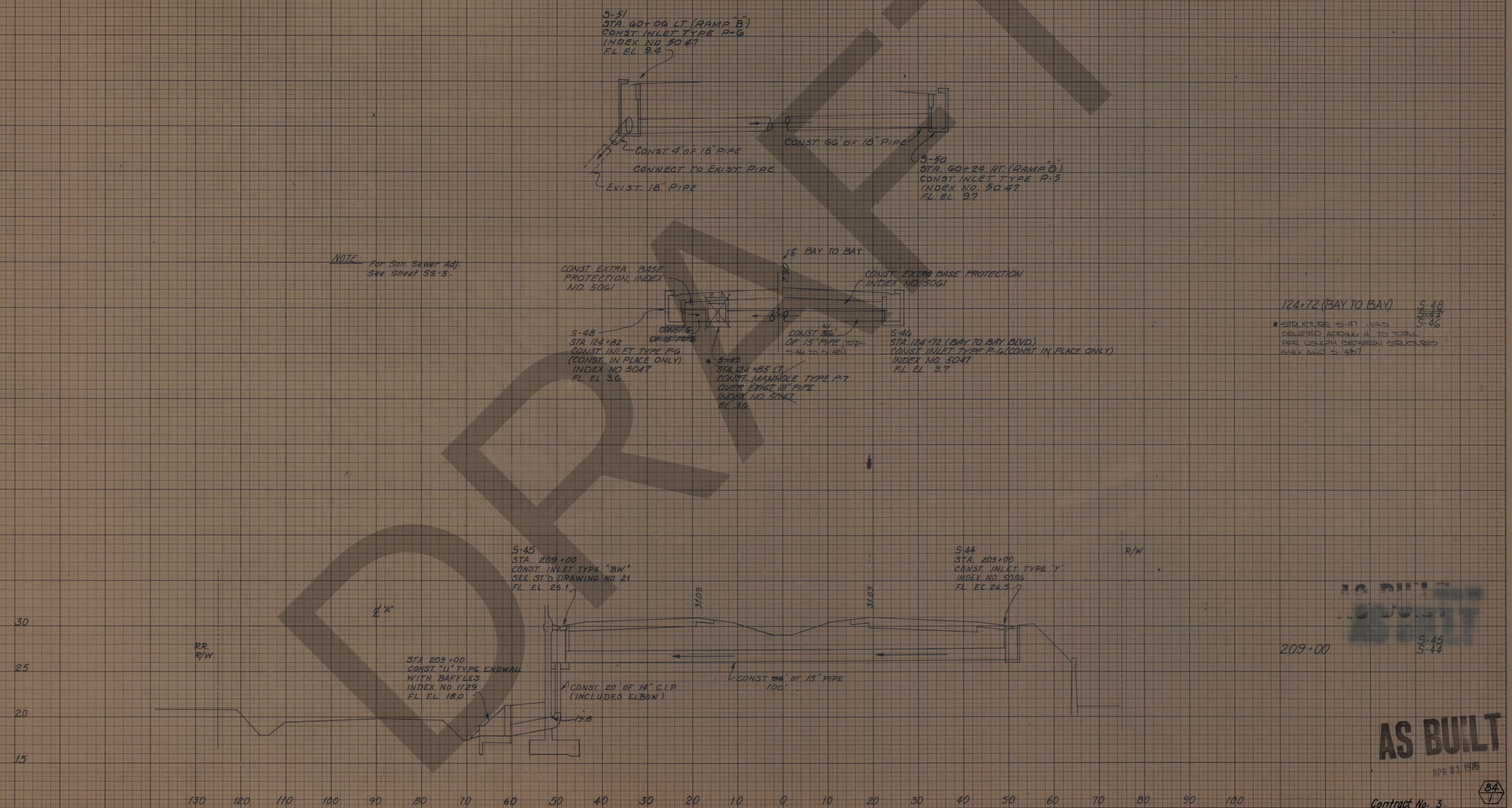
84/1

K+E PLATE 3. CROSS SECTION
KEUFFEL & ESSER CO.

SCALE 1" = 5' VERT.
1" = 10' HORIZ.

SECTION	CONTRACT	SOUTH CROSSTOWN EXPRESSWAY	SHEET NO.
10002	3503		26
By: WACO		TAMPA-HILLSBOROUGH COUNTY EXPRESSWAY AUTHORITY	Date 1973

60+24 (RAMP B) S-51
60+06 (RAMP B) S-50



124+72 (BAY TO BAY) S-48 ~~S-47~~ S-46

* STRUCTURE S-47 WAS DELETED ADDING 4' TO TOTAL PIPE LENGTH BETWEEN STRUCTURES S-46 AND S-48.

209+00 S-45 S-44

AS BUILT
APR 21 1976

Contract No. 3.

84
1

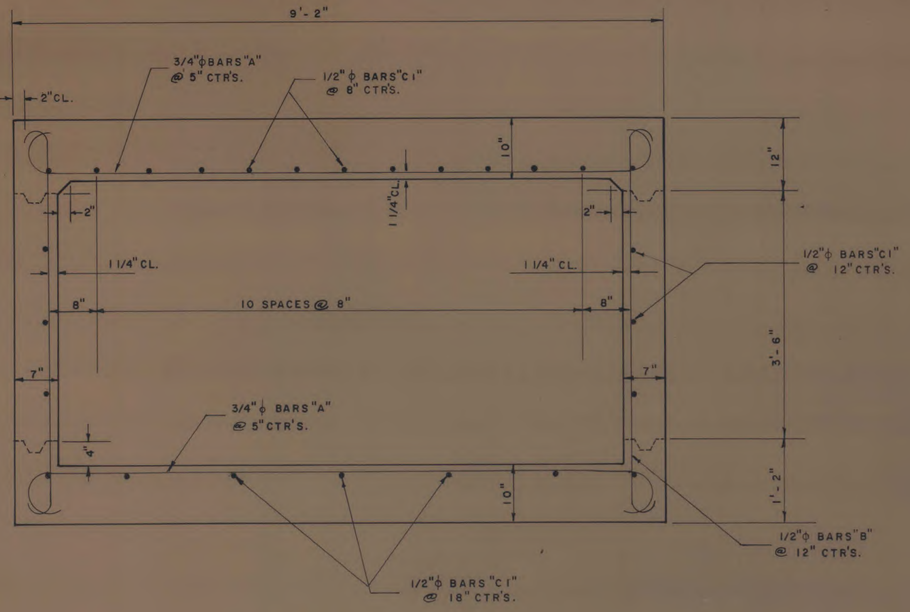
FINAL SURVEY — NOTE BOOK — NO. — SURVEYED — PLOTTED — TEMPLATE — AREAS — AREAS CHECKED — BY — DATE

ORIGINAL SURVEY — NOTE BOOK — NO. — SURVEYED — PLOTTED — TEMPLATE — AREAS — AREAS CHECKED — BY — DATE

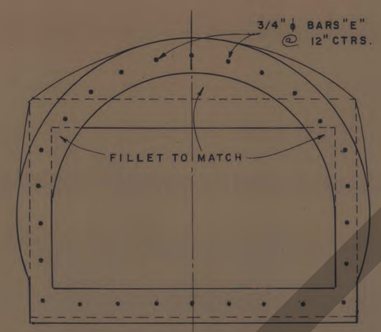
DRAFT

K+E PLATE 3, CROSS SECTION KEUFFEL & ESSER CO.

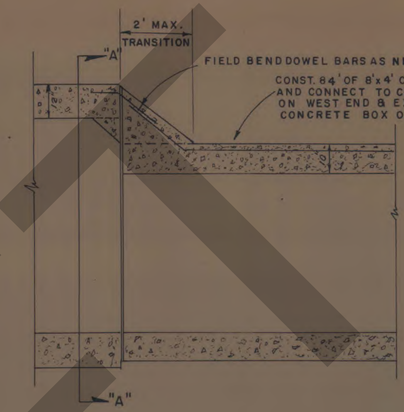
SECTION	CONTRACT	SOUTH CROSSTOWN EXPRESSWAY	SHEET NO.
10002	3503		27
By WACO	TAMPA-HILLSBOROUGH COUNTY EXPRESSWAY AUTHORITY		Date 1973



TYPICAL CROSS SECTION



SECTION A-A

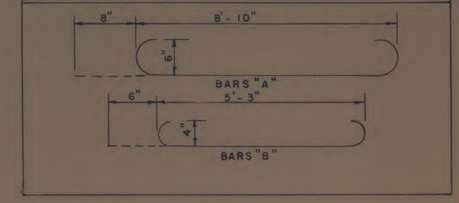


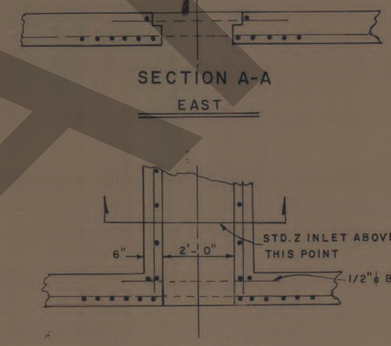
TRANSITION ARCH TO BOX DETAIL

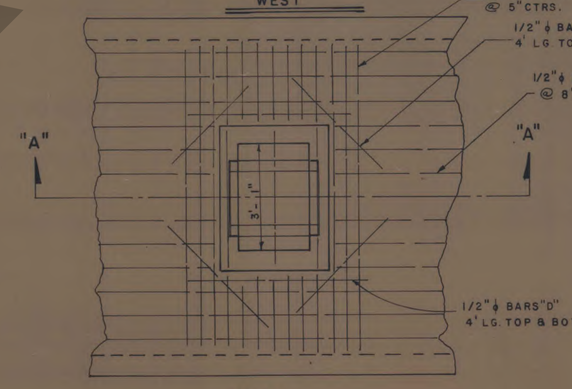
BILL OF REINFORCING STEEL				
MARK	SIZE	NO REQ'D	LENGTH	BENDING
A	6	404	10'-2"	SEE DIAGRAM
B	4	168	6'-3"	"
C-1	4	78	28'-7"	STRAIGHT
D	4	24	4'-0"	"
E	6	26	2'-3"	AS REQ'D.

ESTIMATED QUANTITIES		
ITEM	UNIT	QUANTITIES
CONCRETE (CLASS II)	C.Y.	63.5
REINFORCING STEEL	LBS.	8511.5

BENDING DIAGRAM

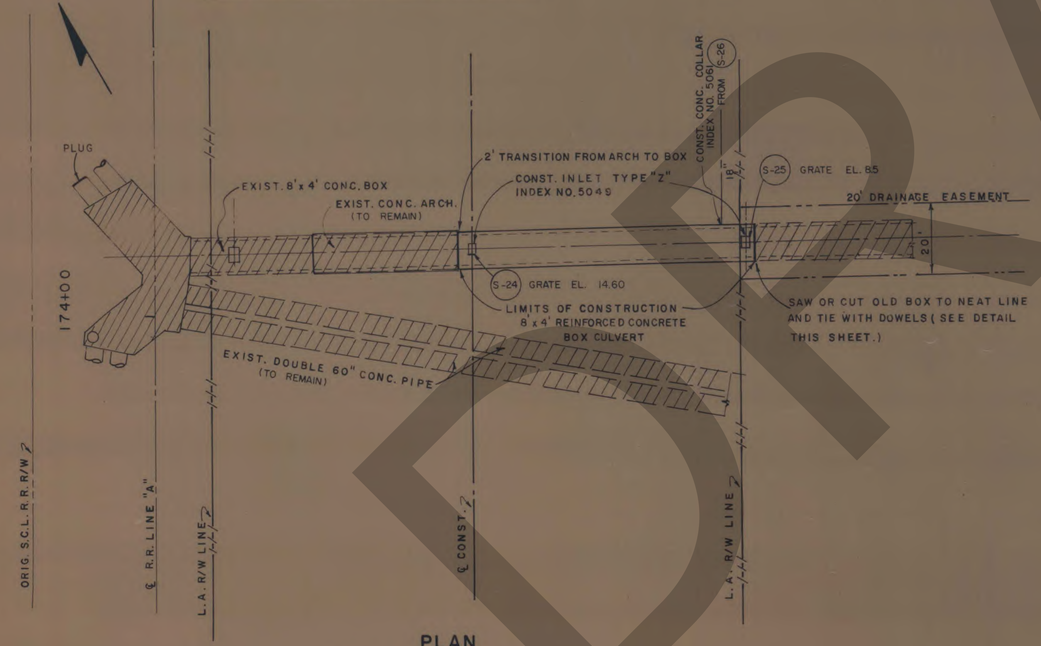




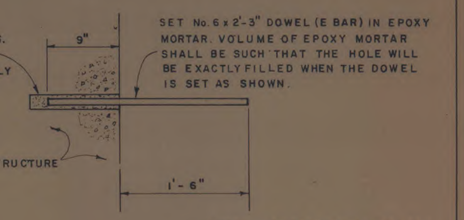


NOTE, CUT "A" BARS & "C-1" BARS IN TOP 8'x4' SLAB TO ACCOMODATE OPENING.

PLAN
TYPE Z INLET REINF. BARS DETAIL



PLAN
LIMITS OF CONSTRUCTION



DOWEL DETAIL

APR 31 1976

ASBUILT

NO.	REVISION	BY	DATE

TAMPA-HILLSBOROUGH COUNTY EXPRESSWAY AUTHORITY

SOUTH CROSSTOWN EXPRESSWAY

IMPROVEMENT OF EXISTING SINGLE 8'x4' BOX CULVERT AT STA. 174+15

J. E. GREINER COMPANY — WATSON & COMPANY
CONSULTING ENGINEERS — TAMPA, FLORIDA

MADE C S D DATE 5-9-73 | TRACED C S D DATE 5-13-73
CHECKED D M DATE 5-73 | SCALE NO SCALE

84/1

Contract No. 3.

DRAFT

SECTION	CONTRACT	SOUTH CROSSTOWN EXPRESSWAY	SHEET NO.
10002	3503		T-1
By: WACO		TAMPA-HILLSBOROUGH COUNTY EXPRESSWAY AUTHORITY	Date 1974

TAMPA - HILLSBOROUGH COUNTY EXPRESSWAY AUTHORITY

—PLANS OF PROPOSED—

STATE JOB NO. 10002-3503

SOUTH CROSSTOWN EXPRESSWAY

STATE ROAD NO. 449

HILLSBOROUGH COUNTY TAMPA, FLORIDA

TRAFFIC SIGNALS

INDEX OF SHEETS

Sheet No.	Sheet Description
T-1	Key Sheet
T-2	Bill of Materials and Summary of Quantities
T-3	Conventional Signal Symbols
T-4	General Notes
T-5 - T-7	Installation Details
T-8	Pole Schedule
T-9, T-10	Traffic Signal Plans
T-11	Index No. 9821 - Prestressed Concrete Poles
T-12	Steel Strain Pole Detail





2000 FT.

ATTENTION IS DIRECTED TO THE FACT THAT THESE PLANS MAY HAVE BEEN REDUCED IN SIZE BY REPRODUCTION. THIS MUST BE CONSIDERED WHEN OBTAINING SCALED DATA.

AS BUILT
APR 21 1976

GENERAL SPECIFATIONS

FLORIDA DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION - 1973 OR AS MODIFIED BY THE CONTRACT SPECIAL PROVISIONS.

APPROVAL RECOMMENDED_____

BY_____

APPROVED_____

BY_____ CHAIRMAN

TAMPA-HILLSBOROUGH COUNTY EXPRESSWAY AUTHORITY

CONTRACT NO. 3

FROM SOUTH OF MAC DILL AVE.
TO SOUTH OF WATROUS AVE.

J. E. GREINER COMPANY, INC.
CONSULTING ENGINEERS

WATSON AND COMPANY
TAMPA, FLA.

SUBMITTED_____ DATE_____

Contract No. 31

84/1

SECTION	CONTRACT	SOUTH CROSSTOWN EXPRESSWAY	SHEET NO.
10002	3503		T-2
By: WACO	TAMPA-HILLSBOROUGH COUNTY EXPRESSWAY AUTHORITY		Date: 5-74

BILL OF MATERIALS

ITEM	DESCRIPTION	UNIT	QUANTITY LOCATION 1	QUANTITY LOCATION 2		QUANTITY TOTAL
1	CONTROLLER: THREE PHASE FULLY ACTUATED, SOLID STATE MODULAR DESIGN	EACH	1	1		2
2	DETECTOR ASSEMBLIES: (VEHICLE) LOOP TYPE	EACH	3	3		6
3	SIGNAL ASSEMBLY: 3 SECTION 1-WAY WITH 12" LENSES [RED, YELLOW, GREEN]	EACH	4	-		4
4	SIGNAL ASSEMBLY: 3 SECTION 1-WAY WITH 12" LENSES [RED, YELLOW, GREEN ARROW (LEFT)]	EACH	3	-		3
5	SIGNAL ASSEMBLY: 3 SECTION 1-WAY WITH 12" LENSES [RED, YELLOW, GREEN ARROW (45° RIGHT)]	EACH	2	-		2
~~6~~	~~SIGNAL ASSEMBLY: 3 SECTION 1-WAY WITH 12" LENSES [RED, YELLOW, GREEN ARROW (UP)]~~	~~EACH~~	~~2~~	-		~~2~~
7	SIGNAL ASSEMBLY: 3 SECTION 1-WAY WITH 12" LENSES [RED, YELLOW, GREEN ARROW (RIGHT)]	EACH	1	-		1
◆ 8	MESSENGER WIRE: 1/4" DIAMETER	LIN. FT.	*	*		*
◆ 9	MESSENGER WIRE: 3/8" DIAMETER.	LIN. FT.	*	*		*
◆ 10	CABLE: SOLID COPPER CONDUCTOR	LIN. FT.	*	*		*
◆ 11	CONDUIT	LIN. FT.	*	*		*
◆ 12	DETECTOR LOOP WIRE: NO. 12 AWG.-UF STRANDED COPPER	LIN. FT.	*	*		*
◆ 13	REPLACE 12" GREEN LENS WITH 12" GREEN ARROW (45° LEFT)	EACH		1		1
◆ 14	REPLACE 12" GREEN LENS WITH 12" GREEN ARROW (RIGHT)	EACH		1		1
◆ 16	SIGNAL LAMPS: 150 WATTS CLEAR 125 VOLTS MIN.	EACH	30	8		
17	CONCRETE STRAIN POLES [TYPE V]	EACH	4	-		
18	PULL BOXES: METER TYPE CONCRETE	EACH	1	1		2
◆ 19	12" LONG TUNNEL VISORS	EACH	9	-		9
20	REMOVE AND INSTALL EXISTING EQUIPMENT	LUMP SUM	-	1		1
21	DETECTOR ASSEMBLY (PEDESTRIAN) PUSH BUTTON	EACH	4	-		4
22	CONCRETE PEDESTAL (TYPE II)	EACH	-	1		1
23	SIGNAL ASSEMBLY: 4 SECTION 1-WAY WITH 12" LENSES [RED, YELLOW, GREEN, GREEN ARROW (LEFT)]	EACH	-	2		2
◆ 24	GROUND RODS	EACH	4	-		4
	STEEL STRAIN POLES (ALTERNATE TO CONCRETE POLE)	EACH	4	-		4

* TO BE FIGURED FROM PLANS AND JOB SITE BY CONTRACTOR AND SHALL BE SUFFICIENT QUANTITY FOR COMPLETE INSTALLATION COST, SHALL BE INCLUDED IN BID ITEM NO. 675-47 OF THE SUMMARY OF QUANTITIES.
◆ SEE NOTE UNDER SUMMARY OF QUANTITIES

SUMMARY OF QUANTITIES

	ITEM NO.	ITEM	UNIT	QUANTITY
	675-32-3	CONTROLLER (THREE PHASE) [FULLY ACTUATED, SOLID STATE MODULAR DESIGN]	EACH	2
	675-33A	DETECTOR [VEHICLE, LOOP TYPE]	EACH	6
	675-33B	DETECTOR [PEDESTRIAN, PUSH BUTTON]	EACH	4
	675-37A	TRAFFIC SIGNAL ASSEMBLY [3 SECTION: 1 WAY WITH 12" LENSES]	EACH	10
	675-37B	TRAFFIC SIGNAL ASSEMBLY [4 SECTION: 1 WAY WITH 12" LENSES]	EACH	2
ALT. A	675-40-2	CONCRETE STRAIN POLES (TYPE V)	LIN. FT.	136
	675-42	CONCRETE PEDESTAL [TYPE II]	LIN. FT.	12
	675-47	ACCESSORY MATERIAL	LUMP SUM	1
	675-48	PULL BOXES-[METER TYPE-CONCRETE]	EACH	2
ALT. B	675-54	STEEL STRAIN POLES-[28' LENGTH]	EACH	4
	675-55	REMOVE AND INSTALL EXISTING EQUIPMENT	LUMP SUM	1

ALTERNATES

NOTE: ◆ ITEMS LISTED IN BILL OF MATERIALS SHALL BE INCLUDED IN THE COST OF CONTRACT BID ITEM NO. 675-47

DRAFT

AS BUILT
APR 21 1976

NO.	REVISION	BY	DATE

TAMPA-HILLSBOROUGH COUNTY EXPRESSWAY AUTHORITY
SOUTH CROSSTOWN EXPRESSWAY
BILL OF MATERIALS AND SUMMARY OF QUANTITIES
J. E. GREINER COMPANY — WATSON & COMPANY
CONSULTING ENGINEERS TAMPA, FLORIDA

MADE JNC	DATE 11-73	TRACED DJR	DATE 11-73
CHECKED JNC	DATE 5-74	SCALE	84 / 1

Contract No. 3,

SECTION	CONTRACT	SOUTH CROSSTOWN EXPRESSWAY	SHEET NO.
10002	3503		T-2
By: WACO		TAMPA-HILLSBOROUGH COUNTY EXPRESSWAY AUTHORITY	Date: 5-74

BILL OF MATERIALS

ITEM	DESCRIPTION	UNIT	QUANTITY LOCATION 1	LOCATION 2		TOTAL
1	CONTROLLER: THREE PHASE FULLY ACTUATED, SOLID STATE MODULAR DESIGN	EACH	1	1		2
2	DETECTOR ASSEMBLIES: (VEHICLE) LOOP TYPE	EACH	3	3		6
3	SIGNAL ASSEMBLY: 3 SECTION 1-WAY WITH 12" LENSES [RED, YELLOW, GREEN]	EACH	4	-		4
4	SIGNAL ASSEMBLY: 3 SECTION 1-WAY WITH 12" LENSES [RED, YELLOW, GREEN ARROW (LEFT)]	EACH	3	-		3
5	SIGNAL ASSEMBLY: 3 SECTION 1-WAY WITH 12" LENSES [RED, YELLOW, GREEN ARROW (45° RIGHT)]	EACH	2	-		2
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7	SIGNAL ASSEMBLY: 3 SECTION 1-WAY WITH 12" LENSES [RED, YELLOW, GREEN ARROW (RIGHT)]	EACH	1	-		1
◆ 8	MESSENGER WIRE: 1/4" DIAMETER	LIN. FT.	*	*		*
◆ 9	MESSENGER WIRE: 3/8" DIAMETER.	LIN. FT.	*	*		*
◆ 10	CABLE: SOLID COPPER CONDUCTOR	LIN. FT.	*	*		*
◆ 11	CONDUIT	LIN. FT.	*	*		*
◆ 12	DETECTOR LOOP WIRE: NO. 12 AWG.- UF STRANDED COPPER	LIN. FT.	*	*		*
◆ 13	REPLACE 12" GREEN LENS WITH 12" GREEN ARROW (45° LEFT)	EACH		1		1
◆ 14	REPLACE 12" GREEN LENS WITH 12" GREEN ARROW (RIGHT)	EACH		1		1
◆ 16	SIGNAL LAMPS: 150 WATTS CLEAR 125 VOLTS MIN.	EACH	30	8		
17	CONCRETE STRAIN POLES [TYPE V]	EACH	4	-		
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◆ 19	12" LONG TUNNEL VISORS	EACH	9	-		9
20	REMOVE AND INSTALL EXISTING EQUIPMENT	LUMP SUM	-	1		1
21	DETECTOR ASSEMBLY (PEDESTRIAN) PUSH BUTTON	EACH	4	-		4
22	CONCRETE PEDESTAL (TYPE II)	EACH	-	1		1
23	SIGNAL ASSEMBLY: 4 SECTION 1-WAY WITH 12" LENSES [RED, YELLOW, GREEN, GREEN ARROW (LEFT)]	EACH	-	2		2
◆ 24	GROUND RODS	EACH	4	-		4
	STEEL STRAIN POLES (ALTERNATE TO CONCRETE POLE)	EACH	4	-		4

* TO BE FIGURED FROM PLANS AND JOB SITE BY CONTRACTOR AND SHALL BE SUFFICIENT QUANTITY FOR COMPLETE INSTALLATION COST. SHALL BE INCLUDED IN BID ITEM NO. 675-47 OF THE SUMMARY OF QUANTITIES.
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SUMMARY OF QUANTITIES

ITEM NO.	ITEM	UNIT	QUANTITY
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675-37A	TRAFFIC SIGNAL ASSEMBLY [3 SECTION: 1 WAY WITH 12" LENSES]	EACH	10
675-37B	TRAFFIC SIGNAL ASSEMBLY [4 SECTION: 1 WAY WITH 12" LENSES]	EACH	2
ALT. A → 675-40-2	CONCRETE STRAIN POLES (TYPE V)	LIN. FT.	136
675-42	CONCRETE PEDESTAL [TYPE II]	LIN. FT.	12
675-47	ACCESSORY MATERIAL	LUMP SUM	1
675-48	PULL BOXES-[METER TYPE-CONCRETE]	EACH	2
ALT. B → 675-54	STEEL STRAIN POLES-[28' LENGTH]	EACH	4
675-55	REMOVE AND INSTALL EXISTING EQUIPMENT	LUMP SUM	1

ALTERNATES

NOTE: ◆ ITEMS LISTED IN BILL OF MATERIALS SHALL BE INCLUDED IN THE COST OF CONTRACT BID ITEM NO. 675-47

DRAFT

AS BUILT
APR 21 1976

NO.	REVISION	BY	DATE

TAMPA-HILLSBOROUGH COUNTY EXPRESSWAY AUTHORITY
SOUTH CROSSTOWN EXPRESSWAY
BILL OF MATERIALS AND SUMMARY OF QUANTITIES
J. E. GREINER COMPANY — WATSON & COMPANY CONSULTING ENGINEERS TAMPA, FLORIDA

MADE JNC DATE 11-73 | TRACED DJR DATE 11-73
CHECKED JNC DATE 5-74 | SCALE

84
7

Contract No. 3

FED. ROAD DIV. NO.	STATE	PROJECT NO.	FISCAL YEAR	SHEET NO.
3	FLA.			7-3

State Job No. 10002-3503

RIGHT-OF-WAY LINE

LIMITED ACCESS LINE

RAILROADS

SIGNAL CABLE OVERHEAD ON MESSENGER WIRE

INTERCONNECT CABLE (AERIAL)

CABLE IN CONDUIT

DETECTOR CABLE - PAVEMENT SAW CUT

LOOP VEHICLE DETECTOR CABINET (POLE MOUNTED)

SIGNAL POLE REQUIRED

SIGNAL POLE IN PLACE

SIGNAL HEAD, SPAN WIRE MOUNTED

SIGNAL HEAD, MAST ARM MOUNTED

PEDESTRIAN SIGNAL HEAD, POLE MOUNTED

PEDESTRIAN SIGNAL HEAD, PEDESTAL MOUNTED

PEDESTRIAN DETECTOR, POLE MOUNTED

PEDESTRIAN DETECTOR, PEDESTAL MOUNTED

VEHICLE DETECTOR, LOOP TYPE - MOTION

VEHICLE DETECTOR, LOOP TYPE - PRESENCE

VEHICLE DETECTOR, PRESSURE SENSITIVE

CONTROLLER, POLE MOUNTED

CONTROLLER, BASE MOUNTED

JUNCTION BOX

PULL BOX

8 ITEM NUMBER

5 SIGNAL FACE NUMBER

R.R. MILE POST (M.P. NO. 0.00)

	EXISTING	PROPOSED
POWER POLE		
TELEPHONE POLE		
COMBINATION POLE		
LIGHT STANDARD		

DRAFT

AS BUILT
APR 21 1976

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION
TRAFFIC OPERATIONS

CONVENTIONAL SIGNAL SYMBOLS

REVISIONS		ROAD NO.	COUNTY	PROJECT NO.
Dates	Descriptions			

	Names	Dates
Detailed by		
Checked by		
Quantities by		
Checked by		
Traced by		

Recommended For Approval by _____ Engineer of Traffic Operations

APPROVED BY _____ Deputy Design Engineer

Drawing No. OF

Index No. 84/1

Contract No. 3.

A. R. COGSWELL CO., JACKSONVILLE

SECTION	CONTRACT	SOUTH CROSSTOWN EXPRESSWAY	SHEET NO
10002	3503		T-4
By WACO		TAMPA-HILLSBOROUGH COUNTY EXPRESSWAY AUTHORITY	Date 11-73

GENERAL NOTES

GENERAL

G-1 NO CHANGES SHALL BE MADE IN THE SIGNALIZATION PLANS WITHOUT THE APPROVAL OF THE RESIDENT ENGINEER.

G-2 THE CONTRACTOR SHALL BE RESPONSIBLE FOR SUBMITTING TO THE PROJECT ENGINEER TWO (2) COPIES OF SUBMITTAL DATA FOR EACH ITEM OF PROPOSED EQUIPMENT TO BE USED AND SHALL HAVE APPROVAL OF SUBMITTAL DATA PRIOR TO THE INSTALLATION.

G-3 ALL EQUIPMENT MUST MEET AND BE INSTALLED IN ACCORDANCE WITH THE D.O.T. PUBLICATION "STANDARD SPECIFICATIONS FOR TRAFFIC SIGNALS AND AUXILIARY EQUIPMENT" REVISED.

G-4 THE CONTRACTOR SHALL REQUIRE THE CONTROLLER MANUFACTURER OR SUPPLIER TO FORWARD THE MAKE, MODEL AND SERIAL NUMBERS OF EACH CONTROLLER, REFERENCED BY JOB NUMBER AND LOCATION NUMBER AS SHOWN ON THE SIGNAL PLANS TO THE RESIDENT ENGINEER.

G-5 THE CONTRACTOR SHALL BE RESPONSIBLE FOR SPECIFYING THE SIZE AND NUMBER OF CONDUCTOR RUNS (PLUS 4 SPARES) AND CONDUIT REQUIRED TO COMPLETELY AND SATISFACTORILY WIRE THE SIGNAL SYSTEM AS OUTLINED AND SHOWN ON THE PLANS. IN ALL INSTANCES, THE "STANDARD SPECIFICATIONS FOR TRAFFIC CONTROL SIGNALS AND AUXILIARY EQUIPMENT" TOGETHER WITH THE LATEST METHODS OF THE NATIONAL ELECTRICAL CODE SHALL BE STRICTLY ADHERED TO. ANY DEVIATIONS OR EXCEPTIONS TO THE ABOVE MUST BE SUBMITTED IN WRITING TO THE RESIDENT ENGINEER FOR HIS REVIEW AND SUBSEQUENT DECISION.

G-6 THE CONTRACTOR SHALL BE RESPONSIBLE FOR INSTALLING THE SERVICE GROUND TO HAVE A RESISTANCE TO GROUND NOT TO EXCEED 25 OHMS AS MEASURED WITH A GROUND "MEGGER".

G-7 THE CONTRACTOR SHALL BE RESPONSIBLE FOR SUBMITTING TO THE RESIDENT ENGINEER TWO (2) COPIES OF A SCHEMATIC SHOWING THE CONDUCTOR RUNS, THE POINTS OF CHANGES AND THE NUMBER OF CONDUCTORS REQUIRED AT EACH POINT.

CONTROLLER

C-1 THE OUTSIDE DOOR AND AUXILIARY DOOR OF ALL CONTROLLER CABINETS TO BE EQUIPPED WITH DIFFERENT CYLINDER LOCKS, TWO KEYS TO EACH LOCK.

C-2 IN ALL CABINETS CONTAINING ACTUATED CONTROLLERS, THERE MUST BE INSTALLED ONE (1) ADDITIONAL, SIX (6) TERMINALS STRIP FOR THE ACCOMMODATION OF LOOP TYPE DETECTOR LEADS.

C-3 THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONSTRUCTING THE PROPER SIZE FOUNDATION, ACCORDING TO MANUFACTURER'S SPECIFICATIONS, FOR BASE MOUNTED CONTROLLER CABINETS.

C-4 THE CONTROLLER CABINETS SHALL BE OF THE FOLLOWING LISTED MINIMUM OUTSIDE DIMENSIONS: POLE MOUNTED; HEIGHT, 31½ INCHES; WIDTH, 19⅜ INCHES; DEPTH, 13½ INCHES. BASE MOUNTED; HEIGHT, 47 INCHES; WIDTH, 28 INCHES; DEPTH, 15 INCHES. THE EQUIPMENT, PROPOSED AND FUTURE, SHALL NOT OCCUPY MORE THAN 70% OF THE CABINET CAPACITY.

C-5 THE CONTROLLER BID SHALL HAVE BUILT-IN NON-LOCKING DETECTION CAPABILITIES OR SHALL HAVE INCLUDED IN THE BID A TIME DELAY RELAY TO EFFECT A TIME DELAY FOR OPENING AND CLOSING A CIRCUIT WITHIN A SPECIFIED TIME LIMIT. THE TIME DELAY SHALL BE ADJUSTABLE FROM 2 TO 60 SECONDS. THE RELAY SHALL BE INSERTED ONLY INTO THE CIRCUIT BETWEEN THE CONTROLLER AND THE DETECTOR SPECIFIED.

C-6 ALL SOLID STATE CONTROLLERS ARE REQUIRED TO HAVE AN ADEQUATE NUMBER OF EXTERNAL JACK MOUNTED, HEAVY DUTY TYPE, SIGNAL LIGHT LOAD SWITCHES WITH SUB-BASE TO CARRY THE AMPERAGE FOR THE MAXIMUM NUMBER OF 150 WATT BULBS THAT SHALL BE DISPLAYED AT ANY ONE INTERVAL.

C-7 ALL CONTROLLLERS THAT DO NOT HAVE A BUILT-IN FEATURE TO ELIMINATE CONFLICTING SIGNAL INDICATIONS SHALL HAVE A SOLID STATE DEVICE (WITH A VARIABLE TIME DELAY FEATURE WHICH PREVENTS ERRONEOUS REACTIONS) TO MONITOR THE SIGNAL INDICATIONS AT THE POINT WHERE THE LOAD SWITCHES FEED THE SIGNAL CABLE SO THERE WILL BE NO CONFLICTING SIGNAL INDICATIONS DISPLAYED. IF THIS CONDITION EXISTS, THE UNIT WILL TRANSFER THE SIGNAL TO AN ALL RED INDICATION, PROCEEDED BY A FLASHING OPERATION DISPLAYING A YELLOW FLASHING SIGNAL TO THE ARTERY AND RED FLASHING SIGNAL TO THE SIDE STREET OR STREETS. THE FLASHING CONDITION WILL REMAIN UNTIL THE SYSTEM IS RESET MANUALLY.

C-8 CONTROLLERS SPECIFIED TO OPERATE AS MULTI-PHASE WILL BE COMPLETELY SOLID STATE WITH NO ELECTRO-MECHANICAL RELAYS, OR OTHER MOVING PARTS. SOLID STATE PHASE TIMING MODULES SHALL BE INTERCHANGEABLE BETWEEN DIFFERENT CONTROLLERS OF THE SAME MANUFACTURER. EACH MODULE PROVIDES ALL FUNCTIONS FOR A SINGLE TRAFFIC MOVEMENT OF PHASE. EACH CONTROLLER SHALL BE FURNISHED WITH THE APPROPRIATE INTERVAL SEQUENCE UNIT, PHASE SEQUENCE UNIT, CONNECTING CABLE, SWITCHING RELAYS, SOLID STATE FLASHER, SPECIAL SEQUENCE RELAYS AS REQUIRED, VEHICLE DETECTOR RELAYS AND MISCELLANEOUS HARDWARE AND EQUIPMENT. ALL TIMING INTERVALS SHALL BE SELECTABLE OVER THE ENTIRE TIMING RANGE, WITHOUT THE USE OF MULTIPLICATION SWITCHES.

C-9 WHEN SPECIFIED, MULTI-PURPOSE CONTROLLERS PROVIDING FOR ADDITIONAL PHASE CAPACITY BY THE ADDITION OF MODULAR UNITS SHALL DO SO WITHOUT THERE BEING ANY ADDITIONAL WIRING OR CHANGE IN WIRING TO THE CONTROLLER AND/OR FRAME. ALL MOUNTING FRAMES SHALL BE CAPABLE OF ACCEPTING ADDITIONAL FUNCTIONAL OR PHASE MODULES REGARDLESS OF THEIR FUNCTIONAL CHARACTERISTICS. ALL CABINET WIRING REQUIRED FOR FUTURE OPERATION AS SHOWN ON THE OPERATION PLAN SHALL BE INCLUDED SO THAT ALL ACCESSORY UNITS MAY BE ADDED BY JACK MOUNTING OR PLUGGING UNITS. SUFFICIENT NUMBER OF CONDUCTORS SHALL BE FURNISHED TO WIRE FUTURE SIGNAL HEADS AS SHOWN ON THE PLANS, FROM THE CONTROLLER TO THE FIRST DISCONNECT HANGER.

C-10 THE CONTRACTOR MAY BE REQUIRED TO PROVIDE, INSTALL, AND OPERATE ALL PHASE MODULES (PROPOSED AND FUTURE) AS OUTLINED BY THE SIGNAL OPERATION PLAN. AT THE END OF THE OPERATION CHECK BY THE ENGINEER, THE CONTRACTOR SHALL REMOVE ALL FUTURE PHASE MODULES AND INSTALL COVER PLATES.

DETECTOR

D-1 THE CONTRACTORS SHALL BE RESPONSIBLE FOR INSTALLING THE CORRECT PHASE DETECTOR UNITS REQUIRED FOR SEMI-ACTIVATED CONTROLLERS: WHERE MULTIPLE-PHASE DETECTION IS REQUIRED, AS WITH FULL-ACTUATED MULTI-PHASE CONTROLLERS, THE DETECTORS SHALL BE CAPABLE OF DETECTING EACH AND EVERY SEPARATE MOVEMENT AS SHOWN IN THE SIGNAL OPERATING PLAN.

D-2 THE CONTRACTOR SHALL FURNISH ONE DETECTOR UNIT WITH SUFFICIENT POWER SUPPLIES FOR EACH WIRE LOOP DETECTION TO BE IMBEDDED IN ROADWAY. METHODS FOR TUNING MUST BE EXTERNAL AND EASILY ACCESSIBLE. THERE MUST BE PROVIDED ON THE FRONT OF THE DETECTOR UNIT A VISUAL INDICATOR OR LIGHT TO SHOW WHEN ACTUATIONS ARE BEING RECEIVED. THE DETECTOR UNIT (BY MEANS OF A FRONT PANEL MOUNTED SWITCH) MUST BE CAPABLE OF MOTION DETECTION. PRESENCE DETECTION MUST DETECT VEHICLES ENTERING, STATIONARY, IN, LEAVING THE LOOP OR A COMBINATION OF THESE.

D-3 LOOP LOCATION AND SIZE ARE SHOWN ON THE PLANS FOR THE PURPOSE OF GENERAL LOCATION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ESTABLISHING THE CORRECT SIZE LOOPS TO BE PLACED IN ROADWAY AND CORRECT SIZE A.W.G. WIRE AS REQUIRED BY MANUFACTURER'S SPECIFICATIONS IN ORDER TO ASSURE PROPER OPERATION. WHERE LOOP CONDUCTOR IS RUN OVERHEAD SHIELDED WIRE MUST BE USED.

POLES

P-1 THE CONTRACTOR SHALL BE RESPONSIBLE FOR ESTABLISHING THE AMOUNT OF RAKE TO BE USED ON POLES AT THE TIME OF INSTALLATION.

P-2 IN ACCORDANCE WITH GENERAL NOTE NO. G-3, STRAIN INSULATORS ARE HEREWITH DELETED. ALL TRAFFIC SIGNAL POLES SHALL BE GROUNDED IN ACCORDANCE WITH SECTION 715-11 AS SHOWN IN FLORIDA DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION OF 1973. ALL SPAN WIRES MUST BE GROUNDED WITH NO. 6 (MIN.) COPPER WIRE.

P-3 CONCERNING PEDESTRIAN PUSH BUTTON DETECTORS, TYPE VII PARAGRAPH 'C' PAGE 84 OF THE "STANDARD SPECIFICATIONS FOR TRAFFIC CONTROL SIGNALS AND AUXILIARY EQUIPMENT" IS HEREWITH DELETED.

TRAFFIC SIGNAL ASSEMBLY

T-1 ALL TRAFFIC SIGNAL ASSEMBLIES TO BE FURNISHED WITH TWELVE INCH (12") LENSES, STANDARD VISORS, DISCONNECT HANGERS, BULBS (150 WATTS, 125 VOLTS) AND HARDWARE FOR SPAN WIRE MOUNTING UNLESS OTHERWISE SPECIFIED IN THE PLANS.

T-2 THERE SHALL BE PROVIDED BY THE MANUFACTURER OF TRAFFIC SIGNAL HEADS A METHOD OF POSITIVE LOCKING. THE METHOD USED SHALL PREVENT ANY MIS-ALIGNMENT DUE TO STRONG WINDS OR OBJECTS WHICH MAY COME IN CONTACT WITH THE SIGNAL HEAD AT THE POINT OF ENTRANCE INTO ANY SIGNAL HEAD. A SURE GASKETING METHOD SHALL BE USED TO PREVENT THE ENTRANCE OF ANY WATER.

T-3 THOSE TRAFFIC SIGNAL ASSEMBLY HEADS SHOWN AS FUTURE, SHALL NOT BE INSTALLED DURING THE CHECKOUT OF THE CONTROLLER.

REMOVAL OR ADJUSTMENT OF EXISTING EQUIPMENT

R-1 THE CONTRACTOR SHALL BE RESPONSIBLE FOR RELOCATING ANY EXISTING TRAFFIC SIGNAL EQUIPMENT OR SIGNAL POLES IF NECESSARY TO ACCOMMODATE THE CONSTRUCTION WORK AND STILL PROVIDE ADEQUATELY SAFE TRAFFIC CONTROL. ALL SUCH RELOCATIONS OR ADJUSTMENTS SHALL HAVE THE APPROVAL OF THE RESIDENT ENGINEER.

R-2 THE CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVAL OF ALL EXISTING TRAFFIC SIGNAL EQUIPMENT (SIGNAL HEADS, POLES, SIGNAL HARDWARE AND CONTROLLER) ON THE PROJECT THAT IS NOT INCORPORATED IN THE NEW INSTALLATION AND DELIVER IT DURING NORMAL WORKING HOURS TO:

CITY OF TAMPA
SIGNAL & SIGN MAINTENANCE SHOP
2300 MARITIME BLVD.
TAMPA, FLORIDA 33605

NOTIFICATION TO UTILITIES AND ARRANGEMENTS FOR SAFEGUARDS

N-1 CHAPTER 8AS-4, REGULATION REQUIRING PROTECTIONS IN CLOSE PROXIMITY OF OVERHEAD HIGH-VOLTAGE POWER LINES. WHEN ANY OPERATIONS ARE TO BE PREFORMED, IN CLOSE PROXIMITY (6 FEET) OF ANY POWER LINE, THE PERSON OR PERSONS RESPONSIBLE FOR THE WORK TO BE DONE SHALL PROMPTLY NOTIFY THE UTILITY COMPANIES INVOLVED. THEY SHALL ALSO BE RESPONSIBLE FOR THE COMPLETION OF THE SAFETY MEASURES REQUIRED IN SECTION 4.04 THROUGH 4.07 BEFORE PROCEEDING WITH ANY ACTIVITY WHICH MAY NOT CONFORM TO THE REQUIRED CLEARANCES OR OTHER REQUIREMENTS.

GENERAL AUTHORITY: 440.56(2) FLORIDA STATUTES
LAW IMPLEMENTED: 440.56 FLORIDA STATUTES
HISTORY: AMENDED 4-1-71, 5-1-72

THE FOLLOWING NOTES ARE TO BE DELETED FROM THIS PROJECT

P-3
T-3

AS BUILT
APR 21 1976

NO	REVISION	BY	DATE

TAMPA-HILLSBOROUGH COUNTY EXPRESSWAY AUTHORITY
SOUTH CROSSTOWN EXPRESSWAY

GENERAL NOTES

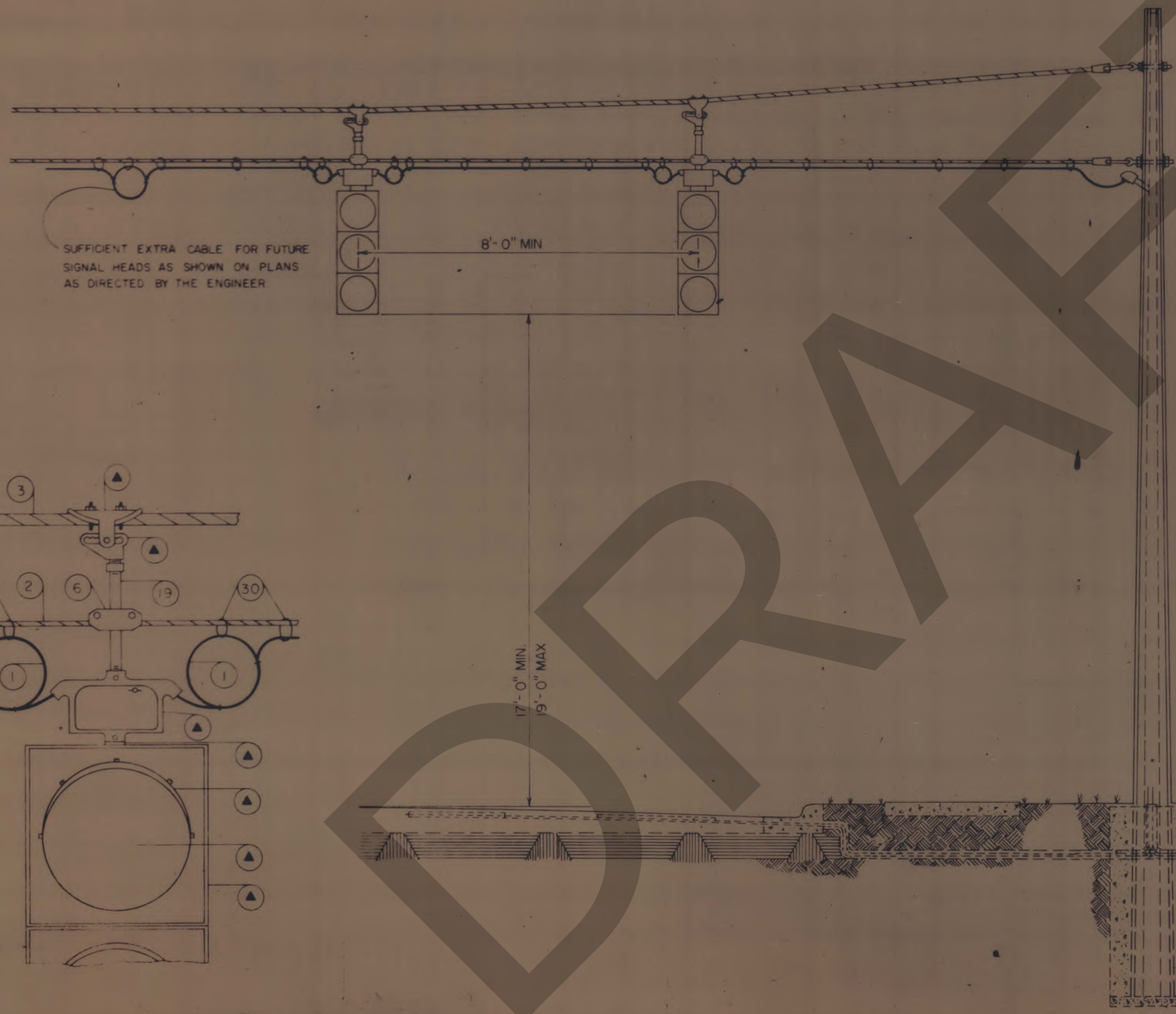
J. E. GREINER COMPANY — WATSON & COMPANY
CONSULTING ENGINEERS — TAMPA, FLORIDA

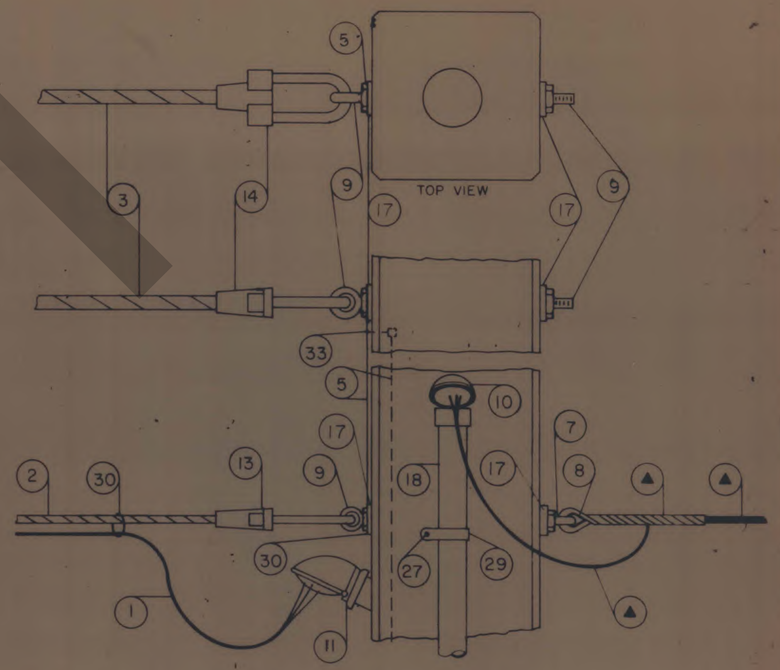
MADE GT DATE 10-73 | TRACED ____ DATE ____
CHECKED JNC DATE 11-73 | SCALE ____ | 84/1

Contract No. 3.

PROJECT No	FISCAL YEAR	SHEET NO
		T-5

State Job No. 10002-3508





DRAFT

AS BUILT
APR 21 1976

FLORIDA DEPARTMENT OF TRANSPORTATION
Traffic Operations

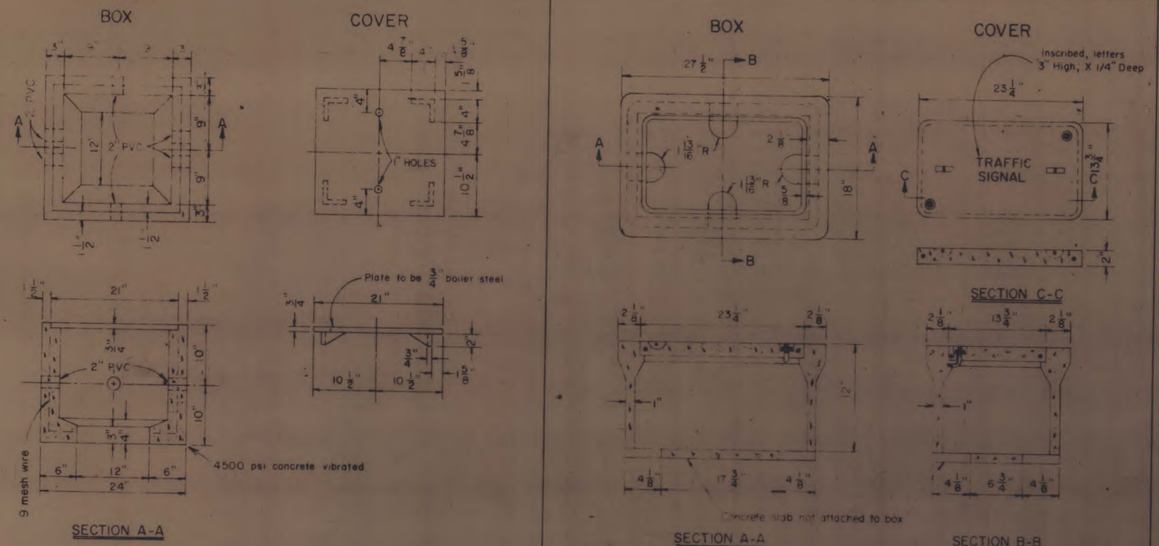
TYPICAL INSTALLATION DETAILS

REVISIONS			INITIALS	DATES
Dates	Descriptions	Detailed by		
		Checked by		
		Quantities by		
		Checked by		
		Supervised by		

Recommended for approval
by _____
Deputy Traffic Operations Engr.
Approved
By _____
State Traffic Operations Engr.

DRAWING NO. 84 INDEX NO. 1

Contract No. 3.



TRAFFIC TYPE PULL BOX DETAIL

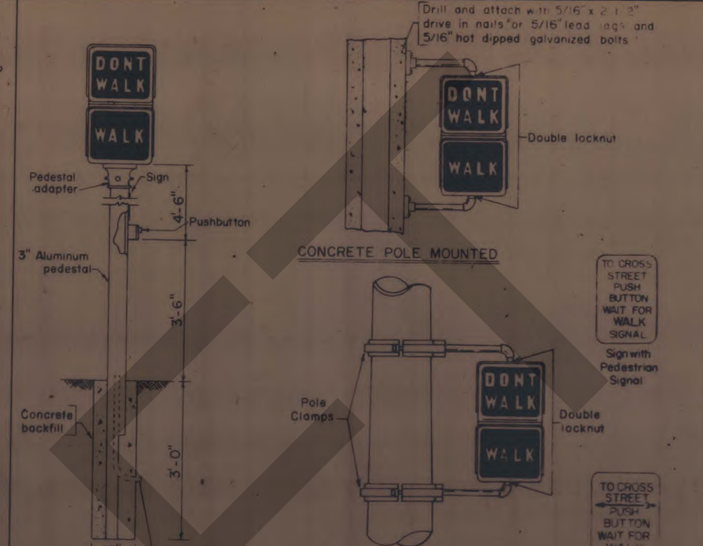
NO SCALE

NOTES

1 - Two galvanized lift eyes per cover required
2 - Cover to have 6 guage welded wire frame
3 - Brass "L" bolts and nuts in diagonal corners, two required
4 - Cover to be marked "TRAFFIC SIGNAL"

METER TYPE PULL BOX DETAIL

NO SCALE

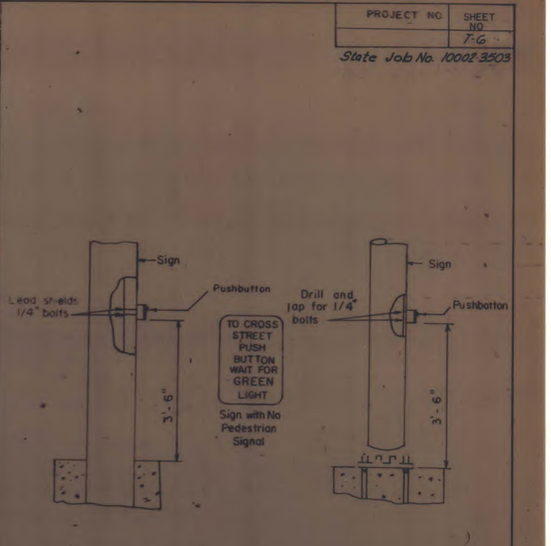


NOTES

1. Provide 8' clearance from signal to surface
2. Aluminum Pedestal (3" I.D., .125" W.T.) - Aluminum association alloy 6061-T or 6351-T5 ASTM B221
3. Assemble signal according to manufacturer's recommendations

PEDESTRIAN SIGNAL MOUNTING

NO SCALE



PUSHBUTTON INSTALLATION

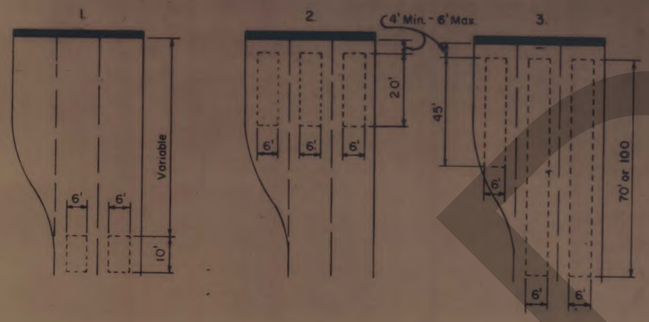
NO SCALE

PROJECT NO. | SHEET NO. 7-G

State Job No. 10002-3503

1.- Motion - 6' wide x 10' length or 18' wide x 10' length (Continuous Cut)
2.- Presence - 6' wide x 20' length per lane only
3.- Loop Occupancy* - 6' wide x 70' min - 100' max length per thru lane only
Left turn only - 6' wide x 45' length (Standard Requirement)
Suggested placement behind Stop Bar - 4' min., 6' max

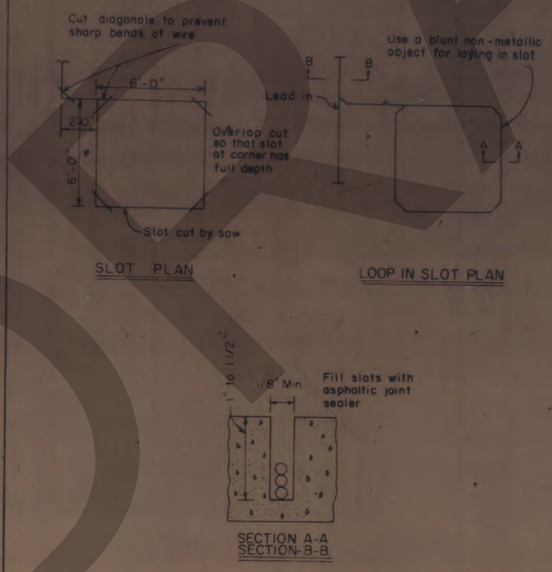
TYPICAL SKETCHES SHOWING APPLICATION



NOTES: 1. X Thru lane loop lengths are determined by approach speed 0-34 MPH = 70' 35-45 MPH = 100'
2. Left turn slots constructed only at locations as shown on plans

VEHICULAR LOOP STANDARDS

NO SCALE



DETECTION LOOP CONSTRUCTION DETAIL

NO SCALE

AS BUILT
APR 21 1976

FLORIDA DEPARTMENT OF TRANSPORTATION
TRAFFIC OPERATIONS

TYPICAL INSTALLATION DETAILS

REVISIONS	INITIALS	DATES

84
7

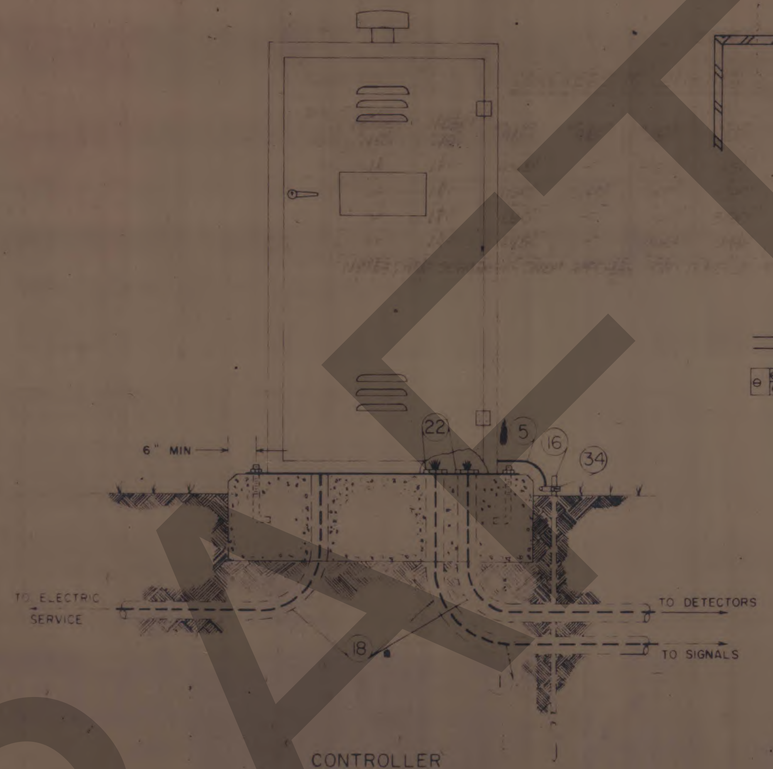
Contract No. 3.

STATE DESIGN	SHEET NO
	T-7

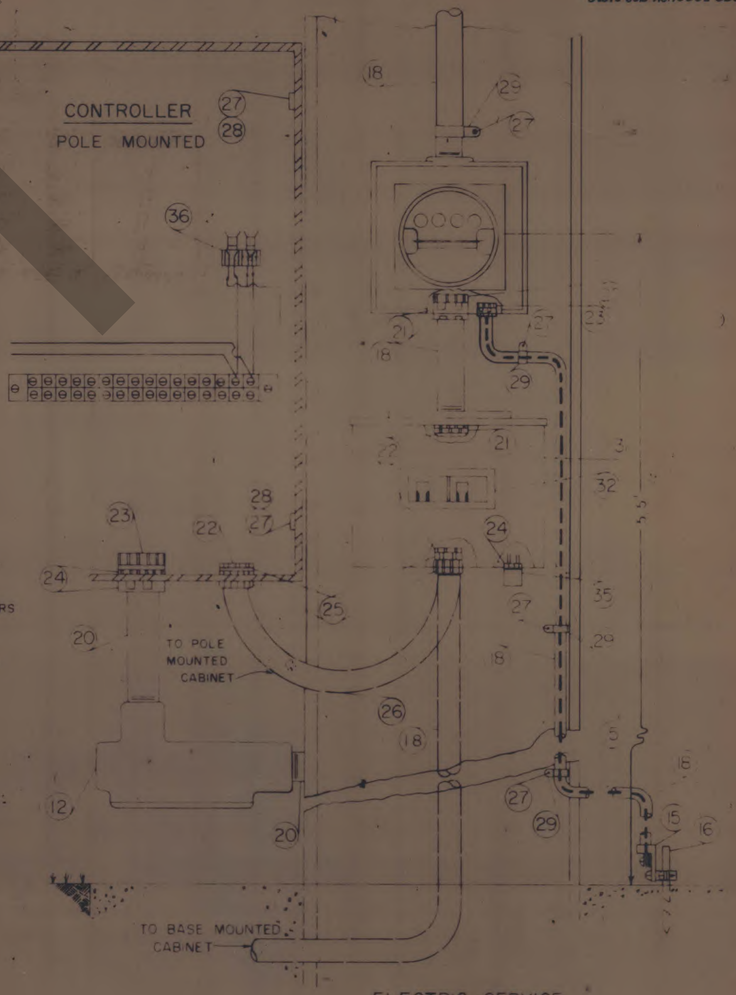
State Job No. 10002-3508

ITEM NO	DESCRIPTION
1	CONDUCTOR, TRAFFIC CONTROL CABLE
2	MESSENGER WIRE (1/4")
3	MESSENGER WIRE (3/8")
4	STRANDED "THWN" WIRE (#12 AWG)
5	STRANDED BARE (GROUND)(#4 AWG)
6	O.Z. GROUNDING DEVICE
7	EYELET (5/8")
8	THIMBLE (GALV.)(5/8")
9	EYEBOLT WITH TWO NUTS (GALV.)
10	WEATHERHEAD - SERV. ENTR. (GALV.)
11	WEATHERHEAD (1 1/4" ENTR. HEAD WITH SLIP FITTER FOR 2" PIPE)
12	UNILET, BODY, COVER, AND GASKET (2")
13	PREFORMED GRIP (1/4")
14	PREFORMED GRIP (3/8")
15	GROUND CLAMP WITH 1/2" HUB (3/4")
16	GROUND ROD (3/4" MIN DIA) COPPER
17	WASHER, GALV. (2"X2"X1/8")(11/16")
18	CONDUIT, RIGID (GALV)
19	IRON PIPE, GALV (1 1/4")
20	NIPPLE, GALV IRON PIPE (2" DIA)
21	HUB (SCRU-TITE)
22	BUSHING, GROUNDING
23	BUSHING (MOLDED, NON-METALLIC)
24	LOCK NUTS (2")
25	CONNECTOR (SEAL-TITE) STRAIGHT
26	FLEXIBLE CONDUIT (METAL, LIQUID TIGHT)
27	CAULKING ANCHOR
28	MACHINE BOLT (5/8"X18) HEX HEAD BOLT, (1 1/2")
29	STRAP, CONDUIT
30	O-RING
31	CIRCUIT BREAKER BOX (EXTERIOR) 70 AMP, 120 VOLTS
32	CIRCUIT BREAKER 20 AMP (SQUARE "D" TYPE)
33	CONNECTOR, CABLE (SPLIT TYPE OR SQUEEZE-ON)
34	GROUND CLAMP
35	LIGHTNING ARRESTOR
36	GASFILLED SURGE VOLTAGE PROTECTOR, AL-F 90, BUTTON TYPE

▲ INCLUDED IN BILL OF MATERIALS



CONTROLLER
BASE MOUNTED



ELECTRIC SERVICE

DRAFT

AS BUILT
APR 21 1976

FLORIDA DEPARTMENT OF TRANSPORTATION
Traffic Operations

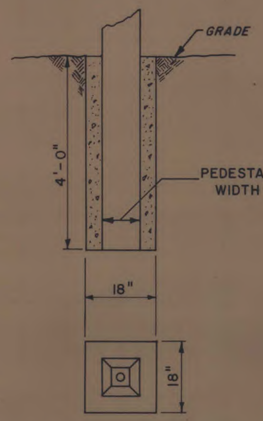
TYPICAL INSTALLATION DETAILS

REVISIONS			INITIALS	DATES
Dates	Descriptions	Detailed by		
		Checked by		
		Quantities by		
		Checked by		
		Supervised by		

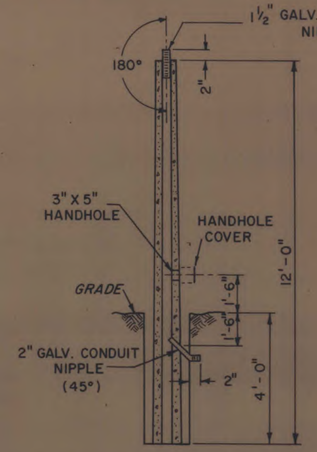
Recommended for approval by ___ Deputy Traffic Operations Engr.
Approved by ___ State Traffic Operations Engr.

DRAWING NO. Contract No. 3.
INDEX NO. 84

SECTION	CONTRACT	SOUTH CROSSTOWN EXPRESSWAY	SHEET NO.
10002	3503		T-8
By: WKC	TAMPA-HILLSBOROUGH COUNTY EXPRESSWAY AUTHORITY		Date: 1974



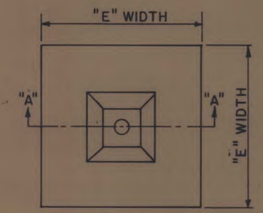
DETAIL OF CONCRETE PEDESTAL BASE



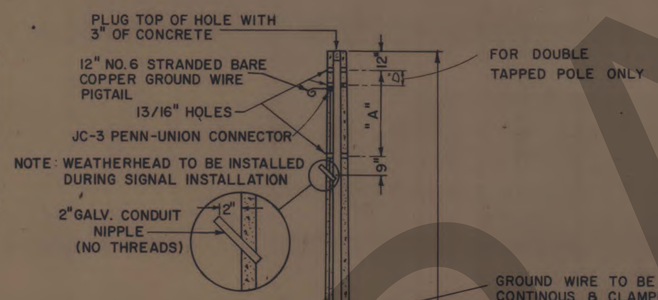
CONCRETE PEDESTAL TYPE II

POLE SCHEDULE

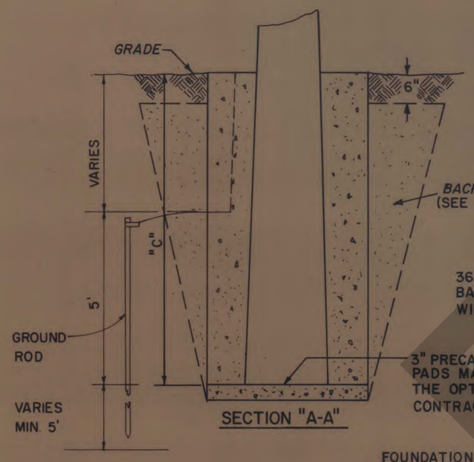
LOCATION	POLE NO	NO REQ'D	LENGTH	CLASS	A	B	C	D	ELEVATION TOP OF BASE
BAY TO BAY BLVD. & ESPERANZA AVE.	1	1	34'	V	4'-5"	6'-0"	7'-6"	1'-0"	18.35
	2	1	34'	V	4'-9"	5'-11"	7'-5"	1'-4"	18.60
	3	1	34'	V	4'-9"	5'-11"	7'-5"	—	18.60
	4	1	34'	V	4'-9"	5'-6"	7'-2"	0'-4"	18.35



FOUNDATION PLAN



DETAIL OF PRESTRESSED CONCRETE STRAIN POLES; TYPE V, VI, & VII



SECTION "A-A"

FOUNDATION NOTES

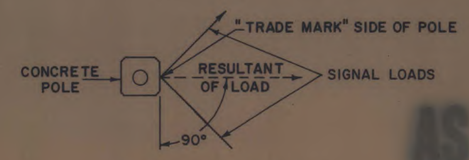
EXCAVATION & BACKFILL EXCAVATION AND BACKFILL FOR FOOTINGS SHALL BE IN ACCORDANCE WITH SECTION 125-8.2 WITH THE FOLLOWING EXCEPTION. IN LIEU OF THE REQUIREMENTS FOR OBTAINING THE SPECIFIED DENSITY, THE BACKFILL MAY BE HAND TAMPED IN FOUR INCH MAXIMUM LAYERS OR MACHINE TAMPED IN SIX INCH MAXIMUM LAYERS. THE MATERIAL SHALL BE NEITHER DRY NOR SATURATED. BACKFILLING MAY BE DONE WITH POURED CONCRETE AT THE OPTION OF THE CONTRACTOR.

CONCRETE FOOTING: TO BE POURED WITH CLASS "I" CONCRETE.

FORMS: SHALL BE IN ACCORDANCE WITH ARTICLE 700-8.3 (IF THE FOOTING IS POURED IN AN OVERSIZED HOLE, THE CONCRETE IN TOP SIX INCHES SHALL BE PLACED IN A FORM AND ALL EXPOSED SURFACES SHALL BE TROWELED TO A SMOOTH FINISH.

FOUNDATION SIZE REQUIREMENTS		
POLE TYPES	"E" WIDTH	"C" DEPTH
V	3'-0"	7'-0"
VI	3'-6"	8'-0"
VII	4'-0"	8'-0"

NOTE: THE DIMINSIONS ABOVE ARE MINIMUM.



POLE PLACEMENT PLAN

AS BUILT
APR 21 1976

AS BUILT

NO.	REVISION	BY	DATE

TAMPA-HILLSBOROUGH COUNTY EXPRESSWAY AUTHORITY

SOUTH CROSSTOWN EXPRESSWAY

POLE SCHEDULE

J.E. GREINER COMPANY—WATSON & COMPANY CONSULTING ENGINEERS TAMPA, FLORIDA

MADE JNC	DATE 1974	TRACED DJR	DATE 1974
CHECKED JNC	DATE 1974	SCALE	84/1

Contract No. 3.

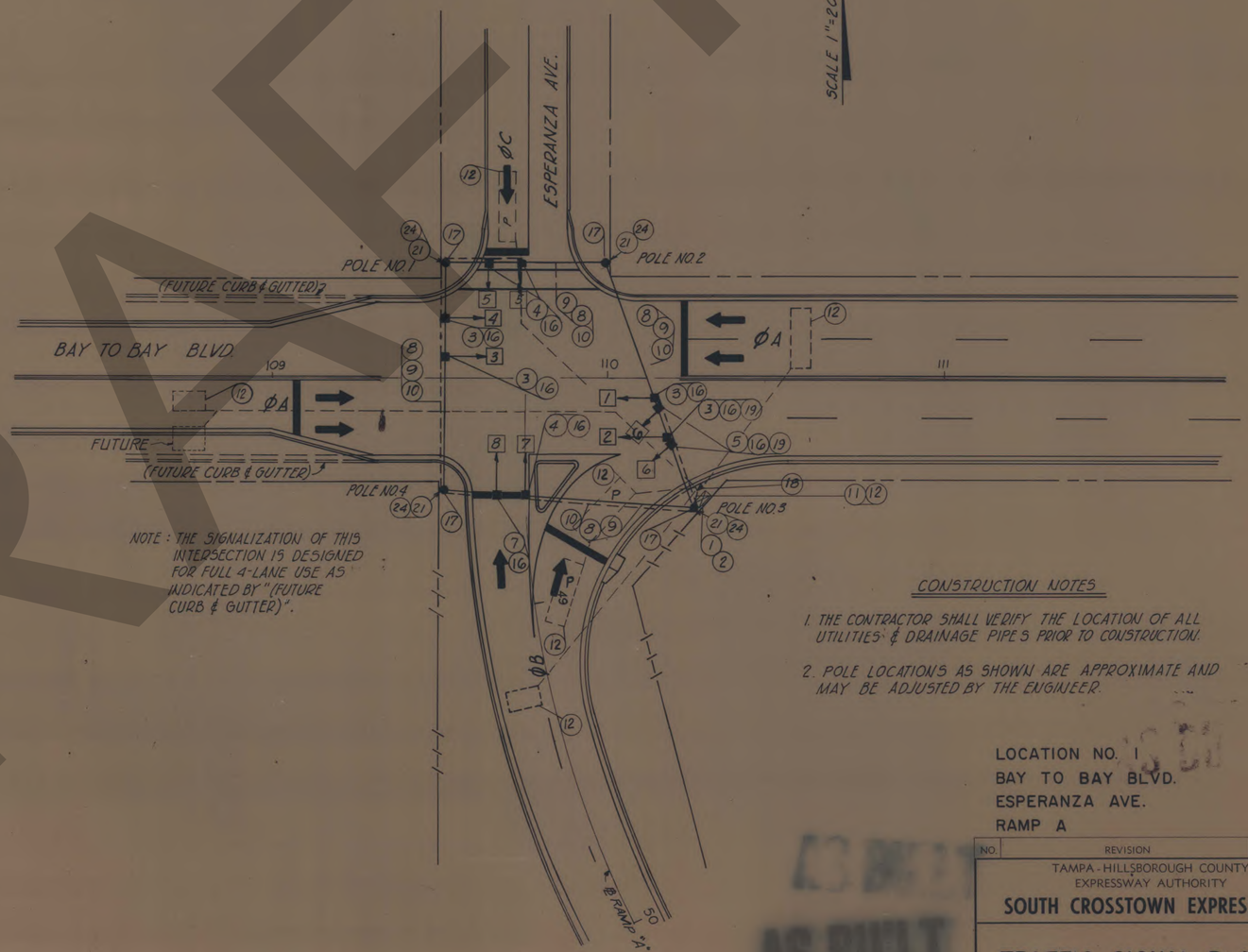
SECTION	CONTRACT	SOUTH CROSSTOWN EXPRESSWAY	SHEET NO.
10002	3503		T-9
By: WACO	TAMPA-HILLSBOROUGH COUNTY EXPRESSWAY AUTHORITY		Date: 1973

PHASE	INT.	SIGNAL FACE NO.'S 1,4	2,3	5	6	7	8	MOVEMENTS
ØA BAY TO BAY BLVD. (DWELL)	R/W	G	G	R	R	R	R	
	CLEAR TO ØB or ØC	Y	Y	R	R	R	R	
ØB RAMP "A" (ACTUATED)	R/W	R	R	←	↗	R	R	
	CLEAR TO ØC or ØA	R	R	Y	Y	R	R	
ØC ESPERANZA AVE. (ACTUATED)	R/W	R	R	R	R	←	→	
	CLEAR TO ØA or ØB	R	R	R	R	Y	Y	

SIGNAL OPERATION PLAN

CONTROLLER

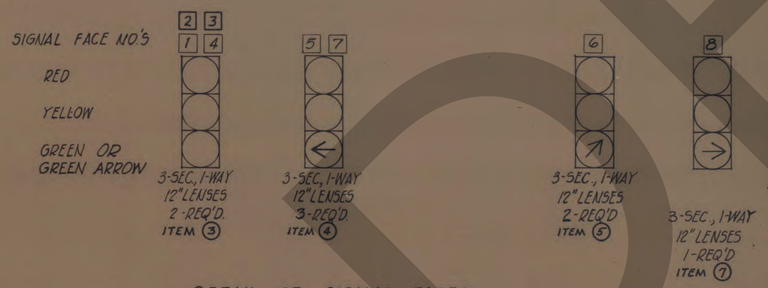
THREE(3) PHASE, FULLY ACTUATED, TYPE XIII, SOLID STATE MODULAR DESIGN, HOUSED IN A POLE MOUNTED CABINET. TO OPERATE AS SEMI-ACTUATED UNTIL FUTURE DEMANDS WARRANT FULL ACTUATION.



NOTE: THE SIGNALIZATION OF THIS INTERSECTION IS DESIGNED FOR FULL 4-LANE USE AS INDICATED BY "(FUTURE CURB & GUTTER)".

CONSTRUCTION NOTES

1. THE CONTRACTOR SHALL VERIFY THE LOCATION OF ALL UTILITIES & DRAINAGE PIPES PRIOR TO CONSTRUCTION.
2. POLE LOCATIONS AS SHOWN ARE APPROXIMATE AND MAY BE ADJUSTED BY THE ENGINEER.



DETAIL OF SIGNAL FACES

NOTE: SIGNAL FACES NO.2 & 6 ARE TO BE EQUIPT WITH 12" TUNNEL VISORS.

LOCATION NO. 1
BAY TO BAY BLVD.
ESPERANZA AVE.
RAMP A

NO.	REVISION	BY	DATE

TAMPA - HILLSBOROUGH COUNTY EXPRESSWAY AUTHORITY

SOUTH CROSSTOWN EXPRESSWAY

TRAFFIC SIGNAL PLAN

J. E. GREINER COMPANY — WATSON & COMPANY
CONSULTING ENGINEERS TAMPA, FLORIDA

MADE G.E.T. DATE 9-20-73 TRACED G.E.T. DATE
CHECKED J.N.C. DATE 10-28-73 SCALE As Shown

84/1

Contract No. 3.

AS BUILT
APR 21 1976

DRAFT

SECTION	CONTRACT	SOUTH CROSSTOWN EXPRESSWAY	SHEET NO.
10002	3503		T-10
By: WACO	TAMPA-HILLSBOROUGH COUNTY EXPRESSWAY AUTHORITY		Date: 5-74

PHASE	INT.	SIGNAL FACE NUMBERS 1	2	3	4	5	6	7	MOVEMENTS
ØA BAYSHORE BLVD.	R/W	G	G	G	↑	R	R	G	
	CL TO ØC	Y	Y	G	↑	R	R	G	
	CL TO ØB	Y	Y	Y	↑	R	R	Y	
ØC BAYSHORE BLVD.	R/W	R	R	G	↑	R	→	←	
	CL TO ØB	R	R	Y	↑	R	→	Y	
	CL TO ØA	R	R	G	↑	R	Y	Y	
ØB BAY TO BAY BLVD.	R/W	R	R	R	↑	↖	→	R	
	CL TO ØA	R	R	R	↑	Y	Y	R	
	CL TO ØC	R	R	R	↑	Y	→	R	

SIGNAL OPERATION PLAN

CONTROLLER

REMOVE EXISTING CONTROLLER AND REPLACE AT SAME LOCATION WITH THREE (3) PHASE, FULLY ACTUATED, TYPE XIII SOLID STATE MODULAR DESIGN

SIGNAL FACE NO'S 1 2 3 — 5 — 6 — 7 — 4

RED

YELLOW

GREEN OR GREEN ARROW

GREEN ARROW

	1 2 3	5	6	7	4
	3-SEC., 1-WAY	3-SEC., 1-WAY	3-SEC., 1-WAY	4-SEC., 1-WAY	1-SEC., 1-WAY
(See Notes 1-3)	G-EXISTING 3-REQ'D.	1-REQ'D.	1-REQ'D.	2-REQ'D ITEM (23)	1-REQ'D. 1-EXISTING

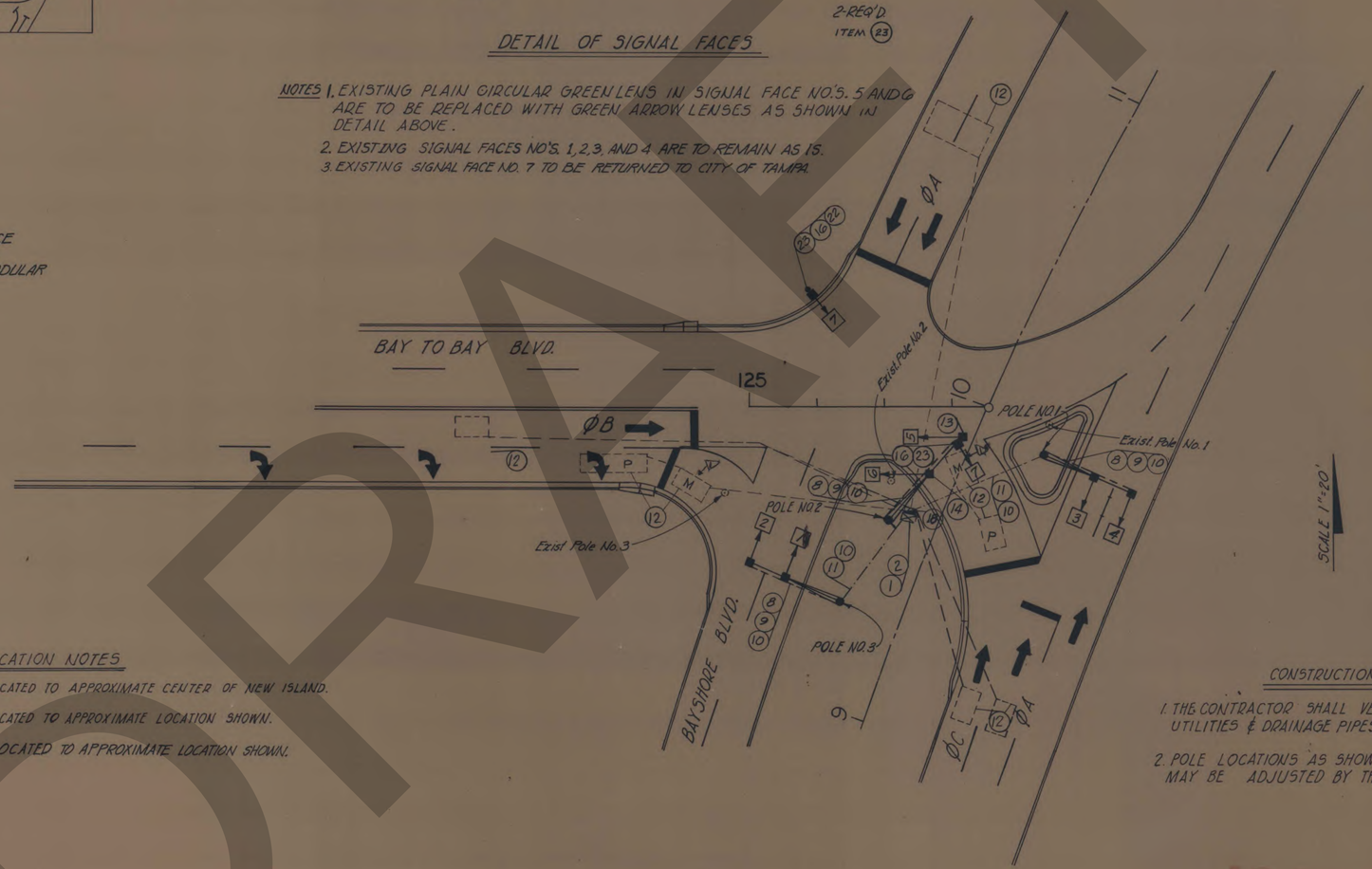
{SEE NOTE NO.1 BELOW}

DETAIL OF SIGNAL FACES

NOTES 1. EXISTING PLAIN CIRCULAR GREEN LENS IN SIGNAL FACE NO'S. 5 AND 6 ARE TO BE REPLACED WITH GREEN ARROW LENSES AS SHOWN IN DETAIL ABOVE.

2. EXISTING SIGNAL FACES NO'S. 1, 2, 3, AND 4 ARE TO REMAIN AS IS.

3. EXISTING SIGNAL FACE NO. 7 TO BE RETURNED TO CITY OF TAMPA.



POLE RELOCATION NOTES

1. POLE NO. 1 TO BE RELOCATED TO APPROXIMATE CENTER OF NEW ISLAND.
2. POLE NO. 2 TO BE RELOCATED TO APPROXIMATE LOCATION SHOWN.
3. POLE NO. 3 TO BE RELOCATED TO APPROXIMATE LOCATION SHOWN.

CONSTRUCTION NOTES

1. THE CONTRACTOR SHALL VERIFY THE LOCATION OF ALL UTILITIES & DRAINAGE PIPES PRIOR TO CONSTRUCTION.
2. POLE LOCATIONS AS SHOWN ARE APPROXIMATE AND MAY BE ADJUSTED BY THE ENGINEER.

LOCATION NO. 2
BAY TO BAY BLVD.
BAYSHORE BLVD.

DRAFT

AS BUILT
APR 21 1976

NO	REVISION	BY	DATE
1	P-Loop To M-Loop	CMS	3-20-75

NO	REVISION	BY	DATE

TAMPA - HILLSBOROUGH COUNTY EXPRESSWAY AUTHORITY

SOUTH CROSSTOWN EXPRESSWAY

TRAFFIC SIGNAL PLAN

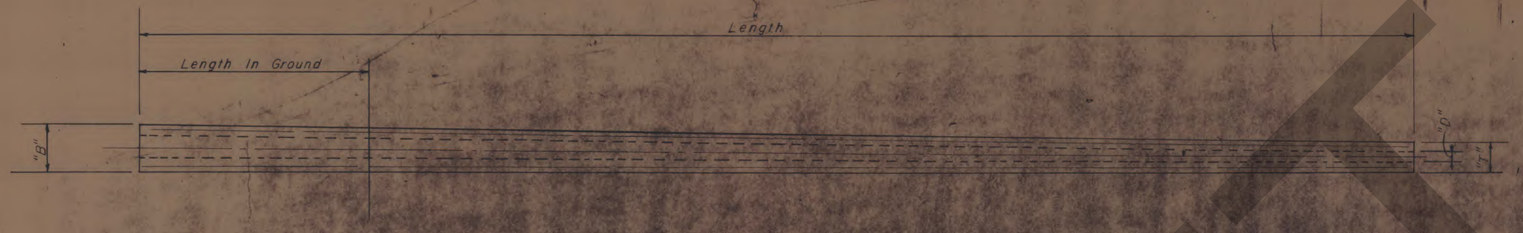
J. E. GREINER COMPANY — WATSON & COMPANY
CONSULTING ENGINEERS TAMPA, FLORIDA

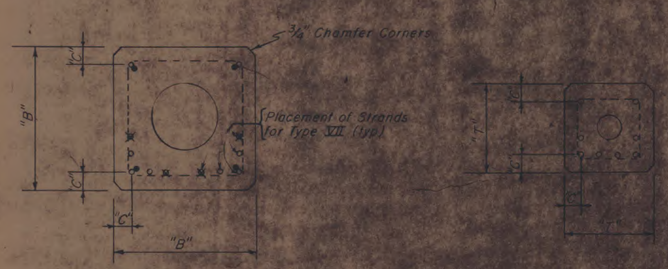
MADE G.E.T. DATE 9-19-73 CHECKED JNC DATE 5-74
TRACED G.E.T. DATE 9-19-73 SCALE 1" = 20'

Contract No. 3.

84/1

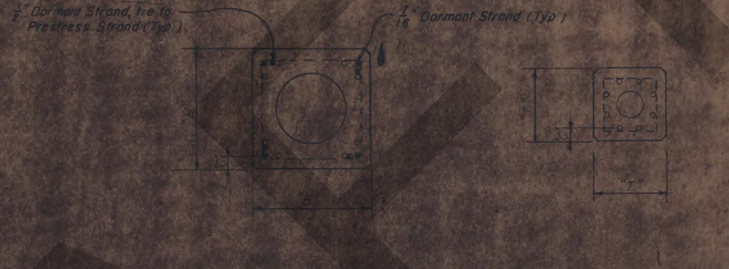
FED. ROAD DIV. NO.	STATE	PROJECT NO.	FISCAL YEAR	SHEET NO.
3	FLA.	1002-3503		7-11





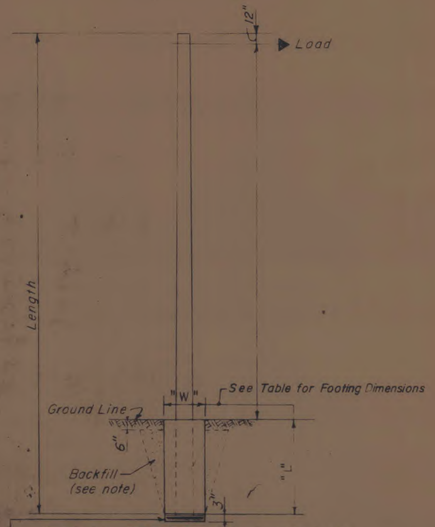
SECTION AT BOTTOM SECTION AT TOP

TYPICAL SECTION FOR TYPE V, VI and VII
(STRANDS ECCENTRICALLY PLACED)



SECTION AT BOTTOM SECTION AT TOP

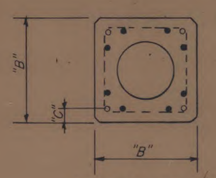
TYPICAL SECTION FOR TYPE IV
(STRANDS SYMMETRICALLY PLACED)



SIGNAL STRAIN POLE LOADING

At The Option of The Contractor a 3" Precast Leveling Pad May be Used

TYPE	DESIGNATION	SIZE AT TOP "T"	SIZE AT BOTTOM "B"	OUTSIDE POLE TAPER	HOLE DIA. "D" AT TOP	MANDREL DETAIL	STRAND TAPER "C"	NO. OF STRANDS	SIZE & TYPE STRAND	LOAD WITH NO CRACKING	MINIMUM ULTIMATE LOAD CAPACITY	APPLICATION OF LOAD	f'_c	f_{ci}	FOOTING DIMENSIONS "W & L"	SHIELDING (From Top)	SHEAR REINFORCING (From Bottom)	DORMANT STRANDS
SIGNAL STRAIN POLES	VII	14" Sq.	Size at Top + (Lg. x Taper)	.16"/Ft.	2.87" ø (Per Mandrel Detail)	Per Pres. MFG	Min. Cover 1" of Conc.	12	½" ø Strands 270 K	7000#	10,000 ± # (Min.)	16 Inches From Top	6000psi	4000psi	3.5'x3.5'x9.0'	Shield 2 at 10' Shield 2 at 26'	3 Wire @ 3" @ 9' up 5 Ga Spiral @ 6" Remainder	4 - ½" ø Tie to Corner
	VI	13" Sq.	Size at Top + (Lg. x Taper)	.16"/Ft.	3" ± ø (Per Mandrel Detail)	Per Pres. MFG	Min. Cover 1" of Conc.	8	½" ø Strands 250 K	5000#	8000 ± # (Min.)	12 Inches From Top	6000psi	4000psi	3.5'x3.5'x8.0'	Shield 2 at 12'	3 Wire @ 3" @ 9' up 5 Ga Spiral @ 6" Remainder	4 - ½" ø Tie to Corner
	V	10" Sq.	Size at Top + (Lg. x Taper)	.16"/Ft.	2.87" ± ø (Per Mandrel Detail)	Per Pres. MFG	Min. Cover 1" of Conc.	8	½" ø Strands 250 K	3500#	6000 ± # (Min.)	12 Inches From Top	6000psi	4000psi	3'x3'x7.0'	Shield 2 at 6' Shield 2 at 21'	3 Wire @ 3' @ 10' up 5 Ga Spiral @ 6" Remainder	4 - ½" ø Tie to Corner
	IV	8.25" Sq.	Size at Top + (Lg. x Taper)	.16"/Ft.	3" ± ø (Per Mandrel Detail)	Per Pres. MFG	Min. Cover 1" of Conc.	8	½" ø A.S.T.M. 250 K	1850 #	3000 ± # (Min.)	12 Inches From Top	6000psi	4000psi	3'x3'x6.0'	Shield 2 at 6' Shield 2 at 12'	5 Ga Spiral @ 6"	4 - 7/16" ø Ea Cor R 4 - ½" ø Tie To Press.
LIGHT POLES	II	6" Sq.	Size at Top + (Lg. x Taper)	.16"/Ft.	2" ø (Per Mandrel Detail)	Per Pres. MFG	Min. Cover 1" of Conc.	4	½" ø A.S.T.M. 250 K	900#	1200 ± # (Min.)	2' Feet From Top	6000psi	4000psi	3'x3'x6.0'		9 Ga Spiral @ 6"	8 - 7/16" ø
	II	64" Round	Size at Top + (Lg. x Taper)	.16"/Ft.	2" ø (Per Mandrel Detail)	Per Pres. MFG	Min. Cover 1" of Conc.	4	½" ø A.S.T.M. 250 K	900#	1200 ± # (Min.)	2 Feet From Top	6000psi	4000psi	3'x3'x6.0'	Shield 2 at 6' Shield 2 at 12'		4 - #4 Bars



SECTION AT BOTTOM SECTION AT TOP

TYPICAL SECTION FOR TYPE II
(STRANDS SYMMETRICALLY PLACED)

*Steel strand used to prestress the Concrete shall not be tensioned above 70% of the rated ultimate strength.

SYMBOLS

- O Placement of Prestressed Strands
- ⊗ Placement of Prestressed Strands for Type VII
- ● Placement of Dormant Strands

FOOTING NOTES:

EXCAVATION AND BACKFILL

Excavation and Backfill for the Footings shall be in accordance with section 125-8.2 with the exception that for the Backfill, in lieu of the requirements for obtaining the specified density, The Backfill may be handtamped in four inch maximum layers or machine tamped in six inch maximum layers. The material should be neither dry nor saturated. At the Contractor's option Backfilling may be done with poured concrete.

FORMS Shall be in accordance with Article 700-8.3.

AS BUILT APR 21 1976

SIGNAL STRAIN POLES & LIGHT POLE

STATE ROAD DEPARTMENT OF FLORIDA
STRUCTURES DIVISION

PRESTRESSED CONCRETE POLES

REVISIONS	
Dates	Descriptions
10-68	Revised Pole Footing
10-68	Leveling Pad Option Added
12-69	64" Round Light Pole Added
02-70	Revised Footing Dimension
08-71	250K in Lieu 270K

ROAD NO.	COUNTY	PROJECT NO.

	Name	Date
Detailed by	C.W.B.	5-15-68
Checked by	A.J.H.	5-27-68
Quantities by		
Checked by		
Traced by		

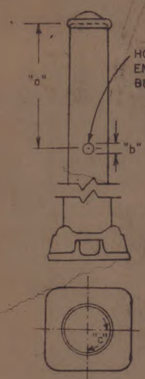
APPROVED BY: T. Alberdi
Engineer of Structures

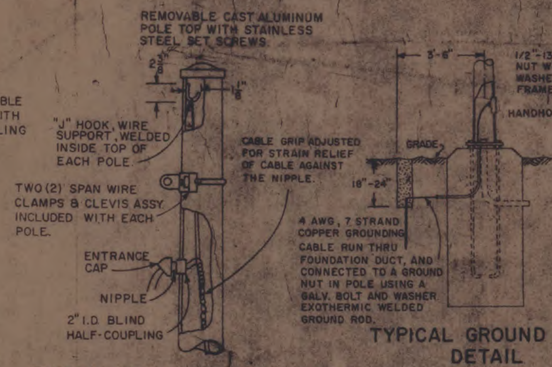
Drawing No. 1 of 1 | Index No. 9821

Contract No. 3.

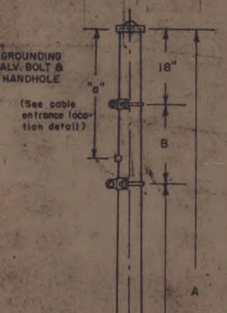
84/1

FED. ROAD DIV. NO.	STATE	PROJECT NO.	FISCAL YEAR	SHEET NO.
3	FLA.	10002-3503		T-12





TYPICAL CABLE STRAIN RELIEF & ENTRANCE CAP DETAILS



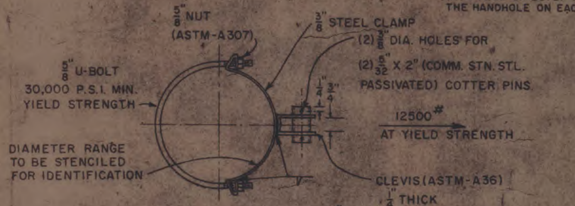
TYPICAL GROUND ROD DETAIL

POLE DETAIL

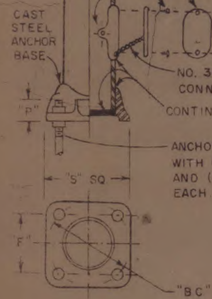
NOTE:
2" I.D. BLIND HALF-COUPLING WITH PLUG DIRECTLY ABOVE THE HANDHOLE ON EACH POLE.

CONFIG.	"a"	"b"	"c"
A	30"	2"	90°
B	30"	2"	180°
C	30"	2"	270°
D	48"	2"	90°
E	48"	2"	180°
F	48"	2"	270°
G	NO HOLE REQUIRED		

CABLE ENTRANCE LOCATION DETAIL

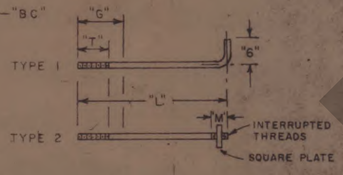


4"X 8" CURVED HANDHOLE WITH REINFORCED FRAME COVER COMPLETE WITH 1/2"-13 NC 2 TAPPED LUG INSIDE FOR GROUND ATTACHMENT



TYPE	RANGE MIN.	RANGE MAX.	NOM. CLAMP SIZE
I	5.2"	5.8"	5"
II	5.8"	6.8"	6"
III	6.8"	7.9"	7"
IV	7.9"	9.0"	8"
V	9.0"	10.1"	9"
VI	10.1"	11.3"	10"
VII	11.3"	12.1"	11"
VIII	12.1"	13.4"	12"

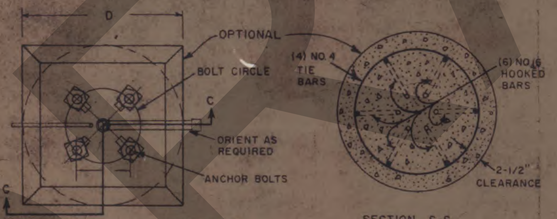
SPAN WIRE CLAMP DETAILS



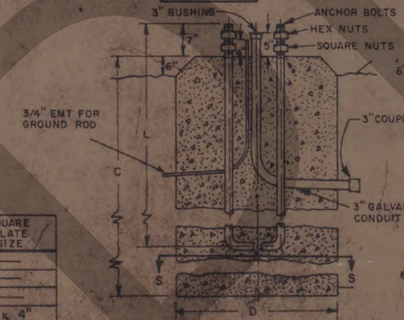
POLE DIA.	"B.C."	"F"	"S"	"P"	ANCHOR BOLT DATA SIZE	"L"	"T"	"G"	"M"	TYPE	SQUARE PLATE SIZE
10" †	13-1/2"	9-9/16"	14-1/8"	3-3/8"	1-1/2" x 60"	54"	9"	14"	—	1	—
11" †	15"	10-5/8"	15-3/8"	3-5/8"	1-3/4" x 90"	84"	9"	14"	—	1	—
12" †	16"	11-3/16"	17"	4"	1-3/4" x 90"	84"	9"	14"	—	1	—
13" †	18"	12 3/4"	18-1/2"	4-1/4"	2" x 90"	90"	9"	15"	1-3/4"	2	1" x 4"
14" †	20"	14-1/8"	20-1/2"	4-3/4"	2" x 90"	90"	9"	15"	3/4"	2	1" x 4"
14" *	22"	15-1/2"	23"	5 1/4"	2-1/4" x 96"	96"	10"	16"	2"	2	1-1/4 x 4-1/2" □

* 2 ply 7 Ga. † 3 Ga. & 0 Ga.

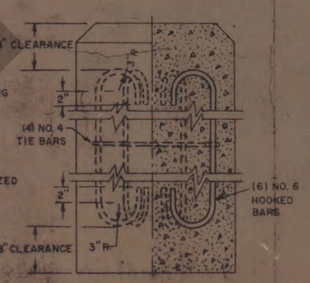
TYPICAL HANDHOLE, ANCHOR BASE & ANCHOR BOLT DETAILS



SECTION S-S



TYPICAL STRAIN POLE FOUNDATION



SECTION C-C
TYPICAL REINFORCING STEEL SECTIONS

POLE SCHEDULE

LOCATION NO.	POLE NO.	(POLE LENGTH) "A"	POLE TYPE	"B"	CABLE ENTRANCE CONFIGURATION	"C"	"D"	CLAMP TYPE Upper	CLAMP TYPE Lower	NUMBER REQUIRED POLES	NUMBER REQUIRED CLAMPS Upper	NUMBER REQUIRED CLAMPS Lower
1	1	28	A	4'-9"	E	6'-0"	30"	II	III	1	2	1
1	2	28	A	5'-0"	G	6'-0"	30"	II	III	1	2	1
1	3	28	A	5'-0"	F	6'-0"	30"	II	III	1	1	1
1	4	28	A	4'-9"	E	6'-0"	30"	II	III	1	1	1

FOUNDATION DATA

POLE TYPE	"C"	"D"
A	6'-0"	30"
B	7'-0"	30"
C	7'-0"	36"
D	8'-0"	36"
E	8'-0"	42"
F	6'-0"	30"
G	7'-0"	30"
H	7'-0"	36"
I	8'-0"	36"
J	8'-0"	42"
K	8'-0"	42"

ANCHOR BASE TYPE STEEL STRAIN POLE CHART

OVERALL LENGTH	TYPE	BASE DIAMETER (INCHES)	WALL THICKNESS (GAUGE)	LOAD AT YIELD STRESS (LBS.)	DEFLECTION PER 100 LBS. (INCHES)
26 Ft.	A	10	.2500 (3 Ga.)	3400	.45
	B	11		4160	.32
	C	12		4960	.24
	F	10	.3125 (0 Ga.)	4180	.37
	G	11		5120	.26
	H	12		6100	.19
28 Ft.	A	10	.2500 (3 Ga.)	3140	.57
	B	11		3840	.41
	C	12		4590	.31
	H	12	.3125 (0 Ga.)	5640	.25
	I	13		6650	.19
	J	14		7750	.15
30 Ft.	A	10	.2500 (3 Ga.)	2920	.74
	B	11		3560	.53
	C	12		4260	.39
	D	13		5030	.30
	H	12	.3125 (0 Ga.)	5250	.32
	I	13		6200	.24
	J	14		7200	.19
32 Ft.	B	11	.2500 (3 Ga.)	3335	.66
	C	12		3990	.49
	D	13		4700	.37
	H	12	.3125 (0 Ga.)	4910	.40
	I	13		5800	.30
	J	14		6760	.24
	K	14	.3586 (2 ply 7Ga)	7650	.21
34 Ft.	C	12	.2500 (3 Ga.)	3740	.61
	D	13		4420	.46
	E	14		5140	.36
	H	12	.3125 (0 Ga.)	4610	.50
	I	13		5440	.38
	J	14		6340	.30
	K	14	.3586 (2 ply 7Ga)	7000	.26
36 Ft.	C	12	.2500 (3 Ga.)	3530	.75
	D	13		4160	.57
	E	14		4840	.44
	H	12	.3125 (0 Ga.)	4340	.61
	I	13		5120	.46
	J	14		5970	.36
	K	14	.3586 (2 ply 7Ga)	6790	.31
38 Ft.	C	12	.2500 (3 Ga.)	3330	.92
	D	13		3930	.69
	E	14		4570	.53
	H	12	.3125 (0 Ga.)	4100	.77
	I	13		4830	.58
	J	14		5630	.45
	K	14	.3586 (2 ply 7Ga)	6420	.38

MATERIAL SPECIFICATIONS

1. Tapered tubes (S.A.E.-1020 Steel processed to minimum yield stress of 55,000 lbs P.S.I.
2. Cast anchor base and handhole frame, ASTM-A27, Grade 65-35.
3. Handhole cover plate, 11 gauge steel, S.A.E.-1015.
4. Cast aluminum pole top, aluminum alloy 43.
5. Span wire clamp, low alloy, high strength steel ASTM-A242 or 375, load producing distortion 12,500 lbs. direct tension.
6. All bolts and nuts less than 5/8" diameter passivated stainless steel AISI-300 series, commercial grade.
7. All bolts and nuts 5/8" dia. and over, ASTM-A307 and galvanized in accordance with ASTM-A153.
8. Anchor base and U-bolts, high strength steel minimum yield stress 55,000 lbs P.S.I.
9. Welding rod, ASTM-A233, class E60XX or 70XX.
10. Galvanizing, as per ASTM-A123.
11. Painting, when specified, inside of poles red lead primer. Outside of poles zinc chromate, iron oxide primer.
12. The taper shall be 0.14 of an inch per linear foot, measured as change in diameter.

APR 21 1976

AS BUILT

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION
TRAFFIC OPERATIONS

STEEL STRAIN POLE DETAIL

REVISIONS Dates	Descriptions

ROAD NO.	COUNTY	PROJECT NO.

	Names	Dates
Detailed by		
Checked by		
Quantities by		
Checked by		
Traced by		

Recommended For Approval by: A. W. Conley, Traffic Operations Engineer
APPROVED BY: [signature], State Traffic Operations Engineer

Drawing No. | Sheet No. 1 OF 1

84

Contract No. 3.

THIS CONTRACT INCLUDES:

1. ROADWAY PLANS
2. ROADWAY SIGNING PLANS
3. LIGHTING PLANS L1 - L8
4. BRIDGE & RETAINING WALL PLANS

TAMPA - HILLSBOROUGH C
EXPRESSWAY AUTHOR

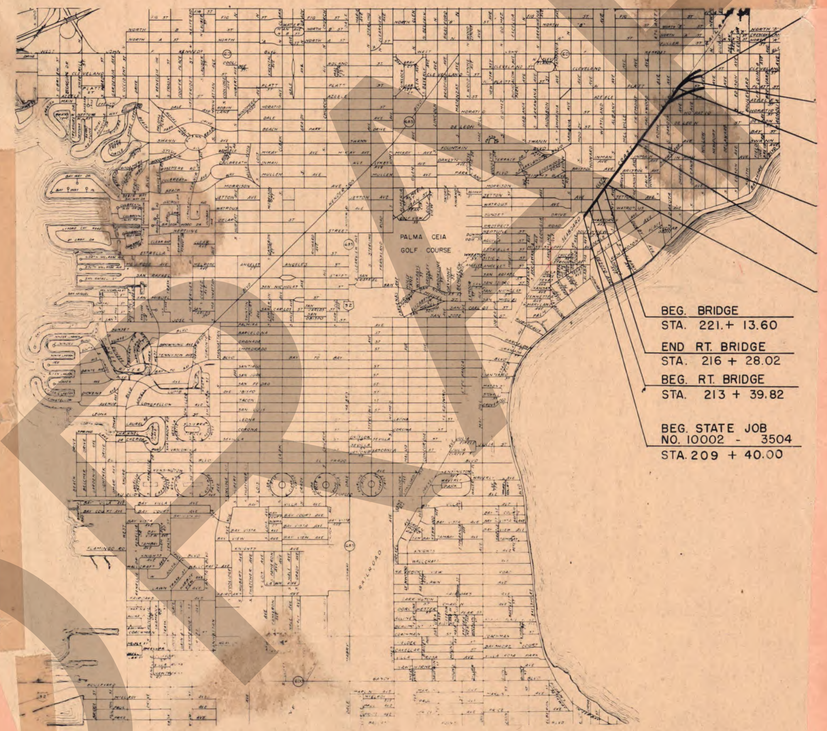
—PLANS OF PROPOSED—

STATE JOB NO. 10002-3504-032

SOUTH CROSSTOWN EXP

STATE ROAD NO. 449

HILLSBOROUGH COUNTY TAMPA, FLORIDA



CONTRACT NO. 4

FROM SOUTH OF WATROUS AVE.
TO WILLOW AVE.

Greiner Engineering Sciences, Inc. - WATSON AND COMPANY

Consulting Engineers
To The Tampa - Hillsborough County Expressway Authority

P.O. BOX 23646
TAMPA, FLORIDA 33622
813/879-1711

CONTRACT NUMBER 4 - State Job No. 10002-3504

Description	Drawing Number Sheet No.
Cover Sheet - From S. of Watrous to Willow Avenue	1
Drainage Map	2 and 3
Alignment Control	4
Typical Section	5
Miscellaneous Details	6
Drainage Details Inlet Type BW	7
Summary of Quantities	8
Plan and Profile	9 through 15
Terminal Details Ramp "A"	16-16A & 17
Plan and Profile	18
Terminal Details Ramp "B"	19 and 20
Plan and Profile	21 through 28
Retention Area Details	70

Total No. MYLAR SHEETS 30.

DRAFT

AS BUILT

SECTION	CONTRACT	SOUTH CROSSTOWN EXPRESSWAY	SHEET NO.
10002	3504		1
By WACO		TAMPA-HILLSBOROUGH COUNTY EXPRESSWAY AUTHORITY	Date 1973

TAMPA - HILLSBOROUGH COUNTY EXPRESSWAY AUTHORITY

THIS CONTRACT INCLUDES:

1. ROADWAY PLANS
2. ROADWAY SIGNING PLANS
3. LIGHTING PLANS L1 - L8
4. BRIDGE & RETAINING WALL PLANS

—PLANS OF PROPOSED—

STATE JOB NO. 10002-3504-032

SOUTH CROSSTOWN EXPRESSWAY

STATE ROAD NO. 449

HILLSBOROUGH COUNTY TAMPA, FLORIDA

INDEX OF ROADWAY PLANS

SHEET NO.	SHEET DESCRIPTION
1	Key Map
2 - 3	Drainage Map
4	Alignment Control
5	Typical Sections
6	Miscellaneous Details
7	Drainage Details (Inlet Type BW)
8	Summary Of Quantities
9	Maps Diagram
10 - 13	Plan and Profile (Main Line)
14 - 15	Plan and Profile (Platt St.)
16 - 21	Interchange
22 - 28	Drainage Structures
29	Soil Classification
30 - 55	Cross Sections (Main Line)
56 - 59	Cross Sections (Ramp "A")
60 - 64	Cross Sections (Ramp "B")
65 - 69	Cross Sections (Platt St.)
70	Retention Area Details
71 - 87	Approach Slabs
88	Borrow Pit
89 - 92	Right-Of-Way Maps

INDEX NO.	STANDARD DRAWINGS
194	Standard Abbreviations (2-Sheets)
195	Standard Symbols For Key Maps & Plan Sheets (3-Sheets)
1101 -W	Miscellaneous Roadway Construction Details (2-Sheets)
1129 -G	U-Endwalls For Pipe Culverts (3-Sheets)
2300-R	Guardrail Construction (4-Sheets)
5010 -H	Superelevation Details
5016 -B	Turnout Details.
5047 -G	Inlet, Manhole & Junction Box Type P and J (2-Sheets)
5049 -A	Inlet Type Z.
5061 -E	Miscellaneous Drainage Details (2-Sheets)
5072 -G	Details Of Fencing (2-Sheets)
5073 -L	Standard Details For Ramp Terminals (3-Sheets)
5080 -G	Curb, Curb & Gutter, & Traffic Separator (2-Sheets)
5086 -A	Shoulder Gutter Type Y
5046 -D	Standard Ditch Bottom Inlet, Types C, D, E & H, And Supplemental Details.

GENERAL SPECIFICATIONS

FLORIDA DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION - 1973 OR AS MODIFIED BY THE CONTRACT SPECIAL PROVISIONS.





2000 FT.

LENGTH OF PROJECT		
	LINEAR FT.	MILES
ROADWAY	4564.15	0.864
BRIDGES	947.21	0.179
NET LENGTH	5511.36	1.044
EXCEPTIONS	0.00	0.000
GROSS LENGTH	5511.36	1.044

*NOTE: LENGTH OF ROADWAY AND BRIDGES BASED ON RIGHT ROADWAY.

ATTENTION IS DIRECTED TO THE FACT THAT THESE PLANS MAY HAVE BEEN REDUCED IN SIZE BY REPRODUCTION. THIS MUST BE CONSIDERED WHEN OBTAINING SCALED DATA.

AS BUILT
APR 21 1976

APPROVAL RECOMMENDED JAN. 3, 1974
BY Donald R. Weidemann
J.E.GREINER CO., INC. - WATSON AND COMPANY

APPROVED 1-3-74
BY Bob Lester
CHAIRMAN
TAMPA-HILLSBOROUGH COUNTY EXPRESSWAY AUTHORITY

CONTRACT NO. 4

FROM SOUTH OF WATROUS AVE.
TO WILLOW AVE.

WATSON AND COMPANY
CONSULTING ENGINEERS
TAMPA, FLORIDA

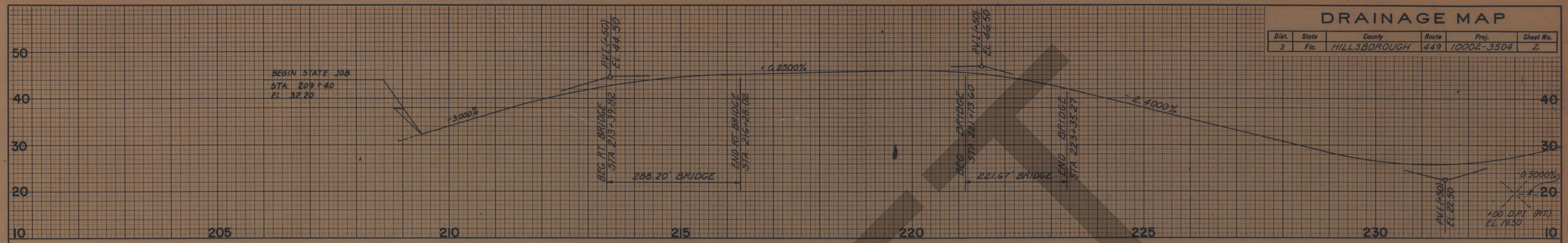
SUBMITTED W Dale Lester DATE 1-3-74

Contract No. 4.

84/1

DRAINAGE MAP

Dist.	State	County	Route	Proj.	Sheet No.
3	Fla.	HILLSBOROUGH	449	10002-3504	2.





AS BUILT

APR 21 1976

Contract No. 4

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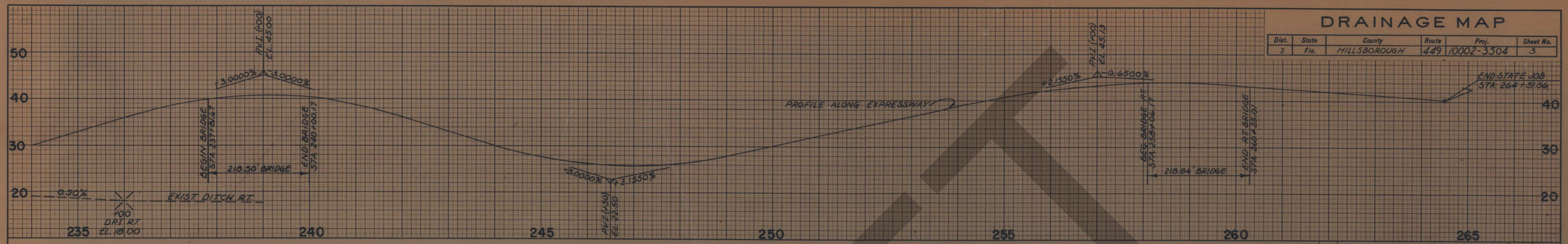
1

DRAINAGE MAP

Dist.	State	County	Route	Proj.	Sheet No.
3	Fla.	HILLSBOROUGH	449	10002-3504	3



NO	REVISION	BY	DATE
1	Moved D-37, D-38 & D-39 Removed D-33, Added D-39A	MF	6/26/76

SCALE: 1" = 100'



DRAFT

AS BUILT

APR 21 1976

Contract No. 4

84 / 1

SECTION	CONTRACT	SOUTH CROSSTOWN EXPRESSWAY	SHEET NO.
10002	3504		4
By WACO	TAMPA-HILLSBOROUGH COUNTY EXPRESSWAY AUTHORITY		Date: 1972

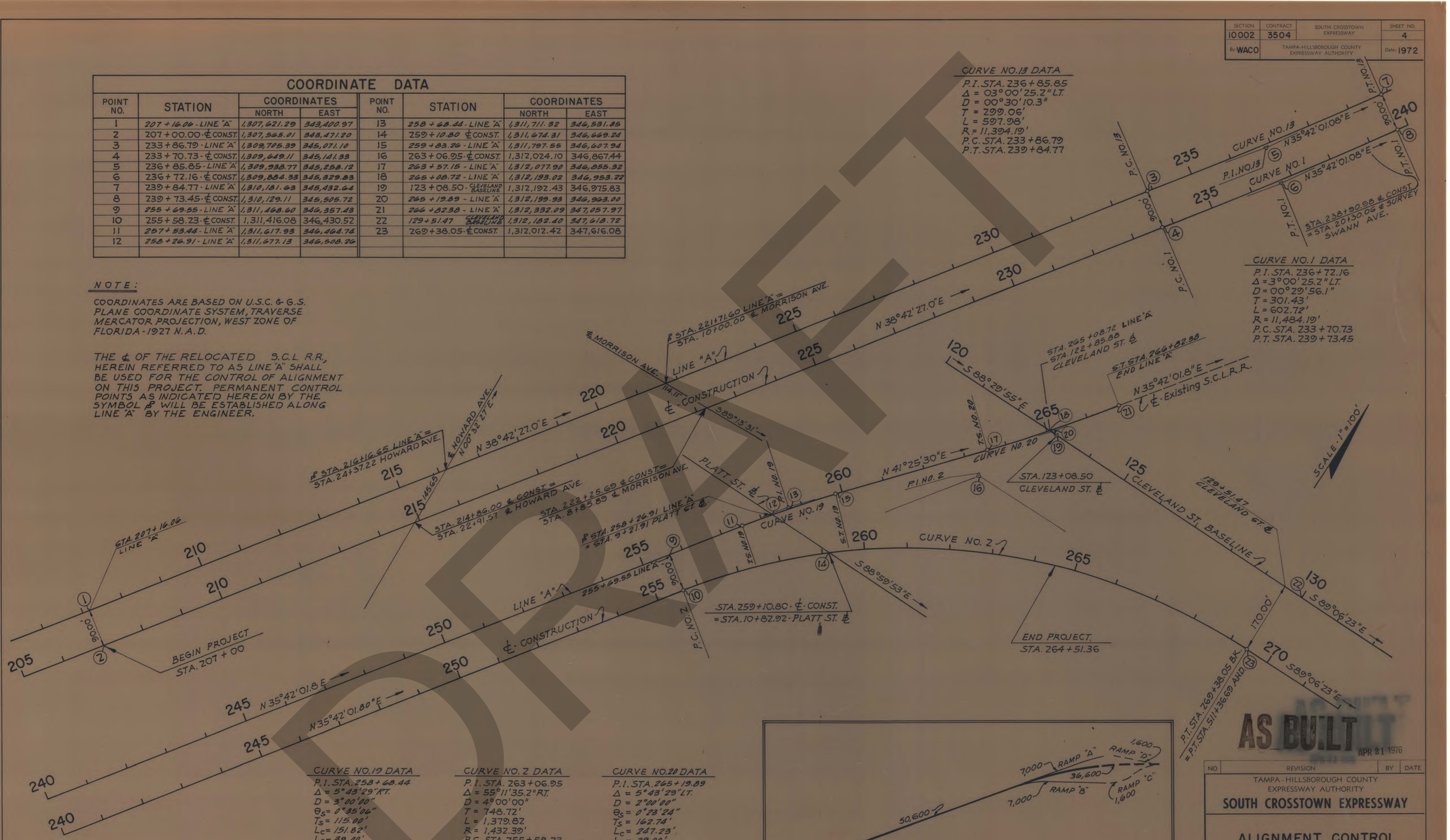
COORDINATE DATA

POINT NO.	STATION	COORDINATES NORTH	COORDINATES EAST	POINT NO.	STATION	COORDINATES NORTH	COORDINATES EAST
1	207+16.06 - LINE "A"	1,307,621.29	343,400.97	13	258+68.44 - LINE "A"	1,311,711.32	346,531.85
2	207+00.00 - ℄ CONST.	1,307,565.01	343,471.20	14	259+10.80 ℄ CONST.	1,311,674.31	346,669.24
3	233+86.79 - LINE "A"	1,309,705.39	345,071.10	15	259+83.26 - LINE "A"	1,311,787.55	346,607.94
4	233+70.73 - ℄ CONST.	1,309,649.11	345,141.33	16	263+06.95 - ℄ CONST.	1,312,024.10	346,867.44
5	236+85.85 - LINE "A"	1,309,938.77	345,258.12	17	263+57.15 - LINE "A"	1,312,077.90	346,855.32
6	236+72.16 - ℄ CONST.	1,309,884.33	345,329.83	18	265+08.72 - LINE "A"	1,312,193.02	346,953.22
7	239+84.77 - LINE "A"	1,310,181.63	345,432.64	19	123+08.50 - CLEVELAND BASELINE	1,312,192.43	346,975.83
8	239+73.45 - ℄ CONST.	1,310,129.11	345,505.72	20	265+19.89 - LINE "A"	1,312,199.93	346,963.00
9	255+69.55 - LINE "A"	1,311,468.60	346,357.43	21	266+82.38 - LINE "A"	1,312,332.09	347,057.97
10	255+58.23 - ℄ CONST.	1,311,416.08	346,430.52	22	129+51.47 CLEVELAND BASELINE	1,312,182.40	347,618.72
11	257+53.44 - LINE "A"	1,311,617.93	346,464.74	23	269+38.05 - ℄ CONST.	1,312,012.42	347,616.08
12	258+26.91 - LINE "A"	1,311,677.13	346,508.26				

NOTE:

COORDINATES ARE BASED ON U.S.C. & G.S. PLANE COORDINATE SYSTEM, TRAVERSE MERCATOR PROJECTION, WEST ZONE OF FLORIDA - 1927 N.A.D.

THE ℄ OF THE RELOCATED S.C.L. R.R., HEREIN REFERRED TO AS LINE "A" SHALL BE USED FOR THE CONTROL OF ALIGNMENT ON THIS PROJECT. PERMANENT CONTROL POINTS AS INDICATED HEREON BY THE SYMBOL ℄ WILL BE ESTABLISHED ALONG LINE "A" BY THE ENGINEER.



DRAFT

AS BUILT
APR 21 1976

NO	REVISION	BY	DATE

TAMPA - HILLSBOROUGH COUNTY EXPRESSWAY AUTHORITY

SOUTH CROSSTOWN EXPRESSWAY

ALIGNMENT CONTROL

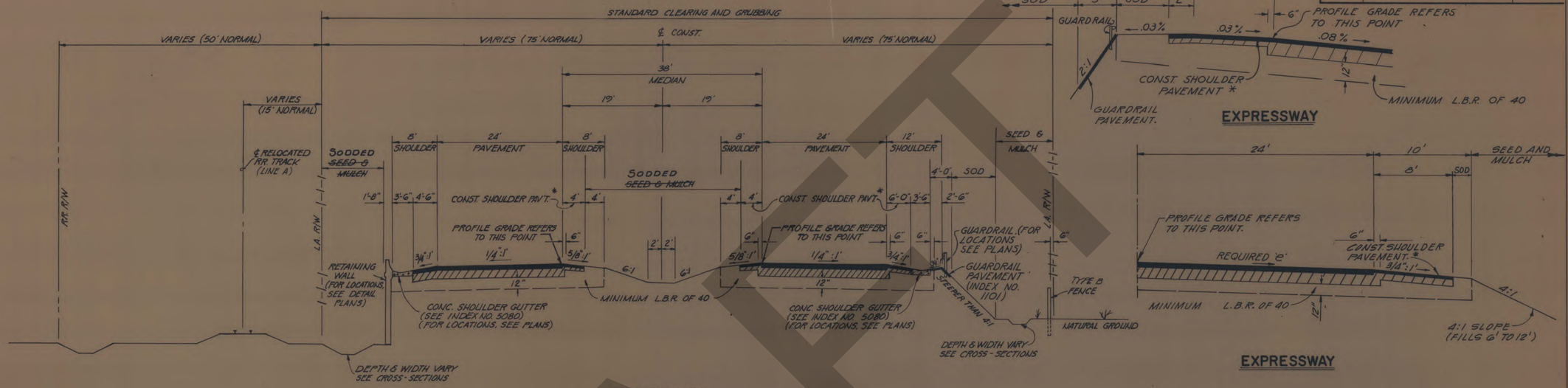
J. E. GREINER COMPANY — WATSON & COMPANY
CONSULTING ENGINEERS TAMPA, FLORIDA

MADE J.L.H. DATE 1972 TRACED E.T. DATE 1972
CHECKED J.L.H. DATE 1972 SCALE 1"=100'

Contract No. 4

84 / 1

SECTION	CONTRACT	SOUTH CROSSTOWN EXPRESSWAY	SHEET NO.
10002	3504		5
By: WACO		TAMPA-HILLSBOROUGH COUNTY EXPRESSWAY AUTHORITY	Date: 1973

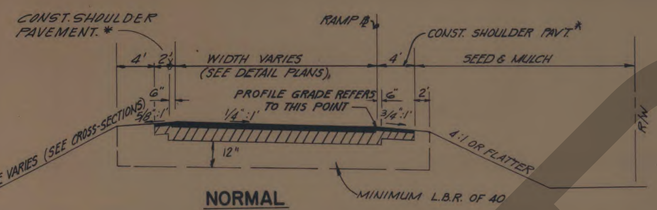


EXPRESSWAY

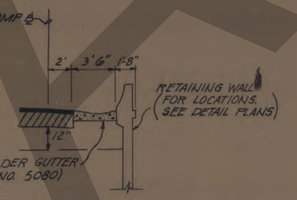
DESIGN SPEED 50 M.P.H.
LIMEROCK BASE (10" THICK, DOUBLE COURSE) PRIMED, WITH TYPE S-1 ASPHALTIC CONC. (2" THICK) AND ASPHALTIC CONC. WEARING COURSE (1" THICK).

EXPRESSWAY

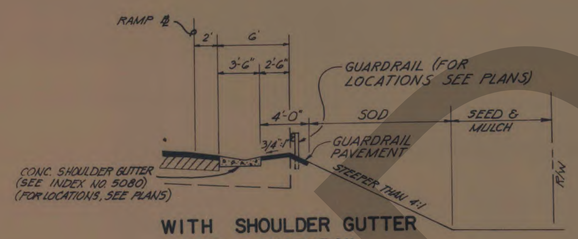
* NOTE
ALT. - SHOULDER PAVEMENT WILL BE EITHER LIMEROCK BASE (6" THICK) PRIMED, WITH (TYPE S-I) ASPHALTIC CONC. (1" THICK) AND ASPHALTIC CONC. WEARING COURSE (1" THICK) (ALT "A") OR (ALT "B") SAND-ASPHALT HOT MIX (5" THICK) 800 LB. STABILITY AND ASPHALTIC CONC. WEARING COURSE (1" THICK)



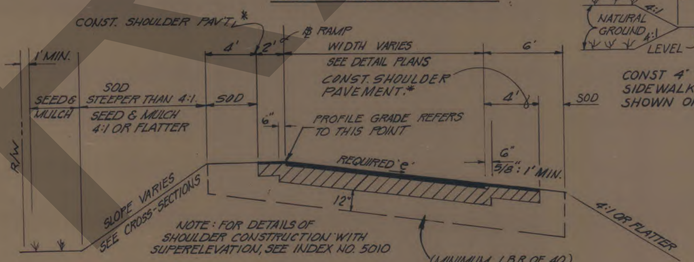
NORMAL



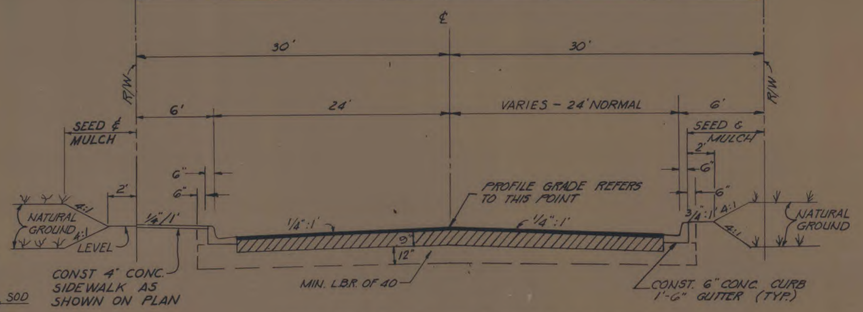
WITH RETAINING WALL



WITH SHOULDER GUTTER AND GUARDRAIL



SUPERELEVATED SECTION



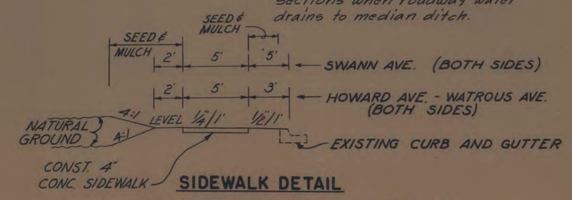
LIMEROCK BASE (9" THICK, DOUBLE COURSE) PRIMED, WITH TYPE S-I ASPHALT CONC. (3" THICK, DOUBLE COURSE) (BOTTOM LAYER 1½" THICK - TOP LAYER 1½" THICK)

PLATT STREET

RAMPS

DESIGN SPEED 35 M.P.H.
LIMEROCK BASE (10" THICK, DOUBLE COURSE) PRIMED, WITH TYPE S-I ASPHALTIC CONC. (2" THICK.) AND ASPHALTIC CONC. WEARING COURSE (1" THICK).

NOTES:
1. Sod 2' Adjacent to paved Shoulder in superelevation sections when roadway water drains to median ditch.



SIDEWALK DETAIL
SWANN - HOWARD - WATROUS AVENUES

AS BUILT
APR 21 1976

NO.	REVISION	BY	DATE

TAMPA - HILLSBOROUGH COUNTY EXPRESSWAY AUTHORITY

SOUTH CROSSTOWN EXPRESSWAY

TYPICAL SECTIONS

J. E. GREINER COMPANY — WATSON & COMPANY
CONSULTING ENGINEERS TAMPA, FLORIDA

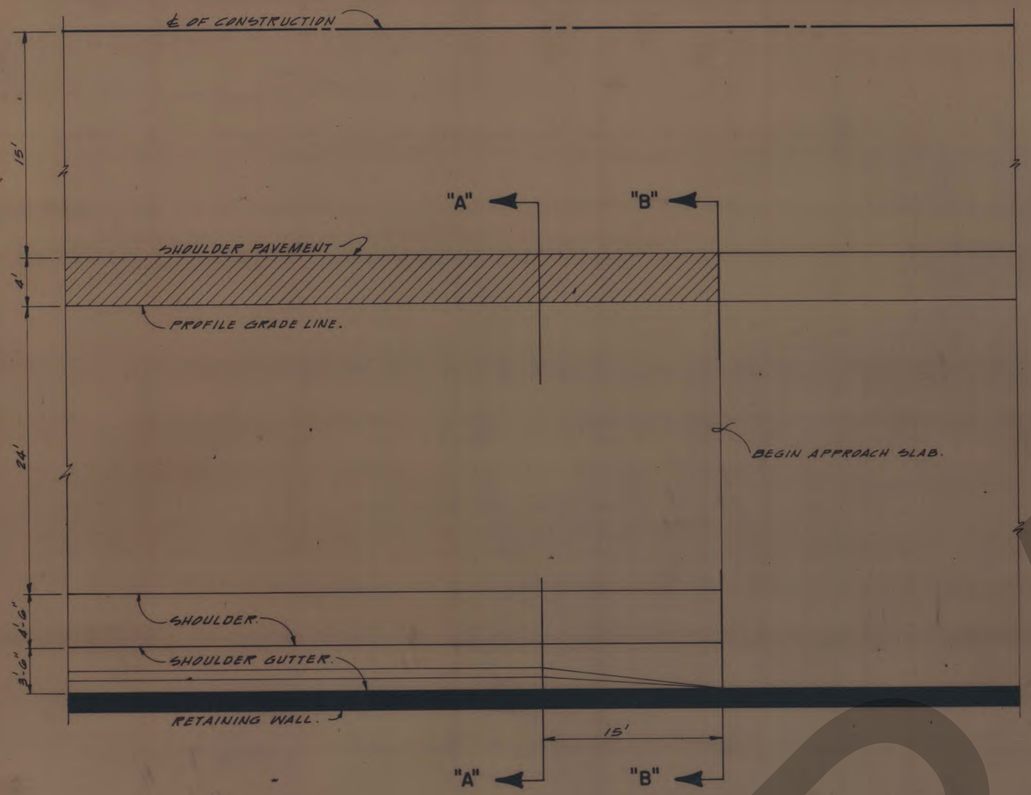
MADE J.H. DATE 1973 | TRACED H.L. DATE 1973
CHECKED J.N.C. DATE 1973 | SCALE NOT TO SCALE

84/1

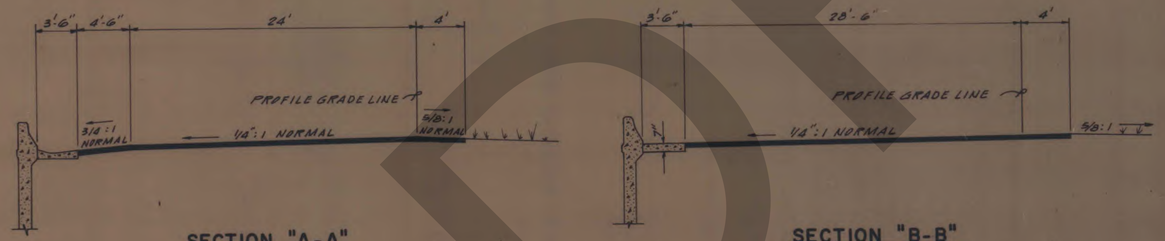
Contract No. 4.

DRAFT

SECTION	CONTRACT	SOUTH CROSSTOWN EXPRESSWAY	SHEET NO.
10002	3504		6
By WACO	,	TAMPA-HILLSBOROUGH COUNTY EXPRESSWAY AUTHORITY	Date 1972



PLAN



SECTION "A-A"
RETAINING WALL.

SECTION "B-B"
APPROACH SLAB

15' TRANSITION— RETAINING WALL TO APPROACH SLAB



TRANSITION DETAIL
RETAINING WALL SECTION TO SHOULDER GUTTER SECTION.

AS BUILT
APR 21 1976

NO.	REVISION	BY	DATE

TAMPA-HILLSBOROUGH COUNTY EXPRESSWAY AUTHORITY

SOUTH CROSSTOWN EXPRESSWAY

MISCELLANEOUS DETAILS

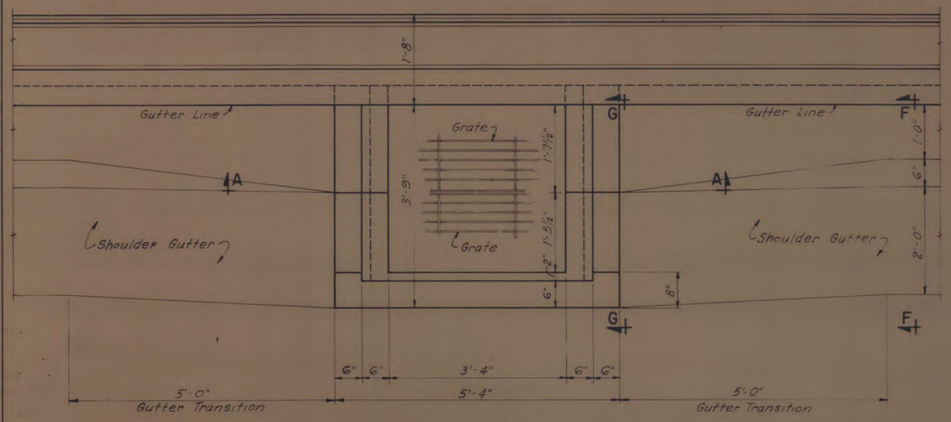
J. E. GREINER COMPANY — WATSON & COMPANY
CONSULTING ENGINEERS — TAMPA, FLORIDA

MADE J.L.H.	DATE 1973	TRACED E.J.	DATE 1973
CHECKED J.N.C.	DATE 1973	SCALE N.T.S.	84/1

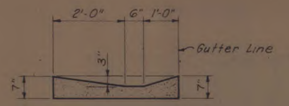
Contract No. 4.

DRAFT

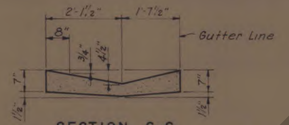
SECTION	CONTRACT	SOUTH CROSSTOWN EXPRESSWAY	SHEET NO.
10002	3504		7
By JEG	TAMPA-HILLSBOROUGH COUNTY EXPRESSWAY AUTHORITY		Date 1973



PLAN

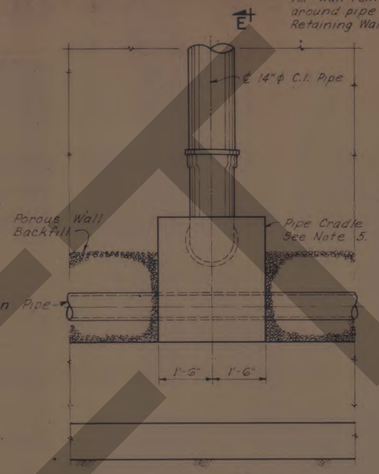


SECTION F-F

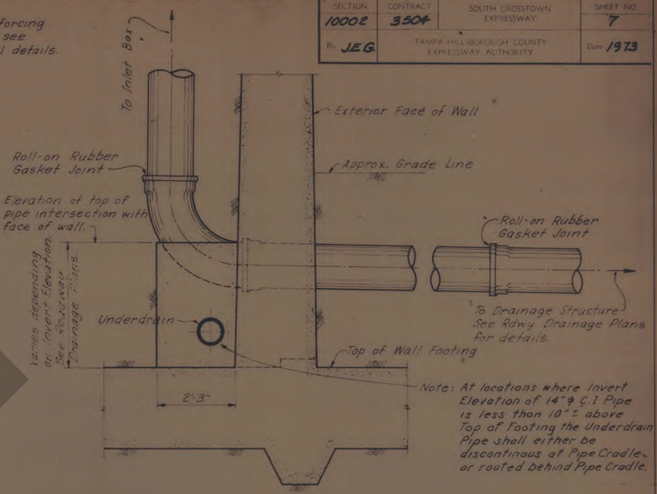


SECTION G-G

DETAILS OF SHOULDER GUTTER TRANSITION



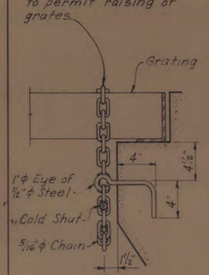
ELEVATION



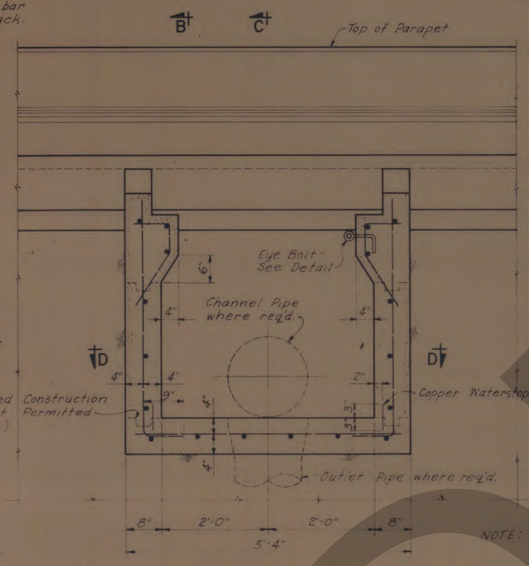
SECTION E-E

PIPE CRADLE DETAILS

Loop chain over one grate bar of each grate. Provide slack to permit raising of grates.

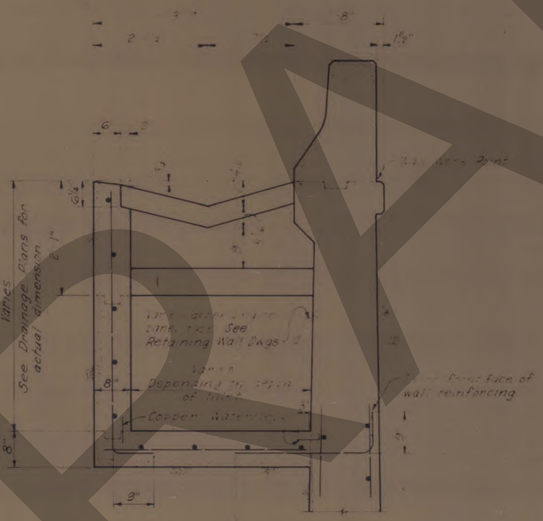


EYE BOLT AND CHAIN DETAIL FOR SECURING OF INLET GRATES

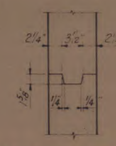


SECTION A-A

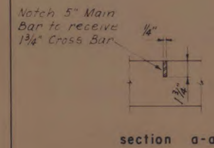
NOTE: All reinforcing steel to be #4 bars @ 1'-0" centers. See sections for leg dimensions.



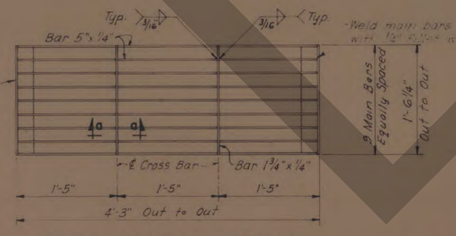
SECTION B-B



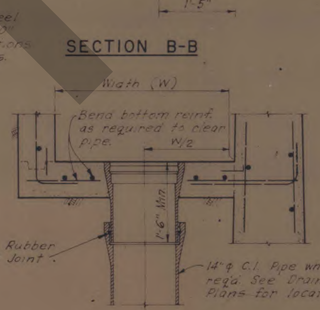
CONSTRUCTION JOINT KEY DETAIL



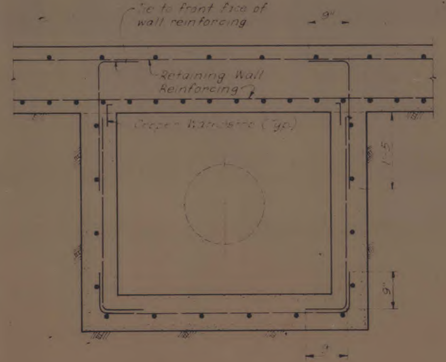
section a-a



STEEL GRATING DETAILS
(2 Required)



SECTION C-C



SECTION D-D

NOTES

1. Concrete for Box to be Class II
2. All reinforcing to have a minimum of 2" concrete cover unless otherwise noted.
3. Copper waterstop shall be continuous 24 oz. copper strip, 9" wide.
4. All items necessary for the completion of each box, including grates and reinforcing embedded in retaining walls, etc., shall be included in the Contract Unit Price bid for each inlet.
5. Pipe Cradle to be Class I Concrete accurately shaped so as to fit contour of pipe surface, extending as shown from top of pipe intersection with face of wall to top of footing.
6. All exposed edges to be tooled to ¼" radius.

AS BUILT
APR 81 1976

NO	REVISION	BY	DATE

TAMPA HILLSBOROUGH COUNTY EXPRESSWAY AUTHORITY

SOUTH CROSSTOWN EXPRESSWAY

DRAINAGE DETAILS INLET TYPE BW

J. E. GREINER COMPANY WATSON & COMPANY
ENGINEERS-SCIENTISTS TAMPA, FLORIDA

MADE R.M.W.	DATE 10-72	TRACED R.M.W.	DATE 10-72
DESIGNED L.H.S.	DATE 10-72	SCALE None	84/1

STANDARD DRAWING NO. 21

Contract No. 4.

SECTION	CONTRACT	SOUTH CROSSTOWN EXPRESSWAY	SHEET NO.
10002	3504		8
By: WACO	TAMPA-HILLSBOROUGH COUNTY EXPRESSWAY AUTHORITY		Date: 1973

SUMMARY OF ROADWAY QUANTITIES

ITEM NO.	ITEM	ASBUILT QUANTITY	UNIT	QUANTITY	
101-1	Mobilization	1	Lump Sum	1	
102-1	Maintenance Of Traffic	1	Lump Sum	1	
102-4	Calcium Chloride For Dust Control	0	Ton	24	
104-1	Artificial Coverings	0	Sq.Yd.	778	
104-2	Mulching (Temporary)	0	Sq.Yd.	3889	
104-3	Sodding (Temporary)	2277	Sq.Yd.	3,889	
104-4	Mowing	0	Acre	4	
104-5	Sandbagging	10	Cu.Yd.	20	
104-6	Slope Drains (Temporary)	0	Lin.Ft.	150	
110-1	Clearing and Grubbing	1	Lump Sum	1	
120-6	Embankment	274833	Cu.Yd.	274,833	◇
120-8	Final Dressing	1	Lump Sum	1	
160-4	Type B Stabilization	48,570	Sq.Yd.	48,712	◇
200-1-8	Limerock Base (5" Thick)		Sq.Yd.	5,433	◇
300-1-1A	Bituminous Material (Prime Coat)		Gal.	939	◇
Alt. A 300-1-3A	Bituminous Material (Tack Coat)		Gal.	250	◇
Alt. A 300-1-13A	Bituminous Material (Plant Mix) (A.C.20)	30,860	Gal.	~~8789~~	◇ 23945
331-1-1	Type S-I Asphaltic Concrete (1" Thick)		Sq.Yd.	6,262	◇
Alt. B 300-1-3B	Bituminous Material (Tack Coat)		Gal.	313	◇
335-1-61	Sand-Asphalt Hot Mix (5" Thick) (800 Lb Stability)	6284	S.Y.	5,433	◇
200-1-3	Limerock Base (10" Thick) [Double Course]	32,246	Sq.Yd.	31,402	◇
200-1-7	Limerock Base (9" Thick) [Double Course]	3,771	Sq.Yd.	3,608	
300-1-1H	Bituminous Material (Prime Coat)	4886	Gal.	5,258	◇
300-1-3H	Bituminous Material (Tack Coat)	502	Gal.	1,471	◇
300-1-13H	Bituminous Material (Plant Mix) (A.C.20)	90,537	Gal.	93,815	◇
331-1-5	Type S-I Asphaltic Concrete (2" Thick)	33,409	Sq.Yd.	33,173	◇
331-1-9	Type S-I Asphaltic Concrete (3" Thick)	3618	Sq.Yd.	3,608	
338-70-1	Asphaltic Concrete Wearing Course (1" Thick)	50,560	Sq.Yd.	39,443	◇
339-70	Miscellaneous Asphalt Pavement	249.8	Ton	231	
360-1	Concrete Approach Slabs	17	Each	17	
400-1-2	Class I Concrete (Endwalls)	17.71	Cu.Yd.	18	
415-1-1	Reinforcing Steel (Roadway)	1,089	Pound	1,089	
425-1-1	Inlets (Curb)	9	Each	9	
425-1-2	Inlets (Ditch Bottom)	7	Each	7	
425-1-3	Inlets (Special) [Retaining Wall]	18	Each	18	
430-1-22	Concrete Pipe Culvert (15") [Storm Sewer]	1,102	Lin.Ft.	983	◇
430-1-23	Concrete Pipe Culvert (18") [Storm Sewer]	788	Lin.Ft.	882	◇
Alt. C 430-2-22C	Corrugated Steel Pipe Culvert (15") [Gutter Drain]	138	Lin.Ft.	138	
Alt. D 430-8-22D	Corrugated Aluminum Pipe Culvert (15") [Gutter Drain]		Lin.Ft.	138	
300-1-13A	Bituminus Material plant Mix AC-20 (SA-2)	4042	Gal.		
331-32-9A	Type S-1 asphaltic Concrete (1" Thick)	2725	Sq.yds.		
430-15-6	Cast Iron Pipe Culvert (14") (Standard)	188	Lin.Ft.	188	◇
440-1-2	Underdrains (6")	0	Lin.Ft.	165	
520-1-1	Concrete Curb and Gutter (6" Curb, 1.5' Gutter)	1,327.5	Lin.Ft.	1,326	
520-2-4	Concrete Curb (Type D)	376.1	Lin.Ft.	380	
520-6	Concrete Shoulder Gutter	7,344.2	Lin.Ft.	7,529	◇
522-1	Concrete Sidewalk, 4" Thick	1,120	Sq.Yd.	1,058	
524-1-1	Concrete Ditch Pavement (3" Thick)	1,403	Sq.Yd.	1,048	◇
536-1-1	Guardrail (Roadway)	5,555.5	Lin.Ft.	5,242	
536-6	End Anchorage Assemblies, Type II	14	Each	21	
550-2	Fencing, Type B	6,241.8	Lin.Ft.	6,018	
550-3-2	Corner Post Assemblies (Type B Fence)	27	Each	22	
550-4-2	Pull and End Post Assemblies (Type B Fence)	28	Each	21	
550-70-2	Fence Gates (Type B Fence)	7	Each	5	
570-2	Seeding and Mulching	44,316	Sq.Yd.	80,450	
570-3	Grass Seed (Permanent Type)	312	Pound	1,662	
570-4	Mulch Material	10.3	Ton	66	
570-5	Fertilizer	9.1	Ton	9	
570-9	Water For Grassing	85.4	M.Gals.	122	
570-10	Grass Seed (Quick-Growing Type)	274	Pound	249	
575-1	Sodding *	41,869	Sq.Yd.	13417	
S.A.-3	Relocate Lighting Standard base on Retaining Wall (S.A.-3)	1	Lump Sum		
Alt. 715-1-1	Highway Lighting (Aluminum Poles)		Lump Sum	1	
Alt. 715-1-2	Highway Lighting (Galvanized Steel Poles)		Lump Sum	1	

SUMMARY OF GUARDRAIL

STATION TO STATION	RT. ROADWAY LT.	RT. ROADWAY RT.	LT. ROADWAY LT.	LT. ROADWAY RT.	TOTAL	ASBUILT QUANTITY
Sta. 211+95 To Sta. 213+15	237.5				237.5	210.6
Sta. 216+50 To Sta. 217+80				250.0	250.0	210.6
Sta. 219+90 To Sta. 221+10	200.0				200.0	210.6
Sta. 223+40 To Sta. 224+60				187.5	187.5	210.6
Sta. 228+05 To Sta. 233+00		500.0			500.0	500.3
Sta. 230+00 To Sta. 233+00			300.0		300.0	305.3
Sta. 236+60 To Sta. 237+75	175.0				175.0	210.6
Sta. 240+00 To Sta. 241+20				200.0	200.0	210.6
Sta. 240+83 To Sta. 246+00		517.0			517.0	522.4
Sta. 253+95 To Sta. 256+20				300.0	300.0	313.2
Sta. 254+50 To Sta. 256+90	300.0				300.0	—
Sta. 256+90 To Sta. 258+00	175.0				175.0	208.5
Sta. 257+65 To Sta. 258+50		62.5			62.5	64.4
Sta. 259+75 To Sta. 264+51			500.0		500.0	492.5
Sta. 260+30 To Sta. 261+68				175.0	175.0	128.5
Sta. 261+17 To Sta. 264+51		325.0			325.0	400.0
Sta. 260+30 To Sta. 265+10	335.0					335.6
Sta. 257+00 To Sta. 257+50			50			50.0
RAMP "B"						
Sta. 57+00 To Sta. 59+00		200.0			200.0	203.8
Inman St.						37.5
Bristol Ave						37.5
RAMP "A"						
Sta. 159+52 To Sta. 162+50			300.0		300.0	344.3
Sta. 159+73 To Sta. 161+48			175.0		175.0	176.8
BARRICADES						
Azecle Street	12.5	37.5			50.0	—
Alley		12.5			12.5	12.5
Orleans Avenue		37.5			37.5	37.5
Alley		12.5			12.5	12.5
Dakota Avenue		50.0			50.0	51.9
Oregon Avenue					—	37.5
TOTAL					5,242.0	5555.5

GENERAL NOTES:

Item No. 102-1 to be accomplished in accordance with the State of Florida Manual on Traffic Control and Safe Pratices for Street and Highway Construction, Maintenance and Utility Operations.

Item No's. 104-1 through 104-6 are Estimated Quantities for Prevention, Control, and Abatement of Soil Erosion and Water Pollution. To be used at locations Designated By the Engineer.

NOTE:

1. For Bridge Items and Quantities, See Bridge Plans.
2. For Retaining Wall Items and Quantities, See Bridge Plans.
3. For Highway Sign Items and Quantities, See Roadway Signing Plans.
4. For Lighting Items, See Lighting Plans.
5. Guardrail Stations are approximately only and are to be adjusted in the field by the Engineer, if necessary.

Item No. 570-2 Includes 16,090 Sq.Yd's. for temporary grassing.
Item No. 570-3 Includes 332 Lb's. for temporary grassing.
Item No. 570-4 Includes 13 Tons for temporary grassing.
Item No. 570-5 Includes 2 Tons for temporary grassing.
Item No. 570-9 Includes 42 M.Gal for temporary grassing.
Item No. 570-10 Includes 50 Lb's. for temporary grassing.

6. Item No. 440-1-2 to be used as a contingency item, to be used if necessary, as directed by the engineer. ◇

SUMMARY OF SODDING

STATION TO STATION	LT.	MED.	RT.	TOTAL
Sta. 209+40 To Sta. 213+20		589		589
Sta. 223+50 To Sta. 237+00		2091		2091
Sta. 228+05 To Sta. 233+00			743	743
Sta. 230+00 To Sta. 233+00	258			258
Sta. 233+11 To Sta. 237+60		107		107
Sta. 240+83 To Sta. 246+00			1637	1637
Sta. 241+00 To Sta. 256+00		2323		2323
Sta. 252+50 To Sta. 257+22		105		105
Sta. 260+32 To Sta. 264+52		2310		2310
Sta. 261+21 To Sta. 264+52			1398	1398
Sta. 57+00 To Sta. 59+00 (Ramp "B")			678	678
Sta. 160+00 To Sta. 162+00 (Ramp "A")	1017			1017
Endwalls				161
Median				14,594
Left Side				12,666
Right Side				9,745
Ramps				4,864
TOTAL				13417

TOTAL ASBUILT * 41,869 S.Y.

* Note, All ditch slopes of 2:1 and Steeper and all areas which were subject to erosion were sodded. The material used to construct the embankment was a highly erodable sandy type soil and many suseptable areas including the median were sodded.

TABULATION OF CONCRETE DITCH PAVEMENT

STATION TO STATION	LT.	MED.	RT.	TOTAL
Sta. 242+00 TO Sta. 250+00	388.1 ~~500~~			388 1500 ◇
Sta. 57+00 To Sta. 60+00 (Ramp "B")		~~339~~ 535.3		535 339
Sta. 160+00 To Sta. 163+20 (Ramp "A")		~~215~~ 330.5		330.5 215
Spillway Sta. 237+50				15.7
" " 257+00				12.5
" " 260+50				13.2
Structure D-6				33
" D-10				33
" D-13				33
" D-16				33
" D-21				33
" D-23				33
TOTAL Asbuilt				1402.0
TOTAL		* USE 1403		1048 ◇

AS BUILT
APR 21 1976

NO.	REVISION	BY	DATE
◇	Revised Qty. Items, Added Note 6.	M.F.	6/26/74

TAMPA-HILLSBOROUGH COUNTY EXPRESSWAY AUTHORITY

SOUTH CROSSTOWN EXPRESSWAY

SUMMARY OF QUANTITIES

J. E. GREINER COMPANY — WATSON & COMPANY
CONSULTING ENGINEERS TAMPA, FLORIDA

MADE J.N.C. DATE 1973 | TRACED E.A.J. DATE 1973
CHECKED J.N.C. DATE 1973 | SCALE —

84/1

Contract No. 4.

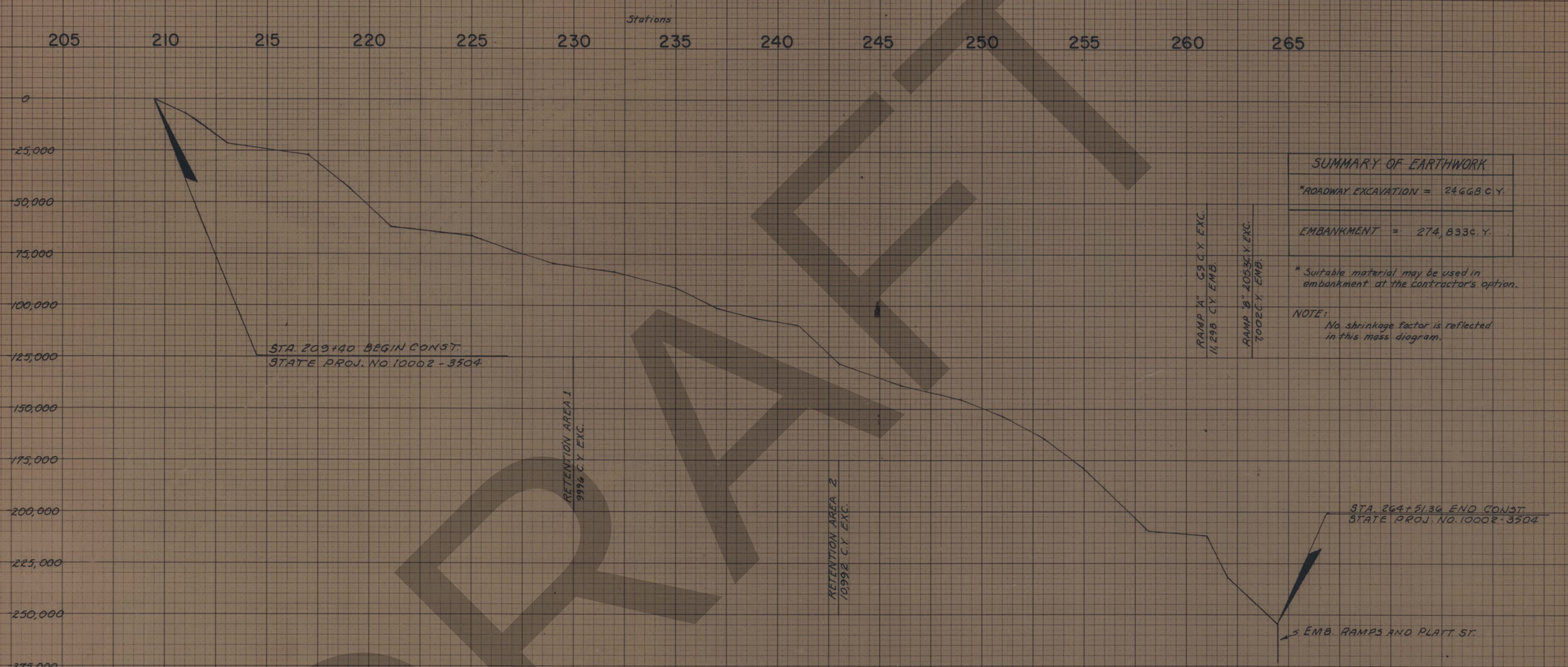
DRAFT

NO	REVISION	BY	DATE
1	Revised Embankment Quantity	M.F.	6/20/73

SECTION	CONTRACT	SOUTH CROSSTOWN EXPRESSWAY	SHEET NO
10002	3504		9
By WACO		TAMPA-HILLSBOROUGH COUNTY EXPRESSWAY AUTHORITY	Date 1973

FINAL SURVEY — SURVEYED, PLOTTED, TIE SHEET, NOTE BOOK, AREAS, NO., AREAS CHECKED, BY, DATE

ORIGINAL SURVEY — SURVEYED, PLOTTED, TIE SHEET, NOTE BOOK, AREAS, NO., AREAS CHECKED, BY, DATE



SUMMARY OF EARTHWORK

*ROADWAY EXCAVATION =	24668 C.Y.
EMBANKMENT =	274,833 C.Y.

* Suitable material may be used in embankment at the contractor's option.

NOTE:
No shrinkage factor is reflected in this mass diagram.

MASS DIAGRAM

This diagram is for the contractor's information only.

SCALE: 1" = 25,000 C.Y. VERTICAL
1" = 250' HORIZONTAL

DRAFT

AS BUILT
APR 21 1976

Contract No. 4

84
1

NO	Revision	BY	Date	SECTION	CONTRACT	SOUTH CROSSTOWN EXPRESSWAY	SHEET NO.
1	Added Note	M.F.	1-75	10002	3504		10
				By WACO	TAMPA-HILLSBOROUGH COUNTY EXPRESSWAY AUTHORITY		Date 1973



① NOTE: Construct the top 1" of 3" bituminous Surface On Howard & Watrous Avenue. Sta. 1+80 to Sta. 5+50 Watrous Ave. Sta. 21+57 To Sta. 25+77.34 Howard Avenue.

Approximate Quantity:
Bituminous Material Plant Mix AC-20 2166 Gal. Type S-1 Asphaltic Concrete 1" 1460 Sq. Yds.

SCALE: 1" = 50'

B.M. No. 41-A
99' Rt. Sta. 211+00
Nail in Tel. Pole
Elev. 21.86

B.M. No. 40-A
86' Rt. Sta. 214+36
Sq. cut in Curb
S.W. Cor. Howard Ave. & Watrous Ave.
Elev. 21.94

B.M. No. 40-B
107' Lt. Sta. 216+90
Sq. Cut in Curb on
S.E. Cor. Howard Ave. & Jetton Ave.
Elev. 21.95

B.M. No. 39-A
Nail in Tel. Pole
N. Side Morrison Av.
100' W. of Survey Line.
Elev. 24.77

GENERAL NOTES

1. Grades shown are finished grades.
2. B.M. Datum U.S.C.&G.S.
3. Except for City of Tampa Water and Sewer Lines, all Utilities are to be adjusted by others as directed by the Engineer.
4. The location of the utilities shown in the plans are approximate only; the exact locations shall be determined by Contractor during construction.
5. For utility symbols See index No. 195.

UTILITY OWNERS

1. Tampa Electric Co.
2. Peoples Gas System
3. General Telephone Co.
4. City of Tampa Water Dept.
5. City of Tampa Sanitary Sewer Dept.
6. Western Union

AS BUILT
APR 21 1978

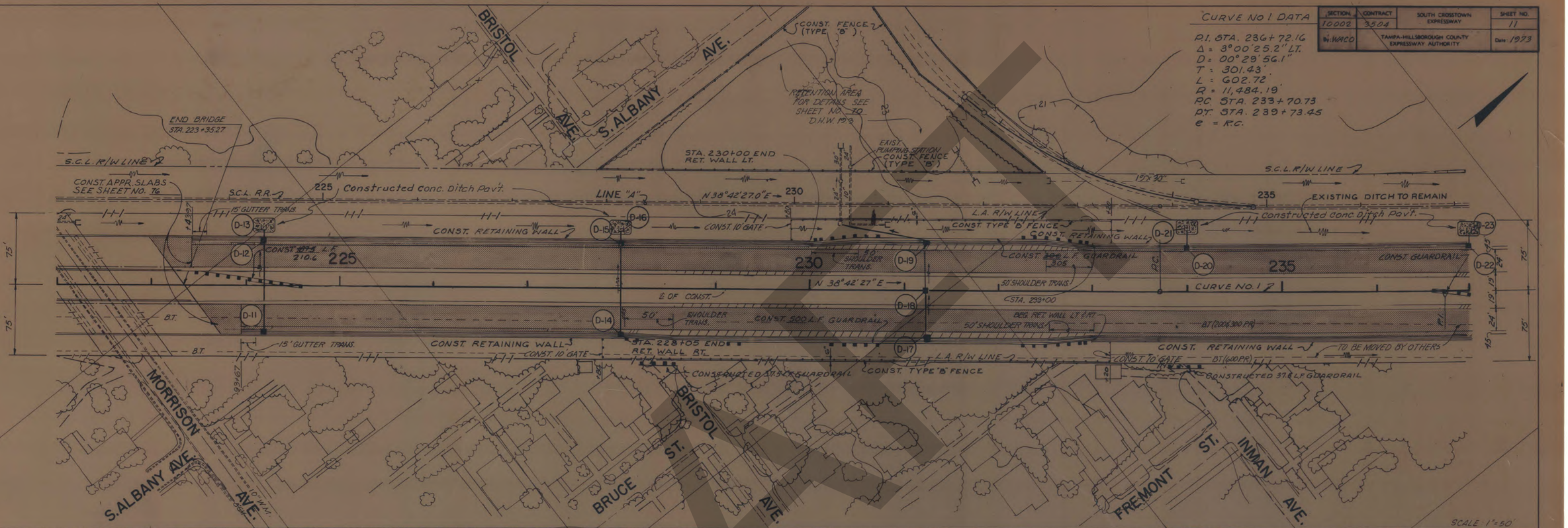
Contract No. 4.

84/1

SECTION	CONTRACT	SOUTH CROSSTOWN EXPRESSWAY	SHEET NO.
10002	3504		11
By WACO		TAMPA-HILLSBOROUGH COUNTY EXPRESSWAY AUTHORITY	Date 1973

CURVE NO 1 DATA

P.I. STA. 236+72.16
Δ = 3°00'25.2" LT.
D = 00°29'56.1"
T = 301.43'
L = 602.72'
R = 11,484.19'
P.C. STA. 233+70.73
P.T. STA. 239+73.45
e = R.C.



SCALE 1"=50'

B.M. NO. 39 B
SQ. CUT IN SQ. CURB
ON MORRISON AVE.
120' E. OF SURVEY LINE
ELEV. = 22.843

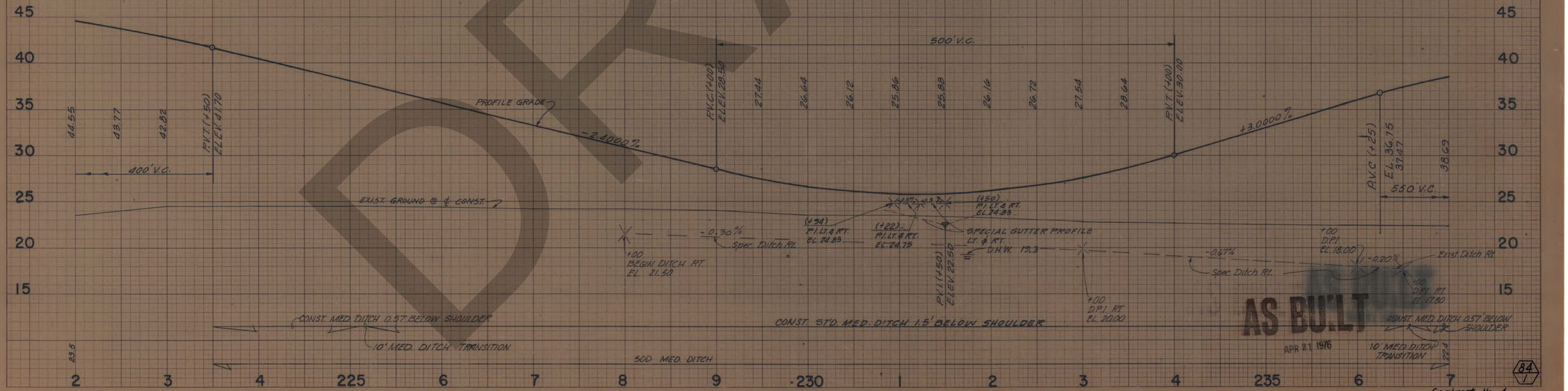
① NOTE: Construct the top 1" of S" bituminous surface on Morrison Avenue. Sta. 8+60 To Sta. 11+50 Lt.
Approximate Quantity: Sta. 8+30 To Sta. 11+50 Rt.

Bituminous Material: Plant Mix AC 20	309	Gal.
Type S-1 Asphaltic Concrete	613	Sq. Yd.

B.M. NO. 38 A
98' LT. STA. 227+52
SQ. CUT ON END OF CURB
E. SIDE ALBANY AVE.
& BRISTOL AVE.
ELEV. = 22.557

B.M. NO. 37 A
134' RT. STA. 234+08
R.R. SPIKE IN BASE OF 30" OAK
S.W. COR. FREMONT & INMAN ST.
ELEV. 21.016

NO	REVISION	BY	Date
1	Added Note	MK	1-76



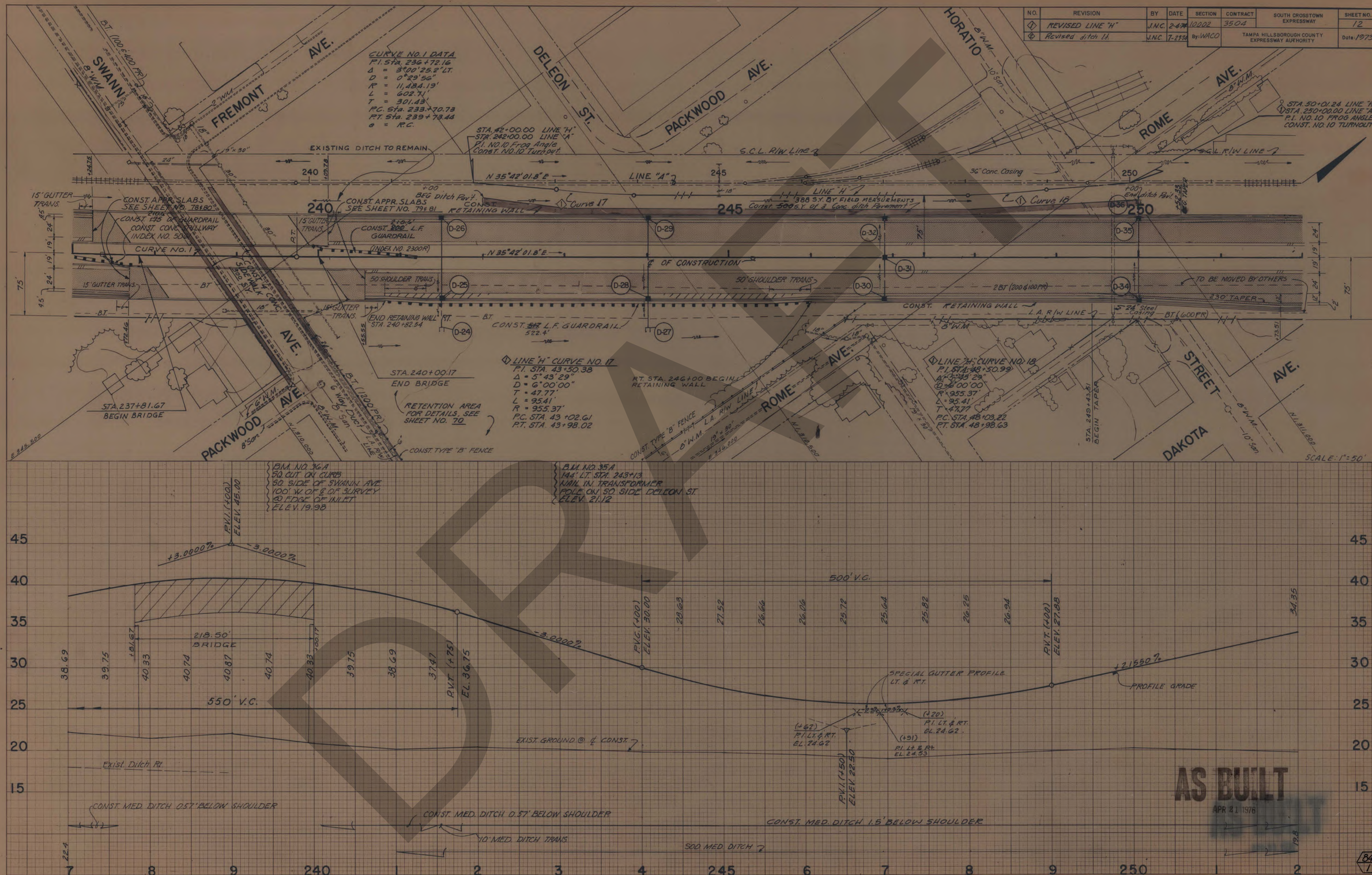
AS BUILT
APR 21 1976

KAE CO.
ORLANDO, FLA
UNDER STOCK 2024R

84/1

Contract No. 4.

NO.	REVISION	BY	DATE	SECTION	CONTRACT	SOUTH CROSSTOWN EXPRESSWAY	SHEET NO.
1	REVISED LINE "H"	J.N.C.	2-4-74	10002	3504		12
2	Revised ditch Lt.	J.N.C.	7-29-74	By: WACO		TAMPA HILLSBOROUGH COUNTY EXPRESSWAY AUTHORITY	Date: 1973



Contract No. 4

DRAFT

K&E CO. ORLANDO, FLA. ORDER STOCK 2024R

SECTION	CONTRACT	SOUTH CROSSTOWN EXPRESSWAY	SHEET NO.
10002	3504		13
By: WACO	TAMPA-HILLSBOROUGH COUNTY EXPRESSWAY AUTHORITY		Date: 1973

CURVE NO. 2 DATA
P.I. STA. 263+06.95
Δ = 55°11'35.2" RT.
D = 4°00'00"
T = 748.72'
L = 1,379.82'
R = 1,432.39'
P.C. STA. 255+58.23
P.T. STA. 269+38.05
e = 0.08%

CURVE NO. 3 DATA
P.I. STA. 160+97.99
Δ = 19°00'00"
D = 10°00'00"
T = 95.88'
L = 190.00'
R = 572.96'
P.C. STA. 160+02.11
P.T. STA. 161+92.11
e = 0.06%

CURVE NO. 4 DATA
P.I. STA. 56+15.81
Δ = 38°20'39.8" RT.
D = 14°00'00"
T = 142.30'
L = 273.89'
R = 409.26'
P.C. STA. 54+73.51
P.T. STA. 57+47.40
e = 0.10%

NOTES:
1. TOLL PLAZA SITE WORK TO BE COMPLETED WITHIN 90 DAYS AFTER NOTICE TO PROCEED.
2. WILLOW AVE. AND 12'x5' BOX CULVERT TO BE BUILT UNDER CONTRACT NO. 10002-3505

STA. 266+44.54 ℄ CONST. = STA. 22+00.00 ℄ WILLOW AVE.

NOTE:
FOR INTERCHANGE DETAILS SEE SHT. NOS. 16-21

STA. 264+51.36
END STATE JOB NO. 10002-3504
BEG. STATE JOB NO. 10002-3505

STA. 264+49.99 ℄ "B" = Sta. 17+84.88 PLATT ℄ Sta. 28+24.00 WILLOW.

SCALE 1" = 50'

NO.	Revision	BY	DATE
1	Revised Line "A"	MF	6/20/74
2	Revised Curve 2 & Vol.	MF	6/20/74
3	Added Note	MF	7-15

AS BUILT
APR 21 1976

Contract No. 4.

SECTION	CONTRACT	SOUTH CROSSTOWN EXPRESSWAY	SHEET NO.
10002	3504		14
By: WACO		TAMPA-HILLSBOROUGH COUNTY EXPRESSWAY AUTHORITY	Date: 11-73

NOTE:
CONST. 4" CONC. SIDEWALK NORTH SIDE OF PLATT ST. FROM STA. 9+47 TO WILLOW AVE.

1-Story C.B. Building

N 35° 42' 10" E

T.R. SURVEY ℄

8" W.M. (TO BE CLOSED)

AVE.

13 K.V. Elect. (TO BE ABANDONED)

2 BT. 100 & 100 PR. (TO BE ABANDONED)

8" San. (TO BE CLOSED)

Sign

CONST 4" CONC. S/W

1W 3W 4W 2" W.M. (TO BE ABANDONED)

AVE. (TO BE CLOSED)

2" W.M. (TO BE ABANDONED)

(TO BE CLOSED)

10 11 12 13 14 15 16

55° 15' 06"

30'

24'

S 88° 59' 59" E

PLATT STREET

℄ SURVEY AND ℄ CONSTRUCTION

12" W.M.

30" S.S.

STA. 10+60 BEGIN CONST. PLATT STREET

STA. 259+10.80 - ℄ CONST. - STA. 10+82.92 - PLATT ST. ℄

1-Story C.B. Building

8" W.M. (TO BE ABANDONED)

OREGON

(TO BE CLOSED) 8" San.

8" San. (TO BE CLOSED)

E-3 E-7 E-2

ORLEANS

2" W.M. (TO BE CLOSED)

RAMP "B"

1-Story Frame Building

SCALE 1" = 20'

PLATT STREET

EL. 2028

PROFILE GRADE

Existing Grade Along ℄

-0.2000%

-0.63%

+0.20%

+0.53%

100' GUTTER PI (EL. 1958)

SPECIAL GUTTER PROFILE RT

190 GUTTER PI EL. 1913

100' GUTTER PI EL. 1907

2" W.M.

EXIST. 12" W.M.

8" W.M. (TO BE ABANDONED)

EXIST 15" OF 18" CONC. PIPE ENCASEMENT

Tel. (TO BE ABANDONED)

13 KV Elect. (TO BE ABANDONED)

Tel. (TO BE ABANDONED)

E-2 E-3

100' V.C.

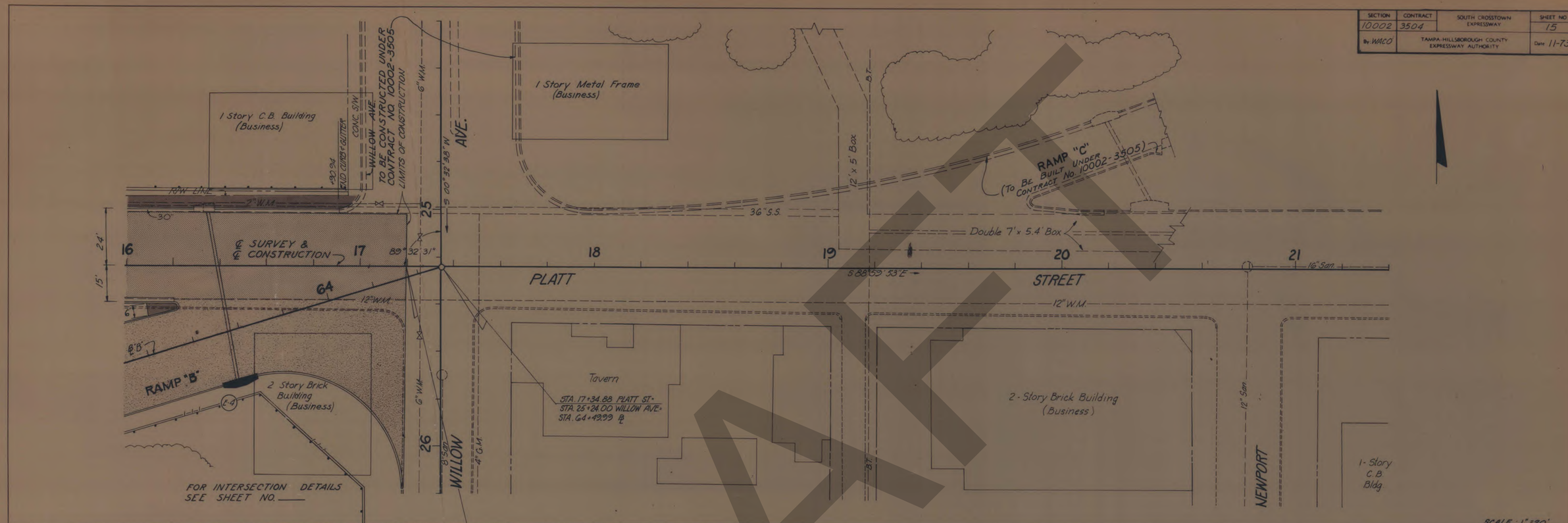
AS CULT

SEP 6 1978

Contract No. 4.

84

SECTION	CONTRACT	SOUTH CROSSTOWN EXPRESSWAY	SHEET NO
10002	3504		15
By: WACO		TAMPA-HILLSBOROUGH COUNTY EXPRESSWAY AUTHORITY	Date 11-73



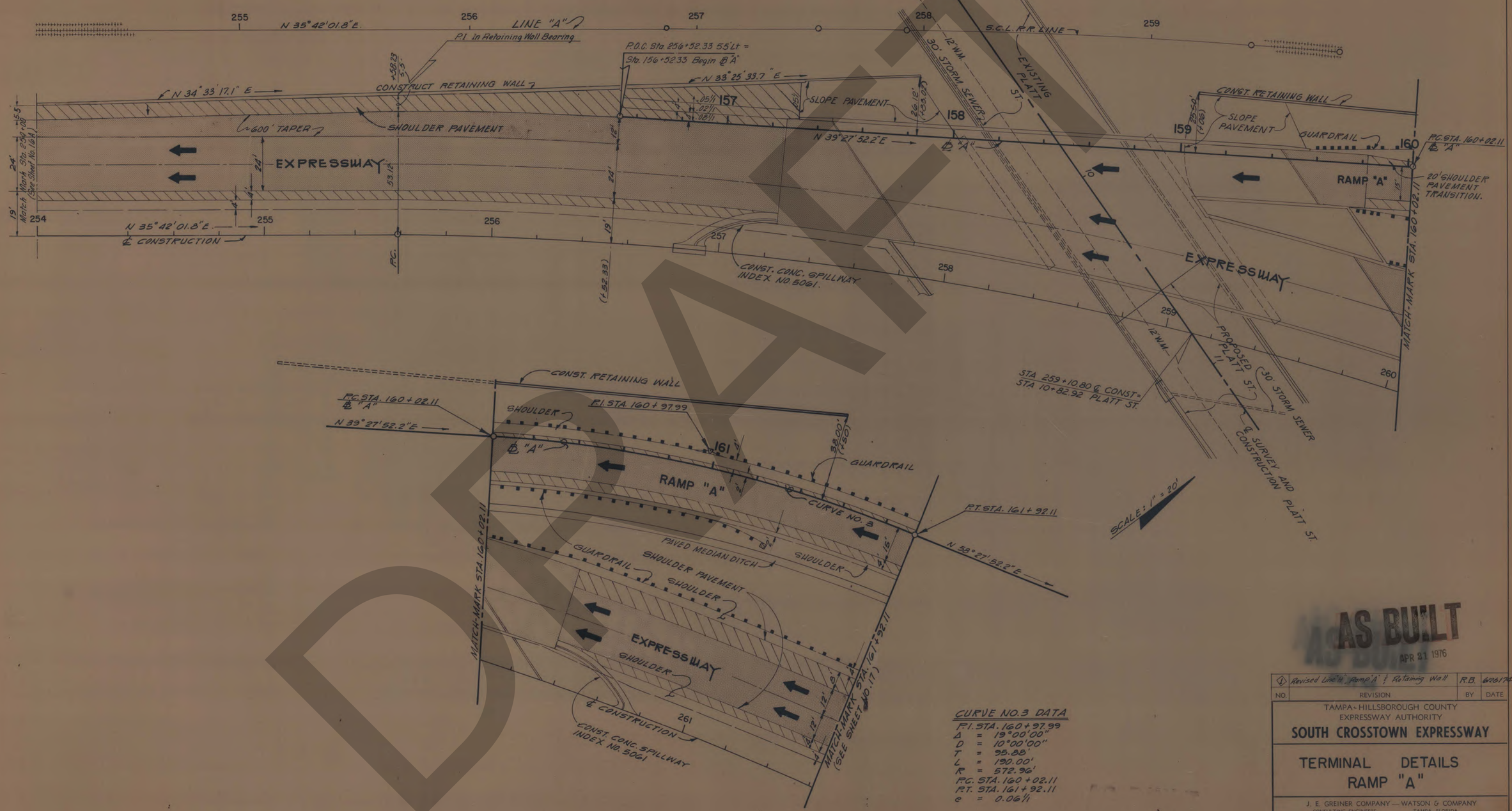
DRAFT

AS BUILT
APR 21 1976

Contract No. 4.

84
1

SECTION	CONTRACT	SOUTH CROSSTOWN EXPRESSWAY	SHEET NO.
10002	3504		16
By WACO		TAMPA-HILLSBOROUGH COUNTY EXPRESSWAY AUTHORITY	Date: 1973



CURVE NO. 3 DATA

P.I. STA. 160+97.99
Δ = 19°00'00"
D = 10°00'00"
T = 95.88'
L = 190.00'
R = 572.96'
P.C. STA. 160+02.11
P.T. STA. 161+92.11
e = 0.06'/'

DRAFT

AS BUILT
APR 21 1976

NO.	REVISION	BY	DATE
1	Revised Line "A", Ramp "A" & Retaining Wall	R.B.	6/06/74

TAMPA-HILLSBOROUGH COUNTY EXPRESSWAY AUTHORITY

SOUTH CROSSTOWN EXPRESSWAY

TERMINAL DETAILS RAMP "A"

J. E. GREINER COMPANY — WATSON & COMPANY
CONSULTING ENGINEERS TAMPA, FLORIDA

MADE J.H. DATE 6-27-73 TRACED E.A.J. DATE 1973
CHECKED J.N.C. DATE 1973 SCALE 1" = 20'

Contract No. 4.

84
1

SECTION	CONTRACT	SOUTH CROSSTOWN EXPRESSWAY	SHEET NO.
10002	3504		16 A
By: WACO	TAMPA-HILLSBOROUGH COUNTY EXPRESSWAY AUTHORITY		Date: 7-8-74



CROSS SLOPE TRANSITIONS

DRAFT

AS BUILT
APR 21 1976

NO	REVISION	BY	DATE
1	Added Sheet 16 A to Plans	J.N.C.	7-8-74

TAMPA-HILLSBOROUGH COUNTY EXPRESSWAY AUTHORITY

SOUTH CROSSTOWN EXPRESSWAY

TERMINAL DETAILS RAMP "A"

J. E. GREINER COMPANY — WATSON & COMPANY
CONSULTING ENGINEERS TAMPA, FLORIDA

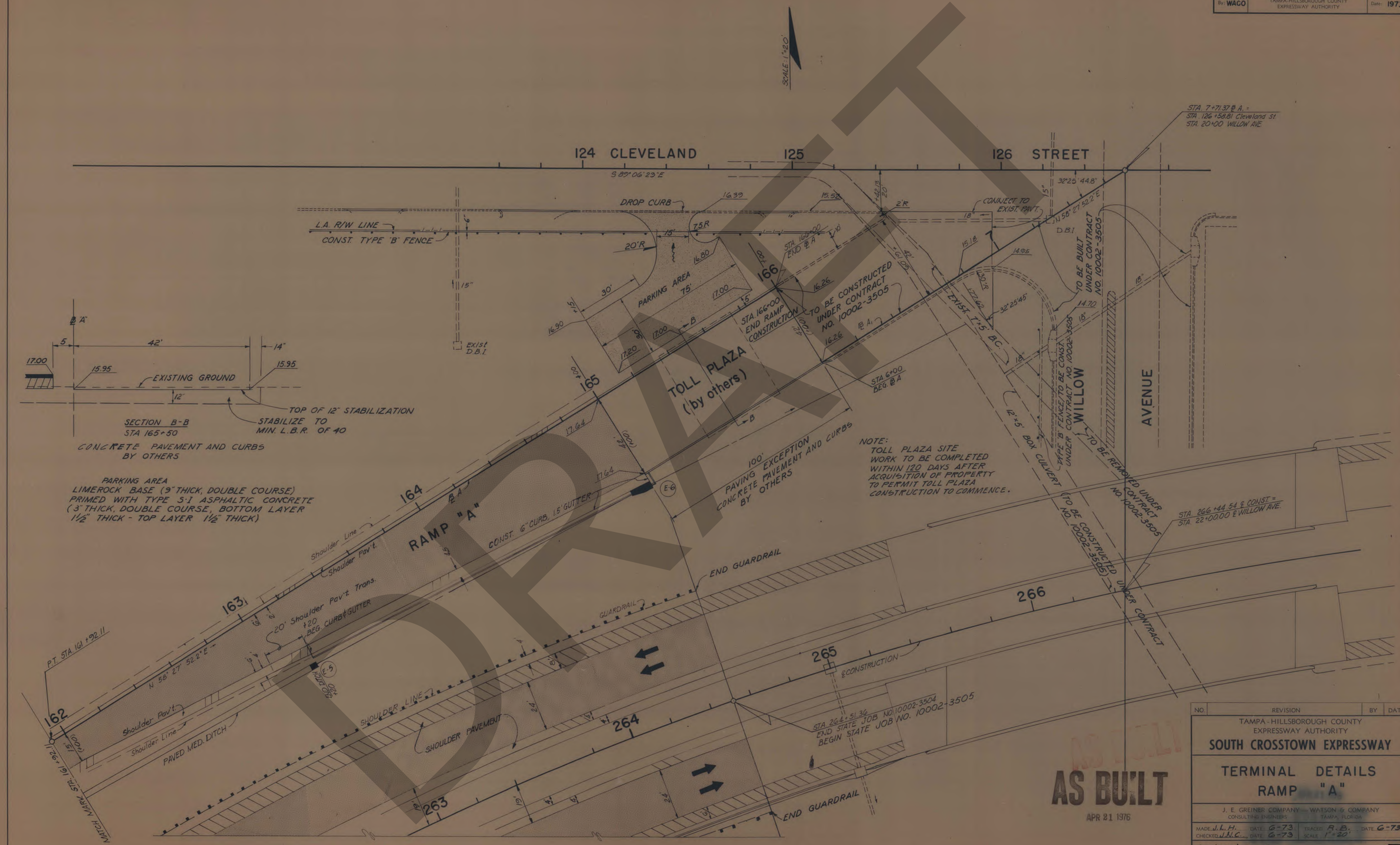
MADE J.N.C. DATE 7-8-74 | TRACED W.A. DATE 7-8-74
CHECKED J.N.C. DATE 7-8-74 | SCALE 1" = 20'

84/1

Contract No. 4.

AS BUILT
APR 21 1976

SECTION	CONTRACT	SOUTH CROSSTOWN EXPRESSWAY	SHEET NO.
10002	3504		17
By: WACO	TAMPA-HILLSBOROUGH COUNTY EXPRESSWAY AUTHORITY		Date: 1973



AS BUILT
APR 21 1976

NO.	REVISION	BY	DATE

TAMPA-HILLSBOROUGH COUNTY EXPRESSWAY AUTHORITY

SOUTH CROSSTOWN EXPRESSWAY

TERMINAL DETAILS RAMP "A"

J. E. GREINER COMPANY — WATSON & COMPANY
CONSULTING ENGINEERS — TAMPA, FLORIDA

MADE J.L.H. DATE 6-73 TRACED R.B. DATE 6-73
CHECKED J.N.C. DATE 6-73 SCALE 1"=20'

Contract No. 4

84/1

CROSS SECTIONS

Scale 1 inch = 5 feet

Fed. Road Dist. No.	State	County	Route	Proj. No.	Sheet No.
3	Fla.	HILLSBOROUGH	449	10002-3504	18



DRAFT

APR 21 1976

AS BUILT

Contract No. 4

84

Application No.
Route No.
Original Platted by
" Checked by
Template by
Area by
Finals Platted by
" Checked by
Area by
" Checked by

K&E CO. ORLANDO, FLA. ORDER STOCK # 1004

SECTION	CONTRACT	SOUTH CROSSTOWN EXPRESSWAY	SHEET NO.
10002	3504		19
By: WACO		TAMPA-HILLSBOROUGH COUNTY EXPRESSWAY AUTHORITY	Date: 1973



CURVE NO. 4 DATA

P.I. STA. 56+15.81
Δ = 38°20'39.8" RT.
D = 14°00'00"
T = 142.30
L = 273.89
R = 409.26
P.C. STA. = 54+73.51
P.T. STA. = 57+47.40
e = 0.10%

DRAFT

AS BUILT
APR 21 1976

NO.	REVISION	BY	DATE

TAMPA-HILLSBOROUGH COUNTY EXPRESSWAY AUTHORITY

SOUTH CROSSTOWN EXPRESSWAY

TERMINAL DETAILS

RAMP "B"

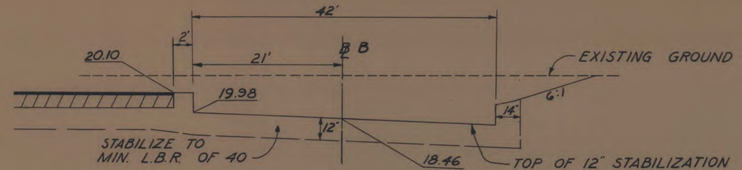
J. E. GREINER COMPANY — WATSON & COMPANY
CONSULTING ENGINEERS TAMPA, FLORIDA

MADE J.L.H. DATE 6-73 TRACED R.B. DATE 6-73
CHECK J.C. DATE 7-73 SCALE 1"=20'

84

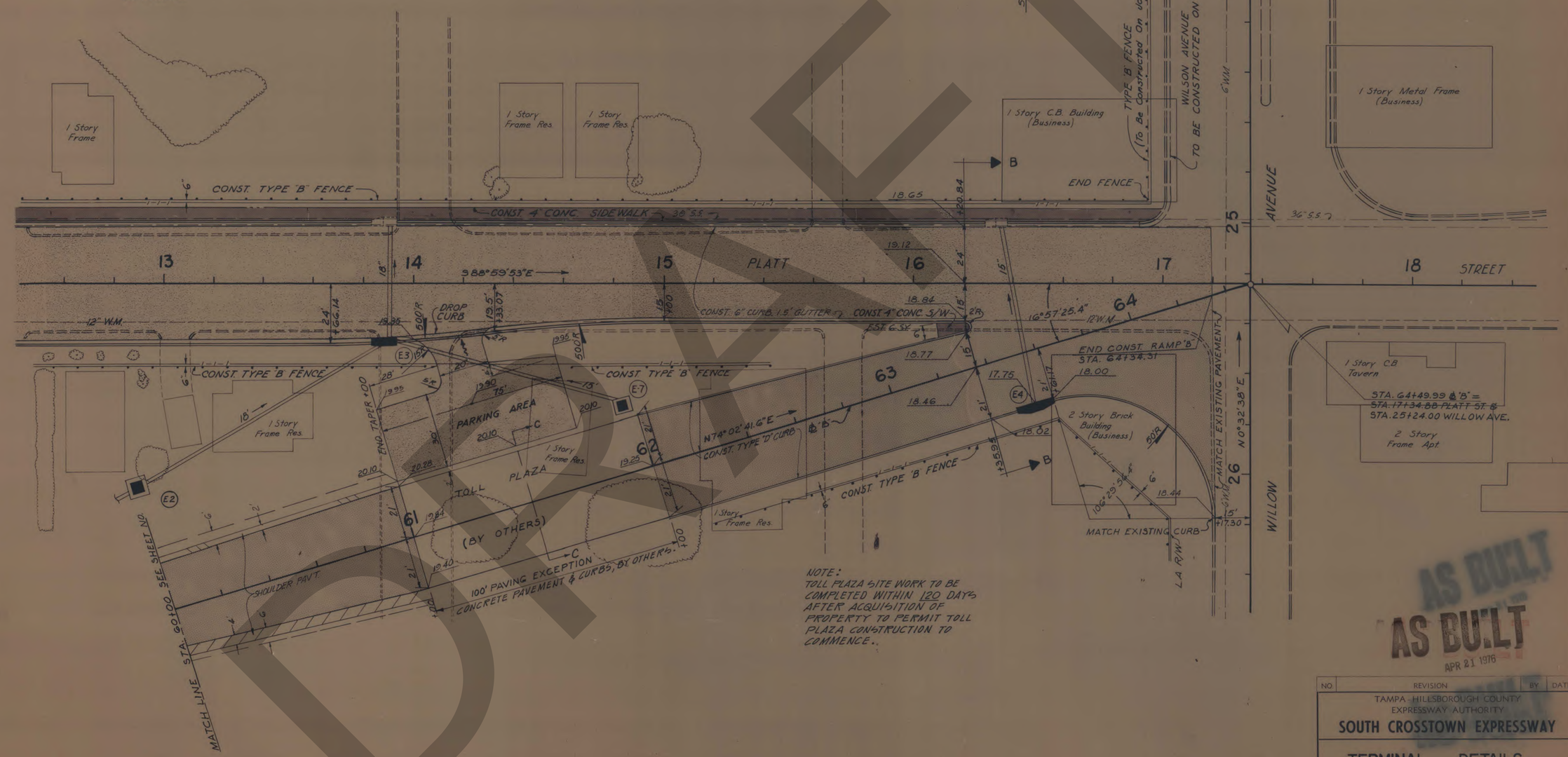
Contract No. 4.

SECTION	CONTRACT	SOUTH CROSSTOWN EXPRESSWAY	SHEET NO.
10002	3504		20
By: WACO		TAMPA-HILLSBOROUGH COUNTY EXPRESSWAY AUTHORITY	Date: 1973



SECTION C-C
STA. 61+50
CONCRETE PAVEMENT & CURBS BY OTHERS.

NOTE: PARKING AREA
LIMEROCK BASE (9" THICK, DOUBLE COURSE)
PRIMED WITH TYPE S-I ASPHALTIC CONCRETE
(3" THICK, DOUBLE COURSE, BOTTOM LAYER
1½" THICK - TOP LAYER 1½" THICK)



NOTE:
TOLL PLAZA SITE WORK TO BE COMPLETED WITHIN 120 DAYS AFTER ACQUISITION OF PROPERTY TO PERMIT TOLL PLAZA CONSTRUCTION TO COMMENCE..

AS BUILT
AS BUILT
APR 21 1976

NO	REVISION	BY	DATE

TAMPA - HILLSBOROUGH COUNTY EXPRESSWAY AUTHORITY

SOUTH CROSSTOWN EXPRESSWAY

TERMINAL DETAILS RAMP "B"

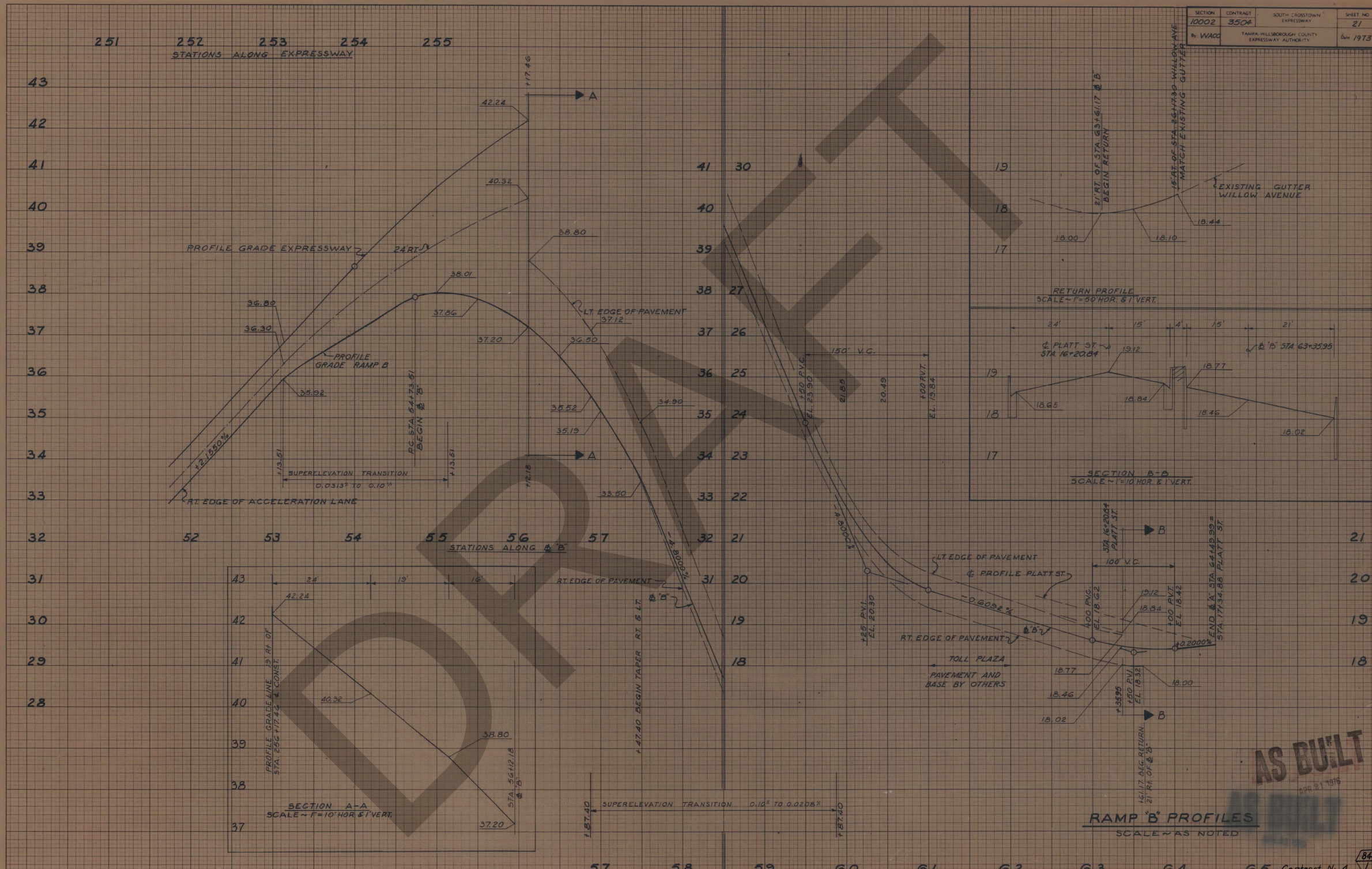
J. E. GREINER COMPANY — CONSULTING ENGINEERS
WATSON & COMPANY — TAMPA, FLORIDA

MADE J.L.H. DATE 6-73 | TRACED J.L.H. DATE 6-73
CHECKED J.N.C. DATE 12-73 | SCALE 1" = 20'

84/1

Contract No. 4.

SECTION	CONTRACT	SOUTH CROSSTOWN EXPRESSWAY	SHEET NO
10002	3504		21
By WACO		TAMPA-HILLSBOROUGH COUNTY EXPRESSWAY AUTHORITY	Date 1973



DRAFT

AS BUILT
APR 21 1976
AS BUILT

Contract No. 4.

84/1

K+E PLATE 3 CROSS SECTION KEUFFEL & ESSER CO.

SCALE: 1" = 5' VERT.
1" = 10' HORIZ.

SECTION	CONTRACT	SOUTH CROSSTOWN EXPRESSWAY	SHEET NO.
10002	3504		22
By WACO		TAMPA-HILLSBOROUGH COUNTY EXPRESSWAY AUTHORITY	Date 1973

FINAL SURVEY — SURVEYED, PLOTTED, NOTE BOOK, NO., DATE, BY, AREAS, AREAS CHECKED

ORIGINAL SURVEY — SURVEYED, PLOTTED, NOTE BOOK, NO., DATE, BY, AREAS, AREAS CHECKED

D-9
STA. 217+40
CONST. INLET TYPE BW
STANDARD DRAWING NO. 21
FL. EL. 40.6

D-8
STA. 217+00
CONST. INLET TYPE "Z"
INDEX NO. 5049
GRATE EL. 43.36
FL. EL. 40.7

D-7
STA. 216+51.61
CONST. INLET TYPE BW
STANDARD DRAWING NO. 21
FL. EL. 41.0

R/W

R.R. R/W

LINE "A" ℄

40.4

CONST. 60' OF 18" PIPE

40.7

40.7

41.0

CONST. 68' OF 15" PIPE

CONST. 32' OF 14" C.I.P. (INCLUDES ELBOW)

D-10
STA. 217+40
CONST "U" TYPE ENDWALL
WITH BAFFLES
INDEX NO. 1129
OUTLET EL. 19.0

EL. 20.8

216+51.61

D-7
D-8
D-9
D-10

D-5
STA. 212+50
CONST. INLET TYPE BW
STANDARD DRAWING NO. 21
FL. EL. 34.8

D-4
STA. 212+00
CONST. INLET TYPE BW
STANDARD DRAWING NO. 21
FL. EL. 35.2

40.38

40.38

39.72

R/W

R.R. R/W

LINE "A" ℄

34.8

℄ CONST. 104' OF 15" PIPE 106

35.2

212+00

D-4
D-5
D-6

D-6
STA. 212+50
CONST. "U" TYPE ENDWALL
WITH BAFFLES
INDEX NO. 1129
OUTLET EL. 18.2

CONST. 28' OF 14" C.I.P. (INCLUDES ELBOW)

20.0

130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100

DRAFT

AS BUILT
APR 81 1976

Contract No. 4

84
1

SCALE: 1" = 5' VERT.
1" = 10 HORIZ.

SECTION	CONTRACT	SOUTH CROSSTOWN EXPRESSWAY	SHEET NO.
10002	3504		23
By: WACO		TAMPA-HILLSBOROUGH COUNTY EXPRESSWAY AUTHORITY	Date: 1973

FINAL SURVEY — NOTE BOOK NO. — SURVEYED — PLOTTED — TEMPLATE — AREAS — AREAS CHECKED — BY — DATE

ORIGINAL SURVEY — NOTE BOOK NO. — SURVEYED — PLOTTED — TEMPLATE — AREAS — AREAS CHECKED — BY — DATE

D-15
STA. 228+00
CONST. INLET TYPE BW
STANDARD DRAWING NO. 21
FL. EL. 26.0

D-16
STA. 228+00
CONST. "U" TYPE ENDWALL
WITH BAFFLES
INDEX NO. 1129
OUTLET EL. 18.5

D-14
STA. 228+00
CONST. INLET TYPE BW
STANDARD DRAWING NO. 21
FL. EL. 26.4

R/W — LINE "A" — R/W

30.40 — 30.90 — 30.90 — 30.40

℄ CONST. 96' OF 15" PIPE

26.0 — 26.4

CONST. 16' OF 14" C.I.P. (INCLUDES ELBOW)

20.3 — 18.5

228+00

D-14
D-15
D-16

D-12
STA. 224+20
CONST. INLET TYPE BW
STANDARD DRAWING NO. 21
FL. EL. 35.1

D-11
STA. 224+20
CONST. INLET TYPE BW
STANDARD DRAWING NO. 21
FL. EL. 35.5

R/W — LINE "A" — R/W

40.02 — 40.02

35.1 — ℄ CONST. 96' OF 15" PIPE — 35.5

D-13
STA. 224+20
CONST. "U" TYPE ENDWALL
WITH BAFFLES
INDEX NO. 1129
OUTLET EL. 19.0

CONST. 26' OF 14" C.I.P. (INCLUDES ELBOW)

20.5 — 19.0

224+20

D-11
D-12
D-13

DRAFT

AS BUILT
APR 21 1976

Contract No. 4

84
1

K&E PLATE 3. CROSS SECTION
KEUFFEL & ESSER CO.

SCALE: 1" = 5' VERT.
1" = 10' HORIZ.

SECTION	CONTRACT	SOUTH CROSSTOWN EXPRESSWAY	SHEET NO
10002	3504		24
By WACO		TAMPA-HILLSBOROUGH COUNTY EXPRESSWAY AUTHORITY	Date 1973

FINAL SURVEY — NOTE BOOK — NO — DATE — BY — SURVEYED — PLOTTED — TEMPLATE — AREAS — AREAS CHECKED

ORIGINAL SURVEY — NOTE BOOK — NO — DATE — BY — SURVEYED — PLOTTED — TEMPLATE — AREAS — AREAS CHECKED

D-20
STA. 234+00
CONST. INLET TYPE "BW"
STANDARD DRAWING NO. 21
FL. EL. 25.5

D-21
STA. 234+00
CONST. U-TYPE ENDWALL
WITH BAFFLES
INDEX NO. 1129
OUTLET EL. 18.5

29.50 30.00 30.00 30.45

25.5

CONST. 17' OF 14" C.I.P. (INCLUDES ELBOW)

20.3

R/W LINE "A" R/W

234+00

D-20
D-21

D-19
STA. 231+22
CONST. INLET TYPE "Y"
INDEX NO. 5086
FL. EL. 17.1

D-18
STA. 231+22
CONST. INLET TYPE "Z"
INDEX NO. 5049
GRATE EL. 23.82
FL. EL. 21.1

D-17
STA. 231+22
CONST. INLET TYPE "Y"
INDEX NO. 5086
FL. EL. 21.3

2.583 2.583

2:1

20.9

CONST. 49' OF 18" PIPE 50'

21.1

CONST. 49' OF 18" PIPE 50'

21.3

17.1

CONST. 86' 85' OF 18" PIPE

R/W LINE "A" R/W

231+22

D-17
D-18
D-19

R/W R/W

2:1

CONNECT TO EXIST. INLET

30" PIPE

16.5

16.0

15.8

STA 230+50 (22' RT.) LINE A
EXIST. INLET TYPE "E"
INDEX NO. 5046
GRATE EL. 18.97
SLOT EL. 17.97
FL. EL. 16.0

STA 230+50 (26' LT.) LINE A
EXIST. INLET TYPE "E"
INDEX NO. 5046
GRATE EL. 19.77
SLOT EL. 18.77
FL. EL. 15.3

EXIST. 45' OF 24" PIPE

230+50 (LINE A)

130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100

AS BUILT
APR 21 1976

Contract No. 4.

84
1

SCALE: 1" = 5' VERT.
1" = 10 HORIZ.

SECTION	CONTRACT	SOUTH CROSSTOWN EXPRESSWAY	SHEET NO.
10002	3504		25
By WACO		TAMPA-HILLSBOROUGH COUNTY EXPRESSWAY AUTHORITY	Date 1973

FINAL SURVEY — SURVEYED — PLOTTED — TRACED — AREAS — AREAS CHECKED — NOTE BOOK — NO. — BY — DATE

ORIGINAL SURVEY — SURVEYED — PLOTTED — TRACED — AREAS — AREAS CHECKED — NOTE BOOK — NO. — BY — DATE

35 30 25 20 40 35 30 25 20 40 35 30 25 20 15

R/W — LINE "A" ℄ — R/W — LINE "A" ℄ — R/W — LINE "A" ℄ — R/W

D-29
STA 244+00
CONST INLET BW
STANDARD DRAWING NO. 21
FL. EL. 25.6

29.50 — 30.00 — 30.00 — 29.50

25.6

CONST 98' OF 15" PIPE

D-28
STA 244+00
CONST INLET TYPE "Y"
INDEX NO. 5086
FL. EL. 25.2

2:1

CONST. 38' OF 15" C.M.P. (INCLUDES ELBOW)

CONST. ELBOW — 14.0

244+00

D-27
D-28
D-29

D-27
STA. 244+00
CONST. U TYPE ENDWALL WITH BAFFLES
INDEX NO. 1129
FL. EL. 14.0

D-26
STA. 241+50
CONST. INLET TYPE BW
STANDARD DRAWING NO. 21
FL. EL. 33.2

36.97 — 37.47 — 37.47 — 36.97

33.2

CONST 98' OF 15" PIPE

32.8

D-25
STA. 241+50
CONST. INLET TYPE "Y"
INDEX NO. 5086
FL. EL. 32.8

2:1

CONST. 52' OF 18" C.M.P. (INCLUDES ELBOW)

CONST. ELBOW 14.2 — 13.8

241+50

D-24
D-25
D-26

D-24
STA. 241+50
CONST. U TYPE ENDWALL WITH BAFFLES
INDEX NO. 1129
FL. EL. 13.8

D-22
STA. 237+00
CONST. INLET TYPE BW
STANDARD DRAWING NO. 21
FL. EL. 34.3

38.43 — 38.43

34.3

CONST. 28' OF 14" C.I.P (INCLUDES ELBOW)

D-23
STA 237+00
CONST. U. TYPE END-WALL (WITH BAFFLES)
INDEX NO. 1129
OUTLET EL. 17.8

EL. 19.4

17.8

237+00

D-22
D-23

DRAFT

AS BUILT
APR 21 1976

130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110

Contract No. 4.

84
1

SCALE : 1" = 5' VERT.
1" = 10' HORIZ.

NO.	REVISION	BY	DATE
1	Relocated D-37, D-38, D-39 And Removed D-33, Add D-39A	M.F.	6-28-78

SECTION	CONTRACT	SOUTH CROSSTOWN EXPRESSWAY	SHEET NO.
10002	3504		26
By WACO		TAMPA-HILLSBOROUGH COUNTY EXPRESSWAY AUTHORITY	Date 1973

FINAL SURVEY — SURVEYED / PLOTTED / TEMPLATE / AREAS / AREAS CHECKED — NOTE BOOK — NO. — BY — DATE

ORIGINAL SURVEY — SURVEYED / PLOTTED / TEMPLATE / AREAS / AREAS CHECKED — NOTE BOOK — NO. — BY — DATE

D-39
STA. 252+53.27
CONST. INLET TYPE BW
STANDARD DRAWING NO. 21
FL. EL. 29.9

D-38
STA. 252+53
CONST. INLET TYPE Z
INDEX NO. 5049
GRATE EL. 33.47
FL. EL. 30.2

D-37
STA. 252+53
CONST. INLET TYPE BW
STANDARD DRAWING NO. 21
FL. EL. 30.5

D-39A
STA. 252+03
CONST. "U" TYPE ENDWALL WITH BAFFLES, INDEX NO. 1129
OUTLET EL. 16.1

R/W — LINE "A" ℄ — R/W

35.46 — 35.49 — 35.49 — 34.99

29.9 — CONST. 49' OF 18" PIPE 52' — 30.2 — CONST. 59' OF 15" PIPE 60' — 30.5

16.1

CONST. 18' OF 14" C.I.P. (INCLUDES ELBOW)

252+53

D-37
D-38
D-39
D-39A

D-34
STA. 250+00
CONST. INLET TYPE BW
STANDARD DRAWING NO. 21
FL. EL. 25.5

D-35
STA. 250+00
CONST. INLET TYPE BW
STANDARD DRAWING NO. 21
FL. EL. 25.1

D-36
STA. 250+00
CONST. "U" TYPE ENDWALL WITH BAFFLES, INDEX NO. 1129
OUTLET EL. 16.2

R/W — LINE "A" ℄ — R/W

29.54 — 30.04 — 30.04 — 29.54

25.1 — CONST. 96' OF 15" PIPE — 25.5

17.4 — CONST. 13' OF 14" C.I.P. (INCLUDES ELBOW)

16.2

250+00

D-34
D-35
D-36

D-32
STA. 246+91
CONST. INLET TYPE BW
STANDARD DRAWING NO. 21
FL. EL. 20.7

D-31
STA. 246+91
CONST. INLET TYPE "Z"
INDEX NO. 5049
GRATE EL. 23.61
FL. EL. 20.9

D-30
STA. 246+91
CONST. INLET TYPE BW
STANDARD DRAWING NO. 21
FL. EL. 21.1

R/W — LINE "A" ℄ — R/W

25.13 — 25.43 — 25.43 — 25.13

CONST. 10' OF 18" C.I.P. (INCLUDES ELBOW)

16.8 — 20.7 — CONST. 47' 48' OF 18" PIPE — 20.9 — CONST. 47' 48' OF 18" PIPE — 21.1

246+91

D-30
D-31
D-32

AS BUILT
APR 21 1976

140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90

Contract No. 4.

84

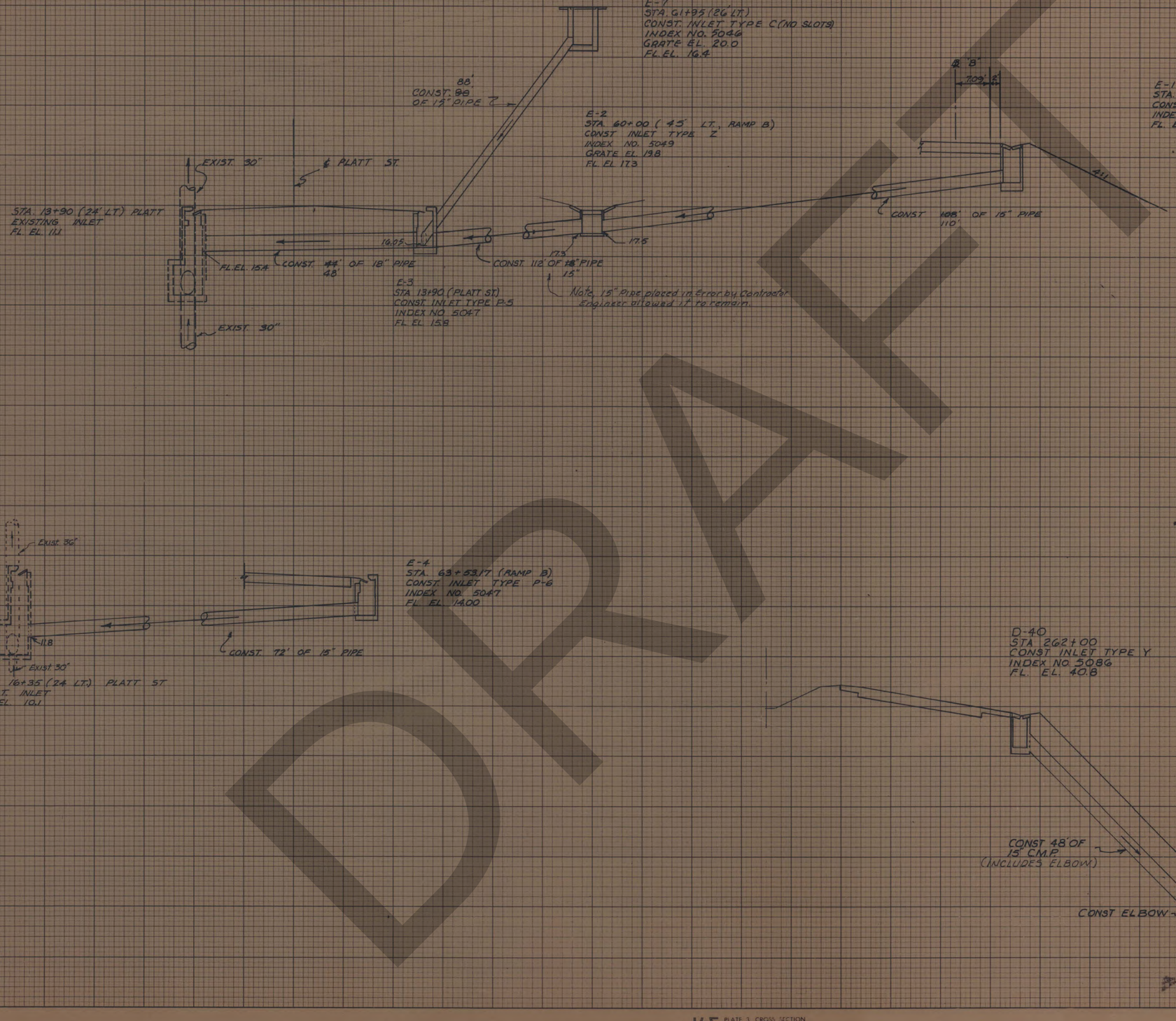
K-E PLATE 3. CROSS SECTION KEUFFEL & ESSER CO.

SCALE: 1"=5' VERT.
1"=10' HORIZ.

SECTION	CONTRACT	SOUTH CROSSTOWN EXPRESSWAY	SHEET NO.
10002	3504		27
By WACO		TAMPA-HILLSBOROUGH COUNTY EXPRESSWAY AUTHORITY	Date 1973

FINAL SURVEY — SURVEYED, PLOTTED, TEMPLATE, NOTE BOOK, AREAS, AREAS CHECKED, NO., BY, DATE

ORIGINAL SURVEY — SURVEYED, PLOTTED, TEMPLATE, NOTE BOOK, AREAS, AREAS CHECKED, NO. -, BY, DATE



DRAFT

AS BUILT
APR 21 1975

Contract No. 4.

84

K•E PLATE 3. CROSS SECTION
KEUFFEL & ESSER CO.

SCALE 1" = 5' VERT.
1" = 10' HORIZ.

SECTION	CONTRACT	SOUTH CROSSTOWN EXPRESSWAY	SHEET NO.
10002	3504		28
By WACO		TAMPA-HILLSBOROUGH COUNTY EXPRESSWAY AUTHORITY	Date 1973

FINAL SURVEY
NOTE BOOK
NO.
SURVEYED
PLOTTED
TEMPLATE
AREAS
AREAS CHECKED
BY
DATE

ORIGINAL SURVEY
NOTE BOOK
NO.
SURVEYED
PLOTTED
TEMPLATE
AREAS
AREAS CHECKED
BY
DATE



163+20 RAMP A

E-5
E-6

164+97.5 (RAMP A)

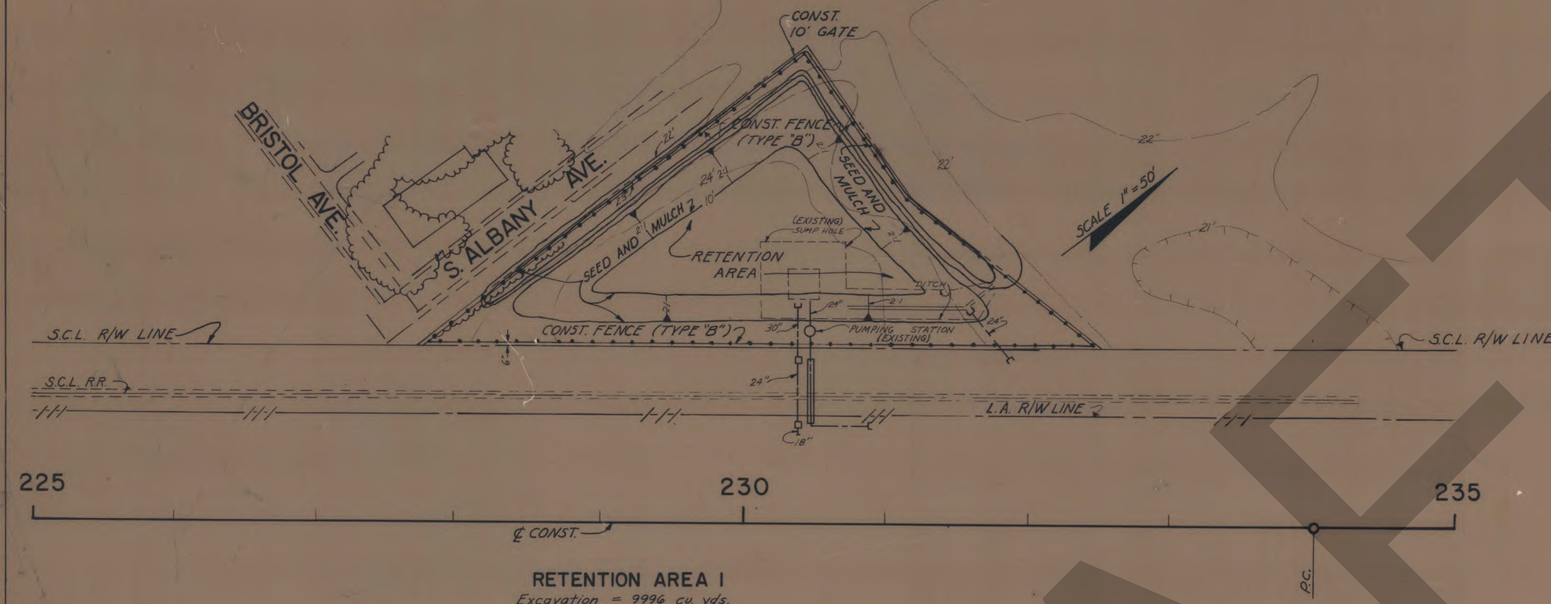
DRAFT

AS BUILT
APR 21 1978

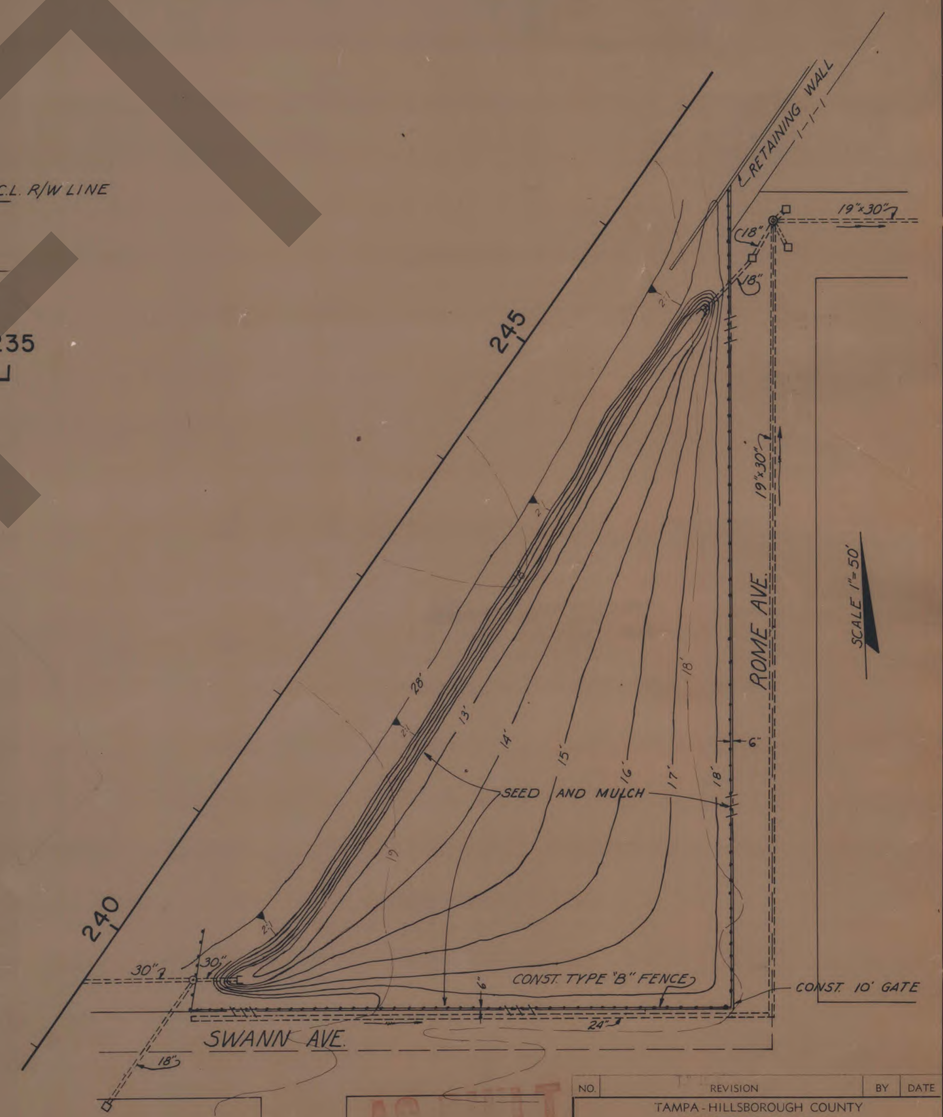
Contract No. 4.

84
1

SECTION	CONTRACT	SOUTH CROSSTOWN EXPRESSWAY	SHEET NO.
10002	3504		70
By: WACO	TAMPA-HILLSBOROUGH COUNTY EXPRESSWAY AUTHORITY		Date: 1973



RETENTION AREA 1
Excavation = 9996 cu. yds.



RETENTION AREA 2
Excavation = 10,992 cu. yds.

LEGEND

EXISTING CONTOURS ——— 18' ———
PROPOSED CONTOURS ——— 24' ———

AS BUILT

APR 21 1976

NO.	REVISION	BY	DATE

TAMPA - HILLSBOROUGH COUNTY
EXPRESSWAY AUTHORITY

SOUTH CROSSTOWN EXPRESSWAY

RETENTION AREA DETAILS

J. E. GREINER COMPANY — WATSON & COMPANY
CONSULTING ENGINEERS TAMPA, FLORIDA

MADE S.U. DATE 1973 | TRACED S.U. DATE 1973
CHECKED J.N.C. DATE 1973 | SCALE 1" = 50'

84
1

Contract No. 4.

DRAFT

SECTION	CONTRACT	SOUTH CROSSTOWN EXPRESSWAY	SHEET
10002	3505		1
By WACO		TAMPA-HILLSBOROUGH COUNTY EXPRESSWAY AUTHORITY	Date 1974

THIS CONTRACT INCLUDES:

1. ROADWAY PLANS
2. SIGNING PLANS
3. SIGNALIZATION PLANS
4. LIGHTING PLANS
5. BRIDGE AND RETAINING WALL PLANS
6. WATER LINE RELOCATION PLANS
7. SANITARY SEWER RELOCATION PLANS
8. RIGHT-OF-WAY MAPS

FOR INDEX OF PLANS, SEE APPROPRIATE PLAN SETS

TAMPA-HILLSBOROUGH COUNTY EXPRESSWAY AUTHORITY

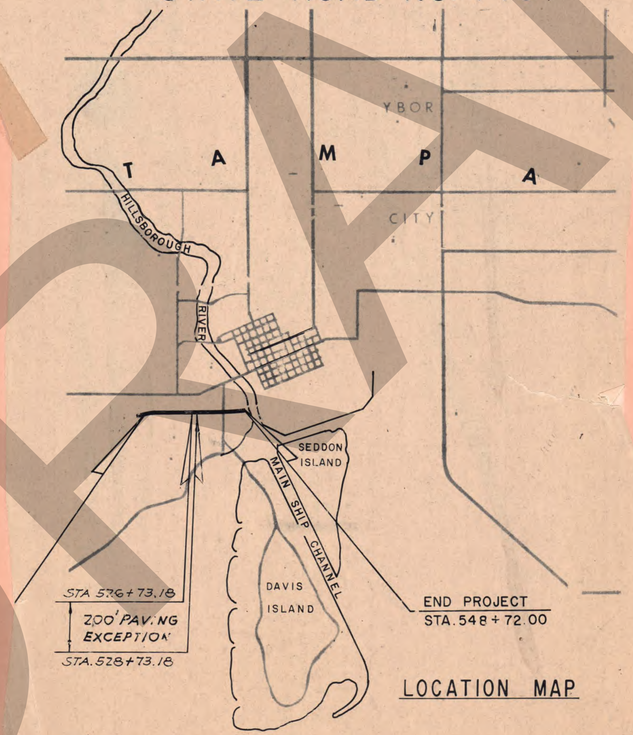
—PLANS OF PROPOSED—

SOUTH CROSSTOWN EXPRESSWAY

HILLSBOROUGH COUNTY TAMPA, FLORIDA

STATE JOB NO. 10002-3505-032

STATE ROAD NO. 449



LOCATION MAP

CONTRACT NO. 5

WILLOW AVENUE TO BAYSHORE BOULEVARD

Greiner Engineering Sciences, Inc. - WATSON AND COMPANY

Consulting Engineers
To The Tampa - Hillsborough County Expressway Authority

P.O. BOX 23646
TAMPA, FLORIDA 33622
813/879-1711

CONTRACT NUMBER 5 - State Job No. 10002-3505

Description	Drawing Number Sheet No.
Cover Sheet - Willow Ave. to Bayshore Boulevard	1
Drainage	2 & 3
Typical Sections	4,5 & 6
Miscellaneous Details	7
Summary of Quantity	8
Plan and Profiles	9
Alignment Control	10 and 11
Plan and Profile	12 through 15
Drainage Profiles	16 through 26
Willow Ave. Interchange Layout	27
Terminal Detail Ramp "C"	28 & 29
Terminal Detail Ramp "D"	30 & 31
Plan & Profile - Ramp "C" Willow Ave. Interchange	32
Plan & Profile - Ramp "D" Willow Ave. Interchange	33
Plan & Profile Interchange Layout	34
Terminal Details Ramp "E"	35 & 36
Terminal Details Ramp "F"	37 & 38
Plan & Profiles Plant Ave. Interchange Ramp "E"	39
Plan & Profiles Plant Ave. Interchange Ramp "F"	40
Brorein St. Widening Details	41
Brorein St. Widening Profiles	42
Special Profiles for Toll Plaza Transitions	43
Cardy Street Plan and Profile	44
12'x5' Box Culvert Sta. 508+4.13	BC-1 & 2
Cover Sheet Waterline Relocation	WL-1
Waterline Quantities	WL-2
Standard Details	WL-3 & WL-4
Plan and Profile	WL-5,6 & 7
Cover Sheet Sanitary Sewer Relocation	
Summary of Quantities	SS-1
Location Map	SS-2
Plan and Profile	SS-3 through 6A
Miscellaneous Details	SS-7
Cover Sheet Willow Ave. to Bayshore Blvd.	T-1
Summary of Quantities	T-2
General Notes Signalization	T-3
Conventional Signal Symbols	T-4
Typical Installation Details	T5,6 & 7
Pole Schedule	T-8
Signalization Plan Platt St. & Willow Ave.	T-9
Signalization Plan Brorein, Plant, Hyde Park	T-10
Prestressed Concrete Pole	T-11
Steel Pole Detail	T-12

Total No. Mylar Sheets 58.

AS BUILT

84/1

DRAFT

SECTION	CONTRACT	SOUTH CROSSTOWN EXPRESSWAY	SHEET NO
10002	3505		1
By WACO		TAMPA-HILLSBOROUGH COUNTY EXPRESSWAY AUTHORITY	Date 1974

THIS CONTRACT INCLUDES:

1. ROADWAY PLANS
2. SIGNING PLANS
3. SIGNALIZATION PLANS
4. LIGHTING PLANS
5. BRIDGE AND RETAINING WALL PLANS
6. WATER LINE RELOCATION PLANS
7. SANITARY SEWER RELOCATION PLANS
8. RIGHT-OF-WAY MAPS

FOR INDEX OF PLANS, SEE APPROPRIATE PLAN SETS

TAMPA-HILLSBOROUGH COUNTY EXPRESSWAY AUTHORITY

—PLANS OF PROPOSED—

SOUTH CROSSTOWN EXPRESSWAY

HILLSBOROUGH COUNTY TAMPA, FLORIDA

STATE JOB NO. 10002-3505-032

STATE ROAD NO. 449

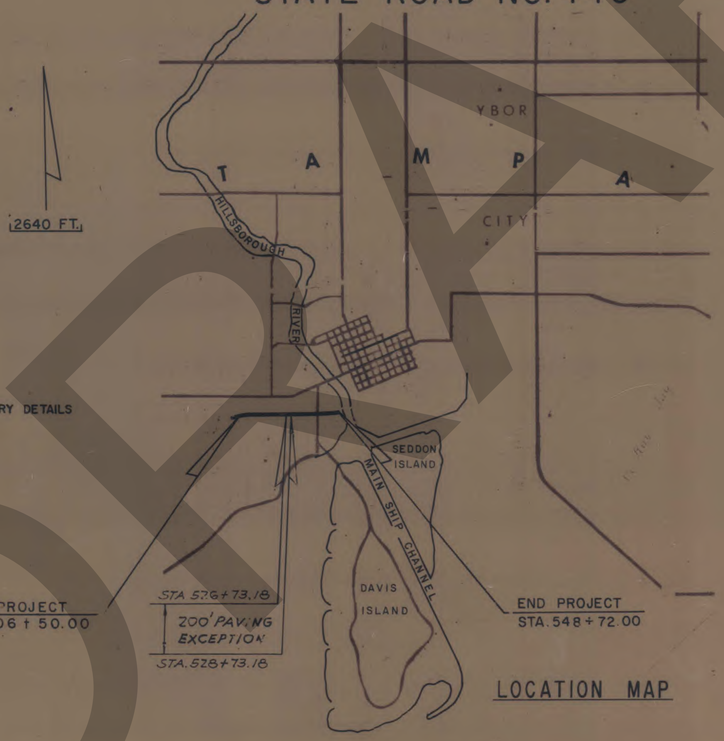
INDEX OF ROADWAY PLANS

SHEET NO	SHEET DESCRIPTION
1	KEY MAP
2-3	DRAINAGE MAPS
4-6	TYPICAL SECTIONS
7	MISCELLANEOUS DETAILS
8	SUMMARY OF QUANTITIES
9	MASS DIAGRAM
10-11	ALIGNMENT CONTROL
12-15	PLAN AND PROFILE
16-26	DRAINAGE STRUCTURES
27-42	INTERCHANGE DETAILS AND PROFILES
43-44	SPECIAL PROFILES
45-83	ROADWAY CROSS-SECTIONS
84-93	APPROACH SLAB DETAILS
94	PROJECT INFORMATION SIGN
95	BORROW AREA ONE
96	MAIN LINE TOLL PLAZA GRADING PLAN
97	DRAINAGE DETAILS INLET TYPE BW
BC1-BC2	BOX CULVERTS

INDEX OF STANDARDS

STANDARD DRAWING NO.

INDEX NO.	194	STANDARD ABBREVIATIONS (2 SHEETS)
INDEX NO.	195	STANDARD SYMBOLS FOR KEY MAPS AND PLAN SHEETS (3 SHEETS)
INDEX NO.	1101-W	MISC. ROADWAY CONST. DETAILS (2 SHEETS)
INDEX NO.	1331-C	SUPPLEMENTARY DETAILS FOR INLET BOXES
INDEX NO.	2300-R	GUARDRAIL CONSTRUCTION (4 SHEETS)
INDEX NO.	5010-H	SUPERELEVATION DETAILS
INDEX NO.	5046-D	STANDARD DITCH BOTTOM INLET TYPES C,D,E,& H AND SUPPLEMENTARY DETAILS
INDEX NO.	5047-G	INLET, MANHOLE, AND JUNCTION BOX TYPES P AND J (2 SHEETS)
INDEX NO.	5048-B	INLET TYPE X
INDEX NO.	5049-A	INLET TYPE Z
INDEX NO.	5061-E	MISC. DRAINAGE DETAILS (2 SHEETS)
INDEX NO.	5072-G	DETAILS OF FENCING (2 SHEETS)
INDEX NO.	5073-L	STANDARD DETAILS FOR RAMP TERMINALS (3 SHEETS)
INDEX NO.	5080-G	CURB, CURB & GUTTER & TRAFFIC SEPARATOR (2 SHEETS)
INDEX NO.	5086-A	SHOULDER GUTTER INLET TYPE Y



LOCATION MAP



LENGTH OF PROJECT		
	LIN. FT.	MILES
ROADWAY	3,232.00	0.612
BRIDGES	990.00	0.187
NET LENGTH	4,222.00	0.799
EXCEPTIONS	0.00	0.000
GROSS LENGTH	4,222.00	0.799

LOCATION OF BRIDGES			
STRUCTURE	BEGIN STA.	END STA.	LENGTH
EXPRESSWAY OVER WILLOW AVENUE	507+55.13	509+26.13	171.00'
EXPRESSWAY OVER SOUTH BOULEVARD	521+04.78	522+58.78	154.00'
EXPRESSWAY OVER HYDE PARK AVE. & PLANT AVENUE	536+04.59	542+69.59	665.00'

GENERAL SPECIFICATIONS

FLORIDA DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION-1973 OR AS MODIFIED BY THE CONTRACT SPECIAL PROVISIONS.

ATTENTION IS DIRECTED TO THE FACT THAT THESE PLANS MAY HAVE BEEN REDUCED IN SIZE BY REPRODUCTION. THIS MUST BE CONSIDERED WHEN OBTAINING SCALED DATA.

DRAFT
AS BUILT
NOV 26 1975
AS BUILT
AS BUILT

APPROVAL RECOMMENDED _____

BY _____

APPROVED _____

BY _____ CHAIRMAN

TAMPA-HILLSBOROUGH COUNTY EXPRESSWAY AUTHORITY

CONTRACT NO. 5

WILLOW AVENUE TO BAYSHORE BOULEVARD

J. E. GREINER COMPANY, INC. CONSULTING ENGINEERS

WATSON AND COMPANY TAMPA, FLORIDA

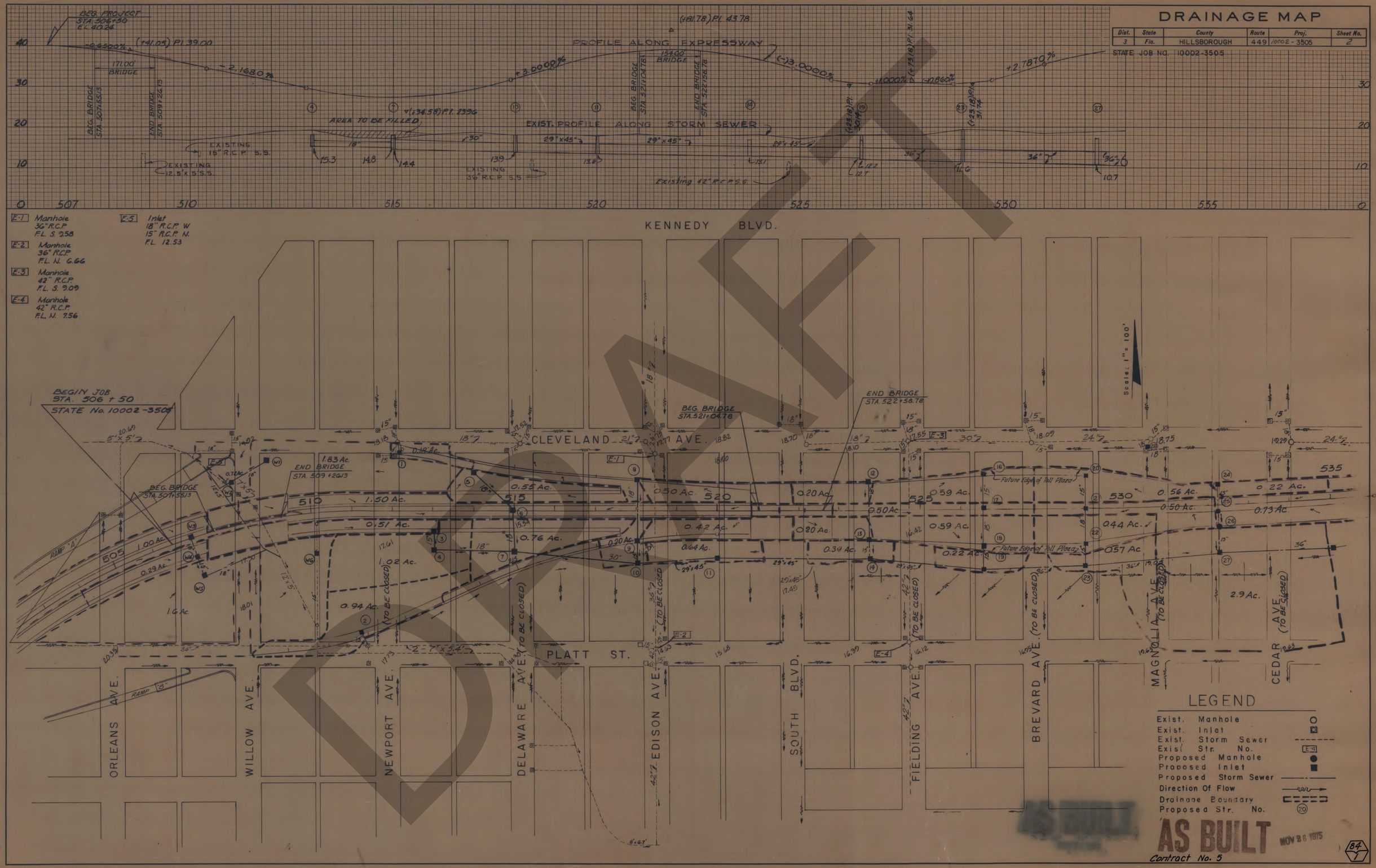
SUBMITTED William D. Foster DATE 4/15/74

84/1

DRAINAGE MAP

Dist.	State	County	Route	Proj.	Sheet No.
3	Fla.	HILLSBOROUGH	449	10002 - 3505	2

STATE JOB NO. 10002-3505



AS BUILT

NOV 26 1975

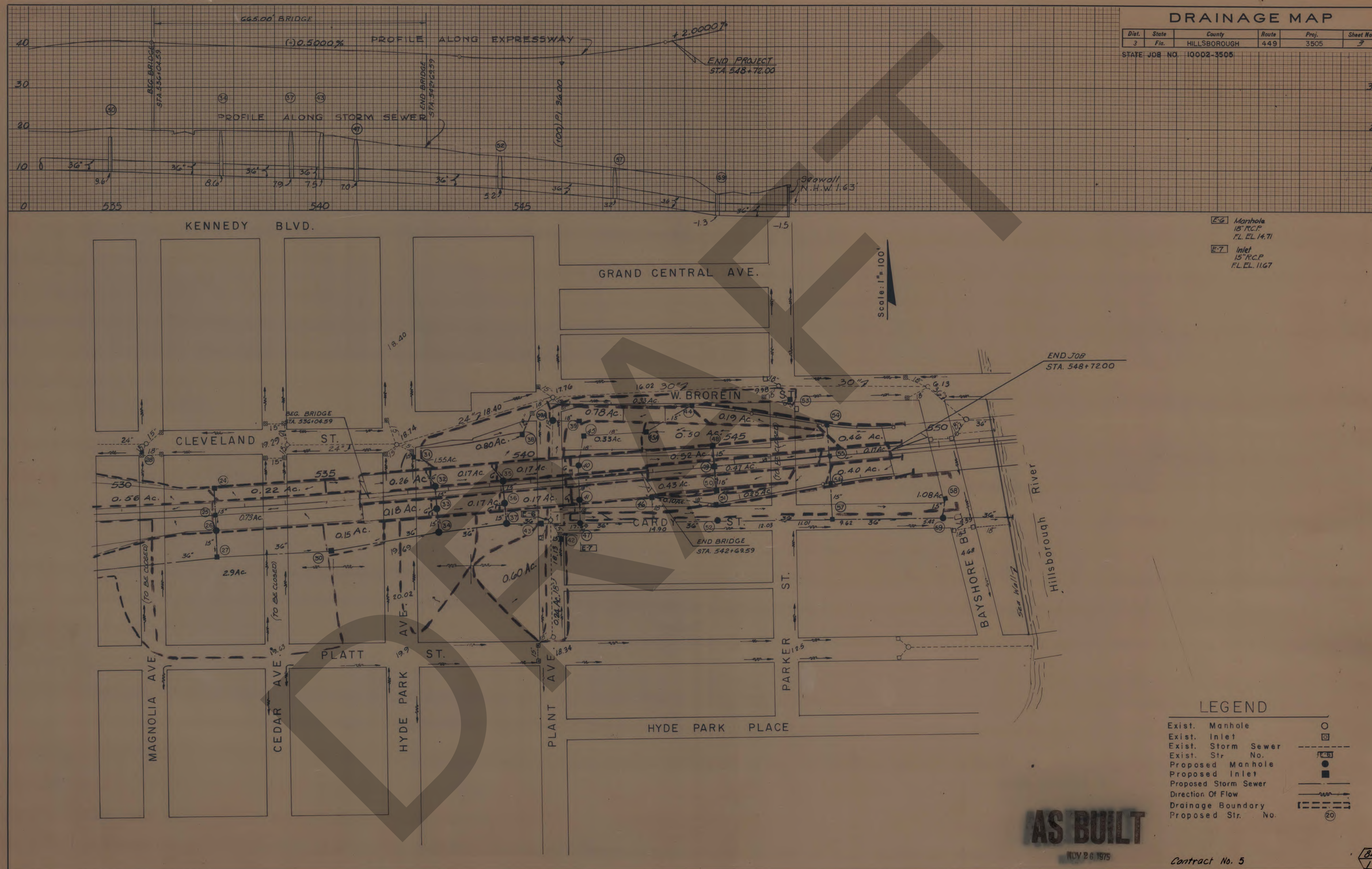
Contract No. 5

84/1

DRAINAGE MAP

Dist.	State	County	Route	Proj.	Sheet No.
3	Fla.	HILLSBOROUGH	449	3505	3

STATE JOB NO. 10002-3505



LEGEND

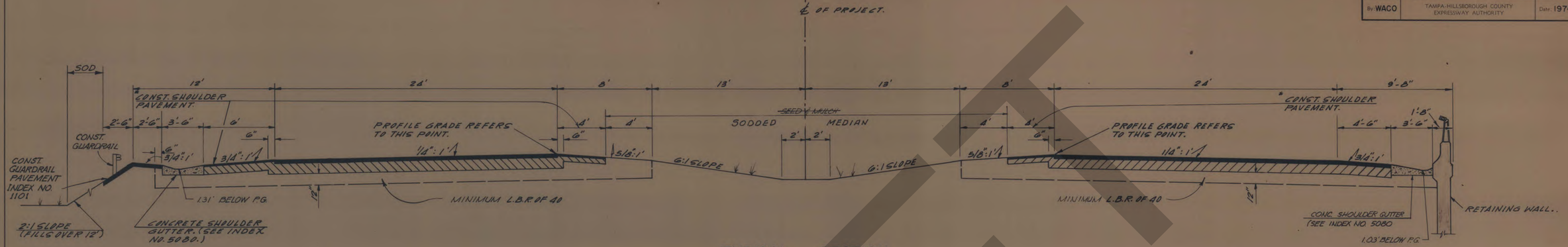
Exist. Manhole	○
Exist. Inlet	⊡
Exist. Storm Sewer	- - - - -
Exist. Str. No.	E-6
Proposed Manhole	●
Proposed Inlet	■
Proposed Storm Sewer	——
Direction Of Flow	——→
Drainage Boundary	▭
Proposed Str. No.	(20)

AS BUILT
NOV 26 1975

Contract No. 5

84/1

SECTION	CONTRACT	SOUTH CROSSTOWN EXPRESSWAY	SHEET NO.
10002	3505		4
By WACO	TAMPA-HILLSBOROUGH COUNTY EXPRESSWAY AUTHORITY		Date 1974

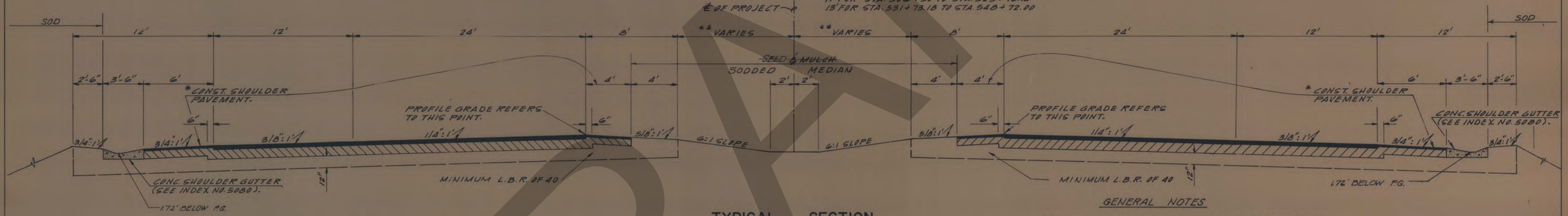


TYPICAL SECTION

LIMEROCK BASE (10" THICK, DOUBLE COURSE) PRIMED, WITH TYPE S-I ASPHALTIC CONC. (2" THICK.) AND ASPHALTIC CONC. WEARING COURSE (1" THICK).

DESIGN SPEED 50 M.P.H.

* NOTE - SHOULDER PAVEMENT SHALL BE EITHER LIMEROCK BASE (8" THICK) PRIMED, WITH TYPE S-I ASPHALTIC CONC. (1" THICK) AND ASPHALTIC CONC. WEARING COURSE (1" THICK) (ALT "E") OR (ALT "G") SAND-ASPHALT HOT MIX (8" THICK) (800 LB. STABILITY) AND ASPHALTIC CONCRETE WEARING COURSE (1" THICK).
Note ALT "F" WAS USED FOR SHOULDER BASE



** NOTE:
11' FOR STA. 506+30 TO STA. 523+78.18
13' FOR STA. 531+78.18 TO STA. 548+72.00

EXPRESSWAY WITH ADDED SPEED CHANGE LANES

TYPICAL SECTION

DESIGN SPEED 50 M.P.H.



TYPICAL SECTION THRU TOLL PLAZA

TYPICAL SECTION THRU TOLL PLAZA
STA. 526+78.18 TO STA. 528+78.18

GENERAL NOTES

1. SOD ALL SLOPES STEEPER THAN 4:1 FROM EDGE OF PAVED SHOULDER TO TOE OF SLOPE, EXCLUDING SHOULDER GUTTER AND GUARDRAIL PAVEMENT.
2. SOD 2' ADJACENT TO PAVED SHOULDER IN SUPERELEVATION SECTIONS WHEN ROADWAY WATER DRAINS TO MEDIAN DITCH.
3. WHERE SHOULDER PAVEMENT ADJACENT TO SHOULDER GUTTER IS LESS THAN 6' WIDE, IT SHALL BE IDENTICAL TO THE ADJACENT ROADWAY PAVEMENT.
4. THE ASPHALTIC CONCRETE WEARING COURSE IS RESTRICTED TO ALTERNATES 1, 2 OR 3

NOTE - PAVEMENT NOT INCLUDED IN THIS CONTRACT.

AS BUILT
NOV 26 1975

NO	REVISION	BY	DATE

TAMPA - HILLSBOROUGH COUNTY EXPRESSWAY AUTHORITY

SOUTH CROSSTOWN EXPRESSWAY

TYPICAL SECTIONS

J. E. GREINER COMPANY — WATSON & COMPANY
CONSULTING ENGINEERS — TAMPA, FLORIDA

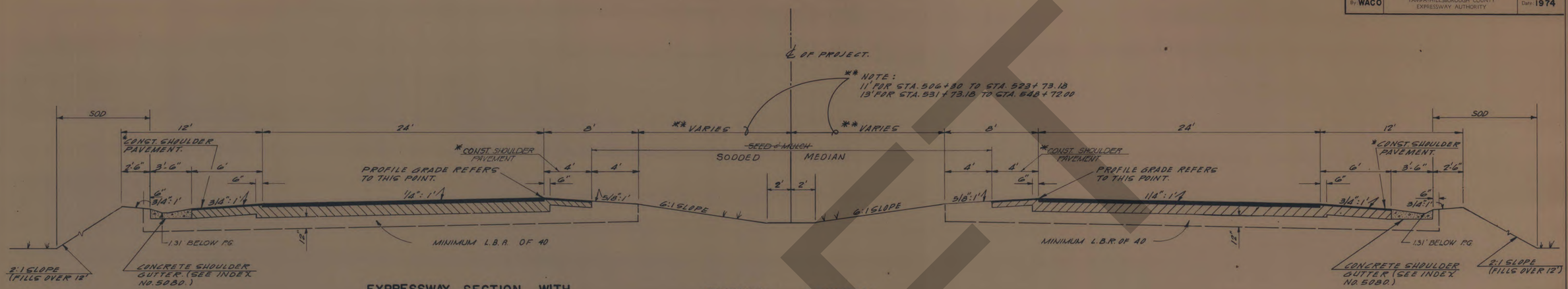
MADE J.H. DATE 1974 | TRACED H.L. DATE 1974
CHECKED J.N.G. DATE 1974 | SCALE NOT TO SCALE

84/1

Contract No. 5

DRAFT

SECTION	CONTRACT	SOUTH CROSSTOWN EXPRESSWAY	SHEET NO.
10002	3505		5
By WACO		TAMPA-HILLSBOROUGH COUNTY EXPRESSWAY AUTHORITY	Date 1974



EXPRESSWAY SECTION WITH SHOULDER GUTTER

TYPICAL SECTION

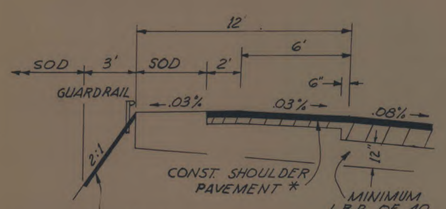
LIMEROCK BASE (10" THICK, DOUBLE COURSE) PRIMED, WITH TYPE S-I ASPHALTIC CONC. (2" THICK) AND ASPHALTIC CONC. WEARING COURSE (1" THICK).

DESIGN SPEED 50 M.P.H.

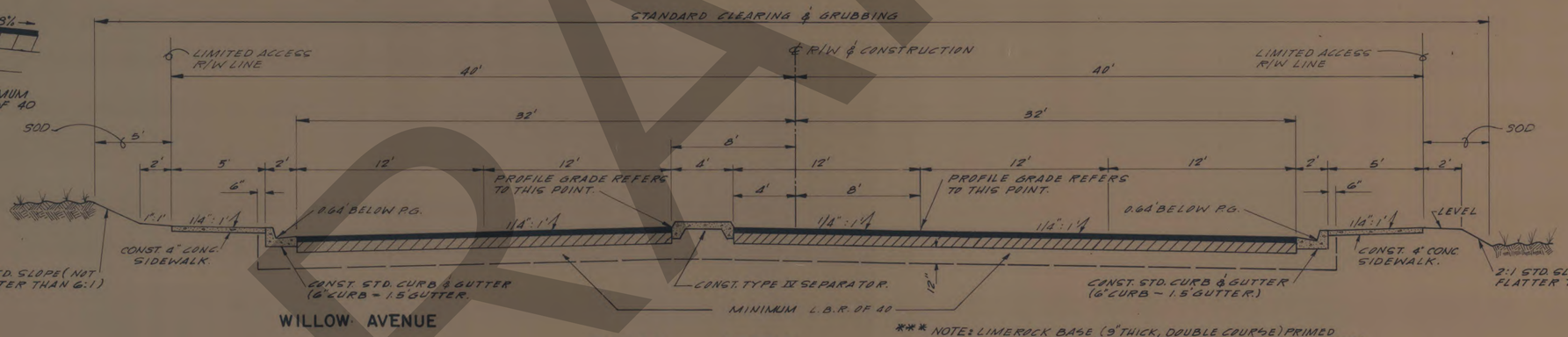
* NOTE

SHOULDER PAVEMENT SHALL BE EITHER LIMEROCK BASE (5" THICK) PRIMED, WITH TYPE S-I ASPHALTIC CONC. (1" THICK) AND ASPHALTIC CONC. WEARING COURSE (1" THICK) (ALT "F") OR (ALT "S") SAND-ASPHALT HOT MIX (5" THICK) (800 LB. STABILITY) AND ASPHALTIC CONCRETE WEARING COURSE (1" THICK).

Note, "ALT. F" WAS USED FOR SHOULDER BASE



EXPRESSWAY

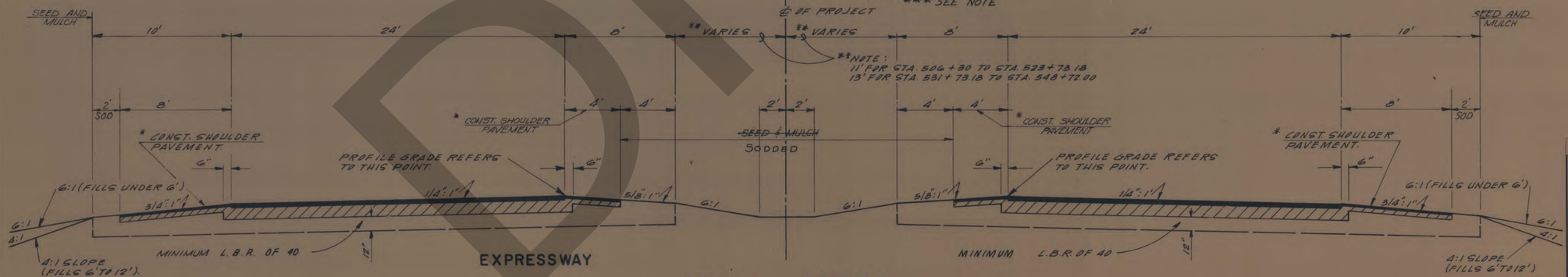


WILLOW AVENUE

*** NOTE: LIMEROCK BASE (9" THICK, DOUBLE COURSE) PRIMED WITH TYPE S-I ASPHALT CONC. (3" THICK, DOUBLE COURSE) (BOTTOM LAYER 1½" THICK - TOP LAYER 1½" THICK).

TYPICAL SECTION

DESIGN SPEED 35 M.P.H.
*** SEE NOTE



EXPRESSWAY

LIMEROCK BASE (10" THICK, DOUBLE COURSE) PRIMED, WITH TYPE S-I ASPHALTIC CONC. (2" THICK) AND ASPHALTIC CONC. WEARING COURSE (1" THICK)

TYPICAL SECTION

DESIGN SPEED 50 M.P.H.

AS BUILT
NOV 26 1975

NO.	REVISION	BY	DATE

TAMPA - HILLSBOROUGH COUNTY EXPRESSWAY AUTHORITY

SOUTH CROSSTOWN EXPRESSWAY

TYPICAL SECTIONS

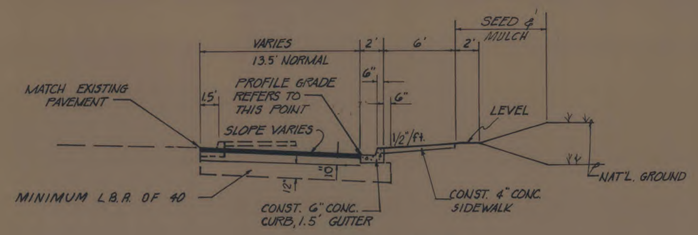
J. E. GREINER COMPANY — WATSON & COMPANY
CONSULTING ENGINEERS — TAMPA, FLORIDA

MADE J.H.	DATE 1974	TRACED H.L.	DATE 1974
CHECKED J.N.C.	DATE 1974	SCALE NOT TO SCALE	84/1

Contract No. 5

DRAFT

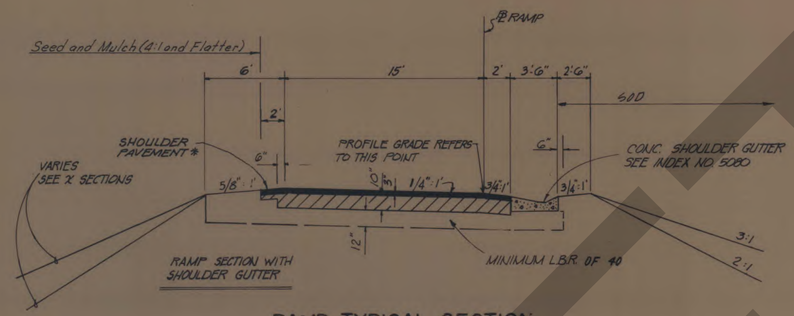
SECTION	CONTRACT	SOUTH CROSSTOWN EXPRESSWAY	SHEET NO.
10002	3505		6
By: WACO	TAMPA-HILLSBOROUGH COUNTY EXPRESSWAY AUTHORITY		Date: 1974



BROREIN STREET
TYPICAL SECTION

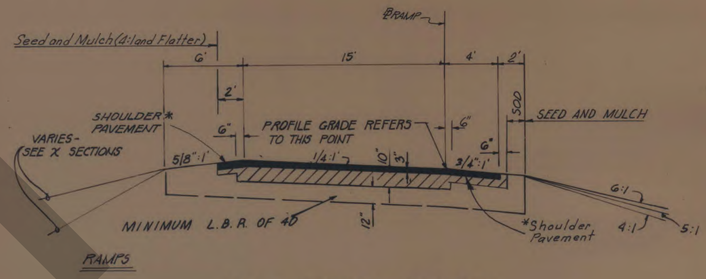
LIMEROCK BASE 9"THICK DOUBLE COURSE) PRIMED WITH TYPE S-1 ASPHALTIC CONCRETE (3"THICK, DOUBLE COURSE) (BOTTOM LAYER 1½" THICK, TOP LAYER 1½" THICK)

DESIGN SPEED 35 M.P.H.



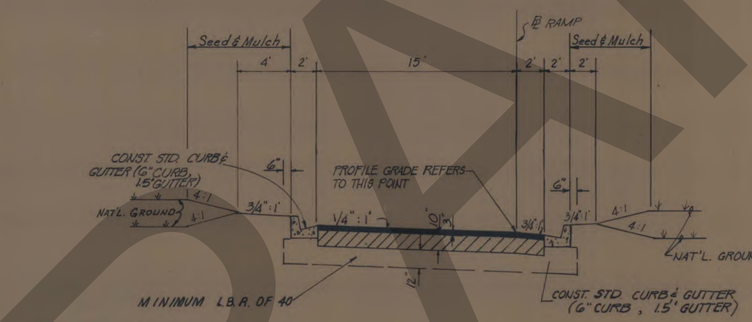
RAMP TYPICAL SECTION

DESIGN SPEED 35 M.P.H.



RAMP TYPICAL SECTION

DESIGN SPEED 35 M.P.H.

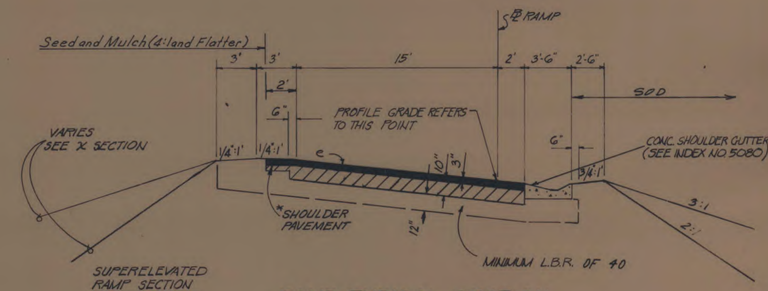


RAMP SECTION WITH STANDARD CURB & GUTTER

RAMP TYPICAL SECTION

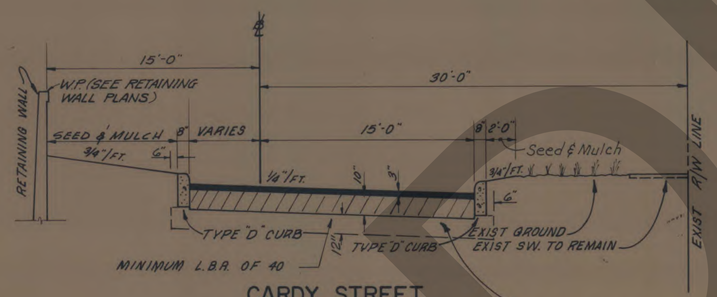
LIMEROCK BASE (10" THICK, DOUBLE COURSE) PRIMED, WITH TYPE S-1 ASPHALTIC CONCRETE (2" THICK) AND ASPHALTIC CONC. WEARING COURSE (1" THICK)

DESIGN SPEED 35 M.P.H.



RAMP TYPICAL SECTION

DESIGN SPEED 35 M.P.H.



CARDY STREET
TYPICAL SECTION

LIMEROCK BASE (9" THICK, DOUBLE COURSE) PRIMED, WITH TYPE S-1 ASPHALTIC CONCRETE (3" THICK, DOUBLE COURSE) (BOTTOM LAYER 1½" THICH, TOP LAYER 1½" THICK).

Note, Stabilization Was Deleted on Cardy St. due to high utility lines, also low traffic Volume. Stabilization was not required by City Standards.

* For Shoulder Pavement Notes See Sheet # 4

DRAFT

AS BUILT

NOV 26 1975

NO.	REVISION	BY	DATE

TAMPA - HILLSBOROUGH COUNTY EXPRESSWAY AUTHORITY

SOUTH CROSSTOWN EXPRESSWAY

TYPICAL SECTIONS

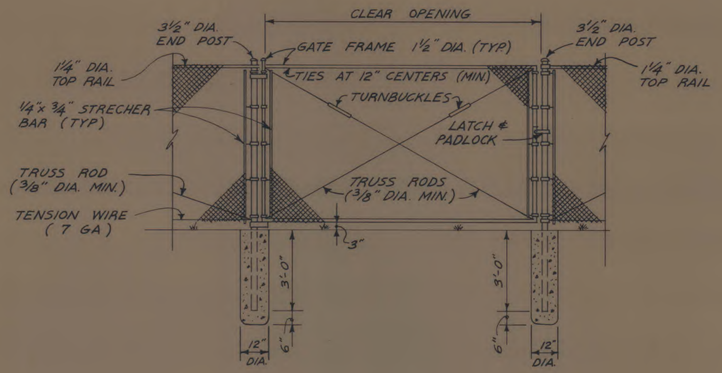
J. E. GREINER COMPANY — WATSON & COMPANY
CONSULTING ENGINEERS TAMPA, FLORIDA

MADE J.H. DATE 1974 TRACED H.L. DATE 1974
CHECKED J.N.C. DATE 1974 SCALE NOT TO SCALE

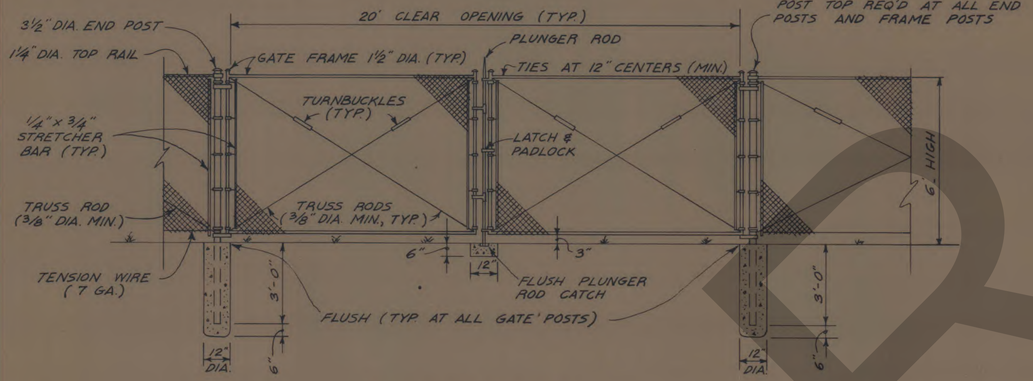
04
1

Contract No. 5

SECTION	CONTRACT	SOUTH CROSSTOWN EXPRESSWAY	SHEET NO.
10002	3505		7
By: WACO	TAMPA-HILLSBOROUGH COUNTY EXPRESSWAY AUTHORITY		Date: 1974



DETAILS OF 4' OR 10' GATE
NO SCALE
(2-4' 1-10')



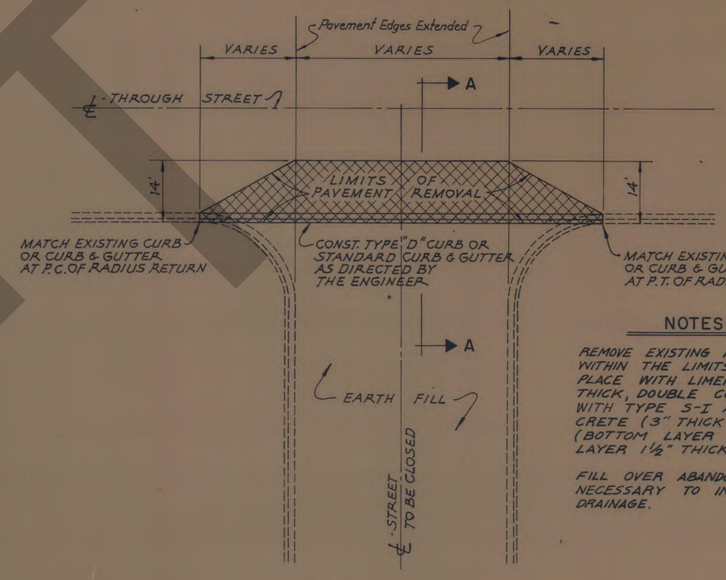
DETAILS OF 20' GATE
NO SCALE
(1 REQUIRED)

UTILITY OWNERS

1. Tampa Electric Co.
2. Peoples Gas System
3. General Telephone Co.
4. City of Tampa Water Dept.
5. City of Tampa Sanitary Sewer Dept.

GENERAL NOTES

1. B.M. Datum U.S.C. & G.S.
2. All utilities shown on the plans are taken from information supplied by utility owners. These are shown for information purposes only and the contractor will be responsible for verification of the exact location of all utilities.
3. Except for City of Tampa water and sewer lines, all utilities are to be adjusted by others as directed by the engineer.
4. Toll Plaza Site work to be completed within 90 days after notice to proceed.
5. Grades shown are finished grades.

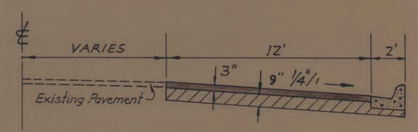


STREET TERMINAL DETAILS
Not to Scale

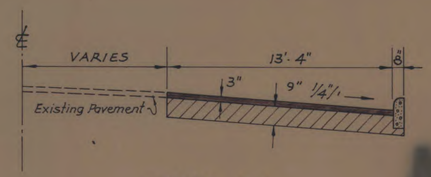
NOTES

REMOVE EXISTING PAVEMENT & BASE WITHIN THE LIMITS SHOWN & REPLACE WITH LIMEROCK BASE (9" THICK, DOUBLE COURSE) PRIMED, WITH TYPE S-I ASPHALTIC CONCRETE (3" THICK, DOUBLE COURSE) (BOTTOM LAYER 1½" THICK, TOP LAYER 1½" THICK).

FILL OVER ABANDONED STREET AS NECESSARY TO INSURE PROPER DRAINAGE.



SECTION A-A
(STANDARD CURB & GUTTER)



SECTION A-A
(TYPE D CURB)

AS BUILT
NOV 26 1975

NO.	REVISION	BY	DATE

TAMPA-HILLSBOROUGH COUNTY EXPRESSWAY AUTHORITY

SOUTH CROSSTOWN EXPRESSWAY

MISCELLANEOUS DETAILS

J. E. GREINER COMPANY — WATSON & COMPANY
CONSULTING ENGINEERS TAMPA, FLORIDA

MADE J.H.	DATE 1974	TRACED H.L.	DATE 1974
CHECKED J.N.G.	DATE 1974	SCALE NOT TO SCALE	84 / 1

Contract No. 5

DRAFT

SECTION	CONTRACT	SOUTH CROSSTOWN EXPRESSWAY	SHEET NO.
10002	3505		8
By: WACO	TAMPA-HILLSBOROUGH COUNTY EXPRESSWAY AUTHORITY		Date 1974

SUMMARY OF ROADWAY QUANTITIES

	ITEM NO.	ITEM	AS BUILT QUANTITY	UNIT	QUANTITY
	101-1	MOBILIZATION		LUMP SUM	1
	102-1	MAINTENANCE OF TRAFFIC		LUMP SUM	1
	102-4	CALCIUM CHLORIDE FOR DUST CONTROL	0	TON	23
	104-1	ARTIFICIAL COVERINGS	0	SQ. YD.	887
	104-2	MULCHING (TEMPORARY)	4435	SQ. YD.	4435
	104-3	SODDING (TEMPORARY)	0	SQ. YD.	4435
	104-4	MOWING	7	ACRE	5
	104-5	SANDBAGGING	10.5	CU. YD.	20
	104-6	SLOPE DRAINS (TEMPORARY)	51	LIN. FT.	85
	110-1	CLEARING AND GRUBBING	1	LUMP SUM	1
	120-6	EMBANKMENT	394,565	CU. YD.	383,648
	120-8	FINAL DRESSING	1	LUMP SUM	1
	160-4	TYPE B STABILIZATION	45,617	SQ. YD.	48,648
	200-1-8	LIMEROCK BASE (5" THICK)	6756	SQ. YD.	6,572
Sh'ld. ALT. F	300-1-1B	BITUMINOUS MATERIAL (PRIME COAT)	763	GAL.	978
	300-1-3B	BITUMINOUS MATERIAL (TACK COAT)	521	GAL.	261
	300-1-13B	BITUMINOUS MATERIAL (PLANT MIX) (AC-20)	5651	GAL.	4,987
	331-1-1	TYPE S-1 ASPHALTIC CONCRETE (1" THICK)	8164	SQ. YD.	7,160
Sh'ld. ALT. G	300-1-3C	BITUMINOUS MATERIAL (TACK COAT)		GAL.	261
	335-1-61	SAND-ASPHALT HOT MIX (5" THICK) (800 LB. STABILITY)	9396	SQ. YD.	6522
	200-1-3	LIMEROCK BASE (10" THICK) [DOUBLE COURSE]	28,297	SQ. YD.	27,974
	200-1-7	LIMEROCK BASE (9" THICK) [DOUBLE COURSE]	9396	SQ. YD.	6,853
	300-1-1A	BITUMINOUS MATERIAL (PRIME COAT)	5015.	GAL.	5,224
	300-1-3A	BITUMINOUS MATERIAL (TACK COAT)	2164	GAL.	1,393
	300-1-13A	BITUMINOUS MATERIAL (PLANT MIX) (AC-20)	97,612	GAL.	90,756
	331-1-5	TYPE S-1 ASPHALTIC CONCRETE (2" THICK)	28,403	SQ. YD.	28,548
	331-1-9	TYPE S-1 ASPHALTIC CONCRETE (3" THICK) [DOUBLE COURSE]	8,365	SQ. YD.	6,853
Sh'ld. ALT. G	300-1-13C	BITUMINOUS MATERIAL (PLANT MIX) (AC-20)		GAL.	23,019
	338-70-1	ASPHALTIC CONCRETE WEARING COURSE (1" THICK)	41,370	SQ. YD.	35,708
	339-70	MISCELLANEOUS ASPHALT PAVEMENT [PAVEMENT UNDER GUARDRAIL]	398.28	TON	383
	360-1	CONCRETE APPROACH SLABS	12	EACH	12
	400-1-15	CLASS I CONCRETE (MISCELLANEOUS)	0.65	CU. YD.	10
	400-2-1	CLASS II CONCRETE (CULVERTS)	415.28	CU. YD.	485
	415-1-1	REINFORCING STEEL (ROADWAY)	46,602	POUND	55,616
	425-1-1	INLETS (CURB)	12	EACH	12
	425-1-2	INLETS (DITCH BOTTOM)	22	EACH	23
	425-1-3	INLETS (SPECIAL) [TYPE BW]	1	EACH	1
	425-2	MANHOLES	15	EACH	21
	425-2-9	MANHOLES (PARTIAL)	4	EACH	3
	425-74	SHOULDER GUTTER INLETS	16	EACH	16
	430-1-22	CONCRETE PIPE CULVERT (15") [STORM SEWER]	854	LIN. FT.	854
	430-1-23	CONCRETE PIPE CULVERT (18") [STORM SEWER]	2,220	LIN. FT.	2,224
	430-1-25	CONCRETE PIPE CULVERT (30") [STORM SEWER]	298	LIN. FT.	298
	430-1-26	CONCRETE PIPE CULVERT (36") [STORM SEWER]	2500	LIN. FT.	2498
	430-1-56	CONCRETE PIPE CULVERT (36"), (SPECIAL) [STORM SEWER]	280	LIN. FT.	282
	430-1-57	CONCRETE PIPE CULVERT (42") (SPECIAL) [STORM SEWER]	348	LIN. FT.	315
ALT.	430-2-22	CORRUGATED STEEL PIPE CULVERT (15") [GUTTER DRAIN]	494	LIN. FT.	494
	430-8-22	CORRUGATED ALUMINUM PIPE CULVERT (15") [GUTTER DRAIN]		LIN. FT.	494
	430-18-6	ELLIPTICAL CONCRETE PIPE CULVERT (29"x 45") [STORM SEWER]	844	LIN. FT.	843
	430-15-12	CAST IRON PIPE CULVERT (6") [HEAVY]	135	LIN. FT.	90
	520-1-1	CONCRETE CURB AND GUTTER (6" CURB, 15" GUTTER)	3169	LIN. FT.	2,945
	520-1-7	CONCRETE CURB AND GUTTER (TYPE E)	92	LIN. FT.	92
	520-2-4	CONCRETE CURB (TYPE D)	2685	LIN. FT.	2,176
	520-6	CONCRETE SHOULDER GUTTER	4183.32	LIN. FT.	4,073
	520-70-41	CONCRETE TRAFFIC SEPARATOR (TYPE IV) (4' WIDE)	183	SQ. YD.	183
	522-1	CONCRETE SIDEWALK, 4" THICK	1982	SQ. YD.	741
	524-1-1	CONCRETE DITCH PAVEMENT (3" THICK)	794.68	SQ. YD.	628
	536-1-1	GUARDRAIL (ROADWAY)	7249.4	LIN. FT.	6900
	536-6	END ANCHORAGE ASSEMBLIES, TYPE II	15	EACH	6
	550-2	FENCING, TYPE B	8295	LIN. FT.	9,099
	550-3-2	CORNER POST ASSEMBLIES (TYPE B FENCE)	33	EACH	74
	550-4-2	PULL AND END POST ASSEMBLIES (TYPE B FENCE)	45	EACH	19
	550-70-2	FENCE GATES (TYPE B FENCE)	8	EACH	4
	570-2	SEEDING AND MULCHING	75,624	SQ. YD.	90,524
	570-3	GRASS SEED (PERMANENT TYPE)	1956	POUND	1870
	570-4	MULCH MATERIAL	11.78	TON	75
	570-5	FERTILIZER	7.10	TON	10
	570-9	WATER FOR GRASSING	142.5	M. GALS.	138
	570-10	GRASS SEED (QUICK-GROWING TYPE)	700	POUND	280
	575-1	SODDING	41,528	SQ. YD.	17,777

SUMMARY OF GUARDRAIL

STATION TO STATION	RT. ROADWAY LT.	RT. ROADWAY RT.	LT. ROADWAY LT.	LT. ROADWAY RT.	TOTAL	AS BUILT QUANTITY
506+18 - 507+50	225				225.0	
506+50 - 507+40			87.5		~~87.5~~	95
506+50 - 507+65			125		125.0	
509+15 - 513+00		375			~~375.0~~	390
509+35.12 - 510+60				225	225.0	
509+35.48 - 513+60			437		437.0	
517+97.95 - 520+97.95			300.0		300.0	
517+97.95 - 520+97.95		362.5			362.5	
522+65.61 - 526+65.61			412.5		~~412.5~~	500
522+65.61 - 524+90.61				225.0	~~225.0~~	275
522+65.61 - 526+53.11		412.5			412.5	
528+79.23 - 535+91.73		725			~~725.0~~	800
529+00.00 - 536+00.00			725		725.0	
533+82.00 - 535+94.50	200				200.0	
542+74.25 - 544+86.75				212.5	212.5	
542+79.75 - 546+04.75			387.5		~~387.5~~	461.4
546+77.50 - 548+77.50	187.5				187.5	
243+84.00 Ramp "E" - 548+84.00			500.0		500.0	
144+03.00 Ramp "F" - 548+78.00		475.0			~~475.0~~	517
Dead End Streets & Driveways					~~300.0~~	298.5
Total Lin. Ft.					~~6899.5~~	7249.4

Note: Guardrail, Sodding, and Ditch Pavement Stations are approximate only and are to be adjusted in the field, if necessary, as directed by the Engineer.

SUMMARY OF SODDING

STATION TO STATION	LT.	MED.	RT.	TOTAL	AS BUILT QUANTITY
506+50 - 511+37		M		108.	321
509+50 - ~~514+80~~ 520+00		M		222.	3691
~~515+58 - 520+09~~ 509+26 - 517+10		M		200.	2350
522+90 - 526+50		M		160.	1487
529+00 - 533+00		M		178.	2684
506+50 - 507+20			R	245.	563
506+50 - 507+40	L			537.	828
509+44 - 513+00		R		1223	3854
518+00 - 520+87 & 543+00 - 549+00	L		R	2615.	9592
522+79 - 526+73	L		R	2802.	3753
528+70 - 535+80	L		R	5286.	7013
542+95 - 546+00	L		R	1084.	4045
147+00 - 148+00 (RAMP "F")			R	622.	2605
246+98 - 248+00 (RAMP "F")	L			521.	357
20+75 - 21+90 (WILLOW AVE.)			R	230.	0
20+30 - 21+69 (WILLOW AVE.)	L			244.	0
CONTINGENCY				1500	0
TOTAL S.Y.				17,777	41,528

SUMMARY OF DITCH PAVEMENT

STATION TO STATION	LT.	MED.	RT.	TOTAL	
215+88 - 217+00 (RAMP "C")	128			128.00	88.9
113+96 - 116+87 (RAMP "D")			194	194.00	132.44
142+97 - 145+00 (RAMP "E")			135.33	135.33	141.77
142+84 - 145+55 (RAMP "F")	180.67			180.67	241.77
CARDY ST. RET. WALL					69.15
BRORE IN ST. RET. WALL					120.50
TOTAL				638.00	794.68

FOR QUANTITIES OF
SIGNING AND PAVEMENT MARKING ITEMS
SIGNALIZATION ITEMS
LIGHTING ITEMS
BRIDGE AND RETAINING WALL ITEMS
WATER LINE RELOCATION ITEMS
SANITARY SEWER RELOCATION ITEMS

SEE SUMMARY OF QUANTITIES SHEETS IN THEIR APPROPRIATE PLAN SETS.

GENERAL NOTES:

ITEM NO'S. 104-1 THROUGH 104-6 ARE ESTIMATED QUANTITIES FOR PREVENTION, CONTROL, AND ABATEMENT OF SOIL EROSION AND WATER POLLUTION. TO BE USED AT LOCATIONS DESIGNATED BY THE ENGINEER.

ITEM NO. 120-6 ANY BORROW EXCAVATION REQUIRED SHALL BE FURNISHED BY THE CONTRACTOR FROM AREAS PROVIDED BY HIM AND/OR BORROW AREA ONE AS SHOWN ON SHEET NUMBER 95 AND THE COST OF FURNISHING SUCH MATERIAL IS TO BE INCLUDED IN THE PRICE FOR EMBANKMENT.

ITEM NO. 524-1-1 INCLUDES 10 SQ.YD'S. FOR CONTINGENCIES TO BE USED, IF NECESSARY, AS DIRECTED BY THE ENGINEER.

ITEM NO. 570-2 INCLUDES 18,105 SQ.YD'S. FOR TEMPORARY GRASSING.
ITEM NO. 570-3 INCLUDES 374 LB'S. FOR TEMPORARY GRASSING.
ITEM NO. 570-5 INCLUDES 1.7 TONS FOR TEMPORARY GRASSING.
ITEM NO. 570-9 INCLUDES 37.4 M.GAL'S. FOR TEMPORARY GRASSING.
ITEM NO. 570-10 INCLUDES 112 LB'S. FOR TEMPORARY GRASSING.

ITEM NO. 575-1 INCLUDES 1,500 SQ.YD'S. FOR CONTINGENCIES TO BE USED, IF NECESSARY, AS DIRECTED BY THE ENGINEER.

FOR SUMMARY OF EARTHWORK SEE SHEET NO. 9.

THE COST OF INFORMATIONAL SIGNS IS TO BE INCLUDED IN THE OVERALL BID. (SEE SHEET NO. 94).

AS BUILT
NOV 26 1975

NO.	REVISION	BY	DATE

TAMPA-HILLSBOROUGH COUNTY EXPRESSWAY AUTHORITY
SOUTH CROSSTOWN EXPRESSWAY
SUMMARY OF QUANTITIES

J. E. GREINER COMPANY — WATSON & COMPANY
CONSULTING ENGINEERS TAMPA, FLORIDA

MADE M.F. DATE 1974 | TRACED H.L. DATE 1974
CHECKED J.N.C. DATE 1974 | SCALE

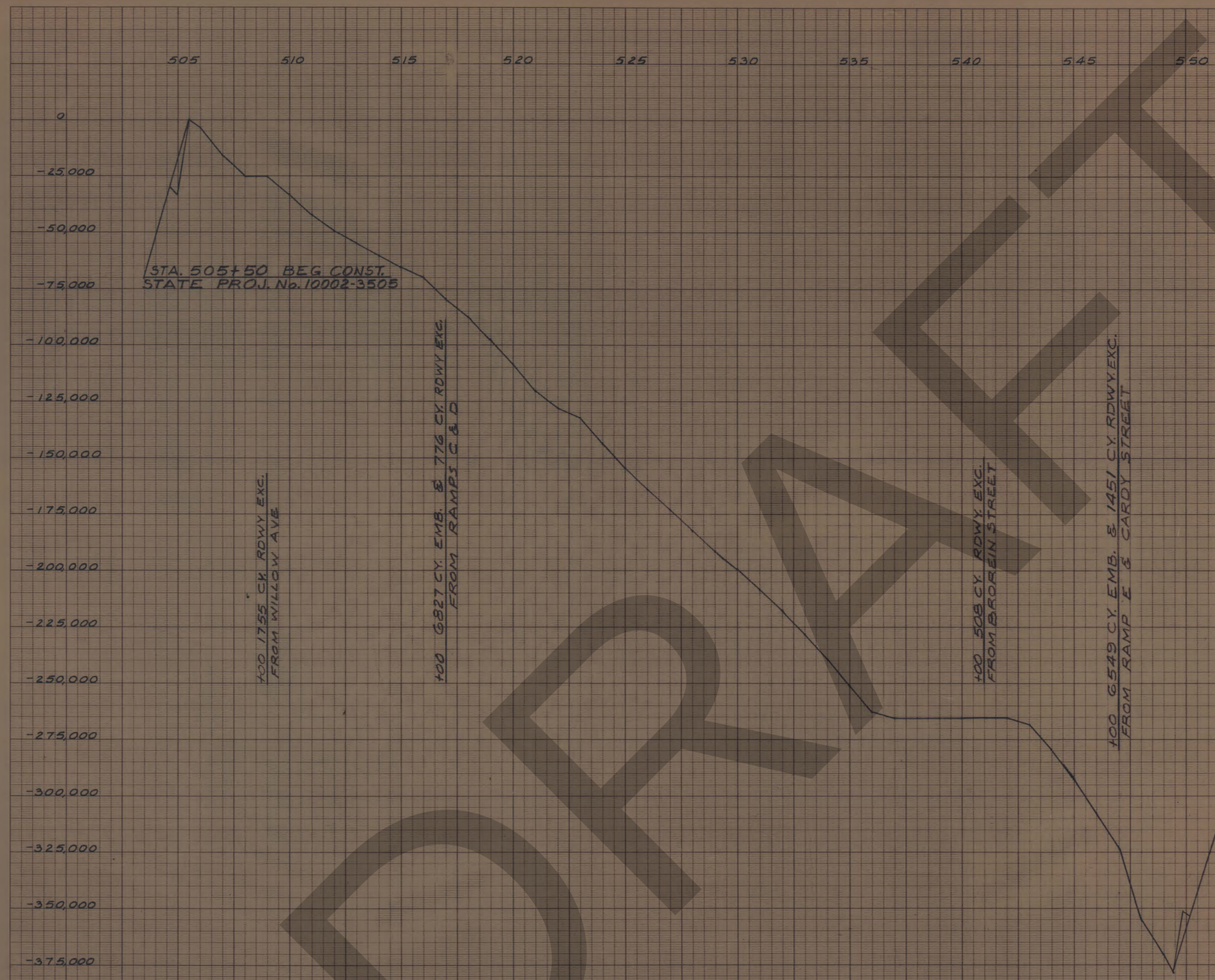
84
1

Contract No. 5

DRAFT

CROSS SECTIONS

Fed. Road Div. No.	State	County	Route	Proj. No.	Sheet No.
3	Fla.	HILLSBOROUGH	449	10002-3505	9



SUMMARY OF EARTHWORK

*RDWY. EXC.	= 5431 C.Y.
EMBANKMENT	= 383,648 C.Y.

* SUITABLE MATERIAL MAY BE USED IN EMBANKMENT AT THE CONTRACTOR'S OPTION

NOTE:
NO SHRINKAGE FACTOR IS REFLECTED IN THIS MASS DIAGRAM

MASS DIAGRAM

DRAFT

AS BUILT
NOV 26 1975

AS BUILT

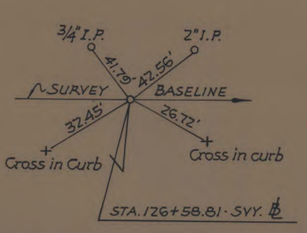
Application No.
Route No.
Original Plotted by
" Checked by
Template by
Area by
Finish Plotted by
" Checked by
Area by
" Checked by

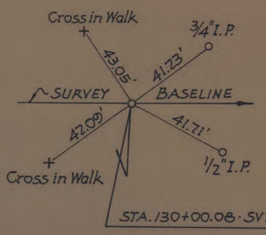
K&E CO. ORLANDO, FLA. ORDER STOCK @ 1964

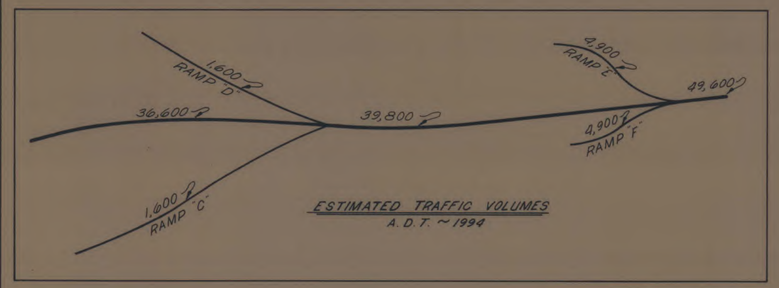
Contract No. 5

84/1

SECTION	CONTRACT	SOUTH CROSSTOWN EXPRESSWAY	SHEET NO.
10002	3505		10
By: WACO	TAMPA-HILLSBOROUGH COUNTY EXPRESSWAY AUTHORITY		Date: 1972

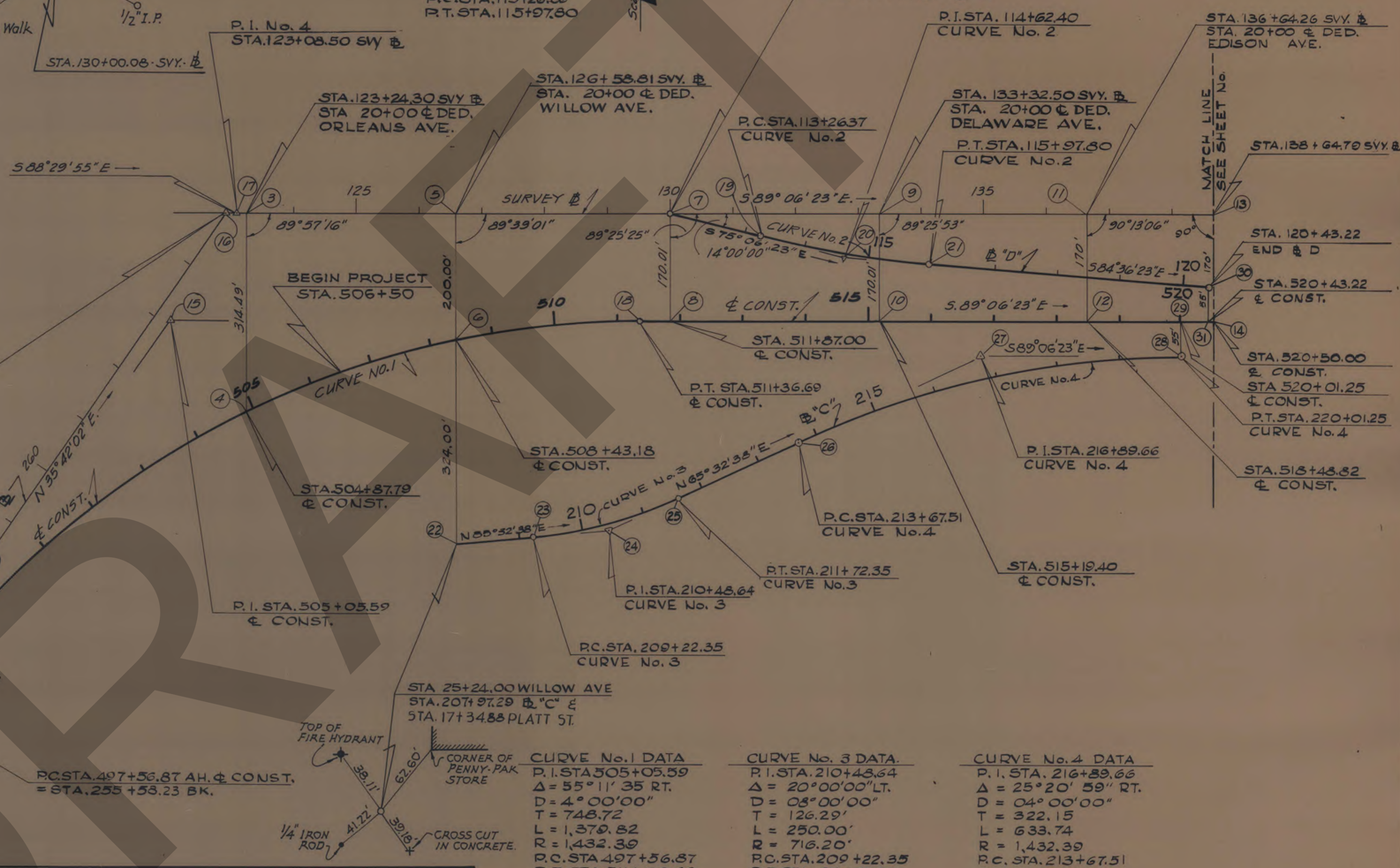






CURVE No.2 DATA
P.I. STA. 114+62.40
Δ = 9°30'00" LT.
D = 3°30'00"
T = 136.03
L = 271.43
R = 1637.02
P.C. STA. 113+26.36
P.T. STA. 115+97.80





NOTE:
COORDINATES ARE BASED ON U.S.C. & G.S. PLANE COORDINATE SYSTEM, TRANSVERSE-MERCATOR PROJECTION, WEST ZONE OF FLORIDA 1927 N.A.D.

COORDINATE DATA

POINT NO.	STATION	COORDINATES NORTH	COORDINATES EAST	POINT NO.	STATION	COORDINATES NORTH	COORDINATES EAST	POINT NO.	STATION	COORDINATES NORTH	COORDINATES EAST
1	255+60.74 SVY. ℄	1,311,430.67	346,410.22	13	138+64.79 SVY. ℄	1,312,168.16	348,531.92	24	210+48.64 P.T. No. 3	1,311,632.52	347,571.71
2	497+56.87 P.C. No.1	1,311,416.08	346,430.52	14	520+50.00 ℄ CONST.	1,311,998.18	348,529.27	25	211+72.35 P.T. No. 3	1,311,734.80	347,686.67
3	123+24.30 SVY ℄	1,312,192.18	346,991.62	15	505+05.59 P.I. No. 1	1,312,024.10	346,867.44	26	213+67.51 P.C. No. 4	1,311,815.60	347,864.32
4	504+87.79 ℄ CONST.	1,311,877.73	346,986.97	16	122+90.61 SVY. ℄ P.I. 2	1,312,192.90	346,957.95	27	216+89.66 P.I. No. 4	1,311,948.97	348,157.57
5	126+58.81 SVY. = 20+00 WILLOW AVE.	1,312,186.96	347,326.09	17	123+08.50 SVY. ℄ P.I. 4	1,312,192.48	346,975.83	28	220+01.25 P.T. No.4	1,311,943.94	348,479.68
6	508+43.18 ℄ CONST.	1,311,986.99	347,324.19	18	511+36.69 P.T. No.1	1,312,012.42	347,616.08	29	520+01.25 ℄ CONST.	1,311,998.93	348,480.53
7	130+98.08 SVY. ℄ 111+75.61 ℄ "D"	1,312,181.64	347,667.32	19	113+26.37 P.C. No.2	1,312,142.89	347,813.02	30	120+43.22 ℄ "D"	1,312,053.27	348,523.35
8	511+87.00 ℄ CONST.	1,312,011.64	347,666.38	20	114+62.40 P.I. No.2	1,312,107.93	347,944.48	31	520+43.22 ℄ CONST.	1,311,998.28	348,522.50
9	133+32.50 SVY. ℄	1,312,176.45	347,999.70	21	115+97.80 P.T. No.2	1,312,095.14	348,079.91				
10	515+19.40 ℄ CONST.	1,312,006.45	347,998.74	22	207+97.29 ℄ ℄ 22+24.00 WILLOW AVE.	1,311,662.99	347,321.12				
11	136+64.26 SVY. ℄	1,312,171.27	348,331.42	23	209+22.35 P.C. No.3	1,311,672.71	347,445.80				
12	518+48.82 ℄ CONST.	1,312,001.30	348,328.12								

CURVE No.1 DATA
P.I. STA 505+05.59
Δ = 55°11'35" RT.
D = 4°00'00"
T = 748.72
L = 1,378.82
R = 1,432.39
P.C. STA 497+56.87
P.T. STA 511+36.69

CURVE No. 3 DATA.
P.I. STA. 210+48.64
Δ = 20°00'00" LT.
D = 08°00'00"
T = 126.29'
L = 250.00'
R = 716.20'
P.C. STA. 209+22.35
P.T. STA. 211+72.35

CURVE No. 4 DATA
P.I. STA. 216+89.66
Δ = 25°20'59" RT.
D = 04°00'00"
T = 322.15
L = 633.74
R = 1,432.39
P.C. STA. 213+67.51
P.T. STA. 220+01.25

AS BUILT
NOV 26 1975

NO.	REVISION	BY	DATE

TAMPA-HILLSBOROUGH COUNTY EXPRESSWAY AUTHORITY
SOUTH CROSSTOWN EXPRESSWAY

ALIGNMENT CONTROL

J. E. GREINER COMPANY — WATSON & COMPANY
CONSULTING ENGINEERS TAMPA, FLORIDA

MADE J.L.H. DATE 1-4-72 | TRACED E.J. DATE 1-5-72
CHECKED J.L.H. DATE 1-6-72 | SCALE 1"=100'

84/1

Contract No. 5

30H

SECTION	CONTRACT	SOUTH CROSSTOWN EXPRESSWAY	SHEET NO.
10002	3505		11
By: WACO		TAMPA-HILLSBOROUGH COUNTY EXPRESSWAY AUTHORITY	Date: 1972

SCALE: 1" = 100'

CURVE No.5 DATA
P.I. STA. 531+57.76
Δ = 4°30'46" LT.
D = 0°30'00"
T = 451.51'
L = 902.56'
R = 11,459.16'
P.C. STA. 527+06.25
P.T. STA. 536+08.81

CURVE No.8 DATA
P.I. STA. 244+49.99
Δ = 7°31'36" RT.
D = 4°00'00"
T = 94.22
L = 188.17
R = 1432.39
P.C. STA. 243+55.77
P.T. STA. 245+43.94

CURVE No. 9 DATA
P.I. STA. 248+05.94
Δ = 14°00'00" LT.
D = 8°00'00"
T = 87.93'
L = 175.00'
R = 716.20'
P.C. STA. 247+18.01
P.T. STA. 248+93.01

Match Line see sheet No.

STA. 138+64.79 SVY. ℄

STA. 139+97.55 SVY. ℄ = STA. 20+00 ℄ DED. S. BOULEVARD

STA. 142+94.61 SVY. ℄ = STA. 20+00 ℄ DED. FIELDING AVE.

STA. 145+90.47 SVY. ℄ = STA. 20+00 ℄ DED. BREVARD AVE.

STA. 148+88.44 SVY. ℄ = STA. 20+00 ℄ DED. MAGNOLIA AVE.

STA. 151+84.61 SVY. ℄ = STA. 20+00 ℄ DED. CEDAR ST.

STA. 154+93.46 SVY. ℄ = STA. 20+00 ℄ DED. HYDE PARK AVE.

P.I. No.5 STA. 155+64.36 SVY. ℄

STA. 158+73.01 SVY. ℄ = STA. 20+00 ℄ DED. PLANT AVE. & STA. 240+30.31 ℄ E

P.I. No.6 STA. 159+63.88 SVY. ℄

P.C. STA. 243+55.77 CURVE No.8

P.I. STA. 244+49.99 CURVE No.8

P.T. STA. 245+43.94 CURVE No.8

STA. 164+47.01 SVY. ℄ = STA. 20+00 ℄ DED. PARKER ST.

P.C. STA. 247+18.01 CURVE NO. 9 SURVEY ℄

P.T. CURVE No.9 STA. 248+93.01 END ℄ E 57' LT. STA. 548+93.01 ℄ CONST.

STA. 168+06.19 SVY. ℄ = STA. 20+00 ℄ DED. BAYSHORE BLVD.

P.I. No.7 STA. 170+07.53 SVY. ℄

P.I. STA. 248+05.94 = 57' LT. STA. 548+05.94 ℄ CONST.

S. 89°06'23" E. — SURVEY ℄ — S. 89°20'38" E. — S 87°08'45" E — S 79°37'09" E — N. 74°09'31" E. — N. 86°22'51" E. — N 80°52'51" E. — S 89°05'01" E

90°19'48" — 90°02'08" — 89°51'12" — 89°59'49" — 89°56'50" — 89°58'51" — 90°41'44" — 90°05'36" — 77°43'00" — 90°

CURVE No.5 — CURVE No.8 — CURVE No.9 — CURVE No.6 — CURVE No.7

STA. 520+50.00 ℄ CONST.

STA. 521+81.78 ℄ CONST.

STA. 524+79.71 ℄ CONST.

P.C. STA. 527+06.25 ℄ CONST.

STA. 527+76.08 ℄ CONST.

P.I. STA. 531+57.76 ℄ CONST.

STA. 530+73.75 ℄ CONST.

P.T. STA. 536+08.81 ℄ CONST.

STA. 536+79.87 ℄ CONST.

STA. 537+60.65 ℄ CONST.

STA. 533+70.31 ℄ CONST.

STA. 540+47.58 ℄ CONST.

STA. 140+38.55 STA. 22+69.93 PLANT AVE.

P.C. STA. 142+59.03 CURVE NO.6

P.I. STA. 143+36.42 CURVE NO.6

P.T. STA. 144+13.42 CURVE NO.6

STA. 541+51.12 ℄ CONST.

P.C. STA. 147+52.11 CURVE NO.7

CURVE No.7 P.I. STA. 148+30.74 57 RT. STA. 548+30.62 ℄ CONST.

STA. 546+20.11 ℄ CONST.

STA. 549+01.13 ℄ CONST.

STA. 550+12.02 ℄ CONST.

STA. 551+92.00 ℄ CONST.

CURVE NO. 7 P.T. STA. 149+09.25 END ℄ F 57' RT. STA. 549+09.25

COORDINATE DATA

POINT NO.	STATION	COORDINATES NORTH	COORDINATES EAST	POINT NO.	STATION	COORDINATES NORTH	COORDINATES EAST	POINT NO.	STATION	COORDINATES NORTH	COORDINATES EAST
13	138+64.79 SVY. ℄	1,312,168.16	348,531.92	51	164+47.01 SVY. ℄	1,312,246.02	351,098.75	71	549+01.13 ℄ CONST.	1,312,090.98	351,377.25
14	520+50.00 ℄ CONST.	1,311,998.18	348,529.27	52	546+20.11 ℄ CONST.	1,312,073.24	351,096.79	72	149+09.25 P.T. #7	1,312,034.60	351,388.95
33	139+97.55 SVY. ℄	1,312,166.09	348,664.67	53	168+06.19 SVY. ℄	1,312,242.53	351,457.91	73	248+05.94 P.I. #9	1,312,141.81	351,277.79
34	521+81.78 ℄ CONST.	1,311,996.13	348,661.04	54	550+12.02 ℄ CONST.	1,312,097.98	351,487.92				
35	142+94.61 SVY. ℄	1,312,161.45	348,961.69	55	170+07.53 SVY. ℄ P.I. #7	1,312,240.58	351,659.24				
36	524+79.71 ℄ CONST.	1,311,991.47	348,958.93	56	551+92.00 ℄ CONST.	1,312,109.34	351,667.53				
37	145+90.47 SVY. ℄	1,312,156.84	349,257.52	57	527+06.25 P.C. #05	1,311,987.94	349,185.44				
38	527+76.08 ℄ CONST.	1,311,987.06	349,255.30	58	531+57.76 P.I. NO.5	1,311,980.91	349,636.89				
39	148+88.44 SVY. ℄	1,312,152.19	349,555.45	59	536+08.81 P.T. NO.5	1,312,009.39	350,087.51				
40	530+73.75 ℄ CONST.	1,311,988.10	349,552.95	60	247+18.01 P.C. #9	1,312,157.65	351,191.30				
41	151+84.61 SVY. ℄	1,312,147.57	349,851.59	61	140+38.55 ℄ E 22+69.93 ℄ Plant Ave.	1,311,956.00	350,524.19				
42	533+70.31 ℄ CONST.	1,311,996.83	349,849.38	62	243+55.77 P.C. #8	1,312,210.69	350,833.31				
43	154+93.46 SVY. ℄	1,312,142.76	350,160.40	63	142+59.03 P.C. #6	1,311,952.48	350,744.65				
44	536+79.87 ℄ CONST.	1,312,013.88	350,158.43	64	244+49.99 P.I. #8	1,312,206.00	350,927.40				
45	155+64.36 SVY. ℄ P.I. #5	1,312,141.65	350,231.29	65	143+36.42 P.I. #6	1,311,951.23	350,822.02				
46	537+60.65 ℄ CONST.	1,312,018.98	350,239.05	66	245+43.94 P.T. #8	1,312,189.02	351,020.08				
47	158+73.01 SVY. ℄ & 240+30.31 ℄ & 20+00	1,312,225.90	350,528.21	67	144+13.42 P.T. #6	1,311,963.50	350,898.44				
48	540+47.58 ℄ CONST.	1,312,037.10	350,525.40	68	147+52.11 P.C. #7	1,312,017.18	351,232.85				
49	159+63.88 SVY. ℄ P.I. #6	1,312,250.71	350,615.64	69	148+30.74 P.I. #7	1,312,029.64	351,310.48				
50	541+51.12 ℄ CONST.	1,312,043.64	350,628.74	70	248+93.01 P.T. #9	1,312,147.36	351,365.54				

CURVE No.6 DATA
P.I. STA. 143+36.42
Δ = 10°02'08" LT.
D = 6°30'00"
T = 77.39
L = 154.39
R = 881.47
P.C. STA. 142+59.03
P.T. STA. 144+13.42

CURVE No.7 DATA
P.I. STA. 148+30.74
Δ = 5°30'00" RT.
D = 3°30'00"
T = 78.63
L = 157.14
R = 1637.02
P.C. STA. 147+52.11
P.T. STA. 149+09.25

AS BUILT
NOV 26 1975

NO.	REVISION	BY	DATE

TAMPA - HILLSBOROUGH COUNTY EXPRESSWAY AUTHORITY

SOUTH CROSSTOWN EXPRESSWAY

ALIGNMENT CONTROL

J. E. GREINER COMPANY — WATSON & COMPANY
CONSULTING ENGINEERS — TAMPA, FLORIDA

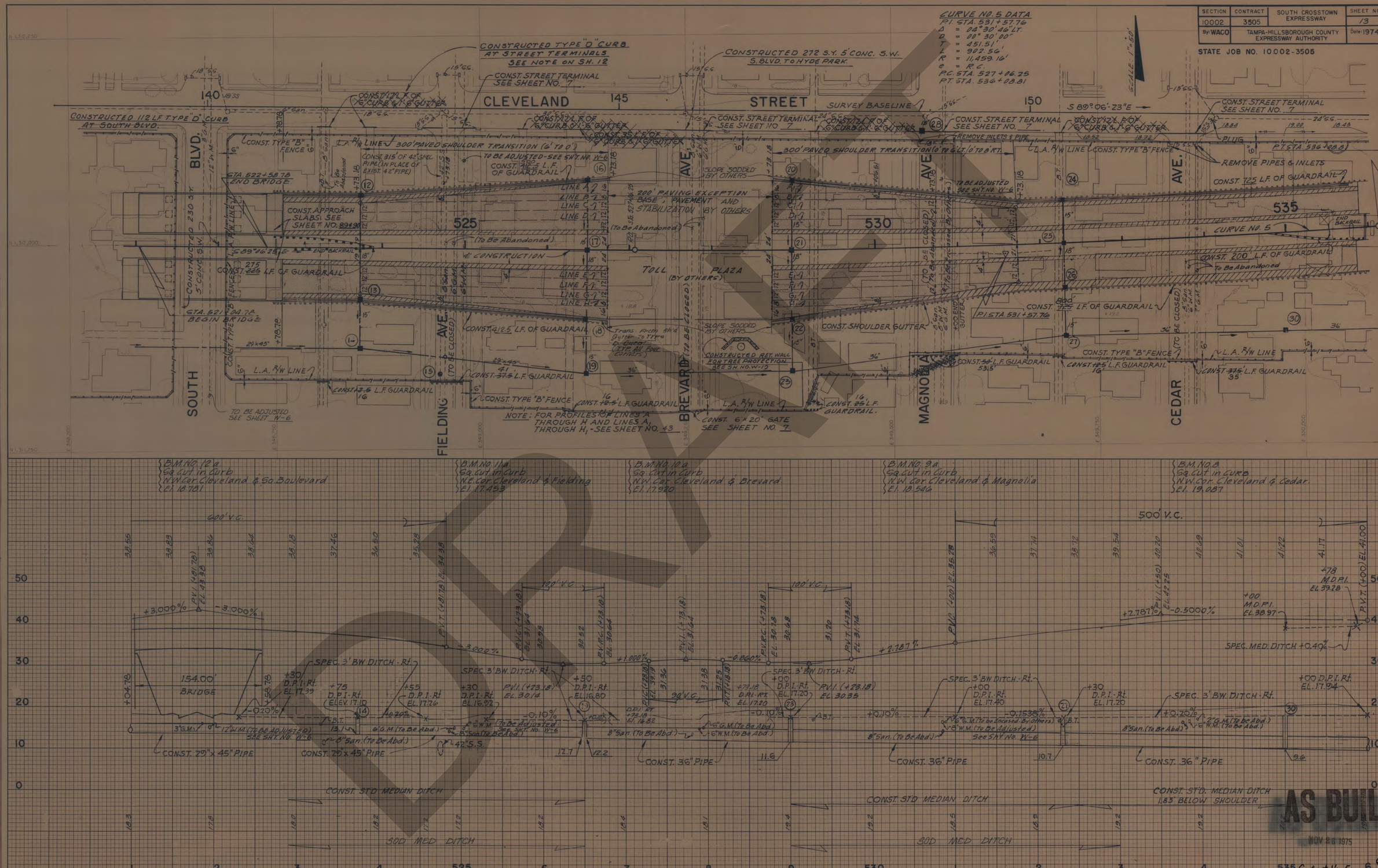
MADE J.L.H. DATE 1-4-72 — TRACED E.J. DATE 1-5-72
CHECKED J.L.H. DATE 1-6-72 — SCALE 1" = 100' — 84/1

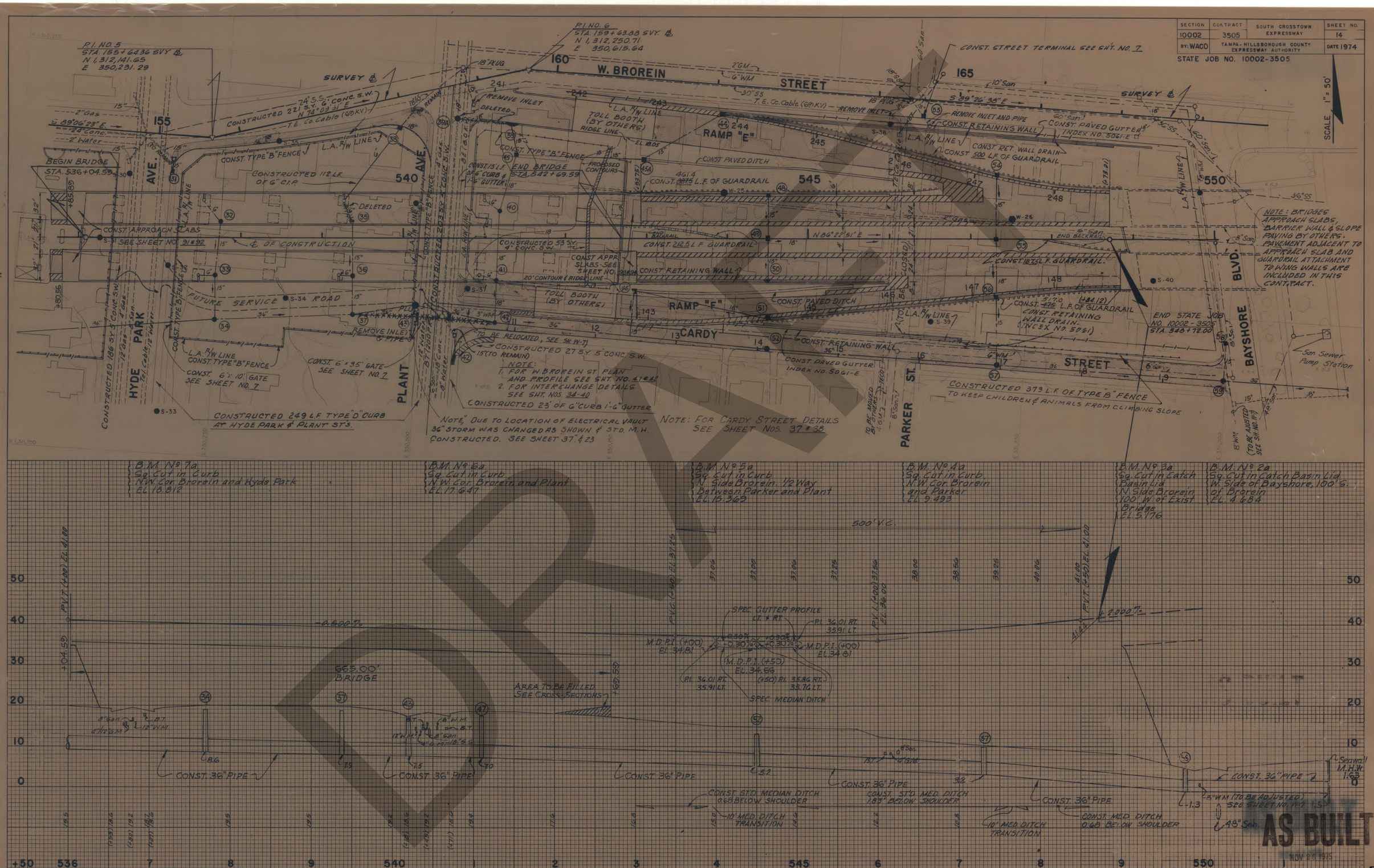
Contract No. 5.

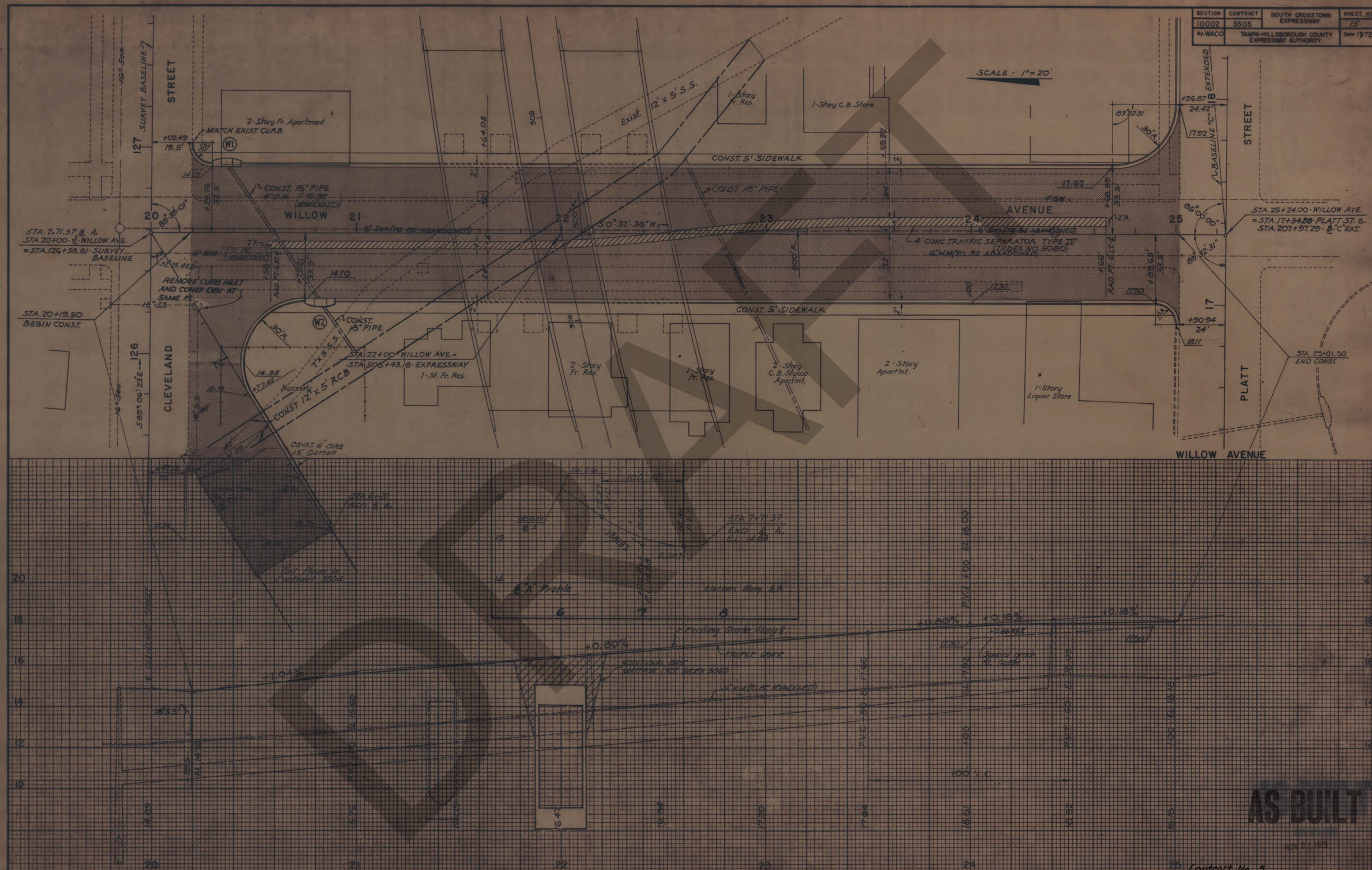
DRAFT



SECTION 10002
CONTRACT 3505
SOUTH CROSSTOWN EXPRESSWAY
SHEET NO. 12
By: WACO
TAMPA-HILLSBOROUGH COUNTY EXPRESSWAY AUTHORITY
Date: 197
STATE JOB NO. 10002-3505
"NOTE," STREET & ALLEY TERMINALS WERE SHOWN AS 6" CURB 1.5' GUTTER BUT WAS ACTUALLY TYPE "D" CURB. 246 L.F. OF TYPE "D" WAS CONSTRUCTED ON CLEVELAND ST.
CONSTRUCTED 194 S.Y. 5' CONC. S.W. WILLOW ST. TO SOUTH BLVD.
CLEVELAND STREET
WILLOW AVE.
NEWPORT AVE.
DELAWARE AVE.
EDISON AVE.
PLATT ST.
RAMP "D"
RAMP "C"
STA. 126+58.81 SURVEY ℄ = STA. 20+00 ℄ DED. WILLOW AVE.
STA. 111+75.61 ℄ "D" EXTENDED = STA. 130+00.08 SURVEY ℄
STA. 507+55.13 BEGIN BRIDGE
STA. 521+04.78 BEGIN BRIDGE
STA. 506+50 BEGIN STATE JOB NO. 10002-3505 END STATE JOB NO. 10002-3504
STA. 509+26.13 END BRIDGE
CONST. APPR. SLABS SEE SHEET NO. 86&88
CONST. APPR. SLABS SEE SHEET NO. 89&90
CONST. STREET TERMINAL SEE SHEET NO. 7
CONST. 437.5 L.F. GUARDRAIL
CONST. 225 L.F. GUARDRAIL
CONST. 200 L.F. GUARDRAIL
CONST. 362.5 L.F. GUARDRAIL
CONST. 300 L.F. GUARDRAIL
CONST. 125 L.F. GUARDRAIL
CONST. 375 L.F. GUARDRAIL
CONST. 17.5 L.F. GUARDRAIL
CONST. 28.5 L.F. GUARDRAIL
CONST. TYPE "B" FENCE
CONST. 12 L.F. OF 6" CURB & 1'-6" GUTTER
CONST. 30 L.F. OF 6" CURB & 1'-6" GUTTER
CONST. 280 L.F. OF 36" SPEC. PIPE (IN PLACE OF EXIST. 36" PIPE)
REMOVE EXIST. PIPES & INLETS
REMOVE EXIST. PIPE & INLET
REMOVE INLET & 15" PIPE
CONST. CONC. SPILLWAY INDEX 5061
CONST. SPEC. 2' BW DITCH PAVED 0.5' HIGH
CONST. SPEC. 2' BW DITCH PAVED 0.5' HIGH
CONST. 2' BW. DITCH
PROPOSED CONTOURS
NOTE: SITE GRADE INFIELD AREAS TO PROPOSED CONTOURS
CURVE NO. 1 DATA
P.I. STA. 505+85.59
Δ = 55°11'35" RT.
D = 4°00'00"
T = 748.72'
L = 1379.82'
R = 1432.39'
P.C. STA. 497+56.87
P.T. STA. 511+36.69
e = 0.08'/'
NOTE: FOR GRADING OF INTERCHANGE - SEE CROSS SECTIONS.
NOTE: FOR INTERCHANGE DETAILS SEE SHTS. 27-33
NOTE: FOR DETAILS OF WILLOW AVENUE - SEE SHEET NO. 15
CONSTRUCTED 39 S.Y. CONC. S.W.
STA. 25+24.00 WILLOW AVE.
STA. 17+34.88 PLATT ST. ℄
STA. 207+97.29 ℄ "C"
B.M. No. 14a Sq. Cut in Curb N.W. Cor. Cleveland & Delaware EL. 18.057
B.M. No. 13a Sq. Cut in Curb N.E. Cor. Cleveland & Edison EL. 17.967
B.M. No. 16a Square cut in Curb N.W. Cor. Cleveland & Willow El. 15.521
B.M. No. 15a Square cut in Curb N.E. Cor. Cleveland & Newport EL. 18.567
400' V.C.
500' V.C.
600' V.C.
-0.6500%
-2.1686%
+3.0000%
171.00' BRIDGE
SPEC. MED. DITCH
M.D.P.I. (+50) EL. 25.29
M.D.P.I. (+95) EL. 25.06
M.D.P.I. (+50) EL. 25.35
AREA TO BE FILLED - SEE CROSS-SECTIONS
CONST. 18" PIPE
CONST. 30" PIPE
CONST. 29" x 45" PIPE
CONST. ST'D. MEDIAN DITCH 1.5' BELOW LOW SHOULDER
CONST. ST'D. MEDIAN DITCH 1.5' BELOW SHOULDER
CONST. MED. DITCH 0.5' BELOW SHOULDER
10' MED. DITCH TRANSITION
SOD MED. DITCH
CONST. ST'D. MED. DITCH 1.5' BELOW LOW SHOULDER
Contract No. 15
NOV 26 1975
AS BUILT
84
1


SECTION 10002
CONTRACT 3505
SOUTH CROSSTOWN EXPRESSWAY
SHEET NO. 13
By: WACO
TAMPA-HILLSBOROUGH COUNTY EXPRESSWAY AUTHORITY
Date: 1974
STATE JOB NO. 10002-3505
CURVE NO. 5 DATA
P.I. STA. 531+57.76
Δ = 04°30'46" LT.
D = 00°30'00"
T = 451.51'
L = 902.56'
R = 11,459.16'
e = R.C.
P.C. STA. 527+06.25
P.T. STA. 536+08.81
SCALE: 1"=50'
CLEVELAND STREET
SOUTH BLVD.
FIELDING AVE.
BREVARD AVE.
MAGNOLIA AVE.
CEDAR AVE.
CONSTRUCTED TYPE "D" CURB AT STREET TERMINALS SEE NOTE ON SH. 12
CONSTRUCTED 272 S.Y. 5' CONC. S.W. S. BLVD. TO HYDE PARK.
CONSTRUCTED 112 LF TYPE "D" CURB AT SOUTH BLVD.
CONST. STREET TERMINAL SEE SHEET NO. 7
SURVEY BASELINE
S 89°06'-23"E
300' PAVED SHOULDER TRANSITION (6' TO 0')
200' PAVING EXCEPTION BASE, PAVEMENT AND STABILIZATION BY OTHERS
TOLL PLAZA (BY OTHERS)
CONST. APPROACH SLABS SEE SHEET NO. 89&90
STA. 522+58.78 END BRIDGE
STA. 521+04.78 BEGIN BRIDGE
CONST. 275 L.F. OF GUARDRAIL
CONST. 412.5 L.F. OF GUARDRAIL
CONST. 37.5 L.F. GUARDRAIL
CONST. 12.5 L.F. GUARDRAIL
CONST. TYPE "B" FENCE
CONST. 6 x 20' GATE SEE SHEET NO. 7
CONST. 25 L.F. GUARDRAIL
CONST. SHOULDER GUTTER
CONST. 725 L.F. OF GUARDRAIL
CONST. 200 L.F. OF GUARDRAIL
CONST. 50 L.F. GUARDRAIL
CONST. 125 L.F. GUARDRAIL
CONST. 375 L.F. GUARDRAIL
REMOVE PIPES & INLETS
CURVE NO. 5
NOTE: FOR PROFILES OF LINES A THROUGH H AND LINES A1 THROUGH H1 - SEE SHEET NO. 43
B.M. NO. 12a Sq. Cut in Curb N.W. Cor. Cleveland & So. Boulevard El. 18.781
B.M. NO. 11a Sq. Cut in Curb N.E. Cor. Cleveland & Fielding El. 17.453
B.M. NO. 10a Sq. Cut in Curb N.W. Cor. Cleveland & Brevard El. 17.920
B.M. NO. 9a Sq. Cut in Curb N.W. Cor. Cleveland & Magnolia El. 18.546
B.M. NO. 8 Sq. Cut in Curb N.W. Cor. Cleveland & Cedar El. 19.087
600' V.C.
500' V.C.
154.00' BRIDGE
SPEC. 3' BW DITCH - Rt.
CONST. 29" x 45" PIPE
CONST. 36" PIPE
CONST. STD MEDIAN DITCH
SOD MED DITCH
CONST. STD. MEDIAN DITCH 1.83' BELOW SHOULDER
AS BUILT
NOV 26 1975
Contract No. 5
84


SECTION 10002
CONTRACT 3505
SOUTH CROSSTOWN EXPRESSWAY
SHEET NO. 14
BY: WACO
TAMPA-HILLSBOROUGH COUNTY EXPRESSWAY AUTHORITY
DATE 1974
STATE JOB NO. 10002-3505
SCALE 1" = 50'
W. BROREIN STREET
CARDY STREET
HYDE PARK AVE.
PLANT AVE.
PARKER ST.
BAYSHORE BLVD.
RAMP "E"
RAMP "F"
P.I. NO. 5 STA. 155+64.36 SVY ℄ N 1,312,141.65 E 350,231.29
P.I. NO. 6 STA. 159+63.88 SVY ℄ N 1,312,250.71 E 350,615.64
CONST. STREET TERMINAL SEE SHT. NO. 7
BEGIN BRIDGE STA. 536+04.59
END BRIDGE STA. 542+69.59
CONST. APPROACH SLABS SEE SHEET NO. 91 & 92
℄ OF CONSTRUCTION
FUTURE SERVICE ROAD
CONST. 6'x10' GATE SEE SHEET NO. 7
CONST. 6'x35' GATE SEE SHEET NO. 7
CONSTRUCTED 249 L.F. TYPE "D" CURB AT HYDE PARK & PLANT STS.
CONSTRUCTED 27 S.Y. 5' CONC. S.W.
NOTE: 1. FOR W. BROREIN ST. PLAN AND PROFILE SEE SHT. NO. 41 & 42 2. FOR INTERCHANGE DETAILS SEE SHT. NOS. 34-40
CONSTRUCTED 23' OF 6" CURB 1'-6" GUTTER
NOTE: DUE TO LOCATION OF ELECTRICAL VAULT 36" STORM WAS CHANGED AS SHOWN & STD. M.H. CONSTRUCTED. SEE SHEET 37 & 23
NOTE: FOR CARDY STREET DETAILS SEE SHEET NOS. 37 & 38
CONSTRUCTED 373 L.F. OF TYPE "B" FENCE TO KEEP CHILDREN & ANIMALS FROM CLIMBING SLOPE
NOTE: BRIDGES APPROACH SLABS, BARRIER WALL & SLOPE PAVING BY OTHERS. PAVEMENT ADJACENT TO APPROACH SLAB AND GUARDRAIL ATTACHMENT TO WING WALLS ARE INCLUDED IN THIS CONTRACT.
END STATE JOB NO. 10002-3505 STA. 548+72.00
San Sewer Pump Station
B.M. No 7a Sq. Cut in Curb N.W. Cor. Brorein and Hyde Park EL. 18.812
B.M. No 6a Sq. Cut in Curb N.W. Cor. Brorein and Plant EL. 17.647
B.M. No 5a Sq. Cut in Curb N. Side Brorein. 1/2 Way Between Parker and Plant EL. 15.369
B.M. No 4a Sq. Cut in Curb N.W. Cor. Brorein and Parker EL. 9.493
B.M. No 3a Sq. Cut in Catch Basin Lid N. Side Brorein 100' W. of Exist Bridge EL. 5.176
B.M. No 2a Sq. Cut in Catch Basin Lid W. Side of Bayshore, 100' S. of Brorein EL. 4.684
500' V.C.
665.00' BRIDGE
AREA TO BE FILLED SEE CROSS-SECTIONS
SPEC. GUTTER PROFILE
SPEC. MEDIAN DITCH
CONST. 36" PIPE
CONST. STD. MEDIAN DITCH 0.68 BELOW SHOULDER
10' MED. DITCH TRANSITION
CONST. MED. DITCH 0.68 BELOW SHOULDER
AS BUILT
NOV 26 1975
Contract No. 5
84/1

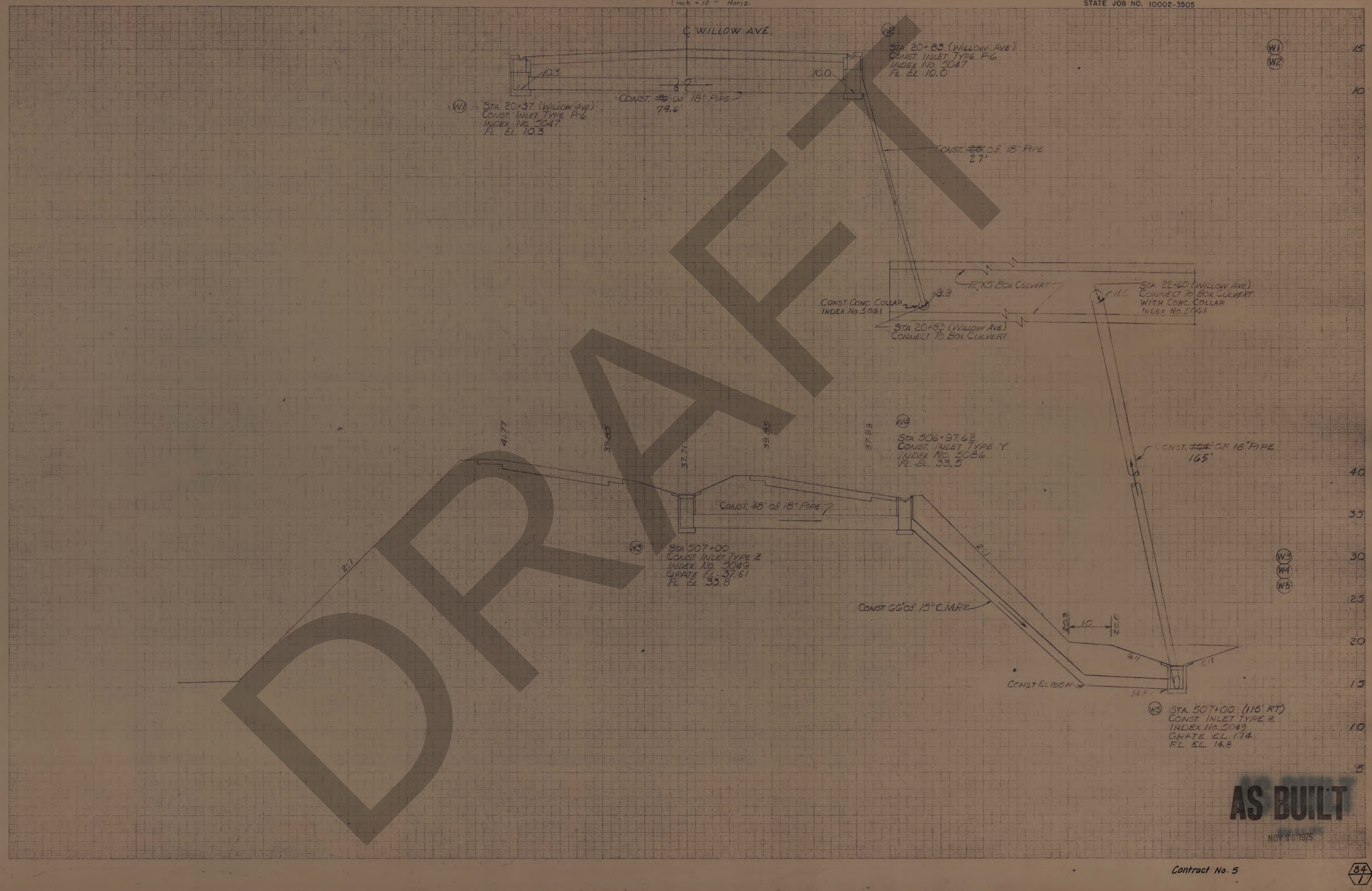

SECTION 10002
CONTRACT 3505
SOUTH CROSSTOWN EXPRESSWAY
SHEET NO. 15
By: WACO
TAMPA-HILLSBOROUGH COUNTY EXPRESSWAY AUTHORITY
Date: 1972
SCALE - 1" = 20'
WILLOW AVENUE
CLEVELAND STREET
PLATT STREET
SURVEY BASELINE
BASELINE "C" EXTENDED
2-Story Fr. Apartment
MATCH EXIST. CURB
CONST. 18" PIPE
CONST. 5' SIDEWALK
1-Story Fr. Res.
1-Story C.B. Store
Exist. 12' x 5' S.S.
STA. 7+71.37 ℄ A.
STA. 20+00 - ℄ WILLOW AVE.
= STA. 126+58.81 - SURVEY BASELINE
STA. 20+19.50 BEGIN CONST.
REMOVE CURB INLET AND CONST. DBI AT SAME FL.
STA. 22+00 - WILLOW AVE. = STA. 508+43.18 - EXPRESSWAY
1-St. Fr. Res.
2-Story Fr. Res.
2-Story C.B. Stucco Apartmt.
2-Story Apartmt.
1-Story Liquor Store
4' CONC. TRAFFIC SEPARATOR TYPE IV (INDEX NO. 5080)
STA. 25+24.00 - WILLOW AVE. = STA. 17+34.88 - PLATT ST. & STA. 207+97.29 - ℄ "C" EXT.
STA. 25+01.50 END CONST.
CONST. 12' x 5' RCB
CONST. 6" CURB 15' GUTTER
Nursery
Toll Plaza in Contract 3504
℄ "A" Profile
Stations Along ℄ A.
Existing Grade Along ℄
PROFILE GRADE
ADDITIONAL BASE MATERIAL (SEE INDEX 5061)
+0.80%
+1.04%
+0.18%
AS BUILT
Contract No. 5
84
1

CROSS SECTIONS

Scale 1 inch = 5 feet Vert.
1 inch = 10 " Horiz.

Fed. Road Dem. No.	State	County	Route	Proj. No.	Sheet No.
4	Fla.	HILLSBOROUGH	449	3505	16

STATE JOB NO. 10002-3505



DRAFT

AS BUILT
NOV 26 1975

Application No.
Route No.
Original Plotted by
" Checked by
Template by
Area by
Plotted by
" Checked by
Area by
" Checked by

A. R. CORNWELL
JACKSONVILLE, FLA.

Contract No. 5

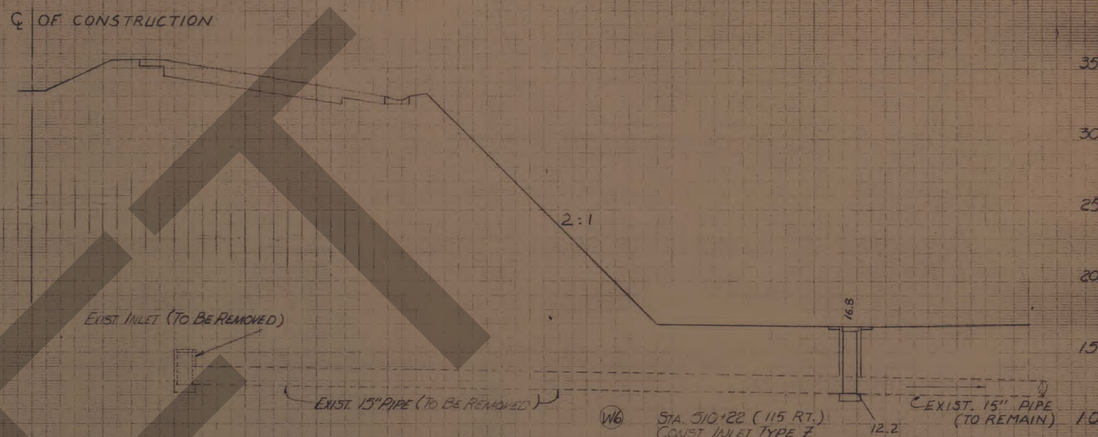
84/1

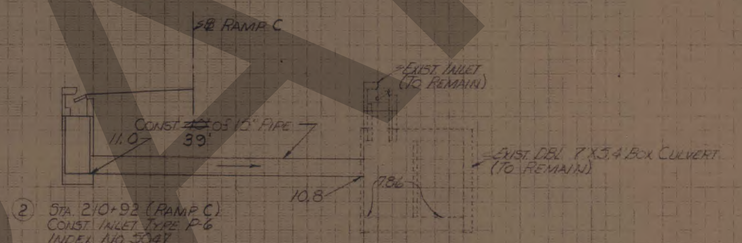
CROSS SECTIONS

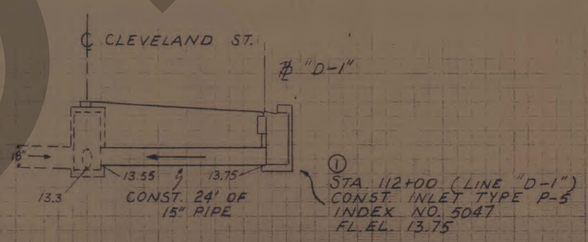
Scale 1 inch = 5 feet Vert.
1 inch = 10 feet Horiz.

Prof. Proj. Cont. No.	State	County	Route	Proj. No.	Sheet No.
5	Fla.	HILLSBOROUGH	449	3505	17

STATE JOB No. 10002-3505







DRAFT

AS BUILT
NOV 26 1975

Application No.
Route To
Original Plotted by
" Checked by
Transfer to CMS
Area by
Final Plotted by
" Checked by
Area by
" Checked by

A. R. CORNWELL
JACKSONVILLE, FLA.

Contract No. 5

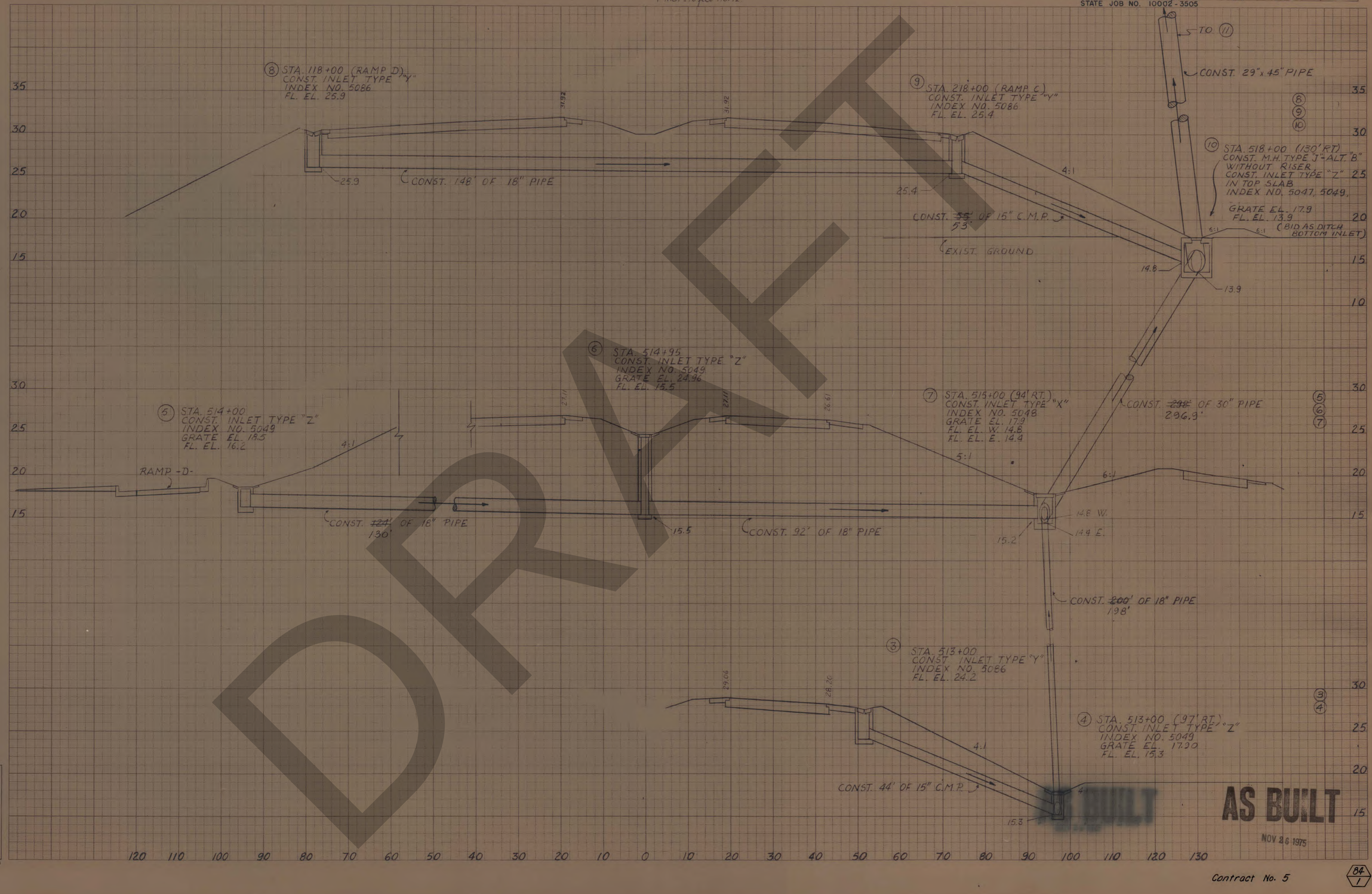
84/1

CROSS SECTIONS

Scale 1 inch = 5 feet Vert
1 inch = 10 feet Horiz

Fed. Road Dist. No.	State	County	Route	Proj. No.	Sheet No.
3	Fla.	HILLSBOROUGH	449	35059	18

STATE JOB NO. 10002-3505



DRAFT

Application No.
Route No.
Original Plotted by
" Checked by
Template by
Area by
Finals Plotted by
" Checked by
Area by
" Checked by

KNE CO. ORLANDO, FLA. ORDER STOCK # 1004

Contract No. 5

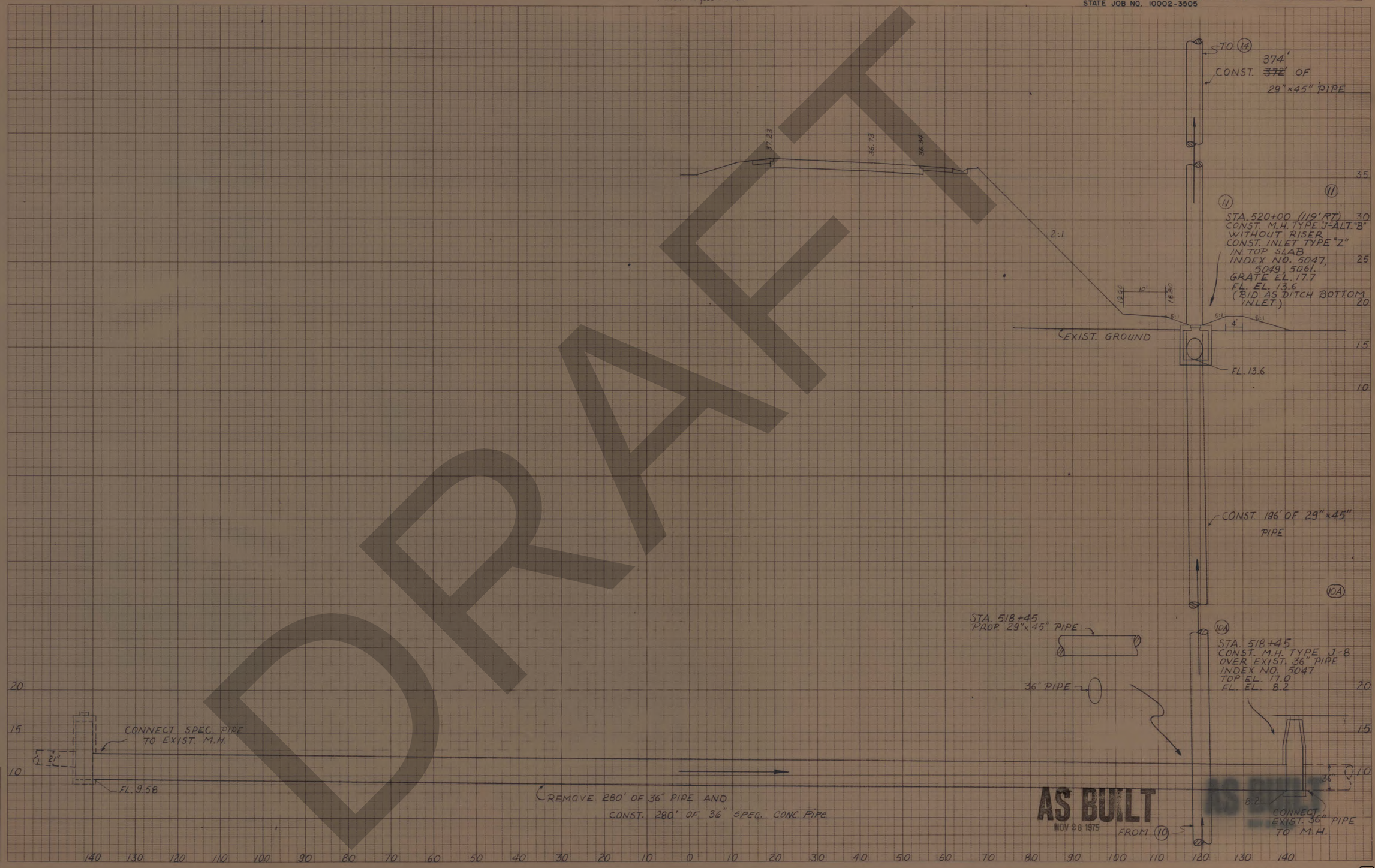
84/1

CROSS SECTIONS

Scale 1 inch = 5 feet Vert.
1 inch = 10 feet Horiz.

Fed. Road Dem. No.	State	County	Route	Proj. No.	Sheet No.
3	Fla.	HILLSBOROUGH	449	3505	19

STATE JOB NO. 10002-3505



DRAFT

AS BUILT
NOV 26 1975

Application No.
Route No.
Original Plotted by
" Checked by
Template by
Area by
Finals Plotted by
" Checked by
Area by
" Checked by

K&E CO. ORLANDO, FLA. ORDER STOCK @ 1904

Contract No. 5

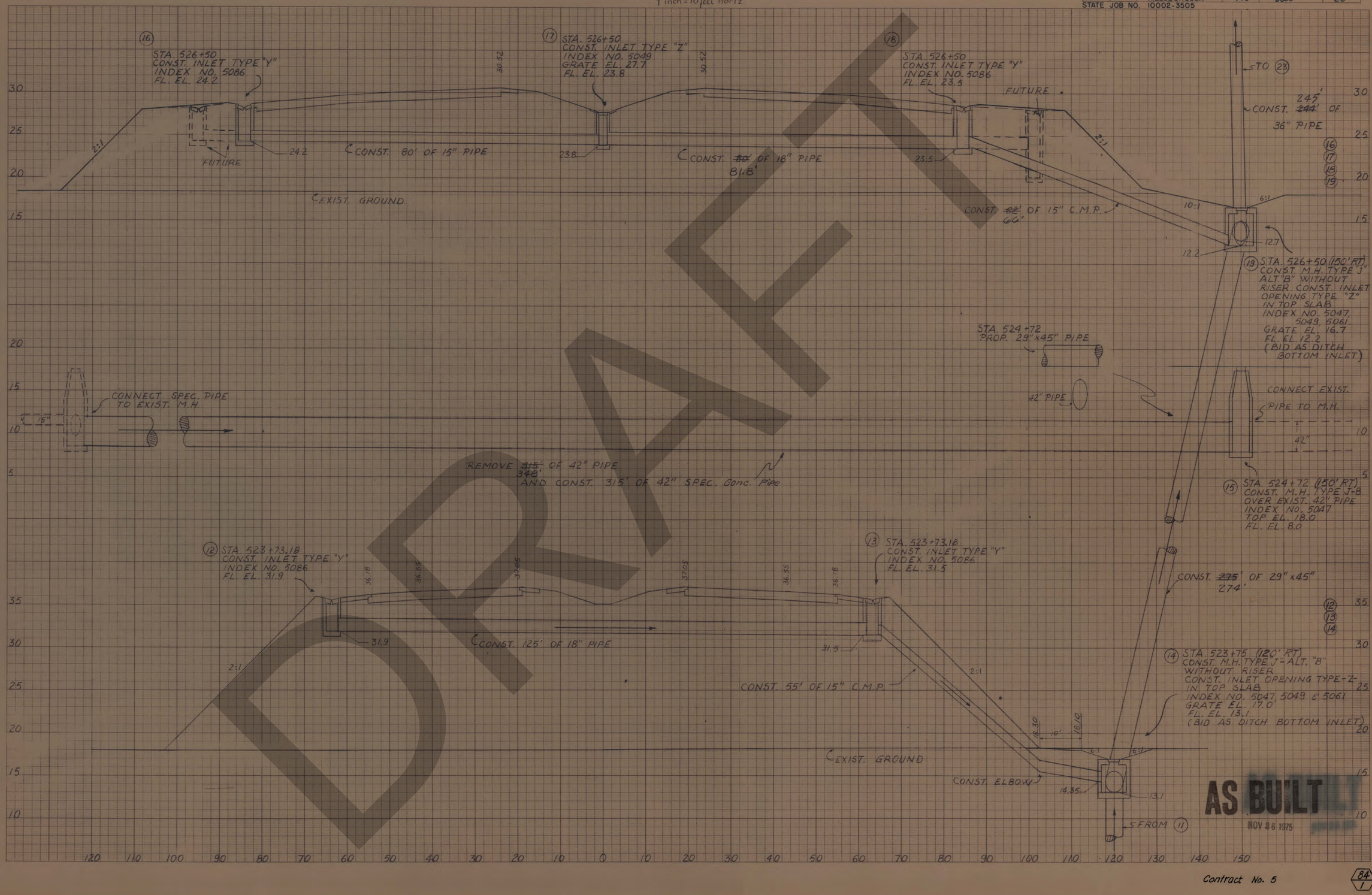
84/1

CROSS SECTIONS

Scale 1 inch = 5 feet Vert.
1 inch = 10 feet Horiz.

Fed. Road Dist. No.	State	County	Route	Proj. No.	Sheet No.
3	Fla.	HILLSBOROUGH	449	3505	20

STATE JOB NO. 10002-3505



Application No.
Route No.
Original Plotted by
" Checked by
Template by
Area by
Finals Plotted by
" Checked by
Area by
" Checked by

KAE CO. ORLANDO, FLA. ORDER STOCK # 1004

Contract No. 5

84/1

CROSS SECTIONS

Scale 1 inch = 5 feet Vert.
1 inch = 10 feet Horiz.

Fed. Road Distr. No.	State	County	Route	Proj. No.	Sheet No.
3	Fla.	HILLSBOROUGH	449	3505	21

STATE JOB NO. 10002-3505

(24) STA. 532+30
CONST. INLET TYPE "Y"
INDEX NO. 5086
FL. EL. 33.9

(25) STA. 532+30
CONST. INLET TYPE "Z"
INDEX NO. 5049
GRATE EL. 35.99
FL. EL. 33.6

(26) STA. 532+30
CONST. M.H. TYPE P-8
INDEX NO. 5047
FL. EL. 32.4

TO (30)

CONST. ~~32~~' OF 51.4' 15" PIPE

CONST. 48' OF 18" PIPE

272'
CONST. ~~268~~' OF 36" PIPE

(27) STA. 532+30
CONST. INLET TYPE "Z" INDEX NO. 5049
ON TYPE "J" M.H. BOTTOM
(SUBSTITUTE INLET IN PLACE OF M.H. RISER.)
OTHER M.H. DETAILS AS SHOWN IN INDEX NO. 5047.
GRATE EL. 17.1
FL. EL. 10.7
(BID AS DITCH BOTTOM INLET.)

62.5'
CONST. ~~60~~' OF 15" C.M.P.

PLAN VIEW

(28) STA. 148+70 (Cleveland St.)
CONST. INLET TYPE P-5
OVER EXIST. 18" PIPE
INDEX NO. 5041
FL. EL. 18.2

℄ CLEVELAND STREET

EXIST. INLET TO BE REMOVED

EXIST. 18" PIPE TO BE REMOVED

EXIST. 18" PIPE TO REMAIN

(20) STA. 528+97
CONST. INLET TYPE "Y"
INDEX NO. 5086
FL. EL. 24.1

(21) STA. 528+97
CONST. INLET TYPE "Z"
INDEX NO. 5049
GRATE EL. 27.97
FL. EL. 23.7

(22) STA. 528+97
CONST. INLET TYPE "Y"
INDEX NO. 5086
FL. EL. 23.4

FUTURE

CONST. 80' OF 15" PIPE

CONST. ~~80~~' 82' OF 18" PIPE

EXIST. GROUND

CONST. 64' OF 15" C.M.P.

CONST. ~~332~~' 325' OF 36" PIPE

(23) STA. 529+00 (148' RT.)
CONST. M.H. TYPE "J"
ALT. "B" WITHOUT RISER
CONST. INLET TYPE "Z"
IN TOP SLAB.
INDEX NO. 5047, 5049 & 5061
GRATE EL. 17.1
FL. EL. 11.6
(BID AS DITCH BOTTOM INLET.)

PLAN VIEW

DRAFT

AS BUILT
FROM (19) NOV 26 1975

Application No.
Route No.
Original Plotted by
" Checked by
Template by
Area by
Finals Plotted by
" Checked by
Area by
" Checked by

K&E CO. ORLANDO, FLA. ORDER STOCK # 1004

Contract No. 5

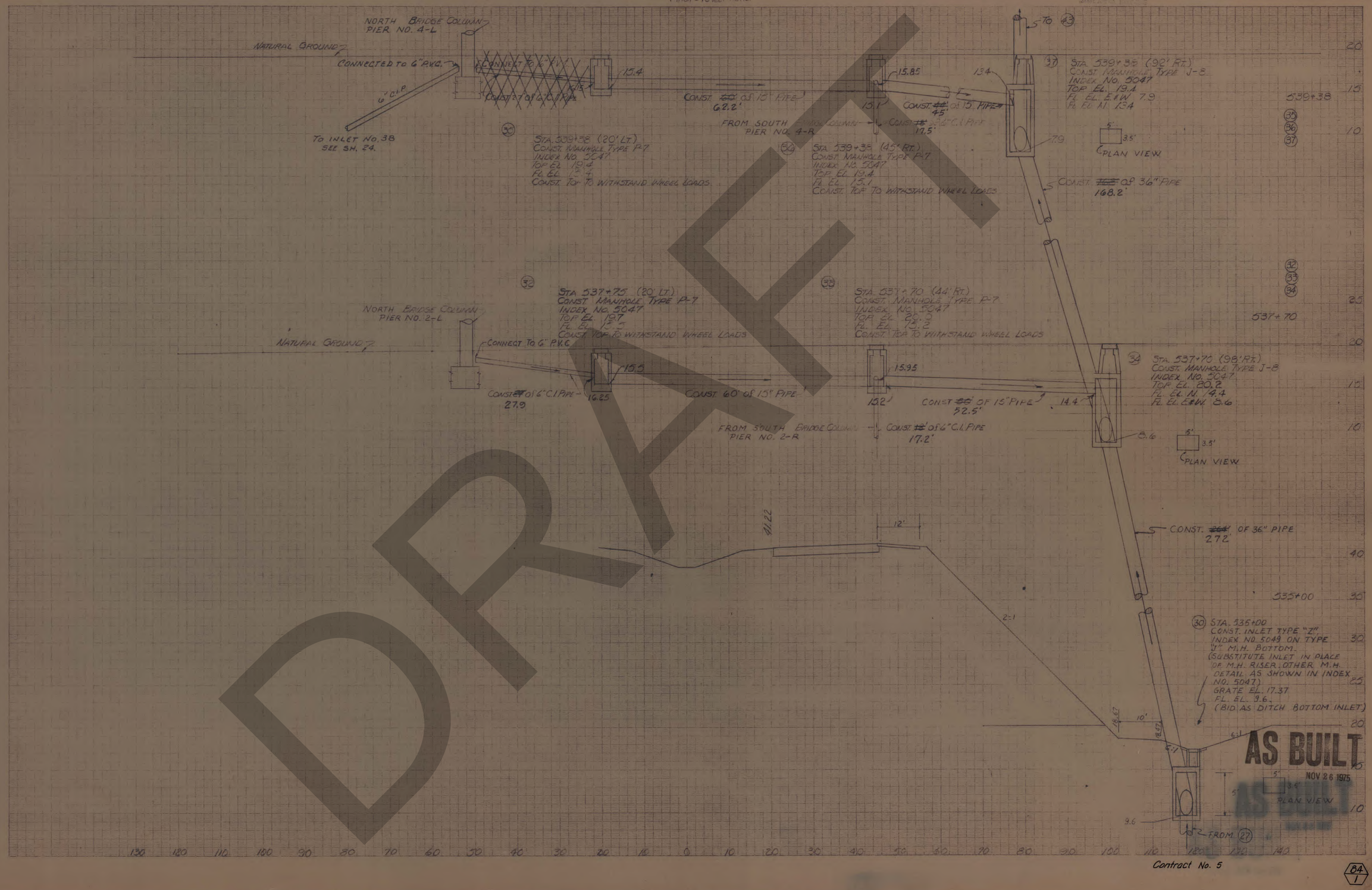
84/1

CROSS SECTIONS

Scale 1 inch = 5 feet Vert.
1 inch = 10 feet Horiz.

Fed. Road Distr. No.	State	County	Route	Proj. No.	Sheet No.
9	Fla.	HILLSBOROUGH	449	3505	22

STATE ROAD NO. 5



DRAFT

Application No.
Prints No.
Original Plotted by
" Checked by
Template by C.W.S.
Area by
Prints Plotted by
" Checked by
Area by
" Checked by

R. M. GOODWELL
JACKSONVILLE, FLA.

Contract No. 5

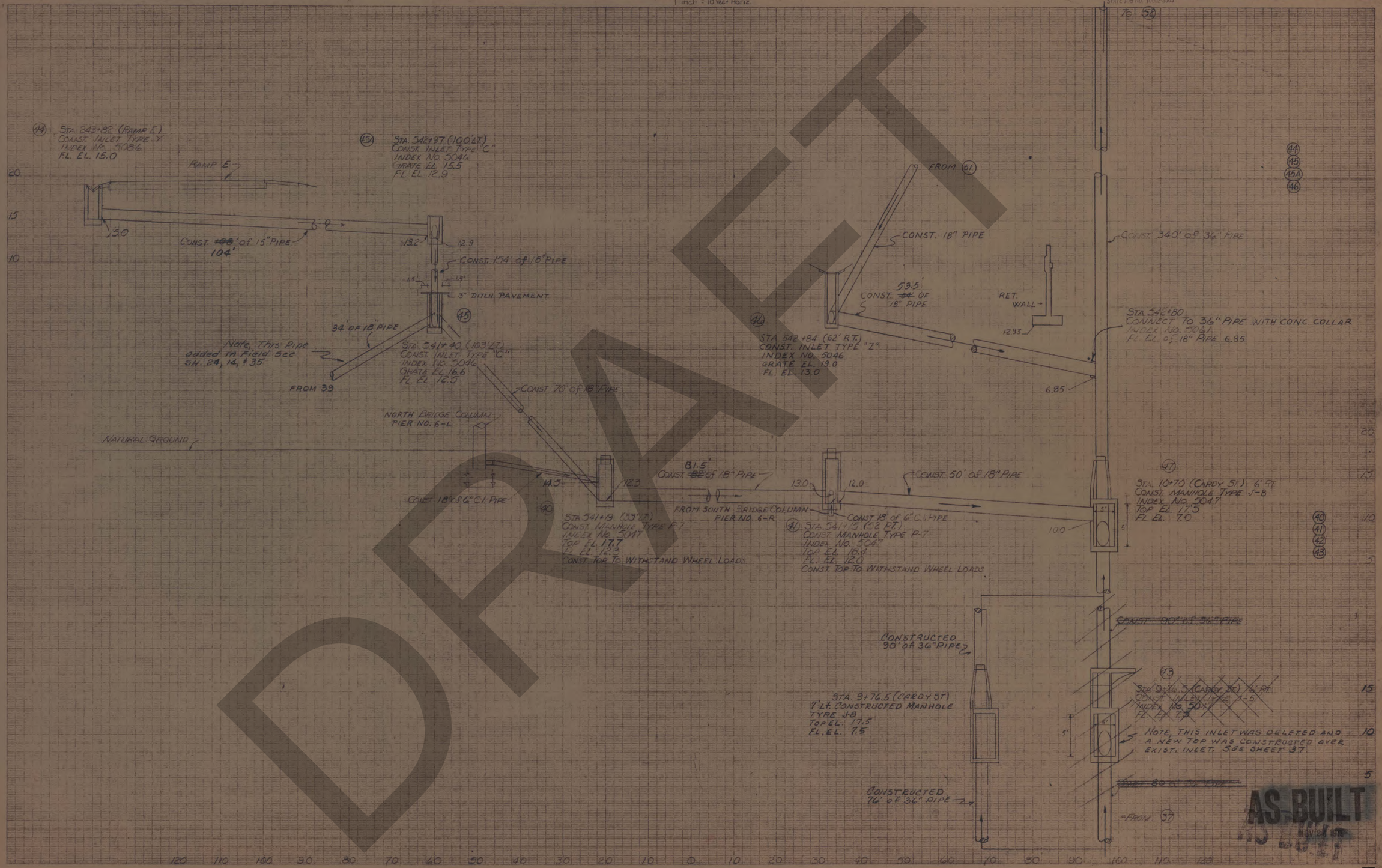
84
1

CROSS SECTIONS

Scale 1 inch = 5 feet Vert.
1 inch = 10 feet Horiz.

Fed. Road Dirn. No.	State	County	Route	Proj. No.	Sheet No.
3	Fla.	HILLSBOROUGH	449	3505	23

STATE JOB No. 10002-3505



Contract No. 5

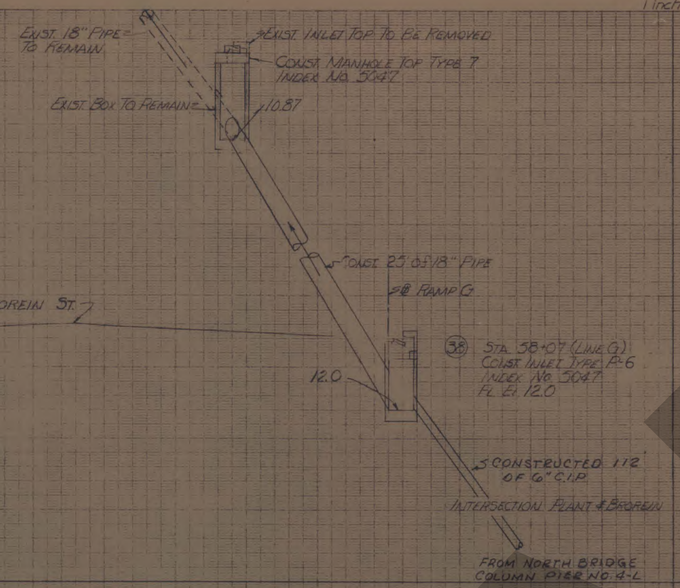
84/1

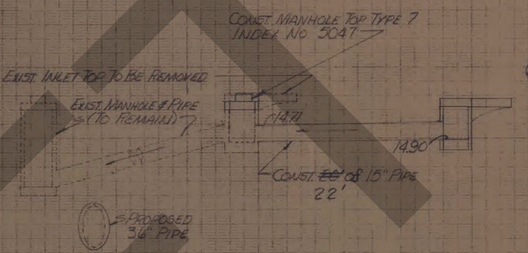
CROSS SECTIONS

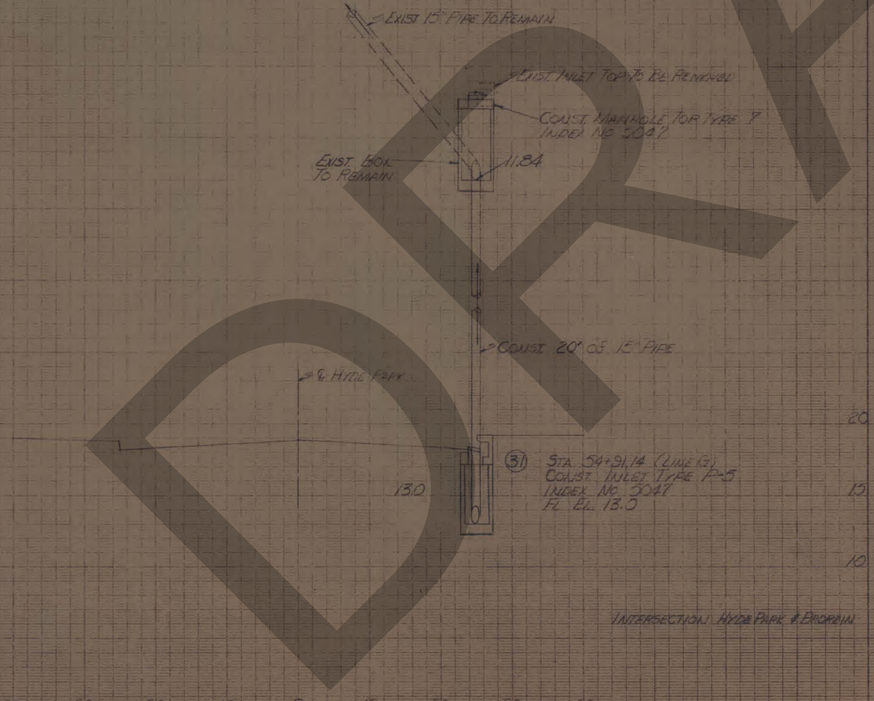
Scale 1 inch = 5 feet Vert.
1 inch = 10 feet Horiz.

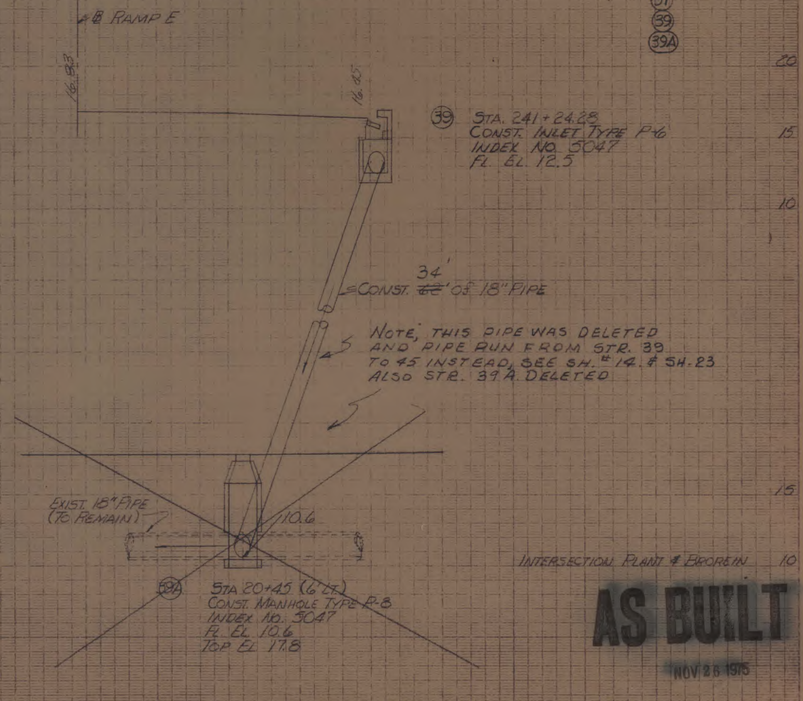
Fed. Road Desc. No.	State	County	Route	Proj. No.	Sheet No.
3	Fla.	HILLSBOROUGH	449	3505	24

STATE JOB No. 10002-3505









DRAFT

AS BUILT
NOV 26 1975

Application No.
Zone No.
Original Plotted by
" Checked by
Template by CMS.
Area by
Finals Plotted by
" Checked by
Area by
" Checked by

A. B. CORNWELL
TALLAHASSEE, FLA.

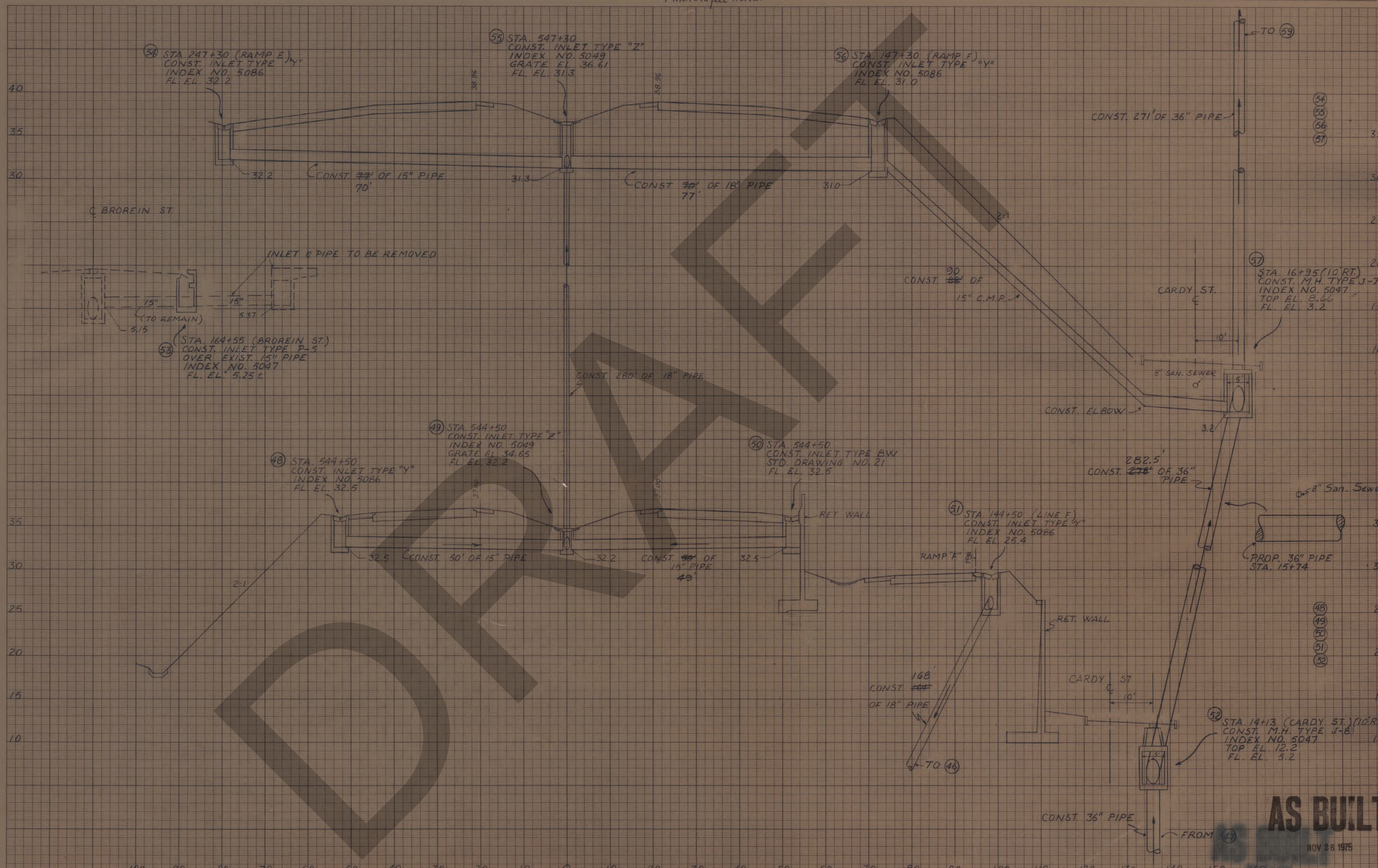
Contract No. 5

84
1

CROSS SECTIONS

Scale 1 inch = 5 feet Vert.
1 inch = 10 feet Horiz.

Fed. Road Divn. No.	State	County	Route	Proj. No.	Sheet No.
3	Fla	HILLSBOROUGH	449	0002-3505	25



DRAFT

AS BUILT
NOV 26 1975

Application No.
Route No.
Original Platted by
" Checked by
Template by
Area by
Finals Platted by
" Checked by
Area by
" Checked by

K&E CO. ORLANDO, FLA. ORDER STOCK © 1964

Contract No. 5

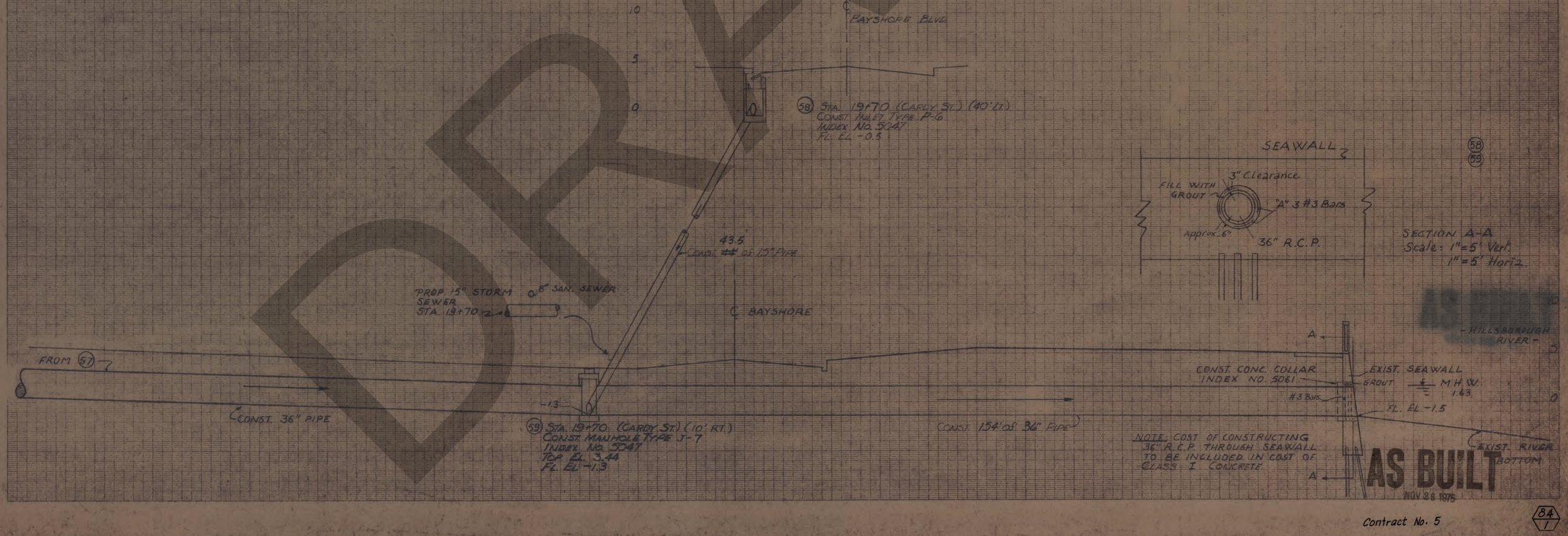
84/1

CROSS SECTIONS

Scale 1 inch = 5 feet Vert.
1 inch = 10 feet Horiz.

Fed./State/Proj. No.	State	County	Route	Proj. No.	Sheet No.
3	Fla.	HILLSBOROUGH	449	3505	26

STATE JOB No. 10002-3505



DRAFT

AS BUILT
NOV 26 1975

Application No.
Route No.
Original Plotted by
" Checked by
Template by CWS
Area by
Final Plotted by
" Checked by
Area by
" Checked by

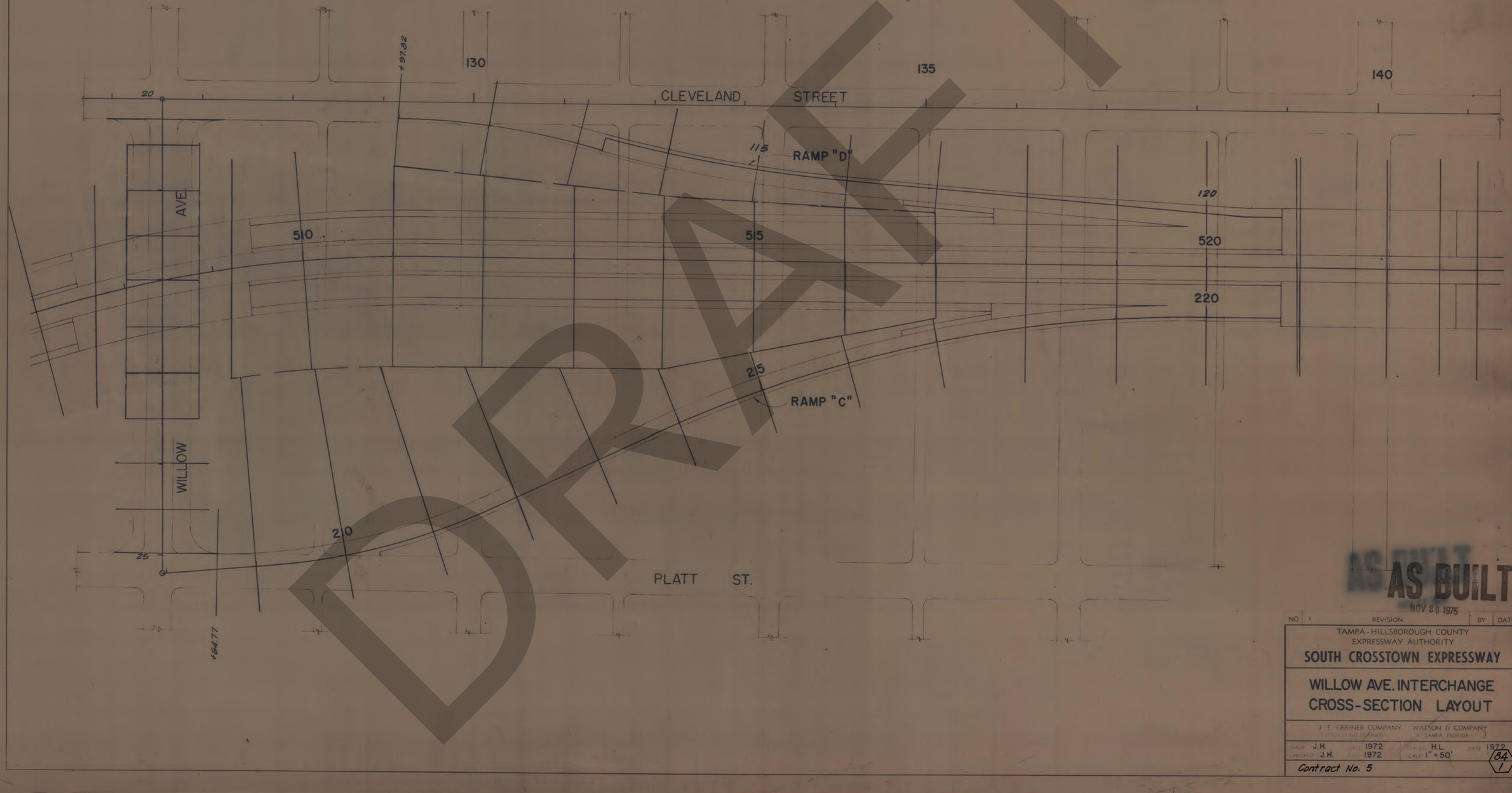
A. E. CORDWELL
MACCLENNY, FLA.

Contract No. 5

84
1

SECTION	CONTRACT	SOUTH CROSSTOWN EXPRESSWAY	SHEET NO
10002	3505		27
By WACO		TAMPA-HILLSBOROUGH COUNTY EXPRESSWAY AUTHORITY	Date 1972

SCALE: 1" = 50'



DRAFT

AS BUILT
NOV 26 1975

NO	REVISION	BY	DATE

TAMPA-HILLSBOROUGH COUNTY EXPRESSWAY AUTHORITY

SOUTH CROSSTOWN EXPRESSWAY

WILLOW AVE. INTERCHANGE CROSS-SECTION LAYOUT

J. E. GREINER COMPANY — WATSON & COMPANY
ENGINEERS — TAMPA, FLORIDA

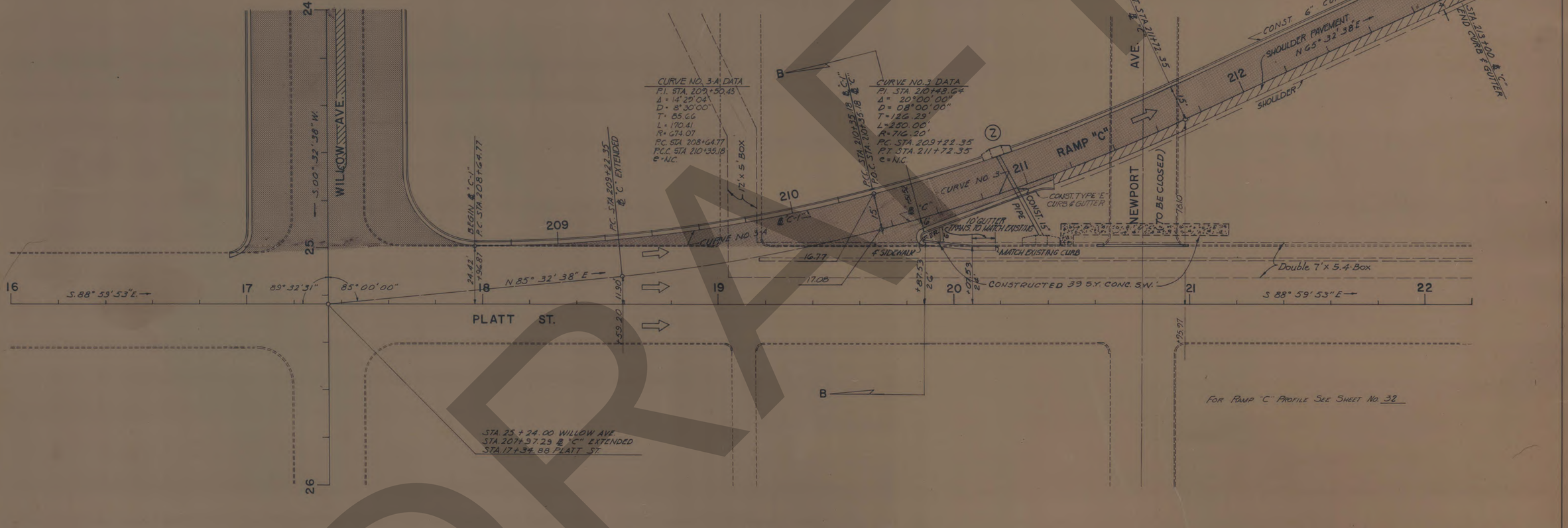
DRAWN J.H. DATE 1972 — TRACED H.L. DATE 1972
CHECKED J.H. DATE 1972 — SCALE 1" = 50'

Contract No. 5

84/1

SECTION	CONTRACT	SOUTH CROSSTOWN EXPRESSWAY	SHEET NO.
10002	3505		28
By: WACO		TAMPA-HILLSBOROUGH COUNTY EXPRESSWAY AUTHORITY	Date: 1974

SCALE 1"=20'



FOR RAMP "C" PROFILE SEE SHEET NO. 32

NOTE:

1. FOR WILLOW AVE. PLAN & PROFILE SEE SHEET NO. 15

DRAFT

AS BUILT
NOV 26 1975

AS BUILT

NO.	REVISION	BY	DATE

TAMPA-HILLSBOROUGH COUNTY EXPRESSWAY AUTHORITY

SOUTH CROSSTOWN EXPRESSWAY

TERMINAL DETAILS RAMP "C"

J. E. GREINER COMPANY — WATSON & COMPANY
CONSULTING ENGINEERS TAMPA, FLORIDA

MADE J.H. DATE 1972 TRACED H.L. DATE 1972
CHECKED J.N.C. DATE 1973 SCALE 1" = 20'

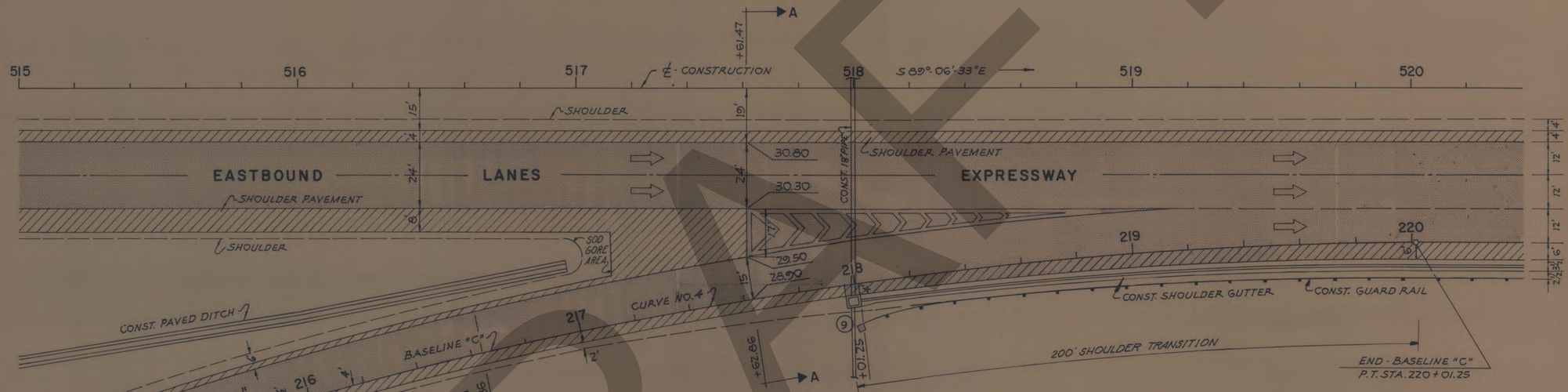
Contract No. 5

84
1

SECTION	CONTRACT	SOUTH CROSSTOWN EXPRESSWAY	SHEET NO.
10002	3505		29
By WACO		TAMPA-HILLSBOROUGH COUNTY EXPRESSWAY AUTHORITY	Date: 1974

STATE JOB NO. 10002-3505

SCALE 1" = 20'



CURVE NO. 4 DATA
P.I. STA. 216+89.66
Δ = 25° 20' 59"
D = 4° 00' 00"
T = 322.15'
L = 633.74'
R = 1432.39'
e = 0.04'/'
P.C. STA. 213+67.51
P.T. STA. 220+01.25

FOR RAMP "C" PROFILE - SEE SHEET NO. 32

DRAFT

AS BUILT
NOV 26 1975

NO.	REVISION	BY	DATE

TAMPA - HILLSBOROUGH COUNTY EXPRESSWAY AUTHORITY

SOUTH CROSSTOWN EXPRESSWAY

TERMINAL DETAILS RAMP "C"

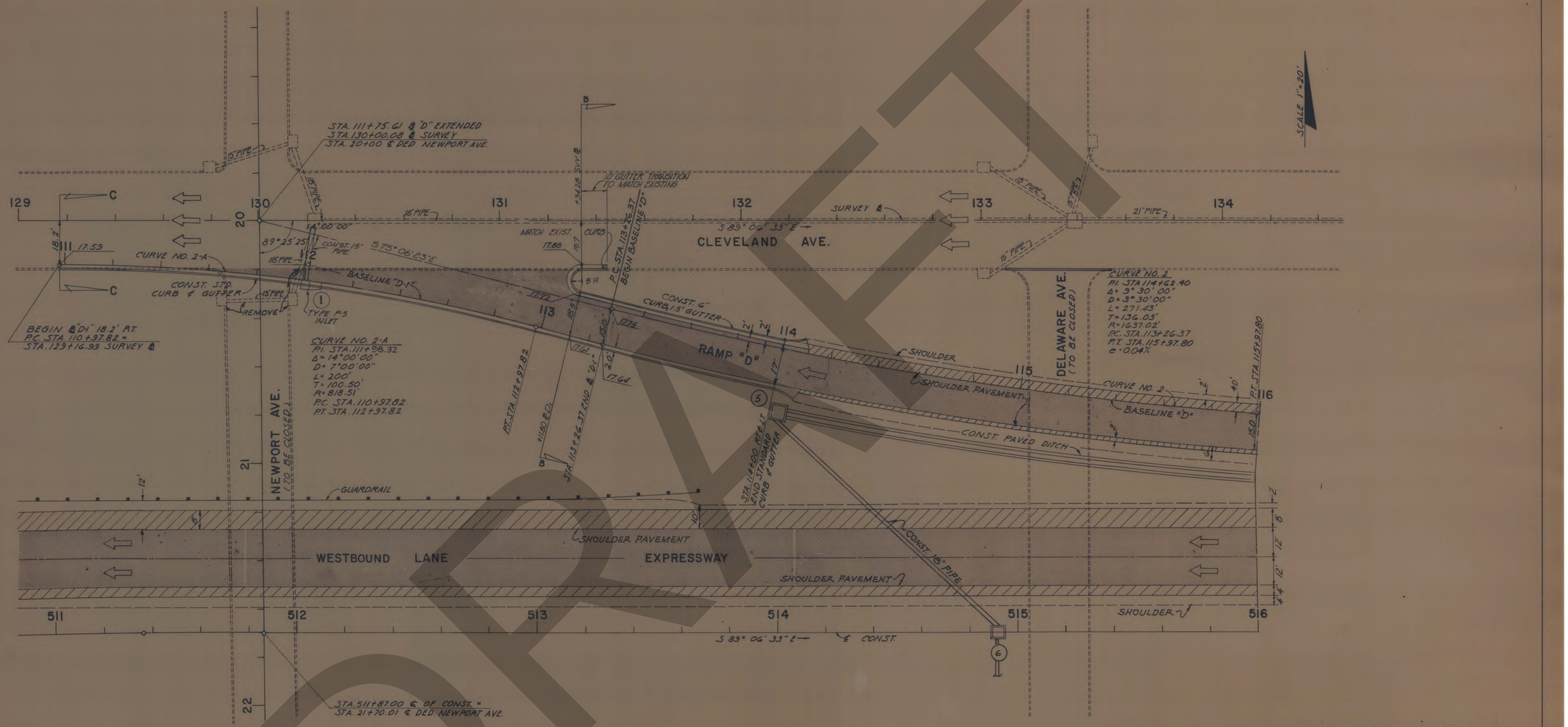
J. E. GREINER COMPANY — WATSON & COMPANY
CONSULTING ENGINEERS TAMPA, FLORIDA

MADE J.L.H. DATE 1972 | TRACED R.B. DATE 1972
CHECKED J.N.C. DATE 1973 | SCALE 1" = 20'

84
1

Contract No. 5

SECTION	CONTRACT	SOUTH CROSSTOWN EXPRESSWAY	SHEET NO.
10002	3505		30
By: WACO	TAMPA-HILLSBOROUGH COUNTY EXPRESSWAY AUTHORITY		Date: 1974



FOR RAMP "D" PROFILE - SEE SHEET NO. 33

DRAFT

AS BUILT
NOV 26 19[illegible]

NO	REVISION	BY	DATE

TAMPA - HILLSBOROUGH COUNTY EXPRESSWAY AUTHORITY

SOUTH CROSSTOWN EXPRESSWAY

TERMINAL DETAILS RAMP "D"

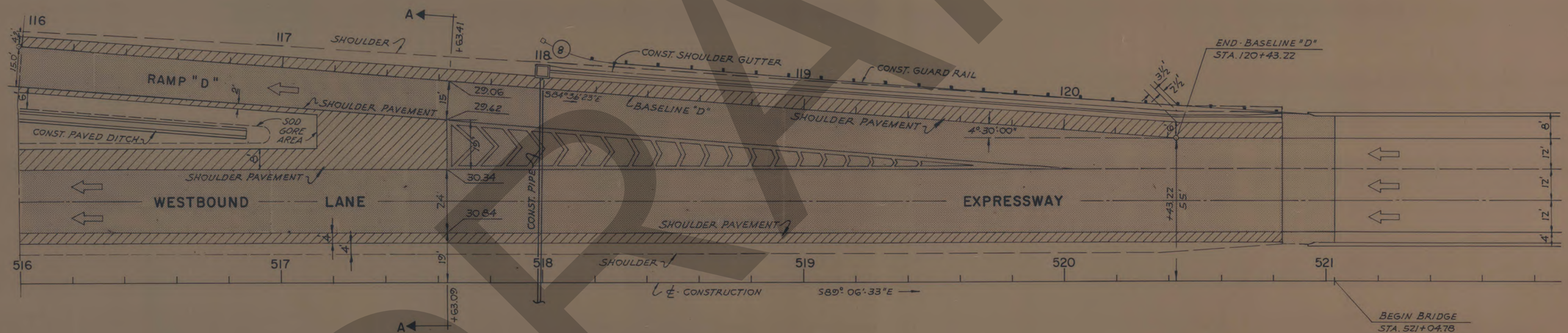
J. E. GREINER COMPANY — WATSON & COMPANY
CONSULTING ENGINEERS TAMPA, FLORIDA

MADE J.L.H.	DATE 1972	TRACED A.B.	DATE 1972
CHECKED J.N.C.	DATE 1973	SCALE 1" = 20'	84 / 1

Contract No. 5

SECTION	CONTRACT	SOUTH CROSSTOWN EXPRESSWAY	SHEET NO.
10002	3505		31
By: WACO		TAMPA-HILLSBOROUGH COUNTY EXPRESSWAY AUTHORITY	Date: 1974

SCALE 1"=20'



FOR RAMP "D" PROFILE - SEE SHEET NO. 33

NO	REVISION	BY	DATE

TAMPA - HILLSBOROUGH COUNTY EXPRESSWAY AUTHORITY

SOUTH CROSSTOWN EXPRESSWAY

TERMINAL DETAILS RAMP "D"

J. E. GREINER COMPANY — WATSON & COMPANY
CONSULTING ENGINEERS TAMPA, FLORIDA

MADE J.L.H.	DATE 1972	TRACED A.B.	DATE 1972
CHECKED J.N.C.	DATE 1973	SCALE 1" = 20'	84/1

Contract No. 5

AS BUILT
NOV 26 1975

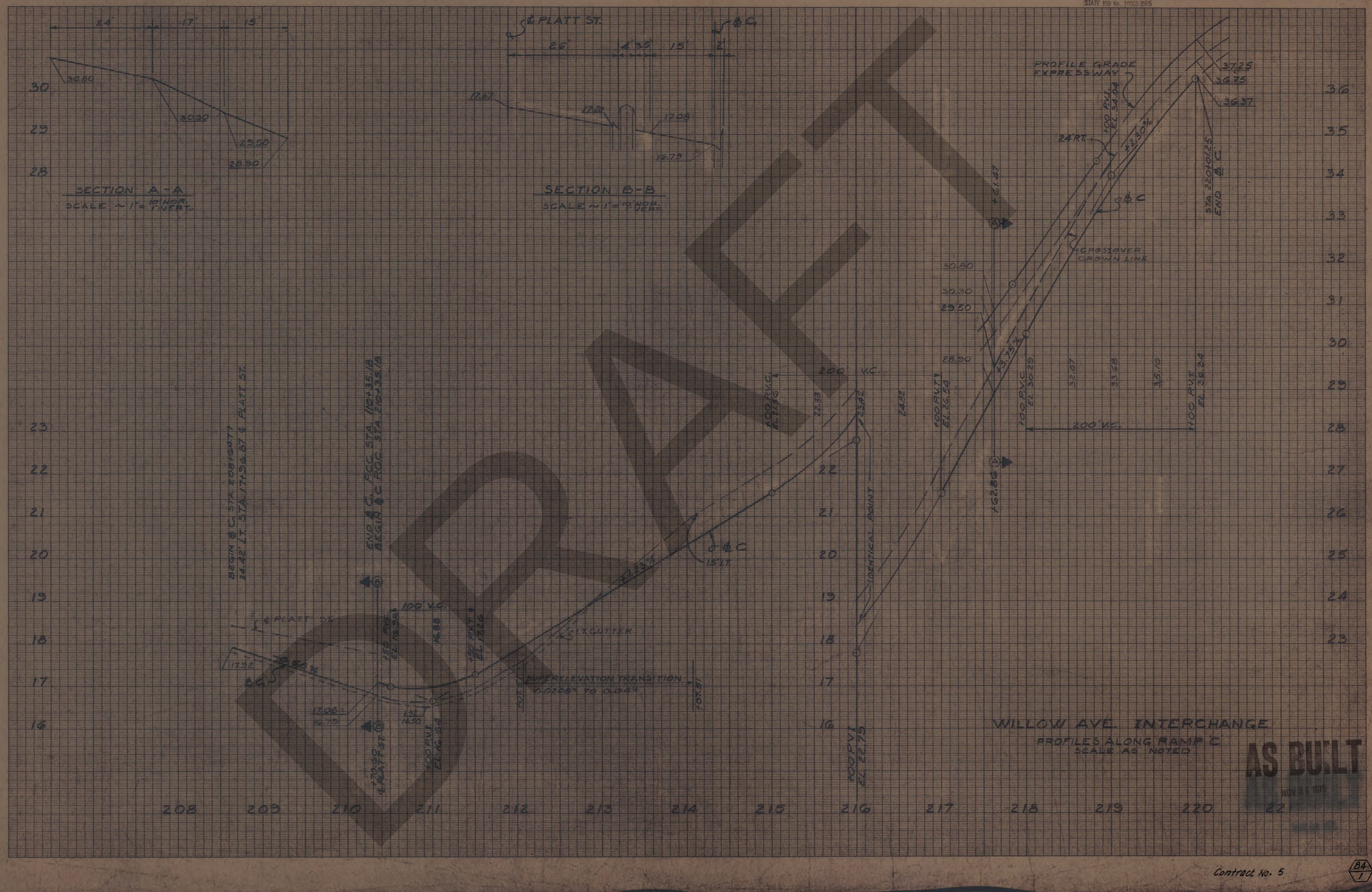
DRAFT

CROSS SECTIONS

Scale 1 inch = 8 feet

Fed. Road Dsrn. No.	State	County	Route	Proj. No.	Sheet No.
8	Fla.	HILLSBOROUGH	419	3505	32

STATE JOB No. 10002-3505



AS BUILT

NOV 24 1971

Application No. _____
Route No. _____
Original Plotted by _____
" Checked by _____
Template by _____
Area by _____
Finals Plotted by _____
" Checked by _____
Area by _____
" Checked by _____

A. R. COGSWELL
JACKSONVILLE, FLA.

Contract No. 5

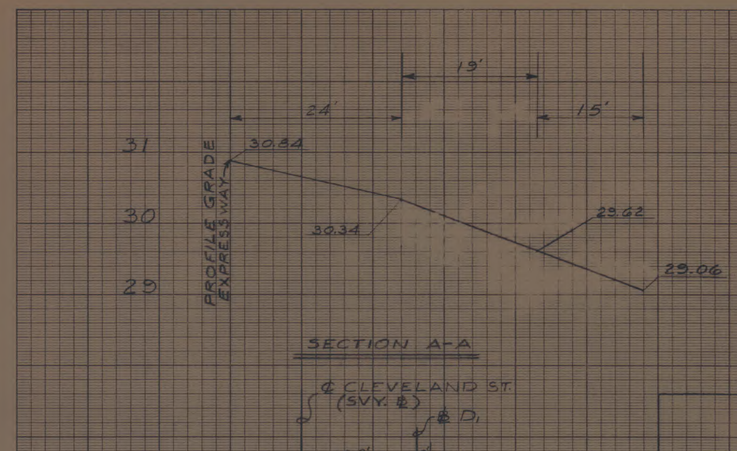
B4
1

CROSS SECTIONS

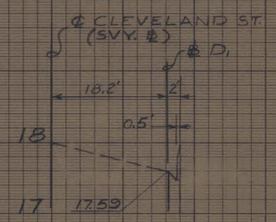
Scale 1 inch = 5 feet

Fed. Road Divn. No.	State	County	Route	Proj. No.	Sheet No.
3	Fla.	HILLSBOROUGH	449	3505	33

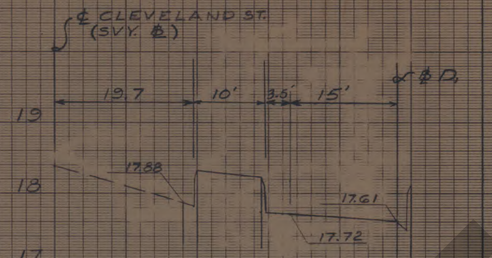
STATE JOB No. 10002-3505



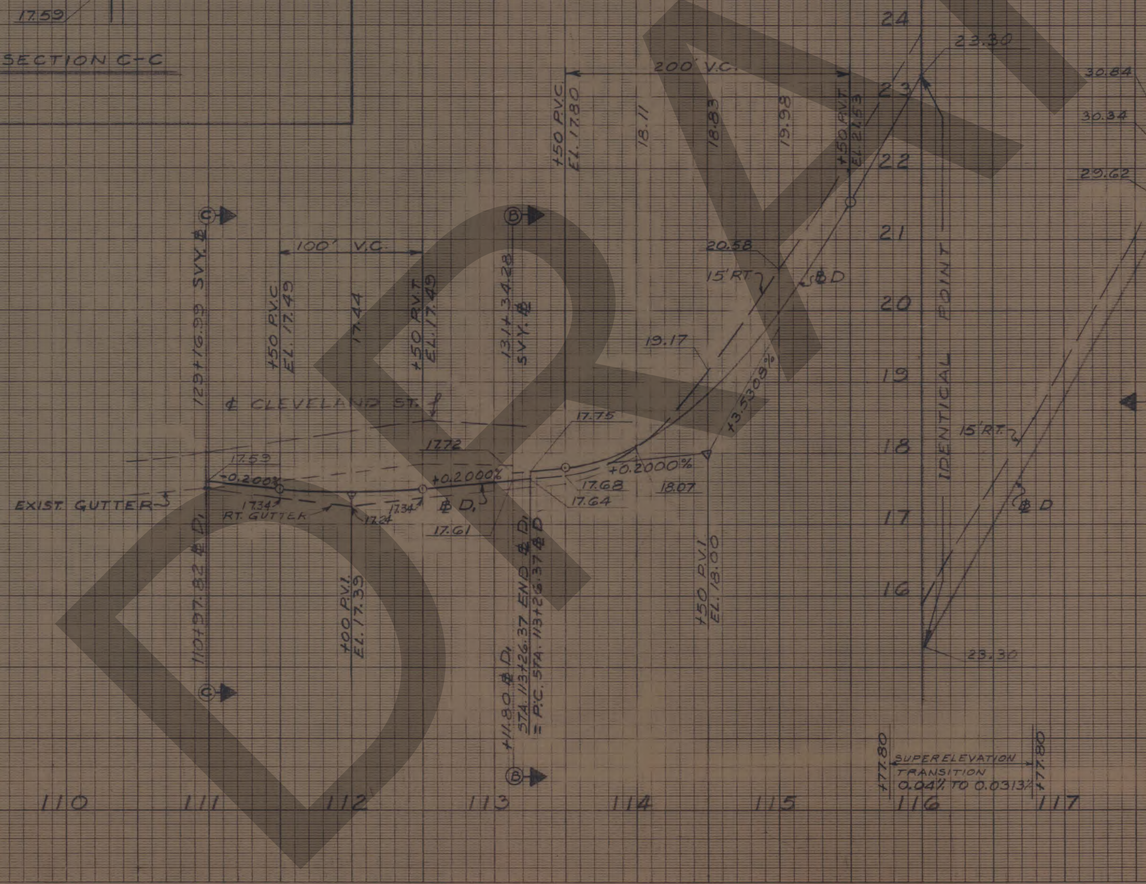
SECTION A-A

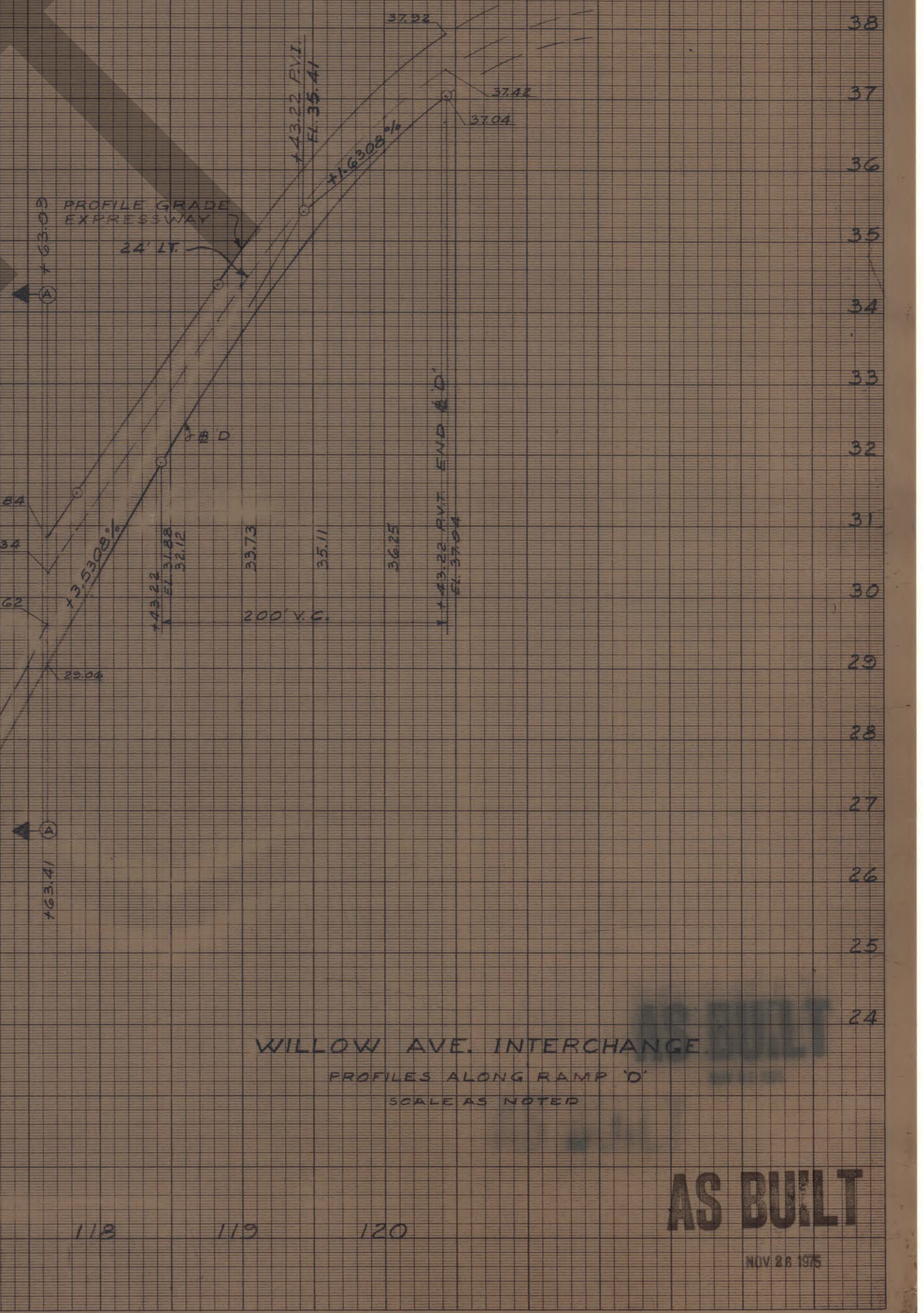


SECTION C-C



SECTION B-B





+77.80 SUPERELEVATION TRANSITION 0.04% TO 0.0313% +77.80

WILLOW AVE. INTERCHANGE

PROFILES ALONG RAMP 'D'

SCALE AS NOTED

AS BUILT

NOV. 28 1975

Application No.
Route No.
Original Platted by
" Checked by
Template by
Area by
Finals Platted by
" Checked by
Area by
" Checked by

K&E CO. ORLANDO, FLA. ORDER STOCK @ 1804

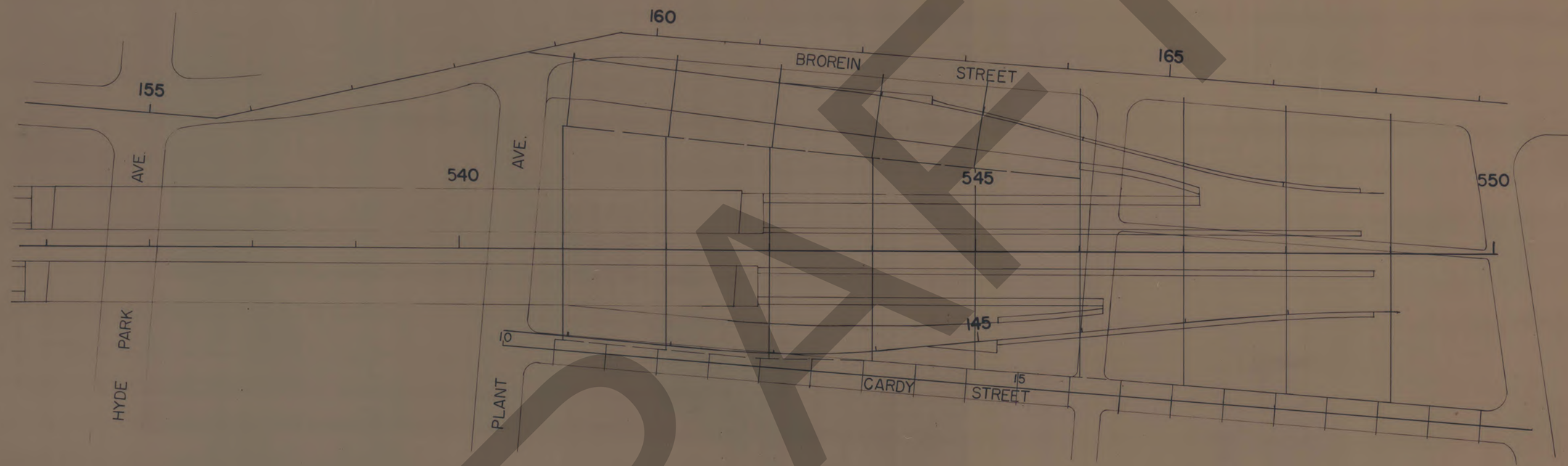
Contract No. 5

84/1

SECTION	CONTRACT	SOUTH CROSSTOWN EXPRESSWAY	SHEET NO.
10002	3505		34
By: WACO		TAMPA-HILLSBOROUGH COUNTY EXPRESSWAY AUTHORITY	Date: 1972

STATE JOB No. 10002-3505

SCALE: 1" = 50'



DRAFT

AS BUILT

NOV 26 1975

NO.	REVISION	BY	DATE

TAMPA-HILLSBOROUGH COUNTY EXPRESSWAY AUTHORITY

SOUTH CROSSTOWN EXPRESSWAY

PLANT AVE. INTERCHANGE CROSS-SECTION LAYOUT

J. E. GREINER COMPANY — TAMPA, FLORIDA — WATSON & COMPANY — TAMPA, FLORIDA

DESIGN J.L.H.	DATE 1972	DRAWN H.L.	DATE 1972
CHECKED J.L.H.	DATE 1972	SCALE 1"=50'	

Contract No. 5

84/1

SECTION	CONTRACT	SOUTH CROSSTOWN EXPRESSWAY	SHEET NO.
10002	3505		35
By: WACO	TAMPA-HILLSBOROUGH COUNTY EXPRESSWAY AUTHORITY		Date: 1972

STATE JOB No. 10002-3505

CURVE NO. 8 DATA
P.I. STA. 244+49.99
Δ = 7°-31'-36" RT.
D = 4°-00'-00"
T = 94.22'
L = 188.17'
R = 1432.39'
e = NO SUPERELEVATION
P.C. STA. 243+55.77
P.T. STA. 245+43.94

SCALE 1"=20'

240+50.31 - BASELINE "E"
158+73.01 - SURVEY ℄ =
20+00.00 - PLANT AVE.

P.I. NO. 6
STA. 159+63.88 - SURVEY ℄

W. BROREIN ST.

15" PIPE
30" PIPE
18" PLUG
24" PIPE
16" PIPE
18" PIPE (TO REMAIN)
N 74°-09'-31" E
18°-41'-44"
06°-41'-44"
N 0°-51'-15" E
MATCH EXIST. CURB
STD. CURB & GUTTER
REMOVE INLET
16.95
16.83
17.15
16.45
17.15
16.85
17.22
17.32
17.37
17.41
16.05
+24.26
42'
+00
42'
+00
22.00
58.33
22.2'
92°-00'-00"
PLANT AVE.
21
22
CONST. 18" PIPE
18" PIPE & MH DELETED
CONSTRUCTED 34 L.F. 18" PIPE
CONST. 18" PIPE
CONSTRUCTED 5' CONC. S.W.
FOR W. BROREIN ST. WIDENING DETAILS - SEE SHEET NO. 42
38
39A
39
45
45A
℄ FENCE AND GATE
4' GATE
CONST. 6" C.I. PIPE
STA. 541+14
CONST. 18" PIPE
6 SPA. @ 10'-60'
17.8
18.0
18.3
22'
18.3
REMOVE CURB
85°-31'-36"
STA. 540+47.58 - ℄ CONST. = STA. 21+88.82 - PLANT AVE.
PARKING AREA (Limerock Base with 3" Type S-1 Surface Course)
BRIDGE PIER (TYP)
15'-R
6'-R
18.0
18.1
18.2
10'-R
CONSTRUCTED 4' CONC. S.W.
NOTE, THIS ITEM WAS DEDUCTED FROM CONTRACT 7 & ADDED to CONTRACT 5.
FENCE AND GATES
4' GATE
TYPE 'B' FENCE IN TOLL PLAZA CONTRACT
45'
3 GATE
℄ CONSTRUCTION
END BRIDGE STA. 542+69.59
540
541
542
543
544
545
160
161
162
163
158
159
241
242
243
244
245
S-89°-26'-38"-E
N-86°-22-51"-E
100' PAVING EXCEPTION
TOLL PLAZA (BY OTHERS)
SURVEY ℄
30'
+26.2
BEGIN RETAINING WALL
CONST. RET. WALL
44
+53
30'
S 87°-08'-45" E
TERMINAL SECTION
CONST. RETAINING WALL GUTTER (INDEX 506)
CONST. SHOULDER GUTTER
CONST. GUARD RAIL
SHOULDER PAVEMENT
CURVE NO. 8
P.C. STA. 243+55.77
RAMP "E"
BASELINE "E"
P.T. STA. 245+43.94
400' TAPER (42" to 18")
CONST. 15" PIPE
CONST. PAVED DITCH
6" V.C.P. (SEE BRIDGE PLANS)
25.58'
MATCH LINE STA 245+50
100' END 2'-8" W. PAVED DITCH & BEGIN PAVED V-BOTTOM DITCH
+45
CONST. GUARD RAIL
48
49
SHOULDER PAVEMENT
CONST. PIPE
SHOULDER PAVEMENT
SHOULDER
6"
12'
12'
8'-4"
4'-4"
18"

FOR RAMP "E" PROFILE - SEE SHEET NO. 39.

DRAFT
AS BUILT
NOV 26 1975

NO.	REVISION	BY	DATE

TAMPA - HILLSBOROUGH COUNTY EXPRESSWAY AUTHORITY

SOUTH CROSSTOWN EXPRESSWAY

TERMINAL DETAILS RAMP "E"

J. E. GREINER COMPANY — WATSON & COMPANY
CONSULTING ENGINEERS — TAMPA, FLORIDA

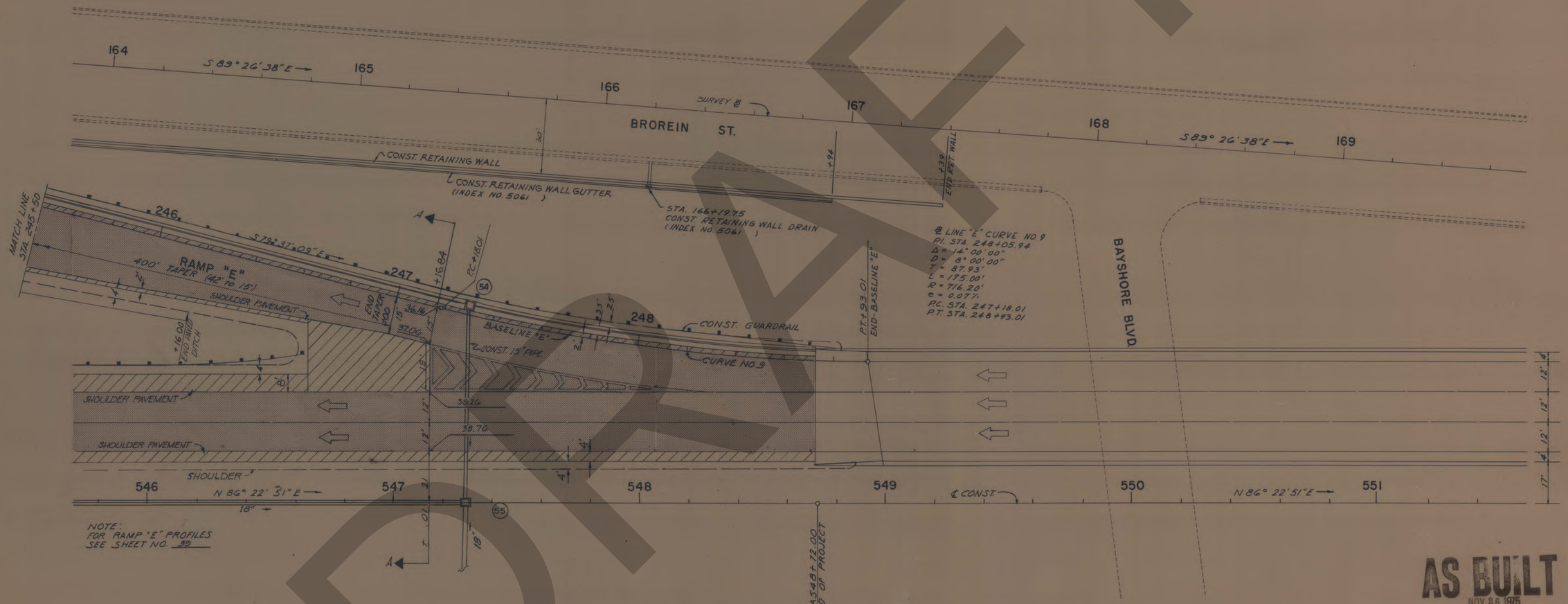
MADE V.L.H. DATE 1972 | TRACED H.L. DATE 1972
CHECKED V.N.C. DATE 1973 | SCALE 1" = 50' | 84/1

Contract No. 5

SECTION	CONTRACT	SOUTH CROSSTOWN EXPRESSWAY	SHEET NO.
10002	3505		36
By: WACO	TAMPA-HILLSBOROUGH COUNTY EXPRESSWAY AUTHORITY		Date: 1974

STATE JOB No. 10002-3505

SCALE 1"=20'



NOTE:
FOR RAMP "E" PROFILES SEE SHEET NO. 39

DRAFT

AS BUILT
NOV 26 1975

NO	REVISION	BY	DATE

TAMPA - HILLSBOROUGH COUNTY EXPRESSWAY AUTHORITY

SOUTH CROSSTOWN EXPRESSWAY

TERMINAL DETAILS RAMP "E"

J. E. GREINER COMPANY → WATSON & COMPANY
CONSULTING ENGINEERS — TAMPA, FLORIDA

MADE J.L.H. DATE 1972
CHECKED J.N.C. DATE 1973
TRACED H.L. DATE 1972
SCALE 1" = 20'

84
1

Contract No. 5

AS BUILT

SECTION	CONTRACT	SOUTH CROSSTOWN EXPRESSWAY	SHEET NO.
10002	3505		37
By: WACO	TAMPA-HILLSBOROUGH COUNTY EXPRESSWAY AUTHORITY		Date: 1974

STATE JOB NO. 10002-3505

SCALE 1" = 20'



CURVE NO 6 DATA

P.I. STA. 143+36.42
Δ = 10°02'08" LT.
D = 6°30'00"
T = 77.39'
L = 154.39'
R = 881.47'
e = NO SUPERELEVATION
P.C. STA. 142+59.03
P.T. STA. 144+13.42

FOR RAMP "F" PROFILE - SEE SHEET NO. 40

FOR CARDY ST. PROFILE - SEE SHEET NO. 44

DRAFT

AS BUILT
NOV 26 1975

NO.	REVISION	BY	DATE

TAMPA - HILLSBOROUGH COUNTY EXPRESSWAY AUTHORITY

SOUTH CROSSTOWN EXPRESSWAY

TERMINAL DETAILS RAMP "F"

J. E. GREINER COMPANY — WATSON & COMPANY
CONSULTING ENGINEERS TAMPA, FLORIDA

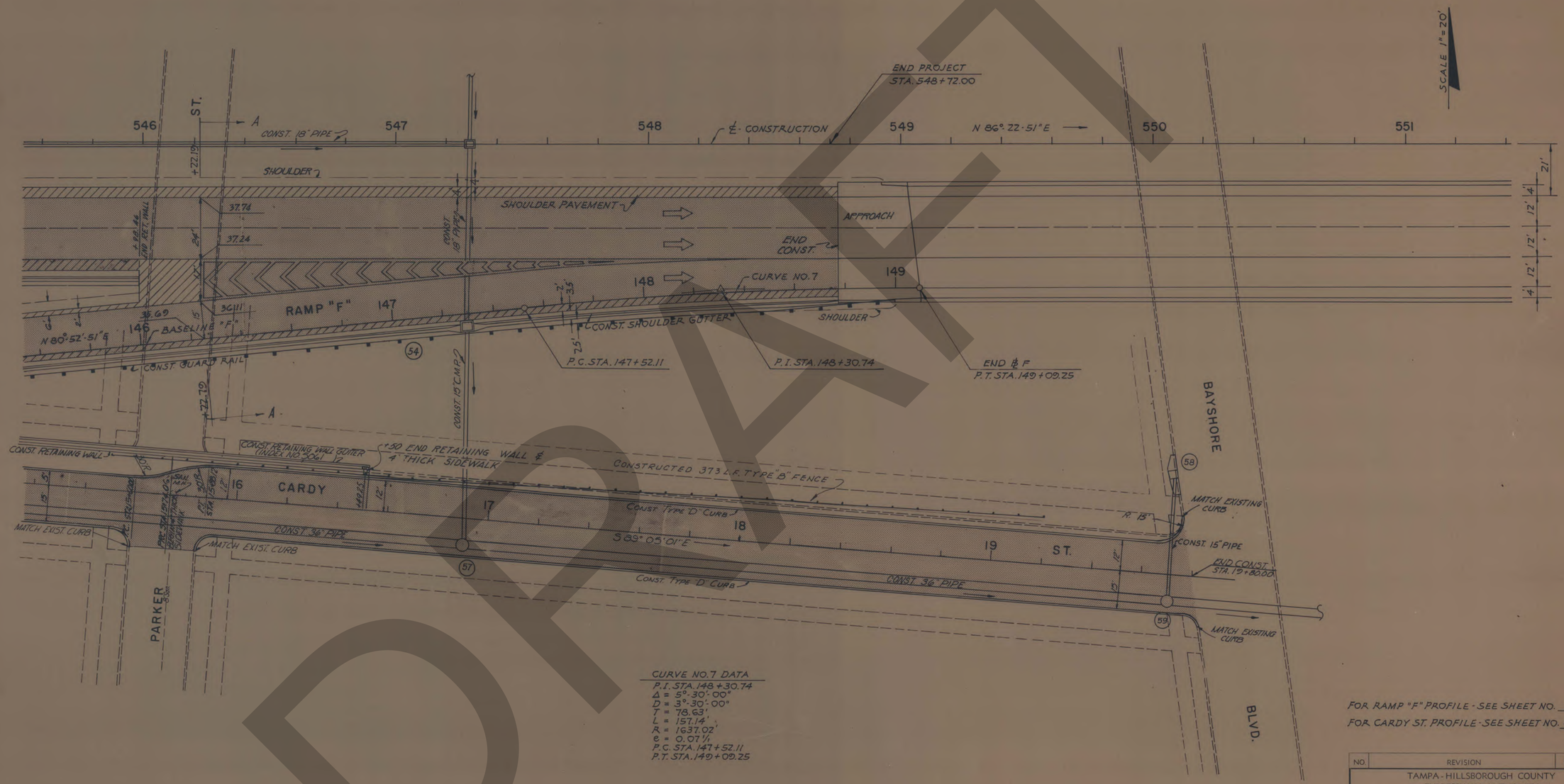
MADE J.H. DATE 1972 | TRACED H.L. DATE 1972
CHECKED J.N.C. DATE 1973 | SCALE 1" = 20'

84/1

Contract No. 5

SECTION	CONTRACT	SOUTH CROSSTOWN EXPRESSWAY	SHEET NO.
10002	3505		38
By: WACO	TAMPA-HILLSBOROUGH COUNTY EXPRESSWAY AUTHORITY		Date: 1974

STATE JOB NO. 10002-3505



CURVE NO. 7 DATA
P.I. STA. 148+30.74
Δ = 5° 30' 00"
D = 3° 30' 00"
T = 78.63'
L = 157.14'
R = 1637.02'
e = 0.07 ft.
P.C. STA. 147+52.11
P.T. STA. 149+09.25

FOR RAMP "F" PROFILE - SEE SHEET NO. 40.
FOR CARDY ST. PROFILE - SEE SHEET NO. 44.

DRAFT

AS BUILT
NOV 26 1975

NO.	REVISION	BY	DATE

TAMPA - HILLSBOROUGH COUNTY EXPRESSWAY AUTHORITY

SOUTH CROSSTOWN EXPRESSWAY

TERMINAL DETAILS RAMP "F"

AS BUILT

J. E. GREINER COMPANY — WATSON & COMPANY
CONSULTING ENGINEERS — TAMPA, FLORIDA

MADE J.H. DATE 1972 | TRACED H.L. DATE 1972
CHECKED J.N.C. DATE 1973 | SCALE 1" = 20'

Contract No. 5

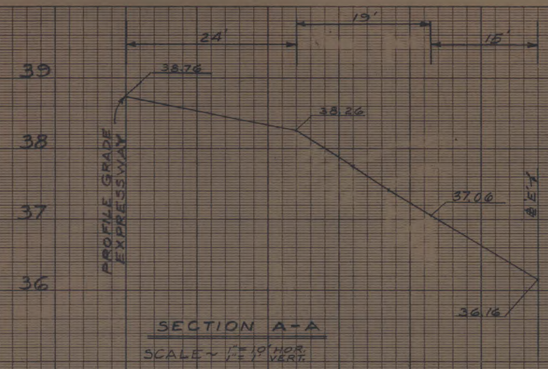
84
1

CROSS SECTIONS

Scale 1 inch = 5 feet

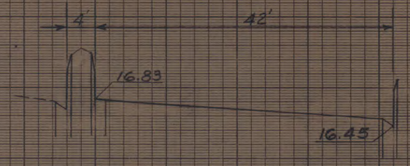
Fed. Road Dist. No.	State	County	Route	Proj. No.	Sheet No.
3	Fla.	HILLSBOROUGH	449	3505	39

STATE JOB No. 10002-3505



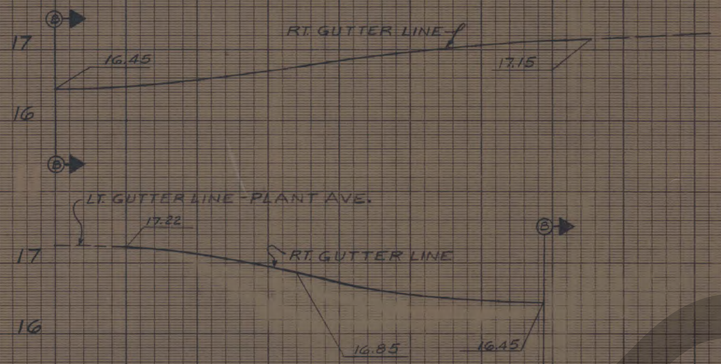
SECTION A-A

SCALE ~ 1" = 10' HOR. 1" = 1' VERT.



SECTION B-B

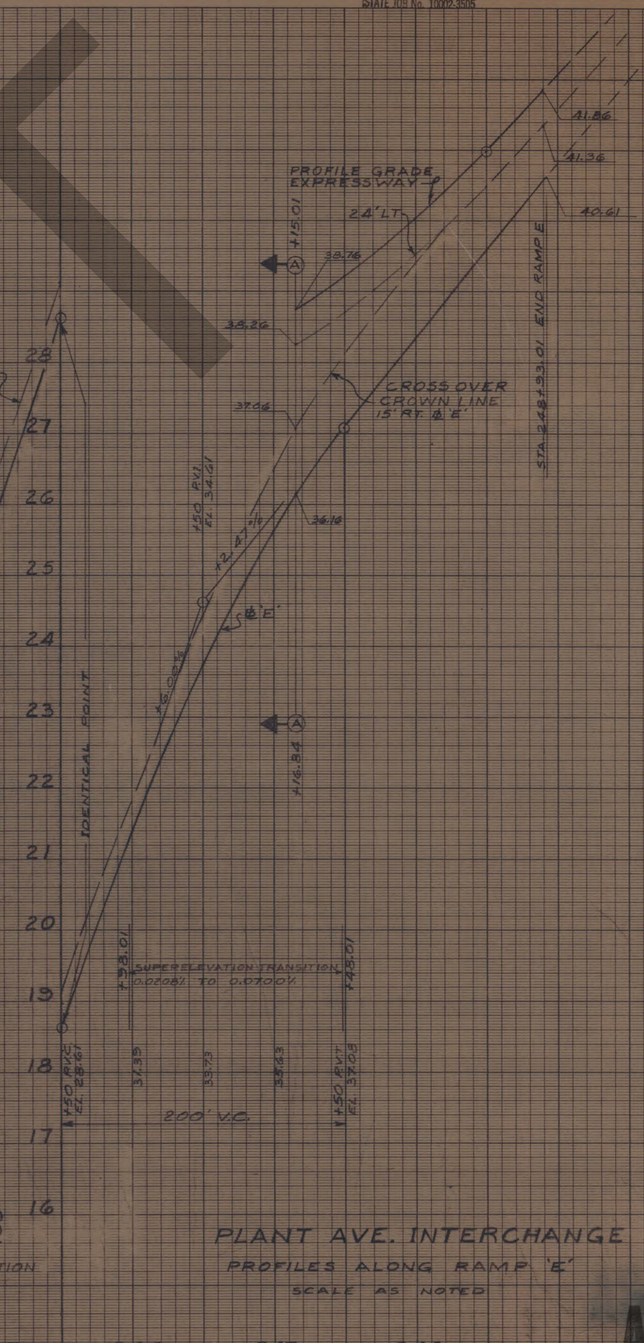
SCALE ~ 1" = 10' HOR. 1" = 1' VERT.



RT. GUTTER LINE PROFILE

SCALE ~ 1" = 10' HOR. 1" = 1' VERT.





PLANT AVE. INTERCHANGE

PROFILES ALONG RAMP 'E'

SCALE AS NOTED

AS BUILT

NOV 26 1975

Application No.
Route No.
Original Plotted by
" Checked by
Template by
Area by
Finals Plotted by
" Checked by
Area by
" Checked by

K&E CO. ORLANDO, FLA. ORDER STOCK # 1994

Contract No. 5

84/1

CROSS SECTIONS

Scale 1 inch = 5 feet

Fed. Road Divn. No.	State	County	Route	Proj. No.	Sheet No.
3	Fla.	HILLSBOROUGH	449	3505	40

STATE JOB No. 10002-3505



PLANT AVE. INTERCHANGE

PROFILES ALONG RAMP 'F'

SCALE AS NOTED

AS BUILT

NOV 26 1975

Contract No. 5

84/1

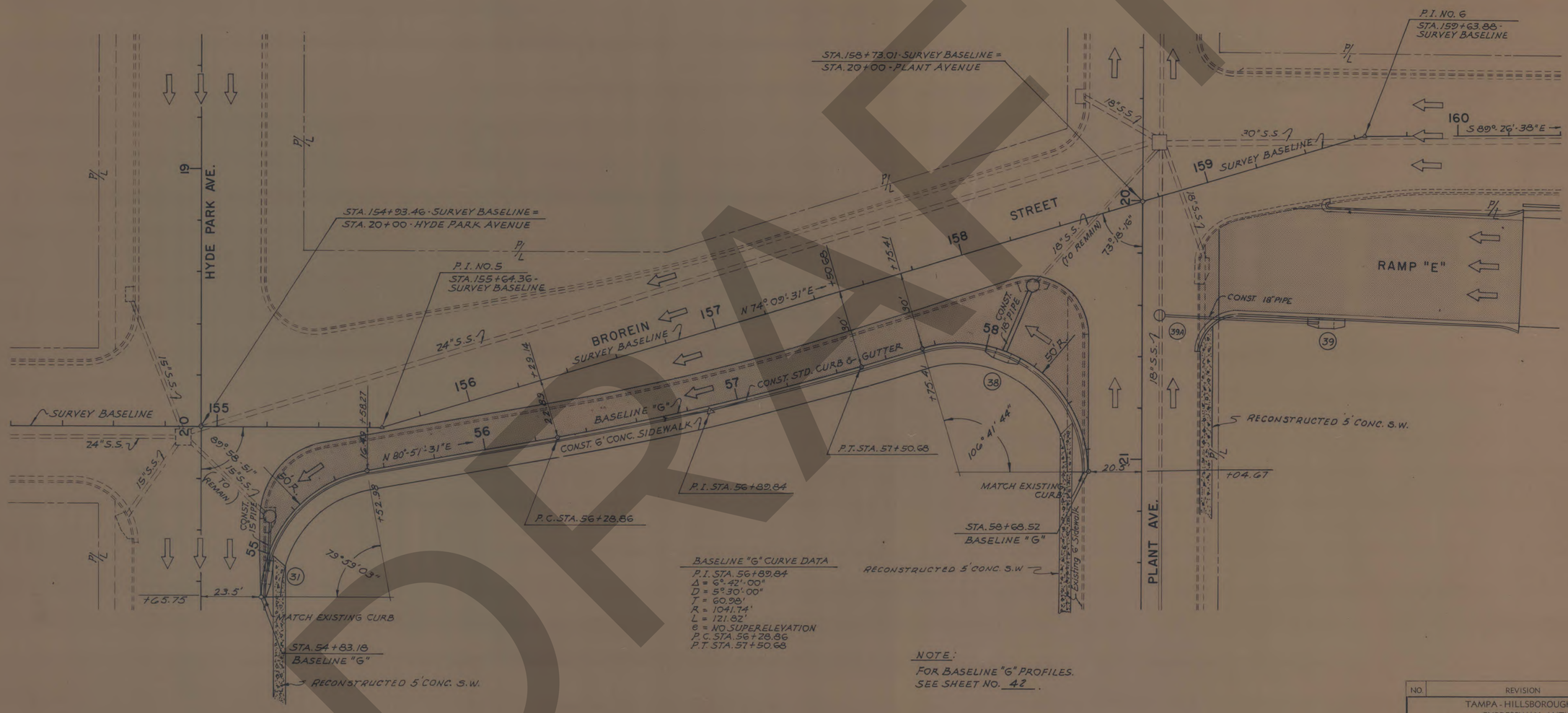
Application No.
Route No.
Original Plotted by
" Checked by
Template by
Area by
Finals Plotted by
" Checked by
Area by
" Checked by

K&E CO. ORLANDO, FLA. ORDER STOCK # 1604

SECTION	CONTRACT	SOUTH CROSSTOWN EXPRESSWAY	SHEET NO.
10002	3505		41
By: WACO	TAMPA-HILLSBOROUGH COUNTY EXPRESSWAY AUTHORITY		Date: 1974

STATE JOB NO. 10002-3505

SCALE 1"=20'



BASELINE "G" CURVE DATA
P.I. STA. 56+89.84
Δ = 6° 42' 00"
D = 5° 30' 00"
T = 60.98'
R = 1041.74'
L = 121.82'
e = NO SUPERELEVATION
P.C. STA. 56+28.86
P.T. STA. 57+50.68

NOTE:
FOR BASELINE "G" PROFILES, SEE SHEET NO. 42.

AS BUILT
NOV 26 1975

NO.	REVISION	BY	DATE

TAMPA - HILLSBOROUGH COUNTY EXPRESSWAY AUTHORITY

SOUTH CROSSTOWN EXPRESSWAY

BROREIN STREET WIDENING DETAILS

J. E. GREINER COMPANY — WATSON & COMPANY
CONSULTING ENGINEERS TAMPA, FLORIDA

MADE J.H. DATE 1972 | TRACED H.L. DATE 1972
CHECKED J.N.C. DATE 1973 | SCALE 1"=20'

84
1

Contract No. 5

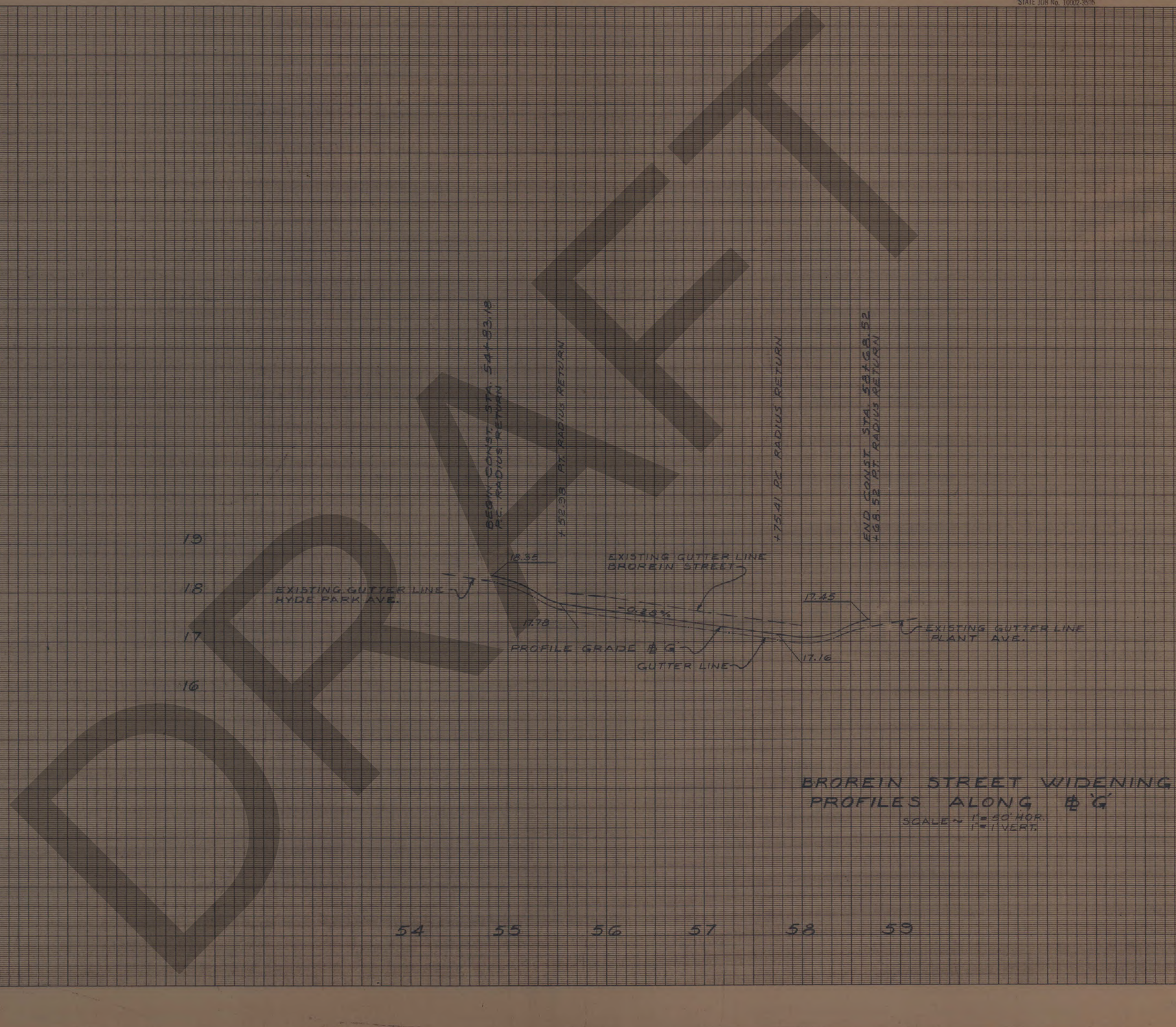
DRAFT

CROSS SECTIONS

Scale 1 inch = 5 feet

Fed. Road Serv. No.	State	County	Route	Proj. No.	Sheet No.
3	Fla.	HILLSBOROUGH	449	3505	42

STATE JOB No. 10002-3505



BROREIN STREET WIDENING
PROFILES ALONG ℄ G

SCALE ~ 1"=50' HOR.
1"=1' VERT.

AS BUILT
NOV 8 0 1975

Application No. _____
Route No. _____
Original Plotted by _____
" Checked by _____
Template by _____
Area by _____
Finals Plotted by _____
" Checked by _____
Area by _____
" Checked by _____

A. R. COGSWELL
JACKSONVILLE, FLA.

Contract No. 5

84
1

CROSS SECTIONS

Scale 1 inch = 6 feet

Fed. Road Dem. No.	State	County	Route	Proj. No.	Sheet No.
3	Fla.	HILLSBOROUGH	3505	449	43

STATE JOB No. 10002.3505



Application No. _____
Route No. _____
Original Plotted by _____
" Checked by _____
Template by _____
Area by _____
Finals Plotted by _____
" Checked by _____
Area by _____
" Checked by _____

A. R. COGSWELL
JACKSONVILLE, FLA.

Contract No. 5

84
1

CROSS SECTIONS

Scale 1 inch = 50feet HORZ.
1 inch = 1 feet VERT.

Fed. Road Divn. No.	State	County	Route	Proj. No.	Sheet No.
3	Fla.	HILLSBOROUGH	449	3505	44



DRAFT

AS BUILT

AS BUILT

CARDY STREET PROFILES

NOV 26 1975

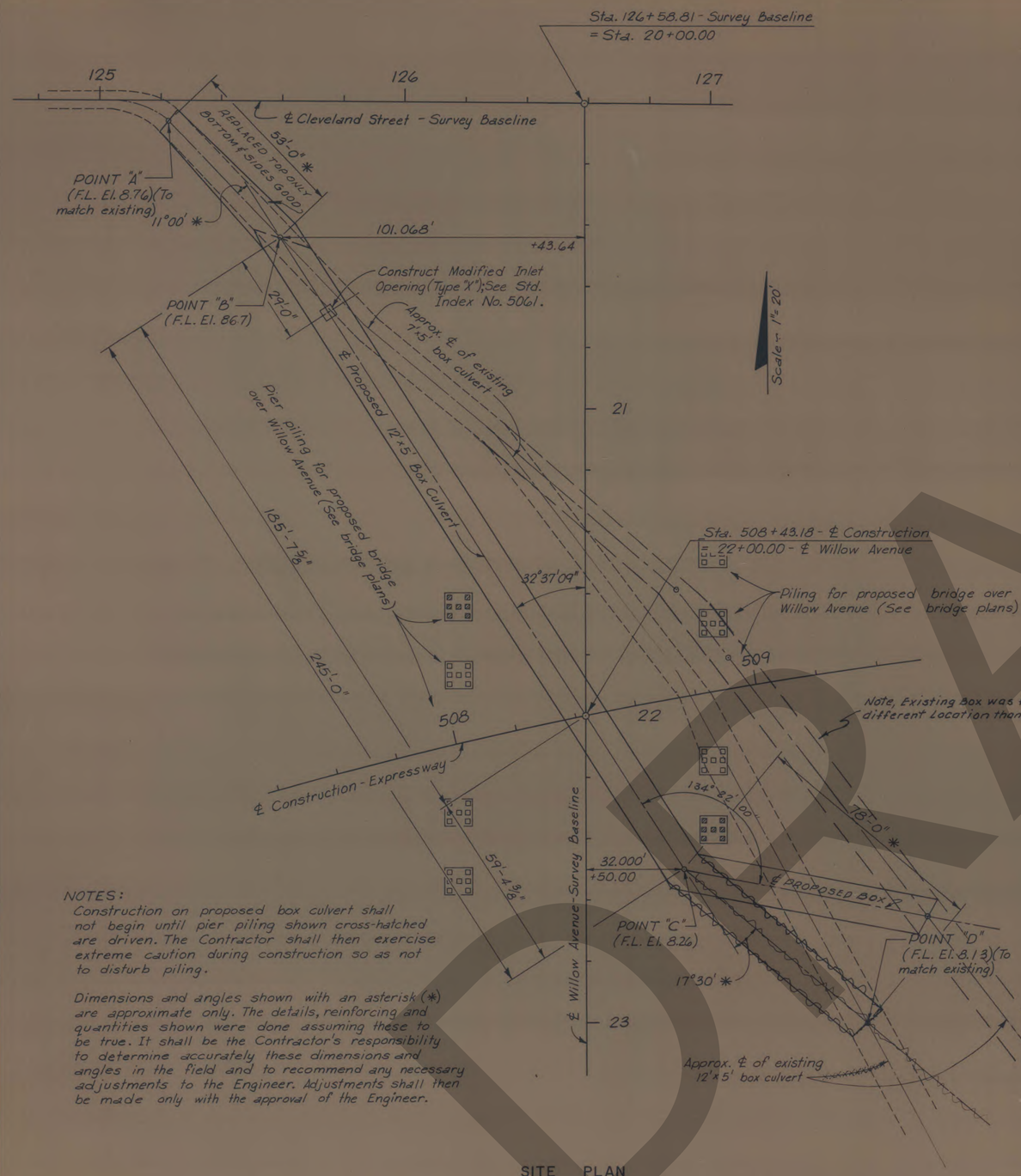
Application No.
Route No.
Original Platted by
" Checked by
Template by
Area by
Finals Platted by
" Checked by
Area by
" Checked by

K&E CO. ORLANDO, FLA. ORDER STOCK @ 1904

Contract No. 5

84/1

SECTION	CONTRACT	SOUTH CROSSTOWN EXPRESSWAY	SHEET NO.
10002	3505		BC-1
By: WACO	TAMPA-HILLSBOROUGH COUNTY EXPRESSWAY AUTHORITY		Date: 1972



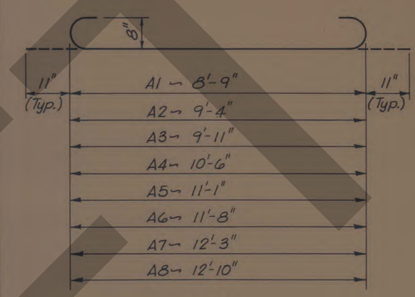
SITE PLAN

NOTES:

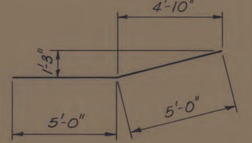
Construction on proposed box culvert shall not begin until pier piling shown cross-hatched are driven. The Contractor shall then exercise extreme caution during construction so as not to disturb piling.

Dimensions and angles shown with an asterisk (*) are approximate only. The details, reinforcing and quantities shown were done assuming these to be true. It shall be the Contractor's responsibility to determine accurately these dimensions and angles in the field and to recommend any necessary adjustments to the Engineer. Adjustments shall then be made only with the approval of the Engineer.

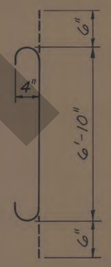
BENDING DIAGRAM



A BARS



D BARS



B BARS

NOTE: All bar dimensions are out-to-out.

BILL OF REINFORCING STEEL

MARK	SIZE	NO. REQ'D	LENGTH	BENDING
A1	8	18	10'-7"	See Diagram
A2	8	18	11'-2"	"
A3	8	18	11'-9"	"
A4	8	18	12'-4"	"
A5	8	18	12'-11"	"
A6	8	18	13'-6"	"
A7	8	18	14'-1"	"
A8	8	784	14'-8"	"
B	4	910	7'-10"	See Diagram
C1	5	380	24'-11"	Straight
C2	5	190	25'-10"	"
D	5	76	10'-0"	See Diagram
E	6	64	2'-3"	Straight
		OR AS NEEDED		

ESTIMATED QUANTITIES

ITEM	UNIT	QUANTITIES
Class II Concrete	Cu. Yd.	~~485~~
Reinforcing Steel	Lb.	~~55,616~~
Removal of Existing Structures	Lump Sum	1
		415.28
		46,602

GENERAL NOTES

SPECIFICATIONS:

FLORIDA DEPT. OF TRANSPORTATION STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, dated 1973, and special provisions.

DESIGN:

Designed in accordance with the 1969 edition of the A.A.S.H.O. STANDARD SPECIFICATIONS FOR HIGHWAY BRIDGES with approved revisions.

LOADING:

HS20-44.

MATERIAL STRESSES:

Class II Concrete — f'_c = 3,400 psi ; f_c = 1,360 psi
Reinforcing Steel — f_y = 40,000 psi (min.) ; f_s = 20,000 psi

CHAMFER:

All edges and corners to be chamfered 3/4" unless otherwise noted.

REMOVAL OF EXISTING STRUCTURE:

The existing box culvert shall be removed completely within the limits of construction of the proposed box culvert and the piling for the proposed bridge. In other areas the Contractor shall either completely remove the existing box, or he may elect to destroy the top slab, allowing it to fall into the box, and then fill and compact in a manner to be approved by the Engineer.

GROUT:

The cost of non-shrink grout shall be included in the unit price bid for Class II Concrete.

DRAFT

AS BUILT
NOV 26 1975

NO.	REVISION	BY	DATE

TAMPA-HILLSBOROUGH COUNTY EXPRESSWAY AUTHORITY

SOUTH CROSSTOWN EXPRESSWAY

12'X5' BOX CULVERT

AT STA. 508 + 43.18

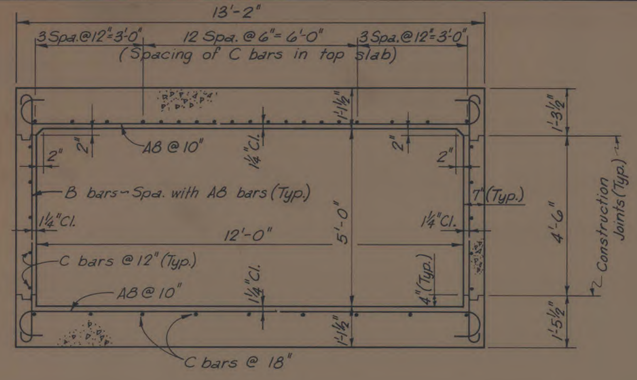
J. E. GREINER COMPANY — WATSON & COMPANY
CONSULTING ENGINEERS TAMPA, FLORIDA

MADE HoM DATE Nov., '72 | TRACED HoM DATE Nov. '72
CHECKED J L H DATE 2 '73 | SCALE —

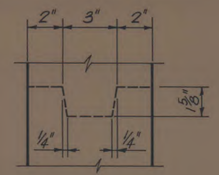
84
1

Contract No. 5

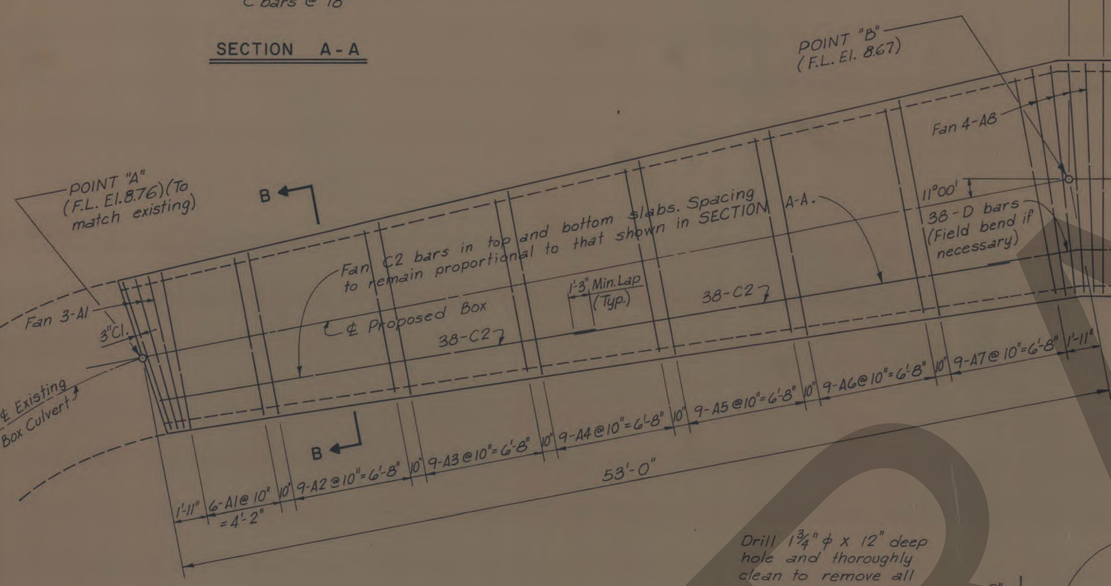
SECTION	CONTRACT	SOUTH CROSSTOWN EXPRESSWAY	SHEET NO.
10002	3505		BC-2
By: WACO		TAMPA-HILLSBOROUGH COUNTY EXPRESSWAY AUTHORITY	Date: 1972



SECTION A-A



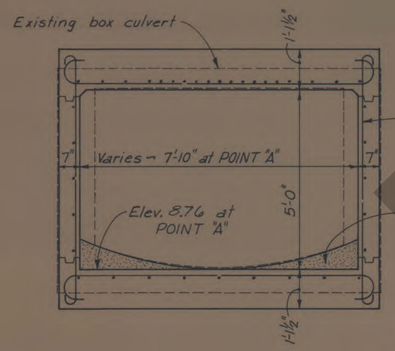
KEY DETAIL



PLAN

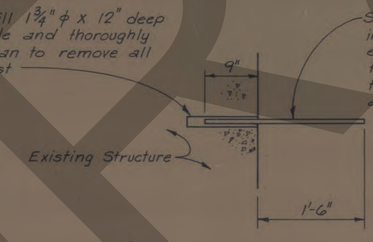
Use non-shrink grout to match bottom slab of existing box culvert. (Similar to details shown in SECTION B-B). Feather out in 20'-0".

NOTE:
Placement for bars A1 thru A8 shown in PLAN is typical for both top and bottom slabs.



NOTE:
For additional details see SECTION A-A and PLAN.

SECTION B-B



DOWEL DETAIL

Dowel bars E shall be set in existing top and bottom slabs and in each sidewall at a spacing of not more than 12 inches. At least 28 dowels will be required at POINT "A" and at least 36 required at POINT "D".

AS BUILT
NOV 26 1975

NO	REVISION	BY	DATE

TAMPA-HILLSBOROUGH COUNTY EXPRESSWAY AUTHORITY

SOUTH CROSSTOWN EXPRESSWAY

12'X5' BOX CULVERT

AT STA. 508 + 43.18

J. E. GREINER COMPANY — WATSON & COMPANY
CONSULTING ENGINEERS — TAMPA, FLORIDA

MADE HoM DATE Nov. '72 | TRACED HoM DATE Nov. '72
CHECKED J.L.H. DATE APRIL '73 | SCALE —

84
1

Contract No. 5

DRAFT

SECTION	CONTRACT	SOUTH CROSSTOWN EXPRESSWAY	SHEET NO.
10002	3505		T-1
By WACO		TAMPA-HILLSBOROUGH COUNTY EXPRESSWAY AUTHORITY	Date 1974

STATE OF FLORIDA SANITARY SEWER QUANTITIES

TAMPA - HILLSBOROUGH COUNTY EXPRESSWAY AUTHORITY

—PLANS OF PROPOSED—

SOUTH CROSSTOWN EXPRESSWAY

STATE JOB NO. 10002-3505

HILLSBOROUGH COUNTY TAMPA, FLORIDA

STATE ROAD NO. 449

TRAFFIC SIGNALS



SHEET NO.	INDEX OF SHEETS
T-1	KEY SHEET
T-2	BILL OF MATERIALS & SUMMARY OF QUANTITIES.
T-3	GENERAL NOTES.
T-4	CONVENTIONAL SIGNAL SYMBOLS.
T-5 - T-7	INSTALLATION DETAILS.
T-8	POLE SCHEDULE.
T-9 - T-10	SIGNALIZATION PLAN.
T-11	INDEX NO. 9821 - PRESTRESSED CONCRETE POLES.
T-12	STEEL STRAIN POLE DETAIL.

GENERAL SPECIFICATIONS

FLORIDA DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION - 1973 OR AS MODIFIED BY THE CONTRACT SPECIAL PROVISIONS.

REVISIONS

SHEETS T-2, T-8, T-9 & T-10 (REVISED 4-7-74)



LOCATION MAP

DRAFT

AS BUILT

NOV 26 1975

APPROVAL RECOMMENDED _____

BY _____

APPROVED _____

BY _____ CHAIRMAN

TAMPA-HILLSBOROUGH COUNTY EXPRESSWAY AUTHORITY

CONTRACT NO. 5

WILLOW AVENUE TO BAYSHORE BOULEVARD

AS BUILT

APPROVED _____ DATE _____

Contract No. 5

84

SECTION	CONTRACT	SOUTH CROSSTOWN EXPRESSWAY	SHEET NO.
10002	3505		T-2
By: WACO	TAMPA-HILLSBOROUGH COUNTY EXPRESSWAY AUTHORITY		Date: 1974

BILL OF MATERIALS

ITEM	DESCRIPTION	UNIT	QUANTITY LOCATION 1	LOCATION 2	LOCATION 3	TOTAL
1	CONTROLLER: 3 PHASE, FULLY ACTUATED, SOLID STATE MODULAR DESIGN TO BE HOUSED IN ~~POLE~~ PAD MOUNTED CABINET	EACH			1	1
2	CONTROLLER: 2 PHASE, FULLY ACTUATED, SOLID STATE MODULAR DESIGN TO BE HOUSED IN POLE MOUNTED CABINET	EACH		1		1
3	CONTROLLER: 4 PHASE, FULLY ACTUATED, SOLID STATE MODULAR DESIGN TO BE HOUSED IN ~~POLE~~ PAD MOUNTED CABINET	EACH	1			1
4	DETECTOR ASSEMBLY: (VEHICLE) LOOP TYPE	EACH	4	2	3	9
5	DETECTOR ASSEMBLY: (PEDESTRIAN) PUSH BUTTON	EACH	2	4	2	8
6	SIGNAL ASSEMBLY: 3 SECTION 1-WAY WITH 12" LENSES (RED, YELLOW, GREEN)	EACH	7	4	4	15
6A	SIGNAL ASSEMBLY: 3 SECTION 1-WAY WITH 12" LENSES (RED, YELLOW, GREEN) OPTICALLY PROGRAMED	EACH	1	-	-	1
7	SIGNAL ASSEMBLY: 3 SECTION 1-WAY WITH 12" LENSES (RED, YELLOW, GREEN ARROW)	EACH	-	2	3	5
7A	SIGNAL ASSEMBLY: 3 SECTION 1-WAY WITH 12" LENSES (RED, YELLOW, GREEN ARROW) OPTICALLY PROGRAMED	EACH	1	-	1	2
8	SIGNAL ASSEMBLY: 4 SECTION 1-WAY WITH 12" LENSES (RED, YELLOW, GREEN, GREEN ARROW)	EACH	2	-	-	2
9	SIGNAL ASSEMBLY: 4 SECTION 1-WAY WITH 12" LENSES (RED, YELLOW, GREEN ARROW, GREEN ARROW) OPTICALLY PROGRAMED	EACH	-	-	1	1
10	SIGNAL ASSEMBLY: PEDESTRIAN 1-WAY	EACH	2	8	6	16
11	POLES: PRESTRESSED CONCRETE, TYPE II	EACH	2	2 ~~3~~	3	8
12	POLES: PRESTRESSED CONCRETE, TYPE III	EACH	1	-	-	1
13	PEDESTAL: CONCRETE TYPE II-12'	EACH	1	1	1 ~~2~~	4
◆ 14	CONDUIT	LIN.FT.	*	*	*	*
◆ 15	DETECTOR LOOP WIRE: NO. 12 AWG.-UF STRANDED COPPER	LIN.FT.	*	*	*	*
◆ 16	MESSENGER WIRE: 1/4" DIA.	LIN.FT.	*	*	*	*
◆ 17	MESSENGER WIRE: 3/8" DIA.	LIN.FT.	*	*	*	*
◆ 18	CABLE: SOLID COPPER CONDUCTOR	LIN.FT.	*	*	*	*
◆ 19	SIGNAL LAMPS: 150 WATTS CLEAR 125 VOLTS MIN.	EACH	26	18	21	65
◆ 20	PULL BOXES: METER TYPE-CONCRETE	EACH	1	1	2	4
◆ 21	INTERCONNECT CABLE	LIN.FT.		*	*	*
◆ 22	GROUND RODS	EACH	3	3	3	9
	REMOVAL OF EXISTING SIGNAL EQUIPMENT	L.S.		1	1	1
	STEEL STRAIN POLE (ALTERNATE TO CONCRETE POLES)	EACH	3	3	3	9

* TO BE FIGURED FROM PLANS AND JOB SITE BY CONTRACTOR AND SHALL BE SUFFICIENT QUANTITY FOR COMPLETE INSTALLATION. COST SHALL BE INCLUDED IN BID ITEM NO. G75-47 OF THE SUMMARY OF QUANTITIES.

◆ SEE NOTE UNDER SUMMARY OF QUANTITIES

SUMMARY OF QUANTITIES

ITEM NO.	ITEM	UNIT	QUANTITY
G75-32-2	CONTROLLER (TWO PHASE) [FULLY ACTUATED, SOLID STATE MODULAR DESIGN, HOUSED IN POLE MOUNTED CABINET]	EACH	1
G75-32-3	CONTROLLER (THREE PHASE) [FULLY ACTUATED, SOLID STATE MODULAR DESIGN, HOUSED IN ~~POLE~~ PAD MOUNTED CABINET]	EACH	1
G75-32-4	CONTROLLER (FOUR PHASE) [FULLY ACTUATED, SOLID STATE MODULAR DESIGN, HOUSED IN ~~POLE~~ PAD MOUNTED CABINET]	EACH	1
G75-33A	DETECTOR [VEHICLE, LOOP TYPE]	EACH	9
G75-33B	DETECTOR [PEDESTRIAN, PUSH BUTTON]	EACH	8
G75-37A	TRAFFIC SIGNAL ASSEMBLY [3 SECTION 1-WAY WITH 12" LENSES]	EACH	20
G75-37B	TRAFFIC SIGNAL ASSEMBLY [3 SECTION 1-WAY WITH 12" LENSES OPTICALLY PROGRAMED]	EACH	3
G75-37C	TRAFFIC SIGNAL ASSEMBLY [4 SECTION 1-WAY WITH 12" LENSES]	EACH	2
G75-37D	TRAFFIC SIGNAL ASSEMBLY [4 SECTION 1-WAY WITH 12" LENSES OPTICALLY PROGRAMED]	EACH	1
G75-39	PEDESTRIAN TRAFFIC SIGNAL ASSEMBLY	EACH	16
G75-40-2	CONCRETE STRAIN POLES (TYPE II)	LIN.FT.	~~286~~ 251
G75-40-3	CONCRETE STRAIN POLES (TYPE III)	LIN.FT.	38
G75-42	CONCRETE PEDESTAL [TYPE II]	LIN.FT.	~~48~~ 36
G75-47	ACCESSORY MATERIAL	LUMP SUM	1
G75-48	PULL BOXES [METER TYPE-CONCRETE]	EACH	4
G75-54A	STEEL STRAIN POLES [28' LENGTH]	EACH	5
G75-54B	STEEL STRAIN POLES [30' LENGTH]	EACH	3
G75-54C	STEEL STRAIN POLES [32' LENGTH]	EACH	1
G75-G3	REMOVE EXISTING EQUIPMENT	LUMP SUM	1

ALTERNATES

NOTE: ◆ ITEMS LISTED IN BILL OF MATERIALS SHALL BE INCLUDED IN THE COST OF CONTRACT BID ITEM NO. G75-47

DRAFT

AS BUILT
NOV 26 1975

ITEM G75-42 QUANTITY CHANGED FROM 36 TO 48
ITEM G75-39 QUANTITY CHANGED FROM 9 TO 16

NO.	REVISION	BY	DATE

TAMPA-HILLSBOROUGH COUNTY EXPRESSWAY AUTHORITY

SOUTH CROSSTOWN EXPRESSWAY

BILL OF MATERIALS AND SUMMARY OF QUANTITIES

J. E. GREINER COMPANY — WATSON & COMPANY
CONSULTING ENGINEERS TAMPA, FLORIDA

MADE JNC DATE 1974 | TRACED R.B. DATE 1974
CHECKED MF DATE 1974 | SCALE -

64/1

Contract No. 5

SECTION	CONTRACT	SOUTH CROSSTOWN EXPRESSWAY	SHEET NO
10002	3505		T-3
By WACO		TAMPA-HILLSBOROUGH COUNTY EXPRESSWAY AUTHORITY	Date 11-73

GENERAL NOTES

GENERAL

G-1 NO CHANGES SHALL BE MADE IN THE SIGNALIZATION PLANS WITHOUT THE APPROVAL OF THE RESIDENT ENGINEER.

G-2 THE CONTRACTOR SHALL BE RESPONSIBLE FOR SUBMITTING TO THE PROJECT ENGINEER TWO (2) COPIES OF SUBMITTAL DATA FOR EACH ITEM OF PROPOSED EQUIPMENT TO BE USED AND SHALL HAVE APPROVAL OF SUBMITTAL DATA PRIOR TO THE INSTALLATION.

G-3 ALL EQUIPMENT MUST MEET AND BE INSTALLED IN ACCORDANCE WITH THE D.O.T. PUBLICATION "STANDARD SPECIFICATIONS FOR TRAFFIC SIGNALS AND AUXILIARY EQUIPMENT" REVISED.

G-4 THE CONTRACTOR SHALL REQUIRE THE CONTROLLER MANUFACTURER OR SUPPLIER TO FORWARD THE MAKE, MODEL AND SERIAL NUMBERS OF EACH CONTROLLER, REFERENCED BY JOB NUMBER AND LOCATION NUMBER AS SHOWN ON THE SIGNAL PLANS TO THE RESIDENT ENGINEER.

G-5 THE CONTRACTOR SHALL BE RESPONSIBLE FOR SPECIFYING THE SIZE AND NUMBER OF CONDUCTOR RUNS (PLUS 4 SPARES) AND CONDUIT REQUIRED TO COMPLETELY AND SATISFACTORILY WIRE THE SIGNAL SYSTEM AS OUTLINED AND SHOWN ON THE PLANS. IN ALL INSTANCES, THE "STANDARD SPECIFICATIONS FOR TRAFFIC CONTROL SIGNALS AND AUXILIARY EQUIPMENT" TOGETHER WITH THE LATEST METHODS OF THE NATIONAL ELECTRICAL CODE SHALL BE STRICTLY ADHERED TO. ANY DEVIATIONS OR EXCEPTIONS TO THE ABOVE MUST BE SUBMITTED IN WRITING TO THE RESIDENT ENGINEER FOR HIS REVIEW AND SUBSEQUENT DECISION.

G-6 THE CONTRACTOR SHALL BE RESPONSIBLE FOR INSTALLING THE SERVICE GROUND TO HAVE A RESISTANCE TO GROUND NOT TO EXCEED 25 OHMS AS MEASURED WITH A GROUND "MEGGER".

G-7 THE CONTRACTOR SHALL BE RESPONSIBLE FOR SUBMITTING TO THE RESIDENT ENGINEER TWO (2) COPIES OF A SCHEMATIC SHOWING THE CONDUCTOR RUNS, THE POINTS OF CHANGES AND THE NUMBER OF CONDUCTORS REQUIRED AT EACH POINT.

CONTROLLER

C-1 THE OUTSIDE DOOR AND AUXILIARY DOOR OF ALL CONTROLLER CABINETS TO BE EQUIPPED WITH DIFFERENT CYLINDER LOCKS, TWO KEYS TO EACH LOCK.

C-2 IN ALL CABINETS CONTAINING ACTUATED CONTROLLERS, THERE MUST BE INSTALLED ONE (1) ADDITIONAL SIX (6) TERMINALS STRIP FOR THE ACCOMMODATION OF LOOP TYPE DETECTOR LEADS.

C-3 THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONSTRUCTING THE PROPER SIZE FOUNDATION, ACCORDING TO MANUFACTURER'S SPECIFICATIONS, FOR BASE MOUNTED CONTROLLER CABINETS.

C-4 THE CONTROLLER CABINETS SHALL BE OF THE FOLLOWING LISTED MINIMUM OUTSIDE DIMENSIONS. POLE MOUNTED: HEIGHT 31" INCHES, WIDTH, 19½ INCHES DEPTH 13" INCHES BASE MOUNTED, HEIGHT, 47 INCHES, WIDTH, 28 INCHES, DEPTH, 15 INCHES. THE EQUIPMENT, PROPOSED AND FUTURE, SHALL NOT OCCUPY MORE THAN 70% OF THE CABINET CAPACITY.

C-5 THE CONTROLLER BID SHALL HAVE BUILT-IN NON-LOCKING DETECTION CAPABILITIES OR SHALL HAVE INCLUDED IN THE BID A TIME DELAY RELAY TO EFFECT A TIME DELAY FOR OPENING AND CLOSING A CIRCUIT WITHIN A SPECIFIED TIME LIMIT. THE TIME DELAY SHALL BE ADJUSTABLE FROM 2 TO 60 SECONDS. THE RELAY SHALL BE INSERTED ONLY INTO THE CIRCUIT BETWEEN THE CONTROLLER AND THE DETECTOR SPECIFIED.

C-6 ALL SOLID STATE CONTROLLERS ARE REQUIRED TO HAVE AN ADEQUATE NUMBER OF EXTERNAL JACK MOUNTED, HEAVY DUTY TYPE, SIGNAL LIGHT LOAD SWITCHES WITH SUB-BASE TO CARRY THE AMPERAGE FOR THE MAXIMUM NUMBER OF 150 WATT BULBS THAT SHALL BE DISPLAYED AT ANY ONE INTERVAL.

C-7 ALL CONTROLLLERS THAT DO NOT HAVE A BUILT-IN FEATURE TO ELIMINATE CONFLICTING SIGNAL INDICATIONS SHALL HAVE A SOLID STATE DEVICE (WITH A VARIABLE TIME DELAY FEATURE WHICH PREVENTS ERRONEOUS REACTIONS) TO MONITOR THE SIGNAL INDICATIONS AT THE POINT WHERE THE LOAD SWITCHES FEED THE SIGNAL CABLE SO THERE WILL BE NO CONFLICTING SIGNAL INDICATIONS DISPLAYED. IF THIS CONDITION EXISTS, THE UNIT WILL TRANSFER THE SIGNAL TO AN ALL RED INDICATION, PROCEEDED BY A FLASHING OPERATION DISPLAYING A YELLOW FLASHING SIGNAL TO THE ARTERY AND RED FLASHING SIGNAL TO THE SIDE STREET OR STREETS. THE FLASHING CONDITION WILL REMAIN UNTIL THE SYSTEM IS RESET MANUALLY.

C-8 CONTROLLERS SPECIFIED TO OPERATE AS MULTI-PHASE WILL BE COMPLETELY SOLID STATE WITH NO ELECTRO-MECHANICAL RELAYS OR OTHER MOVING PARTS. SOLID STATE PHASE TIMING MODULES SHALL BE INTERCHANGEABLE BETWEEN DIFFERENT CONTROLLERS OF THE SAME MANUFACTURER. EACH MODULE PROVIDES ALL FUNCTIONS FOR A SINGLE TRAFFIC MOVEMENT OF PHASE. EACH CONTROLLER SHALL BE FURNISHED WITH THE APPROPRIATE INTERVAL SEQUENCE UNIT, PHASE SEQUENCE UNIT, CONNECTING CABLE, SWITCHING RELAYS, SOLID STATE FLASHER, SPECIAL SEQUENCE RELAYS AS REQUIRED, VEHICLE DETECTOR RELAYS AND MISCELLANEOUS HARDWARE AND EQUIPMENT. ALL TIMING INTERVALS SHALL BE SELECTABLE OVER THE ENTIRE TIMING RANGE, WITHOUT THE USE OF MULTIPLICATION SWITCHES.

C-9 WHEN SPECIFIED, MULTI-PURPOSE CONTROLLERS PROVIDING FOR ADDITIONAL PHASE CAPACITY BY THE ADDITION OF MODULAR UNITS SHALL DO SO WITHOUT THERE BEING ANY ADDITIONAL WIRING OR CHANGE IN WIRING TO THE CONTROLLER AND/OR FRAME. ALL MOUNTING FRAMES SHALL BE CAPABLE OF ACCEPTING ADDITIONAL FUNCTIONAL OR PHASE MODULES REGARDLESS OF THEIR FUNCTIONAL CHARACTERISTICS. ALL CABINET WIRING REQUIRED FOR FUTURE OPERATION AS SHOWN ON THE OPERATION PLAN SHALL BE INCLUDED SO THAT ALL ACCESSORY UNITS MAY BE ADDED BY JACK MOUNTING OR PLUGGING UNITS. SUFFICIENT NUMBER OF CONDUCTORS SHALL BE FURNISHED TO WIRE FUTURE SIGNAL HEADS AS SHOWN ON THE PLANS, FROM THE CONTROLLER TO THE FIRST DISCONNECT HANGER.

C-10 THE CONTRACTOR MAY BE REQUIRED TO PROVIDE, INSTALL, AND OPERATE ALL PHASE MODULES (PROPOSED AND FUTURE) AS OUTLINED BY THE SIGNAL OPERATION PLAN, AT THE END OF THE OPERATION CHECK BY THE ENGINEER, THE CONTRACTOR SHALL REMOVE ALL FUTURE PHASE MODULES AND INSTALL COVER PLATES.

DETECTOR

D-1 THE CONTRACTORS SHALL BE RESPONSIBLE FOR INSTALLING THE CORRECT PHASE DETECTOR UNITS REQUIRED FOR SEMI-ACTIVATED CONTROLLERS. WHERE MULTIPLE-PHASE DETECTION IS REQUIRED, AS WITH FULL-ACTUATED MULTI-PHASE CONTROLLERS, THE DETECTORS SHALL BE CAPABLE OF DETECTING EACH AND EVERY SEPARATE MOVEMENT AS SHOWN IN THE SIGNAL OPERATING PLAN.

D-2 THE CONTRACTOR SHALL FURNISH ONE DETECTOR UNIT WITH SUFFICIENT POWER SUPPLIES FOR EACH WIRE LOOP DETECTION TO BE IMBEDDED IN ROADWAY. METHODS FOR TUNING MUST BE EXTERNAL AND EASILY ACCESSIBLE. THERE MUST BE PROVIDED ON THE FRONT OF THE DETECTOR UNIT A VISUAL INDICATOR OR LIGHT TO SHOW WHEN ACTUATIONS ARE BEING RECEIVED. THE DETECTOR UNIT (BY MEANS OF A FRONT PANEL MOUNTED SWITCH) MUST BE CAPABLE OF MOTION DETECTION. PRESENCE DETECTION MUST DETECT VEHICLES ENTERING, STATIONARY IN, LEAVING THE LOOP OR A COMBINATION OF THESE.

D-3 LOOP LOCATION AND SIZE ARE SHOWN ON THE PLANS FOR THE PURPOSE OF GENERAL LOCATION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ESTABLISHING THE CORRECT SIZE LOOPS TO BE PLACED IN ROADWAY AND CORRECT SIZE A.W.G. WIRE AS REQUIRED BY MANUFACTURER'S SPECIFICATIONS IN ORDER TO ASSURE PROPER OPERATION. WHERE LOOP CONDUCTOR IS RUN OVERHEAD SHIELDED WIRE MUST BE USED.

POLES

P-1 THE CONTRACTOR SHALL BE RESPONSIBLE FOR ESTABLISHING THE AMOUNT OF RAKE TO BE USED ON POLES AT THE TIME OF INSTALLATION.

P-2 IN ACCORDANCE WITH GENERAL NOTE NO. G-3, STRAIN INSULATORS ARE HEREWITH DELETED. ALL TRAFFIC SIGNAL POLES SHALL BE GROUNDED IN ACCORDANCE WITH SECTION 715-11 AS SHOWN IN FLORIDA DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION OF 1973. ALL SPAN WIRES MUST BE GROUNDED WITH NO. 6 (MIN.) COPPER WIRE.

P-3 CONCERNING PEDESTRIAN PUSH BUTTON DETECTORS, TYPE VII, PARAGRAPH "C", PAGE 84 OF THE "STANDARD SPECIFICATIONS FOR TRAFFIC CONTROL SIGNALS AND AUXILIARY EQUIPMENT" IS HEREWITH DELETED.

TRAFFIC SIGNAL ASSEMBLY

T-1 ALL TRAFFIC SIGNAL ASSEMBLIES TO BE FURNISHED WITH TWELVE INCH (12") LENSES, STANDARD VISORS, DISCONNECT HANGERS, BULBS (150 WATTS, 125 VOLTS) AND HARDWARE FOR SPAN WIRE MOUNTING UNLESS OTHERWISE SPECIFIED IN THE PLANS.

T-2 THERE SHALL BE PROVIDED BY THE MANUFACTURER OF TRAFFIC SIGNAL HEADS A METHOD OF POSITIVE LOCKING. THE METHOD USED SHALL PREVENT ANY MIS-ALIGNMENT DUE TO STRONG WINDS OR OBJECTS WHICH MAY COME IN CONTACT WITH THE SIGNAL HEAD AT THE POINT OF ENTRANCE INTO ANY SIGNAL HEAD A SURE GASKETING METHOD SHALL BE USED TO PREVENT THE ENTRANCE OF ANY WATER.

T-3 THOSE TRAFFIC SIGNAL ASSEMBLY HEADS SHOWN AS FUTURE, SHALL NOT BE INSTALLED DURING THE CHECKOUT OF THE CONTROLLER.

REMOVAL OR ADJUSTMENT OF EXISTING EQUIPMENT

R-1 THE CONTRACTOR SHALL BE RESPONSIBLE FOR RELOCATING ANY EXISTING TRAFFIC SIGNAL EQUIPMENT OR SIGNAL POLES IF NECESSARY TO ACCOMMODATE THE CONSTRUCTION WORK AND STILL PROVIDE ADEQUATELY SAFE TRAFFIC CONTROL. ALL SUCH RELOCATIONS OR ADJUSTMENTS SHALL HAVE THE APPROVAL OF THE RESIDENT ENGINEER.

R-2 THE CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVAL OF ALL EXISTING TRAFFIC SIGNAL EQUIPMENT (SIGNAL HEADS, POLES, SIGNAL HARDWARE AND CONTROLLER) ON THE PROJECT THAT IS NOT INCORPORATED IN THE NEW INSTALLATION AND DELIVER IT DURING NORMAL WORKING HOURS TO:

CITY OF TAMPA
SIGNAL & SIGN MAINTENANCE SHOP
2300 MARITIME BLVD.
TAMPA, FLORIDA 33605

NOTIFICATION TO UTILITIES AND ARRANGEMENTS FOR SAFEGUARDS

N-1 CHAPTER 8AS-4, REGULATION REQUIRING PROTECTIONS IN CLOSE PROXIMITY OF OVERHEAD HIGH-VOLTAGE POWER LINES. WHEN ANY OPERATIONS ARE TO BE PREFORMED IN CLOSE PROXIMITY (6 FEET) OF ANY POWER LINE, THE PERSON OR PERSONS RESPONSIBLE FOR THE WORK TO BE DONE SHALL PROMPTLY NOTIFY THE UTILITY COMPANIES INVOLVED. THEY SHALL ALSO BE RESPONSIBLE FOR THE COMPLETION OF THE SAFETY MEASURES REQUIRED IN SECTION 4.04 THROUGH 4.07 BEFORE PROCEEDING WITH ANY ACTIVITY WHICH MAY NOT CONFORM TO THE REQUIRED CLEARANCES OR OTHER REQUIREMENTS.

GENERAL AUTHORITY: 440.56(2) FLORIDA STATUTES
LAW IMPLEMENTED: 440.56 FLORIDA STATUTES
HISTORY: AMENDED 4-1-71, 5-1-72

THE FOLLOWING NOTES ARE TO BE DELETED FROM THIS PROJECT

P-3
T-3

AS BUILT

NOV 26 1975

AS BUILT

NO	REVISION	BY	DATE

TAMPA-HILLSBOROUGH COUNTY EXPRESSWAY AUTHORITY
SOUTH CROSSTOWN EXPRESSWAY

J. E. GREINER COMPANY — WATSON & COMPANY
CONSULTING ENGINEERS — TAMPA, FLORIDA

MADE	DATE	TRACED	DATE
CHECKED	DATE	SCALE	

Contract No. 5

84
1

FED. ROAD DIV. NO.	STATE	PROJECT NO.	FISCAL YEAR	SHEET NO.
3	FLA.			T-4

State Job No. 10002-3505

RIGHT-OF-WAY LINE

LIMITED ACCESS LINE

RAILROADS

SIGNAL CABLE OVERHEAD ON MESSENGER WIRE

INTERCONNECT CABLE (AERIAL)

CABLE IN CONDUIT

DETECTOR CABLE - PAVEMENT SAW CUT

LOOP VEHICLE DETECTOR CABINET (POLE MOUNTED)

SIGNAL POLE REQUIRED

SIGNAL POLE IN PLACE

SIGNAL HEAD, SPAN WIRE MOUNTED

SIGNAL HEAD, MAST ARM MOUNTED

PEDESTRIAN SIGNAL HEAD, POLE MOUNTED

PEDESTRIAN SIGNAL HEAD, PEDESTAL MOUNTED

PEDESTRIAN DETECTOR, POLE MOUNTED

PEDESTRIAN DETECTOR, PEDESTAL MOUNTED

VEHICLE DETECTOR, LOOP TYPE - MOTION

VEHICLE DETECTOR, LOOP TYPE - PRESENCE

VEHICLE DETECTOR, PRESSURE SENSITIVE

CONTROLLER, POLE MOUNTED

CONTROLLER, BASE MOUNTED

JUNCTION BOX

PULL BOX

8 ITEM NUMBER

5 SIGNAL FACE NUMBER

R.R. MILE POST (M.P. NO. 0.00)

	EXISTING	PROPOSED
POWER POLE		
TELEPHONE POLE		
COMBINATION POLE		
LIGHT STANDARD		

AS BUILT

NOV 26 1975

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION
TRAFFIC OPERATIONS

CONVENTIONAL SIGNAL SYMBOLS

REVISIONS		ROAD NO.	COUNTY	PROJECT NO.
Dates	Descriptions			

	Names	Dates
Detailed by		
Checked by		
Quantities by		
Checked by		
Traced by		

Recommended For Approval by _____ Engineer of Traffic Operations

APPROVED BY _____ Deputy Design Engineer

Drawing No. _____ Index No. _____

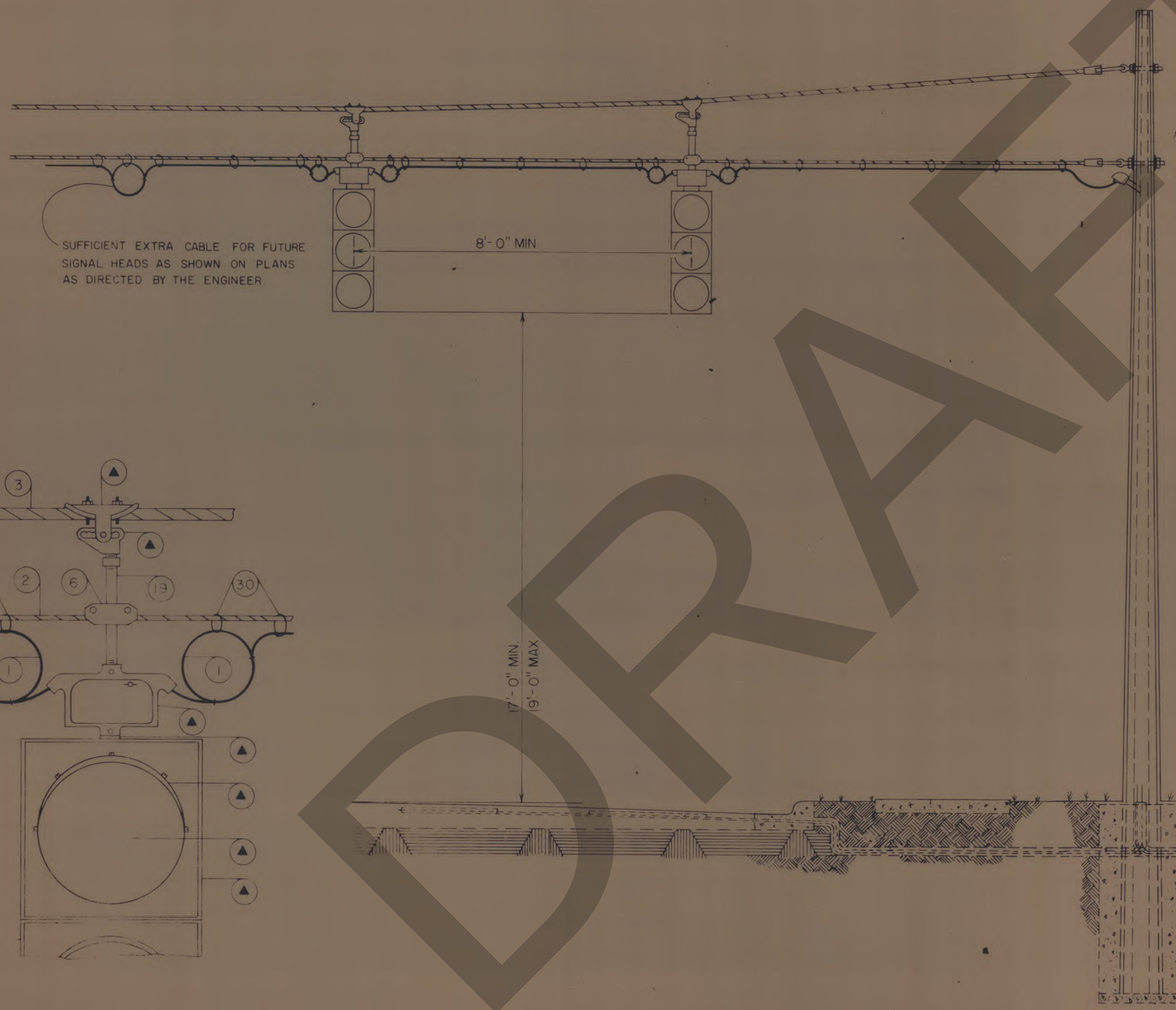
Contract No. 5

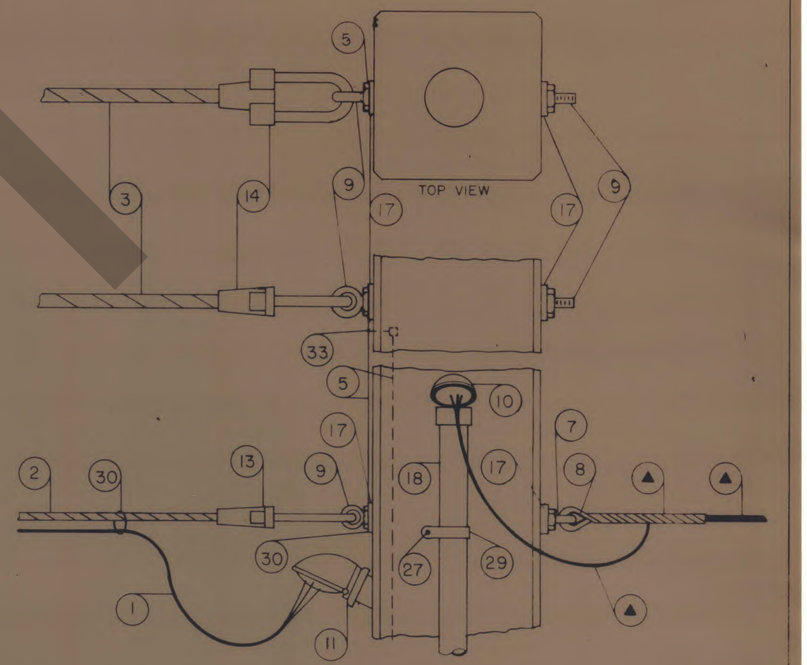
84/1

DRAFT

T-8

PROJECT No.	FISCAL YEAR	SHEET No.
10002-3505		T-5





DRAFT

AS BUILT

NOV 26 1975

FLORIDA DEPARTMENT OF TRANSPORTATION
Traffic Operations

TYPICAL INSTALLATION DETAILS

REVISIONS			INITIALS	DATES
Dates	Descriptions	Detailed by		
		Checked by		
		Quantities by		
		Checked by		
		Supervised by		

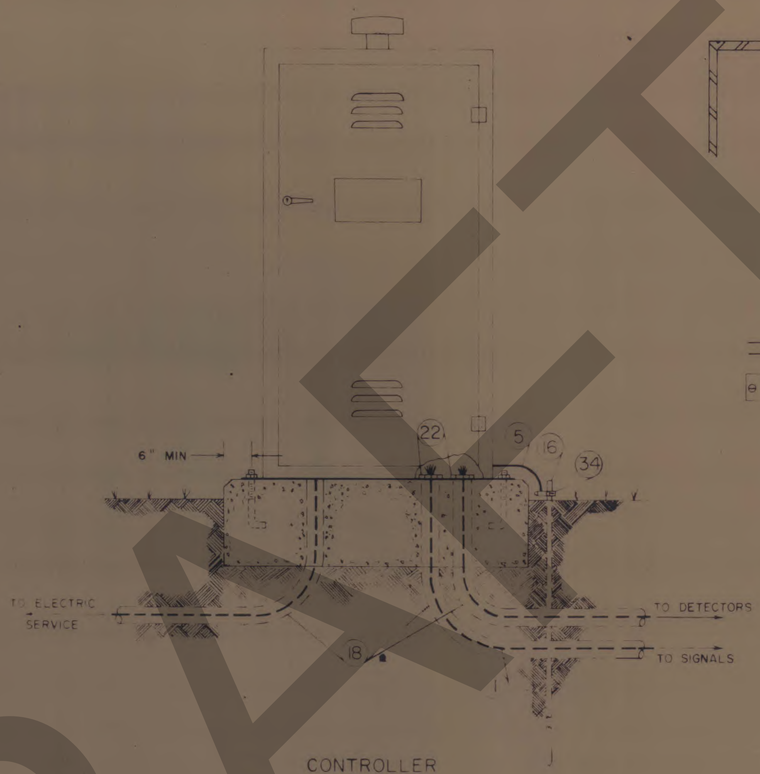
DRAWING NO. 84 INDEX NO. 1

Contract No. 5

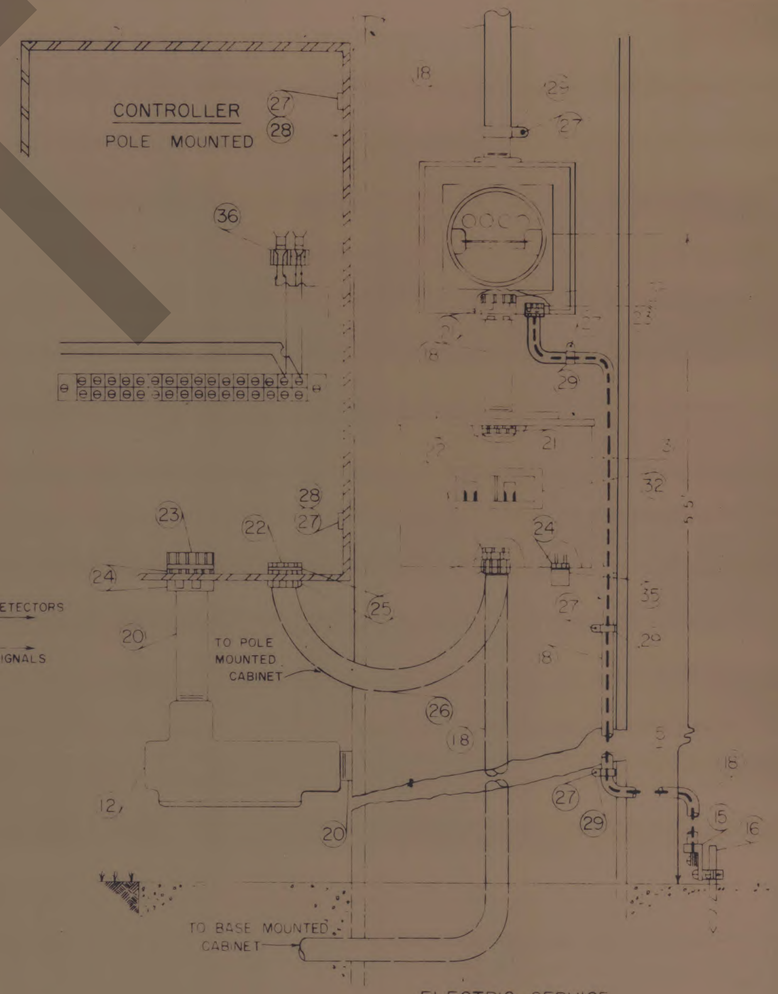
STATE PROJ. NO.	
10002-3505	T-6

ITEM NO	DESCRIPTION
1	CONDUCTOR, TRAFFIC CONTROL CABLE
2	MESSENGER WIRE (1/4")
3	MESSENGER WIRE (3/8")
4	STRANDED "THWN" WIRE (#12 AWG)
5	STRANDED BARE (GROUND)(#4 AWG)
6	O.Z. GROUNDING DEVICE
7	EYELET (5/8")
8	THIMBLE (GALV)(5/8")
9	EYEBOLT WITH TWO NUTS (GALV.)
10	WEATHERHEAD - SERV. ENTR. (GALV)
11	WEATHERHEAD (1 1/4" ENTR. HEAD WITH SLIP FITTER FOR 2" PIPE)
12	UNILET, BODY, COVER, AND GASKET (2")
13	PREFORMED GRIP (1/4")
14	PREFORMED GRIP (3/8")
15	GROUND CLAMP WITH 1/2" HUB (3/4")
16	GROUND ROD (3/4" MIN DIA) COPPER
17	WASHER, GALV. (2"X2"X1/8")(11/16")
18	CONDUIT, RIGID (GALV)
19	IRON PIPE, GALV (1 1/4")
20	NIPPLE, GALV IRON PIPE (2" DIA)
21	HUB (SCRU-TITE)
22	BUSHING, GROUNDING
23	BUSHING (MOLDED, NON-METALLIC)
24	LOCK NUTS (2")
25	CONNECTOR (SEAL-TITE) STRAIGHT
26	FLEXIBLE CONDUIT (METAL, LIQUID TIGHT)
27	CAULKING ANCHOR
28	MACHINE BOLT (5/8"X18) HEX HEAD BOLT, (1 1/2")
29	STRAP, CONDUIT
30	O-RING
31	CIRCUIT BREAKER BOX (EXTERIOR) 70 AMP, 120 VOLTS
32	CIRCUIT BREAKER ~~20~~ 30 AMP (SQUARE "D" TYPE)
33	CONNECTOR, CABLE (SPLIT TYPE OR SQUEEZE-ON)
34	GROUND CLAMP
35	LIGHTNING ARRESTOR
36	GASFILLED SURGE VOLTAGE PROTECTOR, AL-F 90, BUTTON TYPE

▲ INCLUDED IN BILL OF MATERIALS



CONTROLLER
BASE MOUNTED



ELECTRIC SERVICE

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NOV 26 1975

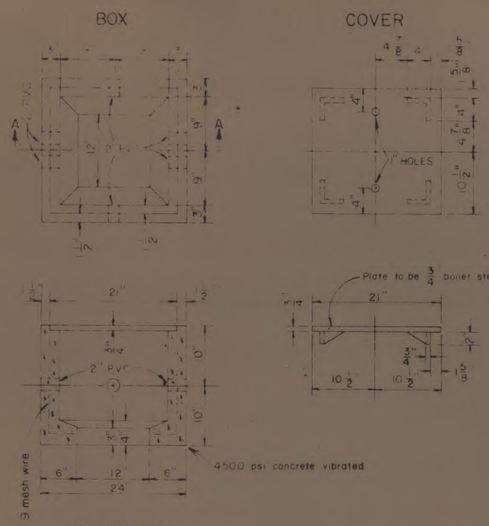
FLORIDA DEPARTMENT OF TRANSPORTATION
Traffic Operations

TYPICAL INSTALLATION DETAILS

REVISIONS			INITIALS	DATES
Dates	Descriptions	Detailed by		
		Checked by		2-7
		Quantities by		
		Checked by		
		Supervised by		

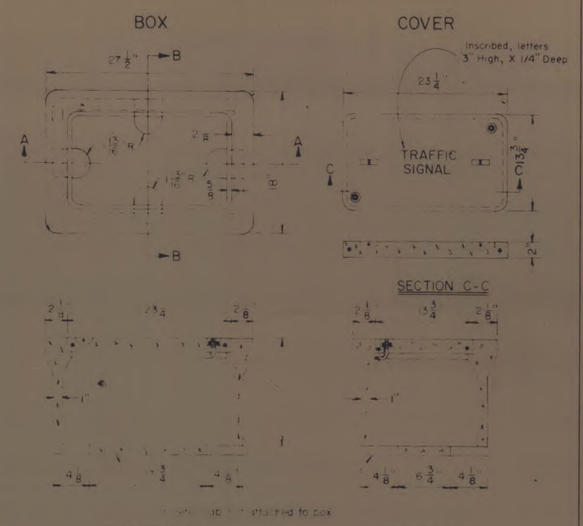
Recommended for approval by Deputy Traffic Operations Engr.
Approved by State Traffic Operations Engr.
DRAWING NO. INDEX NO. 84/1

Contract No. 5



TRAFFIC TYPE PULL BOX DETAIL

NO SCALE

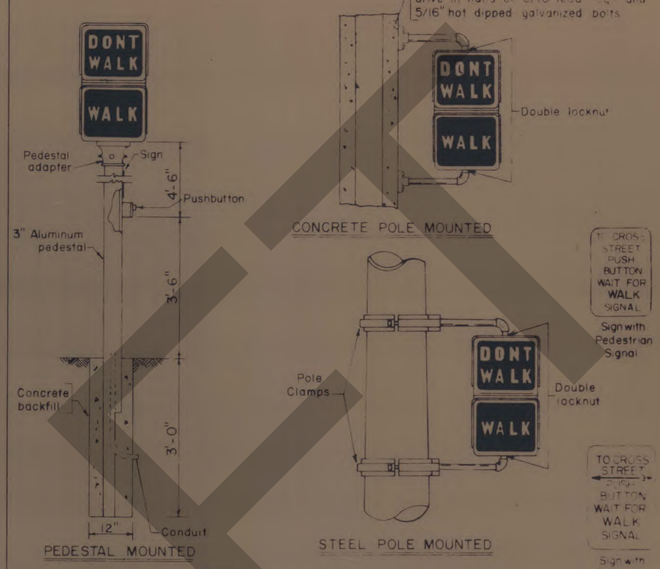


NOTES

1 - Two galvanized eye bolts per cover required.
2 - Cover to have 6 gauge welded wire frame.
3 - Brass "L" bolts and nuts in diagonal corners, two required.
4 - Cover to be marked TRAFFIC SIGNAL.

METER TYPE PULL BOX DETAIL

SCALE

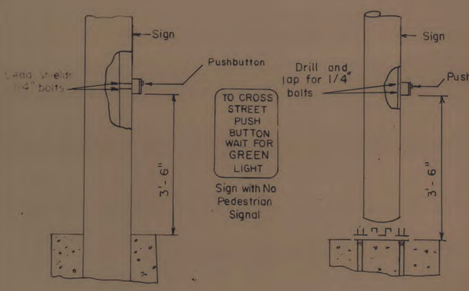


NOTES

1 Provide 8' clearance from signal to surface
2 Aluminum Pedestal (3" I.D., .25" W.T.) - Aluminum association alloy 6061-T or 6351-T5 ASTM B221
3 Assemble signal according to manufacturer's recommendations

PEDESTRIAN SIGNAL MOUNTING

NO SCALE



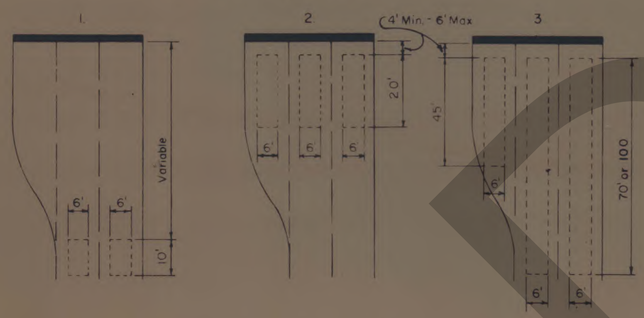
PUSHBUTTON INSTALLATION

NO SCALE

1 - Motion - 6' wide x 10' length or 18' wide x 10' length (Continuous Cut)
2 - Presence - 6' wide x 20' length per lane only
3 - Loop Occupancy* - 6' wide x 70' min - 100' max length per thru lane only
Left turn only - 6' wide x 45' length (Standard Requirement)

Suggested placement behind Stop Bar - 4' min, 6' max

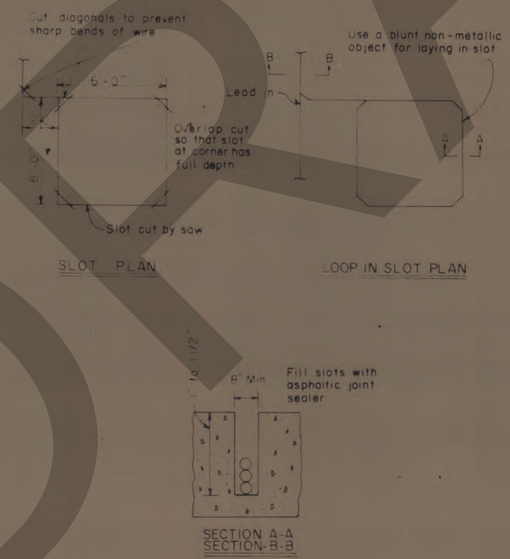
TYPICAL SKETCHES SHOWING APPLICATION



NOTES 1. X. Thru lane loop lengths are determined by approach speed 0-34 MPH = 70' 35-45 MPH = 100'
2. Left turn slots constructed only at locations as shown on plans.

VEHICULAR LOOP STANDARDS

SCALE



DETECTION LOOP CONSTRUCTION DETAIL

NO SCALE

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NOV 26 1975

FLORIDA DEPARTMENT OF TRANSPORTATION
Traffic Operations

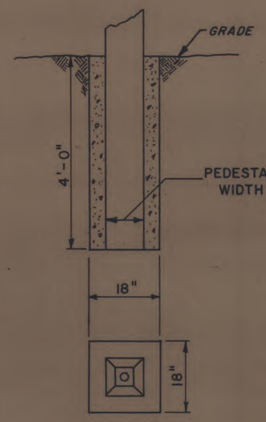
TYPICAL INSTALLATION DETAILS

REVISIONS		INITIALS	DATES
Numbers	Descriptions		

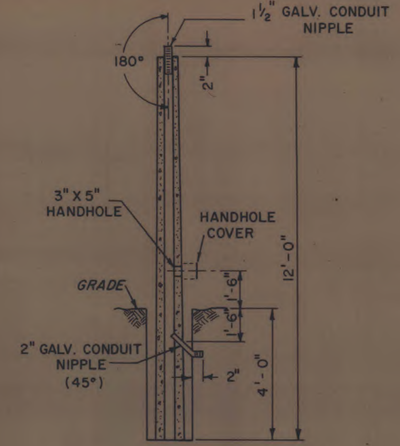
Contract No. 5

84/1

SECTION	CONTRACT	SOUTH CROSSTOWN EXPRESSWAY	SHEET NO.
10002	3505		T-8
By: WACO	TAMPA-HILLSBOROUGH COUNTY EXPRESSWAY AUTHORITY		Date: 1974



DETAIL OF CONCRETE PEDESTAL BASE

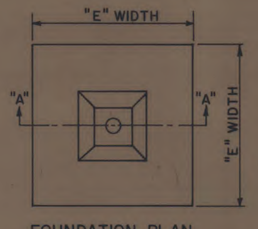


CONCRETE PEDESTAL TYPE II

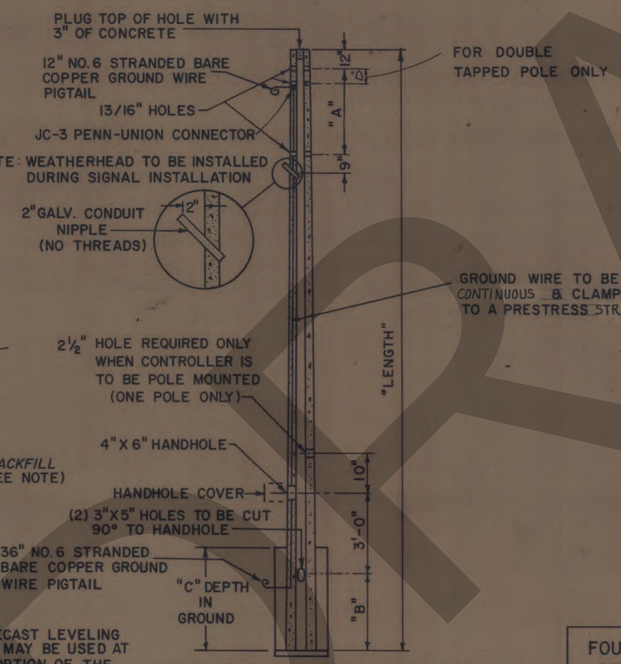
2 3- REQ'D

POLE SCHEDULE

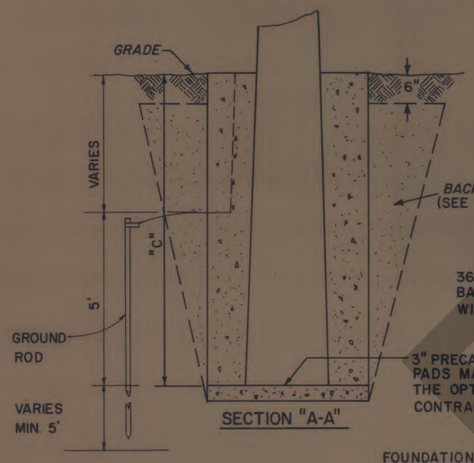
LOCATION	POLE NO	NO REQ'D	LENGTH	CLASS	A	B	C	D	ELEVATION TOP OF BASE
PLATT ST.	1	1	35'	V	5'-5"	5'-6"	7'-0"	—	18.97
&	2	1	38'	VI	8'-3"	6'-9"	8'-3"	2'-10"	20.05
WILLOW AVE.	3	1	38'	V	8'-3"	5'-9"	7'-3"	—	19.05
BROREIN ST.	4	1	34'	V	4'-11"	6'-1"	7'-7"	—	19.11
&	5	1	35'	V	5'-11"	6'-1"	7'-7"	1'-0"	19.11
HYDE PARK AVE.	6	1	35'	V	5'-11"	6'-1"	7'-7"	—	19.11
BROREIN ST.	7	1	37'	V	6'-5"	5'-11"	7'-5"	—	17.45
&	8	1	37'	V	6'-5"	5'-11"	7'-5"	2'-2"	17.45
PLANT AVE.	9	1	35'	V	4'-3"	6'-2"	7'-8"	—	17.53



FOUNDATION PLAN

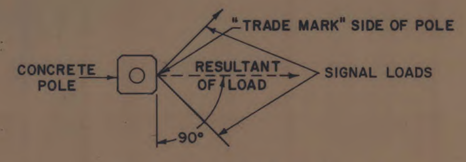


DETAIL OF PRESTRESSED CONCRETE STRAIN POLES; TYPE V, VI, & VII



SECTION "A-A"

FOUNDATION SIZE REQUIREMENTS		
POLE TYPES	"E" WIDTH	"C" DEPTH
V	3'-0"	7'-0"
VI	3'-6"	8'-0"
VII	4'-0"	8'-0"
NOTE: THE DIMINSIONS ABOVE ARE MINIMUM.		



POLE PLACEMENT PLAN

FOUNDATION NOTES

EXCAVATION & BACKFILL EXCAVATION AND BACKFILL FOR FOOTINGS SHALL BE IN ACCORDANCE WITH SECTION 125-8.2 WITH THE FOLLOWING EXCEPTION. IN LIEU OF THE REQUIREMENTS FOR OBTAINING THE SPECIFIED DENSITY, THE BACKFILL MAY BE HAND TAMPED IN FOUR INCH MAXIMUM LAYERS OR MACHINE TAMPED IN SIX INCH MAXIMUM LAYERS. THE MATERIAL SHALL BE NEITHER DRY NOR SATURATED. BACKFILLING MAY BE DONE WITH POURED CONCRETE AT THE OPTION OF THE CONTRACTOR.

CONCRETE FOOTING: TO BE POURED WITH CLASS "I" CONCRETE.

FORMS: SHALL BE IN ACCORDANCE WITH ARTICLE 700-8.3 (IF THE FOOTING IS POURED IN AN OVERSIZED HOLE, THE CONCRETE IN TOP SIX INCHES SHALL BE PLACED IN A FORM AND ALL EXPOSED SURFACES SHALL BE TROWELED TO A SMOOTH FINISH.

AS BUILT

NOV 26 19[illegible]

NO.	REVISION	BY	DATE
	CORRECTED SPELLING IN POLE NOTE		6-7-74

TAMPA-HILLSBOROUGH COUNTY EXPRESSWAY AUTHORITY

SOUTH CROSSTOWN EXPRESSWAY

POLE SCHEDULE

J.E. GREINER COMPANY—WATSON & COMPANY CONSULTING ENGINEERS TAMPA, FLORIDA

MADE J.C. DATE 1974 TRACED G.T. DATE 1974
CHECKED J.C. DATE 1974 SCALE NOT TO SCALE

Contract No. 5

84
1

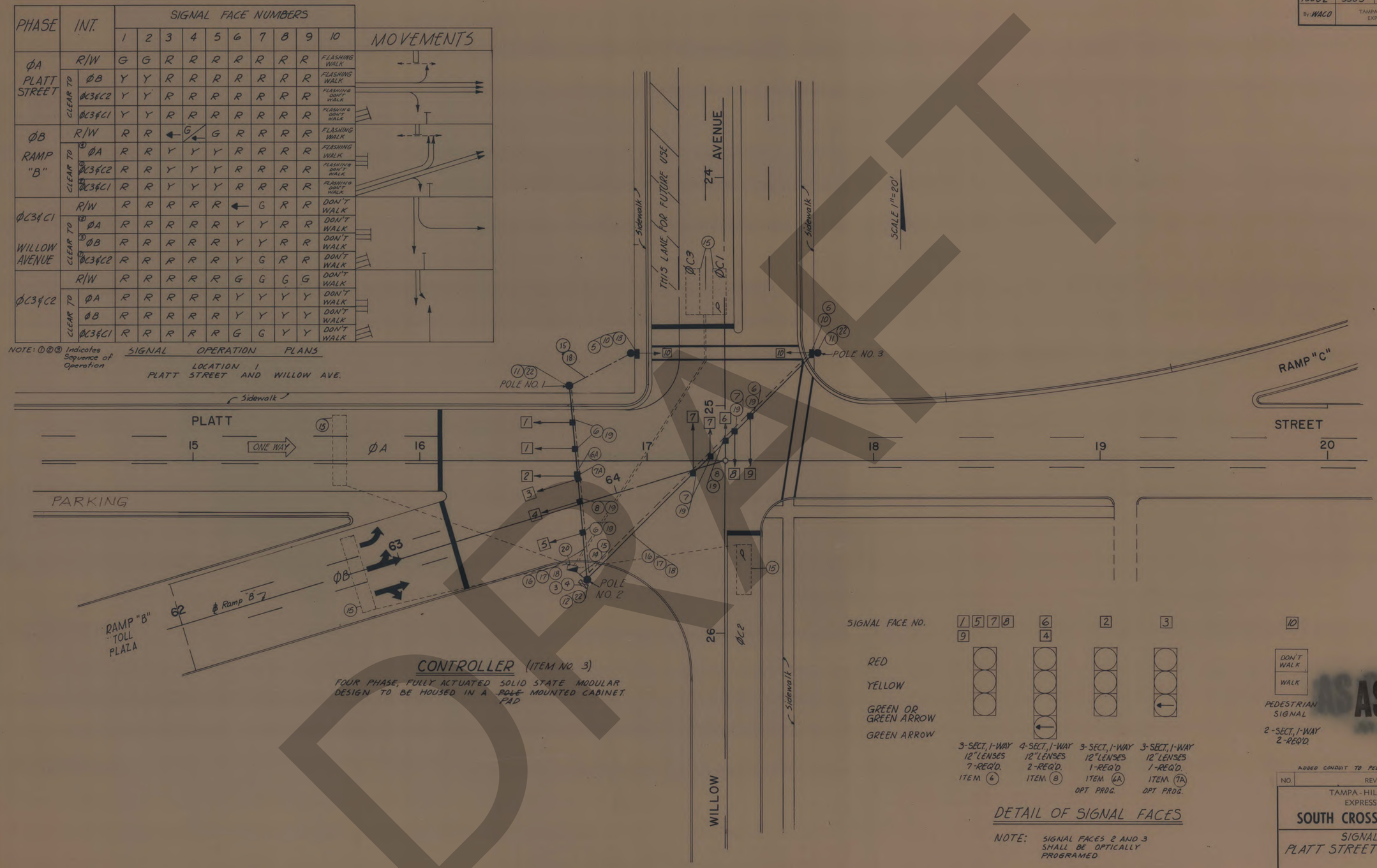
SECTION	CONTRACT	SOUTH CROSSTOWN EXPRESSWAY	SHEET NO.
10002	3505		T-9
By: WACO	TAMPA-HILLSBOROUGH COUNTY EXPRESSWAY AUTHORITY		Date: 1974

PHASE	INT.	SIGNAL FACE NUMBERS 1	2	3	4	5	6	7	8	9	10	MOVEMENTS
ØA PLATT STREET	R/W	G	G	R	R	R	R	R	R	R		FLASHING WALK
	CLEAR TO ØB	Y	Y	R	R	R	R	R	R	R		FLASHING WALK
	CLEAR TO Ø C3 & C2	Y	Y	R	R	R	R	R	R	R		FLASHING DON'T WALK
	CLEAR TO Ø C3 & C1	Y	Y	R	R	R	R	R	R	R		FLASHING DON'T WALK
ØB RAMP "B"	R/W	R	R	←	G/←	G	R	R	R	R		FLASHING WALK
	CLEAR TO ① ØA	R	R	Y	Y	Y	R	R	R	R		FLASHING WALK
	CLEAR TO ② Ø C3 & C2	R	R	Y	Y	Y	R	R	R	R		FLASHING DON'T WALK
	CLEAR TO ② Ø C3 & C1	R	R	Y	Y	Y	R	R	R	R		FLASHING DON'T WALK
Ø C3 & C1 WILLOW AVENUE	R/W	R	R	R	R	R	←	G	R	R		DON'T WALK
	CLEAR TO ① ØA	R	R	R	R	R	Y	Y	R	R		DON'T WALK
	CLEAR TO ① ØB	R	R	R	R	R	Y	Y	R	R		DON'T WALK
	CLEAR TO ② Ø C3 & C2	R	R	R	R	R	Y	G	R	R		DON'T WALK
Ø C3 & C2	R/W	R	R	R	R	R	G	G	G	G		DON'T WALK
	CLEAR TO ØA	R	R	R	R	R	Y	Y	Y	Y		DON'T WALK
	CLEAR TO ØB	R	R	R	R	R	Y	Y	Y	Y		DON'T WALK
	CLEAR TO Ø C3 & C1	R	R	R	R	R	G	G	Y	Y		DON'T WALK

NOTE: ①②③ Indicates Sequence of Operation

SIGNAL OPERATION PLANS

LOCATION 1
PLATT STREET AND WILLOW AVE.



CONTROLLER (ITEM NO. 3)

FOUR PHASE, FULLY ACTUATED SOLID STATE MODULAR DESIGN TO BE HOUSED IN A ~~POLE~~ PAD MOUNTED CABINET.

SIGNAL FACE NO. 1 5 7 8 9 | 6 4 | 2 | 3

RED

YELLOW

GREEN OR GREEN ARROW

GREEN ARROW

3-SECT, 1-WAY 12" LENSES 7-REQ'D. ITEM (6)	4-SECT, 1-WAY 12" LENSES 2-REQ'D. ITEM (8)	3-SECT, 1-WAY 12" LENSES 1-REQ'D ITEM (6A) OPT PROG.	3-SECT, 1-WAY 12" LENSES 1-REQ'D. ITEM (7A) OPT PROG.

DETAIL OF SIGNAL FACES

NOTE: SIGNAL FACES 2 AND 3 SHALL BE OPTICALLY PROGRAMED

10

DON'T WALK

WALK

PEDESTRIAN SIGNAL

2-SECT, 1-WAY 2-REQ'D.

AS BUILT
NOV 26 1975

NO.	REVISION	BY	DATE
	ADDED CONDUIT TO PED. PEDESTAL		6-7-74

TAMPA-HILLSBOROUGH COUNTY EXPRESSWAY AUTHORITY

SOUTH CROSSTOWN EXPRESSWAY

SIGNALIZATION PLAN
PLATT STREET AND WILLOW AVENUE

J. E. GREINER COMPANY — WATSON & COMPANY
CONSULTING ENGINEERS TAMPA, FLORIDA

MADE JNC DATE 1974 | TRACED EAJ DATE 1974
CHECKED MF DATE 1974 | SCALE

Contract No. 5

84/1

SECTION	CONTRACT	SOUTH CROSSTOWN EXPRESSWAY	SHEET NO.
10002	3505		T-10
By WACO		TAMPA-HILLSBOROUGH COUNTY EXPRESSWAY AUTHORITY	Date: 1974

SIGNAL OPERATION PLAN

PHASE	INT.	SIGNAL FACE NUMBERS 10	11	12	13	14	15	16	MOVEMENTS
ØA BROREIN ST. and CLEVELAND ST.	R/W	←	G	↑	R	R	DON'T WALK	FLASHING WALK	
	CLEAR TO ØB	Y	Y	Y	R	R	DON'T WALK	FLASHING DON'T WALK	
ØB HYDE PARK AVE.	R/W	R	R	R	↑	G	FLASHING WALK	DON'T WALK	
	CLEAR TO ØA	R	R	R	Y	Y	FLASHING DON'T WALK	DON'T WALK	

LOCATION 2

BROREIN ST. AND HYDE PARK AVE.

CONTROLLER (ITEM 2)

Two Phase, Fully Actuated, Solid State, Modular Design, With Interconnect Facilities To be Housed in Pole Mounted Cabinet.

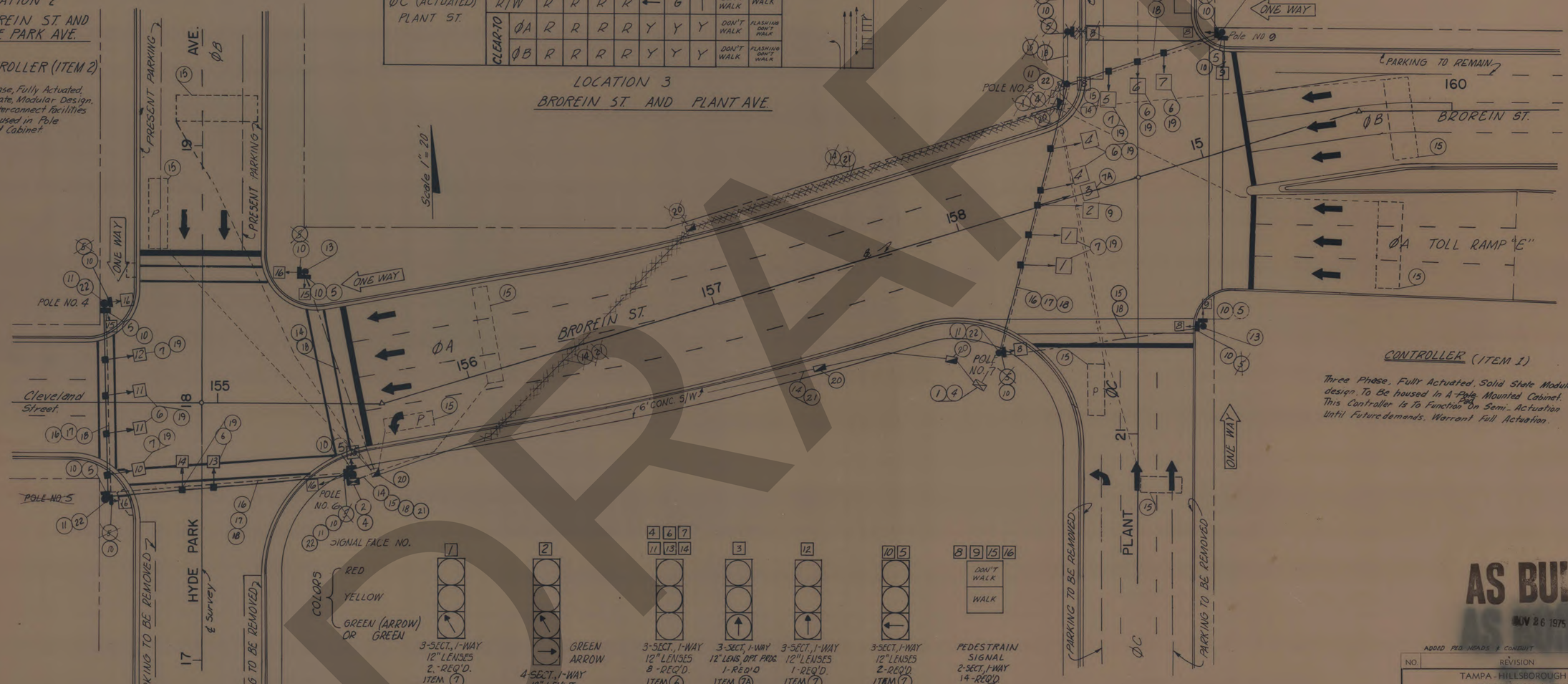
SIGNAL OPERATION PLAN

PHASE	INT.	SIGNAL FACE NUMBERS 1	2	3	4	5	6	7	8	9	MOVEMENTS
ØA (ACTUATED) TOLL RAMP "E"	R/W	↖	↗	R	R	R	R	R	FLASHING WALK	DON'T WALK	
	CLEAR TO ØB	Y	Y	R	R	R	R	R	FLASHING WALK	DON'T WALK	
	CLEAR TO ØC	Y	Y	R	R	R	R	R	FLASHING DON'T WALK	DON'T WALK	
ØB (DWELL) BROREIN ST.	R/W	R	R	↑	G	R	R	R	FLASHING WALK	DON'T WALK	
	CLEAR TO ØC	R	R	Y	Y	R	R	R	FLASHING DON'T WALK	DON'T WALK	
	CLEAR TO ØA	R	R	Y	Y	R	R	R	FLASHING WALK	DON'T WALK	
ØC (ACTUATED) PLANT ST.	R/W	R	R	R	R	←	G	↑	DON'T WALK	WALK	
	CLEAR TO ØA	R	R	R	R	Y	Y	Y	DON'T WALK	FLASHING DON'T WALK	
	CLEAR TO ØB	R	R	R	R	Y	Y	Y	DON'T WALK	FLASHING DON'T WALK	

LOCATION 3

BROREIN ST. AND PLANT AVE.

1. The Contractor Shall Verify The Location Of All Utilities & drainage Pipes Prior To Construction.
2. Pole Locations As Shown On Plans Are Approximate And May Be Adjusted By The Engineer.



DETAIL OF SIGNAL FACES

NOTE: SIGNAL FACES 2 AND 3 SHALL BE OPTICALLY PROGRAMED

CONTROLLER (ITEM 1)

Three Phase, Fullr Actuated, Solid State Modular design. To Be housed In A Pole Mounted Cabinet. This Controller Is To Function On Semi-Actuation Until Future demands, Warrant Full Actuation.

AS BUILT

NOV 26 1975

NO.	REVISION	BY	DATE
	ADDED PED HEADS & CONDUIT		6-7-74

TAMPA-HILLSBOROUGH COUNTY EXPRESSWAY AUTHORITY

SOUTH CROSSTOWN EXPRESSWAY

SIGNALIZATION PLAN

BROREIN ST. AND PLANT AVE.

BROREIN ST. AND HYDE PARK AVE.

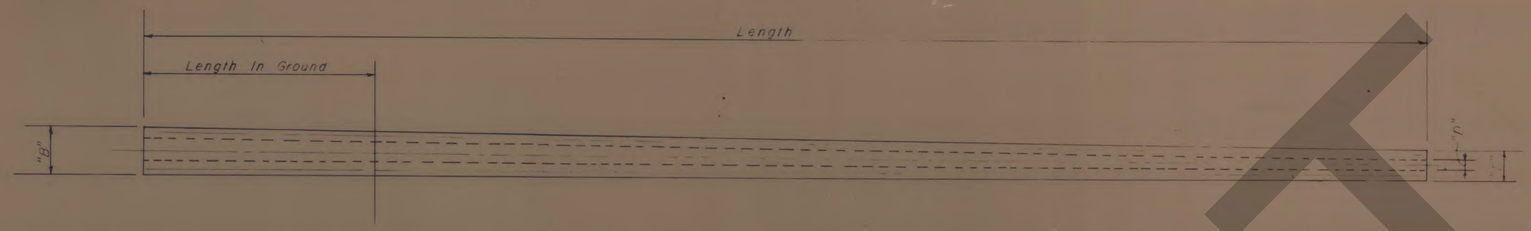
J. E. GREINER COMPANY — WATSON & COMPANY
CONSULTING ENGINEERS TAMPA, FLORIDA

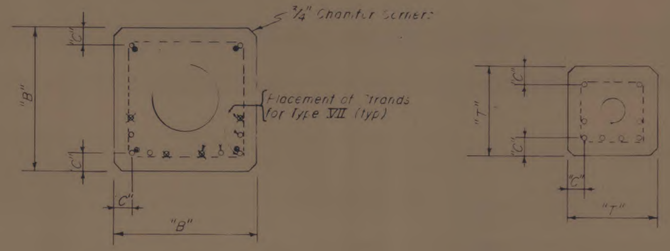
MADE J. H. DATE NOV. '72 TRACED DJR DATE 1974
CHECKED JNC DAT 1974 SCALE NOT TO SCALE

84 / 1

Contract No. 5

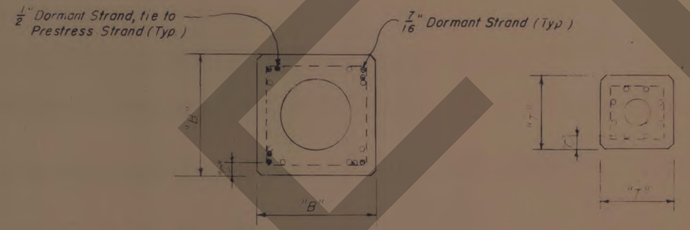
DRAFT





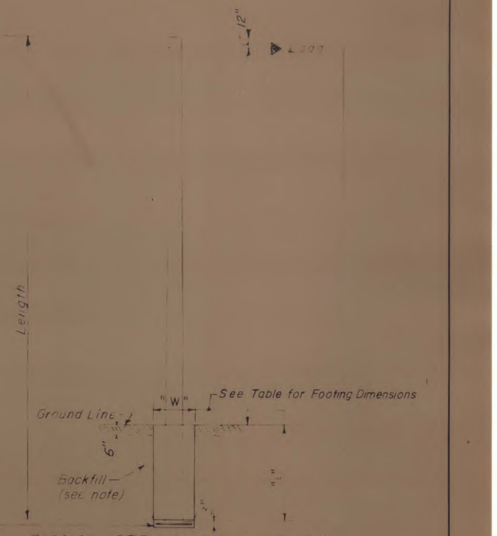
SECTION AT BOTTOM SECTION AT TOP

TYPICAL SECTION FOR TYPE V, VI and VII
(STRANDS ECCENTRICALLY PLACED)



SECTION AT BOTTOM SECTION AT TOP

TYPICAL SECTION FOR TYPE IV
(STRANDS SYMMETRICALLY PLACED)



SIGNAL STRAIN POLE LOADING

TYPE	DESIGNATION	SIZE AT TOP "T"	SIZE AT BOTTOM "B"	OUTSIDE POLE TAPER	HOLE DIA. "D" AT TOP	MANDREL DETAIL	STRAND TAPER "C"	NO. OF STRANDS	SIZE * and TYPE STRAND	LOAD WITH NO CRACKING	MINIMUM ULTIMATE LOAD CAPACITY	APPLICATION OF LOAD	f'c	fy	FOOTING DIMENSIONS W & L	SPIRALING (From Top)	SHEAR REINFORCING (From Bottom)	DORMANT STRAND
SIGNAL STRAIN POLES	VII	14" Sq.	Size at Top + (Lg. x Taper)	.6"/Ft.	2.87" ϕ (Per Mandrel Detail)	Per Pres. MFG	Min. Cover 1" of Conc.	12	½" ϕ Strands 270 K	7000#	10,000 ± # (Min.)	12 Inches From Top	6000psi	4000psi	3.5'x3.5'x9.0'	Shield 2 at 10' Shield 2 at 26'	3 Wire @ 3" @ 9' up 5 Ga Spiral @ 6" Remainder	4 - ½" ϕ Tie to Corner
	VI	[illegible]	Size at Top + (Lg. x Taper)	.6"/Ft.	3" ± ϕ (Per Mandrel Detail)	Per Pres. MFG	Min. Cover 1" of Conc.	8	½" ϕ Strands 250 K	5000#	7500 ± # (Min.)	12 Inches From Top	6000psi	4000psi	3.5'x3.5'x8.0'	Shield 2 at 12'	3 Wire @ 3" @ 9' up 5 Ga Spiral @ 6" Remainder	4 - ½" ϕ Tie to Corner
	V	[illegible]	Size at Top + (Lg. x Taper)	.6"/Ft.	2.87" ± ϕ (Per Mandrel Detail)	Per Pres. MFG	Min. Cover 1" of Conc.	8	½" ϕ Strands 250 K	3750#	6000 ± # (Min.)	12 Inches From Top	6000psi	4000psi	3'x3'x7.0'	Shield 2 at 6' Shield 2 at 21'	3 Wire @ 3" @ 9' up 5 Ga Spiral @ 6" Remainder	4 - ½" ϕ Tie to Corner
	IV	~ 8.25" Sq.	Size at Top + (Lg. x Taper)	16"/Ft.	3" ± ϕ (Per Mandrel Detail)	Per Pres. MFG	Min. Cover 1" of Conc.	8	½" ϕ A.S.T.M. 250 K	1850 *	3000 ± # (Min.)	12 Inches From Top	6000psi	4000psi	3'x3'x6.0'	Shield 2 at 6' Shield 2 at 12'	5 Ga Spiral @ 6"	4 - ½" ϕ to Corner 4 - ½" ϕ Tie To Prest.
LIGHT POLES	II	6" Sq.	Size at Top + (Lg. x Taper)	16"/Ft.	2" ϕ (Per Mandrel Detail)	Per Pres. MFG	Min. Cover 1" of Cont.	4	½" ϕ A.S.T.M. 250 K	900#	1200 ± # (Min.)	2 Feet From Top	6000psi	4000psi	3'x3'x6.0'		9 Ga Spiral @ 6"	8 - ½" ϕ
	II	64" Round	Size at Top + (Lg. x Taper)	16"/Ft.	2" ϕ (Per Mandrel Detail)	Per Pres. MFG	Min. Cover 1" of Conc.	4	½" ϕ A.S.T.M. 250 K	900#	1200 ± # (Min.)	2 Feet From Top	6000psi	4000psi	3'x3'x6.0'	Shield 2 at 6' Shield 2 at 12'		4 - #4 Bars



SECTION AT BOTTOM SECTION AT TOP

TYPICAL SECTION FOR TYPE II
(STRANDS SYMMETRICALLY PLACED)

* Steel strand used to prestress the Concrete shall not be tensioned above 70% of the rated ultimate strength.

SYMBOLS

- O Placement of Prestressed Strands
- ⊗ Placement of Prestressed Strands for Type VII
- ● Placement of Dormant Strands

FOOTING NOTES

EXCAVATION AND BACKFILL

Excavation and Backfill for the Footings shall be in accordance with section 125-8.2 with the exception that for the Backfill, in lieu of the requirements for obtaining the specified density, The Backfill may be handtamped in four inch maximum layers, except the top 6" in six inch maximum layers, the material should be neither dry nor saturated. At the Contractors option Backfilling may be done with poured concrete.

FORMS: Shall be in accordance with Section 700-8.3

AS BUILT

NOV 26 1968

SIGNAL STRAIN POLES & LIGHT POLE

STATE ROAD DEPARTMENT OF FLORIDA
STRUCTURES DIVISION

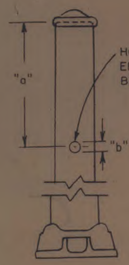
PRESTRESSED CONCRETE POLES

REVISION
10-68 Revised Pile Footing
08-69 Revised Footing Dimension
02-70 Revised Footing Dimension
08-71 250 K in Lieu 270 K

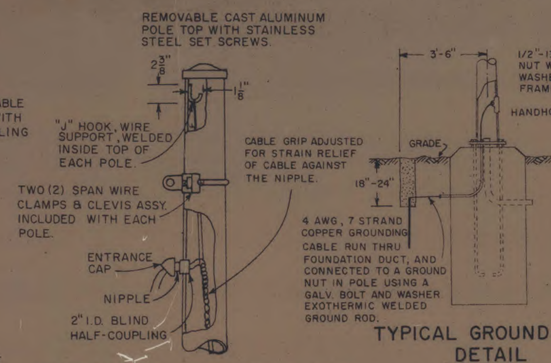
C.W.&.D. 5-15-68

Contract No. 5 | 1 of 1 | 982 | 84 / 1

FED. ROAD DIV. NO.	STATE	PROJECT NO.	FISCAL YEAR	SHEET NO.
3	FLA.	10002-3505		T-12





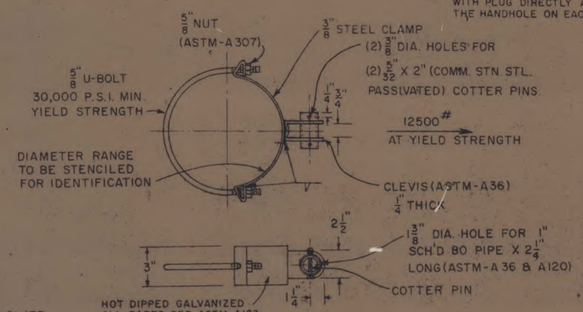


TYPICAL CABLE STRAIN RELIEF & ENTRANCE CAP DETAILS

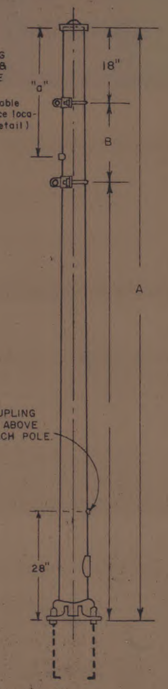
TYPICAL GROUND ROD DETAIL

CONFIG.	"a"	"b"	"c"
A	30"	2"	90°
B	30"	2"	180°
C	30"	2"	270°
D	48"	2"	90°
E	48"	2"	180°
F	48"	2"	270°
G	NO HOLE REQUIRED		

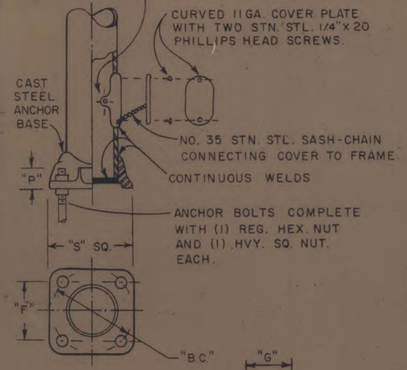
CABLE ENTRANCE LOCATION DETAIL

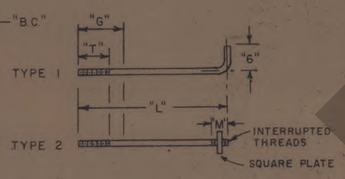


NOTE:
2" I.D BLIND HALF-COUPLING WITH PLUG DIRECTLY ABOVE THE HANDHOLE ON EACH POLE.



POLE DETAIL





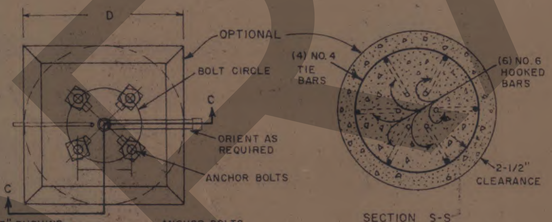
* 2 ply 7 Ga. † 3 Ga. & 0 Ga.

ANCHOR BASE DATA						ANCHOR BOLT DATA						SQUARE PLATE SIZE
POLE DIA.	"B.C."	"F"	"S"	"P"	SIZE	"L"	"M"	"G"	"M"	TYPE	
10" †	13-1/2"	9-9/16"	14-1/8"	3-3/8"	1-1/2" x 60"	54"	9"	14"	—	1	—
11" †	15"	10-5/8"	15-5/8"	3-5/8"	1-3/4" x 90"	84"	9"	14"	—	1	—
12" †	16"	11-5/16"	17"	4"	1-3/4" x 90"	84"	9"	14"	—	1	—
13" †	18"	12-3/4"	18-1/2"	4-1/4"	2" x 90"	90"	9"	15"	1-3/4"	2	1" x 4"
14" †	20"	14-1/8"	20-1/2"	4-3/4"	2" x 90"	90"	9"	15"	3/4"	2	1" x 4"
14" *	22"	15-1/2"	23"	5-1/4"	2-1/4" x 96"	96"	10"	16"	2"	2	1-1/4 x 4-1/2"α

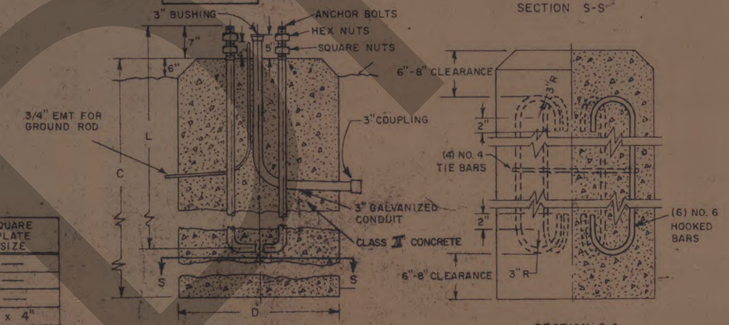
TYPICAL HANDHOLE, ANCHOR BASE & ANCHOR BOLT DETAILS

TYPE	RANGE MIN.	RANGE MAX.	NOM. CLAMP SIZE
I	5.2"	5.8"	5"
II	5.8"	6.8"	6"
III	6.8"	7.9"	7"
IV	7.9"	9.0"	8"
V	9.0"	10.1"	9"
VI	10.1"	11.3"	10"
VII	11.3"	12.1"	11"
VIII	12.1"	13.4"	12"

SPAN WIRE CLAMP DETAILS



SECTION S-S



TYPICAL STRAIN POLE FOUNDATION

SECTION C-C
TYPICAL REINFORCING STEEL SECTIONS

FOUNDATION DATA

POLE TYPE	"C"	"D"
A	6'-0"	30"
B	7'-0"	30"
C	7'-0"	36"
D	8'-0"	36"
E	8'-0"	42"
F	6'-0"	30"
G	7'-0"	30"
H	7'-0"	36"
I	8'-0"	36"
J	8'-0"	42"
K	8'-0"	42"

POLE SCHEDULE

LOCATION NO.	POLE NO.	(POLE LENGTH) "A"	POLE TYPE	"B"	CABLE ENTRANCE CONFIGURATION	"C"	"D"	CLAMP TYPE Upper	CLAMP TYPE Lower	NUMBER REQUIRED POLES	NUMBER REQUIRED CLAMPS Upper	NUMBER REQUIRED CLAMPS Lower
1	1	28	A	5'-5"	G	6'-0"	30"	II	III	1	1	1
1	2	30	C	8'-3"	E	7'-0"	36"	III	V	1	2	1
1	3	32	B	9'-3"	G	7'-0"	30"	II	IV	1	1	1
2	4	28	A	5'-11"	G	6'-0"	30"	II	III	1	1	1
2	5	28	A	5'-11"	G	6'-0"	30"	II	III	1	1	1
2	6	28	A	5'-11"	F	6'-0"	30"	II	III	1	1	1
3	7	30	A	6'-5"	G	6'-0"	30"	II	III	1	1	1
3	8	30	A	6'-5"	E	6'-0"	30"	II	III	1	2	1
3	9	28	A	4'-5"	G	6'-0"	30"	II	III	1	1	1

STEEL POLES TO BE ALTERNATE TO PRESTRESSED CONCRETE POLES.

ANCHOR BASE TYPE
STEEL STRAIN POLE CHART

OVERALL LENGTH	TYPE	BASE DIAMETER (INCHES)	WALL THICKNESS (GAUGE)	LOAD AT YIELD STRESS (LBS.)	DEFLECTION PER 100 LBS (INCHES)
26 Ft.	A	10	.2500 (3 Ga.)	3400	.45
	B	11		4160	.32
	C	12		4960	.24
	F	10	.3125 (0 Ga.)	4180	.37
	G	11		5120	.26
	H	12		6100	.19
28 Ft.	A	10	.2500 (3 Ga.)	3140	.57
	B	11		3840	.41
	C	12		4590	.31
	H	12	.3125 (0 Ga.)	5640	.25
	I	13		6650	.19
	J	14		7750	.15
30 Ft.	A	10	.2500 (3 Ga.)	2920	.74
	B	11		3560	.53
	C	12		4260	.39
	D	13		5030	.30
	H	12	.3125 (0 Ga.)	5250	.32
	I	13		6200	.24
	J	14		7200	.19
32 Ft.	B	11	.2500 (3 Ga.)	3335	.66
	C	12		3990	.49
	D	13		4700	.37
	H	12	.3125 (0 Ga.)	4910	.40
	I	13		5800	.30
	J	14		6760	.24
	K	14	.3586 (2 ply 7 Ga.)	7650	.21
34 Ft.	C	12	.2500 (3 Ga.)	3740	.61
	D	13		4420	.46
	E	14		5140	.36
	H	12	.3125 (0 Ga.)	4610	.50
	I	13		5440	.38
	J	14		6340	.30
	K	14	.3586 (2 ply 7 Ga.)	7000	.26
36 Ft.	C	12	.2500 (3 Ga.)	3530	.75
	D	13		4160	.57
	E	14		4840	.44
	H	12	.3125 (0 Ga.)	4340	.61
	I	13		5120	.46
	J	14		5970	.36
	K	14	.3586 (2 ply 7 Ga.)	6790	.31

OVERALL LENGTH	TYPE	BASE DIAMETER (INCHES)	WALL THICKNESS (GAUGE)	LOAD AT YIELD STRESS (LBS.)	DEFLECTION PER 100 LBS (INCHES)
38 Ft.	C	12	.2500 (3 Ga.)	3330	.92
	D	13		3930	.69
	E	14		4570	.53
	H	12	.3125 (0 Ga.)	4100	.77
	I	13		4830	.58
	J	14		5630	.45
	K	14	.3586 (2 ply 7 Ga.)	6420	.38

MATERIAL SPECIFICATIONS

1. Tapered tubes (S.A.E.-1020 Steel processed to minimum yield stress of 55,000 lbs. P.S.I., & galv. as per ASTM-A123.
2. Cast anchor base and handhole frame, ASTM-A 27, Grade 65-35.
3. Handhole cover plate, 11 gauge steel, S.A.E.-1015.
4. Cast aluminum pole top, aluminum alloy 43.
5. Span wire clamp, low alloy, high strength steel ASTM-A 242 or 375, load producing distortion 12,500 lbs. direct tension.
6. All bolts and nuts less than 5/8" diameter passivated stainless steel AISI-300 series, commercial grade.
7. All bolts and nuts 5/8" dia. and over, ASTM-A 307 and galvanized in accordance with ASTM-A 153.
8. Anchor base and U-bolts, high strength steel minimum yield stress 55,000 lbs. P.S.I.
9. Welding rod, ASTM-A 233, class E60XX or 70XX.
10. Galvanizing, as per ASTM-A123.
11. Painting, when specified, inside of poles red lead primer. Outside of poles zinc chromate, iron oxide primer.
12. The taper shall be 0.14 of an inch per linear foot, measured as change in diameter.

AS BUILT

NOV 26 1975

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION
TRAFFIC OPERATIONS

STEEL STRAIN POLE DETAIL

REVISIONS Dates	REVISIONS Descriptions	ROAD NO.	COUNTY	PROJECT NO.

	Names	Dates
Detailed by		
Checked by		
Quantities by		
Checked by		
Traced by		

Recommended For Approval by R. H. Conley, Traffic Operations Engineer
APPROVED BY
State Traffic Operations Engineer

Drawing No. 1 OF 1 | Sheet No. 84

Contract No. 5

A.K. GOODWILL CO., JACKSONVILLE

SECTION	CONTRACT	SOUTH CROSSTOWN EXPRESSWAY	SHEET NO.
	6		1
By: JEG	TAMPA-HILLSBOROUGH COUNTY EXPRESSWAY AUTHORITY		Date:

TAMPA - HILLSBOROUGH COUNTY EXPRESSWAY AUTHORITY

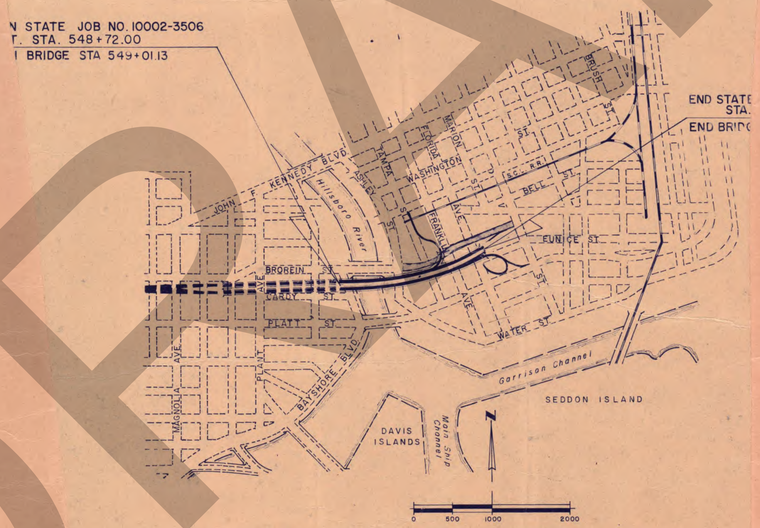
—PLANS OF PROPOSED—

SOUTH CROSSTOWN EXPRESSWAY

HILLSBOROUGH COUNTY TAMPA, FLORIDA

STATE JOB NO. 10002 - 3506-032

STATE ROAD NO. 449



ATTENTION IS DIRECTED TO THE FACT THAT THESE PLANS MAY HAVE BEEN REDUCED IN SIZE BY REPRODUCTION. THIS MUST BE CONSIDERED WHEN OBTAINING SCALED INFORMATION

CONTRACT NO. 6

BAYSHORE BLVD. TO MORGAN ST.

Greiner Engineering Sciences, Inc. - WATSON AND COMPANY

Consulting Engineers

To The Tampa - Hillsborough County Expressway Authority

P.O. BOX 23646
TAMPA, FLORIDA 33622
813/879-1711

CONTRACT NUMBER 6 - State Job No. 10002-3506

Description	Drawing Number Sheet No.
Cover Sheet (Bayshore Blvd. to Morgan St.)	1
Drainage Map	2
Typical Sections	8 and 9
Plan and Profile	12 through 18
Interchange Layout	19
Plan View Ramp "G" (Tampa St. Connector)	20
Plan View Ramps "H" & "H-1"(Florida & Platt Connector)	21
Water Line Relocation Cover Sheet	WL-1
Summary of Water Line Quantities	WL-2
Standard Details	WL-3 and 4
Plan and Profile	WL-5, 6 and 7
Plan View Ramps "H" & "H-1"(Florida & Platt Connector)	WL-8
Cover Sheet Sanitary Sewer Relocation	SS-1
Summary of Quantities	SS-2
Plan and Profile	SS-3
Miscellanecus Details	SS-4 and SS-5
Key Map	RW/1
Right-of-way Map	RW/2, 3 and 4

TOTAL No. MYLAR SHEETS 15.

DRAFT

AS BUILT

APR 21 1976

SECTION	CONTRACT	SOUTH CROSSTOWN EXPRESSWAY	SHEET NO.
	6		1
By: JEG	TAMPA-HILLSBOROUGH COUNTY EXPRESSWAY AUTHORITY		Date:

TAMPA - HILLSBOROUGH COUNTY EXPRESSWAY AUTHORITY

—PLANS OF PROPOSED—

SOUTH CROSSTOWN EXPRESSWAY

HILLSBOROUGH COUNTY TAMPA, FLORIDA

STATE JOB NO. 10002 - 3506-032

STATE ROAD NO. 449



THIS CONTRACT PLAN SET INCLUDES:

ROADWAY PLANS	1 - 64
SIGNING AND PAVEMENT MARKING PLANS	SI - S49
SIGNALIZATION PLANS	TI - TII
LIGHTING PLANS	LI - L8
STRUCTURE PLANS	BI - B141 - WI - W4
WATER LINE RELOCATION PLANS	WLI - WL8
SANITARY SEWER RELOCATION PLANS	SSI - SS5
RIGHT-OF-WAY MAPS	R/WI - R/W4

FOR INDEX OF PLANS, SEE APPROPRIATE PLAN SETS.

INDEX OF ROADWAY PLANS

SHEET NO.	SHEET DESCRIPTION
1	COVER SHEET
2	DRAINAGE MAP
3	GRADING AND CONTOUR SHEET
4	BASE TRAVERSE CONTROL MAP
5-7	SPIRAL STAKE-OUT AND CURVE DATA
8-9	TYPICAL SECTION
10	END OF BRIDGE BARRICADE
11	SUMMARY OF QUANTITIES
12-18	PLAN AND PROFILES
19	INTERCHANGE LAYOUT SHEET
20	RAMP "G" - TAMPA ST. CONNECTOR
21	RAMP "H" & "H-1" - FLORIDA AVE. & PLATT ST. CONNECTORS
22-32	DRAINAGE STRUCTURE SECTIONS
33-38	SPECIAL PROFILES
39-59	CROSS SECTIONS
60-62	APPROACH SLAB DETAILS
63	PROJECT INFORMATION SIGN
64	BORROW AREA ONE

STANDARD DRAWINGS

INDEX NO.	STANDARD DRAWINGS
194	STANDARD ABBREVIATION (2 SHEETS)
195	STANDARD SYMBOLS FOR KEY MAPS AND PLANS SHEETS (3 SHEETS)
1101-W	MISCELLANEOUS ROADWAY CONSTRUCTION DETAILS (2 SHEETS)
1129-G	U-ENDWALLS FOR PIPE CULVERTS (3 SHEETS)
2300-R	GUARDRAIL CONSTRUCTION (4 SHEETS)
5010-H	SUPERELEVATION DETAILS
5016-B	TURNOUT DETAILS
5047-G	INLET, MANHOLE, AND JUNCTION BOX TYPE P AND J (2 SHEETS)
5049-A	INLET TYPE "Z"
5061-E	MISCELLANEOUS DRAINAGE DETAILS (2 SHEETS)
5072-G	DETAILS OF FENCING (2 SHEETS)
5080-G	CURB, CURB AND GUTTER, AND TRAFFIC SEPARATOR (2 SHEETS)

BEGIN STATE JOB NO. 10002-3506
P.O.T. STA. 548+72.00
BEGIN BRIDGE STA 549+01.13

END STATE JOB NO. 10002-3506
STA. 567+65.36
END BRIDGE STA. 567+65.36



ATTENTION IS DIRECTED TO THE FACT THAT THESE PLANS MAY HAVE BEEN REDUCED IN SIZE BY REPRODUCTION. THIS MUST BE CONSIDERED WHEN OBTAINING SCALED INFORMATION

LENGTH OF JOB

	STATE JOB NO. 10002 - 3506	
	LIN. FT.	MILES
ROADWAY	0.00	0.00
BRIDGES	1664.23	0.31
NET LENGTH	1664.23	0.31
EXCEPTIONS	0.00	0.00
GROSS LENGTH	1664.23	0.31

GENERAL SPECIFICATIONS

FLORIDA DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION 1973, OR AS MODIFIED BY THE CONTRACT SPECIAL PROVISIONS

APRIL 21 1976
AS BUILT

APPROVAL RECOMMENDED 1-3-74

BY W. Dale Lester
J.E. GREINER CO., INC. — WATSON AND COMPANY

APPROVED 1-3-74

BY Bob Lester
CHAIRMAN
TAMPA-HILLSBOROUGH COUNTY EXPRESSWAY AUTHORITY

CONTRACT NO. 6
BAYSHORE BLVD. TO MORGAN ST.

J. E. GREINER COMPANY, INC.
CONSULTING ENGINEERS
TAMPA, FLORIDA

SUBMITTED BY Donald E. Watson DATE 1-3-74

DRAFT

DRAINAGE MAP

Dist.	State	County	Route	Proj.	Sheet No.
7	Fla.	HILLSBOROUGH COUNTY	S		2

BEGIN STATE JOB NO. 10002-3506
STA. 548+72.00

END STATE JOB NO. 10002-3506
STA. 567+65.36

E. BAYSHORE BLVD. · ASHLEY ST. · E. TAMPA ST. · E. FRANKLIN ST. · E. FLORIDA ST. · E. MORGAN ST. · E. CUMBERLAND ST.

D.H.W. EL. 3.0

WASHINGTON ST. · WHITING ST. · W. BRORE IN ST. · CARDY ST. · PARKER ST. · BAYSHORE BLVD. · W. PLATT ST. · HYDE PARK PL. · HILLSBOROUGH RIVER · TAMPA ST. · FRANKLIN ST. · EUNICE ST. · BELL ST. · E. BRORE IN ST. · E. CUMBERLAND ST.

LEGEND

- PROPOSED STORM SEWERS
- EXISTING STORM SEWERS
- PROPOSED STORM SEWERS
- ADJOINING PROJECTS
- DRAINAGE DIVIDES

1" = 100'

EXISTING DRAINAGE STRUCTURES

1. MANHOLE - TOP EL. 5.15
   36" C.P. N.W. F.L. UNKNOWN
   18" C.P. S.W. F.L. 0.29
   36" C.P. E. F.L. -1.48
2. 42" R.C.F. THROUGH RIPRAP SEAWALL
   F.L. -3.18
3. MANHOLE - TOP EL. 12.02
   24" C.P. W. F.L. 8.40
   18" C.P. N. F.L. 8.27
   24" C.P. S. F.L. 7.99
4. CURB INLET - TOP EL. 5.77
   GUTTER EL. 5.06
   15" C.P. N. F.L. 2.95
5. CURB INLET - 36" C.P.
   E & W F.L. 3.60
6. CURB INLET - TOP EL. 10.00
   GUTTER EL. 9.07
   36" C.P. S.E. F.L. 4.36
   36" C.P. W. F.L. 4.28
7. MANHOLE - TOP EL. 9.80
   24" C.P. E, W & SE.
   24" C.P. W. BLOCKED
   24" C.P. E. F.L. 5.33
   STANDING WATER IN M.H. AT EL. 7.7
- 7A. CURB INLET: TOP EL. 10.62
   GUTTER EL. 9.79
   24" C.P. W. F.L. 5.67
   STANDING WATER IN INLET AT EL. 7.7
8. MANHOLE - TOP EL. 11.86
   24" C.P. E. F.L. 7.56
   24" C.P. NE. F.L. 7.59
   STANDING WATER IN M.H. AT EL. 7.7
9. MANHOLE - TOP EL. 11.97
   24" C.P. SW. F.L. 7.65
   30" C.P. N. F.L. 5.68
   36" C.P. SE. F.L. 5.33
   36" C.P. W. F.L. 5.17
10. DROP INLET - TOP EL. 10.39
    24" C.P. N. F.L. 5.90
    30" C.P. S. F.L. 6.89
11. MANHOLE - TOP EL. 10.65
12. MANHOLE - TOP EL. 12.28
    18" C.P. SE. F.L. 10.01
    24" C.P. N. F.L. 8.71
    24" C.P. W. F.L. 8.88
13. MANHOLE - TOP EL. 12.02
    24" C.P. W. F.L. 8.40
    18" C.P. N. F.L. 8.27
    24" C.P. S. F.L. 7.99
14. MANHOLE - TOP EL. 11.80
    24" C.P. E. F.L. 7.72
    24" C.P. SE. F.L. 7.70
15. MANHOLE - TOP EL. 13.17
    24" C.P. E. F.L. 7.44
    24" C.P. N. F.L. 7.39
    18" C.P. SE. F.L. 6.83
    36" C.P. SW. F.L. 6.34
16. MANHOLE - TOP EL. 13.22
    24" C.P. NW. F.L. 7.11
    36" C.P. S. F.L. 6.14
    36" C.P. NE. F.L. 6.10
17. MANHOLE - TOP EL. 13.66
    36" C.P. S. F.L. 5.84
    36" C.P. NW. F.L. 5.77
    1.07 WATER IN BOT.
18. MANHOLE - TOP EL. 12.73
    36" C.P. N. F.L. 5.35
    S.W. F.L. 5.28
19. MANHOLE - TOP EL. 16.20
    24" C.P. W. F.L. 8.77
    24" C.P. N. F.L. 8.80
    18" C.P. SE. F.L. 8.65
20. MANHOLE - TOP EL. 16.66
    24" C.P. F.L. 11.38
    24" C.P. S. F.L. 10.88
21. MANHOLE - TOP EL. 15.36
    18" C.P. E. F.L. 9.28
    18" C.P. S. F.L. 9.28
    18" C.P. W. F.L. 9.21
22. MANHOLE - TOP EL. 15.31
    18" C.P. SE. F.L. 10.97
    18" C.P. N. F.L. 10.26

APRIL 21 1976

AS BUILT

Contract No. 6

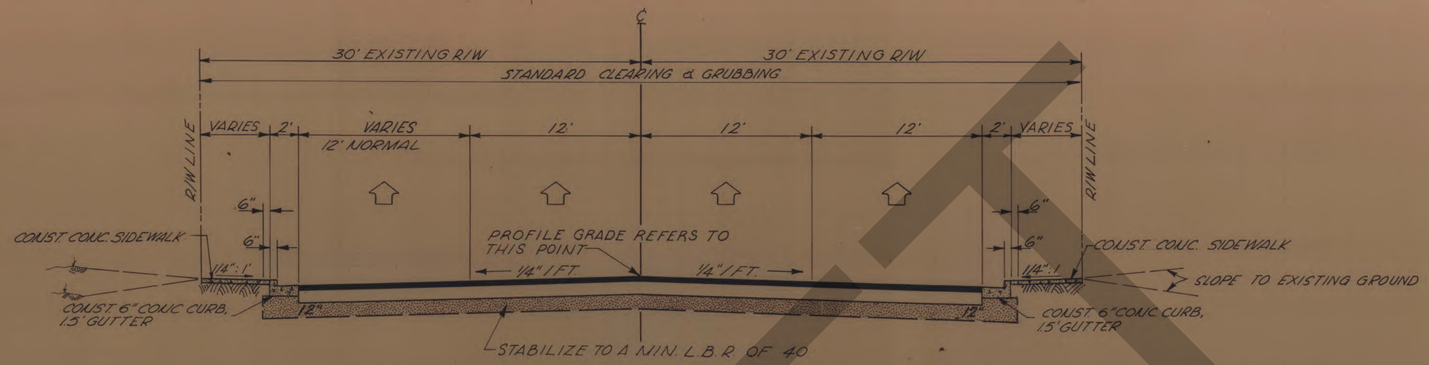
84
7

SECTION	CONTRACT	SOUTH CROSSTOWN EXPRESSWAY	SHEET NO.
	6		8
By: JEG	TAMPA-HILLSBOROUGH COUNTY EXPRESSWAY AUTHORITY		Date:

STATE JOB No. 10002-3506

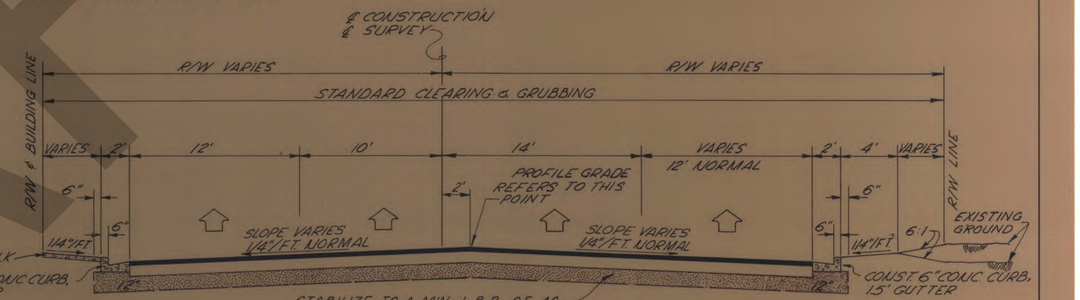
GENERAL NOTES
SLOPES BACK OF SIDEWALK OR BACK OF CURB SHALL BE 2:1, OR TO SUIT PROPERTY OWNERS, NOT FLATTER THAN 6:1.

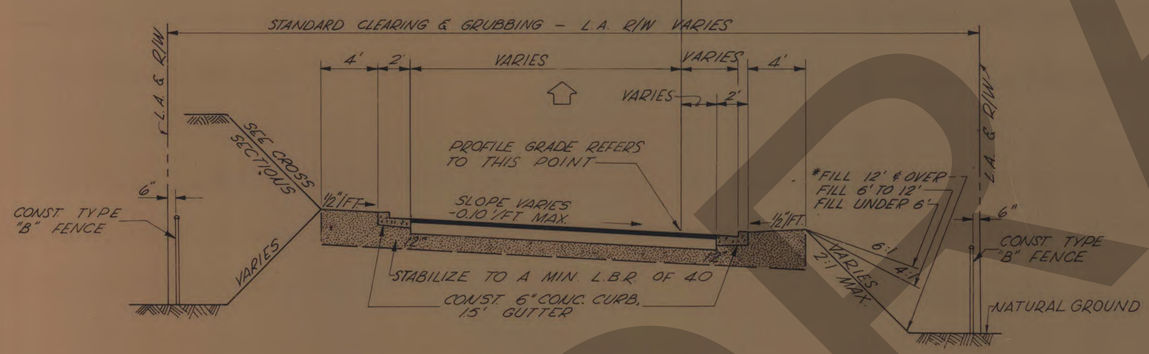
*SOLID SOD ON ALL SLOPES GREATER THAN 4:1, SEED AND MULCH ON SLOPES 4:1 AND LESS



TYPICAL SECTION
BROREIN STREET

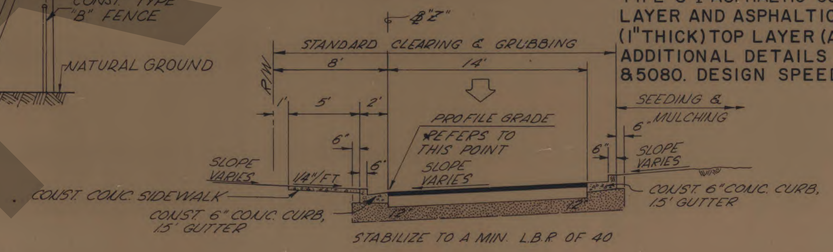
LIMEROCK BASE (9" THICK, DOUBLE COURSE) PRIMED, WITH TYPE S-I ASPHALTIC CONCRETE (2" THICK) BOTTOM LAYER AND ASPHALTIC CONCRETE WEARING COURSE (1" THICK) TOP LAYER (ALTERNATES 1, 2, 3, OR 4). FOR ADDITIONAL DETAILS SEE INDEX No's. 1101, 5010, 5016, & 5080. DESIGN SPEED 35 M.P.H.





TYPICAL RAMP SECTION

LIMEROCK BASE (10" THICK, DOUBLE COURSE) PRIMED, WITH TYPE S-I ASPHALTIC CONCRETE (2" THICK) BOTTOM LAYER AND ASPHALTIC CONCRETE WEARING COURSE (1" THICK) TOP LAYER (ALTERNATES 1, 2, 3, OR 4). FOR ADDITIONAL DETAILS SEE INDEX No's. 1101, 5010, 5072, & 5080. DESIGN SPEED 20 M.P.H.



TYPICAL SECTION ℄ "Z"

LIMEROCK BASE (9" THICK, DOUBLE COURSE), PRIMED TYPE S-I ASPHALTIC CONCRETE (2" THICK) BOTTOM LAYER AND ASPHALTIC CONCRETE WEARING COURSE (1" THICK) TOP LAYER (ALTERNATES 1, 2, 3, OR 4). FOR ADDITIONAL DETAILS SEE INDEX No's. 1101, 5016, & 5080.

TYPICAL SECTION
FLORIDA AVE.

LIMEROCK BASE (9" THICK, DOUBLE COURSE) PRIMED TYPE S-I ASPHALTIC CONCRETE (2" THICK) BOTTOM LAYER AND ASPHALTIC CONCRETE WEARING COURSE (1" THICK) TOP LAYER (ALTERNATES 1, 2, 3, OR 4). FOR ADDITIONAL DETAILS SEE INDEX Nos. 1101, 5010, 5016, & 5080. DESIGN SPEED 35 M.P.H.

DRAFT

AS BUILT
APRIL 21 1976

NO.	REVISION	BY	DATE

TAMPA - HILLSBOROUGH COUNTY EXPRESSWAY AUTHORITY

SOUTH CROSSTOWN EXPRESSWAY

TYPICAL SECTIONS

J. E. GREINER COMPANY — WATSON & COMPANY
CONSULTING ENGINEERS — TAMPA, FLORIDA

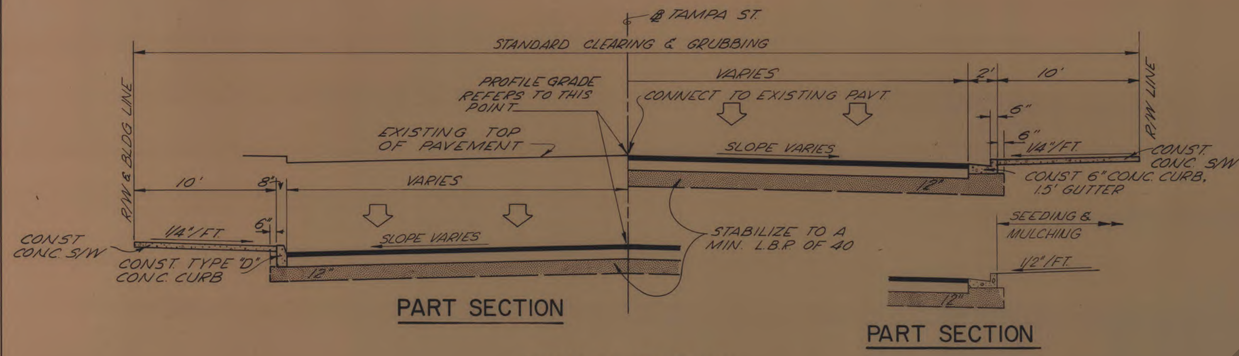
MADE J.K.P. DATE 4-79 | TRACED ____ DATE ____
CHECKED W.J.B. DATE 5-79 | SCALE ____

Contract No. 6

84/1

SECTION	CONTRACT	SOUTH CROSSTOWN EXPRESSWAY	SHEET NO.
	6		9
By: J.E.G.	TAMPA-HILLSBOROUGH COUNTY EXPRESSWAY AUTHORITY		Date:

STATE JOB NO. 10002-3506

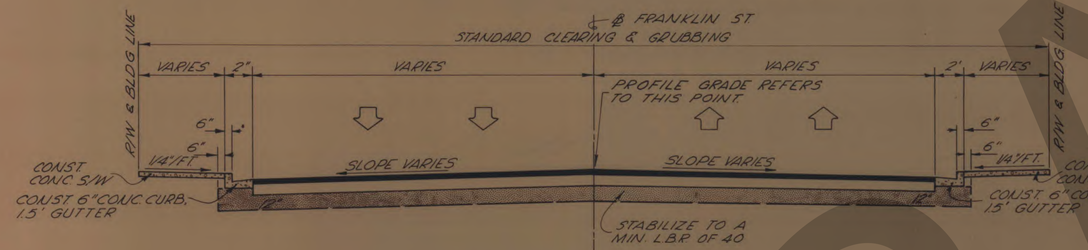


PART SECTION

PART SECTION

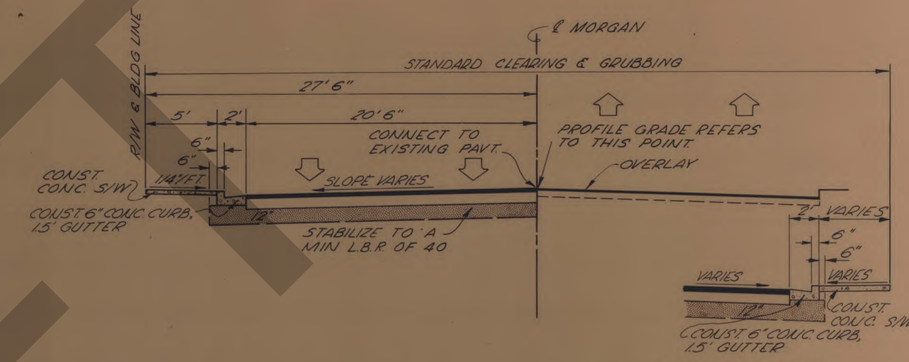
TYPICAL SECTION
TAMPA STREET

LIMEROCK BASE (9" THICK, DOUBLE COURSE PRIMED TYPE S-I ASPHALTIC CONCRETE (2" THICK) BOTTOM LAYER AND ASPHALTIC CONCRETE WEARING COURSE (1" THICK) TOP LAYER (ALTERNATES 1,2,3, OR 4). FOR ADDITIONAL DETAILS, SEE INDEX NO'S 1101, 5016, & 5080
DESIGN SPEED 35 M.P.H.



TYPICAL SECTION
FRANKLIN STREET

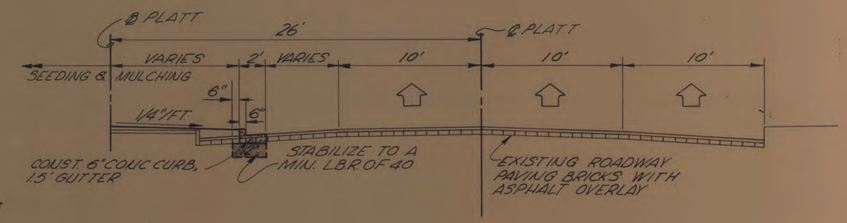
LIMEROCK BASE (9" THICK, DOUBLE COURSE) PRIMED TYPE S-I ASPHALTIC CONCRETE (2" THICK) BOTTOM LAYER AND ASPHALTIC CONCRETE WEARING COURSE (1" THICK) TOP LAYER (ALTERNATES 1,2,3, OR 4) FOR ADDITIONAL DETAILS, SEE INDEX NO'S 1101, 5016, & 5080
DESIGN SPEED 35 M.P.H.



PART SECTION

TYPICAL SECTION
MORGAN STREET

LIMEROCK BASE (9" THICK, DOUBLE COURSE) PRIMED TYPE S-I ASPHALTIC CONCRETE (2" THICK) BOTTOM LAYER AND ASPHALTIC CONCRETE WEARING COURSE (1" THICK) TOP LAYER (ALTERNATES 1,2,3, OR 4). FOR ADDITIONAL DETAILS, SEE INDEX NO'S. 1101, 5016, & 5080
DESIGN SPEED 35 M.P.H.



TYPICAL SECTION
PLATT STREET

DRAFT

AS BUILT
APRIL 21 1976

NO.	REVISION	BY	DATE

TAMPA-HILLSBOROUGH COUNTY EXPRESSWAY AUTHORITY

SOUTH CROSSTOWN EXPRESSWAY

TYPICAL SECTIONS

J. E. GREINER COMPANY — WATSON & COMPANY
CONSULTING ENGINEERS — TAMPA, FLORIDA

MADE JKP DATE 4-73 | TRACED ____ DATE ____
CHECKED MJB DATE 5-73 | SCALE ____

84/1

Contract No. 6

SECTION	CONTRACT	SOUTH CROSSTOWN EXPRESSWAY	SHEET NO.
	6		12
BY J.E.G.		TAMPA HILLSBOROUGH COUNTY EXPRESSWAY AUTHORITY	DATE:

STATE JOB NO. 10002-3506

BEGIN CONSTRUCTION
BEGIN STATE JOB NO. 10002-3506
STA. 548+72.00

BEGIN APPROACH SLAB
STA. 548+72.00

N 1,312,250 165
P.1
℄ CLEVELAND ST.
S. 89°-26'-38" E. 170
N. 85°-57'-14" E.
P.I. No. 1
P.4
CONST. 36' OF 18" PIPE
CONST. 1 TYPE D CURB
CONST. 20' 6" C.I. PIPE
TO BE REMOVED
CONST. 12' 6" C.I. PIPE
CONST. 60' OF 24" PIPE
CONST. 40' 6" C.I. PIPE
CONST. 24' OF 15" PIPE
CONST. 48' 6" C.I. PIPE
CONST. 4' CONC. SIDEWALK
CONST. 40' 6" C.I. PIPE
CONST. 35' 6" C.I. PIPE
BEGIN BRIDGE STA. 549+01.13
CONST. 30' 6" C.I. PIPE
BEGIN APPROACH SLAB @ C.I. STA. 548+92.25
N 313,000
CARDY ST.
N 11°-42'-04" W.
℄ BAYSHORE BLVD.
E. 351,250
E. 351,500
E. 351,750
E. 352,000
E. 352,250
E. 352,500
POT. STA. 350+12.44 ℄ PROJECT
POT. STA. 8+52.41 ℄ BAYSHORE BLVD.
STA. 168+06.69 ℄ BRORE IN ST.
STA. 10+00.00 ℄ BAYSHORE BLVD.
P.I. STA. 170+07.53 ℄ BRORE IN ST.
P.C.C.O. Spillway
Bridge Tender
Hillsboro River
1" = 50'
1-Sty. Mas. Comm.
1-Sty. Tin Shed
Sign
Shell
Parking Lot
2-Sty. Mas. Son. Sew. Pump Sta.
STA. 174+34.01 ℄ BRORE IN ST.
STA. 20+00.00 ℄ WATERS ST.
STA. 175+00.00 ℄ SURVEY
STA. 175+00.00 ℄ CONST.
175 ℄ CONST. BRORE IN ST.
℄ BRORE IN ST.
12" CMP (E-5)
Asphalt
(E-6)
(E-7)
Driveway
CONST. 41' 6" C.I. PIPE
CONST. 28' OF 6" C.I. PIPE
CONST. 18' OF 15" PIPE
N. 86°-24'-14" E.
CONST. 80' OF 15" PIPE
T.S. STA. 158+91.10
CONST. 34' OF 6" C.I. PIPE
CONST. 8' OF 6" C.I. PIPE
CONST. 36' OF 6" C.I. PIPE
555 Parking
T.S. STA. 555+40.97
℄ PROJECT
P.I. STA. 177+46.63 ℄ BRORE IN
TO BE REMOVED 24" CMP
Wall (S-4)
Lot (E-4)
CONST. 37' OF 6" C.I. PIPE
CONST. 64' OF 15" PIPE
CONST. 68' OF 15" PIPE
CONST. 56' OF 24" PIPE
CONST. 48' OF 24" PIPE
N 00°-21'-49" W.
℄ ASHLEY ST.
POT. STA. 177+17.57 ℄ BRORE IN ST.
POT. STA. 30+00.00 ℄ TAMPA ST.
POT. STA. 177+17.93 ℄ CONST. BRORE IN ST.
POT. STA. 29+96.84 ℄ TAMPA ST.
P.C. STA. 177+67.08
CONST. 20' OF 15" PIPE
R.C.C. STA. 178+78.01
CONST. 18' OF 15" PIPE
State Water Main Annex
P.T. STA. 179+37.08
CONST. 21' OF 6" C.I. PIPE
CONST. 66' OF 15" PIPE
CONST. 6" CIP
560+41.10
560
CURVE # 1
CONST. 38' OF C.I. PIPE
CONST. 104' OF 15" PIPE
CONST. 30' OF 6" C.I. PIPE
MATCH LINE STA. 562+00
S.C. STA. 559+70.91
POS. STA. 559+41.38 ℄ PROJECT
POT. STA. 28+83.25 TAMPA ST.
POS. STA. 556+10.82 ℄ PROJECT
POT. STA. 18+65.25 ℄ ASHLEY
℄ TAMPA ST.
N 21°-15'-31" W.
FOR PROFILES OF TAMPA ST. SEE SHEET NO. 37

CURVE NO. 1
P.I. STA. 561+21.31
Δ = 22°-1'-36.0"
D = 3°-00'-00"
R = 1909.86
LC = 288.78
T1 = 600.35
T2 = 600.35
LS1 = 450.00
S ANG 1 = 5°-45'-00"
TS1L = 300.22
TS1S = 150.00
LS2 = 450.00
S ANG 2 = 6°-45'-00"
TS2L = 300.22
TS2S = 150.20
SE = 0.07%

SURVEYED	DATE
PLOTTED	BY
TEMPLATE	
NOTE BOOK	
AREAS	
AREAS CHECKED	
NO.	

FINAL SURVEY

BM No 16
CUT EYE ON CURB
N.E. COR. PLATT &
BAYSHORE DR
EL. 5.730'

BM No 28
SQ CUT IN CATCH
BASIN LID, W SIDE OF
BAYSHORE 100' S
OF BRORE IN
EL 4.684

BM No 38
SQ CUT IN CATCH
BASIN LID, N SIDE
BRORE IN 100' W
OF BRIDGE
EL 5.176'

BM No 18
SQ CUT IN CURB S.E.
COR OF WATERS AVE
& BRORE IN ST
EL 3.809

BM No 124
SQ CUT IN CURB N.W.
COR OF FRANKLIN ST
& BRORE IN ST
EL 13.222'

BEGIN CONSTRUCTION
BEGIN STATE JOB NO 10002-3506
STA 548+72.00

UTILITY OWNERS
1- TAMPA ELECTRIC CO.
2- PEOPLES GAS CO.
3- GENERAL TELEPHONE CO.
4- CITY OF TAMPA WATER DEPT.
5- CITY OF TAMPA FIRE DEPT.
6- CITY OF TAMPA SANITARY SEWERS

GENERAL NOTES

1. B.M. DATUM USC & GS.
2. ALL EXISTING DRAINAGE STRUCTURES WITHIN LIMITS OF CONSTRUCTION ARE TO BE MAINTAINED UNLESS OTHERWISE NOTED.
3. FOR LIMITED ACCESS LINE & RIGHT-OF-WAY GEOMETRY, SEE RIGHT-OF-WAY MAPS.
4. ALL BUILDINGS WITHIN THE LIMITS OF RIGHT OF WAY WILL BE REMOVED BY OTHERS.
5. PARCEL 135.1-R (TAMPA ARMATURE WORK) WILL NOT BE AVAILABLE TO THE CONTRACTOR UNTIL OCTOBER 31, 1974. NO WORK MAY BEGIN ON THIS PARCEL UNTIL WRITTEN AUTHORIZATION IS GIVEN BY THE ENGINEER.
6. A U.S. COAST GUARD NAVIGATIONAL PERMIT IS REQUIRED FOR CONSTRUCTION WITHIN THE LIMITS OF THE HILLSBOROUGH RIVER. THE TAMPA-HILLSBOROUGH COUNTY EXPRESSWAY AUTHORITY HAS APPLIED FOR THE PERMIT AND EXPECTS TO RECEIVE IT PRIOR TO THE CONTRACTOR BEGINNING CONSTRUCTION. SHOULD THE PERMIT BE DELAYED BEYOND THE BEGINNING OF CONSTRUCTION A CONTRACT TIME EXTENSION EQUAL TO THE DAYS OF DELAY WILL BE GRANTED. IF SUCH A DELAY OCCURS THE PORTION OF BRIDGE AFFECTED WILL BE THE FENDER SYSTEM, WATER PIERS AND ADJACENT SUPERSTRUCTURE WHICH INCLUDE PIERS 4, 5, 6 AND 7, EASTBOUND AND WESTBOUND AND SPANS 4, 5, 6, 7 AND 8, EASTBOUND AND WESTBOUND.

PROFILE GRADE
21' Lt & Rt of ℄ PROJECT
+2.00000%
-0.5000%
PVI STA 550+00
EL 44.00
PVI STA 554+00
EL 41.00
PVC STA 560+50.00
EL 43.95
PVI STA 562+00.00
EL 43.00
400' V.C.
300' V.C.
4432
4459
4630
4675
4705
4719
4717
4845
4807
4859
8" Water Line
30" San. Sewer
8" WATER
FL 8.00
CONST 18" PIPE
FL 4.12
FL 1.18
T-60" San. Sewer
Existing Ground
CONST 15" PIPE
8" Water Main
CONST 15" PIPE

AS BUILT
APRIL 21 1976

Contract No. 6

84
1

SECTION	CONTRACT	SOUTH CROSSTOWN EXPRESSWAY	SHEET NO.
	6		19
BY JEG	TAMPA HILLSBOROUGH COUNTY EXPRESSWAY AUTHORITY		DATE:

STATE JOB No. 10002-3506

FINAL SURVEY	DATE
SURVEYED	
PLOTTED	
TEMPLATE	
NOTE BOOK	
AREAS	
AREAS CHECKED	
NO.	

ORIGINAL SURVEY	BY
SURVEYED	
PLOTTED	
TEMPLATE	
NOTE BOOK	
AREAS	
AREAS CHECKED	
NO.	

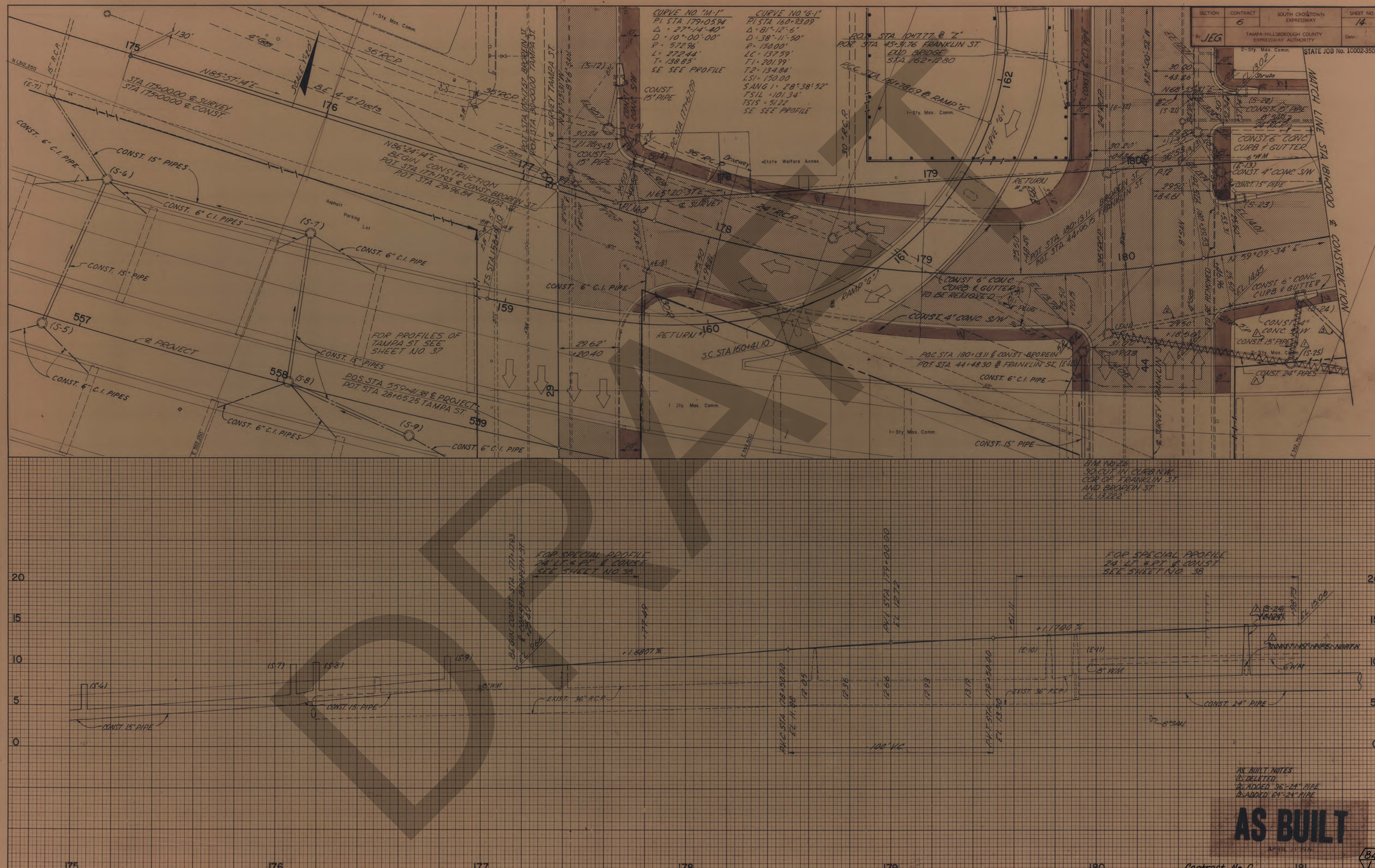
AS BUILT NOTES
1. DELETED
2. ADDED 96'-24" PIPE
3. ADDED 64'-24" PIPE

AS BUILT

APRIL 21 1970

Contract No. 6

84/1



SECTION
CONTRACT 6
SOUTH CROSSTOWN EXPRESSWAY
SHEET NO. 14
By JEG
TAMPA-HILLSBOROUGH COUNTY EXPRESSWAY AUTHORITY
Date
STATE JOB No. 10002-3506
CURVE NO. "M-1"
P.I. STA. 179+05.94
Δ = 27°-14'-40"
D = 10°-00'-00"
R = 572.96'
L = 272.44'
T = 138.85'
SE SEE PROFILE
CURVE NO. "G-1"
P.I. STA. 160+93.09
Δ = 81°-12'-6"
D = 38°-11'-50"
R = 150.00'
LC = 137.59'
T1 = 201.99'
T2 = 134.84'
LS1 = 150.00
S ANG 1 = 28°-38'-52"
TS1L = 101.34'
TS1S = 51.22
SE SEE PROFILE
P.O.T. STA. 10+17.77 ℄ "Z"
P.O.T. STA. 45+31.76 FRANKLIN ST.
END BRIDGE
STA. 162+12.80
P.C.C. STA. 161+78.69 ℄ RAMP "G"
N85°57'14"E
STA. 175+00.00 ℄ SURVEY
STA. 175+00.00 ℄ CONST.
N86°24'14"E
BEGIN CONSTRUCTION
P.O.T. STA. 177+17.93 ℄ CONST. BROREIN ST.
P.O.T. STA. 29+96.84 TAMPA ST.
FOR PROFILES OF TAMPA ST. SEE SHEET NO. 37
P.O.S. STA. 559+41.38 ℄ PROJECT
P.O.T. STA. 28+65.25 TAMPA ST.
℄ PROJECT
℄ SURVEY
℄ RAMP "G"
S.C. STA. 160+41.10
P.O.C. STA. 180+13.11 ℄ CONST. BROREIN
P.O.T. STA. 44+48.30 ℄ FRANKLIN ST.
CONST. 6" C.I. PIPE
CONST. 15" PIPES
CONST. 15" PIPE
CONST. 6" C.I. PIPES
CONST. 6" CONC. CURB & GUTTER TO BE REMOVED
CONST. 4" CONC. S/W
CONST. 24" PIPES
CONST. 6" CONC. CURB & GUTTER
MATCH LINE STA. 181+00.00 ℄ CONSTRUCTION
N 59°09'34" E
State Welfare Annex
Asphalt Parking Lot
1-Sty. Mas. Comm.
2-Sty. Mas. Comm.
B.M. No. 26
SQ. CUT IN CURB N.W. COR. OF FRANKLIN ST. AND BROREIN ST.
EL. 13.222'
FOR SPECIAL PROFILE 24' LT. & RT. ℄ CONST. SEE SHEET NO. 38
BEGIN CONST. STA. 177+17.93 ℄ CONST. BROREIN ST.
P.V.I. STA. 179+00.00 EL. 12.72
P.V.C. STA. 178+50.00 EL. 11.88
P.V.T. STA. 179+50.00 EL. 13.30
+1.6807%
+1.1700%
100' V.C.
EXIST. 36" R.C.P.
CONST. 15" PIPE
CONST. 24" PIPE
8" WM
6" WM
8" SAN
AS BUILT NOTES
1. DELETED
2. ADDED 96'-24" PIPE
3. ADDED 64'-24" PIPE
AS BUILT
APRIL 21 1974
Contract No. 6
84
FINAL SURVEY
NOTE BOOK
NO.
SURVEYED
PLOTTED
TEMPLATE
AREAS
AREAS CHECKED
DATE
ORIGINAL SURVEY
NOTE BOOK
NO.
SURVEYED
PLOTTED
TEMPLATE
AREAS
AREAS CHECKED
BY
DATE

SECTION	CONTRACT	SOUTH CROSSTOWN EXPRESSWAY	SHEET NO.
	6		15
By JEG	TAMPA-HILLSBOROUGH COUNTY EXPRESSWAY AUTHORITY		Date:

STATE JOB No. 10002-3506

SCALE 1"=20'

CURVE NO. "M-2"
P.I. STA. 183+68.10
Δ = 9°-47'-09"
D = 5°00'00"
R = 1,145.92'
L = 195.71'
T = 98.10'
S.E. - SEE PROFILE

CURVE NO. "I"
P.I. STA. 64+58.85
Δ = 6°-18'-51"
D = 4°-0'-0"
R = 1432.39'
L = 157.85'
T = 79.01'
S.E. SEE PROFILE

CURVE NO. "I-1"

FOR PROFILES OF ℄ "Z" SEE SHEET NO. 36

FOR PROFILES ON RAMP "I" SEE SHEET NO. 35

MATCH LINE STA. 181+00.00 & CONSTRUCTION

MATCH LINE STA. 187+00.00 & CONSTRUCTION

N 1,319,500

E 552,200

E 553,000

E 553,250

MATCH EXISTING PAV'T, CURB & GUTTER

10' CURB TRANS. TO MATCH EXIST.

℄ SCL. R.R. TRACKS TO BE REMOVED

10' CURB TRANS. TO MATCH EXIST.

POT. STA. 12+96.11 ℄ "Z"
POT. STA. 10+20.32 FLORIDA AVE.

POT. STA. 182+88.30 BROREIN ST.
POT. STA. 10+00.00 FLORIDA AVE.

PT STA 184+53.72 & CONST BROREIN ST STA 184+53.72 & "Z" 24" LT

RETURN # 4
Shell & Dirt Parking Lot

RETURN "3"

RETURN "I"

2-Sty. Mas. Comm.

2-Sty. Mas. Warehouse Comm.

1-1/2-Sty. Tin Comm.

1-Sty. Tin Mot. Comm.

1-Sty. Tin Gar.

Shell Parking Lot

Asph. Parking Lot

Driveway

Shrubs

10" Palms

TO BE REMOVED

CONST. 6" CONC. CURB & GUTTER

CONST. 4" CONC. S/W

CONST. 4" CONC. S/W

CONST. 6" CONC. CURB & GUTTER

CONST. 6" CONC. CURB & GUTTER

CONST. 6" CONC. CURB & GUTTER

CONST. TYPE "B" FENCE

CONST. 2000' OF GUARDRAIL

CONST. 175.0' OF GUARDRAIL

CONST. 24" PIPE

CONST. 18" PIPE

CONST. 15" PIPE

CONST. 6" Cl. PIPE

EXIST. 24" R.C.P.

EXIST. 18" R.C.P.

EXIST. 15" R.C.P.

CONST 24" PIPE

CONST. 24" PIPE

6" W.M.

8" W.M.

6" San.

8" San.

POT STA 8+86.96 FLORIDA AVE.
P.O.C. STA. 65+14.06 ℄ RAMP "I"

POT STA. 65+37.69

END BRIDGE STA. 66+27.04

POC STA. 182+95.49 & CONST. BROREIN ST.
POT STA. 9+83.90 FLORIDA AVE.

℄ RAMP "I" SHIFTS 15.5' RT. STA. 67+95.96

℄ SURVEY
℄ CONSTRUCTION BROREIN ST.

N 59°-09'-34" E

N 59°-3'-58" E

N 63°-20'-37" E

N 68°-35'-31" E

N 68°-36'-42" E

PROFILE GRADE ℄ CONSTRUCTION BROREIN ST.

+0.20000%

+1.11700%

PAVT. STA. 181+50.00
EL. 15.65

PAVT. STA. 182+30.00
EL. 16.31

PAVT. STA. 183+00.00
EL. 16.53

EL. 15.06

EL. 16.23

FOR SPECIAL PROFILE 20' LT. & RT. ℄ CONST., SEE SHEET NO. 38

PAVT. STA. 183+50.00
EL. 16.53

EL. 16.99

EL. 16.11

EL. 16.78

EL. 16.23

EL. 16.31

EL. 16.33

EL. 16.09
PAVT. STA. 183+00.00
EL. 16.53

EL. 16.23

49.51

100' V.C.

20' Sym.

20

15

10

5

0

181

182

183

184

185

186

187

Contract No. 6

AS BUILT

APRIL 19 19 84

ORIGINAL SURVEY
NOTE BOOK
NO
SURVEYED
PLOTTED
TEMPLATE
AREAS
AREAS CHECKED
BY
DATE

FINAL SURVEY
NOTE BOOK
NO
SURVEYED
PLOTTED
TEMPLATE
AREAS
AREAS CHECKED
BY
DATE

SECTION	CONTRACT	SOUTH CROSSTOWN EXPRESSWAY	SHEET NO.
	6		16
By JEG	TAMPA-HILLSBOROUGH COUNTY EXPRESSWAY AUTHORITY		Date:

STATE JOB No. 1C002-3506

SCALE 1"=20'

FOR CONSTRUCTION DETAILS EAST OF MORGAN ST.- SEE CONTRACT No. 6-A SHEET No. 5 of 27

N 1,312,750

E 553,250

E 550,720

MATCH LINE STA. 187+00.00 ℄ CONSTRUCTION

P.O.C. STA. 187+85.15 ℄ SURVEY BROREIN
P.O.T. STA. 0+00.00 ℄ SURVEY MORGAN ST. EX.
P.O.T. STA. 188+85.52 ℄ SURVEY MORGAN ST. PROPOSED
12° TURN @ 5
10' CURB TRANS. TO MATCH EXIST.

P.O.C. STA. 188+98.26 ℄ CONST. BRORIEN ST.
P.O.T. STA. 188+89.79 MORGAN ST.

P.O.T. STA. 0+00.00 ℄ SURVEY CUMBERLAND
P.O.T. STA. 189+88.52 ℄ SURVEY MORGAN

℄ SURVEY CUMBERLAND

P.T. STA. 189+93.24

EXISTING CURB TO REMAIN

1-Sty. Mas. Church

Driveway

CONST. 18" PIPE

CONST. 6" CONC. SW.

CONST. 6" CONC. CURB & GUTTER

(S-40)

(S-42) CONST. 15" PIPE

(S-43)

8" San. ℄ SURVEY

N 68°-56'-42" E

187

188

189

P.C. STA. 187+53.77

10' GUTTER TRANS.

CURVE No. M-3

P.I. No. 10

6" MM

SW = 3%

CONST. TYPE "E" CURB & GUTTER

N. 59°-13'-58" E.

70

CONST. 6" CONC. SW.

CONST. TYPE "B" FENCE

CONST. 6" CONC. CURB & GUTTER

(S-41) CONST. 15" PIPE

Asph. Blk., Dirt & Shl Parking Lot

2-Sty. Mas. Comm.

1-Sty. Tin & Mas. Comm.

8" WM

22' 55.00 22' 55.00

22' 56.05

22' 56.00

CURVE NO "M-3"
P.I. STA. 188+13.69
Δ = 5°-59'-13"
D = 5°-00'-00"
R = 1,145.92'
L = 119.74'
T = 59.92'
S.E. - SEE PROFILE

CURVE NO "M-4"
P.I. STA. 189+33.43
Δ = 5°-59'-13"
D = 5°-00'-00"
R = 1,145.92'
L = 119.74'
T = 59.92'
S.E. - SEE PROFILE

FOR PROFILES OF MORGAN ST. SEE SHEET No.s 36 & 37

BM No. 45
30' CUT IN CURB N.W. COR. OF MORGAN ST. & BRORIEN ST.
EL. 17.345'

PROFILE GRADE & CONSTRUCTION BRORIEN ST.

+0.20000%

(S-40) (S-42) (S-43)

6" MM 8" WM

6" San.

CONST. 18" PIPE

CONST. 15" PIPE

20 15 10 5 0

187 188 189

AS BUILT

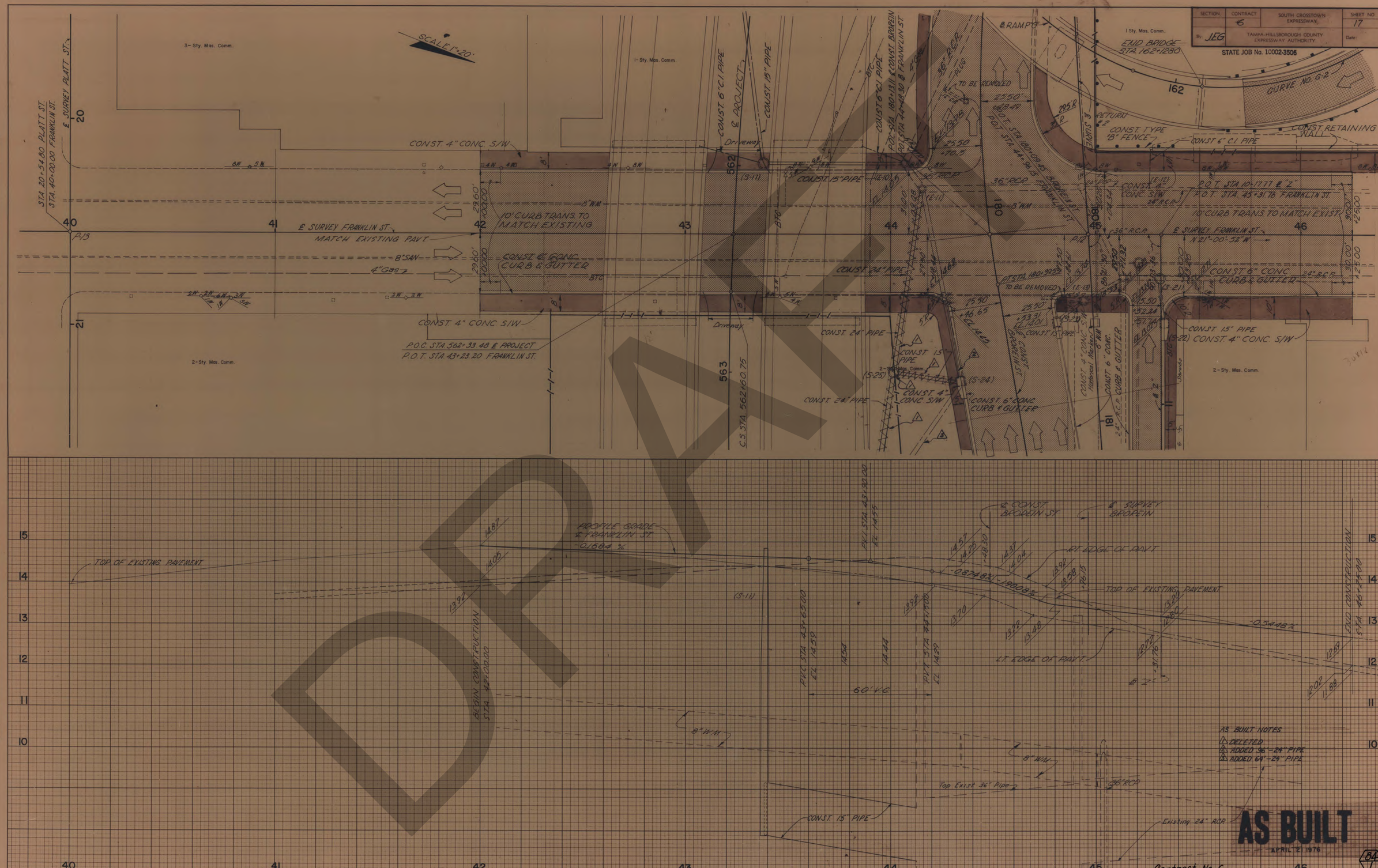
Contract No. 6 APRIL 21 1976

84

FINAL SURVEY — SURVEYED, PLOTTED, TEMPLATE, AREAS, AREAS CHECKED — NOTE BOOK — NO — DATE — BY

ORIGINAL SURVEY — SURVEYED, PLOTTED, TEMPLATE, AREAS, AREAS CHECKED — NOTE BOOK — NO — DATE — BY

DRAFT


SECTION
CONTRACT 6
SOUTH CROSSTOWN EXPRESSWAY
SHEET NO. 17
By: JEG
TAMPA-HILLSBOROUGH COUNTY EXPRESSWAY AUTHORITY
Date:
STATE JOB No. 10002-3506
SCALE 1"=20'
3-Sty. Mas. Comm.
1-Sty. Mas. Comm.
2-Sty. Mas. Comm.
END BRIDGE STA. 162+1280
CURVE NO. G-2
CONST. TYPE "B" FENCE
CONST. RETAINING WALL
CONST. 6" C.I. PIPE
CONST. 4" CONC. S/W
CONST. 15" PIPE
CONST. 24" PIPE
10' CURB TRANS. TO MATCH EXISTING
MATCH EXISTING PAVT.
CONST. 6" CONC. CURB & GUTTER
P.O.C. STA. 562+33.48 ℄ PROJECT
P.O.T. STA. 43+23.20 FRANKLIN ST.
STA. 20+54.80 PLATT ST.
STA. 40+00.00 FRANKLIN ST.
℄ SURVEY PLATT ST.
℄ SURVEY FRANKLIN ST.
℄ RAMP G
TO BE REMOVED
P.O.T. STA. 10+17.77 ℄ Z
P.O.T. STA. 45+31.78 FRANKLIN ST.
℄ SURVEY FRANKLIN ST.
N 21°-00'-52" W
C.S. STA. 562+60.75
PROFILE GRADE ℄ FRANKLIN ST.
-0.1684 %
TOP OF EXISTING PAVEMENT
BEGIN CONSTRUCTION STA. 42+00.00
PVC STA. 43+65.00 EL. 14.59
PVT STA. 44+15.00 EL. 14.29
60' V.C.
℄ CONST. BROREIN ST.
℄ SURVEY BROREIN
RT. EDGE OF PAVT.
LT. EDGE OF PAVT.
END CONSTRUCTION STA. 46+25.00
-0.5448 %
8" W.M.
Top Exist. 36" Pipe
36" RCP
Existing 24" RCP
CONST. 15" PIPE
AS BUILT NOTES
1 DELETED
2 ADDED 36"-24" PIPE
3 ADDED 64"-24" PIPE
AS BUILT
APRIL 2, 1976
Contract No. 6
84
DRAFT

DIST.	COUNTY	ROUTE	SHEET NO.
12	8	SOUTH CROSSBRANCH EXPRESSWAY	18
STATE		FEDERAL AID PROJECT NO.	
12			

STATE JOB No. 10002-3506

Shell Park. Lot

SCALE 1"=20'

10' CURB TRANS. TO MATCH EXISTING

MATCH EXIST. PAVT. STA. 10+80.00

CONST. 4" CONC. S/W

P.O.T. STA. 10+00.00 FLORIDA AVE.

P.O.T. STA. 10+32.30 BROADEN ST.

RETURN #4

Shell & Dirt Park. Lot

MATCH EXISTING CURB

E SURVEY PLATT ST.

2-Sty. Mas. Comm.

CONST. 6" CONC. CURB & GUTTER

CONST. 4" CONC. S/W

1-Sty. Tin Comm.

P.O.T. STA 7+40.12 FLORIDA AVE.

P.O.T. STA 5+12.42 RAMP 'H'

STA 23+33.54 PLATT ST.

STA 4+88.46 FLORIDA AVE.

E SURVEY FLORIDA AVE

N 21°-03'-58" W

STA 7+32.43 FLORIDA AVE.

STA 10+00.00 E.DUNCE ST.

CONST. 4" CONC. S/W

10' TAPER

CONST. 6" CONC. CURB & GUTTER

12" Gate

CONST. TYPE 'B' FENCE

N 68°-56'-34" E

E RAMP 'H'

E CURVE NO. H-2

"H-2"

CONST. 18" PIPE

CONST. 6" CONC. CURB & GUTTER

CONST. 15" PIPE

(S-45)

24" OAK

SEE NOTE, SHEET NO. 21

1-Sty. Mas. Comm.

P.O.T. STA 13+37.00 E 'H'

6"W.L.D. 8" San.

N 72°-33'-22" E

N 68°-53'-42" E

TO BE REMOVED

EXIST. M.H.E PIPE TO BE REMOVED

15" RCP

CONST. 18" PIPE (S-44)

CONST. 6" C.I. PIPE

TO BE REMOVED

1-Sty. Mas. Comm.

E PROJECT

CONST. 18" PIPE

1-Sty. Mas. Comm.

P.O.T. STA. 8+45.24 FLORIDA AVE.

P.O.S. STA 365+21.17 E PROJECT

P.O.T. STA 8+86.98 FLORIDA AVE.

P.O.C. STA 65+40.0 RAMP 'I'

C.L. CURVE NO. I-1

1-1/2 Sty. Tin Comm.

P.O.T. STA 182+59.44 CONST. BROKEN

P.O.T. STA 9+39.90 FLORIDA AVE.

RAMP 'I' RETURN #3

CONST. 6" CONC. CURB & GUTTER

35°

P.I. No. 9 (S-29)

P.C. STA. 182+70.81

N 21°-03'-58" W

E SURVEY FLORIDA AVE

CONST. 15" PIPE

24" RCP

8" San.

Driveway

10' CURB TRANS. TO MATCH EXISTING

(S-28) 18" RCP

(E-16)

CONST. 6" C.I. PIPE

PT. STA. 65+37.69

CONST. 15" PIPE

Asph. Park. Lot

(S-32)

CONST. TYPE 'B' FENCE

CONST. 6" CONC. CURB & GUTTER

70 LF REMOVED

(S-31)

CONST. 6" CONC. CURB & GUTTER

CONST. 4" CONC. S/W

P.O.T. STA 12+56.11

P.O.T. STA 10+80.32 FLORIDA AVE.

565

566

5

6

7

8

9

10

11

12

13

65

66

83

84

FINAL SURVEY — SURVEYED, PLOTTED, TEMPLATE, AREAS CHECKED — NOTE BOOK — NO. — DATE

ORIGINAL SURVEY — SURVEYED, PLOTTED, NOTE BOOK, AREAS CHECKED — NO. — BY — DATE

BEGIN CONST. STA 4+88.46

EXISTING TOP OF PAVT.

PROFILE GRADE ZRT E SURVEY FLORIDA AVE.

Lt. EDGE OF PAVT. ON 10:1 TAPER

Lt & Rt EDGE OF PAVT.

Rt EDGE OF PAVT.

EXIST. TOP OF PAVT.

(S-46)

(S-45)

(S-44)

(S-28)

(S-30)

EXIST. 15" R.C.P.

CONST 15" PIPE

CONST 18" PIPE

8" W.L.M.

EXIST. 18" R.C.P.

EXIST. 24" R.C.P.

P.V.I. STA 9+00.00 EL 15.96

P.V.I. STA 9+40.00 EL 16.17

P.V.I. STA 10+00.00 EL 16.10

P.V.I. STA 10+60.00 EL 16.25

P.V.I. STA 10+80.00 CONNECT TO EXIST

P.V.C. STA 9+00.00 EL 15.92

P.V.T. STA 10+80.00 EL 16.42

1600

1600

1600

1600

40' V.C.

35' V.C.

+0.60%

-0.60%

+0.42%

-0.42%

CONST. SKIMPSTN

AS BUILT

APRIL 21 1976

Contract No. 6

84

SECTION	CONTRACT	SOUTH CROSSTOWN EXPRESSWAY	SHEET NO.
	6		19
By: JEG		TAMPA-HILLSBOROUGH COUNTY EXPRESSWAY AUTHORITY	Date:

STATE JOB No. 10002-3506

1" = 50'

℄ SURVEY WHITING ST.
STA. 36+30.54 TAMPA ST.
STA 10+00.00 WHITING ST.
ST. STA 167+70.71 ℄ RAMP "G"
C.S. STA 166+70.71 ℄ RAMP "G"
RAILS TO BE REMOVED WITHIN LIMITS OF R/W
CONST. TYPE "D" CURB
CONST 4' CRUC ST. W.
CONNECT TO EXIST. FENCE
CONST. 186' OF 18" PIPE
℄ RAMP "G" SHIFTS 11.5' RT.
STA. 164 +19.66
TO BE REMOVED
CONST. 30' OF 15" CM PIPE
CONST. 80' OF 24" PIPE (SPECIAL)
1 CONC. END SECT. 18" PIPE TO BE REMOVED
CONST. 86' OF 18" PIPE TO BE REMOVED
END BRIDGE STA 168+14.28
N 21°-00'-57" W
℄ FRANKLIN ST.
℄ SCLRR
POT STA 180+09.45 BRORIEN ST.
POT STA 44+96.15 FRANKLIN ST.
PI STA 182+54.16 ℄ BRORIEN ST.
CONST. 20' OF 15" PIPE
Driveway
POT STA 10+17.77 ℄ "Z"
POT STA 45+31.76 FRANKLYN ST.
POT STA 12+96.11 ℄ "Z"
POT STA 10+20.32 FLORIDA AVE.
CONST 48' OF 15" PIPE
CONST 4' OF 15" PIPE
CONST. 212' OF 24" PIPE
CONST. 194' OF 24" PIPE
CONST. 136' OF 18" PIPE
CONST. 52' OF 15" PIPE
CONST. 31' OF 15" PIPE
CONST. 48' OF 15" PIPE
CONST. 128' OF 18" PIPE
CONST. 116' OF 18" PIPE
CONST. 122' OF 18" PIPE
CONST. 60' OF 18" PIPE
CONST. 64' OF 24" PIPE
CONST. 68' OF 6" C.I. PIPE
CONST. 70' OF 6" C.I. PIPE
CONST. 60' OF 6" C.I. PIPE
CONST. 38' OF 6" C.I. PIPE
CONST. 100' OF 6" C.I. PIPE
CONST. 36' OF 6" C.I. PIPE
CONST. 37' OF 6" C.I. PIPE
CONST. 39' OF 6" C.I. PIPE
CONST. 87' OF 6" C.I. PIPE
CONST. 30' OF 6" C.I. PIPE
CONST. 104' OF 15" PIPE
CONST. 30' OF 6" C.I. PIPE
CONST. 60' OF 15" PIPE
CONST. 36' OF 6" C.I. PIPE
CONST. 68' OF 15" PIPE
CONST. 44' OF 24" PIPE
CONST. 38' OF 15" PIPE
CONST. 100' OF 18" PIPE
CONST. 208' OF 18" PIPE
CONST. 68' OF 15" PIPE
CONST. 51' OF 15" PIPE
CONST. 19' OF 15" PIPE
POT STA 8+45.24 FLORIDA AVE
POS STA 562+60.76
POT STA 562+33.48 ℄ PROJECT
POT STA 13+23.20 FRANKLIN ST
POS STA 559+41.38 ℄ PROJECT
POT STA 28+63.25 TAMPA ST.
POT STA 177+46.63 ℄ BRORIEN ST.
POT STA 177+17.57 BRORIEN ST.
POT STA 29+96.84 TAMPA ST.
POT STA 177+17.93 ℄ CONST. BRORIEN ST.
POT STA 29+96.84 TAMPA ST.
POT STA 180+19.11 ℄ CONST. BRORIEN
POT STA 44+48.30 ℄ FRANKLIN
PCC STA 46+78.69
RAMP "G"
PC STA 177+87.09
POT STA 182+65.72 ℄ CONST. BRORIEN
POT STA 182+83.90 FLORIDA AVE.
POT STA 182+88.30 BRORIEN ST.
POT STA 10+00.00 FLORIDA AVE.
POT STA 65+67.69
POT STA 65+14.06 RAMP "I"
POT STA 8+66.96 FLORIDA AVE.
POT STA 7+40.12 FLORIDA AVE.
POT STA 5+12.42 RAMP "H"
POT STA 13+37.00 ℄ "H"
POT STA 7+32.43 FLORIDA
STA 10+00.00 EUNICE
POT STA 65+67.69
POT STA 10+00.00 ℄ SURVEY CUMBERLAND
POT STA. 189+88.52 ℄ SURVEY MORGAN
POT STA 10+00.00 ℄ SURVEY CUMBERLAND
POT STA. 189+88.52 ℄ SURVEY MORGAN
℄ SURVEY CUMBERLAND AVE.
PC STA 187+53.77
CURVE CM-4
CURVE CM-3
℄ SURVEY BRORIEN
CONSTRUCTION BRORIEN ST.
℄ RAMP "I"
END BRIDGE STA 66+27.04
END CONSTRUCTION STA 567+63.36
END STATE JOB NO. 10002-3506
SS STA 567+10.75
℄ RAMP "I"
STA 67+95.96
LEAD BRIDGE STA 7+50.00
LEAD BRIDGE STA 6+46.07
POC STA 10+53.82
℄ RAMP "H"
CURVE "H-3"
POC STA 31+60.81 ℄ RAMP "H-1"
POT STA 29+09.41 PLATT ST.
PT STA 189+93.24
POC STA 188+93.26 ℄ CONST. BRORIEN ST.
POT STA 188+89.79 MORGAN ST.
POT STA 188+85.15 ℄ SURVEY BRORIEN
POT STA 10+00.00 ℄ SURVEY MORGAN ST. BK.
POT STA 188+85.15 ℄ SURVEY MORGAN ST. AH.
POT STA 7+16.87 RAMP "F"
POT STA 9+73.19 MORGAN ST.
STA. 7+61.55 MORGAN ST.
STA. 10+00.00 EUNICE ST.
℄ E. EUNICE ST.
STA. 7+32.99 MORGAN ST. AH.
STA. 10+00.00 MORGAN ST. BK.
STA. 15+96.71 EUNICE ST.
STA. 29+29.82 PLATT ST.
STA. 7+55.52 MORGAN ST.
PT STA 32+04.09 ℄ "H-1"
CONST. 6' OF 15" PIPE
SEE SHEET 21 FOR MORE DETAILS OF RAMP "H" & "H-1"
SEE SHEET 18 FOR MORE DETAILS OF FLORIDA AVE.
SEE SHEET 15 FOR MORE DETAILS OF BRORIEN ST. & RAMP "I"
SEE SHEET 20 FOR MORE DETAILS OF TAMPA ST. & RAMP "G"
FOR PROFILES OF TAMPA ST., SEE SHEET NO. 37
FOR PROFILES OF MORGAN ST., SEE SHEET NO.S 36 & 37
SEE SHEET 17 FOR MORE DETAILS OF FRANKLIN ST
SEE NOTE, SHEET NO 21
POC STA 562+33.48 ℄ PROJECT
POT STA 13+23.20 FRANKLIN ST
EXISTING BRIDGE TO BE REMOVED
℄ SCL RR
℄ PLATT ST.
STA 23+33.54 PLATT ST.
STA 4+86.40 FLORIDA AVE.
STA 20+34.80 PLATT ST.
STA 40+00.00 FRANKLIN
N 68°-56'-54" E
N 85°-57'-14" E
N 86°-24'-14" E
N 72°-53'-15" E
N 68°-53'-48" E
S 65°-28'-54" E
S 65°-28'-54" E
N 1,312,750
N 1,312,500
N 1,312,250
N 1,312,000
E 352,250
E 352,500
E 352,750
E 353,000
E 353,250
E 353,500
E 353,750
Asphalt Park Lot
Dirt Lot
Auto Junk Yard
Parking Lot
Shed Comm.
Sery Sta.
Church
Mas. Comm.
Tin Comm.
C.B. Comm.
Brick Comm.
Historical Marker
Water Annex
Fish Mcs
Sery Sta.
Tin & Mas. Whse
Mas. Whse
Tin Comm.
Mas Comm.
Brick Comm.
Asphalt
Parking
Lot
Drive
Curve #1
Curve #2
Curve #3
Curve #4
Curve #5
Curve #6
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AS BUILT NOTES			
1	DELETED	B.B.	7/76
2	ADDED 96'-24" PIPE & 64'-24" PIPE	B.B.	7/76
NO.	REVISION	BY	DATE

TAMPA - HILLSBOROUGH COUNTY EXPRESSWAY AUTHORITY

SOUTH CROSSTOWN EXPRESSWAY

INTERCHANGE LAYOUT

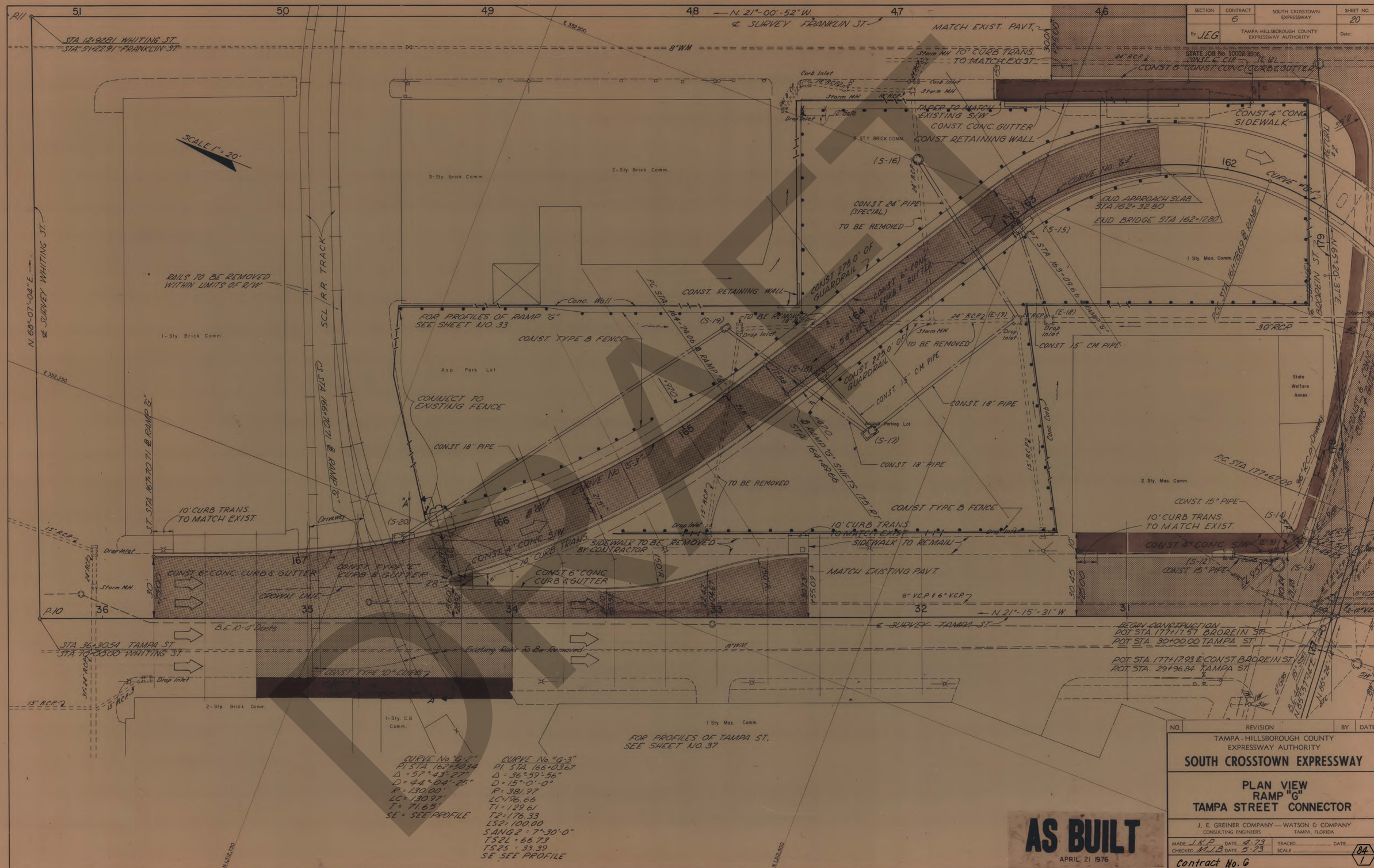
J. E. GREINER COMPANY — WATSON & COMPANY
CONSULTING ENGINEERS TAMPA, FLORIDA

MADE J.J.W. DATE TRACED DATE
CHECKED M.J.B. DATE 5/73 SCALE

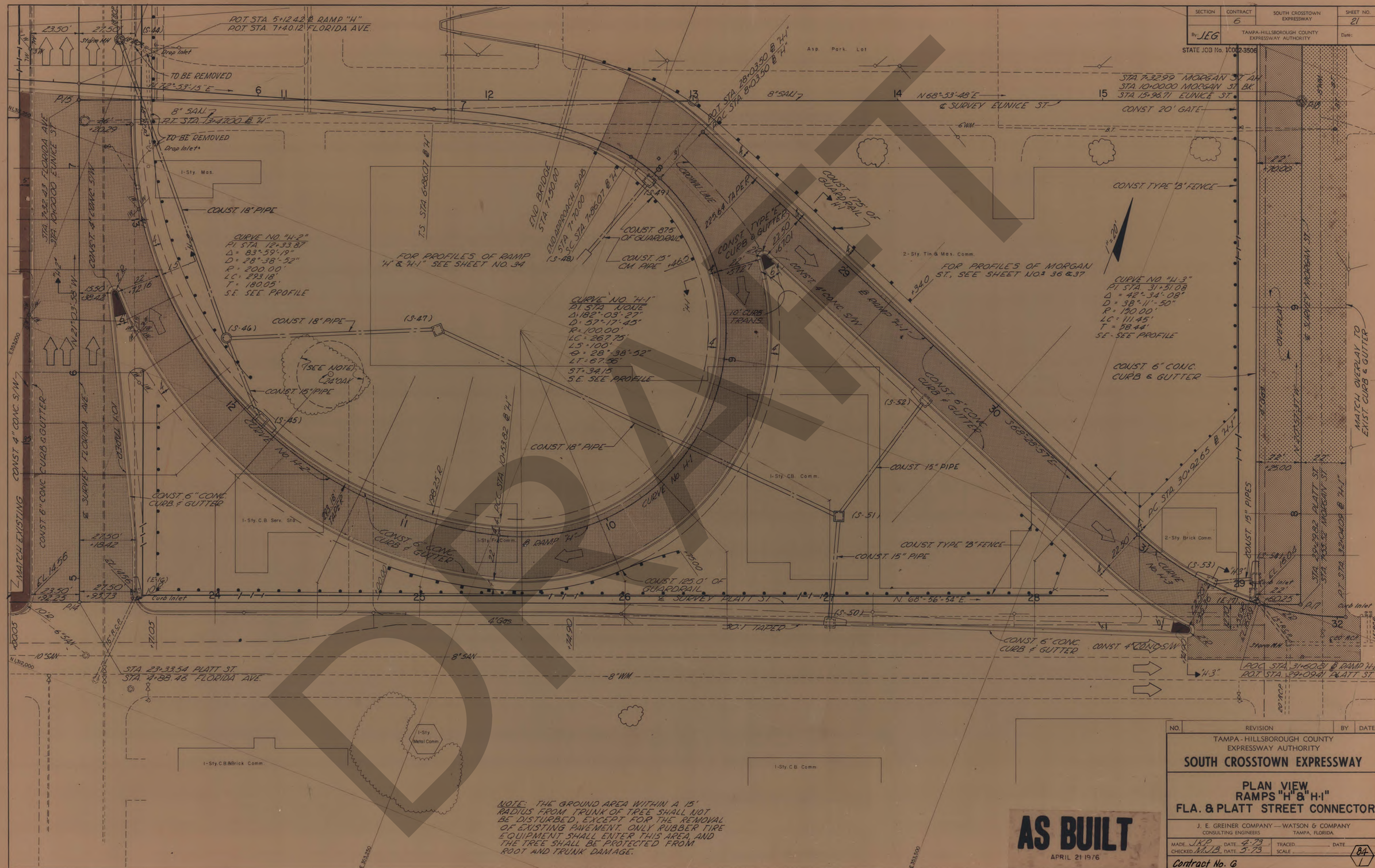
84/1

Contract No. 6

AS BUILT
APRIL 21, 1976



SECTION
CONTRACT 6
SOUTH CROSSTOWN EXPRESSWAY
SHEET NO. 20
By: J.E.G.
TAMPA-HILLSBOROUGH COUNTY EXPRESSWAY AUTHORITY
Date:
STATE JOB No. 10002-3506
N. 21°-00'-52" W.
℄ SURVEY FRANKLIN ST.
STA. 12+92.81 WHITING ST.
STA. 51+22.91 FRANKLIN ST.
MATCH EXIST. PAVT.
10' CURB TRANS. TO MATCH EXIST.
CONST. 6" CONST. CONC. CURB & GUTTER
SCALE 1" = 20'
3-Sty. Brick Comm.
2-Sty. Brick Comm.
2-STY. BRICK COMM.
TAPER TO MATCH EXISTING S/W
CONST. CONC. GUTTER
CONST. RETAINING WALL
CONST. 4" CONC. SIDEWALK
CURVE No. "G-2"
END APPROACH SLAB STA. 162+32.80
END BRIDGE STA. 162+12.80
CONST. 24" PIPE (SPECIAL)
TO BE REMOVED
CONST. 275.0' OF GUARDRAIL
CONST. 6" CONC. CURB & GUTTER
1 Sty. Mas. Comm.
RAILS TO BE REMOVED WITHIN LIMITS OF R/W
SCL. R.R. TRACK
N. 68°-07'-04" E.
℄ SURVEY WHITING ST.
1-Sty. Brick Comm.
FOR PROFILES OF RAMP "G" SEE SHEET NO. 33
CONST. TYPE B FENCE
Asp. Park Lot
CONNECT TO EXISTING FENCE
CONST. 18" PIPE
CONST. 15" C.M. PIPE
CONST. 18" PIPE
Asphalt Parking Lot
CONST. 18" PIPE
TO BE REMOVED
CURVE No. "G-3"
CONST. 15" PIPE
10' CURB TRANS. TO MATCH EXIST.
CONST. TYPE B FENCE
10' CURB TRANS. TO MATCH EXIST.
SIDEWALK TO BE REMOVED BY CONTRACTOR
SIDEWALK TO REMAIN
CONST. 4" CONC. S/W
CONST. 6" CONC. CURB & GUTTER
CONST. TYPE "E" CURB & GUTTER
CROWN LINE
MATCH EXISTING PAVT.
8" V.C.P. & 6" V.C.P.
N. 21°-15'-31" W.
℄ SURVEY TAMPA ST.
B.E. 10-4" Ducts
STA. 36+30.54 TAMPA ST.
STA. 70+00.00 WHITING ST.
Existing Rails To Be Removed
CONST. TYPE "D" CURB
BEGIN CONSTRUCTION
POT. STA. 177+17.57 BROREIN ST.
POT. STA. 30+00.00 TAMPA ST.
POT. STA. 177+17.93 ℄ CONST. BROREIN ST.
POT. STA. 29+96.84 TAMPA ST.
2-Sty. Brick Comm.
1-Sty. C.B. Comm.
1 Sty. Mas. Comm.
FOR PROFILES OF TAMPA ST., SEE SHEET NO. 37
CURVE No. "G-2"
PI STA. 162+50.34
Δ = 57°-43'-27"
D = 44°-04'-25"
R = 130.00'
LC = 130.97'
T = 71.65'
SE = SEE PROFILE
CURVE No. "G-3"
PI STA. 166+03.67
Δ = 36°-59'-56"
D = 15°-0'-0"
R = 381.97
LC = 196.66
T1 = 129.61
T2 = 176.33
LS2 = 100.00
SANG2 = 7°-30'-0"
TS2L = 66.73
TS2S = 33.39
SE SEE PROFILE
AS BUILT
APRIL 21 1976
NO. REVISION BY DATE
TAMPA-HILLSBOROUGH COUNTY EXPRESSWAY AUTHORITY
SOUTH CROSSTOWN EXPRESSWAY
PLAN VIEW
RAMP "G"
TAMPA STREET CONNECTOR
J. E. GREINER COMPANY — WATSON & COMPANY
CONSULTING ENGINEERS TAMPA, FLORIDA
MADE J.K.P. DATE 4-73
CHECKED M.J.B. DATE 5-73
TRACED DATE
SCALE
84
1
Contract No. 6



NOTE: THE GROUND AREA WITHIN A 15' RADIUS FROM TRUNK OF TREE SHALL NOT BE DISTURBED, EXCEPT FOR THE REMOVAL OF EXISTING PAVEMENT. ONLY RUBBER TIRE EQUIPMENT SHALL ENTER THIS AREA, AND THE TREE SHALL BE PROTECTED FROM ROOT AND TRUNK DAMAGE.

AS BUILT
APRIL 21 1976

NO.	REVISION	BY	DATE

TAMPA-HILLSBOROUGH COUNTY EXPRESSWAY AUTHORITY

SOUTH CROSSTOWN EXPRESSWAY

PLAN VIEW
RAMPS "H" & "H-1"
FLA. & PLATT STREET CONNECTOR

J. E. GREINER COMPANY — WATSON & COMPANY
CONSULTING ENGINEERS — TAMPA, FLORIDA

MADE JKP DATE 4-73 TRACED DATE
CHECKED M.J.B. DATE 5-73 SCALE

84/1

Contract No. 6

DRAFT

RW/2

RW/3

MISSING

DRAFT

SECTION	CONTRACT	SOUTH CROSSTOWN EXPRESSWAY	SHEET NO.
10002	2506		R/W 3
By: J.E.G.		TAMPA-HILLSBOROUGH COUNTY EXPRESSWAY AUTHORITY	Date: APRIL 1973

STATE ROAD NO. 449

SCALE: 1" = 50'

SEC. 24, T29S, R18E

PARCEL NO.	GRANTOR	AREA IN TAKING	REMAINDER RT. ℄	REMAINDER LT. ℄
116.1-R1	HELEN B. CALDWELL, Executrix-B Trustee	3104 ± SQ. FT.	6868SqFt±	0
117.1-R	MARY E. RENDALL, ESTATE OF	13559? ± SQ. FT.	6159SqFt±	0
118.1	(NOT USED)			
119.1-R2	J.B. HICKEY, et ux.	TEMP. CONST. EASEMENT		
120.1	CITY OF TAMPA	0.78 Ac.	0	0
121.1-R	W.G. NEWSON, et ux	5000± SQ. FT.	0	0
122.1	FREDERICK R. BITTMANN, et ux	10000± SQ. FT.	0	0
123.1-R	DAVID CLARENCE DIOUS JR, et ux	5000 ±SQ. FT.	0	0
124.1	CLAUDE D. LOGAN JR., et al	4996 ±SQ. FT.	0	0
115.1	SEE SHEET 2 OF 4			

NOTE: REMAINDER NOT SHOWN WHEN OWNERSHIP ENCOMPASSES PROPERTIES TOO LARGE TO BE SHOWN AT THIS SCALE

℄ PROJECT

CURVE NO.1
P.I. STA. 561+21.31
Δ = 22°11' 36" LT.
D = 3°00' 00"
R = 1909.86'
Lc = 289.78'
T_1 = 600.35'
T_2 = 800.35'
L_{s_1} = 450.00'
Δ_{s_1} = 6°45' 00"
T_{s_1} = 300.22'
T_{s_2} = 150.20'
L_{s_2} = 450.00'
Δ_{s_2} = 6°45' 00"
T_{s_2} = 300.22'
T_{s_1} = 150.20'

CURVE NO. 2
P.I. STA. 579+49.69
Δ = 66°08' 00" LT.
D = 4°00' 00"
R = 1432.39'
Lc = 1053.33'
T_1 = 1238.95'
T_2 = 1238.95'
L_{s_1} = 600.00'
Δ_{s_1} = 12°00' 00.1"
T_{s_1} = 400.92'
T_{s_2} = 200.64'
L_{s_2} = 600.00'
Δ_{s_2} = 12°00' 00.1"
T_{s_2} = 400.92'
T_{s_1} = 200.64'

℄ RAMP "G"

CURVE NO. G-1
P.I. STA. 160+93.09
Δ = 8°12' 06" LT.
D = 38°11' 49.9"
R = 150.00'
Lc = 137.59'
T_1 = 201.99'
T_2 = 134.84'
L_{s_1} = 150.00'
Δ_{s_1} = 28°38' 52.4"
T_{s_1} = 101.34'
T_{s_2} = 51.22'

CURVE NO. G-2
P.I. STA. 162+50.34
Δ = 57°43' 27.4" LT.
D = 44°04' 25.2"
R = 130.00'
Lc = 130.97'
T = 71.65'
P.C.S.TA. 161+78.69
P.T. STA. 163+09.66

CURVE NO. G-3
P.I. STA. 166+03.67
Δ = 36°59' 55.5" RT.
D = 15°00' 00.3"
R = 381.97'
Lc = 196.66'
T_1 = 129.61'
T_2 = 176.33'
L_{s_2} = 100.00'
Δ_{s_2} = 7°30' 00.1"
T_{s_2} = 66.73'
T_{s_1} = 33.39'

℄ BROREIN ST.

CURVE NO. M-1
P.I. STA. 179+05.94
Δ = 27° 14' 38.9" LT.
D = 10° 00' 00"
R = 572.96'
Lc = 272.44'
T = 138.85'
P.C. STA. 177+67.09
P.T. STA. 180+39.53

CURVE NO. M-2
P.I. STA. 183+68.10
Δ = 09° 47' 08.7" RT.
D = 5° 00' 00"
R = 1145.92'
Lc = 195.71'
T = 98.10'
P.C. STA. 182+70.01
P.T. STA. 184+65.72

CURVE NO. M-3
P.I. STA. 186+13.69
Δ = 5° 59' 12.7" LT.
D = 5° 00' 00"
R = 1145.92'
Lc = 119.74'
T = 59.92'
P.C. STA. 187+53.77
P.R.C. STA. 188+73.50

CURVE NO. M-4
P.I. STA. 189+33.4
Δ = 5° 59' 12.7" RT.
D = 5° 00' 00"
R = 1145.92'
Lc = 11974'
T = 59.92'
P.R.C. STA. 188+73.50
P.T. STA. 189+93.24

LEGEND

POWER POLE
TELEPHONE POLE
COMBINATION POLE
LIGHT STANDARD
GUY WIRE & ANCHOR PIN
BURIED ELECTRIC POWER CABLE (SIZE,E.)
ELECTRIC DUCT (#-#"EL.-DUCT(S))
BURIED TELEPHONE CABLE (SIZE,DUCT,P.)
TELEPHONE DUCT (#-#"TEL. DUCT(S))
WATER MAIN (#"W)
GAS MAIN (#"G)
DRIP POT
VALVE
FIRE HYDRANT
AIR VALVE
BLOW - OFF
SANITARY SEWER (#"SAN.)
STORM SEWER (#" ST.)
MANHOLE
STREET NAME FROM PLAT
PUBLIC RECORDS HILLSBOROUGH CO. FLA. P.R.H.C.F.
PROPERTY LINE
IRON PIPE (#" I.P.)
IRON ROD (#" I.R.)
CONCRETE MONUMENT (#" C.M.O.)
FIELD DIMENSION (F)
DEED DIMENSION (D)
CALCULATED DIMENSION (C)

HENDRY & KNIGHT'S MAP OF THE GARRISON
P.B. 2, PG. 73
P.R.H.C.F.
APRIL 29, 1905

L.W. SMITHS SUBDIVISION OF HENDRY & KNIGHT'S MAP OF THE GARRISON, OF LOT 11, BLOCK 93
P.B. 5, Pg 18 P.R.H.C.F.

SUBDIVISION OF W½ OF LOT 1 BLK. 104 THE GARRISON
P.B. 11, PG. 75 P.R.H.C.F. SEPT. 26, 1924

HAMPTON ST.
WHITING ST.
E. PLATT ST.
BROREIN ST.
FRANKLIN ST.
TAMPA ST.
KRAUSE ST.
COMMERCE ST.

℄ PROJECT SURVEY

L/A R/W LINE

℄ CONST BROREIN ST.

℄ RAMP "G"

MATCH LINE, SEE SHEET 4

MATCH LINE, SEE SHEET 2

(PROJECT GOES OVER FRANKLIN ST.)

(PROJECT GOES OVER TAMPA ST.)

EQUALITY: P.O.S. STA 562+33.48 ℄ PROJECT = P.O.T. STA 43+23.20 ℄ FRANKLIN ST.

EQUALITY: P.O.S. STA 561+91.10 ℄ RAMP "G" = P.O.T. STA 388+81.10 ℄ PROJECT

EQUALITY: P.O.S. STA 559+41.38 ℄ PROJECT = P.O.T. STA 28+71.56 ℄ TAMPA ST.

EQUALITY: S.T. STA 167+70.71 = STA 35+71.00 ℄ TAMPA ST.

EQUALITY: STA 160+87.78 ℄ RAMP "G" = STA 178+78.59 ℄ CONST. BROREIN ST

RIGHT-OF-WAY MAPS ARE FOR THE CONTRACTORS INFORMATION ONLY

NO.	REVISION	BY	DATE
9	REVISED PARCELS 116.1-R1 & 117.1-R	J.E.G.	W.J.M. 12-19-73
8	DRAFTING REVISIONS	J.E.G.	W.J.M. 12-6-73
7	ADDED TEMP. CONST. EASEMENT PARCEL 119.1-R2	J.E.G.	K.E.W. 10-22-73
6	REVISED PARCEL 116.1	J.E.G.	F.J.R. 10-2-73
5	ADDED SUBORDINATION NUMBERS	J.E.G.	F.J.R. 8-20-73
4	REVISED L/A R/W LINE BLK. 93	J.E.G.	K.E.W. 8-7-73
3	REVISED BEARING	J.E.G.	F.J.R. 7-13-73
2	REVISED RAMP "G"	J.E.G.	K.E.W. 7-9-73
1	REVISED PARCEL 119.1	J.E.G.	K.E.W. 7-9-73

TAMPA-HILLSBOROUGH COUNTY EXPRESSWAY AUTHORITY

SOUTH CROSSTOWN EXPRESSWAY

RIGHT-OF-WAY MAP

AS BUILT APRIL 21 1976

J. E. GREINER COMPANY — WATSON & COMPANY
CONSULTING ENGINEERS TAMPA, FLORIDA

MADE W.J.M. DATE 11-16-72 | TRACED W.J.M. DATE 3-15-73
CHECKED K.E.W. DATE 4-1-73 | SCALE 1" = 50'

Contract No. G

SHEET 3 OF 4

84
1

DRAFT

SECTION	CONTRACT	SOUTH CROSSTOWN EXPRESSWAY	SHEET NO.
10002	2506		R/W 4
By: J.E.G.	TAMPA-HILLSBOROUGH COUNTY EXPRESSWAY AUTHORITY		Date: APRIL 1973

STATE ROAD 449

PARCEL NO.	GRANTOR	AREA IN TAKING	REMAINDER RT. ℄	REMAINDER LT. ℄
130.1	WELDON & GRAY, INC.	21,000 ± SQ. FT.	—	—
131.1	BRUCE L. HUMPHREY	18288 ± SQ. FT.	—	—
132.1-RI	LEE TIRE COMPANY OF FLORIDA, INC.	36300 ± SQ. FT.	—	—
133.1	CHAMBERLAIN'S AUDIO PRODUCTS, INC.	6088 ± SQ. FT.	—	—
134.1	LEONARD G. BROOKS, et ux	3050 ± SQ. FT.	—	—
135.1-RI	TAMPA ARMATURE WORKS, INC.	1.50± Ac.	—	—
136.1-RI	ROBERT EUGENE PRIDE, et ux	19,425± SQ.FT.	—	—
137.1-R	GILES MOTOR COMPANY	37,695 ±SQFT.	—	—
138.1-R	ANDERSON REALTY CO. INC.	11,025± SQ.FT.	—	—
139.1	NOT USED		—	—
140.1	NOT USED		—	—

NOTE: REMAINDER NOT SHOWN WHEN OWNERSHIP ENCOMPASSES PROPERTIES TOO LARGE TO BE SHOWN AT THIS SCALE

CURVE DATA

℄ RAMP "H"

CURVE NO.1
P.I. STA. NONE
Δ = 182° 03' 26.8" RT.
Dc = 57° 17' 44.8"
R = 100.00'
Lc = 267.75
L_{S_1} = 100.00'
L_{S_2} = 28° 38' 52.4"
T_{S_1} = 67.56'
T_{S_2} = 34.15'

℄ RAMP "H-1"

CURVE NO. 1
P.I. STA. 31+51.08
Δ = 42° 54' 08" LT.
D = 38° 11' 49.9"
R = 150.00'
Lc = 111.45'
T = 58.44'
P.C. STA. 30+92.65
P.T. STA. 32+04.08

℄ RAMP "I"

CURVE NO. 1
P.I. STA. 64+56.85
Δ = 6° 18' 50.6" LT.
D = 4° 00' 00"
R = 1432.39'
Lc = 157.85'
T = 79.01'
P.C. STA. 63+79.84
P.T. STA. 65+37.69

CURVE NO. 2
P.I. STA. 71+66.85
Δ = 9° 42' 44.3" RT.
D = 7° 04' 55.8"
R = 809.02'
Lc = 137.14'
T = 68.73'
P.C. STA. 71+18.12
P.T. STA. 72+55.25

CURVE NO. M-1
P.I. STA. 179+05.94
Δ = 27° 14' 39.9" LT.
D = 10° 00' 00"
R = 572.96'
Lc = 272.44'
T = 138.85'
P.C. STA. 177+67.09
P.T. STA. 180+39.53

℄ BROREIN ST.

CURVE NO. M-2
P.I. STA. 183+68.10
Δ = 09° 47' 08" LT.
D = 5° 00' 00"
R = 1145.92'
Lc = 195.71'
T = 98.10'
P.C. STA. 182+70.01
P.T. STA. 184+65.72

CURVE NO. M-3
P.I. STA. 188+13.69
Δ = 5° 59' 12.7" LT.
D = 5° 00' 00"
R = 1145.92'
Lc = 119.74'
T = 59.92'
P.C. STA. 187+53.77
P.R.C. STA. 188+73.50

CURVE NO. M-4
P.I. STA. 189+33.4
Δ = 5° 59' 12.7" RT.
D = 5° 00' 00"
R = 1145.92'
Lc = 119.74'
T = 59.92'
P.R.C. STA. 188+73.50
P.T. STA. 189+93.24

℄ PROJECT

CURVE NO.1
P.I. STA. 561+21.31
Δ = 52° 11' 36" LT
D = 3° 00' 00"
R = 1909.86'
Lc = 289.78'
T_1 = 600.35'
T_2 = 600.35'
L_{S_1} = 450.00'
L_{S_1} = 6° 45' 00"
T_{S_1} = 300.22'
T_{S_2} = 150.20'
L_{S_2} = 450.00'
L_{S_2} = 6° 45' 00"
T_{S_1} = 300.22'
T_{S_2} = 150.20'

CURVE NO.2
P.I. STA. 579+49.69
Δ = 66° 08' 00" LT.
D = 4° 00' 00"
R = 1432.39'
Lc = 1053.33'
T_1 = 1238.95'
T_2 = 1238.95'
L_{S_1} = 600.00'
L_{S_1} = 12° 00' 00.1"
T_{S_1} = 400.92'
T_{S_2} = 200.84'
L_{S_2} = 600.00'
L_{S_2} = 12° 00' 00.1"
T_{S_1} = 400.92'
T_{S_2} = 200.84'

PARCEL NO.	GRANTOR	AREA IN TAKING	REMAINDER RT. ℄	REMAINDER LT. ℄
125.1	CECYL R. ROUDABUSH	10,000± SQ.FT.	—	—
126.1	JOE REGUEIRA, INC.	15,000± SQ. FT.	10,000SQ.FT.	—
127.1	R.J. GOULD WELDING & ERECTING CO., INC.	13,565± SQ. FT.	—	—
128.1	ETHEL G. SHERMAN	11,265± SQ. FT.	—	—
129.1	NOT USED			

SCALE: 1" = 50'

SEC. 24, T29S, R18E

LEGEND

EQUALITY:
STA. 182+36.49 ℄ BROREIN ST. =
STA. 9+83.87 ℄ FLORIDA AVE.

EQUALITY:
STA. 188+93.26 ℄ BROREIN ST. =
STA. 188+89.79 ℄ MORGAN ST.

EQUATION:
P.O.T. STA. 10+00.00 ℄ SURVEY MORGAN ST. BK. =
P.O.T. STA. 188+85.15 ℄ SURVEY MORGAN ST. AH.

EQUALITY:
BEGIN R/W PROJECT
SECTION 10002-2512
P.C. STA. 187+53.77 (STA. 0+59.66) ℄ BROREIN ST.

END R/W PROJECT
SECTION 10002-2506
STA. 570+81.97 ℄ PROJECT & ℄ SURVEY

EQUALITY:
P.O.T. STA. 7+16.87 RAMP "I" =
P.O.T. STA. 9+73.19 MORGAN ST.

EQUATION P.I. NO CURVE
STA. 7+32.99 MORGAN ST. AH. =
STA. 10+00.00 MORGAN ST. BK. =
STA. 15+96.71 EUNICE ST.

EQUALITY:
STA. 29+29.82 PLATT ST. =
STA. 7+55.52 MORGAN ST.

EQUALITY:
P.O.C. STA. 31+60.81 ℄ RAMP "H-1" =
P.O.T. STA. 29+09.41 PLATT ST.

EQUALITY:
P.O.T. STA. 7+60.12 FLORIDA AVE. =
P.O.T. STA. 3+12.42 "RAMP" H

EQUALITY:
P.O.T. STA. 3+35.25 ℄ RAMP "H" =
P.O.S. STA. 563+35.25 ℄ PROJECT 56.00 RT.

EQUALITY:
P.O.C. STA. 28+03.50 ℄ RAMP "H-1" = EUNICE ST.
P.O.C. STA. 6+03.50 ℄ RAMP H 3.00 LT.

EQUALITY:
P.O.C. STA. 63+79.84 ℄ RAMP "I" =
P.O.S. STA. 563+79.84 ℄ PROJECT 63.00 LT.

EQUATION:
STA. 23+33.54 PLATT ST. =
STA. 4+88.46 FLORIDA AVE.

DETAIL "A"
NOT TO SCALE

RIGHT-OF-WAY MAPS ARE FOR THE CONTRACTORS' INFORMATION ONLY.

NO.	REVISION	BY	DATE
9	Drafting Revisions	J.E.G. W.J.M.	12-06-73
8	Revised Parcels 132.1-RI, 135.1-RI, 136.1-RI, 137.1-R & 138.1-R	J.E.G. F.J.R.	9-24-73
7	Removed Remainders Parcels 130.1 & 131.1	J.E.G. F.J.R.	9-11-73
6	Added Dimensions L/A Parcel 132.1-R	J.E.G. F.J.R.	8-22-73
5	Added Subordination Numbers	J.E.G. F.J.R.	8-20-73
4	Revised Parcel 136.1-R	J.E.G. F.J.R.	8-8-73
3	Revised Parcel 135.1-R	J.E.G. F.J.R.	8-8-73
2	Revised Area Parcel 132.1-R	J.E.G. W.J.M.	7-3-73
1	Revised L/A R/W Line	J.E.G. F.J.R.	5-15-73

TAMPA-HILLSBOROUGH COUNTY EXPRESSWAY AUTHORITY

SOUTH CROSSTOWN EXPRESSWAY

RIGHT-OF-WAY MAP

J. E. GREINER COMPANY — WATSON & COMPANY
CONSULTING ENGINEERS TAMPA, FLORIDA

MADE W.J.M.	DATE 11-11-71	TRACED W.J.M.	DATE 3-31-73
CHECKED K.E.W.	DATE 4-1-73	SCALE 1" = 50'	

Contract No. 6 SHEET 4 OF 4

AS BUILT
APRIL 21 1976

84/1

SECTION	CONTRACT	SOUTH CROSSTOWN EXPRESSWAY	SHEET NO.
	6B		1
By: G.E.S.	TAMPA-HILLSBOROUGH COUNTY EXPRESSWAY AUTHORITY		Date:

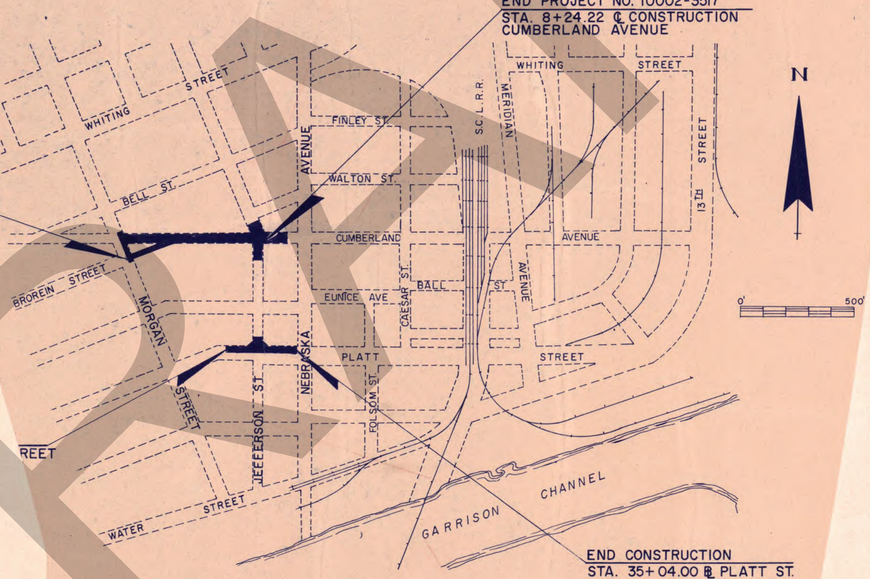
TAMPA - HILLSBOROUGH COUNTY EXPRESSWAY AUTHORITY

—PLANS OF PROPOSED—

SOUTH CROSSTOWN EXPRESSWAY

HILLSBOROUGH COUNTY TAMPA, FLORIDA

STATE PROJECT NO. 10002 - 3517 - 032



GOVERNING SPECIFICATIONS:

STATE OF FLORIDA, DEPARTMENT OF TRANSPORTATION, STANDARD SPECIFICATION DATED 1973 AND SUPPLEMENT THERETO DATED JUNE, 1975 OR AS MODIFIED BY THE CONTRACT SPECIAL PROVISIONS.

CONTRACT NO.

6B

CUMBERLAND AVENUE
(PHASE ONE)
FROM MORGAN ST. TO JEFFERSON ST., AND THE INTERSECTION OF JEFFERSON ST. AND PLATT ST.

Greiner Engineering Sciences, Inc. - WATSON AND COMPANY
Consulting Engineers
To The Tampa - Hillsborough County Expressway Authority
P.O. BOX 23646
TAMPA, FLORIDA 33622
813/879-1711

CONTRACT NUMBER 6B - State Job No. 10002-3517

Description	Drawing Number Sheet No.
Cover Sheet (Cumberland Ave. Phase I)	1
Drainage Map	2
Typical Section	3
Plan and Profile	5
Plan and Profile	6
Drainage Structure Sections	8

TOTAL NO. MYLAR SHEETS 7.

AS BUILT

84/1

DRAFT

SECTION	CONTRACT	SOUTH CROSSTOWN EXPRESSWAY	SHEET NO.
	6B		1
By: G.E.S.	TAMPA-HILLSBOROUGH COUNTY EXPRESSWAY AUTHORITY		Date:

TAMPA - HILLSBOROUGH COUNTY EXPRESSWAY AUTHORITY

—PLANS OF PROPOSED—

SOUTH CROSSTOWN EXPRESSWAY

HILLSBOROUGH COUNTY TAMPA, FLORIDA

STATE PROJECT NO. 10002 - 3517 - 032

THIS CONTRACT PLAN SET INCLUDES:

ROADWAY PLANS
SIGNING AND PAVEMENT MARKING PLANS
RIGHT-OF-WAY MAP

INDEX OF ROADWAY PLANS:

SHEET NO.	SHEET DESCRIPTION
1	KEY MAP
2	DRAINAGE MAP
3	TYPICAL SECTIONS
4	SUMMARY OF QUANTITIES
5-7	PLAN AND PROFILE SHEETS
8	DRAINAGE STRUCTURE SECTIONS
9-11	SPECIAL PROFILES
12-25	CROSS SECTIONS
26	STORAGE LOT LOCATION
27	MISCELLANEOUS WATER LINE DETAILS
28	MISCELLANEOUS SANITARY SEWER DETAILS
29	PROJECT INFORMATION SIGN

STANDARD DRAWINGS:

INDEX NO.	DRAWING
GSA-01	STANDARD ABBREVIATIONS
195	STANDARD SYMBOLS FOR KEY MAPS AND PLAN SHEETS (3 SHEETS)
1101-W	MISCELLANEOUS ROADWAY CONSTRUCTION DETAILS (2 SHEETS)
5016-8	TURNOUT DETAILS
FTA-01	DETAILS OF FENCING
FTB-01	DETAILS OF FENCING
5047-G	INLET, MANHOLE, AND JUNCTION BOX TYPE P AND J (2 SHEETS)
5061-F	DRAINAGE DETAILS (2 SHEETS)
5080-G	CURB, CURB AND GUTTER, AND TRAFFIC SEPARATOR (2 SHEETS)





AS BUILT

PLANS PREPARED BY:
Greiner Engineering Sciences, Inc.

LENGTH OF PROJECT STATE PROJECT NO. 10002 - 3517		
	LIN. FT.	MILES
ROADWAY (CUMBERLAND AVE.)	625.32	0.118
BRIDGES	0.00	0.000
GROSS LENGTH	625.32	0.118
EXCEPTIONS	0.00	0.000
NET LENGTH	625.32	0.118

ATTENTION IS DIRECTED TO THE FACT THAT THESE PLANS MAY HAVE BEEN REDUCED IN SIZE BY REPRODUCTION. THIS MUST BE CONSIDERED WHEN OBTAINING SCALED DATA.

GOVERNING SPECIFICATIONS:

STATE OF FLORIDA, DEPARTMENT OF TRANSPORTATION, STANDARD SPECIFICATION DATED 1973 AND SUPPLEMENT THERETO DATED JUNE, 1975 OR AS MODIFIED BY THE CONTRACT SPECIAL PROVISIONS.

APPROVAL RECOMMENDED 4-11-75
BY W. Dale Lester
GREINER-WATSON

APPROVED 4-16-75
BY [signature]
CHAIRMAN
TAMPA-HILLSBOROUGH COUNTY EXPRESSWAY AUTHORITY

CONTRACT NO.
6B
CUMBERLAND AVENUE
(PHASE ONE)
FROM MORGAN ST. TO JEFFERSON ST., AND THE INTERSECTION OF JEFFERSON ST. AND PLATT ST.

Greiner Engineering Sciences, Inc.
CONSULTING ENGINEERS TAMPA, FLORIDA
SUBMITTED Rene G. Gonda DATE 4-14-75

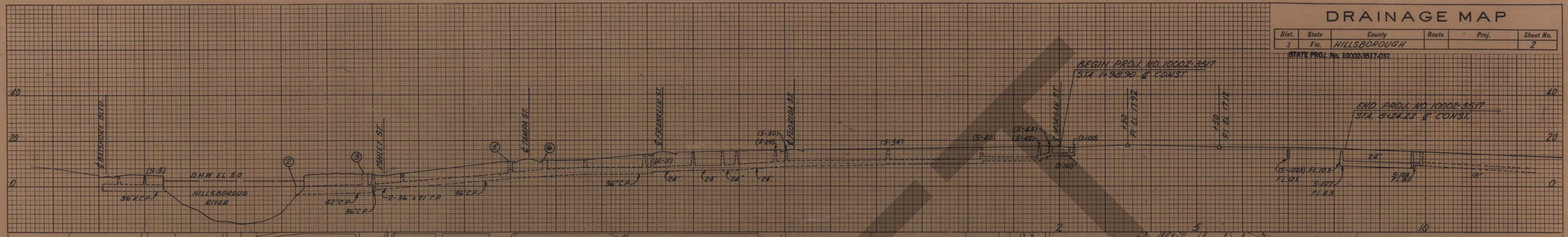
DRAFT

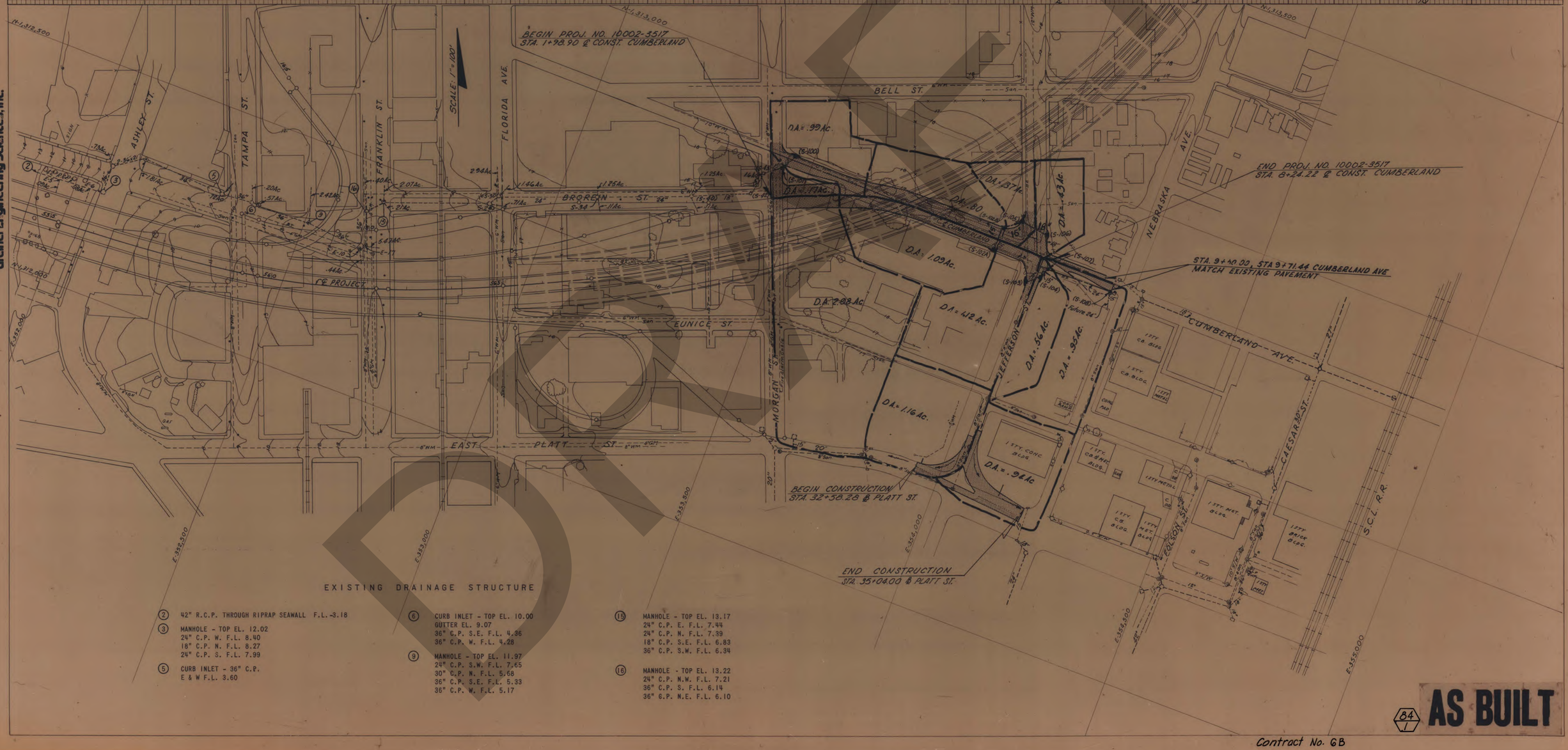
64/1

DRAINAGE MAP

Dist.	State	County	Route	Proj.	Sheet No.
3	Fla.	HILLSBOROUGH			2

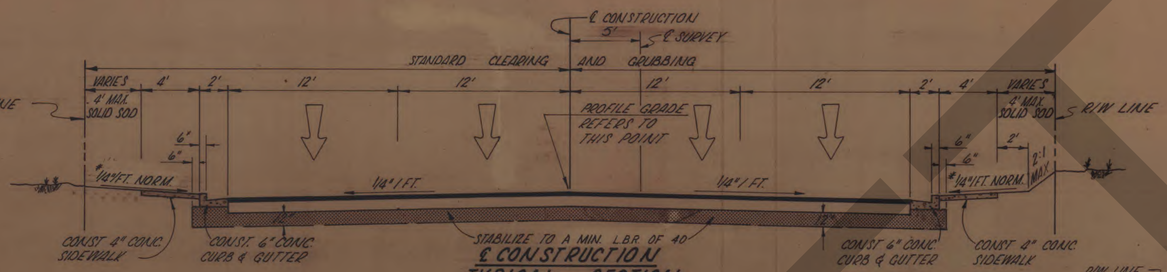
STATE PROJ. No. 10002:3517-032





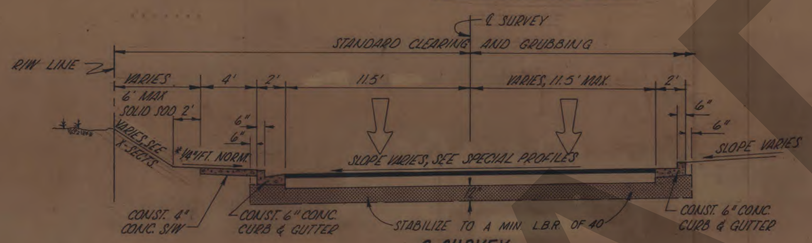
SECTION	CONTRACT	SOUTH CROSSTOWN EXPRESSWAY	SHEET NO.
	68		3
By: GES	TAMPA-HILLSBOROUGH COUNTY EXPRESSWAY AUTHORITY		Date:

STATE PROJ. No. 10002-3517-032



FROM STA. 2+33.02
TO STA. 8+24.22

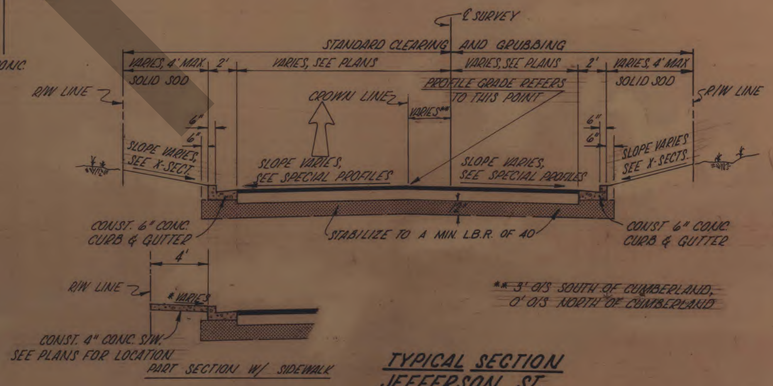
℄ CONSTRUCTION
TYPICAL SECTION
CUMBERLAND AVE.



FROM STA. 2+17.48 TO STA. 3+45.29
FROM STA. 8+73.51 TO STA. 9+50.00

℄ SURVEY
TYPICAL SECTION
CUMBERLAND AVE.

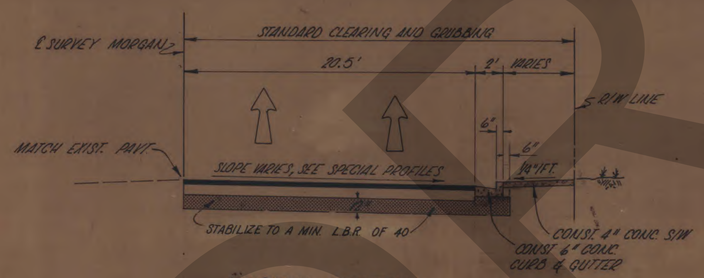
LIMEROCK BASE (9" THICK, DOUBLE COURSE) PRIMED, WITH TYPE S-I ASPHALTIC CONCRETE (2" THICK) BOTTOM LAYER, AND ASPHALTIC CONCRETE WEARING COURSE (1" THICK) TOP LAYER. FOR ADDITIONAL DETAILS, SEE INDEX NO'S. 1101, 5016, & 5080. DESIGN SPEED - 30 M.P.H.



** 3' O/S SOUTH OF CUMBERLAND,
0' O/S NORTH OF CUMBERLAND

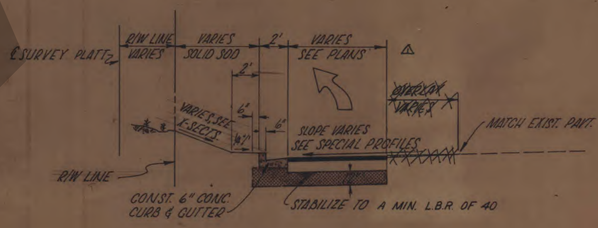
TYPICAL SECTION
JEFFERSON ST.

LIMEROCK BASE (9" THICK, DOUBLE COURSE) PRIMED, WITH TYPE S-I ASPHALTIC CONCRETE (2" THICK) BOTTOM LAYER, AND ASPHALTIC CONCRETE WEARING COURSE (1" THICK) TOP LAYER. FOR ADDITIONAL DETAILS, SEE INDEX NO'S. 1101, 5016 & 5080.



TYPICAL SECTION
MORGAN ST.

LIMEROCK BASE (9" THICK, DOUBLE COURSE) PRIMED, WITH TYPE S-I ASPHALTIC CONCRETE (2" THICK) BOTTOM LAYER AND ASPHALTIC CONCRETE WEARING COURSE (1" THICK) TOP LAYER. FOR ADDITIONAL DETAILS, SEE INDEX NO'S. 1101, 5016, & 5080



TYPICAL SECTION
PLATT ST.

LIMEROCK BASE (9" THICK, DOUBLE COURSE) PRIMED, WITH TYPE S-I ASPHALTIC CONCRETE (2" THICK) BOTTOM LAYER, AND ASPHALTIC CONCRETE WEARING COURSE (1" THICK) TOP LAYER. FOR ADDITIONAL DETAILS, SEE INDEX NO'S. 1101, 5016 & 5080

GENERAL NOTES:
1. FOR STABILIZING AT INTERSECTIONS, TURNOUTS, AND GRADED CONNECTIONS, SEE STANDARD INDEX DRAWING NO. 5016.
*2. NORMAL SIDEWALK CROSS SLOPE IS 1/4"/FT., BUT WILL BE PERMITTED TO VARY FROM 1/8"/FT. TO 1/2"/FT. TO MATCH EXISTING GROUND OR DRIVES WHERE POSSIBLE.

AS BUILT NOTES:
Δ OVERLAY WAS DELETED FROM THIS CONTRACT

AS BUILT

NO.	REVISION	BY	DATE

TAMPA-HILLSBOROUGH COUNTY EXPRESSWAY AUTHORITY

SOUTH CROSSTOWN EXPRESSWAY

TYPICAL SECTIONS

J. E. GREINER COMPANY — WATSON & COMPANY
CONSULTING ENGINEERS TAMPA, FLORIDA

MADE J.K.P. DATE 2/75 | TRACED DATE
CHECKED M.J.B. DATE 2/75 | SCALE 1"=5.0'

Contract No. 68

84
1

DRAFT

AS BUILT

SECTION	CONTRACT	SOUTH CROSSTOWN EXPRESSWAY	SHEET NO.
	6B		5
By: GES	TAMPA-HILLSBOROUGH COUNTY EXPRESSWAY AUTHORITY		Date:

STATE P.I.D.I. No. 10002-3517-032

CURVE NO. 1-1
P.I. STA. 7+86.32
Δ = 9°-42'-44"
D = 15°-29'-18"
R = 369.93'
L = 62.71
T = 31.43

AS BUILT END OF CONSTRUCTION
ORIGINAL END OF CONSTRUCTION
℄ SURVEY CUMBERLAND AVE.
(1" on Manhole Rim)
10"W
(5-43)
1 Story Conc. Block Church
Patio
1' Brick Wall
Sidewalk
BRORein ST.
STA. 1+98.90 ℄ CONST. CUMBERLAND AVE.
STA. 188+89.79 ℄ SURVEY MORGAN ST.
6"W
BEGIN CONSTRUCTION
BEGIN PROJECT
70 ℄ RAMP "I" N 59°-13'-58" E
STA. 188+89.79 ALG ℄ SURVEY MORGAN ST.
STA. 189+20.00 BAC ℄ SURVEY MORGAN ST.
N 21°-58'-20" W
189
190
20' R/W
20' R/W
CONST 18" OF 15 PIPE
EXIST 15" PIPE
BEGIN CONST. 20' R/W ℄ SURVEY CUMBERLAND AVE.
BEGIN CONST. 20' R/W ℄ SURVEY MORGAN ST.
STA. 190+56.96 ALG ℄ SURVEY CUMBERLAND AVE.
STA. 189+27.60 BAC ℄ SURVEY MORGAN ST.
+60.00
+27.60
+40.00
+21.22
+10.00
ORIGINAL END OF CONSTRUCTION
MATCH EXISTING CURB & GUTTER
AS BUILT END OF CONSTRUCTION
MATCH EXISTING PAVEMENT
(5-100)
R/W LINE
PROTECT FILLER PIPE TO UNDERGROUND TANK
Gas Filler to underground tank
381.97' R
CONST 36" OF 15 PIPE
10' CURB TRANSITION
CONST 6" CONC. CURB & GUTTER
CONST 4" CONC S/W
Door
SOLID SOD
CONST 4" CONC S/W
CONST. TYPE "E" CURB & GUTTER
(5-101)
2:1
10"W
4 Story Brick Building
N 68°-36'-42" E
℄ CONSTRUCTION
CURVE NO. 1
CURVE NO. 1-1
CONST 6" CONC CURB & GUTTER
DRIVEWAY
Conc. Drive
Yard Drain
P.C. STA 3+75.43
P.C. STA 7+54.89 ℄ RAMP "I"
BEGIN CONST. 24.00' R/W ℄ RAMP "I"
24.00' R/W ℄ CONST. CUMBERLAND AVE.
2 Story Stucco Building
SEED & MULCH
Asphalt Paved Parking Lot
1 Sty. C.B. Comm. Bldg.
Asphalt Pavement
FENCE & GATE TO BE REMOVED BY OTHERS
ACCEPT EXISTING FENCE PRIOR TO CLEARING & GROUBBING
DRIVEWAY
R/W LINE
CURVE NO. 2
CONST. 6" CONC. CURB & GUTTER
8' Palm
Chain Fence Bent Barb Wire Attachments
S 89°-37'-24" E
10"W
WM
Conc. Walk
Doors
REMOVE PLATFORM
1 Story Stucco Building
Metal Shed
P.C. STA 5+80.30 CONST. 40'-11" STA 5+80.30 ℄ SURVEY
R/W LINE
SEWER & WATER CONNECTION
MATCH LINE STA 6+00.00
SCALE 1"=20'

CURVE NO. 1
P.I. STA. 2+39.31
Δ = 5°-57'-55"
D = 5°-00'-00"
R = 1145.92'
L = 119.31'
T = 59.71'

CURVE NO. 2
P.I. STA. 4+47.71
Δ = 21°-25'-54"
D = 15°-00'-00"
R = 381.97'
L = 142.88'
T = 72.28'

AS BUILT NOTES

1. WEARING COURSE WITHIN THE RECTANGULAR AREA INDICATED BY HEAVY LINES & THE OVERLAY WERE DELETED FROM THIS CONTRACT & ADDED TO 10002-3506-032
2. DRIVEWAYS WERE CONSTRUCTED IN ACCORDANCE WITH THE 1976 FLA. DOT STANDARD DWG NO. GTO-01
3. ADDED 200 S.F. 4" CONC. SIDEWALK
4. ADDED 18.78' OF 6" CONC. CURB & GUTTER

B.M. "I" CUT IN END OF SIDEWALK
S.W. CORNER OF CUMBERLAND AVE. & MORGAN ST.
EL. 17.59

GENERAL NOTES
1. BENCH MARK DATUM IS U.S.C.&G.S.
2. ALL EXISTING DRAINAGE STRUCTURES WITHIN LIMITS OF CONSTRUCTION ARE TO REMAIN UNLESS OTHERWISE NOTED.
3. THE IMPROVEMENTS OF LOTS 9, 10 AND 11, BLOCK 98, OF HENDRY AND KNIGHT'S MAP OF THE GARRISON SUBDIVISION, (PARCEL 102.1) AND APPURTENANCES THERETO SHALL BE REMOVED BY THE CONTRACTOR. ALL OTHER IMPROVEMENTS, UNLESS OTHERWISE NOTED, SHALL REMAIN OR BE REMOVED BY OTHERS. IT IS ANTICIPATED THAT THIS PORTION OF PARCEL 102.1 WILL BE VACATED AND AVAILABLE FOR DEMOLITION ON OR BEFORE OCTOBER 20, 1975.

BEGIN CONSTRUCTION
BEGIN PROJECT
STA 1+98.90 ℄ CONSTRUCTION
CUMBERLAND AVENUE

UTILITY OWNERS
1. TAMPA ELECTRIC COMPANY
2. GENERAL TELEPHONE COMPANY
3. CITY OF TAMPA WATER DEPARTMENT
4. CITY OF TAMPA SANITARY SEWERS
5. PEOPLES GAS SYSTEM

FOR PROFILES ON MORGAN & CUMBERLAND SEE SHEET NO. 9

8" Storm Sewer
Floor of 2 Sty. Bldg.
+0.2000 %
PROFILE GRADE ℄ CONST. CUMBERLAND AVE.
-0.4000 %
Exist. Ground
-0.2000 %
10" Water
UTILITIES BASED ON ℄ SURVEY

FINAL SURVEY — SURVEYED, PLOTTED, NOTE BOOK, NO., BY, DATE, AREAS, AREAS CHECKED

ORIGINAL SURVEY — SURVEYED, PLOTTED, NOTE BOOK, NO., BY, DATE, AREAS, AREAS CHECKED

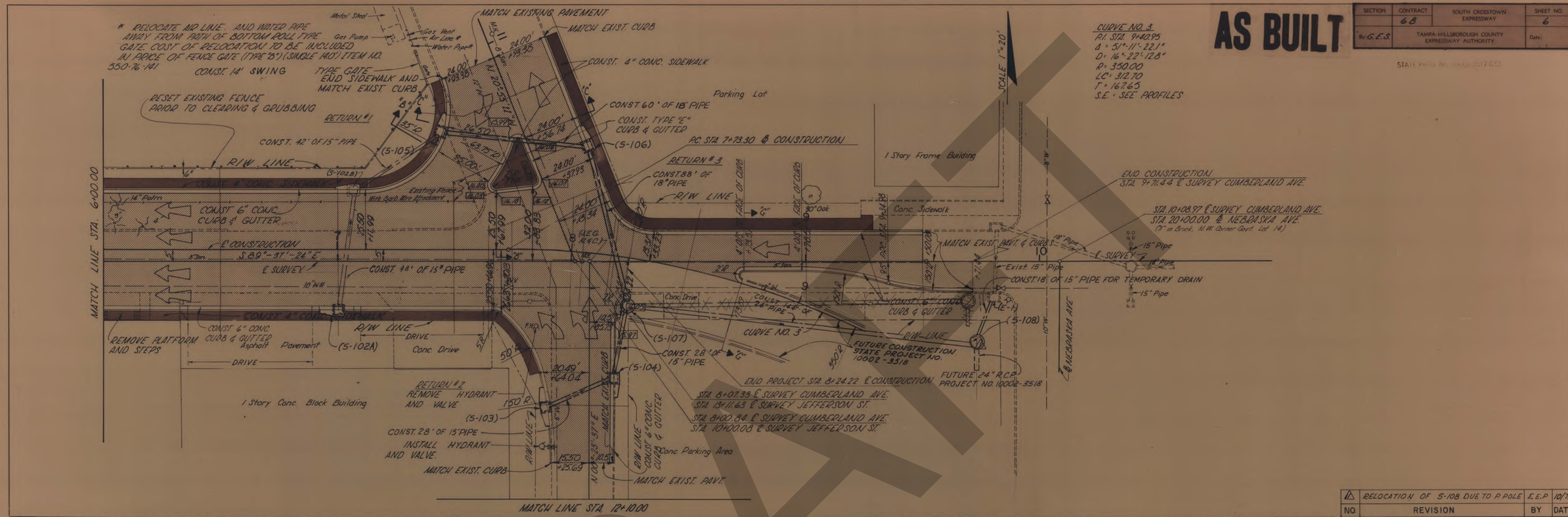
Greiner Engineering Sciences, Inc.

AFT

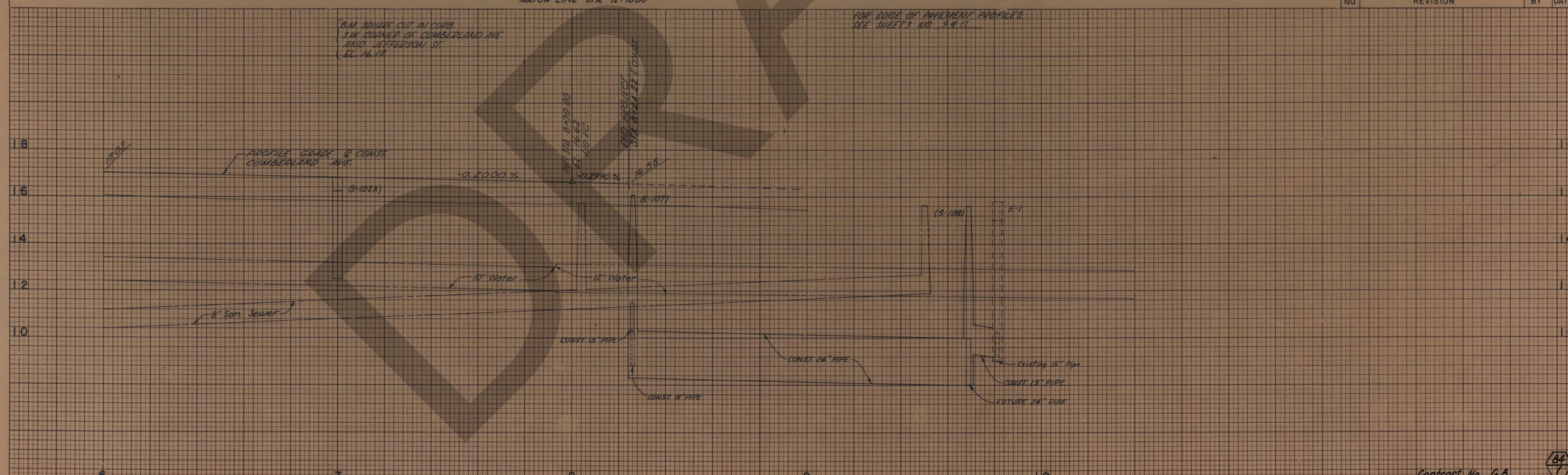
AS BUILT

SECTION	CONTRACT	SOUTH CROSSTOWN EXPRESSWAY	SHEET NO.
	6B		6
By: G.E.S.	TAMPA-HILLSBOROUGH COUNTY EXPRESSWAY AUTHORITY		Date:

STATE PROJ. NO. 10002-3517-032



NO.	REVISION	BY	DATE
1	RELOCATION OF S-108 DUE TO P. POLE	E.E.P.	10/75



Contract No. 6B

84/1

Greiner Engineering Sciences, Inc.

FINAL SURVEY		BY	DATE
NOTE BOOK	SURVEYED		
NO.	PLOTTED		
	TEMPLATE		
	AREAS		
	AREAS CHECKED		

ORIGINAL SURVEY		BY	DATE
NOTE BOOK	SURVEYED		
NO.	PLOTTED		
	TEMPLATE		
	AREAS		
	AREAS CHECKED		

DRAFT

AS BUILT

SECTION	CONTRACT	SOUTH CROSSTOWN EXPRESSWAY	SHEET NO.
	68		7
By: GES	TAMPA-HILLSBOROUGH COUNTY EXPRESSWAY AUTHORITY		Date:

STATE PROJ. No. 10002-3517-032

℄ "A"
P.I. STA. 133+34.07
Δ = 89°-28'-08.0"
D = 74°-53'-47.2"
R = 76.50'
L.C. = 119.46'
T = 75.79'

℄ "B"
P.I. STA. 233+82.99
Δ = 78°-41'-27.7"
D = 56°-26'-56.6"
R = 101.50
L.C. = 139.40
T = 83.21

MATCH LINE STA. 9+45.00

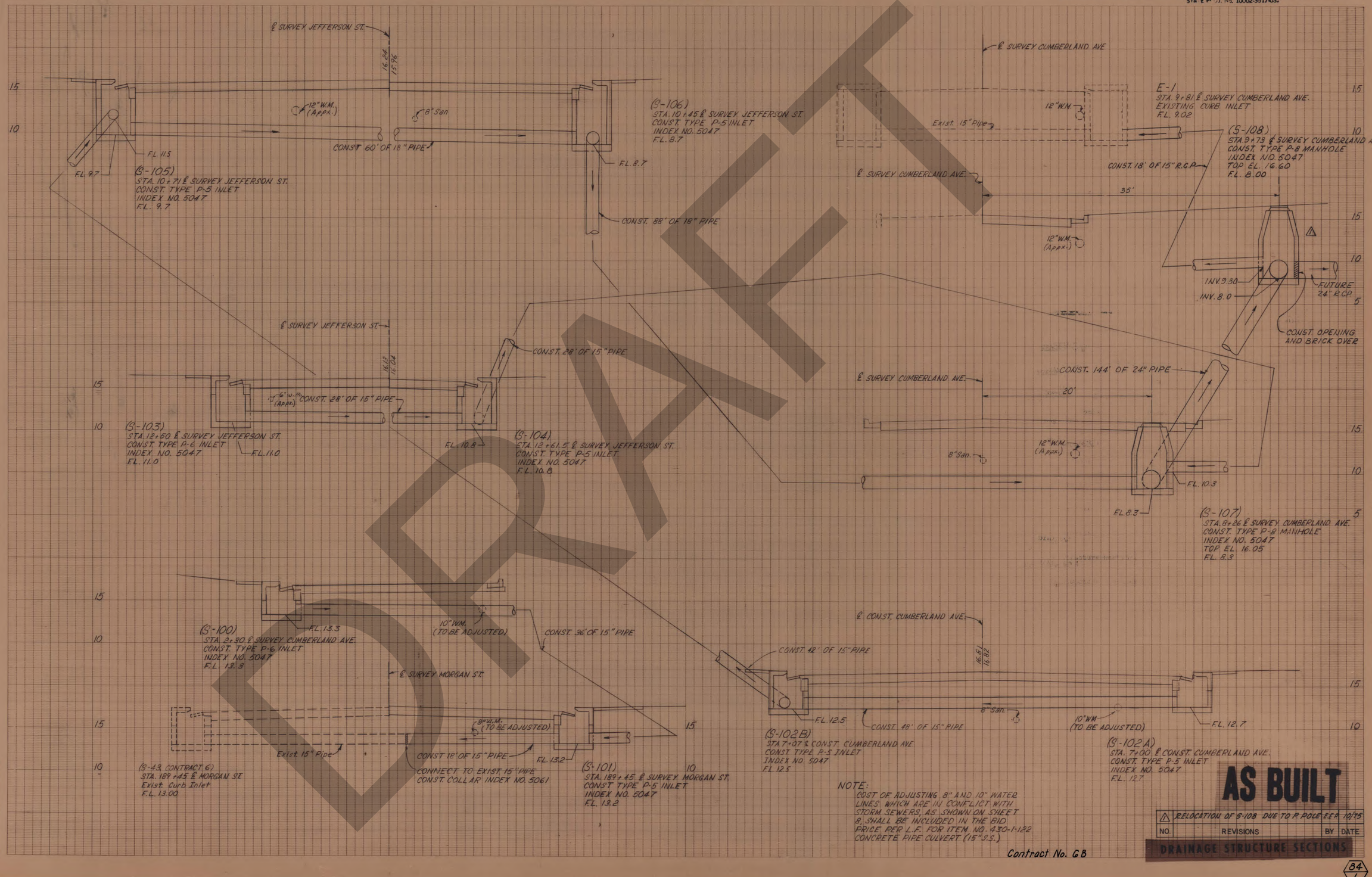
R/W LINE
MATCH EXISTING CURB
MATCH EXISTING CURB
R/W LINE
P.C. STA. 232+39.78 ℄ B
95' RT. STA. 9+21.57 ℄ JEFFERSON ST.
P.T. STA. 133+77.74 ℄ A
140' LT. STA. 8+95.80 ℄ JEFFERSON ST.
CONST. 6" CONC. CURB & GUTTER
REMOVE HYDRANT AND VALVE
PROPOSED R/W
P.I. STA. 31+52.37 ℄ PLATT ST.
INSTALL HYDRANT AND VALVE
P.O.T. STA. 33+48.00 ℄ PLATT ST.
P.O.T. STA. 8+24.16 ℄ JEFFERSON ST.
(Now in Part)
RELOCATED SIGN
PROPOSED R/W
20' Sign
SEE SHEET NO. 10 FOR PROFILES OF ℄ "A" & ℄ "B"
℄ PLATT ST.
N 89°-53'-28" E
N 68°-56'-43" E
MATCH EXISTING CURB
SOD
END CURB
CONST. 6" CONC. CURB & GUTTER
MATCH EXISTING CURB
8" W.M.
END CONSTRUCTION STA. 35+04.00 ℄ PLATT ST.
CONST. TYPE "E" CURB & GUTTER
PLATT ST. CROWN LINE
OVERLAY EXISTING PAVEMENT (SEE CROSS-SECTIONS)
MATCH EXISTING PAVEMENT (SEE CROSS-SECTIONS)
BEGIN CONSTRUCTION STA. 32+52.23 ℄ PLATT ST.
CROWN LINE PLATT ST.
END CONSTRUCTION STA. 35+04.00 ℄ PLATT ST.
8" V.C.P.
24" R.C.P.
8" R.C.P.
2 Sty. Conc. Blk. Comm.
1 Sty. Conc. Blk. Comm.
Asphalt Parking Lot
Asphalt Drive
Concr. Sidewalk
Brick
Palm
46" Oak
34" Faucet
4W. I.C.
6" W.M.
8" W.M.
8" R.C.P.
8" V.C.P.
8" R.C.P.
8" R.C.P.
8" R

CROSS SECTIONS

Scale 1 inch = 5 feet

Fed. Road Dist. No.	State	County	Route	Proj. No.	Sheet No.
3	Fla.	HILLSBOROUGH			8

STATE PROJ. No. 10002-3517-032



NOTE:
COST OF ADJUSTING 8" AND 10" WATER LINES WHICH ARE IN CONFLICT WITH STORM SEWERS, AS SHOWN ON SHEET 8, SHALL BE INCLUDED IN THE BID PRICE PER L.F. FOR ITEM NO. 430-1-122 CONCRETE PIPE CULVERT (15" S.S.)

Contract No. 6B

AS BUILT

NO.	REVISIONS	BY	DATE
1	RELOCATION OF S-108 DUE TO P. POLE	E.E.P.	10/75

DRAINAGE STRUCTURE SECTIONS

Greiner Engineering Sciences, Inc.

Application No. ____
Route No. ____
Original Plotted by ____
" Checked by ____
Template by ____
Area by ____
Finals Plotted by ____
" Checked by ____
Area by ____
" Checked by ____

SECTION	CONTRACT	SOUTH CROSSTOWN EXPRESSWAY	SHEET NO.
	6C		1
By G.E.S	TAMPA-HILLSBOROUGH COUNTY EXPRESSWAY AUTHORITY		Date:

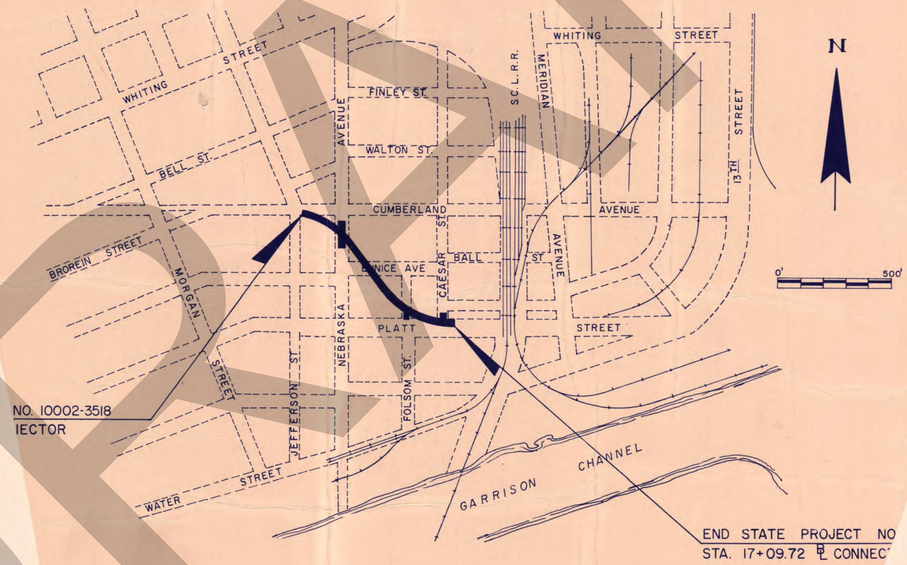
TAMPA - HILLSBOROUGH COUNTY EXPRESSWAY AUTHORITY

— PLANS OF PROPOSED —

SOUTH CROSSTOWN EXPRESSWAY

HILLSBOROUGH COUNTY TAMPA, FLORIDA

STATE PROJECT NO. 10002 - 3518 - 032



GOVERNING SPECIFICATIONS:

STATE OF FLORIDA, DEPARTMENT OF TRANSPORTATION, STANDARD SPECIFICATION DATED 1973, AND SUPPLEMENT THERETO DATED JUNE, 1975 OR AS MODIFIED BY THE CONTRACT SPECIAL PROVISIONS.

CONTRACT NO.
6C

CUMBERLAND AVENUE - PLATT STREET CONNECTOR
(PHASE TWO)

Greiner Engineering Sciences, Inc. - WATSON AND COMPANY
Consulting Engineers
To The Tampa - Hillsborough County Expressway Authority
P.O. BOX 23646
TAMPA, FLORIDA 33622
813/879-1711

CONTRACT NUMBER 6C - State Job No. 10002-3518

Description	Drawing Number Sheet No.
Cover Sheet (Cumberland Ave. Phase 2)	1
Drainage Map	2
Typical Sections	3
Plan and Profile	5
Plan and Profile	6
Plan and Profile	7
Drainage Structure Sections	8
Drainage Structure Sections	9

TOTAL No. MYLAR SHEETS 8.

DRAFT
AS BUILT
APR 27 1976

84/1

SECTION	CONTRACT	SOUTH CROSSTOWN EXPRESSWAY	SHEET NO.
	6C		1
By GES	TAMPA-HILLSBOROUGH COUNTY EXPRESSWAY AUTHORITY		Date:

TAMPA - HILLSBOROUGH COUNTY EXPRESSWAY AUTHORITY

—PLANS OF PROPOSED—

SOUTH CROSSTOWN EXPRESSWAY

HILLSBOROUGH COUNTY TAMPA, FLORIDA

STATE PROJECT NO. 10002 - 3518 - 032

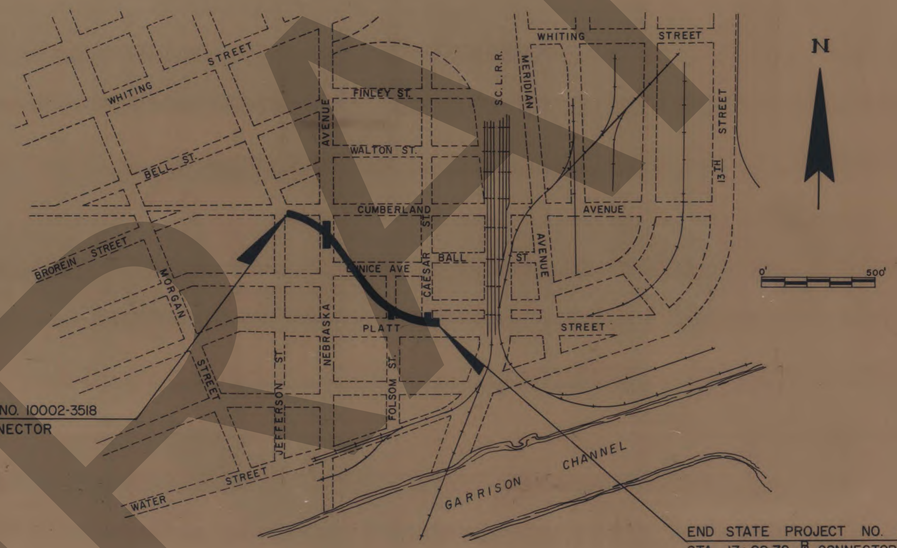
THIS CONTRACT PLAN SET INCLUDES:
- ROADWAY PLANS
- SIGNING AND PAVEMENT MARKING PLANS
- RIGHT - OF - WAY MAP

INDEX OF ROADWAY PLANS:

SHEET NO.	SHEET DESCRIPTION
1	KEY MAP
2	DRAINAGE MAP
3	TYPICAL SECTIONS
4	SUMMARY OF QUANTITIES
5 - 7	PLAN & PROFILE SHEETS
8 - 9	DRAINAGE STRUCTURE SECTIONS
10	SPECIAL PROFILES
11	SOILS INFORMATION SHEET
12 - 14	CROSS SECTIONS
15	STORAGE LOT LOCATION MAP
16	PROJECT INFORMATION SIGN

STANDARD DRAWINGS:

INDEX NO.	DRAWINGS
GEC - 05	EROSION CONTROL DEVICES, BALED HAY OR STRAW
GSA - 01	STANDARD ABBREVIATIONS
195	STANDARD SYMBOLS FOR KEY MAPS AND PLAN SHEETS (3 SHEETS)
1101 - W	MISCELLANEOUS ROADWAY CONSTRUCTION (2 SHEETS)
2300 - S	GUARDRAIL CONSTRUCTION DETAILS (5 SHEETS)
2892 - A	INLETS TYPE "TS"
5016 - B	TURNOUT DETAILS
5047 - G	INLET, MANHOLE, AND JUNCTION BOX TYPE P AND J (2 SHEETS)
5061 - E	MISC. DRAINAGE DETAILS (2 SHEETS)
5075 - B	SUPERELEVATION DETAILS FOR MUNICIPAL CONSTRUCTION (2 SHEETS)
5080 - G	CURB, CURB AND GUTTER, AND TRAFFIC SEPARATOR (2 SHEETS)



BEGIN STATE PROJECT NO. 10002-3518
STA. 8+24.22 ℄ CONNECTOR

END STATE PROJECT NO. 10002-3518
STA. 17+09.72 ℄ CONNECTOR



PLANS PREPARED BY:
Greiner Engineering Sciences, Inc.

LENGTH OF PROJECT		
STATE PROJECT NO. 10002-3518		
	LIN. FEET	MILES
ROADWAY	885.50	0.1677
BRIDGES	0.00	0.0000
GROSS LENGTH	885.50	0.1677
EXCEPTIONS	0.00	0.0000
NET LENGTH	885.50	0.1677

GOVERNING SPECIFICATIONS:

STATE OF FLORIDA, DEPARTMENT OF TRANSPORTATION, STANDARD SPECIFICATION DATED 1973, AND SUPPLEMENT THERETO DATED JUNE, 1975 OR AS MODIFIED BY THE CONTRACT SPECIAL PROVISIONS.

AS BUILT
APRIL 27 1976

ATTENTION IS DIRECTED TO THE FACT THAT THESE PLANS MAY HAVE BEEN REDUCED IN SIZE BY REPRODUCTION. THIS MUST BE CONSIDERED WHEN OBTAINING SCALED DATA.

APPROVAL RECOMMENDED 8-14-75
BY W. Dale Lester
GREINER - WATSON

APPROVED 8-15-75
BY Theodore G. Task
CHAIRMAN
TAMPA-HILLSBOROUGH COUNTY EXPRESSWAY AUTHORITY

CONTRACT NO.
6C

CUMBERLAND AVENUE - PLATT STREET CONNECTOR
(PHASE TWO)

Greiner Engineering Sciences, Inc.
CONSULTING ENGINEERS TAMPA, FLORIDA

SUBMITTED Rene' P. Leach DATE AUG. 11, 1975

84/1

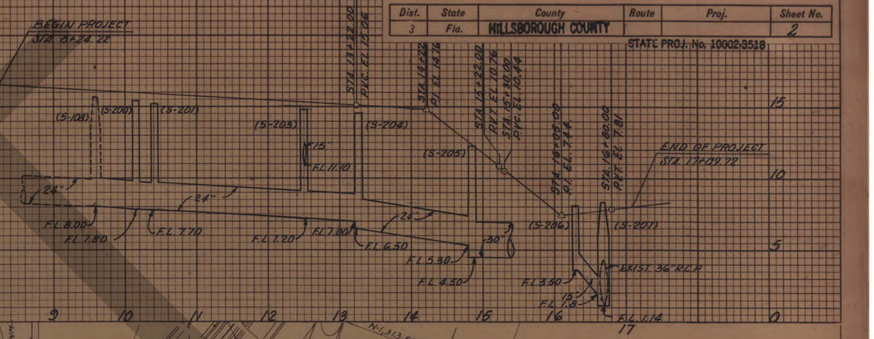
4-27-76

DRAFT

DRAINAGE MAP

Dist.	State	County	Route	Proj.	Sheet No.
3	Fla.	HILLSBOROUGH COUNTY			2

STATE PROJ. No. 10002-3518





MANHOLE - TOP EL. 11.52
18" C.P. NW. F.L. 2.92
42" C.P. E. F.L. 0.29
42" C.P. S. F.L. 0.29
30" C.P. N. F.L. 4.20

MANHOLE-TOP EL. 8.61
18" C.P. NE. F.L. 2.50
18" C.P. SE. F.L. 2.53
42" C.P. E. F.L. 0.53
36" C.P. N. F.L. 1.02

END CONSTRUCTION
STATE PROJ. NO 10002-3518
STA. 17+09.72 & CONNECTOR

AS BUILT
APRIL 27 1976

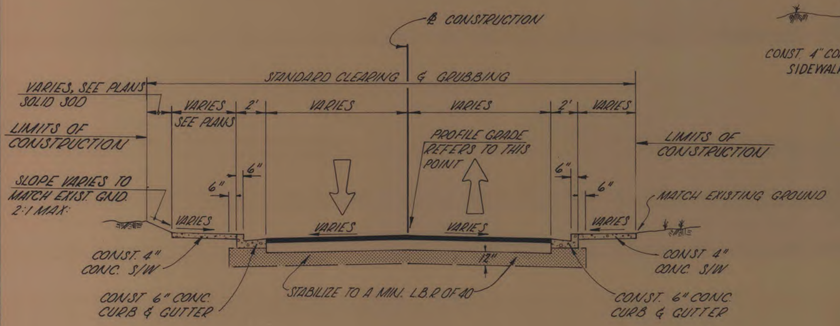
Contract No. GC

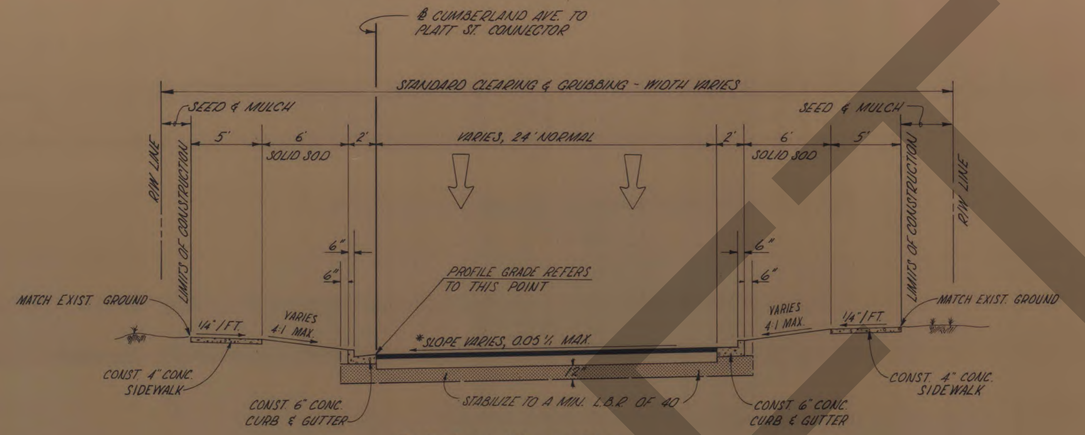
84/1

DRAFT

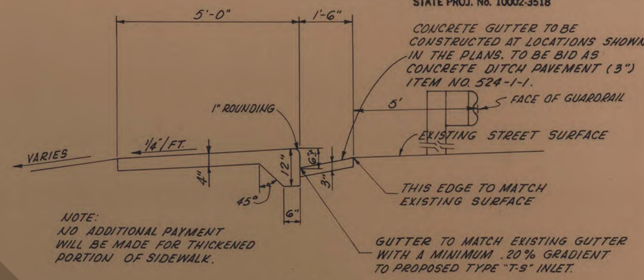
SECTION	CONTRACT	SOUTH CROSSTOWN EXPRESSWAY	SHEET NO.
	6C		3
By: GES	TAMPA-HILLSBOROUGH COUNTY EXPRESSWAY AUTHORITY		Date:

STATE PROJ. No. 10002-3518

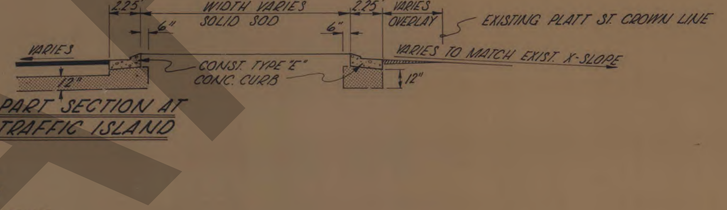




* SEE PLAN FOR S.E. TRANS.



DETAIL
SIDEWALK CROSSING EXIST. STREET



PART SECTION AT TRAFFIC ISLAND

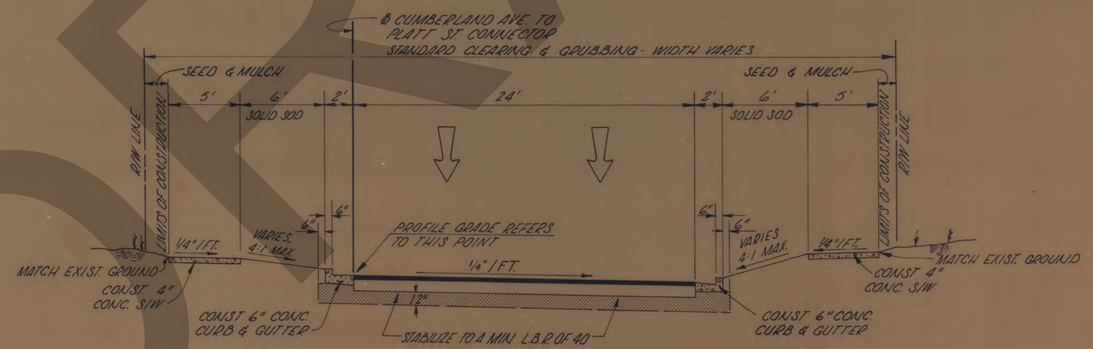
NO. 2 TYPICAL SECTION CUMBERLAND AVE. TO PLATT ST. CONNECTOR

LIMEROCK BASE (9" THICK, DOUBLE COURSE) PRIMED, WITH TYPE S-1 ASPHALTIC CONCRETE (2" THICK) BOTTOM LAYER, AND ASPHALTIC CONCRETE WEARING COURSE (1" THICK) TOP LAYER. FOR ADDITIONAL DETAILS, SEE INDEX NOS. 1101, 5016, 5075, & 5080. DESIGN SPEED - 30 M.P.H.

STA 13+12.42 TO STA 16+82.50

TYPICAL SECTION CROSS STREETS

LIMEROCK BASE (9" THICK, DOUBLE COURSE) PRIMED, WITH TYPE S-1 ASPHALTIC CONCRETE (2" THICK) BOTTOM LAYER, AND ASPHALTIC CONCRETE WEARING COURSE (1" THICK) TOP LAYER. FOR ADDITIONAL DETAILS, SEE INDEX NO'S. 1101, 5016, & 5080.



NO. 1 TYPICAL SECTION CUMBERLAND AVE. TO PLATT ST. CONNECTOR

LIMEROCK BASE (9" THICK, DOUBLE COURSE) PRIMED, WITH TYPE S-1 ASPHALTIC CONCRETE (2" THICK) BOTTOM LAYER, AND ASPHALTIC CONCRETE WEARING COURSE (1" THICK) TOP LAYER. FOR ADDITIONAL DETAILS, SEE INDEX NOS. 1101, 5016, 5075 & 5080. DESIGN SPEED - 30 M.P.H.

STA 8+24.22 TO STA 13+12.42

DRAFT

NO.	REVISION	BY	DATE

TAMPA - HILLSBOROUGH COUNTY EXPRESSWAY AUTHORITY

SOUTH CROSSTOWN EXPRESSWAY

TYPICAL SECTIONS

J. E. GREINER COMPANY — WATSON & COMPANY
CONSULTING ENGINEERS TAMPA, FLORIDA

MADE GKP DATE 3/75 TRACED DATE
CHECKED MDB DATE 4/75 SCALE

Contract No. 6C

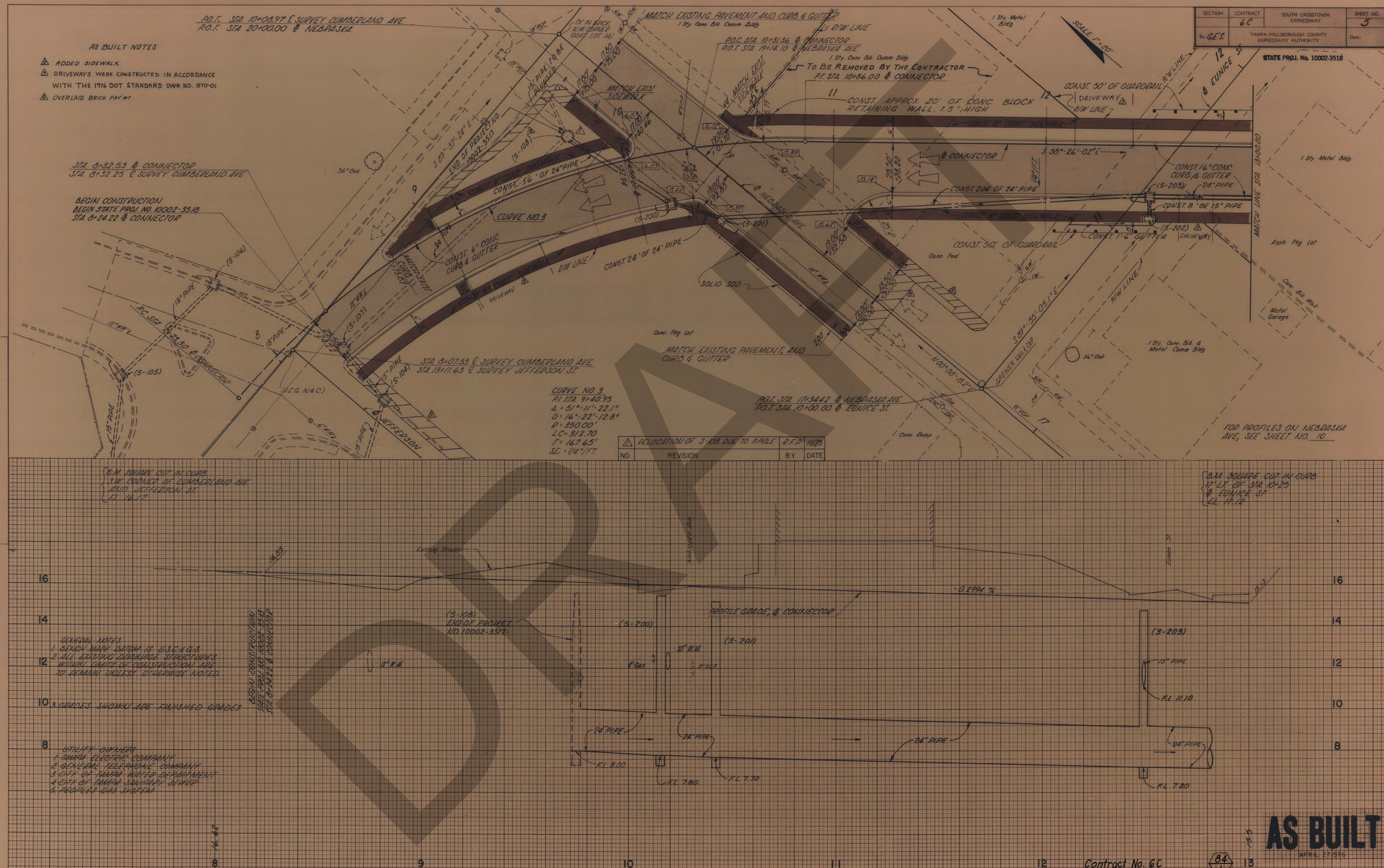
AS BUILT
APRIL 27 1976

84/1

DIETZGEN CORP. – ORLANDO 13M6-3 200 3-73

SECTION	CONTRACT	SOUTH CROSSTOWN EXPRESSWAY	SHEET NO.
	6C		5
By: G.E.S.	TAMPA-HILLSBOROUGH COUNTY EXPRESSWAY AUTHORITY		Date:

STATE PROJ. No. 10002-3518



NO.	REVISION	BY	DATE
1	RELOCATION OF S-108 DUE TO P.POLE	R.F.P.	11/75

Contract No. 6C

84/1

AS BUILT

APRIL 27 1976

DRAFT

Greiner Engineering Sciences, Inc.
CONSULTING ENGINEERS TAMPA, FLORIDA

FINAL SURVEY		BY	DATE
NOTE BOOK	SURVEYED		
NO.	PLOTTED		
	TEMPLATE		
	AREAS		
	AREAS CHECKED		

ORIGINAL SURVEY		BY	DATE
NOTE BOOK	SURVEYED		
NO.	PLOTTED		
	TEMPLATE		
	AREAS		
	AREAS CHECKED		

SECTION	CONTRACT	SOUTH CROSSTOWN EXPRESSWAY	SHEET NO.
	6C		6
By: G.E.S.		TAMPA-HILLSBOROUGH COUNTY EXPRESSWAY AUTHORITY	Date:

STATE PROJ. No. 10002-3518

SCALE 1"=20'

MATCH LINE STA. 13+00.00

R/W LINES

TO BE REMOVED BY THE CONTRACTOR

1 Sty. Conc. Blk. & Metal Comm. Bldg.

Metal Garage

DRIVEWAY

S 30°-26'-02" E

(S-204)

CONST. 73' OF 24" PIPE

CONST. 157' OF 24" PIPE

CONST. 6" CONC. CURB & GUTTER

1 Sty. Conc. Blk. Comm. Bldg.

1 Sty. Metal Comm. Bldg.

Metal Car Port

TO BE REMOVED BY THE CONTRACTOR

128

℄ PLATT

STA 128+37.71 ℄ PLATT ST.
STA 2+64.84 ℄ FOLSOM ST.

Conc. S/W

1 Sty. Metal Comm. Bldg.

P.C. STA 14+05.42

℄ FOLSOM ST.

N 00°-25'-19.0" E

CONST. 80' OF GUARDRAIL

P.O.C. STA 14+78.68 ℄ CONNECTOR
P.O.T. STA 3+37.08 ℄ FOLSOM ST.

Existing Gasoline Tank (TO BE REMOVED)

15

CONST. 1'-6" CONC. GUTTER CURVE NO. 4

R/W LINE

℄ CONNECTOR

CONST. 116' OF 30" PIPE

Gap Filler

Abandoned Gas Island

(S-206)

Conc. Drive

DRIVEWAY

R/W LINES

3

129

Conc. S/W

Begin Sidewalk

Ex. Traffic Mast Arm

OVERLAY

SOLID SOD

CONST. 6" CONC. CURB & GUTTER

CONST. 10' CURB TRANSITION

CONST. TYPE "E" CURB & GUTTER

PLATT ST. CROWN LINE

Existing Edge of Travel, Platt St.

STA 130+00.00 ℄ PLATT ST.
STA 2+60.18 ℄ CAESAR ST.

MATCH EXISTING

P.O.C. STA 16+39.62 ℄ CONNECTOR
P.O.T. STA 2+63.06 ℄ CAESAR ST.

CONST. 32' OF 15" PIPE DRIVE WAY RETURN, NO. 1

16

17

DROP CURB

CONST. 6" CONC. CURB & GUTTER

1 Sty. Metal Comm. Bldg.

Phone Booth

℄ CAESAR ST.

N 00°-27'-21.4" E

24" RCP

15" RCP

42" RCP

18" RCP

S 80°-14'-32.0" E

131

P.I. STA 17+09.72

CURVE NO. 4
P.I. STA. 15+67.94
Δ = 49°-48'-49.7"
D = 16°-22'-12.8"
R = 350.00'
LC = 304.30
T = 162.52
S.E. = 0.051 Ft.

END CONSTRUCTION
END STATE PROJECT NO. 10002-3516-032
STA. 17+09.72 ℄ CONNECTOR

NO	REVISION	BY	DATE
3	REVISED CURB ALIGNMENT		
2	DRIVEWAYS WERE CONSTRUCTED IN ACCORDANCE WITH DOT STANDARD DRAWING NO. 870-01		
1	DRIVEWAY SHOWN @ STA. 15+15	MJB	8/1/75

Greiner Engineering Sciences, Inc.
CONSULTING ENGINEERS TAMPA, FLORIDA

FINAL SURVEY — SURVEYED, PLOTTED, TEMPLATE, AREAS CHECKED — BY — DATE — NOTE BOOK — NO.

ORIGINAL SURVEY — SURVEYED, PLOTTED, TEMPLATE, AREAS CHECKED — BY — DATE — NOTE BOOK — NO.

---

6 M. SQUARE CUT IN CURB N.W. CORNER OF PLATT ST. AND FOLSOM ST. EL. 12.04

6 M. SQUARE CUT IN CURB 12' RT. OF STA. 0+32 ℄ CAESAR ST. EL. 9.54

PROFILE GRADE, ℄ CONNECTOR

(S-204)

(S-205)

(S-206)

(S-207)

24" PIPE

24" PIPE

30" PIPE

200' V.C.

150' V.C.

P.V.I. STA. 14+22.00
EL. 14.76

-0.22PM %

P.V.I. STA. 14+80.00
EL. 10.04

+0.4933 %

P.V.I. STA. 16+80.00
EL. 7.01

Existing Ground

Conc. St.

Ex. Inlet

Ex. Inlet

TO EXIST. MANHOLE ON PLATT ST.

P.V.I. STA. 16+00.00
EL. 7.88

8" MIN.

18" RCP

36" RCP

15" PIPE

MATCH EXISTING PAVT.

END CONSTRUCTION
STATE PROJ. NO. 10002-3516
STA. 17+09.72 ℄ CONNECTOR

F.L. 7.00

F.L. 6.50

F.L. 5.30

F.L. 4.50

F.L. 3.50

13.5 13 14 15 16 17

16 14 12 10 8

AS BUILT

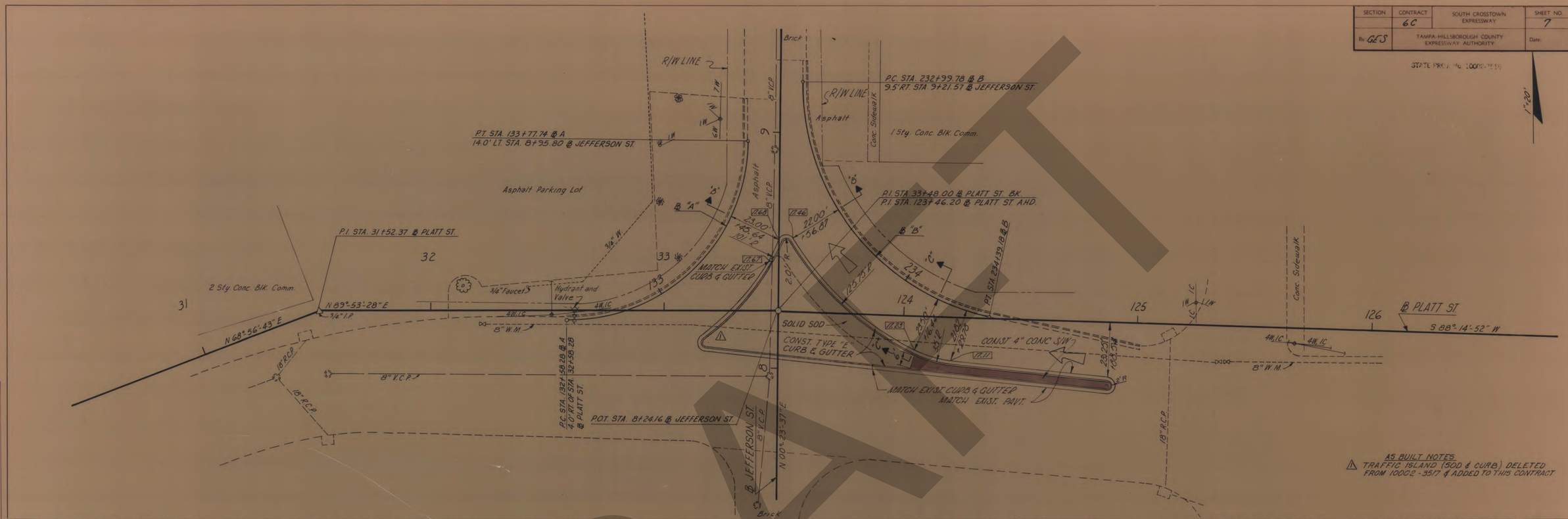
APRIL 27 1976

Contract No. 66

84
1

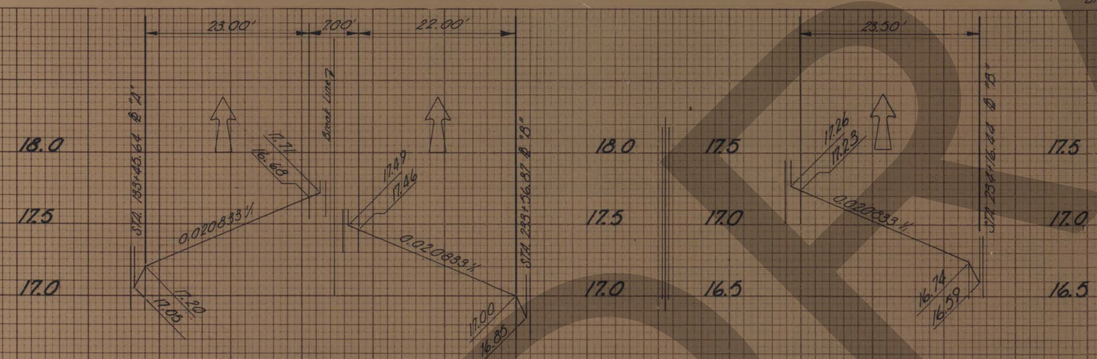
SECTION	CONTRACT	SOUTH CROSSTOWN EXPRESSWAY	SHEET NO.
	6C		7
By: GES	TAMPA-HILLSBOROUGH COUNTY EXPRESSWAY AUTHORITY		Date:

STATE PROJ. No. 10002-3519



AS BUILT NOTES
△1 TRAFFIC ISLAND (SOD & CURB) DELETED FROM 10002-3517 & ADDED TO THIS CONTRACT

B.M. SQUARE CUT IN CURB
S.W. CORNER OF EUNICE ST.
& JEFFERSON ST.
ELEV. 18.072



SECTION "B-B"
SCALE: 1"=10' HORIZ.
1"=0.5' VERT.

SECTION "C-C"
SCALE: 1"=10' HORIZ.
1"=0.5' VERT.

FINAL SURVEY		BY	DATE
NOTE BOOK	SURVEYED		
NO.	PLOTTED		
	TEMPLATE		
	AREAS		
	AREAS CHECKED		

ORIGINAL SURVEY		BY	DATE
NOTE BOOK	SURVEYED		
NO.	PLOTTED		
	TEMPLATE		
	AREAS		
	AREAS CHECKED		

Greiner Engineering Sciences, Inc.
CONSULTING ENGINEERS TAMPA, FLORIDA

DRAFT

AS BUILT

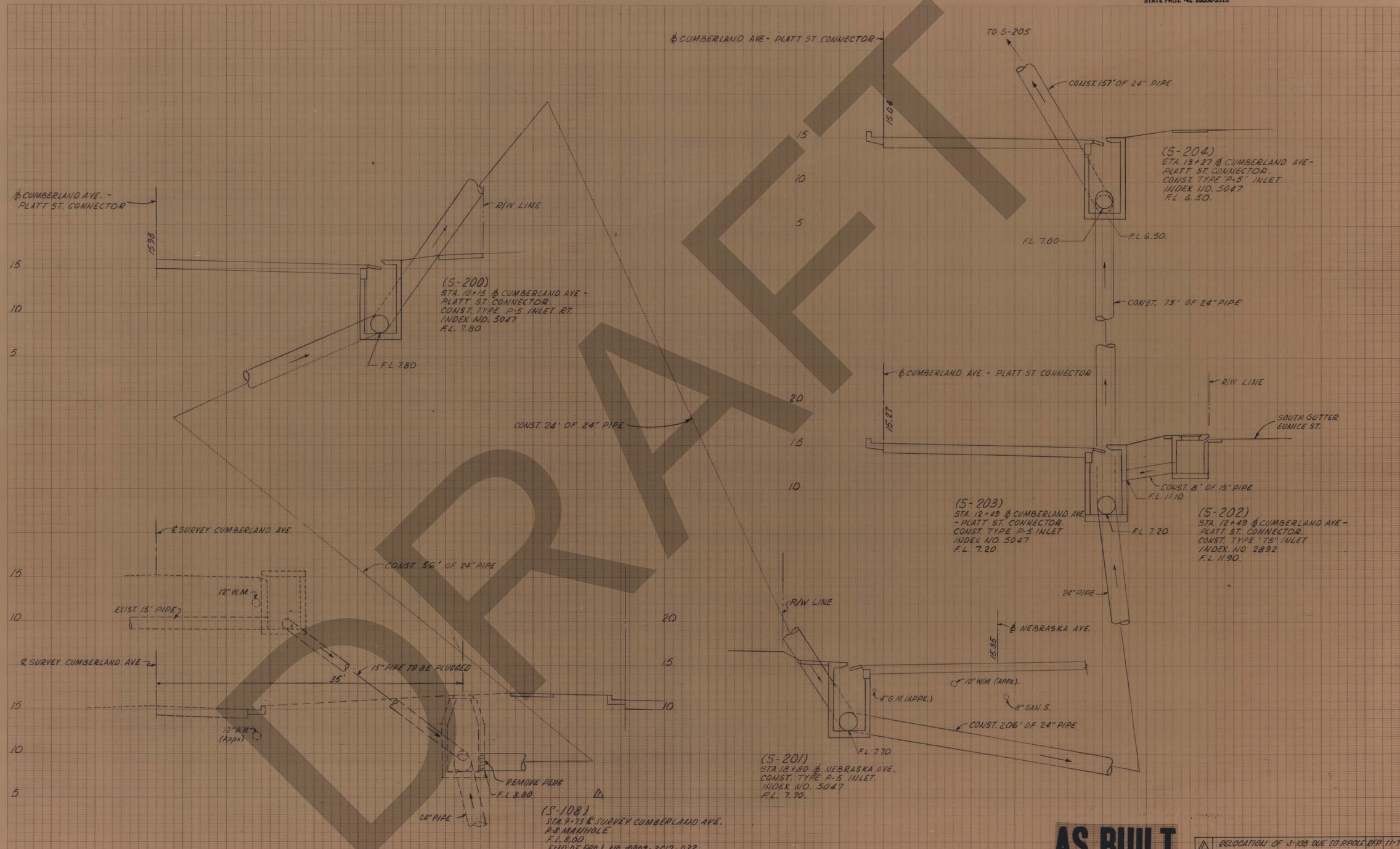
APRIL 27, 1976

Contract No. 6C

84/1

Fed. Road Distr. No.	State	County	Route	Proj. No.	Sheet No.
3	Fla.	HILLSBOROUGH COUNTY			8

STATE PROJ. No. 10002-3518



DRAFT

Application No. _____
Route No. _____
Original Platted by _____
" Checked by _____
Template by _____
Area by _____
Finals Platted by _____
" Checked by _____
Area by _____
" Checked by _____

AS BUILT
APRIL 27, 1976

NO.	REVISIONS	BY	DATE
⚠	RELOCATION OF S-108 DUE TO P.POLE DEP.		11-75

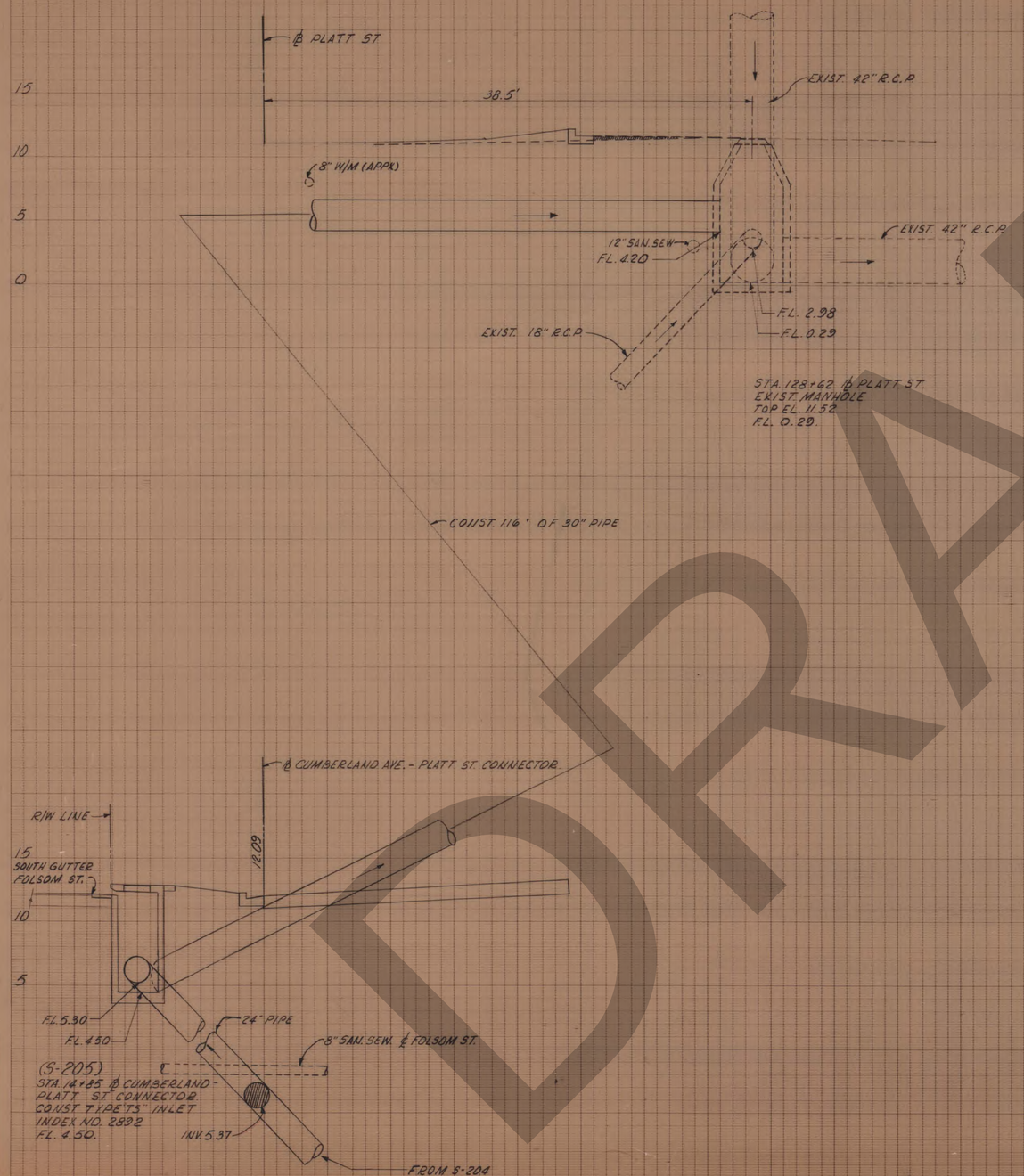
DRAINAGE STRUCTURE SECTIONS

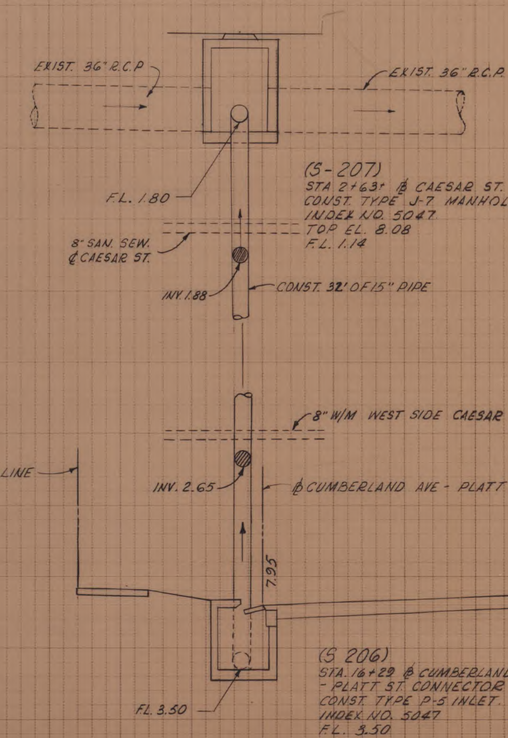
Contract No. GC

84/1

Fed. Road Distr. No.	State	County	Route	Proj. No.	Sheet No.
3	Fla.	HILLSBOROUGH COUNTY			9

STATE PROJ. No. 10002-3518





DRAFT

Application No. _____
Route No. _____
Original Plotted by _____
" Checked by _____
Template by _____
Area by _____
Finals Plotted by _____
" Checked by _____
Area by _____
" Checked by _____

AS BUILT
APRIL 27 1976

DRAINAGE STRUCTURE SECTIONS

Contract No. GC

BA 1

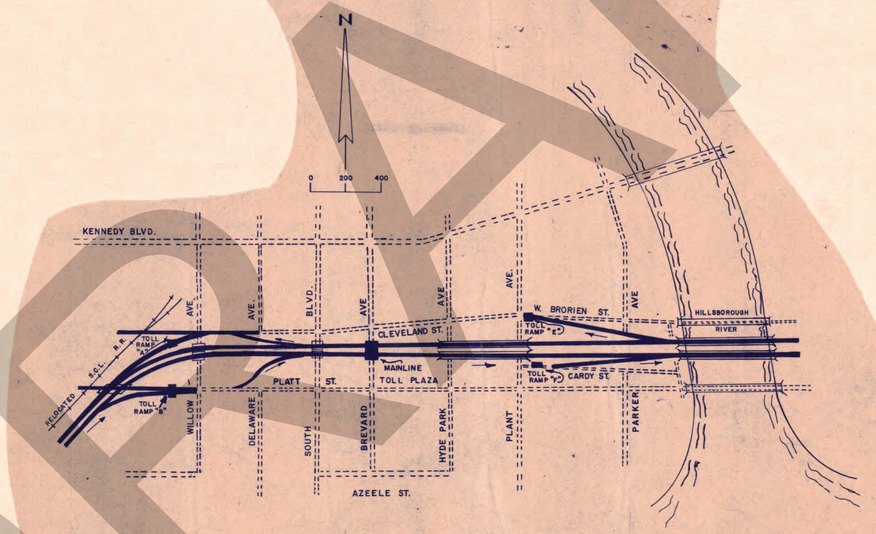
TAMPA - HILLSBOROUGH COUNTY EXPRESSWAY AUTHORITY

— PLANS OF PROPOSED —

SOUTH CROSSTOWN EXPRESSWAY

HILLSBOROUGH COUNTY TAMPA, FLORIDA

STATE PROJECT NO. 10002-3507-032
STATE ROAD NO. 449
MAINLINE AND RAMP TOLL PLAZAS



ATTENTION IS DIRECTED TO THE FACT THAT THESE PLANS MAY HAVE BEEN REDUCED IN SIZE BY REPRODUCTION. THIS MUST BE CONSIDERED WHEN OBTAINING SCALED INFORMATION.

CONTRACT NO. 7

MAINLINE AND RAMPS "A", "B", "E", & "F"
TOLL PLAZA CONSTRUCTION

Greiner Engineering Sciences, Inc. - WATSON AND COMPANY
Consulting Engineers
To The Tampa - Hillsborough County Expressway Authority
P. O. BOX 23648
TAMPA, FLORIDA 33622
813/879-1711

CONTRACT NUMBER 7 - State Job No. 10002-3507

Description	Drawing Number Sheet No.
Cover Sheet - Toll Plaza Construction	
Mainline Toll Plaza, Plumbing Site Plan	M-1
Toll Plaza "A" -Plumbing Site Plan	M-3
Toll Plaza "B" -Plumbing Site Plan	M-4
Toll Plazas "E" & "F"-Plumbing Site Plan	M-5

TOTAL NO. MYLAR SHEETS 4.

AS BUILT

NOV 15 1975

84

DRAFT

TAMPA - HILLSBOROUGH COUNTY EXPRESSWAY AUTHORITY

—PLANS OF PROPOSED—

SOUTH CROSSTOWN EXPRESSWAY

HILLSBOROUGH COUNTY TAMPA, FLORIDA

STATE PROJECT NO. 10002-3507-032
STATE ROAD NO. 449
MAINLINE AND RAMP TOLL PLAZAS

INDEX OF DRAWINGS

SHEET NO.	TITLE
- -	COVER SHEET
	ARCHITECTURAL
	MAINLINE TOLL PLAZA
A-1	SITE PLAN
A-1 a	ROADWAY CONTRACT GRADING PLAN
A-2	FOUNDATION PLAN AND PARKING AREA PLAN
A-3	FLOOR PLANS & SCHEDULES
A-4	OPERATIONS BUILDING ELEVATIONS
A-5	OPERATIONS BUILDING EXTERIOR WALL SECTIONS
A-6	OPERATIONS BUILDING FLOOR AND ROOF FRAMING
A-7	MISCELLANEOUS DETAILS
A-8	CANOPY ELEVATIONS
A-9	CANOPY ROOF PLAN AND SECTIONS
A-10	CANOPY SECTIONS AT THE ELECTRICAL SIGN CABINETS
A-11	TOLL ISLANDS FOR LANES #2 & #13 TOILET AND STAIR DETAILS
A-12	UNATTENDED TOLL ISLANDS, #4, #11, #5 AND #10
A-13	TOLL ISLANDS NO. 3 AND NO. 12.
A-14	TOLL BOOTH PLAN, SECTIONS AND DETAILS
	RAMP TOLL PLAZAS
A-15	RAMP "A" SITE PLAN
A-16	RAMP "A" PLAN ELEVATIONS & SECTIONS
A-17	RAMP "A" ATTENDED TOLL BOOTH ISLAND TOILET AND STAIR DETAILS
A-18	RAMP "A" NORTH AND SOUTH TOLL ISLANDS DETAILS
A-19	RAMP "A" UNATTENDED TOLL ISLAND
A-20	RAMP "B" SITE PLAN
A-21	RAMP "B" PLAN-ELEVATIONS & SECTIONS
A-22	RAMP "B" ATTENDED TOLL BOOTH ISLAND TOILET AND STAIR DETAILS
A-23	RAMP "B" NORTH AND SOUTH TOLL ISLANDS
A-24	RAMP "B" UNATTENDED TOLL ISLAND
A-25	"E" & "F" SITE PLANS
A-26	RAMP "E" PLAN-ELEVATIONS & SECTIONS
A-27	RAMP "E" ATTENDED TOLL BOOTH ISLAND AND TOILET AND STAIR DETAILS
A-28	RAMP "E" UNATTENDED TOLL ISLAND SECTIONS & DETAILS
A-29	RAMP "E" NORTH AND SOUTH TOLL ISLANDS
A-30	RAMP "F" PLAN-ELEVATIONS & SECTIONS
A-31	RAMP "F" ATTENDED TOLL BOOTH ISLAND AND TOILET AND STAIR DETAILS
A-32	RAMP "F" UNATTENDED TOLL ISLAND
A-33	RAMPS "A", "B", "E", & "F" SIGN DETAILS
A-34	TOLL BOOTH DETAILS FOR RAMPS A, B, E, & F
	STRUCTURAL
	MAINLINE TOLL PLAZA
S-1	CANOPY FRAMING & FOUNDATION PLAN
S-2	CANOPY SECTIONS & DETAILS
S-3	TUNNEL & DETAILS
S-4	STAIRWAY TO TOILET AND TUNNEL DETAILS AT LANES #2 AND #13
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	RAMP TOLL PLAZAS
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S-6	"B" STRUCTURAL DETAILS
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S-8	"F" STRUCTURAL DETAILS

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M-1	MAINLINE TOLL PLAZA-PLUMBING SITE PLAN
M-2	MAINLINE TOLL PLAZA-OPERATIONS BUILDING-PLUMBING PLANS AND DETAILS
M-2 a	MAINLINE TOLL PLAZA-OPERATIONS BUILDING-PLUMBING DIAGRAMS AND DETAILS
M-3	TOLL PLAZA "A" - PLUMBING SITE PLAN
M-4	TOLL PLAZA "B" - PLUMBING SITE PLAN
M-5	TOLL PLAZAS "E" & "F" - PLUMBING SITE PLAN
M-6	TOLL ISLAND-TOILET-TYPICAL PLUMBING DETAILS
M-7	TOLL PLAZAS-TYPICAL PLUMBING DETAILS
M-8	MAINLINE TOLL PLAZA-OPERATIONS BUILDING-AIR CONDITIONING PLANS AND DETAILS
M-9	MAINLINE TOLL PLAZA-OPERATIONS BUILDING-AIR CONDITIONING SCHEDULES AND DETAILS
M-10	MAINLINE TOLL PLAZA-OPERATIONS BUILDING-REFLECTED CEILING PLANS
M-11	TOLL COLLECTION BOOTH-AIR CONDITIONING DETAILS



SUMMARY OF QUANTITIES			
ITEM NO.	ITEM	UNIT	QUANTITY
735-74	TOLL PLAZA	LUMP SUM	1



INDEX OF DRAWINGS (CONTINUED)

SHEET NO.	TITLE
	ELECTRICAL
	MAINLINE TOLL PLAZA
E-1	ELECTRICAL SITE PLAN, DETAILS, LEGEND, AND LIGHTING FIXTURE SCHEDULE
E-2	UNDERGROUND RACEWAY PLAN AND DETAILS
E-3	CANOPY LIGHTING PLAN AND DETAILS
E-4	OPERATIONS'S BUILDING LIGHTING, POWER, AND DETAILS
E-5	TUNNEL LIGHTING PLAN, DETAILS, AND TYPICAL TOLL BOOTH AND STAIRWAY TOILET
E-6	POWER DISTRIBUTION AND CONTROL DIAGRAMS, PANEL SCHEDULES AND MISCELLANEOUS DETAILS
E-7 & E-8	ELECTRICAL PANEL SCHEDULES
	RAMP TOLL PLAZAS
E-9 & E-10	TOLL PLAZA "A" & TOLL PLAZA "B" - ELECTRICAL SITE PLAN, UNDERGROUND RACEWAY PLAN, PANEL SCHEDULES, POWER DISTRIBUTION AND CONTROL DIAGRAMS, AND DETAILS.
E-11	TOLL PLAZAS "E" & "F"- ELECTRICAL SITE PLAN, DETAILS, AND PANEL SCHEDULES.
E-12	TOLL PLAZAS "E" & "F"- ELECTRICAL UNDERGROUND RACEWAY PLAN, DETAILS, AND POWER DISTRIBUTION AND CONTROL DIAGRAMS.
E-13	TOLL PLAZAS "A", "B", "E" & "F"-TYPICAL CANOPY LIGHTING PLANS AND DETAILS.
E-14	TOLL PLAZAS "A", "B", "E" & "F"-TYPICAL SERVICE BUILDING PLANS AND TYPICAL TOLL BOOTH DETAILS.

FLORIDA D.O.T. INDEX DRAWINGS

5071J	SHEETS 1, 2, 3 OF 3
5072G	SHEET 1 OF 2
2300S	SHEET 4 OF 5

ATTENTION IS DIRECTED TO THE FACT THAT THESE PLANS MAY HAVE BEEN REDUCED IN SIZE BY REPRODUCTION. THIS MUST BE CONSIDERED WHEN OBTAINING SCALED INFORMATION.

GENERAL SPECIFICATION

FLORIDA DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION - 1973 OR AS MODIFIED BY THE CONTRACT SPECIAL PROVISIONS.

PREPARED BY THE CONTRACTOR (STANDARD CONSTRUCTION OF FLORIDA NOV 15 1975)

AS BUILT

APPROVAL RECOMMENDED JUNE 25, 1974

BY _____

J.E. GREINER CO. INC. - WATSON & COMPANY
CONSULTING ENGINEERS

APPROVED JUNE 26, 1974

BY _____
CHAIRMAN

TAMPA-HILLSBOROUGH COUNTY EXPRESSWAY AUTHORITY

CONTRACT NO. 7

MAINLINE AND RAMPS "A", "B", "E", & "F"
TOLL PLAZA CONSTRUCTION

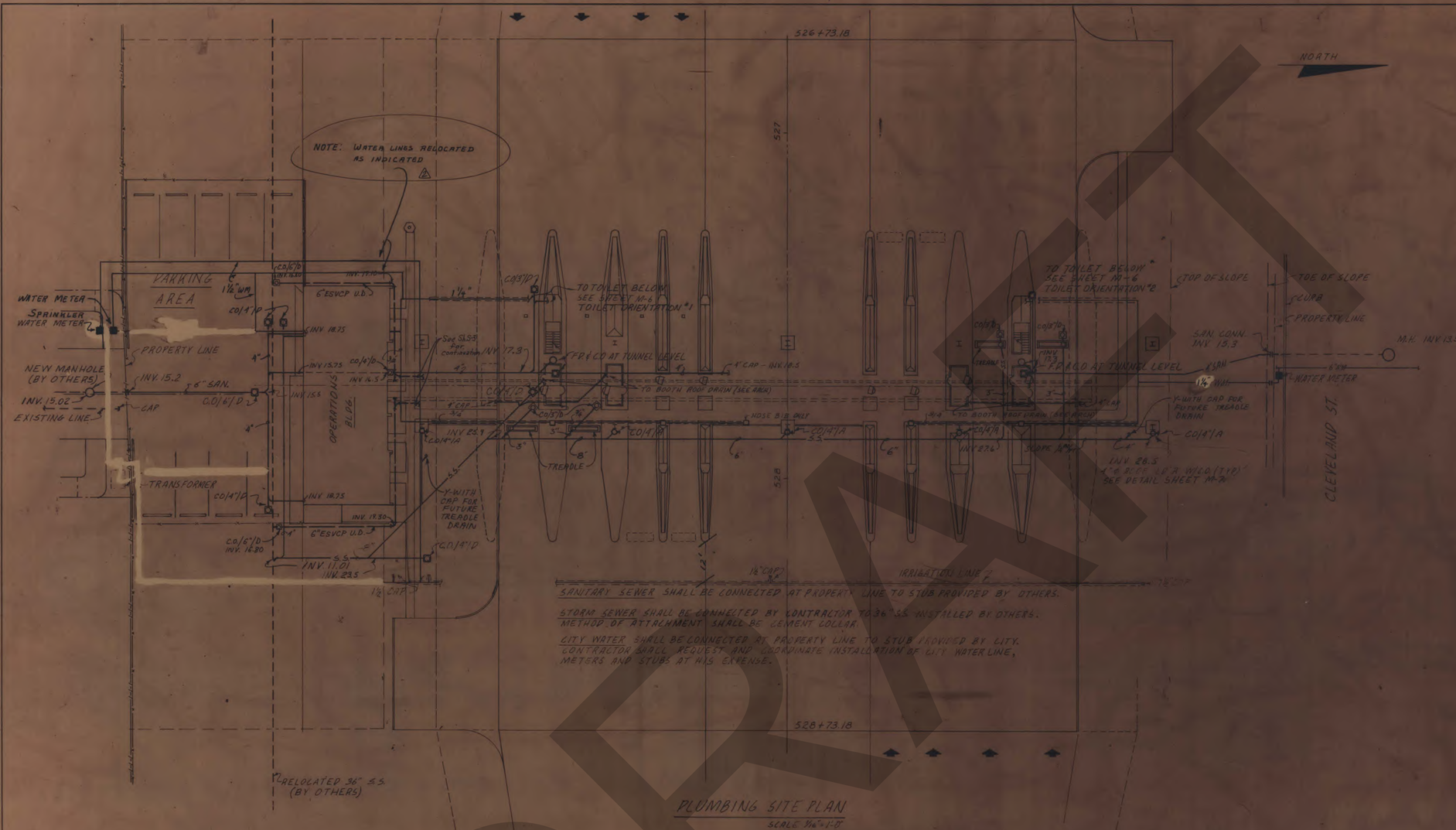
J. E. GREINER COMPANY, INC.
CONSULTING ENGINEERS
TAMPA FLORIDA

SUBMITTED _____ DATE JUNE 24, 1974

84
1

DRAFT

SECTION	CONTRACT	SOUTH CROSSTOWN EXPRESSWAY	SHEET NO.
10002	3507		M-1
By: JEG	TAMPA-HILLSBOROUGH COUNTY EXPRESSWAY AUTHORITY		Date: 6/74



SANITARY SEWER SHALL BE CONNECTED AT PROPERTY LINE TO STUB PROVIDED BY OTHERS.

STORM SEWER SHALL BE CONNECTED BY CONTRACTOR TO 36" S.S. INSTALLED BY OTHERS. METHOD OF ATTACHMENT SHALL BE CEMENT COLLAR.

CITY WATER SHALL BE CONNECTED AT PROPERTY LINE TO STUB PROVIDED BY CITY. CONTRACTOR SHALL REQUEST AND COORDINATE INSTALLATION OF CITY WATER LINE, METERS AND STUBS AT HIS EXPENSE.

PLUMBING SITE PLAN
SCALE 1/16"=1'-0"

MECHANICAL LEGEND

PLUMBING

- Floor Drain
- Clean Out At Grade
- Clean Out On Vertical Pipe
- -SAN- Sanitary Sewer Pipe
- -S.S.- Storm Sewer Pipe
- -WM- Water Main
- City Water Hydrant
- Valve
- Enclased Pipe
- V Valve
- C.O. Clean Out
- F.D. Floor Drain

IDENTIFICATION OF PLUMBING DEVICES
ITEM, SIZE, TYPE*
EXAMPLE V, 3/4", A*
* DESCRIBED IN SPECIFICATION

PREPARED BY THE CONTRACTOR (STANDARD CONSTRUCTION OF FLA.)

AS BUILT

NO	REVISION	BY	DATE
2	REVISED AS BUILT	S.C.C.F.	1-76
1	General Revision No. 1 - Added Underdrain and Revised Treadle location	DBH	7/74

TAMPA - HILLSBOROUGH COUNTY EXPRESSWAY AUTHORITY

SOUTH CROSSTOWN EXPRESSWAY

MAINLINE TOLL PLAZA

PLUMBING SITE PLAN

J. E. GREINER COMPANY — WATSON & COMPANY
CONSULTING ENGINEERS TAMPA, FLORIDA

MADE LDV	DATE 8/73	TRACED LDV	DATE 8/73
CHECKED LDV	DATE 6/74	SCALE AS SHOWN	

84/1

CONTRACT NO. 7 SHEET NO. M-1 OF 11

DRAFT

SECTION	CONTRACT	SOUTH CROSSTOWN EXPRESSWAY	SHEET NO.
10002	3507		M-3
By: JEG		TAMPA-HILLSBOROUGH COUNTY EXPRESSWAY AUTHORITY	Date: 6/74

UTILITIES

WATER: CONTRACTOR SHALL REQUEST FOR INSTALLATION OF WATER METER AND STUB TO PROPERTY LINE BY CITY OF TAMPA AT CONTRACTOR'S EXPENSE.

SANITARY SEWER: CONTRACTOR SHALL EXTEND INTO EXISTING MANHOLE.

STORM SEWER: CONTRACTOR SHALL EXTEND AND CONNECT TO S.S. WITH CONC. COLLAR.

MECHANICAL LEGEND

PLUMBING

- Floor Drain
- Clean Out At Grade
- Clean Out On Vertical Pipe
- -SAN- Sanitary Sewer Pipe
- -S.S.- Storm Sewer Pipe
- -WM- Water Main
- City Water Hydrant
- Valve
- Enclased Pipe
- V Valve
- C.O. Clean Out
- F.D. Floor Drain



PLAZA "A" — PLUMBING SITE PLAN

SCALE 1/8" = 1'-0"

IDENTIFICATION OF PLUMBING DEVICES

ITEM, SIZE, TYPE*

EXAMPLE V, 3/4", A*

* DESCRIBED IN SPECIFICATION

PREPARED BY THE CONTRACTOR (STANDARD CONSTRUCTION OF F.C.A.)

AS BUILT

NO.	REVISION	BY	DATE
1	REVISED AS BUILT	S.C.C.F.	1-76

TAMPA-HILLSBOROUGH COUNTY EXPRESSWAY AUTHORITY

SOUTH CROSSTOWN EXPRESSWAY

TOLL PLAZA "A"

PLUMBING SITE PLAN

J. E. GREINER COMPANY — WATSON & COMPANY
CONSULTING ENGINEERS TAMPA, FLORIDA

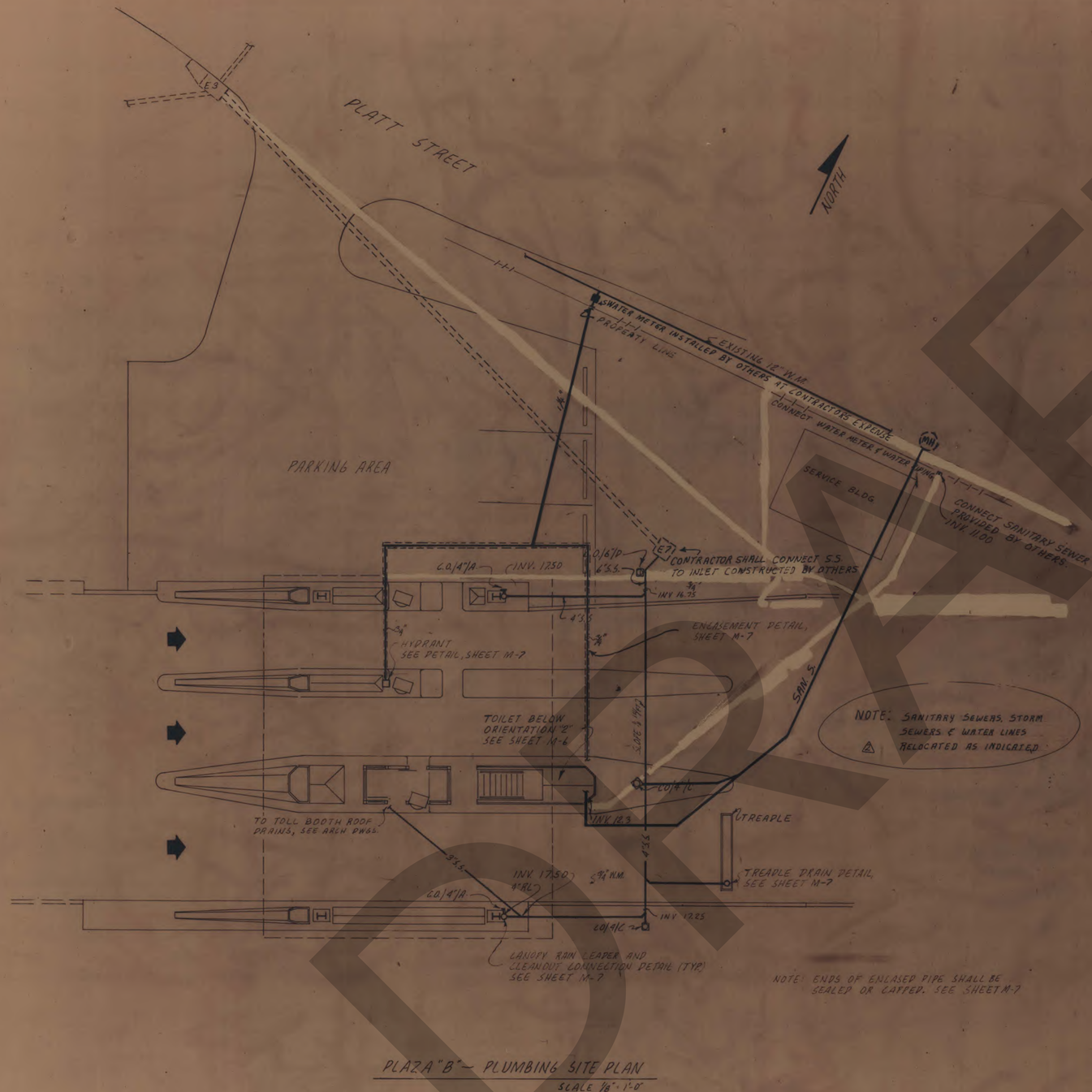
MADE L.D.V.	DATE 9/73	TRACED L.D.V.	DATE 9/73
CHECKED L.D.V.	DATE 6/74	SCALE AS SHOWN	

CONTRACT NO. 7 SHEET NO. M-3 OF 11

84/1

DRAFT

SECTION	CONTRACT	SOUTH CROSSTOWN EXPRESSWAY	SHEET NO.
10002	3507		M-4
By: JEG	TAMPA-HILLSBOROUGH COUNTY EXPRESSWAY AUTHORITY		Date: 6/74



PLAZA "B" – PLUMBING SITE PLAN
SCALE 1/8" = 1'-0"

MECHANICAL LEGEND

PLUMBING

- Floor Drain
- Clean Out At Grade
- Clean Out On Vertical Pipe
- -SAN- Sanitary Sewer Pipe
- -S.S.- Storm Sewer Pipe
- -WM- Water Main
- City Water Hydrant
- Valve
- Encased Pipe
- V Valve
- C.O. Clean Out
- F.D. Floor Drain

IDENTIFICATION OF PLUMBING DEVICES
ITEM, SIZE, TYPE*
EXAMPLE V, 3/4", A*
* DESCRIBED IN SPECIFICATION

PREPARED BY THE CONTRACTOR (STANDARD CONSTRUCTION OF FLA.)

AS BUILT

NO	REVISION	BY	DATE
2	REVISED AS BUILT	C.C.C.F.	1-76
1	General Revision No. 1 - Revised bldg. and san. line locations	DBH	7/74

TAMPA-HILLSBOROUGH COUNTY EXPRESSWAY AUTHORITY

SOUTH CROSSTOWN EXPRESSWAY

TOLL PLAZA "B"

PLUMBING SITE PLAN

J. E. GREINER COMPANY — WATSON & COMPANY
CONSULTING ENGINEERS TAMPA, FLORIDA

MADE LDV DATE 9/73 | TRACED LDV DATE 9/73
CHECKED LDV DATE 6/74 | SCALE AS SHOWN

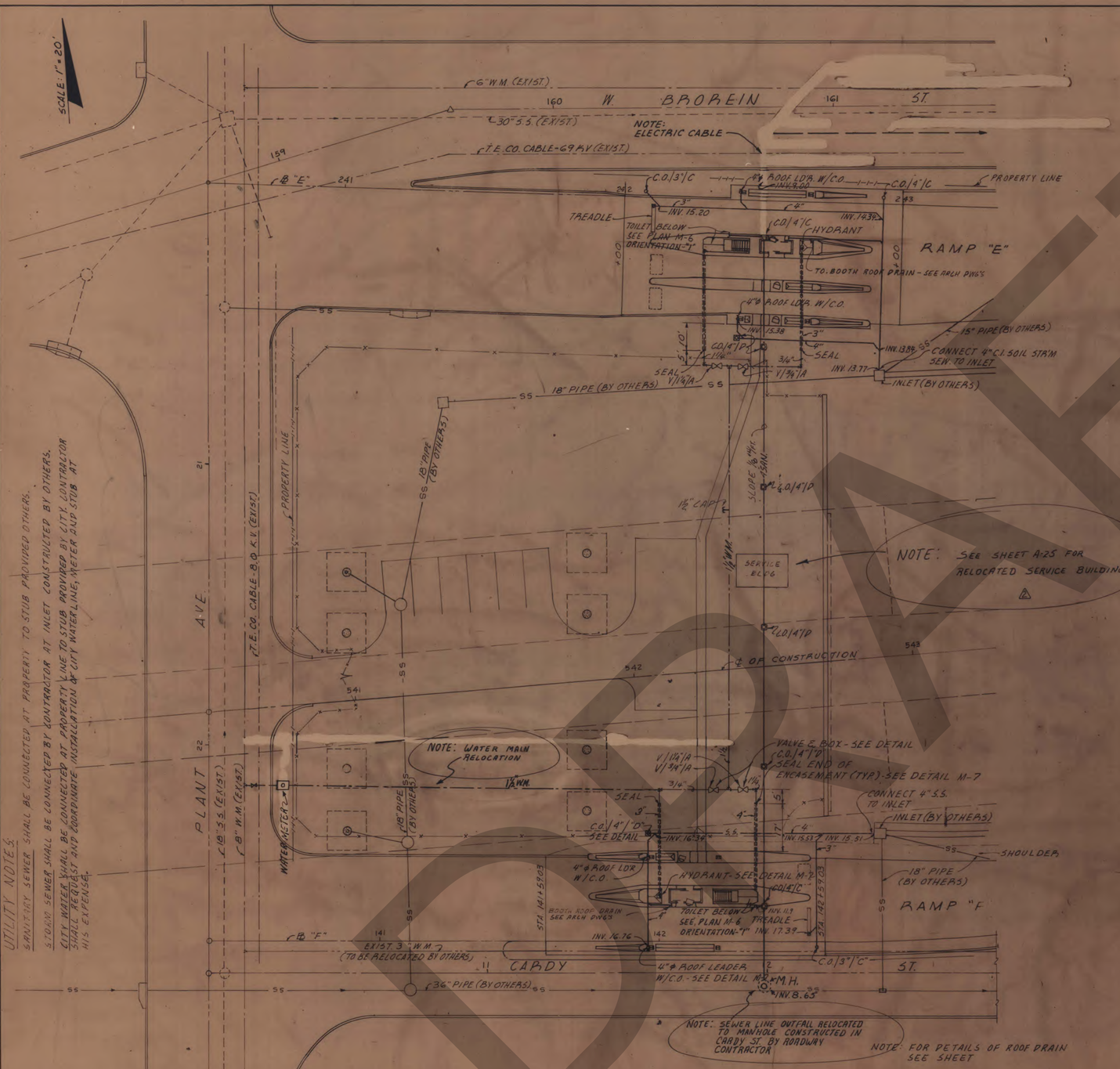
CONTRACT NO. 7 SHEET NO. M-4 OF 11

84/1

DRAFT

SECTION	CONTRACT	SOUTH CROSSTOWN EXPRESSWAY	SHEET NO.
10002	3507		M-5
By: JEG		TAMPA-HILLSBOROUGH COUNTY EXPRESSWAY AUTHORITY	Date: 6/74

SCALE: 1" = 20'



PLAN OF TOLL PLAZAS - RAMPS "E" & "F"

SCALE: 1" = 20'-0"

UTILITY NOTES:

SANITARY SEWER SHALL BE CONNECTED AT PROPERTY TO STUB PROVIDED OTHERS.

STORM SEWER SHALL BE CONNECTED BY CONTRACTOR AT INLET CONSTRUCTED BY OTHERS.

CITY WATER SHALL BE CONNECTED AT PROPERTY LINE TO STUB PROVIDED BY CITY, CONTRACTOR SHALL REQUEST 2ND BOOKMARK INSTALLATION & CITY WATER LINE, METER AND STUB AT HIS EXPENSE.

MECHANICAL LEGEND

PLUMBING

- Floor Drain
- Clean Out At Grade
- Clean Out On Vertical Pipe
- -SAN- Sanitary Sewer Pipe
- -S.S.- Storm Sewer Pipe
- -WM- Water Main
- City Water Hydrant
- Valve
- Enclased Pipe
- V Valve
- C.O. Clean Out
- F.D. Floor Drain

IDENTIFICATION OF PLUMBING DEVICES

ITEM, SIZE, TYPE*

EXAMPLE V, 3/4", A*

* DESCRIBED IN SPECIFICATION

PREPARED BY THE CONTRACTOR (STANDARD CONSTRUCTION OF FLA.)

AS BUILT

NO.	REVISION	BY	DATE
2	REVISED AS BUILT	SCC.F.	1-76

TAMPA - HILLSBOROUGH COUNTY EXPRESSWAY AUTHORITY

SOUTH CROSSTOWN EXPRESSWAY

TOLL PLAZAS "E" & "F"

PLUMBING SITE PLAN

J. E. GREINER COMPANY — WATSON & COMPANY
CONSULTING ENGINEERS — TAMPA, FLORIDA

MADE LDV	DATE 10/73	TRACED SFJ	DATE 6/73
CHECKED LDV	DATE 6/74	SCALE AS SHOWN	

CONTRACT NO. 7 SHEET NO. M-5 OF 11

84 / 1

SECTION	CONTRACT	SOUTH CROSSTOWN EXPRESSWAY	SHEET NO.
	8A & 8B		1
By: J.E.G.		TAMPA-HILLSBOROUGH COUNTY EXPRESSWAY AUTHORITY	Date: 3-74

THIS CONTRACT PLAN SET INCLUDES:

ROADWAY PLANS
SIGNING AND PAVEMENT MARKING PLANS
SIGNALIZATION PLANS
WATER LINE RELOCATION PLANS
SANITARY SEWER RELOCATION PLANS.
RIGHT-OF-WAY MAPS

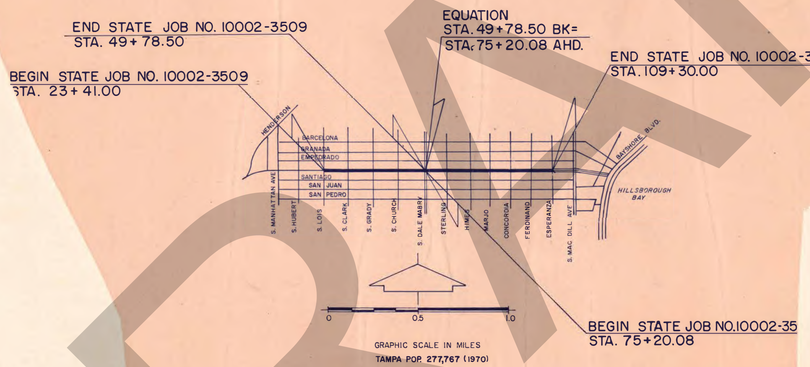
TAMPA - HILLSBOROUGH COUNTY EXPRESSWAY AUTHORITY

— PLANS OF PROPOSED —

SOUTH CROSSTOWN EXPRESSWAY

HILLSBOROUGH COUNTY TAMPA, FLORIDA

STATE JOB NO. 10002-3508-032
STATE JOB NO. 10002-3509-032



ATTENTION IS DIRECTED TO THE FACT THAT THESE PLANS MAY HAVE BEEN REDUCED IN SIZE BY REPRODUCTION. THIS MUST BE CONSIDERED WHEN OBTAINING SCALED INFORMATION.

CONTRACT NO. 8B
LOIS AVE. TO DALE MABRY

CONTRACT NO. 8A
DALE MABRY TO ESPERANZA

Greiner Engineering Sciences, Inc. - WATSON AND COMPANY

Consulting Engineers
To The Tampa - Hillsborough County Expressway Authority

P.O. BOX 23646
TAMPA, FLORIDA 33622
813/879-1711

CONTRACT NUMBERS 8A & 8B - State Job Nos. 10002-3508 & 10002-3509

Description	Drawing Number Sheet No.
Cover Sheet - Contract 8B(Lois to Dale Mabry)	1
Cover Sheet - Contract 8A(Dale Mabry to Esperanza)	
Drainage Map	2, 3 and 4
Typical Section	5
Plan and Profile	7,8,9,10,12 thru 21
Cover Sheet Water Line Relocation	W-1
Summary of Water Line Quantities	W-2
Standard Details	W-3 and 4
Plan and Profile	W5 through W15
Cover Sheet Sanitary Sewer Relocations	SS-1
Summary of Quantities	SS-2
Plan and Profile	SS-3
Miscellaneous Details	SS-4 and 5
Sewage Disposal System (Bay to Bay and Grady to Lois)	
Sewer Improvements (Bay to Bay - Dale Mabry to West of Himes)	
Key Map - State Job No. 10002-2509)	RW/1
Right-of- (State Job No. 10002-2509)(Bay to Bay)	RW-2 and RW-3
Right-of-way (State Job No. 10002-2508)	R-3 through R-6

TOTAL No. MYLAR SHEETS 27.

AS BUILT

NOV 11 1975

DRAFT

SECTION	CONTRACT	SOUTH CROSSTOWN EXPRESSWAY	SHEET NO.
	8A & 8B		1
By: J.E.G.		TAMPA-HILLSBOROUGH COUNTY EXPRESSWAY AUTHORITY	Date: 3-74

THIS CONTRACT PLAN SET INCLUDES:

ROADWAY PLANS
SIGNING AND PAVEMENT MARKING PLANS
SIGNALIZATION PLANS
WATER LINE RELOCATION PLANS
SANITARY SEWER RELOCATION PLANS
RIGHT-OF-WAY MAPS

TAMPA - HILLSBOROUGH COUNTY EXPRESSWAY AUTHORITY

—PLANS OF PROPOSED—

SOUTH CROSSTOWN EXPRESSWAY

HILLSBOROUGH COUNTY TAMPA, FLORIDA

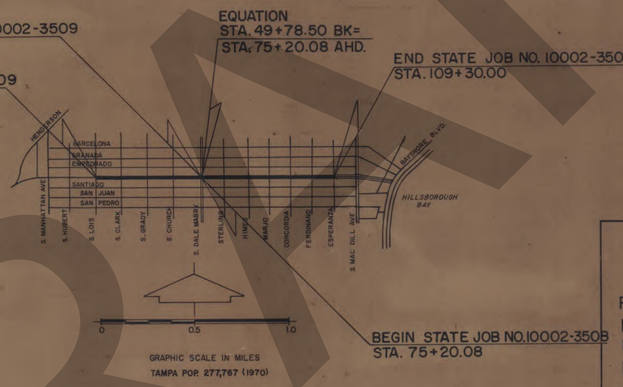
STATE JOB NO. 10002-3508-032
STATE JOB NO. 10002-3509-032

INDEX OF ROADWAY PLANS

SHEET NO.	SHEET DESCRIPTION
1	KEY MAP
2 - 4	DRAINAGE MAPS
5	TYPICAL SECTIONS
6	SUMMARY OF QUANTITIES
7 - 17	PLAN AND PROFILES (BAY TO BAY)
18 - 21	PLAN AND PROFILES (CROSS STREETS)
22 - 29	DRAINAGE STRUCTURES
30	SPECIAL PROFILES
31 - 47	CROSS SECTIONS (BAY TO BAY)
48 - 59	CROSS SECTIONS (CROSS STREETS)

STANDARD DRAWINGS

INDEX NO.	STANDARD DRAWING
194	STANDARD ABBREVIATIONS (2 SHEETS)
195	STANDARD SYMBOLS FOR KEY MAPS AND PLAN SHEETS (3 SHEETS)
1101-W	MISCELLANEOUS ROADWAY CONSTRUCTION DETAILS (2 SHEETS)
1331-C	SUPPLEMENTARY DETAILS FOR INLET BOXES
5016-B	TURNOUT DETAILS
5046-D	STANDARD DITCH BOTTOM INLET TYPES C, D, E & H AND SUPPLEMENTAL DETAILS
5047-G	INLET, MANHOLE, AND JUNCTION BOX TYPES P AND H (2 SHEETS)
5061-E	MISCELLANEOUS DRAINAGE DETAILS (2 SHEETS)
5071-J	CONCRETE PAVEMENT JOINTS (3 SHEETS)
5080-G	CURB, CURB AND GUTTER AND TRAFFIC SEPARATOR (2 SHEETS)





ATTENTION IS DIRECTED TO THE FACT THAT THESE PLANS MAY HAVE BEEN REDUCED IN SIZE BY REPRODUCTION. THIS MUST BE CONSIDERED WHEN OBTAINING SCALED INFORMATION.

LENGTH OF JOBS

	STATE JOB NO. 10002 - 3508		STATE JOB NO. 10002 - 3509		TOTAL	
	LIN. FT.	MILES	LIN. FT.	MILES	LIN. FT.	MILES
ROADWAY	3,409.92	0.646	2,637.50	0.499	6,047.42	1.145
BRIDGES	-0-	-0-	-0-	-0-	-0-	-0-
NET LENGTH	3,409.92	0.646	2,637.50	0.499	6,047.42	1.145
EXCEPTIONS	-0-	-0-	-0-	-0-	-0-	-0-
GROSS LENGTH	3,409.92	0.646	2,637.50	0.499	6,047.42	1.145

GENERAL SPECIFICATIONS

FLORIDA DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION 1973, OR AS MODIFIED BY THE CONTRACT SPECIAL PROVISIONS.

DRAFT

AS BUILT

APPROVAL RECOMMENDED JUNE 28, 1974
BY James E. Sawyer
J.E. GREINER CO., INC. - WATSON AND COMPANY

APPROVED JUNE 26, 1974
BY B. D. Lobb
CHAIRMAN
TAMPA-HILLSBOROUGH COUNTY EXPRESSWAY AUTHORITY

CONTRACT NO. 8B
LOIS AVE. TO DALE MABRY
CONTRACT NO. 8A
DALE MABRY TO ESPERANZA

SUBMITTED James E. Sawyer
J. E. GREINER COMPANY, INC. DATE JUNE 28, 1974

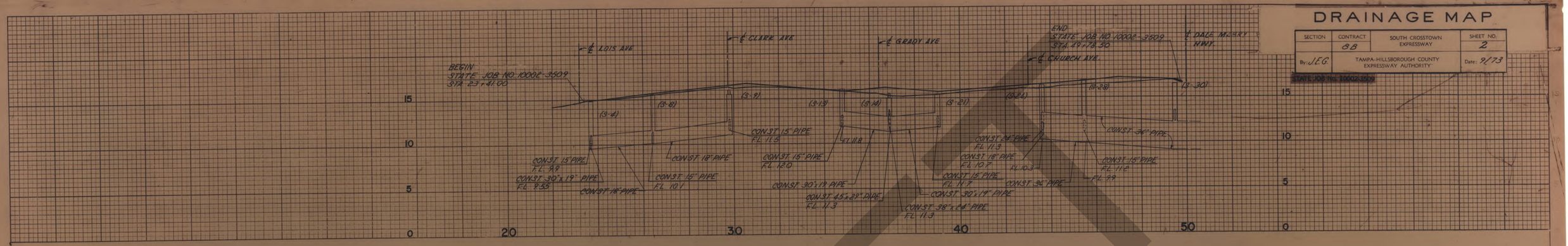
SUBMITTED Robert D. Crane
WATSON AND COMPANY DATE JUNE 28, 1974

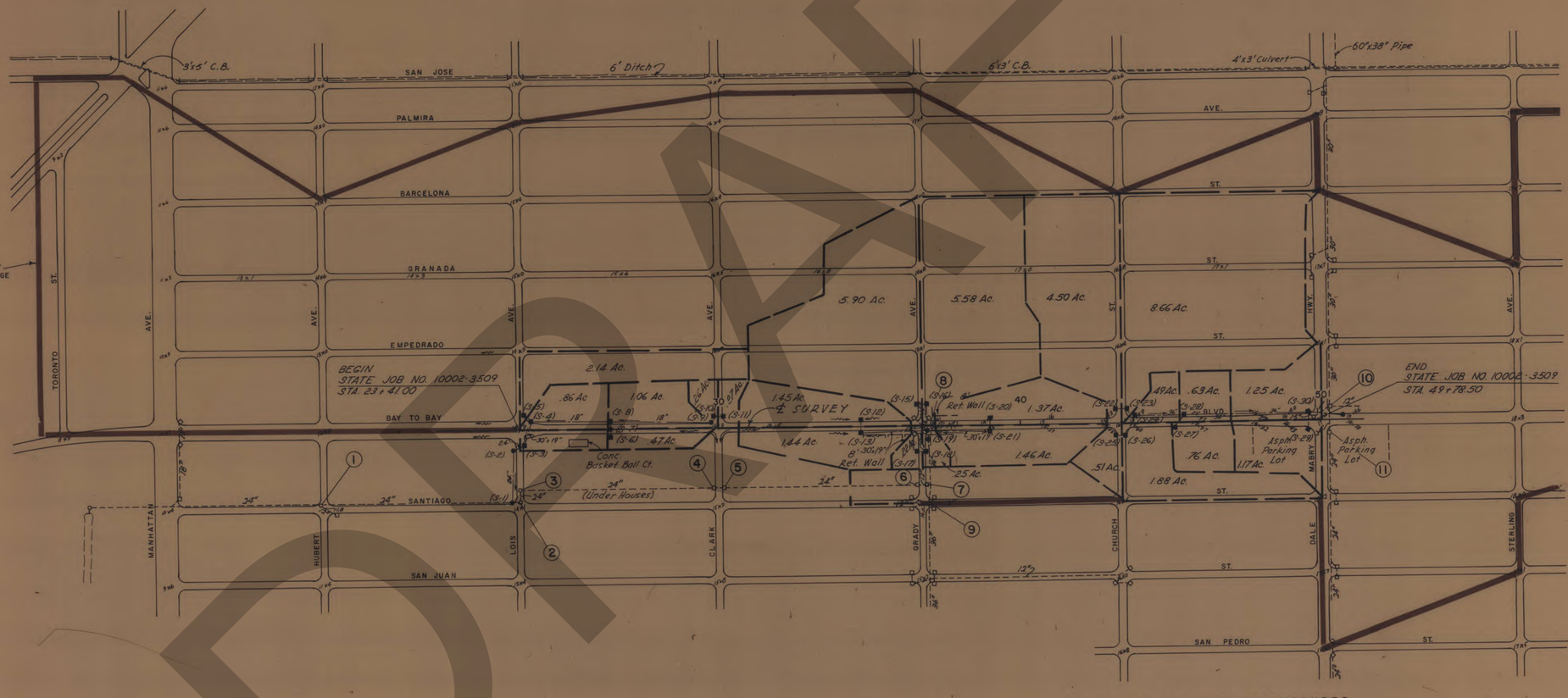
84/1

DRAINAGE MAP

SECTION	CONTRACT	SOUTH CROSSTOWN EXPRESSWAY	SHEET NO.
	8B		2
By: JEG.		TAMPA-HILLSBOROUGH COUNTY EXPRESSWAY AUTHORITY	Date: 9/73

STATE JOB NO. 10002-3509





LEGEND

- 24" = EXISTING DRAINAGE
- 24" = PROPOSED DRAINAGE
- = DRAINAGE DIVIDES

EXISTING DRAINAGE STRUCTURES

1. MANHOLE - TOP EL. 11.20
   24" R.C.P. W. F.L. 7.73
   24" R.C.P. E. F.L. 8.26
2. MANHOLE - TOP EL. 13.40
   24" R.C.P. W. F.L. 9.04
   24" R.C.P. N. F.L. 8.77
3. MANHOLE - TOP EL. 13.62
   24" PIPE E.
   24" PIPE S.
   F.L. EL. 10.18
4. DROP INLET - TOP EL. 15.37
   24" R.C.P. W. F.L. 11.66
   24" C.M.P. E. F.L. 11.66
5. DROP INLET TOP EL. 15.36
   24" C.M.P. W. F.L. 11.75
   24" R.C.P. E. F.L. 11.79
6. DROP INLET TOP EL. 14.61
   24" R.C.P. W. F.L. 12.25
   12" V.C.P. E. F.L. 12.37
7. DROP INLET TOP EL. 14.68
   12" V.C.P. W. F.L. 12.38
   12" V.C.P. E. F.L. 12.37
   12" V.C.P. E. CONN. TO
   36" R.C.P. N. & S.
8. CURB INLET GUT. EL. 13.97
   36" R.C.P. S. F.L. 11.31
9. MANHOLE TOP EL. 16.06
   36" R.C.P. N. F.L. 10.96
   36" R.C.P. S. F.L. 10.95
10. CURB INLET GUT. EL. 16.20
    30" R.C.P. N. F.L. 12.63
    24" R.C.P. S. F.L. 13.01
11. CURB INLET GUT. EL. 16.39
    24" R.C.P. N. & S. F.L. 13.85

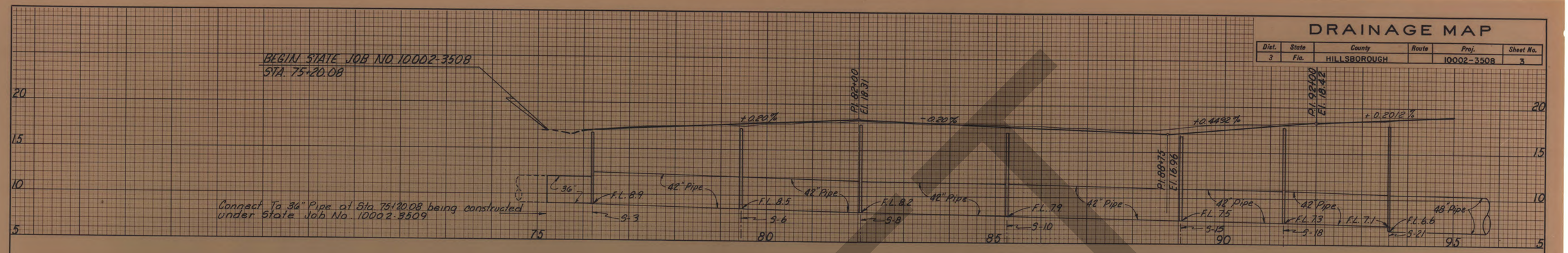
AS BUILT

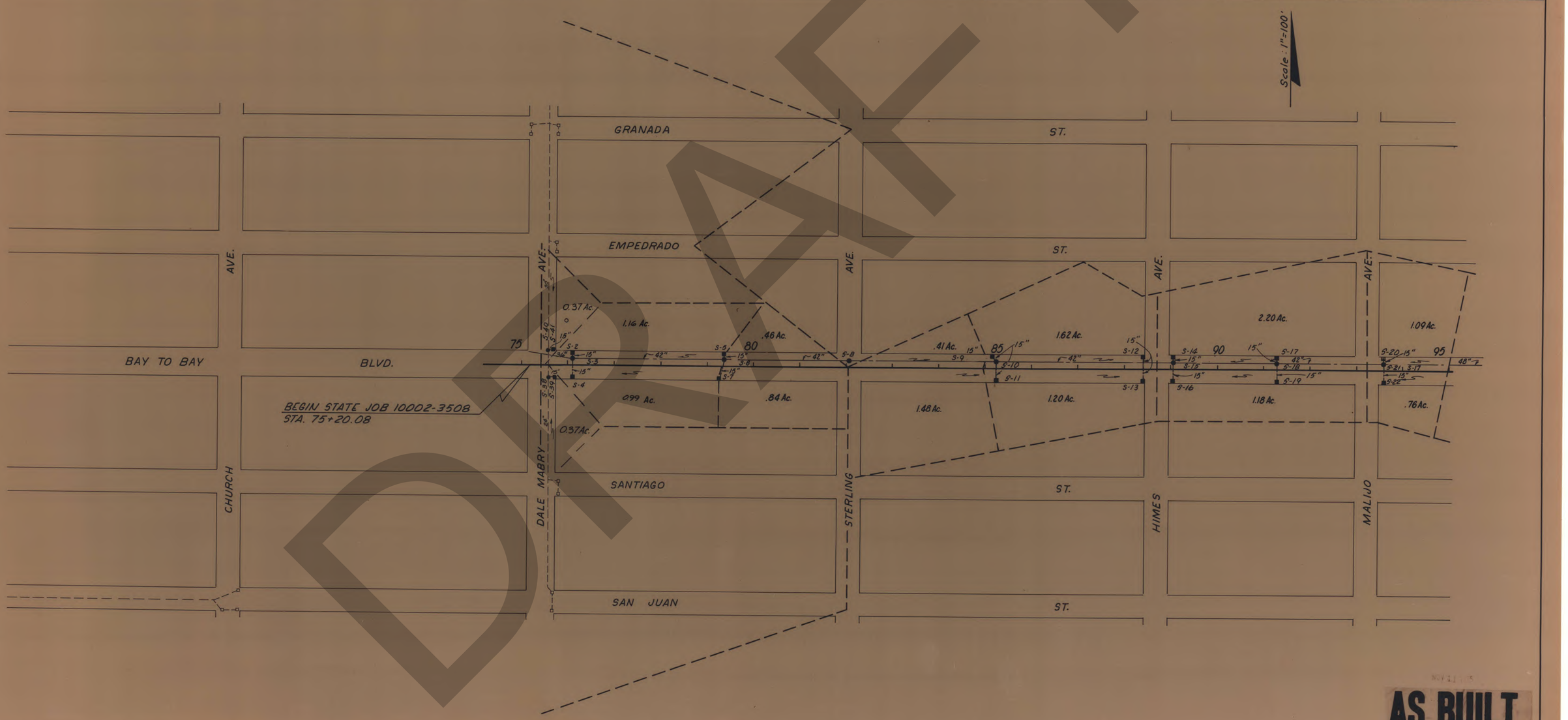
Contract Nos. 8A & 8B

84
1

DRAINAGE MAP

Dist.	State	County	Route	Proj.	Sheet No.
3	Fla.	HILLSBOROUGH		10002-3508	3





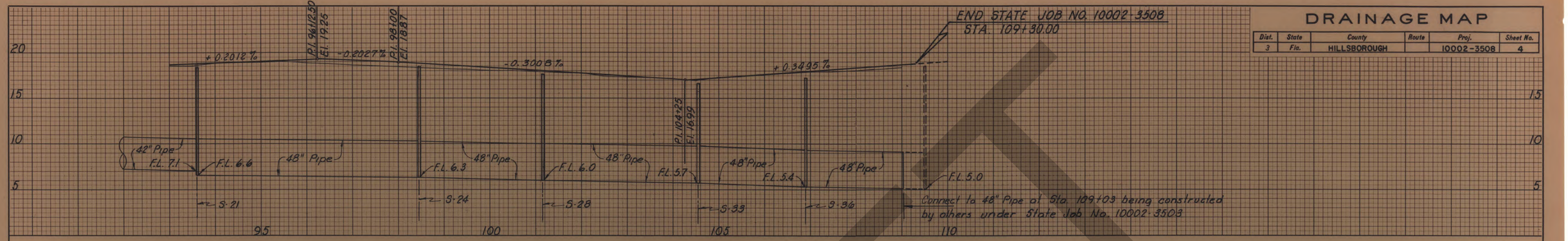
DRAFT

AS BUILT

Contract Nos. 8A & 8B

DRAINAGE MAP

Dist.	State	County	Route	Proj.	Sheet No.
3	Fla.	HILLSBOROUGH		10002-3508	4





DRAFT

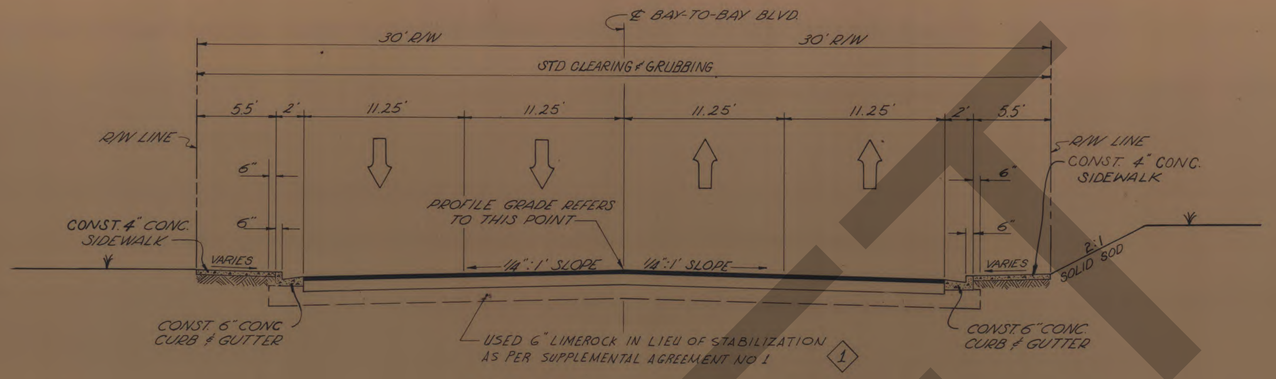
AS BUILT

Contract Nos. 8A & 8B

84
1

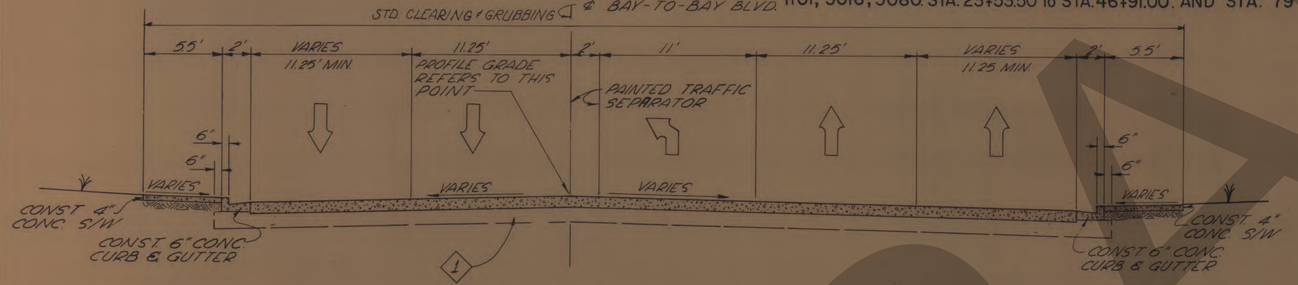
SECTION	CONTRACT	SOUTH CROSSTOWN EXPRESSWAY	SHEET NO.
	8B		5
By: J.E.G.	TAMPA-HILLSBOROUGH COUNTY EXPRESSWAY AUTHORITY		Date: 9/73

STATE JOB No. 10002-3509



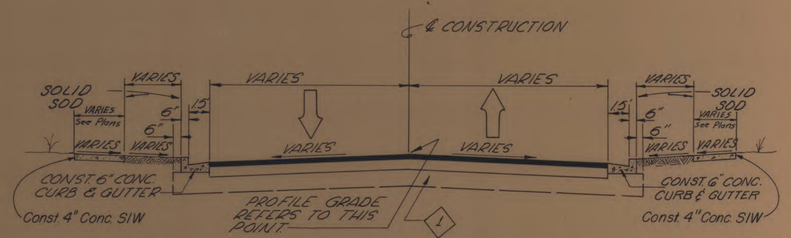
TYPICAL SECTION No. 1
BAY-TO-BAY BLVD.

LIMEROCK BASE (9" THICK, DOUBLE COURSE) PRIMED, WITH TYPE S-I ASPHALTIC CONCRETE (2" THICK) BOTTOM LAYER AND ASPHALTIC CONCRETE WEARING COURSE (1" THICK) TOP LAYER (ALTERNATES 1, 2 OR 3) FOR ADDITIONAL DETAILS SEE INDEX NO'S 1101, 5016, 5080. STA. 23+53.50 to STA. 46+91.00. AND STA. 79+20.00 TO STA. 109+30.00



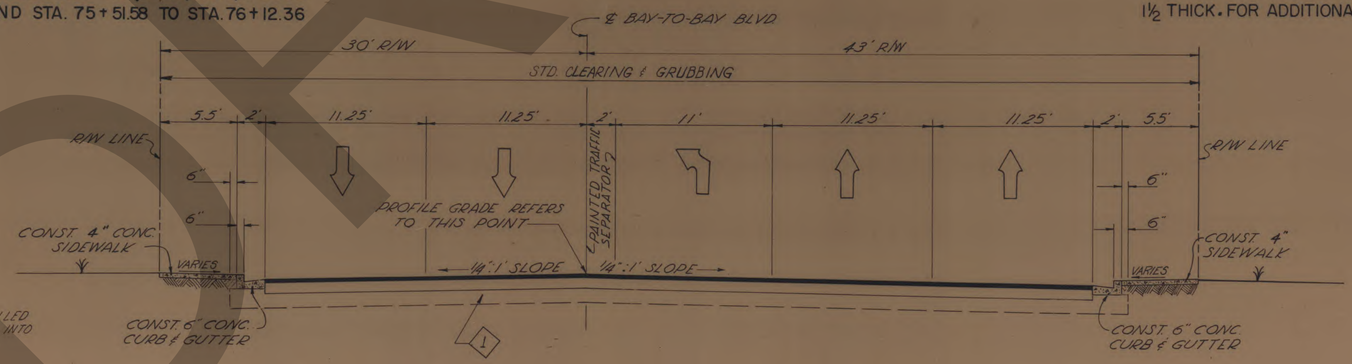
TYPICAL SECTION No. 2
BAY-TO-BAY BLVD.

CEMENT CONCRETE PAVEMENT, PLAIN (9" THICK) FOR ADDITIONAL DETAILS, SEE INDEX No's 1101, 5016, 5071, & 5080. STA. 49+43.21 to STA. 49+78.50. AND STA. 75+51.58 TO STA. 76+12.36



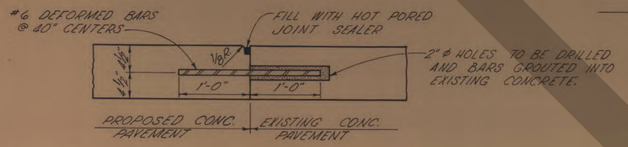
TYPICAL SECTION No. 3
GRADY, CLARK, AND CHURCH

LIMEROCK BASE (9" THICK, DOUBLE COURSE) PRIMED, WITH TYPE S-I ASPHALTIC CONCRETE (3" THICK, DOUBLE COURSE) EACH LAYER 1½ THICK. FOR ADDITIONAL DETAILS, SEE INDEX NOs. 1101, 5016, 5080.



TYPICAL SECTION No. 4
BAY-TO-BAY BLVD.

LIMEROCK BASE (9" THICK, DOUBLE COURSE) PRIMED, WITH TYPE S-I ASPHALTIC CONCRETE (2" THICK) BOTTOM LAYER AND ASPHALTIC CONCRETE WEARING COURSE (1" THICK) TOP LAYER (ALTERNATES 1, 2 OR 3) FOR ADDITIONAL DETAILS SEE INDEX NO'S 1101, 5016, 5080. STA. 46+91.00 to 49+43.21. AND STA. 76+12.36 TO STA. 79+20.00



DETAIL OF DOWELLED LONGITUDINAL JOINT WITH EXISTING PAV'T

AS BUILT NOTES:

1. REVISED SUBBASE AS PER SUPPLEMENTAL AGREEMENT NO. 1.

NO.	REVISION	BY	DATE

TAMPA-HILLSBOROUGH COUNTY EXPRESSWAY AUTHORITY

SOUTH CROSSTOWN EXPRESSWAY

TYPICAL SECTIONS

J. E. GREINER COMPANY — WATSON & COMPANY
CONSULTING ENGINEERS — TAMPA, FLORIDA

MADE J.K.C. DATE 9/73 | TRACED ____ DATE ____
CHECKED M.J.B. DATE 9/73 | SCALE ____

AS BUILT

Contract Nos. 8A & 8B

84/1

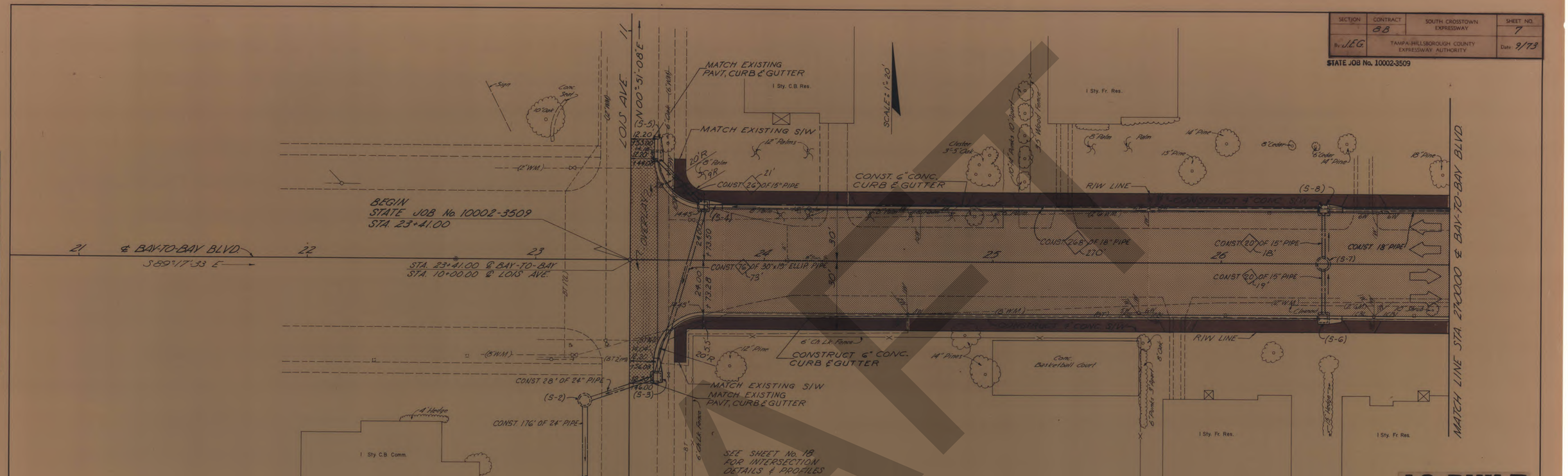
DRAFT

SECTION	CONTRACT	SOUTH CROSSTOWN EXPRESSWAY	SHEET NO.
	8B		7
By: JEG	TAMPA-HILLSBOROUGH COUNTY EXPRESSWAY AUTHORITY		Date: 9/73

STATE JOB No. 10002-3509

FINAL SURVEY — SURVEYED, PLOTTED, TEMPLATE, AREAS, AREAS CHECKED — BY, DATE, NOTE BOOK, NO.

ORIGINAL SURVEY — SURVEYED, PLOTTED, TEMPLATE, AREAS, AREAS CHECKED — BY, DATE, NOTE BOOK, NO.



AS BUILT

B.M.-17 Sq. cut in S/W, in front of Lorains #4240 Elev. 13.459

B.M.-16 Sq. cut in curb, S/W cor. of Lois Elev. 14.296

B.M.-15 Sq. cut in S curb, near E end of playground Elev. 14.902

AS BUILT NOTE:

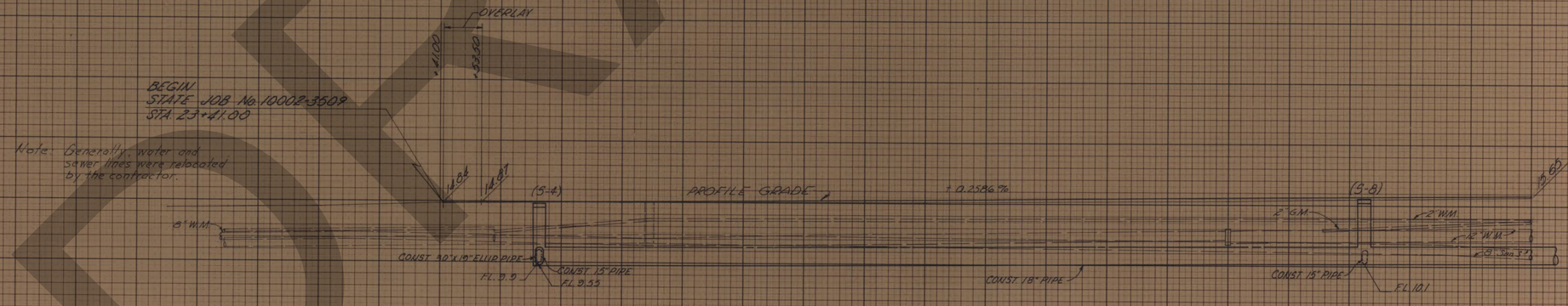
1. REVISED TO AS BUILT LENGTH OF PIPES
2. ADDED DRIVEWAYS.

GENERAL NOTES

1. B.M. DATUM U.S.C. & G.S.
2. ALL EXISTING DRAINAGE STRUCTURES WITHIN R/W LINES ARE TO BE REMOVED UNLESS OTHERWISE NOTED.
3. UTILITIES ARE TO BE ADJUSTED BY OTHERS, AS DIRECTED BY THE ENGINEER.
4. ALL UTILITIES SHOWN ON THE PLANS ARE TAKEN FROM INFORMATION SUPPLIED BY THE UTILITY OWNERS. THESE ARE SHOWN FOR INFORMATIONAL PURPOSES ONLY AND THE CONTRACTOR WILL BE RESPONSIBLE FOR VERIFICATION OF THE EXACT LOCATION OF ALL UTILITIES.

UTILITY OWNERS

1. TAMPA ELECTRIC CO.
2. PEOPLES GAS CO.
3. GENERAL TELEPHONE CO.
4. CITY OF TAMPA WATER DEPT.
5. CITY OF TAMPA FIRE DEPT.



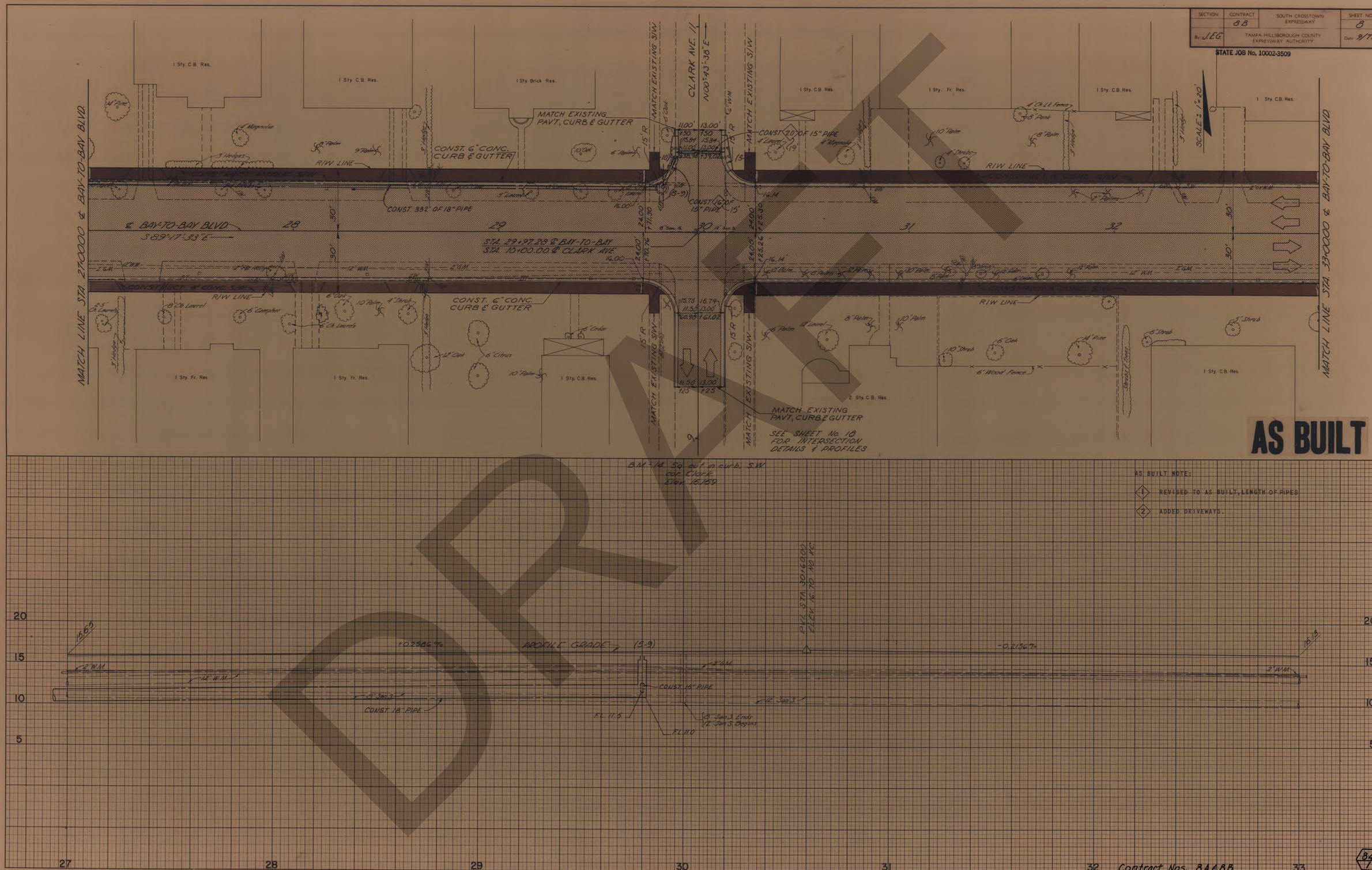
DRAFT

Contract Nos. 8A & 8B

84

SECTION	CONTRACT	SOUTH CROSSTOWN EXPRESSWAY	SHEET NO.
	8B		8
By: J.E.G.		TAMPA-HILLSBOROUGH COUNTY EXPRESSWAY AUTHORITY	Date: 9/73

STATE JOB No. 10002-3509



Contract Nos. 8A & 8B

84/1

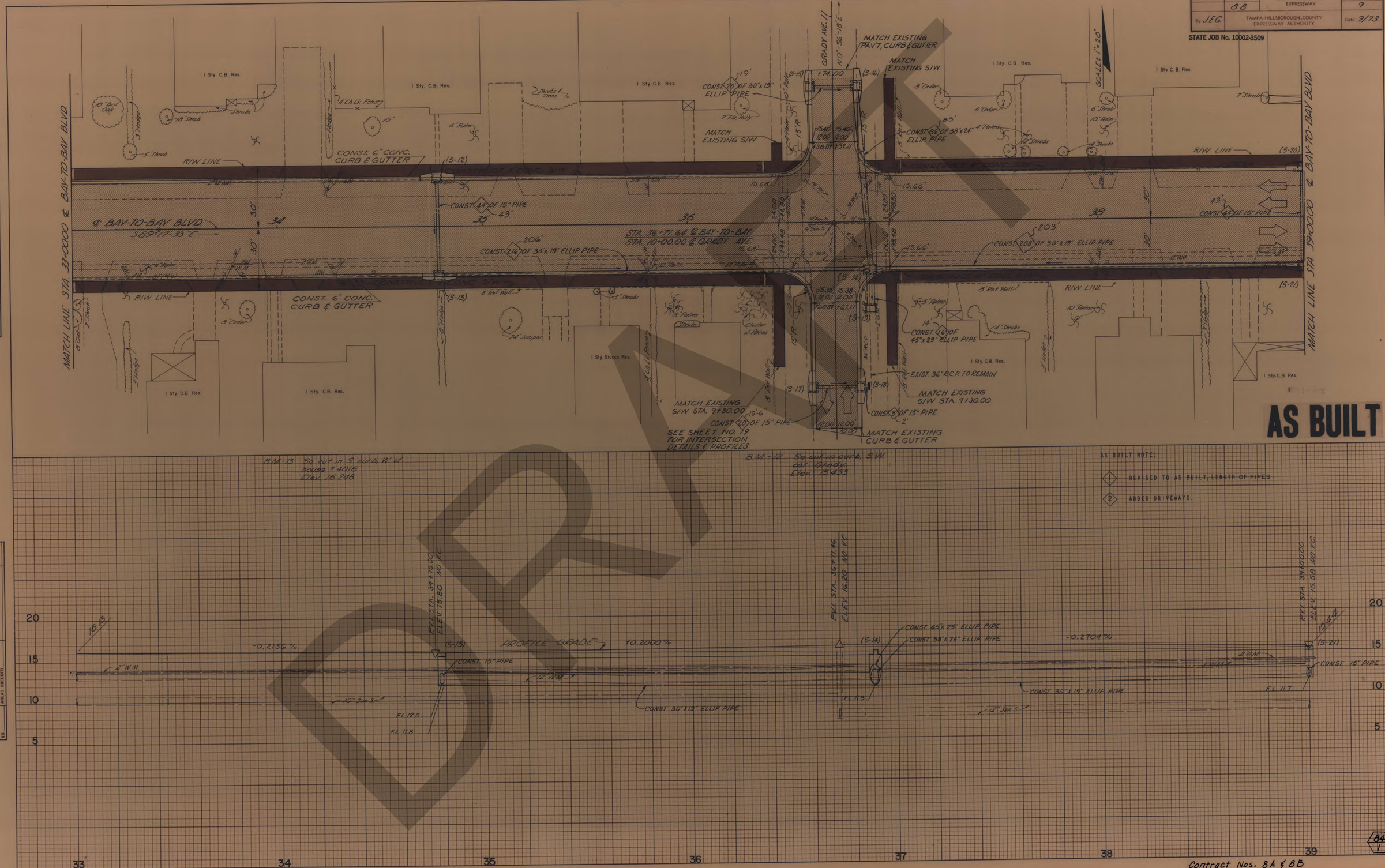
FINAL SURVEY — NOTE BOOK NO. — SURVEYED — PLOTTED — TEMPLATE — AREAS — AREAS CHECKED — BY — DATE

ORIGINAL SURVEY — NOTE BOOK NO. — SURVEYED — PLOTTED — TEMPLATE — AREAS — AREAS CHECKED — BY — DATE

DRAFT

SECTION	CONTRACT	SOUTH CROSSTOWN EXPRESSWAY	SHEET NO.
	8B		9
By: J.E.G.		TAMPA-HILLSBOROUGH COUNTY EXPRESSWAY AUTHORITY	Date: 9/73

STATE JOB No. 10002-3509



FINAL SURVEY		BY	DATE
NOTE BOOK	SURVEYED		
	PLOTTED		
	TEMPLATE		
	AREAS		
NO.	AREAS CHECKED		

ORIGINAL SURVEY		BY	DATE
NOTE BOOK	SURVEYED		
	PLOTTED		
	TEMPLATE		
	AREAS		
NO.	AREAS CHECKED		

DRAFT

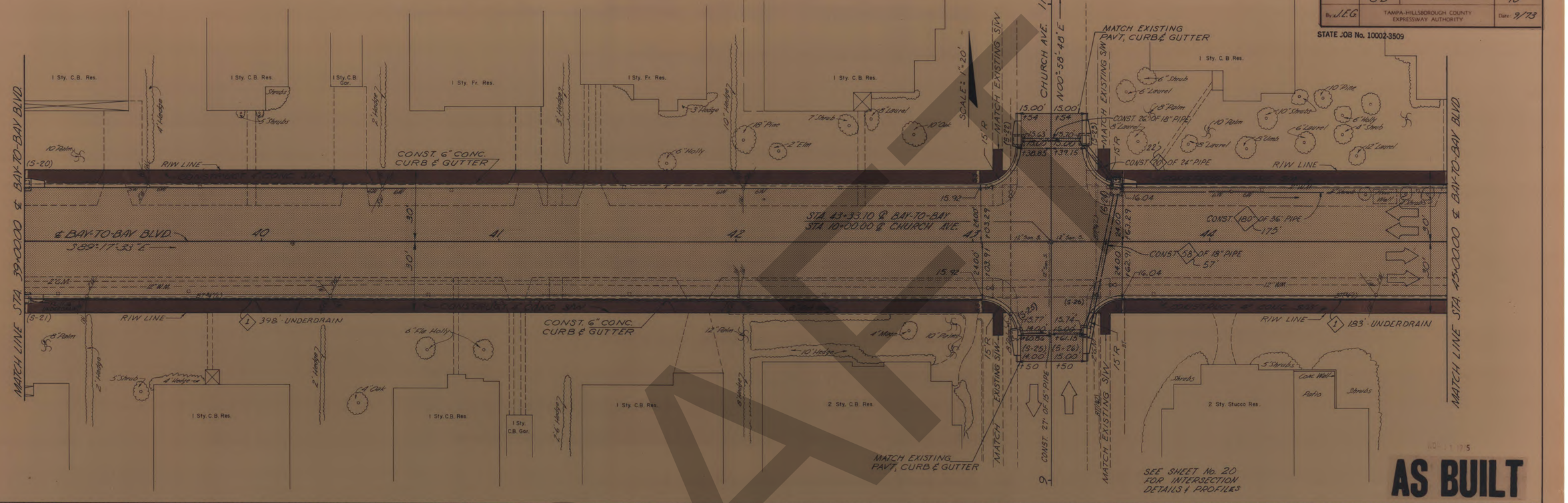
Contract Nos. 8A & 8B

SECTION	CONTRACT	SOUTH CROSSTOWN EXPRESSWAY	SHEET NO.
	8B		10
By JEG	TAMPA-HILLSBOROUGH COUNTY EXPRESSWAY AUTHORITY		Date: 9/73

STATE JOB No. 10002-3509

FINAL SURVEY — SURVEYED BY, PLOTTED, TEMPLATE, AREAS, AREAS CHECKED, NOTE BOOK, NO.

ORIGINAL SURVEY — SURVEYED BY, PLOTTED, TEMPLATE, AREAS, AREAS CHECKED, NOTE BOOK, NO.

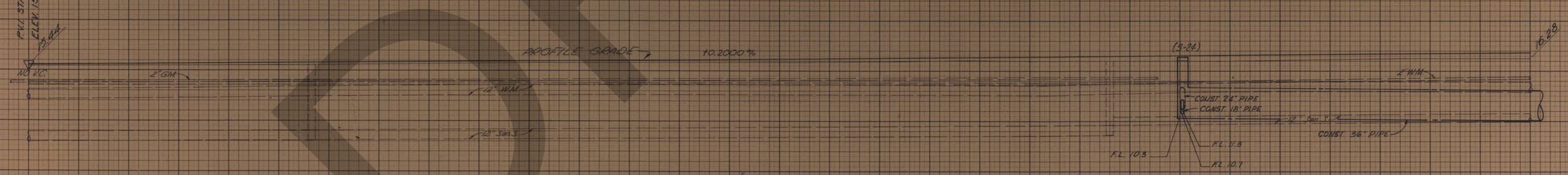


BM-11 Sq. cut in curb in front of Pole # 3920 Elev. 15.293

BM-10 Sq. cut in curb S.E. cor. of Church Elev. 16.009

B-10 Sq. Cut in Curb S.E. Cor. Church. Elev. 16.009.

B-11 Sq. Cut in Curb in Front Of Pole # 3920. Elev. 15.293



AS BUILT NOTE:

1. ADDED 58' OF UNDERDRAIN SOUTH SIDE OF BAY TO BAY BLVD., 5' 12" N. OF R/W LINE.
2. REVISED TO AS BUILT LENGTH OF PIPES.
3. ADDED DRIVEWAYS.

DRAFT

SECTION	CONTRACT	SOUTH CROSSTOWN EXPRESSWAY	SHEET NO.
	8B		11
By: J.E.G.	TAMPA-HILLSBOROUGH COUNTY EXPRESSWAY AUTHORITY		Date: 9/73

STATE JOB No. 10002-3509

FINAL SURVEY — SURVEYED BY — PLOTTED — NOTE BOOK — NO. — TEMPLATE — AREAS — AREAS CHECKED — DATE

MATCH LINE STA. 45+00.00 ℄ BAY-TO-BAY BLVD

℄ BAY-TO-BAY BLVD

S 89°11'11" E

DALE MABRY

N 00°56'07" E

SCALE: 1"=20'

1 Sty. C.B. Res.

1 Sty. Fr. Res.

2 Sty. C.B. Res.

RETURN No. 1

RETURN No. 2

MATCH EXISTING CURB & GUTTER

MATCH EXISTING S/W

22.00'

159.28

127.77

35' R

29' R

CONST. 20' OF 36" PIPE

END STATE JOB No. 10002-3509 STA. 49+78.50

10¢ FROM S-3 TO S-30, AS BUILT

CONST. 36" PIPE (ADJOINING PROJECT)

STA. 50+00.00 ℄ BAY-TO-BAY
STA. 10+00.00 ℄ DALE MABRY

CONST. 6" CONC. CURB & GUTTER

R/W LINE

EXISTING R/W LINE

CONST. 60' OF 18" PIPE

CONST. 408' OF 36" PIPE

BEGIN CONSTRUCTION OF CONC. PAVT STA. 49+43.21

END UNDERDRAIN

CONST. 62' OF 15" PIPE

144' OF UNDERDRAIN

CONC. PAVT

MATCH EXIST. PAVT.

Asph. Parking Lot

SEE SHEET NO. 30 FOR RETURN PROFILES

SEE SHEET No. 20 FOR INTERSECTION DETAILS & PROFILES

B.M.-9 Sq cut vo curb, S.W. cor. Dale Mabry Elev. 16.538

AS BUILT NOTES:

1. REVISED LOCATION OF 15" PIPE TO STA. 45+45 REVISED LOCATION OF S-27
2. ADDED 144' OF UNDERDRAIN, SOUTH SIDE OF BAY-TO-BAY BLVD., 5'±/2' N. OF R/W LINE.
3. REVISED TO AS BUILT, LENGTH OF PIPES
4. ADDED DRIVEWAYS.

AS BUILT

ORIGINAL SURVEY — SURVEYED BY — PLOTTED — NOTE BOOK — NO. — TEMPLATE — AREAS — AREAS CHECKED — DATE

PROFILE GRADE

+0.2000%

-0.2770%

P.V.I. STA. 47+00.00
ELEV. 15.68

NO V.C.

30' V.C.

P.V.C. STA. 47+15.50
ELEV. 15.97

P.V.T. STA. 47+84.50
ELEV. 16.35

P.V.C. STA. 47+78.50
ELEV. 16.58

END STATE JOB No. 10002-3509 STA. 49+78.50

6" ø (S-28)

(S-30)

2" W.M.

12" W.M.

12" San. S.

CONST. 15" PIPE

F.L. 11.4

F.L. 9.9

F.L. 12.3

F.L. 9.1

CONST. 36" PIPE

24" STORM SEWER

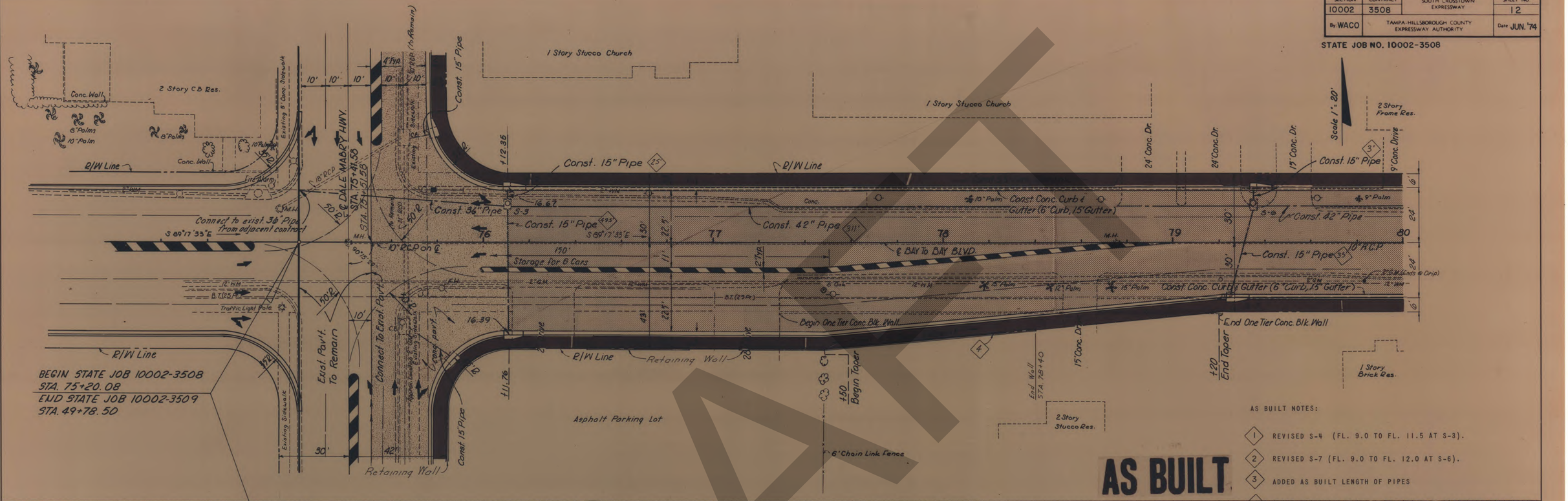
30 MH No. 5 Shown in Survey 3445.3 TRA

Contract Nos. 8A & 8B

DRAFT

SECTION	CONTRACT	SOUTH CROSSTOWN EXPRESSWAY	SHEET NO
10002	3508		12
By WACO		TAMPA-HILLSBOROUGH COUNTY EXPRESSWAY AUTHORITY	Date JUN. '74

STATE JOB NO. 10002-3508



AS BUILT

AS BUILT NOTES:

1. REVISED S-4 (FL. 9.0 TO FL. 11.5 AT S-3).
2. REVISED S-7 (FL. 9.0 TO FL. 12.0 AT S-6).
3. ADDED AS BUILT LENGTH OF PIPES
4. ADDED RETAINING WALL. SUPPLEMENTAL AGREEMENT NO. 6.
5. ADDED DRIVEWAYS

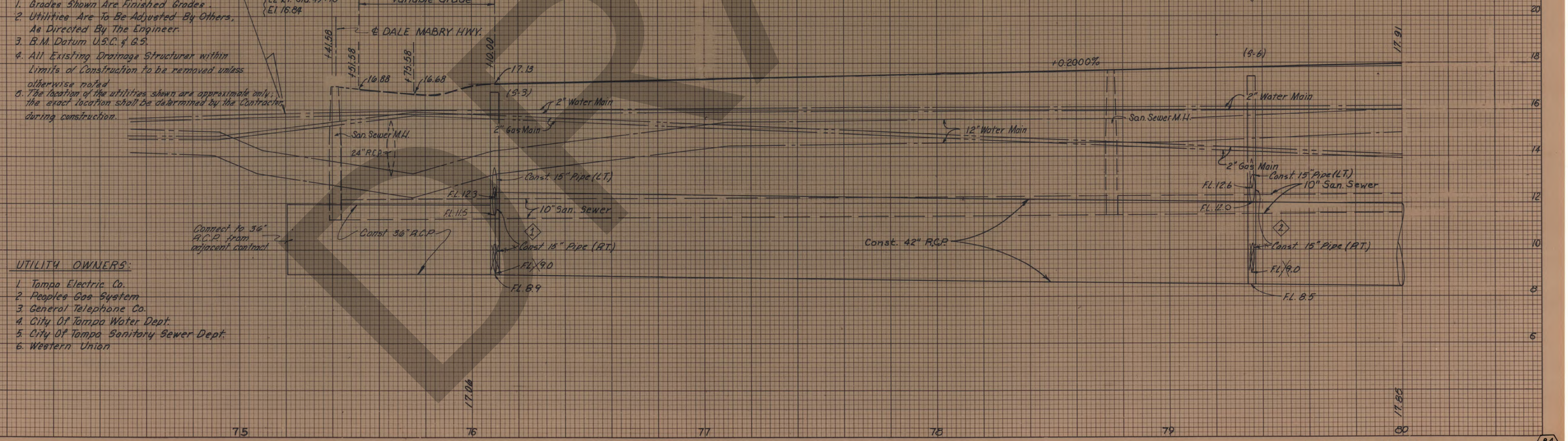
GENERAL NOTES:

1. Grades Shown Are Finished Grades.
2. Utilities Are To Be Adjusted By Others, As Directed By The Engineer.
3. B.M. Datum U.S.C. & G.S.
4. All Existing Drainage Structurer within Limits of Construction to be removed unless otherwise noted
5. The location of the utilities shown are approximate only; the exact location shall be determined by the Contractor during construction.

BM 9
On Curb
22' Rt Sta. 49+70
El 16.84

UTILITY OWNERS:

1. Tampa Electric Co.
2. Peoples Gas System
3. General Telephone Co.
4. City Of Tampa Water Dept.
5. City Of Tampa Sanitary Sewer Dept.
6. Western Union



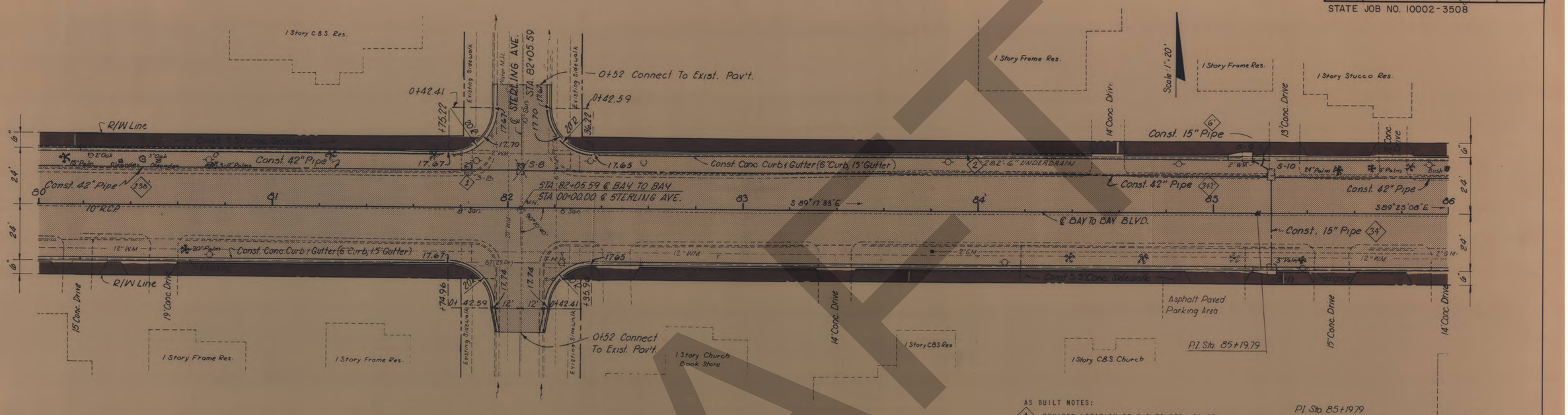
Contract Nos. 8A & 8B

84/1

K&E CO. ORLANDO, FLA.

SECTION	CONTRACT	SOUTH CROSSTOWN EXPRESSWAY	SHEET NO
10002	3508		13
By WACO		TAMPA-HILLSBOROUGH COUNTY EXPRESSWAY AUTHORITY	Date JUN. 74

STATE JOB NO. 10002-3508



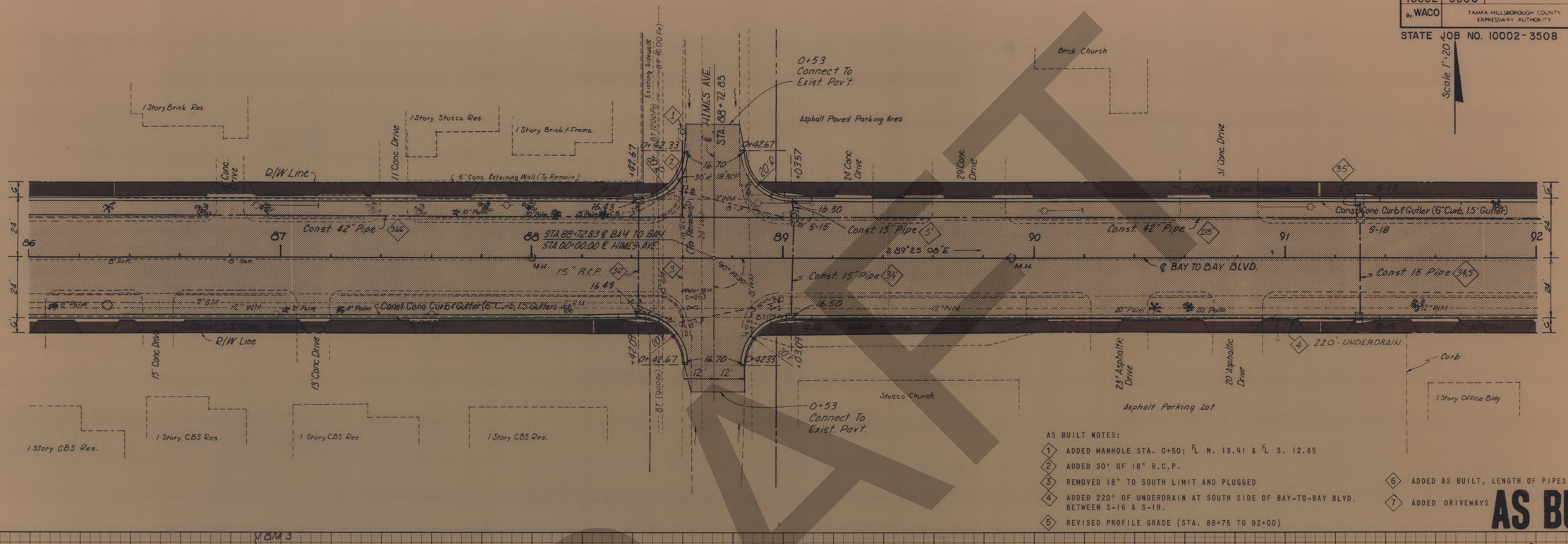
Contract Nos. 8A & 8B

84/1

SECTION	CONTRACT	SOUTH CROSSTOWN EXPRESSWAY	SHEET NO.
10002	3508		14
By WACO	TAMPA-HILLSBOROUGH COUNTY EXPRESSWAY AUTHORITY		Date JUN.74

STATE JOB NO. 10002-3508

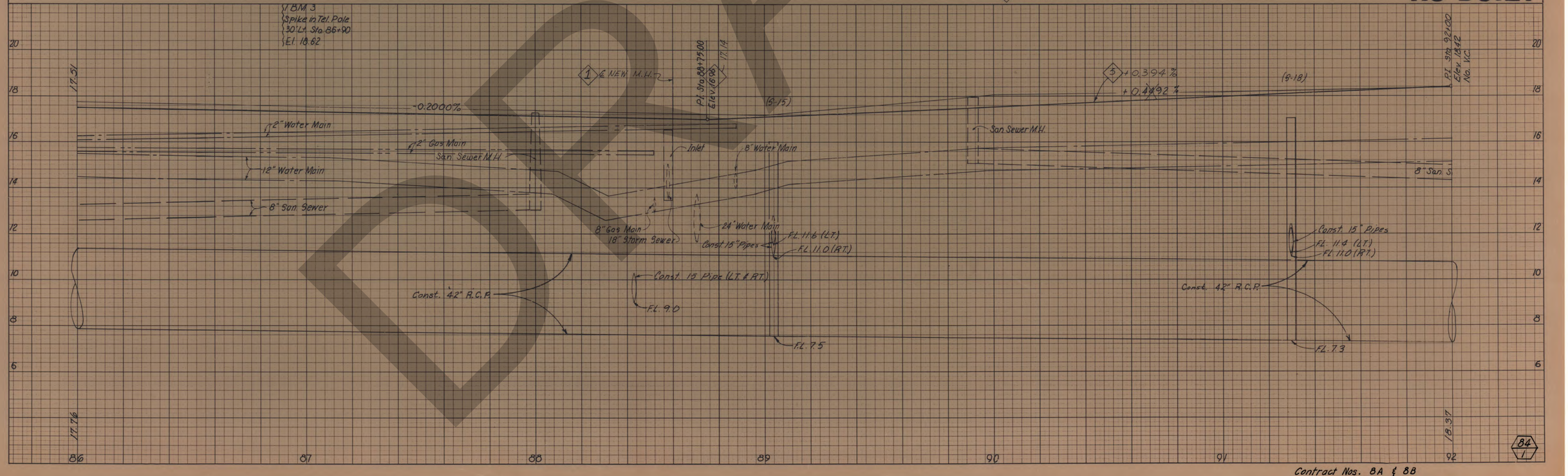
Scale 1"=20'



AS BUILT NOTES:

1. ADDED MANHOLE STA. 0+50; ℄ N. 13.41 & ℄ S. 12.65
2. ADDED 30' OF 18" R.C.P.
3. REMOVED 18" TO SOUTH LIMIT AND PLUGGED
4. ADDED 220' OF UNDERDRAIN AT SOUTH SIDE OF BAY-TO-BAY BLVD. BETWEEN S-16 & S-19.
5. REVISED PROFILE GRADE (STA. 88+75 TO 92+00)
6. ADDED AS BUILT, LENGTH OF PIPES.
7. ADDED DRIVEWAYS

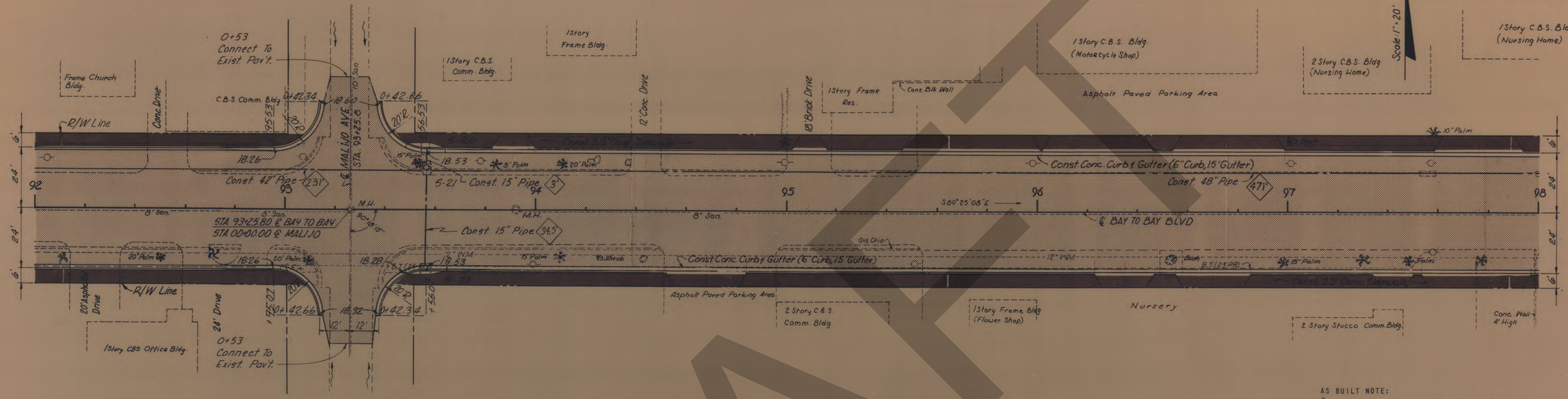
AS BUILT



Contract Nos. 8A & 8B

SECTION	CONTRACT	SOUTH CROSSTOWN EXPRESSWAY	SHEET NO
10002	3508		15
By WACO		TAMPA-HILLSBOROUGH COUNTY EXPRESSWAY AUTHORITY	Date JUN.74

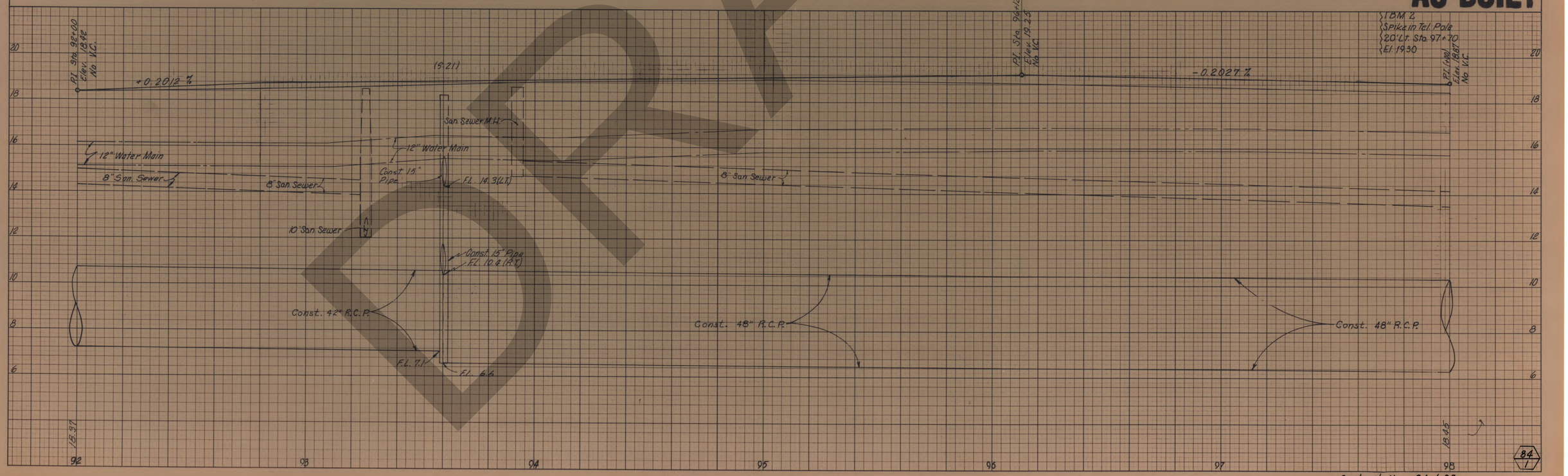
STATE JOB NO. 10002-3508



AS BUILT NOTE:

1. ADDED AS BUILT, LENGTH OF PIPES.
2. ADDED DRIVEWAYS.

AS BUILT



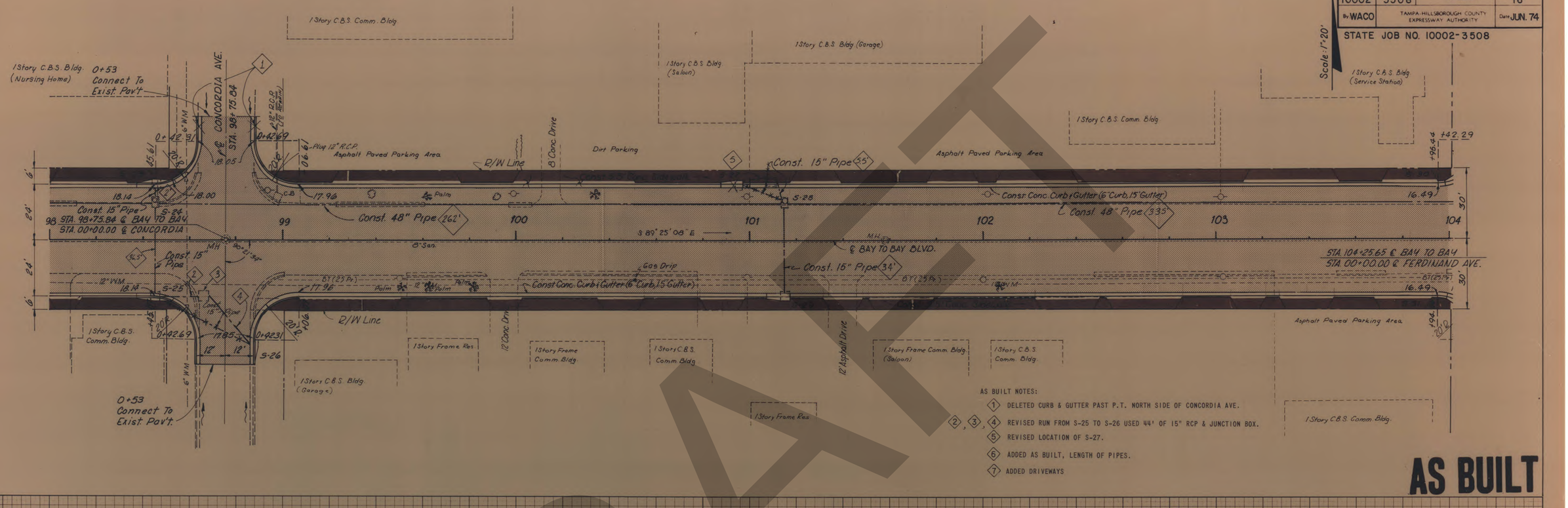
84
1

Contract Nos. 8A & 8B

SECTION	CONTRACT	SOUTH CROSSTOWN EXPRESSWAY	SHEET NO
10002	3508		16
By WACO		TAMPA-HILLSBOROUGH COUNTY EXPRESSWAY AUTHORITY	Date JUN. 74

STATE JOB NO. 10002-3508

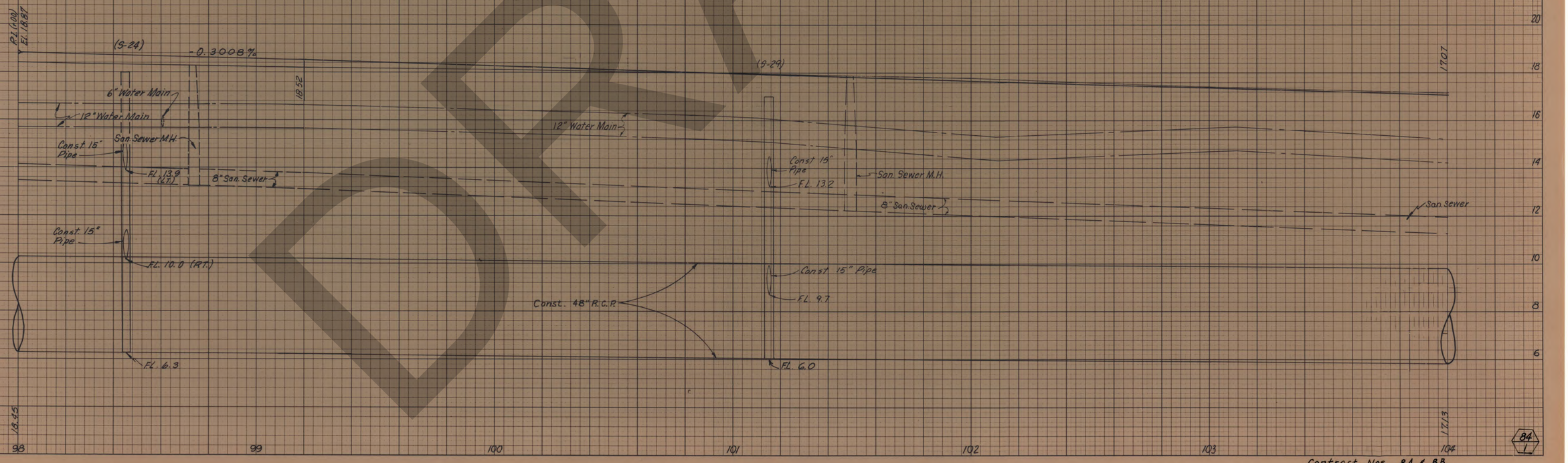
Scale: 1"=20'



AS BUILT NOTES:

1. DELETED CURB & GUTTER PAST P.T. NORTH SIDE OF CONCORDIA AVE.
2, 3, 4. REVISED RUN FROM S-25 TO S-26 USED 44' OF 15" RCP & JUNCTION BOX.
5. REVISED LOCATION OF S-27.
6. ADDED AS BUILT, LENGTH OF PIPES.
7. ADDED DRIVEWAYS

AS BUILT

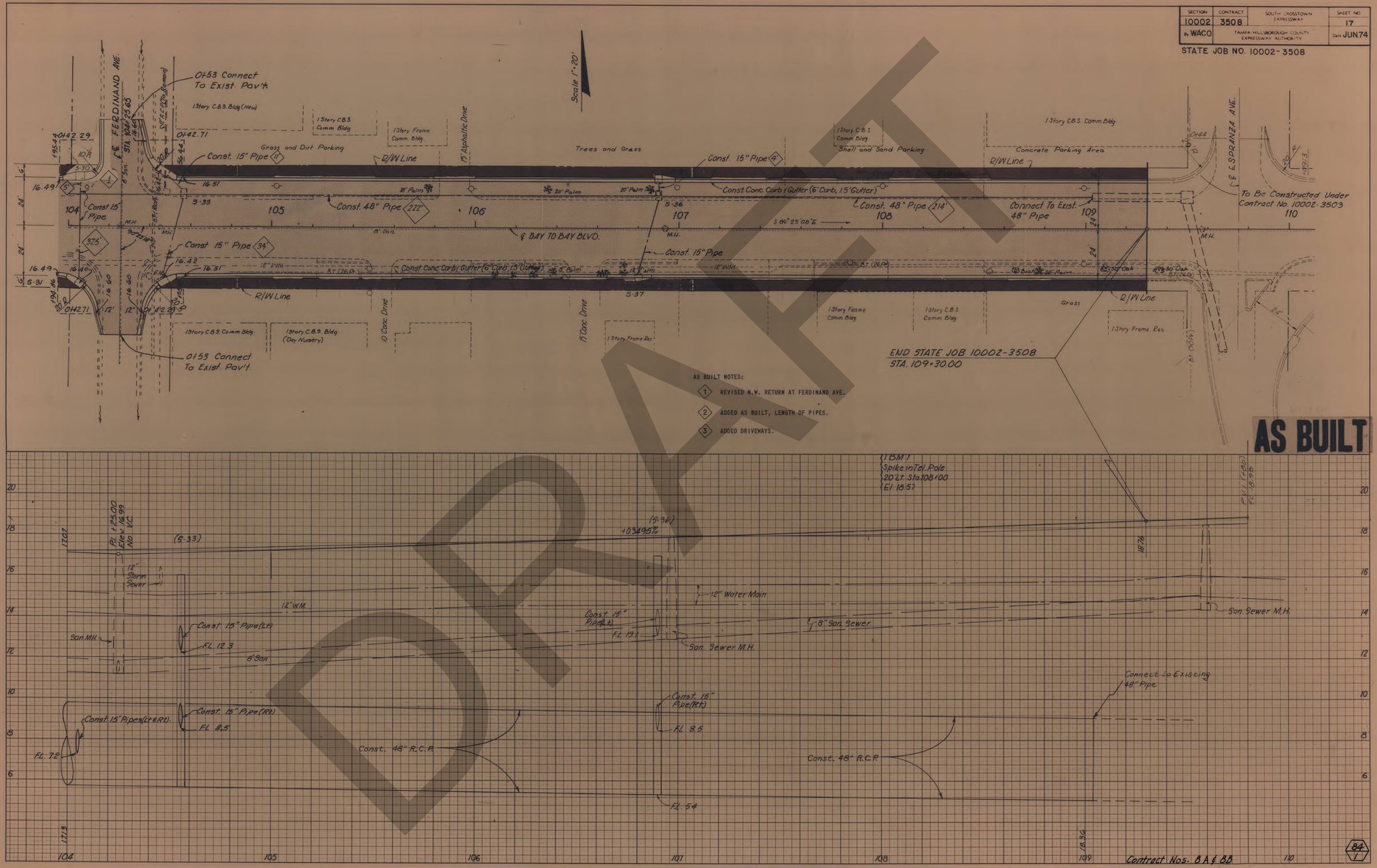


DRAFT

Contract Nos. 8A & 8B

SECTION	CONTRACT	SOUTH CROSSTOWN EXPRESSWAY	SHEET NO
10002	3508		17
By WACO	TAMPA HILLSBOROUGH COUNTY EXPRESSWAY AUTHORITY		Date JUN.74

STATE JOB NO. 10002-3508



AS BUILT NOTES:

1. REVISED N.W. RETURN AT FERDINAND AVE.
2. ADDED AS BUILT, LENGTH OF PIPES.
3. ADDED DRIVEWAYS.

AS BUILT

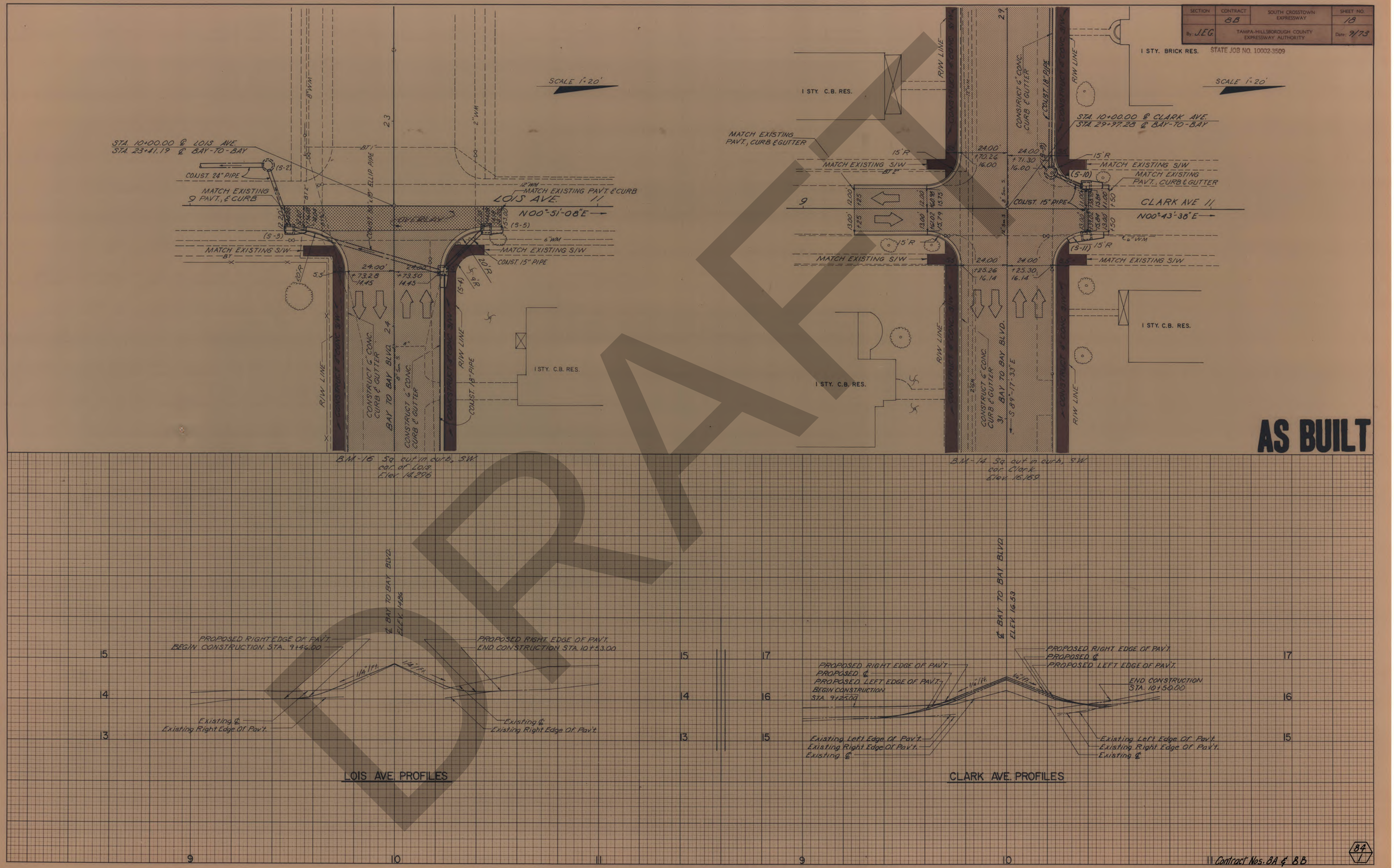
Contract Nos. 8A & 8B

84
1

DRAFT

SECTION	CONTRACT	SOUTH CROSSTOWN EXPRESSWAY	SHEET NO.
	8B		18
By: J.E.G.	TAMPA-HILLSBOROUGH COUNTY EXPRESSWAY AUTHORITY		Date: 9/73

STATE JOB NO. 10002-3509



DRAFT

FINAL SURVEY — NOTE BOOK — NO. — SURVEYED — PLOTTED — TEMPLATE — AREAS — AREAS CHECKED — BY — DATE

ORIGINAL SURVEY — NOTE BOOK — NO. — SURVEYED — PLOTTED — TEMPLATE — AREAS — AREAS CHECKED — BY — DATE

Contract Nos. 8A & 8B

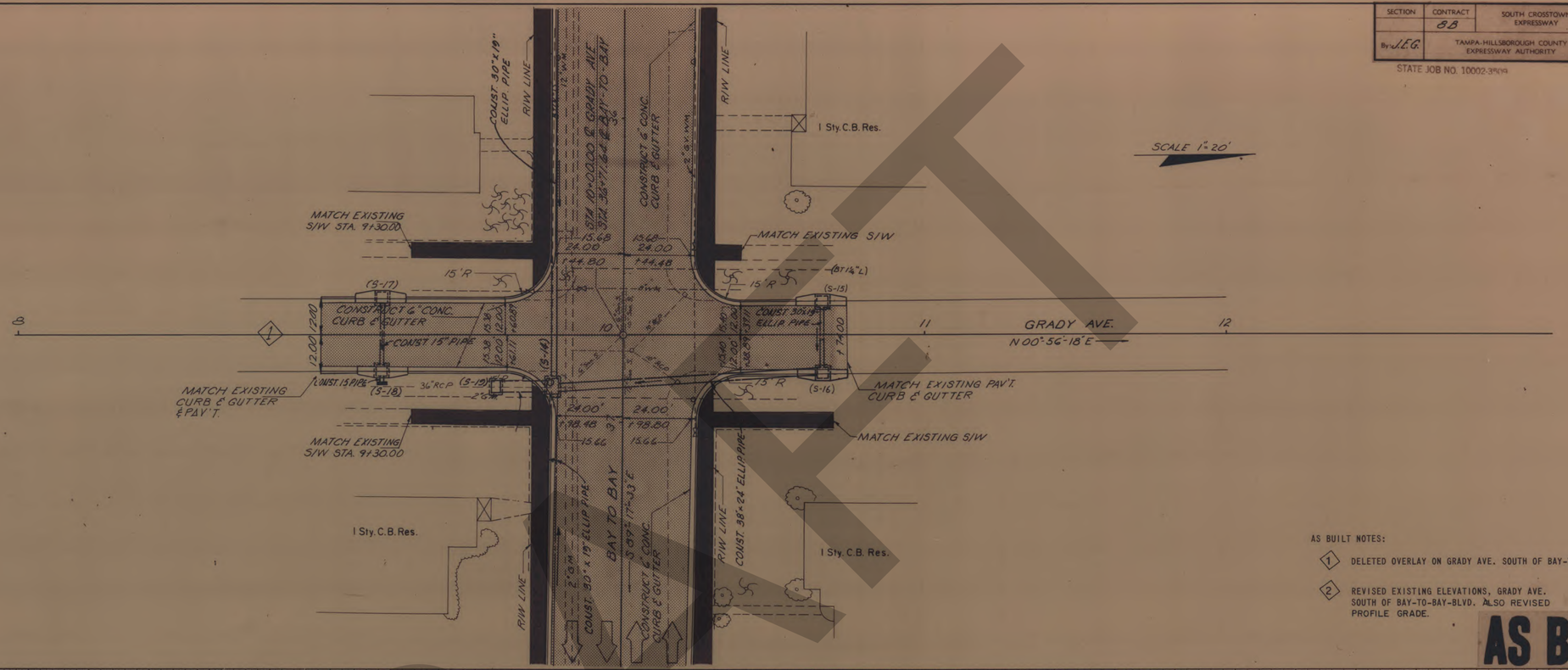
84/1

SECTION	CONTRACT	SOUTH CROSSTOWN EXPRESSWAY	SHEET NO.
	8B		19
By: J.E.G.	TAMPA-HILLSBOROUGH COUNTY EXPRESSWAY AUTHORITY		Date: 9/73

STATE JOB NO. 10002-3509

FINAL SURVEY — SURVEYED, PLOTTED, TEMPLATE, AREAS, AREAS CHECKED — BY, DATE — NOTE BOOK, NO

ORIGINAL SURVEY — SURVEYED, PLOTTED, TEMPLATE, AREAS, AREAS CHECKED — BY, DATE — NOTE BOOK, NO

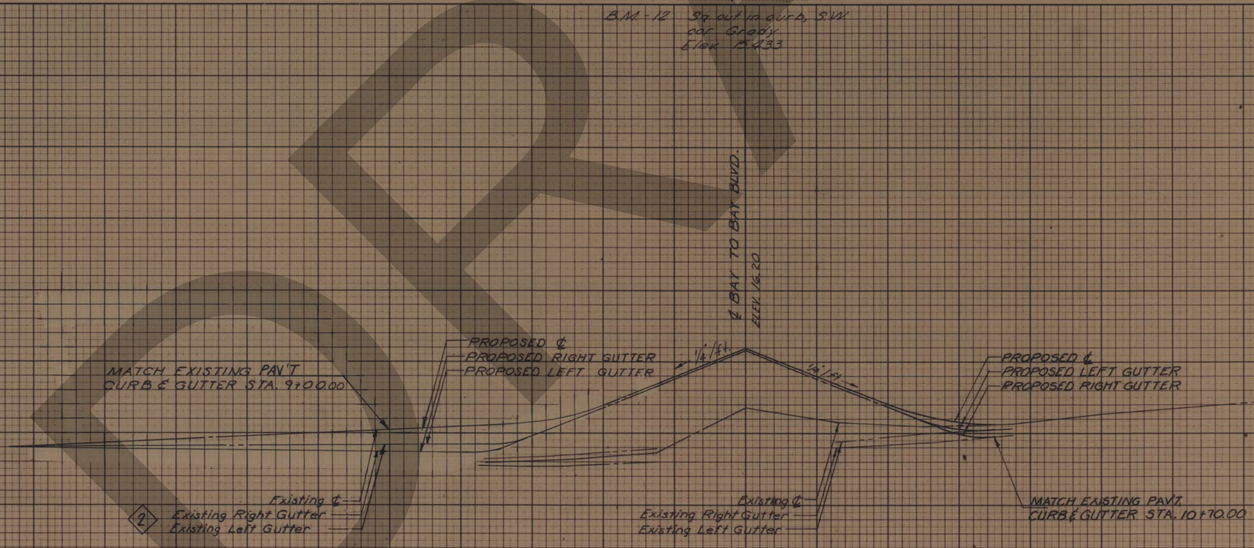


AS BUILT NOTES:

1. DELETED OVERLAY ON GRADY AVE. SOUTH OF BAY-TO-BAY BLVD.
2. REVISED EXISTING ELEVATIONS, GRADY AVE. SOUTH OF BAY-TO-BAY-BLVD. ALSO REVISED PROFILE GRADE.

AS BUILT

B.M.-12 Sq. cut in curb, S.W. cor. Grady & Bay, El. 14.33



GRADY AVE. PROFILES

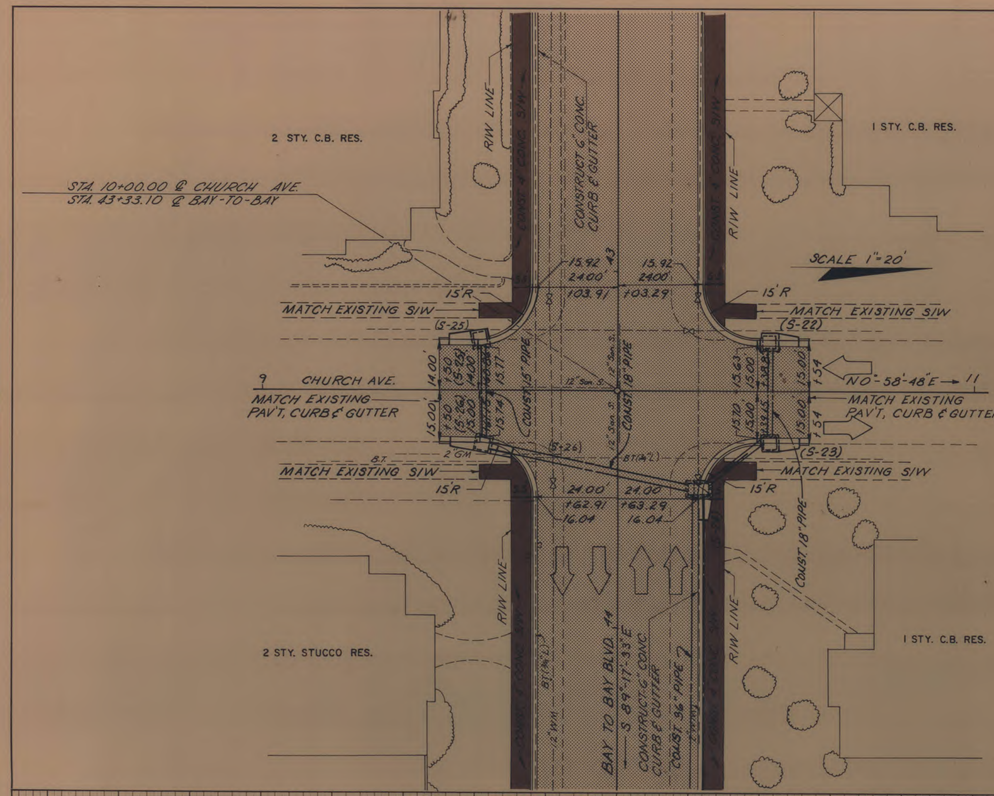
Contract Nos. 8A & 8B

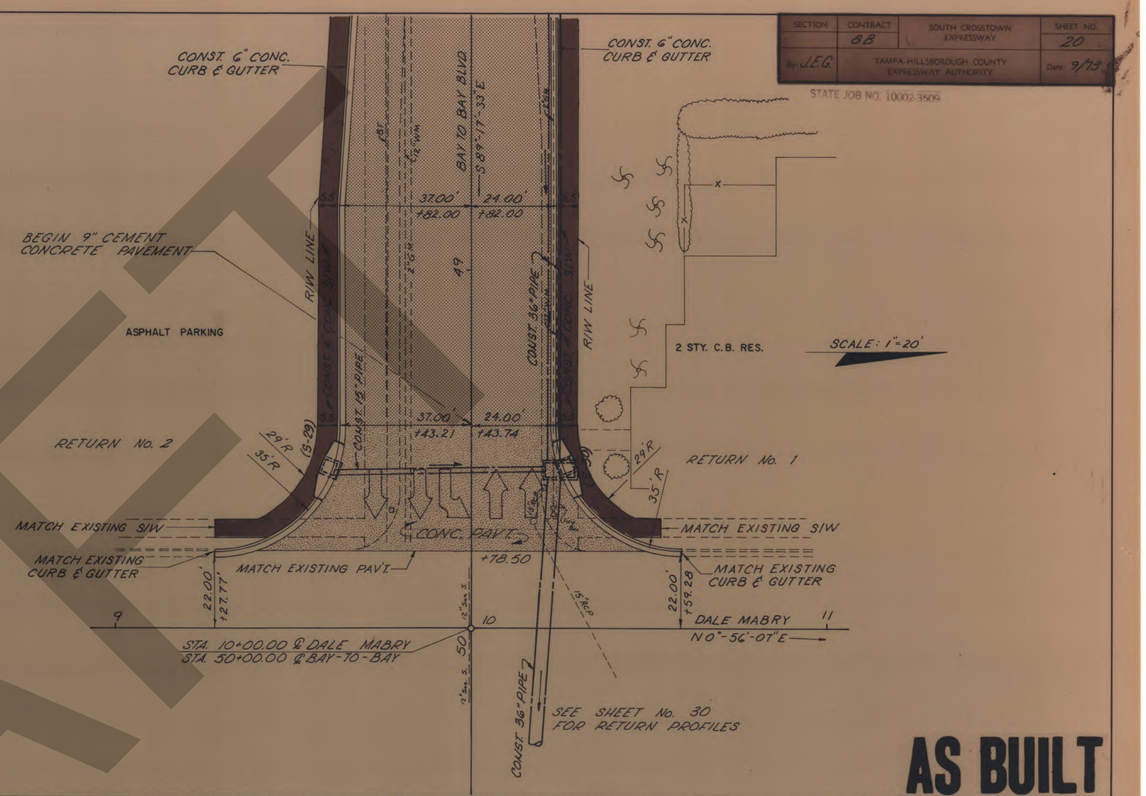
84

SECTION	CONTRACT	SOUTH CROSSTOWN EXPRESSWAY	SHEET NO.
	8B		20
By J.E.G.		TAMPA-HILLSBOROUGH COUNTY EXPRESSWAY AUTHORITY	Date 9/73

STATE JOB NO. 10002-3509

FINAL SURVEY	BY	DATE
SURVEYED		
PLOTTED		
TRIAL SITE		
AREAS		
NOTE BOOK		
NO.	AREAS CHECKED	

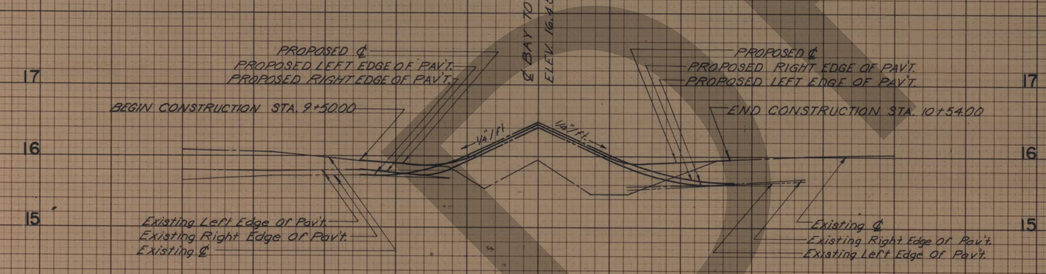




AS BUILT

B.M.-10 Sq. cut in curb, S.E. cor. of Church Elev. 15.009

B.M.-9 Sq. cut in curb, S.W. cor. Dale Mabry Elev. 16.838



CHURCH AVE. PROFILES

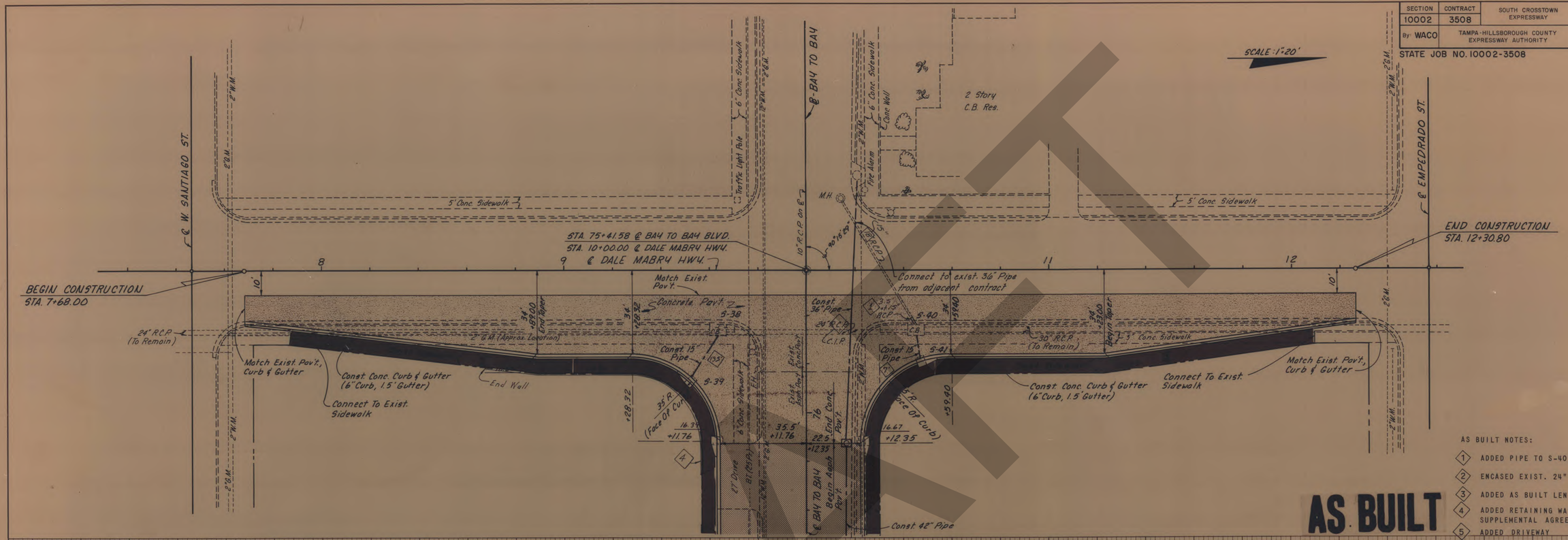


DALE MAYBRY AVE. PROFILES

SECTION	CONTRACT	SOUTH CROSSTOWN EXPRESSWAY	SHEET NO.
10002	3508		21
By: WACO	TAMPA-HILLSBOROUGH COUNTY EXPRESSWAY AUTHORITY		Date: JUN.'74

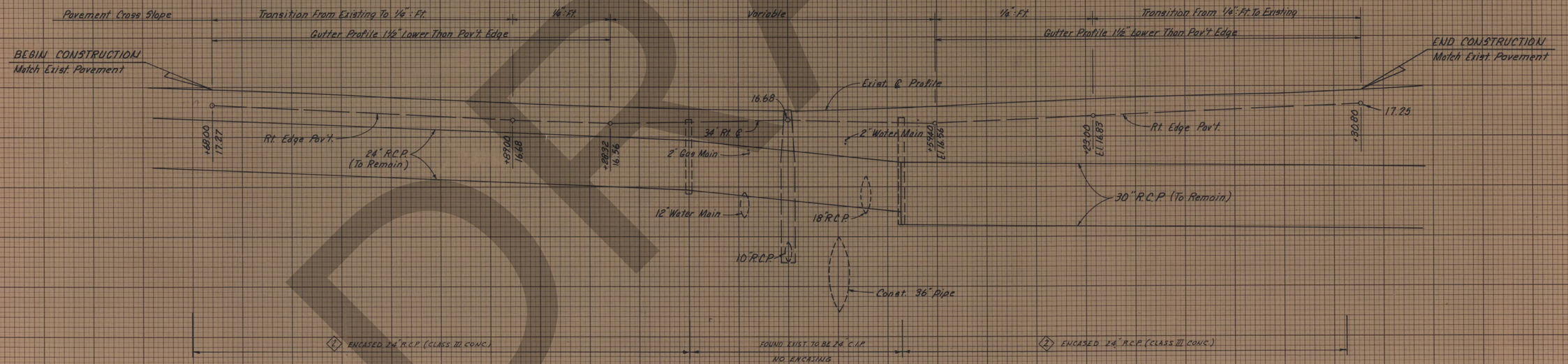
STATE JOB NO. 10002-3508

SCALE: 1"=20'



AS BUILT NOTES:

1. ADDED PIPE TO S-40.
2. ENCASED EXIST. 24" R.C.P.
3. ADDED AS BUILT LENGTH OF PIPES.
4. ADDED RETAINING WALL, SUPPLEMENTAL AGREEMENT NO. 6.
5. ADDED DRIVEWAY



Contract Nos. 8A & 8B

84

K&E CO. ORLANDO, FLA.

SECTION	CONTRACT	SOUTH CROSSTOWN EXPRESSWAY	SHEET NO
10002	2508		R-3
By WACO		TAMPA-HILLSBOROUGH COUNTY EXPRESSWAY AUTHORITY	Date JUN.74

SEC. 33, T29 S, R18 E

Scale: 1" = 20'

DALE MABRY HWY.

VIRGINIA PARK ST.

PB 9, Pg 2

SANTIAGO

EMPEDRADO

BAY TO BAY BLVD.

76

Exist. R/W Line

Lot Line (P)

24 RCP (To Remain)

Res

2-CB Res

Traffic Light Pole

Fire Alarm

M H

C.B.

2"W.M.

4"W.M.

2"G.M.

2"S.M.

2"R.W.M.

8" R.W.M.

E. Survey & Const. 49

S 89°17'33" E

BEGIN STATE JOB 1002-2508
STA 75+20.08
END STATE JOB 1002-2509
STA 49+78.50

500' S 89°17'33" E

781.14'

30" RCP

N 0°57'56" E

Exist R/W Line 1

18'33"

2"G.M. (Approximate)

100.06'

S 7°33'56" W

5' Temporary Construction Easement Line

S 6°26'02" E

88.55'

60.08'

S 0°57'56" W

N 0°57'56" E 39.35'

S 0°57'56" W

405 N 7°33'56" E

R = 29.00'
Δ = 89°44'31"
A = 45.42'

R = 28.50'
Δ = 89°44'31"
A = 44.64'

R = 29.00'
Δ = 90°15'29"
A = 45.68'

5.00 S 89°17'33" E

202.1 (202.2)

201.1 (201.2) (201.3) (201.4)

273.1

275.1

276.1

272.1

BLK 35

BLK 26

Church

Existing R/W Line

R/W Line

12

13

14

11

10

15

Note:
Parcel title to be acquired in fee simple unless denoted otherwise.

Contract Nos. 8A & 8B

NO	REVISION	BY	DATE
2	Added Parcels 275.1 and 276.1	J.J.W.	11-1-15
1	Change Parcel 274.1 To 272.1	E.J.	8/24/15

TAMPA-HILLSBOROUGH COUNTY EXPRESSWAY AUTHORITY

SOUTH CROSSTOWN EXPRESSWAY

RIGHT OF WAY MAP
DALE MABRY HWY.

J. E. GREINER COMPANY — CONSULTING ENGINEERS — WATSON & COMPANY — TAMPA, FLORIDA

MADE B.J.S. DATE 2/1/73 | TRACED C.M. DATE 6/74
CHECKED R.D.C. DATE 6/74 | SCALE

84/1

DRAFT

SECTION	CONTRACT	SOUTH CROSSTOWN EXPRESSWAY	SHEET NO.
10002	2508		R-4
By WACO		TAMPA-HILLSBOROUGH COUNTY EXPRESSWAY AUTHORITY	Date JUN.74

FOUNDATION
S. 45° 50' 12" W 0.875'
N 44° 09' 48" W 3.00'
N. 45° 50' 12" E 0.875'
INSERT "B"
Exist R/W Line
276.1

Fire Alarm
48" RCP
DALE MABRY HWY.
N 0° 57' 56" E
Lot Line (P)
Exist R/W Line
5'
30' R/W
201.1
201.2
201.3
201.4
276.1
See Insert "B"
R=29.00'
Δ=90°15'29"
A=45.68'
½" I.R.
55'(P)
CHURCH
13
14
15
BLK 26
16
17
CHURCH
18
19
Scale: 1"=20'
20
21
22
272.1
5' Temporary Construction Easement Line
SEC. 33, T 29 S, R 18 E
2-F RES
206.1
50'
25'(D)
2"WM
STA. 75+41.58 ℄ BAY TO BAY
STA. 10+00.00 ℄ DALE MABRY
M.H.
76
℄ Survey & ℄ Const.
77
78
79
80
BEGIN STATE JOB 1002-2508
STA. 75+20.08
END STATE JOB 1002-2509
STA. 49+78.50
S 89° 17' 33" E
BAY TO BAY BLVD.
Note: 5' Additional Right-of-Way has been acquired each side of Dale Mabry Highway
30.36'
71.56'
29.61'
10" RCP
2"GM
12"WM
BT(25'Pr)
2"GM (Cut & Drip)
12"WM
BT(Sprl)
175.00'
50'
S 89° 17' 33" E
173.56'
25'(D)
202.1
202.2
½" I.R. See Insert "A"
Exist. R/W Line
134.63'
N 89° 17' 33" W
S 89° 17' 33" E
R/W Line
R=23.00'
Δ=89°44'31"
A=36.02'
R=28.50'
Δ=89°44'31"
A=44.62'
273.1
275.1
203.1
N 86° 20' 05" E
100.60'
S 86° 20' 05" W
S 03° 39' 55" E
0.50'
3.61'
S 89° 17' 33" E
100.38'
70.50'
N 89° 17' 33" W
3.68'
274.1
204.1
BLK 35
7
8
9
10
11
12
2-S RES
6
5
4
3
205.1
1-B RES
5' Temporary Construction Easement Line
FOUNDATION
Exist R/W Line
23'R
N 44° 09' 48" W 225'
N 45° 50' 12" E 300'
INSERT "A"
S 44° 09' 48" E 225'
0.50' RETAINING WALL
275.1
VIRGINIA PARK
P.B. 9, Pg. 2

SEC. 33, T 29 S, R 18 E
22
BLK 26
206.1
2-CB RES.
23
24
207.1
½" I.R.
50'
54'
55'
R/W
AVE.
N 0° 53' 03" E
208.1
55'
50'
13
BLK 25
14
15
1-F RES
16
209.1
17
18
1-F RES
210.1
19
1-S RES
211.1
20
Scale 1"=20'
21
1-B RES
212.1
5' Temporary Construction Easement Line
25'
25'
30'
STA. 82+05.59 ℄ BAY TO BAY
STA. 00+00.00 ℄ STERLING
80.57'
29.26'
30.73'
81
82
MH
83
℄ Survey & ℄ Const.
84
85
P.I. = STA. 85+19.79
Δ=0°07'35" LT.
86
S 89° 17' 33" E
S 89° 25' 08" E
BAY TO BAY BLVD.
60'
12"WM
BT(Sprl)
2"GM
BT(25'Pr)
2"GM
12"WM
2"GM
25'(D)
25'(D)
25'(D)
29'(D)
55' R/W
50'
5' Temporary Construction Easement Line
205.1
213.1
214.1
215.1
216.1
217.1
218.1
219.1
220.1
3
2
1
BLK 35
1-F RES
1-F RES
STERLING AVE.
1½" I.R.
R/W
12
CHURCH BOOK STORE
11
10
1-CB RES.
9
8
CHURCH
7
BLK 36
6
5
4
F.R.S. RES
VIRGINIA PARK
P.B. 9, Pg. 2

PARCEL NO	GRANTOR	AREA TAKEN	REMAINDER RIGHT	REMAINDER LEFT
200.1	PALMA CEIA METHODIST CHURCH, INC.	2,356 S.F.	N.A.	
201.1	PALMA CEIA METHODIST CHURCH, INC.	1,652 S.F.	N.A.	
202.1	PALMA CEIA METHODIST CHURCH, INC.	3,816 S.F.	N.A.	
203.1	CLARA B. HALL	1,149 S.F.	N.A.	
⚠ 274.1	CLARA B. HALL	52 S.F.		
⚠ 275.1	PALMA CEIA METHODIST CHURCH, INC.	141 S.F.		
⚠ 276.1	PALMA CEIA METHODIST CHURCH, INC.	3 S.F.		

TEMP. CONSTRUCTION EASEMENT	
PARCEL NO.	GRANTOR
205.1	CORBETT E. & DOROTHY C. SIPE
206.1	N. T. & PATRICIA HOWE
207.1	THOS. A. ADDISON
208.1	F. J. & ELIZABETH HOHNADEL
209.1	N. & ANN CAPITANO
210.1	N. N. & DOROTHY PLANT
211.1	D. R. & DOROTHY BRUCE

212.1	S. K. BROWN
213.1	IDA BAKER
214.1	G. B. & MARTHA BEVIS
215.1	THIRD CHURCH OF CHRIST SCIENTIST
216.1	DONALD W. BERTRAN
217.1	THIRD CHURCH OF CHRIST SCIENTIST
⚠ 218.1	WHITLEY & JUANITA C. IRVIN
219.1	CURTIS & MARTHA SPENCER JR.

204.1	CLARA B. HALL
271.1	PALMA CEIA METHODIST CHURCH, INC.
272.1	PALMA CEIA METHODIST CHURCH, INC.
273.1	PALMA CEIA METHODIST CHURCH, INC.

Note:
Parcel title to be acquired in fee simple unless denoted otherwise.

Contract Nos. 8A & 8B

84/1

NO	REVISION	BY	DATE
⚠	ADDED PARCELS 274.1, 275.1, 276.1	JJW	11-7-75
⚠	CHANTOR - PARCEL 218.1	EAJ	9-3-74

TAMPA-HILLSBOROUGH COUNTY EXPRESSWAY AUTHORITY

SOUTH CROSSTOWN EXPRESSWAY

RIGHT OF WAY MAP

STA. 75+00 TO STA. 86+50

J. E. GREINER COMPANY — WATSON & COMPANY

DESIGNED BJS DATE 2/73 DRAWN C.M. DATE 6/74
CHECKED R.D.C. DATE 6/74 APPROVED DATE

DRAFT

SECTION	CONTRACT	SOUTH CROSSTOWN EXPRESSWAY	SHEET NO.
10002	2508		R-5
By WACO		TAMPA-HILLSBOROUGH COUNTY EXPRESSWAY AUTHORITY	Date: JUN.74

SEC. 33 | SEC. 34

5' Temporary Construction Easement Line

BLK 25 | BLK 59 | BLK 36 | BLK 60 | BLK 58 | BLK 61 | BLK 57 | BLK 62

AVE. | HIMES | MALIJO | CONCORDIA

BAY TO BAY BLVD.

10' Temporary Construction Easement Line

5' Temporary Construction Easement Line

SEC. 34, T 29 S, R 18 E

STA. 88+72.83 ℄ BAY TO BAY
STA. 00+00.00 ℄ HIMES AVE.

STA. 93+25.80 ℄ BAY TO BAY
STA. 00+00.00 ℄ MALIJO

STA. 98+75.84 ℄ BAY TO BAY
STA. 00+00.00 ℄ CONCORDIA

VIRGINIA PARK
P.B. 9, Pg. 2

PALMA CEIA PARK
P.B. 4, Pg. 58

Scale 1"= 20'

FOR CONTRACTORS INFORMATION ONLY

Contract Nos. 8A & 8B

NO	REVISION	BY	DATE

TAMPA-HILLSBOROUGH COUNTY EXPRESSWAY AUTHORITY

SOUTH CROSSTOWN EXPRESSWAY

RIGHT OF WAY MAP
STA. 86+50 TO STA. 99+00

J. E. GREINER COMPANY — WATSON & COMPANY
CONSULTING ENGINEERS — TAMPA, FLORIDA

MADE B.J.S. DATE 2/'73 | TRACED C.M. DATE 6/'74
CHECKED R.D.C. DATE 6/'74 | SCALE

NOV 11 197

84/1

DRAFT

SECTION	CONTRACT	SOUTH CROSSTOWN EXPRESSWAY	SHEET NO.
10002	2508		R-6
By: WACO		TAMPA-HILLSBOROUGH COUNTY EXPRESSWAY AUTHORITY	Date: JUN. 74

1-CB Comm. Bldg. 1-CB Garage 1-CB Saloon 1-CB Service Station 1-CB Bldg. (New) 1-CB Comm. Bldg.

11 12 13 14 15 16 17 18 19 20

235.1 242.1 243.1 244.1 245.1 246.1

BLK. 57 BLK. 56

Scale 1" = 20'

SEC. 34, T29S, R18E

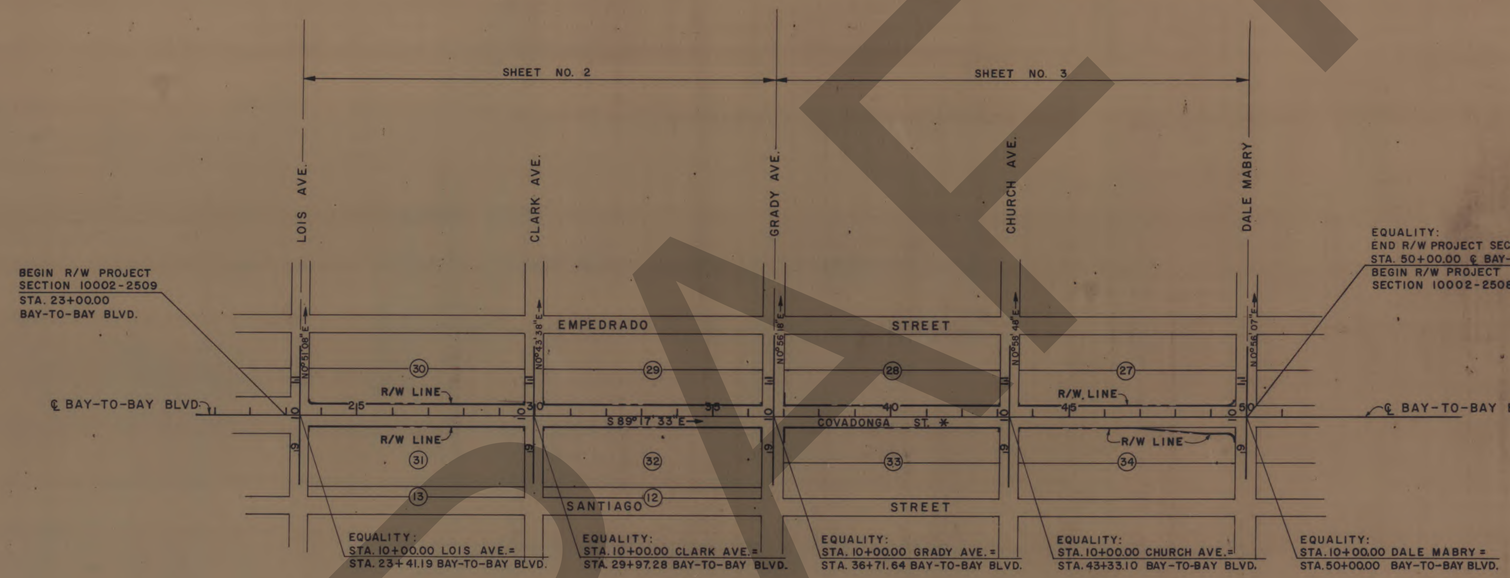
5' Temporary Construction Easement Line

50' 5' 50' 50' 50

SECTION	CONTRACT	SOUTH CROSSTOWN EXPRESSWAY	SHEET NO.
10002	2509		R/W 1
By: J.E.G.		TAMPA-HILLSBOROUGH COUNTY EXPRESSWAY AUTHORITY	Date: JULY 1973

SCALE: 1"=200'

SEC. 33, T29S, R18E



CITY OF TAMPA FLORIDA

DRAFT

UTILITY OWNERS

TELEPHONE LINES, CABLES AND POLES.....GENERAL TELEPHONE COMPANY
519 ZACK ST. TAMPA, FLORIDA.

POWER LINES, CABLES AND POLES.....TAMPA ELECTRIC COMPANY
TAMPA, FLORIDA.

WATER SYSTEM
SANITARY SEWER SYSTEM
FIRE ALARM SYSTEM } .....CITY OF TAMPA, TAMPA, FLA.

NATURAL GAS SYSTEM.....PEOPLES GAS COMPANY
215 S. TAMPA ST. TAMPA, FLA.

NOTE: HORIZONTAL CONTROL DATUM IS BASED ON U.S.C.& G.S. GRID COORDINATE SYSTEM N.A.D. 1927.

FOR CONTRACTORS INFORMATION ONLY

Contract Nos. 8A & 8B

NO.	REVISION	BY	DATE

TAMPA-HILLSBOROUGH COUNTY EXPRESSWAY AUTHORITY

SOUTH CROSSTOWN EXPRESSWAY

KEY MAP

J. E. GREINER COMPANY — WATSON & COMPANY
CONSULTING ENGINEERS TAMPA, FLORIDA

MADE W.J.M. DATE 6-25-73 | TRACED W.J.M. DATE 6-28-73
CHECKED A.J.M. DATE 7-12-73 | SCALE 1"= 200'

84/1

SHEET 1 OF 3

SECTION	CONTRACT	SOUTH CROSSTOWN EXPRESSWAY	SHEET NO.
10002	2509		R/W 2
By: J.E.G.		TAMPA-HILLSBOROUGH COUNTY EXPRESSWAY AUTHORITY	Date: JULY 1973



PARCEL NO.	GRANTOR	AREA TAKEN	REMAINDER RIGHT	REMAINDER LEFT
102.1	L. E. and GERTRUDE M. HALL	TEMP. CONSTRUCTION EASEMENT		
103.1	E. J. and RUTH PERKINS	"	"	"
104.1	CHARLES E. and SUE SIMMONS	"	"	"
105.1	JOSEPH J. and RUBY LASTUFKA	"	"	"
106.1	C. J. and VIRGINIA ULMER	"	"	"
107.1	SAM and CARMEN ALFANO	"	"	"
108.1	E. M. and MARTHA ARNOLD	"	"	"
109.1	R. E. and SHIRLEY RATHERS	"	"	"
110.1	ESTHER PLA ALLEN	"	"	"
111.1	JENNIE and LA RUE HUTTON	"	"	"
112.1	R. D. and MARY WIDDOW	"	"	"
113.1	DONALD E. and SALLY STRAUB	"	"	"
114.1	MIRIAM HIRSCH	"	"	"
115.1	A. B. ANGLE	"	"	"
116.1	IRENE B. FAGER	"	"	"
117.1	FEDERAL NAT'L. MTG. ASSOC.	"	"	"
118.1	C. M. MILLIRON	"	"	"
119.1	J. B. and GENEVIEVE KUSHNER	"	"	"
120.1	ALLEN and RHODA ALBERT	"	"	"
121.1	JOANNE HOWELL	"	"	"
122.1	J. R. and VIOLA WEST	"	"	"
123.1	E. T. and ELEANOR BLANE	"	"	"
124.1	MARVIN L. and AGNES BARTON	"	"	"
125.1	C. E. and MYRTLE SHEARIN	"	"	"
126.1	PARK (CITY OF TAMPA REC. DEPT.)	"	"	"
152.1	PARK (CITY OF TAMPA REC. DEPT.)	"	"	"
153.1	WILLIAM L. TODD			

FOR CONTRACTORS INFORMATION ONLY

Contract Nos. 8A & 8B

84/1

NO.	REVISION	BY	DATE
1	ADDED TEMPORARY CONSTRUCTION EASEMENTS J.E.G.	W.J.M.	1-28-74

TAMPA-HILLSBOROUGH COUNTY EXPRESSWAY AUTHORITY

SOUTH CROSSTOWN EXPRESSWAY

BAY-TO-BAY BLVD.

J. E. GREINER COMPANY — WATSON & COMPANY
CONSULTING ENGINEERS TAMPA, FLORIDA

MADE W. J. M. DATE 6-22-73
CHECKED A. J. M. DATE 7-12-73
TRACED W. J. M. DATE 6-28-73
SCALE 1"=50'

SHEET 2 OF 3

#2

SECTION	CONTRACT	SOUTH CROSSTOWN EXPRESSWAY	SHEET NO.
10002	2509		2/W3
By: J.E.G.		TAMPA-HILLSBOROUGH COUNTY EXPRESSWAY AUTHORITY	Date: JULY 1973

VIRGINIA PARK

P.B. 9, PG. 2 P.R.H.C.F. JAN. 25, 1915

SCALE: 1" = 50'

SEC. 33, T29S, R18E

EQUALITY:
STA. 10+00.00 GRADY AVE. =
STA. 36+71.64 BAY-TO-BAY

EQUALITY:
STA. 10+00.00 CHURCH AVE. =
STA. 43+33.10 BAY-TO-BAY

EQUALITY:
END R/W PROJECT SECTION 10002-2509
STA. 50+00.00 ℄ BAY-TO-BAY BLVD.
BEGIN R/W PROJECT
SECTION 10002-2508

EQUALITY:
STA. 10+00.00 DALE MABRY =
STA. 50+00.00 BAY-TO-BAY

EMPEDRADO STREET

GRADY AVE. N0°56'18"E

CHURCH AVE. N0°58'48"E

DALE MABRY N0°56'07"E

100' TEMPORARY CONSTRUCTION EASEMENT LINE

EXIST. R/W LINE

100' TEMPORARY CONSTRUCTION LINE

SEE INSERT "A"

S89°17'33"E

℄ BAY-TO-BAY BLVD.

S89°25'20"E

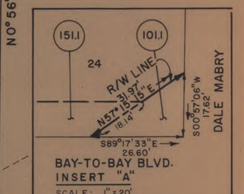
THIS PARCEL TO BE ACQUIRED UNDER SECTION 10002-2508

ASPHALT PARKING LOT

SANTIAGO STREET

LEGEND

POWER POLE
TELEPHONE POLE
COMBINATION POLE
LIGHT STANDARD
GUY WIRE & ANCHOR PIN
BURIED ELECTRIC POWER CABLE — BE(T.S.) —
ELECTRIC DUCT — E-4"PVC(T.S.) —
BURIED TELEPHONE CABLE — BT(200 PR) —
TELEPHONE DUCT — T-4"PVC, 6"RTD —
WATER MAIN — 8" W.M. —
GAS MAIN — 12" G.M. —
DRIP POT
VALVE
FIRE HYDRANT
AIR VALVE
BLOW-OFF
SANITARY SEWER — 8" SAN —
STORM SEWER — 12" S.S. —
MANHOLE
STREET NAME FROM PLAT
PUBLIC RECORDS HILLSBOROUGH COUNTY FLA. P.R.H.C.F.
PROPERTY LINE
IRON PIPE I.P.O.
IRON ROD I.R.O.
CONCRETE MONUMENT C.M.O.
FIELD DIMENSION (F)
DEED DIMENSION (D)
CALCULATED DIMENSION (C)



PARCEL NO.	GRANTOR	AREA TAKEN	REMAINDER RIGHT	REMAINDER LEFT
100.1	KENDLE E. STALLINGS, JR. ET UX	190 S.F.	7310 S.F.	—
101.1	OLGA COOPER AND LUCIAN H. McINTIRE	234 S.F.	—	0.71 AC.
127.1	DONALD A. DAVIS, JR.	TEMP. CONSTRUCTION EASEMENT		
128.1	S. D. and DOROTHY THURMAN	"	"	"
129.1	R. J. and ESTELLA GATLIFF	"	"	"
130.1	MABLE B. CAHILL	"	"	"
131.1	ANN P. SQUITIER	"	"	"
132.1	ALTA S. GARNER	"	"	"
133.1	A. L. and JOSEPHINE RINALDO	"	"	"
134.1	CLARK. P. DOUGLAS	"	"	"
135.1	E. J. and BERNICE BELL	"	"	"
136.1	EDITH S. RUFF	"	"	"
137.1	DALE and DONNA MACMILLAN	"	"	"
138.1	J. M. and ELIZABETH LEONARD	"	"	"
139.1	JAMES and ALICE COOPER	"	"	"
140.1	W. R. COX, JR. and DOUGLAS COX	"	"	"
141.1	LUCILLE H. HARTSON	"	"	"
142.1	CATHERINE R. PARKER	"	"	"
143.1	RAYMOND J. and PHYLLIS A. LIONHART	"	"	"
144.1	A. A. JR. and CAROL MASSARO	"	"	"
145.1	ALICE B. FUSS	"	"	"
146.1	THERESA GROSSART	"	"	"
147.1	MARGARET L. KILGORE	"	"	"
148.1	FRANK and VALANDA RODANTE	"	"	"
149.1	ROSALIE HEITLER	"	"	"
150.1	K. E. and ROZENE STALLINGS	"	"	"
151.1	OLGA COOPER			

FOR CONTRACTORS INFORMATION ONLY

Contract Nos. 8A & 8B

NO.	REVISION	BY	DATE
2	ADDED TEMPORARY CONSTRUCTION EASEMENT J.E.G.	W.J.M.	1-29-74
1	ADDED NOTE J.E.G.	W.J.M.	1-7-74

TAMPA-HILLSBOROUGH COUNTY EXPRESSWAY AUTHORITY

SOUTH CROSSTOWN EXPRESSWAY

BAY-TO-BAY BLVD.

J. E. GREINER COMPANY — WATSON & COMPANY
CONSULTING ENGINEERS TAMPA, FLORIDA

MADE W.J.M. DATE 6-25-73 TRACED W.J.M. DATE 6-28-73
CHECKED K.E.W. DATE 7-12-73 SCALE 1"= 50'

84/1

SHEET 3 OF 3

DRAFT

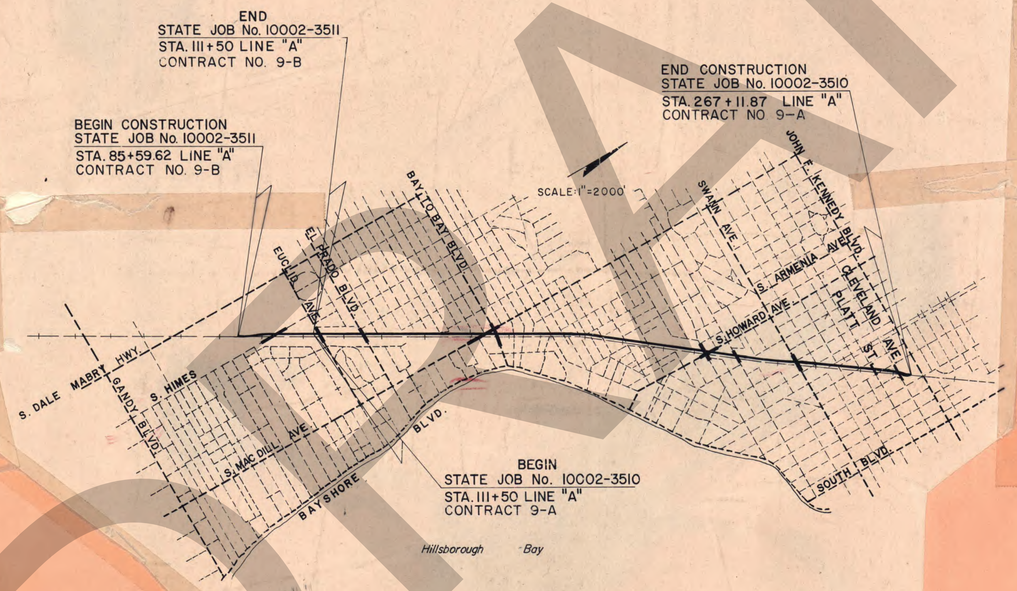
TAMPA - HILLSBOROUGH COUNTY EXPRESSWAY AUTHORITY

— PLANS OF PROPOSED —

SOUTH CROSSTOWN EXPRESSWAY

HILLSBOROUGH COUNTY TAMPA, FLORIDA

STATE JOB NOS. 10002-3510-032 AND 10002-3511-032



CONTRACT NOS.

9A AND 9B

MICROFILMED

Greiner Engineering Sciences, Inc. - WATSON AND COMPANY

Consulting Engineers
To The Tampa - Hillsborough County Expressway Authority

P.O. BOX 23646
TAMPA, FLORIDA 33672
813/879-1711

CONTRACT NUMBER 9A & 9B - State Job No's 10002-3510 & 10002-3511

Description	Drawing Number Sheet No.
Cover Sheet - Relocation of Railroad	
Drainage Maps	2 through 5
Typical Sections	7 through 10
Summary of Quantities	11, 12 & 13
Plan and Profile	14 through 38
Granada Street Outfall	39
Plan and Profile	39A
Plan & Profile Howard Ave. & Watrous Ave.	40
Plan and profile	41 through 46
Drainage Structure Section Profile	47 and 47A
Plan and Profiles	48 through 62
Special Profile	63 through 74
Improvement of Exist Single 6'x4' culvert under R.R.	164
Special Details	165
Storm Sewer Junction Box	166, 167 & 168
Pump Station and Drainage Detail	169
Box Culvert at Howard Avenue	170
54" Storm Sewer Crossing	171 & 172
Signalization Plan	173 & 184
Cover Sheet Sanitary Sewer Relocation	S-1
Summary of Quantities	S-1A
Plan and Profile	S-2,3 & 4
Miscellaneous Details	S-5,6 & 6A
Cover Sheet SCL Railroad Track Relocation	
Summary of Waterline Quantities	W-2
Standard Details	W-3 & 4
Valve Vault Details	W-5
Plan and Profiles	W6 through 11
Ramp "A" and Santiago Street Details	W-11A
Plan and Profile	W12 through W15
Plan Howard & Watrous Avenue	W-16
Plan and Profile	W-16A through 21A

MICROFILMED

TOTAL NO. MYLAR SHEETS 87.

MICROFILMED MICROFILMED MICROFILMED MICROFILMED

AS BUILT

APR 21 1976

84
1

TAMPA - HILLSBOROUGH COUNTY EXPRESSWAY AUTHORITY

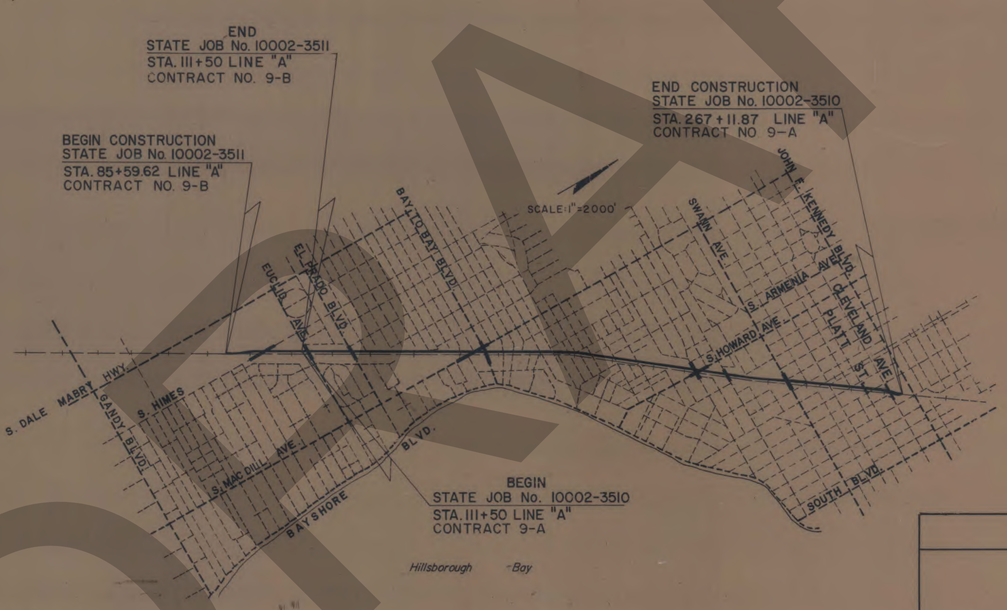
—PLANS OF PROPOSED—

SOUTH CROSSTOWN EXPRESSWAY

HILLSBOROUGH COUNTY TAMPA, FLORIDA

STATE JOB NOS. 10002-3510-032 AND 10002-3511-032

SHEET NO	INDEX OF SHEETS
1	KEY MAP
2 - 5	DRAINAGE MAPS
6	TRAVERSE CONTROL SHEET
7 - 10	TYPICAL CROSS-SECTIONS
11 - 13	SUMMARY OF QUANTITIES
14	MASS DIAGRAM
15 - 46	PLAN AND PROFILE
47,47A,48 - 62	DRAINAGE STRUCTURES
63 - 74	SPECIAL PROFILES
74 - A	SOIL CLASSIFICATION SHEET
75 - 163	CROSS SECTIONS
164 - 172	SPECIAL DETAILS
173 - 174	TRAFFIC SIGNALS
175 - 176	RAILROAD CONSTRUCTION SEQUENCE
177 - 179	SEABOARD COAST LINE STANDARD DRAWINGS
180 - 181	INDEX NUMBER 194 (2 SHEETS)
182 - 184	INDEX NUMBER 195 (3 SHEETS)
185 -	INDEX NUMBER 200-A
186 - 187	INDEX NUMBER 1101-W (2 SHEETS)
188	INDEX NUMBER 1331-C
189	INDEX NUMBER 1454-B
190 - 193	INDEX NUMBER 1465-K (4 SHEETS)
194 - 196	INDEX NUMBER 1467-A (3 SHEETS)
197 - 200	INDEX NUMBER 2300-R (4 SHEETS)
201	INDEX NUMBER 2319
202 - 204	VOID
205	INDEX NUMBER 2892
206	INDEX NUMBER 5016-B
207	INDEX NUMBER 5046-D
208 - 209	INDEX NUMBER 5047-F (2 SHEETS)
210 - 211	INDEX NUMBER 5061-D (2 SHEETS)
212 - 213	INDEX NUMBER 5072-G (2 SHEETS)
214 - 215	INDEX NUMBER 5080-G (2 SHEETS)
216	INDEX NUMBER 5086-A
W - 1 - W21	WATER LINE RELOCATION PLANS
S - 1 - S - 6	SANITARY SEWER RELOCATION PLANS
R/W 1 - R/W 7	RIGHT-OF-WAY-MAPS





ATTENTION IS DIRECTED TO THE FACT THAT THESE PLANS MAY HAVE BEEN REDUCED IN SIZE BY REPRODUCTION. THIS MUST BE CONSIDERED WHEN OBTAINING SCALED DATA.

REVISIONS

Sheet 5-1A	(Revised 4-25-73)
Sheet 175	(Revised 5-2-73)
Sheet 11	(Revised 5-17-73)

LENGTH OF JOBS

	STATE JOB NO. 10002 – 3510		STATE JOB NO 10002 – 3511		TOTAL	
	LIN. FT.	MILES	LIN FT.	MILES	LIN. FT.	MILES
RAILROAD	15,561 87	2.947	2,590.38	0 490	18,152.25	3.437
BRIDGES	–0–	–0–	– 0 –	– 0 –	–0–	–0–
NET LENGTH	15,561.87	2.947	2,590.38	0 490	18,152.25	3.437
EXCEPTIONS	–0–	–0–	–0–	–0–	–0–	–0–
GROSS LENGTH	15,561.87	2 947	2,590.38	0.490	18,152.25	3.437

APPROVAL RECOMMENDED APRIL 13, 1973
BY [signature]

APPROVED APRIL 13, 1973
BY [signature]
CHAIRMAN

CONTRACT NOS.
9A AND 9B

SUBMITTED [signature]
J. E. GREINER CO., INC.

AS BUILT DRAWINGS
APR 21 1975

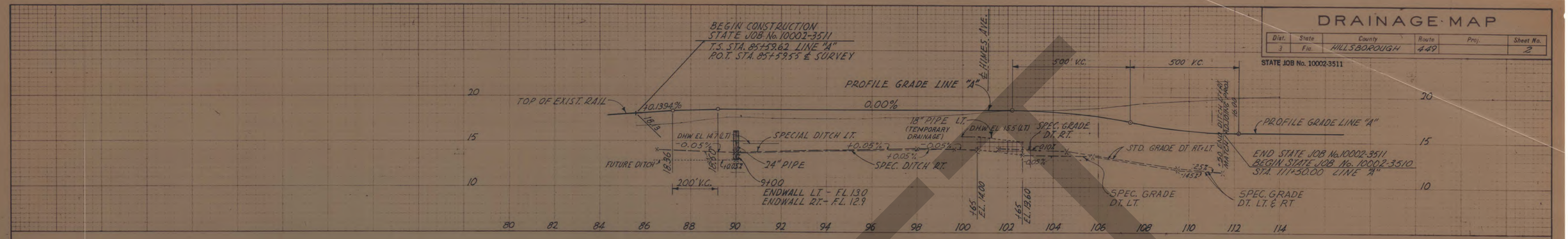
64/1

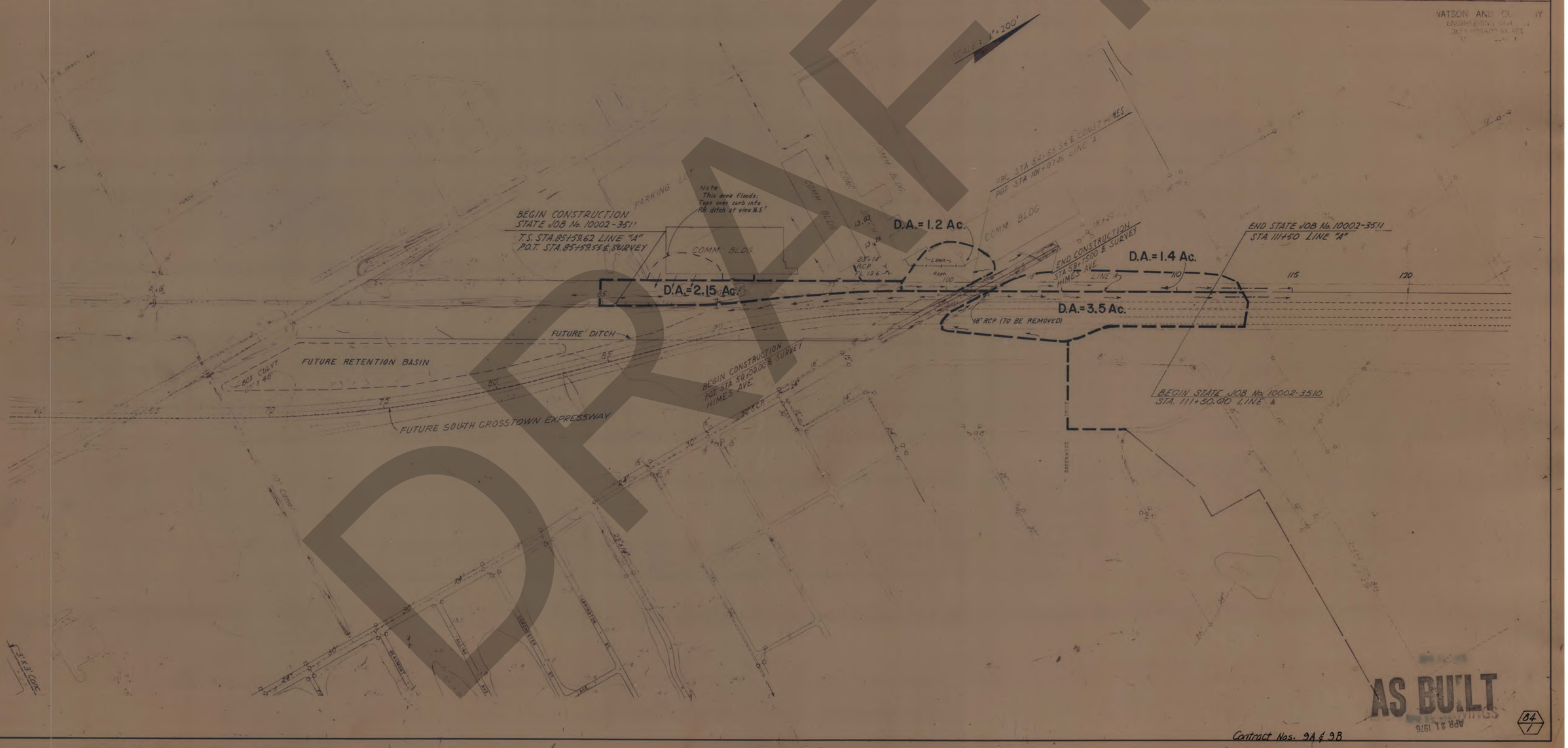
DRAFT

DRAINAGE MAP

Dist.	State	County	Route	Proj.	Sheet No.
3	Fla.	HILLSBOROUGH	449		2

STATE JOB No. 10002-3511





DRAFT

AS BUILT
APR 21 1976

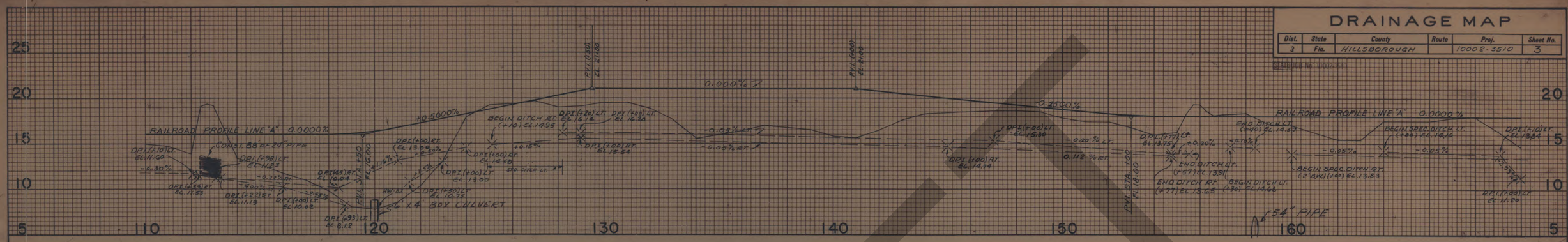
Contract Nos. 9A & 9B

64/1

DRAINAGE MAP

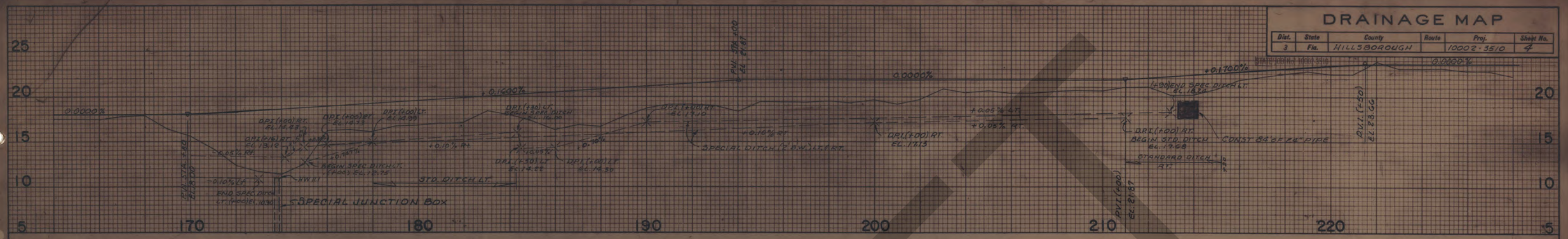
Dist.	State	County	Route	Proj.	Sheet No.
3	Fla.	HILLSBOROUGH		10002-3510	3

STATE PROJECT NO. 10002-3510


RAILROAD PROFILE LINE "A" 0.0000%
+0.5000%
0.000% R
-0.25000%
-0.05% ET
-0.05% ET
0.20 % LT
0.112 % ET
-0.30%
-0.05%
-0.05%
-0.05%
PVI (1000) EL. 21.00
PVI (1000) EL. 21.00
PVI STA. 1+50 EL. 16.00
PVI STA. 1+00 EL. 16.00
BEGIN DITCH RT. (-10) EL. 19.95
BEGIN SPEC. DITCH RT. (2.8%) (+00) EL. 13.83
BEGIN SPEC. DITCH LT. (+00) EL. 12.50
BEGIN DITCH LT. (+30) EL. 14.68
END DITCH LT. (+00) EL. 12.50
END DITCH LT. (+57) EL. 13.91
END DITCH RT. (+77) EL. 13.65
6'X4' BOX CULVERT
54" PIPE
DPI (1+10) LT. EL. 19.90
DPI (1+98) LT. EL. 14.23
DPI (1+43) LT. EL. 11.53
DPI (2+22) RT. EL. 11.19
DPI (1+48) RT. EL. 10.04
DPI (2+00) LT. EL. 10.02
DPI (1+93) LT. EL. 8.12
DPI (1+50) LT. EL. 13.00
DPI (1+00) LT. EL. 13.00
DPI (1+50) RT. EL. 10.72
DPI (1+00) RT. EL. 14.74
DPI (1+66) LT. EL. 15.30
DPI (1+77) LT. EL. 13.75
DPI (2+00) LT. EL. 11.20
DPI (3+00) LT. EL. 13.84
DPI (3+00) RT. EL. 16.20
DPI (3+00) LT. EL. 16.12
DPI (1+00) RT. EL. 15.54
DPI (1+00) LT. EL. 13.50
DPI (1+00) RT. EL. 14.50
STA. DITCH LT. 1+00
+0.15%
+0.20%
-0.20%
-0.05%
-0.05%
-0.05

DRAINAGE MAP

Dist.	State	County	Route	Proj.	Sheet No.
3	Fla.	HILLSBOROUGH		10002-3510	4



WATSON AND COMPANY
ENGINEERING DIV.
3013 HORATIO STREET
TAMPA FLORIDA

Scale 1"=200'



DRAFT

AS BUILT DRAWINGS
APR 21 1978

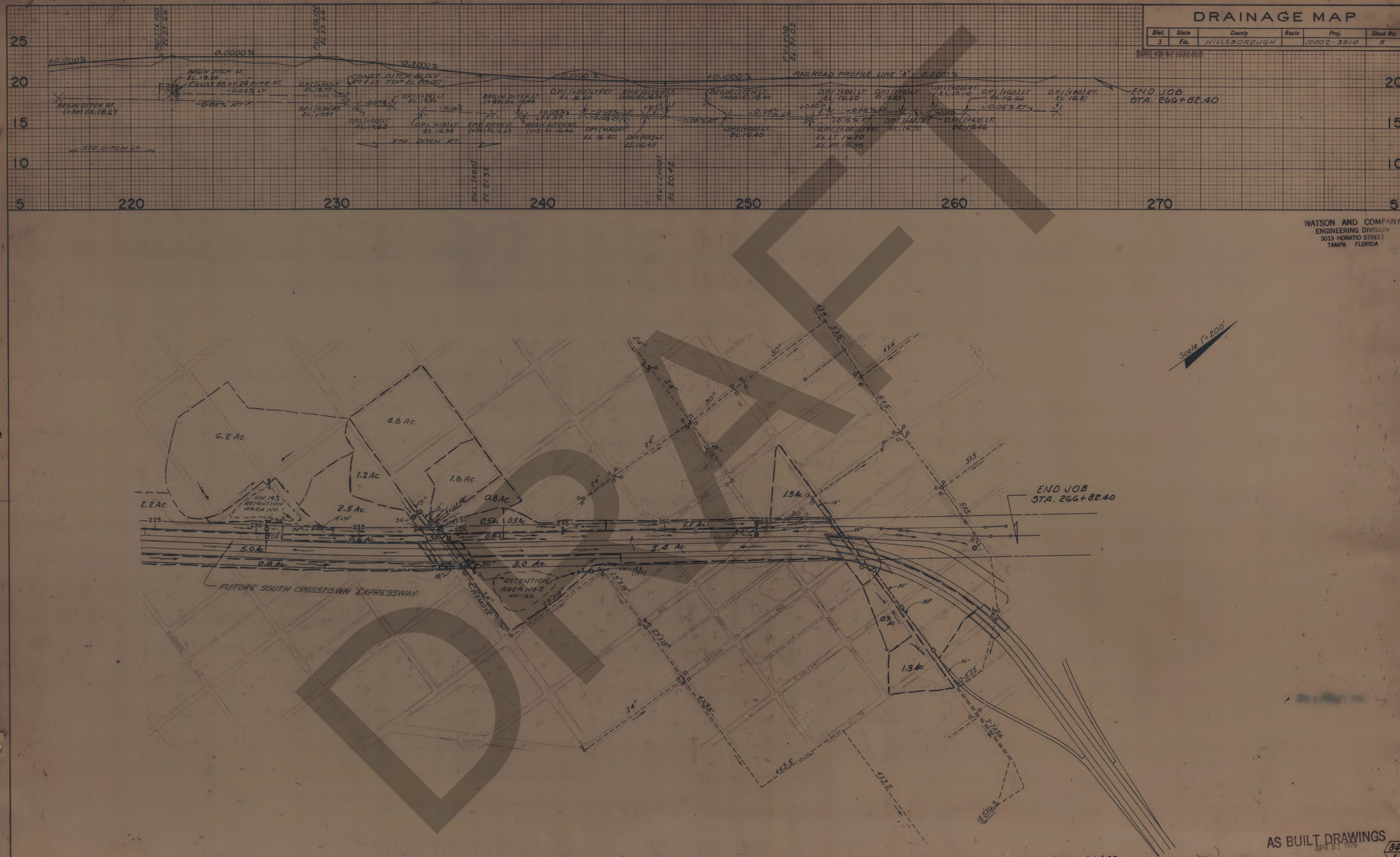
Contract Nos: 9A & 9B

B4
1

DRAINAGE MAP

Dist.	State	County	Route	Proj.	Sheet No.
3	Fla.	HILLSBOROUGH		10002-3510	5

STATE JOB No. 10002-3510



WATSON AND COMPANY
ENGINEERING DIVISION
3013 HORATIO STREET
TAMPA FLORIDA

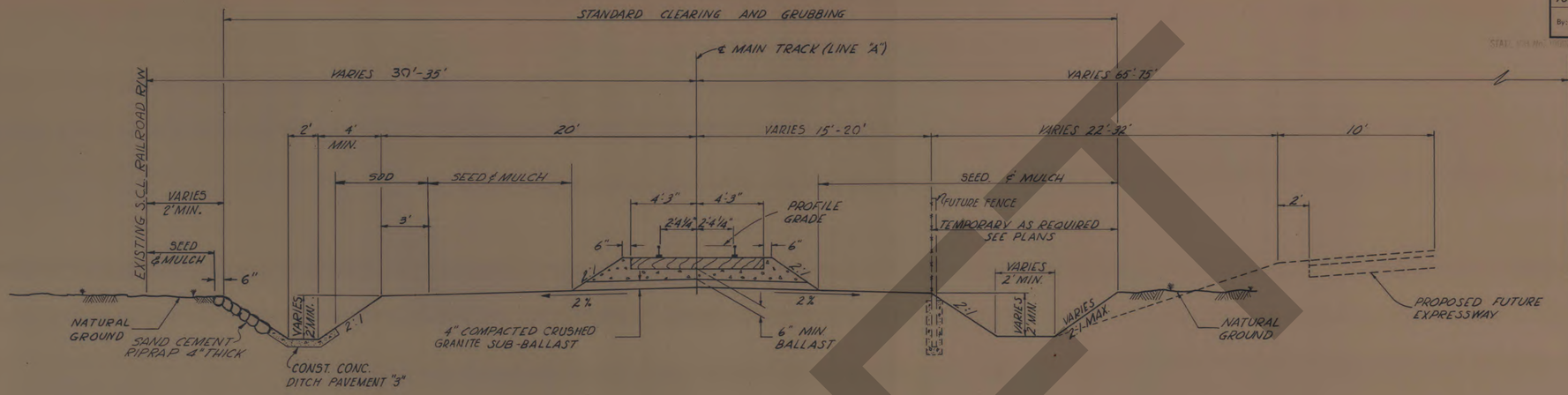
Contract Nos. 9A & 9B

AS BUILT DRAWINGS
APR 21 1976

84
1

DRAFT

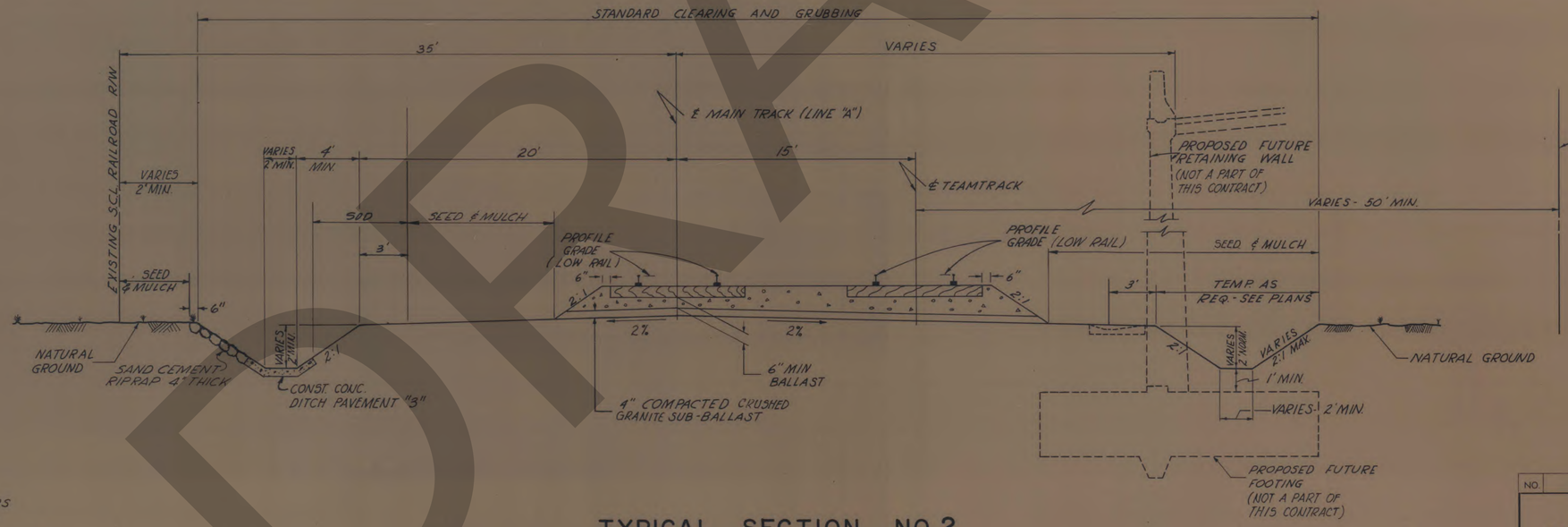
SECTION	CONTRACT	SOUTH CROSSTOWN EXPRESSWAY	SHEET NO.
10002	3510		7
By: WACO	TAMPA-HILLSBOROUGH COUNTY EXPRESSWAY AUTHORITY		Date: 2-73



WATSON AND COMPANY
ENGINEERING DIVISION
3013 HORATIO STREET
TAMPA FLORIDA

TYPICAL SECTION NO.1

DESIGN SPEED, 30 M.P.H.



TYPICAL SECTION NO.2

MAINLINE TRACK AND TEAMTRACK
MAINLINE DESIGN SPEED, 30 M.P.H.

NOTE:
1. PROFILE GRADE REFERS TO TOP OF LOW RAIL.
2. RAIL TO BE 100#
3. CONTINUOUS SERVICE MUST BE MAINTAINED ON ADJACENT EXISTING SCL RR TRACKS
4. FOR DETAILS OF ROADBED SEE TYPICAL SECTION No.3
5. ROADBED SHALL BE WIDENED 3' AT SWITCH STAND, ON THE SWITCH SIDE ONLY.

Contract Nos. 9A & 9B

APR 21 1976

NO.	REVISION	BY	DATE

TAMPA-HILLSBOROUGH COUNTY EXPRESSWAY AUTHORITY

SOUTH CROSSTOWN EXPRESSWAY

TYPICAL SECTIONS

J. E. GREINER COMPANY — WATSON & COMPANY
CONSULTING ENGINEERS TAMPA, FLORIDA

MADE D.MARCH DATE 10-72 | TRACED C.B. DATE 11-2-72
CHECKED D.M. DATE 2-9-73 | SCALE NOT TO SCALE

AS BUILT DRAWINGS

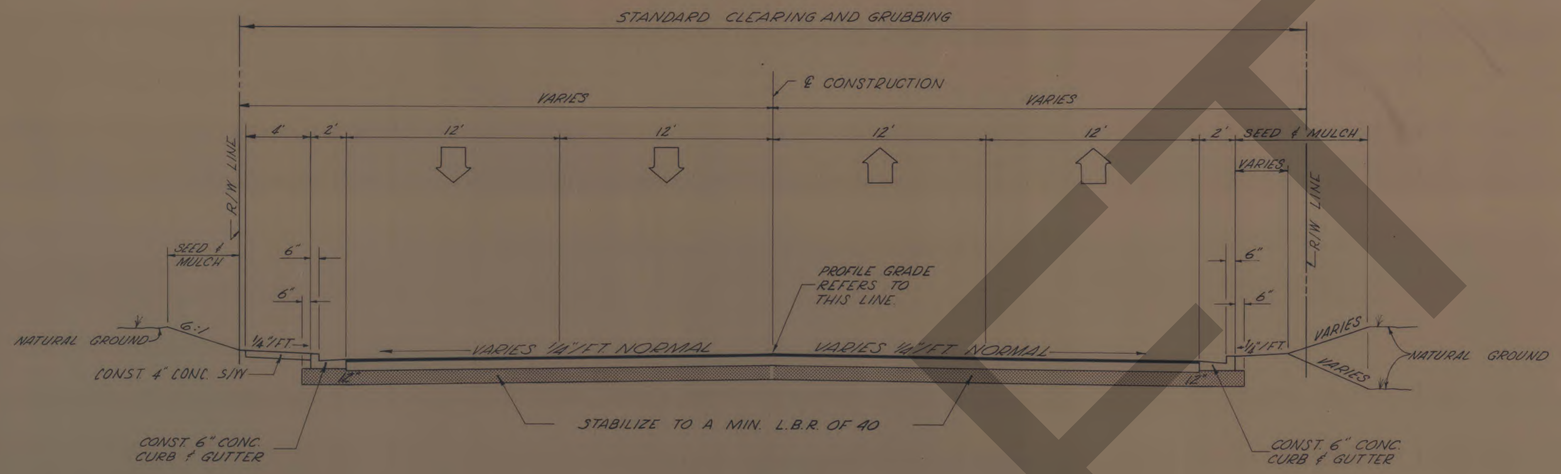
84/1

DRAFT

J. E. GREINER COMPANY, INC.
CONSULTING ENGINEERS TAMPA, FLORIDA

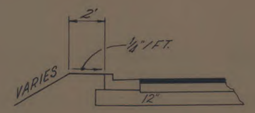
SECTION	CONTRACT	SOUTH CROSSTOWN EXPRESSWAY	SHEET NO.
10007	3511		8
By: J.E.G.	TAMPA-HILLSBOROUGH COUNTY EXPRESSWAY AUTHORITY		Date: 1-73

STATE JOB No. 10002-3511

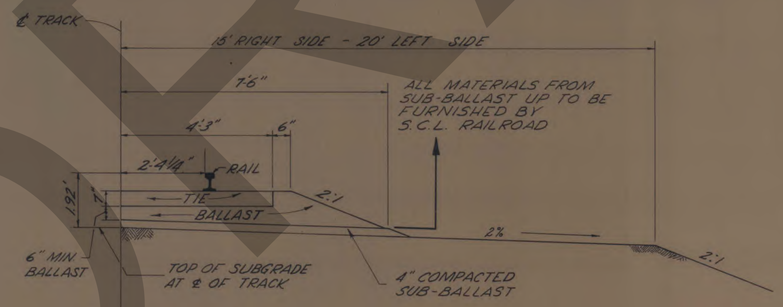


TYPICAL SECTION HIMES AVE.

LIMEROCK BASE (9" THICK, DOUBLE COURSE) PRIMED WITH TYPE S-1 ASPHALTIC CONCRETE (3" THICK, DOUBLE COURSE)



PART SECTION



TYPICAL NO. 3

DETAILS OF ROADBED

DRAFT

Contract Nos. 9A & 9B.

APR 21 1976

NO.	REVISION	BY	DATE

TAMPA - HILLSBOROUGH COUNTY EXPRESSWAY AUTHORITY

SOUTH CROSSTOWN EXPRESSWAY

TYPICAL SECTIONS

J. E. GREINER COMPANY — WATSON & COMPANY
CONSULTING ENGINEERS TAMPA, FLORIDA

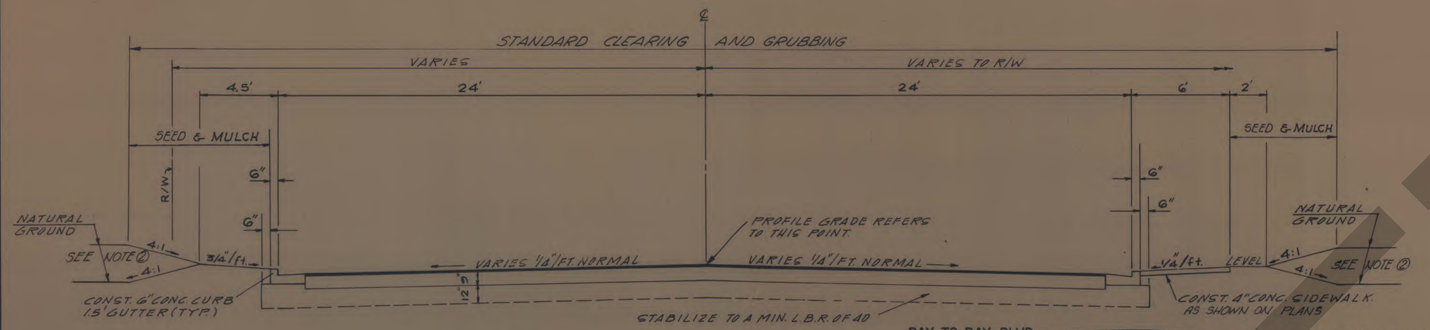
MADE J.K.P. DATE 1-12-73 | TRACED ____ DATE ____
CHECKED M.J.B. DATE 1-15-73 | SCALE N.T.S.

AS BUILT DRAWINGS

84
1

WATSON AND COMPANY
ENGINEERING DIVISION
3013 HORATIO STREET
TAMPA FLORIDA

SECTION	CONTRACT	SOUTH CROSSTOWN EXPRESSWAY	SHEET NO.
10002	3510		9
By: WACO		TAMPA-HILLSBOROUGH COUNTY EXPRESSWAY AUTHORITY	Date: 2-73



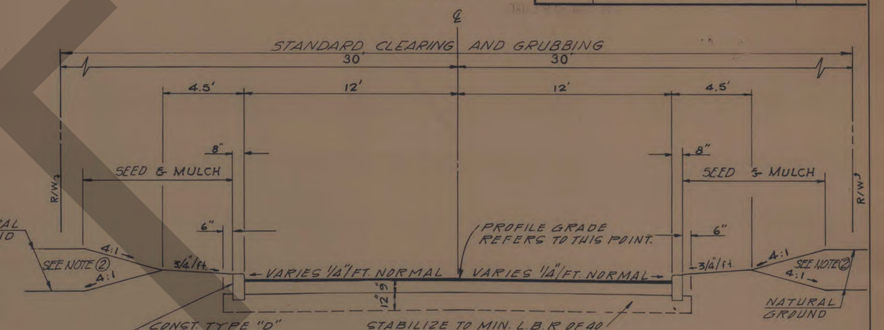
EUCLID AVENUE

BAY TO BAY BLVD.
PLATT ST.
(TYP. EXCEPT SIDEWALKS TO BE CONSTRUCTED ON BOTH SIDES)

3" SURFACE FROM STA. 114+45.79 TO R.R. CROSSING AND FROM STA. 120+21.79 TO STA. 122+53.56. 2" SURFACE FROM R.R. CROSSING TO STA. 120+21.79. ADDITIONAL 1" SURFACE WAS DONE IN ANOTHER CONTRACT.

3" SURFACE FROM 7+40 TO R.R. CROSSING
2" SURFACE FROM R.R. CROSSING TO STA. 10+60
1" SURFACE WAS DONE IN ANOTHER CONTRACT.

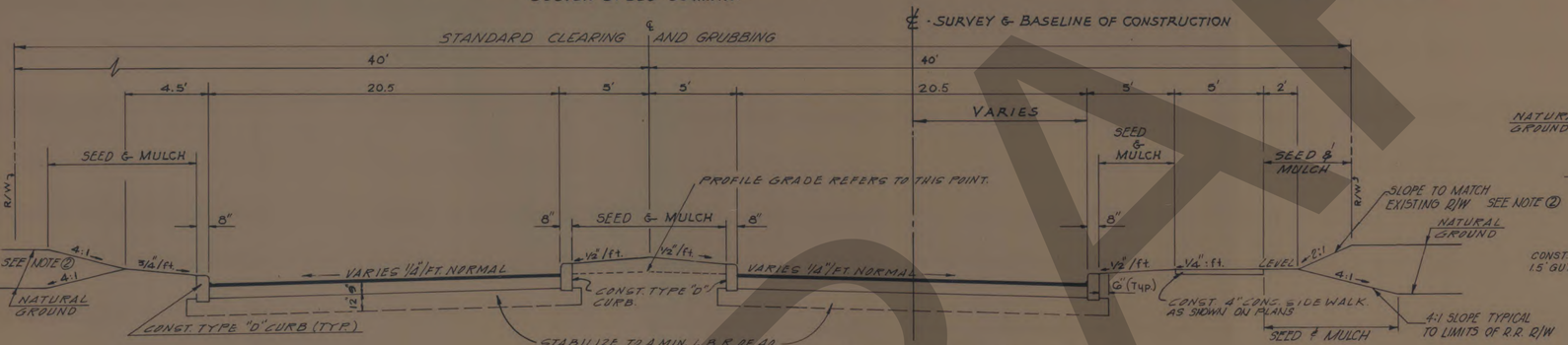
LIMEROCK BASE (9" THICK, DOUBLE COURSE) PRIMED
WITH TYPE S-I ASPHALTIC CONCRETE (3" THICK, DOUBLE COURSE)
BOTTOM LAYER (1 1/2" THICK) TOP LAYER (1 1/2" THICK)
DESIGN SPEED 30 M.P.H.



MORRISON AVENUE

3" SURFACE FROM STA. 8+30 TO R.R. CROSSING
2" SURFACE FROM R.R. CROSSING TO STA. 11+50
1" SURFACE WAS DONE IN ANOTHER CONTRACT.

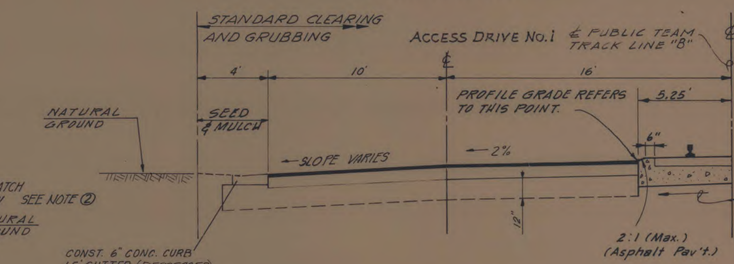
LIMEROCK BASE (9" THICK. DOUBLE COURSE) PRIMED
WITH TYPE S-I ASPHALTIC CONCRETE (3" THICK, DOUBLE COURSE)
BOTTOM LAYER (1 1/2" THICK) TOP LAYER (1 1/2" THICK)
DESIGN SPEED 30 M.P.H.



EL PRADO BLVD.

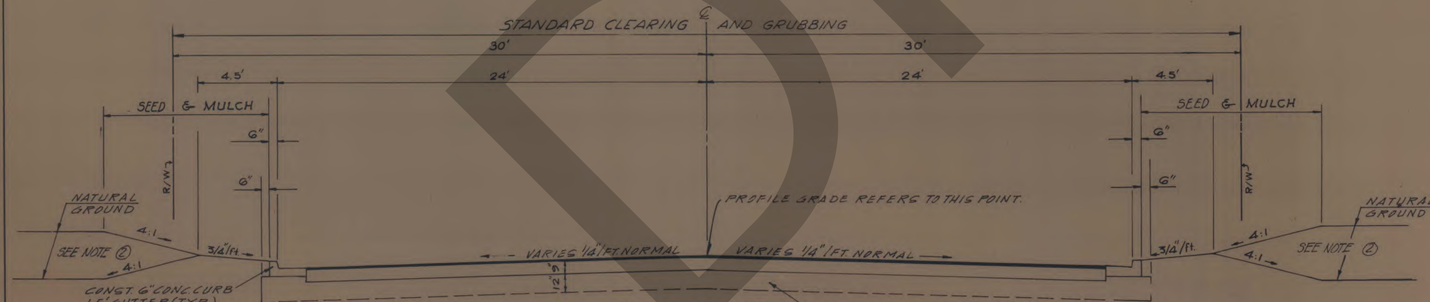
3" SURFACE FROM STA. 7+40 TO R.R. TRACK
2" SURFACE FROM R.R. CROSSING TO STA. 11+60
ADDITIONAL 1" SURFACE WAS DONE IN ANOTHER CONTRACT.

LIMEROCK BASE (9" THICK, DOUBLE COURSE) PRIMED
WITH TYPE S-I ASPHALTIC CONCRETE (3" THICK, DOUBLE COURSE)
BOTTOM LAYER (1 1/2" THICK) TOP LAYER (1 1/2" THICK)
DESIGN SPEED 30 M.P.H.



ACCESS DRIVE NO. 1 ⚠

LIMEROCK BASE (9" THICK, DOUBLE COURSE) PRIMED
WITH TYPE S-I ASPHALTIC CONCRETE (3" THICK, DOUBLE COURSE)
BOTTOM LAYER (1 1/2" THICK) TOP LAYER (1 1/2" THICK)



MAC DILL AVENUE

LIMEROCK BASE (9" THICK DOUBLE COURSE) PRIMED
WITH TYPE S-I ASPHALTIC CONCRETE (3" THICK, DOUBLE COURSE)
BOTTOM LAYER (1 1/2" THICK) TOP LAYER (1 1/2" THICK)
DESIGN SPEED 30 M.P.H.

3" SURFACE FROM STA. 16+78 TO FIRST R.R. CROSSING AND FROM SECOND R.R. CROSSING TO STA. 24+53.39. 2" SURFACE FROM FIRST R.R. CROSSING TO SECOND R.R. CROSSING. ADDITIONAL 1" SURFACE WAS DONE IN ANOTHER CONTRACT.

NOTE:

① USE TEMPORARY SEED & MULCH WITHIN THE LIMITS OF THE EXISTING S.C.L.R.R. RIGHT-OF-WAY OR AS DIRECTED BY THE ENGINEER.

② ON ALL STREETS OUTSIDE THE LIMITS OF THE RR RIGHT OF WAY SLOPE FROM THE SHOULDER BREAK POINT A MAX. OF 2:1 OR A MIN. OF 6:1 TO MATCH EXISTING GRADE.

Contract Nos. 3A & 3B.

APR 21 1976

NO.	REVISION	BY	DATE
⚠	Rev. Access Drive No. 1	JNC	1-21-75

TAMPA-HILLSBOROUGH COUNTY EXPRESSWAY AUTHORITY

SOUTH CROSSTOWN EXPRESSWAY

TYPICAL SECTIONS

J. E. GREINER COMPANY — WATSON & COMPANY
CONSULTING ENGINEERS TAMPA, FLORIDA

MADE D. MARCH DATE 10-72 TRACED C.B. DATE 11-2-72
CHECKED D.H. DATE 2-9-73 SCALE NOT TO SCALE

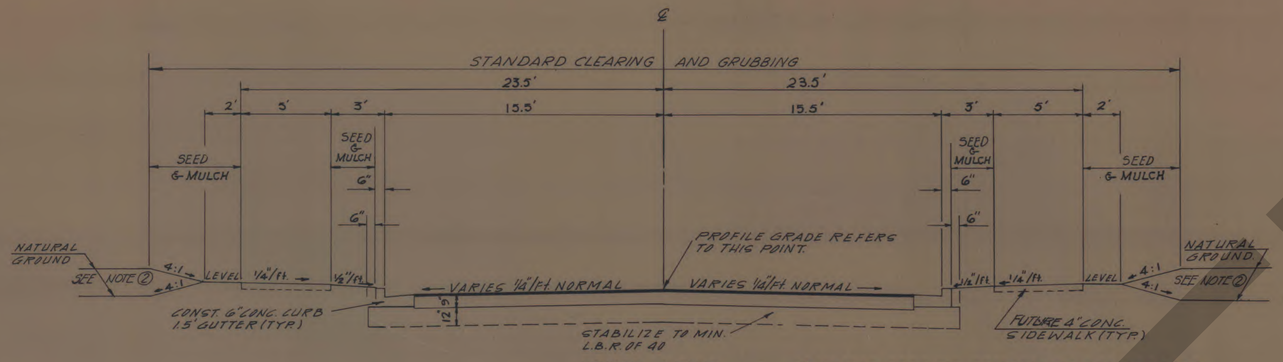
AS BUILT DRAWINGS

84
1

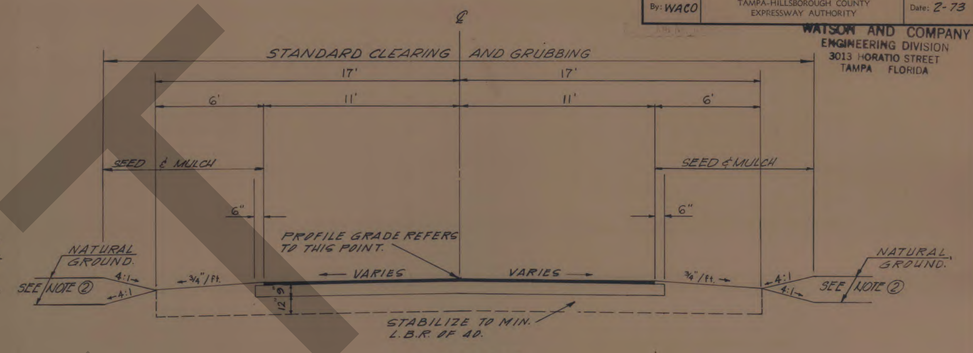
DRAFT

SECTION	CONTRACT	SOUTH CROSSTOWN EXPRESSWAY	SHEET NO.
10002	3510		10
By: WACO	TAMPA-HILLSBOROUGH COUNTY EXPRESSWAY AUTHORITY		Date: 2-73

WATSON AND COMPANY
ENGINEERING DIVISION
3013 HORATIO STREET
TAMPA FLORIDA

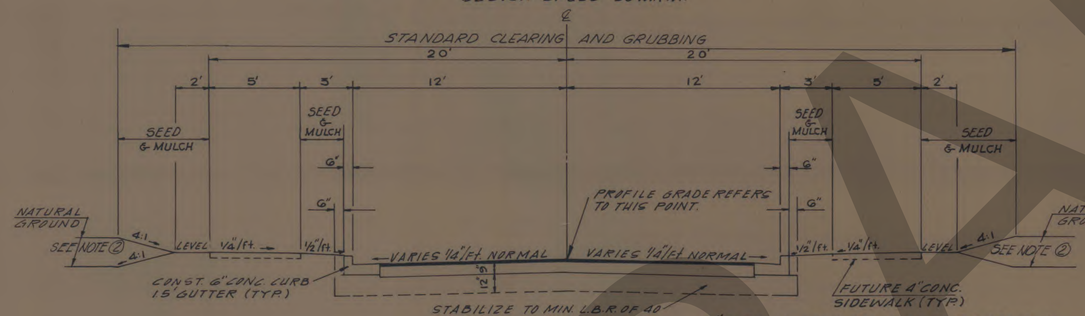


HOWARD AVENUE ——— 3" SURFACE FROM R.R. CROSSING TO STA. 25+77.34.
2" SURFACE FROM STA. 21+57 TO R.R. CROSSING.
ADDITIONAL 1" SURFACE DONE IN ANOTHER CONTRACT.



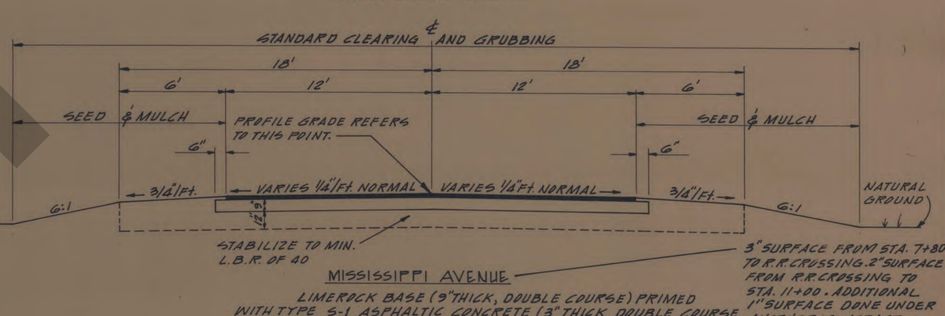
SANTIAGO AVENUE

LIMEROCK BASE (9" THICK, DOUBLE COURSE) PRIMED
WITH TYPE S-I ASPHALTIC CONCRETE (3" THICK, DOUBLE COURSE)
BOTTOM LAYER (1 1/2" THICK) TOP LAYER (1 1/2" THICK)
DESIGN SPEED 30 M.P.H.



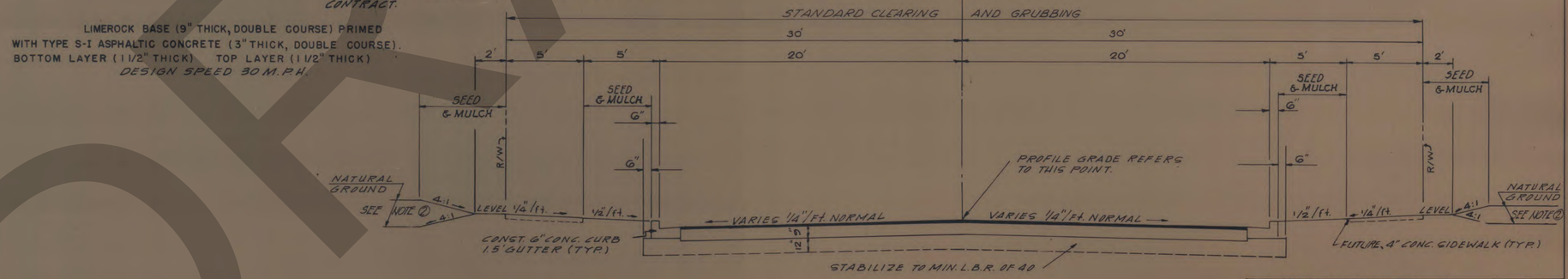
WATROUS AVENUE ——— 3" SURFACE FROM STA. 1+80 TO R.R. CROSSING
2" SURFACE FROM R.R. CROSSING TO STA. 5+50
ADDITIONAL 1" SURFACE DONE UNDER ANOTHER CONTRACT.

LIMEROCK BASE (9" THICK, DOUBLE COURSE) PRIMED
WITH TYPE S-I ASPHALTIC CONCRETE (3" THICK DOUBLE COURSE
BOTTOM LAYER (1 1/2" THICK) TOP LAYER (1 1/2" THICK)
DESIGN SPEED 30 M.P.H.



MISSISSIPPI AVENUE ——— 3" SURFACE FROM STA. 7+80 TO R.R. CROSSING. 2" SURFACE FROM R.R. CROSSING TO STA. 11+00. ADDITIONAL 1" SURFACE DONE UNDER ANOTHER CONTRACT.

LIMEROCK BASE (9" THICK, DOUBLE COURSE) PRIMED
WITH TYPE S-I ASPHALTIC CONCRETE (3" THICK, DOUBLE COURSE).
BOTTOM LAYER (1 1/2" THICK) TOP LAYER (1 1/2" THICK)
DESIGN SPEED 30 M.P.H.



SWANN AVENUE

LIMEROCK BASE (9" THICK, DOUBLE COURSE) PRIMED
WITH TYPE S-I ASPHALTIC CONCRETE (3" THICK DOUBLE COURSE)
BOTTOM LAYER (1 1/2" THICK) TOP LAYER (1 1/2" THICK)
DESIGN SPEED 30 M.P.H.

NOTE:

① USE TEMPORARY SEED & MULCH WITHIN THE LIMITS OF THE EXISTING S.C.L.R.R. RIGHT-OF-WAY OR AS DIRECTED BY THE ENGINEER.

② ON ALL STREETS OUTSIDE THE LIMITS OF THE R/R RIGHT OF WAY SLOPE FROM THE SHOULDER BREAK POINT A MAX. OF 2:1 OR A MIN. OF 6:1 TO MATCH EXISTING GRADE.

APR 21 1976
Contract Nos. 9A & 9B.

NO.	REVISION	BY	DATE
1	ADDED MISSISSIPPI AVE.	J.C.	3/13/73

TAMPA-HILLSBOROUGH COUNTY EXPRESSWAY AUTHORITY

SOUTH CROSSTOWN EXPRESSWAY

TYPICAL SECTIONS

J. E. GREINER COMPANY — WATSON & COMPANY
CONSULTING ENGINEERS TAMPA, FLORIDA

MADE D. MARCH DATE 10-72 | TRACED E. J. DATE 11-2-72
CHECKED D.M. DATE 2-9-73 | SCALE NOT TO SCALE

AS BUILT DRAWINGS

DRAFT

SUMMARY OF ROADWAY QUANTITIES

ITEM NO.	ITEM	FINAL AS-BUILTS 10002-3510	FINAL AS-BUILTS 10002-3511	FINAL AS-BUILTS TOTAL	UNIT	PROJECT NO. 10002-3510	PROJECT NO. 10002-3511	TOTAL
102-39	Commercial Material for Driveway Maintenance	133	32	165	Cubic Yard	25	25	50
104-32	Mulching (Temporary)	0	0	0	Square Yard	3327	678	4005
104-34	Sodding (Temporary)	0	0	0	Square Yard	1185	276	1461
104-37	Sandbagging	0	0	0	Cubic Yard	20	20	40
102-40	Calcium Chloride	0	0	0	Ton	11	3	14
110-1A	Clearing and Grubbing [Proj. No. 10002-3510]	1	—	1	Lump Sum	1		1
110-1B	Clearing and Grubbing [Proj. No. 10002-3511]	—	1	1	Lump Sum		1	1
130-1	Regular Excavation	66,601	10,506	77,107	Cubic Yard	60,532	8564	69,096
160-42	Type "B" Stabilization (L.B.R.)	22,506	5,131	27,635	Square Yard	21,969	5131	27,100
200-1-7	Limerock Base (9" Thick) [Double Course]	22,8330	4748.22	27,581.22	Square Yard	20,211	4645	24,856
300-1-1	Bituminous Material (Prime Coat)	2692	357	3249	Gallon	3032	697	3729
300-1-3	Bituminous Material (Tack Coat)	0	0	0	Gallon	808	186	994
300-1-13	Bituminous Material (Plant Mix) (AC 20)	46795	10,656	57,451	Gallon	46,366	10,656	57,022
331-32-9	Type S1 Asphaltic Concrete (3" Thick) [Double Course]	19,7614	5063.05	24,764.79	Square Yard	20,211	4645	24,856
102-37A	Maintenance of Traffic [Proj. No. 10002-3510]	1		1	Lump Sum	1		1
102-37B	Maintenance of Traffic [Proj. No. 10002-3511]		1	1	Lump Sum		1	1
400-1-1	Class A Concrete (Culverts)	28974	0	28974	Cubic Yard	286	—	286
405-1	Class NS Concrete [Endwalls and Miscellaneous]	22	5	27	Cubic Yard	22	5	27
415-1-1	Reinforcing Steel (Roadway)	47,298	0	47298	Pound	46,115	—	46,115
400-1-1A	Class A Concrete (Culverts)	232.3	0	232.3	Cubic Yard			
415-1-1A	Reinforcing Steel (Roadway)	28,992	0	28,992	Pound			
425-1-1	Inlets (Curb)	29	0	29	Each	29	—	29
425-1-2	Inlets (Ditch Bottom)	30	0	30	Each	34	—	34
425-1-3	Inlets (Special)	2	0	2	Each	2	—	2
425-2A	Manholes	7	0	7	Each	7	—	7
425-2B	Manholes [Special]	1	0	1	Each	1	—	1
425-2-9	Manholes (Partial)				Each	2	—	2
425-4	Adjusting Manholes	8	2	10	Each	2		2
					Each			
430-1-22	Concrete Pipe Culvert (15") [SS & CD]	921	0	921	Lin. Feet	1014	—	1014
430-1-23	Concrete Pipe Culvert (18") [SS & CD]	1537	200	1737	Lin. Feet	1551	200	1751
430-1-24	Concrete Pipe Culvert (24") [SS & CD]	766	0	766	Lin. Feet	2280	—	2280
430-1-25	Concrete Pipe Culvert (30") [SS & CD]	1423	0	1423	Lin. Feet	1482	—	1482
430-1-26	Concrete Pipe Culvert (36") [SS & CD]	264	0	264	Lin. Feet	268	—	268
430-1-29	Concrete Pipe Culvert (54") [SS & CD]	1498	0	1498	Lin. Feet	1446	—	1446
430-1-52	Concrete Pipe Culvert (15") (Special)	142	0	142	Lin. Feet	137	—	137
430-1-53	Concrete Pipe Culvert (18") (Special)	194	0	194	Lin. Feet	180	—	180
430-1-54	Concrete Pipe Culvert (24") (Special)	240	40	280	Lin. Feet	311	40	351
430-1-55	Concrete Pipe Culvert (30") (Special)	115	0	115	Lin. Feet	112	—	112
430-1-59	Concrete Pipe Culvert (54") (Special)	192	0	192	Lin. Feet	216	—	216
430-1-61	Concrete Pipe Culvert (60") (Special)	24	0	24	Lin. Feet	24	—	24
430-14-32	Elliptical Concrete Pipe Culvert (19"x30") [SS & CD]	156	0	156	Lin. Feet	156	—	156
440-1-2	Underdrains (6")	768	0	768	Lin. Feet	1018	800	1818
478-30	Pump and Pumping Equipment	1	0	1	Lump Sum	1		1
520-1-1	Concrete Curb & Gutter (6" Curb, 1.5' Gutter)	6721.6	1664	7883.6	Lin. Feet	6861	1664	8525
520-2-4	Concrete Curb (Type "D")	2194.7	0	2194.7	Lin. Feet	1687		1687
522-1	Concrete Sidewalk, 4" Thick	483	0	483	Square Yard	1904	173	2077
522-2	Concrete Sidewalk, 6" Thick	172	0	172	Square Yard	20	24	44
524-1-1	Concrete Ditch Pavement (3" Thick)	5250	1,194	6444	Square Yard	5491	1037	6528
530-1	Riprap (Sand-Cement)	1389	195	1528	Cubic Yard	833	150	983
536-1-1	Guardrail (Roadway)	731	25	756	Lin. Feet	613	—	613
550-40	Resetting Existing Fence	350	0	350	Lin. Feet	350	—	350
570-2	Seeding And Mulching	16,697	6845	23,522	Square Yard	72,135	14,290	86,425
570-3	Grass Seed (Permanent Type)	345	142	487	Pound	1491	296	1787
570-4	Mulch Material	1378	565	194	Ton	60	12	72
570-5	Fertilizer	264	0.81	25	Ton	8	2	10
570-9	Water For Grassing	17.7	6.1	238	M. Gallons	95	21	116
570-10	Grass Seed (Quick Growing Type)				Pound	308	58	366
575-1	Sodding	11,736	1853	13,589	Square Yard	10,220	2087	12,307
	RAILROAD ITEMS							
471-27.1	Trackwork	18878	2590	21,468	Lin. Foot	18,484	2590	21,074
471-27.2	Sub-ballast	30,925	4030	34,955	Sq. Yd.	30,570	4030	34,600
471-27.3	Turnouts (No 10)	9	0	9	Each	9	—	9
471-27.4	Railroad Crossings Type "L"	14	1	15	Each	13	1	14
	SIGNALIZATION ITEMS							
675-40-2	Concrete Strain Poles (Type V)	76	0	76	Lin Foot	76		76
675-55	Remove And Intall Existing Equipment	1	0	1	Lump Sum	1		1

SODDING SCHEDULE

LOCATION (Lt. Of ℄ Unless Otherwise Noted)	QUANTITY PROJECT NO. 10002-3510	QUANTITY PROJECT NO. 10002-3511
86+50 to 100+65		~~1066~~ 999
102+65 to 109+00		~~644~~ 448
109+00 to 111+50		~~128~~ 90
111+50 to 112+10	~~50~~ 47	
122+10 to 124+00	~~167~~ 35	
124+95 to 155+57	~~2552~~ 2548	
157+30 to 158+40	~~92~~ 60	
164+00 to 173+00	~~750~~ 499	
175+00 to 217+90	~~3558~~ 3895	
217+00 to 221+10	~~340~~ 498	
222+00 to 230+50	~~708~~ 464	
231+00 to 232+15	~~146~~ 189	
234+15 to 237+10	~~896~~ 377	
238+80 to 246+00	~~600~~ 599	
248+00 to 257+50	~~792~~ 506	
258+60 to 260+60	~~167~~ 127	
Various locations & Contingincies	~~490~~ 209	450
TOTAL	11,736 ~~10,220~~ S.Y.	2283 ~~2087~~ S.Y.

PAVED DITCH SCHEDULE

LOCATION (Lt. Of ℄ Unless Otherwise Noted)	QUANTITY PROJECT NO. 10002-3510	QUANTITY PROJECT NO. 10002-3511
86+50 to 94+00		~~338~~
100+65 90+00 to 100+65 (Rt.)		~~676~~ 12
100+65 94+00 to 100+65		~~518~~ ~~296~~
102+65 to 112+30	29 ~~38~~ 29	~~391~~
124+91.18 to 155+44	1451 ~~1448~~ 1451	
157+50 to 158+38	41 ~~43~~ 41	
163+67 to 166+34	137 ~~132~~ 137	
166+80 to 173+18	108 ~~306~~ 108	
175+02 to 212+80	6491 ~~794~~ 649	
212+05 to 221+08	191 ~~193~~ 191	
221+96 to 230+47	423 ~~400~~ 467	
231+00 to 231+20 (Rt.)	160 ~~9~~ 160	
234+15 to 237+70	315 ~~165~~ 315	
238+85 to 246+10	73 ~~341~~ 73	
248+10 to 257+50	246 ~~444~~ 246	
258+62 to 260+60	142 ~~96~~ 142	
Total	~~5250~~ 5491 S.Y.	~~1194~~ ~~1037~~ S.Y.

RIPRAP SCHEDULE

LOCATION (Lt. Of ℄ Unless Otherwise Noted)	QUANTITY PROJECT NO. 10002-3510	QUANTITY PROJECT NO. 10002-3511
86+50 to 94+00		~~444~~
94+00 to 100+65		1961 ~~424~~ ~~624~~
102+65 to 112+30	~~6.0~~	
118+78 to 122+00	~~79.8~~	
124+93 to 126+30	178.3 ~~54.8~~	
128+36 to 134+00	~~34.9~~	
135+50 to 139+50	~~10.8~~	
141+75 to 155+57	+102.7	
157+50 to 158+38	167.9 ~~8.3~~	
163+68 to 166+34	~~22.0~~	
166+80 to 173+18	~~17.6~~	
175+02 to 212+80	342.5 ~~+93.6~~	
217+05 to 221+08	~~34.5~~	
221+96 to 230+47	208.1 ~~54.3~~	
231+00 to 232+75	~~+4.9~~	
234+15 to 237+70	~~29.7~~	
238+83 to 246+00	314.7 ~~73.1~~	
248+00 to 257+50	~~76.3~~	
258+60 to 260+60	~~20.8~~	
TOTAL	833.2 C.Y. 1332.9	~~+495~~ C.Y. 195.1

GUARDRAIL SCHEDULE

LOCATION	QUANTITY PROJECT NO. 10002-3510	QUANTITY PROJECT NO. 10002-3511
128+25 to 128+50	25	100+65-100+65 25
131+50 to 131+75	25	
138+10 to 138+35	25	
141+50 to 141+75	25	
144+40 to 144+65	25	
147+10 to 147+35	25	
150+00 to 150+25	25	
152+95 to 153+20	25	
166+20 to 166+45	25	
168+95 to 169+20	25	
173+15 to 173+40	25	
181+75 to 182+00	25	
192+40 to 192+65	25	
198+90 to 200+18	0 ~~62.5~~	
213+60 to 215+00	162.5 +50	
234+10 to 254+35	~~149.5~~ ~~25~~	
255+90 to 255+65	25	
260+75 to 261+00	25	
TOTAL	675 ~~612.5~~ Lin. Ft.	

163+00 To 163+25 25 Lin. Ft.
247+00 to 247+25 25 Lin. Ft.

Contract Nos. 9A & 9B.

SECTION	CONTRACT	SOUTH CROSSTOWN EXPRESSWAY	SHEET NO.
10002	3510		11
By: WACO	TAMPA-HILLSBOROUGH COUNTY EXPRESSWAY AUTHORITY		Date: 1972

WATSON AND COMPANY
ENGINEERING DIVISION
3013 HORATIO STREET
TAMPA, FLORIDA

NOTE; FOR QUANTITIES OF SANITARY SEWER RELOCATION AND WATER DISTRIBUTION RELOCATION SEE APPROPRIATE PLANS.

ITEM NO. 102-37 IS TO BE ACCOMPLISHED IN ACCORDANCE WITH THE STATE OF FLORIDA MANUAL ON TRAFFIC CONTROL AND SAFE PRACTICES FOR STREET AND HIGHWAY CONSTRUCTION, MAINTENANCE AND UTILITY OPERATIONS.
ITEM NO. 102-39 IS A CONTINGENCY ITEM TO BE USED IF NECESSARY AS DIRECTED BY THE ENGINEER.
ITEM NO'S. 104-32, 104-34, & 104-37 ARE ESTIMATED QUANTITIES FOR PREVENTION, CONTROL, AND ABATEMENT OF EROSION & WATER POLLUTION AND ARE TO BE USED AT LOCATIONS AS DESIGNATED BY THE PLANS OR AS DIRECTED BY THE ENGINEER.
ITEM NO. 102-40 IS A CONTINGENCY ITEM TO BE USED IF NECESSARY AS DIRECTED BY THE ENGINEER.
ITEM NO. 110-1- SOME AREAS, INCLUDING BUILDINGS, MAY REQUIRE SELECTIVE CLEARING AS DIRECTED BY THE ENGINEER.
ITEM NO. 440-1-2 INCLUDES 1200 LIN. FT. FOR CONTINGENCY TO BE USED IF NECESSARY AS DIRECTED BY THE ENGINEER.
ITEM NO. 522-1 INCLUDES 50 SQ. YDS. FOR CONTINGENCY.
ITEM NO. 522-2 " 20 " " " "
ITEM NO. 570-2 " 17,278 SQ. YDS. FOR TEMPORARY GRASSING.
ITEM NO. 570-3 " 358 LBS. " " "
ITEM NO. 570-4 " 14.28 TONS " " "
ITEM NO. 570-5 " 11.63 " " " "
ITEM NO. 570-9 " 27.4 M. GALS. " " "
ITEM NO. 570-10 " 101.0 LBS. " " "
ITEM NO. 536-1-1 NO END ANCHORAGES REQUIRED.

THE CONTRACTOR, AFTER COMPLETING CONSTRUCTION OF NEW PAVEMENT WILL REPLACE ALL OLD TRAFFIC MARKINGS WITH NEW TRAFFIC MARKINGS. THIS WORK WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE PAID FOR INCIDENTAL TO PAVING.

ALL UTILITIES SHOWN ON THE PLANS ARE TAKEN FROM INFORMATION SUPPLIED BY THE UTILITY OWNERS. THESE ARE SHOWN FOR INFORMATION PURPOSES ONLY AND THE CONTRACTOR WILL BE RESPONSIBLE FOR VERIFICATION OF THE EXACT LOCATION OF ALL UTILITIES.

(a) GUARDRAIL STATIONS ARE APPROXIMATE. EXACT LOCATIONS TO BE DETERMINED BY THE ENGINEER.

Revised 5-17-73
APR 21 1978

NO.	REVISION	BY	DATE

TAMPA-HILLSBOROUGH COUNTY EXPRESSWAY AUTHORITY
SOUTH CROSSTOWN EXPRESSWAY
SUMMARY OF QUANTITIES
J. E. GREINER COMPANY — WATSON & COMPANY CONSULTING ENGINEERS TAMPA, FLORIDA
MADE J.H. DATE 1972 TRACED H.L. DATE 1972
CHECKED J.H. DATE 1972 SCALE
AS BUILT DRAWINGS

84/1

WATSON AND COMPANY
ENGINEERING DIVISION
3013 HORATIO STREET
TAMPA FLORIDA

SECTION	CONTRACT	SOUTH CROSSTOWN EXPRESSWAY	SHEET NO.
10002	3511 3510		12
By WACO	TAMPA-HILLSBOROUGH COUNTY EXPRESSWAY AUTHORITY		Date 2-73

SUMMARY OF DRAINAGE STRUCTURES

STRUCT. NO.	INDEX NO.	① LOCATION		TYPE	SIZE	LENGTH	CONCRETE PIPE CULVERT (SS & CD) 15"	18"	24"	30"	36"	54"	CONCRETE PIPE CULVERT CLASS IV 15"	18"	24"	30"	54"	60"	ELLIPTICAL CONC. PIPE CULVERT 19"X30"	UNDERDRAIN 6"	J-5	INLETS P-5	P-6	T-S	C	E	H	VA	MANHOLES P	J	J PART'L	REMARKS	CONC. CU.YDS.	REINF. POUNDS
PROJECT NO. 10002-3511				Cross Drain with Endwalls																														
S-9	5046	90+00			24"	40'									40'																	Endwalls	5.30	
	Z00	100+65 TO 102+65	Lt.	Side Drain	~~24"~~ 18"	200'		200'	~~200'~~ 0																									
PROJECT NO. 10002-3510																																		
	Z00	112+10 TO 112+98	Lt.	Side Drain with Endwalls	24"	88'			88'																									
	Z00	112+34 TO 113+22	Rt.	Side Drain with Endwalls	24"	88'			88'																								Endwalls	2.16	6
S-10	5047	7+63 - Euclid Ave.	24' Rt.	Storm Sewer & P-6 Inlet	15" & 18"	6'@49'	6'	~~49'~~ 56'														1										Endwalls	2.16	6
S-11	5047	12+28.2 - Euclid Ave.	24' Rt.	Storm Sewer & P-5 Inlet	15"	~~48'~~ 50'	40'															1												
S-11A	5047	12+27.5 - Euclid Ave.	24' Lt.	Storm Sewer & P-6 Inlet	15"	56'	56'																1											
S-12	5046	118+93	28' Lt.	Storm Sewer & "E" Inlet	~~30"~~ 24"	~~104'~~ 120'			120'	~~104'~~					0											1							
~~S-12-A~~	~~5046~~	~~118+45~~	~~24' Rt.~~	~~Storm Sewer & "E" Inlet~~	~~24"~~	~~68' 0~~									~~68'~~ 0											1							
S-13	SP. DETAIL	119+98.64		Replace 6'x4' Box		45'																											⑤ 32.64	4,819
S-14	5046	120+15	26' Lt.	Inlet Grate Only ("C")																						1								
		EL PRADO UNDER SIDEWALK																																
S-15	2892	10+40 - El Prado	10' Rt.	Storm Sewer & T-S Inlet	15"	~~28'~~ 27'	28'														8			1										
S-16	2892	10+40 - El Prado	20.5' Lt.	Storm Sewer & T-S Inlet	15"	~~72'~~ 74'	72'																	1										
S-17	5046	125+10	19.25 Rt.	Storm Sewer & "C" Inlet	18"	~~42'~~ 42'								~~42'~~ 42'											1									
~~S-17-A~~	5046	9+30 El. Prado	56.6 Lt.	Storm Sewer & "C" Inlet	18"	104'		104'																	1							② Conc. Collar		
S-18	5046	154+77	20' Rt.	Storm Sewer & "E" Inlet	24"	42'									42'											1							
S-19	5046	154+77	25' Lt.	Storm Sewer & "E" Inlet	24"	~~102'~~ 73'			~~102'~~ 73'																									
S-20	5047	21+60 - Mac Dill	32' Lt.	Storm Sewer & "J" Manhole	~~54"~~ 18"	~~276'~~ 208'		30'				~~68'~~ 16'					218'	192'												1		② 54" Plug		
S-21	5047	0+44.06 - Santiago	10' Lt.	Storm Sewer & P-6 Inlet	~~24"~~ 54"	~~72'~~ 0			~~72'~~ 0			104'											1										
S-22	5047	0+41.08 - Santiago	10' Rt.	Storm Sewer & P-6 Inlet	15"	~~72'~~ 19'	12'						~~76'~~										1										
S-23	5046	21+50 - Mac Dill	42' Rt.	Storm Sewer & "C" Inlet	15"	~~78'~~ 76'							70												1								
S-24	5047	19+56 - Mac Dill	24' Rt.	Storm Sewer & P-6 Inlet	15"	98'	98'																1										
S-24-A	5046	19+58 - Mac Dill	41' Rt.	Storm Sewer & "C" Inlet	15"	14'	14'																		1								
S-25	5047	18+90 - Mac Dill	24' Lt.	Storm Sewer & P-6 Inlet	15"	~~76'~~ 77'	~~76'~~ 77'																1										
S-26	5047	114+95.73 - Bay to Bay	34.25' Rt.	Storm Sewer & P-6 Inlet	15"	~~48'~~ 15'	~~48'~~ 15'																1										
S-27	5047	114+91.68 - Bay to Bay	25.27' Lt.	Storm Sewer & P-6 Inlet	15"	~~30'~~ 9'	~~30'~~ 9'																1										
S-28	5047	115+87.24 - Bay to Bay	24.09 Rt.	Storm Sewer & P-5 Inlet	15"	38'	38'															1											
S-29	5047	115+73.88 - Bay to Bay	24.13' Lt.	Storm Sewer & P-5 Inlet	15"	~~51'~~ 9'	~~51'~~ 9"															1											
S-30	5046	158+40	25' Lt.	Storm Sewer & "C" Inlet	15"	36'						44'5	36'												1								
S-31	5047	158+40	14' Rt.	Storm Sewer & "J" Manhole	54"	~~456'~~ 406'						~~456'~~ 406'																		1			
S-31-A	5046	158+27	20' Rt.	Storm Sewer & "C" Inlet	15"	12'	12'																		1								
S-32	5047	118+20 - Bay to Bay	55' Rt.	Storm Sewer & "P" Manhole	18"	142'		142																						1		② Concrete Collar		
		118+28 - Bay to Bay	20' Lt.	Storm Sewer	18"	104'		104'																								② 18" Plug		
S-33	5046 & 5047	163+05.4	21' Rt.	Storm Sewer & Special Inlet	54"	506'						506'														1					1	Bid as Special Inlet		
S-33-A	5086	14+66.55 - Granada	10' Lt.	Storm Sewer & Special Inlet	54"	~~356'~~ 352'						~~356'~~ 352'																+0		1	Bid as Special Inlet		
S-33-B	5047	122+41 - Bay to Bay	30' Lt.	Storm Sewer & P-6 Inlet	18"	~~314'~~ 293'		~~314'~~ 293'															1										
S-33-C	5047	122+14 - Bay to Bay	34' Rt.	Storm Sewer & P-6 Inlet	15"	68'	68'																1										
S-33-D	5047	18+29 - Granada	℄	Storm Sewer & Spec. Jct Box	54"	~~68'~~ 78'						~~68'~~ 24'																				④ Special Manhole		
S-34	5046	2+50 - Access Drive #1	11' Lt.	Storm Sewer & "VA" Inlet	18"	60'								60'																1		② Concrete Collar		
		0+68 To 3+22 Access Drive #1	7 Rt.	Underdrain	6"	368'														368														
~~S-35~~	~~5046~~	~~169+10~~	~~26' Lt.~~	~~Storm Sewer & "C" Inlet~~	15"	~~14'~~ 0 14'																						0+				② Concrete Collar		
S-36	SP. DETAIL	174+00 (Approx.)		Reconstruct Junction Box														24'														⑥ 143.91	23,634
S-37	5046	174+20	22' Rt.	"C" Inlet																						1								
S-38	5046	175+00	28' Lt.	Storm Sewer & "C" Inlet	15"	4'	4'																			1						② Conc. Collar		
S-39	5046	184+50	28.5' Lt.	Storm Sewer & "C" Inlet	24"	8'			8'																	1						② Conc. Collar		
S-40	5046	184+50	21' Rt.	Storm Sewer & "C" Inlet	18" & 24"	8' & ~~48'~~ 47'		8'							~~48'~~ 47'											1						② 18" Plug		
S-41	5046	199+05	25' Lt.	Storm Sewer & "E" Inlet	24"	~~46'~~ 47'			~~46'~~ 47'																		1							
S-42	5046	199+45	23' Rt.	Storm Sewer & "E" Inlet	24"	56'									56'												1							
~~S-41~~ & ~~S-42~~ Rev	5046	199+05 to 212+78	Lt.	Storm Sewer & "E" Inlets	~~18" & 24"~~	~~12'@135'~~			12'	12'	~~135'~~ 0																					② Conc. Collar		
S-43	5047	2+00 - Watrous	12' Lt.	Storm Sewer & P-6 Inlet	15"	~~20'~~ 21'		~~20'~~ 21'															1										
S-44	5047	2+00 - Watrous	12' Rt.	Storm Sewer & P-6 Inlet	15"	52'	52'																1										
S-45	5047	214+00	20' Lt.	Storm Sewer & "VA" Inlet	18"	~~118'~~ 125'		~~118'~~ 125'																				1						
S-46	5047	24+45 - Howard	20' Lt.	Storm Sewer & "P" Manhole	18"	~~204'~~ 209'		~~204'~~ 209'																						1				
S-47	5047	25+45 - Howard	15' Rt.	Storm Sewer & P-5 Inlet	15"	~~44'39~~ 40'39"																1												
S-48	5047	25+59.37 - Howard	21' Lt.	Storm Sewer & P-6 Inlet	15"	~~36'33~~ 36'33"																	1											
S-49	5047	25+22.58 - Howard	21' Lt.	Storm Sewer & P-6 Inlet	18"	~~72'~~ 75'			72'75'														1											
S-50	5047 & Z00	4+67.68 - Watrous	24' Lt.	P-6 Inlet & Pipe Outlet	15"	24'	24'																1									Endwall	0.69	
	Z00	213+27 to 214+11	20' Rt.	Side Drain with Endwalls	24"	84'			84'																								2.16	6
		216+03.60 Howard		10'x5' Box Culvert	10'X5'	~~75'~~																										345.49	⑤ ~~109.70~~	~~7614~~ 47,792
	Z00	217+00		Cross Drain with Endwalls	18"	~~38'~~ 54'								38'54'																			1.53	
	Z00	221+47 to 222+35	25' Rt.	Side Drain with Endwalls	24"	88'			88'																								2.16	6
		230+60		Pumping Station Inlet, End.	24"	24'			24'																							Endwall	0.57	
S-51	5046 & Z00	230+50	26' Lt.	"E" Inlet with Pipe Outlet	30"	33'			~~36'~~	33'																							1.46	3
S-52	5046	230+50	22' Rt.	Storm Sewer & "E" Inlet	18" & 24"	4'@75'46'		4'							~~75'~~ 46'																	② 18" Plug		
	Z00	231+72 (58' Lt.) to 231+97 (32' Lt.)		Pipe Culvert with Endwalls	24"	36'			36'																							Endwalls	2.16	6
	Z00	232+75 to 234+15	27' Lt.	Side Drain with Endwalls	19"X30"	~~140'~~ 138'												~~140'~~ 138'														Endwalls	2.16	6

SEE SHEET NO. 13 FOR SUMMARY

DRAFT

NO	REVISION	BY	DATE

TAMPA-HILLSBOROUGH COUNTY EXPRESSWAY AUTHORITY

SOUTH CROSSTOWN EXPRESSWAY

SUMMARY OF QUANTITIES

J. E. GREINER COMPANY — CONSULTING ENGINEERS
WATSON & COMPANY — TAMPA, FLORIDA

MADE H.L. DATE 12-13-72 | TRACED H.L. DATE 2-9-73
CHECKED D.D.M. DATE 2-2-73 | SCALE NOT TO SCALE

AS BUILT DRAWINGS

APR 21 1976

Contract Nos. 3A & 9B

WATSON AND COMPANY
ENGINEERING DIVISION
3013 HORATIO STREET
TAMPA FLORIDA

SECTION	CONTRACT	SOUTH CROSSTOWN EXPRESSWAY	SHEET NO
10002	3316		13
By WACO		TAMPA-HILLSBOROUGH COUNTY EXPRESSWAY AUTHORITY	Date 2-73

SUMMARY OF DRAINAGE STRUCTURES

STRUCT. NO.	INDEX NO.	① LOCATION		TYPE	SIZE	LENGTH	CONCRETE PIPE CULVERT (SS & CD) 15"	18"	24"	30"	36"	54"	CONCRETE PIPE CULVERT CLASS IV 15"	18"	24"	30	54"	60"	ELLIPTICAL CONC. PIPE CULVERT 19"X30"	UNDERDRAIN 6	J-5	INLETS P-5	P-6	T-S	C	E	H	VA	MANHOLES P	J	J PART L.	REMARKS	CONC. CU.YDS.	REINF. POUNDS
S-53	5047	17+98 - Swann	20'Rt.	Storm Sewer & P-6 Inlet	15"	37'	37'																1										
S-54	5047	17+98 - Swann	20'Rt.	Storm Sewer & P-6 Inlet	18"	~~76'~~ 75'		~~76'~~ 75'															1										
S-55	5047	18+75 - Swann	20'Lt.	Storm Sewer & "P" Manhole	18"	~~20'~~ 18'		~~20'~~ 18'																						1			
S-56	5046	238+83	26'Lt.	Storm Sewer & "H" Inlet	19"X30"	~~63~~ 63' ~~16'~~ ~~6~~ ~~52~~ 55'										~~52'~~ 55'			~~16'~~ 18'							1						
S-57	5046	239+15	21'Rt.	Storm Sewer & "H" Inlet	30"	~~168'~~ 197'				~~168'~~ 197'																	1					
	200	237+70 to 238+83	26'Lt.	Side Drain to Storm Sewer	24"	110'			110'																						Endwall	1.03	3
S-58	5047 & 200	21+51 - Swann	50'Lt.	"P" Manhole & S.S. Outlet	30"	28'				28'																			1			Endwall	1.46	3
S-58-A	5046	239+05	160'Rt.	Storm Sewer & "C" Inlet	18"	~~110'~~ 92'		~~110~~ 92'																	1								
	200	246+00	185'Rt.	Ditch Drain to S.S.	18"	52'		52																								Endwall	0.72	
S-59	5047	Rome Avenue		Storm Sewer & P-5 Inlet	18"			32														1												
	200	245+00		Cross Drain & Endwalls	18"	38'							38'																			Endwalls	1.53	
	5047	253+00	28'Rt.	Ditch Drain & Manholes	24"	~~51'~~ 49'			40					~~56'~~ 49'															+0					
S-60	5046	253+00	25'Lt.	Storm Sewer & "E" Inlet	30"	~~474'~~ 477'				~~474~~ 477'																	1						
S-61	5047	257+78.6	24'Lt.	Storm Sewer & P-5 Inlet	30"	~~224'~~ 164'				164						60'						1											
		7+40 - Platt	24'Rt.	Storm Sewer (Exist. M.H.)	18"	~~130'~~ 106'		130																								③ Conc. Slab	~~0.5~~ 0.3	
S-62	5047	11+00 - Platt	24'Rt.	Storm Sewer & "P5" Inlet	30"	64'				64'												1												
S-63	5046	258+60	24'Lt.	Storm Sewer & "C" Inlet	15"	~~78'~~ 81'	~~78'~~ 81'																				+0						
		61+78 to 64+28 - Line "J"	15'Lt.	Underdrain	6"	250'														250													
S-64	5043	64+28 - Line "J"	15'Lt.	Storm Sewer & "VA" Inlet	15"	~~31~~ 32'							~~31~~ 32'																1				
S-65	5046	264+28	20'Lt.	Storm Sewer & "C" Inlet	15"	~~60'~~ 31	~~60~~ 31'																				1						
S-66	5046	264+80	95'Rt.	Inlet - Type "C" - Existing S.S.	6"	142'														142'							1					② Conc. Collar		
S-67	5047	11+48 - Platt	24'Lt.	Storm Sewer & "P5" Inlet	30"	238'				238'												1											
S-68	5047	13+90 - Platt	24'Lt.	Storm Sewer & "P5" Inlet	30"	~~242'~~ 250'				~~242~~ 250'												1											
S-69	5047	16+35 - Platt	24'Lt.	Storm Sewer & "J-5" Inlet	36"	~~268'~~ 264'					~~268~~ 264'										1											② Conc. Collar		
		172+85 @ "A"																															
		256+00 Line "J"	20'Lt.		15"	27'	27'																										
TOTALS							~~101~~ 92	~~155~~ 173	~~228~~ 76	~~148~~ 142	~~26~~ 26	~~144~~ 149	~~13~~ 14	~~18~~ 19	~~35~~ 28	~~11~~ 11	~~21~~ 19	24	15	6	~~61~~ 76	1	9	17	2	~~17~~ 16	~~13~~ 9	2	~~4~~ 3	5	2	2		Class N3 Conc. 27.00	Class "A" Conc. ~~29.09~~ 32.02	Rein. Steel ~~45.42~~ 40,260

① STATION REFERS TO LINE "A" UNLESS OTHERWISE NOTED.

② FOR DETAILS SEE INDEX NO. 5061.

③ FILL EXISTING MANHOLE WITH SAND & CONCRETE AS SHOWN ON DETAIL.

④ THE SPECIAL STRUCTURE AT STA. 18+29 (GRANADA AVE.) WILL BE PAID FOR AS - MANHOLE [SPECIAL] AND SHALL INCLUDE ALL LABOR & MATERIALS TO CONSTRUCT THE STRUCTURE (AND CAST IRON PIPE) SHOWN ON SHEETS NO. 171 & 172.

⑤ CLASS "A" CONCRETE

APR 21 1976

Contract Nos. 9A & 9B.

NO.	REVISION	BY	DATE

TAMPA-HILLSBOROUGH COUNTY EXPRESSWAY AUTHORITY

SOUTH CROSSTOWN EXPRESSWAY

SUMMARY OF QUANTITIES

J. E. GREINER COMPANY — WATSON & COMPANY
CONSULTING ENGINEERS TAMPA, FLORIDA

MADE H.L. DATE 12-13-72 TRACED H.L. DATE 2-9-73
CHECKED D.D.M. DATE 2-3-73 SCALE NOT TO SCALE

AS BUILT DRAWINGS

84/1

WATSON AND COMPANY ENGINEERING DIVISION 3013 HORATIO STREET TAMPA FLORIDA	SECTION 10002	CONTRACT 3510 F 3511	SOUTH CROSSTOWN EXPRESSWAY	SHEET NO. 14
	BY WACO	TAMPA - HILLSBOROUGH COUNTY EXPRESSWAY AUTHORITY		DATE: 1-73

FINAL SURVEY	SURVEYED	BY	DATE
	PLOTTED	CAS	
NOTE BOOK	TEMPLATE		
NO.	AREAS	CAS	
	AREAS CHECKED		

ORIGINAL SURVEY	SURVEYED	BY	DATE
	PLOTTED	CAS	
NOTE BOOK	TEMPLATE		
NO.	AREAS	CAS	
	AREAS CHECKED		

NOTE:
EXCESS EXCAVATION MATERIALS SHALL BE PLACED AT A LOCATION DESIGNATED BY THE ENGINEER. THIS MATERIAL WILL BE USED IN THE EMBANKMENT OF THE EXPRESSWAY AND SHALL BE PLACED IN ACCORDANCE WITH THE SPECIFICATIONS FOR EMBANKMENT.

SUMMARY OF EARTHWORK

ROADWAY EXCAVATION	= 69096 CU YD
ROADWAY FILL +25%	= 27130 CU YD
EXCESS	= 41946 CU YD



NOTE: THIS DIAGRAM IS FOR THE CONTRACTORS INFORMATION ONLY

APR 21 1976

AS BUILT DRAWINGS

DRAFT

K&E PLATE 3. CROSS SECTION KEUFFEL & ESSER CO.

48 7072 MADE IN U.S.A.

Contract Nos. 9A & 9B

PREVIOUS IMAGE IS CROPPED ON ORIGINAL DOCUMENT

DRAFT

J. E. GREINER COMPANY, INC.
CONSULTING ENGINEERS TAMPA, FLORIDA

SECTION	CONTRACT	SOUTH CROSSTOWN EXPRESSWAY	SHEET NO.
10002	3511		15
By:		TAMPA-HILLSBOROUGH COUNTY EXPRESSWAY AUTHORITY	Date:

STATE JOB NO. 10002-3511

SCALE 1"=50'

M.P. #887

STA. 92+43.00
15.17

Conc. Ramp

MATCH LINE STA. 94+00.00 LINE "A"

1 Sty. C.B. Bldg. Shopping Center

Asph. Pav't

Exist. S.C.L. R/W

Conc. Curb & Gutter

90

PLACE 43.97 CY SAND CEMENT BAG RIP RAP

T.S. STA. 85+39.62

S.C. STA. 88+08.62

Sta 86+50 Begin Rip Rap & Ditch Pav't.

CONST. 337.55 S.Y. 3" CONC. DITCH PAV'T.

T.S. STA. 92+06.25

S.C. STA. 91+44.25

Tin Bldg.

Tin Shed

Dirt Road

2 Sty. Metal Bldg.

Conc. Slab

Conc. Slab

B.T. (2" (±) CABLE TOLL)

80

85

100'

65'

N29°39'55"E

LINE "A"

CURVE NO. 1

N 24°-31'-35" E

Tanker

Tank

Shed

CONST. 48-0"x2'-0" INLET SPECIAL

BEGIN SIDE TRACK REMOVAL STA 85+50.00 AND CONST. WHEEL STOPS AS DIRECTED BY ENGINEER

GRADE EXIST. DITCH SEE CROSS SECTIONS

FUTURE DITCH ALIGNMENT

EXISTING 100# RAILS TO BE REMOVED

CONST. 42" S.X. CONC. DITCH PAV'T. 3" THK. INDEX NO. 1101

℄ SURVEY

M.P. #887 (TO BE REMOVED)

C.S. STA. 92+09.25

B.T. (2" JUTE CABLE TOLL)

Shed

Fr. Bldg.

Dirt Road

EXIST. S.C.L. R/W

BEGIN CONSTRUCTION STATE JOB NO. 10002-3511 STA. 85+39.62 LINE "A" STA. 85+59.55 ℄ SURVEY

℄ PROPOSED PROJECT

E 336,600 N 1,287,750
E 336,750 N 1,287,500
E 336,900 N 1,287,250
E 337,000 N 1,287,000
E 337,200 N 1,286,750
E 337,300 N 1,286,500

CURVE No. 1
P.I. STA. 88+50.06
Δ = 5°-18'-18.4"
D_a = 1°-00'-00"
R = 5,729.65'
Lc = 480.52'
T_g = 290.45'
L_s = 50.00'
S.E. = 1/2"

GENERAL NOTES

1. B.M. DATUM USC & GS
2. EXCEPT FOR CITY OF TAMPA WATER & SEWER LINES, ALL UTILITIES ARE TO BE ADJUSTED BY OTHER AS DIRECTED BY THE ENGINEER.
3. CONTINUOUS SERVICE MUST BE MAINTAINED ON ADJACENT EXISTING S.C.L. R.R. TRACKS.
4. EIGHT (8) INFORMATION SIGNS 8' HIGH BY 8' LONG MOUNTED ON 4"x 6" POSTS SHALL BE FURNISHED BY THE CONTRACTOR. INFORMATION TO BE PROFESSIONALLY LETTERED ON THE SIGN AND THEIR LOCATIONS WILL BE AS DIRECTED BY THE ENGINEER. THE SIGNS WILL REMAIN IN PLACE AND BECOMES THE PROPERTY OF THE AUTHORITY.

UTILITY OWNERS

1. TAMPA ELECTRIC CO.
2. PEOPLES GAS CO.
3. GENERAL TELEPHONE CO.
4. CITY OF TAMPA WATER DEPT.
5. CITY OF TAMPA FIRE DEPT.
6. CITY OF TAMPA SANITARY SEWER DEPT.
7. WESTERN UNION

B.M. No. C-64
X-TIE AT ENTRANCE TO GULF COTTS GAS
EL. 17.998'

BEGIN CONSTRUCTION STATE JOB NO. 10002-3511 STA. 85+39.62 LINE "A" STA. 85+59.55 ℄ SURVEY

Top of Existing Rail EL. 8.18

+0.139 ℄

STA. 87+35.00 EL. 18.30

STA. 87+23.00 EL. 18.38'

STA. 87+35.00 EL. 18.30

STA. 91+00.00 EL. 18.30

PROFILE GRADE LINE "A"

Existing Ground

0.000 ℄

-0.05 ℄

+0.05 ℄

-0.05 ℄

+0.05 ℄

PVI

SPEC. GRADE DITCH LT.

SPEC. GRADE DITCH RT.

EL. 13.92 RT.

EL. 14.00 LT.

EL. 18.50'

CONST. 24" PIPE (SPECIAL) LT TO RT.

150' BEGIN DITCH LT EL. 13.98

180' BEGIN DITCH RT EL. 12.84

200' V.C.

SPEC. GRADE DI RT 5' BOT.

100' DRI LT AT EL. 13.80 LT EL. 12.90 RT

105' DRI RT AT EL. 13.72

50 40 30 20 10 0

80 85 90

APR 21 1978

AS BUILT DRAWINGS

FINAL SURVEY — SURVEYED / PLOTTED / NOTE BOOK / NO. / BY / DATE / TEMPLATE AREAS / AREAS CHECKED

ORIGINAL SURVEY — SURVEYED / PLOTTED / NOTE BOOK / NO. / BY / DATE / TEMPLATE AREAS / AREAS CHECKED

DRAFT

Contract Nos. 3A & 3B

PREVIOUS IMAGE IS CROPPED ON ORIGINAL DOCUMENT

DRAFT

SECTION	CONTRACT	SOUTH CROSSTOWN EXPRESSWAY	SHEET NO.
10002	3511		16
By:		TAMPA-HILLSBOROUGH COUNTY EXPRESSWAY AUTHORITY	Date:

STATE JOB No. 10002-3511 — J. E. GREINER COMPANY, INC. CONSULTING ENGINEERS TAMPA, FLORIDA

FINAL SURVEY — SURVEYED, PLOTTED, TEMPLATE, AREAS, AREAS CHECKED, NOTE BOOK, NO. — BY — DATE

ORIGINAL SURVEY — SURVEYED, PLOTTED, NOTE BOOK, NO. — BY — DATE

SCALE 1"=50'

MATCH LINE STA 94+00.00 LINE "A"

MATCH LINE STA 109+00.00 LINE "A"

1 Sty. C.B. Bldg. Shopping Center

Conc. Paved Ditch

23"x14" CP

8" SAN

2" Gas

8"WM

PULL BOX

STA. 54+34.13 ℄ HIMES SURVEY
STA. 100+83.36 LINE "A"

PLACE 41.99 C.Y. SAND CEMENT BAG RIP RAP
DITCH "A" TRANSITE

℄ CONSTRUCTION HIMES AVE.

N.03°-03'E.

FOR CONST. DETAILS ALONG HIMES AVE. SEE SHEET NOS. 28 & 29

CONST. 200' OF 18" PIPE (TEMPORARY)

CONST. 282.22 S.Y. 3" CONC. DITCH PAVT.

PLACE 43.55 C.Y. SAND CEMENT BAG RIP RAP

CONST. 295.60 S.Y. 3" CONC. DITCH PAVT.

Asph. Pav't.

Exist SCL R/W

Conc. Curb

95

100

105

CURVE NO. 2

C.S. STA 97+92.76

S.T. STA. 98+42.76

STA. 53+01.78 ℄ HIMES SURVEY
STA. 99+65.75 ℄ TRAVERSE

Exist. 18" RCP (TO BE REMOVED)

Exist. 6" Gas To Be Moved

LINE "A"
P.R.C. STA. 54+55.56 ℄ CONST.
P.O.T. STA. 101+07.46 LINE "A"

N.29°-59'-53"E.

EXISTING 100# RAILS TO BE REMOVED

℄ SURVEY
℄ PROPOSED PROJECT

STA. 53+03.78 ℄ HIMES CONSTRUCTION
STA. 99+68.03 ℄ TRAVERSE

8"ø "LITE CABLE TOLL"

Exist SCL R/W

Fire Alarm

6" Gas

6"WM

6"SAN

CURVE No. 2
P.I. STA 95+52.70
Δ = 5°-18'-18"
Dc = 1°-00'-00"
R = 5,729.65'
Lc = 480.52'
Tc = 290.45'
Ls = 50.00'
SE = 1/2"

E 337,750

E 338,000

E 338,250

N 1,298,000

N 1,298,250

N 1,298,500

N 1,298,750

C.B. Gar.

1 Sty. Asb. Fr. Res.

1 Sty. C.B. Res.

1 Sty. Fr. Res.

1 Sty. Mas. Res.

Car Port

DREXEL AVE.

B.M. No. C-63
X-TIE SOD
S OF HIMES
EL. 18.10

B.M. No. C-63A
SQ CUT IN E. CURB
ON HIMES N. EDGE
OF FIRST DRIV. S. OF RR
EL. 17.484

B.M. No. C-62
FIRST T. POLE S.
OF RR ON HIMES
EL. 18.990

B.M. No. C-61A
SQ CUT IN E. CURB
ON HIMES AVE. 250
N. OF RR CROSSING
EL. 15.922

B.M. No. C-61
THIRD T. POLE
N. OF HIMES
EL. 16.632

50
40
30
20
10
0

EL. 8.50'

EL. 13.92' RT. EL. MW LT.

+0.05% +0.05%

SPEC. GRADE DT. LT.

SPEC. GRADE DT. RT.

-0.03%

PROFILE GRADE LINE "A"

Exist 16" W.L.

6" GAS (TO BE REMOVED) 0.0000%

EXIST. 18" RCP (TO BE REMOVED)

CONST. 18" PIPE LT.

EXISTING 8" GAS

Existing Ground

-1.00 DRI. LT. EL. 14.20

2.65' END DITCH RT. EL. 14.20

10.47' FROM ℄ HIMES TO BEGIN DITCH LT. EL. 13.47

7.70 BEGIN DITCH RT. 22.14'27

RIP RAP 18.47

18.42

18.34

18.24

PVI STA. 104+70.00 EL. 18.20

-0.5000%

SPEC. GRADE DT. RT. -0.10% -0.05% SPEC. GRADE DT. LT.

45' DRI. RT. EL. 13.47

151' DRI. LT. EL. 13.44

18.11

17.96

17.78

17.58

17.35

PVI STA. 107+20.20

500' K.C.

STD. DITCH RT.

STD. DITCH LT. & RT.

500' K.C.

1100

16.82

16.68

16.57

16.51

95

100

105

APR 21 1976

AS BUILT DRAWINGS

Contract Nos. 9A & 9B.

B4
1

PREVIOUS IMAGE IS CROPPED ON ORIGINAL DOCUMENT

DRAFT

SECTION	CONTRACT	SOUTH CROSSTOWN EXPRESSWAY	SHEET NO.
10002	3510		17
By WACO		TAMPA-HILLSBOROUGH COUNTY EXPRESSWAY AUTHORITY	Date 2-73

ENGINEERING DIVISION
TOWN & STREET
TAMPA, FLORIDA

CONCORDIA AVE.

EL PRADO BLVD.

DREXEL AVE.

S.C.L. R.R.

EUCLID AVE.

RAMP "A"

RAMP "B"

S.C.L. R/W LINE

B.T. (100.0')

B.T. (100 PR)

B.T. (200 PR)

B.T. (400 PR)

CONST. DITCH

REMOVE EXISTING TRACKS

CONST. 147 SQ. YDS. CONC. DITCH PAV'T. 3"

CONST. 24.7 CU. YDS. RIP-RAP (SAND-CEMENT)

CONST. 88' OF 24" PIPE

18" Conc. Pipe to be removed

18" Conc. Pipe

15" Conc. Pipe

8" San.

2" W.M.

3/4" W.M.

Tel. M.H.

RIGHT OF WAY TO BE ACQUIRED UNDER CONTRACT NO. 2

CONST. 6'x4' BOX CULVERT

RECONST. 6'x6' C.B. CULVERT — SEE DETAIL SHEET NO. 164

CONST. INLET & GRATE SEE DETAILS SHEET NO. 164

CONST. 24 CU. YDS RIP-RAP (SAND-CEM.) SEE DETAIL SHEET NO. 165

6'x4' Box Culvert

S-10 S-11 S-11A S-12 S-13 S-14

110 115 120

N 29° 59' 53.3" E

N 29° 16' 03.6" E

60° 44' 05"

59° 59'

CURVE NO. 3

CURVE NO. 4

CURVE NO. 5

LINE "A" CURVE NO. 3
P.I. STA. 114+83.20
Δ = 00° 43' 49.7"
D = 00° 15' 00"
T = 146.10'
L = 292.19'
R = 22,918.35'
P.C. = STA. 113+40.10
P.T. = STA. 116+32.29

LINE "A" CURVE NO. 4
P.I. STA. 116+78.39
Δ = 00° 43' 49.7"
D = 00° 15' 00"
T = 146.10'
L = 292.19'
R = 22,918.35'
P.C. = STA. 117+32.20
P.T. = STA. 120+24.48

LINE "A" CURVE NO. 5
P.I. STA. 122+91.18
Δ = 00° 42' 33.5"
D = 00° 15' 00"
T = 141.86'
L = 283.72'
R = 22,918.35'
P.C. = STA. 123+49.32
P.T. = STA. 126+33.04

P.C. 113+40.10
P.I. 114+83.20
P.T. 116+32.29
P.C. 117+32.20
P.I. 118+93.68
P.T. 120+24.48
P.C. 123+49.32
P.I. 124+92.02

STA. 114+83.86 ℄ SURVEY
STA. 118+76.03 ℄ SURVEY
STA. 123+46.97 ℄ SURVEY
℄ SURVEY STA. 113+03.96
℄ EUCLID AVE. STA. 10+00
℄ EXPRESSWAY
℄ CONST. R.R. LINE "A"
℄ EUCLID STA. 9+25.50
℄ CONST. LINE A STA. 112+69.87

END STATE JOB NO. 10002-3511
BEGIN STATE JOB NO. 10002-3510
STA. 111+50.00 LINE "A"

NOTE: SEE EUCLID AVE SHEETS 30 & 31 FOR OTHER DETAILS

B.M. NO. C-60-A
R.R. SPIKE IN 10" OAK
ON P/L OF R.R. & 300.30
OF EUCLID
EL. 17.105

B.M. NO. 50 A
3Q. CUT ON CURB
NO. SIDE EUCLID
10.8' W. OF ℄ SURVEY
EL. 13.08

SCALE 1" = 50'

RAILROAD PROFILE LINE "A" 0.0000% ⊃

500' VC.

-0.5000%

-0.25% RT.
-0.125% LT.

-0.40% LT.

-0.22% RT.

-0.65% LT.

+0.5000% ⊃

+0.50% RT.

+1.16% RT.

+1.8% LT.

P.V.C. (+00) EL. 16.00

P.V.I. (+10) EL. 16.00

P.V.I. (+50) EL. 16.50

P.V.T. (+00) EL. 17.45

P.V.C. (+00) EL. 18.25

P.I. RT (+00) EL. 14.50

DPI LT & RT (-50) EL. LT. 11.92 EL. RT. 12.13

DPI LT (+10) EL. 11.54

DPI RT (+34) EL. 11.42

24" PIPE (LT+RT)

DPI RT (+82) EL. 11.19

DPI LT (+98) EL. 11.23

Exist. 8" San.

DPI LT. (+00) EL. 10.02

DPI RT. (+45) EL. 10.04

END DITCH LT. (+93) EL. 8.12

DPI RT (+00) EL 13.00

DPI LT. (+50) EL. 10.75

DPI LT (+00) EL. 13.00 LT.

S-13 RECONST 6'x6' BOX CULVERT SEE SHEET NO. 164

3rd DITCH LT & RT.

APR 21 1976

AS BUILT DRAWINGS

Contract Nos. 3A & 3B

34
1

PREVIOUS IMAGE IS CROPPED ON ORIGINAL DOCUMENT

DRAFT

SECTION	COUNTY	SHEET NO.
10002	3510	18
DIST. WACO		DATE 2-79

EL PRADO BLVD.

CONCORDIA AVE.

6'x4' BOX CULVERT

CONST. 104' OF 18" PIPE

LINE "A" CURVE NO. 5
P.I. STA. 124+91.18
Δ = 00° 42' 33.5"
D = 00° 15' 00"
T = 141.86'
L = 283.72'
R = 22,918.35'
P.C. STA 123+49.32
P.T. STA. 126+33.04

VASCONIA ST.

SEVILLA ST.

LINE "A" CURVE NO. 6
P.I. STA. = 128+80.30
Δ = 00° 44' 10.7"
D = 00° 15' 00"
T = 147.26'
L = 294.52'
R = 22,918.35'
P.C. STA. 127+33.04
P.T. STA. 130+27.57

CONST. 671 SQ. YDS. CONC. DITCH PAVT. 3"

CONST. 34.8 CU. YDS. RIP-RAP (SAND-CEMENT)

CONST. 25' GUARDRAIL

CORONA ST.

LEONA ST.

CONST. 25' GUARDRAIL

CONST. 98 CUBIC YARDS RIP-RAP (SAND-CEMENT)

CONST. 25' GUARDRAIL

125

BEGIN CONST. DITCH PAVT.

CONSTR. 44' OF CLASS II 18" PIPE

CONST. 30.6 CU. YDS. RIP-RAP (SAND-CEMENT)

130

135

S.C.L. R/W LINE

B.T. (100 P.R.)

CURVE NO. 5

CURVE NO. 6

N 30° 42' 26.8" E

N 29° 58' 16.1" E

℄ CONSTRUCTION LINE "A" OF R.R.

SEE SHEET 5-2

RAMP "A"

CONST. 32' OF 15" PIPE

S.C.L. R.R.

REMOVE EXISTING TRACKS

STA 9+19.70 ℄ EL PRADO = STA 124+33.89 "A"

STA 124+88.83 P.I. ℄ SURVEY

℄ SURVEY

STA 128+77.92 ℄ SURVEY

℄ EXPRESSWAY

CONST. 28' OF 15" PIPE

B.T. (200 P.R.)

℄ RAMP "B"

S.C.L. R/W LINE

NOTE:
SEE EL PRADO BLVD
SHEETS 32 & 33
FOR ADDITIONAL DETAILS

3" W.M.

B.T. (200 P.R.)

B.T. (400 P.R.)

12" W.M.

DREXEL San. AVENUE. San.

B.M. NO. 57A
SQ. CUT IN CONC. @ X-WALK
SO. EDGE OF EL PRADO
147' W. OF ℄ SURVEY
EL. 16.28

B.M. NO. 55 A
13' LT. STA 131+30
SQ. CUT ON SO. CURB
AT 3303 SEVILLA ST.
EL. 15.99

B.M. NO. 54 A
100' RT. STA. 137+26
SQ. CUT ON END OF CURB
AT 3302 DREXEL AVE.
EL 16.82

SCALE 1"=50'

RAILROAD PROFILE LINE "A" 0.0000%

+0.5000%

P.V.I. (+50) EL. 21.00

DPI LT (+20) EL. 16.14

DPI (+00) LT. EL. 16.20

-0.05% LT & RT.

Existing Ground

EL 15.10 LT.

EL 15.04 RT

SPECIAL DITCH 2' B.W. LT. & RT.

D.P.I. (+00) RT. EL. 15.54

Existing 12" San. Sewer

Existing 4" W.M.

EXIST. 3" W.M.

EXIST. 12" W.M.

BT (400 P.R.)

+0.15% RT

BEGIN DITCH RT (+10) EL. 14.95

BEGIN DITCH LT. (+90)

P.V.C. (+00) EL. 19.75

P.V.T. (+00) EL. 21.00

20.00 20.20 20.39 20.55 20.69 20.80 20.89 20.95 20.99

STD. DITCH LT.

16.25 20.00

179 17.1 17.5 180 19.2 19.3 19.6 19.0 19.1 19.5 19.5 18.9 17.6 15.6 16.0 16.4 17.0 16.7 16.5

4 125 6 7 8 9 130 2 3 4 135 6 7 8 9

APR 21 1976

AS BUILT DRAWINGS

Contract Nos. 9A & 9B

84
1

DRAFT



10002 3510 19
WACO 2-73
SAN LUIS ST.
TACON ST.
OBISPO ST.
SAN PEDRO ST.
SAN JUAN ST.
2"W.M.
CONST. 377 SQ.YDS. CONC. DITCH PAVT, 3"
CONST. 32.7 CU.YDS. RIP-RAP (SAND-CEMENT)
CONST. ONE CU. YD. RIP-RAP (SAND-CEMENT)
CONST. 25' GUARDRAIL
140
145
150
B.T. (100 PR.)
℄ CONSTRUCTION LINE "A"
N 29° 58' 16.1" E
REPLACE MILE POST NO. 886 : 15' RT. STA 144+90 ℄ LINE "A"
S.C.L. R.R.
REMOVED EXISTING TRACKS
EXIST. R.R. MILE POST
℄ SURVEY
℄ EXPRESSWAY
B.T. (200 PR.)
END SIDE TRACK REMOVAL AND CONSTRUCT WHEEL STOPS DIRECTED BY THE ENGINEER
REMOVE EXISTING TRACKS
EXISTING TRACKS TO REMAIN
S.C.L. R/W LINE
MATCH LINE STA. 147+00 LINE "A"
SHEET NO. 20
18" Conc. Pipe
B.T. (300 PR.)
12" W.M.
B.T. (200 PR.) AVE.
8" G.M.
SCALE 1" = 50'
18" Conc. Pipe.
12" W.M.
MACDILL
24" Conc. Pipe
B.M. NO. 53A 165' LT. STA. 144+34 SQ CUT ON No. CURB AT 3302 TACON ST. EL 18.12
B.M. NO. 52A 162' LT. STA 146+86 SQ CUT ON SO. CURB W. SIDE OF DRIVEWAY AT 3200 OBISPO ST. EL 17.43
19.50 MATCH LINE STA. 147+00 LINE "A"
RAILROAD PROFILE LINE "A"
Exist. Ground
-0.05 % LT & RT
EL. 15.70 LT.
EL. 15.04 RT.
SPECIAL DITCH (2' B.W.) LT. & RT.
PVC (+50) EL. 21.00
PVI (+00) EL. 21.00
PVT (+50) EL. 20.63
300' V.C.
DPI (+00) EL. 14.74 RT.
DPI (+00) LT. EL. 15.30
EL. 14.52 RT.
0.112 % RT.
APR 21 1976
AS BUILT DRAWINGS
Contract Nos. 9A & 9B
84
1

SECTION	CONTRACT	SOUTH CROSSTOWN EXPRESSWAY	SHEET NO
10002	3510		20
By: WACO		TAMPA-HILLSBOROUGH COUNTY EXPRESSWAY AUTHORITY	Date: 2-73

NO.	REVISION	BY	DATE
1	DRAINAGE STRUCTURE SYSTEM S-20, S-21, S-22, S-23	JNC	9/9/73

OBISPO

SAN PEDRO ST.

SAN JAUN ST.

SANTIAGO

MASON ST.

MAC DILL AVE

BAY TO BAY BLVD

2"W.M.

2"G.M.

8" San.

8" S.D.

24" R.C.P.

SHEET NO. 19
MATCH LINE STA. 147+00 LINE "A"

CONST. 69.2 CU YDS RIP-RAP (SAND-CEMENT)

CONST. 25' GUARDRAIL

CONST. 400 SQ. YDS. CONC. DITCH PAVT., 3"

S.C.L. R/W LINE

150

155

160

1 Sty. Mtl. Comm.

1 Sty. Frame Comm.

1 Sty. CB Ser Sta.

Exist Fuel Farm 10,000 Gal. Undergr.

N 29° 58' 16.1" E.

℄ CONSTRUCTION LINE "A"

REMOVE EXIST. TRACKS

STA. 150+08.10

N. 29° 58' 16.1" E.

℄ EXPRESSWAY

N 29° 58' 16.1" E

B.T. (200 PR.)

Metal Storage Bldg.

BEGIN LINE "C" CONNECT TO EXISTING RAIL STA. 49 + 78.05

N 29° 58' 16.1" E.

B.T. (100 PR.)

B.T. (300 PR.)

℄ CONST. MAC DILL AVE.

B.T. (200 PR.)

CONST. 76' OF 15" PIPE

CONST. 14' OF 15" PIPE

PC STA 53+20.92

PT STA 54+28.06

STA 154+58.11 ℄ SURVEY

STA 156+04.23 LINE "A" = STA 21+48.35 ℄ TRAF. DRILL

CONST. 98' OF 15" PIPE

CONST. 42' OF 24" PIPE (CLASS II)

CONST. 43 SQ YD. CONC. DITCH PAVT., 3"

CONST. 36' OF 15" PIPE CLASS IV

CURVE No. 8

REMOVE 2 INLETS, 3 HEADWALLS & 18" PIPES

S.C.L. R/W LINE

CONST. 18" PIPE & PLUG

STA 158+41.14 LINE "A" = STA 58+41.14 LINE "C"
PT NO. 10 FROG ANGLE
CONST. NO. 10 TURNOUT
SEE A.R.E.A. PLAN NO. 10-62

RIGHT OF WAY TO BE ACQUIRED UNDER CONTRACT NO. 3

CONST. 6.15 CU YDS RIP-RAP SAND-CEM.

R/W TO BE ACQUIR UNDER CONTRACT NO. 3

STA 153+00.84 LINE "A" = STA 176+76.73 ℄ CONST. BAY TO BAY

INSTALL RR WHEEL STOPS

N.O.T. ACCESS DRIVE

PUBLIC TEAM TRACK

BEGIN LINE "B" 59+52.35

℄ LINE "B"

CONST. 60' OF CLASS IV 18" PIPE

CONST. 54" PIPE

STA 159+50 ℄ SURVEY

B.T. (200 PR.)

B.T. (100 PR.)

B.T. (300 PR.)

RIGHT OF WAY TO BE ACQUIRED UNDER CONTRACT NO. 3

SCALE 1"=50'

℄ CONST. BAY TO BAY

LINE "C" CURVE NO. 7
PI STA. 54+28.06
Δ = 31° 15' 00"
D = 15° 00' 00"
T = 107.14
L = 208.33
R = 383.07
PC STA 53+20.92
PT STA 55+29.25

LINE "C" CURVE NO. 8
PI STA 56+96.51
Δ = 25° 31' 31"
D = 15° 00' 00"
T = 86.87
L = 170.17
R = 383.07
PC STA 56+09.74
PT STA 57+79.91

NOTE:
SEE MAC DILL AVE SHEETS 34 & 35 FOR ADDITIONAL DETAILS

NOTE:
SEE BAY TO BAY BLVD SHEETS 35, 36 & 37 FOR ADDITIONAL DETAILS

FOR DETAILS OF ACCESS DRIVE NO. 1 SEE SHEET NO. 38

B.M. NO. 51A
SQ CUT ON C.B.
SE COR OF MASON ST.
& MACDILL AVE.
EL = 16.21

MATCH LINE STA. 147+00 LINE "A"

500' V.C.

PVI (+00) EL 18.00

PROFILE LINE "C"

0.0000%

+0.2500%

PVC (+50) 17.00

PVT (+50) 17.05

PVC (+75) 17.69

PVI (+00) 17.00

PVT (+25) 18.00

250' V.C.

END LINE "C" STA. 58+91.14

BEGIN LINE "C" STA. 49+78.05

RAILROAD PROFILE LINE "A" 0.2500%

DPI (+00) LT. EL. 15.30

EL. 14.52 RT.

SPECIAL DITCH (2' B.W.) LT. & RT.

-0.2000% LT.

-0.112 % RT.

B.T. (100 PR.)

℄ Existing Ground

DPI (+77) LT. EL. 13.75

END DITCH RT (+77) EL. 13.65

PVC (+50) 18.62

PVI (+00) EL 18.00

PVT (+50) 18.00

END DITCH LT (+57) EL. 13.9

BEGIN DITCH LT (+30) EL. 14.68

END DITCH LEFT (+40) EL. 14.57

SPECIAL DITCH LT.

+00 BEGIN SPECIAL DITCH RT. (2' B. W.) EL. 13.83

RAILROAD PROFILE LINE "A" 0.0000%

-0.10%

-0.05%

EL. 13.73

+0.20%

12" W.M.

2" G.M.

200'

CONST. 115' OF 54" PIPE

29 Q used.

CONST. 180' OF 54" PIPE (CLASS III)

CONST. 54" PIPE

℄ EL. 2.2

S-31 CONST MANHOLE TYPE "J-8"

APR 21 1976

AS BUILT DRAWINGS

Contract Nos. 9A & 9B.

84
1

SECTION	CONTRACT	SOUTH CROSSTOWN EXPRESSWAY	SHEET NO.
10002	3510		21
By WACO		TAMPA-HILLSBOROUGH COUNTY EXPRESSWAY AUTHORITY	DATE 2-73

WATSON AND COMPANY
ENGINEERING DIVISION
3013 HORATIO STREET
TAMPA FLORIDA

LINE "B" CURVE NO. 9
P.I. STA. 62+50.37
Δ = 5°43'29"
D = 6°00'00"
T = 47.77'
L = 95.41'
R = 955.37'
P.C. STA. = 62+02.60
P.T. STA. = 62+98.01

GRANADA ST. — 18" San. B.T. (100 PR.) — 2"W.M. — CONST. 25' GUARDRAIL — PLUG PIPE — CONST. 22 CU. YDS. RIP-RAP (SAND-CEM.) — CONC. 132 SQ. YDS. CONC. DITCH PAVT., 3" — 165 — CONST. 17.6 CU. YDS. RIP-RAP (SAND-CEMENT) — CONST. 25' GUARDRAIL — BARCELONA ST. — 8" San. — 18" RCP — 2"W.M. — PALMIRA ST. — 42" San. 18 RCP — B.T. — Deleted. 5-35 CONST. INLET TYPE "C" SEE INDEX NO. 504 G — Heavy Brush & trees — SECTION 27 / SECTION 34 — N 89°30'50.5" W — SAN JOSE ST. — 2"W.M. — 2-60" RCP — 15" Cont. Pipe — CONST. 7.7 CU. YDS. RIP-RAP (SAND-CEMENT) — S-36 CONST. SPECIAL JUNCTION BOX - SEE SHEET NO. 166 — CONST. 25' GUARDRAIL — 175 — CONST. 4' OF 15" PIPE — SAN CARLOS ST. — 2"W.M. — 8"G.M. — MARTI AVE. — 6"W.M.

℄ LINE "B" — CURVE NO. 9 — P.I. (+50.37) — 18" — 1 Sty. Frame & Metal — 5-33 — REMOVE INLET, MANHOLE & PIPE — REMOVE EXIST. TRACKS — RC. (HDGP) — 90° — CONST. 54" PIPE — 45° — STA. 62+48.02 — STA. 163+97.65 — B.T. (200 PR.) — S.C.L. R.R. — 25' — B.T. (50 PR.) — 2"W.M. — CONST. 108 SQ. YDS. CONC. DITCH PAVT., 3" — ℄ CONST. OF 2 2 LINE "A" — B.T. — S.C.L. R/W LINE — N 29°58'16.1" E — Deleted. CONST. 18" CP CONC. PIPE — CONST. 198 SQ. YDS. CONC. DITCH PAVT., 3" — 100' — 15' — 170 — 42" San. — ℄ EXPRESSWAY — N 29°58'16.1" E — ℄ SURVEY — ERECT TEMP. BARRICADE — 1 Sty. Metal — 8"G.M. — B.T. (100 PR.) — B.T. (300 PR.) — B.T. (200 PR.) — 8"G.M. — B.T. (100 PR.) — 8" VCP CONC. 39' — 2.0 — 100' — S-38 CONST. INLET TYPE "C" INDEX NO. 504G ℄ EL. 9.0 — CONST. 95 SQ. YDS. CONC. DITCH PAVT., 3" — S-37 CONST. INLET TYPE "C" - SEE SHEET NO. 166 — REMOVE INLETS & PLUG HOLES — Existing 20' Drainage Easement.

1 Sty. Metal — GRANADA ST. — B.T. 140 CC (PR.) — P.I. NO. 10 FROG ANGLE STA. 164+00 LINE "A" = STA. 64+00.62 LINE "B" CONSTRUCT NO. 10 TURNOUT SEE A.R.E.A. PLAN NO. 10-62 — BARCELONA ST. — 2"W.M. — 42" San. — CONST. 54" PIPE

NOTE: SEE SHEET NO. 39 FOR DETAILS OF 54" OUTFALL PIPE

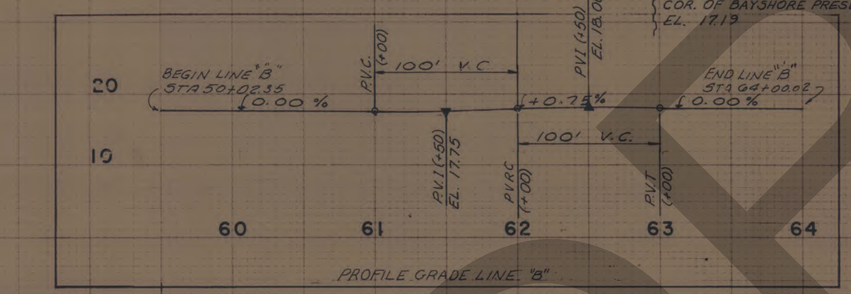
SCALE 1" = 50'

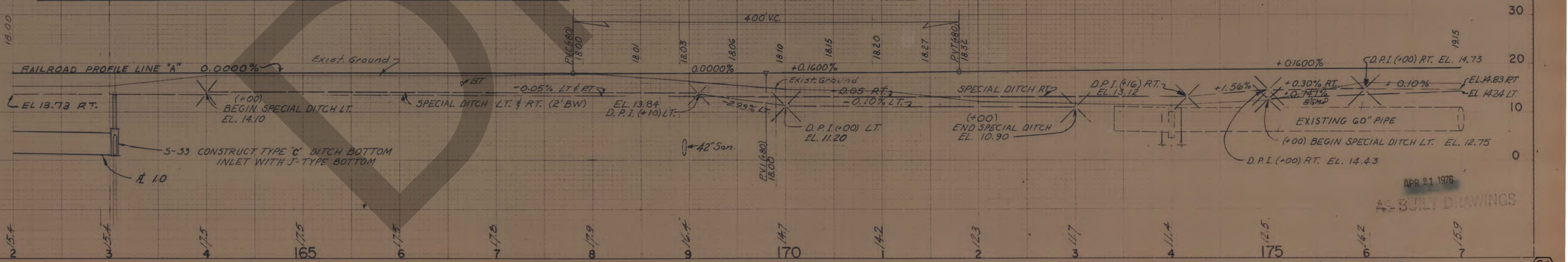
B.M. NO. 50A
100.5' RT. STA. 166+59
IRON PIN S.W. ℄ COR. OF BAYSHORE PRESB. APTS.
EL. 17.19

B.M. NO. 49
104' RT. STA 169+04
SQ CUT S.W. COR OF LIGHT BASE IN PRESB. APTS. PARKING LOT
EL. 16.12

B.M. 48A
101' RIGHT STA. 173+20
SQ. CUT S.W. CORNER OF SIDEWALK IN FRONT OF BAY MANOR APTS. ON RUBIDEAUX AVE.
EL. 12.27

B.M. NO. 49A
112' LT. STA. 173+32
SQ CUT IN CURB NO. SIDE AT 2903 SAN JOSE ST.
EL. 11.74





APR 21 1976
AS-BUILT DRAWINGS

Contract Nos. 3A & 3B

84/1

DRAFT

SECTION	CONTRACT	SOUTH CROSSTOWN EXPRESSWAY	SHEET NO.
10002	3510		22
By WACO		TAMPA-HILLSBOROUGH COUNTY EXPRESSWAY AUTHORITY	Date 2-73

ENGINEERING DIVISION
18 HORATIO STREET
TAMPA FLORIDA

LINE "A" CURVE NO. 10
P.I. STA. 181+82.02
Δ = 08°44'10.9"
D_a = 00° 23' 24"
T_s = 238.35'
D_c = 02° 00' 00"
L_s = 39.00'
L_c = 397.82'
e = ½"

CURVE NO. 11
P.I. STA. 181+74.72
Δ = 08°44'10.9"
D = 2° 00' 00"
T = 218.84'
L = 436.82'
R = 2,864.93
P.C. STA. 179+55.88
P.T. STA. 183+92.70

180 185 190

8"G.M. MARTI 6"W.M. AVE.
Basketball Court
60" PIPE
CONST. 356 SQ. YDS. CONC. DITCH PAVT., 3"
CONST. 25' GUARDRAIL
SAN NICOLAS ST. 2"W.M.
O ST. 2"W.M. 8"W.M.
HABANA AVE 60" R.C.P.
CONST. 8' OF 24" PIPE
18"
18.6
S-39 STA. 184+50 (28.5' LT.)
CONST. INLET TYPE "C"
CONST. SLOT NO. SIDE
SLOT EL. 14.22 ℄ EL. 10.8
CONST. 62.3 CU. YDS. RIP-RAP (SAND-CEMENT)
S.C.L. R/W LINE
CONC. 352 SQ. YDS. CONC. DITCH PAVT., 3"
W.M. 12" 18"
TS STA. 179+43.68
S.C. STA. 179+82.68
CURVE NO. 10
TS STA. 183+80.50
CONST. 48' OF CLASS IV 24" PIPE
CONST. 8' OF 18" PIPE PLUGGED
S.T. STA. 184+19.50
℄ R.R. CONSTRUCTION LINE "A" N 38° 42' 27.0" E
N 29° 58' 16.1" E
P.C. STA. 179+55.88
CURVE NO. 11
P.T. STA. 183+92.70
℄ SURVEY N 38° 42' 27.0" E
℄ EXPRESSWAY N 38° 42' 27.0" E
REMOVE EXISTING TRACKS
100' 100' 66' 66'
8"G.M. B.T. (200 PR.) B.T. (100 PR.)
B.T. (300 PR.)
2-B.T. (200 PR. & 100 PR.)
S.C.L. R/W LINE
S-40 STA. 184+50 (21' RT.)
CONST. INLET TYPE "C"
CONST. SLOT NO. SIDE
SLOT EL. 15.58 ℄ EL. 11.15
6"W.M. 4"G.M. 8"W.M. 2"W.M. 8"W.M.
SCALE 1" = 50'

B.M. NO. 4TA
N'LY LT. OF STA. 181+85
SQ. CUT ON NO. CURB
AT 2305 SAN NICHOLAS ST.
EL. 16.19

RAILROAD PROFILE LINE "A" +0.1600%
+0.10% RT.
EL. 14.83 RT.
EL. 14.24 LT.
DPI (+00) LT.
BEGIN STANDARD DITCH
EL. 14.99
EXISTING 60" PIPE
STD. DITCH LT.
Existing Ground
+0.03% LT.
DPI (4+50) LT.
EL. 14.22
DPI (+30)
BEGIN SPECIAL DITCH LT.
EL. 16.00
SPECIAL DITCH RT (2' BW)
+0.70%
DPI (+00) LT.
EL. 14.30
SPECIAL DITCH LT (2' BW)
DPI 6+00) LT.
EL. 17.10
+0.05% LT.
+0.10% RT.
EL. 17.20 LT.
EL. 16.23 RT.
℄ 21.55
PVC (+00)

50 40 30 20 10 0
19.5 16.3 16.2 16.7 16.8 17.0 17.1 18.4 18.0 16.2 15.3 16.18 16.7 17.8 18.7 19.1 19.1
7 8 9 180 1 2 3 4 185 6 7 8 9 190 1 2

APR 21 1976
AS BUILT DRAWINGS

Contract Nos. 9A & 9B.

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SECTION	CONTRACT	SOUTH CROSSTOWN EXPRESSWAY	SHEET NO.
10002	3510		23
By: WACO		TAMPA-HILLSBOROUGH COUNTY EXPRESSWAY AUTHORITY	Date: 2-73

NO.	REVISION	BY	DATE
1	ADD MISSISSIPPI AV. REVISE DITCH GRADES	J.N.C.	9-24-73

Scale: 1" = 50'

STROUD EXWAY

GEORGIA 15'SS. AVE. 2 W.M.

MISSISSIPPI

Teresa Terrace II Apartments

Pool

Teresa Terrace II Apts.

195

200

205

1 STY METAL SHOP

CONST. 25' GUARDRAIL

S.C.L. R/W LINE

CONST. 332 SQ. YDS. CONC. DITCH PAVT., 3"

REMOVE EXIST. PIPE & INLET

CONST. 56' OF CLASS III CONCRETE PIPE

REPLACE MILE POST NO. 88.5 15' RIGHT STA. 197+94 ℄ "A"

650'

N 38° 42' 27.0" E

REMOVE EXIST. TRACKS

EXISTING RR MILEPOST

2 - B.T. (200 & 100 PR.)

B.T. (300 PR.)

1 Sty Metal Shop

CONST. 46' OF 24" PIPE - 18"

CONST. 341' OF 24" PIPE

S-41A

S-41 CONSTRUCT INLET TYPE "E" CONSTRUCT INLET NORTH SIDE SEE INDEX NO. 504G

S-42 CONSTRUCT INLET TYPE "E" CONSTRUCT SLOT NORTH SIDE SEE INDEX NO. 504G

CONST. 376 SQ. YDS. CONC. DITCH PAVT., 3"

CONST 336' OF 24" PIPE

℄ R.R. CONST. LINE "A"

NOTE; ALL 24" PIPE FROM S-41 TO S-41D WAS PUT IN BY CITY OF TAMPA DELETED ON THIS CONTRACT.

CONST. 81.2 CU. YDS. RIP-RAP (SAND & CEMENT.)

S-41B CONST. 33G' OF 24" PIPE

100'

65'

℄ SURVEY

℄ EXPRESSWAY

2 - B.T. (200 & 100 PR.)

B.T. (300 PR.)

S.C.L. R/W LINE

B.T. (225 PR.)

CAROLINA AVE. 2 W.M.

STROUD 6 W.M.

B.T. (600 PR.) AVE.

12' W.M. AVENUE

AT (26 PR.)

B.T. (400 PR.)

SOUTHVIEW 6' W.M.

AT (50 PR.) AVE.

B.M. NO 45A
134' RT. STA. 193+29
SQ. CUT ON NO. RIM OF SEWER M.H.
70' NO. OF STROUD ON CAROLINA
EL. 18.44

B.M. NO 44 A
12 G' RT. STA. 195+95
R.R. SPIKE IN BASE OF
24" OAK ON CAROLINA
100' SO. OF CHICAGO
EL. 18.55

B.M. NO 43A
SQ. CUT IN CURB
S.E. CORNER OF
MISSISSIPPI AVE. & CAROLINA AVE.
EL. 19.62

B.M. NO 42A
10' RT. STA. 206+59
SQ CUT IN W. END S.W.
ON SOUTHVIEW
EL. 21.35

RAILROAD PROFILE LINE "A"

+0.1600%

0.0000%

± 0.10% RT.

± 0.05% LT.

+0.10% RT.

0.0000%

± 0.05% LT. & RT.

D.P.I. (420) LT. EL. 17.51

EXIST. GROUND

D.P.I. (+60) RT. EL. 16.99

D.P.I. (+05) LT. EL. 17.56

D.P.I. (+42) RT. EL. 17.08

D.P.I. (400) RT. EL. 17.13

P.V.I. (600) 21.87

P.V.I. 21.87

EL. 17.20 LT.
EL. 16.33 RT.

EL. 17.95 LT.
EL. 17.48 RT.

21.87

21.63

21.65

21.79

21.83

21.87

21.87

21.87

400 V.C.

SPECIAL DITCH RT. (2'6 W.)

SPECIAL DITCH LT. (2' BW.)

℄ 13.4

℄ 13.5

℄ 14.2

℄ 14.0

CONST. 56' OF 24" PIPE

CONST. 47' OF 24" PIPE

EXISTING 18" PIPE

S-41

S-42

0+00 W.M.

AS BUILT DRAWINGS
APR 21 1976

Contract Nos. 9A & 9B

84
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SECTION 10002
CONTRACT 3510
SOUTH CROSSTOWN EXPRESSWAY
SHEET NO. 24
By: WACO
TAMPA-HILLSBOROUGH COUNTY EXPRESSWAY AUTHORITY
Date: 2-73
PROSPECT ROAD
WATROUS AVE.
S. MOODY AV.
JETTON AVE.
MORRISON
210
215
220
CONST. 424 CU. YDS. RIP-RAP (SAND-CEMENT)
CONST. 52' OF 15" PIPE
CONST. 20' OF 15" PIPE
CONST. 118' OF 18" PIPE
CONST. 72' OF 18" PIPE
CONST. ACCESS ROAD AND GUARD RAIL SEE SHEET NO. 40
CONST. 204' OF 18" PIPE
CONST. 36' OF 15" PIPE
CONST. 40' OF 15" PIPE
CONST. 345 CU. YDS. RIP-RAP (SAND-CEM.)
CONST. 24" PIPE
CONST. 283 SQ. YDS. CONC. DITCH PAVT., 3"
CONST. 344' OF 24" PIPE
℄ R.R. CONST. LINE "A"
1 Sty. Frame (abandoned)
CONST. 24" PIPE
CONST. 15" PIPE
B.T. (600 PR.)
CONST. 38' OF 18" (CLASS IV) PIPE
N 38°42'27.0 E
1 STY. METAL WAREHOUSE
CONST. 193 SQ. YDS. CONC. DITCH PAVT., 3"
1 Sty. Metal (Comm.)
CONST. 24" CONC. PIPE
S.C.L. R/W LINE
REMOVE EXIST. TRACKS
N 38°42'27.0"E
℄ SURVEY
℄ EXPRESSWAY
2-B.T. (200 & 100 PR.)
B.T. (25 PR.)
B.T. (300 PR.)
B.T. (600 PR.)
NOTE: SEE HOWARD AVE. & WATROUS AVE. SHEETS 40 & 41 FOR ADDITIONAL DETAILS
SOUTHVIEW AVE.
HOWARD
℄ CONST. HOWARD AVE.
℄ CONST. WATROUS AVE.
SCALE 1" = 50'
BT. (26 PR.)
JETTON AVE.
BM. NO. 41A 99' RT. STA. 211+00 NAIL IN TELEPHONE POLE EL. 21.86
BM. NO. 40A 86' RT. STA. 214+36 SQ. CUT IN CURB S.W. CORNER OF HOWARD AND WATROUS AVE. EL. 21.94
BM. NO. 40B 107' LT. STA. 216+90 SQ. CUT IN CURB ON S.E. CORNER OF HOWARD AND JETTON AVE. EL. 21.95
BM. NO. 39-A-1 TOP SW. FLANGE BOLT ON FIRE HYD. N. SIDE MORRISON STA. 12+20 EL. 24.77
400' V.C.
RAILROAD PROFILE LINE "A" +0.00%
SPECIAL DITCH LT. (2' BW)
SPECIAL DITCH RT. (2' BW)
EXISTING 18" PIPE
+0.05% RT.
+0.05% LT.
DPI (+00) RT. BEGIN STD. DITCH EL. 17.68
(+90) END SPECIAL DITCH LT. EL. 18.24
Exist. Ground
BEGIN DITCH RT. (+50) EL. 18.67
+0.1700%
-0.05% RT.
STANDARD DITCH RT.
STD. DITCH LT.
400' V.C.
AS BUILT DRAWINGS
APR 21 1976
Contract Nos. 9A & 9B.
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SECTION	CONTRACT	SOUTH CROSSTOWN EXPRESSWAY	SHEET NO.
10002	3610		25
By: WACO		TAMPA-HILLSBOROUGH COUNTY EXPRESSWAY AUTHORITY	Date: 2-73

WATSON BOND COMPANY
ENGINEERING DIVISION
1115 HORATIO ST.

"LINE "A" CURVE NO. 13
P.I. STA 236+85.85
Δ = 03° 00' 25.2"
D = 00° 30' 10.3"
T = 299.06'
L = 597.98
R = 11,394.19'
P.C. STA. = 233+86.79
P.T. STA. = 239+84.77

STA. 34+90.74 LINE "D"
= STA. 234+90.74 LINE "A"
P.I. NO. 10 FROG ANGLE
CONST. NO. 10 TURNOUT
SEE A.R.E.A. PLAN NO. 10-62

RETENSION AREA NO. 1

RETENSION AREA NO. 2

CONST. 14.9 CU. YDS. RIP-RAP (SAND-CEMENT)

BEGIN MOVING FENCE
BEGIN LINE "D"
STA. 31+54.56
BEGIN NEW RAIL CONST.

CONST. 82.4 SQ. YDS. CONC. DITCH PAVT. 3"

P.I. STA. 33+02.75
LINE "D"

REMOVE EXISTING 24" PIPE

MOVE 350' FENCE

END MOVING FENCE

CONST. 54.3 CU. YDS. RIP-RAP (SAND-CEMENT)

CONST. 24" CONC. PIPE

CONST. 400 SQ. YDS. CONC. DITCH PAVT. 3"

1 STORY CONC. & METAL

REMOVE EXISTING TRACKS

CONST. 25' CHANNEL

RIGHT OF ENTRY TO BE OBTAINED BY TAMPA-HILLSBOROUGH COUNTY EXPRESSWAY AUTHORITY. CONST. 33' OF 30" PIPE

PROPOSED SPOIL AREA

SUMP HOLE

DITCH

PUMPING STATION

S.C.L. R/W LINE

CONST. 45' OF CLASS III 24" PIPE

CONST. 36' OF 24" PIPE, 139' CONST. 190' OF 19"X30" PIPE

CONST. 10" C.I. PIPE & SLEEVE

S-52

CONST. HEADWALL & 34 S.Y. DITCH PAVT. 3"

CONST. 3.5' OF 18" PIPE

STA 232+95.29 "A"

CONST. 132 SQ. YDS. CONC. DITCH PAVT. 3"

CONST. 243 CU. YDS. RIP-RAP (SAND CEMENT) CURVE NO. 13

℄ R.R. CONST. LINE "A"

REMOVE EXISTING TRACKS

CURVE NO. 14

REMOVE EXISTING TRACKS

℄ EXPRESSWAY

2-B.T. (200 & 100 PRS.)

B.T. (600 FR.)

S.C.L. R/W LINE

NOTE: SEE MORRISON AVE. SHEET 42 FOR ADDITIONAL DETAILS

TEL DUCT

8" G.M. MORRISON AVE.

ALBANY AVE.

BRISTOL AVE.

BRUCE ST.

4" W.M.

O.T. (26" PR.)

6" W.M.

SCALE 1"=50'

INMAN AVE.

FREMONT

SWANN AVE.

LINE "D" CURVE NO. 12 DATA:
P.I. STA 33+02.75
Δ = 34° 26' 25"
D = 14° 05' 08"
T = 133.50'
L = 258.73'
R = 441.68'
P.C. STA = 31+69.25
P.T. STA = 34+27.98

℄ SURVEY CURVE NO. 14
P.I. STA = 236+75.30
Δ = 03° 00' 25.2"
D = 00° 30' 00'
T = 300.77
L = 601.40'
R = 11,459.19'
P.C. STA = 233+74.53
P.T. STA = 239+75.93

B.M. NO. 39 B
30 CUT IN 30 CURB
ON MORRISON AVE
120' E. OF ℄ SURVEY
EL. 23.81

B.M. NO. 38 A
98' LT. OF STA. 227+52
30 CUT ON END OF CURB
E. SIDE OF ALBANY
AND BRISTOL AVE
EL. 22.85

B.M. NO. 34 A
134' RT. OF STA. 234+08
R.R. SPIKE IN BASE OF 30" OAK
AT S.W. CORNER FREMONT AND INMAN
EL. 21.01

+0.54% -0.30%
100' V.C.
(-5455)
(+0.76)

PROFILE LINE "D"

RAILROAD PROFILE LINE "A" 0.0000%

BEGIN DITCH LT. EL. 19.20

EL 18.40 RT.

SPECIAL DITCH LT. -0.05%

SPECIAL DITCH RT -0.05%

P.V.C. (120) EL. 23.66

P.V.I. (+1.20) EL. 23.66

P.V.T. (420) 22.76

600' V.C.

CONST. DITCH BLOCK LT. & RT. TOP EL. 20.

DPI +50 LT. & RT. EL. LT. 18.77 EL. RT. 17.97

DPI (+00) LT. EL. 17.62

-0.07% LT.

RAILROAD PROFILE LINE "A" 0.3000%

Existing Ground

DPI (+75) LT. EL. 17.50

DPI (+15) LT. EL. 16.98

-0.10% LT.

EL LT. 16.70

P.V.C. (+00) EL. 21.92

4.00' V.C.

21.78 21.65 21.53 21.42

P.V.I. EL. 21.32

CONST. STD. DITCH (2' BW) RT.

AS BUILT DRAWINGS
APR 21 1976

Contract Nos. 9A & 9B.

84/1

NO.	REVISION	BY	DATE
1	REVISED LINE "H"	J.N.C.	2-4-74
2	EXTEND 18" PIPE 16'	J.N.C.	7-29-74

SECTION	CONTRACT	SOUTH CROSSTOWN EXPRESSWAY	SHEET NO.
10002	3510	TAMPA-HILLSBOROUGH COUNTY EXPRESSWAY AUTHORITY	26
By WACO			Date: 2-73

HORATIO AND COMPANY
ENGINEERING DIVISION
HORATIO STREET
TAMPA FLORIDA

SCALE 1"=50'

LINE "A" CURVE NO. 13
P.I. STA. 236+85.85
Δ = 03° 00' 25.2"
D = 00° 30' 19.3"
T = 299.06'
L = 597.98'
R = 11,394.19'
P.C. STA. = 233+86.79
P.T. STA. = 239+84.77

LINE "E" CURVE NO. 15
P.I. STA. ~~145+87.80~~ 147+25.33
Δ = ~~24°25'41"~~ 24°31'21"
D = ~~16°00'00"~~ 16°01.8"
T = ~~77.51'~~ 94.05'
L = ~~152.68'~~ 189.17'
R = ~~359.00'~~ 441.01'
P.C. STA. = ~~145+60.29~~ 145+79.28
P.T. STA. = ~~146+87.97~~ 147+68.45

LINE "F" CURVE NO. 16
P.I. STA. ~~347+19.15~~ 347+20.71
Δ = ~~10°20'00"~~ 11°80'00"
D = ~~13°30'00"~~ 15°00'00"
T = ~~38.46'~~ 45.00'
L = ~~76.64'~~ 88.46'
R = ~~425.40~~
P.C. STA. = ~~346+80.73~~ 346+75.71
P.T. STA. = ~~347+67.37~~ 347+64.17

STA. 42+00.00 LINE "H" = STA. 242+00.00 LINE "A"
P.I. NO. 10 FROG ANGLE
CONST. NO. 10 TURNOUT

STA 145+10.26 LINE "E" = STA 245+10.26 LINE "A"
P.I. NO. 10 FROG ANGLE
CONST. NO. 10 TURNOUT
SEE AREA PLAN NO. 10-62

MATCH EXISTING RAILS STA 147+63.92 LINE "E"

END NEW RAIL CONST. STA 347+67.89 LINE "F"
RAISE EXISTING RAILS TO GRADE TO STA 345+80

STA. 50+01.24 LINE "H" = STA 250+00.00 LINE "A" (SEE AREA PLAN NO. 10-62)
P.I. NO. 10 FROG ANGLE
CONST. NO. 10 TURNOUT

240

245

250

CONST. 54 CU. YDS. RIP-RAP (SAND-CEMENT)

CONSTRUCT 15" PIPE

S-54 CONST. 18" PIPE

CONST. 19" X 30" PIPE

EXISTING 18" PIPE TO BE REMOVED

Exist. 24" Pipe (To Be Removed)

CONST. 24" PIPE

CURVE NO. 13

CONST. 33 SQ. YDS. CONC. DITCH PAVT., 9"

CONST. 73 CU. YDS. RIP-RAP (SAND CEMENT)

CONST. 341 SQ. YDS. CONC. DITCH PAVT., 3"

CONST. 32' OF CLASS IV 30" PIPE

S-55

S-56

S-57

CONST. 30" PIPE

CONST. 38' OF 18" (CLASS III) PIPE

CONST. 105' GUARDRAIL

CONST. 110' 18" PIPE

EXTEND 18" PIPE 16

S.C.L. R/W LINE

℄ R.R. CONST LINE "A"

REMOVE EXIST. TRACKS

S.C.L. R.R.

N 36° 42' OLD ℄ → 54

CURVE 17

CURVE NO. 15

CURVE NO. 16

P.I. LINE "E" STA 146+88.79

P.I. LINE "F" STA 347+19.14

CONST. 185 SQ. YDS. CONC. DITCH PAVT., 3"

1 Sty. Metal.

LINE "H"

CURVE NO. 18

CURVE NO. 14

N 35° 42' 01.8" E

℄ SURVEY

℄ EXPRESSWAY

REPLACE MILEPOST NO. 884 15' RT. 50+66 LINE "H"

REMOVE EXIST. TRACKS

EXISTING RR. MILEPOST

TEL. N.H. 8-WAY DUCT

2 - B.T. (200 & 100 PRS.)

24" RCP

S-58

S-58A

BEGIN 2' BW DITCH (-00)

CONST. 30" PIPE

B.T. (600 PR.)

B.T. (25 PR.)

CONST. 18" PIPE

PLUG

B.T. (1200 PR.)

6 WAY DUCT

24" PIPE

S-59

REMOVE EXIST. 15" PIPE & INLET & CONST. INLET-TYPE P-5 AT SAME LOCATION.

STA. 246+00 (183' RT.) 18 KV (Elect.)
CONST. ENDWALL, ℄ 13.00

CONST. 25' GUARDRAIL

CONST. 32' OF 18" PIPE

CONST. 52' of 18" PIPE

CONST. TEMPORARY DITCH - SEE X-SECTIONS

NOTE: SEE SWANN AVE SHEET 43 FOR ADDITIONAL DETAILS

℄ SURVEY CURVE NO. 14
P.I. STA. 236+75.30
Δ = 03° 00' 25.2"
D = 00° 30' 00"
T = 300.76'
L = 601.40'
R = 11,459.19'
P.C. STA. 233+74.53
P.T. STA. 239+75.93

LINE "H" CURVE NO. 17
P.I. STA. 43+50.68
Δ = 5°43'29"
D = 6°00'00"
T = 47.77'
L = 95.41'
R = 955.37'
P.C. STA. 43+02.61
P.T. STA. 43+98.02

LINE "H" CURVE NO. 18
P.I. STA. 48+50.99
Δ = 5°43'29"
D = 6°00'00"
R = 955.37
L = 95.41
T = 47.77
P.C. STA. 48+03.22
P.T. STA. 48+98.63

BM. NO. 36A
50' CUT ON CURB ON
SO. SIDE OF SWANN AVE.
100' W. OF ℄ SURVEY
AT EDGE OF INLET - EL. 19.93

BM. NO. 35A
14.4' LT. OF STA. 243+13
NAIL IN TRANSFORMER POLE
ON SO. SIDE OF LEGION
EL. 21.12

PROFILE LINE "A"

PROFILE LINE "E"

PROFILE LINE "H"

RAILROAD PROFILE LINE "A"

EXIST. Ground

145 146 147 240 347 348 42 43 44 45 46 47 48 49 50 245 250

150' V.C.

100' V.C.

400' V.C.

200' V.C.

-0.30%

-0.20%

+0.00%

-0.9000%

-0.1000%

+0.1000%

+0.05% LT & RT.

-0.05% LT & RT.

-1.60% LT

STD. DITCH RT.

END DITCH LT. (+70) EL. 16.63

BEGIN DITCH LT. (+83) EL. 16.71

BEGIN DITCH RT. (+75) EL. 16.46

DPI (+00) LT & RT. EL. 16.40

DPI (+00) RT. EL. 16.40

DPI (+00) LT. EL. 16.45

END DITCH LT. EL. 16.50

BEGIN DITCH LT. EL. 18.00

DPI LT. (+00) EL. 16.40

8" W.M.

EL. LT. 16.70

EL. 16.25 LT. EL. 16.00 LT.

AS BUILT DRAWINGS
APR 21 1976

Contract Nos. 3A & 3B.

24/1

NO.	REVISION	BY	DATE
1	REVISED LINE "H"	JNC	2-4-74

SECTION	CONTRACT	SOUTH CROSSTOWN EXPRESSWAY	SHEET NO.
10002	3510		27
By WACO		TAMPA-HILLSBOROUGH COUNTY EXPRESSWAY AUTHORITY	Date 2-73

ROME AVE. 6"W.M. AZELE AVE. 6"W.M. 16"W.M. 8"R.C.P. 8"San. 6"W.M. 8"San. PLATT STREET DAKOTA STREET OREGON STREET ORLEANS AVENUE CLEVELAND ST. 8"W.M. 8"San. 12"W.M. 15"S.S. 8"San. 6"W.M. 8"San. 8"W.M. 8"San. 16"W.M. 8"San.

CURVE NO. 19 LINE "A"
PI STA 258+68.44
Δ = 5°43'29"
D_a = 3°00'00"
θ_s = 0°35'06"
T_s = 115.00'
L_c = 151.82'
L_s = 39.00'
e = ½"

CURVE NO. 20 LINE "A"
PI STA 265+19.50
Δ = 5°43'29"
D = 2°00'00"
θ_s = 0°23'24"
T_s = 162.74'
L_c = 247.24'
L_s = 39.00'
e = ½"

STA 260+46.71 LINE "A" = STA 60+46.71 LINE "J"
PI NO. 10 FROG ANGLE
CONST. NO. 10 TURNOUT
SEE A.R.E.A. PLAN NO. 10-62

SCALE 1"=50'

255 260 265

292'-30" PIPE
STA. 255+81.00 ℄ SURVEY
CONST. INLET TYPE "D"
END RIP-RAP (Y-60)
CONST. 44.3 CU. YDS. RIP-RAP (SAND CEMENT)
CONST. 40' S-60 (25' LT 253+00)
CONST. GUARDRAIL
2" W.M.
CONST. 47.50 YDS. CONC. DITCH PAVT. 3"
N35°42'01.8"E
CONST 36' OF 24" CLASS II PIPE
CONST. 85' OF 30" PIPE
S-61 (25' LT 257+78.5)
℄ CONST. LINE "A"
CONST. 212 SQ. YDS. CONC. DITCH PAVT. 3"
CONST. 60' OF 30" PIPE (CLASS II)
CONST. 164' OF 30" PIPE
CURVE NO. 19
CONST. 15" PIPE
CONST. 96.2 SQ. YDS. CONC. DITCH PAVT. 3"
END DITCH PAVT.
S-63 (24' LT 258+60)
℄ SURVEY
REMOVE EXISTING TRACKS
℄ EXPRESSWAY
2-B.T. (200 & 100 PRS)
B.T. (600 PR)
13 KV. elect. Co.
S-62
S.C.L. R/W LINE
CONST. 30" PIPE
NOTE SEE PLATT ST. SHEETS 44, 45, 146 FOR ADDITIONAL DETAILS
B.T. (25 PR)
CONST. 30" PIPE
STA 260+46.71 LINE "A" = STA 60+46.71 LINE "J"
CONST. 20.8 CU. YDS. RIP-RAP (SAND CEMENT)
S-64 (15' LT 64+28 "J")
CONST. INLET TYPE VA
FL. EL. GRATE 18.30
INDEX NO. 5043
CONST. 25' GUARDRAIL
CONST 250 OF 6" UNDERDRAIN
℄ CONST. LINE "J"
CONST. 32' 18" PIPE (CLASS III)
CURVE NO. 20
N41°25'30.8"E
STA. 260+37.16 ℄ SURVEY
N35°42'01.8"E
REMOVE EXIST. TRACKS
S-65 (20' LT 264+28 "A")
CONST. INLET TYPE "C"
FL. EL. GRATE 18.40
CONST. SLOT S.W. SIDE
INDEX NO. 5046
STA. 265+08.72 "A"
STA 123+85.83 CLEVELAND ST. ℄
EXISTING RR SIGNAL (TO REMAIN)
FLD. CONST. STA. 123+40
S-66 (95' RT. STA 264+80)
CONST. INLET TYPE "C"
CONST. SLOT WEST SIDE
FL. EL. 14.70 GRATE EL. 17.21
SEE INDEX NO. 5046
B.T. (26 PR)
EXIST. M.H.
S.C.L. R/W LINE
EXISTING RAILROAD SIGNAL TO BE MOVED BY OTHERS
CONST. 20 LIN. FT. 18" PIPE ℄ ZONG. CO. LAR
END LINE "J" CONNECT TO EXISTING RAIL, STA. 66+40
N35°42'01.8"E
STA. 64+76.82 Line J+STA. 122+33.54 CLEVELAND
CONST. 2 R.R. CROSSINGS TYPE "L"
REPLACE PAV'T. & CURB
N35°42'01.8"E
EXISTING R.R. SIGNAL (TO REMAIN)
END JOB STA 266+82.40 LINE "A"= STA 266+70.73 ℄ SURVEY CONNECT TO EXISTING RAIL
PI STA 123+08.50
FLD. CONST. STA 123+40
S-66 (95' RT. STA 264+80) CONST. INLET TYPE "C" CONST. SLOT WEST SIDE FL. EL. 14.70 GRATE EL. 17.21 SEE INDEX NO. 5046
B.T. (26 PR)
STA 266+82.40 EL. 20.87 MATCH EXISTING GRADE

B.M. NO. 31A
100' LEFT OF STA. 255+96
SQ. CUT ON SW CORNER OF GAS PUMP BASE ON EAST SIDE OF PARKER AVE
EL. 21.04

B.M. NO. 32 A
SQ. CUT ON CURB ON SO. SIDE OF PLATT ST. 42' E. OF OREGON ST.
EL. 20.44

B.M. NO. 17A
SQ. CUT ON CURB ON NO. SIDE OF CLEVELAND ST. 5' E. OF ℄ SURVEY — EL. 19.95

BBG CONST. STA. 121+80 EL. 20.70
-0.28% +0.52%
PVI (48.50) EL. 20.55
PVI (98.50) EL. 20.81
END CURVE STA. 123+40 EL. 20.90
PROFILE CLEVELAND ST. ℄
-0.0175%
PVI (400) EL. 20.39
PVI (400) EL. 20.05
-0.2000%
-0.5000%
STA. 66+40 EL. 19.85 MATCH EXISTING GRADE
200' VC
200' VC
PROFILE LINE "J"
STA. 266+82.40 EL. 20.87 MATCH EXISTING GRADE
END JOB STA. 266+82.40 LINE "A" STA. 266+70.73 ℄ SURVEY CONNECT TO EXISTING RAIL
CONNECT 15" PIPE TO 5'x5' BOX — ℄ 13.80
S-64
S-65
S-66
DPI (+80) RT. EL. 16.81
PVI (400) EL. 21.02
DPI (+00) LT ℄ RT. EL. LT. 16.20 EL. RT. 15.95
RAILROAD PROFILE LINE "A" 0.0000%
-0.05% LT. ℄ RT.
+0.40% LT.
+0.05% LT. +0.15% RT.
EL. 16.26 LT. EL. 16.00 RT.
DPI (+00) LT EL. 16.60
DPI (+50) LT EL. 16.83
DPI (+00) RT EL. 16.70
DPI (+00) ET EL. 17.10
+0.10% LT.
DPI (+60) LT. EL. 16.46
DPI (+60) LT EL. 16.66
RAILROAD PROFILE LINE "A" -0.0175%
-0.05% RT.
S-60 CONST. INLET TYPE "E" CONST. SLOT BOTH SIDES ℄ EL. 12.80 GRATE EL. 17.20 SEE INDEX NO. 5046
S-63 CONST. INLET TYPE "C" CONST. SLOT N.E. SIDE ℄ EL. 13.80 GRATE EL. 17.46 SEE INDEX NO. 5046
200' VC
PVI (400) EL. 21.02
PVI (400) EL. 21.00

AS BUILT DRAWINGS
APR 81 1976

Contract Nos. 9A & 9B

84
1

SECTION	CONTRACT	SOUTH CROSSTOWN EXPRESSWAY	SHEET NO.
10002	3511		28
By: J.E.G.	TAMPA-HILLSBOROUGH COUNTY EXPRESSWAY AUTHORITY		Date: 9-72

STATE JOB No. 10002-3511



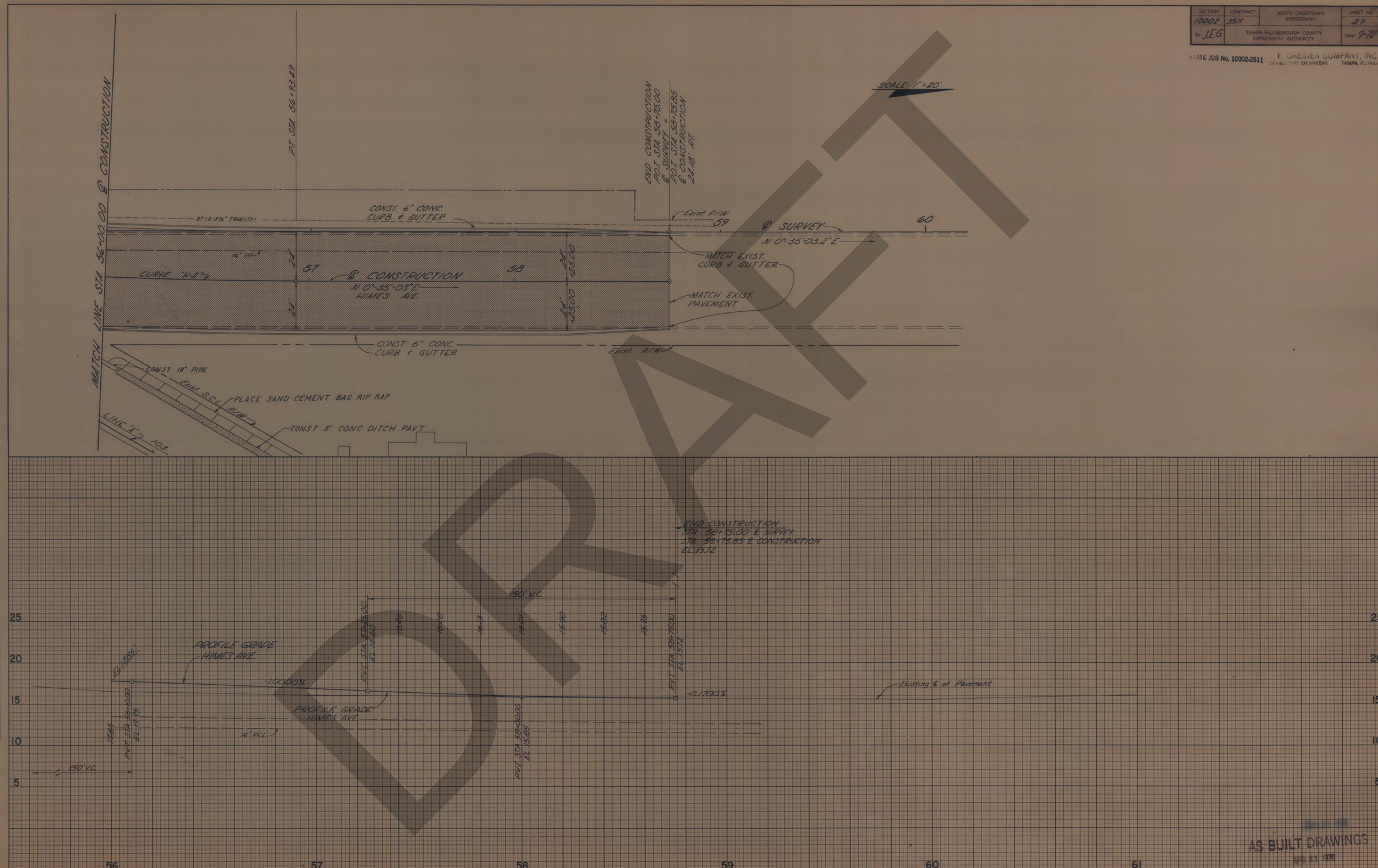
AS BUILT DRAWINGS
APR 21 1976

FINAL SURVEY	SURVEYED	PLOTTED	TEMPLATE	AREAS	AREAS CHECKED	BY	DATE
NOTE BOOK							
NO.							

ORIGINAL SURVEY	SURVEYED	PLOTTED	TEMPLATE	AREAS	AREAS CHECKED	BY	DATE
NOTE BOOK							
NO.							

SECTION	CONTRACT	SOUTH CROSSTOWN EXPRESSWAY	SHEET NO.
10002	3511		29
By: J.E.G.		TAMPA-HILLSBOROUGH COUNTY EXPRESSWAY AUTHORITY	Date: 9-72

STATE JOB No. 10002-3511 E. GREINER COMPANY, INC. CONSULTING ENGINEERS TAMPA, FLORIDA



DRAFT

AS BUILT DRAWINGS
APR 21 1976

Contract Nos. 9A & 9B

84
1

10002	3510		30
WACO			2-73

1 Story Conc. Block Res.

1 Story Conc. Block Res.

1 Story Conc. Block Res.

1 Story Conc. Block Res.

1 Story Conc. Block Res.

1 Story Conc. Block Res.

1 Story Conc. Block Res.

1 Story Conc. Block Res.

GUNLOCK AVE.

CONCORDIA AVE.

EUCLID AVENUE

Asph. Pav't.

8" San.

2" W.M.

36" Storm Sewer

FUTURE RAMP

FUTURE RAMP

Scale 1"=20'

STA. 11+12.35 ℄ RAMP "A" = STA. 6+81.20

N 40°55' 55" E

89°50'12"

(+33.22)

(106.12)

℄ EUCLID ℄ ℄ CONSTRUCTION

San. M.H. Inv. 3.52

BEGIN CONST. STA. 7+00

CONNECT TO EXIST. PAV'T. (7+00)

CONST. 24' OF 18" PIPE CONNECT TO 1ST JOINT OF EXISTING PIPE

15" PIPE TO REMAIN

CONNECT TO EXIST. PAV'T.

60°44'48"

S 89°16'06.7" E

San. M.H. Inv. 3.31

15" To Be Removed

M.H. 13.87

13.66

CONST. 6' OF 15" PIPE. CONNECT PIPE TO NEW INLET. OLD INLET TO BE REMOVED.

EXIST. INLET TO REMAIN

1.08.56

+10

13.72

13.80

24'

33.39'

33.92'

CONST. CONC. CURB & GUTTER

CONST. CONC. CURB & GUTTER

Tel. M.H. CONST. 88' OF 24" PIPE WITH STANDARD ENDWALLS AND "U" TYPE WINGS SEE INDEX NO. 200

S-10

+50

STA. 7+63 CONST. INLET TYPE P-6 F.L. 9.3

STA. 9+25.50 ℄ EUCLID = STA. 112+69.87 LINE "A"

CONST. R.R. CROSSING, TYPE "L" FOR ADDITIONAL DETAILS SEE INDEX NO. 1466.

STA. 112+97.80 ℄ LINE "A" (32 LT)

F.L. EL. 11.0

DROP CURB (TYP.)

STA. 113+22 (20' RT.)

F.L. EL. 11.0

CONST. 88' OF 24" PIPE WITH STANDARD ENDWALLS AND "U" TYPE WINGS SEE INDEX NO. 200

1 Story Conc. Block Res.

B.T. (100 PR.)

S.C.L. R/W Line

LINE "A"

RAILROAD

+51.12

+44.15

+39.78

+33.22

113

℄ OF CONST. & ℄ OF SURVEY

18" R.C. PIPE TO BE REMOVED.

24'

24'

3' CURB TRANS. (TYP.)

B.T. (400 PR.)

STA. 112+34 (20' RT.) F.L. EL. 11.3

CONST. DITCH SEE CROSS SECTION BELOW

STA. 112+10 (26' LT.) F.L. EL. 11.3

+29.38

+25.32

+19.18

+15.12

112

B.T. (100 PR.)

℄ OF PROPOSED RAILROAD

℄ R/W DITCH

SEABOARD COAST

112 ℄ OF SURVEY

P.I. 1 = 0°45' LT (NO CURVE) STA. 104+00.00 ℄ EUCLID = STA. 113+03.96 ℄ SURVEY

EXISTING RAILS TO BE REMOVED

Natural Ground

Natural Ground

2:1

2'

2:1

2' MIN.

TYPICAL CROSS SECTION DITCH - 60' RT. OF EUCLID

BMC - 59A-1
Sq. Cut in Curb
Center of N.W. Radius of GUNLOCK & EUCLID
EL. 14.68

FOR SPECIAL PROFILES ON EDGES OF PAVEMENT SEE SHEET NO. 64

Existing ℄ Profile

100' V.C.

(+42) 14.28

14.35

14.38

14.93

(+40) 15.19

(+00) EL. 14.52

+1.8000%

-1.8000%

P.V.I. (+25) EL. 16.53

℄ - PROFILE - EUCLID AVE.

-0.3600%

+1.8000%

P.V.I. (+30) EL. 14.20

B.T.

15.46

15.74

15.92

16.00

15.97

15.84

15.61

(+55) 15.37

(+95) 15.87

140' V.C.

100' V.C.

+0.2%

D.P.I. (+18) EL. 11.94

SPECIAL DITCH 60' RT.

Existing 2" W.M.

Existing 2" W.M.

CONNECT TO FIRST JOINT OF EXIST PIPE AT SAME F.L. ELEV.

CONST. 18" PIPE

18" STORM SEWER (TO BE REMOVED & REPLACED WITH 18" AT NEW LOCATION.)

F.L. EL 9.0

CONST. CONC. COLLAR SEE STD. INDEX NO. 5061 F.L. 7.47

36" Storm Sewer

Existing Sanitary Sewer Elev. 3.30 @ Sta. 7+08

14.44 14.53 14.63 14.83 14.81 14.95 14.66 14.37 14.88 16.42 9.00 20.03 20.17

+50

4 5 6 7 8 9 10

20 18 16 14 12 10

AS BUILT DRAWINGS
APR 21 1976

Contract Nos. 9A & 9B

84
1

DRAFT

SECTION	CONTRACT	SOUTH CROSSTOWN EXPRESSWAY	SHEET NO.
10002	3510		31
By: WACO		TAMPA-HILLSBOROUGH COUNTY EXPRESSWAY AUTHORITY	Date: 2-73

WATSON AND COMPANY
ENGINEERING DIVISION
3013 HORATIO STREET
TAMPA, FLORIDA

SCALE 1"=20

114
EXISTING RAILS TO BE REMOVED.
℄ OF SURVEY
RAILROAD
P.I. Δ = 0°45' LT. (NO CURVE)
STA. 10+00.00 ℄ EUCLID =
STA. 113+13.96 ℄ SURVEY.
B.T. (200 PR.)
1 Story Conc. Block Res.
1 Story Conc. Block Res.
STA. 12+64.69 =
STA. 214+19.73
RAMP "B"
℄ RAMP "B" (FUTURE)
N 12°53'53.3" E
6" W.M.
B.T. (200 & 400 PR.)
DREXEL AVE.
Asph. Pav't.
1 Story Conc. Block Res.
1 Story Conc. Block Res.
18" R.C. PIPE (TO BE REMOVED.)
R/W LINE
CONST. CONC. CURB & GUTTER
S-11A
+35.48
165' END C & G.
13.18
CONST. 56' OF 15" PIPE.
13.23
CONNECT TO EXIST. PAV'T.
75°
(+93.22)
59°54'15"
8" San.
San. M.H. (TO BE ADJUSTED)
℄ CONSTRUCTION
℄ OF SURVEY
CONST. 40' OF 15" PIPE AND CONNECT TO FIRST SECTION OF EXIST. PIPE.
EUCLID
AVENUE
San. M.H.
N 89°58'53.3" E
18"
15"
M.H.
13.25
Tel. M.H.
2" W.M.
B.T. (400 PR.)
CONST. CONC. CURB & GUTTER
R/W LINE
S-11
+28.20
RETURN NO. 1
0+49.00
16'
LYNWOOD AVE.
+70.70
13.95
CONST. INLET STA. +28.20 TYPE P-5, FL. 9.8
18" ASPH. PAV'T.
END CONSTRUCTION STA. 12+73
COAST.
CONST. DITCH
SEABOARD
DITCH (BY OTHERS) SCL R/W Line
1 Story Conc. Block Res.
G" W.M.

FOR SPECIAL PROFILES ON EDGES OF PAVEMENT SEE SHEET NO. 64

B.M.C. 59A-2
SQ. CUT ON TOP OF CONC. CURB
18' RT. STA. 14+00
EL. 13.12

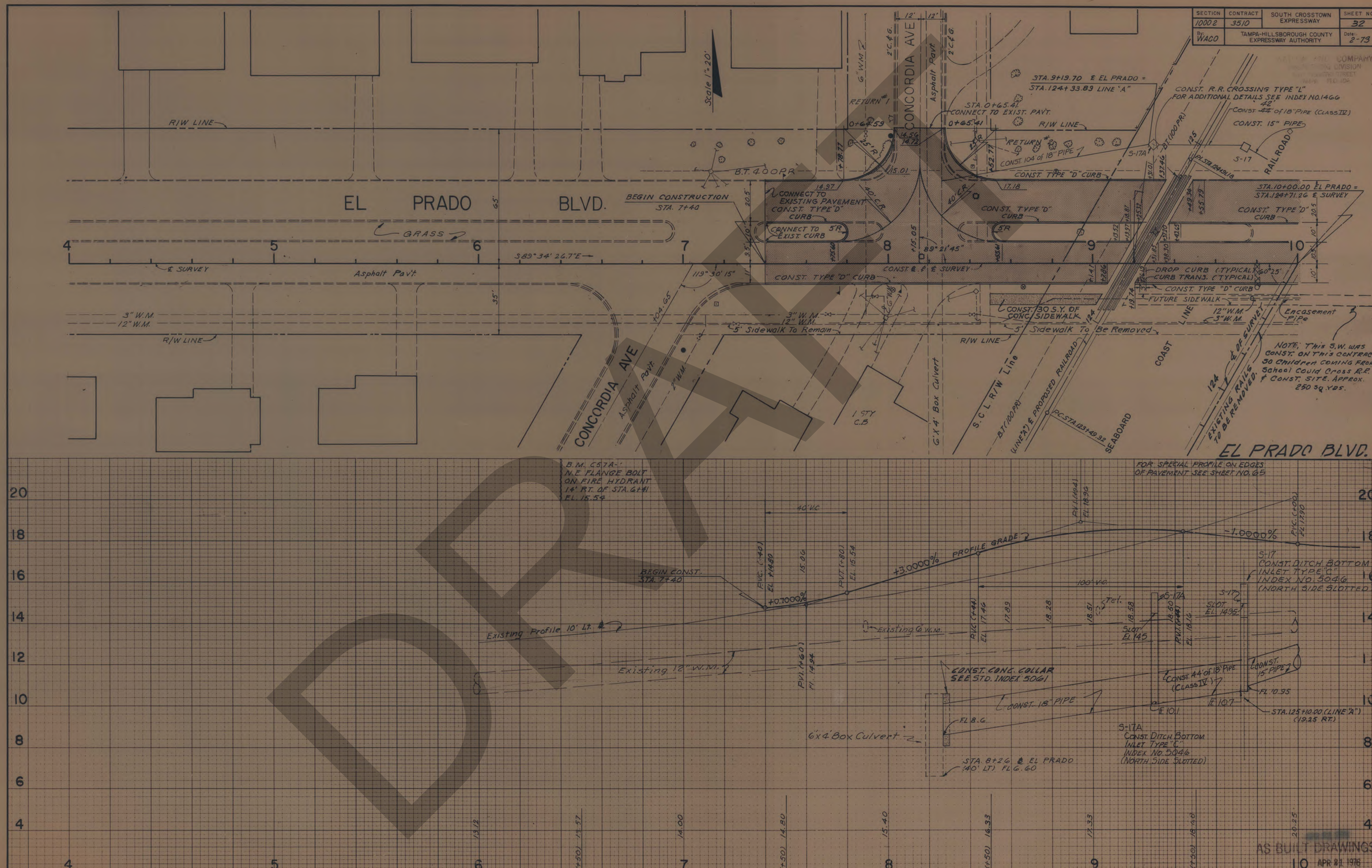
EUCLID AVENUE

Existing ℄ Profile
100' V.C.
-1.8000%
P.V.I. (+9.35)
14.31
℄ PROFILE - EUCLID AVE.
-0.3260%
B.T.
B.V. (+7.46)
EL. 14.47
S-11
+28.20 RT.
INLET P-5
Storm M.H.
G.W.M.
San. M.H.
CONST. 15" PIPE (T)
CONST. 15" PIPE A.F.
(+7.73)
EL. 13.73
R.I. EL. 9.51 (T)
S-11A
+27.48
INLET P-6
RT. & LT. FL. EL. 9.8
(RT.) CONNECT TO FIRST SECTION OF EXIST. PIPE
CONST. CONC. COLLAR SEE STD. INDEX 5061
18" Storm Sewer
San. M.H.
20.12
18.08
16.32
14.56
13.84
13.69
13.49
13.26
12.98
12.66
12.14

AS BUILT DRAWINGS
APR 21 1976

Contract Nos. 9A & 9B

8A
1


SECTION 10002
CONTRACT 3510
SOUTH CROSSTOWN EXPRESSWAY
SHEET NO. 32
By: WACO
TAMPA-HILLSBOROUGH COUNTY EXPRESSWAY AUTHORITY
Date: 2-73
EL PRADO BLVD.
CONCORDIA AVE
Asphalt Pavt.
Scale 1" = 20'
R/W LINE
GRASS
BEGIN CONSTRUCTION STA. 7+40
CONNECT TO EXISTING PAVEMENT
CONST. TYPE "D" CURB
CONNECT TO EXIST. CURB
CONST. TYPE "D" CURB
CONST. 30 S.Y. OF CONC. SIDEWALK
5' Sidewalk To Remain
5' Sidewalk To Be Removed
CONST. R.R. CROSSING TYPE "L" FOR ADDITIONAL DETAILS SEE INDEX NO. 1466
CONST. 42' of 18" PIPE (CLASS IV)
CONST. 15" PIPE
RAILROAD
STA. 9+19.70 ℄ EL PRADO = STA. 124+33.89 LINE "A"
STA. 0+65.41 CONNECT TO EXIST. PAVT.
STA. 10+00.00 EL PRADO = STA. 124+71.26 ℄ SURVEY
DROP CURB (TYPICAL)
CURB TRANS. (TYPICAL)
FUTURE SIDEWALK
Encasement Pipe
NOTE: This S.W. was CONST. on this CONTRACT so Children coming from School could cross R.R. & CONST. SITE. Approx. 250 sq. yds.
EXISTING RAILS TO BE REMOVED.
S.C.L. R/W Line
SEABOARD COAST LINE
6'x4' Box Culvert
1 STY C.B.
B.M. C57A-1 N.E. FLANGE BOLT ON FIRE HYDRANT 14' RT. OF STA. 6+41 EL. 15.54
FOR SPECIAL PROFILE ON EDGES OF PAVEMENT SEE SHEET NO. 65
BEGIN CONST. STA. 7+40
+0.7000%
+3.0000% PROFILE GRADE
-1.0000%
Existing Profile 10' Lt. ℄
Existing 12" W.M.
Existing 6" W.M.
CONST. CONC. COLLAR SEE STD. INDEX 5061
CONST. 18" PIPE
6'x4' Box Culvert
STA. 8+26 ℄ EL PRADO (40' LT) FL 6.60
S-17 CONST. DITCH BOTTOM INLET TYPE "C" INDEX NO. 5046 (NORTH SIDE SLOTTED)
S-17A CONST. DITCH BOTTOM INLET TYPE "C" INDEX NO. 5046 (NORTH SIDE SLOTTED)
STA. 125+10.00 (LINE "A") (19.25 RT.)
AS BUILT DRAWINGS
APR 21 1976
Contract Nos. 9A & 9B
84/1

SECTION	CONTRACT	SOUTH CROSSTOWN EXPRESSWAY	SHEET NO.
10002	3510		33
By: WACO	TAMPA-HILLSBOROUGH COUNTY EXPRESSWAY AUTHORITY		Date: 2-73

EL PRADO BLVD.

℄ SURVEY
EXISTING RAILS TO BE REMOVED
RAIL ROAD
Scale 1" = 20'
STA. 124+88.83
℄ - SURVEY
Δ = 0°1'-37.2" LT.
74' CONST. 72' OF 15" PIPE
Plugged
BT. (600 PR)
BT 400 PR
R/W Line
3" W.M.
DREXEL AVE
2" W.M.
EL PRADO BLVD.
END OF CONSTRUCTION STA. 11+60.00 EL PRADO
CONST. TYPE "D" CURB
CONNECT TO EXIST. CURB
S-16
CONST. 27' OF 15" PIPE
CONST. ℄ ℄ SURVEY
CONNECT TO EXISTING PAVEMENT
S-15
FUTURE 5' SIDEWALK
SEE NOTE SH. 32
12" W.M.
3" W.M.
Remove Existing Sidewalk
Existing 5' Sidewalk To Remain
℄ R/W Line
S 89° 34' 26.7" E
STA. 10+00.00 EL PRADO = STA. 124+71.26 ℄ SURVEY.
SEABOARD
COAST
S.C.L. R/W Line
BT 400 PR
DREXEL AVE
3" W.M.
12" W.M.

BM 57-B-1
CONC. LIGHT POLE BASE
14' LT. OF STA. 13+34
EL. 18.93

80' V.C.
END OF CONST. STA. 11+60
P.V.I. (+20) EL. 18.86
P.V.I. (+00) EL. 17.50
17.77
17.77
17.51
-0.1250%
PROFILE GRADE
Existing Profile 10' Lt. ℄
-1.000%
+1.7000%
3" W.M.
Tel.
P.V.I. (+40) EL. 17.50
(EX. ST. 12" WM
P.V.R.C. (+80) EL. 18.18
18.47
18.66
18.79
P.V.T. (+120) EL. 19.81
80' V.C.
CONST. 15" PIPE
F.L. 13.1 (S-15)
F.L. 12.9 (S-16)

20.25
19.25 (+50)
13.11
18.76 (+50)
18.56
18.41 (+50)
18.14

AS BUILT DRAWINGS
APR 21 1976

Contract Nos. 9A & 9B

84/1

SECTION	CONTRACT	SOUTH CROSSTOWN EXPRESSWAY	SHEET NO.
10002	3510	"	34
By: WACO	TAMPA-HILLSBOROUGH COUNTY EXPRESSWAY AUTHORITY		Date: 2-73
NO	REVISION	BY	DATE
1	DRAINAGE STRUCTURE SYSTEM S-20, S-21, S22, S-23	JNC	9/19/73

PARKING AREA

Scale: 1"=20'

MACDILL AVENUE

AS BUILT DRAWINGS

APR 21 1976

Contract Nos. 3A & 3B

84 / 1

DISTRICT	CONTRACT	SOUTH CROSSTOWN EXPRESSWAY	SHEET NO
10002	3510		35
BY WACO	TAMPA-HILLSBOROUGH COUNTY EXPRESSWAY AUTHORITY		TOT 2-73

NO	REVISION	BY	DATE
1	DRAINAGE STRUCTURE SYSTEM S-20, S-21, S-22, S-23	JNC	9/19/73

SCALE 1" = 20'

Note: Due to excessive traffic and poor Detour facilities, also Storm Sewer being in good condition it was found feasible not to tear up entire intersection and construct only the additional areas as shown on Plans, also overlay existing intersection eliminating closing of Streets. New Inlets were tied into Existing Sewer & existing Inlets removed.

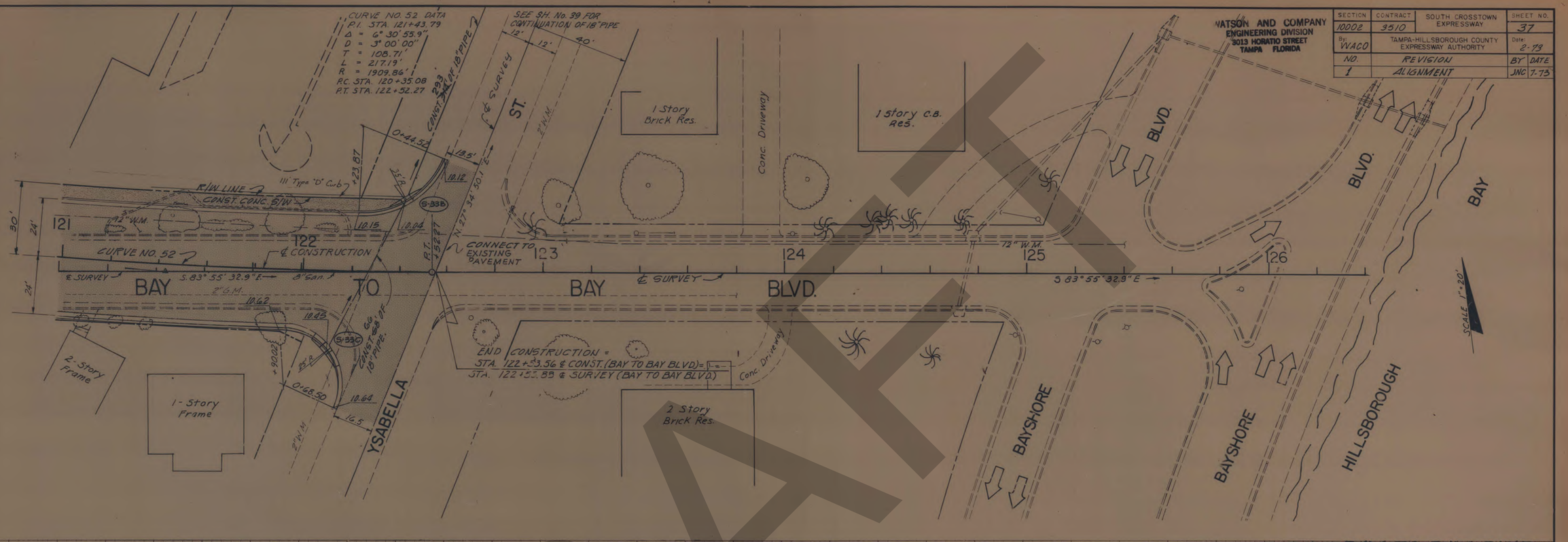
MACDILL AVENUE
BAY TO BAY BLVD.

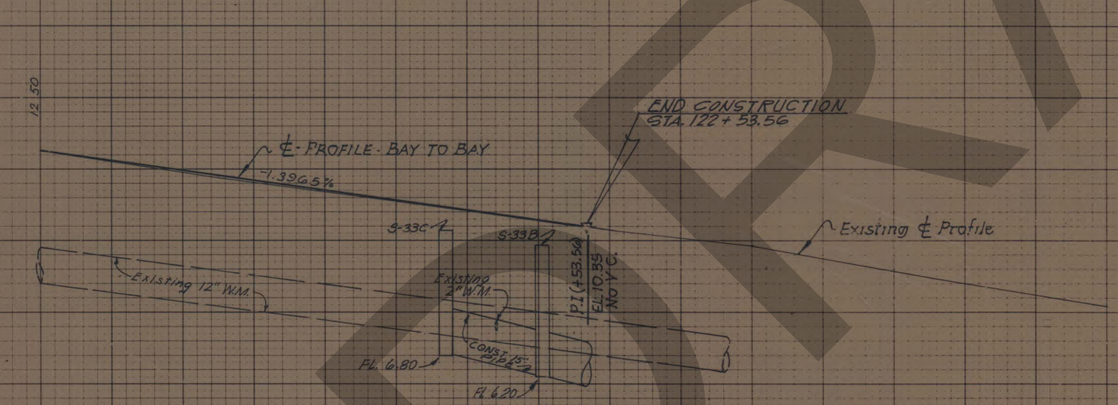
NOTE: FOR SPECIAL PROFILE, SEE SHEETS GG, GT & GB.

DRAFT

AS BUILT DRAWING
APR 9 1976


SECTION 10002
CONTRACT 3510
SOUTH CROSSTOWN EXPRESSWAY
SHEET NO. 36
By: WACO
TAMPA-HILLSBOROUGH COUNTY EXPRESSWAY AUTHORITY
Date: 2-73
NO. 1
REVISION ALIGNMENT
BY JNC
DATE 7-73
STA. 115+30.02 BAY TO BAY = STA. 24+10.53 MACDILL AVE
STA. 116+75.49 ℄ CONST. BAY TO BAY = STA. 159+00.95 LINE "A"
CURVE NO. 51
P.I. Sta. 117+22.67
Δ = 12°00'30"
D = 4°00'00"
T = 150.66'
L = 300.21'
R = 1432.39'
P.C. Sta. 115 + 72.01
P.T. Sta 118 + 72.22
SCALE: 1" = 20'
4 Story Steel and C.B. Office Building.
BAYSIDE BUILDING
Existing Parking
RAMP "B" FUTURE CONSTRUCTION
STA. 118+87.5 (28' LT) 18" PLUG F.L. EL. 9.3
FUTURE BRIDGE
FUTURE SIDEWALK
CONST. CURB & GUTTER
FUTURE INLETS
FUTURE STORM SEWER
L.A. R/W LINE
Conc. Wall
Conc. Curb.
CONST. CONC. S/W
℄ CONSTRUCTION
S 77°24'38" E
CONST. 104' OF 18" PIPE
CONST. CONC. CURB & GUTTER
M.H. TO BE ADJUSTED
SURVEY ℄
8" San.
S 83°55'32.9" E
BAY TO BAY BLVD.
CURVE NO. 52
CURVE NO. 51 Remove
CONST. CONC. SIDEWALK
CONST. DROP CURB
M.H. to be Adjusted
DROP CURB (TYP.)
3' CURB TRANS. (TYP.)
CONST. CONC. COLLAR RT. STA. 158+60 INDEX NO. 5061
CONST. 38' of 15" PIPE
S-31 CONST. M.H. TYPE "J-8"
CONST. 12' OF 15" PIPE
S-31-A
STA. 158+41.14 LINE "A" = STA. 58+41.14 LINE "C" P.I. NO 10 FROG ANGLE
LINE "C"
CONST. 54" PIPE (CLASS IV)
CONST. 142' OF 18" PIPE
S-32 STA. 118+20 (55' RT.) CONST. M.H. TYPE "P.8" F.L. EL 9.0
FUTURE PIER LOCATIONS (TYP.)
Exist. R/W Line
Existing Parking
4-6" ELECTRIC DUCTS FOR FUTURE USE.
NOTE: DROP CURBS FOR ENTRANCES TO PARKING AS DIRECTED BY THE ENGINEER.
1 Story Frame Tavern
2-Story Frame Apartment.
2-Story Frame Apartment
MAC DILL AVE.
SCL R/W Line
CONST. R.R. CROSSING TYPE "C" FOR ADDITIONAL DETAILS SEE INDEX NO. 14 66
CONST. 15" PIPE
CONST. 15" PIPE
CONST. 15" PIPE
CONST. 15" PIPE
CONST. 54" PIPE (CLASS IV)
B.M. J40 A-1
E END OF N.W. CONC. PUMP ISLAND OF PHILLPS 66
S.W. COR. OF BAY TO BAY & MACDILL
EL. 18.28
FOR SPECIAL PROFILES ON EDGES OF PAVEMENT SEE SHEET NO. 69
BAY TO BAY BLVD.
SURVEY ℄
Existing ℄ Profile
-0.3000%
+1.4000%
-1.3965%
S-29 INLET P-5
S-28 INLET P-5
CONST. 15" PIPE
F.L. EL. 13.8
F.L. EL. 13.6
8" San.
F.L. EL. 11.80
F.L. EL. 14.15
F.L. EL. 13.95
Existing 12" W.M.
CONST. 15" PIPE
S-30 STA. 158+40 (25' LT.) INLET "C" - F.L. EL. 11.65 GRATE EL. 14.57 CONST. SLOT IN S.W. SIDE INDEX NO. 5046
F.L. EL. 11.65
F.L. EL. 10.75
F.L. EL. 11.1
F.L. EL. 10.9
STA. 158+40 (14' RT.) CONST. M.H. (TYPE "J-8") 6" DIAMETER TOP EL. 15.9 F.L. EL. 2.2 INDEX NO. 5047
S-31-A STA. 158+27 (20' RT.) CONST. INLET TYPE "C" CONST. SLOT S.W. SIDE GRATE EL. 14.8 F.L. EL. 11.1
100' VC.
CONST. 54" PIPE CLASS IV
CONST. 54" PIPE
CONST. CONC. COLLAR SEE INDEX NO. 5061
F.L. EL. 3.7
F.L. EL. 2.2
S-32 M.H. P.8 TOP EL. 16.4 INDEX NO. 5047
B.T.
8 G.M.
Existing 12" W.M.
18" PLUG
CONST. 18" PIPE
℄ EL. 9.3
F.L. EL. 9.0
℄ PROFILE BAY TO BAY BLVD.
San. M.H.
-1.3965%
8" San.
116
117
118
119
120
121
AS BUILT DRAWINGS
APR 21 1976
Contract Nos. 9A & 9B
84
1
DRAFT





SECTION	CONTRACT	SOUTH CROSSTOWN EXPRESSWAY	SHEET NO.
10002	3510		37
By: WACO	TAMPA-HILLSBOROUGH COUNTY EXPRESSWAY AUTHORITY		Date: 2-73
NO.	REVISION		BY DATE
1	ALIGNMENT		JNC 7-73

WATSON AND COMPANY
ENGINEERING DIVISION
3013 HORATIO STREET
TAMPA FLORIDA

DRAFT

AS BUILT DRAWINGS
APR 21 1976

Contract Nos. 9A & 9B

SECTION	CONTRACT		SHEET NO.
10002	3510		38
BY: WACO	TAMPA-HILLSBOROUGH COUNTY EXPRESSWAY AUTHORITY		DATE 2-73

WATSON AND COMPANY
ENGINEERING DIVISION
3013 HORATIO STREET
TAMPA FLORIDA

SCALE 1"=20'

STA 116+41.04 BAY TO BAY =
STA 0+00 ACCESS DRIVE NO.1

℄ CONST. BAY TO BAY

BAY TO BAY BLVD

CONST. 6" CURB & GUTTER

CONST DROP CURB

116+22.80

R=30.00'

Δ=52°48'

L=27.64'

Underground Fuel Tanks

LOADING DOCK

1 STORY STEEL & MASONRY WAREHOUSE

CONST. 376' OF DROP CURB

R/w Line

S-34
CONST. INLET TYPE V-A
GRATE EL. 15.70 FL. 11.70

0+22

15'

FL. 14.4
FL. 14.6

℄ ACCESS DRIVE NO.1

CONST. 368' OF 6" UNDERDRAIN

FL. 15.0

FL. 15.0

N 20° 58' 16.1" E

65°22'09" TC

120'

65°22'09"

INSTALL R.R. WHEEL STOPS

159 160 161 162 163 164

℄ LINE "B" PUBLIC TEAM TRACK

Curve No. 9

℄ LINE "A"

CONST. 60 OF 18" PIPE (CLASS II)

CONST. 54" PIPE

STA. 116+76.73 ℄ CONST. BAY TO BAY =
STA. 159+00.84 LINE "A"

1 STORY FRAME OFFICE & WAREHOUSE

CONST. CONC. COLLAR
SEE INDEX NO. 5061

SEE SHEET NO. 36 FOR DETAILS OF BAY TO BAY.

GRANADA AVE

CONNECT TO EXISTING ASPHALT PAVEMENT
STA. 5+07.50

Curve No. 9A

PT+67%

18R

25R

1 STORY C.B. OFFICE & WAREHOUSE

PLUG 18" PIPE

SWALE TO DITCH

BEGIN DITCH (25' LT.)
STA. 164+00

REMOVE 18" PIPE
M.H. & INLET

STA. 164+00 LINE "A"
P.I. NO. 10 FROG ANGLE

S-33

CONST. 54" PIPE

CURVE NO. 9A
P.I. STA 4+54.78
Δ = 105°20'00"
R = 25.00'
T = 32.78'
L = 45.96'
P.C. STA. 4+22.00
P.T. STA. 4+67.96

SEE SHEET NO. 21 FOR CURVE NO. 9 DATA

FINAL SURVEY — SURVEYED, PLOTTED, TEMPLATE AREAS, AREAS CHECKED, NOTE BOOK, NO., BY, DATE

ORIGINAL SURVEY — SURVEYED, PLOTTED, TEMPLATE AREAS, AREAS CHECKED, NOTE BOOK, NO., BY, DATE

ACCESS DRIVE NO. 1

17.66 17.27 LT. 17.30 17.46 RT. 17.92 17.35 17.01 PVI LT. 16.87 16.80 PVI RT.

PROFILE RT. EDGE PAVEMENT

0.00%

PVI (16.80) FL. 14.80 10' VC

PROFILE LT. EDGE PAVEMENT

-0.994%

FL. EL. 15.0

Const. 6" Underdrain

Exist. Ground Line

+0.500%

℄ S-34

Const. 6" Underdrain

16.80 PVI LT.

+0.300%

PROFILE RT. EDGE OF PAV'T.

PROFILE LT. EDGE OF PAV'T.

Warp Grade to Match Pav't
17.10
+0.750

100 PVI LT. & R.
EL. 17.10 RT.
EL. 17.05 LT.

℄ CONST 18" PIPE

CROWN OF 54" PIPE

FL EL. 4.1

20 18 16 14 12 10 8 6

0 1 2 3 4 5

16.7 16.9 16.1 16.3 17.0 16.7 16.6 17.0

AS BUILT DRAWINGS
APR 21 1976

Contract Nos. 9A & 9B

84/1

SECTION	CONTRACT	SOUTH CROSSTOWN EXPRESSWAY	SHEET NO.
10002	3510		39A
By WACO		TAMPA-HILLSBOROUGH COUNTY EXPRESSWAY AUTHORITY	Date 9/73

TERESA TERRACE II APARTMENTS

TERESA TERRACE II APARTMENTS

Sidewalk

18" S/S

15" S/S

15" S/S

18" S/S (To Remain)

℄ G.C.L. R/W

Exist. Fence

℄ LINE "A"

S-41

S-42

℄ SURVEY

200

℄ PROPOSED PROJECT

N 38° 42' 27.0" E

Scale: 1" = 20'

℄ S.C.L. R/W

MATCH EXIST. GRADES.

PAVT. TRANSITION TO PARKING LOT.

CONST. 46' OF 24" PIPE

CONST. 56' OF 24" PIPE

R/W Line

Exist. Fence

24" S/S

To Be Removed

51° 49' 50"

END CONSTRUCTION STATION 11+00

7

8

9

10

11

12

13

30" S/S

24" S/S (To Remain)

12" W.M.

MISSISSIPPI AVENUE — 12" W.M. — S 89° 27' 43" E

BEGIN CONSTRUCTION STATION 7+80

ADJUST MANHOLE TOP TO MEET GRADE

CONST. RAILROAD CROSSING TYPE "L" INDEX NO. 1466

199

1- Sty. Metal Shop.

N 38° 42' 27.0" E

N 38° 42' 27.0" E

STA. 9+17.32 ℄ MISSISSIPPI AVE. = STA. 198+78.85 LINE "A"

STA. 199+17.69 ℄ SURVEY = STA. 10+00.00 ℄ MISSISSIPPI AVE.

FOR SPECIAL PROFILES OF EDGE OF PAVEMENT SEE SHEET NO. _____

B.M. NO. 43 A
SQ. CUT IN CURB
S.E. COR. OF MISSISSIPPI AVE. AND CAROLINA AVE.
EL. 19.62

28
26
24
22
20
18

90' V.C.

BEGIN CONSTRUCTION STA. 7+80

P.C. (-2.5) EL. 20.02

0.00%

20.07

20.24

20.29

20.50

20.88

P.V.C.C. (+7.0) EL. 21.11

+2.42 11.7%

P.V.I. (+2.0) EL. 22.32

21.38

-1.1389.7%

END CONSTRUCTION STATION 11+00

2.133

2.168

2.193

2.185

P.V.T. (-4.0) EL. 21.75

100' V.C.

P.V.I. (+2.6) EL. 20.03

Existing Manhole

S-41

S-42

12" W.M.

CONST. 46' OF 24" PIPE

CONST. 56' OF 24" PIPE

F.L. 13.4

F.L. 13.5

F.L. 14.2

P.V.I. (+0.0) EL. 20.27 NO V.C.

12" W.M.

2003

20.02

+50 20.02

+75 20.13

20.99

+50 21.16

22.95

+50 21.81

20.27

+50 19.57

+75 19.38

19.23

7

8

9

10

11

12

13

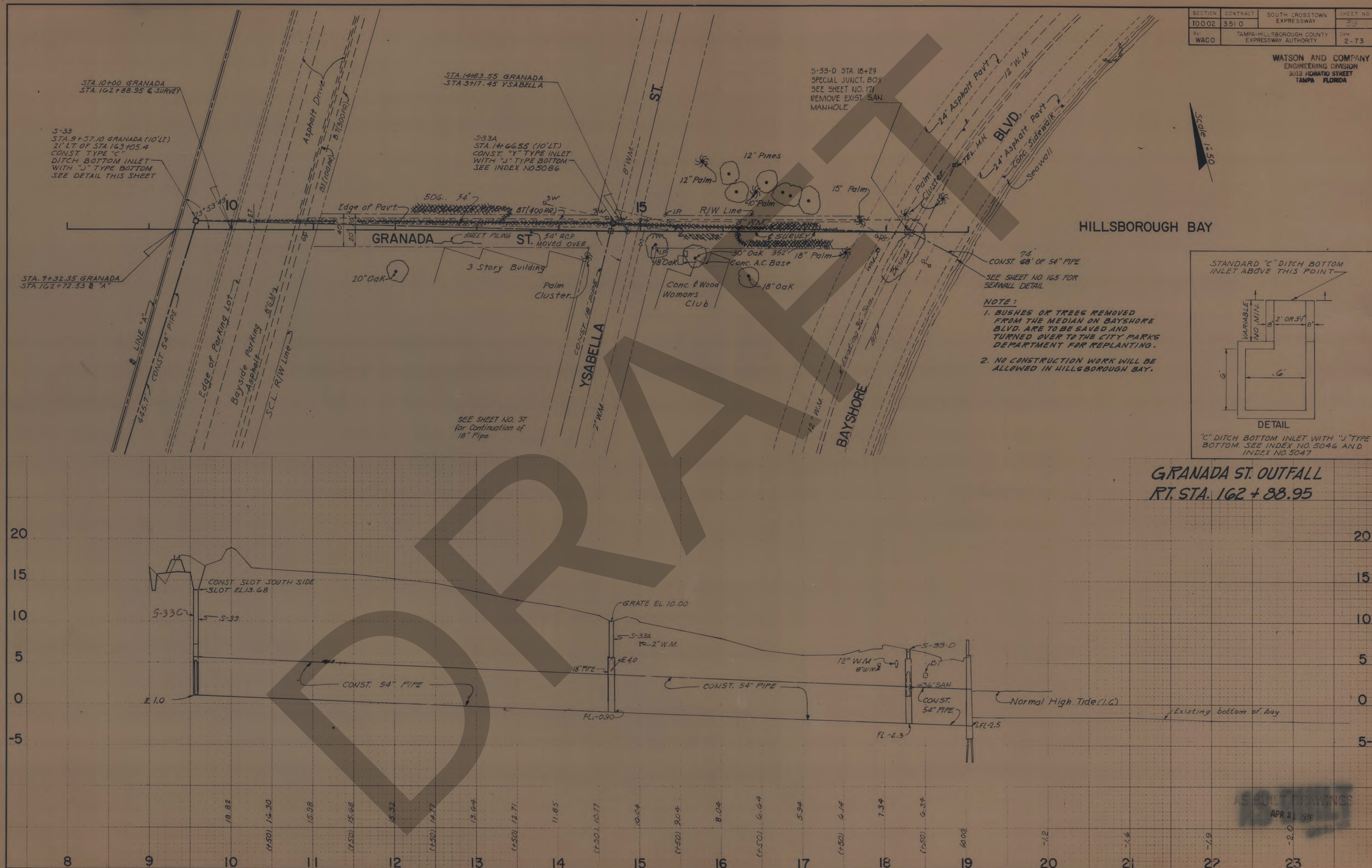
AS BUILT
APR 21 1976

84
1

Contract Nos. 3A & 3B.

SECTION	CONTRACT	SOUTH CROSSTOWN EXPRESSWAY	SHEET NO.
10002	3510		33
By: WACO		TAMPA-HILLSBOROUGH COUNTY EXPRESSWAY AUTHORITY	Date: 2-73

WATSON AND COMPANY
ENGINEERING DIVISION
3013 HORATIO STREET
TAMPA FLORIDA



DRAFT

AS BUILT DRAWINGS
APR 21 1976

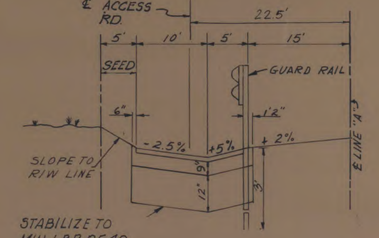
Contract Nos. 9A & 9B

SECTION	CONTRACT	SOUTH CROSSTOWN EXPRESSWAY	SHEET NO.
10002	3510		40
By: WACO		TAMPA-HILLSBOROUGH COUNTY EXPRESSWAY AUTHORITY	Date: 2-73

WATSON AND COMPANY
ENGINEERING DIVISION
3012 HORATIO STREET
TAMPA FLORIDA

S. MOODY AVE.
STA. 1+80.00 BEGIN CONST.
Asph. Pav't.
CONNECT TO EXIST. PAVT.
5' CURB TRANS.
S-44 STA. 2+00 CONST. INLET TYPE P-6
CONST. 52' OF 15" PIPE
S-43 STA. 2+00 CONST. INLET, TYPE P-6
CONST. 6" CURB, 1.5' GUTTER (BOTH SIDES)
8" G.M.
4" W.M.
INLET TO BE REMOVED
PC STA. 2+16.85
CURVE NO. 1 DATA
PI STA. 2+98.02
Δ = 10°06'04"
D = 14°00'00"
R = 409.26'
T = 36.17'
L = 72.15'
3' CURB TRANS. TO DROP CURB
CONST. DROP CURB
CURVE NO. 2 DATA
PI STA. 3+84.17
Δ = 12°30'04"
D = 14°00'00"
R = 409.26'
T = 44.83'
L = 89.29'
SCALE 1" = 20'
STA. 216+16.55 ℄ LINE "A"
STA. 24+37.22 ℄ HOWARD AVE.
CONST. R.R. CROSSING TYPE "L" FOR ADDITIONAL DETAILS SEE INDEX NO. 1466
(TO REMAIN) 18" RCP
MH TO REMAIN S-41-D
CONST. 24" PIPE
REMOVE INLET
S-45 STA. 214+00 (20' LT.) CONST. VALLEY INLET, TYPE VA
CONST. 118' OF 18" PIPE
ACCESS RD. N 38° 42' 27" E
8" G.M.
CONST. 204' OF 18" PIPE
DROP CURB (TYP.) 18"
CONST. 150' GUARD RAIL INDEX NO. 2300
STA. 215+15 END CONST.
CONST. 12.5 GUARD RAIL, INDEX NO. 2300 Q MOD
S-46 STA. 24+45 (20' LT.) HOWARD AVE. CONST. M.H. TYPE P-7
STA. 2+91.18 WATROUS
RETURN NO. 4
S-49 STA. 25+22.58 CONST. INLET, TYPE P-6
CONST. DROP CURB
CONST. 38' OF 15" PIPE
3-47 STA. 25+45 CONST. INLET, TYPE P-5
CONST. 6" CURB, 1.5' GUTTER
CONST. 18' OF 18" PIPE
N 00° 32' 27" E
STA. 217+00
JETTON AVE.
℄ R/W LINE
Asph. Pav't.
2" W.M.
CONNECT TO EXIST. PAVT.
RETURN NO. 5
S-48 STA. 25+59.37 CONST. INLET TYPE P-6 DROP CURB
4" Granite Curb
8" G.M.
12" W.M.
STA. 25+77.34 END CONST.
CONNECT TO EXIST. PAVT.
5' TRANSITION TO EXIST. CURB
CONST. 38' OF 18" PIPE (CLASS III) WITH STD. ENDWALLS & "U" TYPE WINGS INDEX NO. 200.
DROP CURB (TYP.)
3' CURB TRANS. (TYP.)
CONST. 10'x5' CONC. BOX CULVERT - SEE DETAIL SHEET "170"
N 38° 42' 27" E
NOTE: 10'x 18' BOX EXTENDER 28.0'
STA. 214+11 (20' RT.) LINE A CONST. STD. HEADWALL WITH "U" TYPE WINGS, INDEX NO. 200
STA. 214+58 (63' RT.) CONST. STD. HEADWALL "U" TYPE WINGS, INDEX NO. 200
STA. 213+27 (20' RT.) LINE A CONST. STD. HEADWALL WITH "U" TYPE WINGS INDEX NO. 200
STA. 213+14.53 ℄ LINE "A"
STA. 3+24.46 ℄ WATROUS AVE.
CONST. R.R. CROSSING TYPE "L" FOR ADDITIONAL DETAILS SEE INDEX NO. 1466
PT STA. 3+34.01
PC STA. 3+39.34
CONST. 6" CURB, 1.5' GUTTER BOTH SIDES
CONST. 84' 24" PIPE
CONST. 24' OF 15" PIPE
PT STA. 4+28.63
RETURN NO. 2
S-50 STA. 4+67.68 WATROUS AVE. CONST. INLET, TYPE P-6
CONST. 6" CURB, 1.5' GUTTER (BOTH SIDES)
CONNECT TO EXIST. 12" W.M.
FUTURE PIER LOCATION (TYP.)
HOWARD AVENUE
NEW 4" WATER MAIN
4" W.M.
℄ SURVEY
CONST. 230' OF 10'x 5' CONC. BOX CULVERT FLA. D.O.T. STANDARD INDEX NO. 8013 MOD.
4-6" ELECTRIC DUCTS FOR FUTURE USE
STA. 215+21.60 ℄ SURVEY
STA. 23+32.03 ℄ HOWARD AVE.
STA. 22+37.45 ℄ HOWARD AVE.
STA. 4+91.23 ℄ WATROUS AVE.
2 B.T. (100 & 200 PR.)
RETURN NO. 1
5' TRANSITION TO EXIST. CURB
STA. 21+57 BEGIN CONST.
P.I. STA. 22+76.01
RETURN NO. 3
5' TRANSITION TO EXIST. CURB
B.T. (600 PR.)
℄ R/W Line
CONNECT TO EXIST. PAVT.
STA. 5+50 END CONST.
4" Granite Curb
Asph. Pav't.
8" G.M.
SIDEWALK
12" W.M.
WATROUS AVE.
Asph. Pav't.
S 89° 55' 53" E
N 4° 30" E
213 214 215 216 217
20 21 22 23 24 25 26

NOTE; FOR SPECIAL PROFILES SEE SHEETS 41, 70, & 71



STABILIZE TO MIN. LBR. OF 40

LIMEROCK BASE (9" THICK, DOUBLE COURSE) PRIMED WITH TYPE S-1 ASPHALTIC CONCRETE SURFACE COURSE (3" THICK) BOTTOM LAYER (1½" THICK) TOP LAYER (1½" THICK)

SCALE 1"= 2' VERT. 1"= 10' HORIZ.

SECTION A-A

AS BUILT
APR 21 1976

NO.	REVISION	BY	DATE
1	ADDED 230' of 10'x 5' CONC. BOX CULVERT	JNC	4-25-74

TAMPA - HILLSBOROUGH COUNTY EXPRESSWAY AUTHORITY

SOUTH CROSSTOWN EXPRESSWAY

PLAN
HOWARD AVE. & WATROUS AVE.

J. E. GREINER COMPANY — WATSON & COMPANY
CONSULTING ENGINEERS TAMPA, FLORIDA

MADE S.P.	DATE 4/72	TRACED S.P.	DATE 4/72
CHECKED D.M.	DATE 4/72	SCALE 1"= 20'	

AS BUILT DRAWINGS
Contract Nos. 9A & 9B

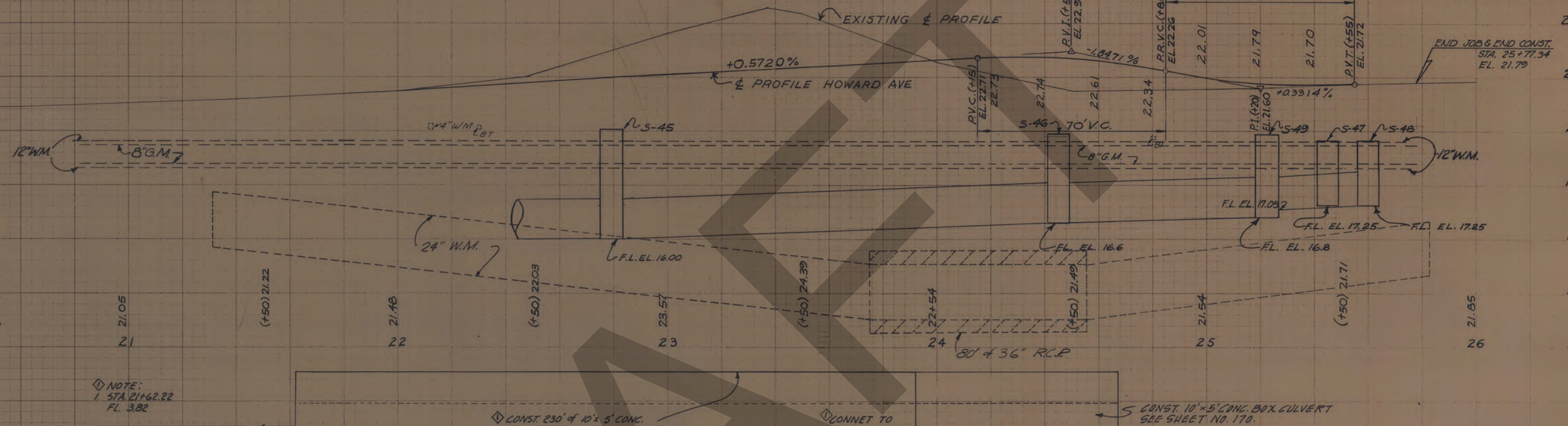
84
1

NO.	REVISION	BY	DATE
1	Added 230' of 10'x 5' CONC. BOX CULVERT	JNC	9-25-74

SECTION	CONTRACT	SOUTH CROSSTOWN EXPRESSWAY	SHEET NO.
10002	3510		41
By: WACO		TAMPA-HILLSBOROUGH COUNTY EXPRESSWAY AUTHORITY	Date: 2-73

WATSON AND COMPANY
ENGINEERING DIVISION
3013 HORATIO STREET
TAMPA FLORIDA

NOTE:
FOR SPECIAL PROFILES ON EDGES OF PAV'T
SEE SHEET NO 71



① NOTE:
1. STA 21+62.22
FL. 3.82

2. SEAL END OF CULVERT WITH 12" THICK BRICK WALL. COST OF BRICK WALL TO BE INCLUDED IN CONTRACT UNIT PRICE FOR CLASS "A" CONCRETE

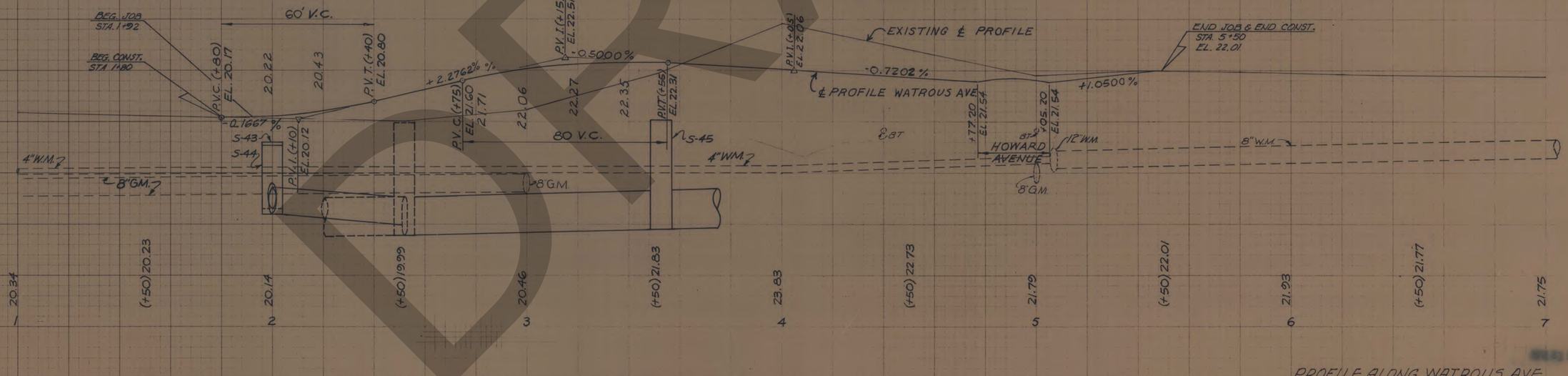
① CONST. 230' of 10'x 5' CONC. BOX CULVERT FLA. D.O.T. STANDARD INDEX NO. 8013 MOD.

① CONNET TO EXIST CULVERT.

5 CONST. 10'x5' CONC. BOX CULVERT SEE SHEET NO. 170.

PROFILE ALONG HOWARD AVE.

NOTE:
FOR SPECIAL PROFILES ON EDGES OF PAVT.
SEE SHEET NO. 70



PROFILE ALONG WATROUS AVE.

AS BUILT DRAWINGS
APR 21 1976
Contract Nos. 9A & 9B

84-1

DRAFT

SECTION	CONTRACT	SOUTH CROSSTOWN EXPRESSWAY	SHEET NO.
10002	3510		42
BY WACO		TAMPA-HILLSBOROUGH COUNTY EXPRESSWAY AUTHORITY	DATE 2-73

WATSON AND COMPANY
ENGINEERING DIVISION
5202 HOWARD STREET
TAMPA FLORIDA

Scale 1"=20'

2½" I.P. ON R/W
P.I. STA. 10+00.0
8" NAIL
9°24'02"
170°54'49"
108.52
½" I.P. ON R/W
77.18'
49.1'
47.2'
½" I.P. ON R/W
170°09'24"
10°03'50"
℄ SURVEY
3¼" I.P. ON R/W
½" I.P. ON R/W

ELETA ST.
Grass
Asphalt Pav't.
STA. 9+17.59 ℄ MORRISON = STA. 221+71.58 LINE "A"
℄ LINE "A"
STA. 222+10.05 ℄ SURVEY
P.I. STA. 10+00.00
℄ MORRISON
Δ = 0°57'17" RT.
NO CURVE
℄ SURVEY
223
EXISTING RAILS TO BE REMOVED
℄ EXPRESSWAY
S.C.L. R/W
+50.0
+60.0
+13.80
+20.60
+33.28
+40.08
℄ 18.1
R/W Line
B.T.
10' TAPER TO EXIST.
10" WM
7
8
9
10
11
12
13
S 89°13'31" E
Asph. Pav't.
+85.89
26.2
+49.29
52°04'02"
CONSTRUCT TYPE "D" CURB (TYPICAL, LT & RT)
CONNECT TO EXIST. PAV'T.
B.T.
CONNECT TO EXIST. PAV'T.
26.7
S.C.L. R/W
R/W Line
℄ SURVEY & ℄ CONST.
8" G.M.
MORRISON AVENUE
CONNECT TO EXIST. PAV'T.
DROP CURB (TYP.) 3' CURB TRANS. (TYP.)
222
S 88°16'14" E
℄ CONSTRUCTION
8" G.M.
℄ SURVEY
50'
23.9'
+141.58
+21.38
℄ 18.3
END CONST.. STA. 11+50.02 ℄ CONST. = STA. 11+50.00 ℄ SURVEY 2.50' LT.
R/W Line
R/W Line
BEGIN CONSTRUCTION STA. 8+30.00
CONST. R.R. CROSSING, TYPE "L" FOR ADDITIONAL DETAILS SEE INDEX NO. 1466
℄ 18.3
221
221
CONST. 88' OF 24" PIPE WITH STD. END WALLS AND "U" WINGS. SEE INDEX NO. 207
N 38°42'27.0"E
N 38°42'27"E
SO. ALBANY AVE.
MORRISON AVE.
28.0'
32.0'
25'

B.M. 39A-2
60d Nail in 18" Jacaranda Tree
15' Rt. STA. 7+25
EL. 23.24

B.M. NO. 39A
NAIL IN TEL. POLE
LT. STA. 9+00
EL. 23.81

FOR SPECIAL PROFILE ON EDGE OF PAVEMENT SEE SHEET NO. 72

B.M. 39A-1
Top S.W. Bolt on Fire Hydrant
14' Lt. STA. 12+20
EL. 24.77

END CONST. STA. 11+30.02
EL. 22.88

Existing Profile Grade
(+32) EL. 22.40
+1.1000%
P.V.I. (+48) 23.80
-0.7560%
PROPOSED PROFILE GRADE -0.2000%
P.V.C. (+7.32) 23.30 23.38
23.53
23.59
90' V.C.
23.58
P.V.T. (+63) 23.46
P.V.C. (+0.00) EL. 23.18 (NO V.C.)
8' G.M.Z.
48' G.M.Z.

22.33 22.48 22.72 23.06 23.77 24.49 24.82 24.29 23.47 22.88 22.78 22.55 22.55

AS BUILT DRAWINGS
APR 21 1976

Contract Nos. 3A & 3B

84/1

DRAFT

WATSON AND COMPANY
ENGINEERING DIVISION
3013 HORATIO STREET
TAMPA FLORIDA

SECTION	CONTRACT	SOUTH CROSSTOWN EXPRESSWAY	SHEET NO.
10002	3510		73
By: WACO	TAMPA-HILLSBOROUGH COUNTY EXPRESSWAY AUTHORITY		Date: 2-79

SCALE 1"=20'

CONNECT TO EXIST. PAV'T STA. 0+48.00
EXIST. 18" R.C.P. (TO REMAIN)
BEGIN CONSTRUCTION STA. 17+90.00
R/W LINE
(B.T. 100 PR & 400 PR)
5'Asphalt Sidewalk
Sidewalk (To be Removed)
CONST. 37' OF 15" PIPE SEE INDEX NO. 5061 FOR EXTRA BASE CONST. FOR CULVERTS WITH LESS THAN MIN. COVER
S-53 STA. 17+98. CONST. INLET, TYPE P-6. FL. EL. 16.90
S-54 STA. 17+98 CONST. INLET TYPE P-6 FL. EL. 16.70
S-55 STA. 18+75 (29'LT) CONST. M.H. (TYPE P7) FL. EL. 16.5
FREMONT AVE.
13.3' 13.3'
TRANSITION 3' TO MATCH EXISTING CURB.
Dirt Drive
S.C.L. R/W
S-56 STA. 238+83 (26'LT) CONST INLET (TYPE "H") FL. 14.00 GRATE EL. 17.44 CONST. SLOT IN N.E. SIDE
CONST. 56' OF 30" CLASS II PIPE
CONST. 18' OF 19"X30" PIPE
FL. EL. 14.5 RETURN NO. 2
RETURN NO. 1
FL. EL. 15.8
CONST. 76' OF 18" PIPE
To be Removed
DROP CURB (TYP.) 3 CURB TRANS. (TYP.)
S-57 STA. 239+15 (21'RT.) CONST. INLET (TYPE "H") FL. EL. 13.9 GRATE EL. 17.46 CONST. SLOT IN N.E. SIDE
EXISTING RAILS TO BE REMOVED
CONST. 168' OF 30" PIPE
FUTURE PIER LOCATION (TYP.)
S-58 STA. 21+51 (50'LT) SWANN CONST. MANHOLE (TYPE P-7) FL. EL. 13.6
STA. 21+79 (50'LT) SWANN CONST. STD. ENDWALL INDEX NO. 200 FL. EL. 13.5
CONST. 28' OF 30" PIPE
END CONSTRUCTION STA. 22+00.01 & CONST. STA. 22+00.00 (1.45' RT. OF ℄ SURVEY)
PLUG 24" PIPE AT R/W LINE (B.T. (1200 PR)
(TO REMAIN) 24" R.C. Pipe
(To be Removed) 24" R.C. Pipe
CONST. 8" CURB, 1.5" GUTTER
92 ° F 18" CONCRETE
6 Way Duct
CONNECT TO EXIST. PAVEMENT
San M.H.
8" San.
℄ OF CONSTRUCTION S 89°27'3.6"E
℄ OF SURVEY N 89°02'08.2"E
℄ OF SURVEY & CONSTRUCTION. CONNECT TO EXIST. PAVEMENT.
S 89°02'08.2" E
SWANN AVENUE
8" W.M.
54°26'16" T.C.
D.P.I. STA 238+00 EL 17.03 (LINE "A")
CONST. 8" CURB, 1.5" GUTTER
90°23'30"
CONNECT TO EXIST PAV'T
4' Asph. Sidewalk (To be Removed)
6' Conc. Sidewalk
R/W LINE
TRANSITION 3' TO MATCH EXISTING CURB.
18" C.M.P.
CONST. 2' BW DITCH AT 0.14 %
D.P.I. STA 239+00 (GO'RT) (LINE "A") EL. 16.80
℄ DITCH
STA. 237+70 LINE "A" (26'LT.) CONST. STD. ENDWALL WITH 'V' TYPE WINGS SEE INDEX NO. 200 FL. EL. 16.4
S-58 A STA. 239+05 (160'RT.) OF LINE "A" CONST. INLET (TYPE 'C') GRATE EL. 17.76 FL. EL. 15.0
PACKWOOD AVE.
2" W.M.
Asphalt Path
Brick
6' Conc. Sidewalk
STA. 19+19.77 SWANN AVE. STA. 238+39.43 LINE 'A'
P.I. STA. 20+00.00 SWANN AVE. Δ = 0° 24' 55.4" LT. (NO. CURVE) = STA. 238+76.05 ℄ OF SURVEY
STA 238+50 (GO'RT) D.P.I. EL. 17.50
FOR SPECIAL EDGES OF PAV'T PROFILES SEE SHEET NO. 73
SWANN AVE.
B.M.C. 36-1
Sq. Cut on top of Curb
20' RT. STA. 22+53
EL. 17.87
B.M.C. 36-2
Sq. Cut in top of Curb
20' RT. STA. 17+50
EL. 20.21

BEGIN CONSTRUCTION STA. 17+90
80' V.C.
P.V.C. (+90) EL. 20.13
P.V.I. (+30) EL. 19.95
P.V.T. (+70) EL. 20.04
20.09 20.26 20.53
-0.2000%
+1.9000%
P.V.I. (+210) EL. 21.66
P.V.C. (+10) EL. 19.64
P.V.T. (+90) EL. 18.95
19.77 19.51 19.26 19.02
-1.9077%
-0.5800%
℄ PROFILE SWANN AVE.
EXISTING ℄ PROFILE.
S-53, S-54 INLET (TYPE P-6) INDEX NO. 5047
S-55 M.H. (TYPE P-7) INDEX NO. 5047
S-58 M.H. (TYPE P-7) INDEX NO. 5047
END CONSTRUCTION STA. 22+00.01 EL. 18.31
CONST. 15" PIPE
CONST. 18" PIPE
CONST. 24" PIPE
18" Storm Sewer
CONST. 6'-4.30 PIPE
Existing 2" W.M.
Existing 8" W.M.
FL. EL. 16.90
FL. EL. 16.7
FL. EL. 16.3
FL. EL. 16.4
FL. EL. 15.8
FL. EL. 14.9
FL. EL. 14.0
S-56 INLET (TYPE "H") INDEX NO. 5046
S-57 INLET (TYPE "H") INDEX NO. 5046
EXIST. 8" W.M.
CONST. 30" PIPE
FL. EL. 14.5
FL. EL. 13.9
P.V.I. (+30) EL. 19.18
S-58A INLET (TYPE "C")
B.T.
FL. 15.0
STD. ENDWALL INDEX NO. 200
San M.H.
CONST. 18" PIPE
CONST. 30" PIPE
Existing 8" W.M.
FL. EL. 14.6
FL. EL. 13.6
FL. EL. 13.5
8" San. Sewer
20.11 20.88 20.11 20.18 20.11 20.80 20.71 P.V.T. (+70)
100' V.C.
20.36 20.17 20.01 19.93 20.13 21.73 22.47 21.81 20.34 19.19 18.31 17.90 17.75
+50 +50 +50 +50
17 18 19 20 21 22 23
28 26 24 22 20 18 16 14

AS BUILT DRAWINGS APR 81 1979

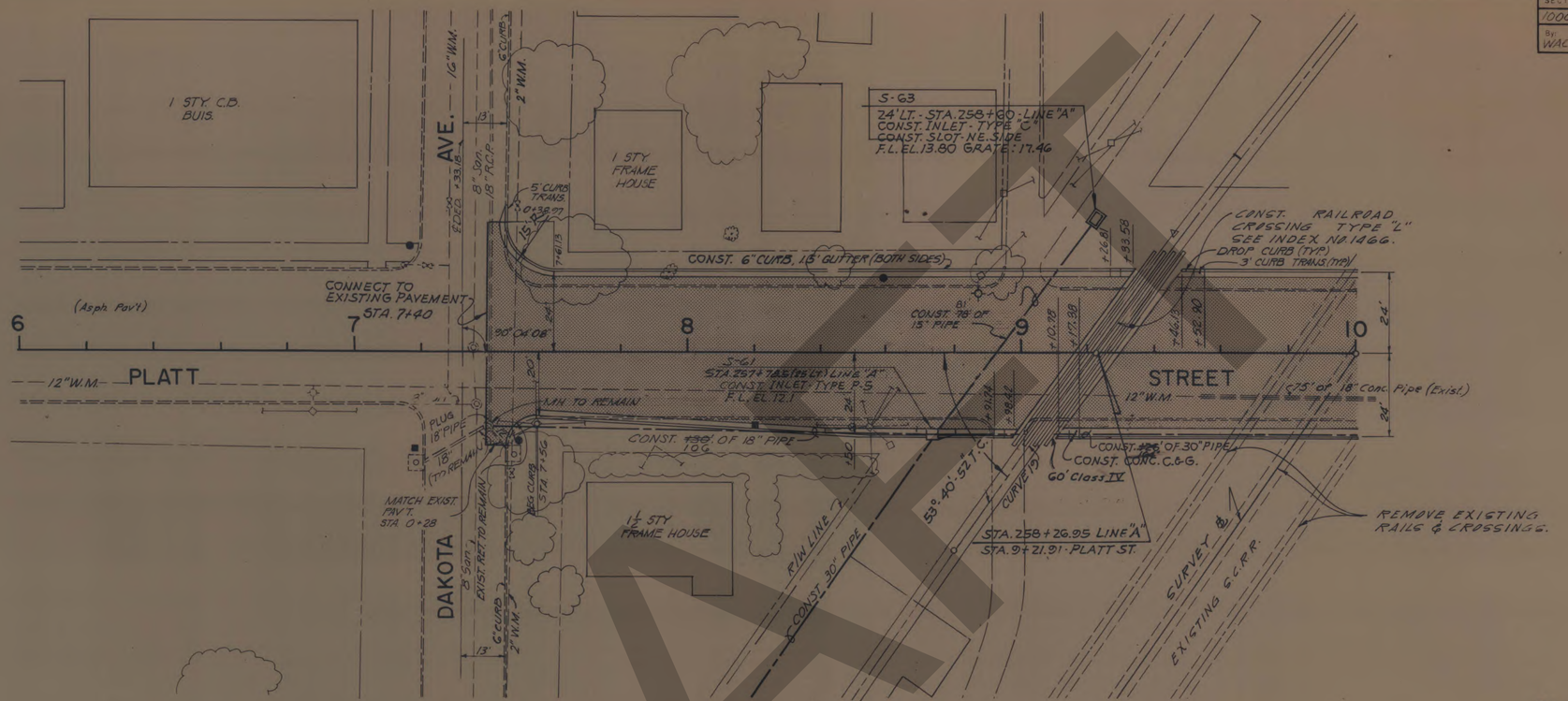
Contract Nos. 9A & 9B

84-1

SECTION	CONTRACT	SOUTH CROSSTOWN EXPRESSWAY	SHEET NO.
10002	3510		44
By: WACO	TAMPA-HILLSBOROUGH COUNTY EXPRESSWAY AUTHORITY		Date: 2-73

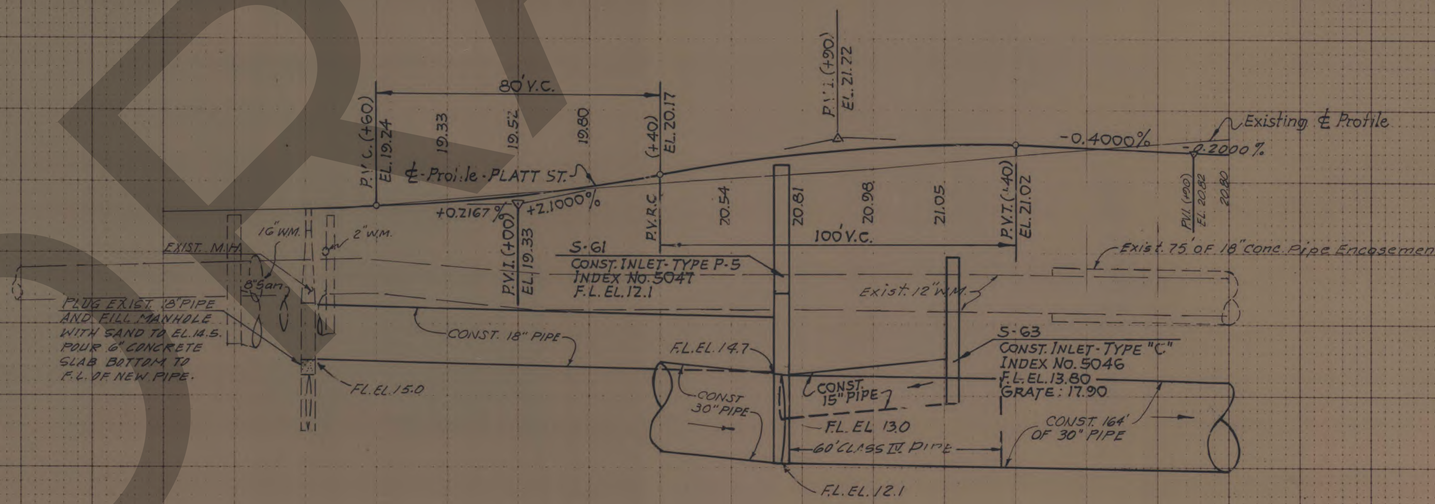
WATSON AND COMPANY
ENGINEERING DIVISION
3013 HORATIO STREET
TAMPA FLORIDA

SCALE 1"=20'



PLATT STREET

NOTE:
FOR SPECIAL PROFILES
SEE SHEET NO. 74



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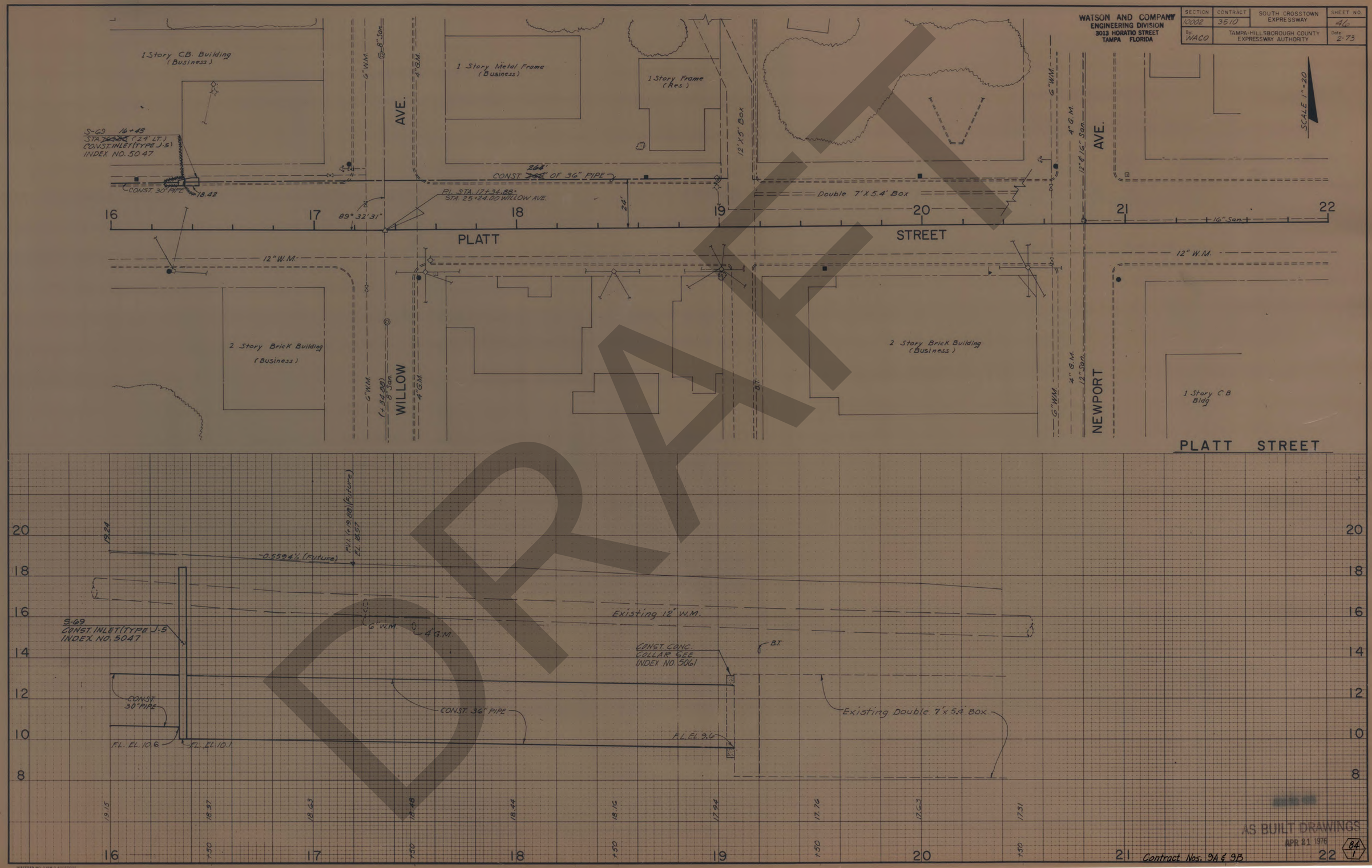
AS BUILT DRAWINGS
APR 21 1975

Contract Nos. 9A & 9B

64/1


SECTION 10002
CONTRACT 3510
SOUTH CROSSTOWN EXPRESSWAY
SHEET NO. 45
By: WACO
TAMPA-HILLSBOROUGH COUNTY EXPRESSWAY AUTHORITY
Date: 2-73
WATSON AND COMPANY
ENGINEERING DIVISION
3013 HORATIO STREET
TAMPA FLORIDA
Scale 1"=20'
1 Story C.B. Building
REMOVE EXISTING RAILS AND CROSSINGS
S.C.R.R. SURVEY ℄ N 35° 42' 01.8" E
13 KV. Elect.
B.T. 600 PR.
2-B.T. 200 & 100 PR.
S.C.R.R. R/W Line
AVE.
8" W.M.
S-67 STA. 11+48 (24' LT.)
CONST. INLET (TYPE P-5)
INDEX NO. 5047
19.88
2" W.M.
R/W Line
CONST. 238' OF 30" PIPE
Sign
S-68 STA. 13+90 (24' LT.)
CONST. INLET (TYPE P-5)
INDEX NO. 5047
19.40
PLACED 142' - 6" UNDERDRAIN TO REPLACE 6" SEWER (STILL ALIVE)
250'
CONST. 242' OF 30" PIPE
STA. 10+60 - END CONST. OF PAVEMENT
CONST. 64' OF 30" PIPE
CONST. TEMP CONNECTION TO EXISTING PAVEMENT
12" W.M.
19.98
CONST. 30" PIPE
CONST. 6" CURB, 15' GUTTER (BOTH SIDES)
STA. 10+30 END TEMPORARY PAVEMENT
S-62 STA. 11+00 (24' RT.)
CONST. INLET (TYPE P-5)
INDEX NO. 5047
1 Story C.B. Building
8" San.
OREGON
ORLEANS
1 Story Frame Res.
PLATT STREET
10
11
12
13
14
15
16
END CONST. STA. 10+60 EL. 20.68
CONNECT TO EXIST. PAV'T STA. 10+65
EXIST. ℄ GRADE
-0.2000%
WARP GRADE
S-62 CONST. INLET (TYPE P-5) INDEX NO. 5047
-0.2000% (Future)
-0.5594% (Future)
Future P.V.I. EL. 19.80
Exist. 12" W.M.
8" W.M.
13 KV. Elect.
Tel.
Exist 75' OF 18" Conc. Pipe Encasement
S-67 CONST. INLET (TYPE P-5) INDEX NO. 5047
S-68 CONST. INLET (TYPE P-5) INDEX NO. 5047
CONST. 30" PIPE
F.L. EL. 11.7
F.L. EL. 11.5
F.L. EL. 11.1
21.21
20.75
20.42
20.37
20.27
20.16
20.07
20.00
19.95
19.82
19.64
19.40
19.15
+50
22
20
18
16
14
12
10
AS BUILT DRAWINGS
APR 21 1976
Contract Nos. 9A & 9B
84
1
DRAFT


WATSON AND COMPANY
ENGINEERING DIVISION
3013 HORATIO STREET
TAMPA FLORIDA
SECTION 10002
CONTRACT 3510
SOUTH CROSSTOWN EXPRESSWAY
SHEET NO. 46
By: WACO
TAMPA-HILLSBOROUGH COUNTY EXPRESSWAY AUTHORITY
Date: 2-73
1 Story C.B. Building (Business)
1 Story Metal Frame (Business)
1 Story Frame (Res.)
S-69 16+48
STA. (24' LT.)
CONST. INLET (TYPE J-5)
INDEX NO. 5047
CONST. 30" PIPE
18.42
CONST. 264' OF 36" PIPE
P.I. STA. 17+34.88=
STA. 25+24.00 WILLOW AVE.
89° 32' 31"
24'
12'X5' Box
Double 7'X5.4' Box
12"X16" San.
16" San.
SCALE 1"=20
PLATT STREET
12" W.M.
2 Story Brick Building (Business)
WILLOW AVE.
NEWPORT AVE.
1 Story C.B. Bldg
PLATT STREET
-0.5594% (Future)
P.V.I. (+19.88) (Future)
EL. 18.57
Existing 12" W.M.
S-69
CONST. INLET (TYPE J-5
INDEX NO. 5047
CONST. CONC. COLLAR SEE INDEX NO. 5061
CONST. 30" PIPE
CONST. 36" PIPE
Existing Double 7'x5.4' Box
F.L. EL. 10.6
F.L. EL. 10.1
F.L. EL. 9.6
AS BUILT DRAWINGS
APR 21 1976
Contract Nos. 9A & 9B
84
1

CROSS SECTIONS

Scale 1 inch = 5 feet

WATSON AND COMPANY
ENGINEERING DIVISION
3013 HORATIO STREET
TAMPA FLORIDA

Fed. Road Divn. No.	State	County	Route	Proj. No.	Sheet No.
3	Fla.	HILLSBOROUGH		10002-3510	47A

EUCLID AVE. STATE JOB No. 10002-3510



AS BUILT DRAWINGS
APR 21 1976

Contract Nos. 9A & 9B

84
1

Application No.
Route No.
Original Plotted by
" Checked by
Template by
Area by
Finals Plotted by
" Checked by
Area by
" Checked by

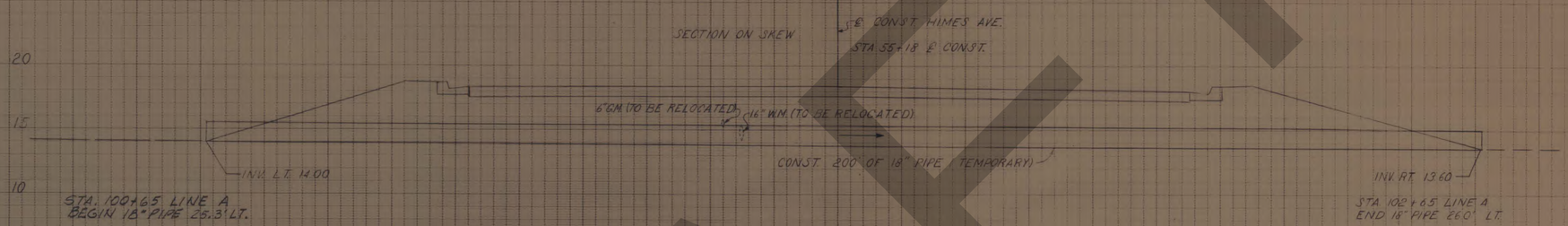
K&E CO. ORLANDO, FLA. ORDER STOCK ® 1004

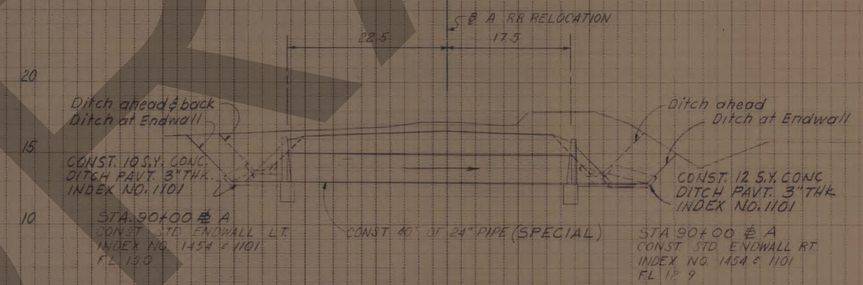
CROSS SECTIONS

Scale 1 inch = 3 feet Vert
1 inch = 10 feet Horiz

J. E. GREINER COMPANY, INC.
CONSULTING ENGINEERS TAMPA, FLORIDA

Fed. Road Distr. No.	State	County	Route	Proj. No.	Sheet No.
3	Fla.	HILLSBOROUGH	449		47





DRAFT

Application No. _____
Route No. _____
Original Plotted by _____
" Checked by _____
Template by _____
Area by _____
Finals Plotted by _____
" Checked by _____
Area by _____
" Checked by _____

AS BUILT DRAWINGS
APR 21 1976

DRAINAGE STRUCTURE SECTIONS

Contract Nos. 9A & 9B

84
1

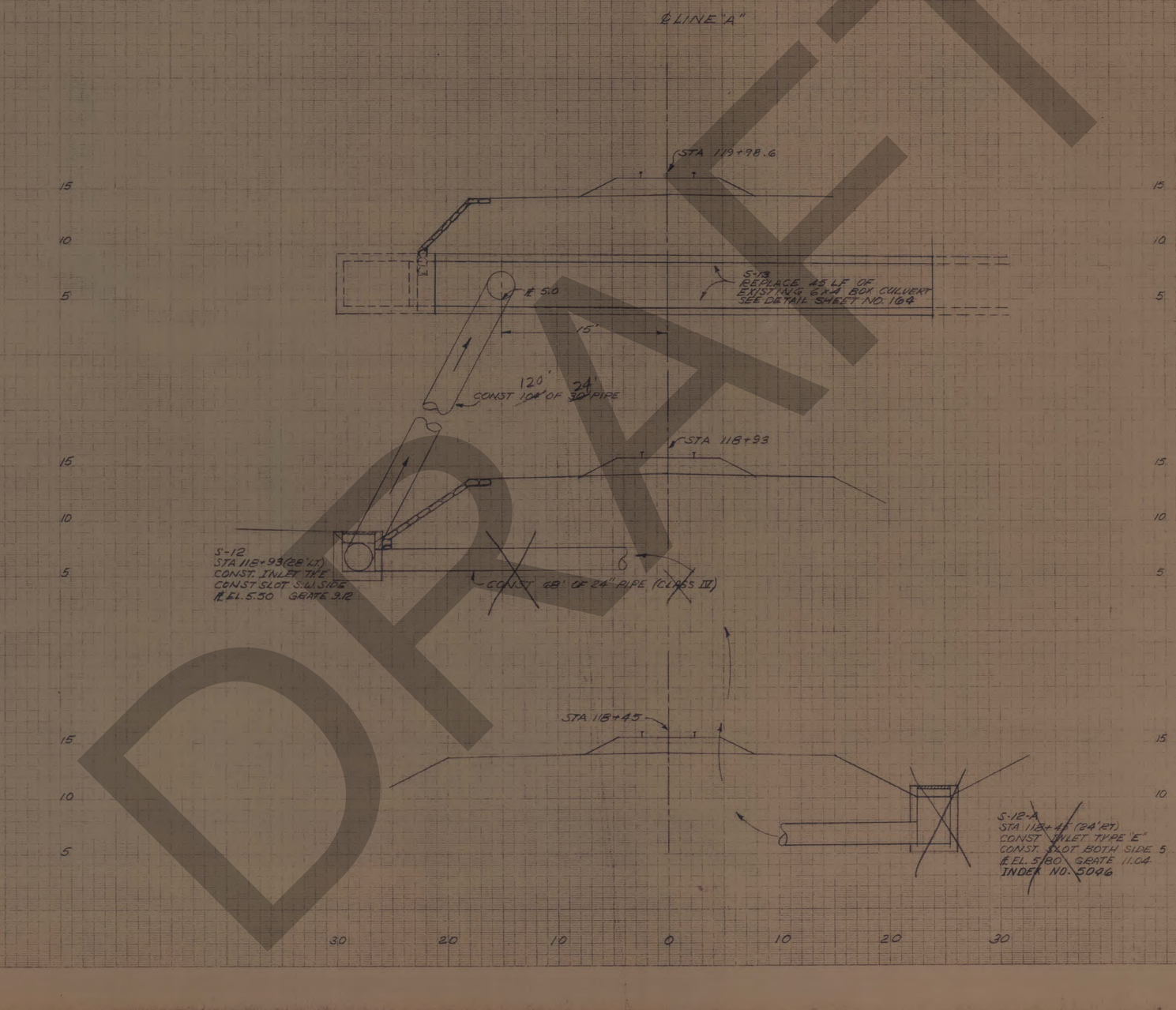
CROSS SECTIONS

Scale 1 inch = 5 feet

WATSON AND COMPANY
ENGINEERING DIVISION
3013 HORATIO STREET
TAMPA FLORIDA

Fed. Road Dem. No.	State	County	Route	Proj. No.	Sheet No.
3	Fla.	HILLSBOROUGH		10002-3510	48

STATE JOB No. 10002 3510



DRAFT

AS BUILT DRAWINGS
APR 21 1976

Application No. ____
Route No. ____
Original Plotted by ____
" Checked by ____
Traced by ____
Area by ____
Final Plotted by ____
" Checked by ____
Area by ____
" Checked by ____

A. N. GOODWELL
JACKSONVILLE, FLA.

Contract Nos. 9A & 9B

84
1

CROSS SECTIONS

Scale 1 inch = 5 feet

WATSON AND COMPANY
ENGINEERING DIVISION
8013 HORATIO STREET
TAMPA FLORIDA

Fed. Road Distr. No.	State	County	Route	Proj. No.	Sheet No.
3	Fla.	HILLSBOROUGH		10002-3510	49

EL PRADO BLVD. STATE JOB No. 10002-3510



DRAFT

Application No.
Route No.
Original Plotted by
" Checked by
Template by
Area by
Finals Plotted by C.W.S.
" Checked by
Area by
" Checked by

K&E CO. ORLANDO, FLA. ORDER STOCK # 1004

AS BUILT DRAWINGS
APR 21 1976

Contract Nos. 3A & 3B

84
1

Scale: 1" = 5'

SECTION	CONTRACT	SOUTH CROSSTOWN EXPRESSWAY	SHEET NO.
10002	3510		50
By: WACO	TAMPA-HILLSBOROUGH COUNTY EXPRESSWAY AUTHORITY		Date: 9-24-73

NO.	REVISION	BY	DATE
1.	DRAINAGE STRUCTURE SYSTEM 5-20, 5-21, 5-22, 5-23	JNC	9-19-73

FINAL SURVEY — SURVEYED, PLOTTED, TEMPLATE, AREAS, AREAS CHECKED — BY — DATE — NOTE BOOK — NO.

ORIGINAL SURVEY — SURVEYED, PLOTTED, TEMPLATE, AREAS, AREAS CHECKED — BY — DATE — NOTE BOOK — NO.



DRAFT

AS BUILT
APR 21 1976

CROSS SECTIONS

Scale 1 inch = 5 feet

WATSON AND COMPANY
ENGINEERING DIVISION
3013 HORATIO STREET
TAMPA FLORIDA

Fed. Road Dem. No.	State	County	Route	Proj. No.	Sheet No.
8	Fla.	HILLSBOROUGH		10002-3510	57

MACDILL AVE. STATE JOB No. 10002-3510



Application No.	
Route No.	
Original Platted by	
" Checked by	
Template by	
Area by	
Finals Platted by	
" Checked by	
Area by	
" Checked by	

A. R. COGSWELL
JACKSONVILLE, FLA.

AS BUILT DRAWINGS
APR 21 1958

Contract Nos. 9A & 9B

CROSS SECTIONS

Scale 1 inch = 5 feet

WATSON AND COMPANY
ENGINEERING DIVISION
3013 HORATIO STREET
TAMPA FLORIDA

Fed. Road Dist. No.	State	County	Route	Proj. No.	Sheet No.
8	Fla.	HILLSBOROUGH		10002-3510	52

BAY TO BAY BLVD. STATE JOB No. 10002-3510



Application No. _____
Route No. _____
Original Plotted by _____
" Checked by _____
Template by _____
Area by _____
Finals Plotted by _____
" Checked by _____
Area by _____
" Checked by _____

A. B. COGSWELL
JACKSONVILLE, FLA.

AS BUILT DRAWINGS
APR 21 1976

Contract Nos. 3A & 3B

84
1

CROSS SECTIONS

Scale 1 inch = 5 feet

WATSON AND COMPANY
ENGINEERING DIVISION
3013 HORATIO STREET
TAMPA, FLORIDA

Fed. Road Divn. No.	State	County	Route	Proj. No.	Sheet No.
3	Fla.	HILLSBOROUGH		10002-3510	53

BAY TO BAY BLVD. STATE JOB NO. 10002-3510



DRAFT

Application No.
Route No.
Original Platted by:
" Checked by:
Template by:
Area by:
Finals Platted by: C.W.S.
" Checked by:
Area by:
" Checked by:

K&E CO. ORLANDO, FLA. ORDER STOCK @ 1964

AS BUILT DRAWINGS
APR 21 1976

Contract Nos. 9A & 9B.

84/1

CROSS SECTIONS

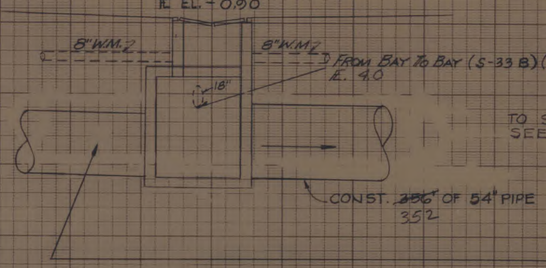
Scale 1 inch = 5 feet

WATSON AND COMPANY
ENGINEERING DIVISION
3013 HORATIO STREET
TAMPA - FLORIDA

Fed. Road Distr. No.	State	County	Route	Proj. No.	Sheet No.
3	Fla.	HILLSBOROUGH		10002-3510	54

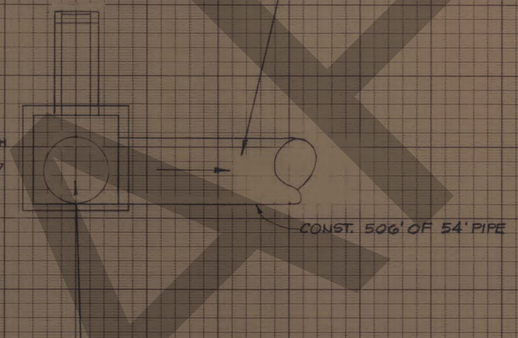
STATE JOB No. 10002-3510

S-33-A
STA. 14+66.55 (10' LT.) (GRANADA)
CONST. INLET TYPE 'Y' WITH
TYPE 'J' (ALT. A) BOTTOM
INDEX No. 5086 & 5047
GRATE EL. 10.0
FL. EL. + 0.90

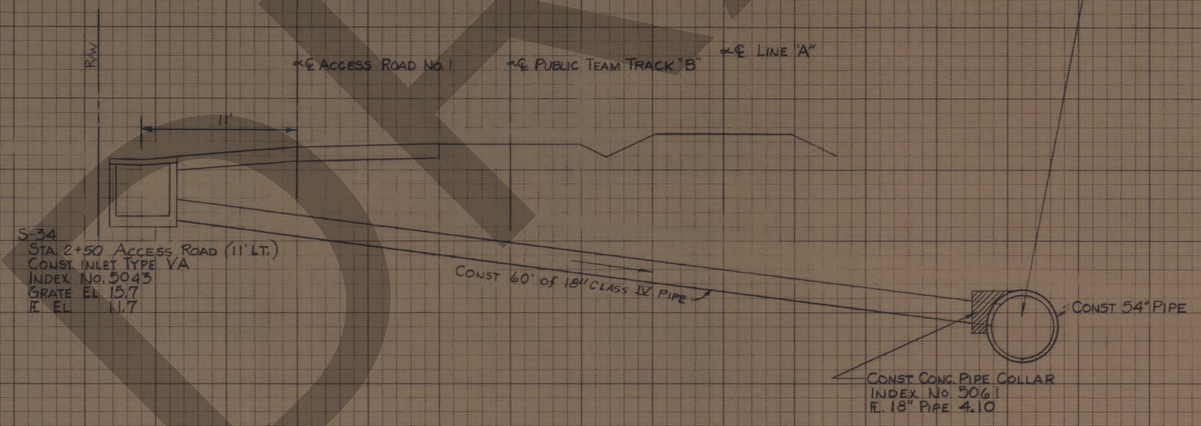


IDENTICAL

S-33
STA. 9+57.10 GRANADA
CONST. INLET TYPE "C" WITH
TYPE J (ALT. A) BOTTOM
INDEX No's. 5046 & 5047
FL. EL. 1.0
GRATE EL. 14.63



IDENTICAL



S-34
STA. 2+50 ACCESS ROAD (11' LT.)
CONST. INLET TYPE VA
INDEX No. 5043
GRATE EL. 13.7
FL. EL. 11.7

Application No.
Route No.
Original Plotted by
" Checked by
Template by
Area by
Finals Plotted by C.W.S.
" Checked by
Area by
" Checked by

K&E CO. ORLANDO, FLA. ORDER STOCK # 1004

DRAFT

AS BUILT DRAWINGS
APR 21 1976

Contract Nos. 9A & 9B

84
1

CROSS SECTIONS

Scale 1 inch = 5 feet

WATSON AND COMPANY
ENGINEERING DIVISION
8013 HORATIO STREET
TAMPA FLORIDA

Fed. Road Dem. No.	State	County	Route	Proj. No.	Sheet No.
3	Fla.	HILLSBOROUGH		10002-3510	55



Application No. _____
Route No. _____
Original Plotted by _____
" Checked by _____
Template by _____
Area by _____
Finals Plotted by _____
" Checked by _____
Area by _____
" Checked by _____

A. R. COGSWELL
JACKSONVILLE, FLA.

AS BUILT DRAWINGS
APR 21 1976

Contract Nos. 9A & 9B

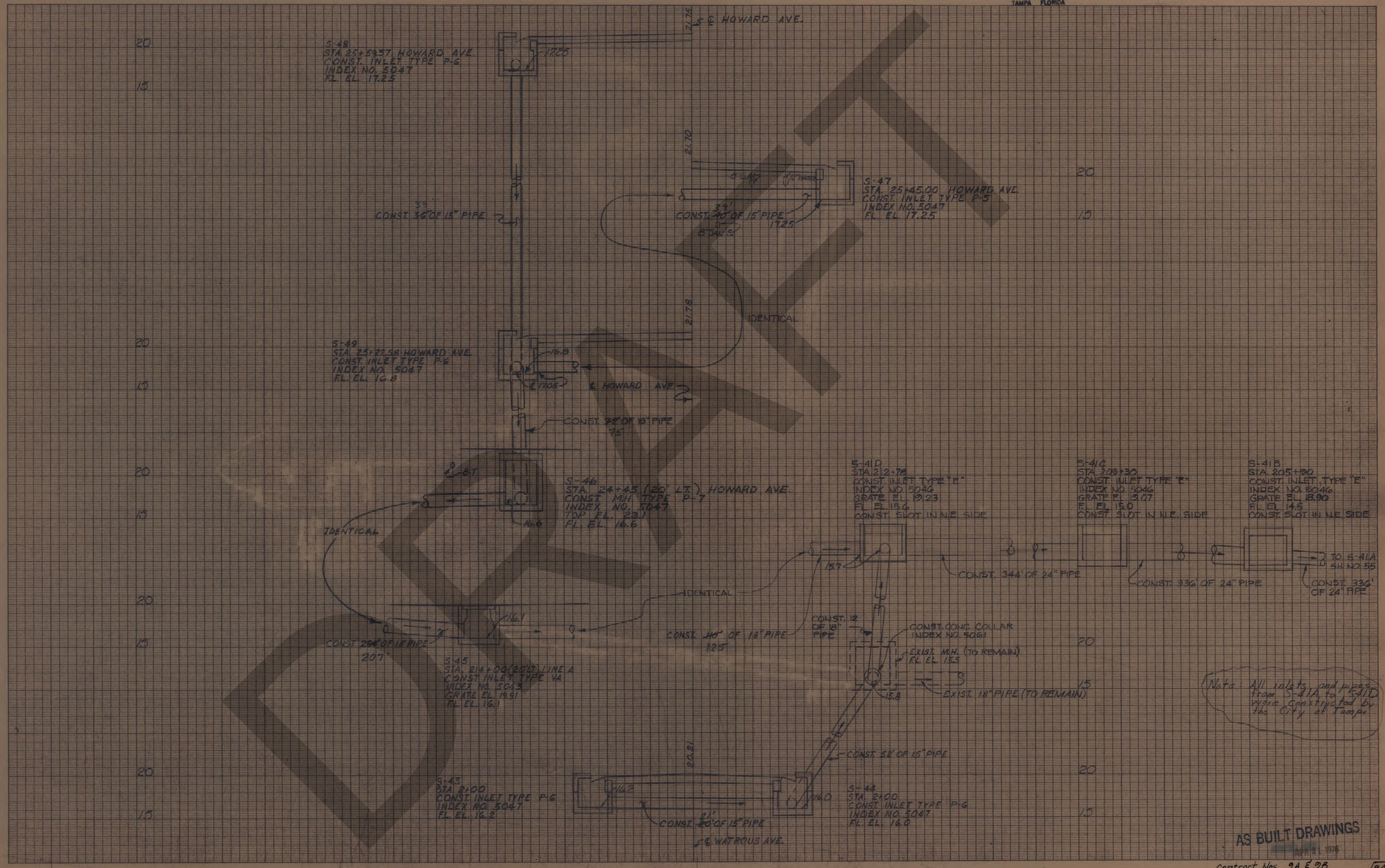
34
1

CROSS SECTIONS

Scale 1 inch = 5 feet

WATSON AND COMPANY
ENGINEERING DIVISION
3013 HORATIO STREET
TAMPA FLORIDA

Fed. Road Dem. No.	State	County	Route	Proj. No.	Sheet No.
8	Fla.	HILLSBOROUGH		10002-3510	56



Application No. _____
Route No. _____
Original Plotted by _____
" Checked by _____
Template by _____
Area by _____
Finals Plotted by _____
" Checked by _____
Area by _____
" Checked by _____

A. R. COGSWELL
JACKSONVILLE, FLA.

Contract Nos. 9A & 9B

84
1

CROSS SECTIONS

Scale 1 inch = 5 feet

WATSON AND COMPANY
ENGINEERING DIVISION
3013 HORATIO STREET
TAMPA FLORIDA

Fed. Road Distr. No.	State	County	Route	Proj. No.	Sheet No.
3	Fla.	HILLSBOROUGH		10002-3510	37



Application No.
Route No.
Original Plotted by
" Checked by
Template by
Area by
Final Plotted by
" Checked by
Area by
" Checked by

A. R. COGSWELL
JACKSONVILLE, FLA.

AS BUILT DRAWINGS
APR 21 1976

Contract Nos. 9A & 9B

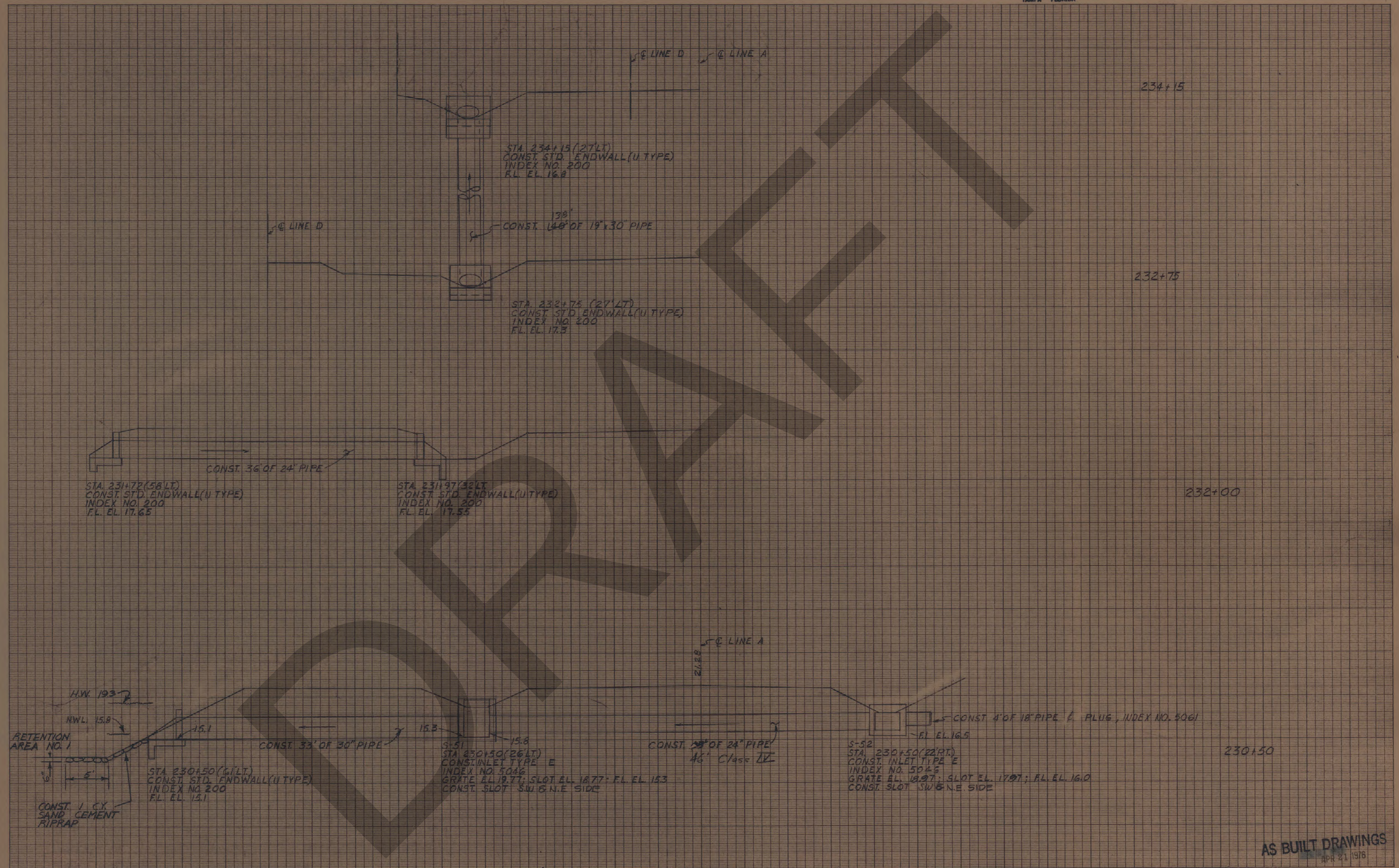
84
1

CROSS SECTIONS

Scale 1 inch = 5 feet

WATSON AND COMPANY
ENGINEERING DIVISION
3013 HORATIO STREET
TAMPA FLORIDA

Fed. Road Distr. No.	State	County	Route	Proj. No.	Sheet No.
3	Fla.	HILLSBOROUGH		10002-3510	58



Application No. _____
Route No. _____
Original Plotted by _____
" Checked by _____
Template by _____
Area by _____
Finals Plotted by _____
" Checked by _____
Area by _____
" Checked by _____

A. R. COGSWELL
JACKSONVILLE, FLA.

AS BUILT DRAWINGS
APR 21 1976

Contract Nos. 9A & 9B

84
1

CROSS SECTIONS

Scale 1 inch = 5 feet

WATSON AND COMPANY
ENGINEERING DIVISION
3013 HORATIO STREET
TAMPA FLORIDA

Fed. Road Dsm. No.	State	County	Route	Proj. No.	Sheet No.
8	Fla.	HILLSBOROUGH		10002-3510	59



Application No. _____
Route No. _____
Original Plotted by _____
" Checked by _____
Template by _____
Area by _____
Finals Plotted by _____
" Checked by _____
Area by _____
" Checked by _____

A. R. COGSWELL
JACKSONVILLE, FLA.

AS BUILT DRAWINGS
APR 21 1976

Contract Nos. 9A & 9B

84
1

CROSS SECTIONS
Scale 1 inch = 5 feet

NO.	REVISION	BY	DATE
1	STA. 245+00 EXTENDED SEC.	JNC	7-29-74

WATSON AND COMPANY
ENGINEERING DIVISION
3013 HORATIO STREET
TAMPA FLORIDA

Fed. Road Dirn. No.	State	County	Route	Proj. No.	Sheet No.
3	Fla.	HILLSBOROUGH		10002-3510	60



DRAFT

Application No. ____
Route No. ____
Original Plotted by ____
" Checked by ____
Template by ____
Area by ____
Finals Plotted by ____
" Checked by ____
Area by ____
" Checked by ____

A. R. COGSWELL
JACKSONVILLE, FLA.

AS BUILT DRAWINGS
APR 21 1976

Contract Nos. 9A & 9B

84
1

CROSS SECTIONS

Scale 1 inch = 5 feet

NO.	REVISION	BY	DATE
1	24 Pipe to Str. S-60	J.N.C.	7-9-74

WATSON AND COMPANY
ENGINEERING DIVISION
3013 HORATIO STREET
TAMPA FLORIDA

Fed. Road Distr. No.	State	County	Route	Proj. No.	Sheet No.
3	Fla.	HILLSBOROUGH		10002-3510	61



AS BUILT DRAWINGS
APR 21 1976

Contract Nos. 9A & 9B

34
1

Application No.	
Route No.	
Original Plotted by	
" Checked by	
Template by	
Area by	
Finals Plotted by	
" Checked by	
Area by	
" Checked by	

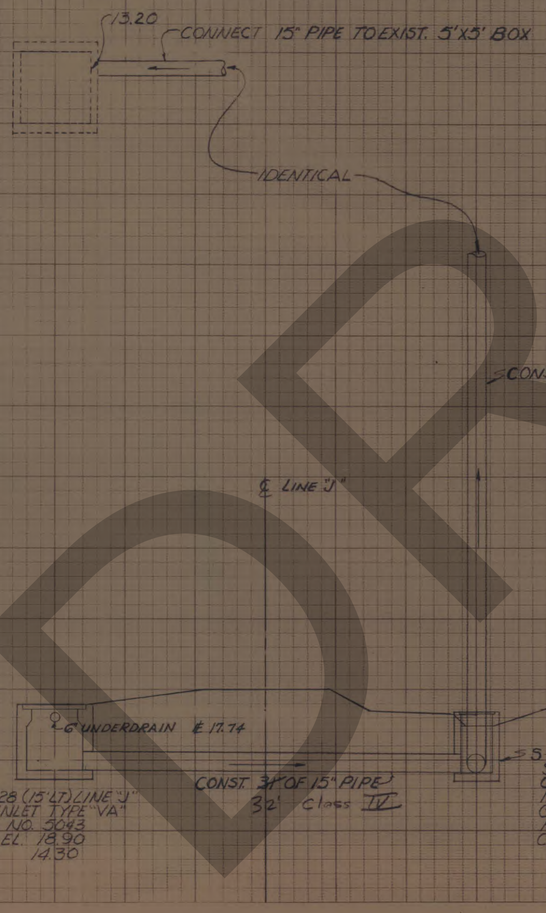
R. R. COGSWELL
JACKSONVILLE, FLA.

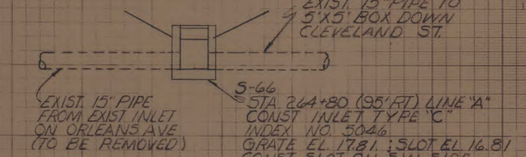
CROSS SECTIONS

Scale 1 inch = 5 feet

WATSON AND COMPANY
ENGINEERING DIVISION
3013 HORATIO STREET
TAMPA FLORIDA

Fed. Highway Div. No.	State	County	Route	Proj. No.	Sheet No.
3	Fla.	HILLSBOROUGH		10002-3510	62





DRAFT

Application No.
Route No.
Original Plotted by
" Checked by
Template by
Area by
Finals Plotted by
" Checked by
Area by
" Checked by

K&E CO. ORLANDO, FLA. ORDER STOCK # 1004

AS BUILT DRAWINGS
APR 21 1976

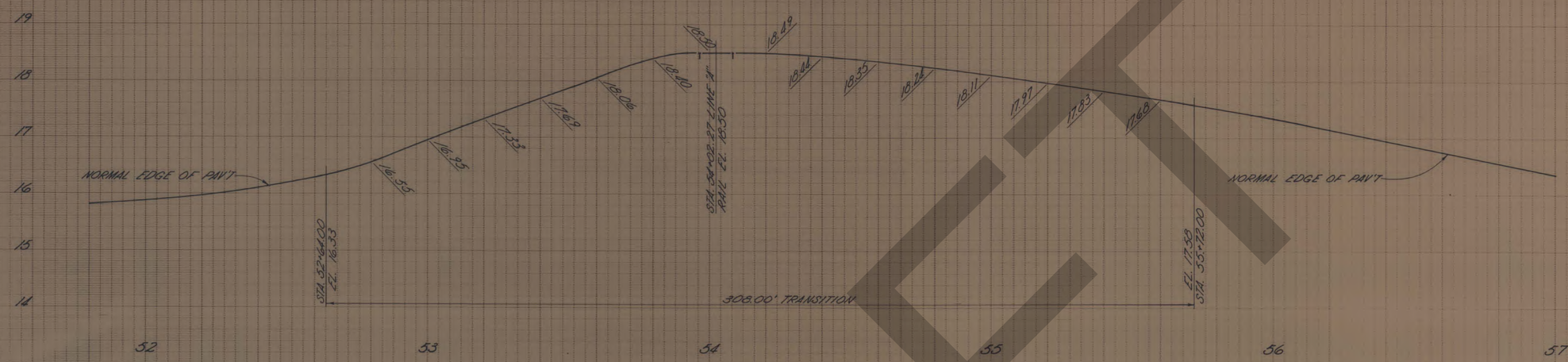
Contract Nos. 9A & 9B

84
1

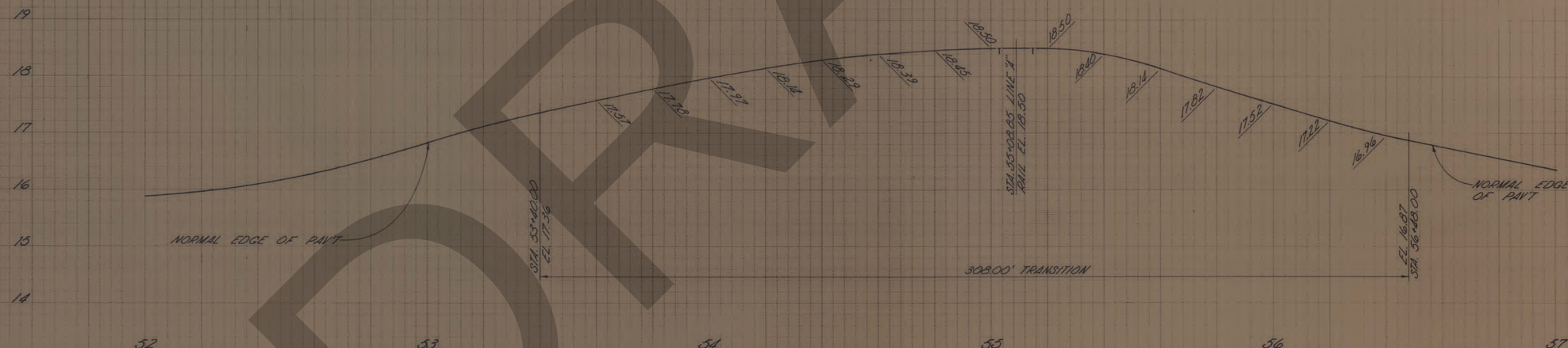
J. E. GREINER COMPANY, INC.
CONSULTING ENGINEERS TAMPA, FLORIDA

Fed. Road Distr. No.	State	County	Route	Proj. No.	Sheet No.
3	Fla.	HILLSBOROUGH	449		63

STATE JOB No. 10002-3511



PROFILE – LT. EDGE OF PAV'T HIMES AVE.



PROFILE – RT. EDGE OF PAV'T HIMES AVE

SPECIAL PROFILES

HIMES AVE.

EDGE OF PAVEMENT 24' LT. & RT. OF ℄ CONSTRUCTION

SCALE:
1"=20' HORZ.
1"=1' VERT.

AS BUILT DRAWINGS
APR 21 1976

Application No. _____
Route No. _____
Original Plotted by _____
" Checked by _____
Template by _____
Area by _____
Finals Plotted by _____
" Checked by _____
Area by _____
" Checked by _____

Contract Nos. 9A & 9B

84/1

DRAFT

CROSS SECTIONS

~~Scale: 1 inch = 5 feet~~

WATSON AND COMPANY
ENGINEERING DIVISION
3013 HORATIO STREET
TAMPA FLORIDA

Fed. Road Divn. No.	State	County	Route	Proj. No.	Sheet No.
3	Fla.	HILLSBOROUGH		10002-3510	64

STATE JOB No. 10002.3518



AS BUILT DRAWINGS
APR 21 1978

SPECIAL PROFILES

EUCLID AVE.

EDGE OF PAVEMENT
22.5' LT. & RT. - ℄ CONST.

Contract Nos. 9A & 9B

64
1

Application No.
Route No.
Original Plotted by
" Checked by
Template by
Area by
Finals Plotted by
" Checked by
Maps by
" Checked by

K&E CO.
ORLANDO, FLA.
ORDER STOCK # 1004

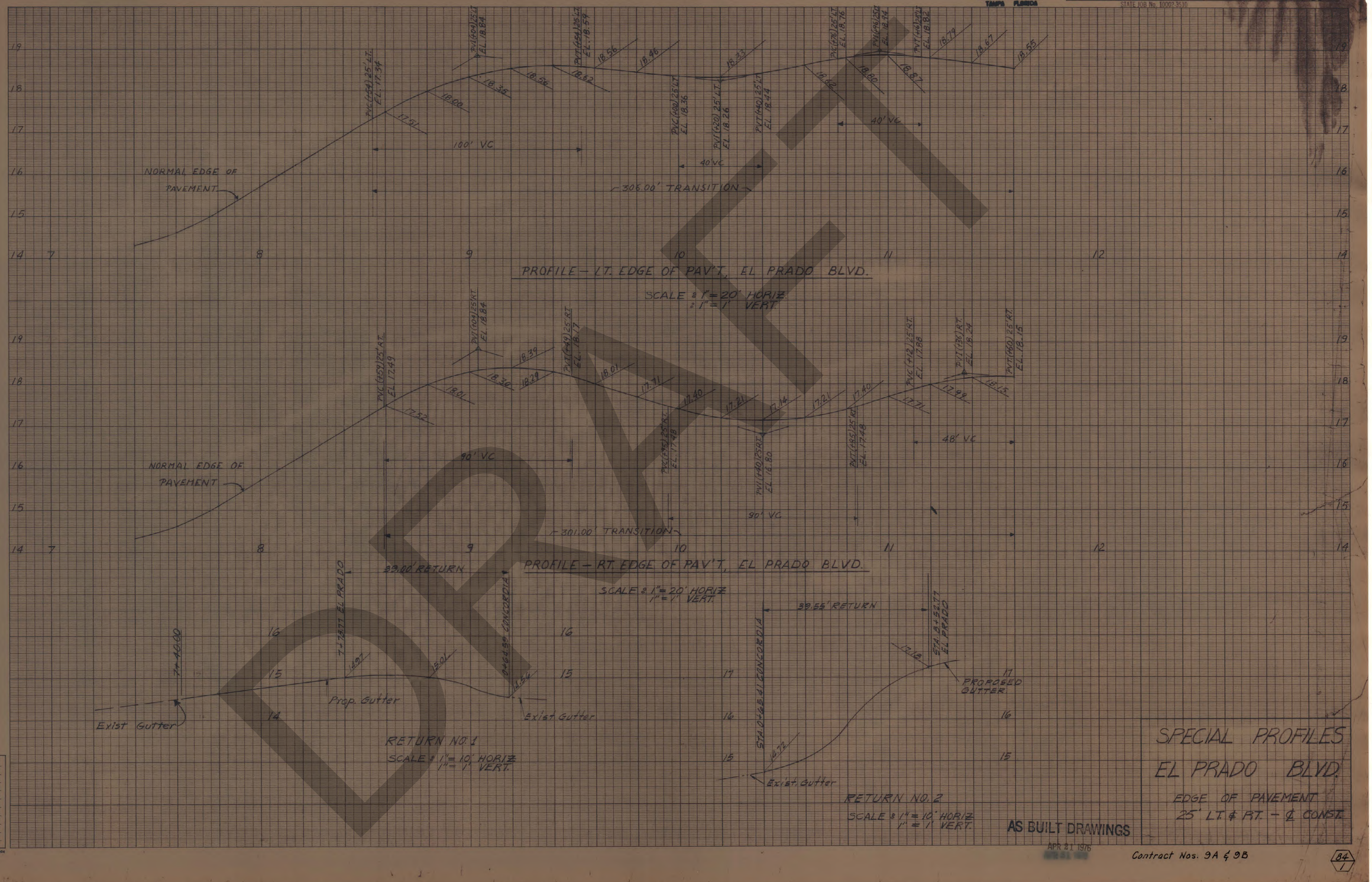
CROSS-SECTIONS

Scale 1 inch = 5 feet

WATSON AND COMPANY
ENGINEERING DIVISION
2013 HORATIO STREET
TAMPA FLORIDA

Fed. Road Divn. No.	State	County	Route	Proj. No.	Sheet No.
3	Fla.	HILLSBOROUGH		10002-3510	68

STATE JOB No. 10002 3510



SPECIAL PROFILES

EL PRADO BLVD.

EDGE OF PAVEMENT
25' LT. & RT. – ℄ CONST.

AS BUILT DRAWINGS
APR 21 1976

Contract Nos. 9A & 9B

84
1

Application No.
Route No.
Original Plotted by
" Checked by
Template by
Area by
Finals Plotted by
" Checked by
Area by
" Checked by

K&E CO. ORLANDO, FLA. ORDER STOCK # 1694

~~CROSS SECTIONS~~
~~Scale 1 inch = 5 feet~~

WATSON AND COMPANY
ENGINEERING DIVISION
3013 HORATIO STREET
TAMPA FLORIDA

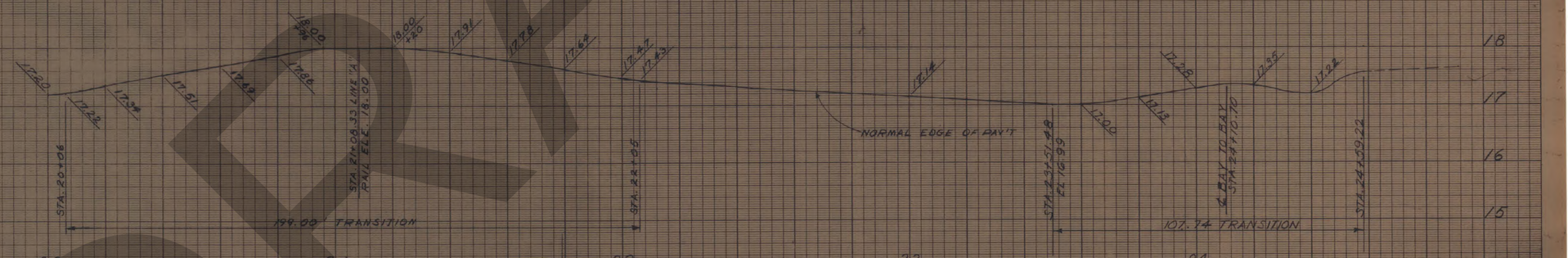
Fed. Road Divn. No.	State	County	Route	Proj. No.	Sheet No.
3	Fla.	HILLSBOROUGH		10002-3510	66

STATE JOB No. 1000-4-76



PROFILE - LT. EDGE OF PAV'T MAC DILL AVE.

SCALE : 1" = 20' HORIZ.
1" = 1' VERT.



RETURN NO. 1.
SCALE : 1" = 10' HORIZ.
1" = 1' VERT.

RETURN NO. 2
SCALE : 1" = 10' HORIZ.
1" = 1' VERT.

RETURN NO. 3
SCALE : 1" = 10" HORIZ.
1" = 1' VERT.

SPECIAL PROFILES
MAC DILL AVE.
EDGE OF PAVEMENT
22.5' LEFT OF ℄ CONST.

AS BUILT DRAWINGS
APR 21 1976

Contract Nos. 9A & 9B

84
1

Application No.
Route No.
Original Plotted by
" Checked by
Template by
Area by
Finals Plotted by
" Checked by
Area by
" Checked by

KAE CO. ORLANDO, FLA. ORDER STOCK @ 1964

~~CROSS SECTIONS~~

~~Scale 1 inch = 5 feet~~

WATSON AND COMPANY
ENGINEERING DIVISION
3013 HORATIO STREET
TAMPA FLORIDA

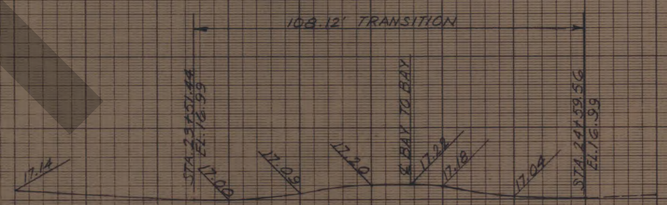
Fed. Road Divn. No.	State	County	Route	Proj. No.	Sheet No.
3	Fla.	HILLSBOROUGH		10002 - 3510	67

STATE JOB No. 10002-3510



PROFILE - RT. EDGE OF PAV'T MAC DILL AVE.

SCALE 1" = 20' HORIZ.
1" = 1' VERT.



SCALE 1" = 20' HORIZ.
1" = 1' VERT.

SPECIAL PROFILES
MACDILL AVE

EDGE OF PAVEMENT
22.5' RIGHT OF
& CONSTRUCTION

AS BUILT DRAWINGS
APR 21 1966

Contract Nos. 9A & 9B

84
1

Application No.
Route No.
Original Plotted by
" Checked by
Template by
Area by
Finals Plotted by
" Checked by
Area by
" Checked by

K&E CO. ORLANDO, FLA. ORDER STOCK © 1964

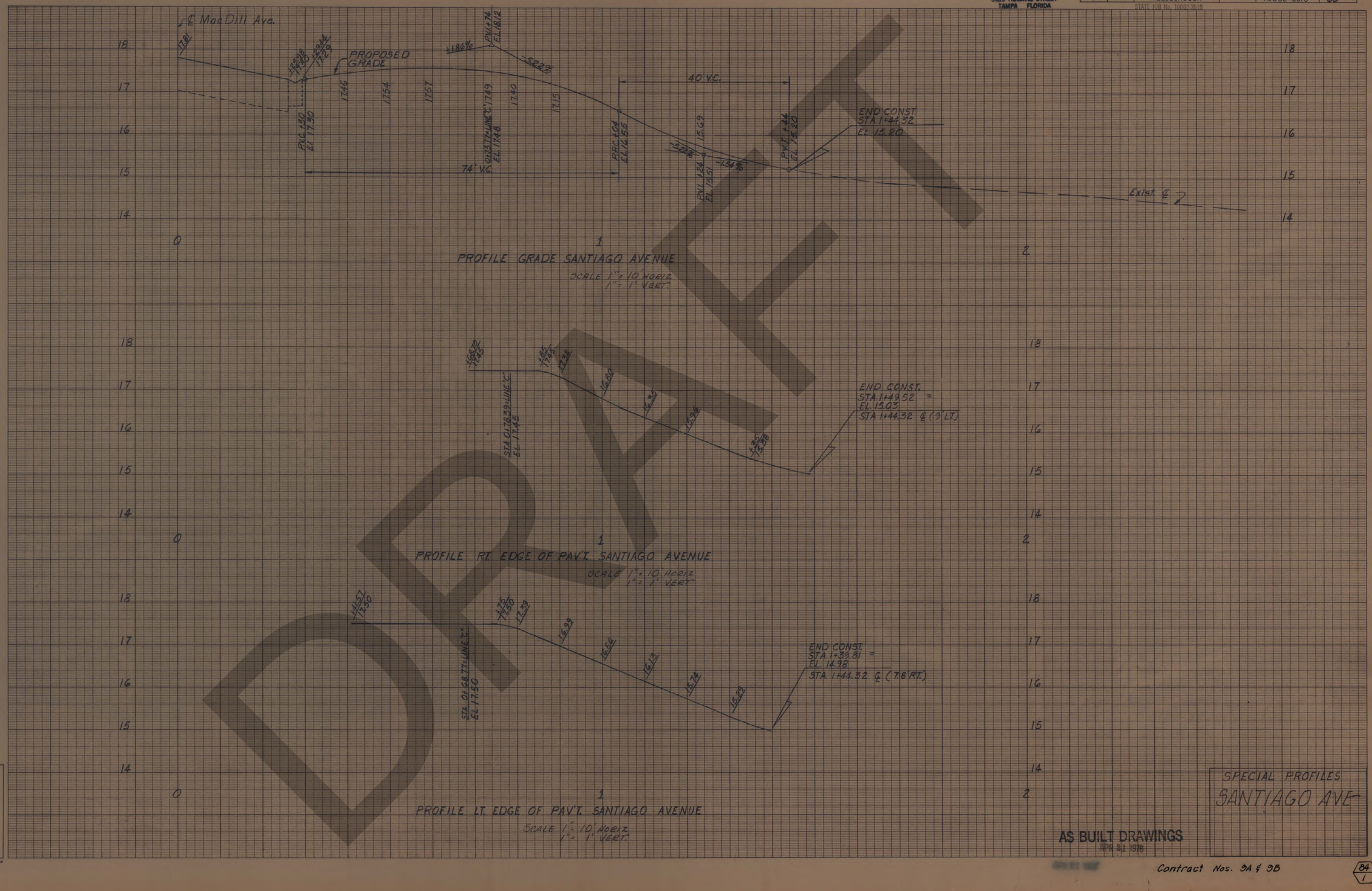
~~CROSS SECTIONS~~

~~Scale 1 inch = 5 feet~~

WATSON AND COMPANY
ENGINEERING DIVISION
3013 HORATIO STREET
TAMPA FLORIDA

Fed. Road Divn. No.	State	County	Route	Proj. No.	Sheet No.
3	Fla.	HILLSBOROUGH		10002-3510	68

STATE JOB No. 10002-3510



DRAFT

Application No.
Route No.
Original Plotted by
" Checked by
Template by
Area by
Finals Plotted by
" Checked by
Area by
" Checked by

KEE CO. ORLANDO, FLA. ORDER STOCK # 1004

SPECIAL PROFILES
SANTIAGO AVE

AS BUILT DRAWINGS
APR 81 1976

Contract Nos. 9A & 9B

84
1

CROSS SECTIONS

~~Scale 1 inch = 5 feet~~

WATSON AND COMPANY
ENGINEERING DIVISION
3013 HORATIO STREET
TAMPA FLORIDA

Fed. Road Divn. No.	State	County	Route	Proj. No.	Sheet No.
3	Fla.	HILLSBOROUGH		10002-3510	69

STATE JOB No. 10002-3510



SPECIAL PROFILES

BAY TO BAY BLVD.

EDGE OF PAVEMENT
22.5' LT & RT. OF
℄ CONSTRUCTION

AS BUILT DRAWINGS
APR 21 1976

Contract Nos. 3A & 3B.

84
1

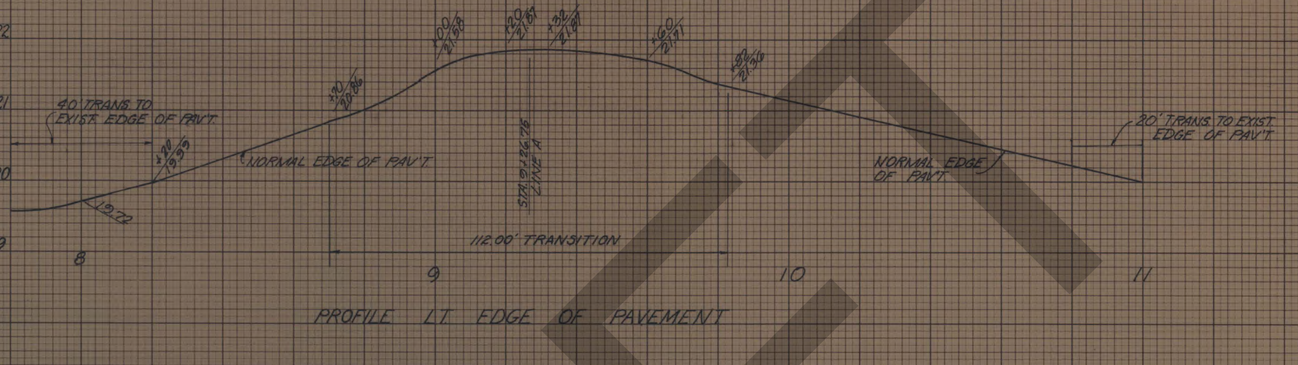
DRAFT

Application No.
Route No.
Original Plotted by
" Checked by
Template by
Area by
Finals Plotted by
" Checked by
Area by
" Checked by

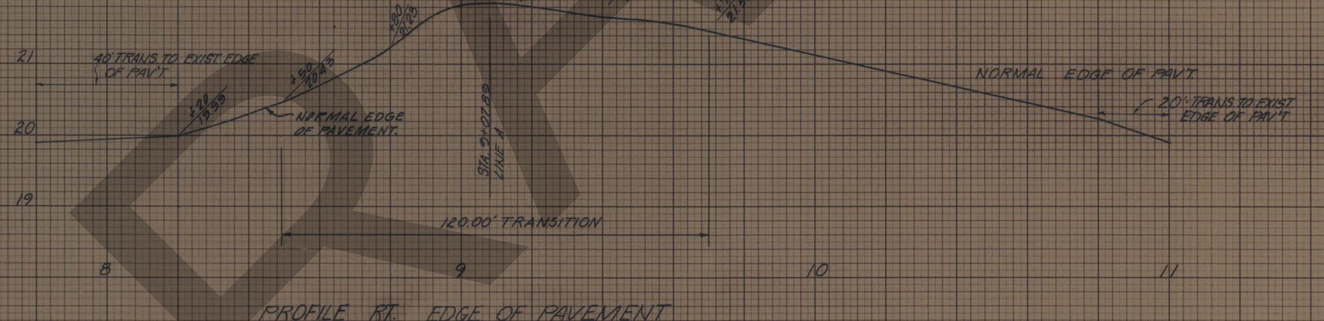
K&E CO. ORLANDO, FLA. ORDER STOCK # 1094

SECTION	CONTRACT	SOUTH CROSSTOWN EXPRESSWAY	SHEET NO
10002	350		69A
By WACO		TAMPA-HILLSBOROUGH COUNTY EXPRESSWAY AUTHORITY	Date 9/73

FINAL SURVEY — SURVEYED, PLOTTED, TEMPLATE, AREAS CHECKED — NOTE BOOK, PAGE, NO. — BY, DATE



PROFILE LT. EDGE OF PAVEMENT



PROFILE RT. EDGE OF PAVEMENT

DRAFT

AS BUILT
APR 21 1978

SPECIAL PROFILES
MISSISSIPPI AVENUE

EDGE OF PAVEMENT
12' LT. & RT. OF ℄ OF CONSTRUCTION

SCALE: 1"=20' HOR.
1"=4' VERT.

Contract Nos. 9A & 9B

84/1

ORIGINAL SURVEY — SURVEYED, PLOTTED, TEMPLATE, AREAS CHECKED — NOTE BOOK, PAGE, NO. — BY, DATE

K•E PLATE 3, CROSS SECTION KEUFFEL & ESSER CO.

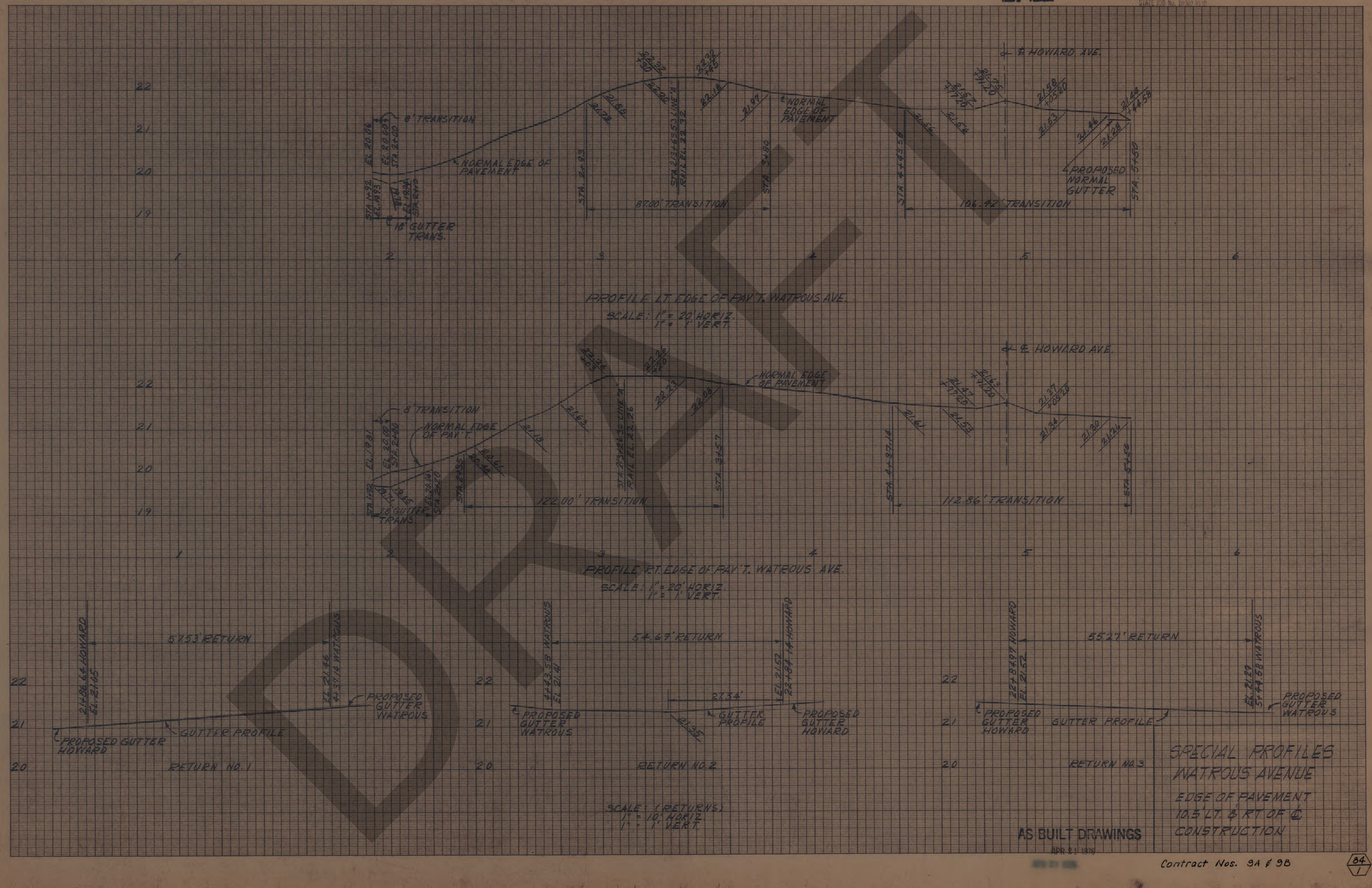
CROSS SECTIONS

Scale: 1 inch = 5 feet

WATSON AND COMPANY
ENGINEERING DIVISION
3019 HOBARTB STREET
TAMPA FLORIDA

Fed. Road Dem. No.	State	County	Route	Proj. No.	Sheet No.
3	Fla.	HILLSBOROUGH		10002-3510	70

STATE JOB No. 10207-3510



SPECIAL PROFILES
WATROUS AVENUE
EDGE OF PAVEMENT
10.5 LT. & RT. OF ℄
CONSTRUCTION

AS BUILT DRAWINGS
APR 21 1976

Contract Nos. 9A & 9B

84
1

Application No.
Route No.
Original Plotted by
" Checked by
Template by
Area by
Finals Plotted by
" Checked by
Area by
" Checked by

A. B. COGSWELL
JACKSONVILLE, FLA.

CROSS SECTIONS

Scale 1 inch = 5 feet

WATSON AND COMPANY
ENGINEERING DIVISION
3013 HOBATTO STREET
TAMPA FLORIDA

Fed. Road Distr. No.	State	County	Route	Proj. No.	Sheet No.
3	Fla.	HILLSBOROUGH	-	10002-3510	71



SPECIAL PROFILES
HOWARD AVENUE
EDGE OF PAVEMENT
14' LT & RT. OF ℄
CONSTRUCTION

AS BUILT DRAWINGS
APR 21 1976

Application No.
Route No.
Original Platted by
" Checked by
Template by
Area by
Finals Platted by
" Checked by
Area by
" Checked by

A. R. COGSWELL
JACKSONVILLE, FLA.

Contract Nos. 9A & 9B

84
1

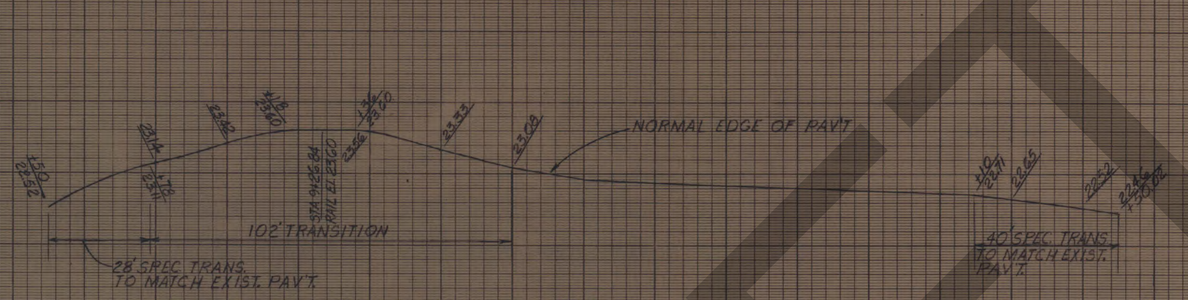
CROSS SECTIONS

Scale 1 inch = 5 feet

WATSON AND COMPANY
ENGINEERING DIVISION
3013 HORATIO STREET
TAMPA FLORIDA

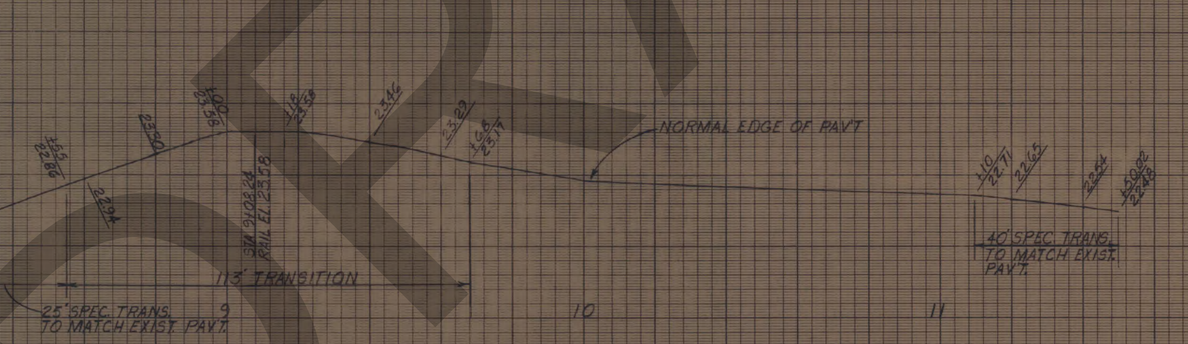
Fed. Road Divn. No.	State	County	Route	Proj. No.	Sheet No.
3	Fla.	HILLSBOROUGH		10002-3510	72

STATE JOB No. 10002-3510



PROFILE LT. EDGE OF PAV'T. MORRISON AVE.

SCALE: 1" = 20' HORIZ.
1" = 1' VERT.



PROFILE RT EDGE OF PAV'T MORRISON AVE.

SCALE: 1" = 20' HORIZ.
1" = 1' VERT.

SPECIAL PROFILES
MORRISON AVENUE
EDGE OF PAVEMENT
12' LT. & RT. OF ℄ CONST.

AS BUILT DRAWINGS
APR 21 1976

Contract Nos. 9A & 9B

84/1

Application No.
Route No.
Original Plotted by
" Checked by
Template by
Area by
Finals Plotted by
" Checked by
Area by
" Checked by

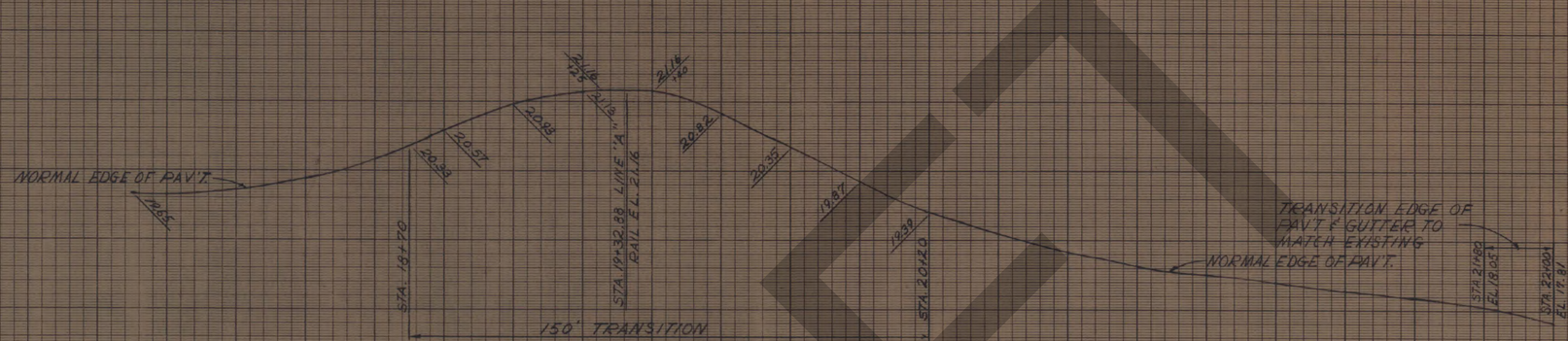
K&E CO. ORLANDO, FLA. ORDER STOCK # 1004

CROSS SECTIONS

Scale 1 inch = 5 feet

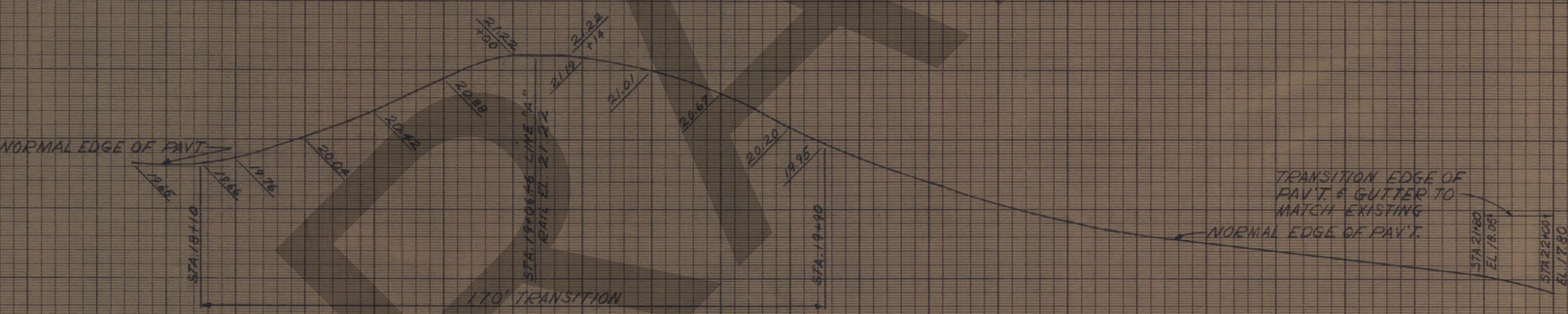
WATSON AND COMPANY
ENGINEERING DIVISION
3013 HORATIO STREET
TAMPA FLORIDA

Fed. Road Divn. No.	State	County	Route	Proj. No.	Sheet No.
3	Fla.	HILLSBOROUGH		10002-3510	73



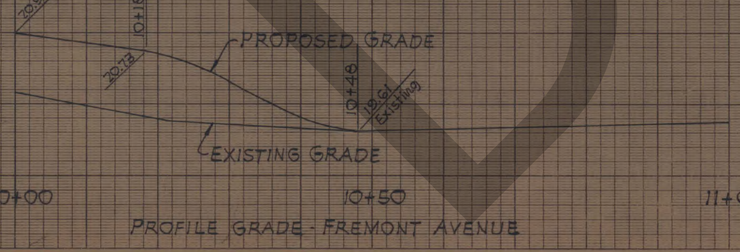
PROFILE – LT. EDGE OF PAV'T. – SWANN AVE.

SCALE: 1" = 20' HORIZ.
1" = 1' VERT.

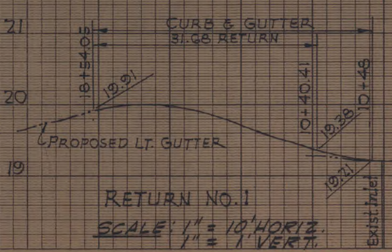


PROFILE – RT. EDGE OF PAV'T. – SWANN AVE.

SCALE: 1" = 20' HORIZ.
1" = 1' VERT.

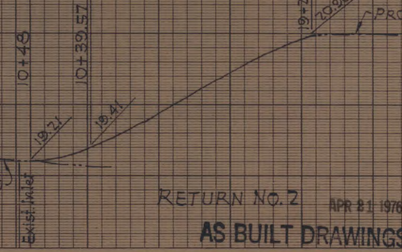


PROFILE GRADE - FREMONT AVENUE



RETURN NO. 1

SCALE: 1" = 10' HORIZ.
1" = 1' VERT.



RETURN NO. 2

APR 81 1976

AS BUILT DRAWINGS

SPECIAL PROFILES

SWANN AVE.

EDGE OF PAVEMENT
18.5' LT. & RT. ℄ CONST.

Contract Nos. 9A & 9B

84/1

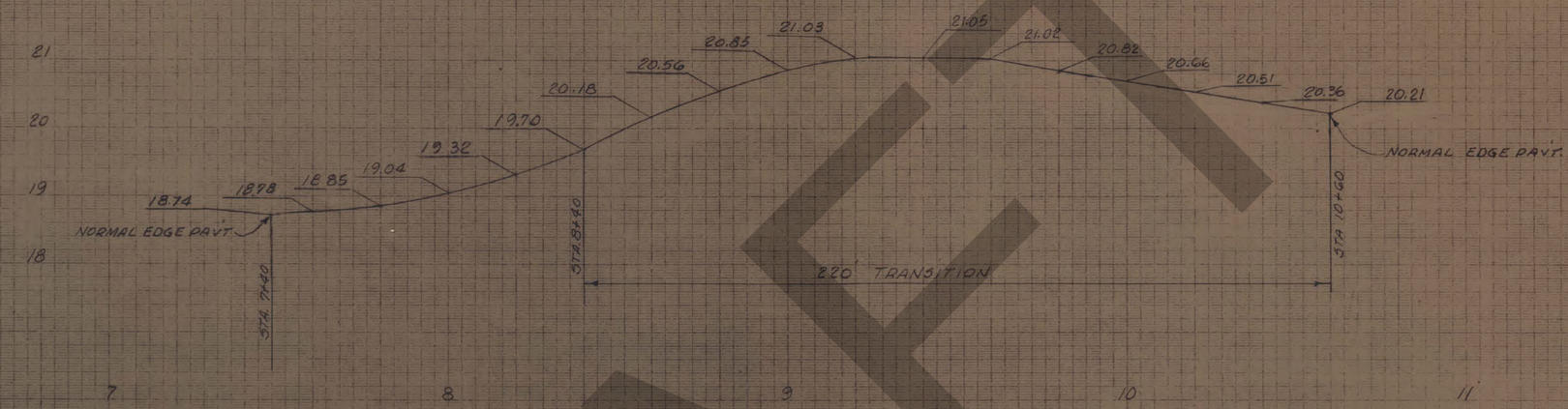
Application No.
Route No.
Original Plotted by
" Checked by
Template by
Area by
Finals Plotted by
" Checked by
Area by
" Checked by
KAE CO. ORLANDO, FLA. ORDER STOCK # 1004

CROSS SECTIONS

Scale 1 inch = 5 feet

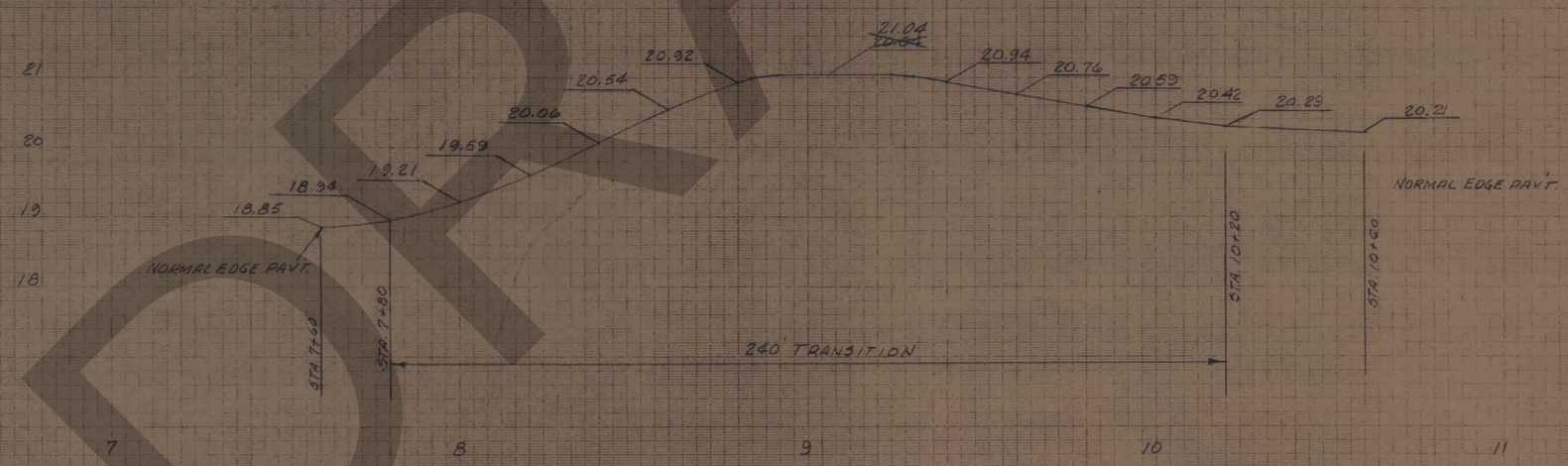
WATSON AND COMPANY
ENGINEERING DIVISION
9013 HONATIO STREET
TAMPA FLORIDA

Fed. Road Dist. No.	State	County	Route	Proj. No.	Sheet No.
3	Fla.	HILLSBOROUGH		10002-3510	74



PROFILE LEFT EDGE PAVEMENT PLATT ST.

SCALE: 1" = 20' HORIZ.
1" = 1' VERT.



PROFILE RIGHT EDGE PAVEMENT PLATT ST.

SCALE: 1" = 20' HORIZ.
1" = 1' VERT.

SPECIAL PROFILES
PLATT STREET

EDGE OF PAYMENT.

AS BUILT DRAWINGS
APR 21 1976

Contract Nos. 9A & 9B

84
1

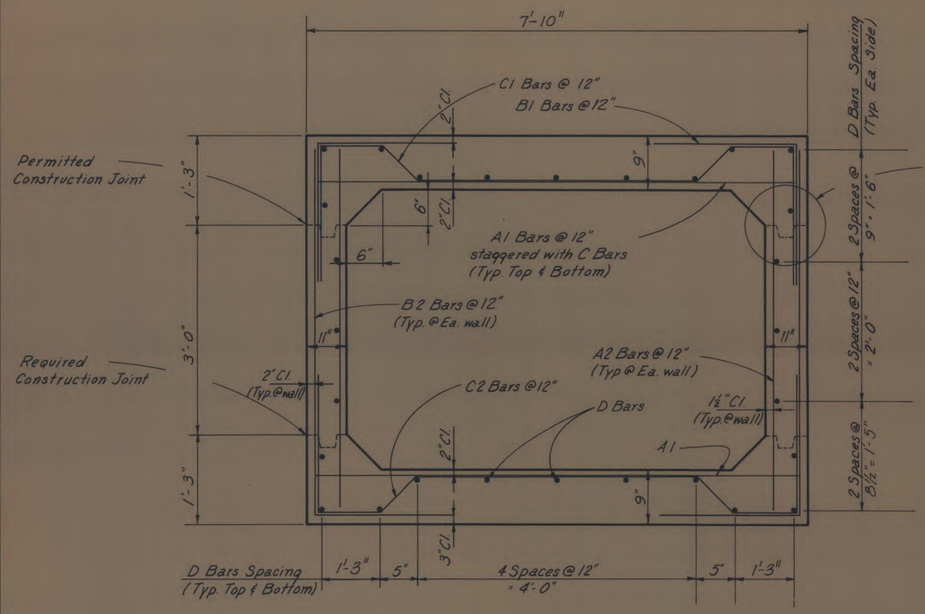
DRAFT

Application No.
Route No.
Original Plotted by
" Checked by
Template by
Area by
Finals Plotted by
" Checked by
Area by
" Checked by

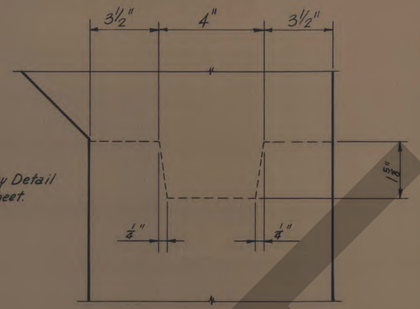
A. B. COGSWELL
JACKSONVILLE, FLA.

WATSON AND COMPANY
ENGINEERING DIVISION
3013 HORATIO STREET
TAMPA FLORIDA

SECTION	CONTRACT	SOUTH CROSSTOWN EXPRESSWAY	SHEET NO.
10002	3510		164
By: WACO	TAMPA-HILLSBOROUGH COUNTY EXPRESSWAY AUTHORITY		Date: 2-73

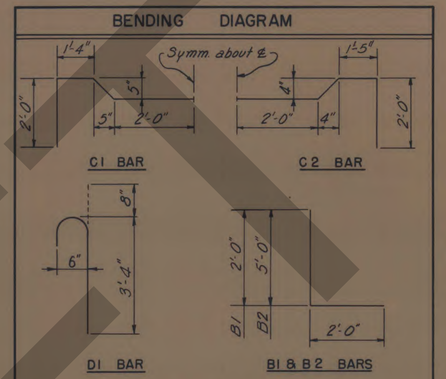


TYPICAL CROSS SECTION



KEY DETAIL

BENDING DIAGRAM



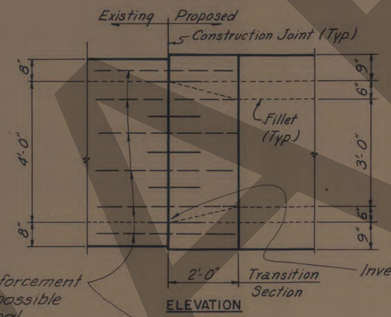
Note: All dimensions are out-to-out.

BILL OF REINFORCING STEEL

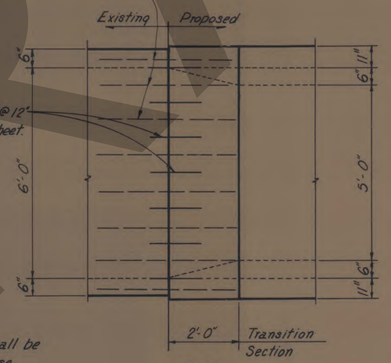
MARK	SIZE	NO. REQ'D	LENGTH	BENDING
A1	6	90	7'-6"	Straight
A2	4	90	5'-1"	"
B1	4	90	4'-0"	See diagram
B2	5	90	7'-0"	"
C1	6	45	11'-10"	"
C2	6	45	11'-10"	"
D1	6	28	4'-0"	"
D2	4	28	44'-8"	Straight

ESTIMATED QUANTITIES

ITEM	UNIT	QUANTITIES
Concrete	Cu. Yd.	32.64
Reinforcing Steel	Lb.	4,819

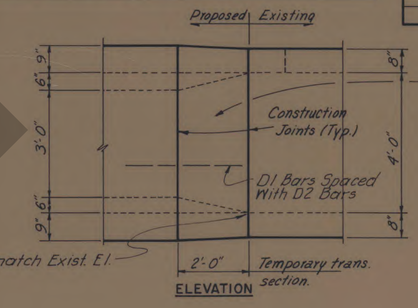


ELEVATION

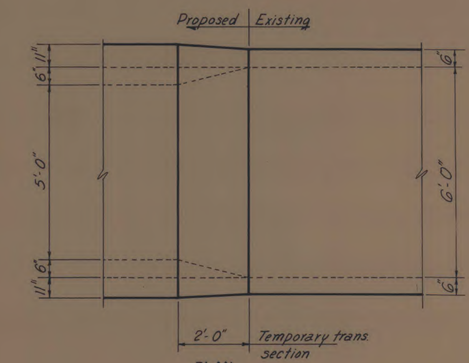


PLAN

JOINT AT LEFT OF R.R.

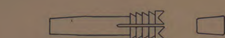


ELEVATION

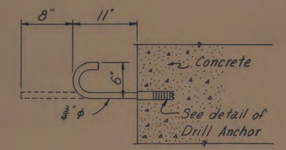


PLAN

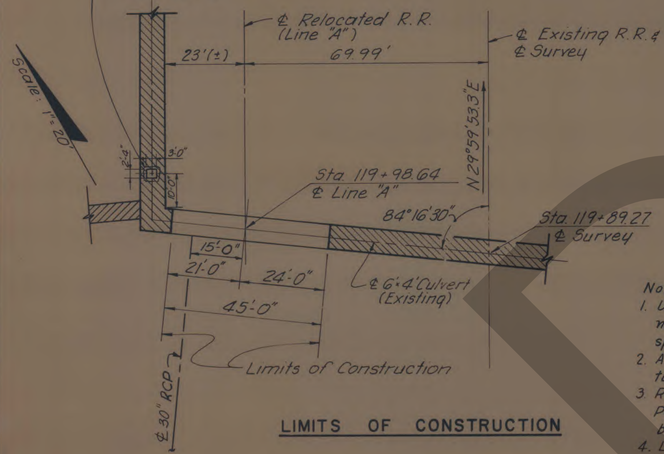
JOINT AT RIGHT OF R.R.



DRILL / ANCHOR DETAIL



DETAIL OF EXPANSION ANCHOR
(ALTERNATE)



LIMITS OF CONSTRUCTION

Notes:
1. Ultimate compressive strength of concrete shall be not less than 3500 psi. in 28 days, unless otherwise specified.
2. All dimensions shall be reduced at transition section to match crossection of existing culvert at joint.
3. Required construction joints located as shown. Location of Permitted construction joints may be changed if approved by the Engineer.
4. Live Loading — COOPER E-72.

NO.	REVISION	BY	DATE

TAMPA-HILLSBOROUGH COUNTY EXPRESSWAY AUTHORITY

SOUTH CROSSTOWN EXPRESSWAY

IMPROVEMENT OF EXISTING SINGLE 6'x4' CULVERT UNDER R.R. AT STA. 119 + 98.64

J. E. GREINER COMPANY — WATSON & COMPANY
CONSULTING ENGINEERS — TAMPA, FLORIDA

MADE O.C. DATE 9/71	TRACED O.C. DATE 9/71
CHECKED E.A.M. DATE 7/72	SCALE As Shown or N.T.S.

AS BUILT DRAWINGS

AS BUILT

APR 21 1976

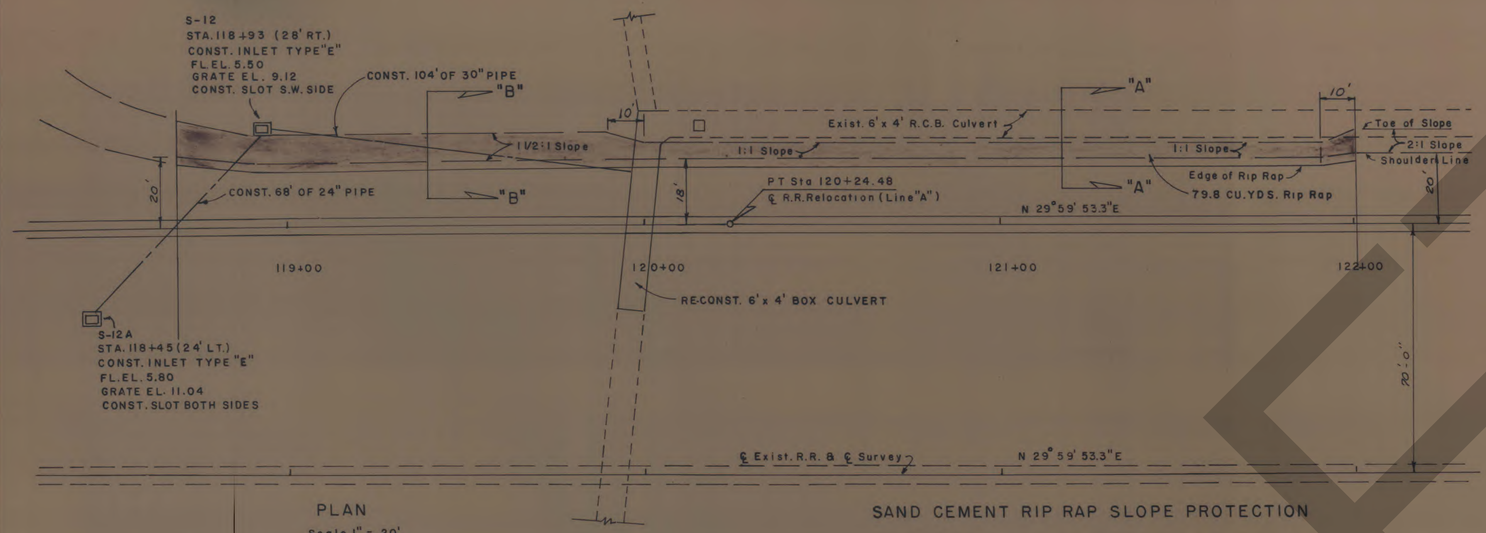
Contract Nos. 9A & 9B

84/1

DRAFT

WATSON AND COMPANY
ENGINEERING DIVISION
3013 HORATIO STREET
TAMPA FLORIDA

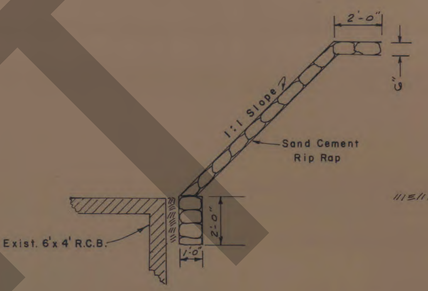
SECTION	CONTRACT	SOUTH CROSSTOWN EXPRESSWAY	SHEET NO.
10002	3510		165
By WACO		TAMPA-HILLSBOROUGH COUNTY EXPRESSWAY AUTHORITY	Date 2-73



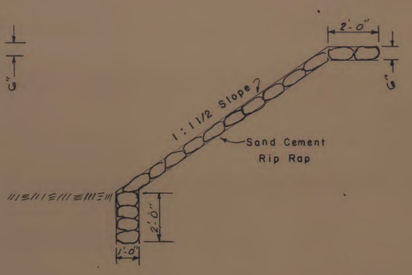
PLAN
Scale 1" = 20'

SAND CEMENT RIP RAP SLOPE PROTECTION

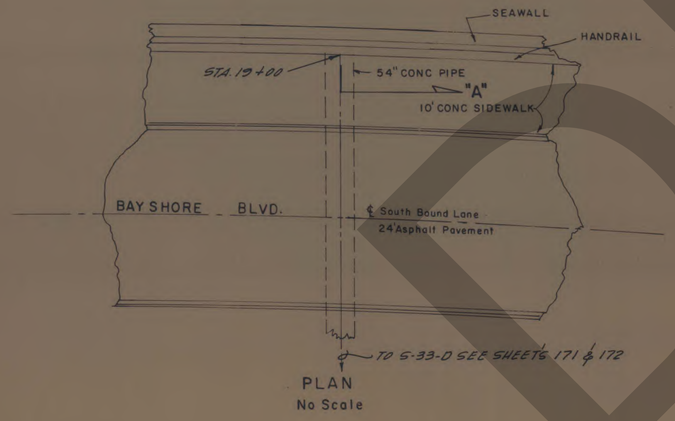
SCALE 1"=20'



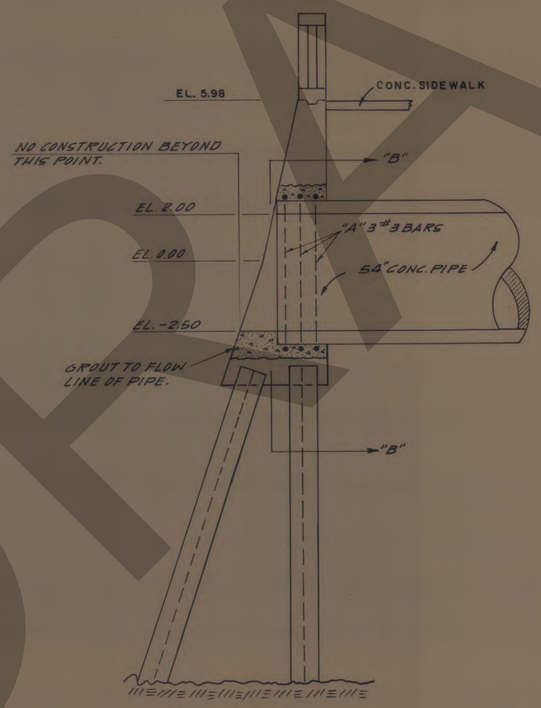
SECTION "A-A"
Scale 1" = 30'



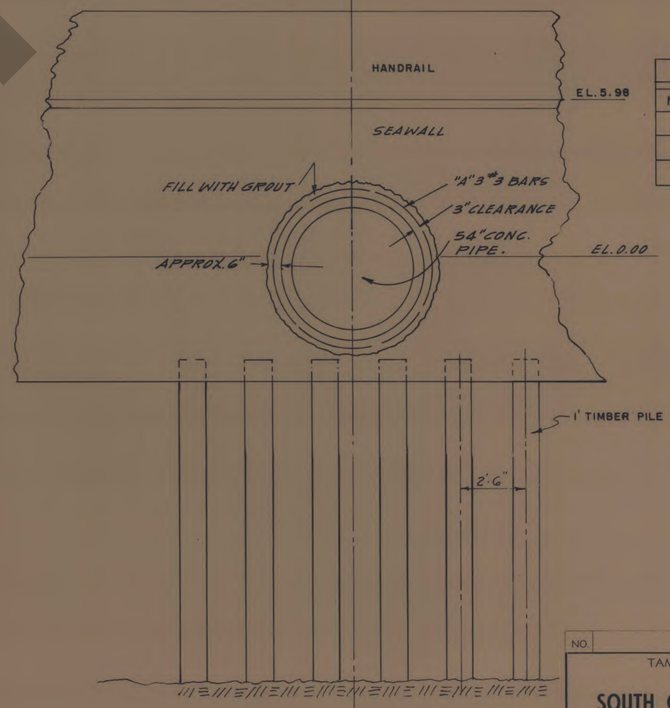
SECTION "B-B"
Scale 1" = 30'



PLAN
No Scale



SECTION "A-A"
Scale 3/8"= 1'



SECTION "B-B"
Scale 3/8"= 1'

REINFORCING BAR LIST			
MARK	SIZE	NO. RQ'D.	L'NGTH.
A	#3	3	20'-0"

54" STORM SEWER THRU SEAWALL
AT BAYSHORE BLVD.

APR 21 1976

NO	REVISION	BY	DATE

TAMPA-HILLSBOROUGH COUNTY
EXPRESSWAY AUTHORITY

SOUTH CROSSTOWN EXPRESSWAY

SPECIAL DETAILS

J. E. GREINER COMPANY — WATSON & COMPANY
CONSULTING ENGINEERS TAMPA, FLORIDA

MADE D.M.	DATE 9/72	TRACED E.J.	DATE 9/72
CHECKED D.M.	DATE 9/72	SCALE AS SHOWN	

AS BUILT DRAWINGS
Contract Nos. 9A & 9B

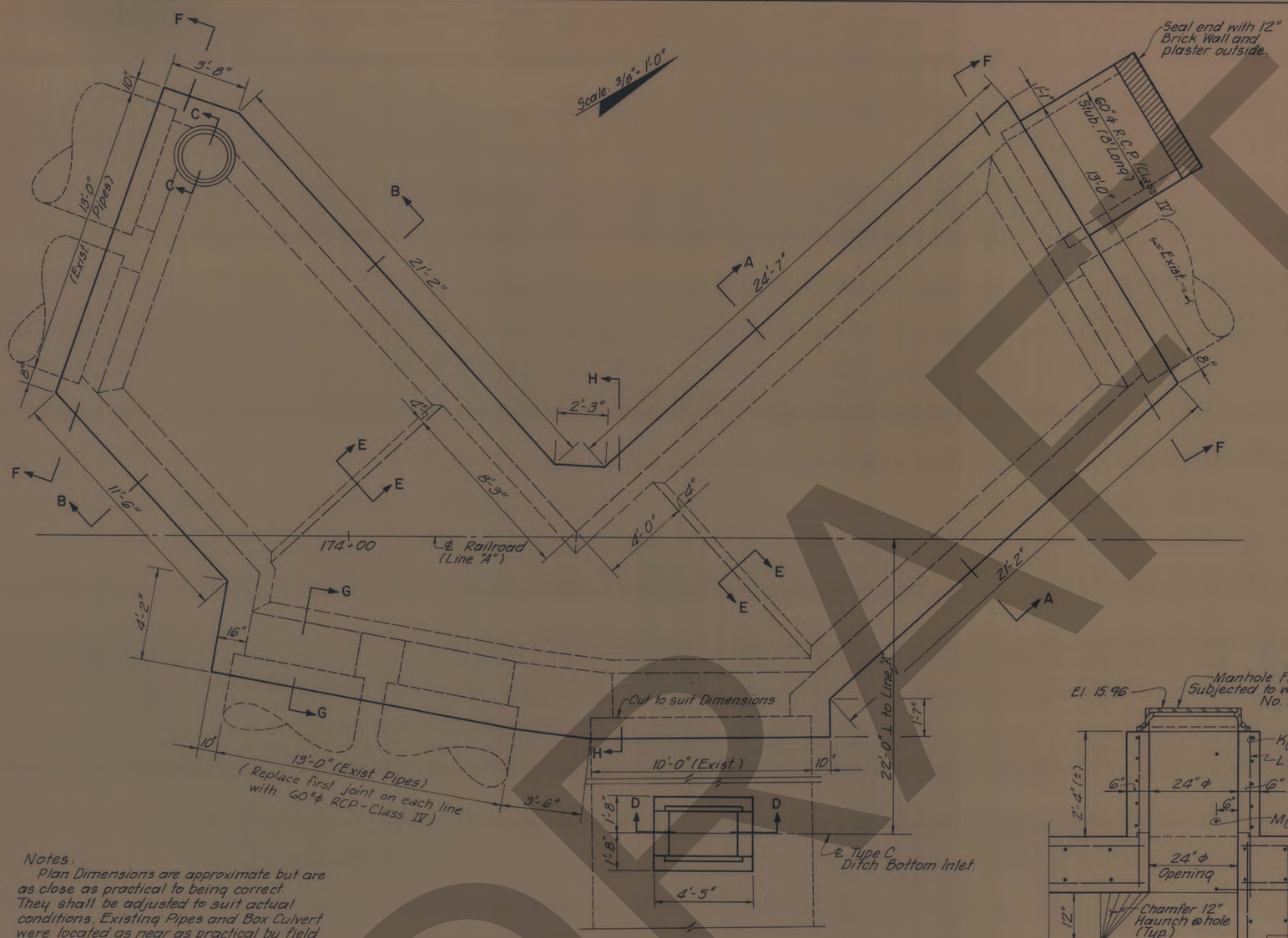
84
1

DRAFT

WATSON AND COMPANY
ENGINEERING DIVISION
3013 HORATIO STREET
TAMPA FLORIDA

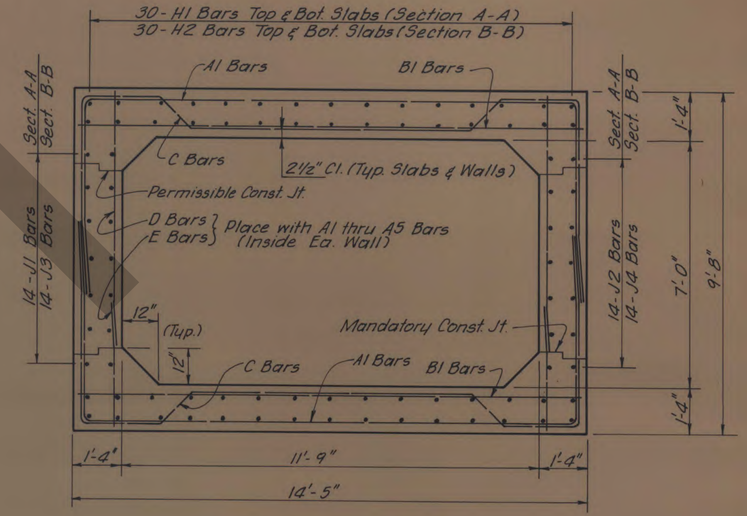
SECTION	CONTRACT	SOUTH CROSSTOWN EXPRESSWAY	SHEET NO.
10002	3510		166
By: WACO	TAMPA-HILLSBOROUGH COUNTY EXPRESSWAY AUTHORITY		Date: 2-73

STATE JOB NO. 10002-3510

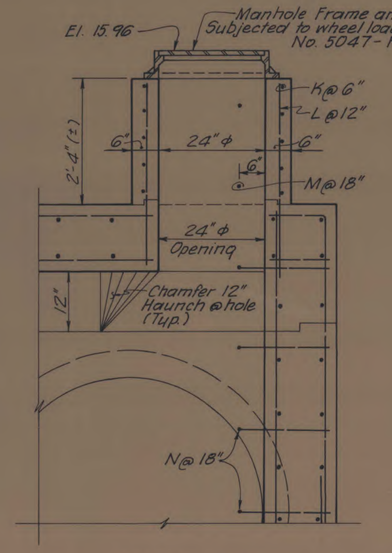


PLAN

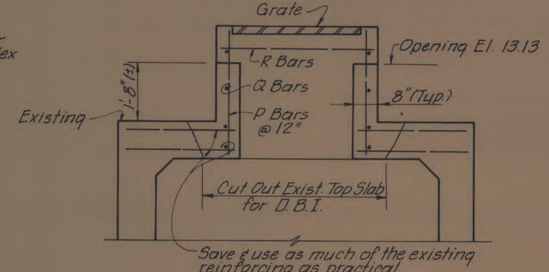
Notes:
Plan Dimensions are approximate but are as close as practical to being correct. They shall be adjusted to suit actual conditions. Existing Pipes and Box Culvert were located as near as practical by field measurements and old plans. The end lengths of the existing Pipes (60" ϕ), a portion of the existing Box Culvert and the existing Junction Box are to be removed.
Existing invert elevations are to be matched as close as practical with the top of the bottom slab.
Live Load – COOPER E-72.



SECTIONS A-A & B-B
Scale: 1/2" = 1'-0"



SECTION C-C
Scale: 3/4" = 1'-0"



SECTION D-D
Scale: 1/2" = 1'-0"

Work this sheet with sheets 167 & 168.

APR 21 1976

NO.	REVISION	BY	DATE

TAMPA-HILLSBOROUGH COUNTY EXPRESSWAY AUTHORITY
SOUTH CROSSTOWN EXPRESSWAY

STORM SEWER JUNCTION BOX STA. 174 ± (LINE "A")

J. E. GREINER COMPANY — WATSON & COMPANY
CONSULTING ENGINEERS TAMPA, FLORIDA

MADE E.A.M.	DATE 9/72	TRACED P.K.	DATE 9/72
CHECKED P.K.	DATE 9/72	SCALE AS shown	

AS BUILT DRAWINGS

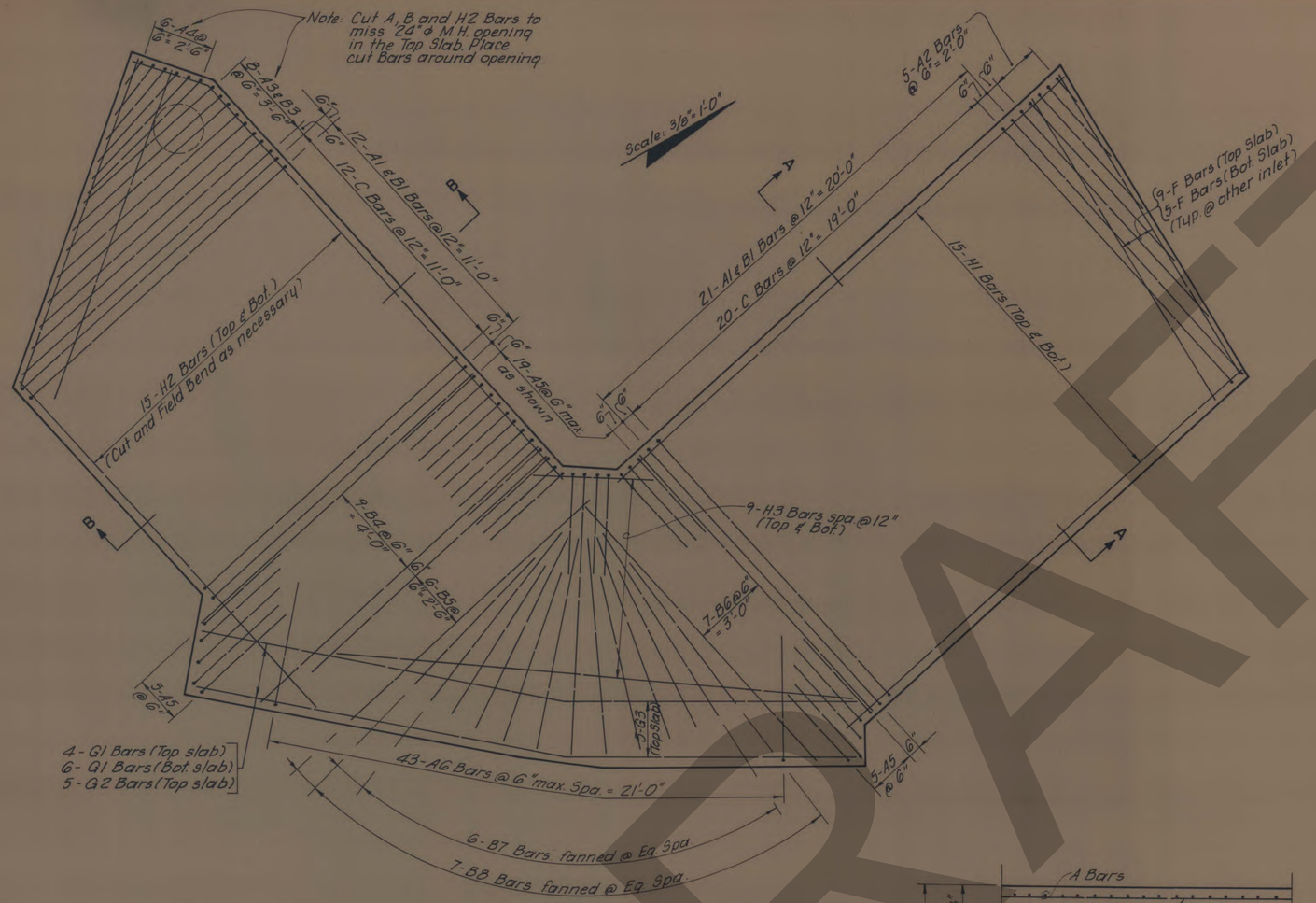
Contract Nos. 3A & 3B

84
1

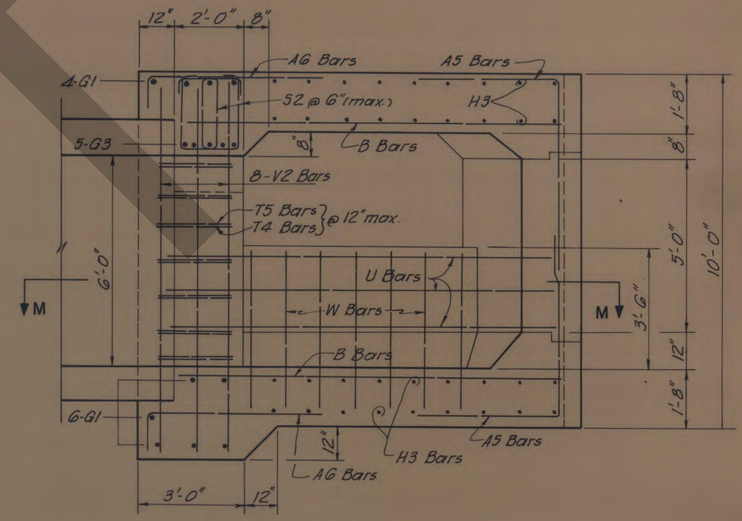
DRAFT

WATSON AND COMPANY
ENGINEERING DIVISION
3013 HORATIO STREET
TAMPA FLORIDA

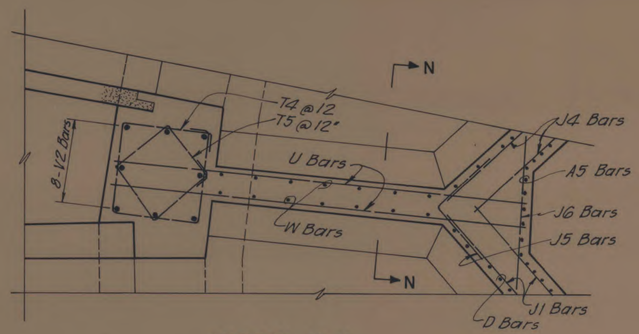
SECTION	CONTRACT	SOUTH CROSSTOWN EXPRESSWAY	SHEET NO.
10002	3510		167
By: WACO	TAMPA-HILLSBOROUGH COUNTY EXPRESSWAY AUTHORITY		Date: 2-73



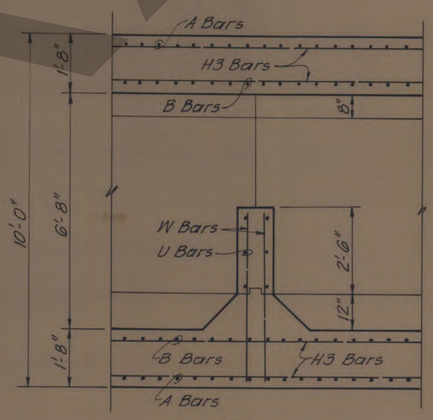
TOP AND BOTTOM SLAB PLAN



SECTION H-H



SECTION M-M



SECTION N-N

APR 21 1976

NO.	REVISION	BY	DATE

TAMPA-HILLSBOROUGH COUNTY
EXPRESSWAY AUTHORITY

SOUTH CROSSTOWN EXPRESSWAY

STORM SEWER
JUNCTION BOX
STA. 174 ± (LINE "A")

J. E. GREINER COMPANY — WATSON & COMPANY
CONSULTING ENGINEERS TAMPA, FLORIDA

MADE E.A.M. DATE 9/72 | TRACED P.K. DATE 9/72
CHECKED P.K. DATE 9/72 | SCALE 1/2" = 1'-0"

AS BUILT DRAWINGS

Work this sheet with sheets 166 & 168.

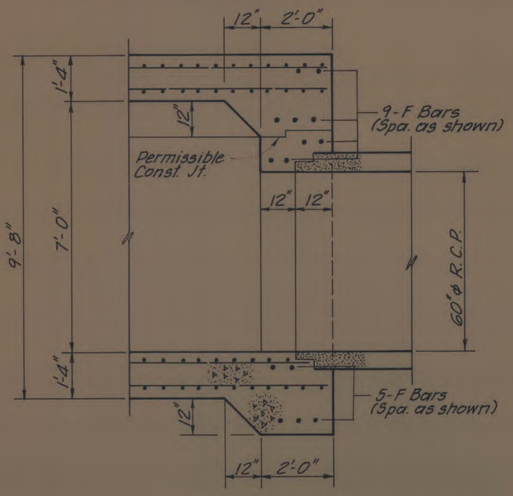
Contract Nos. 9A & 9B

84/1

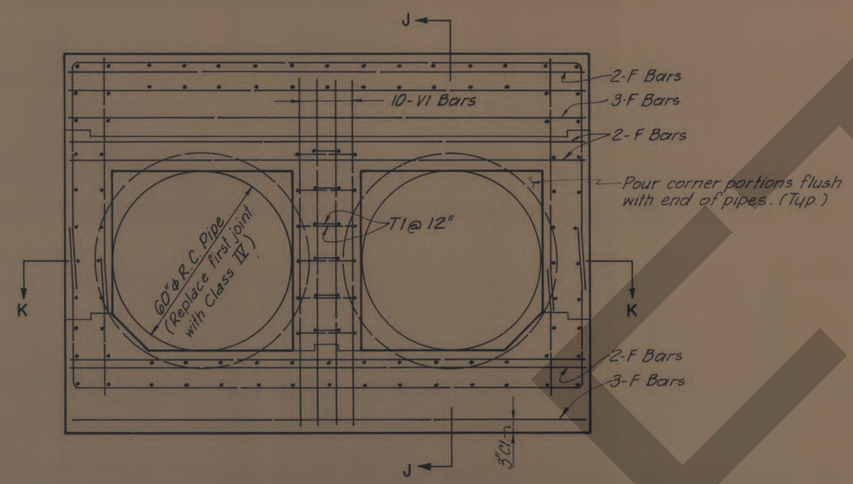
DRAFT

WATSON AND COMPANY
ENGINEERING DIVISION
3013 HORATIO STREET
TAMPA FLORIDA

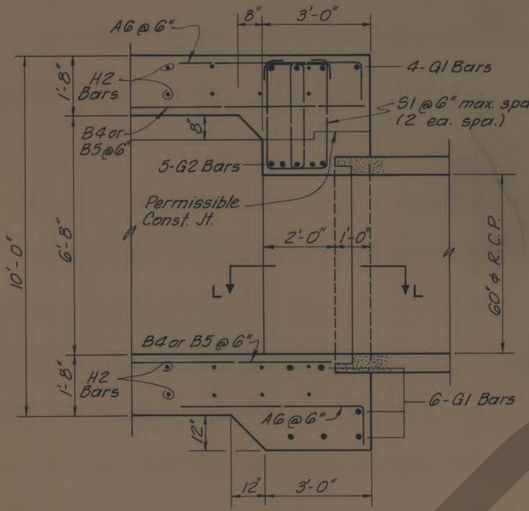
SECTION	CONTRACT	SOUTH CROSSTOWN EXPRESSWAY	SHEET NO.
10002	3510		168
By WACO	TAMPA-HILLSBOROUGH COUNTY EXPRESSWAY AUTHORITY		Date 2-73



SECTION J-J

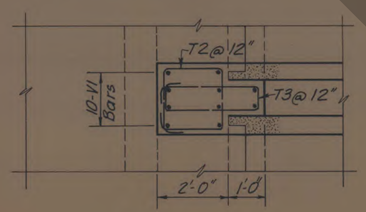


SECTION F-F

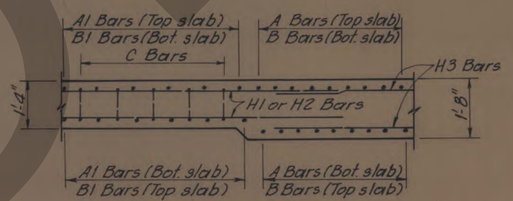


SECTION G-G

SECTION K-K



SECTION L-L

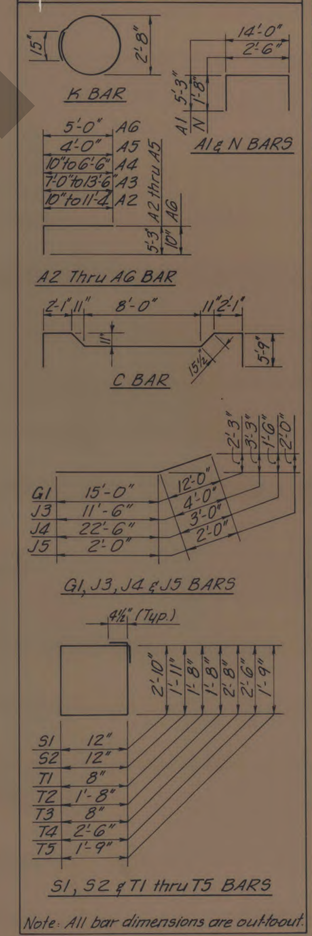


SECTION E-E

ESTIMATED QUANTITIES

ITEM	UNIT	QUANTITY
Class "A" Conc.	C.Y.	143.91
Reinforcing	Lb.	23,634
Remove Exist. Box	L.S.	1

BENDING DIAGRAM



Note: All bar dimensions are outboard.

REINFORCING STEEL

MARK	SIZE	NO. REQ'D	LENGTH	TYPE
A1	5	60	24'-6"	Bent
A2	5	10	②	"
A3	5	16	③	"
A4	5	12	④	"
A5	5	58	9'-3"	"
A6	5	86	5'-10"	"
B1	7	66	14'-1"	Str.
B3	7	16	⑤	"
B4	9	18	15'-0"	"
B5	9	12	13'-0"	"
B6	9	14	14'-1"	"
B7	9	12	8'-9"	"
B8	9	14	7'-0"	"
C	8	64	26'-3"	Bent
D	5	114	7'-0"	Str.
E	5	114	3'-0"	"
F	8	28	14'-2"	"
G1	11	10	27'-0"	Bent
G2	11	5	16'-6"	Str.
G3	11	5	13'-6"	"
H1	5	60	⑥	"
H2	5	60	⑦	"
H3	6	36	⑧	"
J1	5	14	26'-6"	"
J2	5	14	22'-0"	"
J3	5	14	15'-6"	Bent
J4	5	14	25'-6"	"
J5	5	7	4'-0"	"
J6	5	7	4'-9"	Str.
K	3	5	9'-6"	Bent
L	4	8	3'-4"	Str.
M	7	2	2'-9"	"
N	7	5	5'-10"	Bent
P	4	14	3'-4"	Str.
Q	4	8	3'-1"	"
R	4	8	4'-2"	"
S1	4	44	8'-5"	Bent
S2	4	34	6'-7"	"
T1	4	24	5'-5"	"
T2	4	6	7'-5"	"
T3	4	6	7'-5"	"
T4	4	7	10'-9"	"
T5	4	7	7'-9"	"
U	4	6	11'-6"	Str.
V1	6	30	10'-0"	"
V2	7	8	10'-0"	"
W	4	14	4'-6"	"

② Varies from 6'-1" to 16'-7"
③ Varies from 12'-3" to 18'-9"
④ Varies from 6'-1" to 11'-9"
⑤ Varies from 7'-0" to 13'-6"
⑥ 4-Sets of 15 each; Varies from 21'-9" to 24'-6"
⑦ 4-Sets of 15 each; Varies from 18'-0" to 24'-9"
⑧ 4-Sets of 9 each; Varies from 5'-0" to 21'-0".

Work this Sheet with sheets 166 & 167.

NO.	REVISION	BY	DATE

TAMPA-HILLSBOROUGH COUNTY EXPRESSWAY AUTHORITY

SOUTH CROSSTOWN EXPRESSWAY

STORM SEWER JUNCTION BOX STA. 174 ± (LINE "A")

J. E. GREINER COMPANY — WATSON & COMPANY
CONSULTING ENGINEERS TAMPA, FLORIDA

MADE E.A.M. DATE 9/72 | TRACED P.K. DATE 9/72
CHECKED P.K. DATE 9/72 | SCALE 1/2" = 1'-0"

AS BUILT DRAWINGS APR 21 1976

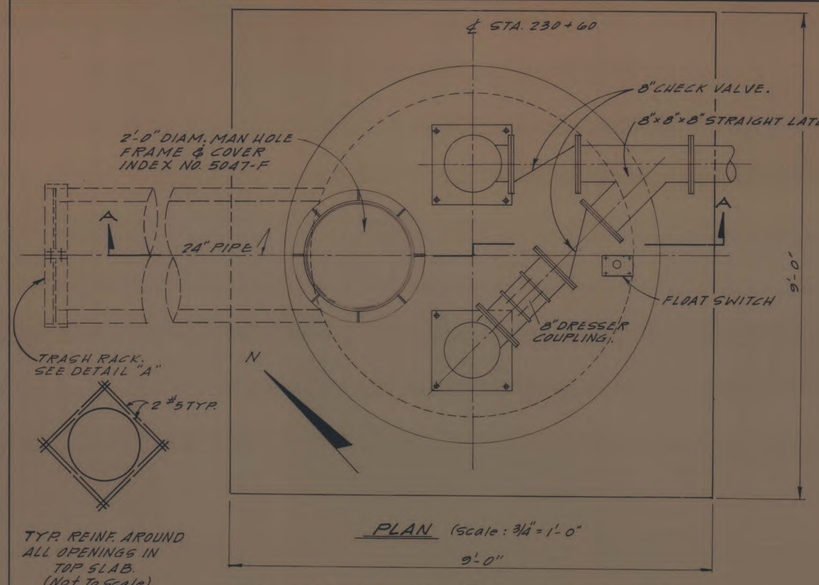
Contract Nos. 9A & 9B

84/1

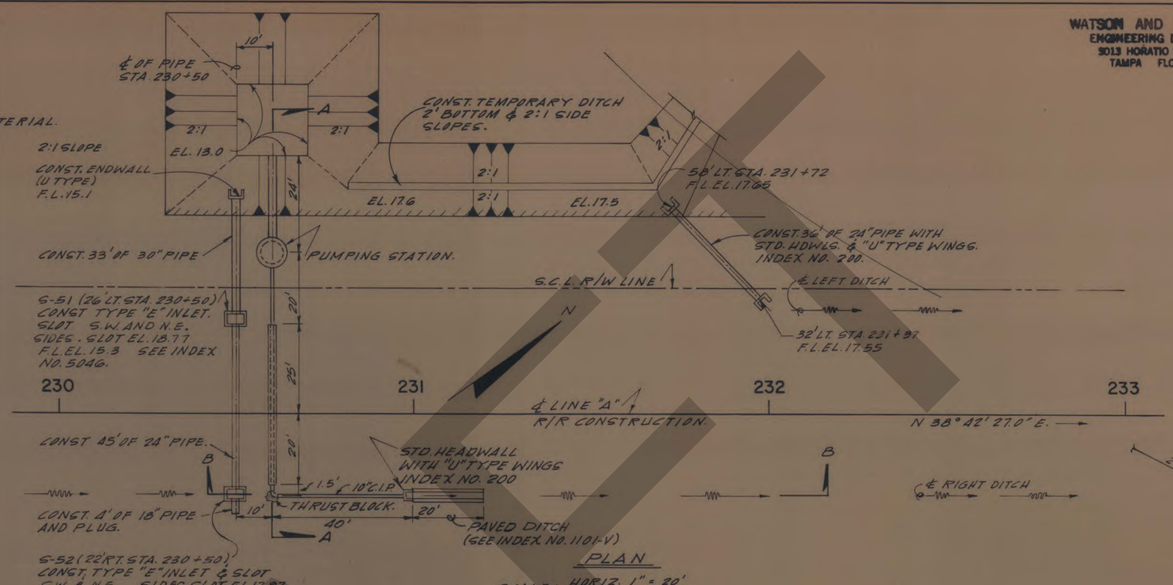
DRAFT

WATSON AND COMPANY
ENGINEERING DIVISION
2013 HORATIO STREET
TAMPA FLORIDA

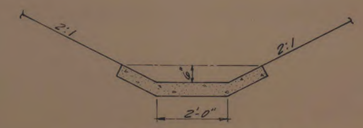
SECTION	CONTRACT	SOUTH CROSSTOWN EXPRESSWAY	SHEET NO.
10002	3510		169
By: WACO		TAMPA-HILLSBOROUGH COUNTY EXPRESSWAY AUTHORITY	Date: 2-73



TYP. REINF. AROUND ALL OPENINGS IN TOP SLAB. (Not To Scale)



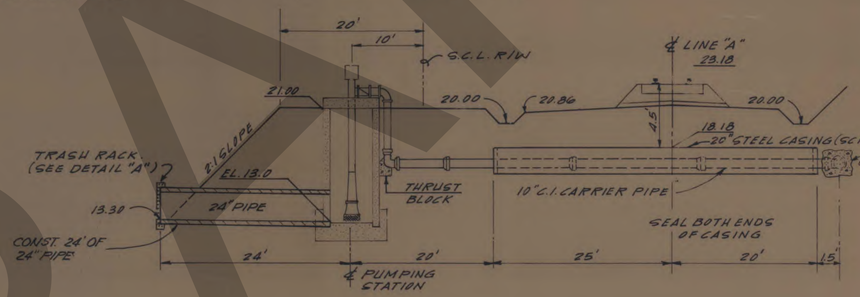
PLAN
SCALE: HORIZ. 1" = 20'
VERT. 1" = 20'



DETAIL OF DITCH PAVING. (SEE STD. INDEX NO. 1101-V) NOT TO SCALE.

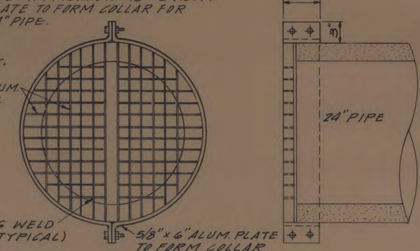
VERTICAL PROPELLER PUMP 1500 G.P.M. @ 10 FT. T.D.H. MIN. H.P. 6. MOTOR SHALL BE TOTALLY ENCLOSED AND WATERPROOF.

NOTE: CONTRACTOR WILL FURNISH SOURCE OF POWER AT A LOCATION TO BE DETERMINED BY THE ENGINEER.

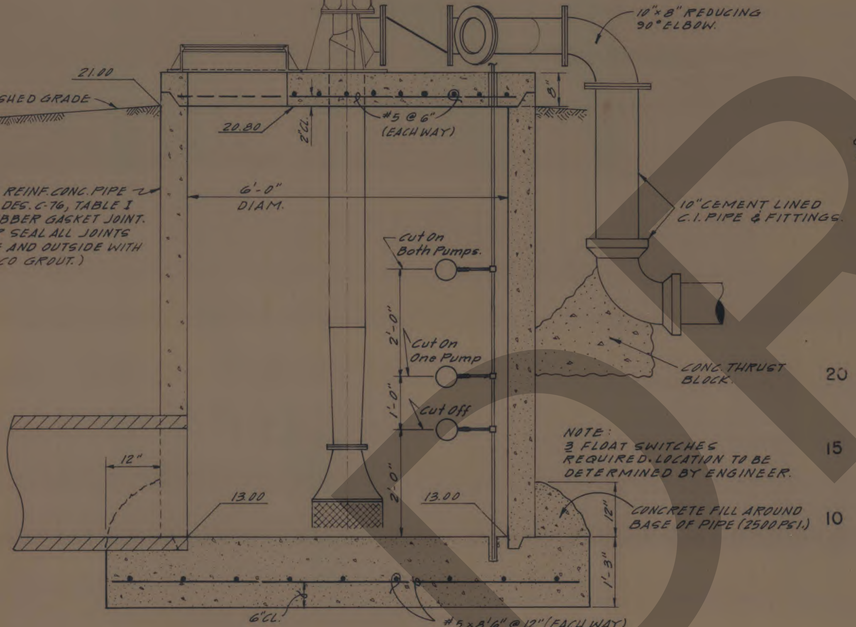


SECTION "A-A"
SCALE: HORIZ. 1" = 10'
VERT. 1" = 5'

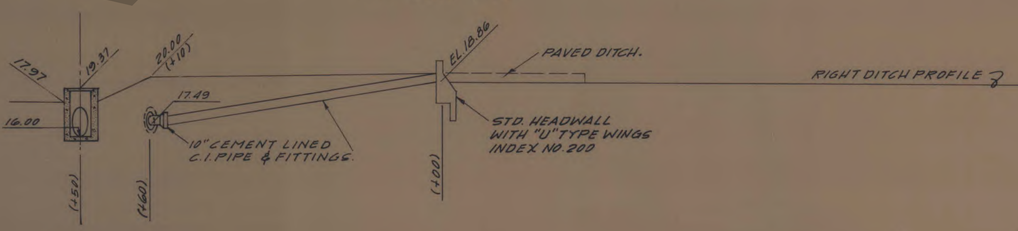
1/2"x1/4" ALUM. FLAT BARS, BOTH WAYS @ 2" A.C. WELDED WITH 1/4" WELD BOTH SIDES (TYPICAL) TO 5/8"x6" ALUM. PLATE TO FORM COLLAR FOR 24" PIPE.



TRASH RACK - DETAIL "A"
SCALE: 1" = 1'-0"



SECTION "A-A"
SCALE: 3/4" = 1'-0"



SECTION "B-B"
SCALE: HORIZ. 1" = 10'
VERT. 1" = 5'

NOTE: THE STEEL CASING, 10" C.I. CARRIER PIPE & THE ALUM. TRASH RACK SHALL BE CONSIDERED AS A PART OF THE PUMPING STATION FOR PURPOSES OF PAYMENT.

NO	REVISION	BY	DATE

TAMPA-HILLSBOROUGH COUNTY EXPRESSWAY AUTHORITY

SOUTH CROSSTOWN EXPRESSWAY

PUMP STATION AND DRAINAGE DETAIL

J. E. GREINER COMPANY — WATSON & COMPANY
CONSULTING ENGINEERS TAMPA, FLORIDA

MADE D.M.	DATE 9/72	TRACED E.J.	DATE 9/72
CHECKED D.M.	DATE 9/72	SCALE AS SHOWN	

AS BUILT DRAWINGS APR 21 1975

Contract Nos. 9A & 9B

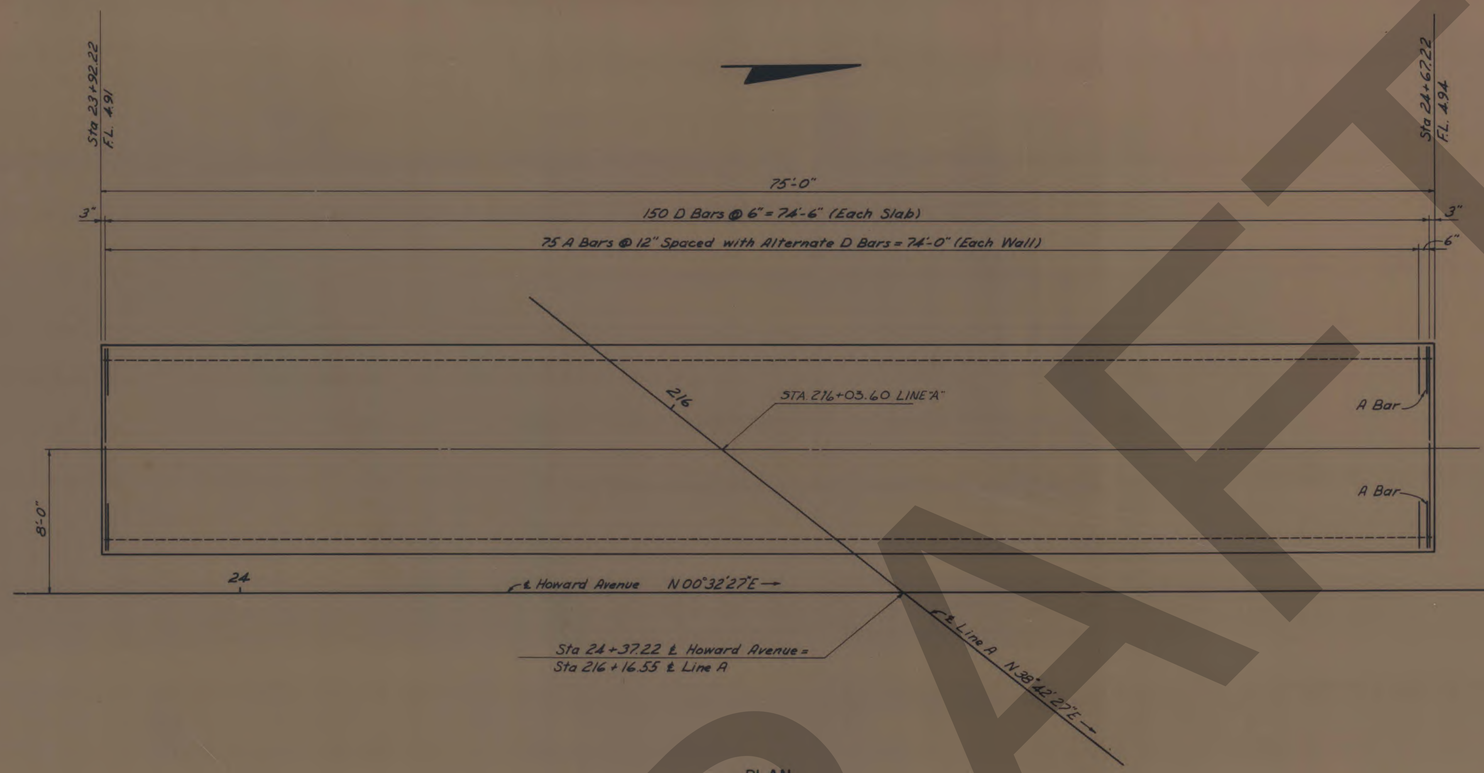
184/1

DRAFT

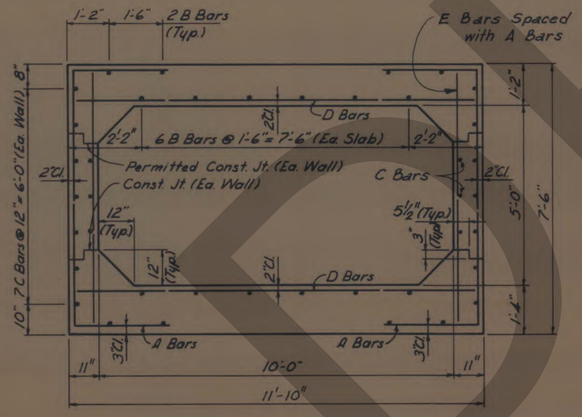
WATSON AND COMPANY
ENGINEERING DIVISION
3013 HORATIO STREET
TAMPA FLORIDA

SECTION	CONTRACT	SOUTH CROSSTOWN EXPRESSWAY	SHEET NO.
10002	3510		170
By WACO	TAMPA-HILLSBOROUGH COUNTY EXPRESSWAY AUTHORITY		Date 2-73

STATE JOB No. 10002-[illegible]



PLAN



SECTION

Notes:

1. *Design is in accordance with A.A.S.H.O. Standard Specifications for Highway Bridges, 1969 Edition, and A.R.E.A. Manual of Recommended Practice, Chapter 8, 1968 Edition.*
2. *Loadings are HS20-44 and Cooper E 72.*
3. *Maximum Foundation Pressure is 3330 psf.*
4. *Construction shall be in accordance with Florida State Road Department Standard Specifications for Road and Bridge Construction, 1966 Edition.*
5. *Seal Ends of Culvert with 12" thick Brick Walls. Cost of Brick Walls to be included in Contract Unit Price for Class A Concrete.*

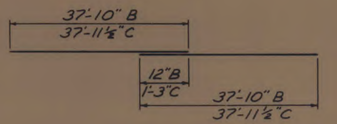
BILL OF REINFORCING

MARK	SIZE	NO. REQ'D	LENGTH	BENDING
A	9	152	12'-5"	Bent
B	4	20	75'-8"	See Diag.
C	5	20	75'-11"	"
D	8	300	11'-4"	Straight
E	4	152	7'-0"	"

BENDING DIAGRAMS



A BAR



B & C BARS

ESTIMATED QUANTITIES

ITEM	UNIT	QUANTITY
Class A Concrete	C.Y.	113.2
Grade 40 Rein. Steel	Lb.	18,800

NO	REVISION	BY	DATE

TAMPA-HILLSBOROUGH COUNTY
EXPRESSWAY AUTHORITY

SOUTH CROSSTOWN EXPRESSWAY

BOX CULVERT AT HOWARD AVE.

J. E. GREINER COMPANY — WATSON & COMPANY
CONSULTING ENGINEERS — TAMPA, FLORIDA

MADE	T.D.	DATE	1/73	TRACED	T.D.	DATE	1/73
CHECKED	E.A.M.	DATE	1/73	SCALE			

AS BUILT DRAWINGS APR 21 1976

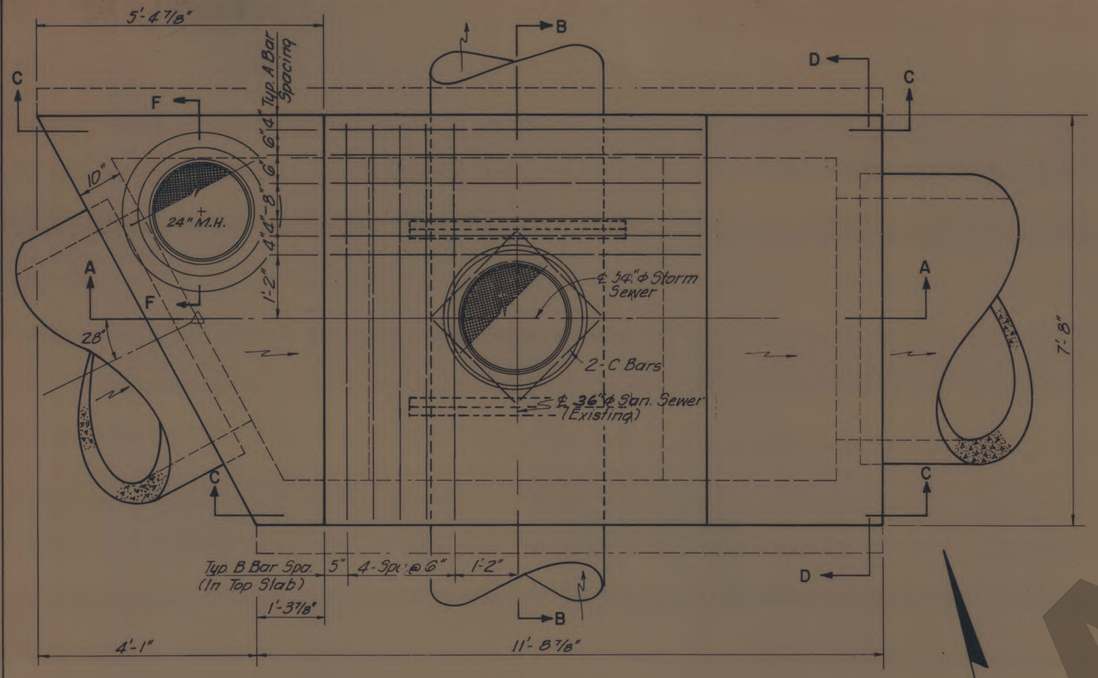
Contract Nos. 9A & 9B

DRAFT

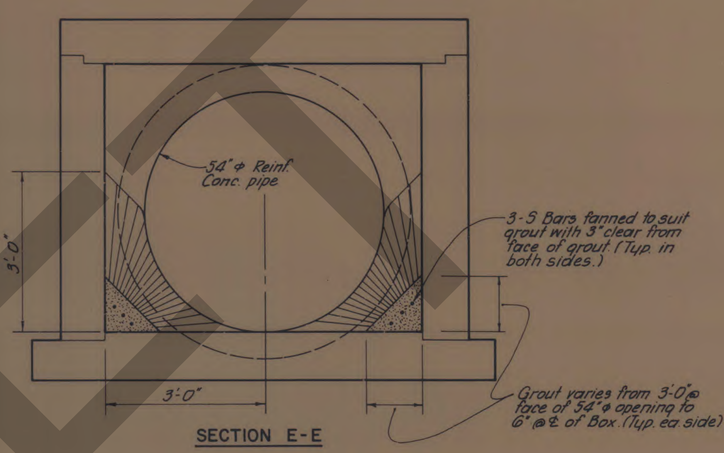
WATSON AND COMPANY
ENGINEERING CONT...
3013 HORATIO STREET
TAMPA FLORIDA

SECTION	CONTRACT	SOUTH CROSSTOWN EXPRESSWAY	SHEET NO.
10002	3510		171
By: WACO	TAMPA-HILLSBOROUGH COUNTY EXPRESSWAY AUTHORITY		Date: 2-73

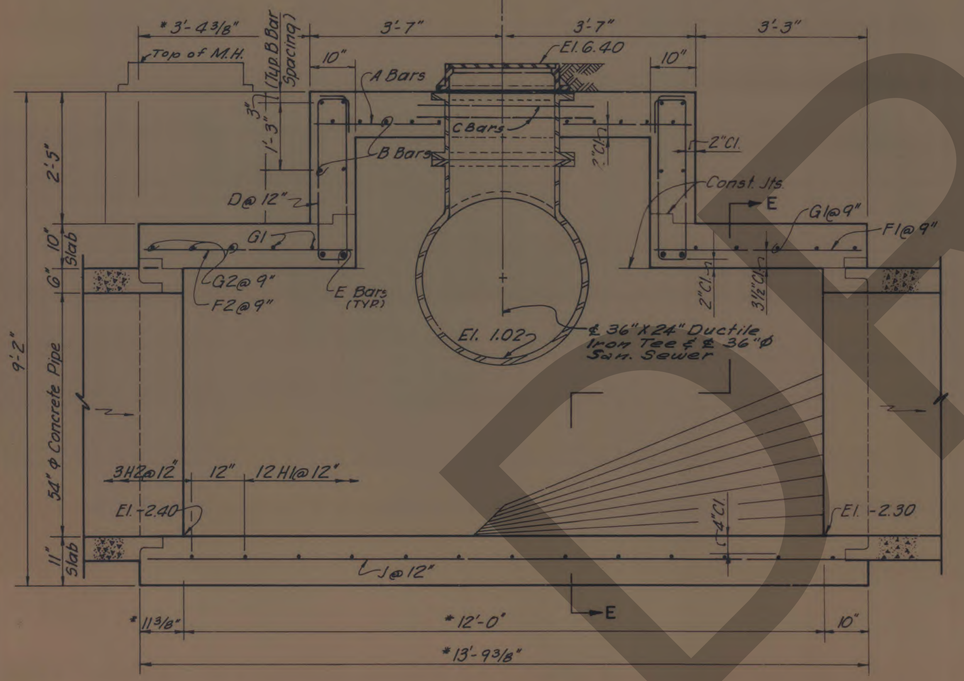
STATE JOB No. 10002-3510



PLAN

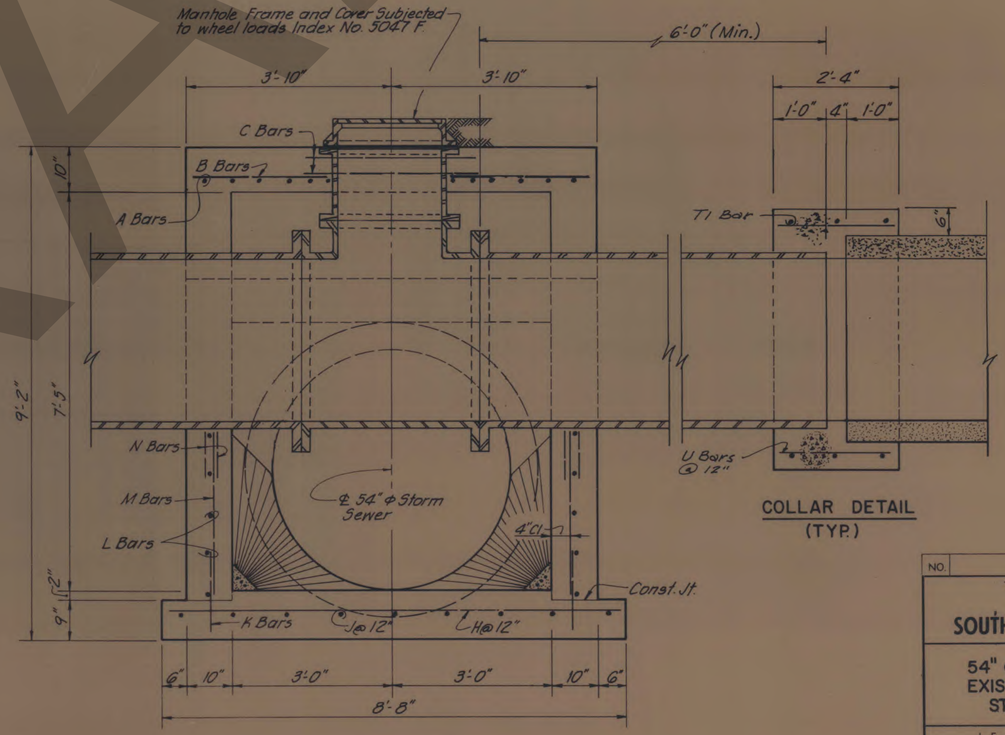


SECTION E-E



* Dimensions measured along ℄ of Box.

SECTION A-A



SECTION B-B

COLLAR DETAIL (TYP.)

Work this sheet with sheet No. 172

NO.	REVISION	BY	DATE

TAMPA - HILLSBOROUGH COUNTY EXPRESSWAY AUTHORITY

SOUTH CROSSTOWN EXPRESSWAY

54" ϕ STORM SEWER CROSSING EXIST. 36" ϕ SAN. SEWER IN MED. STRIP OF BAYSHORE DRIVE

J. E. GREINER COMPANY — WATSON & COMPANY
CONSULTING ENGINEERS TAMPA, FLORIDA

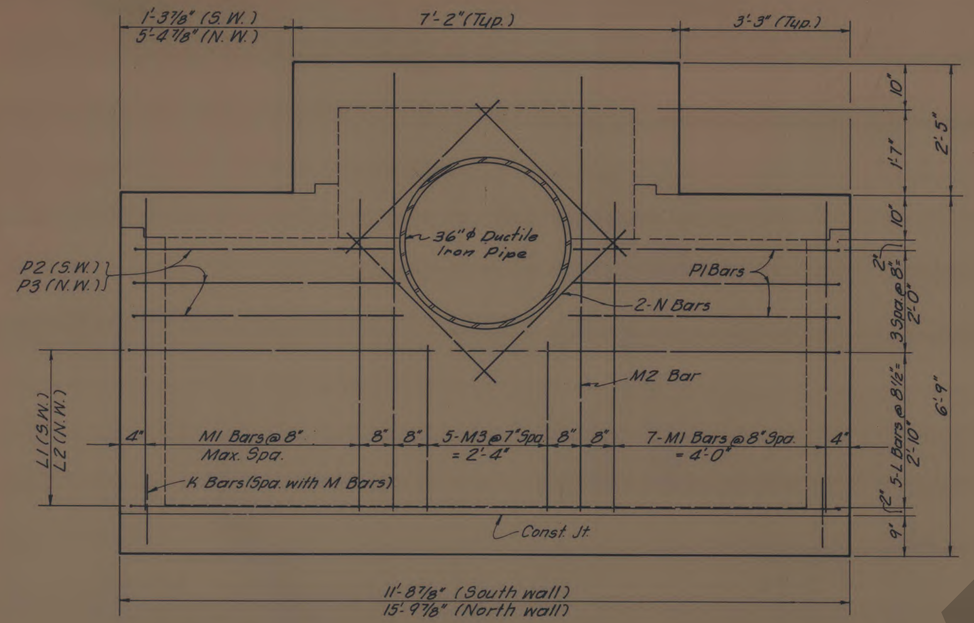
MADE E.A.M. DATE 8/72 TRACED P.K. DATE 8/72
CHECKED P.K. DATE 8/72 SCALE 3/4" = 1'-0"

AS BUILT DRAWINGS APR 21 1976

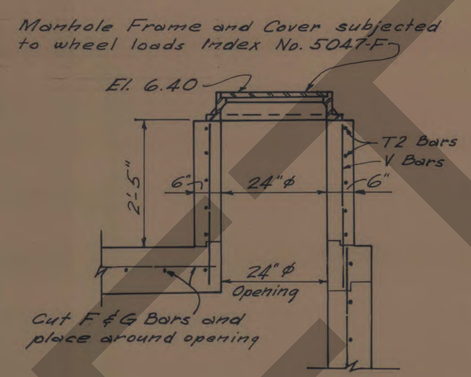
Contract Nos. 3A & 3B

84/1

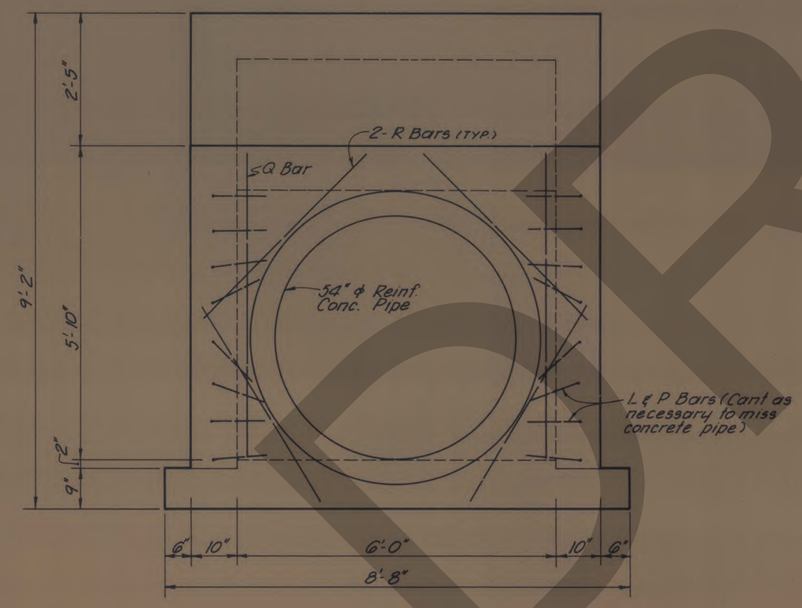
DRAFT



SECTION C-C



SECTION F-F



SECTION D-D

Note:
Section D-D is taken at outlet end of Box. The entrance end of the Box is similar.

ESTIMATED QUANTITIES		
ITEM	UNIT	QUANTITY
Class "A" Conc.	C.Y.	15.15
Reinforcing Steel	Lbs.	1483
2000 psi Grout	C.Y.	0.71

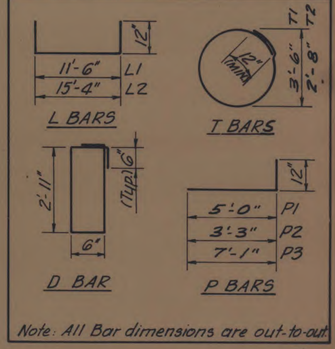
① Varies from 2'-1" to 5'-8"
② Varies from 2'-9" to 7'-0"
③ Varies from 2'-6" to 6'-3"
④ Varies from 11'-5" to 15'-7"

NOTE:

This structure shall be paid for under the item, MANHOLE (SPECIAL). Included in this item shall be the cost of removal of existing manhole and pipe, cost of concrete, reinforcing, new pipe, manhole frame and cover and all other incidental material and labor necessary to complete the construction of this structure.

REINFORCING STEEL				
MARK	SIZE	NO. REQ'D	LENGTH	TYPE
A	6	12	6'-10"	Str.
B	5	18	7'-4"	"
C	4	8	2'-3"	"
D	4	16	7'-10"	Bent
E	6	4	7'-4"	Str.
F1	4	10	3'-9"	"
F2	4	10	①	"
G1	4	7	7'-4"	"
G2	4	4	②	"
H1	8	12	8'-4"	"
H2	8	3	③	"
J	5	9	④	"
K	4	44	1'-6"	"
L1	4	5	13'-6"	Bent
L2	4	5	17'-4"	"
M1	4	30	5'-9"	Str.
M2	4	4	8'-0"	"
M3	4	10	3'-0"	"
N	4	16	4'-0"	"
P1	4	6	6'-0"	Bent
P2	4	3	4'-3"	"
P3	4	3	8'-1"	"
Q	4	4	5'-7"	Str.
R	4	16	4'-3"	"
S	3	6	6'-0"	"
T1	3	6	12'-0"	Bent
U	3	34	2'-0"	Str.
T2	3	5	9'-4"	Bent
V	4	8	3'-0"	Str.

BENDING DIAGRAM



Note: All Bar dimensions are out-to-out.

Work this sheet with sheet No. 171

NO.	REVISION	BY	DATE

TAMPA-HILLSBOROUGH COUNTY EXPRESSWAY AUTHORITY

SOUTH CROSSTOWN EXPRESSWAY

54" ϕ STORM SEWER CROSSING EXIST. 36" ϕ SAN. SEWER IN MED. STRIP OF BAYSHORE DRIVE

J. E. GREINER COMPANY — WATSON & COMPANY
CONSULTING ENGINEERS — TAMPA, FLORIDA

MADE E.A.M. DATE 8/72 — TRACED P.K. DATE 8/72
CHECKED P.K. DATE 8/72 — SCALE 3/4" = 1'-0"

AS BUILT DRAWINGS APR 21 1976

Contract Nos. 9A & 9B

WATSON AND COMPANY
ENGINEERING DIVISION
3013 HORATIO STREET
TAMPA FLORIDA

SECTION	CONTRACT	SOUTH CROSSTOWN EXPRESSWAY	SHEET NO.
10002	3510		172
By: WACO		TAMPA-HILLSBOROUGH COUNTY EXPRESSWAY AUTHORITY	Date: 2-73

STATE JOB No. 10002-3510

DRAFT

WATSON AND COMPANY
ENGINEERING DIVISION
3013 HORATIO STREET
TAMPA FLORIDA

SECTION	CONTRACT	SOUTH CROSSTOWN EXPRESSWAY	SHEET NO.
10002	3510		173
By WACO		TAMPA-HILLSBOROUGH COUNTY EXPRESSWAY AUTHORITY	Date: 2-73

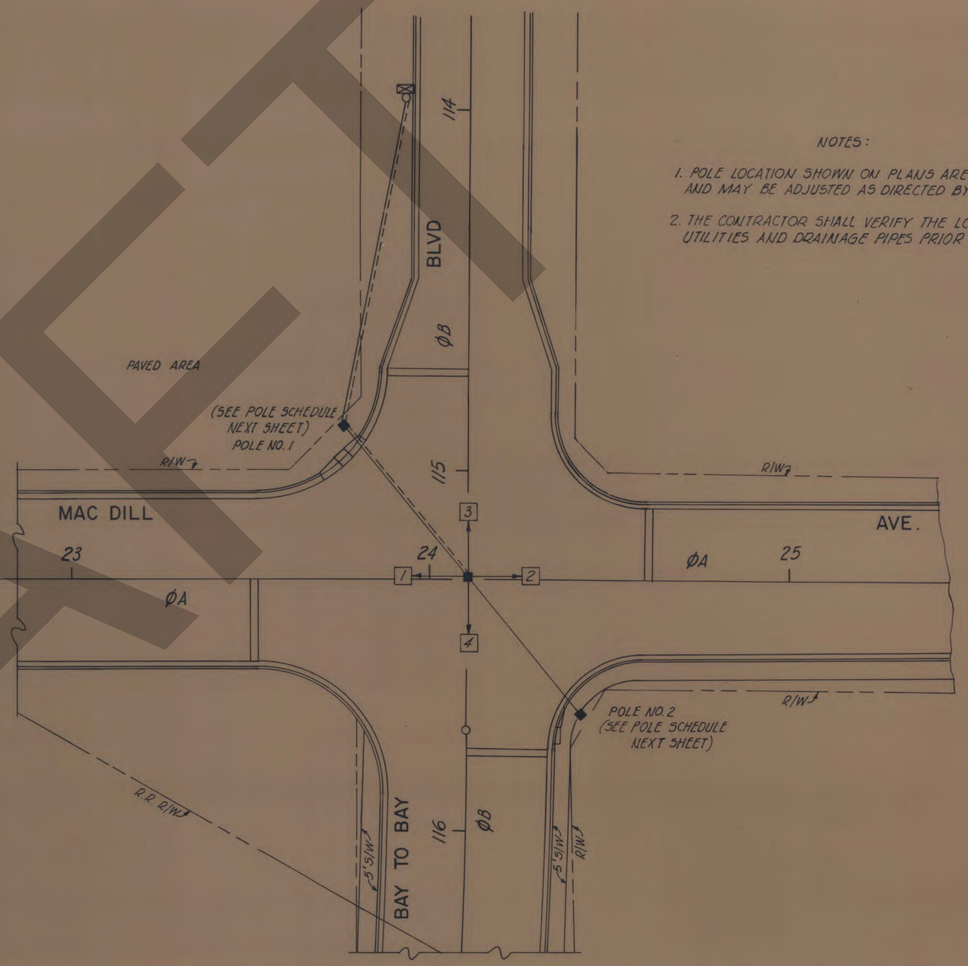
PHASE	INT.	SIGNAL FACE NOS. 1	2	3	4	MOVEMENTS
ØA MAC DILL AVE. (FIXED TIME)	R/W	G	G	R	R	
	CL.	Y	Y	R	R	
ØB BAY TO BAY BLVD. (FIXED TIME)	R/W	R	R	G	G	
	CL.	R	R	Y	Y	

SIGNAL OPERATION PLAN

CONTROLLER

EXISTING CONTROLLER TO BE WIRED TO POLE NO. 1 AND EXISTING TRAFFIC SIGNAL HEAD AS REQUIRED BY THE ENGINEER.

SCALE 1"=20'



NOTES:

1. POLE LOCATION SHOWN ON PLANS ARE APPROXIMATE AND MAY BE ADJUSTED AS DIRECTED BY THE ENGINEER.
2. THE CONTRACTOR SHALL VERIFY THE LOCATION OF UTILITIES AND DRAINAGE PIPES PRIOR TO CONSTRUCTION.

SIGNAL FACE NOS 1 2 3 4



3-SECT., 4-WAY
NOTE: ONE(1) EXISTING TO BE REUSED FOR TEMPORARY INSTALLATION BETWEEN POLE NOS. 1&2, AS SHOWN ON PLAN

DRAFT

NO.	REVISION	BY	DATE

TAMPA - HILLSBOROUGH COUNTY
EXPRESSWAY AUTHORITY

SOUTH CROSSTOWN EXPRESSWAY

SIGNALIZATION PLAN
MAC DILL AVE. AT BAY TO BAY BLVD.

J. E. GREINER COMPANY — WATSON & COMPANY
CONSULTING ENGINEERS TAMPA, FLORIDA

MADE D. MARCH DATE 8-72 TRACED G.T. DATE 7-72
CHECKED D.M. DATE 8-72 SCALE 1"=20'

APR 21 1976

AS BUILT DRAWINGS

Contract Nos. 9A & 9B

84
1

WATSON AND COMPANY
ENGINEERING DIVISION
3013 HORATIO STREET
TAMPA FLORIDA

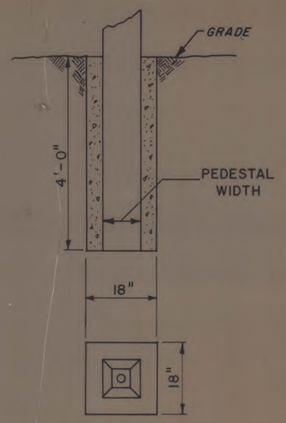
SECTION	CONTRACT	SOUTH CROSSTOWN EXPRESSWAY	SHEET NO.
10002	3510		174
WACO	TAMPA-HILLSBOROUGH COUNTY EXPRESSWAY AUTHORITY		Date: 2-73

POLE SCHEDULE

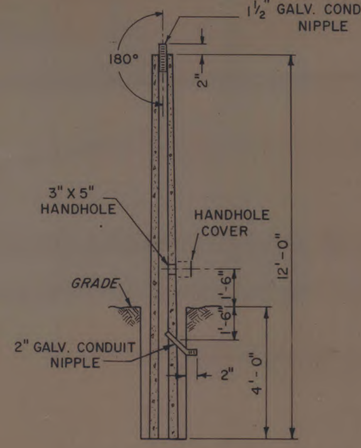
POLE NO.	TYPE	ITEM NO.	"A"	"B"	"C"	"D"	"E"	QUANTITY
1&2	V		6'-0"	6'-6"	8'-0	38'	3'-0	2

GENERAL NOTES

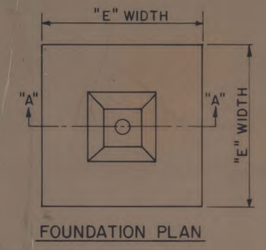
1. SALVAGE AND REUSE ALL EXISTING TRAFFIC SIGNAL EQUIPMENT WITH THE EXCEPTION OF THOSE POLES PRESENTLY BEING USED TO SUSPEND THE EXISTING TRAFFIC SIGNAL HEAD.
2. AS INDICATED ON THE SIGNALIZATION PLAN SHEET, CONCRETE STRAIN POLES NUMBERED ONE(1) AND TWO(2), (AS DESCRIBED IN POLE SCHEDULE), SHALL BE INSTALLED IN THE LOCATIONS SHOWN.
3. ANY ADDITIONAL MATERIALS REQUIRED TO COMPLETE THIS INSTALLATION WILL BE FURNISHED BY THE CONTRACTOR.



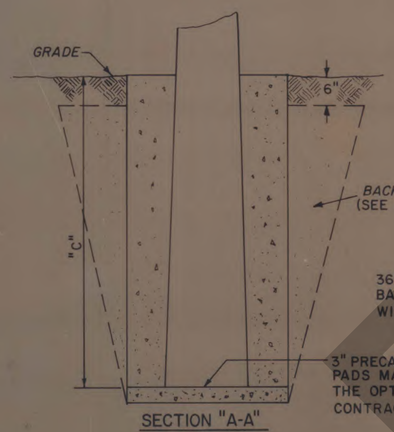
DETAIL OF CONCRETE PEDESTAL BASE



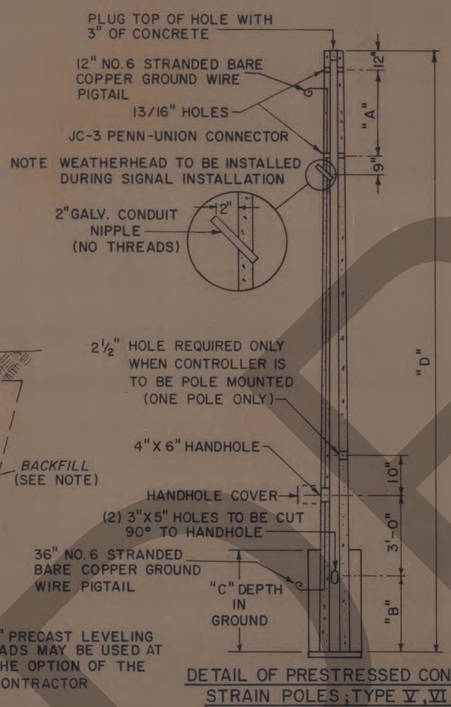
CONCRETE PEDESTAL TYPE II



FOUNDATION PLAN



SECTION "A-A"



DETAIL OF PRESTRESSED CONCRETE STRAIN POLES; TYPE V, VI, & VII

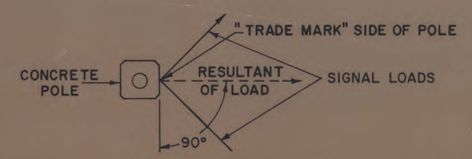
FOUNDATION NOTES

EXCAVATION & BACKFILL EXCAVATION AND BACKFILL FOR FOOTINGS SHALL BE IN ACCORDANCE WITH ARTICLES 125-4 AND 125-8.2 WITH THE FOLLOWING EXCEPTION. IN LIEU OF THE REQUIREMENTS FOR OBTAINING THE SPECIFIED DENSITY, THE BACKFILL MAY BE HAND TAMPED IN FOUR INCH MAXIMUM LAYERS OR MACHINE TAMPED IN SIX INCH MAXIMUM LAYERS. THE MATERIAL SHALL BE NEITHER DRY NOR SATURATED. BACKFILLING MAY BE DONE WITH POURED CONCRETE AT THE OPTION OF THE CONTRACTOR.

CONCRETE FOOTING: TO BE POURED WITH CLASS "NS" CONCRETE.

FORMS: SHALL BE IN ACCORDANCE WITH ARTICLE 600-8.3 (IF THE FOOTING IS POURED IN AN OVERSIZED HOLE, THE CONCRETE IN TOP SIX INCHES SHALL BE PLACED IN A FORM AND ALL EXPOSED SURFACES SHALL BE TROWELED TO A SMOOTH FINISH.

FOUNDATION SIZE REQUIREMENTS		
POLE TYPES	"E" WIDTH	"C" DEPTH
V	3'-0"	7'-0"
VI	3'-6"	8'-0"
VII	4'-0"	8'-0"
NOTE: THE DIMINSIONS ABOVE ARE MINIMUM.		



POLE PLACEMENT PLAN

NO	REVISION	BY	DATE

TAMPA-HILLSBOROUGH COUNTY EXPRESSWAY AUTHORITY

SOUTH CROSSTOWN EXPRESSWAY

SIGNALIZATION DETAILS
MAC DILL AVE. AT BAY TO BAY BLVD.

J. E. GREINER COMPANY — WATSON & COMPANY
CONSULTING ENGINEERS — TAMPA, FLORIDA

MADE D. MARCH DATE 8-72 | TRACED G.T. DATE 7-72
CHECKED D.M. DATE 8-72 | SCALE NOT TO SCALE

APR 21 1975

AS BUILT DRAWINGS

Contract Nos. 9A & 9B

84/1

DRAFT

Q.6 THEA South Crosstown Expressway – Howard Ave and Watrous Ave (includes existing 5’ x10’ box culvert beneath CSX railroad)

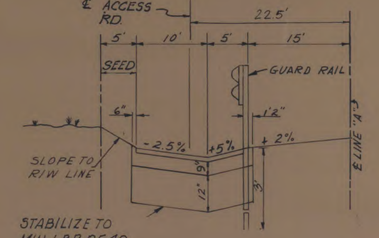
DRAFT

SECTION	CONTRACT	SOUTH CROSSTOWN EXPRESSWAY	SHEET NO.
10002	3510		40
By: WACO		TAMPA-HILLSBOROUGH COUNTY EXPRESSWAY AUTHORITY	Date: 2-73

WATSON AND COMPANY
ENGINEERING DIVISION
3012 HORATIO STREET
TAMPA FLORIDA

S. MOODY AVE.
STA. 1+80.00 BEGIN CONST.
Asph. Pav't.
CONNECT TO EXIST. PAVT.
5' CURB TRANS.
S-44 STA. 2+00 CONST. INLET TYPE P-6
CONST. 52' OF 15" PIPE
S-43 STA. 2+00 CONST. INLET, TYPE P-6
CONST. 6" CURB, 1.5' GUTTER (BOTH SIDES)
8" G.M.
4" W.M.
INLET TO BE REMOVED
PC STA. 2+16.85
CURVE NO. 1 DATA
PI STA. 2+98.02
Δ = 10°06'04"
D = 14°00'00"
R = 409.26'
T = 36.17'
L = 72.15'
3' CURB TRANS. TO DROP CURB
CONST. DROP CURB
CURVE NO. 2 DATA
PI STA. 3+84.17
Δ = 12°30'04"
D = 14°00'00"
R = 409.26'
T = 44.83'
L = 89.29'
SCALE 1" = 20'
STA. 216+16.55 ℄ LINE "A"
STA. 24+37.22 ℄ HOWARD AVE.
CONST. R.R. CROSSING TYPE "L" FOR ADDITIONAL DETAILS SEE INDEX NO. 1466
(TO REMAIN) 18" RCP
MH TO REMAIN S-41-D
CONST. 24" PIPE
REMOVE INLET
S-45 STA. 214+00 (20' LT.) CONST. VALLEY INLET, TYPE VA
CONST. 118' OF 18" PIPE
ACCESS RD. N 38° 42' 27" E
8" G.M.
CONST. 204' OF 18" PIPE
DROP CURB (TYP.) 18"
CONST. 150' GUARD RAIL INDEX NO. 2300
STA. 215+15 END CONST.
CONST. 12.5 GUARD RAIL, INDEX NO. 2300 Q MOD
S-46 STA. 24+45 (20' LT.) HOWARD AVE. CONST. M.H. TYPE P-7
STA. 2+91.18 WATROUS
RETURN NO. 4
S-49 STA. 25+22.58 CONST. INLET, TYPE P-6
CONST. DROP CURB
CONST. 38' OF 15" PIPE
3-47 STA. 25+45 CONST. INLET, TYPE P-5
CONST. 6" CURB, 1.5' GUTTER
CONST. 18' OF 18" PIPE
N 00° 32' 27" E
STA. 217+00
JETTON AVE.
℄ R/W LINE
Asph. Pav't.
2" W.M.
CONNECT TO EXIST. PAVT.
RETURN NO. 5
S-48 STA. 25+59.37 CONST. INLET TYPE P-6 DROP CURB
4" Granite Curb
8" G.M.
12" W.M.
STA. 25+77.34 END CONST.
CONNECT TO EXIST. PAVT.
5' TRANSITION TO EXIST. CURB
CONST. 38' OF 18" PIPE (CLASS III) WITH STD. ENDWALLS & "U" TYPE WINGS INDEX NO. 200.
DROP CURB (TYP.)
3' CURB TRANS. (TYP.)
CONST. 10'x5' CONC. BOX CULVERT - SEE DETAIL SHEET "170"
N 38° 42' 27" E
NOTE: 10'x 18' BOX EXTENDER 28.0'
STA. 214+11 (20' RT.) LINE A CONST. STD. HEADWALL WITH "U" TYPE WINGS, INDEX NO. 200
STA. 214+58 (63' RT.) CONST. STD. HEADWALL "U" TYPE WINGS, INDEX NO. 200
STA. 213+27 (20' RT.) LINE A CONST. STD. HEADWALL WITH "U" TYPE WINGS INDEX NO. 200
STA. 213+14.53 ℄ LINE "A"
STA. 3+24.46 ℄ WATROUS AVE.
CONST. R.R. CROSSING TYPE "L" FOR ADDITIONAL DETAILS SEE INDEX NO. 1466
PT STA. 3+34.01
PC STA. 3+39.34
CONST. 6" CURB, 1.5' GUTTER BOTH SIDES
CONST. 84' 24" PIPE
CONST. 24' OF 15" PIPE
PT STA. 4+28.63
RETURN NO. 2
S-50 STA. 4+67.68 WATROUS AVE. CONST. INLET, TYPE P-6
CONST. 6" CURB, 1.5' GUTTER (BOTH SIDES)
CONNECT TO EXIST. 12" W.M.
FUTURE PIER LOCATION (TYP.)
HOWARD AVENUE
NEW 4" WATER MAIN
4" W.M.
℄ SURVEY
CONST. 230' OF 10'x 5' CONC. BOX CULVERT FLA. D.O.T. STANDARD INDEX NO. 8013 MOD.
4-6" ELECTRIC DUCTS FOR FUTURE USE
STA. 215+21.60 ℄ SURVEY
STA. 23+32.03 ℄ HOWARD AVE.
STA. 22+37.45 ℄ HOWARD AVE.
STA. 4+91.23 ℄ WATROUS AVE.
2 B.T. (100 & 200 PR.)
RETURN NO. 1
5' TRANSITION TO EXIST. CURB
STA. 21+57 BEGIN CONST.
P.I. STA. 22+76.01
RETURN NO. 3
5' TRANSITION TO EXIST. CURB
B.T. (600 PR.)
℄ R/W Line
CONNECT TO EXIST. PAVT.
STA. 5+50 END CONST.
4" Granite Curb
Asph. Pav't.
8" G.M.
SIDEWALK
12" W.M.
WATROUS AVE.
Asph. Pav't.
S 89° 55' 53" E
N 4° 30" E
213 214 215 216 217
20 21 22 23 24 25 26

NOTE; FOR SPECIAL PROFILES SEE SHEETS 41, 70, & 71



STABILIZE TO MIN. LBR. OF 40

LIMEROCK BASE (9" THICK, DOUBLE COURSE) PRIMED WITH TYPE S-1 ASPHALTIC CONCRETE SURFACE COURSE (3" THICK) BOTTOM LAYER (1½" THICK) TOP LAYER (1½" THICK)

SCALE 1"= 2' VERT. 1"= 10' HORIZ.

SECTION A-A

AS BUILT
APR 21 1976

NO.	REVISION	BY	DATE
1	ADDED 230' of 10'x 5' CONC. BOX CULVERT	JNC	4-25-74

TAMPA - HILLSBOROUGH COUNTY EXPRESSWAY AUTHORITY

SOUTH CROSSTOWN EXPRESSWAY

PLAN
HOWARD AVE. & WATROUS AVE.

J. E. GREINER COMPANY — WATSON & COMPANY
CONSULTING ENGINEERS TAMPA, FLORIDA

MADE S.P.	DATE 4/72	TRACED S.P.	DATE 4/72
CHECKED D.M.	DATE 4/72	SCALE 1"= 20'	

AS BUILT DRAWINGS
Contract Nos. 9A & 9B

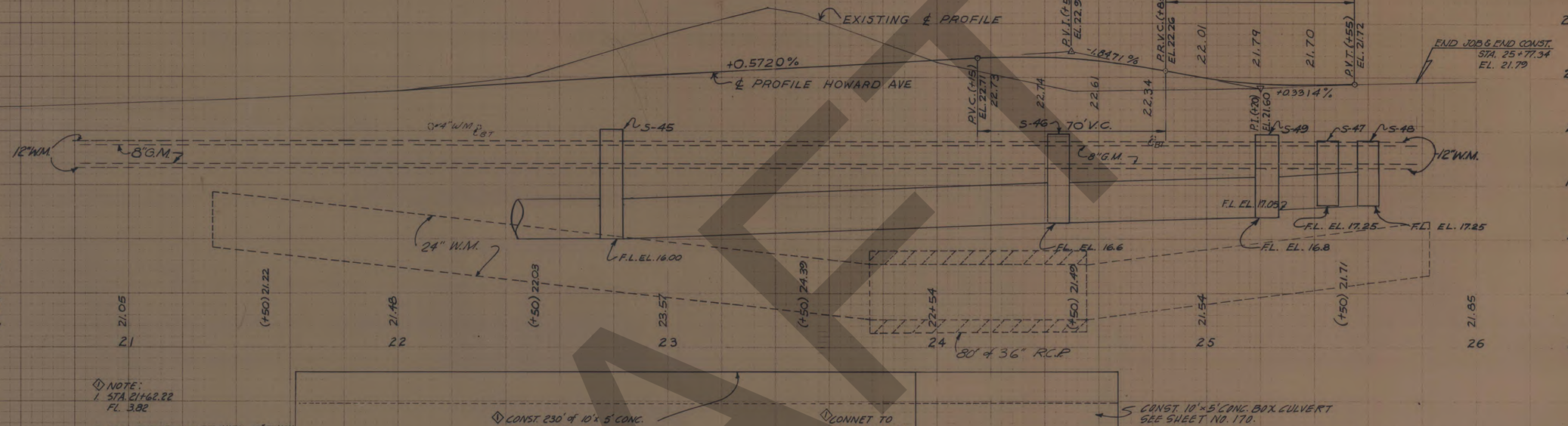
84
1

NO.	REVISION	BY	DATE
1	Added 230' of 10'x 5' CONC. BOX CULVERT	JNC	9-25-74

SECTION	CONTRACT	SOUTH CROSSTOWN EXPRESSWAY	SHEET NO.
10002	3510		41
By: WACO		TAMPA-HILLSBOROUGH COUNTY EXPRESSWAY AUTHORITY	Date: 2-73

WATSON AND COMPANY
ENGINEERING DIVISION
3013 HORATIO STREET
TAMPA FLORIDA

NOTE:
FOR SPECIAL PROFILES ON EDGES OF PAV'T
SEE SHEET NO 71



① NOTE:
1. STA 21+62.22
FL. 3.82

2. SEAL END OF CULVERT WITH 12" THICK BRICK WALL. COST OF BRICK WALL TO BE INCLUDED IN CONTRACT UNIT PRICE FOR CLASS "A" CONCRETE

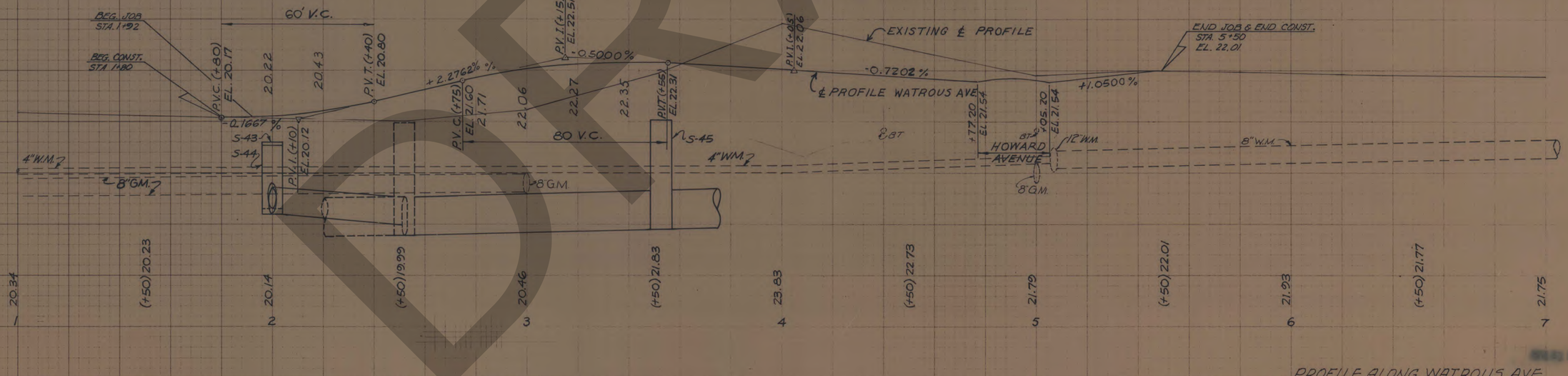
① CONST. 230' of 10'x 5' CONC. BOX CULVERT FLA. D.O.T. STANDARD INDEX NO. 8013 MOD.

① CONNET TO EXIST CULVERT.

5 CONST. 10'x5' CONC. BOX CULVERT SEE SHEET NO. 170.

PROFILE ALONG HOWARD AVE.

NOTE:
FOR SPECIAL PROFILES ON EDGES OF PAVT.
SEE SHEET NO. 70



PROFILE ALONG WATROUS AVE.

AS BUILT DRAWINGS
APR 21 1976
Contract Nos. 9A & 9B

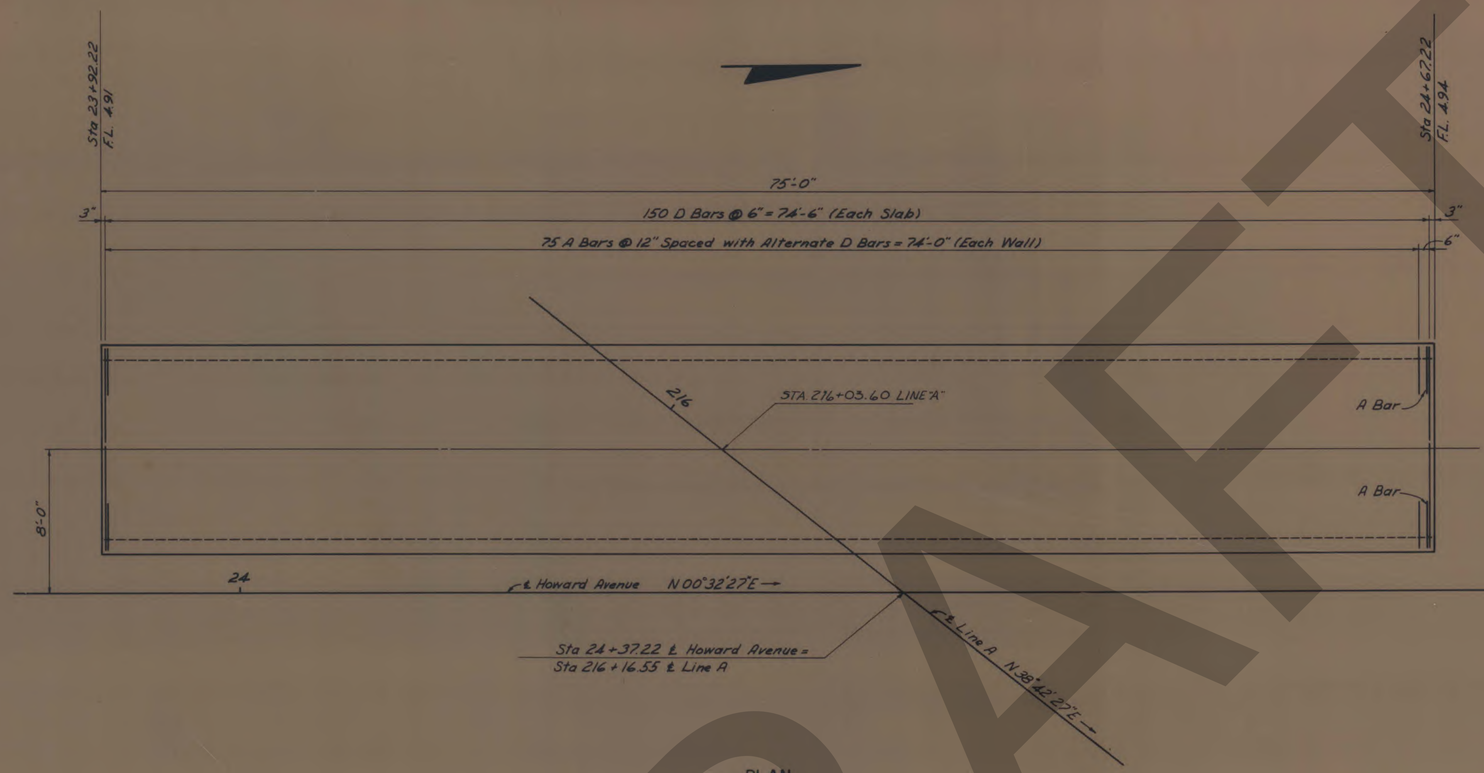
84-1

DRAFT

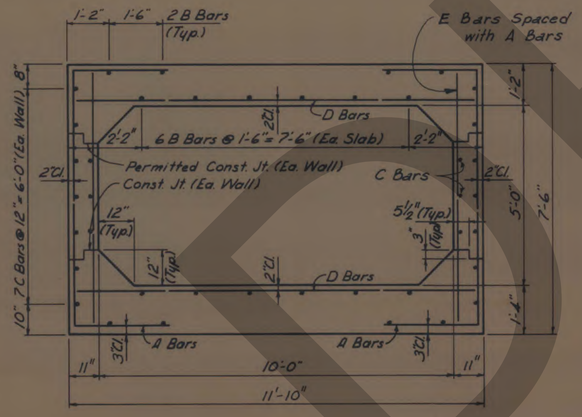
WATSON AND COMPANY
ENGINEERING DIVISION
3013 HORATIO STREET
TAMPA FLORIDA

SECTION	CONTRACT	SOUTH CROSSTOWN EXPRESSWAY	SHEET NO.
10002	3510		170
By WACO	TAMPA-HILLSBOROUGH COUNTY EXPRESSWAY AUTHORITY		Date 2-73

STATE JOB No. 10002-[illegible]



PLAN



SECTION

Notes:

1. *Design is in accordance with A.A.S.H.O. Standard Specifications for Highway Bridges, 1969 Edition, and A.R.E.A. Manual of Recommended Practice, Chapter 8, 1968 Edition.*
2. *Loadings are HS20-44 and Cooper E 72.*
3. *Maximum Foundation Pressure is 3330 psf.*
4. *Construction shall be in accordance with Florida State Road Department Standard Specifications for Road and Bridge Construction, 1966 Edition.*
5. *Seal Ends of Culvert with 12" thick Brick Walls. Cost of Brick Walls to be included in Contract Unit Price for Class A Concrete.*

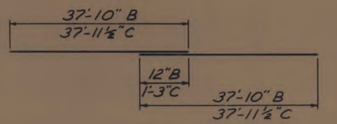
BILL OF REINFORCING

MARK	SIZE	NO. REQ'D	LENGTH	BENDING
A	9	152	12'-5"	Bent
B	4	20	75'-8"	See Diag.
C	5	20	75'-11"	"
D	8	300	11'-4"	Straight
E	4	152	7'-0"	"

BENDING DIAGRAMS



A BAR



B & C BARS

ESTIMATED QUANTITIES

ITEM	UNIT	QUANTITY
Class A Concrete	C.Y.	113.2
Grade 40 Rein. Steel	Lb.	18,800

NO	REVISION	BY	DATE

TAMPA-HILLSBOROUGH COUNTY
EXPRESSWAY AUTHORITY

SOUTH CROSSTOWN EXPRESSWAY

BOX CULVERT AT HOWARD AVE.

J. E. GREINER COMPANY — WATSON & COMPANY
CONSULTING ENGINEERS — TAMPA, FLORIDA

MADE	T.D.	DATE	1/73	TRACED	T.D.	DATE	1/73
CHECKED	E.A.M.	DATE	1/73	SCALE			

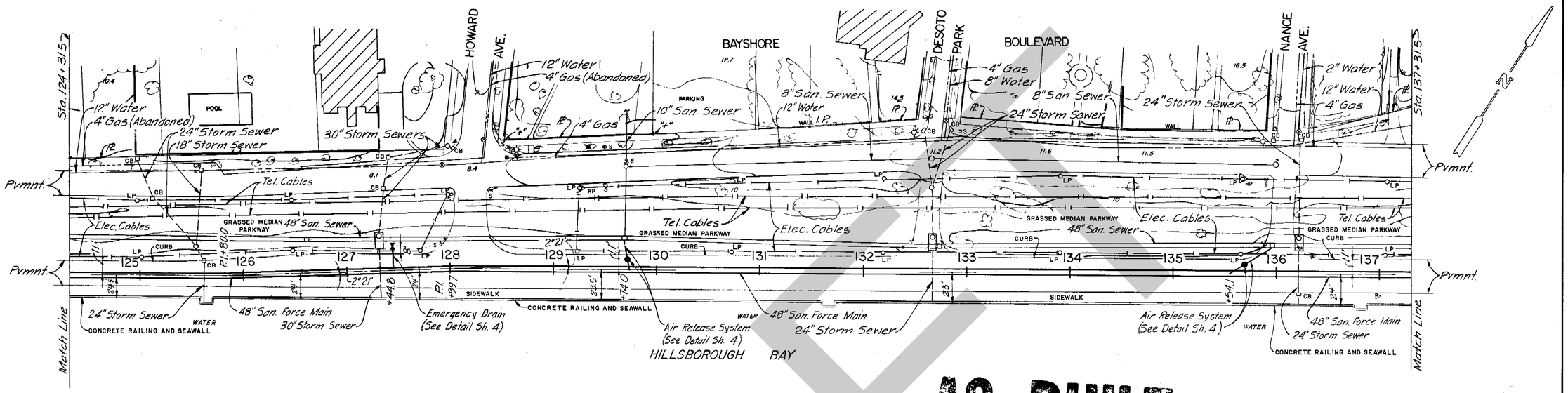
AS BUILT DRAWINGS APR 21 1976

Contract Nos. 9A & 9B

DRAFT

Q.7 Interbay Force Main (City of Tampa Sewage Disposal System)

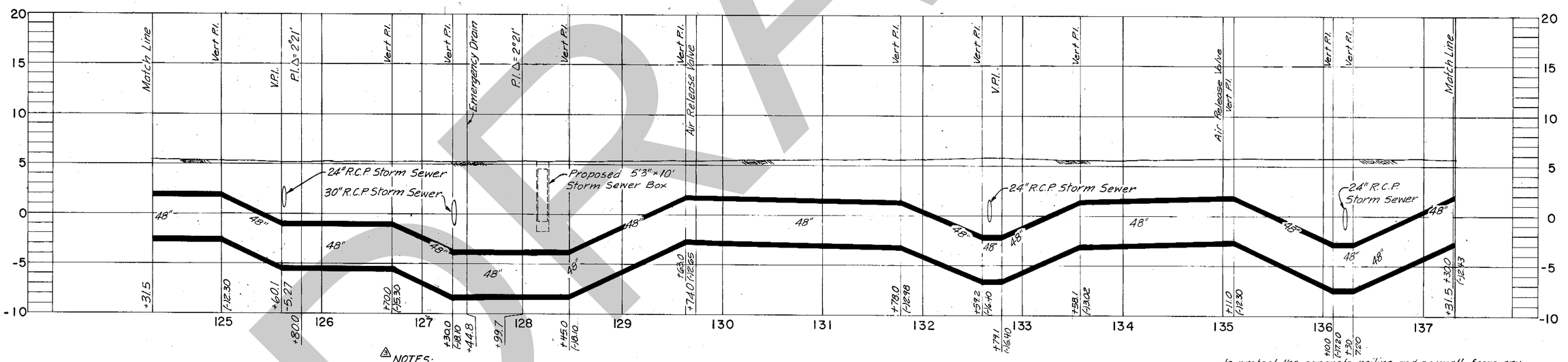
DRAFT



AS BUILT

PLAN

Existing Pavement: Asphaltic Concrete on Red Brick



NOTES:

1. Under no circumstances shall the Contractor operate any equipment or store any materials upon the grassed median parkway along Bayshore Blvd. other than light-weight trenching equipment as required to install air release and emergency drain piping. The Contractor shall protect the grassed median parkway and its adjacent curb from any damage due to his operations.
2. The Contractor shall take all precautions necessary to protect the concrete railing and seawall from any damage due to his operations.

PROFILE

COMPILED BY PHOTOGRAMMETRIC METHODS BY
ABRAMS AERIAL SURVEY CORPORATION
LANSING, MICHIGAN
DATE OF PHOTOGRAPHY OCTOBER 1970 DATE OF MAPPING FEBRUARY 1971

RP REFERENCE POINT
THESE SELECTED POINTS ARE PLOTTED WITH EXTREME CARE AND ARE RECOMMENDED AS BASIC TIES DURING CONSTRUCTION.

GREELEY AND HANSEN
ENGINEERS
14 E. JACKSON BOULEVARD
CHICAGO, ILLINOIS 60604

DESIGNED JRT, RAK, TLW
DRAWN AA
CHECKED TLW

APPROVED
_____ DATE _____
SUPT., DEPT. OF SANITARY SEWERS
_____ DATE _____
GREELEY AND HANSEN, ENGINEERS

NO.	DATE	APP.	REVISION
4	11/82	CL	AS-BUILT/CONTRACTOR SURVEY
3	11/1/79	TLW	Add Note 1 & 2
2	10/31/79	TLW	Rev. Title & Sheet Number
1	7/6/79	TLW	Rev. Entire Plan & Profile

SCALE
50 0 50 100 FT HORIZ. 1"=50'
5 0 5 10 VERT. 1"=5'

CITY OF TAMPA, FLORIDA
SEWAGE DISPOSAL SYSTEM
INTERBAY FORCE MAIN

DIVISION 4F5A
PLAN AND PROFILE
STA. 124+31.5 TO STA. 137+31.5

PROJ. NO. S202-70-30 D 4F5A
SHEET 16 OF 34
DATE JAN. 1973 REV. 3

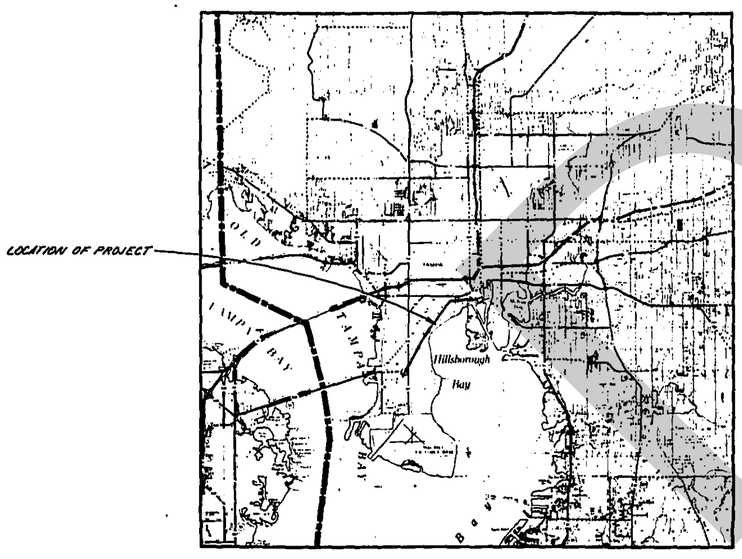
172-11

DRAFT

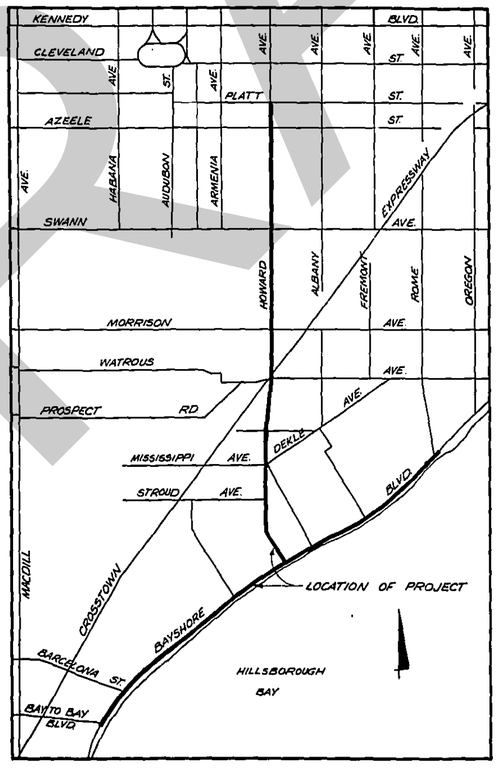
Q.8 City of Tampa Water Department – Cleaning and Lining (Bashore Blvd, Howard Ave)

DRAFT

TAMPA WATER DEPARTMENT



VICINITY MAP



LOCATION MAP

SPINIELLO CONSTRUCTION COMPANY
SUPERINTENDENT: A. SPADONE
877-6061
EXT. 645

CONTRACTOR'S EMERGENCY NIGHT
TELEPHONE NUMBER: 839-7319
EXT. 2

INDEX OF SHEETS

1. COVER SHEET
2. QUANTITY SHEET & PLAN
2A. PLAN
3. PLAN
3A. PLAN

JAE 7-8-82
✓ 9-8-82

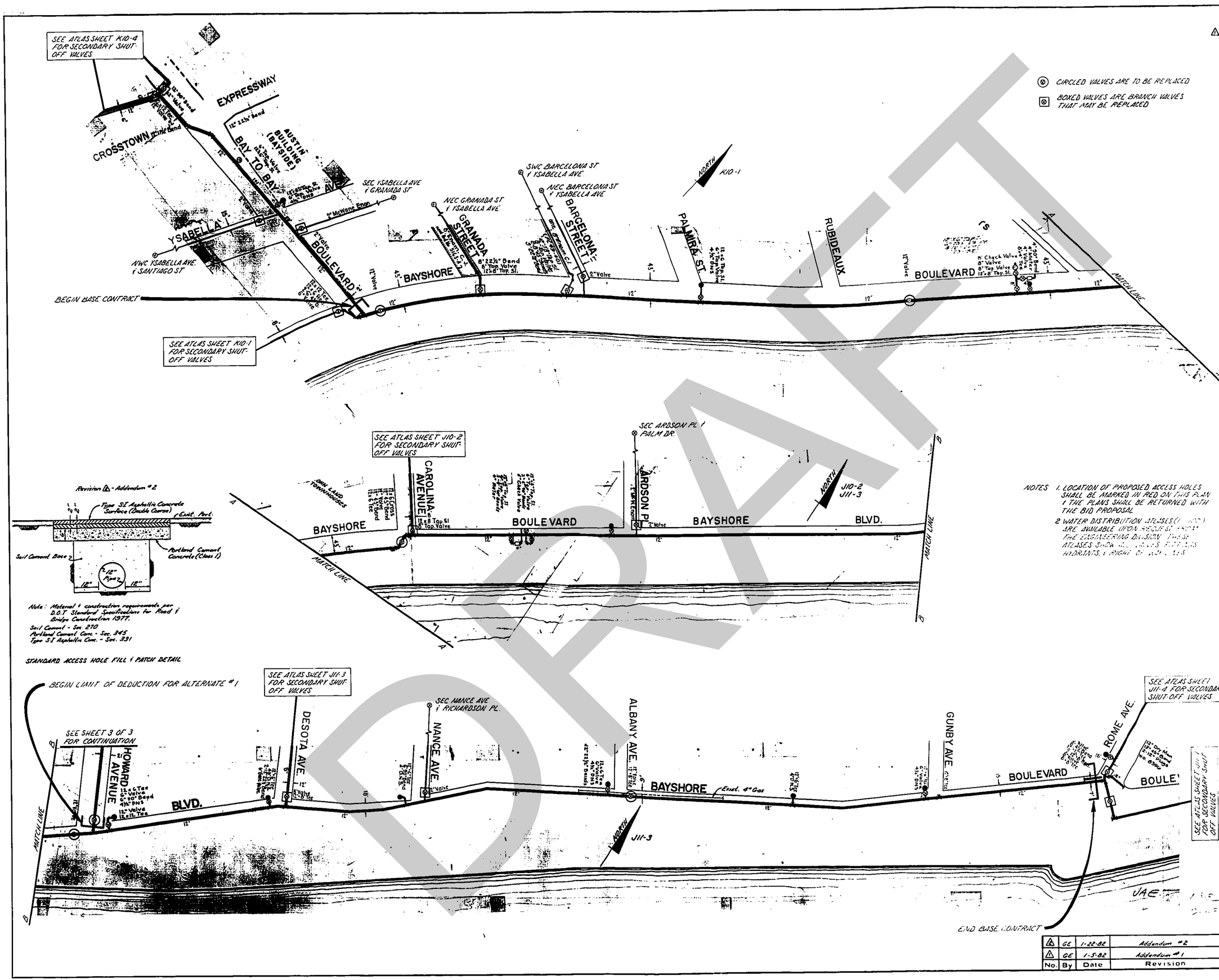
ENGINEERING DIVISION
CITY OF TAMPA
WATER DEPARTMENT

SHEETS 1 TO 3 INCLUSIVE, CERTIFIED BY:

CHIEF ENGINEER
FLA. PE No. 17622
DATE 12/17/81

CHIEF DESIGN ENGINEER
FLA. PE No. 31378
DATE 17 Dec 81

A7-2-27



NOTES
1. LOCATION OF PROPOSED ACCESS HOLES SHALL BE MARKED IN RED ON THIS PLAN & THE PLANS SHALL BE RETURNED WITH THE BID PROPOSAL
2. WATER DISTRIBUTION ATLASES ([illegible]) ARE AVAILABLE UPON REQUEST FROM THE ENGINEERING DIVISION. THESE ATLASES SHOW [illegible] HYDRANTS, & RIGHT OF [illegible]

BILL OF MATERIALS				
Size	Item	Make-Type	Est	Act
12"	GATE VALVE		11	

PERMIT ■ City ☐ County ☐ State ☐
Approved
Number
Date Released For Construction

CALL "CANDY" 1-800-282-8881 | Date | Request No
Contractor
Inspector
Job Started | Completed
Job Stopped | Reason
Pressure Test | Date | Allowable Leakage | Actual Leakage | Inspector
Re-Test
Bacteriological Test | No 1 Date | Results | No 2 Date | Results | Re-Test Date | Results
Final Inspection | Date | Inspector | Re-Inspection | Date | Inspector
Acceptance Date | Const Eng
"As-Built" Submitted | Accepted / Approved By | Date

Atlas Ref. | As-Built Ref.
Scale
100 0 100 200 FT HORIZ 1" = 100'

CITY OF TAMPA
WATER DEPARTMENT
ENGINEERING DIVISION

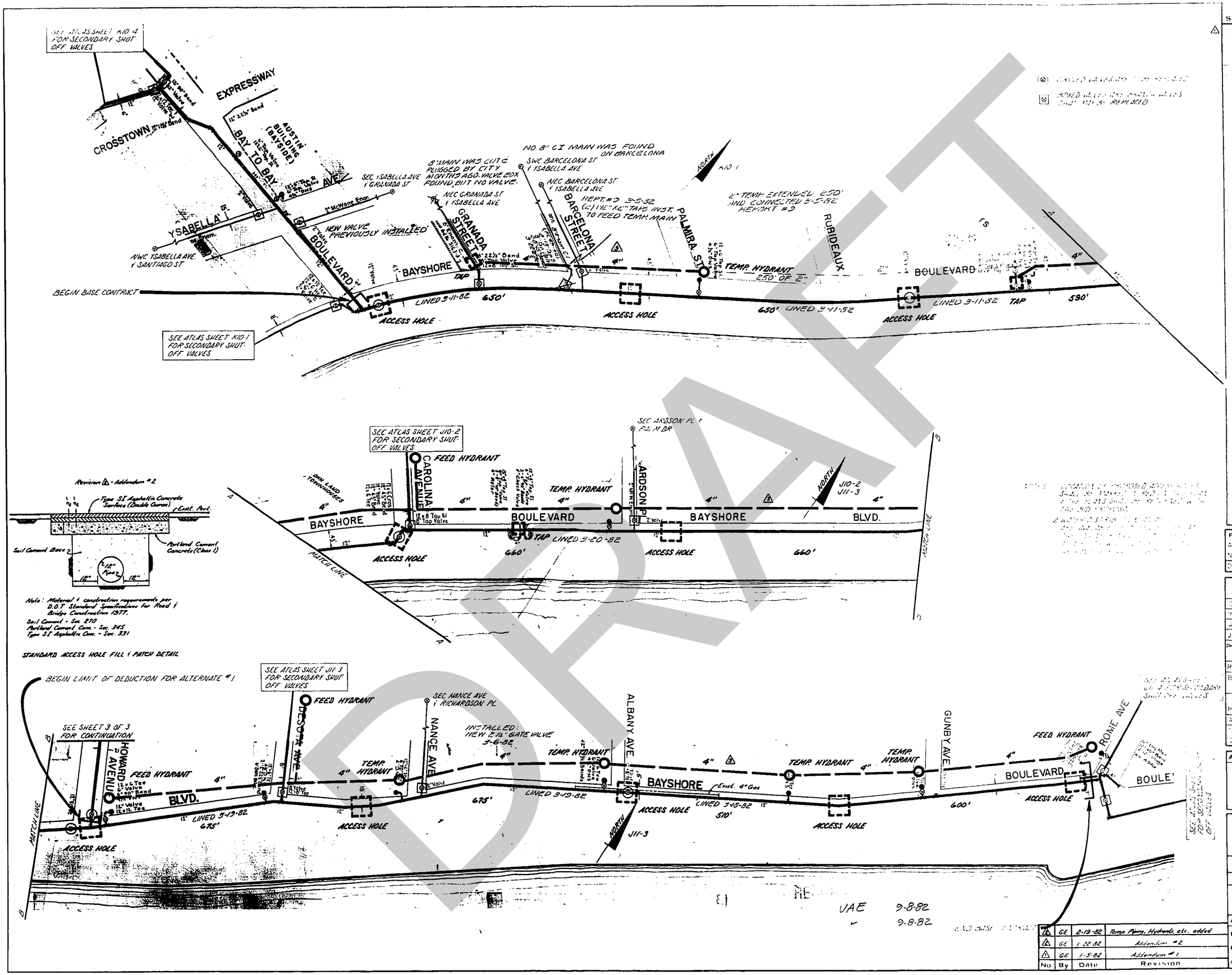
CLEANING & LINING

BAYSHORE BLVD. - from Bay to Bay Blvd. to Rome Ave.
HOWARD AVE. - from Bayshore Blvd. to Platt St.

Approved H.A. Niles Jr. Date 17 Dec 81
Des: HAN | W.O. 8626 | File Bayshore Blvd.
Dwn: GE | DRAWING NUMBER 82-034 | FILE NUMBER
Ckd: DEW | Sheet 2 of 3 Sheets

No.	By	Date	Revision
2	GE	1-22-82	Addendum #2
1	GE	1-5-82	Addendum #1

DRAFT



BILL OF MATERIALS

Size	Item	Make-Type	Est	Act
			11	

PERMIT ■ City ☐ County ☐ State ☐
Approved
Number
Date Released for Construction

CALL "CANDY" 1-800-282-8881 | Date | Request No
Contractor SPINIELLO CONST
Inspector
Job Started | Completed
Job Stopped | Reason
Pressure Test | Date | Acceptable Leakage | Actual Leakage | Inspector
Re-Test
Bacteriological Test | No. Date | Results | No. 2 Date | Results | Re-Test Date | Results
Final Inspection | Date | Inspector | Re-Inspection | Date | Inspector
Acceptance Date | Const. Eng.
"As Built" | Accepted
Submitted | Approved By | Date

Atlas Ref. | As-Built Ref.
Scale
100 0 100 200 FT HORIZ 1" = 100'

CITY OF TAMPA
WATER DEPARTMENT
ENGINEERING DIVISION

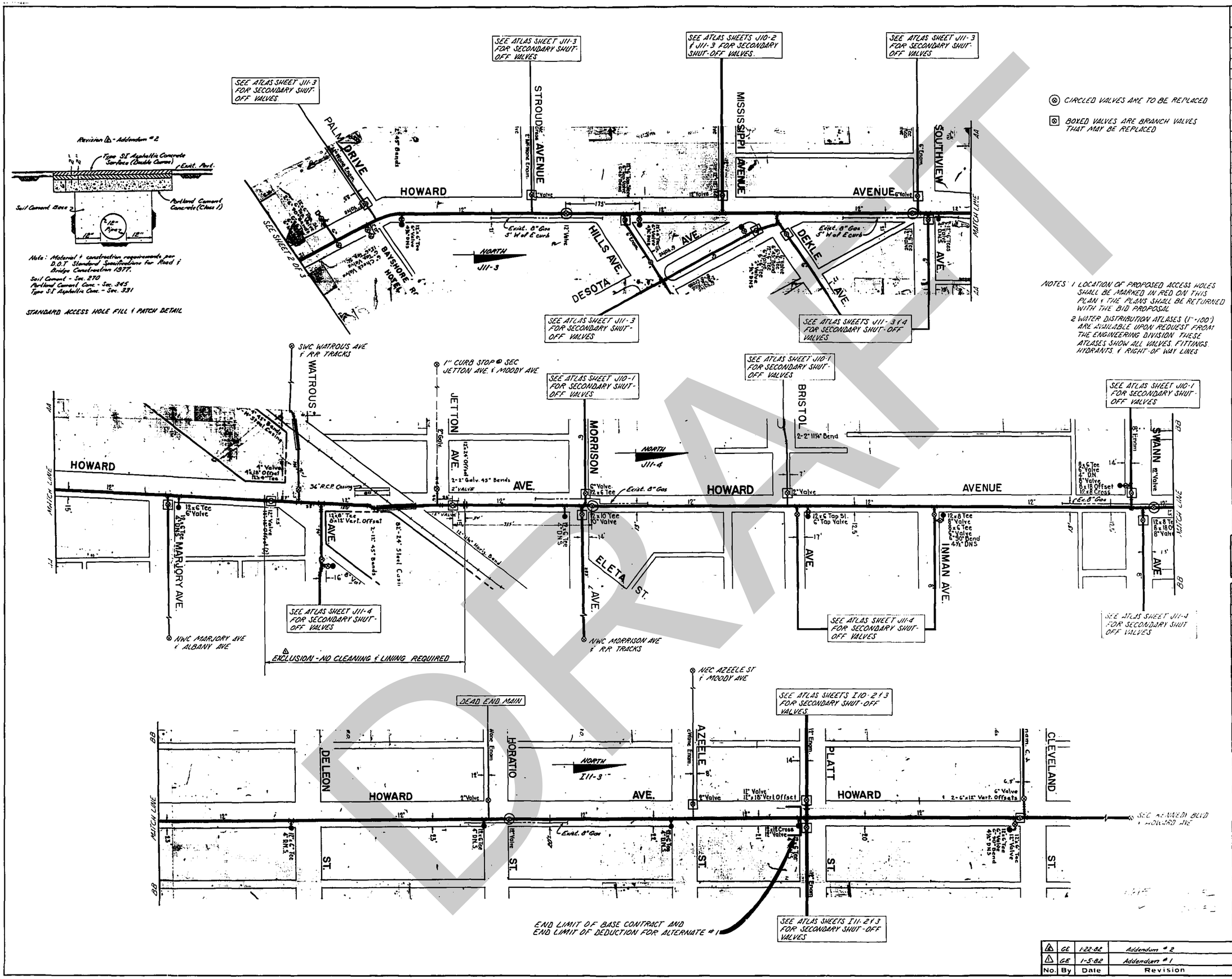
CLEANING & LINING

TEMPORARY PIPING & HYDRANTS, & ACCESS LOCATIONS
BAYSHORE BLVD - from Bay to Bay Blvd to Rome Ave
HOWARD AVE - from Bayshore Blvd to Platt St

Approved H.A. Niles Jr. Date 17 Dec 81
Des: | W.O. 8626 | File Bayshore Blvd
Dwn: | DRAWING NUMBER 82-034 | FILE NUMBER A7-2-29
Ckd | Sheet 2A of 3 Sheets

No	By	Date	Revision
3	GE	2-19-82	Temp. Piping, Hydrants, etc. added
2	GE	1-22-82	Addendum #2
1	GE	1-5-82	Addendum #1

DRAFT



⊗ CIRCLED VALVES ARE TO BE REPLACED

⊠ BOXED VALVES ARE BRANCH VALVES THAT MAY BE REPLACED

NOTES: 1 LOCATION OF PROPOSED ACCESS HOLES SHALL BE MARKED IN RED ON THIS PLAN & THE PLANS SHALL BE RETURNED WITH THE BID PROPOSAL

2 WATER DISTRIBUTION ATLASES (1"=100') ARE AVAILABLE UPON REQUEST FROM THE ENGINEERING DIVISION. THESE ATLASES SHOW ALL VALVES, FITTINGS, HYDRANTS, & RIGHT-OF-WAY LINES

DRAFT

BILL OF MATERIALS				
Size	Item	Make-Type	Est	Act
	SEE SHEET 2 OF 3			

PERMIT ■ City ☐ County ☐ State ☐
Approved
Number
Date Released For Construction

CALL "CANDY" 1-800-282-8881	Date / Request No
Contractor	
Inspector	
Job Started	Completed
Job Stopped	Reason

Pressure Test	Date	Allowable Leakage	Actual Leakage	Inspector
Re-Test				

Bacteriological Test	No. 1 Date / Results	No. 2 Date / Results	Re-Test Date / Results
Final Inspection	Date / Inspector	Re-Inspection	Date / Inspector

Acceptance Date — Const Eng.
"As-Built" Submitted — Accepted / Approved By — Date

Atlas Ref. — As-Built Ref.
Scale
100 0 100 200 FT
HORIZ 1"=100'

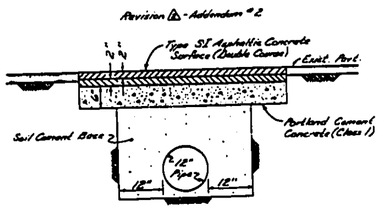
CITY OF TAMPA
WATER DEPARTMENT
ENGINEERING DIVISION

CLEANING & LINING

BAYSHORE BLVD. - from Bay to Bay Blvd. to Rome Ave.
HOWARD AVE. - from Bayshore Blvd. to Platt St.

Approved H. A. Wiley Date 17 Dec 81
Des: HAN — W.O. 8626 — File Bayshore Blvd.
Dwn: GE — DRAWING NUMBER 82-034 — FILE NUMBER A7-2-30
Ckd: DEW — Sheet 3 of 3 Sheets

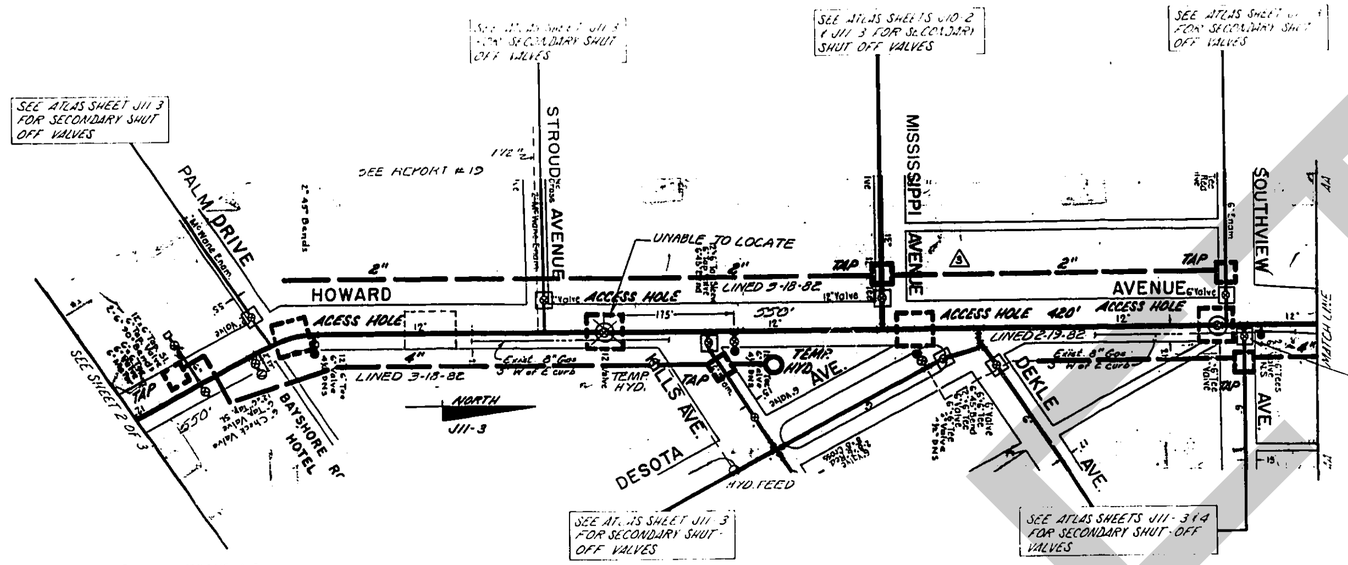
No.	By	Date	Revision
△	GE	1-22-82	Addendum #2
△	GE	1-5-82	Addendum #1



Note: Material & construction requirements per D.O.T. Standard Specifications for Road & Bridge Construction 1977.

Soil Cement - Sec. 270
Portland Cement Conc. - Sec. 345
Type S.I. Asphaltic Conc. - Sec. 331

STANDARD ACCESS HOLE FILL & PATCH DETAIL



Ⓢ CIRCLED VALVES ARE TO BE REPLACED

Ⓢ BOXED VALVES ARE BRANCH VALVES THAT MAY BE REPLACED

NOTES
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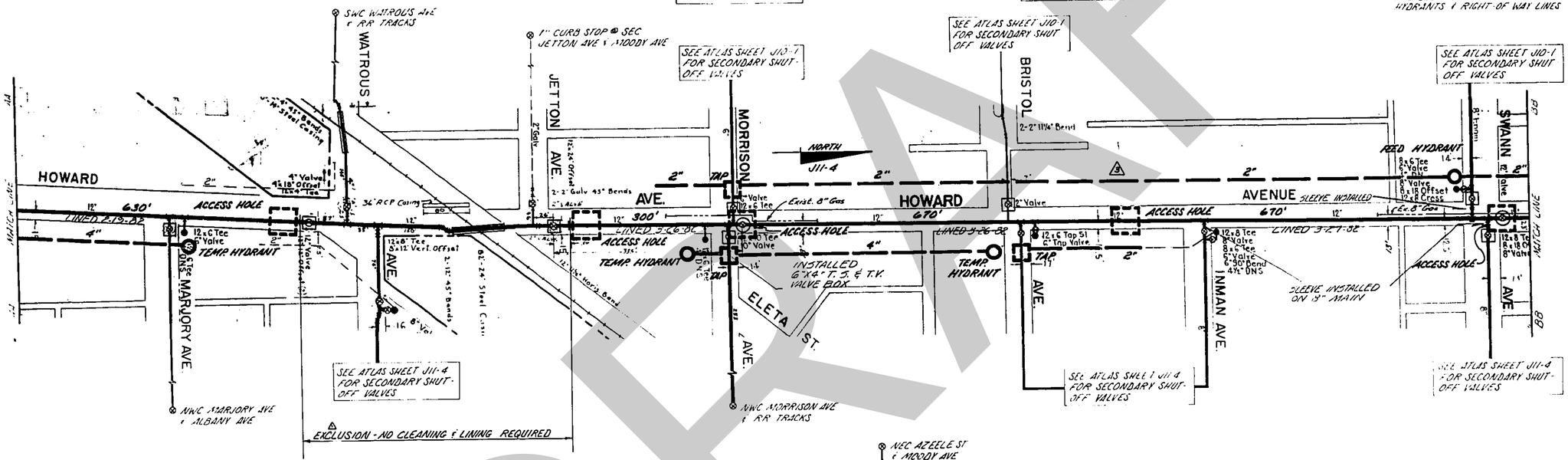
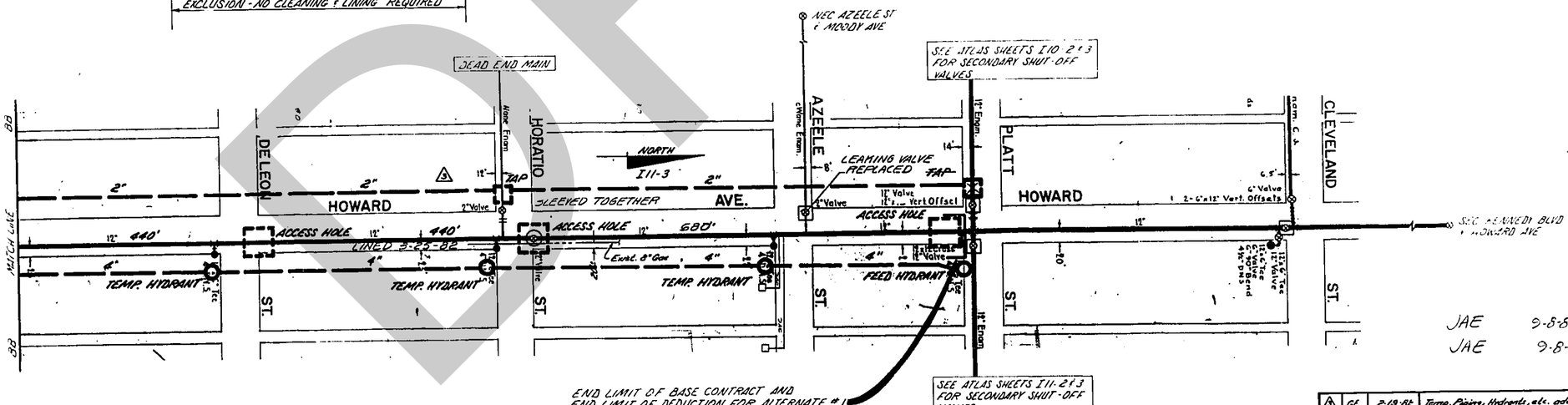
2 WATER DISTRIBUTION ATLASES (1"=100') ARE AVAILABLE UPON REQUEST FROM THE ENGINEERING DIVISION THESE ATLASES SHOW ALL VALVES, FITTINGS HYDRANTS & RIGHT-OF-WAY LINES





JAE 9-8-82
JAE 9-8-82

No.	By	Date	Revision
3	GE	2-19-82	Temp. Piping, Hydrants, etc. added
2	GE	1-22-82	Addendum # 2
1	GE	1-5-82	Addendum # 1

BILL OF MATERIALS

Size	Item	Make-Type	Est	Act

PERMIT ■ City ☐ County ☐ State ☐
Approved
Number
Date Released For Construction

CALL "CANDY" 1-800-282-8881 | Date | Request No.
Contractor
Inspector
Job Started | Completed
Job Stopped | Reason

	Date	Allowable Leakage	Actual Leakage	Inspector
Pressure Test				
Re-Test				

Bacteriological Test	No. 1 Date	No. 2 Date	Re-Test Date
	Results	Results	Results

Final Inspection: Date / Inspector — Re-Inspection: Date / Inspector
Acceptance Date | Const. Eng.
"As-Built" Submitted | Accepted / Approved By | Date

Atlas Ref. | As-Built Ref.
Scale: 100 0 100 200 FT HORIZ 1"=100'

CITY OF TAMPA
WATER DEPARTMENT
ENGINEERING DIVISION

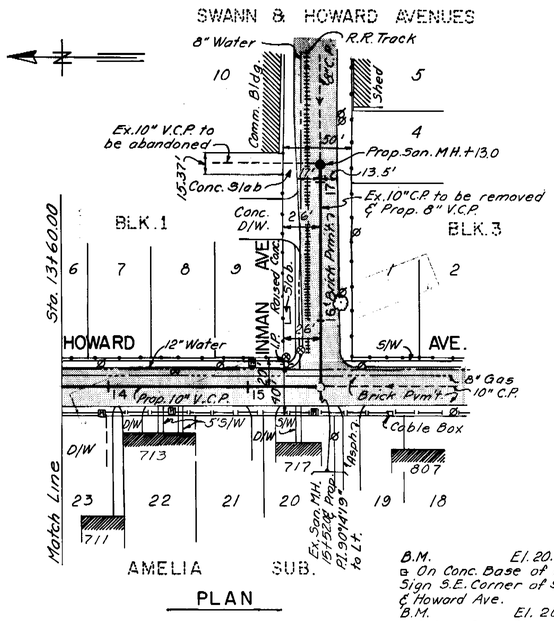
CLEANING & LINING
TEMPORARY PIPING & HYDRANTS, & ACCESS LOCATIONS
BAYSHORE BLVD. - from Bay to Bay Blvd. to Rome Ave.
HOWARD AVE. - from Bayshore Blvd to Platt St.

Approved W. H. Wilcox Date 17 Dec 81
Des: HAN | W.O. 8626 | File Bayshore Blvd.
Dwn: GE | Drawing Number 82-034 | File Number A7-2-31
Chd: DEW | Sheet 3A of 3 Sheets

DRAFT

Q.9 City of Tampa Sewer Improvements (Howard-Swann Area)

DRAFT

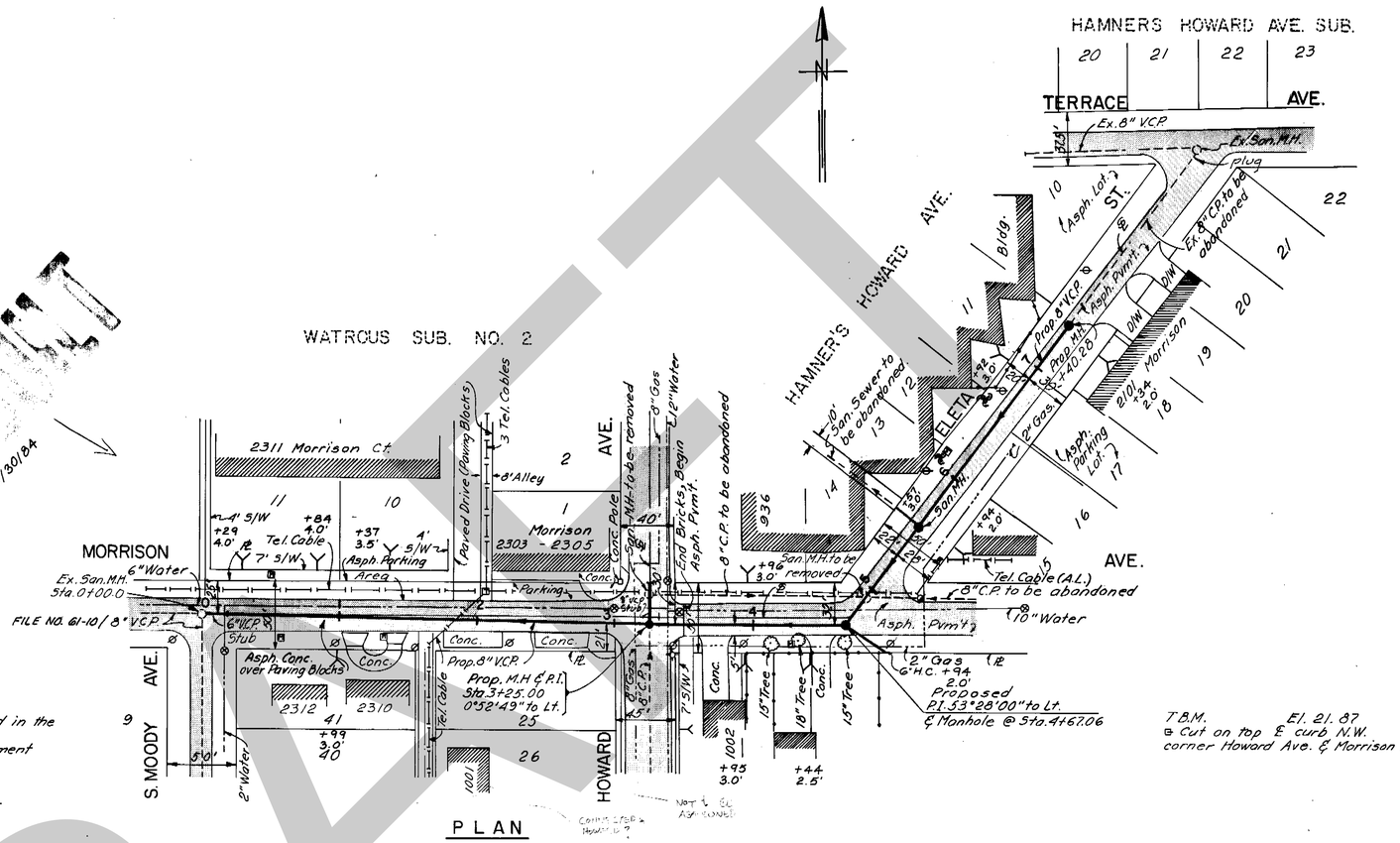


B.M. El. 20.50
⊡ On Conc. Base of Commercial Sign S.E. Corner of Swann Ave. & Howard Ave.
B.M. El. 20.58
⊡ Cut on Conc. Base of Commercial Sign S.E. Corner of Swann Ave. & Howard Ave.

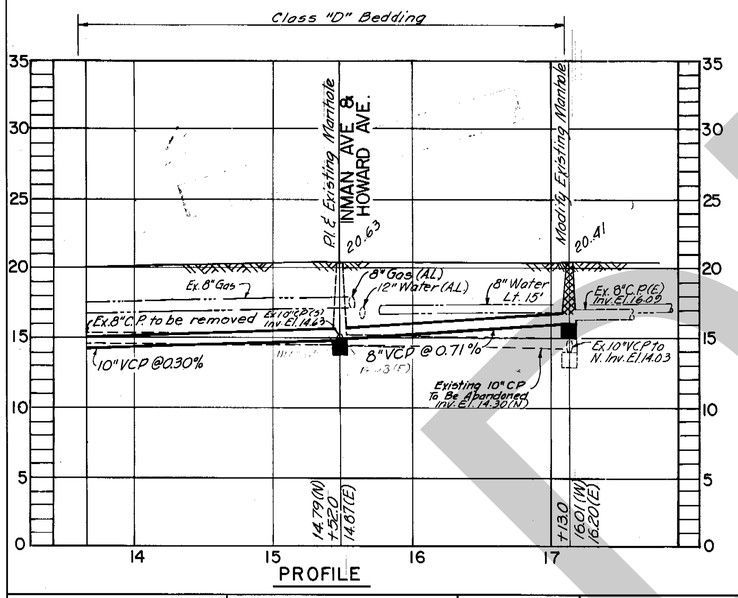
NOTES

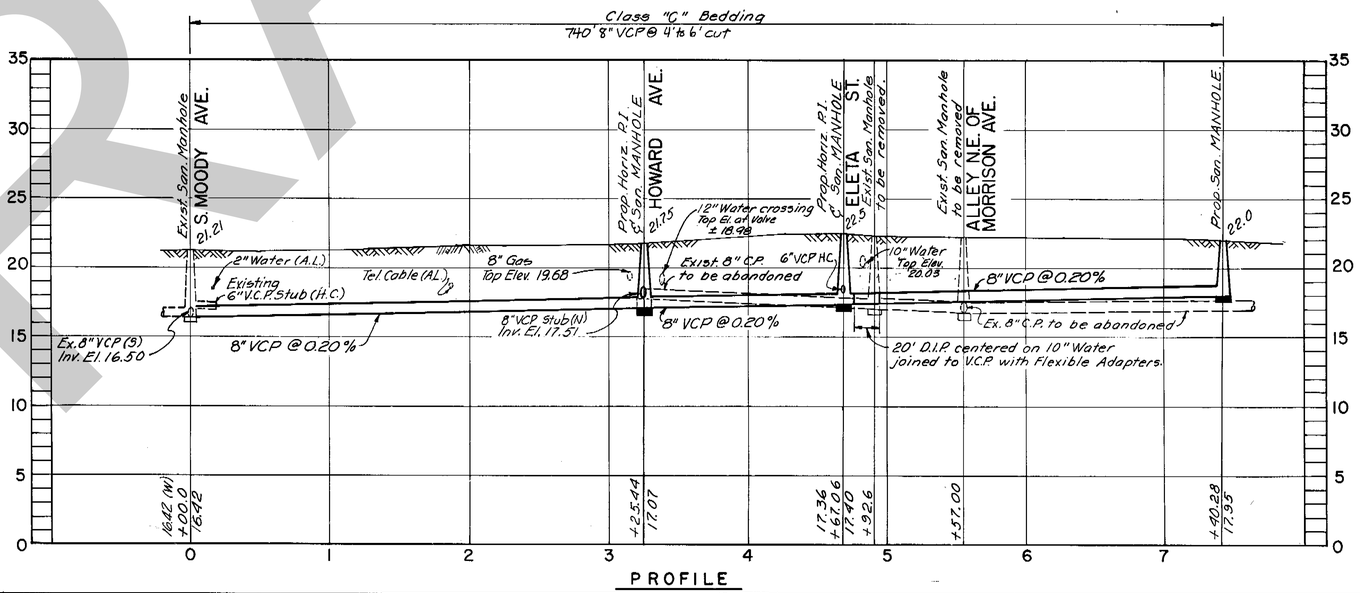
1. Exact location of house laterals to be determined in the field.
2. Reconnect house connections to proposed replacement line while maintaining continuous sewage flow.
3. Replace brick in place
4. All utility locations are approximate. Notify proper authorities prior to beginning construction.





T.B.M. El. 21.87
⊡ Cut on top E curb N.W. corner Howard Ave. & Morrison Ave.





	Ralph L. Metcalf, II, P.E. # 23041 CHIEF ENGINEER DEPARTMENT of SANITARY SEWERS	DES: J.A. / W.M.A. DRN: Clerk CKD: RLM DATE: 7/83	APPROVED BY Elton G. Smith, P.E. DIRECTOR DEPARTMENT of SANITARY SEWERS

No.	DATE	REVISIONS
1	9/14/83	ADDED STUB @ MH STA 3+25.0; HC's;
2		HOUSE LATERAL @ MH STA 4+67.0
3		
4		
5		

SCALE
50 0 50 100
1" = 50'

DEPARTMENT of SANITARY SEWERS
CITY of TAMPA, FLORIDA
RENEWAL & REPLACEMENT
SEWER IMPROVEMENT

HOWARD - SWANN AREA.: [redacted]
Morrison Ave., from S. Moody Ave. to Eleta St., Eleta St. from Morrison Ave. to N.E. 273' ±

SHEET 4 OF

C 177-36 <847

DRAWING 44-132-29917

DRAFT

Q.10 Swann Ave – Armenia Ave to Packwood Ave – Utility Adjustment Plans (potable water)

DRAFT

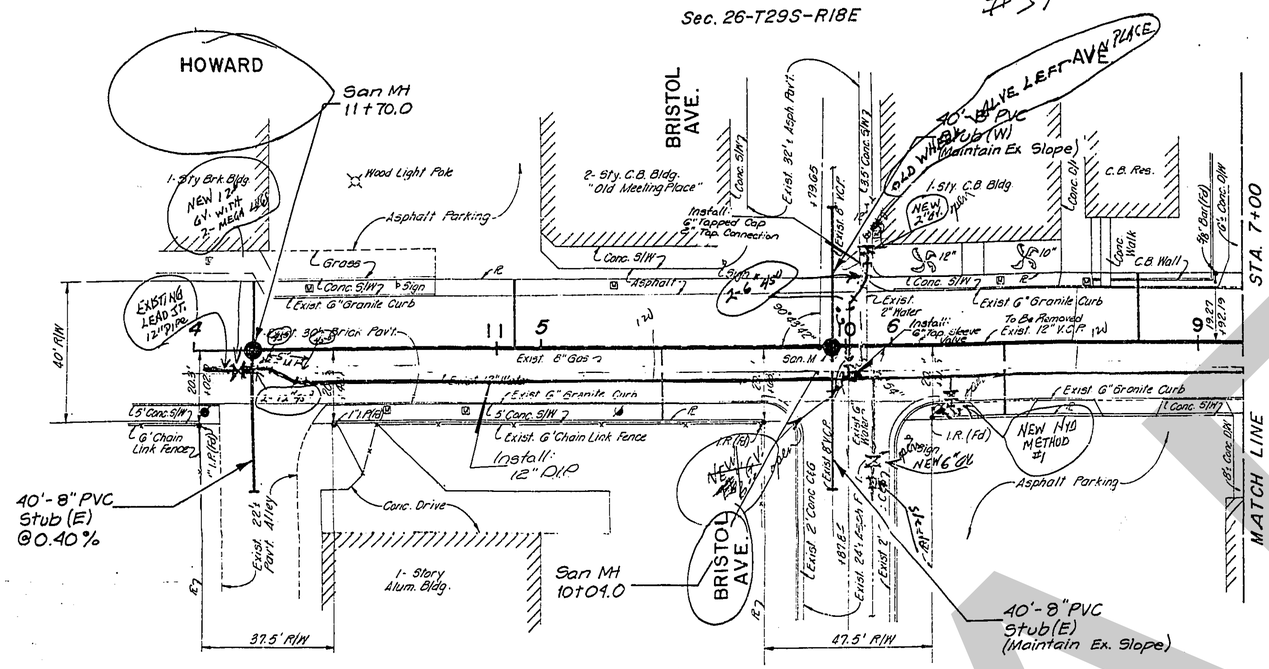
AF 12087

Scale: 1"=20'

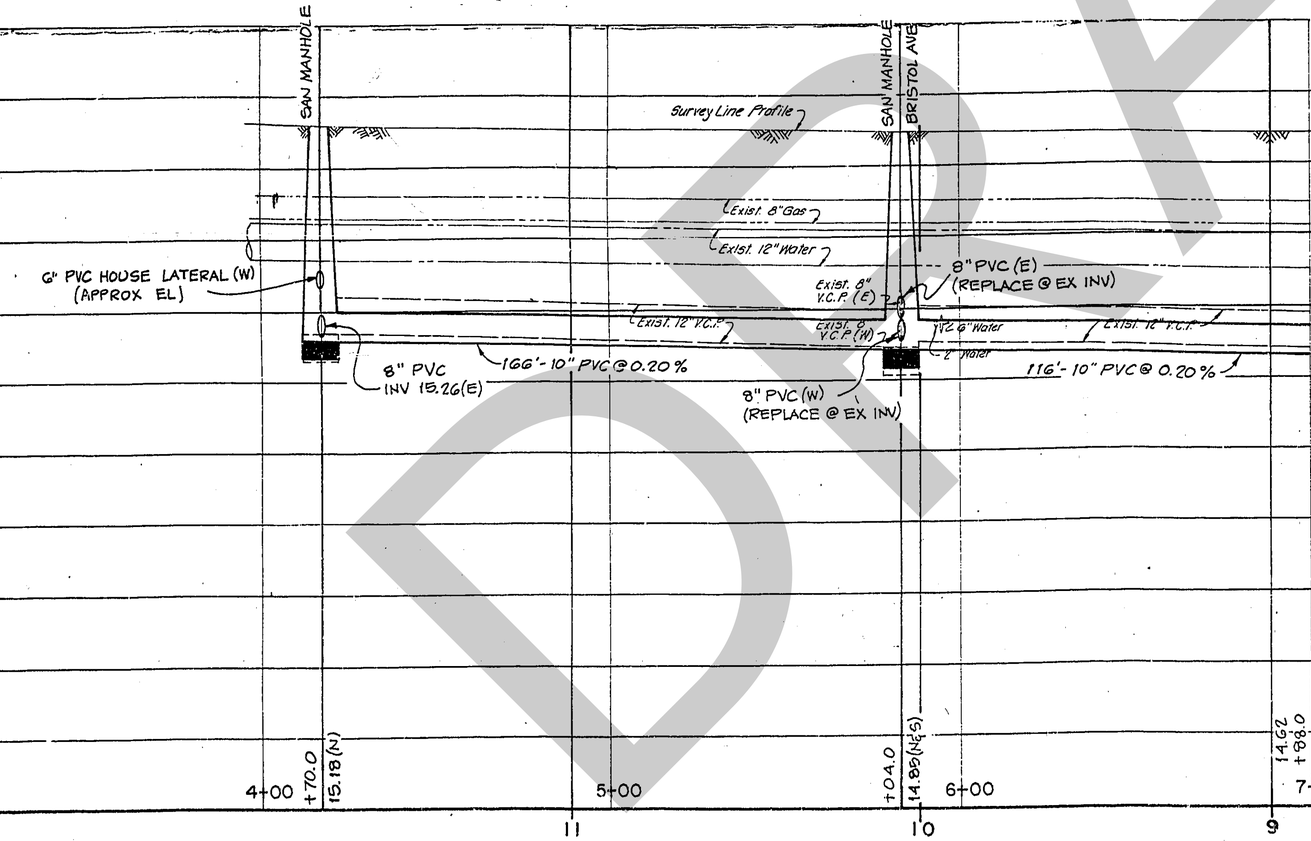
SHEET #39

Sec. 26-T29S-R18E

Benchmark Elev. 20.58
Cut In N.E. Cor. Conc. Sign Foundation Of Union 76 Sign S.E. Cor. Swann Ave. And Howard Ave.



NOTE:
WATER AND GAS LOCATIONS ARE APPROXIMATE AS SHOWN.



Record Drawing
Tech: BK
Date: 5-16-91
W.O.: 6476
File: Swann Ave

ANDREW T CRONBERG, PE #32560
CHIEF ENGINEER
DEPARTMENT of SANITARY SEWERS

APPROVED BY
JACK P MORRISS, PE
DIRECTOR
DEPARTMENT of SANITARY SEWERS

FLD&E
Florida Land Design & Engineering, Inc.
one north dale mabry
suite seven hundred
tampa, florida 33609

HOWARD AVENUE

PUBLIC WORKS DEPARTMENT
CITY OF TAMPA, FLORIDA

SWANN AVENUE

ARMENIA AVE. TO PACKWOOD AVE.

Designed:	Date:	Drawn: A.P.F.	Date: 4-6-88	Checked:	Date:
Reviewed:	Date:	Approved:	Date:	Scale: 1"=20' Hor., 1"=2' Vert.	

FIELD BOOK:

FILE No. A-2-73 | JOB No. 6895 | SHEET 39 of 50

No.	Date	REVISION	By

SANITARY SEWER CONSTRUCTION PLANS

011-4-50

DRAFT

AF 12087

SHEET 45

SWANN

HOWARD

WESTLAND

AVE.

MATCH LINE

MATCH LINE

STA. 5+00

STA. 6+00

STA. 12+00

(18) STA 4+55 (LT) (@ HOWARD AVE)
CONST. INLET TYPE B-R-1
F.L. 15.75

(19) STA. 4+55 (RT) (@ HOWARD AVE)
CONST INLET TYPE B-R-1
F.L. 14.00

(29) STA 10+66 (LT)
CONST. INLET TYPE B-R-2
F.L. 14.31

(28) STA. 11+38 (LT)
CONST. INLET TYPE B-R-1
F.L. 14.50

(20) STA. 4+55 (@ HOWARD AVE)/(18' LT)
CONST. M.H. TYPE J-7T
(3.5' x 6' I.D.)
INV. 15" (W) 13.71
INV. 15" (E) 13.80
F.L. 13.31

(15) STA. 6+50 (LT.)
CONST. INLET TYPE B-V-1
F.L. 15.60

(16) STA. 6+50 (RT.)
CONST. INLET TYPE B-V-1
F.L. 14.00

(17) STA. 6+50 (5' LT.)
CONST. M.H. TYPE J-7T
(6' x 8' I.D.)
INV. 15" (N) 15.58
INV. 15" (S) 13.89
F.L. 13.18

(40) STA. 8+12 (LT)
CONST. INLET TYPE B-S-1
F.L. 14.00

(41) STA. 8+05 (RT.)
CONST. INLET TYPE B-R-2
F.L. 15.80

(42) STA. 8+12 (5' LT.)
CONST. M.H. TYPE J-7T
(6' x 8' I.D.)
INV. 15" (N) 13.93
INV. 15" (S) 13.70
F.L. 18.01

(39) STA. 9+22 (5' LT.)
CONST. CONFLICT M.H. TYPE J-7T
(4' x 8' I.D.)
F.L. 12.90
BOTTOM EL. 11.40

(31) STA. 10+70 (RT)
CONST INLET TYPE B-R-1
INV. 13" (E) 14.62
F.L. 14.37

(30) STA. 11+30 (RT.)
CONST. INLET TYPE B-R-1
F.L. 14.75

(32) STA. 10+70 (5' LT)
CONST. M.H. TYPE J-7T
(5.5' x 8' I.D.)
INV. 18" (N) 14.23
INV. 18" (S) 14.23
F.L. 12.75

(24) STA. 3+45 (RT) (@ HOWARD AVE)
CONST. INLET TYPE B-V-1
F.L. 15.50

(24b) STA. 3+75 (8' LT) (@ HOWARD)
CONST. CONC. COLLAR
INV. 15" (N) 13.90
INV. 30" (S) 13.18

(26) STA. 3+45 (8' LT) (@ HOWARD AVE)
CONST M.H. TYPE J-7T
(3.5' x 6' I.D.)
INV. 15" (W) 15.72
INV. 18" (E) 13.43
F.L. 13.24

(27) STA. 7+45 (5' LT)
CONST M.H. TYPE J-7T
(6' x 8' I.D.)
INV. 30" (S) 13.21
INV. 36" (N) 13.21
F.L. 13.08

STA 7+52.83 SWANN AVE @ =
STA 4+00 @ "B" FROM SOUTH

STA. 7+62.78 SWANN AVE @ =
STA. 4+00 @ "B" TO NORTH

2110 W. SWANN AVE
METER # 76072069 (3/4")
3/4" SERVICE LINE

2303 W. SWANN AVE
METER # 77139228 (3/4")
3/4" SERVICE LINE

702 S. HOWARD AVE
METER # 85079199 (1")
1" SERVICE LINE

2111 W. SWANN AVE
METER # 02028368 (1½")
1½ SERVICE LINE

T29S-R18E

1-Sty Masonry Bldg

2-Sty. Office Bldg.

BEGIN PAVING TRANSITION

CONST 28' OF 15" R.C.P.

CONST 67 LF OF 43"x68" RCP

CONST 110' OF 43"x68" R.C.P.

CONST. 24' OF 15" R.C.P.

CONST 60' OF 30" R.C.P.

CONST 48' OF 18" R.C.P.

CONST. 216' OF 43"x68" R.C.P.

CONST 36' OF 18" R.C.P.

CONST 32' OF 15" R.C.P.

CONST. 10' OF 15" R.C.P.

CONST 12' OF 15" RCP

CONST 15' OF 15" RCP

CONST 46' OF 36"x55" RCP

CONST 12' OF 18" RCP

CONST 48' OF 36" R.C.P.

CONST. 5' CONC S/W

CONST CONC D/W

CONST STD CONC CURB & GUTTER

PROPOSED 12" DIP WM

PROPOSED 8" DIP WATER MAIN CL 50

PROPOSED 8" DIP WATER MAIN CL 50

PROPOSED 6" DIP
CL 150 W.M.

PROP 8" SAN

PROP 10" SAN

ABANDON 8" GAS

ABANDON 8" GAS

8" G.V. & BOX
STA 10+63 (28' LT.)

8" G.V. & BOX
STA 11+29 (28' LT.)

6" G.V. & BOX
STA 10+63 (31' LT.)

8"x8"x6" TEE
STA 11+19 (28' LT.)

12"x12"x12" TEE
STA 7+11 (28' RT.)

12"x12"x12" TEE
STA 3+06 (28' RT.)

12"-45° BENDS
STA 3+55 (25' LT.)
STA 3+71 (40' LT.)

12" G.V. & BOX
STA 3+77 (42' LT.)

FH ASSEMBLY
STA 7+06 (22' RT.)

12"-8" REDUCER
STA 7+08 (28' RT.)

END HORIZ DEFLECTION
STA 3+07 (23' LT.)

2" High Mast Pole

2" HIGH MAST
STA 11+14 (30' LT.)
6"x2" REDUCING TAPPING SAD

NOTE FOR PROPOSED SANITARY SEWER DETAILS, SEE SANITARY SEWER CONSTRUCTION PLANS

NOTE: ALL CONSTRUCTION SHALL BE PERFORMED IN ACCORDANCE WITH THE CITY OF TAMPA TECHNICAL SPECIFICATIONS.

ABANDON 8" GAS

USP 5th Surv 1990 9-12-90

SURVEY @

Aspn Lot

Aspn Park

Conc Apron

Conc Pump Island

Aluminum Overhang

Bore Elec Sign Post

Exist 6' Conc Curb

Exist 8" Conc Curb

Exist 6' Chain Link Fence

Exist 24" Aspn Pav't

Exist 2" Gas

Exist 6" Conc Curb

Exist 12"x18" Curb

Exist 8" Water

Exist 6" Water

Exist 2" Water

Exist 6" Conc Curb 10' Pine

Exist 40' & Aspn Pav't

Exist 27'± Aspn Pav't

Exist 23.5'± Aspn Pav't

Exist 38'± Aspn Pav't

Exist 6" Conc Curb

Exist 8" Conc Curb

Exist 5' Conc S/W

Exist 6' Conc Curb

Exist 24" RCP

Exist 21" RCP

Exist 12" RCP

Exist 15" RCP

Exist 18" RCP

Exist 24" RCP

Exist 30" RCP

Exist 36" RCP

Exist 42" RCP

Exist 48" RCP

Exist 54" RCP

Exist 60" RCP

Exist 66" RCP

Exist 72" RCP

Exist 78" RCP

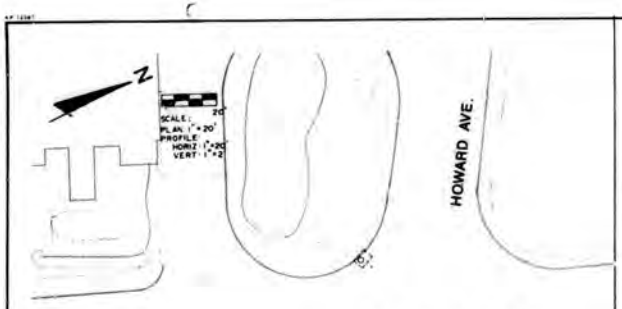
Exist 84" RCP

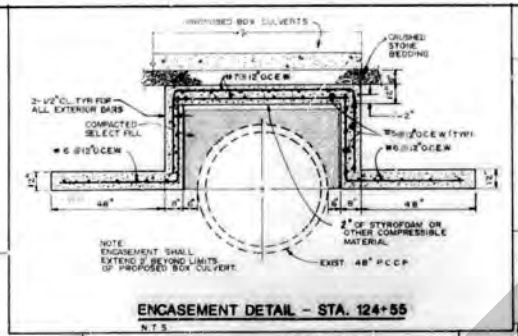
Exist 90" RCP

Exist

Q.11 Bayshore Blvd Storm Sewer Replacement at Howard and Albany Aves

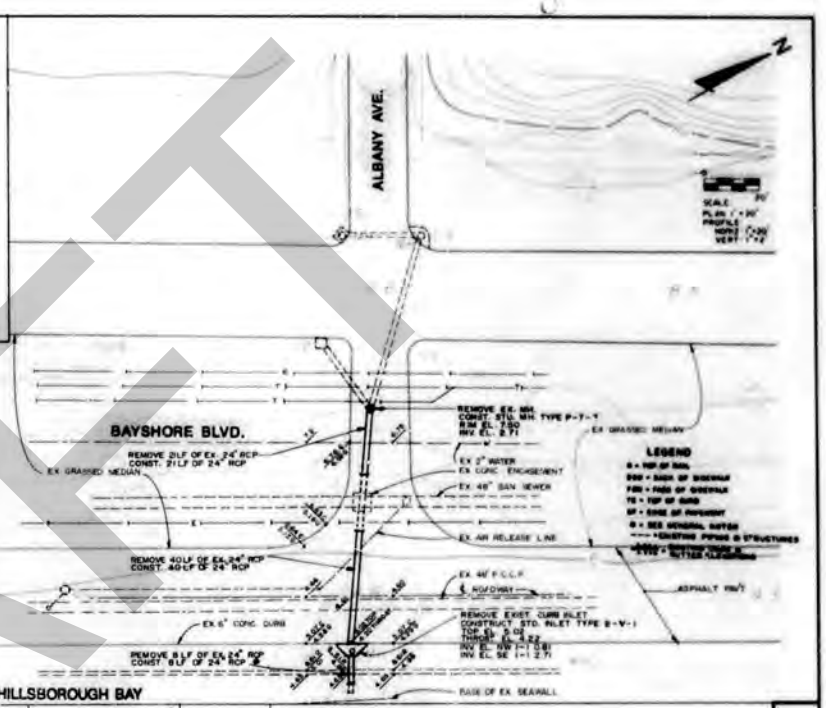
DRAFT

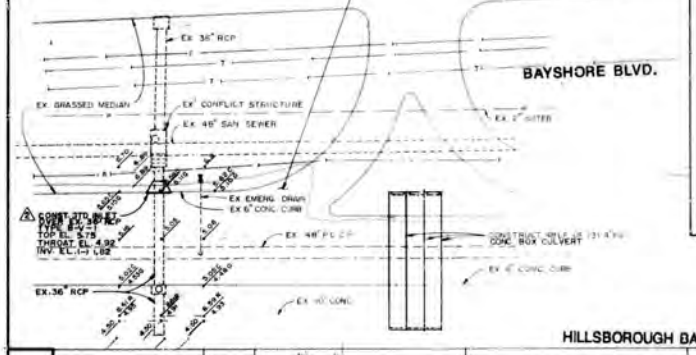


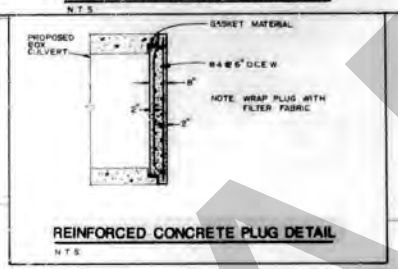


ENCASEMENT DETAIL – STA. 124+55

N.T.S.

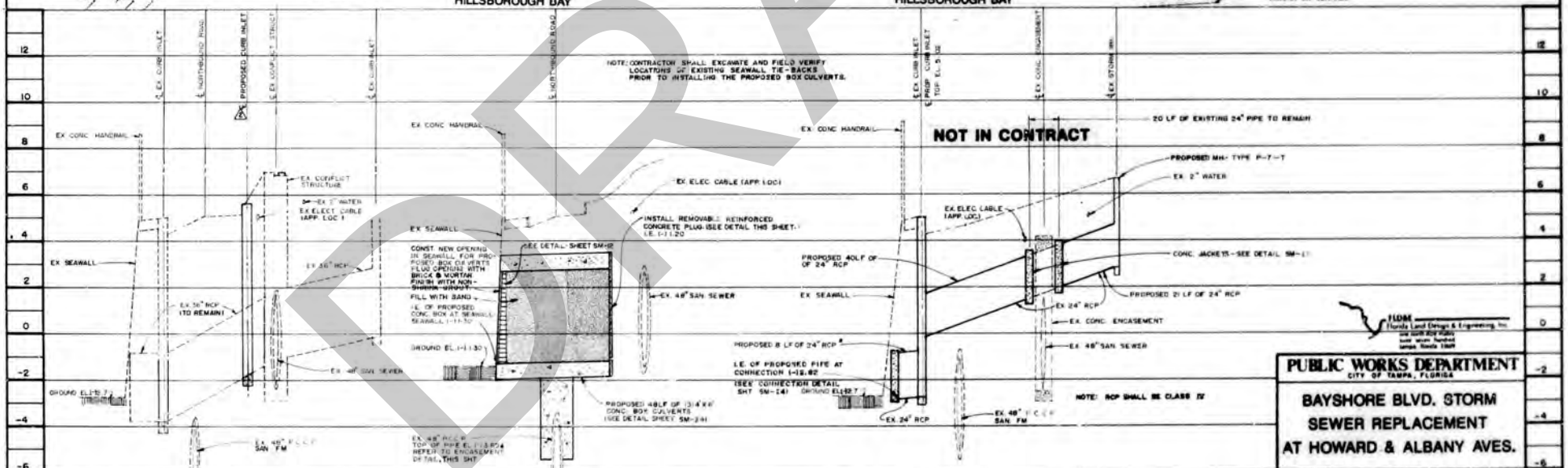






REINFORCED CONCRETE PLUG DETAIL

N.T.S.



D.P.W. #34 PROFILE – STA. 123+61.5

PROPOSED BOX CULVERT PROFILE STA. 124+55.00

D.P.W. #31 PROFILE – STA. 137+14

FLDBE
Florida Land Design & Engineering, Inc.

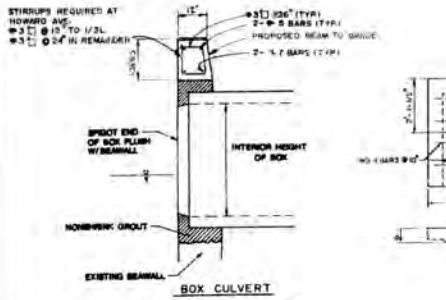
PUBLIC WORKS DEPARTMENT
CITY OF TAMPA, FLORIDA

BAYSHORE BLVD. STORM SEWER REPLACEMENT AT HOWARD & ALBANY AVES.

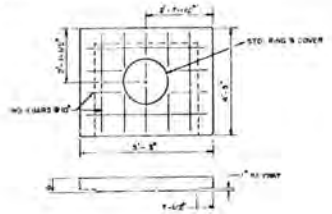
Designed: C.L. Date:	Drawn: J.H. Date:	Checked: Date:	
Processed: D.M. Date:	Approved: G.V. Date:	Scale: 1"=20'	
FIELD BOOK:			
FILE No.	JOB No.	SHEET SM-15	

No. 1 Date: 8-11-21 REVISION: ADD INLET TO EXIST. SEWERS AND REPAVE By:
No. 2 Date: 8-11-21 REVISION: ADD NOTE TO REGRADE TURN LANE By:

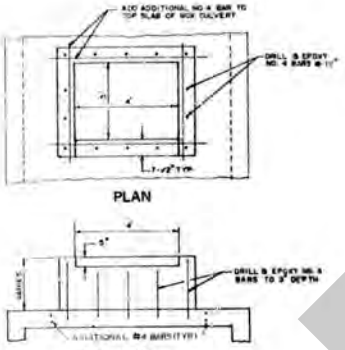
DRAFT

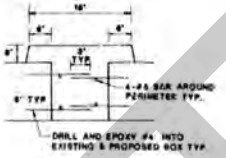


SEAWALL DETAIL

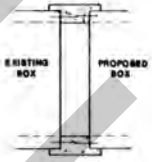


NOTE: CONTRACTOR SHALL ALIGN INLET TO AVOID INTERFERENCE WITH BOX JOINT





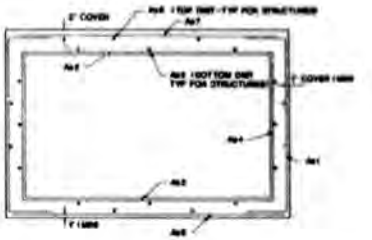
JOINT DETAIL



CLOSURE PIECE DETAIL

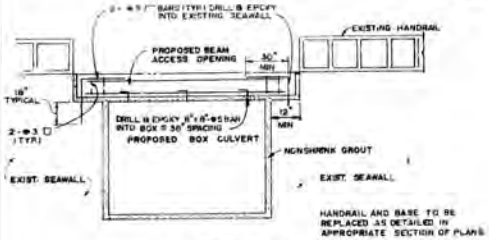
CONTRACTOR SHALL NOT BACKFILL UNTIL CONCRETE IN CLOSURE PIECE HAS REACHED 75% OF DESIGN STRENGTH.

CLOSURE DETAILS



LOCATION	SIZE (Standard I.D.)	THICKNESS Top Slab (in)	THICKNESS Bottom Slab (in)	THICKNESS Wall (in)	REINFORCING STL. fy = 70.0 ksi Ax1	Ax2	Ax3	Ax4	Ax5	Ax6	Ax7	Ax8
RUSKIN AVE.	8'X4' (2)	6	6	6	0.27	0.31	0.27	0.93	0.93	0.93	0.93	0.93
N. OF BAY VILLA	8'X4'	6	6	6	0.27	0.31	0.27	0.93	0.93	0.93	0.93	0.93
ALLINE	8'X4' (3)	6	6	8	0.27	0.31	0.27	0.93	0.93	0.93	0.93	0.93
HOWARD	8'X4' (2)	8	7	7	0.26	0.45	0.24	0.97	0.93	0.93	0.93	0.97

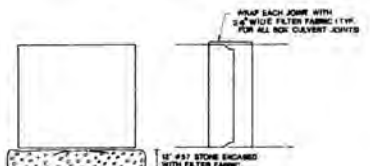
TYPICAL BOX CULVERTS



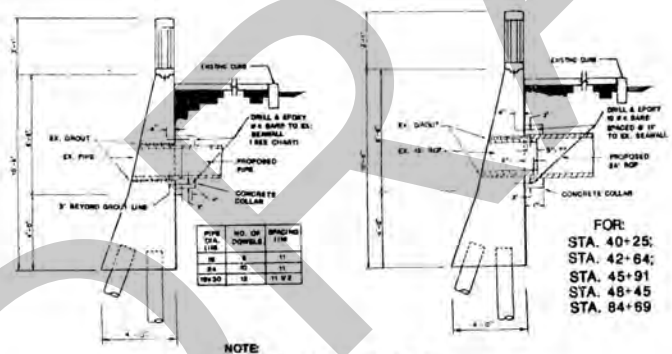
HANDRAIL AND BASE TO BE REPLACED AS DETAILED IN APPROPRIATE SECTION OF PLANS

SEAWALL DETAIL

INLET DETAIL FOR BOX CULVERT



BEDDING DETAILS



FOR:
STA. 40+25;
STA. 42+64;
STA. 45+91
STA. 48+45
STA. 84+69

NOTE:
IF FIBERGLASS OR PVC IS USED, CONTRACTOR SHALL ROUGH UP O.D. OF PIPE AND INSTALL AN O-RING GASKET PRIOR TO POURING CONCRETE.

SOUTH OF STATION 121+90

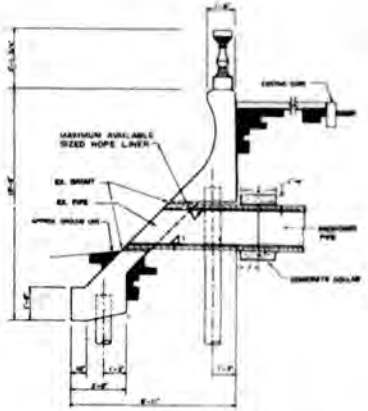
SEAWALL CONNECTION DETAIL-A

SEAWALL CONNECTION DETAIL-B

REFER TO DETAIL 'B' FOR EXCEPTIONS

NOTES:
CONCRETE COLLAR INSTALLATIONS SHALL BE WRAPPED WITH FILTER FABRIC AND SEALED TO THE PROPOSED PIPE WITH STAINLESS STEEL BAND. REFER TO SHEET SC-2 FOR DETAILS

SEAWALL CONNECTION DETAILS



NORTH OF STATION 121+90

SEAWALL CONNECTION DETAIL C

FLD&I
Florida Land Design & Engineering, Inc.

PUBLIC WORKS DEPARTMENT

BAYSHORE BLVD. STORM SEWER REPLACEMENT

MISCELLANEOUS DETAILS

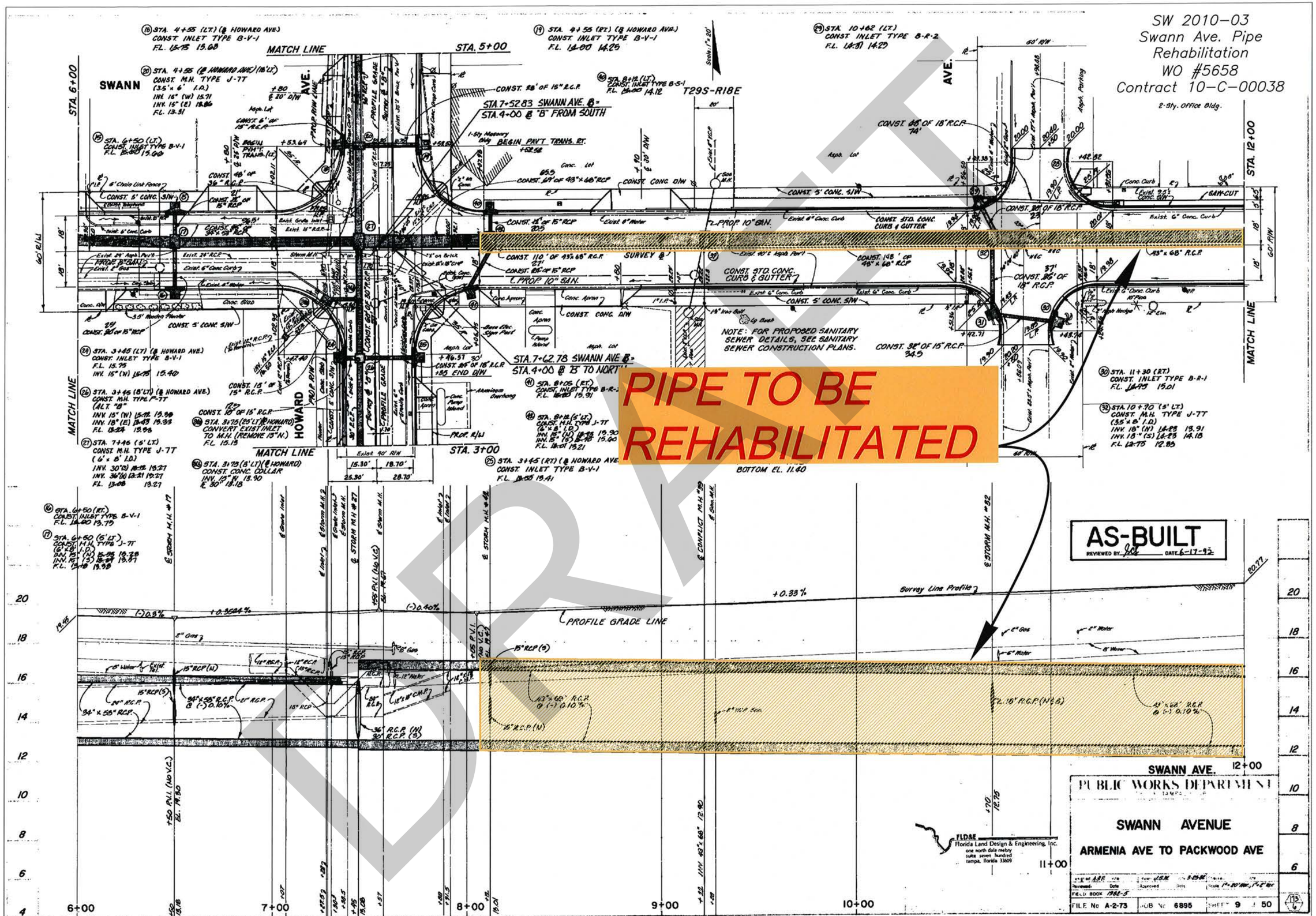
No.	Date	REVISION	By

Designed | Drawn | Checked | Approved | Field Book | File No. | Job No. | SHEET SM-24

DRAFT

Q.12 Roadway and Drainage Improvements – Swann Ave – Armenia Ave to Packwood Ave (used for Swann Ave Pipe Rehabilitation – SW2010-03

DRAFT


SW 2010-03
Swann Ave. Pipe
Rehabilitation
WO #5658
Contract 10-C-00038
PIPE TO BE
REHABILITATED
AS-BUILT
REVIEWED BY
DATE 6-17-95
SWANN AVE.
PUBLIC WORKS DEPARTMENT
SWANN AVENUE
ARMENIA AVE TO PACKWOOD AVE
FILE No A-2-73
JOB No 6895
SHEET 9 of 50
FLD&E
Florida Land Design & Engineering, Inc.
one north dale mabry
suite seven hundred
tampa, florida 33609
MATCH LINE
STA. 5+00
STA. 6+00
STA. 3+00
STA. 12+00
SWANN
HOWARD
AVE.
T29S-R18E
STA.7+52.83 SWANN AVE. ℄ = STA.4+00 ℄ "B" FROM SOUTH
STA.7+62.78 SWANN AVE ℄ = STA.4+00 ℄ "B" TO NORTH
NOTE: FOR PROPOSED SANITARY SEWER DETAILS, SEE SANITARY SEWER CONSTRUCTION PLANS.
BOTTOM EL. 11.40
PROFILE GRADE LINE
Survey Line Profile
+0.33%
(-)0.40%
6+00
7+00
8+00
9+00
10+00
11+00
12+00

SW 2010-03
Swann Ave. Pipe Rehabilitation
WO #5658
Contract 10-C-00038

SWANN AVE

60' R/W

STA. 12+00

STA. 18+00

MATCH LINE

MATCH LINE

ALBANY AVE.

MELVIL AVE.

50' R/W

Scale: 1" = 20'

CONST. 322' OF 43"x68" R.C.P.

CONST. STD. CONC. CURB & GUTTER

CONST. 335' OF 43"x68" R.C.P.

CONST. STD. CONC. CURB & GUTTER

PIPE TO BE REHABILITATED

17413
(34) STA. 12+60 (5' LT)
CONST. M.H. TYPE V-7T
(3.5' x 8' I.D.)
F.L. 12.06 11.89

PROFILE GRADE LINE

Survey Line Profile

+0.33 %

(-) 0.2727 %

SWANN AVE.

12+00 13+00 14+00 15+00 16+00 17+00 18+00

AS-BUILT
REVIEWED BY Sef DATE 6-17-92

FLD&E Florida Land Design & Engineering, Inc.
one north dale mabry
suite seven hundred
tampa, florida 33609

PUBLIC WORKS DEPARTMENT
CITY OF TAMPA, FLORIDA

SWANN AVENUE
ARMENIA AVE TO PACKWOOD AVE

Designed: A.P.F. Date: | Drawn: Date: | Checked: Date:
Reviewed: Date: | Approved: Date: | Scale:
FIELD BOOK:
FILE No. A-2-73 | JOB No. 6895 | SHEET 10 of 50

No. Date REVISION By

DRAFT

SW 2010-03
Swann Ave. Pipe Rehabilitation
WO #5658
Contract 10-C-00038

SWANN AVE

FREMONT AVE.

STA. 18+00

STA. 23+00

MATCH LINE

60' R/W

CONST. STD. CONC. CURB & GUTTER

CONST. 378' OF 43"x68" R.C.P.

CONST. 148' OF 43"x68" R.C.P. 170.5'

CONST. 45' OF 43"x68" R.C.P.

CONST. 42' OF 43"x68" R.C.P.

CONST. 60' OF 76" STEEL CASING

REMOVE 30' OF 24" R.C.P.

PLUG & ABANDON 24" R.C.P.

REMOVE EXIST. 30" R.C.P.

REPLACE S/W AS REQ'D

Existing Landscaped Area (Heavy Vegetation)

X-Town Ret. Wall

Exist. 36" R.C.P. (To Remain)

Exist. 30" R.C.P. (To Remain)

Exist. 18" R.C.P. (To Remain)

Exist. Grate Inlet (To Remain)

Exist. Endwall (To Remain)

Exist. 18" C.M.P. (To Remain)

Exist. 8" Water

Exist. Telephone

Exist. 6" Conc. Curb

Exist. 2' Conc. Curb & Gutter

5' Conc. S/W

5' Asph. S/W

Abandoned San. M.H.

Abandoned 8" San.

5' Ct. Fence

4' Conc. Headwall

Storm M.H.

Grate Inlet

Curb Inlet

Exist. 16" C.M.P.

Conc. Ditch Pav't

END PAVEMENT CONSTRUCTION BEGIN RESURFACING STA. 20+00

END PAVEMENT CONSTRUCTION STA. 23+00

PIPE TO BE REHABILITATED

(35A) STA 21+83, 5' LT.
J-7T MH
F.L. 11.63 (E&W)
F.L. 14.95 (S)

(36) STA. 22+58 (5' LT.)
CONST. M.H. TYPE J-7T
(7' X 7' I.D.)
F.L. 11.57 11.93

(37) STA. 22+58 (50' LT.)
CONST. M.H. TYPE J-7T
(7' X 7' I.D.)
F.L. EXIST. 30" 13.00 13.57
F.L. 11.93 11.50

PROFILE GRADE LINE

Survey Line Profile

(-) 0.2727%

20.65

43"x68" R.C.P. @ (-) 0.10%

76" STEEL CASINGS

50' OF CL. V R.C.P.

Top Of Rail El. 21.04

EL. 20.10

18+00 19+00 20+00 21+00 22+00 23+00

AS-BUILT
REVIEWED BY [illegible] DATE 6-17-97

SWANN AVE.
PUBLIC WORKS DEPARTMENT
CITY OF TAMPA, FLORIDA

SWANN AVENUE
ARMENIA AVE TO PACKWOOD AVE

FIDLE
Florida Land Design & Engineering, Inc.
one north dale mabry
suite seven hundred
tampa, florida 33609

Designed: A.R.F. Date: | Drawn: S.A.N. Date: | Checked: Date:
Reviewed: Date: | Approved: Date: | Scale:
FIELD BOOK:
FILE No. A-2-73 | JOB No. 6895 | SHEET 11 of 50

No. | Date | REVISION | By

DRAFT

SW 2010-03
Swann Ave. Pipe Rehabilitation
WO #5658
Contract 10-C-00038

FOR DETENTION POND MODIFICATION SEE SHEET No. 15

EXISTING DETENTION POND
N.W.L. 10.98
D.L.W 12.28
25 YR. D.W. 14.98

Scale 1"=20'

PIPE TO BE REHABILITATED

(44) STA. 23+00 (50' LT)
CONST. M.H. TYPE J-7T (3.5' x 7' I.D.)
INV. EXIST. 18" 16.10±
F.L. 11.49

(38) STA. 23+89 (50' LT)
CONST. STRAIGHT CONC. ENDWALL
F.L. 14.89 11.18

(49) EXISTING CONTROL STRUCTURE TO BE MODIFIED SEE SHEET No. 5

CONST. 35' OF STAKED SILT FENCE

CONST. CLEANOUT (TYP.) INV. EL. 10.49

CONST. 250' OF 6" UNDERDRAIN

CONST. 10' OF 6" SOLID P.V.C.

CONST. 45' OF 6" SOLID P.V.C.

CONST. 500' OF 6" UNDERDRAIN

Remove Exist. Storm M.H. & 30" R.C.P. 18"

Remove Exist. 30" R.C.P. & Endwall

Remove Exist. Storm M.H.

Exist. Landscaped Area (Heavy Vegetation)

Pit Hedge

Oleander

X-Town Ret. Wall

Crosstown X-Way

SWANN AVE.

S. PACKWOOD AVE.

S. ROME AVE.

MATCH LINE STA. 23+00

60' R/W

Exist. Tel. Duct

Ex. 5' Conc. S/W

G.T.E. M.H.

Exist. G' C.L. Fence

Exist. Curb & Gutter To Remain

Exist. 6" Curb

Elec. & Tele. Cables

Exist. Telephone

Exist. 2' Curb & Gutter

3-15"x21" R.C.P.'s (To Remain)

San. M.H.

10" San.

Survey ℄

Exist. 8" Water

Exist. 6' Conc. S/W

F.I.R.

F.I.P.

Exist. 4" Gas

Exist. Storm Sewer To Remain

Storm M.H.

30"x60" R.C.P.

38"x60" R.C.P.

14"x23" R.C.P.

15" R.C.P.

45" R.C.P.

FLM #3983

24

25

26

27

28

ENDWALL

Survey Line Profile

8" Water

6" Water

10" V.C.P. San.

10" San.

3-15"x21" R.C.P.'s

35"x58" R.C.P. @ 10.10%

30" R.C.P.

43"x68" R.C.P.

38"x60" E.L.P.

Storm M.H. (1)

Storm M.H. (2)

Storm M.H. (3)

Storm M.H. (4)

Storm M.H. (5)

Storm M.H. (6)

Storm M.H. (7)

Storm M.H. (8)

Storm M.H. (9)

Storm M.H. (10)

Storm M.H. (11)

Storm M.H. (12)

Storm M.H. (13)

Storm M.H.

Q.13 Swann Avenue – Armenia Ave to Packwood Ave – Sanitary Sewer Construction Plans

DRAFT

AF 12087

(18) STA. 4+44 (LT.) (@ HOWARD AVE.)
CONST. INLET TYPE B-R-1
F.L. 15.25

(19) STA. 4+38 (RT.) (@ HOWARD AVE.)
CONST. INLET TYPE B-R-1
F.L. 15.15

(22) STA. 10+66 (LT.)
CONST. INLET TYPE B-R-2
F.L. 16.35

(29) STA. 11+38 (LT.)
CONST. INLET TYPE B-R-2
INV. 15" (W) 16.07
F.L. 15.82

MATCH LINE — STA. 5+00

STA. 6+00

SWANN AVE.

(20) STA. 4+44 (@ HOWARD AVE.)
CONST. M.H. TYPE J-7T
(3.5' x 4.5' I.D.)
INV. 15" (W) 15.19
INV. 15" (E) 15.03
F.L. 13.09

(42) STA. 8+12 (LT.)
CONST. INLET TYPE B-S-1
F.L. 15.70

Scale 1" = 20'

T29S-R18E

CONST. 40' OF 15" R.C.P.

STA 7+52.83 SWANN AVE. @ =
STA 4+00 @ "B" FROM SOUTH

BEGIN PAV'T TRANS.

PROP R/W LINE

PROFILE GRADE @ "B"

Survey @ "B"

CONST. 20' OF 15" R.C.P.

CONST. 22' OF 36" R.C.P.

(39) STA. 6+50 (LT.)
CONST. INLET TYPE B-V-1
F.L. 15.60

San MH
6+31.0

CONST. 5' C. S/W

Exist. Telephone

CONST. 12' OF 15" RCP

Exist Grate Inlet

Exist 15" R.C.P.

CONST. 48' OF 34" x 53" R.C.P.

6" PVC House Lateral

Ex. 8" San To Be Removed

Exist. 24" R.C.P.

Storm M.H.

CONST. 110' OF 43" x 68" R.C.P.

CONST. 24' OF 15" RCP

SURVEY @

Exist 40' Asph Part

P.I. & San MH
0+47.0

Exist 6" Conc. Curb

CONST. 5' CONC. S/W

1" I.P.

1/2" Iron Bolt

Lg Bush

8" PVC

Ex San MH (Fiberglass)
0+00.0
Inv 12.71 (N)
12.61 (S)

CONST. 5' CONC. S/W

CONST. 70' OF 15" R.C.P.

CONST. STD. CONC. CURB & GUTTER

CONST. 216' OF 43" x 68" R.C.P.

CONST. CONC. D/W

CONST. 67' OF 43" x 68" RCP

CONST. 12' OF 15" RCP

Exist 8" Water

A7' OF 10" DIP

CONST. 60' OF 30" R.C.P.

CONST. 20' OF 15" RCP

(24) STA. 3+57 (LT.) (@ HOWARD AVE.)
CONST. INLET TYPE B-V-1
F.L. 15.25
INV. 15" (W) 15.25

(26) STA. 3+45 (8' LT.) (@ HOWARD AVE.)
CONST. M.H. TYPE J-7T
(3.5' x 6' I.D.)
INV. 15" (W) 15.21
INV. 18" (E) 13.92
F.L. 13.14

(27) STA. 7+45 (5' LT.)
CONST. M.H. TYPE J-7T
(6' x 8' I.D.)
INV. 30" (S) 14.66
INV. 36" (W) 13.05
F.L. 13.03

CONST. 28' OF 15" R.C.P.

CONST. 8' OF 15" R.C.P.

P.I. & San MH
2+15.0

HOWARD AVE.

MATCH LINE — STA. 3+00

Exist 40' R/W

15.30' 18.70' 25.30' 28.70'

(25) STA. 3+45 (RT.) (@ HOWARD AVE.)
CONST. INLET TYPE B-V-1
F.L. 13.50

Conflict San MH
2+43.0
(SEE SHT. 37 FOR PROFILE)

(31) STA. 9+22 (5' LT.)
CONST. CONFLICT M.H. TYPE J-7T
(4' x 8' I.D.)
F.L. 12.85
BOTTOM EL. 11.40

STA. 7+62.78 SWANN AVE @ =
STA 4+00 @ "B" TO NORTH

P.I. & San MH
1+74.0
19°-45' (SW)

CONST. CONC. D/W

CONST. 24' OF 18" R.C.P.

(43) STA. 8+05 (RT.)
CONST. INLET TYPE B-R-2
F.L. 15.70

SEE SHEET 37

(44) STA. 8+12 (5' LT.)
CONST. M.H. TYPE J-7T
(6' x 8' I.D.)
INV. 15" (N) 15.60
INV. 24" (S) 15.60
F.L. 13.

(32) STA. 10+70 (RT.)
CONST INLET TYPE B-R-1
F.L. 16.15

WESTLAND AVE.

60' R/W

CONST. 60' OF 15" R.C.P.

(31) STA. 11+30 (RT.)
CONST. INLET TYPE B-R-1
INV. 15" (W) 15.97
F.L. 15.22

(32) STA. 11+38 (5' LT.)
CONST. M.H. TYPE J-7T
(4' x 7.5' I.D.)
INV. 18" (N) 15.77
INV. 24" (S) 15.16
F.L. 12.63

CONST. 30' OF 24" R.C.P.

43" x 68" R.C.P.

STA. 12+00

MATCH LINE

0 10 20 40 60
Scale

(40) STA. 6+50 (RT.)
CONST. INLET TYPE B-V-1
F.L. 14.00

(41) STA. 6+50 (5' LT.)
CONST. M.H. TYPE J-7T
(6' x 8' I.D.)
INV. 15" (N) 15.55
INV. 15" (S) 14.50
F.L. 13.13

SAN MANHOLE — E STORM M.H. #41 — E Grate Inlet — E Storm M.H. #27 — E Inlet #2 — P.I. & SAN MANHOLE — E Inlet #2 — E STORM M.H. #44 — P.I. & SAN MANHOLE — E San M.H. #39 — E STORM M.H. #32

Survey Line Profile

PROFILE GRADE LINE

(-) 0.9% — + 0.3584 % — (-) 0.40% — + 0.30 %

6" PVC HOUSE LATERAL (N&S)
(APPROX EL)

15" RCP (N)

15" RCP (S)

42'-8" PVC @ 0.40%
200'

34" x 53" R.C.P. @ (-) 0.10 %

21" R.C.P.

15" R.C.P.

30" R.C.P. (S)

36" R.C.P. (N)

40'-10" PVC @ 0.20%

128'-10" PVC @ 0.20%
130'

10" PVC
(INV 12.80 (N)
12.68

10" R.C.P. San (TO BE REMOVED)

+05 P.V.I. (NO V.C.)
EL. 14.45

+50 P.V.I. (NO V.C.)
EL. 14.30

43" x 68" R.C.P. @ (-) 0.10 %

24" R.C.P. (S)

18" R.C.P. (N)

2" Gas — 2" Water — 6" Water — 8" Water

5+89.0
6+00
14.84 (E&W)
15.06 (W) 14.99
+31.0
7+00
13.28 (S)
+15.0
13.23 (NE) 13.24
13.15 (SW) 13.28
+74.0
13.11 (E)
8+00
12.85 (W) 12.74
0+47.0
43" x 68" 12.85
INV 8' 0.10 13.80
9+00
10+00
12+00

ANDREW T CRONBERG, PE # 32560
CHIEF ENGINEER
DEPARTMENT of SANITARY SEWERS

APPROVED BY
JACK P MORRISS, PE
DIRECTOR
DEPARTMENT of SANITARY SEWERS

AS-BUILT
REVIEWED BY CR DATE 6-17-92

FLORIDA LAND DESIGN & ENGINEERING INC.
planning / engineering / landscape architecture
2007 pan am circle suite 200 tampa, florida 33607 (813) 875-1115

PUBLIC WORKS DEPARTMENT
CITY OF TAMPA, FLORIDA

SWANN AVENUE
ARMENIA AVE TO PACKWOOD AVE

Designed: A.P.F.	Date:	Drawn: J.S.W.	Date: 3-23-82	Checked:	Date
Reviewed:	Date:	Approved:	Date:	Scale: 1"=20' Hor., 1"=2' Ver.	
FIELD BOOK: 1992-5					

No.	Date	REVISION	By

FILE No. A-2-73 | JOB No. 6895 | SHEET 36 of 50

SANITARY SEWER CONSTRUCTION PLANS

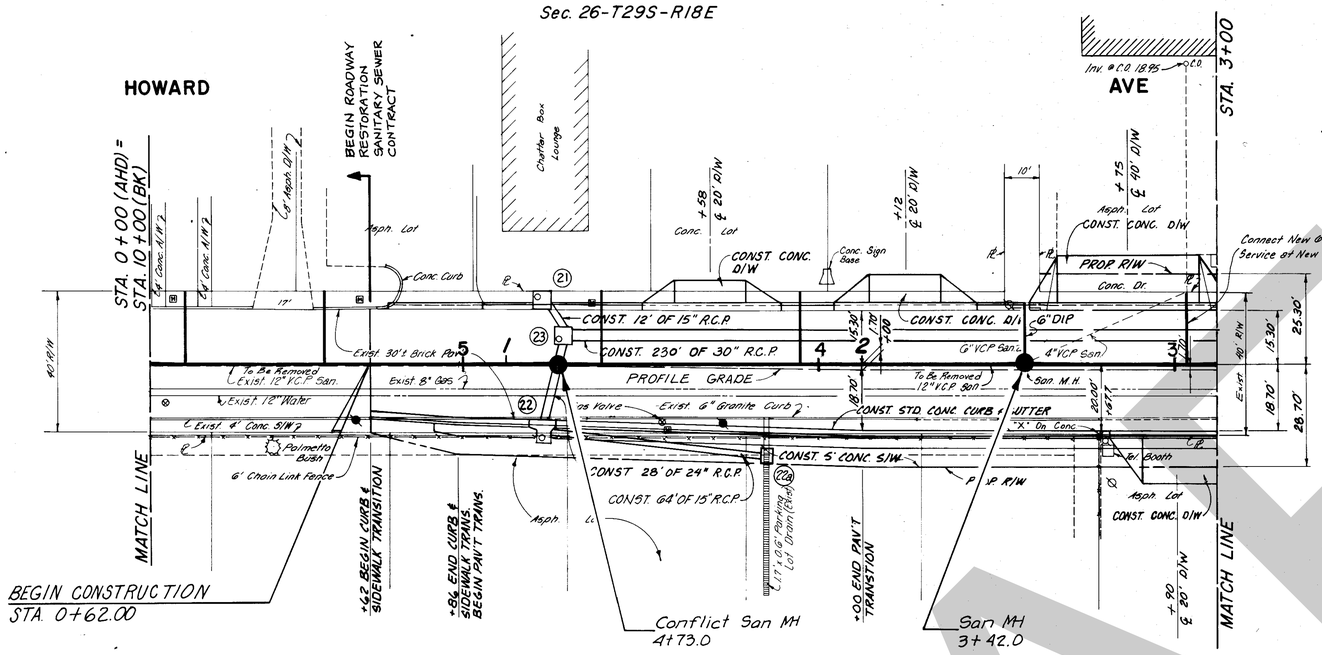
C 273-1 (92)

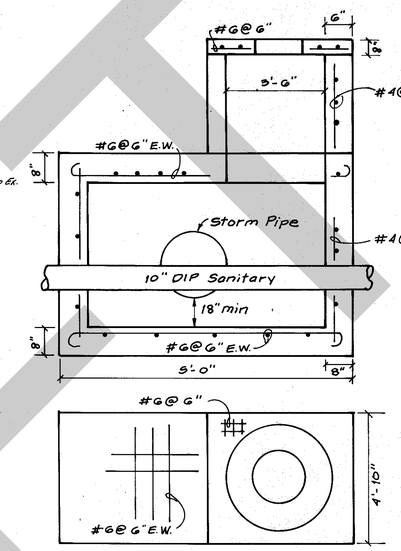
DRAFT

A.F. 12087

Scale: 1"= 20'

Sec. 26-T29S-R18E





TYPE J-7T CONFLICT MANHOLE
NOT TO SCALE

GENERAL NOTES

1. Remove existing pipe and manhole as necessary to install new pipe.
2. All connections between existing and proposed pipe shall be made with flexible coupling.
3. All pipe bedding shall be Class C.

(22a) STA. 1+73 (RT.)
CONST. INLET TYPE "C" (MODIFIED) w/HANDRAIL
F.D.O.T. INDEX No. 282
SLOT(E) EL. 19.50, F.L. 17.50

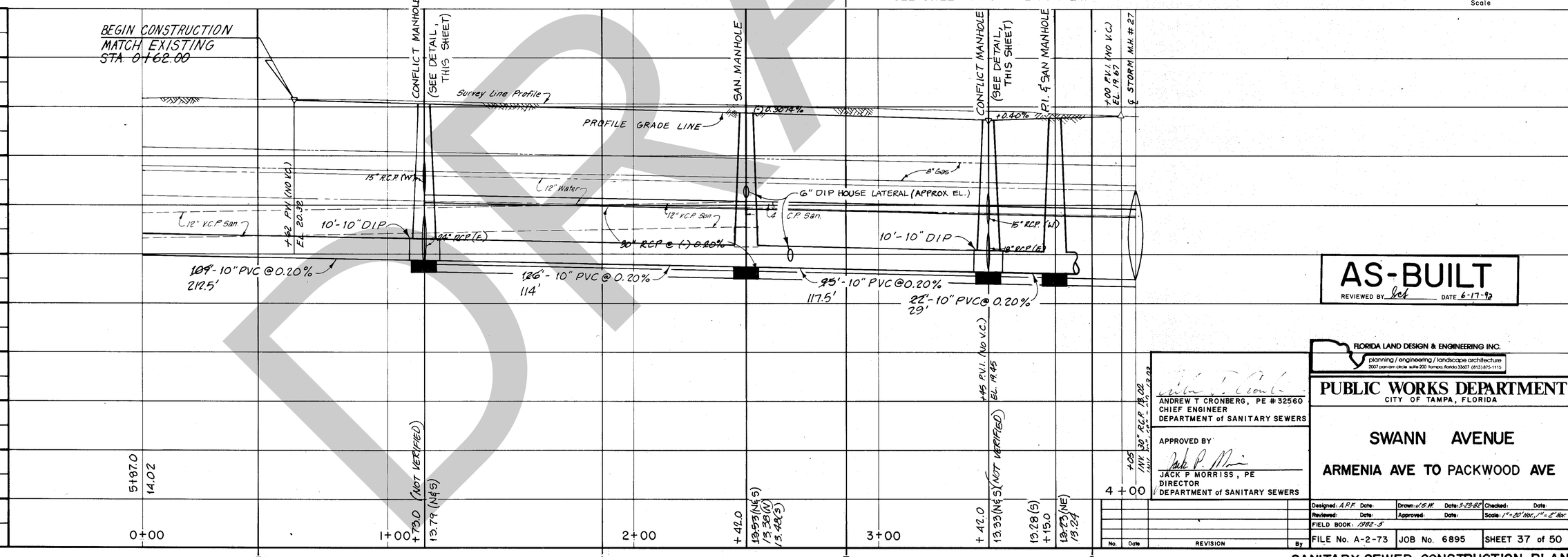
(21) STA. 1+10 (LT)
CONST. INLET TYPE I
F.L. 16.55

(22) STA. 1+10 (RT.)
CONST. INLET TYPE 'B-S-1
INV. 15"(N) 17.00
F.L. 13.80

(23) STA. 1+15 (8' LT.)
CONST. M.H. TYPE P-7T
INV. 15" (W) 16.51
INV. 24" (E) 13.72
F.L. 13.70

→ SEE SHEET I FOR PLAN VIEW

0 10 20 40 60
Scale



AS-BUILT
REVIEWED BY Jack DATE 6-17-92

FLORIDA LAND DESIGN & ENGINEERING INC.
planning / engineering / landscape architecture
2007 pan am circle suite 200 tampa, florida 33607 (813) 875-1115

ANDREW T CRONBERG, PE #32560
CHIEF ENGINEER
DEPARTMENT of SANITARY SEWERS

APPROVED BY
JACK P MORRISS, PE
DIRECTOR
DEPARTMENT of SANITARY SEWERS

PUBLIC WORKS DEPARTMENT
CITY OF TAMPA, FLORIDA

SWANN AVENUE
ARMENIA AVE TO PACKWOOD AVE

Designed: A.P.F.	Date:	Drawn: J.S.W.	Date: 3-23-82	Checked:	Date:
Reviewed:	Date:	Approved:	Date:	Scale: 1"=20' Hor., 1"=5' Ver.	
FIELD BOOK: 1982-5					
FILE No. A-2-73	JOB No. 6895	SHEET 37 of 50			

No.	Date	REVISION	By

SANITARY SEWER CONSTRUCTION PLANS

C273-2(92)

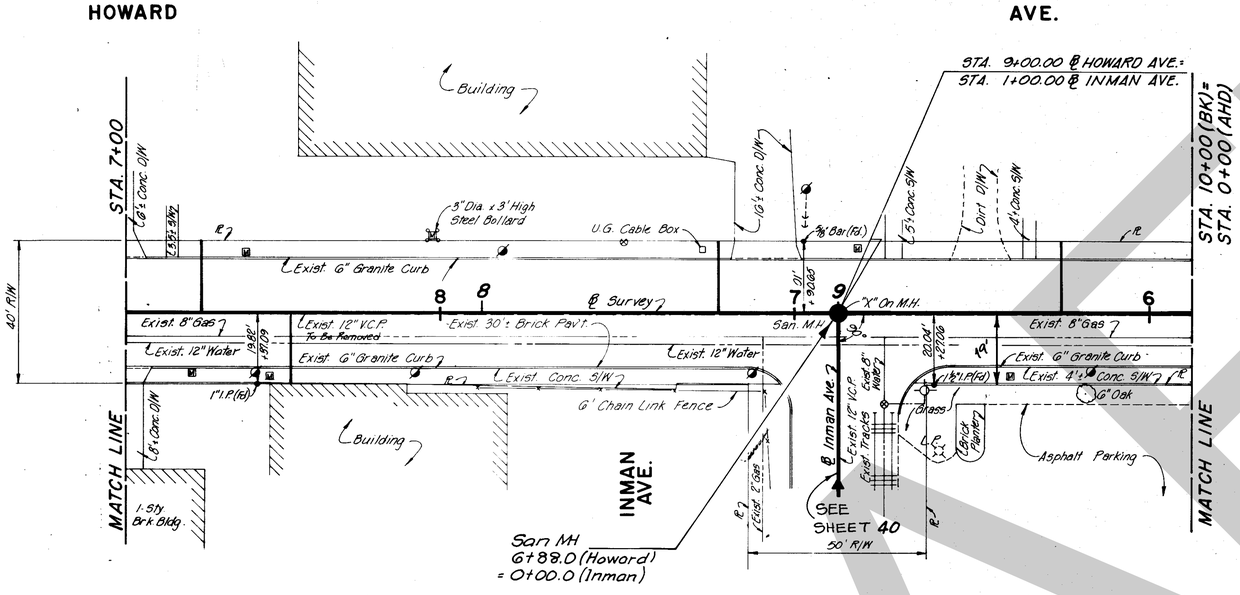
DRAFT

AF 12087

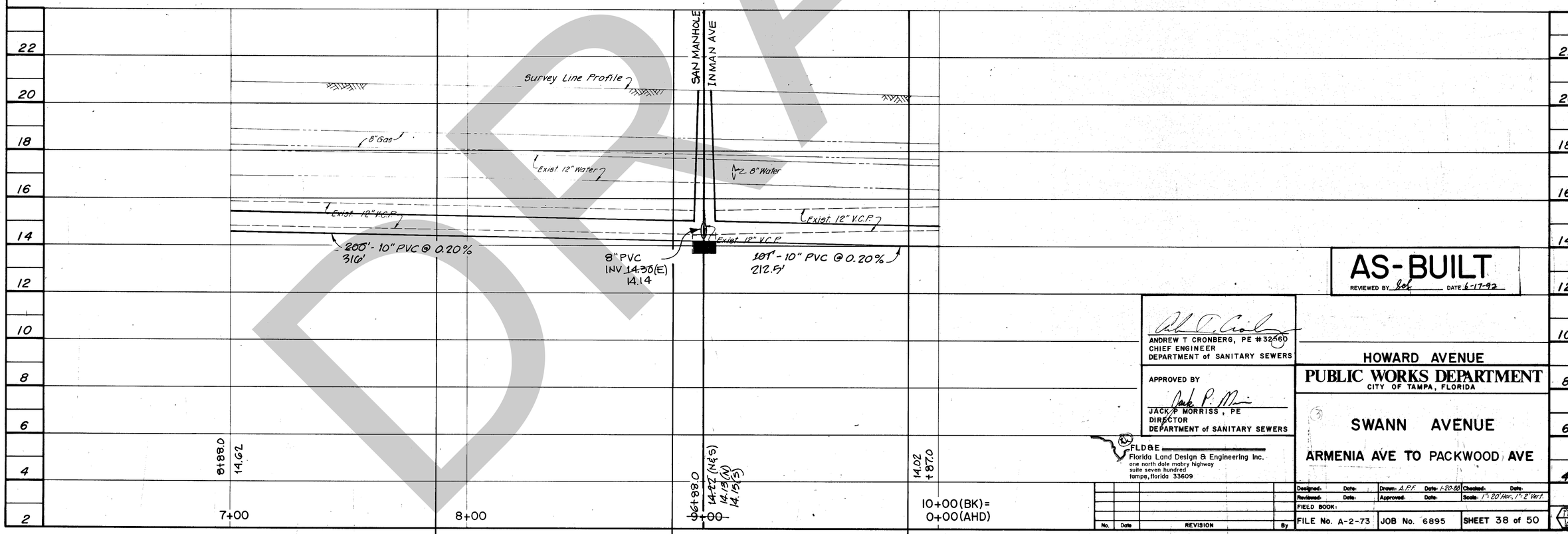
Benchmark Elev. 20.58
Cut In N.E. Cor. Conc. Sign Foundation
Of Union 76 Sign S.E. Cor. Swann Ave.
And Howard Ave.

Scale: 1"=20'

Sec. 26-T29S-R18E



NOTE:
WATER AND GAS LOCATIONS ARE APPROXIMATE AS SHOWN.



AS-BUILT
REVIEWED BY Jak DATE 6-17-92

ANDREW T CRONBERG, PE #32660
CHIEF ENGINEER
DEPARTMENT of SANITARY SEWERS

APPROVED BY
JACK P. MORRISS, PE
DIRECTOR
DEPARTMENT of SANITARY SEWERS

FLD&E
Florida Land Design & Engineering Inc.
one north dale mabry highway
suite seven hundred
tampa, florida 33609

HOWARD AVENUE
PUBLIC WORKS DEPARTMENT
CITY OF TAMPA, FLORIDA

SWANN AVENUE
ARMENIA AVE TO PACKWOOD AVE

No.	Date	REVISION	By

Designed:	Date:	Drawn: A.P.F.	Date: 1-20-88	Checked:	Date:
Reviewed:	Date:	Approved:	Date:	Scale: 1"=20' Hor., 1"=2' Vert.	
FIELD BOOK:					
FILE No. A-2-73	JOB No. 6895	SHEET 38 of 50			

SANITARY SEWER CONSTRUCTION PLANS

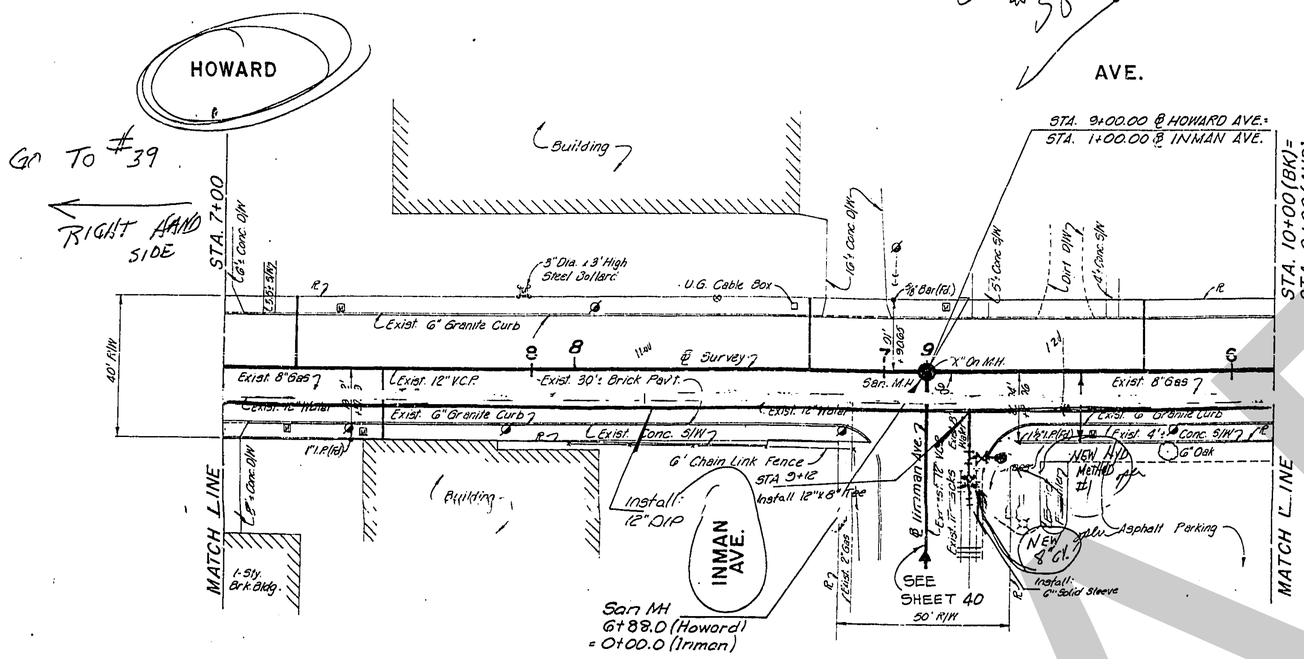
C 273-3(92)

DRAFT

Scale: 1"=20'

Sec. 26-T29S-R18E

Sheet #38

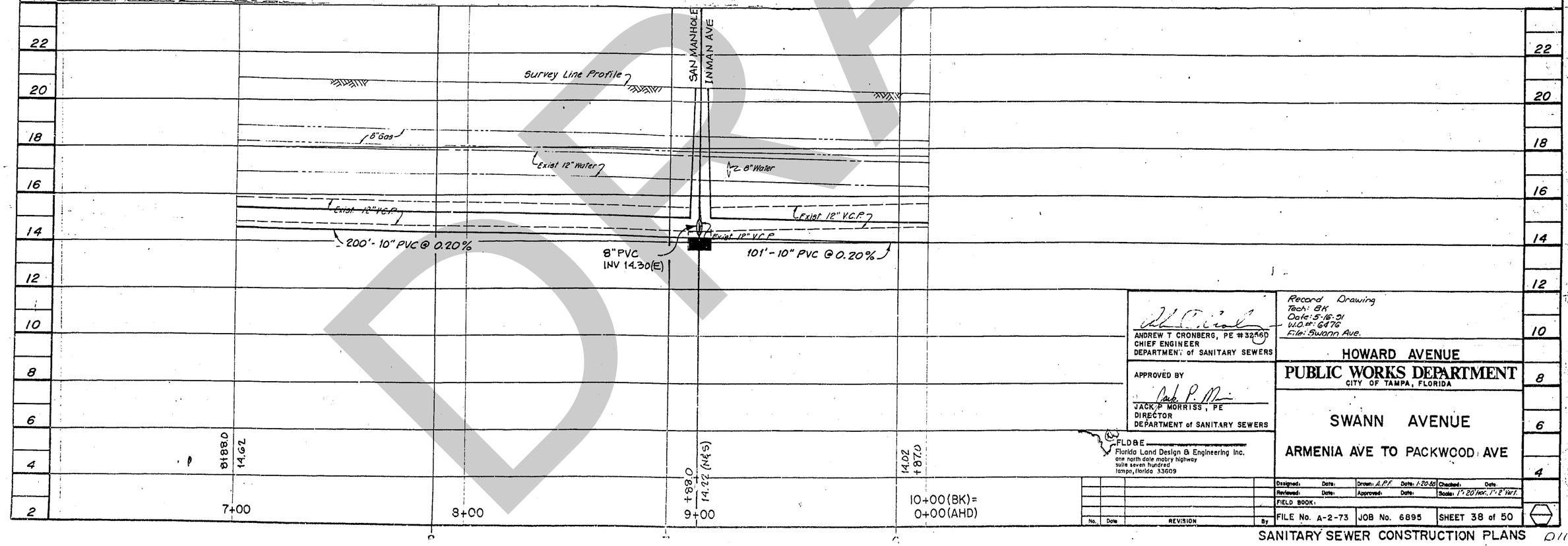


Benchmark Elev. 20.58
Cut In N.E. Cor. Conc. Sign Foundation Of Union-TG Sign S.E. Cor. Swann Ave. And Howard Ave.

BILL OF MATERIALS

SIZE	ITEM	MAKE/TYPE	EST.	ACT.
8"	DIP			1,495'
12"	DIP			2086'
6"	DIP			22'
5½"	Hydrant Assembly			5
2"	Gate Valve			2
6"	Gate Valve			4
8"	Gate Valve			7
12"	Gate Valve			3
12"x12"	Tee			1
12"x8"	Tee			2
12"x6"	Tee			1
8"x8"	Tee			1
8"x6"	Tee			4
12"x6"	TS&V			2
8"x6"	TS&V			1
10"x8"	Tee			1
8"	Solid Sleeve			1
6"	Solid Sleeve			3
12"x8"	Reducer			1
12"	45° Bend			12
12"	22½° Bend			1
8"	45° Bend			9
8"	11¼° Bend			1
6"	45° Bend			8
6"	22½° Bend			2
6"	11¼° Bend			1
6"	Tapped Cap			3
2"	Tap Connection			2
2"	B.O. Assembly			1
12"	DIP - Removed			1651'
8"	DIP - Removed			832'

NOTE:
WATER AND GAS LOCATIONS ARE APPROXIMATE AS SHOWN.



ANDREW T CRONBERG, PE #32560
CHIEF ENGINEER
DEPARTMENT of SANITARY SEWERS

APPROVED BY
JACK P MORRISS, PE
DIRECTOR
DEPARTMENT of SANITARY SEWERS

Record Drawing
Tech: BK
Date: 5-16-91
W.O.#: 6476
File: Swann Ave.

HOWARD AVENUE

PUBLIC WORKS DEPARTMENT
CITY OF TAMPA, FLORIDA

SWANN AVENUE

ARMENIA AVE TO PACKWOOD AVE

FLD&E
Florida Land Design & Engineering Inc.
one north dale mabry highway
suite seven hundred
tampa, florida 33609

Designed:	Date:	Drawn: A.P.F.	Date: 1-20-92	Checked:	Date:
Reviewed:	Date:	Approved:	Date:	Scale: 1"=20' Hor. 1"=2' Vert.	
FIELD BOOK:					
FILE No. A-2-73	JOB No. 6895	SHEET 38 of 50			

No. | Date | REVISION | By

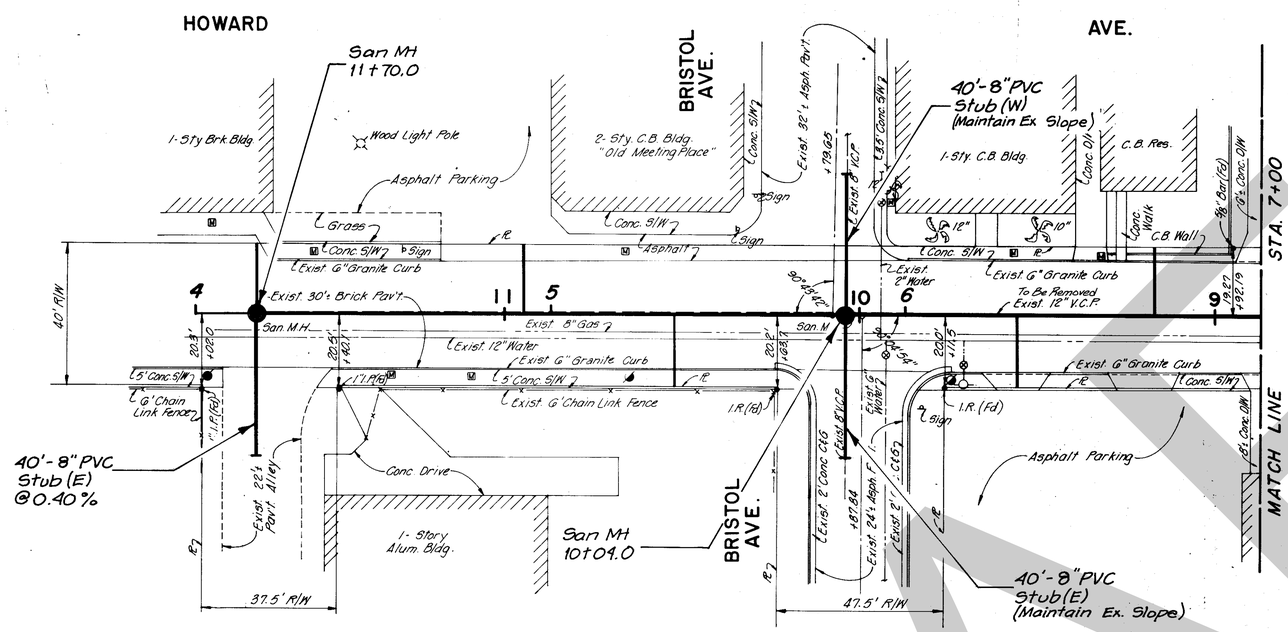
SANITARY SEWER CONSTRUCTION PLANS 011-4-40

DRAFT

AF 12087

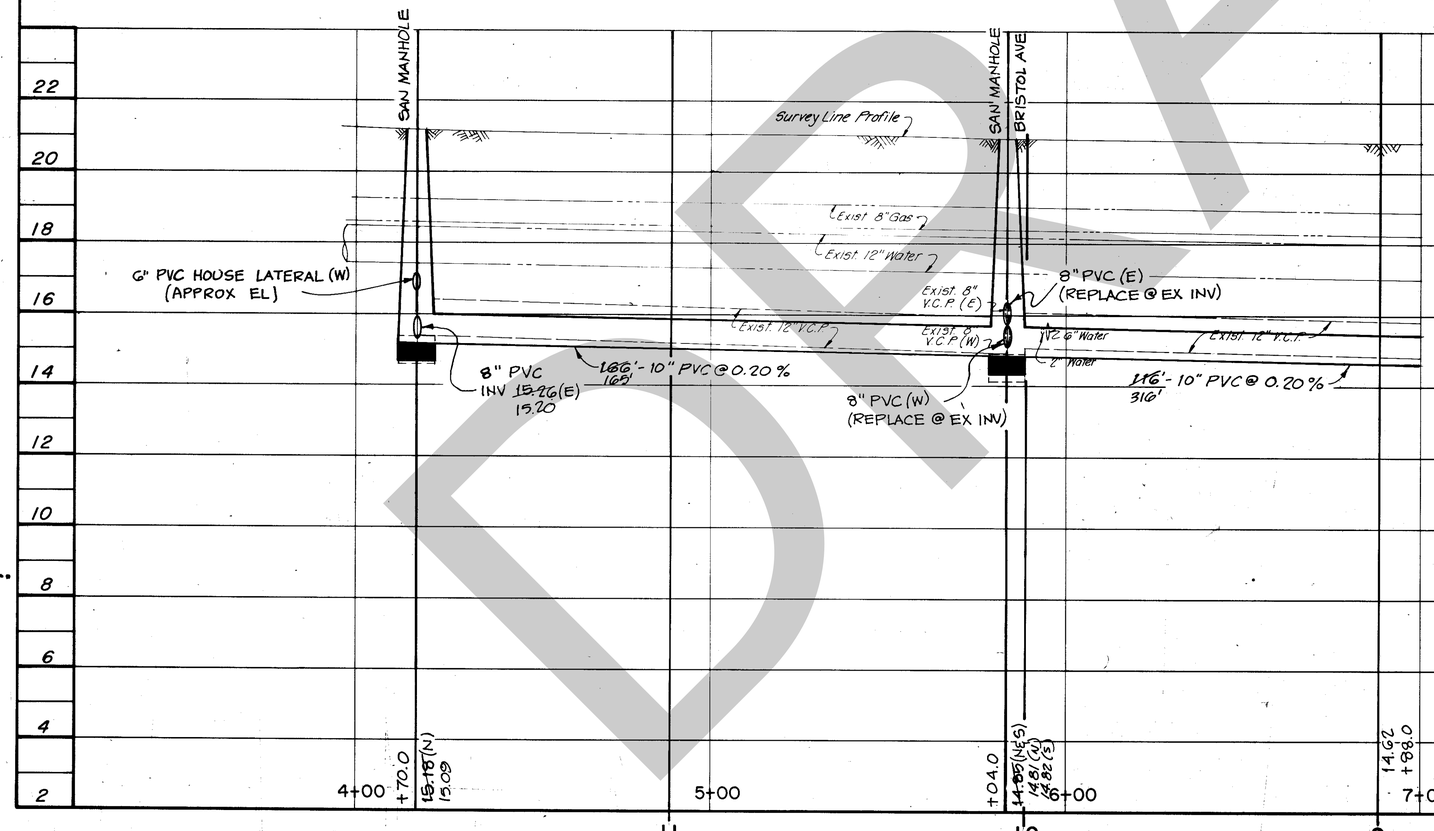
Scale: 1"=20'

Sec. 26-T29S-R18E



Benchmark Elev. 20.58
Cut In N.E. Cor. Conc. Sign Foundation Of Union 76 Sign S.E. Cor. Swann Ave. And Howard Ave.

NOTE:
WATER AND GAS LOCATIONS ARE APPROXIMATE AS SHOWN.



AS-BUILT
REVIEWED BY bek DATE 6-17-92

ANDREW T CRONBERG, PE #32560
CHIEF ENGINEER
DEPARTMENT of SANITARY SEWERS

APPROVED BY
JACK P MORRISS, PE
DIRECTOR
DEPARTMENT of SANITARY SEWERS

FLD&E
Florida Land Design & Engineering, Inc.
one north dale mabry
suite seven hundred
tampa, florida 33609

HOWARD AVENUE
PUBLIC WORKS DEPARTMENT
CITY OF TAMPA, FLORIDA

(4)
SWANN AVENUE
ARMENIA AVE. TO PACKWOOD AVE.

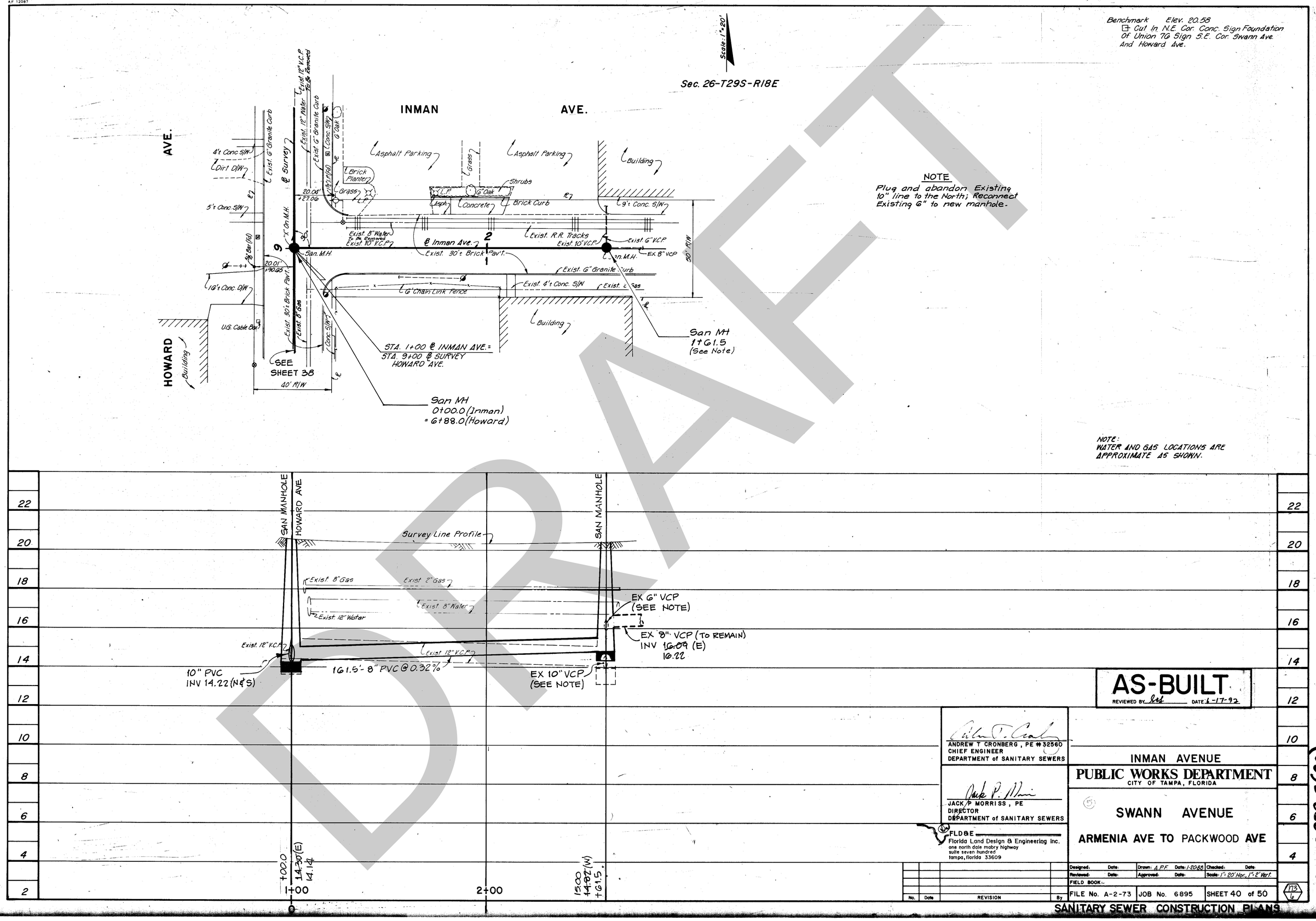
Designed:	Date:	Drawn: A.P.F.	Date: 4-6-88	Checked:	Date:
Reviewed:	Date:	Approved:	Date:	Scale: 1"=20' Hor, 1"=2' Vert.	
FIELD BOOK:					
FILE No. A-2-73	JOB No. 6895	SHEET 39 of 50			

No.	Date	REVISION	By

SANITARY SEWER CONSTRUCTION PLANS

C273.4(92)

DRAFT



Benchmark Elev. 20.58
Cut In N.E. Cor. Conc. Sign Foundation Of Union 76 Sign S.E. Cor. Swann Ave. And Howard Ave.
Scale: 1"=20'
Sec. 26-T29S-R18E
INMAN AVE.
HOWARD AVE.
Asphalt Parking
Building
Brick Planter
Grass
Shrubs
Concrete
Brick Curb
Exist. R.R. Tracks
Exist. 8" Water To Be Removed
Exist. 10" V.C.P.
℄ Inman Ave.
Exist. 30'± Brick Pav't.
Exist. 6" Granite Curb
Exist. 4'± Conc. S/W
6' Chain Link Fence
Exist. 8" Gas
Exist. 12" Water
Exist. 12" V.C.P. To Be Removed
Exist. 6" Granite Curb
Exist. 30'± Brick Pav't.
℄ Survey
4'± Conc. S/W
Dirt D/W
5'± Conc. S/W
16'± Conc. D/W
U.G. Cable Box
9'± Conc. S/W
Exist. 6" V.C.P.
EX 8" VCP
San. M.H.
50' R/W
40' R/W
SEE SHEET 38
STA. 1+00 ℄ INMAN AVE. = STA. 9+00 ℄ SURVEY HOWARD AVE.
San MH 0+00.0 (Inman) = 6+88.0 (Howard)
San MH 1+61.5 (See Note)
NOTE
Plug and abandon Existing 10" line to the North; Reconnect Existing 6" to new manhole.
NOTE: WATER AND GAS LOCATIONS ARE APPROXIMATE AS SHOWN.
SAN MANHOLE
HOWARD AVE
Survey Line Profile
Exist. 8" Gas
Exist. 2" Gas
Exist. 8" Water
Exist. 12" Water
Exist. 12" V.C.P.
EX 6" VCP (SEE NOTE)
EX 8" VCP (TO REMAIN) INV 16.09 (E) 16.22
10" PVC INV 14.22 (N&S)
161.5'- 8" PVC @ 0.32%
EX 10" VCP (SEE NOTE)
+00.0 14.30 (E) 14.14
1+00
2+00
15.00 14.82 (W) +61.5
AS-BUILT
REVIEWED BY DATE 6-17-92
ANDREW T CRONBERG, PE #32560
CHIEF ENGINEER
DEPARTMENT of SANITARY SEWERS
JACK P MORRISS, PE
DIRECTOR
DEPARTMENT of SANITARY SEWERS
FLD&E
Florida Land Design & Engineering Inc.
one north dale mabry highway
suite seven hundred
tampa, florida 33609
INMAN AVENUE
PUBLIC WORKS DEPARTMENT
CITY OF TAMPA, FLORIDA
SWANN AVENUE
ARMENIA AVE TO PACKWOOD AVE
Designed: Date: Drawn: A.P.F. Date: 1-20-88 Checked: Date:
Reviewed: Date: Approved: Date: Scale: 1"=20' Hor., 1"=2' Vert.
FIELD BOOK:
FILE No. A-2-73 JOB No. 6895 SHEET 40 of 50
No. Date REVISION By
SANITARY SEWER CONSTRUCTION PLANS
C273.5(92)
DRAFT

AF 12087

SWANN AVE.

ARMENIA AVE.

PARKLAND BLVD.

MOODY AVE.

BEGIN CONSTRUCTION
STA. 0+25.00

T29S-R18E

Scale 1" = 20'

60' R/W

1-Sty. Masonry Bldg.

P.K. Nail (Control)

Asph. Lot

Exist. 6" Water

Exist. 24'± Asph. Pav't

Exist. 6" Conc. Curb

Exist. 16'± Asph. Pav't

Exist. 6" Conc. Curb & Gutter

Exist. 6" Conc. S/W

Exist. 36" R.C.P. TO REMAIN

Exist. 36" R.C.P. (TO REMAIN)

Exist. 15" R.C.P. (TO REMAIN)

Exist. 24" R.C.P.

Exist. 21" R.C.P. (TO REMAIN)

Exist. 15" R.C.P.

Exist. 18" R.C.P.

Exist. 8" V.C.P. San. To Be Removed

Exist. 6" V.C.P. San. To Be Removed

Exist. 2" Gas

Exist. Telephone

Exist. 6" Water

Exist. 2" Water

Exist. 8" Water

Exist. 4" Force Main

Exist. Manhole

Exist. 5' Conc. S/W

Exist. 20'± Asph.

Exist. 15'± Asph. Pav't

Exist. 16'± Asph. Pav't

Exist. Inl. EL. 14.79

Storm M.H.

San. M.H.

San. H.C.

Conc. Dr.

Conc. Man.

Guy Pole

6' Chain Link Fence

Business

Asph.

Conc. D/W

Conc. A/W

Conc. S/W

Conc. Curb

Conc. Curb & Gutter

Conc. Inlet

Telephone

Survey Line

Survey Line Profile

Survey Line Plan

Survey Line Profile

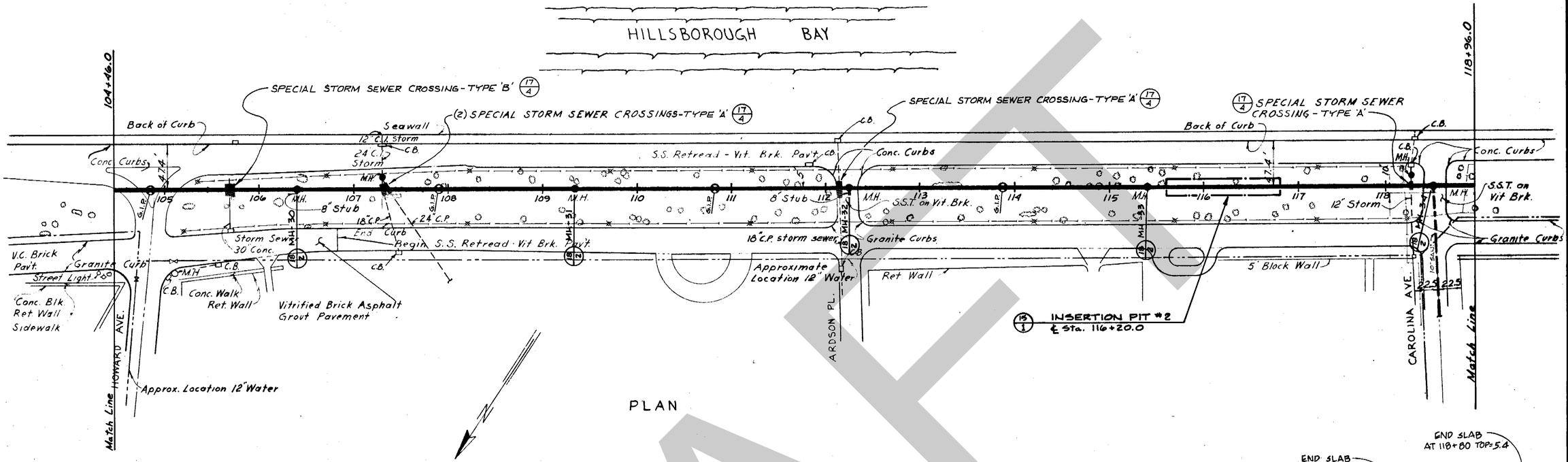
Survey Line Plan

Survey Line Profile

Survey Line Plan

Q.14 Bayshore Interceptor Rehabilitation Project (City of Tampa Dept. of Sanitary Sewers)

DRAFT



PROFILE

BASE INFORMATION DERIVED FROM RECORD DRAWINGS PREPARED BY GREELEY & HANSEN ENGINEERS DATED JANUARY 30, 1952.

UTILITIES AND STREET IMPROVEMENTS UPDATED FROM DRAWINGS SUPPLIED BY CITY OF TAMPA OR PRIVATE UTILITIES.

CONTRACTOR TO VERIFY LOCATION OF ALL UNDERGROUND UTILITIES PRIOR TO EXCAVATION.

DRAFT

AS BUILT

REYNOLDS, SMITH AND HILLS ARCHITECTS • ENGINEERS • PLANNERS • INCORPORATED TAMPA FLORIDA	DALE D. ERNSBERGER, P.E. #13768	DES. D.D.E. DRN. G.M.T. CKD. D.D.E. DATE: 1-30-85	DEPARTMENT OF SANITARY SEWERS ELTON G. SMITH, DIRECTOR RALPH L. METCALF, II, CHIEF ENGINEER	No. 1 DATE 12/93 REVISIONS: AS-BUILT PER MARKED-UP PRINTS	SCALE 50 0 50 100 150 HORIZONTAL: 1" = 50' VERTICAL: 1" = 5'	DEPARTMENT of SANITARY SEWERS CITY of TAMPA, FLORIDA **BAYSHORE INTERCEPTOR REHABILITATION PROJECT**	**PLAN AND PROFILE** **STA. 104+46 to STA. 118+96** 39-106	SHEET 12 OF 18

Q.15 Lakeview Road Drainage – Parkland Blvd to Bristol Ave

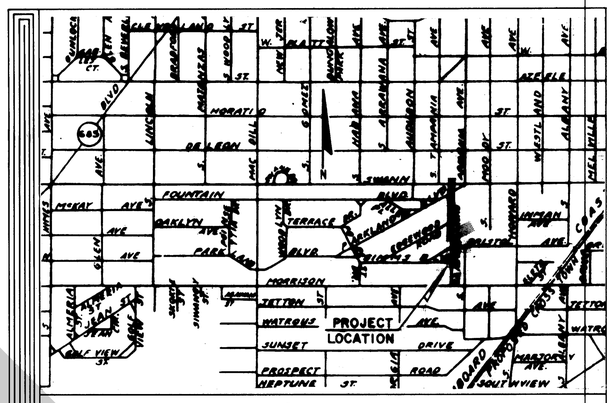
DRAFT

AF 43400

CITY OF TAMPA
DRAINAGE IMPROVEMENTS

LAKEVIEW ROAD DRAINAGE

Parkland Blvd. to Bristol Ave.



VICINITY MAP
Scale: 1" = 1000'

INDEX OF SHEETS

Sheet No.	Description
1	Cover Sheet and Vicinity Map
2	Summary of Quantities, General Information and Legend
3-5	Plan and Profile

APPLICABLE CITY STANDARD DRAWINGS

D-2	Standard Inlets Types 1,2,3,"D","E", & "H" (Rev. 10/88)
D-8	Manhole Frame & Cover (Rev. 5/83)
D-10	Guidelines For Conflict M.H. (12/81)
P-3	Curb & Gutters (5/81)

APPLICABLE D.O.T. STANDARD DRAWINGS - (1990)

102	Baled Hay or Straw Barriers and Silt Fences (3 Sheets)
200	Structure Bottoms Types J&P (Rev. 12/88)
211	Curb Inlet Tops Types 5&6
280	Misc. Drainage Details (Sheet 1 of 4)

FILE No. PW87-75 JOB No. 5445

CONTRACT No. 3-92

AS-BUILT PLANS PREPARED FROM COMPLETED CONSTRUCTION INFORMATION SUBMITTED BY CONSTRUCTION ENGINEER AND REVIEWED FOR CONFORMATION OF GENERAL SITE CONDITIONS

Project Engineer _____ Date 10-21-93

Construction Engineer _____ Date _____

APPROVED BY
HENRY DORZBACK, PE # 39449
CHIEF ENGINEER
DEPARTMENT OF SANITARY SEWERS

APPROVED BY
RALPH L. METCALF II, P.E.
DIRECTOR
DEPARTMENT OF SANITARY SEWERS

STORMWATER MANAGEMENT DIVISION
CITY OF TAMPA
Sheet to Inclusive, Certified By:

STORMWATER MANAGEMENT DIVISION
DEPARTMENT OF SANITARY SEWERS
CITY OF TAMPA, FLORIDA

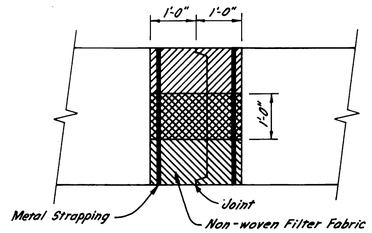
DRAFT

AF 44781

LEGEND

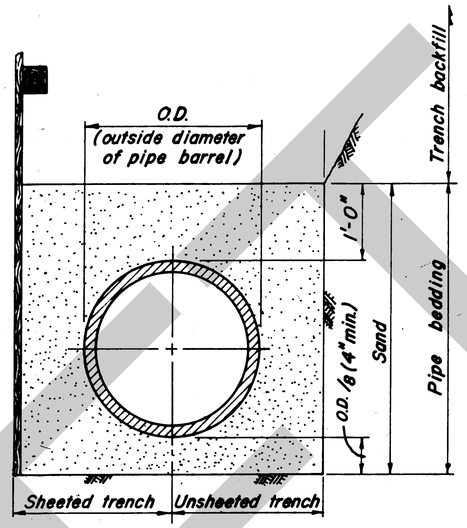
EXISTING Up to 15"	EXISTING 15" & Over	PROPOSED Up to 15"	PROPOSED 15" & Over	TYPE
12" R.C.P.	24" R.C.P.			STORM SEWER
8" V.C.P.	24" V.C.P.			SANITARY SEWER
8" Water	24" Water			WATER
6" Gas	18" Gas			GAS
				POWER (Electric)
				TELEPHONE
F F		F F		FIRE ALARM CABLE
4" Roof Drain				ROOF DRAIN
		3.5'-Depth Below Grade at ℄		WYE AT PROPERTY LINE (San. Sewer House Conn.)
				TEE AT PROPERTY LINE (San. Sewer House Conn.)
				STORM SEWER MH
				SANITARY SEWER MH
				OTHER (Type Identified)
V		V		VALVE BOX
M		M		METER
Gas Drip				GAS DRIP
				HANDHOLE OR PULL-BOX
				VALVE
Cleanout				SANITARY SEWER CLEANOUT
				FIRE HYDRANT
				POWER POLE (Electric)
				TELEPHONE POLE
				COMBINATION POLE (Power & Telephone)
				STREET LIGHT ON POST
				TRAFFIC LIGHT ON POST
P		P		POLICE CALL BOX
S		S		STREET SIGN ON POST (Marker)
				GUY POLE & WIRES
				GUY WIRE
Shrubs				SHRUBS
10" Pine				CONIFER TREES
6" Palm				PALM TREES
8" Oak				MISC. TREES (Identified)

NOTES:
1. For construction drawings, items listed under PROPOSED are items to be constructed.
2. All pipes and conduits to be drawn to scale in profile.

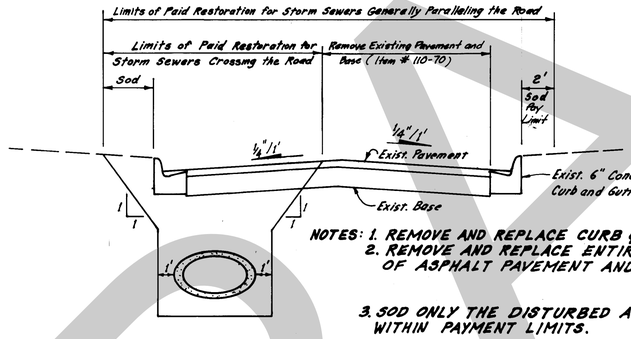


FILTER FABRIC JACKET DETAIL

Not to Scale



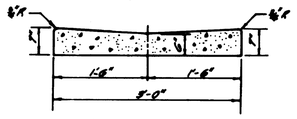
CLASS C BEDDING



NOTES: 1. REMOVE AND REPLACE CURB & GUTTER.
2. REMOVE AND REPLACE ENTIRE WIDTH OF ASPHALT PAVEMENT AND BASE
3. SOD ONLY THE DISTURBED AREA AND/OR WITHIN PAYMENT LIMITS.

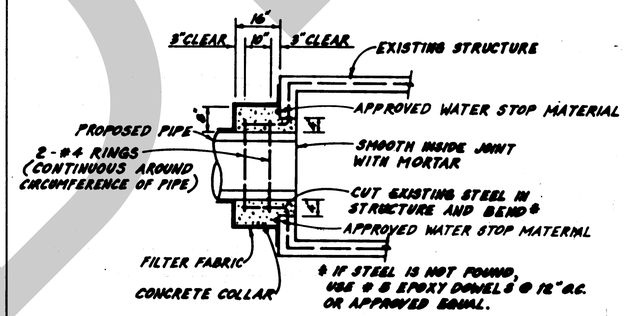
RESTORATION OF EXISTING PAVEMENT

Not to Scale



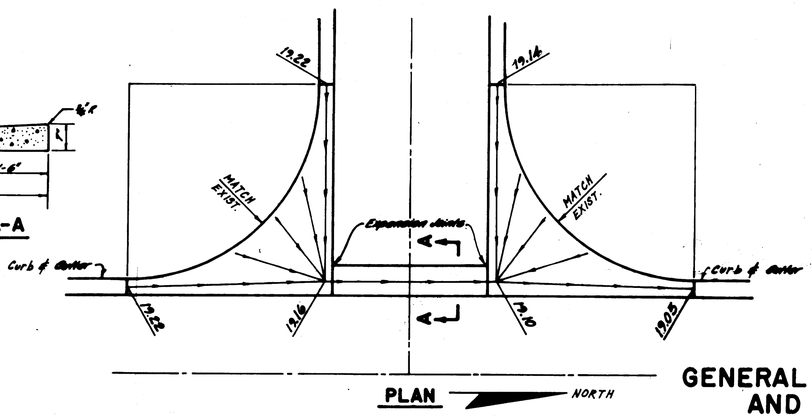
SECTION A-A

N.T.S.



TYPICAL CONNECTION DETAIL TO EXISTING DRAINAGE STRUCTURE

NOT TO SCALE



PLAN NORTH

INTERSECTION VALLEY GUTTER

N.T.S.

GENERAL NOTES

1. ALL ELEVATIONS ARE REFERRED TO THE MEAN SEA LEVEL DATUM OF THE U.S.C. AND G.S. (N.O.S.).
2. LOCATIONS, ELEVATIONS AND DIMENSIONS OF EXISTING UTILITIES, STRUCTURES AND OTHER FEATURES ARE SHOWN ACCORDING TO THE BEST INFORMATION AVAILABLE AT THE TIME OF THE PREPARATION OF THESE PLANS BUT DO NOT PURPORT TO BE ABSOLUTELY CORRECT. THE CONTRACTOR SHALL VERIFY THE LOCATIONS, ELEVATIONS, AND DIMENSIONS OF ALL EXISTING UTILITIES, STRUCTURES AND OTHER FEATURES AFFECTING HIS WORK PRIOR TO CONSTRUCTION.
3. THE CONTRACTOR SHALL PROVIDE AT LEAST 48 HOURS NOTICE TO THE VARIOUS UTILITY COMPANIES IN ADVANCE OF CONSTRUCTION, BY CALLING CANDY: 1-800-282-8881.
4. WHERE CONNECTIONS TO EXISTING WALKS AND DRIVES ARE NOT INDICATED ON THE PLANS, PROPER CONNECTIONS SHALL BE MADE AT DIRECTION OF THE ENGINEER.
5. STATIONS GIVEN ARE TO THE CENTERLINE OF THE INLETS AND MANHOLES.
6. THE CONTRACTOR SHALL COMPLY WITH THE PROVISIONS OF THE LATEST "TREE ORDINANCE" OF THE CITY OF TAMPA. THE CONTRACTOR IS REQUIRED TO RELOCATE THE TREES REMOVED AS A PART OF THE NECESSARY CONSTRUCTION INDICATED ON PLANS. HOWEVER, NO TREE SHALL BE REMOVED WITHOUT APPROVAL OF THE ENGINEER. CONTRACTOR SHALL PROTECT TREES TO REMAIN.
7. STREET SIGNS, STREET MARKERS AND R-O-W MARKERS SHALL BE REMOVED AND RELOCATED AS DIRECTED BY THE ENGINEER.
8. WHEN IN CONFLICT, UTILITY POLES, GAS LINES, UNDERGROUND ELECTRIC AND TELEPHONE CABLES WILL BE RELOCATED BY THE RESPECTIVE UTILITY OWNERS AT THEIR OWN EXPENSE AS DIRECTED BY THE ENGINEER.
9. DRIVEWAYS SHALL BE RECONSTRUCTED IN ACCORDANCE WITH CHAPTER 45, ARTICLE XIII OF THE CITY CODE, AS AMENDED BY ORDINANCE NO. 7582-A ADOPTED MARCH 17, 1981. DEVIATION FROM THE ESTABLISHED STANDARDS SHALL BE APPROVED BY THE CITY TRAFFIC ENGINEER.
10. USE CLASS 'C' BEDDING FOR ALL PIPES.
11. ALL PRECAST STRUCTURES SHALL FOLLOW D.O.T. CITY STANDARDS AS WELL AS SPECIFIC PROVISIONS
12. THE CONTRACTOR IS RESPONSIBLE FOR COMPLIANCE WITH ALL CURRENT ENVIRONMENTAL AND PERMIT RULES AND REGULATIONS OF THE CITY, STATE, (D.E.R. & SWFWMD), TAMPA PORT AUTHORITY, E.P.C. AND OTHERS.
13. PRIOR TO ANY CONSTRUCTION, CONTACT TAMPA ELECTRIC CO. (PH. 228-4714) FOR EXACT LOCATION OF UNDERGROUND LINES. TECO TO RELOCATE ANY CONFLICTING LINES.
14. IF LESS THAN 18" OF CLEARANCE IS NOT PROVIDED BETWEEN ANY OF THE 8" VCP SANITARY SEWERS OR 6" VCP SANITARY HOUSE CONNECTIONS AND THE PROPOSED STORM SEWERS CROSSING, REMOVE THE VCP AND AND REPLACE IT WITH THE SAME SIZE, CLASS 54 DIP WITH POLYBOND LINING, CONNECT WITH APPROVED FLEXIBLE CONNECTIONS.
15. ALL INLET APRONS SHALL BE 6" THICK CONCRETE OVER COMPACTED BASE. IF CURB IS SHOWN ON THE SIDES OF THE APRON, IT SHALL BE CONSTRUCTED INTEGRALLY WITH THE APRON. APRONS SHALL BE CONSTRUCTED AT 45 DEGREE ANGLES TO THE EDGE OF PAVEMENT.
16. ALL RCP'S AND ERCP'S SHALL BE MANUFACTURED AND INSTALLED WITHOUT LIFTHOLES.
17. ALL RCP'S AND ERCP'S SHALL BE CLASS III UNLESS NOTED OTHERWISE ON THE PLANS.

EROSION CONTROL

1. The erosion control shall comply with SP-21 (Latest Specification) along with the current Local, State and Federal erosion control regulations.
2. D.O.T. Index No. 102 (sheet 2 of 3) baled hay or straw barriers and silt fences is included as part of this sheet set for erosion control during construction.

APPROVED BY
RALPH L. METCALF II, P.E.
DIRECTOR
DEPARTMENT OF SANITARY SEWERS

APPROVED BY
HENRY DORZBACK, PE # 39449
CHIEF ENGINEER
DEPARTMENT OF SANITARY SEWERS

No.	Date	REVISION	By

GENERAL INFORMATION AND LEGEND

DEPT. OF SANITARY SEWERS
CITY OF TAMPA, FLORIDA

LAKEVIEW ROAD DRAINAGE

Parkland Blvd. to Bristol Ave.

Designed: JAS Date: 3/92 | Drawn: M.E. Date: 8-19-92 | Checked: Date:
Reviewed: Date: | Approved: WLH Date: 3-92 | Scale:
FIELD BOOK:

FILE No. PW87-75 | JOB No. 5445 | SHEET 2 of 5

DRAFT

AF 12087

Scale: 1" = 20'

Sec. 27-T29S-R18E

POLES TO BE PROTECTED OR RELOCATED BY TECO

TECO TO PROTECT

CONST. 109' OF 19"x30" R.C.P.

CONST. STD. CONFLICT M.H. TYPE 'J-7T' (6'x4') STA. ~~12+33~~, 6' LT. 12+57 TOP ELEV. = ~~17.96~~ 17.96 INV.(W) ELEV. = 14.87 INV.(N) ELEV. = 12.85 INV.(E) ELEV. = 15.96 INV.(S) ELEV. = 12.89

PEOPLES GAS TO RELOCATE

CONST. 8' OF 12"x18" R.C.P., CL III @ 1.0%

CONST. STD. INLET TYPE I STA. 12+60, 12' ± LT. 15.94 INV. 12"x18" R.C.P. = ~~15.08~~ TOP OF INLET at M.H. RIM ELEV. = 18.28 THROAT ELE. = 17.48

CONST. 98' OF 19"x30" R.C.P.

TECO TO RELOCATE - SEE NOTE #2

CONST. STD. M.H. TYPE 'J-7T' (4'x4') STA. ~~13+31~~, 6' LT. 13+49 TOP ELEV. = ~~15.18~~ ± 18.14 INV.(N) ELEV. = 13.13 INV.(S) ELEV. = 13.31 INV.(W) ELEV. = 15.43

CONST. 99' OF 14"x23" R.C.P.

CONST. STD. TYPE 'J-7T' (4'x6') STA. 11+~~44 ±, 96~~ +45 7.5 LT. TOP OF M.H. RIM ELEV. = 17.63 INV. N. ELEV. = 12.42 INV.(S) ELEV. = 12.57

CONST. 164' OF 19"x30" R.C.P.

PARKLAND

LAKEVIEW

RD.

EDGEWOOD RD.

BLVD.

STA. 14+50

MATCH LINE

Survey ℄ 15 14

CONST. 16' OF 15" R.C.P. @ 0.5%

REMOVE EXIST. 8" V.C.P. AND INSTALL 20' OF 8" D.I.P. WITH POLYBOND LINING AND APPROVED FLEXIBLE CONNECTION

CONST. STD. INLET TYPE P-5 12.58 STA. ~~12+33~~ ±, 10' ± RT. INV. 15" R.C.P. = ~~15.00~~ 15.08 TOP OF INLET at M.H. RIM ELEV. = 18.36 THROAT ELEV. = 17.58

REMOVE EXIST. 8" V.C.P. AND INSTALL 20' OF 8" D.I.P. WITH POLYBOND LINING AND APPROVED FLEXIBLE CONNECTION

MATCH EXIST. CURB ℄ GUTTER

CONST. 42' OF 15" R.C.P. CLASS II @ 0.5%

TOP OF INLET at M.H. RIM ELEV. = 18.56 CONST. STD. INLET TYPE II STA. 13+73, 36' RT. THROAT ELEV. = ~~18.00~~ 17.85 INV. 15" R.C.P. = ~~17.61~~ 15.62

MATCH EXIST. CURB ℄ GUTTER

OFFSET/RELOCATE 6" W.M. AS PER CURRENT WATER DEPT. STD. INSTALL 45° BEND AT STA. 13+50, 13.5' RT., 45° BEND AT STA. 13+53, 13.5' RT. 45° BEND AT STA. 13+71, 13.5' RT. 45° BEND AT STA. 13+74, 13.5' RT. ALL JOINTS SHALL BE RESTRAINED FROM STA. 13+18 TO STA. 14+06.

CONST. STD. M.H. TYPE 'J-7T' (4'x4') STA. 9+80.1, 8' LT. 17.46 TOP ELEV. = ~~17.46~~ RECONNECT EXISTING 36" R.C.P. (E. ℄ W.) TOP OF M.H. RIM ELEV. = 17.46 INV.(E) ELEV. = 11.90 INV.(W) ELEV. = 11.87 INV.(S) ELEV. = 11.83

MATCH EXISTING CURB ℄ GUTTER

PROTECT 8" WATER

PEOPLES GAS TO RELOCATE

STA. 11+06.25

STA. 11+05.67

R = 143.24'

L(A) = 73.656'

(AS PER SKETCH RECEIVED 12/7/92)

LEGEND: ○S Sprinkler Head

T.B.M. # 2 Elev. 18.73

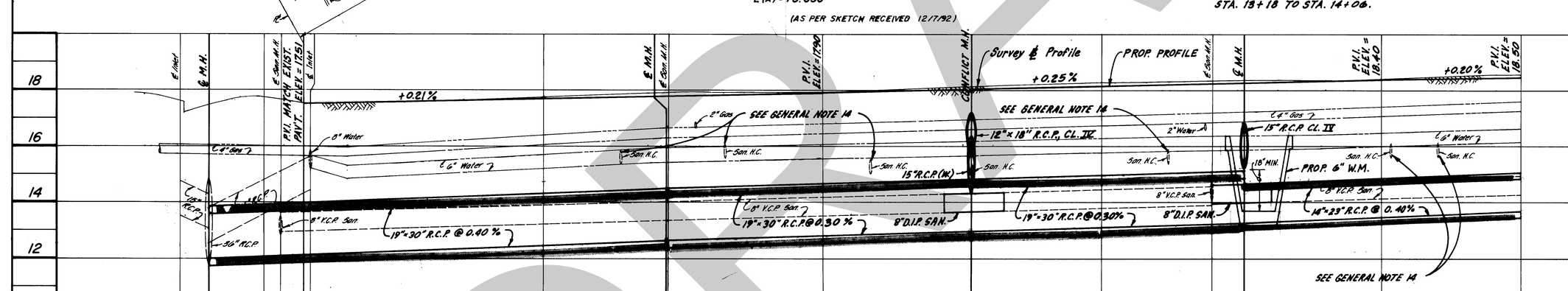
T-cut ℄ conc. S/W on S.W. corner Edgewood Rd. ℄ ℄ Lakeview Rd., 35' ± S. ℄ Edgewood Rd. ℄ 20' ± W. ℄ Lakeview Rd.

T.B.M. # 3 Elev. 17.86

T-cut ℄ conc. S/W on S.E. corner Lakeview Dr. ℄ Parkland Blvd., 20' ± E. ℄ Lakeview Rd. ℄ 30' ± S. ℄ Parkland Blvd.

NOTES:

1. REMOVE AND REPLACE STANDARD CURB ℄ GUTTER FROM STA. 10+05 ± TO STA. 14+50. (BOTH SIDES OF LAKEVIEW ROAD)
2. TECO SHALL LOCATE AND PROTECT U/G ELECTRIC CABLES FOR ENTIRE PROJECT AREA, AND RELOCATE CABLE WHERE IN CONFLICT WITH PROPOSED STORM SEWERS.



APPROVED BY
RALPH L. METCALF II, P.E.
DIRECTOR
DEPARTMENT OF SANITARY SEWERS

APPROVED BY
HENRY DORZBACK, PE #39449
CHIEF ENGINEER
DEPARTMENT OF SANITARY SEWERS

AS-BUILT
REVIEWED BY [illegible] DATE 10-21-93

DEPT. OF SANITARY SEWERS
CITY OF TAMPA, FLORIDA

LAKEVIEW ROAD DRAINAGE

Parkland Blvd. to Bristol Ave.

Designed: [illegible] Date: 7/92	Drawn: [illegible] Date: 11-27-92	Checked: Date:
Reviewed: Date:	Approved: W.L.H Date: 3/92	Scale: 1" = 20' Hor., 1" = 2' Ver.
FIELD BOOK: 1988-1		

FILE No. PW87-75 | JOB No. 5445 | SHEET 3 of 5

No. | Date | REVISION | By

DRAFT

AF 12087

Scale: 1" = 20'

Sec. 27 T29S R18E

LAKEVIEW RD.

BRISTOL AVE.

SIMMS BLVD.

STA. 14+50

STA. 11+50

STA. 19+11 MATCH EXISTING

MATCH LINE

MATCH LINE

50' R/W

35' R/W

CONST. STD. CONFLICT M.H. TYPE 'J-7T' (5'x4') STA. 15+65±, 6' LT. TOP ELEV. = 18.61± (SEE NOTE #4)

CONST. 12' OF 15" R.C.P. @ 0.5% TOP OF INLET at M.H. ELEV. = 18.96
CONST. STD. INLET TYPE 'I' STA. 16+72±
THROAT ELEV. = 18.23 14.77
INV. 15" R.C.P. = ~~14.80~~

OFFSET/RELOCATE 2" WATER MAIN AS PER CURRENT WATER DEPT. STD. INSTALL 45° BEND AT STA. 16+76, 6' LT., 45° BEND AT STA. 16+80, 9' LT., 45° BEND AT STA. 16+80, 12' LT., 45° BEND AT STA. 16+76, 15' LT.

P.I. Survey @ Sta. 11+71.93 N & C.

NOTE: SANITARY SEWER LINE IS 3' SOUTH OF OUTSIDE WALL OF JUNCTION BOX. BOX WAS SHIFTED NORTH SO NOT TO BE IN CONFLICT WITH SANITARY.

CONST. 28' OF 18" R.C.P.

MATCH EXIST. CURB & GUTTER

CONST. 16' OF 12"-18" R.C.P. CLASS II @ 0.5%
TOP OF INLET at M.H. RIM ELEV. = 19.03
CONST. STD. INLET TYPE 'I'
STA. 17+~~05~~±03
THROAT ELEV. = 18.23
INV. 12" x 18" R.C.P. = ~~16.50~~ 16.39

CONST. 50' OF 14"-23" R.C.P. CLASS III

CONST. STD. M.H. TYPE 'P-7T' (WITH INVERTED M.H. FRAME & COVER)
STA. 17+37, 6' LT.
TOP ELEV. = ~~19.95~~± 18.97
INV. ELEVs (N) = 15.95, (S) = 15.99, (W) = 16.16.

CONST. 9' OF 14"-23" R.C.P. CLASS III STUB

CONST. 18' OF 12"-18" R.C.P. CLASS II @ 0.5%

CONST. 120' OF 14"-23" R.C.P.

CONST. 116' OF 14"-23" R.C.P.

PEOPLES GAS TO PROTECT 2" GAS

4" GAS TO BE RELOCATED BY PEOPLES GAS FROM STA. 16+50± TO STA. 17+40±

CONST. STD. CONFLICT M.H. TYPE 'J-7T' (8'x5') STA. 16+~~88~~, ~~17+23~~ LT. 6.00 TOP ELEV. = 18.85± (SEE DETAIL THIS SHEET) WITH INVERTED M.H. FRAME & COVER.

CONST. 18' OF 12" x 18" R.C.P. CLASS II @ 0.50%

CONST. STD. INLET TYPE 'I' STA. 16+~~88~~ 89
TOP OF INLET at M.H. RIM ELEV. = 19.03
INV. 12" x 18" R.C.P. = ~~16.30~~ 16.27
THROAT ELEV. = 18.26

TOP OF INLET at M.H. RIM ELEV. = 19.29
CONST. STD. INLET TYPE 'I' STA. 17+39±
THROAT ELEV. = 18.47
INV. 12"-18" R.C.P. = ~~16.25~~ 16.31

REMOVE EXIST. 8" V.C.P. AND INSTALL 20' OF 8" D.I.P. WITH POLYBOND LINING AND APPROVED FLEXIBLE CONNECTION

OFFSET/RELOCATE 6" W.M. AS PER CURRENT WATER DEPT. STANDARD. INSTALL 45° BEND AT STA. 16+82, 13.5' RT., 45° BEND AT STA. 16+88, 18.0' RT. 45° BEND AT STA. 17+40, 18.0' RT. 45° BEND AT STA. 17+46, 19.5' RT. ALL JOINTS SHALL BE RESTRAINED FROM STA. 16+50±, TO STA. 17+78±. RECONNECT 2" W.M. @ STA. 17+88±, 18.0' RT.

CONST. INTERSECTION VALLEY GUTTER AS PER DETAIL ON SH. 2

26.5' RT. MATCH EXIST.

CONST. 4' Chain Link Fence

CONST. 4' Conc. Walk

CONST. 5' Conc. S/W

CONST. 6' Conc. Curb, 18" Gutter Under Asph. Pavt.

CONST. 20' ± Asph. Pavt.

Approx. Location of U/g Electric

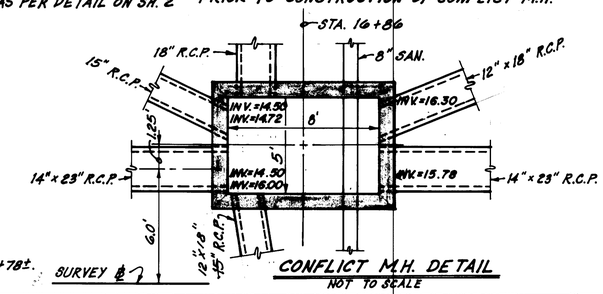
Approximate Location of U/g Telephone Cable

LEGEND:
Sprinkler Head

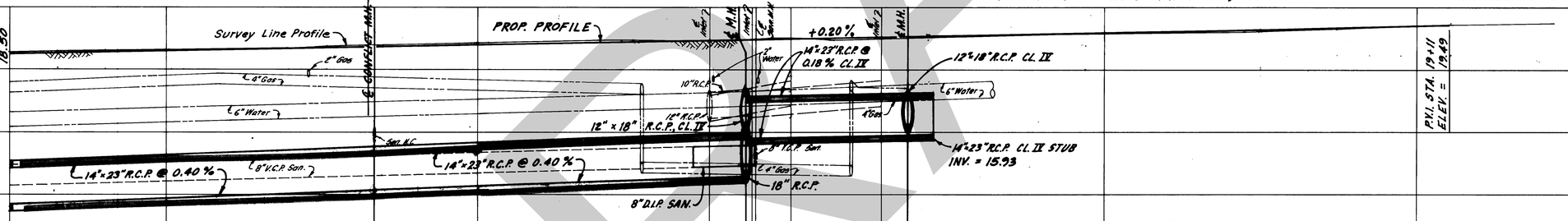
T.B.M. #1 Elev. 20.14
T-cut Bk conc. S/W @ Radius @ S.W. Cor. Lakeview Rd. & Simms Blvd. Ref. Bk # 1987-10

T.B.M. #2 Elev. 18.79
T-cut @ conc. S/W on S.W. corner Edgewood Rd. & Lakeview Rd., 95' ± S. @ Edgewood Rd. & 20' ± W. @ Lakeview Rd.

NOTES:
1. REMOVE AND REPLACE STD. CURB & GUTTER FROM STA. 14+50 TO STA. 19+11.
2. ALL EXISTING INLETS AND STORM SEWER PIPES AT THE INTERSECTION OF BRISTOL AVE. AND LAKEVIEW RD. SHALL BE REMOVED.
3. EXISTING 12" R.C.P. SHALL BE REMOVED WITHIN THE AREA AFFECTED BY THE CONSTRUCTION THE REMAINING PORTION OF THE PIPE SHALL BE CLEANED AND GROUTED AND SHALL BE PLUGGED AT BOTH ENDS.
4. VERIFY EXACT ELEVATION OF 6" H.C. PRIOR TO CONSTRUCTION OF CONFLICT M.H.



CONFLICT M.H. DETAIL
NOT TO SCALE



AS-BUILT
REVIEWED BY [illegible] DATE 10-21-93
19+00

APPROVED BY
RALPH L. METCALF II, P.E.
DIRECTOR
DEPARTMENT OF SANITARY SEWERS

APPROVED BY
HENRY DORZBACK, PE # 39449
CHIEF ENGINEER
DEPARTMENT OF SANITARY SEWERS

No.	Date	REVISION	By

DEPT. OF SANITARY SEWERS
CITY OF TAMPA, FLORIDA

LAKEVIEW ROAD DRAINAGE

Parkland Blvd. to Bristol Ave.

Designed: JHS	Date: 3/92	Drawn: MW	Date: 4-27-92	Checked:	Date:
Reviewed:	Date:	Approved by: LH	Date: 3-92	Scale: 1"=20' Hor., 1"=5' Ver.	
FIELD BOOK: 1908-1, 1987-10					
FILE No. PW87-75	JOB No. 5445	SHEET 4 of 5			66/25

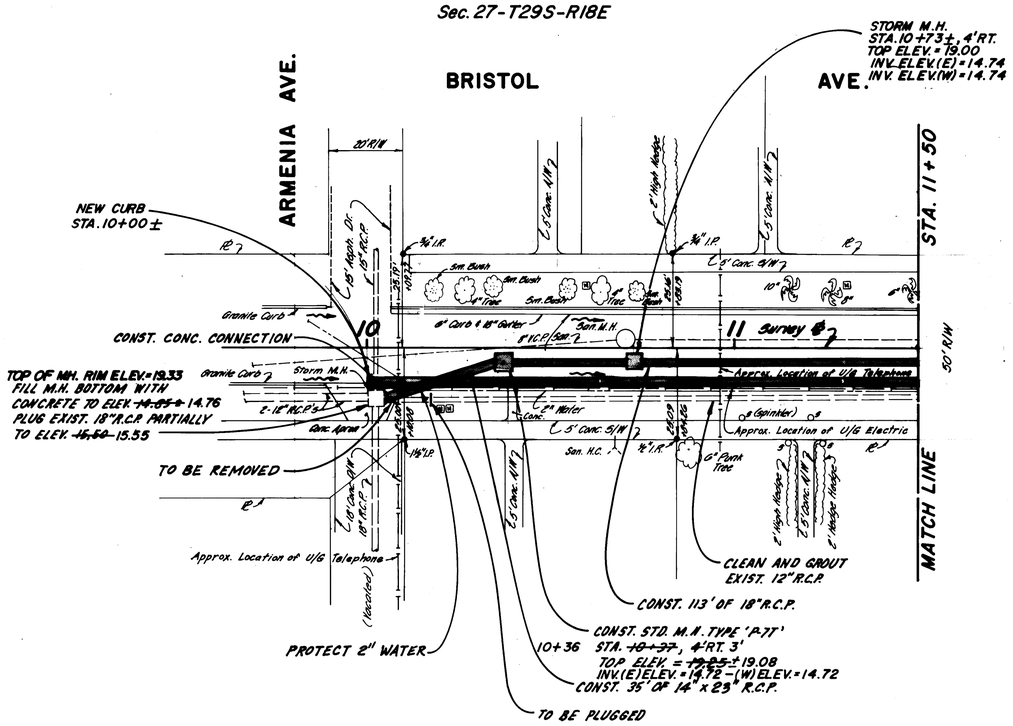
DRAFT

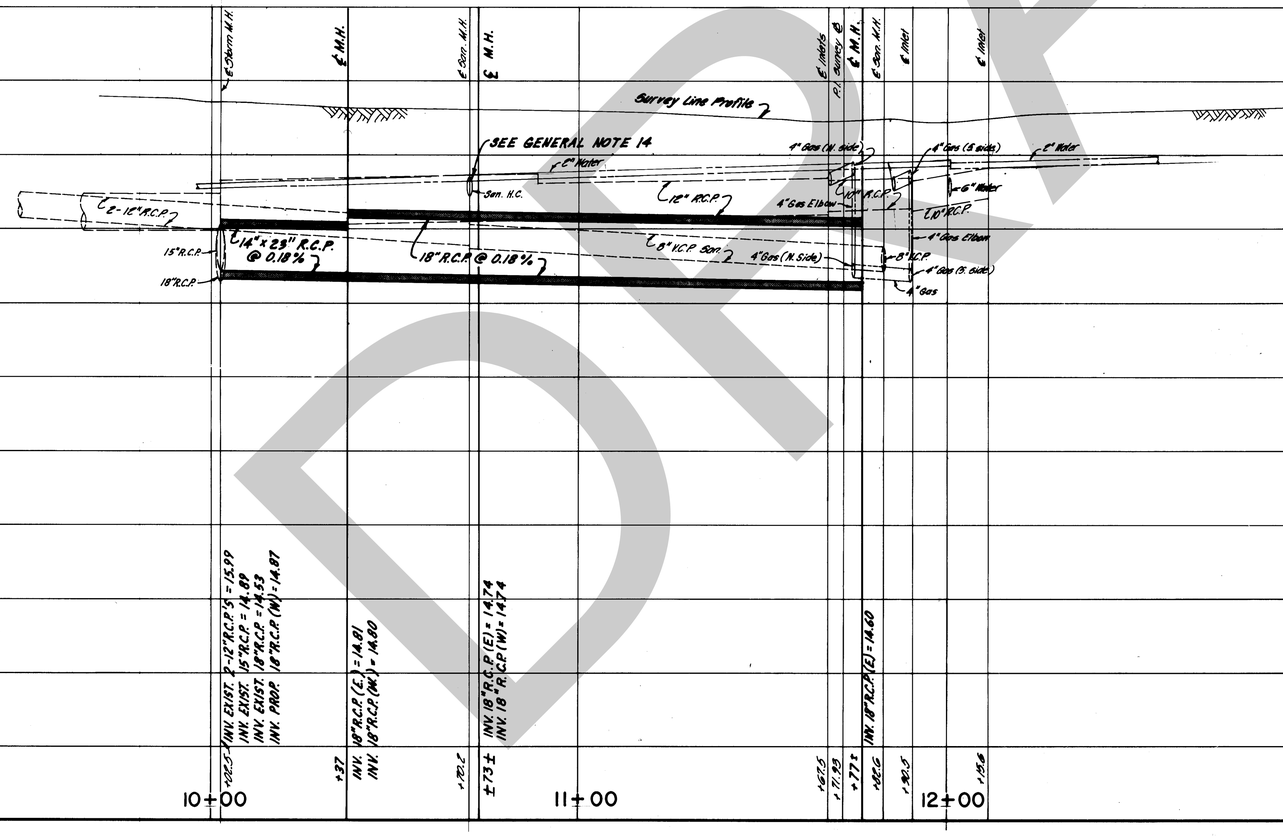
AF 12087

TBM #1 Elev. 20.14
T-cut BA Conc. S/W @ Radius @ S.W. Cor. Lakeview Rd. & Simms Blvd.

Scale: 1" = 20'

Sec. 27-T29S-R18E





APPROVED BY
RALPH L. METCALF II, P.E.
DIRECTOR
DEPARTMENT OF SANITARY SEWERS

APPROVED BY
HENRY DORZBACK, PE # 39449
CHIEF ENGINEER
DEPARTMENT OF SANITARY SEWERS

AS-BUILT
REVIEWED BY _____ DATE 10. 21. 93

DEPT. OF SANITARY SEWERS
CITY OF TAMPA, FLORIDA

LAKEVIEW ROAD DRAINAGE

Parkland Blvd. to Bristol Ave.

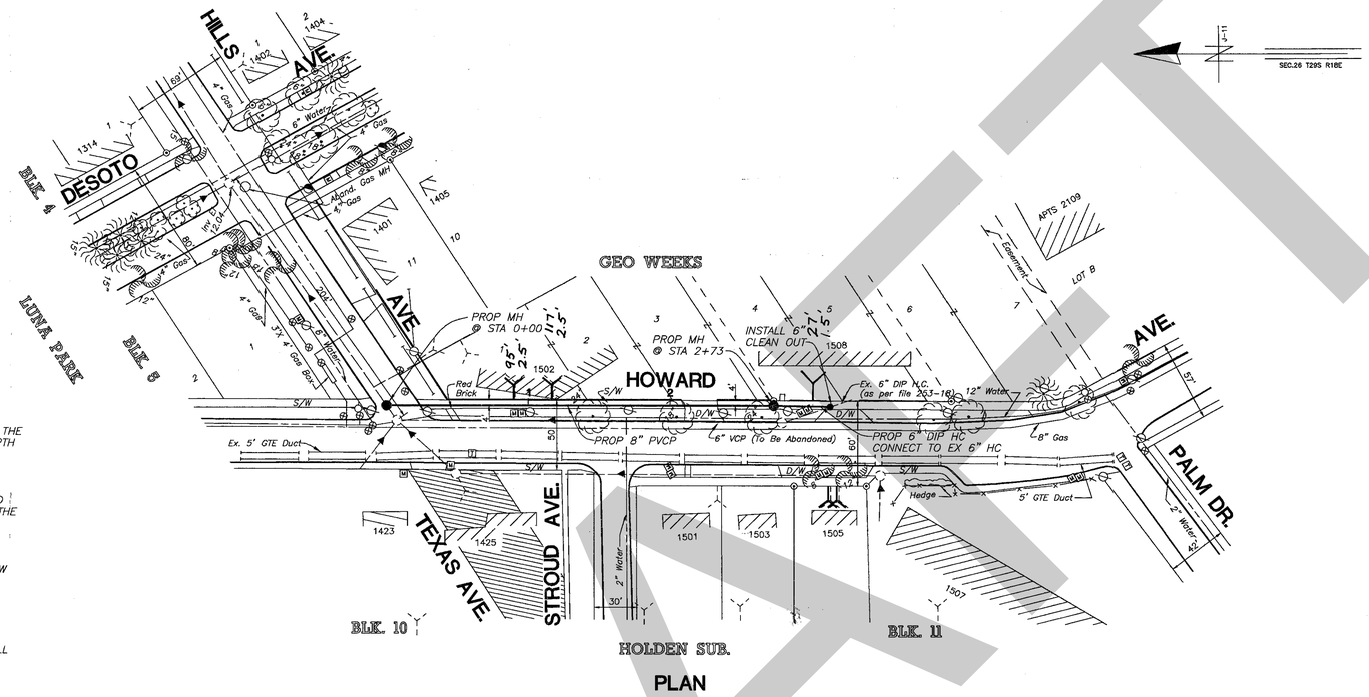
Designed:	Date: 3/92	Drawn:	Date:	Checked:	Date:
Reviewed:	Date:	Approved: WLH	Date: 3/92	Scale: H. 1"=20', V. 1"=5'	
FIELD BOOK: 1987-10					
FILE No. PW87-75	JOB No. 5445	SHEET 5 of 5			

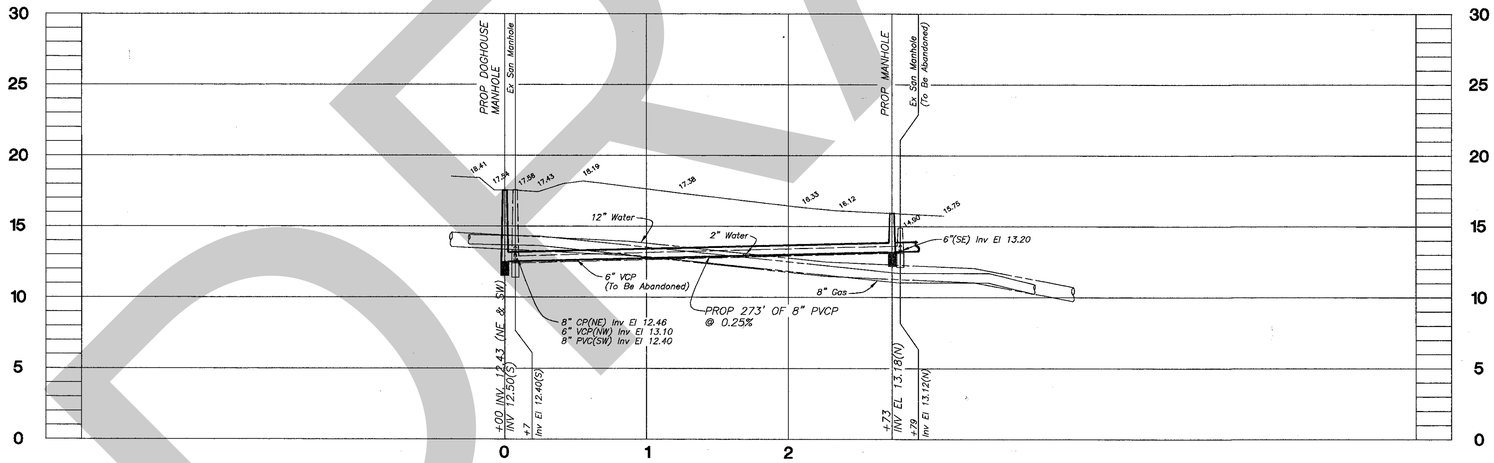
No.	Date	REVISION	By

DRAFT

Q.16 Renewal and Replacement, Sewage Disposal System – Howard Ave: Hills Ave to Palm Dr

DRAFT





NOTES

1. ALL ELEVATIONS ARE BASED ON NOS DATUM UNLESS OTHERWISE NOTED.
2. LOCATIONS OF EXISTING UNDERGROUND UTILITIES WERE PREPARED FROM THE MOST RELIABLE INFORMATION AVAILABLE. VERIFY THE LOCATION AND DEPTH OF ALL PERTINENT UTILITIES PRIOR TO CONSTRUCTION. NOTIFY UTILITY COMPANIES AT LEAST 48 HOURS BEFORE BEGINNING CONSTRUCTION, BY CALLING 1-800-432-4770.
3. NEW HOUSE CONNECTION LOCATIONS ARE APPROXIMATE ONLY. REQUIRED LOCATION AND DEPTH WILL BE COORDINATED WITH THE HOMEOWNER AT THE TIME OF CONSTRUCTION BY THE D.S.S. CONSTRUCTION CREWS.
4. WHERE AN EXISTING SEWER IS TO BE REMOVED OR ABANDONED AND REPLACED WITH A NEW SEWER, CONTINUOUS SEWER SERVICE MUST BE MAINTAINED AT ALL TIMES, WHILE CONNECTING THE LATERALS TO THE NEW SEWER IN PLACE.
5. THE MINIMUM CLEARANCE BETWEEN SEWERS AND WATER LINES SHALL BE 6" UNDER ALL CIRCUMSTANCES. IF THE SEWER IS BELOW A WATER LINE AND HAS BETWEEN 6" AND 18" OF CLEARANCE, OR IF THE SEWER IS ABOVE THE WATER LINE REGARDLESS OF CLEARANCE, THEN A NOMINAL 20' LENGTH OF GREEN AWWA CLASS 150 C900 PVC PIPE SHALL BE CENTERED OVER/UNDER THE WATER LINE.
6. 1505 S. HOWARD TO BE CONNECTED TO THE EXISTING 8" LINE ON THE WEST PARKWAY OF HOWARD AVENUE.
7. 6" VCP LINE TO BE ABANDONED WILL BE GROUTED BY CITY FORCES.

DRAFT

AS-BUILT

HENRY DORZBACK, P.E. #39449
CHIEF ENGINEER
DEPARTMENT OF SANITARY SEWERS

RALPH L. METCALF II, P.E.
DIRECTOR
DEPARTMENT OF SANITARY SEWERS

DES: JPW/RD
DRN: BK
CKD:
DATE: 5/30/07

No.	DATE	REVISIONS
1		
2		
3		
4		
5		

SCALE
50 0 50 100
1" = 50'

CITY OF TAMPA FLORIDA
DEPARTMENT OF SANITARY SEWERS
RENEWAL & REPLACEMENT
SEWAGE DISPOSAL SYSTEM

HOWARD AVE: HILLS AVE. TO PALM DR.

DESIGN W.O.
CONSTRUCTION W.O. 5643

SHEET 1 OF 1

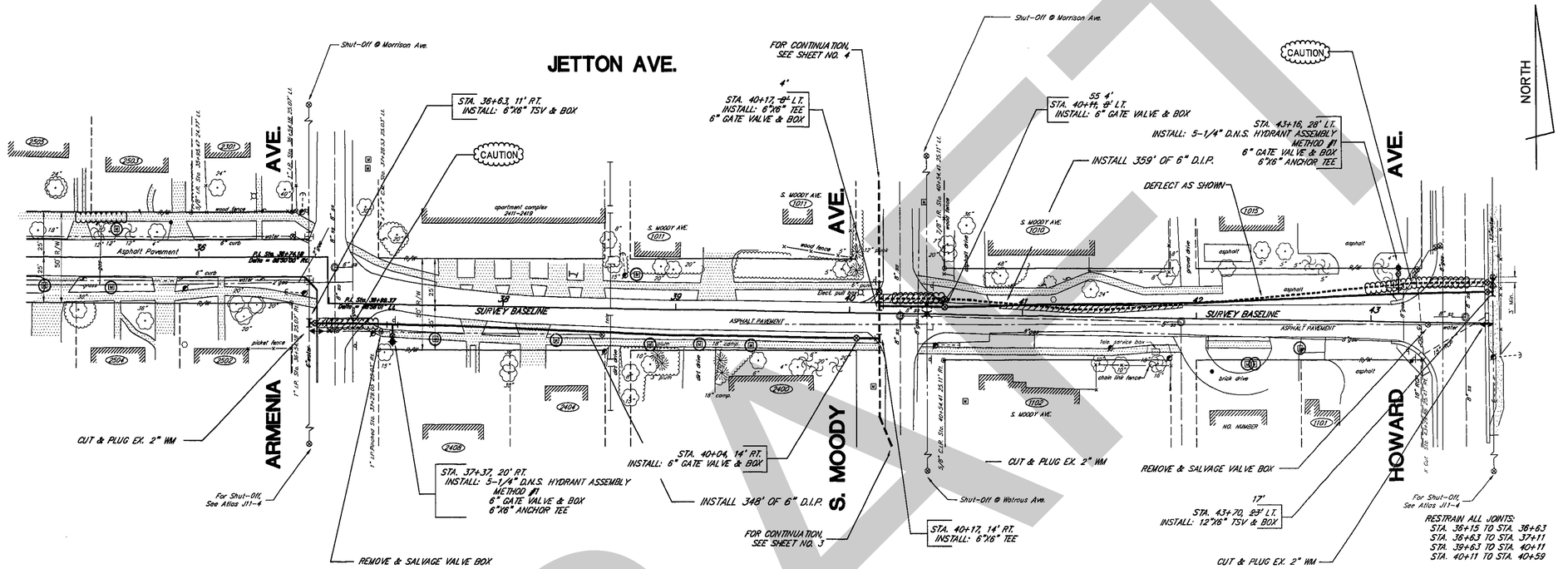
300-49

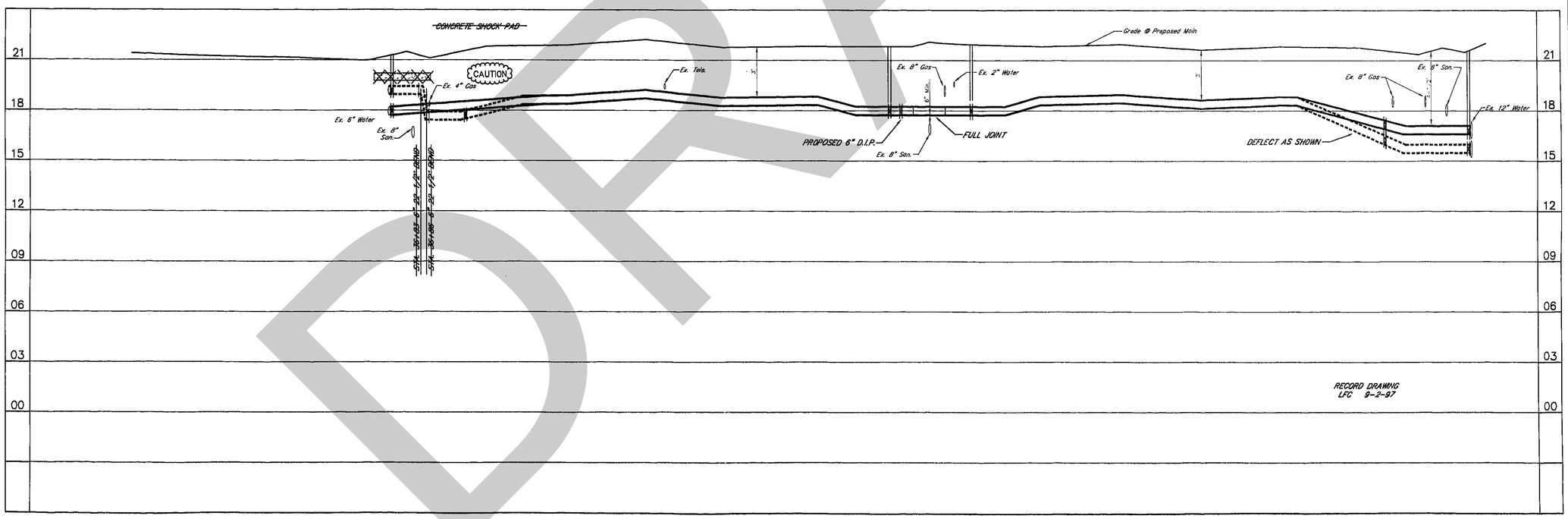
300-49

e:\r13\dwg\pipe\44329 50 STA #6

Q.17 City of Tampa Water Department – Galvanized Main Replacement – Jetton Ave

DRAFT





CITY OF TAMPA
WATER DEPARTMENT
ENGINEERING DIVISION

GALVANIZED MAIN REPLACEMENT

JETTON AVE. FROM: STA. 35+00
TO: HOWARD AVE.

1" = 30' HORIZ.
1" = 3' VERT.

Atlas Page J11-4

No.	Date	REVISION	By
	Approved	Date	

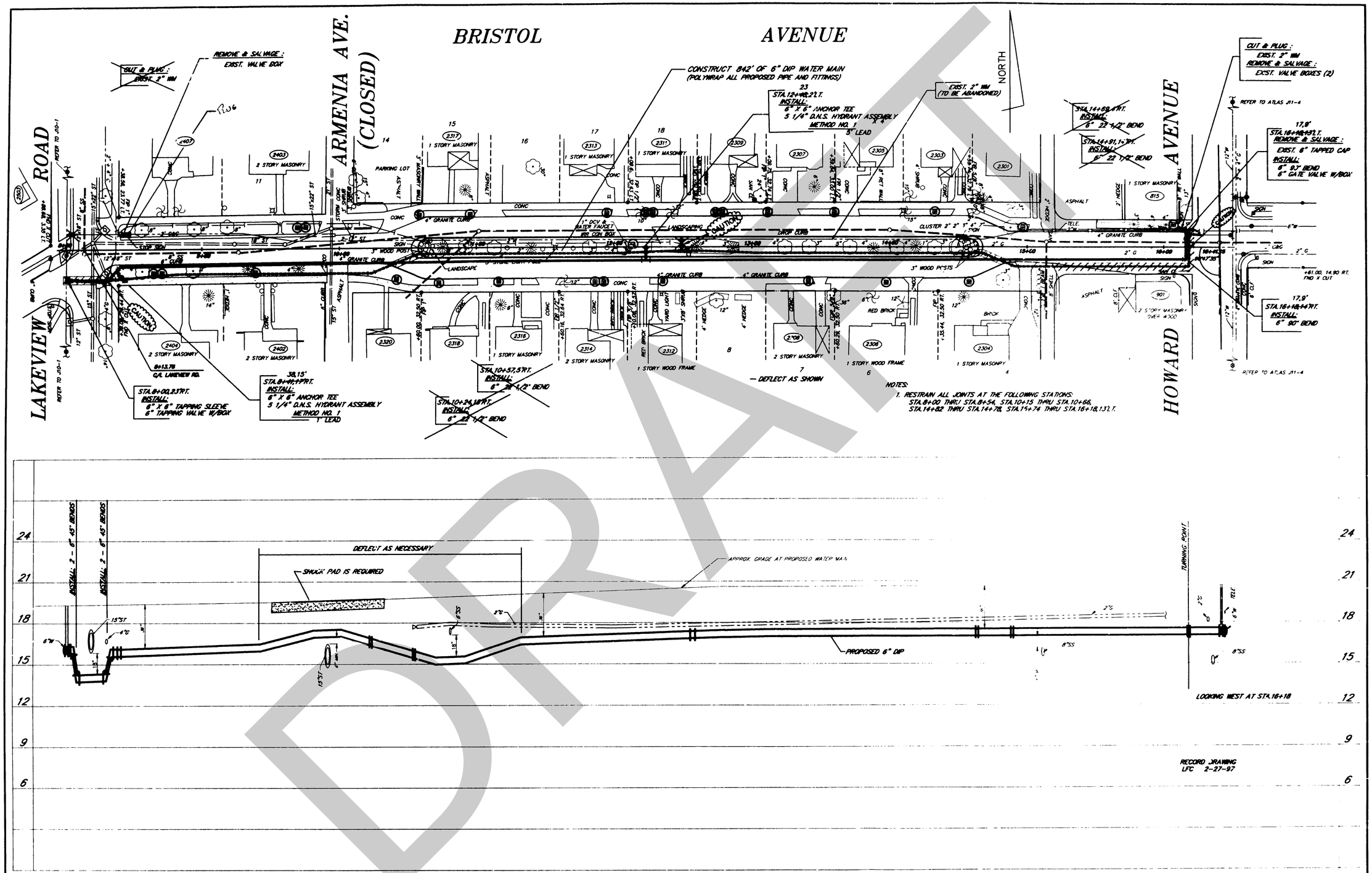
Des: JRR
Dwn: LFC
Ckd: DEW

W.O. 8715
DRAWING NUMBER 97-007
FILE NUMBER E9-1-15
SHEET 2 OF 4 SHEETS

DRAFT

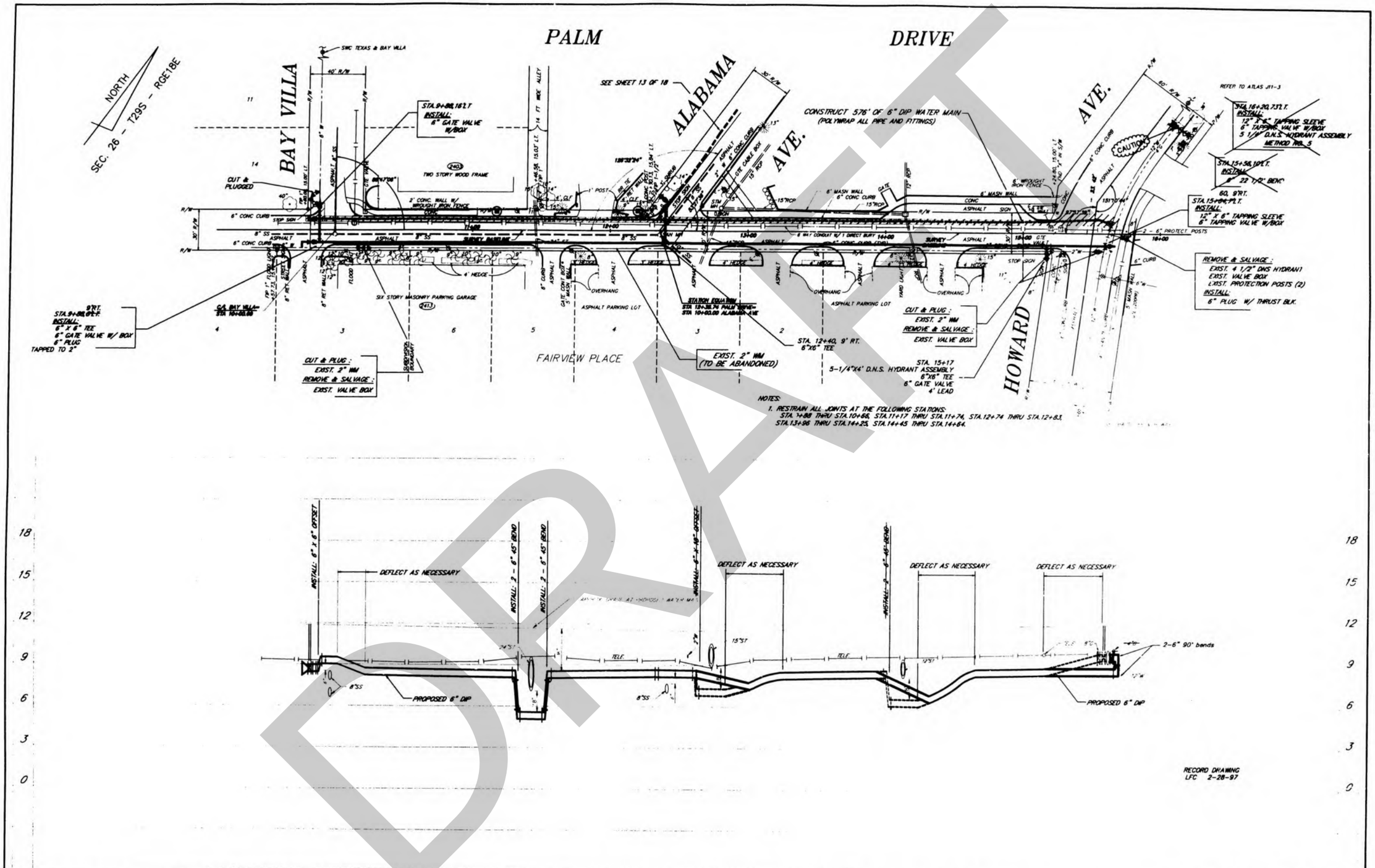
Q.18 6” Water Main Extension – Bristol Ave from Armenia Ave to Howard Ave

DRAFT


BRISTOL AVENUE
LAKEVIEW ROAD
ARMENIA AVE. (CLOSED)
HOWARD AVENUE
NORTH
REMOVE & SALVAGE : EXIST. VALVE BOX
CUT & PLUG : EXIST. 2" WM
CONSTRUCT 842' OF 6" DIP WATER MAIN (POLYWRAP ALL PROPOSED PIPE AND FITTINGS)
EXIST. 2" WM (TO BE ABANDONED)
CUT & PLUG : EXIST. 2" WM
REMOVE & SALVAGE : EXIST. VALVE BOXES (2)
STA.12+48.2 T. INSTALL: 6" X 6" ANCHOR TEE 5 1/4" O.M.S. HYDRANT ASSEMBLY METHOD NO. 1 5' LEAD
STA.14+68.4 RT. INSTALL: 6" 22 1/2° BEND
STA.14+91.1+ RT. INSTALL: 6" 22 1/2° BEND
STA.8+00.2 RT. INSTALL: 6" X 6" TAPPING SLEEVE 6" TAPPING VALVE W/BOX
STA.8+44.7 RT. INSTALL: 6" X 6" ANCHOR TEE 5 1/4" O.M.S. HYDRANT ASSEMBLY METHOD NO. 1 1' LEAD
STA.10+24.1 RT. INSTALL: 6" 22 1/2° BEND
STA.10+57.5 RT. INSTALL: 6" 22 1/2° BEND
STA.16+18+93 T. REMOVE & SALVAGE : EXIST. 6" TAPPED CAP INSTALL: 6" 11.7° BEND 6" GATE VALVE W/BOX
STA.16+14+7 RT. INSTALL: 6" 90° BEND
17.9'
38.15'
DEFLECT AS SHOWN
NOTES:
1. RESTRAIN ALL JOINTS AT THE FOLLOWING STATIONS: STA.8+00 THRU STA.8+54, STA.10+15 THRU STA.10+66, STA.14+82 THRU STA.14+78, STA.15+74 THRU STA.16+18,13 T.
REFER TO ATLAS J11-4
REFER TO J10-1
PARKING LOT
LANDSCAPE
CAUTION
SIGN
ASPHALT
CONC
4" GRANITE CURB
DROP CURB
3" WOOD POSTS
1 STORY MASONRY
2 STORY MASONRY
1 STORY WOOD FRAME
RED BRICK
BRICK
2" HEDGE
4" HEDGE
CLUSTER 2" 2" 1" 4"
TELE.
2" G
6" W
CURB
SAN. MH
8" SHELL
8" C.I.P.
2" WALL
12" W
12" ST
15" ST
18" ST
24" ST
ASPHALT
STORM CONC. FLUME
STORM CONC. SLOPE
TRAFFIC SIGNAL
2" WM
6" WM
8" WM
12" WM
2" G
6" G
8" G
12" G
2" S
6" S
8" S
12" S
2" FM
6" FM
8" FM
12" FM
1" DCV & WATER FAUCET RM. CON. BOX
2" GAS
2" TELE
2" ELEC
2" CATV
2" TELE
2" ELEC
2" CATV
2" TELE
2" ELEC
2" CATV

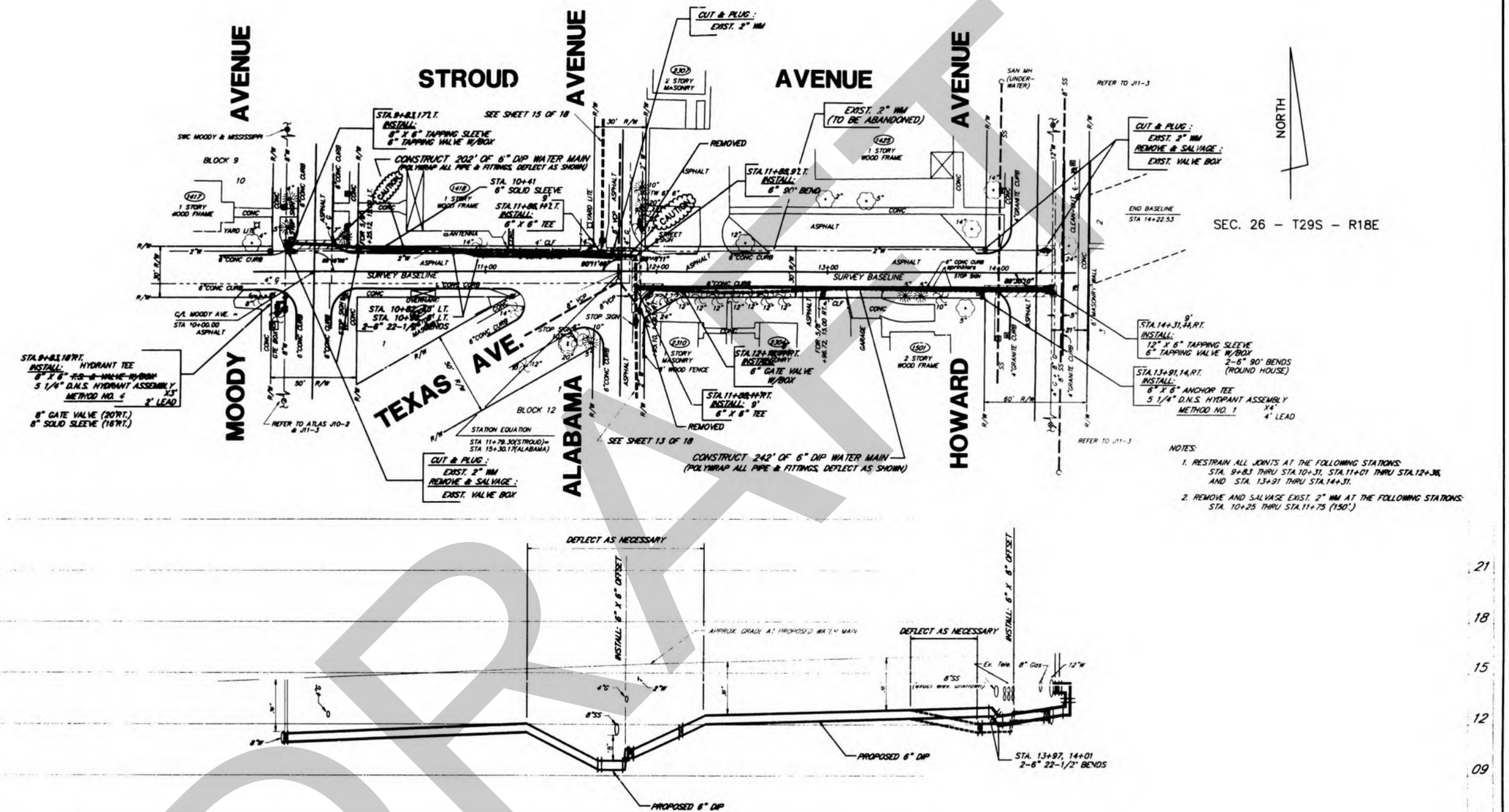
Q.19 6” Water Main Extension – Stroud Avenue from Moody Ave to Howard Ave

DRAFT



DRAFT

CITY OF TAMPA WATER DEPARTMENT ENGINEERING DIVISION	6" WATER MAIN EXTENSION	PALM DRIVE - from Bay Villa	1" = 30' HORIZ. 1" = 3' VERT.	Atlas Page J-11	No. Date REVISION By Approved Date	Des: MGL Dwn: MGL Ckd: DEW/KP	W.O. 8266 DRAWING NUMBER 95123 SHEET 12 OF 18 SHEETS File: UMR FIGS/J11-1,3,4 FILE NUMBER E8-2-42



DRAFT

CITY OF TAMPA
WATER DEPARTMENT
ENGINEERING DIVISION

6" WATER MAIN EXTENSION

STROUD AVENUE – from Moody Ave. To Howard Ave.

30 0 30 60 — 1" = 30' HORIZ.
3 0 3 6 — 1" = 3' VERT.

Atlas Page J-11 1,3,4

No.	Date	REVISION	By
		Approved Date	

Des: MGL
Dwn: MGL
Ckd: DEW/KP

W.O. 8386
DRAWING NUMBER 95-123
SHEET 14 OF 18 SHEETS

File: WR FMS/J11-1,3,4
FILE NUMBER E8-2-44

Q.20 Howard Ave and Bayshore Blvd Intersection Improvements (PW95-73)

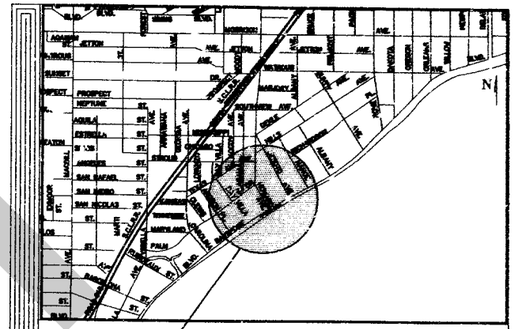
DRAFT

CITY OF TAMPA

HOWARD AVE. & BAYSHORE BLVD.
INTERSECTION IMPROVEMENTS

FILE NO. PW95-73 JOB NO. 4839

TRANSPORTATION DIVISION
DEPARTMENT OF PUBLIC WORKS
CITY OF TAMPA, FLORIDA



PROJECT LOCATION

VICINITY MAP
SCALE: 1"=1000'

INDEX OF DRAWINGS

SHEET NO	DESCRIPTION
1	Index & Vicinity Map
2	General Information
3	Plan & Profile
4	Typical Sections
5-7	Cross Sections
8	Pavement Marking Plan
9	Signalization Plan

STANDARD DRAWINGS & INDICES

THESE PLANS HAVE BEEN PREPARED IN ACCORDANCE WITH AND GOVERNED BY THE CITY OF TAMPA STANDARD DRAWINGS AND WHERE APPLICABLE, FLORIDA DEPARTMENT OF TRANSPORTATION ROADWAY AND TRAFFIC DESIGN STANDARDS (BOOKLET DATED JANUARY, 1994).

APPROVED BY:

JAMES BURNSIDE, P.E.
STREETS ENGINEER
DEPARTMENT OF PUBLIC WORKS

CERTIFICATION

Sheet 1 to 9 Inclusive, Certified By:

DRAFT

LEGEND

EXISTING Up to 12"Dia.	EXISTING Over 12"Dia.	PROPOSED Up to 12"Dia.	PROPOSED Over 12"Dia.	TYPE
12" R.C.P.	24" R.C.P.			STORM SEWER
8" V.C.P.	24" V.C.P.			SANITARY SEWER
8" Water	24" Water			WATER
3" Gas	10" Gas			GAS
				POWER (Electric)
				TELEPHONE
4" (Stubb bent to point of R/W) 4"		4" 4"		HOUSE CONNECTION (Sanitary Sewer)
				STORM SEWER MH
				SANITARY SEWER MH
				OTHER MH
V		V		VALVE BOX
M		M		METER
				VALVE
San. C.O.		San. C.O.		SAN. SEWER CLEAN OUT
				FIRE HYDRANT
				POWER POLE (Electric)
				TELEPHONE POLE
				COMBINATION POLE (Power & Telephone)
				STREET LIGHT ON POST
				TRAFFIC LIGHT ON POST
				POLICE CALL BOX
				GUY POLE & WIRES
				GUY WIRE
				SHRUBS
				CONIFER TREES
				PALM TREES
				MISC. TREES (Identify)

GENERAL NOTES

1. CITY OF TAMPA STANDARD DRAWINGS ARE AVAILABLE AT THE CITY HALL ANNEX, 306 E. JACKSON STREET, 5TH FLOOR, NORTH WING.
2. ALL ELEVATIONS REFER TO THE MEAN SEA LEVEL DATUM OF THE U.S.C. AND G.S. (M.S.L.).
3. LOCATIONS, ELEVATIONS, AND DIMENSIONS OF THE EXISTING UTILITIES, STRUCTURES, AND OTHER FEATURES ARE SHOWN ACCORDING TO THE BEST INFORMATION AVAILABLE AT THE TIME OF THE PREPARATION OF THESE PLANS BUT DO NOT PURPORT TO BE ABSOLUTELY CORRECT. THE CONTRACTOR SHALL VERIFY THE LOCATIONS, ELEVATIONS, AND DIMENSIONS PRIOR TO CONSTRUCTION.
4. THE CONTRACTOR SHALL CALL SUNSHINE (1-800-432-4770) AT LEAST 48 HOURS PRIOR TO ANY CONSTRUCTION ACTIVITY.
5. WHEN IN CONFLICT, UTILITY POLES, GAS LINES, UNDERGROUND ELECTRIC AND TELEPHONE CABLES WILL BE RELOCATED BY THE RESPECTIVE UTILITY OWNERS AT THEIR OWN EXPENSE AS DIRECTED BY THE ENGINEER.
6. PRIOR TO ANY CONSTRUCTION, THE CONTRACTOR SHALL NOTIFY THE FOLLOWING:

TAMPA ELECTRIC CO.	AT 228-4111
CITY SANITATION DEPT.	AT 237-7288
C.T.E.	AT 885-8435
PEOPLES GAS	AT 272-1551
TAMPA WATER DEPT.	AT 259-1633

7. SPECIAL CARE MUST BE TAKEN TO PROTECT WATER LINES DURING CONSTRUCTION. THE CONTRACTOR SHALL PROVIDE SUPPORTS AS NECESSARY AT NO EXPENSE TO THE CITY.
8. STATIONS AND OFFSETS REFER TO THE SURVEY BASELINE OR TO THE CONSTRUCTION CENTERLINE AS NOTED.
9. STATIONS AND OFFSETS FOR INLETS AND MANHOLES REFER TO THE CENTERPOINT OF THE STRUCTURE. CURB INLETS SHALL BE POSITIONED LONGITUDINALLY ACCORDING TO STATIONING GIVEN AND LATERALLY ACCORDING TO THE APPROPRIATE STANDARD, UNLESS NOTED OTHERWISE. CURB INLET TOP AND THROAT ELEVATIONS SHALL BE BASED ON THE EDGE-OF-PAVEMENT ELEVATION (GIVEN OR CALCULATED) AND THE APPROPRIATE STANDARD. INLET THROAT ELEVATIONS TO BE DETERMINED BY THE CONTRACTOR FROM THE EDGE-OF-PAVEMENT ELEVATION.
10. MANHOLE TOP ELEVATIONS TO BE DETERMINED BY THE CONTRACTOR AS PER PROPOSED STREET GRADES PROVIDED. IF DISTANCE BETWEEN TOP SLAB AND GRADE IS LESS THAN 7", THE CONTRACTOR SHALL PROVIDE INVERTED MANHOLE FRAME AND COVER AT NO ADDITIONAL COST TO THE CITY.
11. ALL CURB RADII, P.I., P.C., AND P.T. REFER TO THE EDGE-OF PAVEMENT UNLESS NOTED OTHERWISE.
12. NO TREES NOR TREE ROOTS SHALL BE REMOVED WITHOUT THE PRIOR APPROVAL OF THE ENGINEER.
13. ALL DISTURBED AREAS SHALL BE SODDED AS DIRECTED BY THE ENGINEER.
14. WHERE CONNECTIONS TO EXISTING WALKS AND DRIVES ARE NOT INDICATED ON THE PLANS, PROPER CONNECTIONS SHALL BE MADE AT THE DIRECTION OF THE ENGINEER.
15. STREET SIGNS, STREET MARKERS, AND R-O-W MARKERS SHALL BE REMOVED AND RELOCATED AS DIRECTED BY THE ENGINEER. NO SEPARATE PAYMENT SHALL BE MADE FOR THESE ACTIVITIES. ANY LOST OR DAMAGED SIGNS OR MARKERS SHALL BE REPLACED BY THE CONTRACTOR AT NO COST TO THE CITY.
16. THE CONTRACTOR SHALL REPLACE EXISTING DRIVEWAYS FROM THE EDGE OF PAVEMENT TO THE R-O-W LINE, WHEREVER AFFECTED BY CONSTRUCTION. MATERIALS SIMILAR TO THE EXISTING SHALL BE USED UNLESS NOTED OTHERWISE OR IN THE CASE OF UNPAVED DRIVEWAYS, A 6" THICK LAYER OF COMPACED SHELL SHALL BE INSTALLED OR AS SHOWN ON THE PLANS.
17. THE CONTRACTOR IS RESPONSIBLE FOR COMPLIANCE WITH ALL ENVIRONMENTAL RULES AND REGULATIONS OF THE CITY, COUNTY, STATE, TAMPA PORT AUTHORITY, ARMY CORPS OF ENGINEERS, AND ANY OTHER JURISDICTIONAL AGENCIES, AND ALL CONDITIONS SET FORTH IN ENVIRONMENTAL PERMITS.
18. ALL ROP'S AND EROP'S SHALL BE CONSTRUCTED WITHOUT LIFT-HOLES AND SHALL BE CLASS III UNLESS NOTED OTHERWISE IN THE PLANS.
19. EXISTING SANITARY SEWER LATERALS WHICH ARE TO BE EXTENDED SHALL BE CONSTRUCTED TO AND CONNECTED AT THE PROPERTY LINE, WHILE MAINTAINING CONTINOUS SEWER SERVICE. CLEANOUTS (PLASTIC OR CAST IRON) SHALL BE INCLUDED IN THE PRICE OF THE LATERAL EXTENSIONS AND NO SEPARATE PAYMENT SHALL BE MADE.
20. ALL PIPES UP TO 24" DIA. OR EQUAL SHALL HAVE CLASS "C" BEDDING. MAXIMUM TRENCH WIDTH OF THE PIPE BEDDING SHALL BE EQUAL TO THE OUTSIDE DIAMETER OF THE PIPE BARREL PLUS 2 FEET. PIPES OVER 24" DIA. SHALL HAVE CLASS B BEDDING. REFER TO THE DEPARTMENT OF SANITARY SEWERS STANDARD DETAIL. COST OF STANDARD BEDDING SHALL BE INCLUDED IN THE COST FOR PIPES.
21. THE CONTRACTOR SHALL USE ALL SURPLUS FILL APPROVED AS SUITABLE FROM EXCAVATION PRIOR TO SUPPLYING FILL FROM OTHER SOURCES. PAYMENT FOR ADDITIONAL FILL WILL BE MADE ONLY FOR FILL SUPPLIED FROM SOURCES OTHER THAN EXCAVATIONS IN THIS CONTRACT. SEE SPECIFICATIONS FOR MATERIALS REQUIREMENTS.
22. EXISTING PAVEMENT SHALL BE SAWCUT AT THE LIMITS OF PAVEMENT RECONSTRUCTION. SAWCUTTING SHALL BE INCLUDED IN THE COST OF THE OTHER VARIOUS CONTRACT ITEMS AND NO SEPARATE PAYMENT SHALL BE MADE.
23. DISPOSAL OF CONSTRUCTION AND DEMOLITION DEBRIS MAY ONLY OCCUR AT OFFSITE DISPOSAL FACILITIES APPROVED BY THE FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION.
24. BALED HAY OR STRAW BARRIERS AND/OR SILT FENCES MEETING FDOT INDEX #102 SHALL BE USED AS DIRECTED BY THE ENGINEER AS NECESSARY FOR SEDIMENT AND EROSION CONTROL DURING CONSTRUCTION. COST OF EROSION CONTROL SHALL BE INCLUDED IN THE COST OF THE OTHER VARIOUS CONTRACT ITEMS AND NO SEPARATE PAYMENT SHALL BE MADE.
25. CURB-AND-GUTTER ENDINGS SHALL CONFORM TO CITY OF TAMPA DPW STANDARD DRAWING P-3.
26. WHERE SANITARY SEWER HOUSE LATERALS ARE NOT SHOWN ON THE PLANS, NO INFORMATION IS AVAILABLE. CONTRACTOR SHALL VERIFY LOCATIONS OF LATERALS PRIOR TO CONSTRUCTION.
27. MAIL BOXES SHALL BE REMOVED AND RELOCATED AS DIRECTED BY THE ENGINEER. NO SEPARATE PAYMENT SHALL BE MADE FOR THIS ACTIVITY. LOST OR DAMAGED MAIL BOXES SHALL BE REPLACED BY THE CONTRACTOR AT NO COST TO THE CITY.
28. ALL DRAINAGE STRUCTURES SHALL HAVE SELECT BEDDING MATERIAL (12" THICK CRUSHED ROCK) UNDER THE STRUCTURE, UNLESS OTHERWISE NOTED ON THE PLAN OR IN THE SPECIFICATION OR INSTRUCTED BY THE ENGINEER.
29. ALL REINFORCED CONCRETE PIPE (ROUND OR ELLIPTICAL) SHALL BE INSTALLED WITH A NON-WOVEN FILTER FABRIC JACKET AS PER THE DETAIL ON THE CITY OF TAMPA STANDARD DRAWING NUMBER D-1.3.
30. REFER TO PROJECT SPECIFICATIONS FOR ADDITIONAL INFORMATION AND REQUIREMENTS. COMPLETE CONSTRUCTION DOCUMENTS CONSIST OF PLANS PLUS COMPLETE SPECIFICATIONS (GENERAL PROVISIONS, TECHNICAL SPECIFICATIONS, SPECIFIC PROVISIONS AND ANY ADDENDA), AND CITY AND FDOT STANDARDS, AS APPLICABLE.
31. EXISTING STORMWATER FACILITIES WHICH WILL BE REMOVED FROM SERVICE, INCLUDING PIPES, MANHOLES, MITERED END SECTIONS, ETC., SHALL BE REMOVED AND NOT ABANDONED IN PLACE.
32. INLET TOPS CONSTRUCTED AT CURB RETURNS SHALL BE CAST-IN-PLACE TO MATCH PROPOSED RADII.

DRAFT

GENERAL INFORMATION

Drawn:	Date:					CITY OF TAMPA DEPARTMENT OF PUBLIC WORKS TRANSPORTATION DIVISION	HOWARD AVE. & BAYSHORE BLVD. INTERSECTION IMPROVEMENTS	Field book: 95-983-25 Atlas Sheet: J-11 File No. PW95-73 Index No. Job No. 4839 Scale: N/A SHEET 2 OF 9
Designed:	Date: 1-98							
Checked:	Date: 1-98							
Reviewed:	Date: 1/98							
Approved:	Date: 1/98							
Approved:	Date:	No:	Date:	Revision:	By:			

SURVEYOR'S REPORT

MAP OF RECORD SURVEY:

SEE SHEET 2 FOR MAP OF SURVEY.
THE MAP AND REPORT ARE NOT FULL AND COMPLETE WITHOUT THE OTHER.

LEGAL DESCRIPTION:

SEE APPLICABLE
FIELD DATA SOURCE 3)

ACCURACY:

1. THE ACCURACY STANDARD USED FOR THE HORIZONTAL CONTROL FOR THIS SURVEY, AS CLASSIFIED IN THE MINIMUM TECHNICAL STANDARDS (61G17-6 F.A.C.) FOR "COMMERCIAL/HIGH RISK". THE MINIMUM RELATIVE DISTANCE ACCURACY FOR THIS TYPE OF SURVEY IS 1 FOOT IN 10,000 FEET. THE ACCURACY OBTAINED BY MEASUREMENT AND CALCULATION OF A CLOSED GEOMETRIC FIGURE WAS FOUND TO EXCEED THIS REQUIREMENT.

2. METHODS FOR ALL HORIZONTAL CONTROL MEASUREMENTS WERE MADE WITH A TRANSIT AND STEEL TAPE, OR DEVICES WITH EQUIVALENT OR HIGHER DEGREES OF ACCURACY.

3. THE FIELD MEASURED VERTICAL CONTROL FOR ELEVATION INFORMATION SHOWN UPON THIS MAP OF SURVEY IS BASED ON A LEVEL LOOP, AND THE ACCURACY OF THE CLOSURE (IN FEET) EXCEEDS STANDARD OF PLUS OR MINUS (.05 FEET TIMES THE SQUARE ROOT OF THE DISTANCE IN MILES. (SEE DATA SOURCE: NUMBER 3)

DATA SOURCES:

1. THIS SURVEY WAS PREPARED WITHOUT THE BENEFIT OF A COMMITMENT FOR TITLE INSURANCE.

2. NO INFORMATION FOR THE ADJOINING PROPERTY OWNERS WAS SUPPLIED TO THE SURVEYOR.

3. ELEVATIONS ARE BASED UPON THE CITY OF TAMPA, DEPARTMENT OF PUBLIC WORKS SURVEY SECTION CONTROL BENCH MARK USED, DESIGNATED AS 2005 - CIRCUIT NO. 648, PUBLISHED ELEVATION = 13.099 FEET, NATIONAL GEODETIC VERTICAL DATUM (NGVD) SEA LEVEL DATUM OF 1929.

4. THIS SURVEY WAS PREPARED WITH THE BENEFIT OF AN ELECTRONIC DRAWING FILE PROVIDED BY CITY OF TAMPA, DEPARTMENT OF PUBLIC WORKS, TRANSPORTATION DIVISION, ELECTRONIC DRAWING FILE NUMBER 95-73P.dwg AND THAT CERTAIN SET OF PLANS TITLED CITY OF TAMPA, HOWARD AVE. & BAYSHORE BLVD. INTERSECTION IMPROVEMENTS, SHEETS 1-9, FILE NO. PW95-73, JOB NO. 4838, CITY OF TAMPA, DEPARTMENT OF PUBLIC WORKS, CITY OF TAMPA, FLORIDA, AND ALSO PROVIDED BY CITY OF TAMPA, DEPARTMENT OF PUBLIC WORKS, TRANSPORTATION DIVISION.

5. PLAN STATION AND OFFSETS SHOWN FOR ALL STRUCTURES ARE BASED UPON THAT CERTAIN SET OF PLANS TITLED CITY OF TAMPA, HOWARD AVE. & BAYSHORE BLVD. INTERSECTION IMPROVEMENTS, SHEETS 1-9, FILE NO. PW95-73, JOB NO. 4838, CITY OF TAMPA, DEPARTMENT OF PUBLIC WORKS, CITY OF TAMPA, FLORIDA, PROVIDED BY CITY OF TAMPA, DEPARTMENT OF PUBLIC WORKS, TRANSPORTATION DIVISION. FIELD STATION AND OFFSETS SHOWN FOR ALL STRUCTURES AND/OR FITTING ARE FROM THE CENTER OF STRUCTURE AND/OR FITTING AND ARE CALCULATED USING FIELD LOCATED POINTS.

LIMITATIONS:

1. USE OF THIS SURVEY BY ANYONE OTHER THAN THOSE PREPARED FOR/CERTIFIED TO, WILL BE THE RE-USERS SOLE RISK WITHOUT LIABILITY TO THE SURVEYOR.

2. THERE MAY BE ADDITIONAL EASEMENTS AND/OR RESTRICTIONS AFFECTING THIS PROPERTY THAT MAY BE FOUND IN THE PUBLIC RECORDS OF THIS COUNTY.

3. THE LOCATIONS OF THE UNDERGROUND UTILITIES AND / OR THEIR APPURTENANCES WERE PERFORMED BY A FIELD SURVEY AND ONLY LOCATED AS SHOWN ON THE FACE OF THE SURVEY. ONLY THE UNDERGROUND UTILITIES AND/OR THEIR APPURTENANCES WHICH WERE VISIBLE FROM GROUND LEVEL TO THE SURVEYOR ON THE ACTUAL DAY OF THE FIELD SURVEY WERE LOCATED. NO EXCAVATIONS OR SUBSURFACE WORK EFFORTS OF ANY KIND WERE PERFORMED BY THE SURVEYOR TO VERIFY THE EXISTENCE OF ANY UNDERGROUND UTILITIES AND/OR THEIR APPURTENANCES. THE SURVEYOR MAKES NO GUARANTEE THAT THE UNDERGROUND UTILITIES AND/OR THEIR APPURTENANCES SHOWN COMPRISE ALL SUCH UTILITIES IN THE AREA, EITHER IN SERVICE OR ABANDONED.

4. PRINTED DIMENSIONS SHOWN ON THE SURVEY SUPERSEDE SCALED DIMENSIONS. THERE MAY BE ITEMS DRAWN OUT OF SCALE TO GRAPHICALLY SHOW THEIR LOCATION.

5. UNDERGROUND FOUNDATIONS AND THEIR LOCATIONS HAVE NOT BEEN DETERMINED.

6. IRRIGATION EQUIPMENT AND / OR THEIR APPURTENANCES HAVE NOT BEEN LOCATED UNLESS OTHERWISE SHOWN HEREON.

7. LAST DATE OF FIELD WORK 7/06/1998.

BOUNDARY INCONSISTENCIES:

NOT APPLICABLE.

APPARENT PHYSICAL USE:

1. THE SUBJECT PROPERTY IS UNDER CONSTRUCTION.

EASEMENTS/RIGHT-OF-WAYS

1. NO EASEMENT INFORMATION AFFECTING THE PROPERTY WAS SUPPLIED TO THE SURVEYOR.

PREPARED FOR:

AJAX PAVING INDUSTRIES
12165 U.S. 41 NORTH
PALMETTO, FL 34221

CERTIFIED TO:

CITY OF TAMPA, DEPARTMENT OF PUBLIC WORKS, TRANSPORTATION DIVISION

SURVEYOR AND MAPPER IN RESPONSIBLE CHARGE:

ROBERT C WRIGHT JR.
PROFESSIONAL SURVEYOR AND MAPPER
LICENSE NUMBER LS 4965
STATE OF FLORIDA

SYMBOLS LEGEND

- = Vertical Target
- = Bench Mark
- CPE = Cable T.V. Paint Stripe
- CB = Cable T.V. Box
- = Communications Manhole
- = Concrete Light Pole
- = Concrete Post
- = Concrete Utility Pole
- = Drainage Manhole
- = Electric Manhole
- FPCPS = F.P.C. Paint Stripe
- = F.P.C. Pedestal
- = Fire Hydrant
- = Flag Pole
- = Gas Line Marker
- = Gas Fill Cap
- = Gas Valve
- = Gas Meter Box
- GPS = Gas Line Paint Stripe
- = Grate Inlet
- = GTE Manhole
- = GTE Pedestal
- = GTE Marker
- = Guy Wire
- = Light Pole
- = Mail Box
- = Metal Post
- = Monitoring Well
- = Parking Meter
- PPS = Reclaimed Water Paint Stripe
- = Reclaimed Water Box
- = Reclaimed Water Valve
- = Sanitary Sewer Manhole
- = Sanitary Cleanout
- = Section Corner
- = Sign
- = Sprinkler Head
- SWPS = Storm Water Paint Stripe
- = Traffic Signal Box
- = Traffic Signal Pole
- = Water Line Paint Stripe
- = Water Meter
- = Water Valve
- = Wood Utility Pole
- = Wood Light Pole
- = Wood Post

ABBREVIATIONS LEGEND

A/C = Air Conditioner
AE# = Asphalt Driveway,
ASPH = Asphalt
B/C = Back of Curb
BFPD = Back Flow Prevention Device
BLDG = Building
BNDY = Boundary
(C) = Calculated Data
C/C = Covered Concrete
CFR = Certified Corner Record
CDW = Concrete Driveway
CI = Curb Inlet
℄ = Center Line
CLF = Chain Link Fence
CMP = Corrugated Metal Pipe
CONC = Concrete
COR = Corner
CPB = Condo Plat Book
C/S = Concrete Slab
C/T = Curb Tie
DB = Deed Book
DCVA = Double Check Valve Assembly
DNR = Department Natural Resources
DEPT = Department
DIA = Diameter
DIP = Ductile Iron Pipe
DMH = Drainage Manhole
E = East
EL = Elevation
E/P = Edge of Pavement
(F) = Field Data
FCM = Found Concrete Monument
FH = Fire Hydrant
FIR = Found Iron Rod w/ Cap
FND = Found
FN&D = Found Nail and Disk
FFE = Finished Floor Elevation
FN&TT = Found Nail and Tin Tag
FOP = Found Open Pipe
FPB = Found Plastic Tag
FPC = Found Pipe Corner
FPLED = Found Pinellas County Engineering Dept
FPR = Found Parker Kalon
FPR&D = Found Parker Kalon Nail and Disk
F/T = Fence Tie
FXC = Found X-cut
G/A = Guy Wire Anchor
GE = Grate Elevation
GI = Grate Inlet
GV = Gas Valve
IE = Invert Elevation
LB = Corporate Certification Number
LS = License Surveyor
MAS = Masonry
MES = Mitered End Section
MOL = More or Less
N = North
N/C = No Cap
N/F = Not Found
O/A = Over all
OHW = Overhead Wire
(P) = Data by Construction Plans (see data source 4)
PB = Plat Book
PC = Point of Curvature
PCED = Pinellas County Engineering Dept Brass Disk
PCP = Permanent Control Point
PG(S) = Pages
PK = Parker Kalon Nail
℄ = Property Line
PLS = Professional Land Surveyor
POB = Point of Beginning
POC = Point of Commencement
PRC = Point of Reverse Curvature
RGP = Found Rebar and Pipe
RLS = Registered Land Surveyor
RNG = Range
R/W = Right of Way
S = South
SCM = Set Concrete Marker
SEC = Section
SIR = Set 5/8"Iron Rod and Cap LB #4965
SMH = Sanitary Manhole
SNAIL = Set Nail and Disk
SPK&D = Set Parker Kalon Nail and Disk LB #4965
SQ = Square
ST = State Road
STY = Story
S/W = Sidewalk
TBM = Temporary Benchmark
(TYP) = Typical
TWP = Township
U/P = Utility Pole
VCP = Vitrified Clay Pipe
W = West
W/ = With
W/C = Wood Fence
WFP = Wood Fence Post
W/T = Wall Tie
WV = Water Valve
° = Degrees
' = Minutes (Bearing)
" = Seconds
' = Feet (Distances)

LAST DATE OF FIELD WORK: 7/06/1998
SEE SHEET 1 FOR SURVEYOR'S REPORT AND LEGENDS
SEE SHEET 2 FOR MAP OF SURVEY

FLORIDA DESIGN CONSULTANTS, INC.

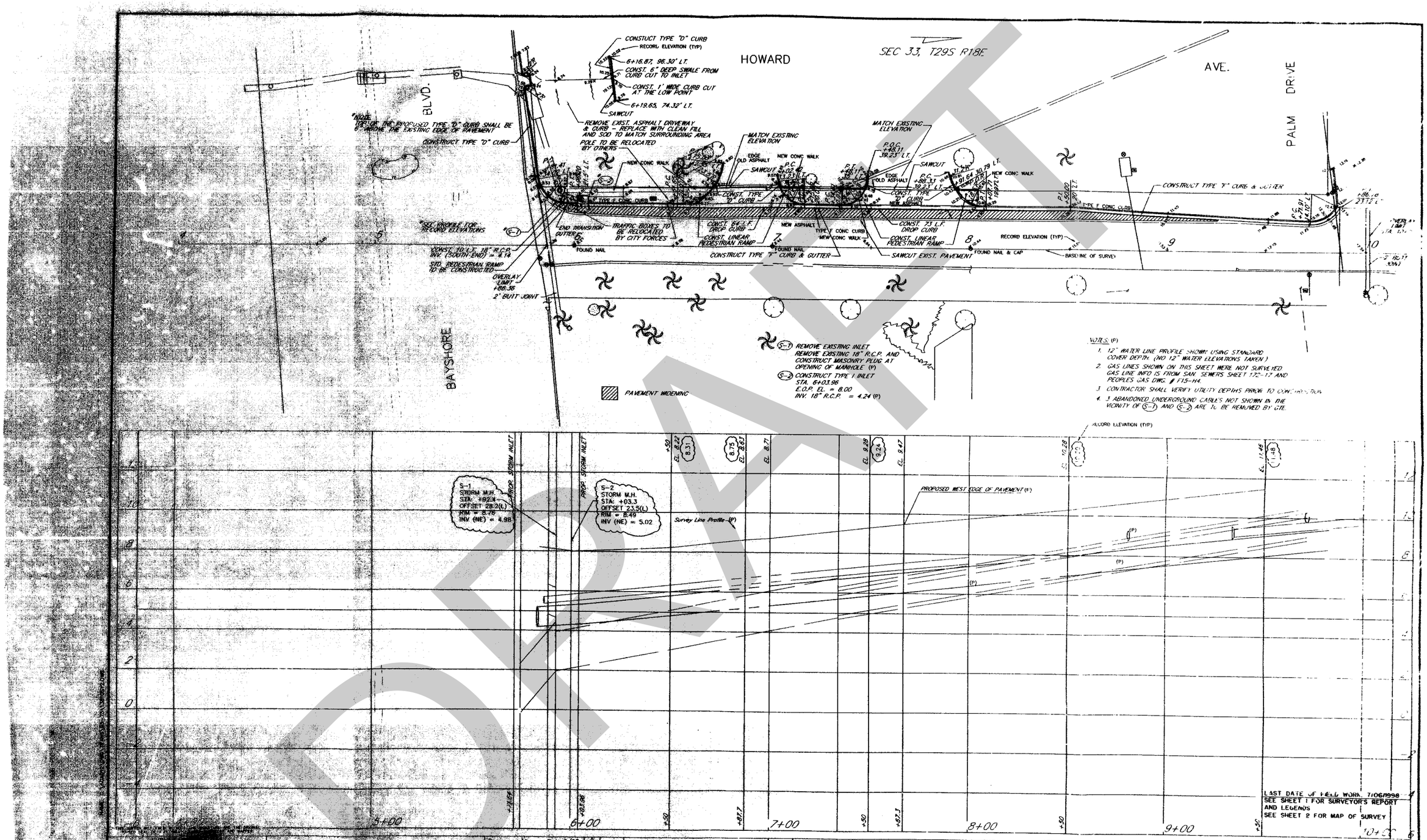
Drawn: tg	Date: 6/95					
Designed:	Date:					
Checked:	Date:					
Reviewed:	Date:					
Approved:	Date:					
Approved:	Date:	No.	Date:	Revision:	By:	

RECORD SURVEY
CITY OF TAMPA
DEPARTMENT OF PUBLIC WORKS
TRANSPORTATION DIVISION

HOWARD AVE. & BAYSHORE BLVD.
INTERSECTION IMPROVEMENTS

Field Book: PW95-73 PW 565-94
Atlas Sheet: J-11
File No.: PW95-73 Index No.:
Job No.: 4838 / 158.10
Scale: N.A.
SHEET 1 OF 2

45
15



FLORIDA DESIGN CONSULTANTS, INC.

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Approved:	Date:				
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RECORD SURVEY
CITY OF TAMPA
DEPARTMENT OF PUBLIC WORKS
TRANSPORTATION DIVISION

HOWARD AVE. & BAYSHORE BLVD
INTERSECTION IMPROVEMENTS

Field Book	95-9, 89-25 TDC 508/54-61
Atlas Sheet	J-11
File No.	FW95-73
Job No.	4830 138 10
Scale	1"=20' 0" Hw 1"=2' Vw
SHEET	2 OF 2

Index No.

DRAFT

Scale: 1" = 20'

SEC 26 T29S R18E

HOWARD AVE.

PALM DRIVE BLVD.

BAYSHORE BLVD.

5' High, 0.7' Wide Conc. Wall

CONSTUCT TYPE "D" CURB

6+18.87, 96.30' LT.

CONST. 6" DEEP SWALE FROM CURB CUT TO INLET

CONST. 1' WIDE CURB CUT AT THE LOW POINT

6+18.65, 74.32' LT.

SAWCUT

REMOVE EXIST. ASPHALT DRIVEWAY & CURB — DISPOSE WITH DEBRIS, FILL AND SOD TO MATCH SURROUNDING AREA

*NOTE: THE TOP OF THE PROPOSED TYPE "D" CURB SHALL BE 9" ABOVE THE EXISTING EDGE OF PAVEMENT

CONSTRUCT TYPE "D" CURB

POLE TO BE RELOCATED BY OTHERS

MATCH EXISTING ELEVATION

MATCH EXISTING ELEVATION

CONSTRUCT TYPE "F" CURB & GUTTER

CONSTRUCT TYPE "F" CURB & GUTTER

SAWCUT EXIST. PAVEMENT

CONST. 63 L.F. CROP CURB

CONST. LINEAR PEDESTRIAN RAMP

CONST. 73 L.F. CROP CURB

CONST. LINEAR PEDESTRIAN RAMP

*SEE NOTE NO. 4

CONST. 10 L.F. 18" R.C.P. INV. (SOUTH END) = 4.14

STD. PEDESTRIAN RAMP TO BE CONSTRUCTED

OVERLAY LIMIT +86.36 2' BUTT JOINT

2" BUTT JOINT

OVERLAY LIMIT STA. 10+02

TRAFFIC BOXES TO BE RELOCATED BY CITY FORCES

2" Mill & Overlay

Asphalt Pavement

Concrete Curb

Granite Curb

Grass

Sprinklers in Area

Conc. S/W

Conc. Curb

Drop Curb

Conc. Apron

Metal Ornamental Fence

8'±5'Ht. Conc. Block Wall

10 Story Conc. Block

Pool & Patio

Planted Area

Sprinklers

Conc. Curb

Asphalt Pvmt.

Water Vault

18" Holly

18" Oak

Pull Box

Traffic Box

Traffic Control Box

Overhead F.M. Drop Access

Light Pole

Sign

Mail Box

Flower Bed

Tree

Shrub

Bench

Trash Can

Fire Hydrant

Water Meter

Gas Valve

Gas Meter

Power Pole

Guy Wire

Electric Box

Telephone Pedestal

Cable TV Pedestal

Electric Manhole

Telephone Manhole

Cable TV Manhole

Sanitary Manhole

Storm Manhole

Water Manhole

Gas Manhole

Unknown Manhole

Mail Box

Flower Bed

Tree

Shrub

Bench

Trash Can

Fire Hydrant

Water Meter

Gas Valve

Gas Meter

Power Pole

Guy Wire

Electric Box

Telephone Pedestal

Cable TV Pedestal

Electric Manhole

Telephone Manhole

Cable TV Manhole

Sanitary Manhole

Storm Manhole

Water Manhole

Gas Manhole

Unknown Manhole

PAVEMENT WIDENING

(S-1) REMOVE EXISTING INLET
REMOVE EXISTING 18" R.C.P. AND CONSTRUCT MASONRY PLUG AT OPENING OF MANHOLE

(S-2) CONSTRUCT TYPE I INLET
STA. 6+03.98
E.O.P. EL. = 8.01
INV. 18" R.C.P. = 4.24

NOTES:

1. 12" WATER LINE PROFILE SHOWN USING STANDARD COVER DEPTH. (NO 12" WATER ELEVATIONS TAKEN.)
2. GAS LINES SHOWN ON THIS SHEET WERE NOT SURVEYED. GAS LINE INFO IS FROM SAN. SEWERS SHEET 172-17 AND PEOPLES GAS DWG. # F15-H4.
3. CONTRACTOR SHALL VERIFY UTILITY DEPTHS PRIOR TO CONSTRUCTION.
4. 3 ABANDONED UNDERGROUND CABLES NOT SHOWN IN THE VICINITY OF (S-1) AND (S-2) ARE TO BE REMOVED BY GTE.

S-1
STORM M.H.
STA: +92.1
OFFSET 28.2 (L)
RIM = 8.76
INV. (NE) = 4.98

S-2
STORM M.H.
STA: +03.3
OFFSET 23.5 (L)
RIM = 8.49
INV. (NE) = 5.02

PROP. STORM INLET

Storm Inlet

Storm M.H.

Survey Line Profile

PROPOSED WEST EDGE OF PAVEMENT

15" R.C.P. with 12" Plastic Liner

4" Abandoned Gas

12" Water

6" Water

4" Gas (Unsurveyed)

6" (E)

48" San.

48" San. F.M.

4+00 5+00 6+00 7+00 8+00 9+00 10+00

+71.64 +03.98 +80 +87.7 +80 +57.3 +80

EL. 8.01 EL. 8.75 EL. 8.71 EL. 8.49 EL. 8.47

Ft. 10.68 (22.2) Ft. 11.48 (22.2)

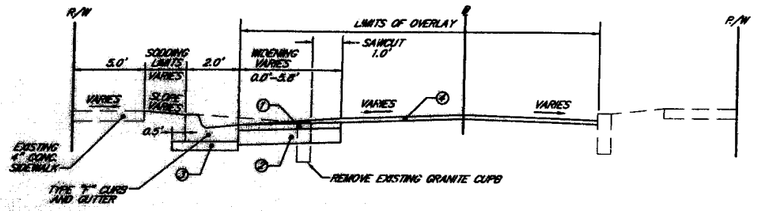
12 10 8 6 4 2 0 -2 -4 -6

NAME: G:\ACAD\TDOT\DWGS\95-73\95-73P.DWG DATE: JAN 08, 1998 TIME: 3:52 PM

Drawn: tg	Date: 6/95	12/98	As-Built Information		F.J.	CITY OF TAMPA DEPARTMENT OF PUBLIC WORKS TRANSPORTATION DIVISION	HOWARD AVE. & BAYSHORE BLVD. INTERSECTION IMPROVEMENTS
Designed:	Date: 1-96						
Checked:	Date: 1-96						
Reviewed:	Date: 1-96						
Approved:	Date: 1-98						
Approved:	Date:	No:	Date:	Revision:	By:		

Field Book 95-9, 89-25
Atlas Sheet J-11
File No. PW95-73 Index No.
Job No. 4839
Scale: 1"=20'-0" Hor. 1"=5' Ver.
SHEET 1 OF 2

DRAFT



PAVEMENT WIDENING

① 2.5" TYPE S-I ASPHALT (STRUCTURAL COURSE)
② 6.5" ABC-III ASPHALT (BASE COURSE)
③ 4" ABC-III ASPHALT (CURB PAD)

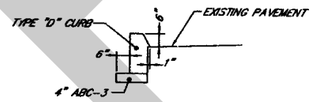
OVERLAY OF EXISTING ROADWAY

④ RESURFACE WITH 3/4" TYPE S-3 ASPHALT

NOTE:
AREAS OF THE EXISTING ROADWAY THAT EXHIBIT DELAMINATION SHALL BE LEVELED WITH S-3 ASPHALT TO MATCH SURROUNDING ROADWAY ELEVATION BEFORE OVERLAY.

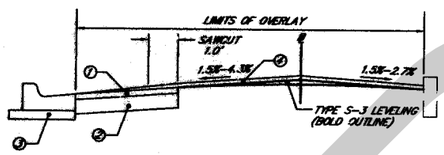
PAVEMENT WIDENING TYPICAL SECTION
HOWARD AVENUE
STA. 5+89.5 TO STA. 9+26.0

N.T.S.



TYPICAL SECTION
BAYSHORE BLVD.

N.T.S.



PAVEMENT WIDENING

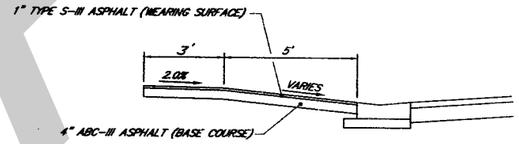
① 2.5" TYPE S-I ASPHALT (STRUCTURAL COURSE)
② 6.5" ABC-III ASPHALT (BASE COURSE)
③ 4" ABC-III ASPHALT (CURB PAD)

OVERLAY OF EXISTING ROADWAY

④ RESURFACE WITH 3/4" TYPE S-3 ASPHALT

OVERBUILD TYPICAL SECTION
HOWARD AVENUE
STA. 6+01.9 TO STA. 7+50

N.T.S.



TYPICAL DRIVEWAY SECTION

N.T.S.

TYPICAL CROSS-SECTIONS

			Drawn:	Date:				CITY OF TAMPA DEPARTMENT OF PUBLIC WORKS TRANSPORTATION DIVISION	HOWARD AVE. & BAYSHORE AVE. INTERSECTION IMPROVEMENTS	Field Book: Atlas Sheet: File No. PW96-54 Index No Job No. 4819 Scale: N/A SHEET 4 OF 9
			Designed:	Date: 1-98						
			Checked:	Date: 1-98						
			Reviewed:	Date: 1-98						
			Approved:	Date: 1-98						
			Approved:	Date:	No:	Date:	Revision:	By:		

DRAFT

...\DWG\PW96-54\PW96-54-TYP.DWG DATE: JAN 06, 1998 TIME: 11:05 AM



THE UTILITIES IN THE CROSS SECTIONS ARE SHOWN FROM THE BEST INFORMATION AVAILABLE AT THE TIME OF PLAN PREPARATION. GRAVITY FLOW SANITARY SEWER PIPE AND STORMWATER PIPE INVERTS ARE CALCULATED USING INVERTS TAKEN FROM FIELD SURVEY. WATER LINES, SANITARY SEWER FORCE MAINS, OTHER PRESSURE LINES SUCH AS GAS MAINS, AND FACILITIES SUCH AS LOWER, TELEPHONE, OR CABLE TV CONDUIT MAY BE SHOWN IN AN APPROXIMATE LOCATION ONLY. THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING THE LOCATION OF ALL UTILITIES PRIOR TO EXCAVATION. CARE SHOULD BE EXERCISED AT ALL TIMES DURING CONSTRUCTION IN THE VICINITY OF THESE FACILITIES.

END AREAS		VOLUME	
Sq. Ft		Cu. Yds.	
Cut	Fill	Cut	Fill

SCALE: 1" = 5' Hor.
1" = 2' Ver.

Drawn: L.Z.H.	Date: 11/96				
Designed: J.L.C.	Date: 11/96				
Checked:	Date: 1-98				
Reviewed:	Date: 1-98				
Approved:	Date: 1-98				
Approved:	Date:	No:	Date:	Revision:	By:

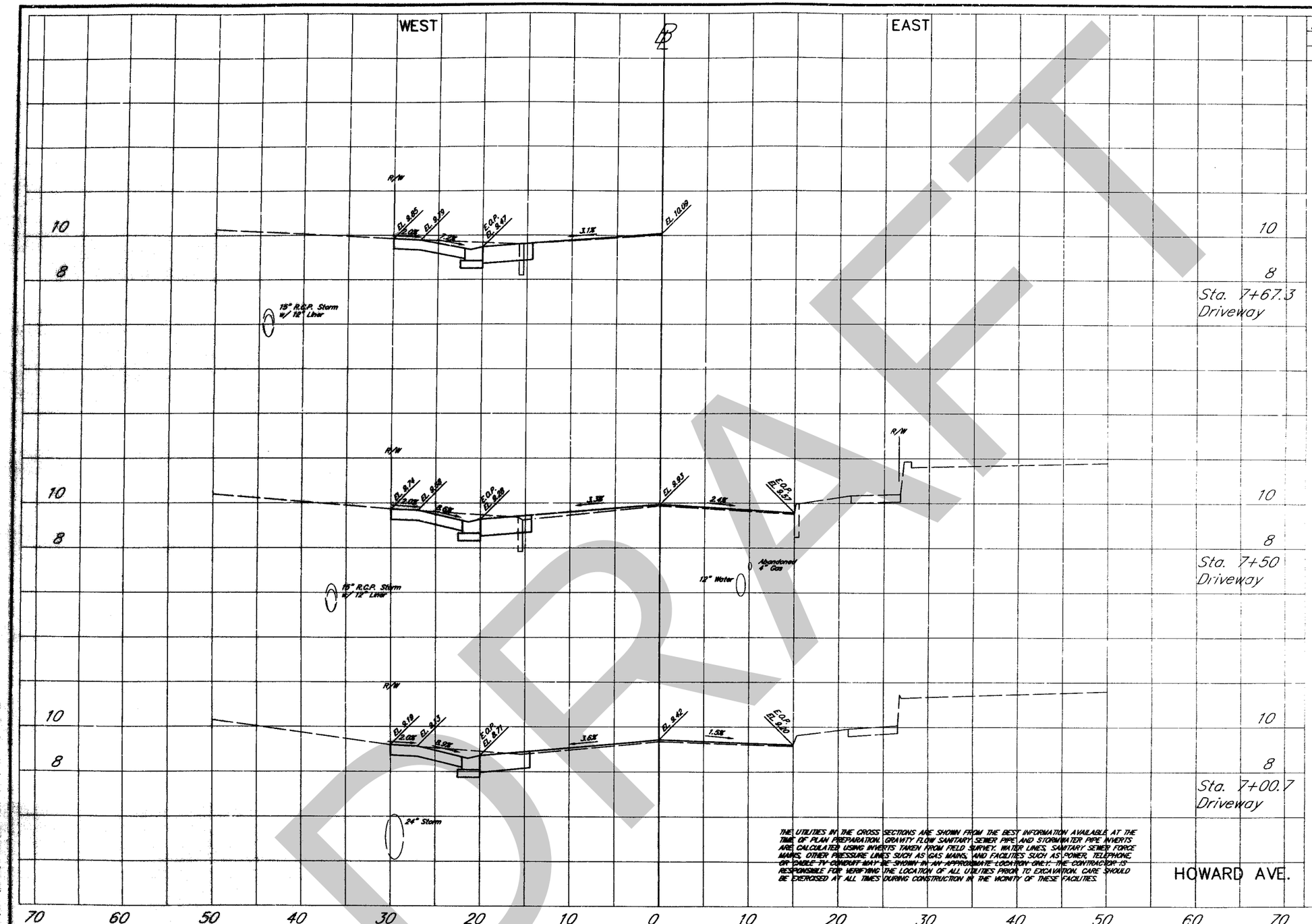
CITY OF TAMPA
DEPARTMENT OF PUBLIC WORKS
TRANSPORTATION DIVISION

HOWARD AVE. & BAYSHORE BLVD.
INTERSECTION IMPROVEMENTS

Field Book: 95-9, 89-25
Atlas Sheet: J-1
File No. PW95-73 Index No.
Job No. 4839
Scale: 1" = 5' Hor., 2' Ver.
SHEET 5 OF 9

DRAFT

NAME: C:\ACAD12\DWG\TRANS\95-73\95-73XA.DWG DATE: JAN 08, 1998 TIME: 3:35 PM



END AREAS Sq. Ft		VOLUME Cu. Yds.	
Cut	Fill	Cut	Fill

Sta. 7+67.3
Driveway

Sta. 7+50
Driveway

Sta. 7+00.7
Driveway

THE UTILITIES IN THE CROSS SECTIONS ARE SHOWN FROM THE BEST INFORMATION AVAILABLE AT THE TIME OF PLAN PREPARATION. GRAVITY FLOW SANITARY SEWER PIPE AND STORMWATER PIPE INVERTS ARE CALCULATED USING INVERTS TAKEN FROM FIELD SURVEY. WATER LINES, SANITARY SEWER FORCE MAINS, OTHER PRESSURE LINES SUCH AS GAS MAINS, AND FACILITIES SUCH AS POWER, TELEPHONE, OR CABLE TV CONDUIT MAY BE SHOWN IN AN APPROXIMATE LOCATION ONLY. THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING THE LOCATION OF ALL UTILITIES PRIOR TO EXCAVATION. CARE SHOULD BE EXERCISED AT ALL TIMES DURING CONSTRUCTION IN THE VICINITY OF THESE FACILITIES.

HOWARD AVE.

SCALE: 1" = 5' Hor.
1" = 2' Ver.

NAME: C:\MICRO\PWS\DRAWINGS\95-73\VS-73SHEETS DATE: JAN 08, 1998 TIME: 3:35 PM

Drawn:	L.Z.H.	Date:	11/96
Designed:		Date:	11/96
Checked:		Date:	/-98
Reviewed:		Date:	/-98
Approved:		Date:	/-98
Approved:		Date:	

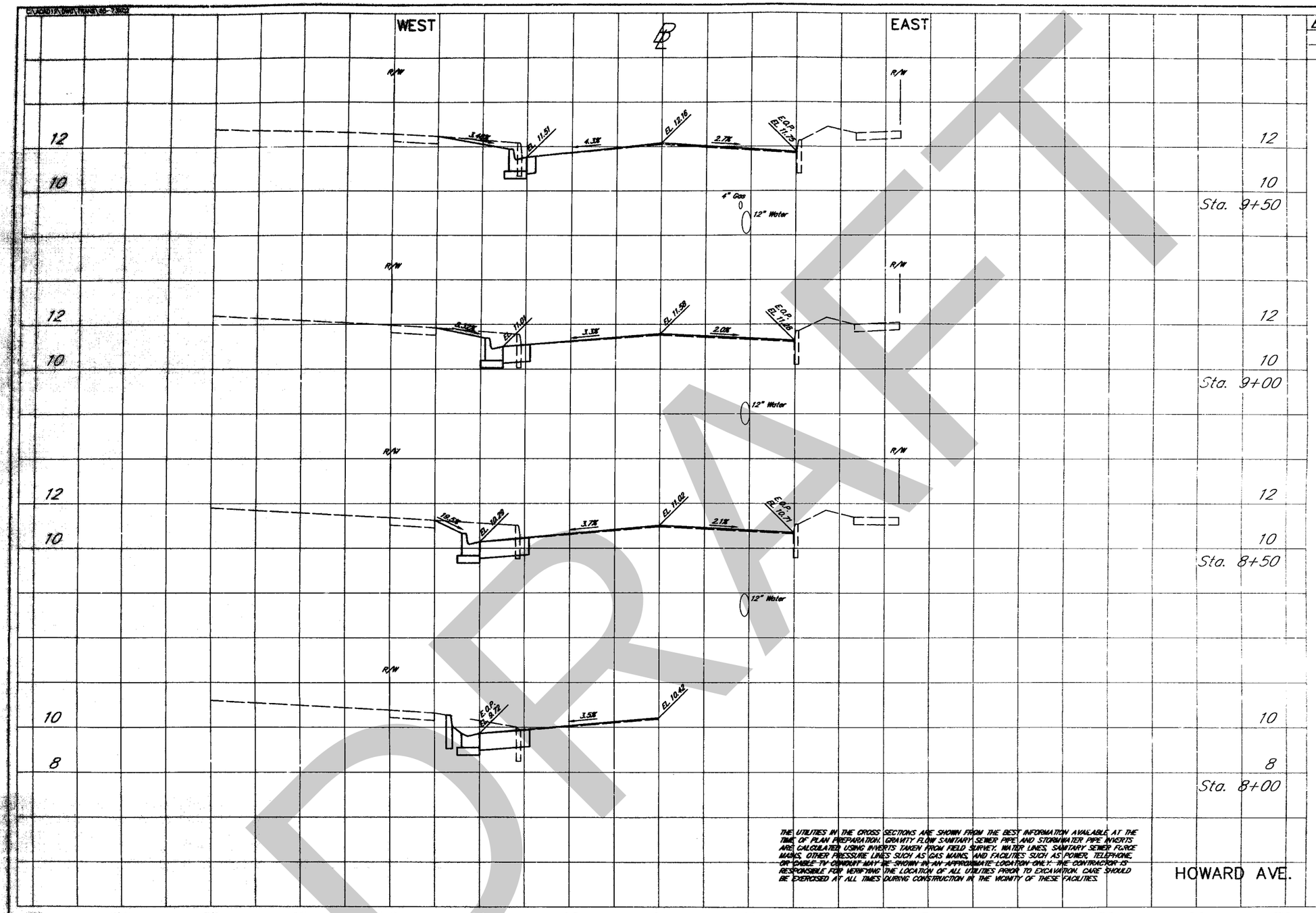
No:	Date:	Revision:	By:

CITY OF TAMPA
DEPARTMENT OF PUBLIC WORKS
TRANSPORTATION DIVISION

HOWARD AVE. & BAYSHORE BLVD.
INTERSECTION IMPROVEMENTS

Field Book:	95-9, 89-25
Atlas Sheet:	J-11
File No.	PW95-73
Index No	
Job No.	4839
Scale:	1"= 5' Hor., 1" Ver.
SHEET	6 OF 9

DRAFT



END AREAS		VOLUME	
Sq. Ft		Cu. Yds.	
Cut	Fill	Cut	Fill

THE UTILITIES IN THE CROSS SECTIONS ARE SHOWN FROM THE BEST INFORMATION AVAILABLE AT THE TIME OF PLAN PREPARATION. GRAVITY FLOW SANITARY SEWER PIPE AND STORMWATER PIPE INVERTS ARE CALCULATED USING INVERTS TAKEN FROM FIELD SURVEY. WATER LINES, SANITARY SEWER FORCE MAINS, OTHER PRESSURE LINES SUCH AS GAS MAINS, AND FACILITIES SUCH AS POWER, TELEPHONE, OR CABLE TV CONDUIT MAY BE SHOWN IN AN APPROXIMATE LOCATION ONLY. THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING THE LOCATION OF ALL UTILITIES PRIOR TO EXCAVATION. CARE SHOULD BE EXERCISED AT ALL TIMES DURING CONSTRUCTION IN THE VICINITY OF THESE FACILITIES.

HOWARD AVE.

SCALE: 1" = 5' Hor.
1" = 2' Ver.

DRAFT

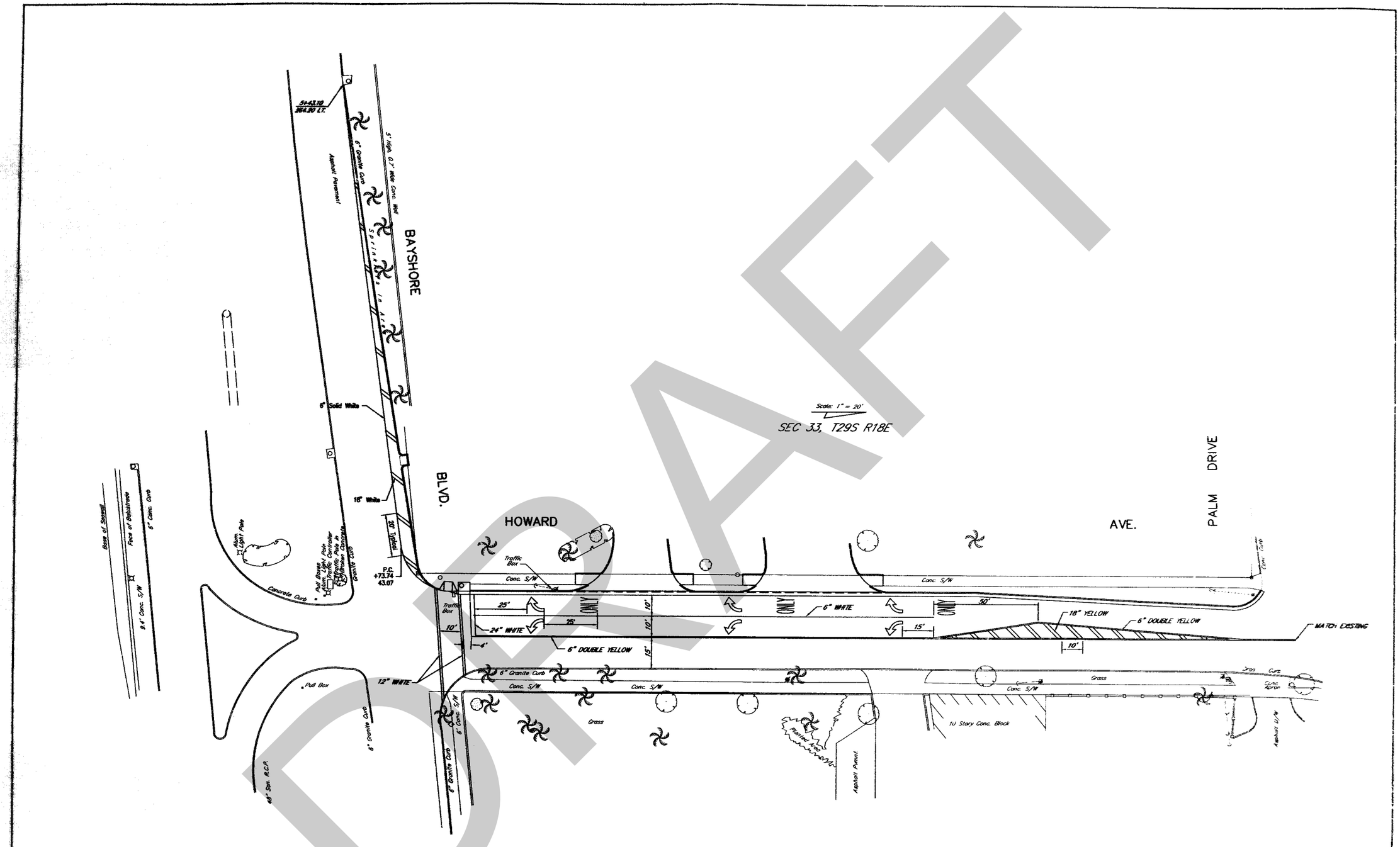
Drawn: L.Z.H. Date: 11/95			
Designed: J.L.C. Date: 11/95			
Checked: Date: 1-98			
Reviewed: Date: 1-98			
Approved: Date: 1-98			
Approved: Date:	No:	Date:	Revision: By:

CITY OF TAMPA
DEPARTMENT OF PUBLIC WORKS
TRANSPORTATION DIVISION

HOWARD AVE. & BAYSHORE BLVD.
INTERSECTION IMPROVEMENTS

Field Book:	95-9, 89-25
Atlas Sheet:	J-11
File No.	PW95-73
Index No	
Job No.	4839
Scale: 1"= 5' Hor., 2' Ver.	
SHEET 7 OF 9	

DRAFT

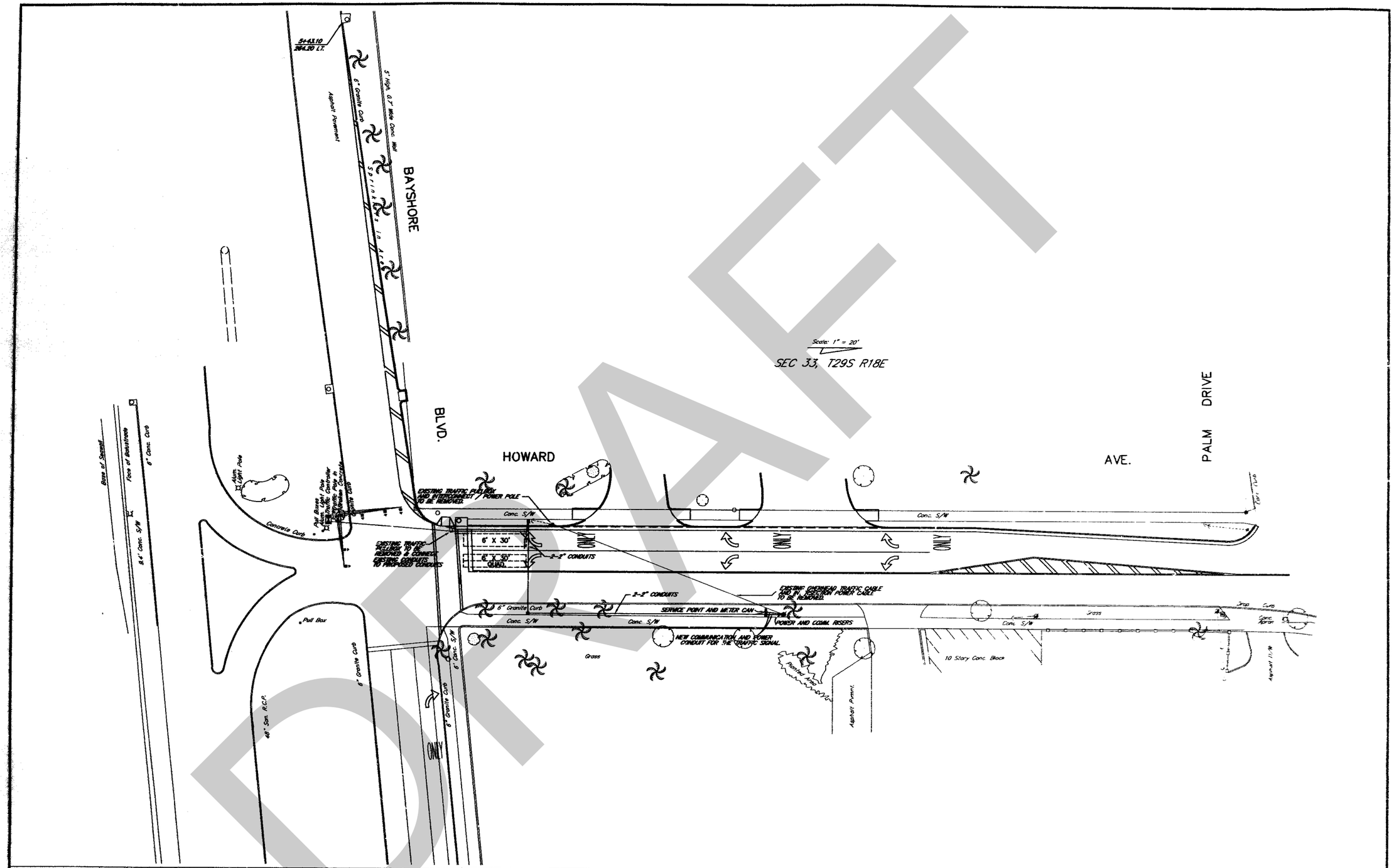


Drawn: tg.	Date: 6/95						
Designed:	Date: 1-98						
Checked:	Date: 1-98						
Reviewed:	Date: 1/27						
Approved:	Date: 1/30						
Approved:	Date:	No:	Date:	Revision:	By:		

CITY OF TAMPA
DEPARTMENT OF PUBLIC WORKS
TRANSPORTATION DIVISION

HOWARD AVE. & BAYSHORE BLVD. INTERSECTION IMPROVEMENTS

Field Book 95-9, 89-25
Atlas Sheet
File No. PW95-73 Index No.
Job No. 4839
Scale 1" = 20'
SHEET 8 OF 9



DRAFT

Drawn: tg.	Date: 5/95	△	2/98	Revise power & comm. conduit runs.	GRS
Designed: [illegible]	Date: 3/96	△		Revise traffic loop pullbox location.	
Checked:	Date:	△			
Reviewed: [illegible]	Date: 3/95	△			
Approved: [illegible]	Date: 3/95	△			
Approved:	Date:	No:	Date:	Revision:	By:

CITY OF TAMPA
DEPARTMENT OF PUBLIC WORKS
TRANSPORTATION DIVISION

HOWARD AVE. & BAYSHORE BLVD.
INTERSECTION IMPROVEMENTS

Field Book 95-9 PG-25
Atlas Sheet J-11
File No. PW95-73 Index No.
Job No. 4839
Scale 1"=20'
SHEET 9 OF 9

Q.21 Palma Ceia Drainage Improvements (Parkland Blvd)

DRAFT

NAME: C:\ACAD\DWG\STORM\96-25A02.DWG DATE: JUN 18, 1997 TIME: 9:34 AM

NOTE: FOR SAN. SEWER HOUSE LATERAL, LEFT STA. 13+40± TO STA. 17+00, CONNECT TO NEW SAN. SEWER MAIN N. SIDE OF PARKLAND.

Sec.27-T29S-R18E

STA. 11+00 — MATCH LINE — STA. 17+00

PARKLAND — STA. 12+04.92 — BLVD.

STA. 12+04.92 R/D L.T. 48.79
CONST. 600 L.F. OF TYPE "F" CURB & GUTTER
CONST. 230' OF 48"x76" E.R.C.P.
SAN.C.O. # 2615 (+162')
CONST. 600 L.F. OF TYPE "F" CURB & GUTTER
CONST. 136 L.F. OF 8" P.V.C.P. @ 0.30%
CONST. SPEED HUMP PER DETAIL
SAN.C.O. # 2614 (+191') STA. 12+24.04 RT. 22.26
CONST. 179 L.F. OF 8" P.V.C.P. @ 0.30%
SAN.C.O. # 2612 (+50') STA. 12+83.34 RT. 22.38
CONST. TYPE "A" CURB & GUTTER (MEDIAN)
SAN.C.O. # 2612 (+96') STA. 13+43.10 RT. 22.42
CONST. 40' OF 15" P.V.C.P.
CONST. 7' OF 15" P.V.C.P.
STA. 13+40.36 L.T. 48.28
SAN.C.O. # 2613 (+200')
CENTER 20' OF 8" AWWA (GREEN) CL. 150, C900 P.V.C.P. UNDER CROSSING
CONST. 184' OF 48"x76" E.R.C.P.
STA. 14+12.79 L.T. 41.99
SAN.C.O. # 2611 (+127')
CONST. 200' OF 8" P.V.C.P.
SAN.C.O. # 2610 (+165') STA. 14+01.09 RT. 15.68
CONST. TYPE "A" CURB & GUTTER (MEDIAN)
CONST. 32' OF 15" P.V.C.P. (SDR26)
ROOT PRUNE (TYPICAL)
CENTER 20' OF 8" AWWA (GREEN) CL. 150, C900 P.V.C.P. UNDER CROSSING
CONST. 7' OF 12" P.V.C.P. AWWA CL.150, C900 @ 3%
STA. 15+51.80 L.T. 48.27
STA. 15+29.20 L.T. 42.47
SAN.C.O. #2609 (+10') SAN.C.O. #2607 (+29')
CONST. 178' OF 48"x76" E.R.C.P.
CONST. 140' OF 8" P.V.C.P.
REMOVE EXIST. INLET
REMOVE EXIST. M.H. AND PIPE TO STA. 16+60
STA. 16+84.83 L.T. 42.39
SAN.C.O. #2603 (+163')
SAN.C.O. #2522 (+258')
STA. 16+68.43 RT. 16.50
CONST. TYPE "A" CURB & GUTTER (MEDIAN)
CONST. 40 L.F. OF 8" P.V.C.P. @ 0.40%

12" R.C.P. — 42" R.C.P. — 18" Palm — 4" Tree — 10" Tree — 6" Water — 8" San. — Storm M.H. — San. M.H. — 12" R.C.P. (REMOVE)

SS-111 CONST. SAN. M.H. STA. 12+36, ℄ TOP EL.= 18.50± N. RIM EL. = 18.63 E. INV. EL. = 13.52 W. INV. EL. = 13.50

ST-24 CONST. M.H. TYPE J-7" (9'x4') STA. 13+32, 23' LT. TOP EL.= 18.05± N. RIM EL. = 18.13 N. INV. EL. = 13.83 N.E. INV. EL.= 10.81 S.W. INV. EL. = 10.81 S.E. INV. EL. = 14.68

ST-25 CONST. INLET F.D.O.T. TYPE "9" STA. 13+32, 33.0' LT. FL. EL. = 17.81✓ INVERT = 14.43 ✓

ST-26 CONST. INLET F.D.O.T. TYPE "9" STA. 13+60, 7.6' RT. FL. EL. = 17.87✓ INVERT = 15.21

ST-27 CONST. M.H. TYPE J-7" (9'x4') STA. 15+20, 23' LT. TOP EL.= 18.02± N. RIM EL. = 18.12 N. INV. EL. = 14.23 N.E. & S.W. INV. EL. = 10.99 S. INV. EL. = 13.84

ST-28 CONST. INLET F.D.O.T. TYPE "9" STA. 15+20, 33.5' LT. FL. EL. = (17.27) 17.81 INVERT = (14.40) 14.12

ST-29 CONST. INLET F.D.O.T. TYPE "9" STA. 15+30, 7.6' RT. FL. EL. = 17.74✓ INVERT = 14.32

SS-115 CONST. SAN. M.H. STA. 15+40, 30.4' LT. TOP EL. = 17.93± ✓ E. INV. EL. = 12.90 W. INV. EL. = 12.82

SS-114 CONST. SAN. M.H. STA. 13+40, 30.4' LT. TOP EL. = 18.00± E. INV. EL. = 13.73

SS-112 CONST. SAN. M.H. STA. 14+15, ℄ TOP EL.= 18.28± ✓ W. INV. EL. = 14.06

SS-113 CONST. SAN. M.H. STA. 16+60, ℄ TOP EL.= 17.55± ✓ E. INV. EL. = 12.89

SS-111 SAN. M.H. — SS-114 SAN. M.H. — SS-115 SAN. M.H. — SS-112 SAN. M.H. — SS-113 SAN. M.H.

Storm M.H. — Storm Inlet — SAN. M.H. — STORM INLET

W.B.L. ℄ EL. 18.59 (W.B.L.) ℄ EL. 18.77 (E.B.L.) — W.B.L. ℄ EL. 18.41 (W.B.L.) ℄ EL. 18.37 (E.B.L.) — W.B.L. ℄ EL. 17.73 (W.B.L.) ℄ EL. 17.43 (E.B.L.) ℄ EL. 17.70 (E.B.L.)

SLOPE VARIES, P.G. ℄ TRANSITION TO MATCH ℄ INTERSECTION — P.G. ℄ (BOTH LANES) @-0.30% — Exist. ℄ Pavement West Bound Land — P.G. ℄ (E.B.L.) @-0.31% — P.G. ℄ (W.B.L.) @-0.45%

San. H.C. (N.) — 6" Water — 8" San. — 10" R.C.P. — 12" R.C.P. (at inlet) — 12" R.C.P. (at M.H.)

15" P.V.C.P. (S.E.) — 15" P.V.C.P. (N.) — 12" P.V.C.P. (N.) — 8" P.V.C.P. SAN. @ 0.4% — 8" P.V.C.P. SAN. @ 0.3% — 8" P.V.C.P. SAN. @ 0.40%

48"x76" E.R.C.P. @ 0.056% — 42" R.C.P. — INV.=13.09 — INV.=12.75 — INV.=12.45

CONST. 136 L.F. OF 8" P.V.C.P. @ 0.30%
CONST. 179 L.F. OF 8" P.V.C.P. @ 0.30%
CENTER 20' OF 8" AWWA (GREEN) CL. 150, C900 P.V.C.P. UNDER CROSSING
CONST. 40 L.F. OF 8" P.V.C.P. @ 0.40%

+30 8" P.V.C.P. (N) =13.50✓ 8" P.V.C.P. (E) =13.52✓ — +32 8" P.V.C.P. INV.= 14.43 — +31.84 (INV. = 14.43) — +32 48"x76" E.R.C.P. (SW.NE) =10.81 INV. 15" P.V.C.P.(N) =13.83 INV. 15" P.V.C.P.(SE) =14.70✓ — +40 8" P.V.C.P.=13.75 (N.B.L.)✓ — +80 15" P.V.C.P.=15.20✓ — +15 8" P.V.C.P.=14.06✓ — +30 48"x76" E.R.C.P. (SW.NE) =12.38✓ 15" P.V.C.P.(N) =13.64 — +25 15" P.V.C.P. =14.30✓ — +80 8" P.V.C.P. (E) =12.93✓ 8" P.V.C.P. (N) =12.85✓ — +80 8" P.V.C.P. (E) =12.91✓

AS-BUILT
REVIEWED BY _____ DATE _____

11+00 — 12+00 — 13+00 — 14+00 — 15+00 — 16+00 — 17+00

APPROVED BY
RALPH L. METCALF II, P.E.
DIRECTOR
DEPARTMENT OF SANITARY SEWERS

APPROVED BY
HENRY DORZBACK, PE # 39449
CHIEF ENGINEER
DEPARTMENT OF SANITARY SEWERS

Drawn: C. Rohde	Date: 5-96	4/14/01	As-built - H.C. only - R.S		
Designed:	Date:				
Checked:	Date:	8/17/97	Added Prop. San.	W.H.	CR
Reviewed:	Date:	8/12/97	Revised Offset	W.H.	CR
Approved:	Date:	8/12/97	Revised Note	W.H.	CR
Approved:	Date:	No: Date:	Revision:	By:	

CITY OF TAMPA
DEPARTMENT OF SANITARY SEWERS
STORMWATER DIVISION

PALMA CEIA DRAINAGE IMPROVEMENTS
(PARKLAND BOULEVARD)

Field Book:	1980-19
Atlas Sheet:	J-10
File No.	PW96-25
Job No.	5617
Scale:	1"=20'Hor., 2'Ver.
Sheet	12 OF 17
Index No.	

316-48

10/12

NAME: C:\ACAD\DWG\STORM\96-25A03.DWG DATE: DEC 05, 1997 TIME: 8:35 AM

PALMA CEIA DRAINAGE IMPROVEMENTS
(PARKLAND BOULEVARD)

CITY OF TAMPA
DEPARTMENT OF SANITARY SEWERS
STORMWATER DIVISION

APPROVED BY

RALPH L. METCALF II, P.E.
DIRECTOR
DEPARTMENT OF SANITARY SEWERS

APPROVED BY

HENRY DORZBACK, PE # 39449
CHIEF ENGINEER
DEPARTMENT OF SANITARY SEWERS

Drawn: C. Rohde	Date: 4-96		
Designed:	Date:		
Checked:	Date:		
Reviewed:	Date:		
Approved:	Date:	6/18/97	Added Storm Note — J.S.W.
Approved:	Date:	6/18/97	Added and revised San. Notes — J.S.W.
		4/9/01	As-built - H.C. only. RS

No:	Date:	Revision:	By:

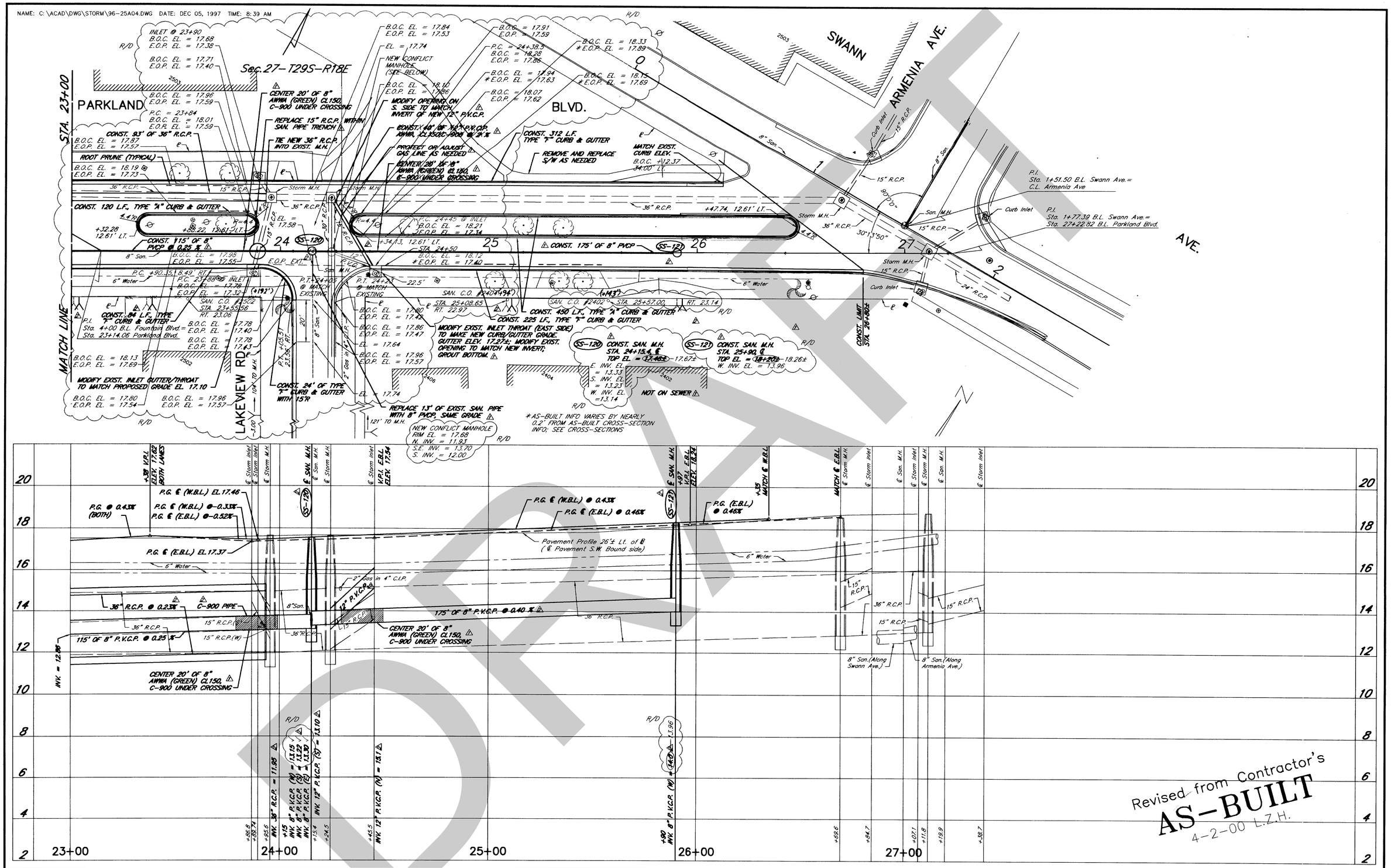
Field Book:	1980-19
Atlas Sheet:	J-10
File No.	PW96-25
Job No.	5617
Scale:	1"=20'Hor., 2'Ver.
SHEET	13 OF 17

Index No.

Revised from Contractor's AS-BUILT 3-9-00 L.Z.H.

316-49

NAME: C:\ACAD\DWG\STORM\96-25A04.DWG DATE: DEC 05, 1997 TIME: 8:39 AM



Revised from Contractor's
AS-BUILT
4-2-00 L.Z.H.

APPROVED BY RALPH L. METCALF II, P.E. DIRECTOR DEPARTMENT OF SANITARY SEWERS	APPROVED BY HENRY DORZBACK, PE # 39449 CHIEF ENGINEER DEPARTMENT OF SANITARY SEWERS	Drawn: C. Rohde Date: 5-96 Designed: Date: Checked: Date: Reviewed: Date: Approved: Date: Approved: Date:	4/4/01 As-built - H.C. only. R.S. 6/17/97 ADDED PROPOSED SAN. L.Z.H. 6/17/97 REVISED/ADDED NOTE L.Z.H. No: Date: Revision: By:	CITY OF TAMPA DEPARTMENT OF SANITARY SEWERS STORMWATER DIVISION	PALMA CEIA DRAINAGE IMPROVEMENTS (PARKLAND BOULEVARD)	Field Book: 1980-19 Atlas Sheet: J-10 File No. PW96-25 Index No. Job No. 5617 Scale: 1"=20'Hor., 2'Ver. SHEET 14 OF 17

316-50

Q.22 Swann Avenue, Parkland Blvd and Armenia Ave Intersection Improvements

DRAFT

CITY OF TAMPA

PAVEMENT IMPROVEMENTS

SWANN AVENUE, PARKLAND BLVD. AND ARMENIA AVE. INTERSECTION IMPROVEMENTS

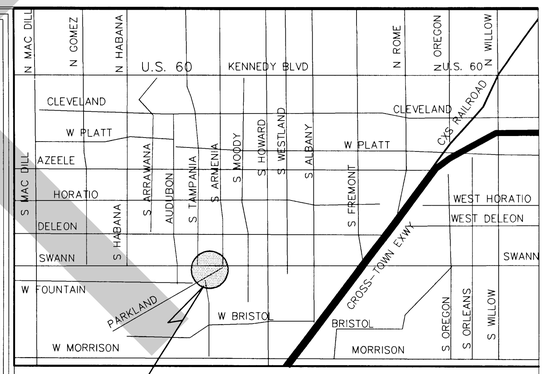
FILE NO. PW6962 JOB NO. 638B

CONTRACT NO. 2000-0489

TRANSPORTATION DIVISION

DEPARTMENT OF PUBLIC WORKS

CITY OF TAMPA, FLORIDA



VICINITY MAP
SCALE; 1"=1000'

INDEX OF DRAWINGS

SHEET NO	DESCRIPTION
1	Index & Vicinity Map
2	General Information
3	Typical Section
4-6	Plan & Profile
7-14	Cross Sections
15	Signing and Pavement Marking Plan
16	Details
S1-S6	Signalization
L1-L3	Landscape & Irrigation

APPLICABLE CITY STANDARD DRAWINGS

XPBV1 Curbs-Gutters , Joint Details
DPW D-13 Miscellaneous Detials

APPLICABLE D.O.T. STANDARD INDEX

102 Temporary Erosion Control
280 Miscellaneous Drainage Details
300 Curb & Curb & Gutter
301 Turn Lanes
304 Curb Cut Ramps
305 Transverse Expansion Joint and Contraction Joint
310 Concrete Sidewalk
515 Turnouts
526 Roadway Transitions
621 Two Lane Two Way • Urban Day or Night Operations
17346 Special Marking Areas
17352 Typical Placement of Reflective Pavement Markers

CUMBEY & FAIR, INC.
CONSULTING CIVIL ENGINEERS
ENGINEERING PLANNING LAND SURVEYS
2463 ENTERPRISE ROAD CLEARWATER 797-8982
CLEARWATER, FLORIDA 33763-1790 TAMPA 223-4333
ENGINEER: BRADLEY S. FORAN, P.E. #52634

APPROVED BY:

JAMES BURNSIDE, P.E.
STREETS ENGINEER
DEPARTMENT OF PUBLIC WORKS

CERTIFICATION

Sheet 1 to 16 Inclusive, Certified By:

NAME: J:\JN\638b\dwg\COVER.DWG

226
007

DRAFT

LEGEND

EXISTING Up to 12"Dia.	EXISTING Over 12"Dia.	PROPOSED Up to 12"Dia.	PROPOSED Over 12"Dia.	TYPE
12" R.C.P.	24" R.C.P.			STORM SEWER
8" V.C.P.	24" V.C.P.			SANITARY SEWER
8" Water	24" Water			WATER
6" Gas	18" Gas			GAS
				POWER (Electric)
				TELEPHONE
3.5 (Depth below grade at ℄) 3.5		3.5	3.5	HOUSE CONNECTION (Sanitary Sewer)
				STORM SEWER MH
				SANITARY SEWER MH
				OTHER MH
V		V		VALVE BOX
M		M		METER
⊗		⊗		VALVE
San. C.O.		San. C.O.		SAN. SEWER CLEAN OUT
				FIRE HYDRANT
				POWER POLE (Electric)
Ø		Ø		TELEPHONE POLE
				COMBINATION POLE (Power & Telephone)
				STREET LIGHT ON POST
				TRAFFIC LIGHT ON POST
P		P		POLICE CALL BOX
				GUY POLE & WIRES
				GUY WIRE
				SHRUBS
10"				CONIFER TREES
6"				PALM TREES
8" Oak				MISC. TREES (Identify)

GENERAL NOTES

1. ALL ELEVATIONS REFER TO THE MEAN SEA LEVEL DATUM OF THE U.S.C. AND G.S. (N.O.S.) YEAR 1929
2. LOCATIONS, ELEVATIONS, AND DIMENSIONS OF THE EXISTING UTILITIES, STRUCTURES, AND OTHER FEATURES ARE SHOWN ACCORDING TO THE BEST INFORMATION AVAILABLE AT THE TIME OF THE PREPARATION OF THESE PLANS BUT DO NOT PURPORT TO BE ABSOLUTELY CORRECT. THE CONTRACTOR SHALL VERIFY THE LOCATIONS, ELEVATIONS, AND DIMENSIONS PRIOR TO CONSTRUCTION.
3. THE CONTRACTOR SHALL CALL SUNSHINE (1-800-432-4770) AT LEAST 48 HOURS PRIOR TO ANY CONSTRUCTION ACTIVITY.
4. WHEN IN CONFLICT, UTILITY POLES, GAS LINES, UNDERGROUND ELECTRIC AND TELEPHONE CABLES WILL BE RELOCATED BY THE RESPECTIVE UTILITY OWNERS AT THEIR OWN EXPENSE AS DIRECTED BY THE ENGINEER.
5. PRIOR TO ANY CONSTRUCTION, THE CONTRACTOR SHALL NOTIFY THE FOLLOWING:

TAMPA ELECTRIC CO. (TECO)	MS. HEATHER VITRANO	AT 228-4393
CITY SANITATION DEPT.	MR. MIKE DAVIS	AT 274-8936
CITY WATER DEPT.	MR. CHRIS BROIN	AT 274-8678
GTE (VERIZON)	ARMANDO HERNANDEZ	AT 664-6047
PEOPLES GAS (TECO)	JACK REEVES	AT 275-9762
ATT (TELEPHONE)	BILL MERCER	AT 230-3995
FIRE DEPT DEPUTY CHIEF - HART (HILLS AREA REG. TRANSIT)	TERRY JONES / LES WEAKLAND	AT 274-7011 / AT 223-6831

6. SPECIAL CARE MUST BE TAKEN TO PROTECT WATER LINES DURING CONSTRUCTION. THE CONTRACTOR SHALL PROVIDE SUPPORTS AS NECESSARY AT NO EXPENSE TO THE CITY.
7. STATIONS AND OFFSETS REFER TO THE SURVEY BASELINE OR TO THE CONSTRUCTION CENTERLINE AS NOTED.
8. STATIONS AND OFFSETS FOR INLETS AND MANHOLES REFER TO THE CENTERPOINT OF THE STRUCTURE. CURB INLETS SHALL BE POSITIONED LONGITUDINALLY ACCORDING TO STATIONING GIVEN AND LATERALLY ACCORDING TO THE APPROPRIATE STANDARD, UNLESS NOTED OTHERWISE. CURB INLET TOP AND THROAT ELEVATIONS SHALL BE BASED ON THE EDGE-OF-PAVEMENT ELEVATION (GIVEN OR CALCULATED) AND THE APPROPRIATE STANDARD. INLET THROAT ELEVATIONS TO BE DETERMINED BY THE CONTRACTOR FROM THE EDGE-OF-PAVEMENT ELEVATION.
9. MANHOLE TOP ELEVATIONS TO BE DETERMINED BY THE CONTRACTOR AS PER PROPOSED STREET GRADES PROVIDED. IF DISTANCE BETWEEN TOP SLAB AND GRADE IS LESS THAN 7", THE CONTRACTOR SHALL PROVIDE INVERTED MANHOLE FRAME AND COVER AT NO ADDITIONAL COST TO THE CITY.
10. ALL CURB RADII, P.I., P.C., AND P.T. REFER TO THE EDGE-OF PAVEMENT UNLESS NOTED OTHERWISE.
11. NO TREES NOR TREE ROOTS SHALL BE REMOVED WITHOUT THE PRIOR APPROVAL OF THE ENGINEER.
12. ALL DISTURBED AREAS SHALL BE SODDED AS DIRECTED BY THE ENGINEER.
13. WHERE CONNECTIONS TO EXISTING WALKS AND DRIVES ARE NOT INDICATED ON THE PLANS, PROPER CONNECTIONS SHALL BE MADE AT THE DIRECTION OF THE ENGINEER.
14. STREET SIGNS, STREET MARKERS, AND R-O-W MARKERS SHALL BE REMOVED AND RELOCATED AS DIRECTED BY THE ENGINEER. NO SEPARATE PAYMENT SHALL BE MADE FOR THESE ACTIVITIES. ANY LOST OR DAMAGED SIGNS OR MARKERS SHALL BE REPLACED BY THE CONTRACTOR AT NO COST TO THE CITY.
15. THE CONTRACTOR SHALL REPLACE EXISTING DRIVEWAYS FROM THE EDGE OF PAVEMENT TO THE R-O-W LINE, WHEREVER AFFECTED BY CONSTRUCTION. MATERIALS SIMILAR TO THE EXISTING SHALL BE USED UNLESS NOTED OTHERWISE OR IN THE CASE OF UNPAVED DRIVEWAYS, A 6" THICK LAYER OF COMPACTED SHELL SHALL BE INSTALLED OR AS SHOWN ON THE PLANS.
16. THE CONTRACTOR IS RESPONSIBLE FOR COMPLIANCE WITH ALL ENVIRONMENTAL RULES AND REGULATIONS OF THE CITY, COUNTY, STATE, TAMPA PORT AUTHORITY, ARMY CORPS OF ENGINEERS, AND ANY OTHER JURISDICTIONAL AGENCIES, AND ALL CONDITIONS SET FORTH IN ENVIRONMENTAL PERMITS.
17. ALL ROP'S AND EROP'S SHALL BE CONSTRUCTED WITHOUT LIFT-HOLES AND SHALL BE CLASS III UNLESS NOTED OTHERWISE IN THE PLANS.
18. EXISTING SANITARY SEWER LATERALS WHICH ARE TO BE EXTENDED SHALL BE CONSTRUCTED TO AND CONNECTED AT THE PROPERTY LINE, WHILE MAINTAINING CONTINOUS SEWER SERVICE. CLEANOUTS (PLASTIC OR CAST IRON) SHALL BE INCLUDED IN THE PRICE OF THE LATERAL EXTENSIONS AND NO SEPARATE PAYMENT SHALL BE MADE.
19. ALL PIPES UP TO 24" DIA. OR EQUAL SHALL HAVE CLASS "C" BEDDING. MAXIMUM TRENCH WIDTH OF THE PIPE BEDDING SHALL BE EQUAL TO THE OUTSIDE DIAMETER OF THE PIPE BARREL PLUS 2 FEET. PIPES OVER 24" DIA. SHALL HAVE CLASS B BEDDING. REFER TO THE DEPARTMENT OF SANITARY SEWERS STANDARD DETAIL. COST OF STANDARD BEDDING SHALL BE INCLUDED IN THE COST FOR PIPES.
20. REMOVAL OF EXISTING PAVEMENT AND BASE MATERIAL, SIDEWALK, CURB, POLES, UNDERGROUND PIPES, STRUCTURES, FOUNDATIONS, AND OTHER MISCELLANEOUS ITEMS SHALL BE INCLUDED IN THE LUMP SUM PRICE FOR CLEARING AND GRUBBING, AND NO SEPARATE PAYMENT SHALL BE MADE UNLESS SEPARATE BID ITEM IS PROVIDED.
21. THE CONTRACTOR SHALL USE ALL SURPLUS FILL APPROVED AS SUITABLE FROM EXCAVATION PRIOR TO SURPLYING FILL FROM OTHER SOURCES. PAYMENT FOR ADDITIONAL FILL WILL BE MADE ONLY FOR FILL SUPPLIED FROM SOURCES OTHER THAN EXCAVATIONS IN THIS CONTRACT. SEE SPECIFICATIONS FOR MATERIALS REQUIREMENTS.
22. EXISTING PAVEMENT SHALL BE SAWCUT AT THE LIMITS OF PAVEMENT RECONSTRUCTION. SAWCUTTING SHALL BE INCLUDED IN THE COST OF THE OTHER VARIOUS CONTRACT ITEMS AND NO SEPARATE PAYMENT SHALL BE MADE.
23. DISPOSAL OF CONSTRUCTION AND DEMOLITION DEBRIS MAY ONLY OCCUR AT OFFSITE DISPOSAL FACILITIES APPROVED BY THE FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION.
24. BALED HAY OR STRAW BARRIERS AND/OR SILT FENCES MEETING FDOT INDEX #102 SHALL BE USED AS DIRECTED BY THE ENGINEER AS NECESSARY FOR SEDIMENT AND EROSION CONTROL DURING CONSTRUCTION. COST OF EROSION CONTROL SHALL BE INCLUDED IN THE COST OF THE OTHER VARIOUS CONTRACT ITEMS AND NO SEPARATE PAYMENT SHALL BE MADE.
25. CURB-AND-GUTTER ENDINGS SHALL CONFORM TO CITY OF TAMPA DPW STANDARD DRAWING P-3.
26. WHERE SANITARY SEWER HOUSE LATERALS ARE NOT SHOWN ON THE PLANS, NO INFORMATION IS AVAILABLE. CONTRACTOR SHALL VERIFY LOCATIONS OF LATERALS PRIOR TO CONSTRUCTION.
27. MAIL BOXES SHALL BE REMOVED AND RELOCATED AS DIRECTED BY THE ENGINEER. NO SEPARATE PAYMENT SHALL BE MADE FOR THIS ACTIVITY. LOST OR DAMAGED MAIL BOXES SHALL BE REPLACED BY THE CONTRACTOR AT NO COST TO THE CITY.
28. ALL DRAINAGE STRUCTURES SHALL HAVE SELECT BEDDING MATERIAL (12" THICK CRUSHED ROCK) UNDER THE STRUCTURE, UNLESS OTHERWISE NOTED ON THE PLAN OR IN THE SPECIFICATION OR INSTRUCTED BY THE ENGINEER.
29. ALL REINFORCED CONCRETE PIPE (ROUND OR ELLIPTICAL) SHALL BE INSTALLED WITH A NON-WOVEN FILTER FABRIC JACKET AS PER THE DETAIL ON THE CITY OF TAMPA STANDARD DRAWING NUMBER D-13.
30. REFER TO PROJECT SPECIFICATIONS FOR ADDITIONAL INFORMATION AND REQUIREMENTS. COMPLETE CONSTRUCTION DOCUMENTS CONSIST OF PLANS PLUS COMPLETE SPECIFICATIONS (GENERAL PROVISIONS, TECHNICAL SPECIFICATIONS, SPECIFIC PROVISIONS AND ANY ADDENDA), AND CITY AND FDOT STANDARDS, AS APPLICABLE.
31. EXISTING STORMWATER FACILITIES WHICH WILL BE REMOVED FROM SERVICE; INCLUDING PIPES, MANHOLES, MITERED END SECTIONS, ETC.; SHALL BE REMOVED AND NOT ABANDONED IN PLACE.

TRAFFIC CONTROL PLAN GENERAL NOTES

1. LANE CLOSURE RESTRICTIONS FOR SWANN AVENUE HAS BEEN ESTABLISHED AS FOLLOWS: NO LANE(S) MAY BE CLOSED DURING THE HOURS OF 5:30 AM TO 10:30 PM.
2. THE CONTRACTOR SHALL NOTIFY THE ENGINEER A MINIMUM OF 24 HRS IN ADVANCE OF A LANE CLOSURE.
3. THE CONTRACTOR SHALL, AT THE DISCRETION OF THE ENGINEER, OPEN ANY TEMPORARY LANE CLOSURES CAUSING EXTENDED TRAFFIC CONGESTION (5 MINUTES) UNTIL TRAFFIC HAS RETURNED TO AN ACCEPTABLE FLOW AS JUDGED BY THE ENGINEER.
4. THE EXISTING POSTED SPEED SHALL BE MAINTAINED FOR THE DURATION OF THE PROJECT. THE EXISTING POSTED SPEED IS 25 MPH ON SWANN AVENUE.
5. ACCESS TO ADJACENT PROPERTIES SHALL BE MAINTAINED BY THE CONTRACTOR DURING ALL PHASES OF CONSTRUCTION.
6. TEMPORARY TRAVEL LANES SHALL BE A MINIMUM WIDTH OF 10 FT.
7. ALL TEMPORARY SIGNS, PAVEMENT MARKINGS, BARRICADES, WARNING LIGHTS, ETC. NECESSARY FOR THE MAINTENANCE OF TRAFFIC SHALL CONFORM TO THE LATEST EDITIONS OF THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (MUTCD) AND THE FDOT ROADWAY AND TRAFFIC DESIGN STANDARDS.
8. THE CONTRACTOR SHALL PROVIDE UNIFORMED, OFF-DUTY LAW ENFORCEMENT OFFICER(S) WITH A MARKED LAW ENFORCEMENT VEHICLE TO BE USED 2 HOURS IN THE A.M. AND 2 HOURS IN THE P.M. DURING LANE CLOSURE AND SINGLE LANE OPERATION SET-UP AND BREAKDOWN.
9. CONFLICTING OR EXISTING PAVEMENT MARKINGS SHALL BE REMOVED BY GRINDING. ALL EXISTING PAVEMENT MARKINGS WHICH ARE ALTERED SHALL BE REPLACED UPON COMPLETION OF THE PROJECT. COST FOR REMOVAL INCLUDED IN MAINTENANCE OF TRAFFIC. THE REPLACEMENT OF MARKINGS SHALL BE PAID FOR UNDER THE APPROPRIATE BID ITEM.
10. ALL EXISTING STREET SIGNS THAT ARE AFFECTED BY THE PROJECT SHALL BE RELOCATED AND MAINTAINED BY THE CONTRACTOR AT ALL TIMES FOR THE DURATION OF THE PROJECT.
11. VARIABLE MESSAGE BOARDS WILL BE REQUIRED FOR ALL NIGHT WORK. TO BE PAID FOR UNDER A SEPARATE PAY ITEM.
12. THE CONTRACTOR SHALL PROVIDE ANY AND ALL MATERIALS AND EQUIPMENT NEEDED TO MEET THE DROPOFF REQUIREMENTS OF FDOT STANDARD INDEX NO. 600.
13. PEDESTRIAN TRAFFIC IS TO BE MAINTAINED AT ALL TIMES DURING THE CONSTRUCTION PROCESS. THE CONTRACTOR IS RESPONSIBLE FOR INSURING THAT A SAFE, UNOBSTRUCTED ROUTE EXISTS FOR PEDESTRIANS, PER FDOT STANDARD INDEX NO. 660.
14. ALL SIDESTREETS INTERSECTING WITHIN THE PROJECT LIMITS WILL REQUIRE NO LESS THAN A ROAD CONSTRUCTION AHEAD SIGN, INCLUDING LIGHT AND FLAG.
15. AFTER FINAL ASPHALTIC CONCRETE COURSE IS PLACED, APPLY FINAL PAVEMENT MARKINGS AND PLACE PERMANENT RPM'S ON LANE LINES 30 DAYS LATER.
16. TEMPORARY RPM'S SHALL BE INSTALLED WITH ALL TEMPORARY LANE LINES. COST OF REMOVAL SHALL BE INCLUDED IN THE COST OF THE RPM.
17. THE CONTRACTOR WILL BE REQUIRED TO SUBMIT A WRITTEN PLAN WHICH DETAILS EACH ACTIVITY INVOLVED IN THE LANE CLOSURE. THE PLAN SHALL INCLUDE BACK-UP PLANS FOR ACTIVITIES CRITICAL TO RE-OPENING THE LANES TO TRAFFIC. THE BACK-UP PLAN SHALL INCLUDE BACK-UP FOR ALL SUBCONTRACTOR OPERATIONS AS WELL AS THE PRIME CONTRACTOR'S. APPROVAL SHALL BE OBTAINED BY THE ENGINEER PRIOR TO STARTING.
18. NO LANE CLOSURE WILL BE ALLOWED WITHOUT ABSOLUTE ASSURANCE THAT THE PRIME AND SUBCONTRACTORS HAVE PLANNED THE OPERATIONS TO ACHIEVE RE-OPENING ACCORDING TO THE CONTRACT. AN EXAMPLE OF AN ACCEPTABLE BACK-UP PLAN WOULD INCLUDE THE CONTRACTOR CHOOSING TO HAVE TEMPORARY TAPE ON HAND.
19. DURING PERIODS OF LANE CLOSURES, THE CONTRACTOR SHALL PROVIDE A DEDICATED CREW FOR THE INSTALLATION, MAINTENANCE AND REMOVAL OF THE TRAFFIC CONTROL DEVICES (I.E., BARRICADES, SIGNS, ARROW BOARDS, ETC.). THIS CREW SHALL CONSIST OF AT LEAST THREE MEMBERS OF THE CONTRACTOR'S WORK FORCE. WHOSE SOLE RESPONSIBILITY WILL BE THE MAINTENANCE OF TRAFFIC CONTROL. THE CONTRACTOR SHALL FURNISH A WORK VEHICLE TO AID IN MAINTAINING THE CONTROL DEVICE.
20. THE CONTRACTOR SHALL NOTIFY THE FOLLOWING:

HART LINE BUS SERVICE	MR. RALPH LAVARDO	813/623-5835
FIRE DEPARTMENT	TERRY JONES	813/274-7011

WITHIN 48 HOURS OF ANTICIPATED DISRUPTION TO THE NORMAL FLOW OF TRAFFIC, INCLUDING LANE CLOSURES, DETOURS AND SIGNAL WORK.

21. A LANE CLOSURE WILL BE REQUIRED FOR ALL OVERHEAD WORK. A LANE CLOSURE SHALL BE REQUIRED WHENEVER A BOOM ARM OR BUCKET CROSSES A TRAVEL LANE.
22. AT NO TIME SHALL THE CONTRACTOR CLOSE THE ENTIRE ROADWAY OR SIDE STREET.
23. THE CONTRACTOR SHALL NOT CLOSE ANY TWO CONSECUTIVE SIDE STREETS AT A GIVEN TIME.

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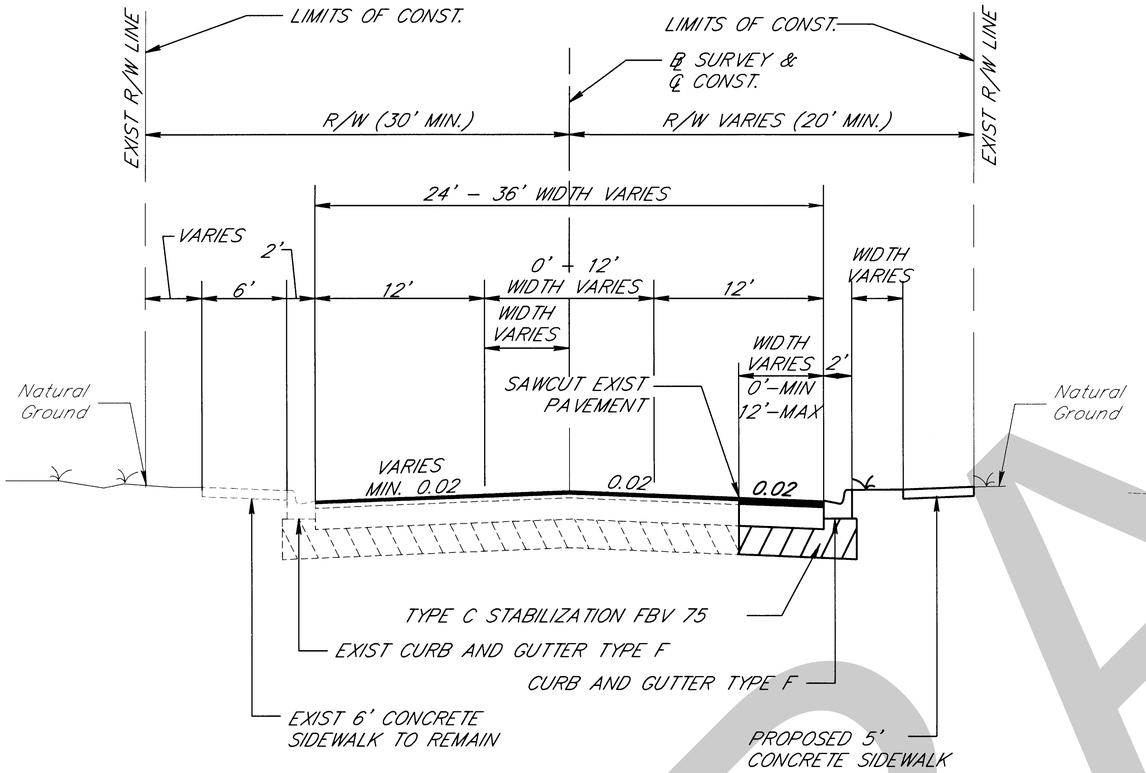
CITY OF TAMPA
DEPARTMENT OF PUBLIC WORKS
TRANSPORTATION DIVISION

SWANN AVENUE
INTERSECTION IMPROVEMENTS
GENERAL INFORMATION

Field Book:
Atlas Sheet:
File No. PW95-45 | Index No.
Job No. 638B | 226/607
Scale: N/A
SHEET 2 OF 16



TYPICAL SECTION

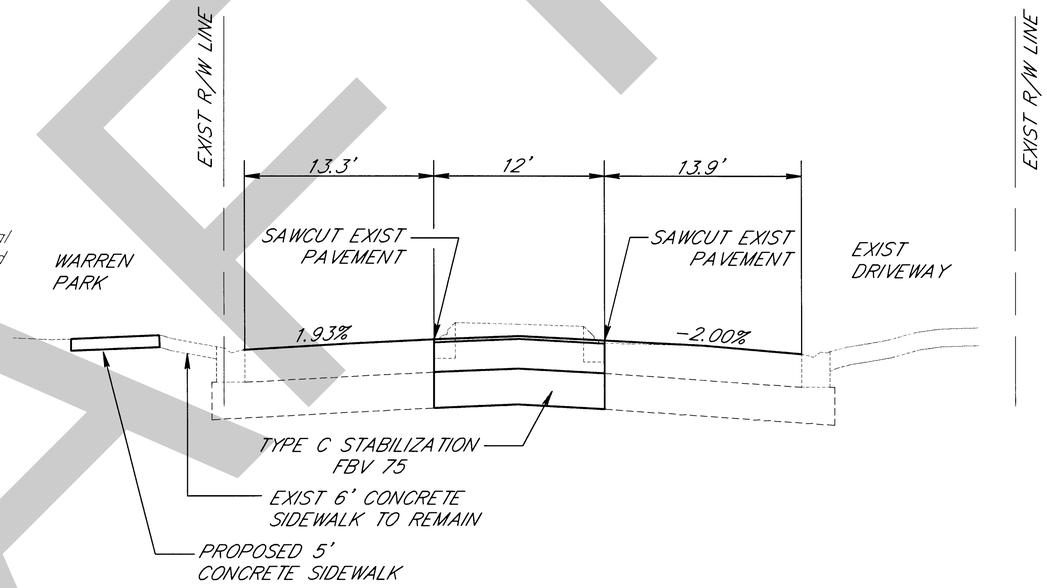
STA. 47+90.00 TO STA. 3+95.00

MILLING & RESURFACING

MILL 2" ASPHALTIC CONCRETE AND RESURFACE WITH S-III ASPHALTIC CONCRETE (160 LBS/SY) **2" THICK**

WIDENING

7" THICK ⚠(OPTIONAL BASE GROUP 11 = ABC-3) WITH TYPE S-I STRUCTURAL COURSE (TRAFFIC C) (300 LB/SY AVG.) **3" THICK** AND S-III ASPHALTIC CONCRETE (160 LB/SY) **2" THICK**



TYPICAL SECTION (PARKLAND BLVD)

STA. 28+35 TO STA. 28+65

MILLING & RESURFACING

MILL 2" ASPHALTIC CONCRETE AND RESURFACE WITH S-III ASPHALTIC CONCRETE (160 LBS/SY) **2" THICK**

WIDENING

7" THICK ⚠(OPTIONAL BASE GROUP 11 = ABC-3) WITH TYPE S-I STRUCTURAL COURSE (TRAFFIC C) (300 LB/SY AVG.) **3" THICK** AND S-III ASPHALTIC CONCRETE (160 LB/SY) **2" THICK**

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CITY OF TAMPA
DEPARTMENT OF PUBLIC WORKS
TRANSPORTATION DIVISION

SWANN AVENUE
INTERSECTION IMPROVEMENTS
TYPICAL SECTION

Field Book:	
Atlas Sheet:	
File No. PW95-45	Index No. 226/007
Job No. 638B	
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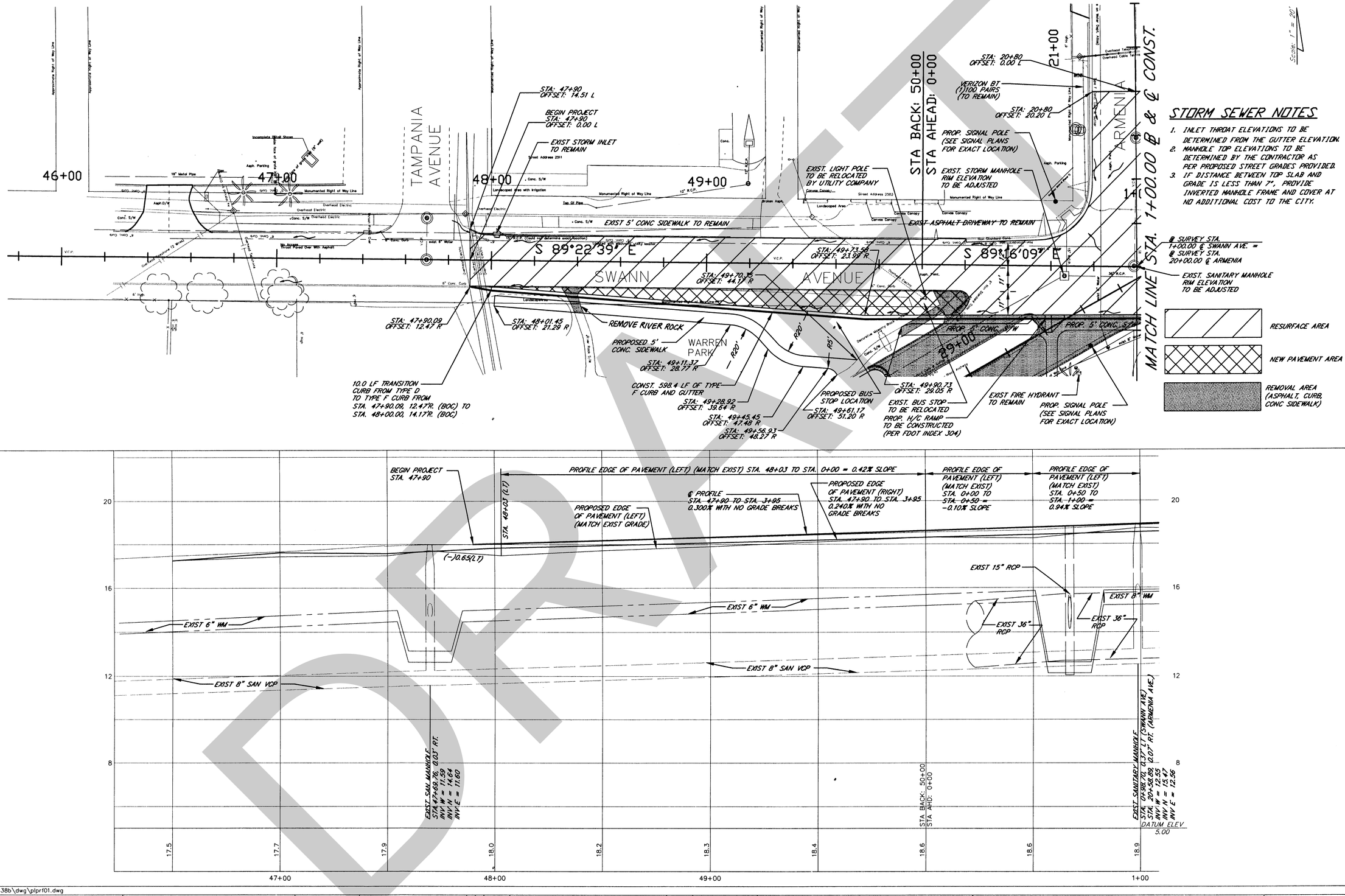

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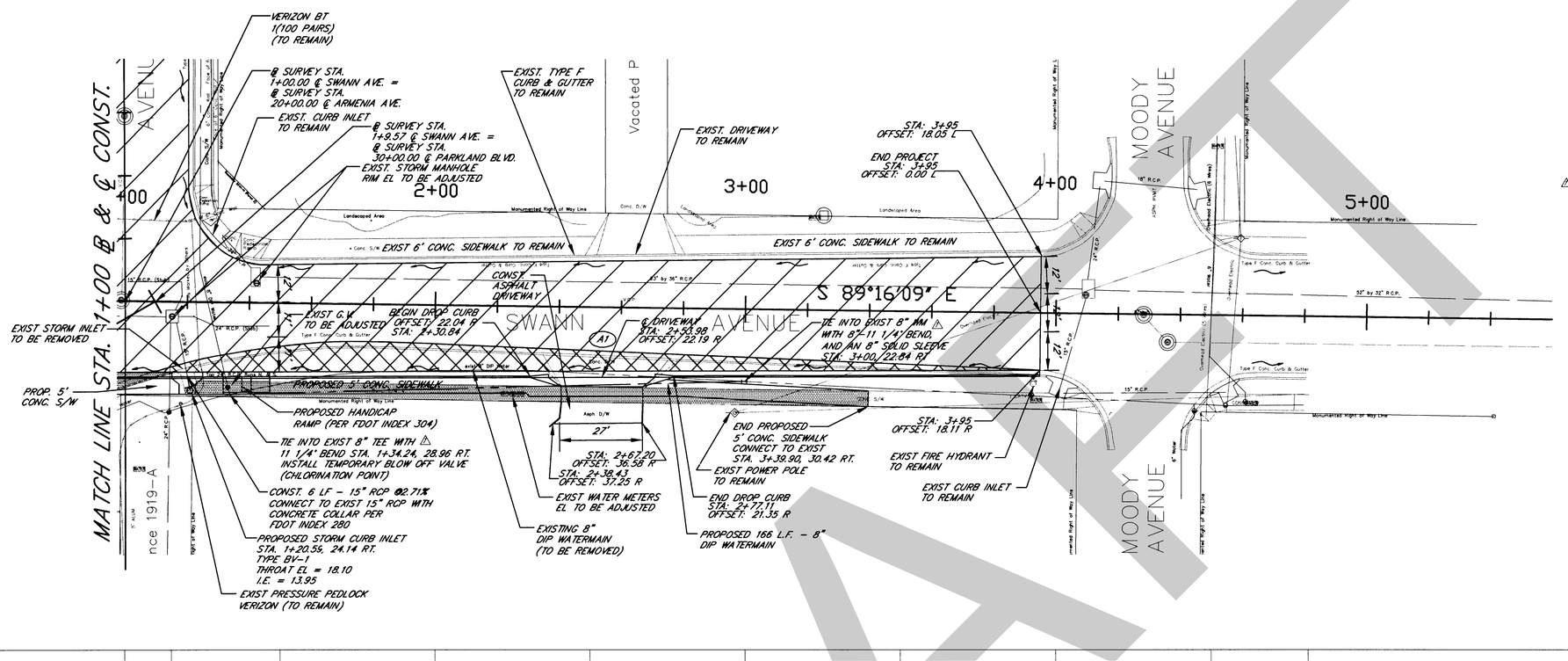
CITY OF TAMPA
DEPARTMENT OF PUBLIC WORKS
TRANSPORTATION DIVISION

SWANN AVENUE INTERSECTION IMPROVEMENTS PLAN & PROFILE

Field Book:	
Atlas Sheet:	
File No. PW95-45	Index No
Job No. 638B	226/007
Scale: 1"=20'H, 1"=2' V	
SHEET 4 OF 16	



WATER NOTES

1. ALL NEW WATER MAINS MUST BE CHLORINE INJECTED AND TESTED PRIOR TO THE ⚠ INSTALLATION OF THE NEW WATER MAIN.
2. ALL WATER VALVES WILL BE OPERATED BY CITY OF TAMPA WATER DEPARTMENT PERSONEL ONLY.

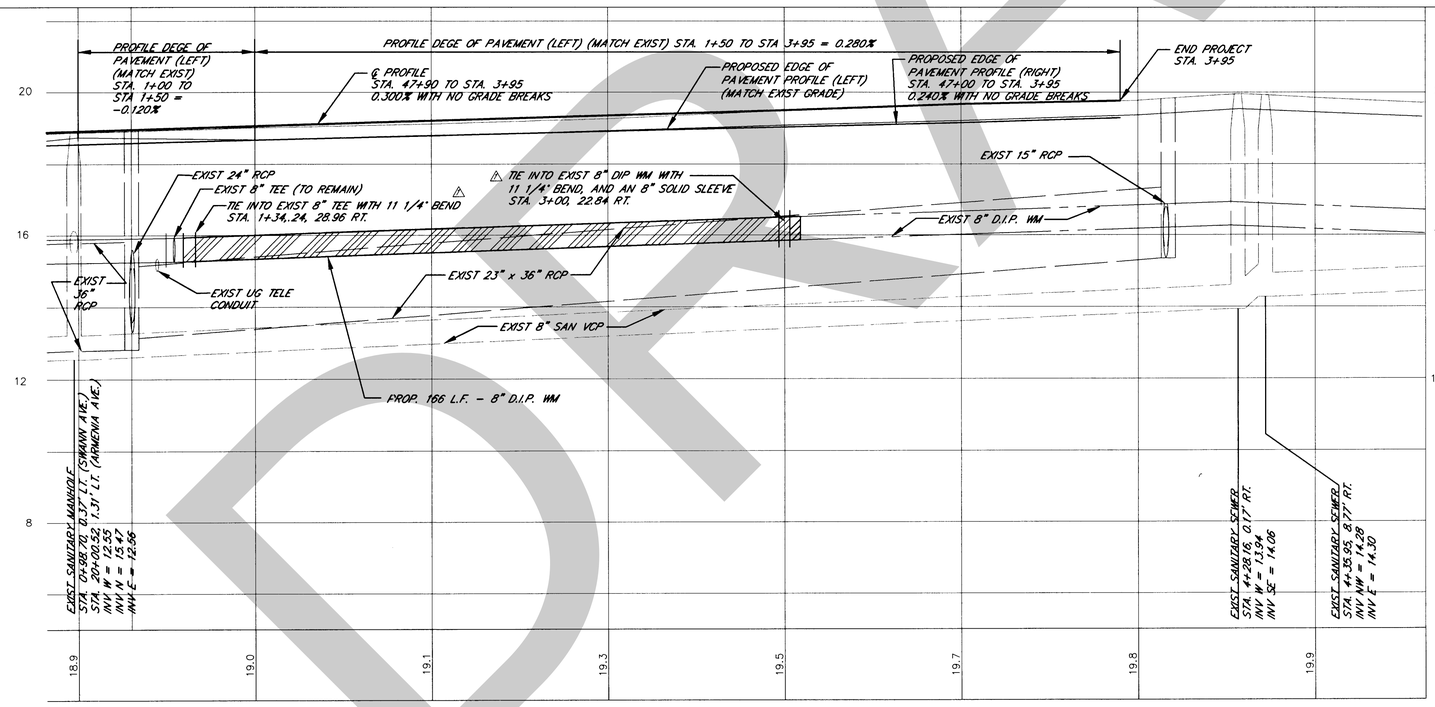
STORM SEWER NOTES

1. INLET THROAT ELEVATIONS TO BE DETERMINED FROM THE GUTTER ELEVATION.
2. MANHOLE TOP ELEVATIONS TO BE DETERMINED BY THE CONTRACTOR AS PER PROPOSED STREET GRADES PROVIDED.
3. IF DISTANCE BETWEEN TOP SLAB AND GRADE IS LESS THAN 7', PROVIDE INVERTED MANHOLE FRAME AND COVER AT NO ADDITIONAL COST TO THE CITY.

RESURFACE AREA

NEW PAVEMENT AREA

REMOVAL AREA (ASPHALT, CURB, CONC SIDEWALK)



⚠ WATER NOTES

1. RESTRAIN ALL JOINTS FROM (STA. 1+28 TO STA. 3+06).

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CITY OF TAMPA
DEPARTMENT OF PUBLIC WORKS
TRANSPORTATION DIVISION

SWANN AVENUE INTERSECTION IMPROVEMENTS PLAN & PROFILE

Field Book:	
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File No. PW95-45	Index No. 226/007
Job No. 638B	
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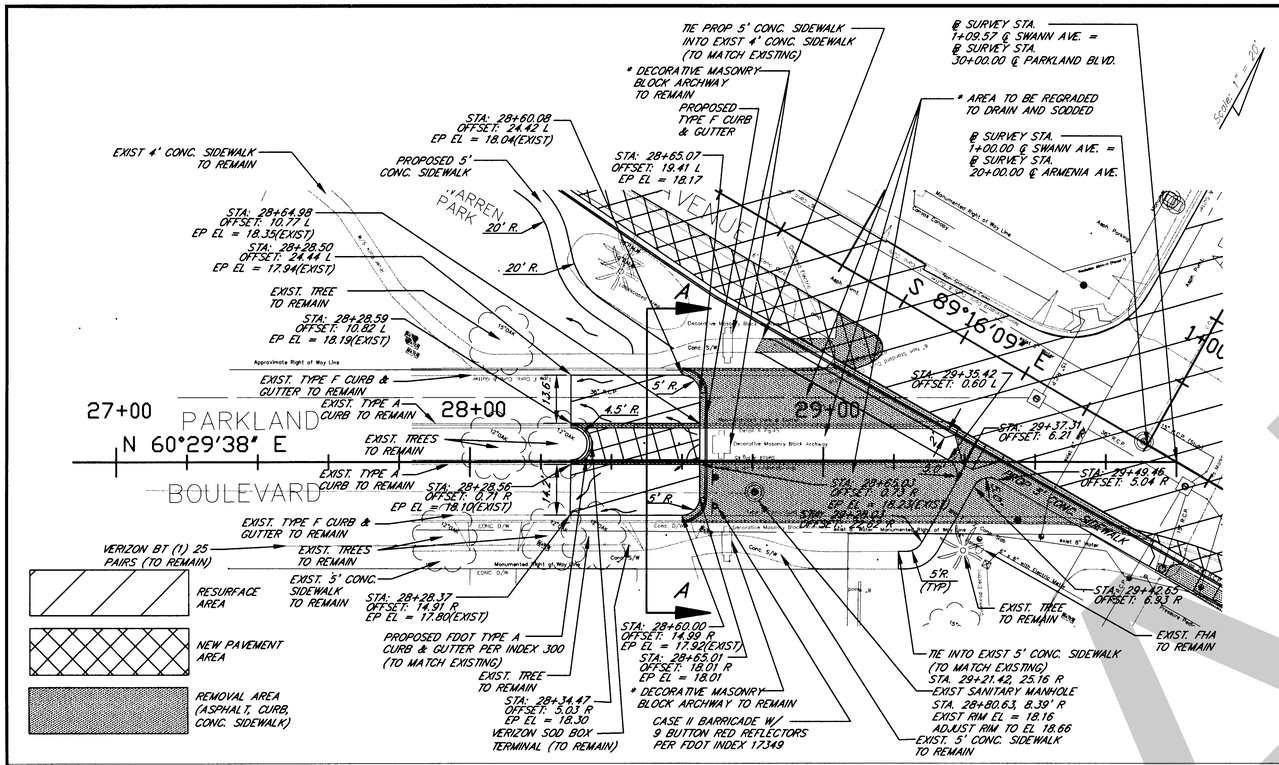
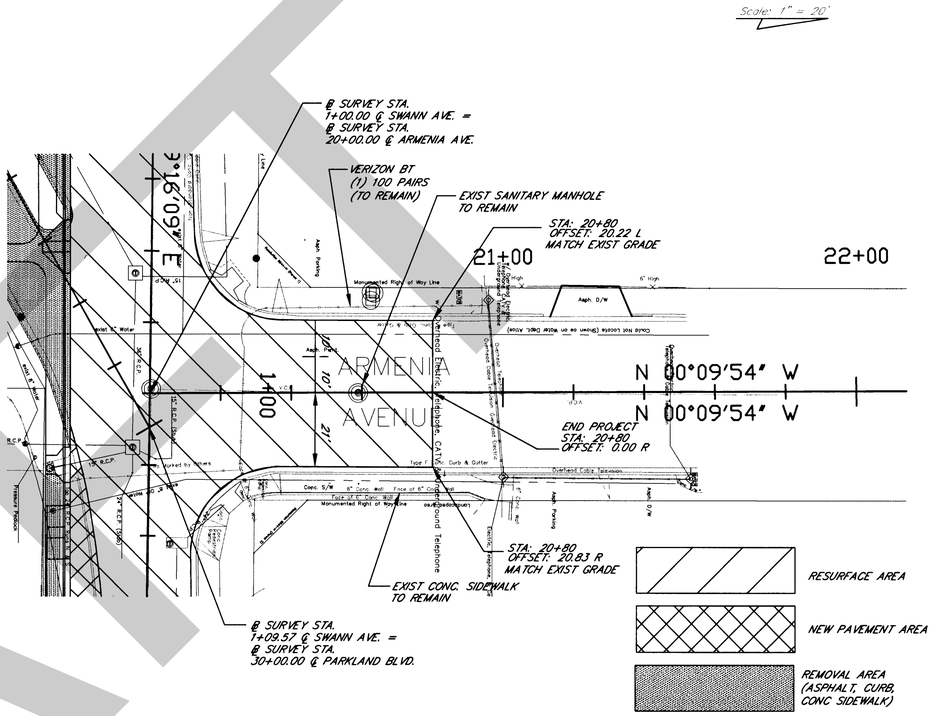
SHEET 5 OF 16	



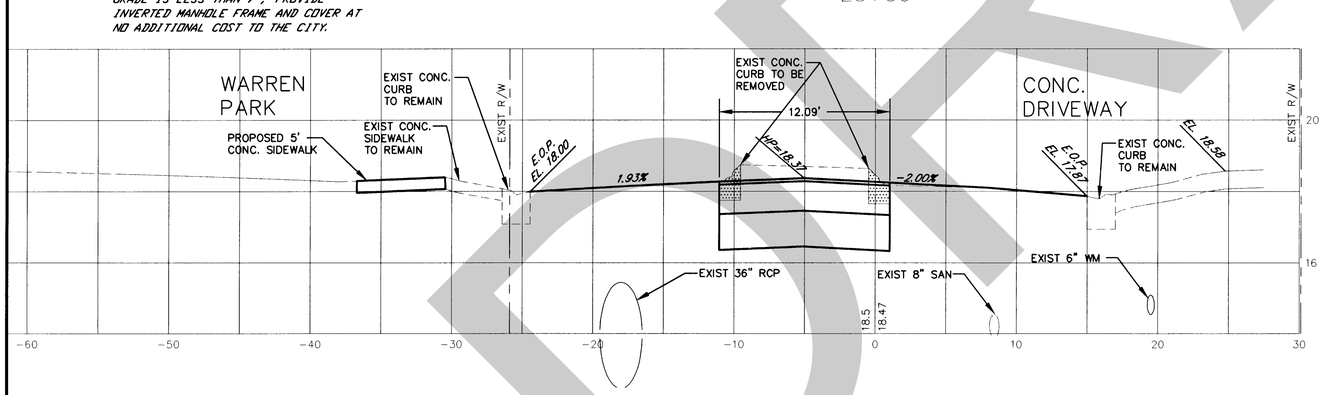


STORM SEWER NOTES

1. INLET THROAT ELEVATIONS TO BE DETERMINED FROM THE GUTTER ELEVATION.
2. MANHOLE TOP ELEVATIONS TO BE DETERMINED BY THE CONTRACTOR AS PER PROPOSED STREET GRADES PROVIDED.
3. IF DISTANCE BETWEEN TOP SLAB AND GRADE IS LESS THAN 7", PROVIDE INVERTED MANHOLE FRAME AND COVER AT NO ADDITIONAL COST TO THE CITY.

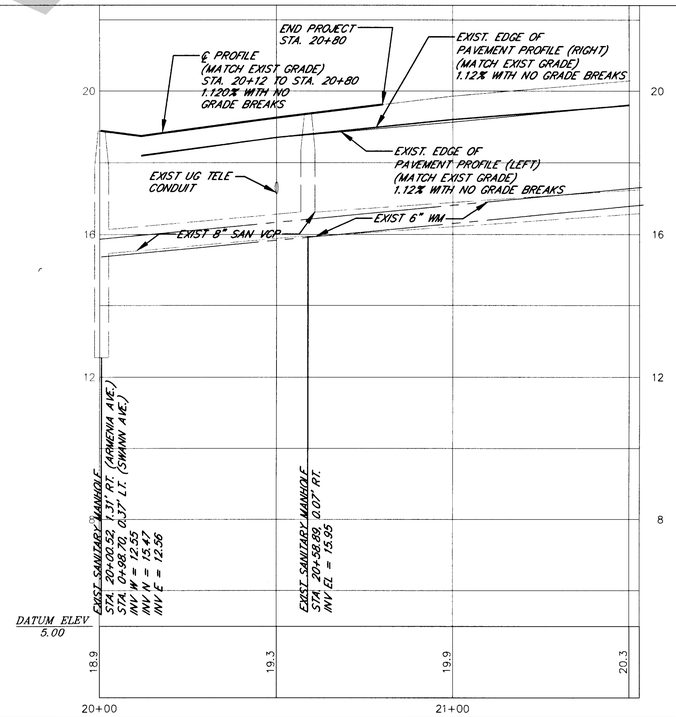
* GENERAL NOTES

1. AT THE EXISTING DECORATIVE MASONRY BLOCK ARCHWAY WHICH IS TO REMAIN THE CONTRACTOR IS TO PROTECT THE EXISTING POWER SUPPLY DURING THE GRADING AND CONSTRUCTION OF THE PROJECT.



SECTION A-A STATION 28+50

SCALE: 1" = 5' Hor.
1" = 2' Ver.



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CITY OF TAMPA
DEPARTMENT OF PUBLIC WORKS
TRANSPORTATION DIVISION

SWANN AVENUE INTERSECTION IMPROVEMENTS PLAN & PROFILE

Field Book:	
Atlas Sheet:	
File No. PW95-45	Index No. 226/607
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Scale: 1"=20'H, 1"=2'V	
SHEET 6 OF 16	

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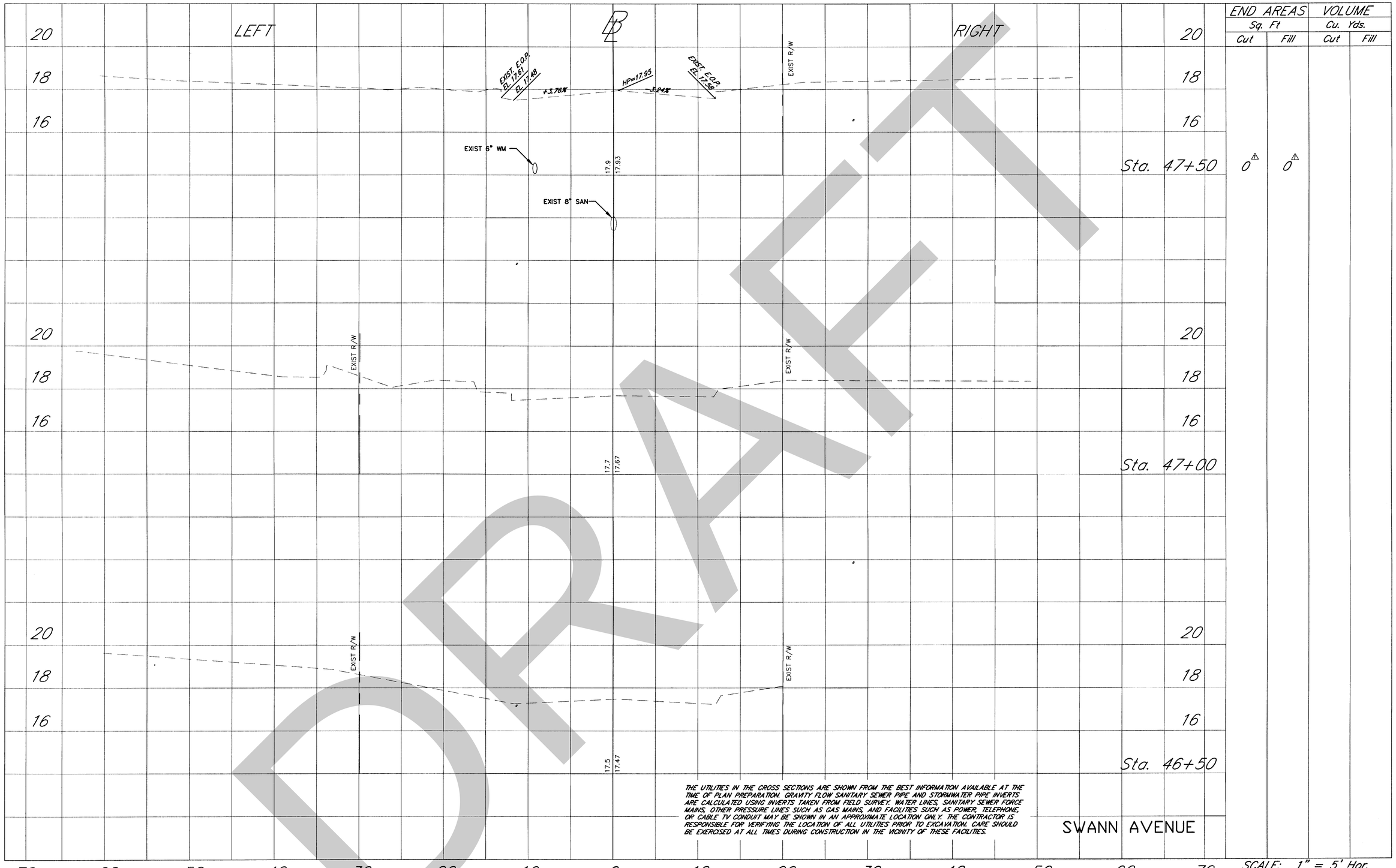

END AREAS		VOLUME	
Sq. Ft		Cu. Yds.	
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THE UTILITIES IN THE CROSS SECTIONS ARE SHOWN FROM THE BEST INFORMATION AVAILABLE AT THE TIME OF PLAN PREPARATION. GRAVITY FLOW SANITARY SEWER PIPE AND STORMWATER PIPE INVERTS ARE CALCULATED USING INVERTS TAKEN FROM FIELD SURVEY. WATER LINES, SANITARY SEWER FORCE MAINS, OTHER PRESSURE LINES SUCH AS GAS MAINS, AND FACILITIES SUCH AS POWER, TELEPHONE, OR CABLE TV CONDUIT MAY BE SHOWN IN AN APPROXIMATE LOCATION ONLY. THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING THE LOCATION OF ALL UTILITIES PRIOR TO EXCAVATION. CARE SHOULD BE EXERCISED AT ALL TIMES DURING CONSTRUCTION IN THE VICINITY OF THESE FACILITIES.

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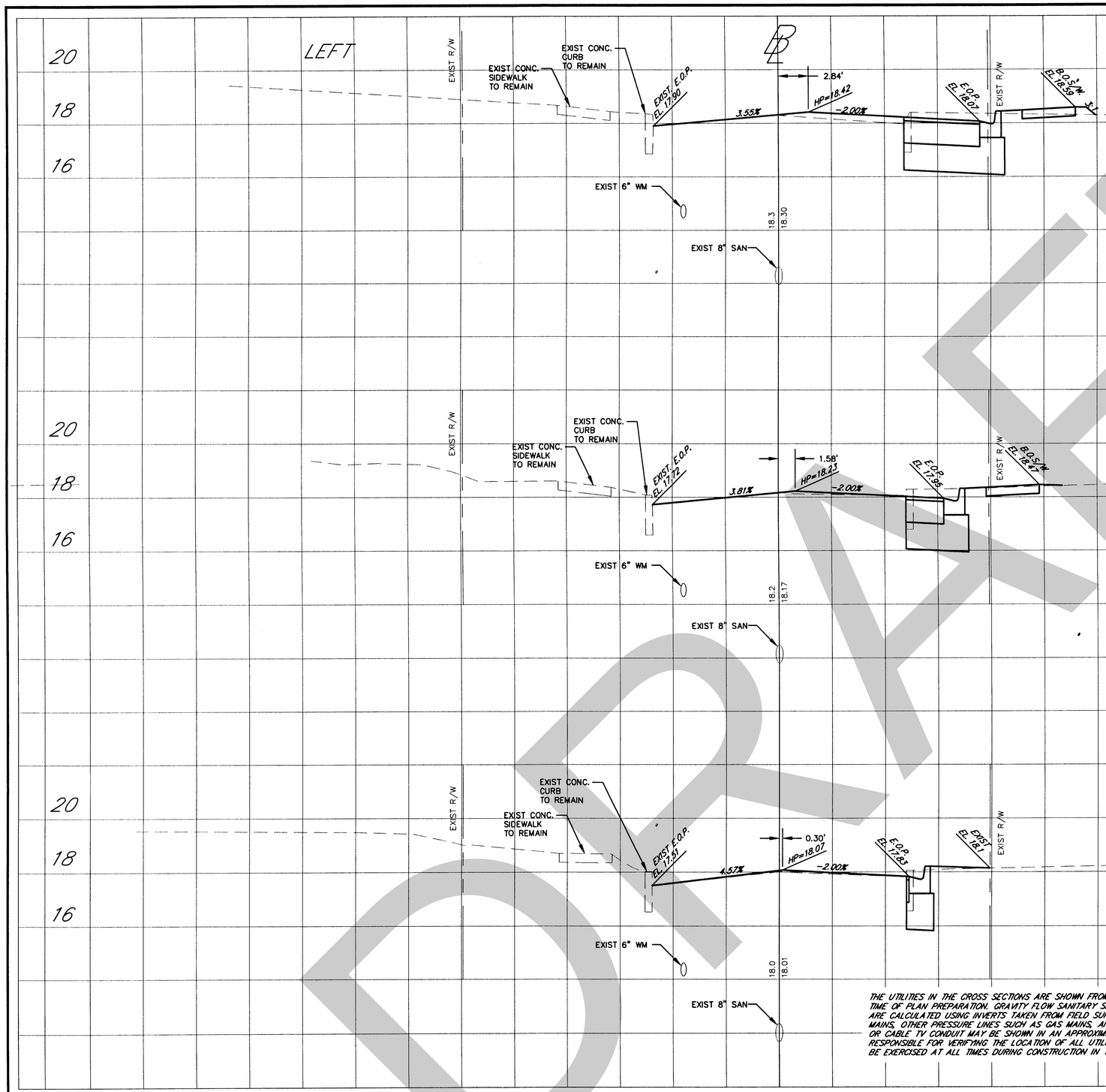
CITY OF TAMPA
DEPARTMENT OF PUBLIC WORKS
TRANSPORTATION DIVISION

SWANN AVENUE
INTERSECTION IMPROVEMENTS
CROSS-SECTIONS

Field Book:	
Atlas Sheet:	
File No. PW95-45	Index No. 226/007
Job No. 638B	
Scale: 1"=5'H, 1"=2'V	
SHEET 7 OF 16	



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		31.6	0.6
Sta. 48+50 13.7	0.7		
		16.7	0.5
Sta. 48+00 4.4	0.4		
		0.8	0.1

THE UTILITIES IN THE CROSS SECTIONS ARE SHOWN FROM THE BEST INFORMATION AVAILABLE AT THE TIME OF PLAN PREPARATION. GRAVITY FLOW SANITARY SEWER PIPE AND STORMWATER PIPE INVERTS ARE CALCULATED USING INVERTS TAKEN FROM FIELD SURVEY. WATER LINES, SANITARY SEWER FORCE MAINS, OTHER PRESSURE LINES SUCH AS GAS MAINS, AND FACILITIES SUCH AS POWER, TELEPHONE, OR CABLE TV CONDUIT MAY BE SHOWN IN AN APPROXIMATE LOCATION ONLY. THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING THE LOCATION OF ALL UTILITIES PRIOR TO EXCAVATION. CARE SHOULD BE EXERCISED AT ALL TIMES DURING CONSTRUCTION IN THE VICINITY OF THESE FACILITIES.

BEGIN PROJECT
STA. 47+90
SWANN AVENUE

SCALE: 1" = 5' Hor.
1" = 2' Ver.

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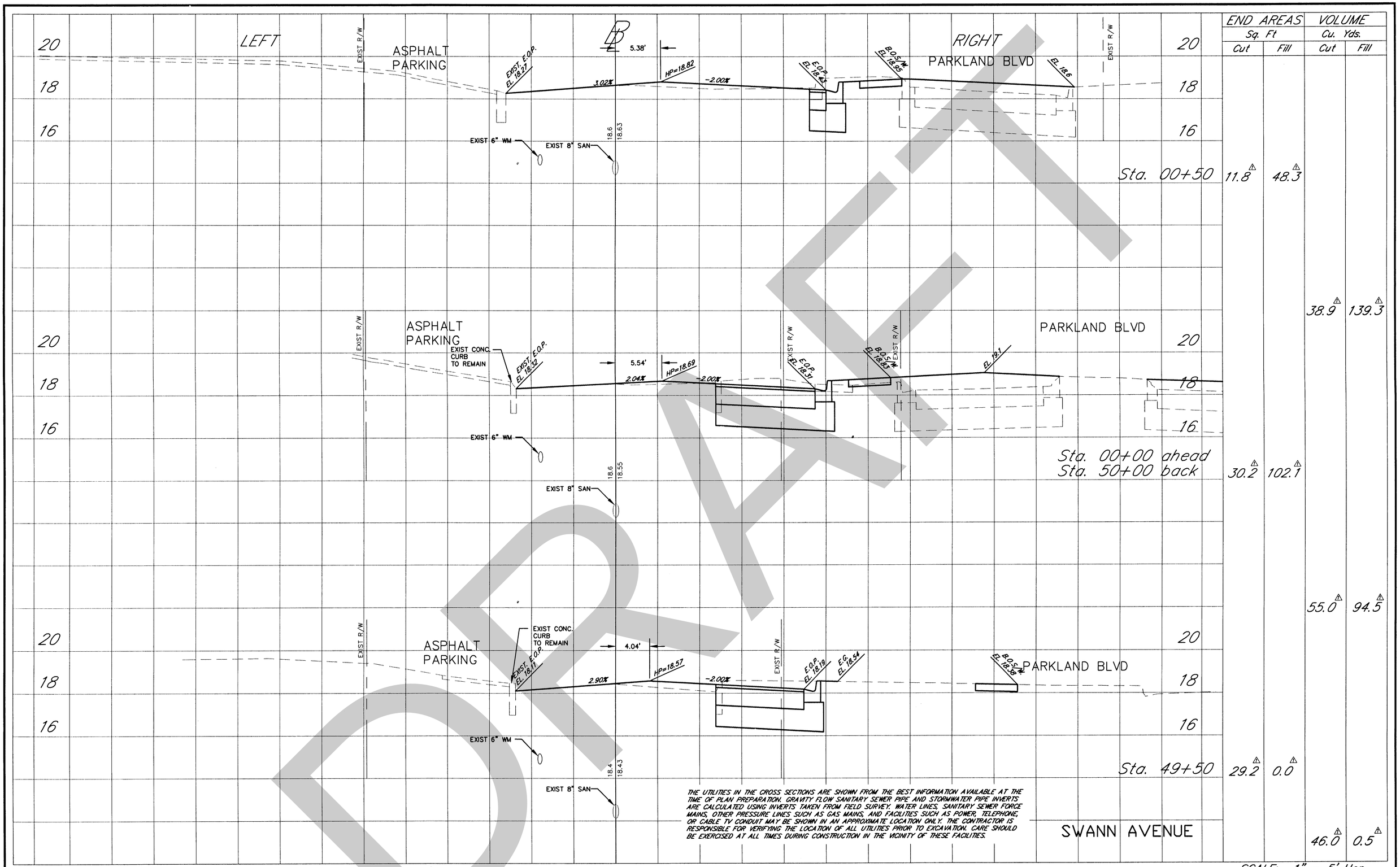
CITY OF TAMPA
DEPARTMENT OF PUBLIC WORKS
TRANSPORTATION DIVISION

SWANN AVENUE
INTERSECTION IMPROVEMENTS
CROSS-SECTIONS

Field Book:
Atlas Sheet:
File No. PW95-45
Job No. 638B
Scale: 1"=5'H,1"=2'V
SHEET 8 OF 16
Index No. 226/007



	END AREAS Sq. Ft		VOLUME Cu. Yds.	
	Cut	Fill	Cut	Fill
Sta. 00+50	11.8	48.3		
			38.9	139.3
Sta. 00+00 ahead Sta. 50+00 back	30.2	102.1		
			55.0	94.5
Sta. 49+50	29.2	0.0		
			46.0	0.5

THE UTILITIES IN THE CROSS SECTIONS ARE SHOWN FROM THE BEST INFORMATION AVAILABLE AT THE TIME OF PLAN PREPARATION. GRAVITY FLOW SANITARY SEWER PIPE AND STORMWATER PIPE INVERTS ARE CALCULATED USING INVERTS TAKEN FROM FIELD SURVEY. WATER LINES, SANITARY SEWER FORCE MAINS, OTHER PRESSURE LINES SUCH AS GAS MAINS, AND FACILITIES SUCH AS POWER, TELEPHONE, OR CABLE TV CONDUIT MAY BE SHOWN IN AN APPROXIMATE LOCATION ONLY. THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING THE LOCATION OF ALL UTILITIES PRIOR TO EXCAVATION. CARE SHOULD BE EXERCISED AT ALL TIMES DURING CONSTRUCTION IN THE VICINITY OF THESE FACILITIES.

70 60 50 40 30 20 10 0 10 20 30 40 50 60 70

SCALE: 1" = 5' Hor.
1" = 2' Ver.

NAME: J:\JN\638b\dwg\XSection01.dwg

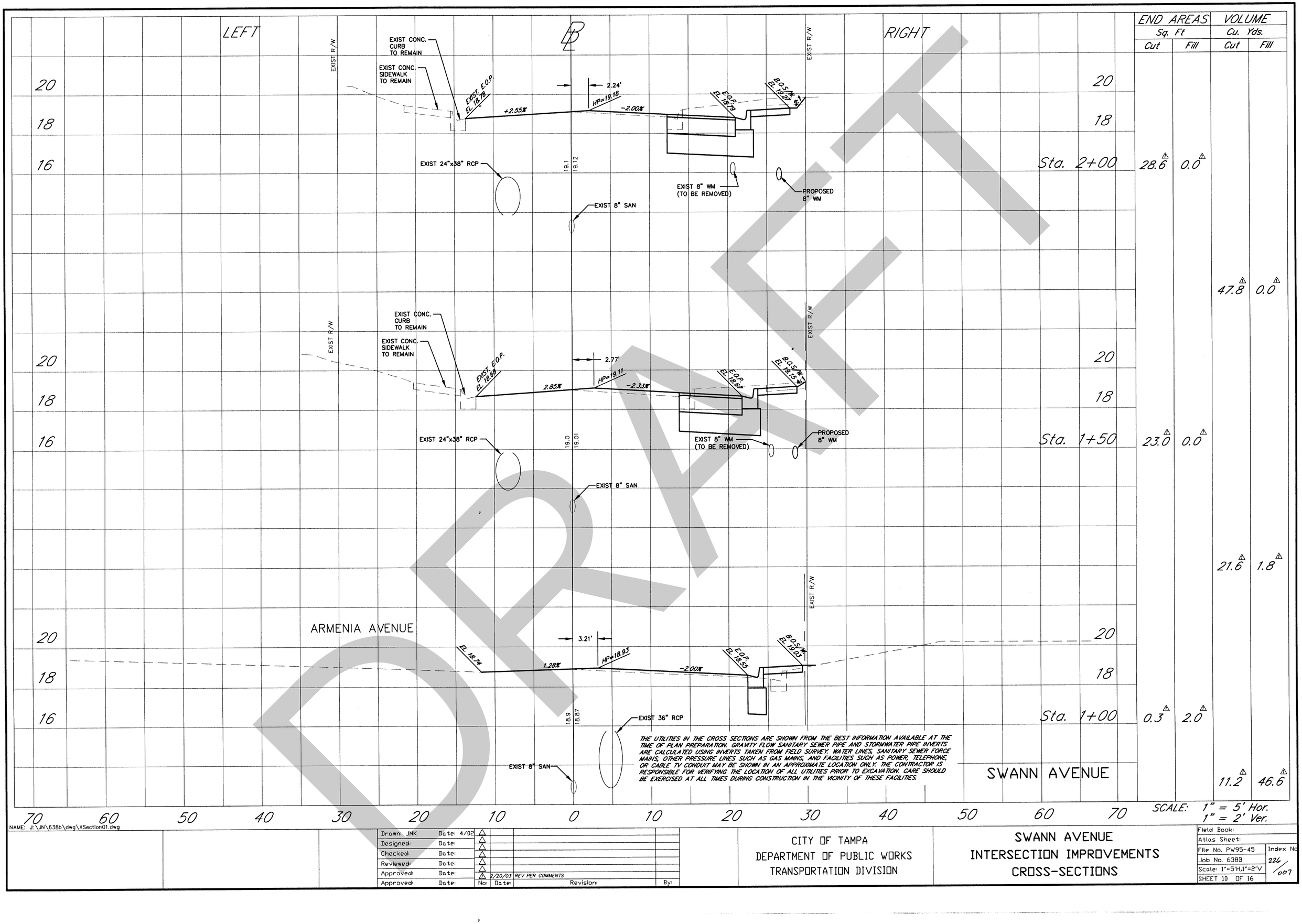
Drawn: JMK	Date: 4/02				
Designed:	Date:				
Checked:	Date:				
Reviewed:	Date:				
Approved:	Date:				
Approved:	Date:	No:	Date:	Revision:	By:
		2	2/20/03	REV PER COMMENTS	

CITY OF TAMPA
DEPARTMENT OF PUBLIC WORKS
TRANSPORTATION DIVISION

SWANN AVENUE
INTERSECTION IMPROVEMENTS
CROSS-SECTIONS

Field Book:
Atlas Sheet:
File No. PW95-45
Index No. 226/007
Job No. 638B
Scale: 1"=5'H,1"=2'V
SHEET 9 OF 16

DRAFT



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		47.8	0.0
Sta. 1+50	23.0	0.0	
		21.6	1.8
Sta. 1+00	0.3	2.0	
		11.2	46.6

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SCALE: 1" = 5' Hor.
1" = 2' Ver.

NAME: J:\JN\638b\dwg\XSection01.dwg

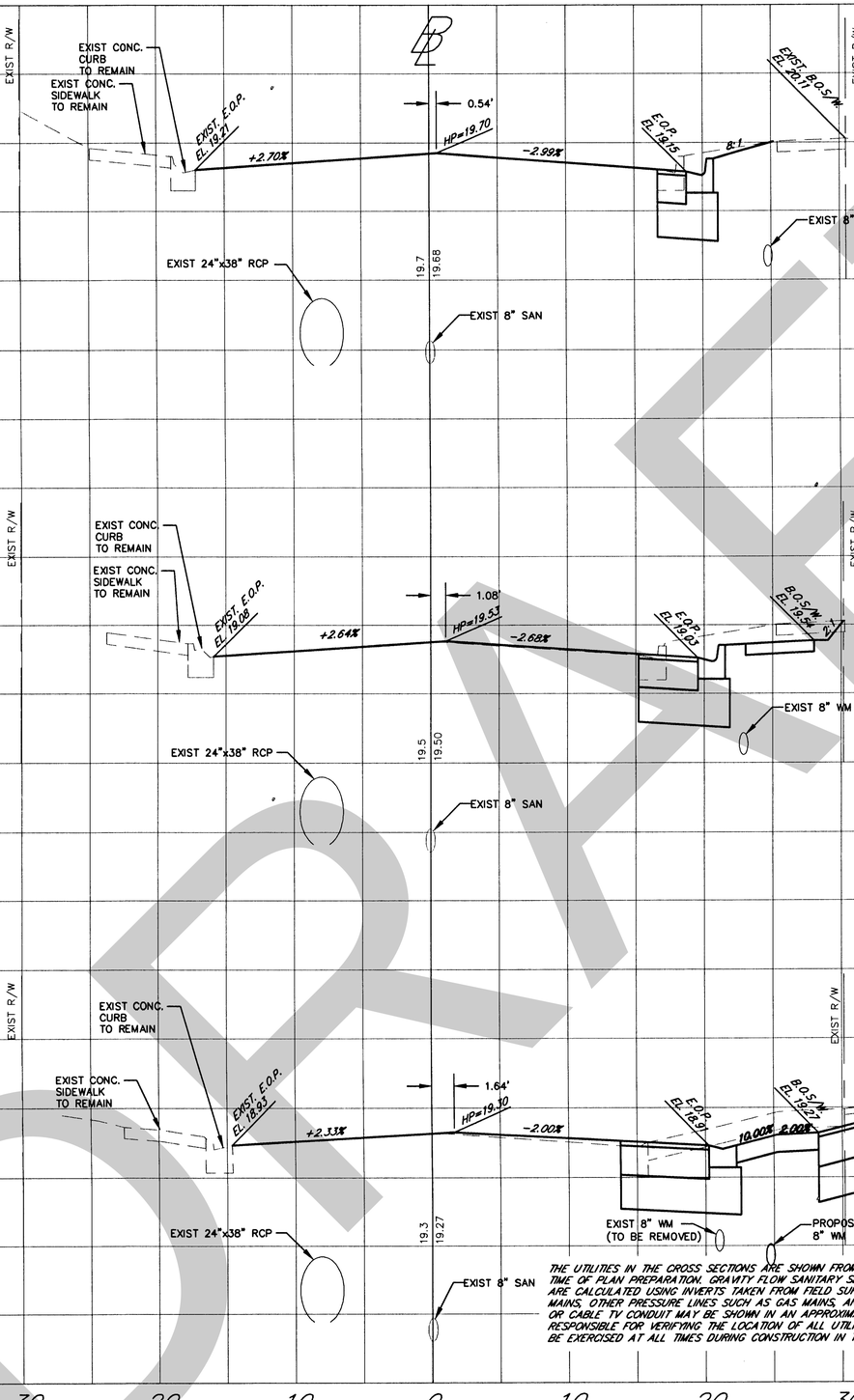
Drawn: JMK	Date: 4/02				
Designed:	Date:				
Checked:	Date:				
Reviewed:	Date:				
Approved:	Date:	1	2/20/03	REV PER COMMENTS	
Approved:	Date:	No:	Date:	Revision:	By:

CITY OF TAMPA
DEPARTMENT OF PUBLIC WORKS
TRANSPORTATION DIVISION

SWANN AVENUE
INTERSECTION IMPROVEMENTS
CROSS-SECTIONS

Field Book:
Atlas Sheet:
File No. PW95-45
Job No. 638B
Scale: 1"=5'H,1"=2'V
SHEET 10 OF 16
Index No 226/007

DRAFT



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		25.1	0.0	
				Sta. 3+00
18.2	0.0			
		37.2	0.0	
				Sta. 2+50
22.0	0.0			
		46.9	0.0	

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SWANN AVENUE

SCALE: 1" = 5' Hor.
1" = 2' Ver.

DRAFT

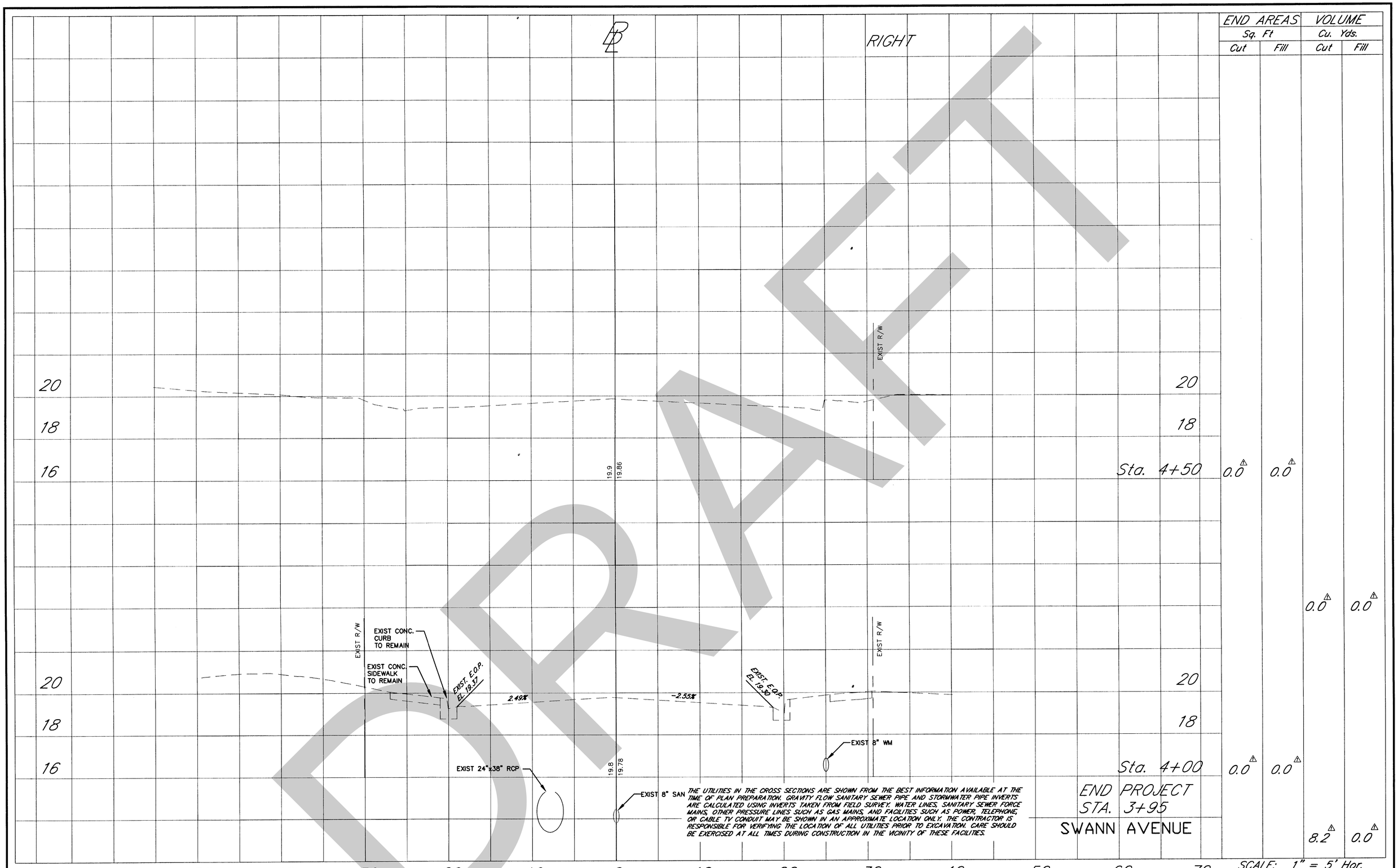
NAME: J:\JN\638b\dwg\XSection01.dwg

Drawn: JMK	Date: 4/02				
Designed:	Date:				
Checked:	Date:				
Reviewed:	Date:				
Approved:	Date:				
Approved:	Date:	No:	Date:	Revision:	By:
		2	2/20/03	REV PER COMMENTS	

CITY OF TAMPA
DEPARTMENT OF PUBLIC WORKS
TRANSPORTATION DIVISION

SWANN AVENUE INTERSECTION IMPROVEMENTS CROSS-SECTIONS

Field Book:	
Atlas Sheet:	
File No. PW95-45	Index No. 226/007
Job No. 638B	
Scale: 1"=5'H,1"=2'V	
SHEET 11 OF 16	



END AREAS Sq. Ft		VOLUME Cu. Yds.	
Cut	Fill	Cut	Fill
0.0 △	0.0 △		
		0.0 △	0.0 △
0.0 △	0.0 △		
		8.2 △	0.0 △

THE UTILITIES IN THE CROSS SECTIONS ARE SHOWN FROM THE BEST INFORMATION AVAILABLE AT THE TIME OF PLAN PREPARATION. GRAVITY FLOW SANITARY SEWER PIPE AND STORMWATER PIPE INVERTS ARE CALCULATED USING INVERTS TAKEN FROM FIELD SURVEY. WATER LINES, SANITARY SEWER FORCE MAINS, OTHER PRESSURE LINES SUCH AS GAS MAINS, AND FACILITIES SUCH AS POWER, TELEPHONE, OR CABLE TV CONDUIT MAY BE SHOWN IN AN APPROXIMATE LOCATION ONLY. THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING THE LOCATION OF ALL UTILITIES PRIOR TO EXCAVATION. CARE SHOULD BE EXERCISED AT ALL TIMES DURING CONSTRUCTION IN THE VICINITY OF THESE FACILITIES.

SCALE: 1" = 5' Hor.
1" = 2' Ver.

DRAFT

NAME: J:\JN\638b\dwg\XSection01.dwg

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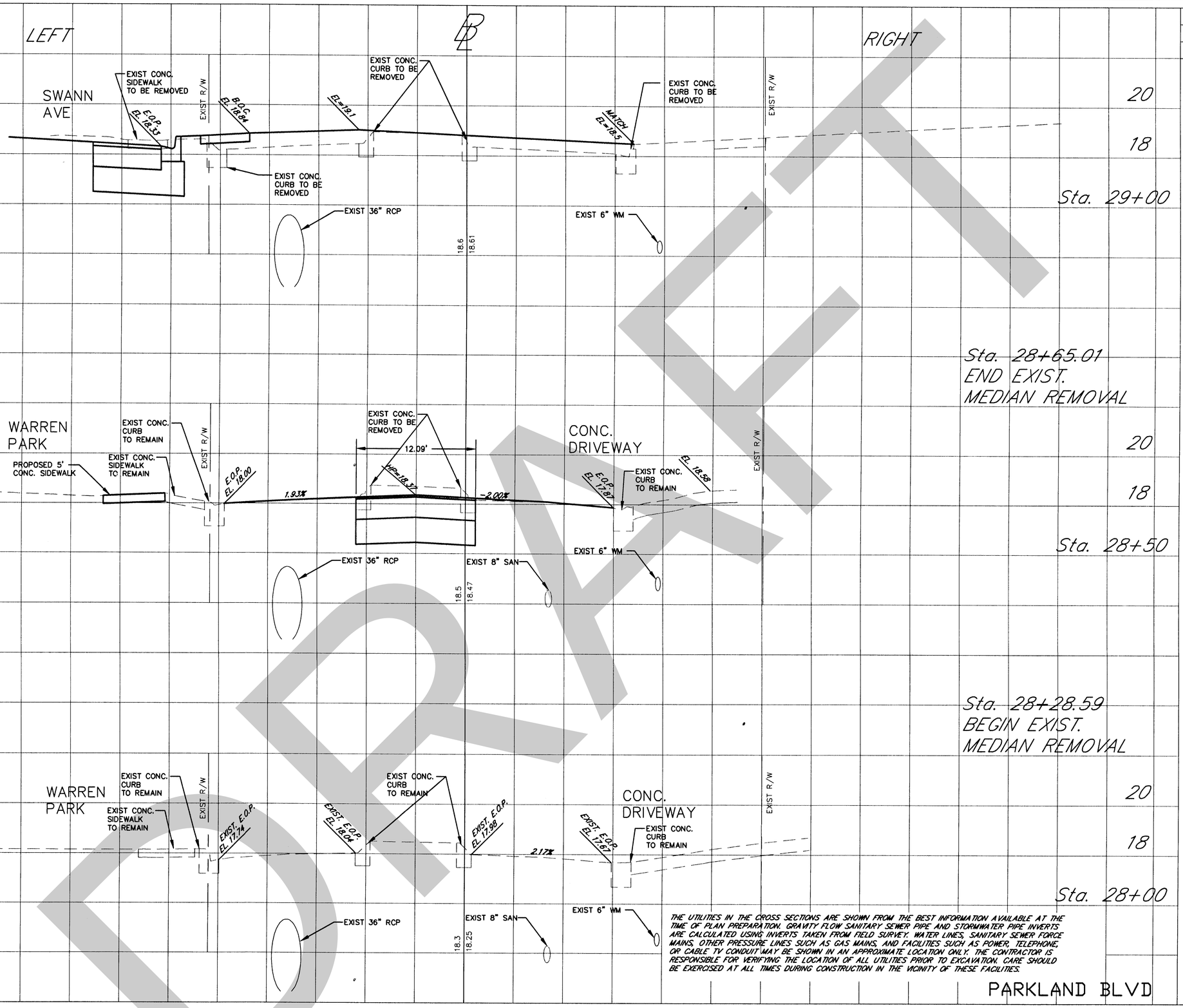
Designed:	Date:	△			
Checked:	Date:	△			
Reviewed:	Date:	△			
Approved:	Date:	△			
Approved:	Date:	△	2/20/03	REV PER COMMENTS	
		No:	Date:	Revision:	By:

CITY OF TAMPA
DEPARTMENT OF PUBLIC WORKS
TRANSPORTATION DIVISION

SWANN AVENUE INTERSECTION IMPROVEMENTS CROSS-SECTIONS

Field Book:
Atlas Sheet:
File No. PW95-45
Index No. 226/067
Job No. 638B
Scale: 1"=5'H,1"=2'V
SHEET 12 OF 16



END AREAS Sq. Ft		VOLUME Cu. Yds.	
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(SEE MAINLINE FOR EARTHWORK)			
25.5	0.0		
		14.2	0.0
25.5	0.0		
		20.2	0.0
25.5	0.0		
		0.0	0.0
0.0	0.0		

THE UTILITIES IN THE CROSS SECTIONS ARE SHOWN FROM THE BEST INFORMATION AVAILABLE AT THE TIME OF PLAN PREPARATION. GRAVITY FLOW SANITARY SEWER PIPE AND STORMWATER PIPE INVERTS ARE CALCULATED USING INVERTS TAKEN FROM FIELD SURVEY. WATER LINES, SANITARY SEWER FORCE MAINS, OTHER PRESSURE LINES SUCH AS GAS MAINS, AND FACILITIES SUCH AS POWER, TELEPHONE, OR CABLE TV CONDUIT MAY BE SHOWN IN AN APPROXIMATE LOCATION ONLY. THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING THE LOCATION OF ALL UTILITIES PRIOR TO EXCAVATION. CARE SHOULD BE EXERCISED AT ALL TIMES DURING CONSTRUCTION IN THE VICINITY OF THESE FACILITIES.

SCALE: 1" = 5' Hor.
1" = 2' Ver.

DRAFT

NAME: J:\JN\638b\dwg\XSection01.dwg

Drawn: JMK	Date: 4/02				
Designed:	Date:				
Checked:	Date:				
Reviewed:	Date:				
Approved:	Date:	2	2/20/03	REV PER COMMENTS	
Approved:	Date:	No:	Date:	Revision:	By:

CITY OF TAMPA
DEPARTMENT OF PUBLIC WORKS
TRANSPORTATION DIVISION

SWANN AVENUE
INTERSECTION IMPROVEMENTS
CROSS-SECTIONS

Field Book:	
Atlas Sheet:	
File No. PW95-45	Index No. 224/007
Job No. 638B	
Scale: 1"=5'H,1"=2'V	
SHEET 13 OF 16	

LEFT

RIGHT

END PROJECT STA. 21+80

SUMMARY OF EARTHWORK	CY	
DESCRIPTION	P	F
CUT	421.4	
FILL	283.9	

	END AREAS Sq. Ft		VOLUME Cu. Yds.	
	Cut	Fill	Cut	Fill
Sta. 21+50	0.0	0.0		
Sta. 21+00	0.0	0.0	0.0	0.0
Sta. 20+50	0.0	0.0	0.0	0.0
Sta. 20+00	0.0	0.0	0.0	0.0

EXIST R/W
EXIST CONC. CURB TO REMAIN
EXIST. E.O.P. EL. 19.61
EXIST 6" WM
HP=20.31
EXIST 8" SAN
20.3
20.29
EXIST. E.O.P. EL. 19.58
EXIST CONC. CURB TO REMAIN
EXIST 6" WM
EXIST R/W

EXIST R/W
EXIST CONC. CURB TO REMAIN
EXIST. E.O.P. EL. 19.13
EXIST 6" WM
HP=19.87
EXIST 8" SAN
19.9
19.86
EXIST CONC. CURB TO REMAIN
EXIST. E.O.P. EL. 19.20
EXIST CONC. SIDEWALK TO REMAIN
EXIST 6" WM
EXIST R/W

EXIST R/W
ASPHALT PARKING
EXIST CONC. CURB TO REMAIN
EXIST. E.O.P. EL. 18.70
2.68%
HP=19.26
-2.75%
EXIST 6" WM
EXIST 8" SAN
19.3
19.25
EXIST CONC. CURB TO REMAIN
EXIST. E.O.P. EL. 18.70
EXIST CONC. SIDEWALK TO REMAIN
EXIST 6" WM
EXIST R/W

CL CONST. EL. 18.78
CL CONST. EL. 18.82
CL CONST. EL. 18.94
EXIST 15" RCP
EXIST 6" WM
EXIST 8" SAN
18.9
18.87
EXIST UG TELE CONDUIT
EXIST 6" WM
EXIST 15" RCP
EXIST 8" SAN

THE UTILITIES IN THE CROSS SECTIONS ARE SHOWN FROM THE BEST INFORMATION AVAILABLE AT THE TIME OF PLAN PREPARATION. GRAVITY FLOW SANITARY SEWER PIPE AND STORMWATER PIPE INVERTS ARE CALCULATED USING INVERTS TAKEN FROM FIELD SURVEY. WATER LINES, SANITARY SEWER FORCE MAINS, OTHER PRESSURE LINES SUCH AS GAS MAINS, AND FACILITIES SUCH AS POWER, TELEPHONE, OR CABLE TV CONDUIT MAY BE SHOWN IN AN APPROXIMATE LOCATION ONLY. THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING THE LOCATION OF ALL UTILITIES PRIOR TO EXCAVATION. CARE SHOULD BE EXERCISED AT ALL TIMES DURING CONSTRUCTION IN THE VICINITY OF THESE FACILITIES.

ARMENIA AVENUE

20 18 16 20 18 20 18 16 20 18 20 18 16

70 60 50 40 30 20 10 0 10 20 30 40 50 60 70

SCALE: 1" = 5' Hor.
1" = 2' Ver.

NAME: J:\JN\638b\dwg\XSection01.dwg

Drawn: JMK	Date: 4/02		
Designed:	Date:		
Checked:	Date:		
Reviewed:	Date:		
Approved:	Date:		
Approved:	Date:		

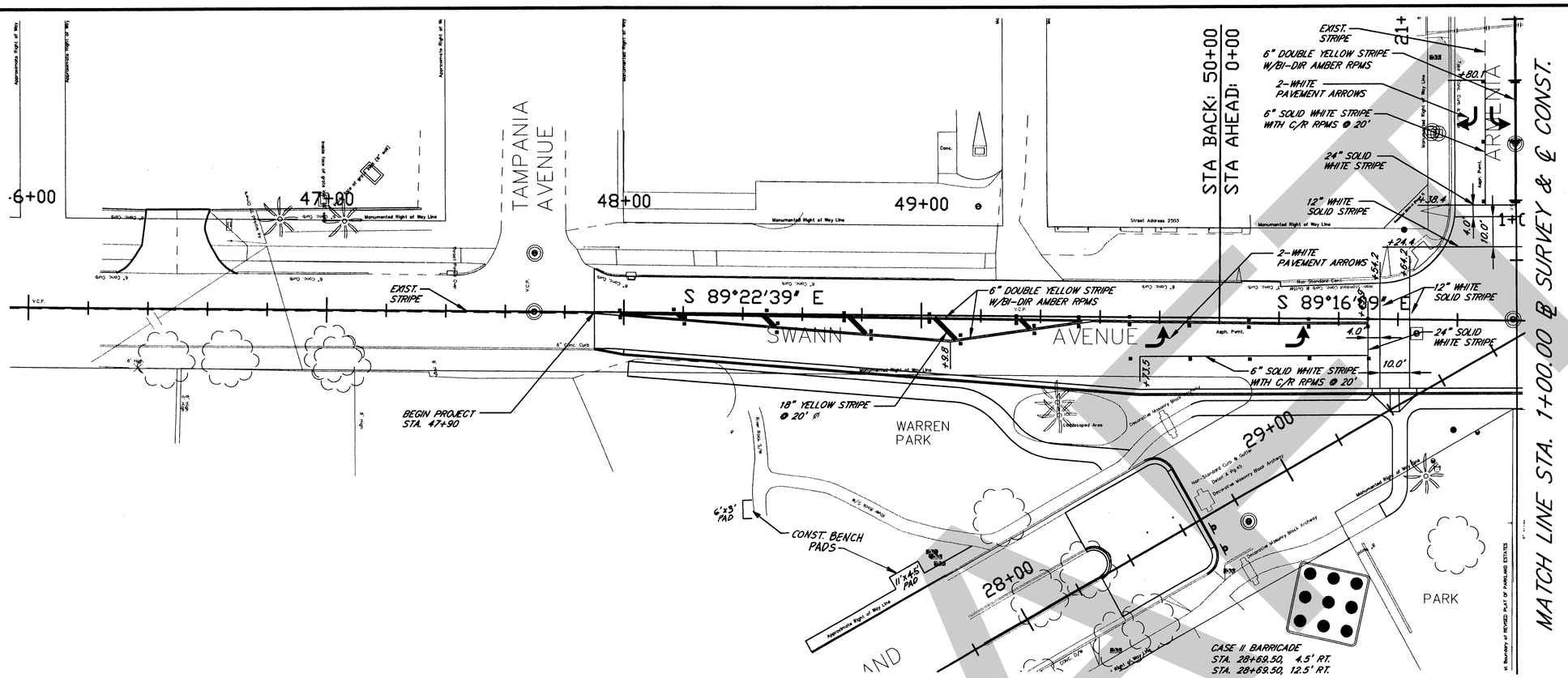
No:	Date:	Revision:	By:
1	2/20/03	REV PER COMMENTS	

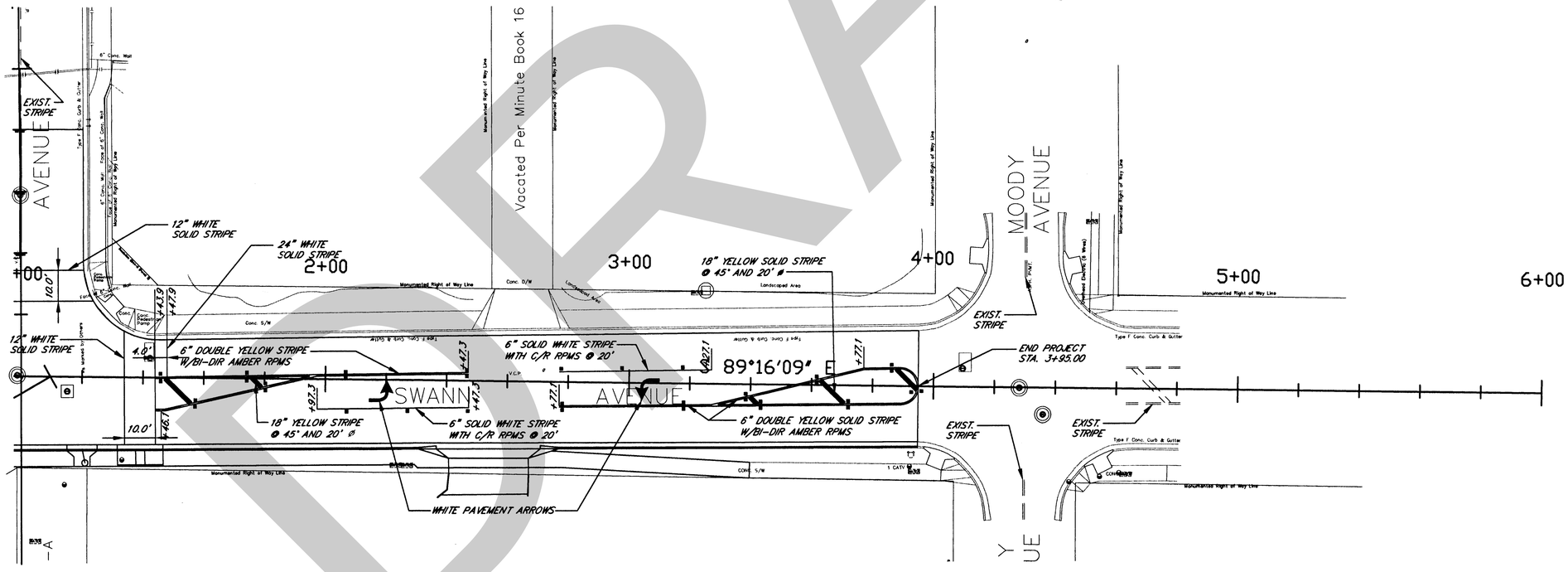
CITY OF TAMPA
DEPARTMENT OF PUBLIC WORKS
TRANSPORTATION DIVISION

SWANN AVENUE
INTERSECTION IMPROVEMENTS
CROSS-SECTIONS

Field Book:
Atlas Sheet:
File No. PW95-45
Job No. 638B
Scale: 1"=5'H,1"=2'V
SHEET 14 OF 16
Index No 226/007

DRAFT





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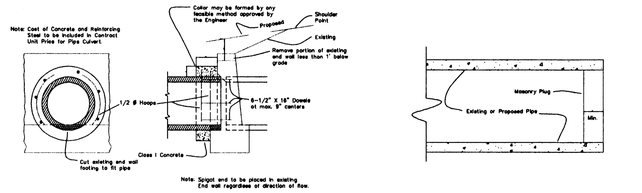
Designed:	Date:					
Checked:	Date:					
Reviewed:	Date:					
Approved:	Date:					
Approved:	Date:	No:	Date:	Revision:		By:

CITY OF TAMPA
DEPARTMENT OF PUBLIC WORKS
TRANSPORTATION DIVISION

SWANN AVENUE INTERSECTION IMPROVEMENTS SIGNING & PAVEMENT MARKING PLAN

Field Book:
Atlas Sheet:
File No. PW95-45
Job No. 638B
Scale: 1"=20'
SHEET 15 OF 16
Index No. 226/007

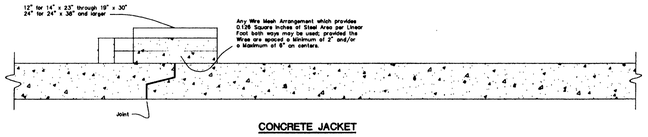
DRAFT



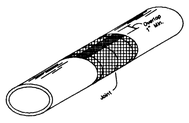
CONCRETE COLLAR FOR EXTENSION OF EXISTING PIPE CULVERTS

PIPE PLUG

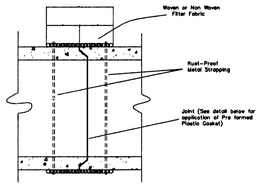
Note: Cost of Masonry Plug Construction and or Removal to be Included in Contract Unit Price for New Pipe.



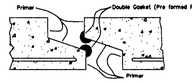
CONCRETE JACKET



ISOMETRIC VIEW



PIPE SECTION

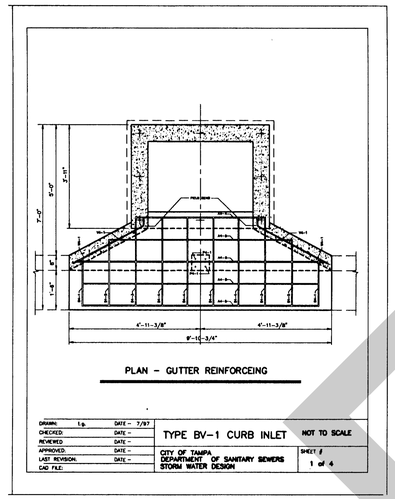


JOINT SECTION (BEFORE PULL-UP)

FILTER FABRIC JACKET

Notes:
1. Only one, either filter fabric or concrete jacket shall be provided at any single joint.
2. Concrete jacket shall be provided at least 1 foot on each side of joint and tall when the pipe is not secured by an end wall. Engineer may specify concrete jacket at other joints if so necessary.
3. Cost of concrete jacket and filter fabric jacket to be included in cost of elliptical pipe culverts.

ELLIPTICAL CONCRETE PIPE JOINTS



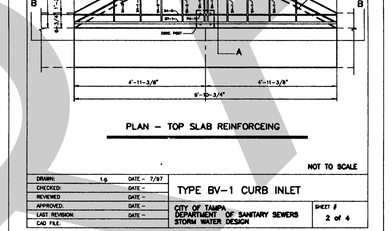
PLAN - GUTTER REINFORCEING

DRAWN: tg	DATE - 7/97	TYPE BV-1 CURB INLET	NOT TO SCALE
CHECKED:	DATE -		
REVIEWED:	DATE -		
APPROVED:	DATE -	CITY OF TAMPA DEPARTMENT OF SANITARY SEWERS STORM WATER DESIGN	SHEET # 1 of 4
LAST REVISION:	DATE -		
CAD FILE:			

MARK	SIZE	NOOF BARS	LENGTH EACH	WT. EA.	TOTAL WEIGHT
A4-4	#4	1	4'-11 1/2"	3.312	3.312
A4-5	#4	1	6'-7"	4.398	4.398
A4-6	#4	3	9'-7 3/4"	6.443	9.329
B4-1	#4	2	2'-9"	1.837	3.674
B4-2	#4	2	3'-7 3/4"	2.435	4.870
B4-3	#4	2	5'-0 3/4"	3.382	6.764
B4-4	#4	3	3'-6 3/4"	2.380	7.140
P4-1	#4	4	1'-3"	0.835	3.340
S4-1	#4	6	5'-3"	3.507	17.535
S4-2	#4	2	2'-11"	1.948	3.896
S4-3	#4	2	1'-2 1/2"	0.807	1.614
S4-6	#4	1	6'-8"	4.453	4.453
S4-7	#4	1	9'-7 1/4"	6.443	6.443
S4-8	#4	2	1'-7 1/2"	1.086	2.172
S4-9	#4	4	4'-1 1/2"	3.312	13.248
S4-10	#4	2	2'-6"	1.670	3.340
S7-2	#7	1	9'-7 3/4"	19.716	19.716
V4-1	#4	2	1'-8 1/2"	1.141	2.282
W4-1	#4	4	3'-6"	2.336	9.352

REINFORCING STEEL

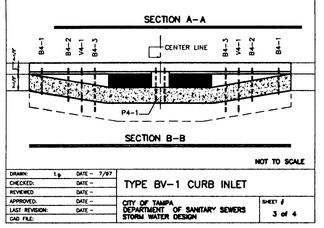
DRAWN: tg	DATE - 7/97	TYPE BV-1 CURB INLET	
CHECKED:	DATE -		
REVIEWED:	DATE -		
APPROVED:	DATE -	CITY OF TAMPA DEPARTMENT OF SANITARY SEWERS STORM WATER DESIGN	SHEET # 4 of 4
LAST REVISION:	DATE -		
CAD FILE:			



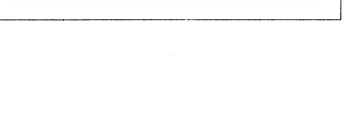
PLAN - TOP SLAB REINFORCEING

NOT TO SCALE

DRAWN: tg	DATE - 7/97	TYPE BV-1 CURB INLET	
CHECKED:	DATE -		
REVIEWED:	DATE -		
APPROVED:	DATE -	CITY OF TAMPA DEPARTMENT OF SANITARY SEWERS STORM WATER DESIGN	SHEET # 2 of 4
LAST REVISION:	DATE -		
CAD FILE:			



SECTION A-A



SECTION B-B

NOT TO SCALE

DRAWN: tg	DATE - 7/97	TYPE BV-1 CURB INLET	
CHECKED:	DATE -		
REVIEWED:	DATE -		
APPROVED:	DATE -	CITY OF TAMPA DEPARTMENT OF SANITARY SEWERS STORM WATER DESIGN	SHEET # 3 of 4
LAST REVISION:	DATE -		
CAD FILE:			

DRAFT

NAME: J:\JN\638b\dwg\DETAILS.dwg

Drawn: JMK	Date: 4/02						CITY OF TAMPA DEPARTMENT OF PUBLIC WORKS TRANSPORTATION DIVISION
Designed:	Date:						SWANN AVENUE INTERSECTION IMPROVEMENTS DETAILS
Checked:	Date:						Field Book:
Reviewed:	Date:						Atlas Sheet:
Approved:	Date:						File No. PW95-45
Approved:	Date:	No:	Date:	Revision:	By:		Job No. 638B
							Scale: n/a
							SHEET 16 OF 16

Index No. 226/007

Q.23 South Tampa Area Reclaimed Project Contract D4 – Hyde Park/Palma Ceia

DRAFT

FOR CONTINUATION SEE SHEET 25 (D6)

FOR CONTINUATION SEE SHEET 36 (E5)

FOR CONTINUATION SEE SHEET 38 (E7)

FOR CONTINUATION SEE SHEET 48 (F6)

PROPOSED 12" RECLAIMED WATER MAIN

PROPOSED 4" RECLAIMED WATER MAIN

PROPOSED 12" RECLAIMED WATER MAIN

INSTALL:
2 - 12" 45° BENDS

DEPTH= 3.1'
E/P TIE= N/A

DEPTH= 3'
E/P TIE= N/A

220 LF
12" RECLAIMED WM

INSTALL:
1 - 12" x 4" TEE
1 - 4" GATE VALVE

2418 W SWANN AVE
SERVICE

DEPTH= 3'
E/P TIE= 11'

DEPTH= 3.9'
E/P TIE= 11'

#93119655
PARKS DEPT
2405 W. PARKLAND BLVD.
1" SERVICE

#3115945
PARKS DEPT
2405 W. PARKLAND BLVD.
1" SERVICE

610 LF
8" RECLAIMED WM

2501
W FOUNTAIN BLVD.
¾" SERVICE

PROPOSED 8"
RECLAIMED WATER MAIN

2503
W. FOUNTAIN BLVD.
¾" SERVICE

PROPOSED 8"
RECLAIMED WATER MAIN

264 LF
12" RECLAIMED WM

2402
W PARKLAND BLVD
¾" SERVICE

2404
W PARKLAND BLVD
¾" SERVICE

2406
W PARKLAND BLVD
¾" SERVICE

PROPOSED 2"
RECLAIMED WATER MAIN

250 LF
2" RECLAIMED WM

DEPTH= 6'
E/P TIE= 4'

DEPTH= 5'
E/P TIE= 4'

DEPTH= 8'
E/P TIE=

DEPTH=
E/P TIE= 4'

DEPTH= 8.6'
E/P TIE=

DEPTH= 4.1'
E/P TIE= 11'

DEPTH= 3.8'
E/P TIE= 11'

DEPTH= 3.7'
E/P TIE= 11'

706 S MOODY AVE
¾" SERVICE

INSTALL:
1 - 8" 45° BEND
1 - 8" 11 1/4° BEND
8" TEE
8" GATE VALVES

INSTALL:
1 - 12" TEE
1 - 12" x 8" REDUCER

INSTALL:
1 - 12" 22 1/2° BEND
1 - 12" 11 1/4° BEND

INSTALL:
- 2" BLOW-OFF ASSEMBLY

GRAPHIC SCALE
SCALE: 1" = 40'

38864289
PARK'S DEPT
2512 PARKLAND BLVD.
1" SERVICE

DEPTH= 5.1'
E/P TIE= 8'

510 LF
8" RECLAIMED WM

DEPTH= 5.3'
E/P TIE= 8'

DEPTH= 6'
E/P TIE= 8'

*2512 W
PARKLAND
BLVD
3/4" SERVICE

PROPOSED 8"
RECLAIMED WATER MAIN

DEPTH= 6'
E/P TIE= 9'

DEPTH= 6'
E/P TIE= 10'

805
S LAKEVIEW RD
¾" SERVICE

807
S LAKEVIEW RD
¾" SERVICE

PROPOSED 12"
RECLAIMED WATER MAIN

632 LF
12" RECLAIMED WM

2507 EDGEWOOD RD
¾" SERVICE

INSTALL:
1 - 12" x 4" TEE
4" GATE VALVE
4" 11 1/4° BEND
4" 22 1/2° BEND

2513 EDGEWOOD RD
¾" SERVICE

510 LF
4" RECLAIMED WM

DEPTH= 5.3'
E/P TIE= N/A

DEPTH= 5'
E/P TIE= 6'

810 S LAKEVIEW RD
¾" SERVICE

* 812 S
LAKEVIEW RD
3/4" SERVICE

PROPOSED 12"
RECLAIMED WATER MAIN

2519
EDGEWOOD RD
1" SERVICE

DEPTH= 4.7'
E/P TIE= 6'

DEPTH= 4.7'
E/P TIE= 7'

2506 EDGEWOOD RD
1" SERVICE

DEPTH= 4.6'
E/P TIE= 7'

PROPOSED 4"
RECLAIMED WATER MAIN

DEPTH= 3'
E/P TIE= 5'

DEPTH= 4.1'
E/P TIE= 6'

FOUNTAIN BLVD.

PARKLAND BLVD.

EDGEWOOD RD.

LAKEVIEW RD.

MOODY AVE.

NORTH

ASPH

DIRT

CONC

BRK

ASP

FORESIGHT SURVEYORS, INC.
HYDROGRAPHIC, LAND & CONSTRUCTION SURVEYING
14961-B 58th STREET NORTH, CLEARWATER, FLORIDA 33760
PH. (727) 539-7196 FAX (727) 539-0888 LB No.: 5776

SHEET 35 OF 87	PROJ MAN: TDF	DRAWN BY: FTM	CHECKED BY: BRW
FSI PROJ. NO.: 11166	FB 664, PGs 1- FB 667, PGs 1-		

NOTES, "CERTIFIED TO" NAME, AND SIGNA

REVISED PER (

DD/MON/YEAR/HRMIN $$$$

FOR CONTINUATION SEE SHEET 26 (D7)

SWANN AVE.

SWANN AVE.

HOWARD AVE.

ALBANY AVE.

ALBANY AVE.

2302 W SWANN AVE
3/4" SERVICE

DEPTH= 9'
E/P TIE= 3'

DEPTH= 10'
E/P TIE= 7'

DEPTH= 7'
E/P TIE= 5'

PROPOSED 4"
RECLAIMED WATER MAIN

DEPTH= 5.4'
E/P TIE= 6'

1030 LF
4" RECLAIMED WM

DEPTH= 4.3'
E/P TIE= 5'

DEPTH= 3'
E/P TIE= 4'

DEPTH= 3'
E/P TIE= 3'

DEPTH=
E/P TIE= 3'

DEPTH= 4.1'
E/P TIE= 3'

DEPTH= 5'
E/P TIE= 4'

* 807
HOWARD AVE
3/4" SERVICE

PROPOSED 4"
RECLAIMED WATER MAIN

DEPTH= 5'
E/P TIE= 4'

FOR CONTINUATION SEE SHEET 37 (E6)

FOR CONTINUATION SEE SHEET 39 (E8)

FOR CONTINUATION SEE SHEET 49 (F7)

SOUTH CROSSTOWN EXPRESSWAY (S.R. 618)

NORTH

0 20 40 80
GRAPHIC SCALE
SCALE: 1" = 40'

DRAFT

FORESIGHT SURVEYORS, INC.
HYDROGRAPHIC, LAND & CONSTRUCTION SURVEYING
14561-B 58th STREET NORTH, CLEARWATER, FLORIDA 33760
PH. (727) 539-7196 FAX (727) 539-0888 LB No.: 5776

SHEET 36 OF 87	PROJ MAN: TDF	DRAWN BY: FTM	CHECKED BY: BRW
FSI PROJ. NO.: 11166	FB 664, PGs 1-76 FB 667, PGs 1-22	FIELD DATE: 10/13/04	SCALE: AS NOTED

NOTES, "CERTIFIED TO" NAME, AND SIGNATURE FROM FORESIGHT SURVEYORS, INC. ARE ON SHEET 1 OF 87.

PBS&J
POST, BUCKLEY, SCHUH & JERNIGAN, INC.

5300 WEST CYPRESS STREET
SUITE 300
TAMPA, FLORIDA 33607
PH. (813) 282-7275

POST BUCKLEY SCHUH & JERNIGAN, INC. (DBA PBSJ)
2001 N.W. 107TH AVENUE, DORAL, FL. 33172-2507
FBPE CERTIFICATE OF AUTHORIZATION NO.: 04

DESIGNED BY:	ABR / EFP	DATE:	03-21-02
DRAWN BY:	ABR	DATE:	03-21-02
CHECKED BY:	EFP	DATE:	03-21-02
Q.C.:	KEW	DATE:	03-21-02

ORIGINAL: MARCH, 2002
REVISIONS:
1
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5

CITY OF TAMPA FLORIDA
DEPARTMENT OF SANITARY SEWERS

DDMONYEAR$HRMIN $$$$$$$$$$$$$$$$$$$$$$FILE$SPECIFICATION$$$$$$$$$$$$$$$$$$$$$$

SOUTH TAMPA AREA RECLAIMED PROJECT
CONTRACT D4 - HYDE PARK / PALMA CEIA

PLAN SHEET

PROJECT No.

DRAWING No. E7

SHEET No. 38

RC0088

FOR CONTINUATION SEE SHEET 37 (E6)

FOR CONTINUATION SEE SHEET 47 (F5)

FOR CONTINUATION SEE SHEET 49 (F7)

FOR CONTINUATION SEE SHEET 59 (G6)

70 LF 12" RECLAIMED WM

PROPOSED 12" RECLAIMED WATER MAIN

PROPOSED 8" RECLAIMED WATER MAIN

INSTALL:
1 – 12" x 8" TEE
1 – 12" GATE VALVE
1 – 8" GATE VALVE

2514 EDGEWOOD RD ¾" SERVICE

2513 EDGEWOOD RD ¾" SERVICE

2507 W SIMMS BLVD 1" SERVICE

2511 W SIMMS BLVD ¾" SERVICE

BRISTOL AVENUE

LAKEVIEW RD.

SIMMS BLVD.

410 LF 8" RECLAIMED WM

#3980464 PARKS DEPT 2501 W. SIMMS BLVD 1" SERVICE

INSTALL:
1 – 12" x 8" TEE
1 – 8" 11 1/4" BEND
1 – 8" 22 1/2" BEND
1 – 8" GATE VALVE

2404 W BRISTOL AVE ¾" SERVICE

526 LF 8" RECLAIMED WM

904 S LAKEVIEW RD ¾" SERVICE

449 LF 12" RECLAIMED WM

*2504 SIMMS BLVD. 3/4" SERVICE

906 LAKEVIEW RD. 3/4" SERVICE

2514 W SIMMS BLVD ¾" SERVICE

2512 W SIMMS BLVD ¾" SERVICE

2508 W SIMMS BLVD ¾" SERVICE

2502 W SIMMS BLVD ¾" SERVICE

INSTALL:
1 – 8" GATE VALVE

PROPOSED 12" RECLAIMED WATER MAIN

2317 W BRISTOL AVE ¾" SERVICE

2311 W BRISTOL AVE ¾" SERVICE

2309 W BRISTOL AVE ¾" SERVICE

2307 W BRISTOL AVE ¾" SERVICE

*2305 BRISTOL AVE. 3/4" SERVICE

2303 W BRISTOL AVE ¾" SERVICE

2301 W BRISTOL AVE ¾" SERVICE

390 LF 8" RECLAIMED WM

#9317553 PARKS DEPT 2311 W. BRISTOL AVE. ¾" SERVICE

INSTALL:
2 – 8" 22 1/2° BENDS

2318 W BRISTOL AVE ¾" SERVICE

2316 W BRISTOL AVE ¾" SERVICE

2314 W BRISTOL AVE ¾" SERVICE

2312 W BRISTOL AVE ¾" SERVICE

2306 W BRISTOL AVE ¾" SERVICE

2304 W BRISTOL AVE ¾" SERVICE

GRAPHIC SCALE
0 20 40 80
SCALE: 1" = 40'

2401 W. MORRISON 3/4" SERVICE

2405 W MORRISON AVE ¾" SERVICE

2503 W MORRISON AVE ¾" SERVICE

2501 W MORRISON AVE ¾" SERVICE

PROPOSED 4" RECLAIMED WATER MAIN

INSTALL:
1 – 4" GATE VALVE

PROPOSED 2" RECLAIMED WATER MAIN

#9410266 PARKS DEPT 2410 W. MORRISON AVE. ¾" SERVICE

INSTALL:
1 – 12" 90° BEND
1 – 12" GATE VALVE
1 – 2" TAP
1 – 2" GATE VALVE

PROPOSED 2" RECLAIMED WATER MAIN

INSTALL:
1 – 2" TEE
1 – 2" GATE VALVE

2311 W MORRISON AVE ¾" SERVICE 1"

PROPOSED 2" RECLAIMED WATER MAIN

MORRISON AVE.

MORRISON AVENUE

710 LF 4" RECLAIMED WM

INSTALL:
1 – 12" x 4" TEE
1 – 4" GATE VALVE
1 – 12" 90° BEND

2514 W MORRISON AVE ¾" SERVICE

2512 W MORRISON AVE ¾" SERVICE

2510 W MORRISON AVE ¾" SERVICE

2508 W MORRISON AVE ¾" SERVICE

2414 W MORRISON AVE ¾" SERVICE

2412 W MORRISON AVE ¾" SERVICE

2410 W MORRISON AVE ¾" SERVICE

90 LF 2" RECLAIMED WM

68 LF 12" RECLAIMED WM

306 LF 2" RECLAIMED WM

247 LF 2" RECLAIMED WM

ARMENIA AVE.

2406 W MORRISON AVE ¾" SERVICE

MOODY

PROPOSED 12" RECLAIMED WATER MAIN

PROPOSED 2" RECLAIMED WATER MAIN

NORTH

DEPTH= 3' E/P TIE= 2'
DEPTH= 4' E/P TIE= 9'
DEPTH= 5' E/P TIE= 10'
DEPTH= 3' E/P TIE= 12'
DEPTH= 5.2' E/P TIE= 6'
DEPTH= 4' E/P TIE= 6'
DEPTH= 3' E/P TIE= 6'
DEPTH= 6' E/P TIE= 11'
DEPTH= 7.8' E/P TIE= 6'
DEPTH= 4.8' E/P TIE= 13'
DEPTH= 4.7' E/P TIE= 4'
DEPTH= 5' E/P TIE= 2'
DEPTH= 3' E/P TIE= 4'
DEPTH= 4.1' E/P TIE= 13'
DEPTH= 3' E/P TIE= 3'
DEPTH= 7' E/P TIE= 4'
DEPTH= 5' E/P TIE= 3'
DEPTH= 4.1' E/P TIE= 4'
DEPTH= 4.7' E/P TIE= 11'
DEPTH= 5.5' E/P TIE= 11'
DEPTH= 3' E/P TIE= 10'
DEPTH= 3.9' E/P TIE= 10'
DEPTH= 4.5' E/P TIE= 5'
DEPTH= 3' E/P TIE= 4'
DEPTH= 4.4' E/P TIE= 7'
DEPTH= 2.5' E/P TIE= 10'

FORESIGHT SURVEYORS, INC.
HYDROGRAPHIC, LAND & CONSTRUCTION SURVEYING
14561-B 58th STREET NORTH, CLEARWATER, FLORIDA 33760
PH. (727) 539-7196 FAX (727) 539-0888 LB No.: 5776

SHEET 46 OF 87	PROJ MAN: TDF	DRAWN BY: FTM	CHECKED BY: BRW
FSI PROJ. NO.: 11166	FB 664, PGs 1–76 FB 667, PGs 1–22	FIELD DATE: 10/13/04	SCALE: AS NOTED

NOTES, "CERTIFIED TO" NAME, AND SIGNATURE FROM FORESIGHT SURVEYORS, INC. ARE ON SHEET 1 OF 87.
REVISED PER CLIENTS COMMENTS ON 11/9/04

DDMONYEAR$NRMIN $$$$$$$$$$$$$$$$$$$$$$FILES$SPECIFICATION$$$$$$$$$$$$$$$$$$$$$$$$

PBS&J
POST, BUCKLEY, SCHUH & JERNIGAN, INC.
5300 WEST CYPRESS STREET
SUITE 300
TAMPA, FLORIDA 33607
PH. (813) 282-7275
POST BUCKLEY SCHUH & JERNIGAN, INC. DBA PBS&J
3201 N.W. 13TH AVENUE, #205, FL. 33170-2997
FBPE CERTIFICATE OF AUTHORIZATION NO. 24

DESIGNED BY: ABR / EFP DATE: 03-21-02
DRAWN BY: AER DATE: 03-21-02
CHECKED BY: EFP DATE: 03-21-02
Q.C.: KEW DATE: 03-21-02

ORIGINAL: MARCH, 2002
REVISIONS:
1
2
3
4
5

CITY OF TAMPA FLORIDA
DEPARTMENT OF SANITARY SEWERS

SOUTH TAMPA AREA RECLAIMED PROJECT
CONTRACT D4 - HYDE PARK / PALMA CEIA

PLAN SHEET

PROJECT No.
DRAWING No. F6
SHEET No. 48

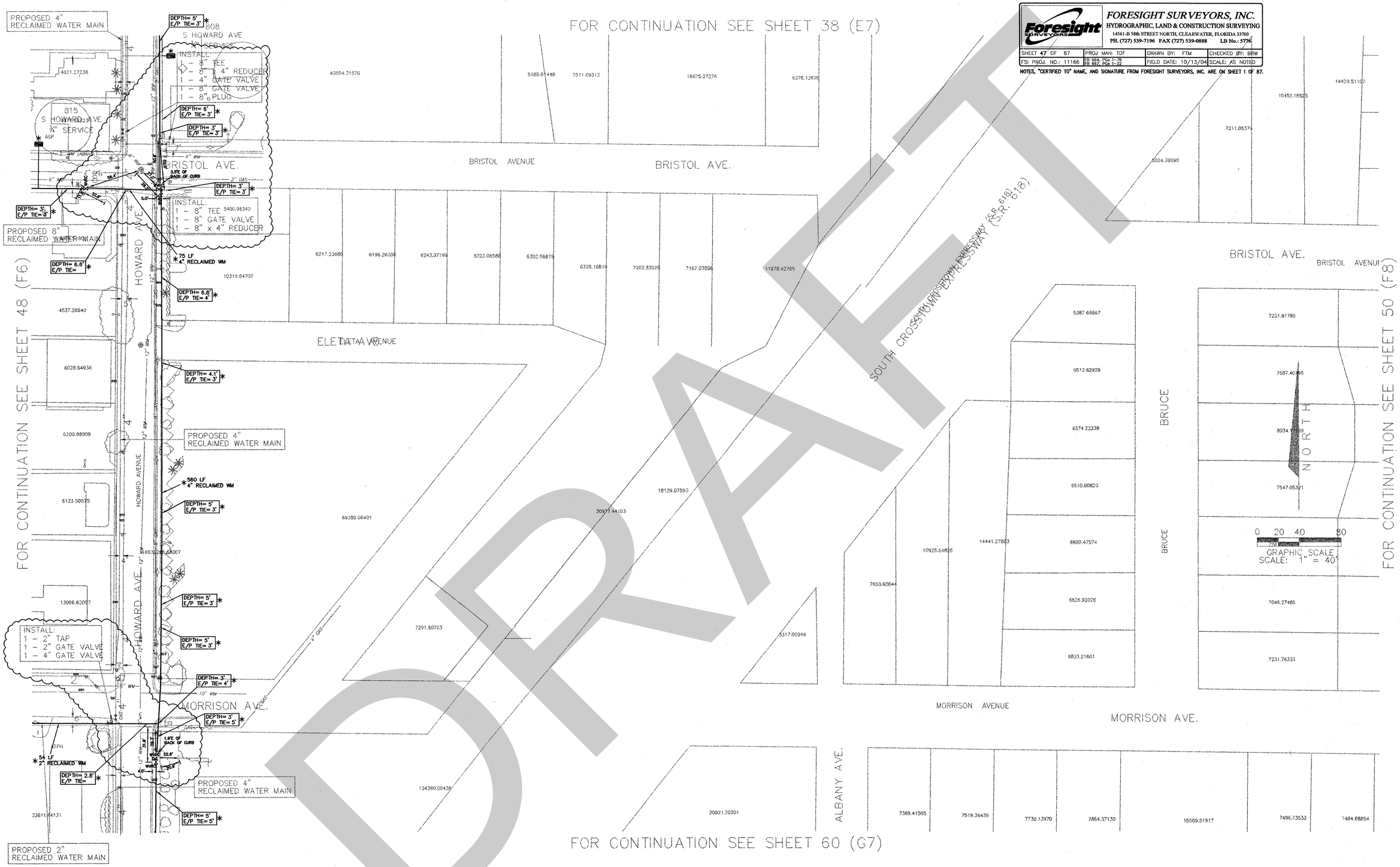
RC0098

DRAFT

FORESIGHT SURVEYORS, INC.
HYDROGRAPHIC, LAND & CONSTRUCTION SURVEYING
14561-B 58th STREET NORTH, CLEARWATER, FLORIDA 33760
PH. (727) 539-7196 FAX (727) 539-0888 LB No.: 5776

SHEET 47 OF 87	PROJ MAN: TDF	DRAWN BY: FTM	CHECKED BY: BRW
FSI PROJ. NO.: 11166	FB 664, PGs 1-76 FB 667, PGs 1-22	FIELD DATE: 10/13/04	SCALE: AS NOTED

NOTES, "CERTIFIED TO" NAME, AND SIGNATURE FROM FORESIGHT SURVEYORS, INC. ARE ON SHEET 1 OF 87.



PBS&J
POST, BUCKLEY, SCHUH & JERNIGAN, INC.
5300 WEST CYPRESS STREET
SUITE 300
TAMPA, FLORIDA 33607
PH. (813) 282-7275
POST BUCKLEY SCHUH & JERNIGAN, INC. d/b/a PBS&J
2001 N.E. FIFTH AVENUE, MIAMI, FL. 33173-3007
FIRM CERTIFICATE OF AUTHORIZATION NO. 24

DESIGNED BY:	ABR / EFP	DATE: 03-21-02
DRAWN BY:	ABR	DATE: 03-21-02
CHECKED BY:	EFP	DATE: 03-21-02
Q.C.:	KEW	DATE: 03-21-02

ORIGINAL: MARCH, 2002
REVISIONS:
1
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CITY OF TAMPA FLORIDA
DEPARTMENT OF SANITARY SEWERS

DDMONYEAR$HRMIN $$$$$$$$$$$$$$$$$$$$$$$$FILE$SPECIFICATION$$$$$$$$$$$$$$$$$$$$$$$$

SOUTH TAMPA AREA RECLAIMED PROJECT
CONTRACT D4 - HYDE PARK / PALMA CEIA

PLAN SHEET

PROJECT No.
DRAWING No. F7
SHEET No. 49

RC0099

FOR CONTINUATION SEE SHEET 48 (F6)

FOR CONTINUATION SEE SHEET 58 (G5)

FOR CONTINUATION SEE SHEET 60 (G7)

FOR CONTINUATION SEE SHEET 69 (H6)

DRAFT

NORTH

GRAPHIC SCALE
SCALE: 1" = 40'
0 20 40 80

*2521 W. JETTON AVE. 3/4" SERVICE
2519 W JETTON AVE ¾" SERVICE
2517 W JETTON AVE ¾" SERVICE
2515 W JETTON AVE ¾" SERVICE
2511 W JETTON AVE ¾" SERVICE
2507 W JETTON AVE ¾" SERVICE
2503 W JETTON AVE ¾" SERVICE
2522 W JETTON AVE ¾" SERVICE
2520 W JETTON AVE ¾" SERVICE
2518 W JETTON AVE ¾" SERVICE
2514 W JETTON AVE ¾" SERVICE
*2512 W. JETTON AVE 3/4" SERVICE
2510 W JETTON AVE ¾" SERVICE
2506 W JETTON AVE ¾" SERVICE
2504 W JETTON AVE ¾" SERVICE
2502 W JETTON AVE ¾" SERVICE
2412 W JETTON AVE ¾" SERVICE
2410 W JETTON AVE ¾" SERVICE
1007 S MOODY AVE ¾" SERVICE
*1006 S. MOODY AVE. 3/4" SERVICE
1008 S MOODY AVE 3/4" SERVICE
1011 S MOODY AVE ¾" SERVICE
*1010 S. MOODY AVE. 3/4" SERVICE
1002 S MOODY AVE ¾" SERVICE
1005 S MOODY AVE ¾" SERVICE
2423 W WATROUS AVE
2415 W WATROUS AVE 3/4" SERVICE
2413 W WATROUS AVE ¾" SERVICE
2417 W WATROUS AVE ¾" SERVICE
*2401 W. WATROUS AVE. 3/4" SERVICE
2422 W WATROUS AVE ¾" SERVICE
2418 W WATROUS AVE ¾" SERVICE
2416 W WATROUS AVE ¾" SERVICE
2414 W WATROUS AVE ¾" SERVICE
2412 W WATROUS AVE ¾" SERVICE
2410 W WATROUS AVE ¾" SERVICE
2408 W. WATROUS AVE. 3/4" SERVICE
2406 W WATROUS AVE ¾" SERVICE
2402 W. WATROUS AVE. 3/4" SERVICE
2807 W WATROUS AVE ¾" SERVICE
2309 W WATROUS AVE ¾" SERVICE
2425 W SUNSET DR ¾" SERVICE
2423 W SUNSET DR ¾" SERVICE
2421 W SUNSET DR ¾" SERVICE
2419 W SUNSET DR ¾" SERVICE
2415 W SUNSET DR ¾" SERVICE
2413 W SUNSET DR ¾" SERVICE
2409 W SUNSET DR ¾" SERVICE
2407 W SUNSET DR ¾" SERVICE
2405 W SUNSET DR ¾" SERVICE
*2403 SUNSET DR. 3/4" SERVICE
*2401 SUNSET DR. 3/4" SERVICE
2402 W PROSPECT RD ¾" SERVICE
#94118312 PARKS DEPT. 1110 S. MOODY AVE ¾" SERVICE
#93110816 PARKS DEPT. 2402 W. PROSPECT RD. ¾" SERVICE
*249 LF 12" RECLAIMED WM W PROSPECT RD ¾" SERVICE

PROPOSED 4" RECLAIMED WATER MAIN
PROPOSED 12" RECLAIMED WATER MAIN
PROPOSED 2" RECLAIMED WATER MAIN
*540 LF 4" RECLAIMED WM
*62 LF 12" RECLAIMED WM
*180 LF 12" RECLAIMED WM
*280 LF 2" RECLAIMED WM
*290 LF 4" RECLAIMED WM
*506 LF 12" RECLAIMED WM
*341 LF 12" RECLAIMED WM
*600 LF 4" RECLAIMED WM

INSTALL:
1 - 4" GATE VALVE
INSTALL:
1 - 12" TEE
1 - 4" GATE VALVE
1 - 12" 90° BEND
INSTALL:
1 - 12" TEE
12" GATE VALVE
12" x 4" REDUCER
4" GATE VALVE
2" TAP
2" GATE VALVE
INSTALL:
1 - 12" GATE VALVE
1 - 12" TEE
12" 22 1/2° BENDS
1 - 12" PLUG
INSTALL:
1 - 12" x 4" TEE
1 - 12" 11 1/4° BEND
1 - 4" GATE VALVE
1 - 4" 45° BEND

DEPTH= 4.4' E/P TIE= 4'
DEPTH= 4.3' E/P TIE= 4'
DEPTH= 4.4' E/P TIE= 4'
DEPTH= 3.8' E/P TIE= 4'
DEPTH= 3.1' E/P TIE= 6'
DEPTH= 4.7' E/P TIE= 6'
DEPTH= 4.2' E/P TIE= 6'
DEPTH= 4.7' E/P TIE= 4'
DEPTH= 4.7' E/P TIE= 4'
DEPTH= 5.2' E/P TIE= 4'
DEPTH= 3.8' E/P TIE= 5'
DEPTH= 3.7' E/P TIE= 5'
DEPTH= 3.4' E/P TIE= 5'
DEPTH= 3' E/P TIE= 5'
DEPTH= 4.2' E/P TIE= 4'
DEPTH= 3.8' E/P TIE= 8'
DEPTH= 4' E/P TIE= 9'
DEPTH= 3.7' E/P TIE= 5'
DEPTH= 3' E/P TIE=

WATROUS AVE.
JETTON AVE.
SUNSET DR.
PROSPECT RD.
ARMENIA AVE.
MOODY AVE.
CROSSTOWN EXPRESSWAY (S.R. 618)

FORESIGHT SURVEYORS, INC.
HYDROGRAPHIC, LAND & CONSTRUCTION SURVEYING
14561-B 58th STREET NORTH, CLEARWATER, FLORIDA 33760
PH. (727) 539-7196 FAX (727) 539-0888 LB No.: 5776

SHEET 57 OF 87	PROJ MAN: TDF	DRAWN BY: FTM	CHECKED BY: BRW
FSI PROJ. NO.: 11166	FB 666, PGS 1–76 FB 567, PGS 1–22	FIELD DATE: 10/13/04	SCALE: AS NOTED

NOTES, "CERTIFIED TO" NAME, AND SIGNATURE FROM FORESIGHT SURVEYORS, INC. ARE ON SHEET 1 OF 87.
REVISED PER CLIENTS COMMENTS ON 11/9/04

DDMONYEAR$HRMIN $$$$$$$$$$$$$$$$$$$$$$$$$$$$$FILE$SPECIFICATION$$$$$$$$$$$$$$$$$$$$$$$$$$$$$

PBS&J
POST, BUCKLEY, SCHUH & JERNIGAN, INC.
5300 WEST CYPRESS STREET
SUITE 300
TAMPA, FLORIDA 33607
PH. (813) 282-7275
POST BUCKLEY SCHUH & JERNIGAN, INC. (FBPE #6564)
2001 NW 107TH AVENUE, MIAMI, FL 33172-2507
FBPE CERTIFICATE OF AUTHORIZATION NO.: 24

DESIGNED BY:	ABR / EFP	DATE:	03-21-02
DRAWN BY:	ABR	DATE:	03-21-02
CHECKED BY:	EFP	DATE:	03-21-02
Q.C.:	KEW	DATE:	03-21-02

ORIGINAL: MARCH, 2002
REVISIONS:
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2
3
4
5

CITY OF TAMPA FLORIDA
DEPARTMENT OF SANITARY SEWERS

SOUTH TAMPA AREA RECLAIMED PROJECT
CONTRACT D4 - HYDE PARK / PALMA CEIA

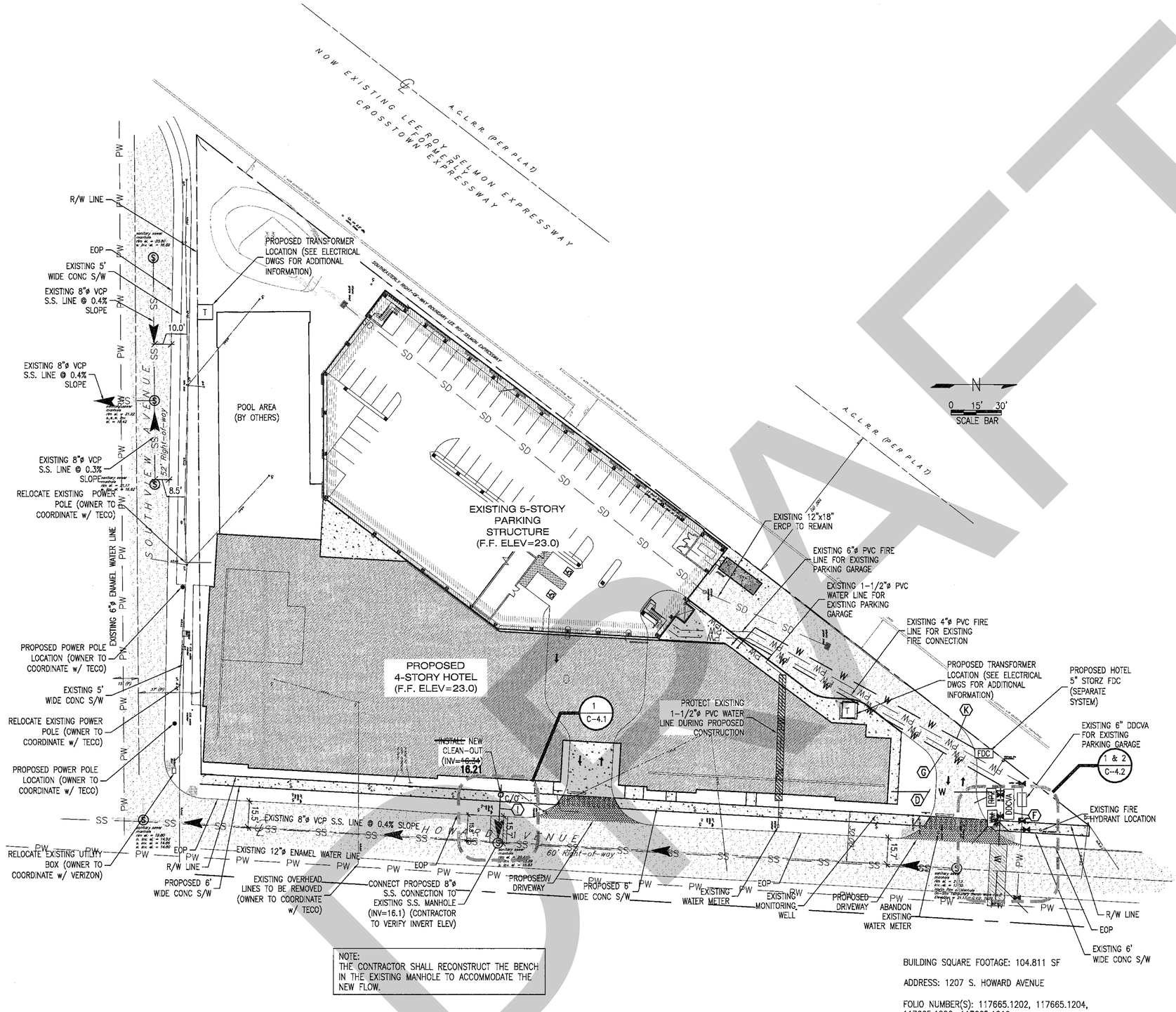
PLAN SHEET

PROJECT No.
DRAWING No. G6
SHEET No. 59

RC0109

Q.24 Epicurean Utilities Plan

DRAFT



NOTE:
THE CONTRACTOR SHALL RECONSTRUCT THE BENCH IN THE EXISTING MANHOLE TO ACCOMMODATE THE NEW FLOW.

BUILDING SQUARE FOOTAGE: 104.811 SF

ADDRESS: 1207 S. HOWARD AVENUE

FOLIO NUMBER(S): 117665.1202, 117665.1204, 117665.1206, 117665.1210

1 C-4.0 UTILITIES PLAN
1"=30'

UTILITY CONSTRUCTION NOTES

WATER & FIRE

(A) INSTALL NEW 3" DOMESTIC WATER METER (C.O.T. TO PROVIDE & INSTALL) THE CONTRACTOR IS TO FURNISH & INSTALL THE METER BOXES. METER DELIVERY & INSTALLATION TO BE COORDINATED THROUGH T.W.D. INSPECTOR (SEE C.O.T. STANDARD DETAILS 6.06, 6.07 & 6.08)

(B) FURNISH & INSTALL REDUCED PRESSURE ZONE ASSEMBLY (RPZ) IN COMPLIANCE WITH: USC MANUAL EIGHTH EDITION; ASSE STND. 1013; AWWA STND. C511; CSA B64.4. INSTALL AT 12" (MIN) ABOVE GRADE.

(C) NOT USED

(D) FURNISH & INSTALL 65 LF (±) OF 4"ø PVC (PER ASTM D22 41 (LATEST REVISION), CLASS 1120 OR CLASS 1220 (SDR 21), AWWA C-900) WATER LINE (BLUE P.E. TUBING). CONNECT TO RPZ AND TO BUILDING'S PLUMBING SYSTEM.

(E) FURNISH & INSTALL 48 LF (±) OF 8"ø D.I.P. & CONNECT TO 8" DDCVA (DOUBLE DETECTOR CHECK VALVE ASSEMBLY) (SEE SHEET C-4.2 FOR ADDITIONAL INFORMATION)

(F) FURNISH & INSTALL NEW 8" DDCVA (DOUBLE DETECTOR CHECK VALVE ASSEMBLY) (SEE C.O.T. STANDARD DETAILS 6.06, 6.07 & 6.08) (SEE SHEET C-4.2 FOR ADDITIONAL INFORMATION)

(G) INSTALL 180 LF (±) (TOTAL) 6"ø CPVC FIRELINE (PRIVATE SIDE). CONNECT TO DDCVA & RISER

(H) DENOTES FIRE SPRINKLER RISER (SEE FIRE SPRINKLER SYSTEM DRAWINGS FOR ADDITIONAL INFORMATION)

(K) FURNISH & INSTALL 170 LF (±) (TOTAL) 4"ø CPVC FIRELINE (PRIVATE SIDE). CONNECT TO RISER & PROPOSED 5" STORZ FDC

SANITARY SEWER

(I) ~~FURNISH & INSTALL~~ 30 LF (±) OF 8"ø PVC (PER ASTM D 3034, SDR 35 OR SDR 26) SS LINE (COLOR CODED GREEN) @ ~~0.6%~~ SLOPE (MIN) CONNECT TO PROPOSED CLEAN-OUT & EXISTING SS MANHOLE **0.4%**

(J) NOT USED

LEGEND/KEY

WATER LINE	— W — W —	SANITARY SEWER MANHOLE	Ⓢ
SANITARY SEWER LINE	— SS — SS —	CLEAN OUT	C/O
WATER METER	WM	DIRECTIONAL FLOW ARROW	➤
REDUCED PRESSURE ZONE ASSEMBLY	RPZ	DOUBLE DETECTOR CHECK VALVE ASSEMBLY	DDCVA

AS-BUILT

REVISIONS	
2	10/17/12 W.WATER COMMENTS
3	01/22/13 WATER COMMENTS
4	05/07/13 ADDED FDC LINE
5	09/05/13 REVISED S.S. LINE

EPICUREAN

1207 S. HOWARD AVENUE TAMPA, FL

UTILITIES PLAN

PROJ. #: 98-041.77
NAME: EPICUREAN
DATE: 07/26/2012
DRAWN BY: JR
PRJT. MNGR.: JR

JAMES MATTHEW RAGUCKAS LICENSE NO. 63820 STATE OF FLORIDA PROFESSIONAL ENGINEER
9/5/2013 DATE

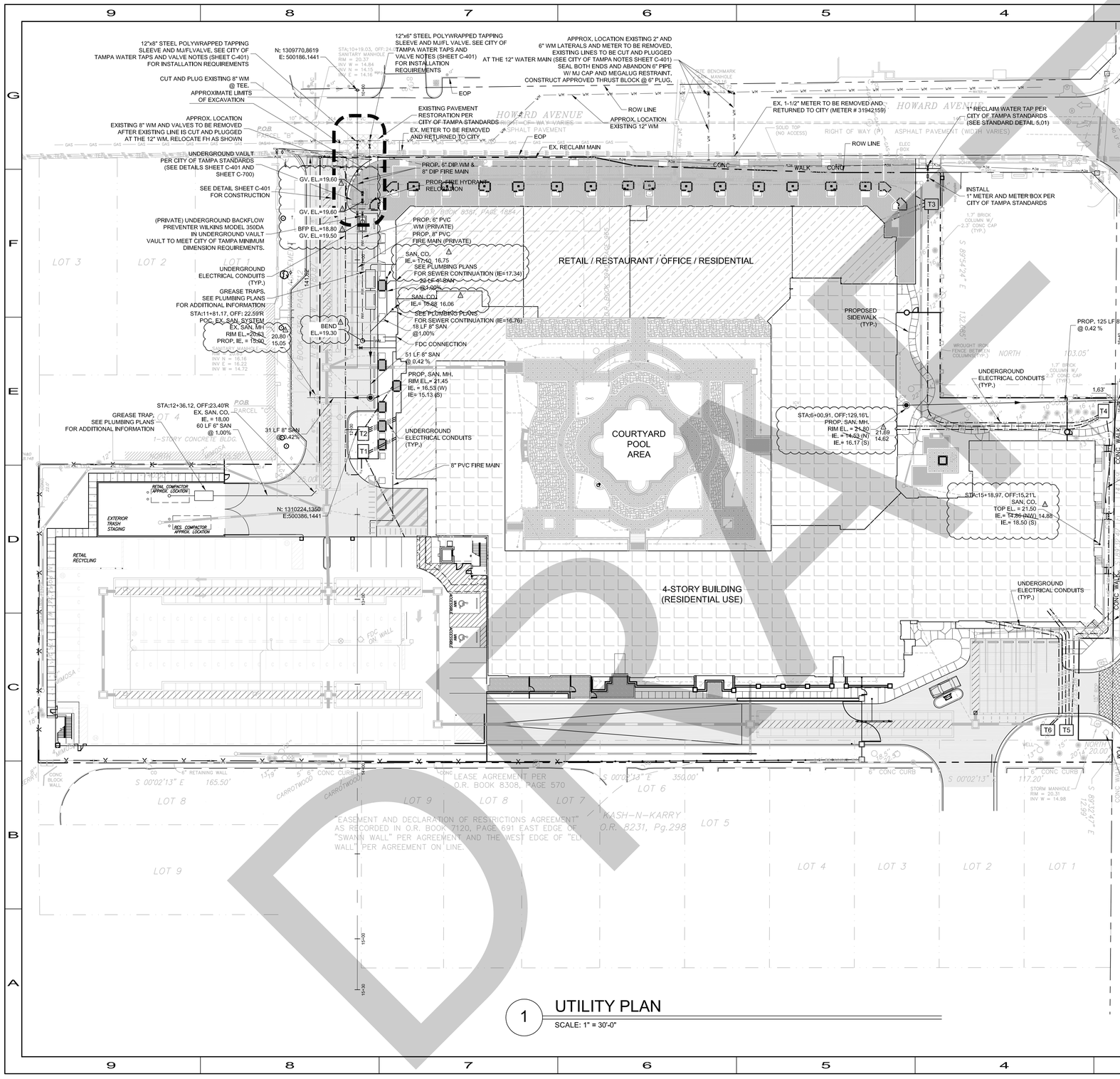
Catalano Engineering, Inc.
CIVIL - STRUCTURAL - MARINE
120 SOUTH EDISON AVE. TAMPA, FL 33606
(813) 254-1205 CERTIFICATE NO. 5828

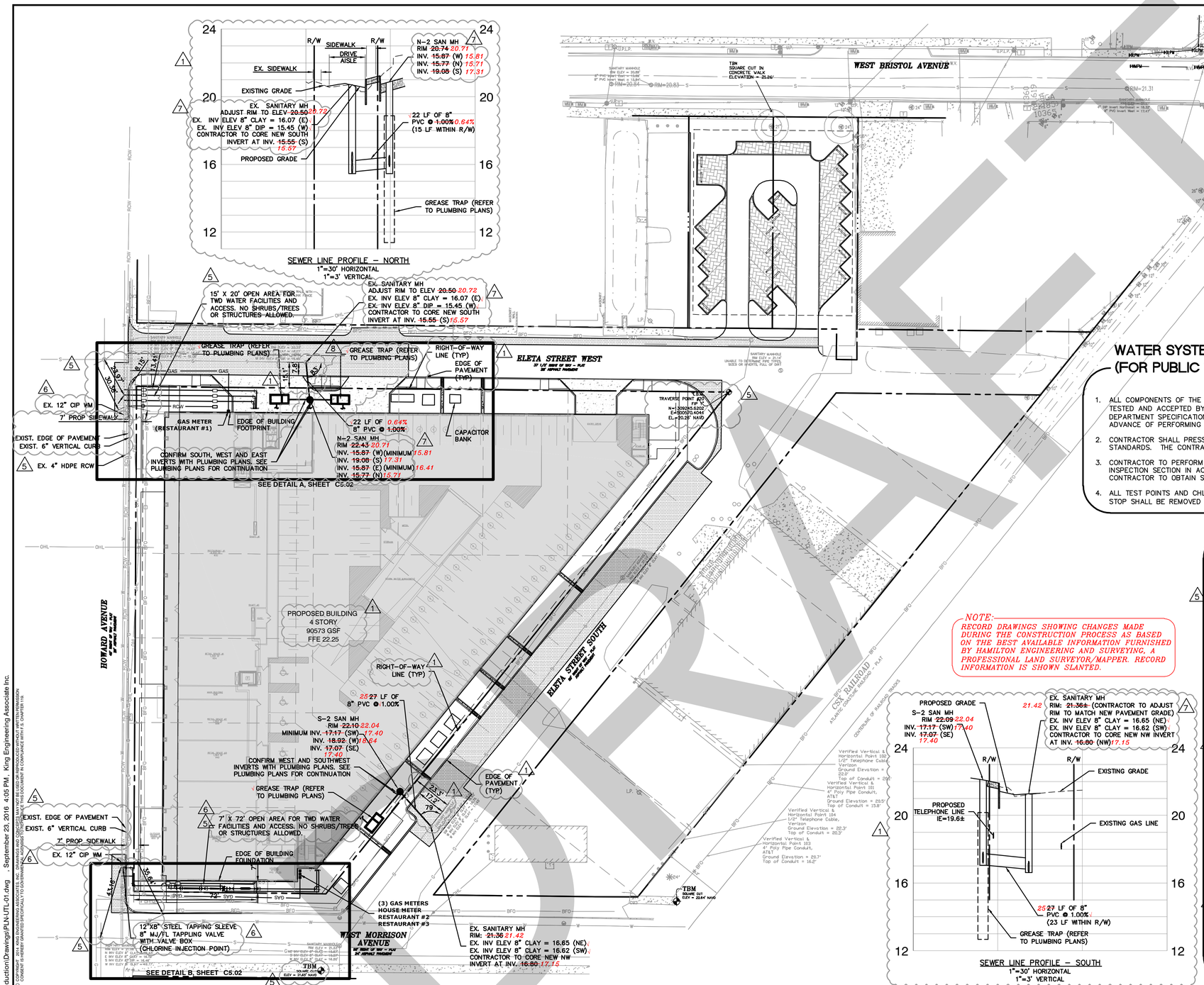
SHEET # C-4.0

2014-129

Q.25 SOHO Square Apartments

DRAFT


12"x8" STEEL POLYWRAPPED TAPPING SLEEVE AND MJ/FLVALVE, SEE CITY OF TAMPA WATER TAPS AND VALVE NOTES (SHEET C-401) FOR INSTALLATION REQUIREMENTS
CUT AND PLUG EXISTING 8" WM @ TEE.
APPROXIMATE LIMITS OF EXCAVATION
APPROX. LOCATION EXISTING 8" WM AND VALVES TO BE REMOVED AFTER EXISTING LINE IS CUT AND PLUGGED AT THE 12" WM, RELOCATE FH AS SHOWN
UNDERGROUND VAULT PER CITY OF TAMPA STANDARDS (SEE DETAILS SHEET C-401 AND SHEET C-700)
SEE DETAIL SHEET C-401 FOR CONSTRUCTION
(PRIVATE) UNDERGROUND BACKFLOW PREVENTER WILKINS MODEL 350DA IN UNDERGROUND VAULT VAULT TO MEET CITY OF TAMPA MINIMUM DIMENSION REQUIREMENTS.
UNDERGROUND ELECTRICAL CONDUITS (TYP.)
GREASE TRAPS, SEE PLUMBING PLANS FOR ADDITIONAL INFORMATION
STA:11+81.17, OFF: 22.59'R
POC, EX. SAN. SYSTEM
EX. SAN. MH RIM EL.=20.43 PROP. IE. = 15.90
BEND EL=19.30
20.80'
15.05'
STA:12+36.12, OFF:23.40'R
GREASE TRAP; SEE PLUMBING PLANS FOR ADDITIONAL INFORMATION
EX. SAN. CO. IE. = 18.00
60 LF 6" SAN @ 1.00%
31 LF 8" SAN @ 0.42%
N: 1309770.8619
E: 500186.1441
STA:10+19.03, OFF: 24.00'L
SANITARY MANHOLE
RIM = 20.37
INV W = 14.84
INV N = 14.15
INV E = 14.16
12"x6" STEEL POLYWRAPPED TAPPING SLEEVE AND MJ/FL VALVE. SEE CITY OF TAMPA WATER TAPS AND VALVE NOTES (SHEET C-401) FOR INSTALLATION REQUIREMENTS
EOP
EXISTING PAVEMENT RESTORATION PER CITY OF TAMPA STANDARDS
EX. METER TO BE REMOVED AND RETURNED TO CITY
APPROX. LOCATION EXISTING 6" DIP WM
APPROX. LOCATION EXISTING 2" AND 6" WM LATERALS AND METER TO BE REMOVED. EXISTING LINES TO BE CUT AND PLUGGED AT THE 12" WATER MAIN (SEE CITY OF TAMPA NOTES SHEET C-401) SEAL BOTH ENDS AND ABANDON 6" PIPE W/ MJ CAP AND MEGALUG RESTRAINT. CONSTRUCT APPROVED THRUST BLOCK @ 6" PLUG.
ROW LINE
EX. 1-1/2" METER TO BE REMOVED AND RETURNED TO CITY (METER # 31942159)
1" RECLAIM WATER TAP PER CITY OF TAMPA STANDARDS (SEE STANDARD DETAIL 5.01)
EX. RECLAIM MAIN
PROP. 6" DIP WM & 8" DIP FIRE MAIN
PROP. FIRE HYDRANT RELOCATION
INSTALL 1" METER AND METER BOX PER CITY OF TAMPA STANDARDS
HOWARD AVENUE
RIGHT OF WAY (R) ASPHALT PAVEMENT (WIDTH VARIES)
SOLID TOP (NO ACCESS)
ELEC BOX
CONC WALK
CONC
O.R. BOOK 8308, PAGE 1954
PROP. 6" PVC WM (PRIVATE)
PROP. 8" PVC FIRE MAIN (PRIVATE)
SAN. CO. IE.= 17.40, 16.75
SEE PLUMBING PLANS FOR SEWER CONTINUATION (IE=17.34)
22 LF 4" SAN @2.00%
SAN. CO. IE.= 16.82, 16.06
SEE PLUMBING PLANS FOR SEWER CONTINUATION (IE=16.76)
18 LF 8" SAN @1.00%
FDC CONNECTION
51 LF 6" SAN @ 0.42 %
PROP. SAN. MH. RIM EL.= 21.45 IE. = 16.53 (W) IE= 15.13 (S)
RETAIL / RESTAURANT / OFFICE / RESIDENTIAL
COURTYARD POOL AREA
4-STORY BUILDING (RESIDENTIAL USE)
8" PVC FIRE MAIN
UNDERGROUND ELECTRICAL CONDUITS (TYP.)
T1
T2
T3
T4
T5
T6
PROPOSED SIDEWALK (TYP.)
PROP. 125 LF 8" PVC SAN. @ 0.42 %
N: 1310224.1350 E: 500332.6708
POC, EX. SAN. SYSTEM RIM EL.= 22.20, 20.09 IE.= 13.74 (EX.) 13.91 IE. = 14.40 (PROP.) 14.40 (E) 14.18 (S)
STA: 16+40.57, OFF: 8.11'R
SANITARY MANHOLE
RIM = 19.60
INV S = 13.69
INV W = 12.87
INV E = 12.87
STA:6+00.91, OFF:129.16'L
PROP. SAN. MH. RIM EL. = 21.80 IE. = 14.59 (N) IE.= 16.17 (S)
21.09
14.62
STA:15+18.97, OFF:15.21'L
SAN. CO. TOP EL. = 21.50 IE. = 17.25 (NW) 14.88 IE.= 18.50 (S)
PROP. 66 LF 6" PVC SAN. @ 1.00 %
SWANN AVENUE
RIGHT OF WAY (R) VARIES ASPHALT PAVEMENT
EOP
N: 1310224.1350 E: 500472.6708
ROW LINE
SITE BENCHMARK
STORM MANHOLE RIM = 20.35 INV NW = 14.02 INV E = 12.80 INV W = 12.80 INV S = 13.92
STORM MANHOLE RIM = 19.99 INV E = 14.46 INV N = 14.19
EXISTING FIRE HYDRANT TO REMAIN
POB PARCEL "A"
STORM MANHOLE RIM = 20.31 INV W = 14.98
LOT 1
LOT 2
LOT 3
LOT 4
LOT 5
LOT 6
LOT 7
LOT 8
LOT 9
LOT 10
LOT 11
LOT 12
LOT 13
LOT 14
LOT 15
LOT 16
LOT 17
LOT 18
LOT 19
LOT 20
LOT



WATER SYSTEM TESTING REQUIREMENTS (FOR PUBLIC WATER FACILITIES CONSTRUCTED FOR THE CITY)

1. ALL COMPONENTS OF THE WATER SYSTEM, INCLUDING FITTINGS, HYDRANTS, CONNECTIONS, AND VALVES SHALL BE PROPERLY PRESSURE TESTED AND ACCEPTED BY THE OWNER'S ENGINEER AND THE CITY. PRESSURE TESTS TO BE PERFORMED IN ACCORDANCE WITH WATER DEPARTMENT SPECIFICATIONS. CONTRACTOR TO NOTIFY OWNER'S ENGINEER AND CITY INSPECTOR A MINIMUM 3 WORKING DAYS IN ADVANCE OF PERFORMING TESTS.
2. CONTRACTOR SHALL PRESSURE TEST WATER MAINS AT 150 PSI FOR A PERIOD OF 2 HOURS IN ACCORDANCE WITH AWWA C600–87 STANDARDS. THE CONTRACTOR SHALL MAKE ALL NECESSARY APPLICATIONS AND ARRANGEMENTS.
3. CONTRACTOR TO PERFORM CHLORINATION AND COORDINATE BACTERIOLOGICAL SAMPLING WITH THE CITY OF TAMPA CONSTRUCTION INSPECTION SECTION IN ACCORDANCE WITH TAMPA WATER DEPARTMENT TECHNICAL MANUAL AND AWWA SPECIFICATION C651. CONTRACTOR TO OBTAIN SAMPLE CLEARANCE ON PUBLIC DOMESTIC WATER SYSTEM.
4. ALL TEST POINTS AND CHLORINATION POINTS PIPING SHALL BE COMPLETELY REMOVED PRIOR TO FINAL ACCEPTANCE. THE CORPORATION STOP SHALL BE REMOVED AND THE MAIN PLUGGED AFTER OPERATION (SEE CITY OF TAMPA STANDARD DETAIL 2.17).

"PUBLIC WATER" CONSTRUCTION NOTES

1. RESTRAIN ALL DIP WATER MAIN JOINTS FROM TAP TO TEMPORARY CAPS.
2. ALL BELOW GROUND DIP WATER MAINS AND FITTINGS TO BE POLYWRAPPED.
3. ALL TEE VALVE STEMS AND ALL VALVE STEMS ON PIPES TO BE PERPENDICULAR TO GRADE SHOWN.
4. WATER MAIN TAP TO BE PERFORMED BY COT WATER DEPARTMENT PERSONNEL ONLY. CONTRACTOR SHALL EXCAVATE, FURNISH AND INSTALL APPROVED TAPPING SLEEVE AND CONDUCT PRESSURE TEST OF SLEEVE (TO BE WITNESSED BY COT). CITY TO PERFORM ACTUAL TAP. CONTACT GREG CUNNINGHAM, COT CONTRACT ADMINISTRATION DEPARTMENT, AT 326–1010, M–TR, TEN (10) WORKING DAYS MINIMUM PRIOR TO INTENDED CONNECTIONS.
5. ALL DEVELOPER INSTALLED FACILITIES DESIGNED TO BE CITY OWNED SHALL BE TRANSFERRED TO THE CITY FOR OWNERSHIP AND MAINTENANCE PRIOR TO ACTIVATION OF CITY WATER SERVICE FOR CUSTOMER.
6. WATER SERVICE TO BE PROVIDED BY CITY OF TAMPA WATER DEPARTMENT.
7. ALL WATER WORK FOR THE CITY SHALL BE PERFORMED IN ACCORDANCE WITH THE TAMPA WATER DEPARTMENT TECHNICAL MANUAL, LATEST EDITION, AND WITH ALL CONSTRUCTION DETAILS THEREIN. THE DETAILS AND STANDARDS DESCRIBED ABOVE SHALL BE CONSIDERED TO BE A PART OF THE CONTRACT DOCUMENTS FOR THIS PROJECT.
8. PRIOR TO PRE–CONSTRUCTION MEETING WITH WATER DEPARTMENT, CONTRACTOR SHALL OBTAIN THE CURRENT "TAMPA WATER DEPARTMENT TECHNICAL MANUAL." ALL DEVELOPER INSTALLED CONSTRUCTION, MATERIALS AND WORKMANSHIP ARE TO CONFORM WITH THE LATEST CITY OF TAMPA SPECIFICATIONS, AS OUTLINED IN THE TECHNICAL MANUAL.
9. CONSTRUCTION OF ANY WATER INSTALLATIONS TO BE CITY–OWNED SHALL BE COORDINATED WITH THE WATER DEPARTMENT PRIOR TO THE START OF CONSTRUCTION. ENGINEER OR CONTRACTOR SHALL CONTACT GREG CUNNINGHAM, COT CONTRACT ADMINISTRATION DEPARTMENT, AT 326–1010, M–TR ABOUT SCHEDULING A PRE–CONSTRUCTION MEETING WITH THE CITY, FOR REVIEW OF INSTALLATION TECHNIQUES AND PROCEDURES, A MINIMUM OF 10 WORKING DAYS PRIOR TO CONSTRUCTION.
10. CONCRETE THRUST BLOCKS SHALL NOT BE USED FOR THRUST RESTRAINT. RESTRAINT OF PUSH–ON DUCTILE IRON PIPE JOINTS, OTHER THAN FOR FITTINGS, SHALL BE WITH APPROVED GASKET–TYPE ("GRIPPER") RESTRAINT DEVICES SUCH AS AMERICAN "FAST–GRIP" OR U.S. PIPE "FIELD–LOK" GASKETS.
11. CONNECTIONS TO EXISTING WATER DISTRIBUTION SYSTEM SHALL BE MADE IN SUCH THAT CURRENT WATER CUSTOMERS SERVED FROM ADJACENT MAINS SHALL NOT BE TAKEN OUT OF SERVICE.
12. VALVES ON EXISTING PUBLIC WATER MAINS MAY BE OPERATED BY CITY PERSONNEL ONLY.
13. BENDS SHALL BE INSTALLED ON DIP WATER MAIN, AS NECESSARY, TO MAINTAIN PROPER ALIGNMENT. DIP JOINT DEFLECTION SHALL BE IN ACCORDANCE WITH AWWA C–600, LATEST EDITION, EXCEPT DEFLECTION ALLOWED SHALL BE LESS THAN 80% OF THE DEFLECTION VALUES GIVEN IN THE AWWA DEFLECTION TABLES.
14. CLEARANCE BETWEEN ALL TREES AND WATER MAINS SHALL MEET CITY OF TAMPA PARKS DEPARTMENTS LATEST REQUIREMENTS. NO TREE SHALL BE PLANTED WITHIN 10 FEET OF INSTALLED OR EXISTING WATER MAINS.
15. ALL WATER MAINS SHALL HAVE A MINIMUM COVER OF 36 INCHES UNLESS OTHERWISE NOTED.
16. ALL WATERMAINS SHALL BE CONSTRUCTED IN A MANNER SUCH AS TO MAINTAIN A MINIMUM OF 3 FEET HORIZONTAL SEPARATION FROM OTHER UTILITIES, EXCEPT STORM, SANITARY AND GAS.

DRAFT

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Q:\CIVIL\4979\000\000\Production\Drawings\PLN-UTL-01.dwg - September 23, 2016 4:05 PM - King Engineering Associate Inc.

DESIGNED	THE SIGNATURE OF THE QUALITY CONTROL OFFICER IN THIS SPACE INDICATES THAT ALL REQUIRED PERMITS HAVE BEEN OBTAINED AND THAT CONSTRUCTION IS AUTHORIZED TO COMMENCE.
NLL	
DRAWN	
JSH	
CHECKED	
AGK	
Q.C.	

King
ENGINEERING ASSOCIATES, INC.
4921 Memorial Highway
One Memorial Center, Suite 300
Tampa, Florida 33634
Phone 813 880-8881
Fax 813 880-8882
www.kingengineering.com
Engineering License #2610

HOWARD AVENUE MIXED USE

FOR
HOWARD & MORRISON, LLC
500 N. WESTSHORE BLVD, SUITE 750
TAMPA, FLORIDA 33609

SANITARY SEWER AND WATER DISTRIBUTION PLAN

NO.	DATE	DESCRIPTION	APPD BY
8.	01/08/2016	ADDED GREASE TRAP	NLL
7.	05/21/2015	CONTRACTIBILITY REVIEW	NLL
6.	04/24/2015	TWD COMMENTS	NLL
5.	04/16/2015	TWD COMMENTS	NLL
4.	04/02/2015	COT COMMENTS	NLL
3.	03/03/2015	COT COMMENTS	NLL
2.	02/06/2015	COT COMMENTS	NLL
1.	01/20/2015	COT REVISIONS	NLL
6.	02/29/2016	ADDED RECORD DATA	

NICOLE L. LYNN, P.E.
9/26/2016
FL P.E. No. 71382

JOB NO.	SHEET NO.
4979-000-000	C5.01
DATE: 06/04/2014	
SCALE: AS SHOWN	

RECORD DRAWING
SEPTEMBER 26, 2016

Q.26 Topographic Survey – Howard Ave, Swann Ave to Morrison Ave

DRAFT

SECTIONS 23 & 26 TOWNSHIP 29 SOUTH RANGE 18 EAST

CITY OF TAMPA HILLSBOROUGH COUNTY FLORIDA

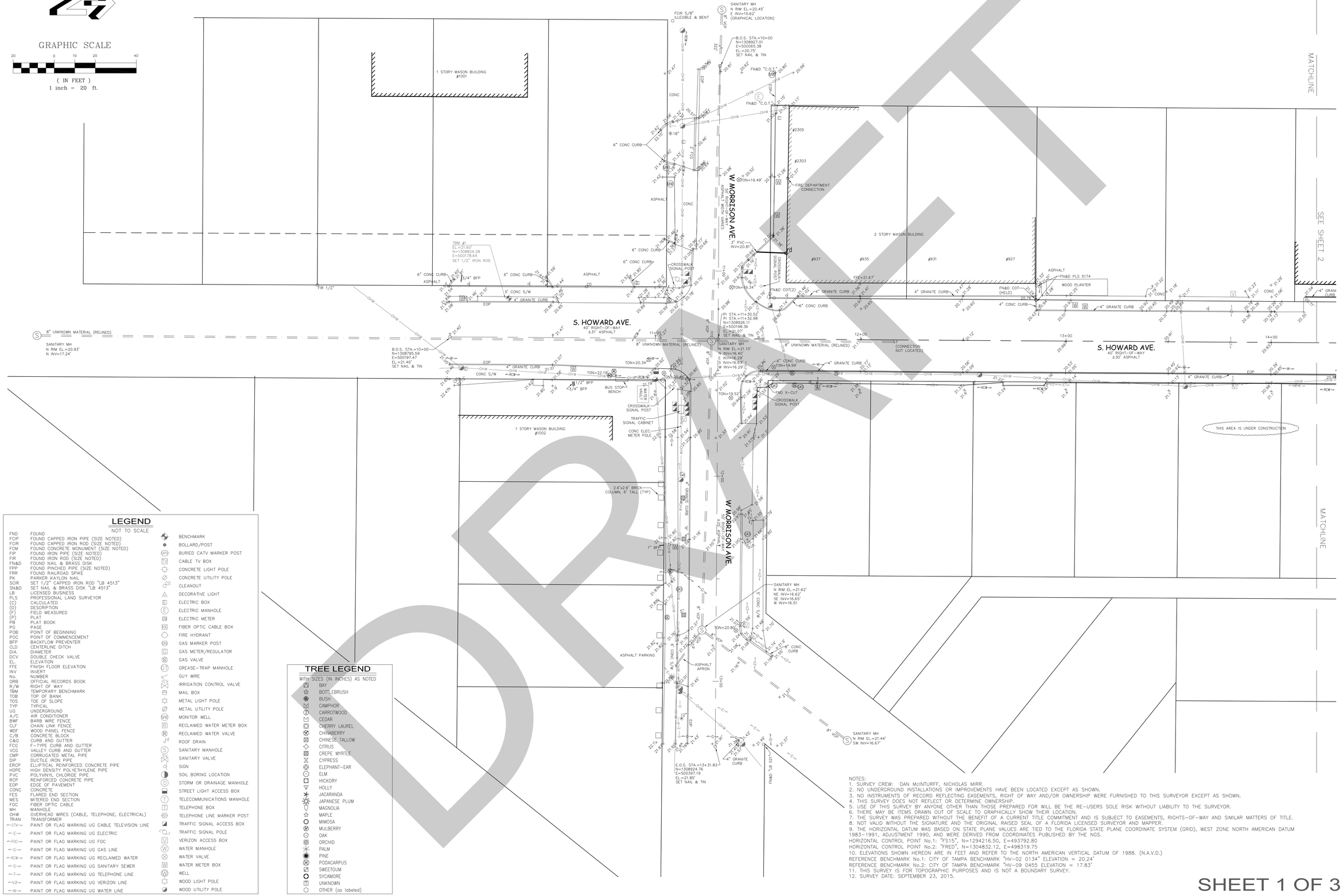
PW 2015-067

GRAPHIC SCALE

20 0 10 20 40

(IN FEET)

1 inch = 20 ft.


MATCHLINE
SEE SHEET 2
1 STORY MASON BUILDING #1001
1 STORY MASON BUILDING #1002
2 STORY MASON BULDING
W MORRISON AVE.
S. HOWARD AVE.
40' RIGHT-OF-WAY
±31' ASPHALT
±30' ASPHALT
TBM #1
EL.=21.60'
N=1308824.28
E=500178.64
SET 1/2" IRON ROD
B.O.S. STA.=10+00
N=1308927.01
E=500065.38
EL.=20.75'
SET NAIL & TIN
B.O.S. STA.=10+00
N=1308795.59
E=500197.47
EL.=21.40'
SET NAIL & TIN
P1 STA.=11+30.52
P1 STA.=11+32.98
N=1308926.11
E=500198.36
EL.=21.07'
SET NAIL & TIN
E.O.S. STA.=13+31.83
N=1308924.76
E=500397.19
EL.=21.85'
SET NAIL & TIN
SANITARY MH
N RIM EL.=20.45'
E INV=15.62'
(GRAPHICAL LOCATION)
SANITARY MH
N RIM EL.=20.93'
N INV=17.24'
SANITARY MH
N RIM EL.=21.10'
N INV=16.40'
E INV=16.29'
S INV=16.65'
W INV=16.25'
SANITARY MH
N RIM EL.=21.62'
NE INV=16.62'
SE INV=16.65'
W INV=16.51
SANITARY MH
N RIM EL.=21.44'
SW INV=16.67'
(CONNECTION NOT LOCATED)
#2305
#2303
#937
#935
#931
#927
FIRE DEPARTMENT CONNECTION
WOOD PLANTER
FN&D PLS 5174
FN&D "C.O.T."
FN&D COT(2)
FN&D COT (HELD)
FND X-CUT
FND "LB 0217"
TBM #1
EL.=21.60'
N=1308824.28
E=500178.64
SET 1/2" IRON ROD
3" PVC
INV=20.81'
6" CONC CURB
4" GRANITE CURB
5' CONC S/W
CONC S/W
ASPHALT
CONC
CROSSWALK SIGNAL POST
TRAFFIC SIGNAL CABINET
CONC ELEC. METER POLE
BUS STOP BENCH
WALT
2.6'x2.6' BRICK COLUMN, 6' TALL (TYP)
ASPHALT PARKING
ASPHALT APRON
8" CONC CURB
4" GRANITE CURB
THIS AREA IS UNDER CONSTRUCTION
FIR 1/2"
FCIR 5/8" ILLEGIBLE & BENT
3/4" BFP
1/2" BFP
1" BFP
TON=20.34'
TON=22.10'
TON=19.49'
TON=19.99'
TON=19.52'
TON=20.80'
TON=19.82'
TON=19.82'
TON=19.82

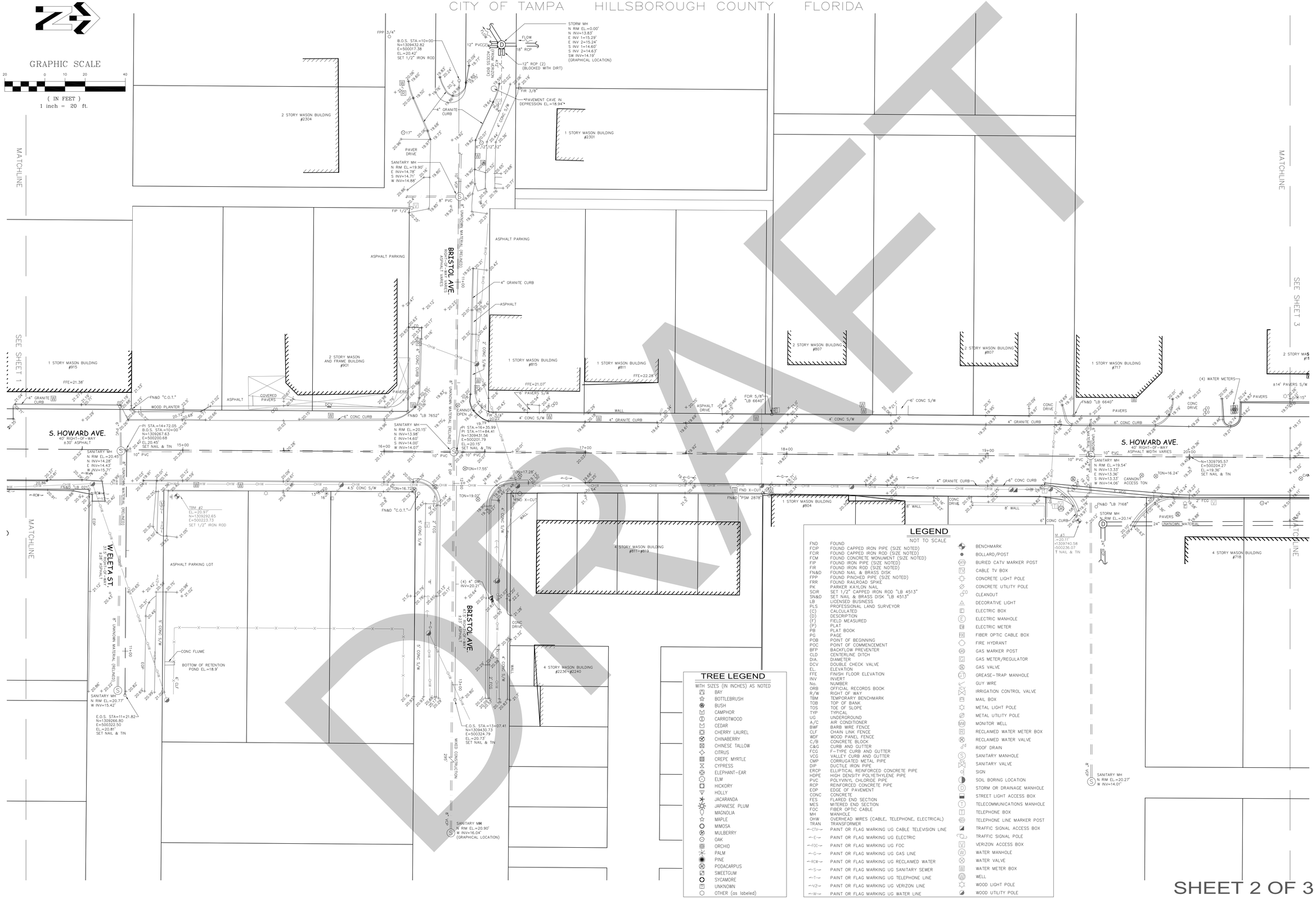
SECTIONS 23 & 26 TOWNSHIP 29 SOUTH RANGE 18 EAST

CITY OF TAMPA HILLSBOROUGH COUNTY FLORIDA

GRAPHIC SCALE

20 0 10 20 40

(IN FEET)
1 inch = 20 ft.



TREE LEGEND

WITH SIZES (IN INCHES) AS NOTED

- BAY
- BOTTLEBRUSH
- BUSH
- CAMPHOR
- CARROTWOOD
- CEDAR
- CHERRY LAUREL
- CHINABERRY
- CHINESE TALLOW
- CITRUS
- CREPE MYRTLE
- CYPRESS
- ELEPHANT-EAR
- ELM
- HICKORY
- HOLLY
- JACARANDA
- JAPANESE PLUM
- MAGNOLIA
- MAPLE
- MIMOSA
- MULBERRY
- OAK
- ORCHID
- PALM
- PINE
- PODACARPUS
- SWEETGUM
- SYCAMORE
- UNKNOWN
- OTHER (as labeled)

LEGEND

NOT TO SCALE

FND	FOUND
FCIP	FOUND CAPPED IRON PIPE (SIZE NOTED)
FCIR	FOUND CAPPED IRON ROD (SIZE NOTED)
FCM	FOUND CONCRETE MONUMENT (SIZE NOTED)
FIP	FOUND IRON PIPE (SIZE NOTED)
FIR	FOUND IRON ROD (SIZE NOTED)
FN&D	FOUND NAIL & BRASS DISK
FPP	FOUND PINCHED PIPE (SIZE NOTED)
FRR	FOUND RAILROAD SPIKE
PK	PARKER KAYLON NAIL
SCIR	SET 1/2" CAPPED IRON ROD "LB 4513"
SN&D	SET NAIL & BRASS DISK "LB 4513"
LB	LICENSED BUSINESS
PLS	PROFESSIONAL LAND SURVEYOR
(C)	CALCULATED
(D)	DESCRIPTION
(F)	FIELD MEASURED
(P)	PLAT
PB	PLAT BOOK
PG	PAGE
POB	POINT OF BEGINNING
POC	POINT OF COMMENCEMENT
BFP	BACKFLOW PREVENTER
CLD	CENTERLINE DITCH
DIA.	DIAMETER
DCV	DOUBLE CHECK VALVE
EL.	ELEVATION
FFE	FINISH FLOOR ELEVATION
INV	INVERT
No.	NUMBER
ORB	OFFICIAL RECORDS BOOK
R/W	RIGHT OF WAY
TBM	TEMPORARY BENCHMARK
TOB	TOP OF BANK
TOS	TOE OF SLOPE
TYP	TYPICAL
UG	UNDERGROUND
A/C	AIR CONDITIONER
BWF	BARB WIRE FENCE
CLF	CHAIN LINK FENCE
WDF	WOOD PANEL FENCE
C/B	CONCRETE BLOCK
C&G	CURB AND GUTTER
FCG	F-TYPE CURB AND GUTTER
VCG	VALLEY CURB AND GUTTER
CMP	CORRUGATED METAL PIPE
DIP	DUCTILE IRON PIPE
ERCP	ELLIPTICAL REINFORCED CONCRETE PIPE
HDPE	HIGH DENSITY POLYETHYLENE PIPE
PVC	POLYVINYL CHLORIDE PIPE
RCP	REINFORCED CONCRETE PIPE
EOP	EDGE OF PAVEMENT
CONC	CONCRETE
FES	FLARED END SECTION
MES	MITERED END SECTION
FOC	FIBER OPTIC CABLE
MH	MANHOLE
OHW	OVERHEAD WIRES (CABLE, TELEPHONE, ELECTRICAL)
TRAN.	TRANSFORMER
—CTV—	PAINT OR FLAG MARKING UG CABLE TELEVISION LINE
—E—	PAINT OR FLAG MARKING UG ELECTRIC
—FOC—	PAINT OR FLAG MARKING UG FOC
—G—	PAINT OR FLAG MARKING UG GAS LINE
—RCW—	PAINT OR FLAG MARKING UG RECLAIMED WATER
—S—	PAINT OR FLAG MARKING UG SANITARY SEWER
—T—	PAINT OR FLAG MARKING UG TELEPHONE LINE
—V2—	PAINT OR FLAG MARKING UG VERIZON LINE
—W—	PAINT OR FLAG MARKING UG WATER LINE
	BENCHMARK
	BOLLARD/POST
CATV	BURIED CATV MARKER POST
CTV	CABLE TV BOX
	CONCRETE LIGHT POLE
	CONCRETE UTILITY POLE
CO	CLEANOUT
	DECORATIVE LIGHT
E	ELECTRIC BOX
E	ELECTRIC MANHOLE
EM	ELECTRIC METER
FO	FIBER OPTIC CABLE BOX
	FIRE HYDRANT
GM	GAS MARKER POST
G	GAS METER/REGULATOR
GV	GAS VALVE
GT	GREASE-TRAP MANHOLE
	GUY WIRE
IRCV	IRRIGATION CONTROL VALVE
	MAIL BOX
	METAL LIGHT POLE
	METAL UTILITY POLE
MW	MONITOR WELL
R	RECLAIMED WATER METER BOX
RV	RECLAIMED WATER VALVE
	ROOF DRAIN
S	SANITARY MANHOLE
	SANITARY VALVE
	SIGN
	SOIL BORING LOCATION
D	STORM OR DRAINAGE MANHOLE
	STREET LIGHT ACCESS BOX
T	TELECOMMUNICATIONS MANHOLE
	TELEPHONE BOX
	TELEPHONE LINE MARKER POST
	TRAFFIC SIGNAL ACCESS BOX
	TRAFFIC SIGNAL POLE
V	VERIZON ACCESS BOX
W	WATER MANHOLE
	WATER VALVE
W	WATER METER BOX
W	WELL
	WOOD LIGHT POLE
	WOOD UTILITY POLE

SHEET 2 OF 3

No.	Revisions	Date	By
1	Description		
2			
3			
4			

DRAWING# 15034.DWG
Checked by KOM
Drawn by JJB

Project No. 15034
Field Book 285
Page 53-55

TOPOGRAPHIC SURVEY
S. HOWARD AVE., W. SWANN AVE. TO W. MORRISON AVE.

DATE OF FIELD SURVEY=9-23-15

PREPARED FOR: CITY OF TAMPA, STORMWATER DEPARTMENT

SUNCOAST LAND SURVEYING, Inc.
111 FOREST LAKES BOULEVARD
OLDSMAR, FLA. 34677
BOUNDARY – TOPOGRAPHIC – CONSTRUCTION STAKEOUT
PH.: (813) 854-1342 SLSURVEY@TAMPABAY.RR.COM
LB 4513

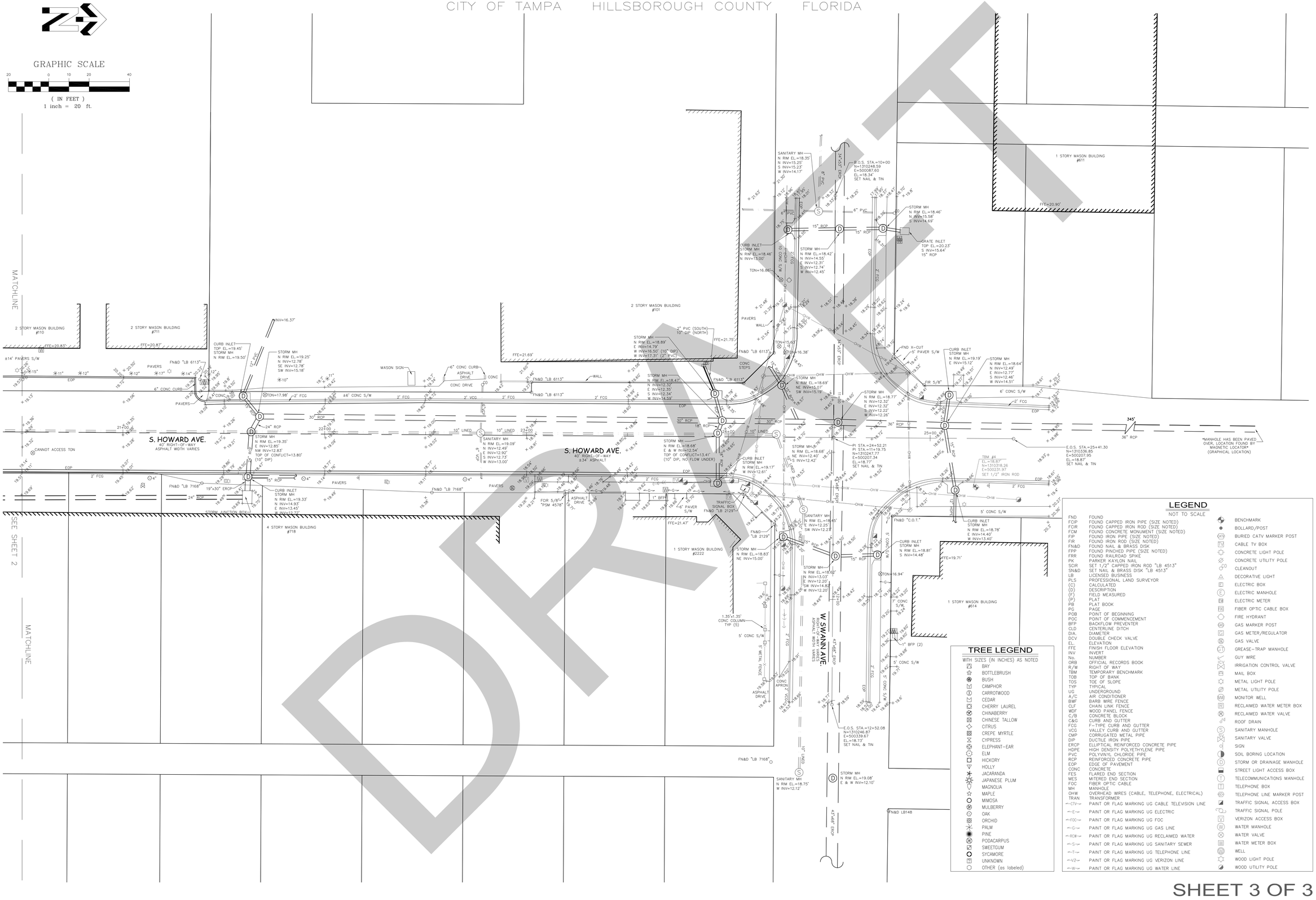
SECTIONS 23 & 26 TOWNSHIP 29 SOUTH RANGE 18 EAST

CITY OF TAMPA HILLSBOROUGH COUNTY FLORIDA

GRAPHIC SCALE

20 0 10 20 40

(IN FEET)
1 inch = 20 ft.



LEGEND

NOT TO SCALE

FND	FOUND
FOIP	FOUND CAPPED IRON PIPE (SIZE NOTED)
FOIR	FOUND CAPPED IRON ROD (SIZE NOTED)
FCM	FOUND CONCRETE MONUMENT (SIZE NOTED)
FIP	FOUND IRON PIPE (SIZE NOTED)
FIR	FOUND IRON ROD (SIZE NOTED)
FN&D	FOUND NAIL & BRASS DISK
FPP	FOUND PINCHED PIPE (SIZE NOTED)
FRR	FOUND RAILROAD SPIKE
PK	PARKER KAYLON NAIL
SCIR	SET 1/2" CAPPED IRON ROD "LB 4513"
SN&D	SET NAIL & BRASS DISK "LB 4513"
LB	LICENSED BUSINESS
PLS	PROFESSIONAL LAND SURVEYOR
(C)	CALCULATED
(D)	DESCRIPTION
(F)	FIELD MEASURED
(P)	PLAT
PB	PLAT BOOK
PG	PAGE
POB	POINT OF BEGINNING
POC	POINT OF COMMENCEMENT
BFP	BACKFLOW PREVENTER
CLD	CENTERLINE DITCH
DIA.	DIAMETER
DCV	DOUBLE CHECK VALVE
EL.	ELEVATION
FFE	FINISH FLOOR ELEVATION
INV	INVERT
No.	NUMBER
ORB	OFFICIAL RECORDS BOOK
R/W	RIGHT OF WAY
TBM	TEMPORARY BENCHMARK
TOB	TOP OF BANK
TOS	TOE OF SLOPE
TYP	TYPICAL
UG	UNDERGROUND
A/C	AIR CONDITIONER
BWF	BARB WIRE FENCE
CLF	CHAIN LINK FENCE
WDF	WOOD PANEL FENCE
C/B	CONCRETE BLOCK
C&G	CURB AND GUTTER
FCG	F-TYPE CURB AND GUTTER
VCG	VALLEY CURB AND GUTTER
CMP	CORRUGATED METAL PIPE
DIP	DUCTILE IRON PIPE
ERCP	ELLIPTICAL REINFORCED CONCRETE PIPE
HDPE	HIGH DENSITY POLYETHYLENE PIPE
PVC	POLYVINYL CHLORIDE PIPE
RCP	REINFORCED CONCRETE PIPE
EOP	EDGE OF PAVEMENT
CONC	CONCRETE
FES	FLARED END SECTION
MES	MITERED END SECTION
FOC	FIBER OPTIC CABLE
MH	MANHOLE
OHW	OVERHEAD WIRES (CABLE, TELEPHONE, ELECTRICAL)
TRAN	TRANSFORMER
-CTV-	PAINT OR FLAG MARKING UG CABLE TELEVISION LINE
-E-	PAINT OR FLAG MARKING UG ELECTRIC
-FOC-	PAINT OR FLAG MARKING UG FOC
-G-	PAINT OR FLAG MARKING UG GAS LINE
-RCW-	PAINT OR FLAG MARKING UG RECLAIMED WATER
-S-	PAINT OR FLAG MARKING UG SANITARY SEWER
-T-	PAINT OR FLAG MARKING UG TELEPHONE LINE
-V-	PAINT OR FLAG MARKING UG VERIZON LINE
-W-	PAINT OR FLAG MARKING UG WATER LINE
	BENCHMARK
	BOLLARD/POST
ATV	BURIED CATV MARKER POST
TV	CABLE TV BOX
	CONCRETE LIGHT POLE
	CONCRETE UTILITY POLE
CO	CLEANOUT
	DECORATIVE LIGHT
E	ELECTRIC BOX
E	ELECTRIC MANHOLE
EM	ELECTRIC METER
FO	FIBER OPTIC CABLE BOX
	FIRE HYDRANT
GAS	GAS MARKER POST
G	GAS METER/REGULATOR
GV	GAS VALVE
GT	GREASE-TRAP MANHOLE
	GUY WIRE
IRV	IRRIGATION CONTROL VALVE
M	MAIL BOX
	METAL LIGHT POLE
	METAL UTILITY POLE
MW	MONITOR WELL
R	RECLAIMED WATER METER BOX
RV	RECLAIMED WATER VALVE
rd	ROOF DRAIN
S	SANITARY MANHOLE
SV	SANITARY VALVE
	SIGN
	SOIL BORING LOCATION
D	STORM OR DRAINAGE MANHOLE
	STREET LIGHT ACCESS BOX
T	TELECOMMUNICATIONS MANHOLE
T	TELEPHONE BOX
	TELEPHONE LINE MARKER POST
	TRAFFIC SIGNAL ACCESS BOX
	TRAFFIC SIGNAL POLE
V	VERIZON ACCESS BOX
W	WATER MANHOLE
	WATER VALVE
W	WATER METER BOX
W	WELL
	WOOD LIGHT POLE
	WOOD UTILITY POLE

TREE LEGEND

WITH SIZES (IN INCHES) AS NOTED

	BAY
	BOTTLEBRUSH
	BUSH
	CAMPHOR
	CARROTWOOD
	CEDAR
	CHERRY LAUREL
	CHINABERRY
	CHINESE TALLOW
	CITRUS
	CREPE MYRTLE
	CYPRESS
	ELEPHANT-EAR
	ELM
	HICKORY
	HOLLY
	JACARANDA
	JAPANESE PLUM
	MAGNOLIA
	MAPLE
	MIMOSA
	MULBERRY
	OAK
	ORCHID
	PALM
	PINE
	PODACARPUS
	SWEETGUM
	SYCAMORE
	UNKNOWN
	OTHER (as labeled)

DRAFT

SHEET 3 OF 3

No.	Date	Description	By
4			
3			
2			
1			

Revisions

Project No. 15034
Field Book 285
Page 53-55

DRAWING# 15034.DWG
Checked by KDM
Drawn by JJB

TOPOGRAPHIC SURVEY
S. HOWARD AVE., W. SWANN AVE. TO W. MORRISON AVE.

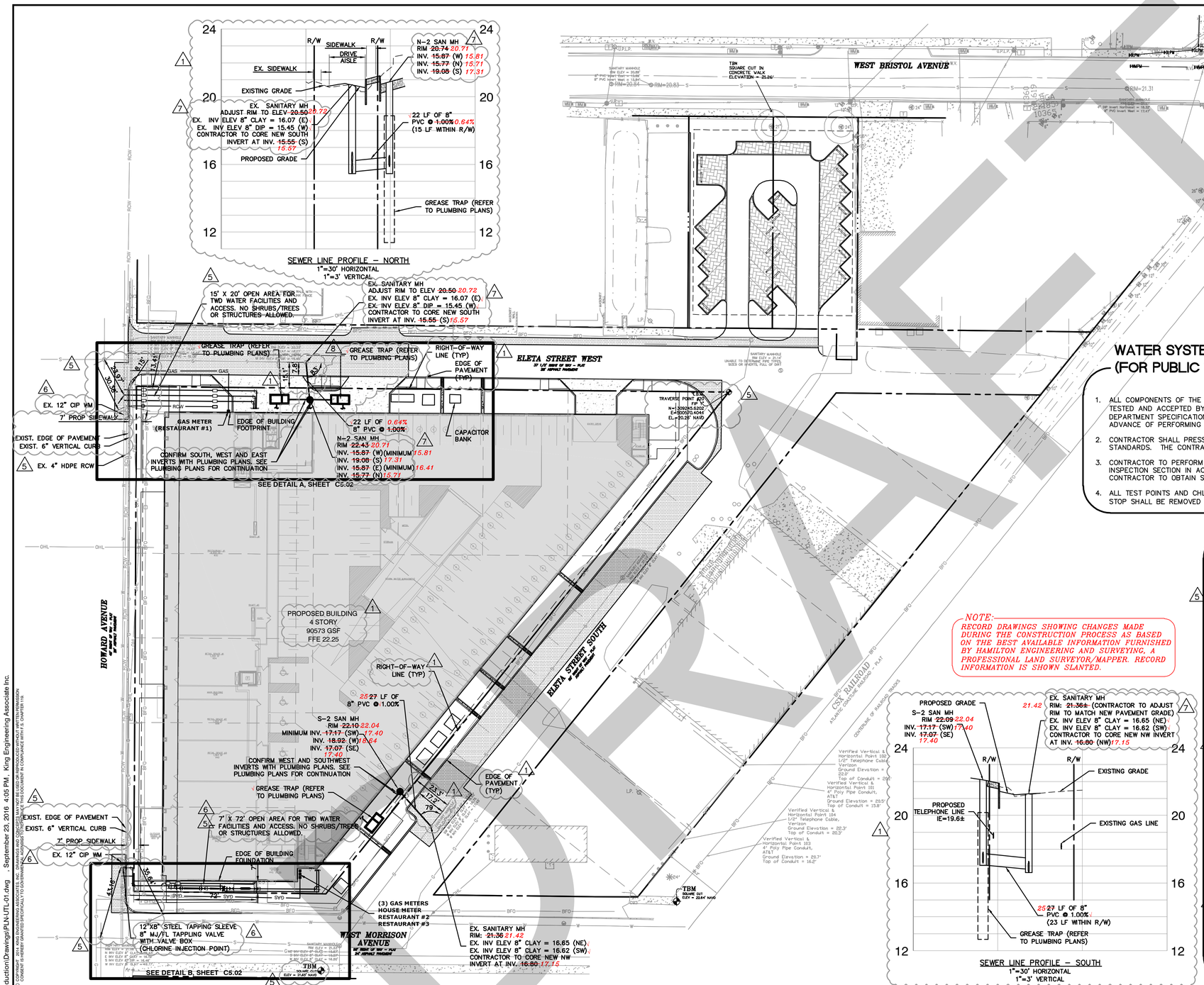
DATE OF FIELD SURVEY:9-23-15

PREPARED FOR: CITY OF TAMPA, STORMWATER DEPARTMENT

SUNCOAST LAND SURVEYING, Inc.
111 FOREST LAKES BOULEVARD
OLDSMAR, FLA. 34677
BOUNDARY - TOPOGRAPHIC - CONSTRUCTION STAKEOUT
PH: (813) 854-1342 SLSURVEY@TAMPABAY.RR.COM
LB 4513

Q.27 Howard Ave Mixed Use – Sanitary Sewer and Water Distribution Plan

DRAFT



WATER SYSTEM TESTING REQUIREMENTS (FOR PUBLIC WATER FACILITIES CONSTRUCTED FOR THE CITY)

1. ALL COMPONENTS OF THE WATER SYSTEM, INCLUDING FITTINGS, HYDRANTS, CONNECTIONS, AND VALVES SHALL BE PROPERLY PRESSURE TESTED AND ACCEPTED BY THE OWNER'S ENGINEER AND THE CITY. PRESSURE TESTS TO BE PERFORMED IN ACCORDANCE WITH WATER DEPARTMENT SPECIFICATIONS. CONTRACTOR TO NOTIFY OWNER'S ENGINEER AND CITY INSPECTOR A MINIMUM 3 WORKING DAYS IN ADVANCE OF PERFORMING TESTS.
2. CONTRACTOR SHALL PRESSURE TEST WATER MAINS AT 150 PSI FOR A PERIOD OF 2 HOURS IN ACCORDANCE WITH AWWA C600–87 STANDARDS. THE CONTRACTOR SHALL MAKE ALL NECESSARY APPLICATIONS AND ARRANGEMENTS.
3. CONTRACTOR TO PERFORM CHLORINATION AND COORDINATE BACTERIOLOGICAL SAMPLING WITH THE CITY OF TAMPA CONSTRUCTION INSPECTION SECTION IN ACCORDANCE WITH TAMPA WATER DEPARTMENT TECHNICAL MANUAL AND AWWA SPECIFICATION C651. CONTRACTOR TO OBTAIN SAMPLE CLEARANCE ON PUBLIC DOMESTIC WATER SYSTEM.
4. ALL TEST POINTS AND CHLORINATION POINTS PIPING SHALL BE COMPLETELY REMOVED PRIOR TO FINAL ACCEPTANCE. THE CORPORATION STOP SHALL BE REMOVED AND THE MAIN PLUGGED AFTER OPERATION (SEE CITY OF TAMPA STANDARD DETAIL 2.17).

"PUBLIC WATER" CONSTRUCTION NOTES

1. RESTRAIN ALL DIP WATER MAIN JOINTS FROM TAP TO TEMPORARY CAPS.
2. ALL BELOW GROUND DIP WATER MAINS AND FITTINGS TO BE POLYWRAPPED.
3. ALL TEE VALVE STEMS AND ALL VALVE STEMS ON PIPES TO BE PERPENDICULAR TO GRADE SHOWN.
4. WATER MAIN TAP TO BE PERFORMED BY COT WATER DEPARTMENT PERSONNEL ONLY. CONTRACTOR SHALL EXCAVATE, FURNISH AND INSTALL APPROVED TAPPING SLEEVE AND CONDUCT PRESSURE TEST OF SLEEVE (TO BE WITNESSED BY COT). CITY TO PERFORM ACTUAL TAP. CONTACT GREG CUNNINGHAM, COT CONTRACT ADMINISTRATION DEPARTMENT, AT 326–1010, M–TR, TEN (10) WORKING DAYS MINIMUM PRIOR TO INTENDED CONNECTIONS.
5. ALL DEVELOPER INSTALLED FACILITIES DESIGNED TO BE CITY OWNED SHALL BE TRANSFERRED TO THE CITY FOR OWNERSHIP AND MAINTENANCE PRIOR TO ACTIVATION OF CITY WATER SERVICE FOR CUSTOMER.
6. WATER SERVICE TO BE PROVIDED BY CITY OF TAMPA WATER DEPARTMENT.
7. ALL WATER WORK FOR THE CITY SHALL BE PERFORMED IN ACCORDANCE WITH THE TAMPA WATER DEPARTMENT TECHNICAL MANUAL, LATEST EDITION, AND WITH ALL CONSTRUCTION DETAILS THEREIN. THE DETAILS AND STANDARDS DESCRIBED ABOVE SHALL BE CONSIDERED TO BE A PART OF THE CONTRACT DOCUMENTS FOR THIS PROJECT.
8. PRIOR TO PRE–CONSTRUCTION MEETING WITH WATER DEPARTMENT, CONTRACTOR SHALL OBTAIN THE CURRENT "TAMPA WATER DEPARTMENT TECHNICAL MANUAL." ALL DEVELOPER INSTALLED CONSTRUCTION, MATERIALS AND WORKMANSHIP ARE TO CONFORM WITH THE LATEST CITY OF TAMPA SPECIFICATIONS, AS OUTLINED IN THE TECHNICAL MANUAL.
9. CONSTRUCTION OF ANY WATER INSTALLATIONS TO BE CITY–OWNED SHALL BE COORDINATED WITH THE WATER DEPARTMENT PRIOR TO THE START OF CONSTRUCTION. ENGINEER OR CONTRACTOR SHALL CONTACT GREG CUNNINGHAM, COT CONTRACT ADMINISTRATION DEPARTMENT, AT 326–1010, M–TR ABOUT SCHEDULING A PRE–CONSTRUCTION MEETING WITH THE CITY, FOR REVIEW OF INSTALLATION TECHNIQUES AND PROCEDURES, A MINIMUM OF 10 WORKING DAYS PRIOR TO CONSTRUCTION.
10. CONCRETE THRUST BLOCKS SHALL NOT BE USED FOR THRUST RESTRAINT. RESTRAINT OF PUSH–ON DUCTILE IRON PIPE JOINTS, OTHER THAN FOR FITTINGS, SHALL BE WITH APPROVED GASKET–TYPE ("GRIPPER") RESTRAINT DEVICES SUCH AS AMERICAN "FAST–GRIP" OR U.S. PIPE "FIELD–LOK" GASKETS.
11. CONNECTIONS TO EXISTING WATER DISTRIBUTION SYSTEM SHALL BE MADE IN SUCH THAT CURRENT WATER CUSTOMERS SERVED FROM ADJACENT MAINS SHALL NOT BE TAKEN OUT OF SERVICE.
12. VALVES ON EXISTING PUBLIC WATER MAINS MAY BE OPERATED BY CITY PERSONNEL ONLY.
13. BENDS SHALL BE INSTALLED ON DIP WATER MAIN, AS NECESSARY, TO MAINTAIN PROPER ALIGNMENT. DIP JOINT DEFLECTION SHALL BE IN ACCORDANCE WITH AWWA C–600, LATEST EDITION, EXCEPT DEFLECTION ALLOWED SHALL BE LESS THAN 80% OF THE DEFLECTION VALUES GIVEN IN THE AWWA DEFLECTION TABLES.
14. CLEARANCE BETWEEN ALL TREES AND WATER MAINS SHALL MEET CITY OF TAMPA PARKS DEPARTMENTS LATEST REQUIREMENTS. NO TREE SHALL BE PLANTED WITHIN 10 FEET OF INSTALLED OR EXISTING WATER MAINS.
15. ALL WATER MAINS SHALL HAVE A MINIMUM COVER OF 36 INCHES UNLESS OTHERWISE NOTED.
16. ALL WATERMAINS SHALL BE CONSTRUCTED IN A MANNER SUCH AS TO MAINTAIN A MINIMUM OF 3 FEET HORIZONTAL SEPARATION FROM OTHER UTILITIES, EXCEPT STORM, SANITARY AND GAS.

DRAFT

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DESIGNED NLL
DRAWN JSH
CHECKED AGK
D.C.

THE SIGNATURE OF THE QUALITY CONTROL OFFICER IN THIS SPACE INDICATES THAT ALL REQUIRED PERMITS HAVE BEEN OBTAINED AND THAT CONSTRUCTION IS AUTHORIZED TO COMMENCE.

King ENGINEERING ASSOCIATES, INC.
4921 Memorial Highway
One Memorial Center, Suite 300
Tampa, Florida 33634
Phone 813 880-8881
Fax 813 880-8882
www.kingengineering.com
Engineering License #2610

HOWARD AVENUE MIXED USE

FOR
HOWARD & MORRISON, LLC
500 N. WESTSHORE BLVD, SUITE 750
TAMPA, FLORIDA 33609

NO.	DATE	DESCRIPTION	APPD BY
8.	01/08/2016	ADDED GREASE TRAP	NLL
7.	05/21/2015	CONTRACTIBILITY REVIEW	NLL
6.	04/24/2015	TWD COMMENTS	NLL
5.	04/16/2015	TWD COMMENTS	NLL
4.	04/02/2015	COT COMMENTS	NLL
3.	03/03/2015	COT COMMENTS	NLL
2.	02/06/2015	COT COMMENTS	NLL
1.	01/20/2015	COT REVISIONS	NLL
6.	02/29/2016	ADDED RECORD DATA	

SANITARY SEWER AND WATER DISTRIBUTION PLAN

NICOLE L. LYNN, P.E.
9/26/2016
FL P.E. No. 71382

JOB NO. 4979-000-000
DATE: 06/04/2014
SCALE: AS SHOWN

SHEET NO. C5.01

RECORD DRAWING
SEPTEMBER 26, 2016

Q.28 Howard Ave Flooding Relief (SW2017-01) (Marjory Ave Pump Station

DRAFT

SW 2017-01

SURVEYOR'S REPORT

TYPE OF SURVEY:
AS-BUILT SURVEY
FOR HOWARD AVENUE FLOODING RELIEF, CITY OF TAMPA, FLORIDA

MAP OF SURVEY:
THE SURVEY MAP AND REPORT ARE NOT FULL AND COMPLETE WITHOUT THE OTHER.
SEE MAP OF SURVEY SHEETS 01 OF 08 THRU SHEETS 08 OF 08.

LEGAL DESCRIPTION:
NOT APPLICABLE.

ACCURACY:
1. ALL MEASUREMENTS, DISTANCES, ELEVATIONS AND FEATURES WERE PERFORMED IN STRICT ACCORDANCE WITH THE STANDARDS OF PRACTICE SET FORTH IN CHAPTER 5J-17 PURSUANT TO SECTION 427.027 FLORIDA STATUTES.

2. METHODS FOR ALL CONTROL MEASUREMENTS WERE MADE WITH A TRANSIT AND STEEL TAPE, OR DEVICES WITH EQUIVALENT OR HIGHER DEGREES OF ACCURACY.

3. THE ACCURACY STANDARD USED FOR THIS SURVEY, AS CLASSIFIED IN THE STANDARDS OF PRACTICE 5J-17 F.A.C., IS "COMMERCIAL HIGH RISK". THE MINIMUM RELATIVE DISTANCE ACCURACY FOR THIS TYPE OF SURVEY IS 1 FOOT IN 10,000 FEET. THIS SURVEY IS BASED ON REPETITIVE RTK GPS AND/ OR ROBOTIC TOTAL STATION OBSERVATIONS ON MULTIPLE PROJECT HORIZONTAL AND VERTICAL CONTROL POINTS TO OBTAIN A REDUNDANCY OF MEASUREMENT. THE HORIZONTAL AND VERTICAL CLOSURE ACHIEVED FOR THIS SURVEY, EXCEEDED THE MINIMUM ACCURACY REQUIREMENTS.

DATA SOURCES:
1. CONSTRUCTION PLANS "HOWARD AVENUE FLOODING RELIEF" PREPARED BY CITY OF TAMPA DEPARTMENT OF TRANSPORTATION AND STORMWATER SERVICES, TELEPHONE NO. (813) 274-8333, DATED 12-15-16, WERE UTILIZED IN THE PREPARATION OF THIS SURVEY.

2. ALL ELEVATIONS SHOWN HEREON ARE IN FEET AND ARE BASED ON NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 88). PARENT BENCHMARK, HILLSBOROUGH COUNTY BENCHMARK "VA-922" HAVING AN ELEVATION OF 20.68 FEET. (DATA SOURCES 1).

3. BEARINGS AND COORDINATES SHOWN HERE ON AND ON THE MAP OF SURVEY ARE IN FEET AND NOT REFERENCED TO A PUBLISHED COORDINATE SYSTEM (ASSUMED) (DATA SOURCES 1).

4. ONSITE HORIZONTAL AND VERTICAL CONTROL POINTS UTILIZED FOR THIS SURVEY: CONTROL POINT 1, FOUND NAIL AND DISK "NO ID" NORTHING 1307591.32 FEET, EASTING 500156.76 FEET, ELEVATION = 19.04 FEET AND CONTROL POINT 2, FOUND NAIL AND DISK "NO ID", NORTHING 1307949.70 FEET, EASTING 500133.12 FEET, ELEVATION = 21.43 FEET, THE BASIS OF BEARING BEING N.03°46'22"W. BETWEEN SAID CONTROL POINTS 1 AND 2 (DATA SOURCES 1).

LIMITATIONS:
1. PURPOSE OF SURVEY: TO OBTAIN HORIZONTAL AND VERTICAL DIMENSIONAL DATA SO THAT CONSTRUCTED IMPROVEMENTS MAY BE LOCATED AND DELINEATED.

2. LAST FIELD DATE OF SURVEY: 08/03/2017 AS SHOWN IN FIELD BOOK 526, PAGES 10 AND 11.

3. THE SCREENED INFORMATION SHOWN ON THE MAP OF SURVEY IS PER PLAN (DATA SOURCES 1) AND FOR COMPARISON PURPOSES ONLY AND IS NOT A PART OF THE AS-BUILT INFORMATION. THE **BOLD DARK PRINT AND LINE WORK** SHOWN HERE ON IS AS-BUILT INFORMATION PREPARED BY FERGUSON LAND SURVEYORS, PLLC.

4. THIS IS NOT A BOUNDARY OR RIGHT-OF-WAY SURVEY.

5. PRINTED DIMENSIONS SHOWN ON THE SURVEY SUPERSEDE SCALED DIMENSIONS. THERE MAY BE ITEMS DRAWN OUT OF SCALE TO GRAPHICALLY SHOW THEIR LOCATION.

6. USE OF THIS SURVEY BY ANYONE OTHER THAN THOSE PREPARED FOR OR CERTIFIED TO, WILL BE THE RE-USERS SOLE RISK WITHOUT LIABILITY TO THE SURVEYOR.

7. SHOWN ANYWHERE ON THIS SURVEY, THE WORD "CERTIFY" IS UNDERSTOOD TO BE AN EXPRESSION OF A PROFESSIONAL OPINION BASED UPON THE SURVEYOR'S BEST KNOWLEDGE, INFORMATION AND BELIEF, AND THAT IT CONSTITUTES NEITHER A GUARANTEE NOR A WARRANTY.

BOUNDARY INCONSISTENCIES:
NOT APPLICABLE.

EASEMENTS/RIGHT-OF-WAY:
NOT APPLICABLE.

PREPARED FOR AND CERTIFIED TO:
DALLAS1
10328 MAIN STREET
P.O. BOX 249
THONOTOSASSA, FL 33592
TEL: (813) 986-1922

AND

CITY OF TAMPA
DEPARTMENT OF TRANSPORTATION AND STORMWATER SERVICES
306 E JACKSON STREET
TAMPA, FL 33602
TEL: (813) 274-8721

SURVEYOR AND MAPPER IN RESPONSIBLE CHARGE:
TERRY D. FERGUSON
PROFESSIONAL SURVEYOR AND MAPPER
LICENSE NUMBER LS #4535
STATE OF FLORIDA
TEL: (727) 230-9606



PROJECT LOCATION

CITY of TAMPA

CITY OF TAMPA FLORIDA
MASCOTTE
ORGANIZED JULY 15 1887

DEPARTMENT OF
TRANSPORTATION AND STORMWATER SERVICES
STORMWATER ENGINEERING DIVISION

PLANS FOR
HOWARD AVENUE
FLOODING RELIEF

AS-BUILT SURVEY FOR
HOWARD AVENUE FLOODING RELIEF, CITY OF TAMPA, FLORIDA

THE MAP AND REPORT ARE NOT FULL AND COMPLETE WITHOUT THE OTHER.
SEE SHEET (1) FOR SURVEYOR'S REPORT AND CERTIFICATIONS.

FLS PN: 17023-A1	Ferguson Land Surveyors	PROJECT MGR: TDF
FB 526, PG 10-11		DRAWN BY: JKI
FIELD DATE: 08/03/17		SHEET 01 OF 08

806 FRANKLIN STREET, CLEARWATER, FL 33756 - PH. 727.230.9606 FAX 727.230.9234 - LB No.: 8128

THIS MAPPING CONFORMS TO STANDARDS OF PRACTICE FOR AN AS-BUILT SURVEY AS SET FORTH BY THE FLORIDA BOARD OF PROFESSIONAL SURVEYORS AND MAPPERS IN CHAPTER 5J-17 PURSUANT TO SECTION 427.027 FLORIDA STATUTES.

NOT VALID WITHOUT THE SIGNATURE AND THE ORIGINAL RAISED SEAL OF A FLORIDA LICENSED SURVEYOR AND MAPPERS. ADDITIONS OR DELETIONS TO SURVEY MAPS BY ANYONE OTHER THAN THE SIGNING SURVEYORS IS PROHIBITED WITHOUT WRITTEN CONSENT OF THE SIGNING SURVEYOR.

TERRY D. FERGUSON, PSM
FLORIDA SURVEYORS REGISTRATION LS NO. 4535

AS-BUILT PLANS

RICHARD ALFRED HOEL, P.E. #41026
CHIEF ENGINEER

DES: MTM
DRN: ME
CKD:
DATE:

No.	DATE	REVISIONS
3		
2		
1		

CITY of TAMPA
Department of Transportation and Stormwater Services
Stormwater Engineering Division

COVER SHEET

SHEET 1 OF 17

P:\PRODUCTION_Projects\2017\17023 - COT Howard and Marjory Avenues Pumping Station (Hillsborough)\dwg\As-builts\Cover Index & ConstNotes.dwg, Cover, 8/4/2017 11:27:56 AM

LEGEND

	UP to 18" & SMALLER	24" & LARGER
EX STORMWATER		
FORCE MAIN		
PIPES & MANHOLES		
CATCH BASIN, GRATE		
DITCHES, SWALES		
PROP STORMWATER		
FORCE MAIN		
PIPES & MANHOLES		
OTHER UTILITIES		
SAN SEWER & MANHOLES		
WATER LINE		
GAS LINE		
ELECTRICAL CABLE or DUCT		
TELEPHONE CABLE or DUCT		
TV CABLE		
VALVE		
HYDRANT		
CLEAN OUT		
EXISTING WYE		
POWER POLE		
TELEPHONE POLE		
GUY POLE		
GUY WIRE		
VALVE VAULT		
WATER METER		
ELECTRICAL MANHOLE or VAULT		
TELEPHONE MANHOLE or VAULT		
TRAFFIC BOX or VAULT		
OTHER FEATURES		
RIGHT of WAY LINE	R/W	
EDGE of PAVEMENT		
BUILDING LIMIT	1236	
PROPERTY OWNERSHIP	Z	
FENCE		
CONIFER	6"	
PALM	8"	
OAK	10"	
OTHER	12"	
SHRUB		
HEDGE		
RAILROAD TRACKS		
IRON PIPE		
CONCRETE MONUMENT		

ABBREVIATIONS

TOP of PIPE	TP
INVERT ELEVATION	IE or INV EL
RIGHT of WAY	R/W
MANHOLE	MH
POLYVINYL CHLORIDE PIPE	PVCP
VITRIFIED CLAY PIPE	VCP
ADVANCED DRAINAGE SYSTEM	ADS
DUCTILE IRON PIPE	DIP
REINFORCED CONCRETE PIPE	RCP
CONCRETE PIPE	CP
APPROXIMATE LOCATION	AL
BENCH MARK	BM
POINT of INTERSECTION	PI

INDEX

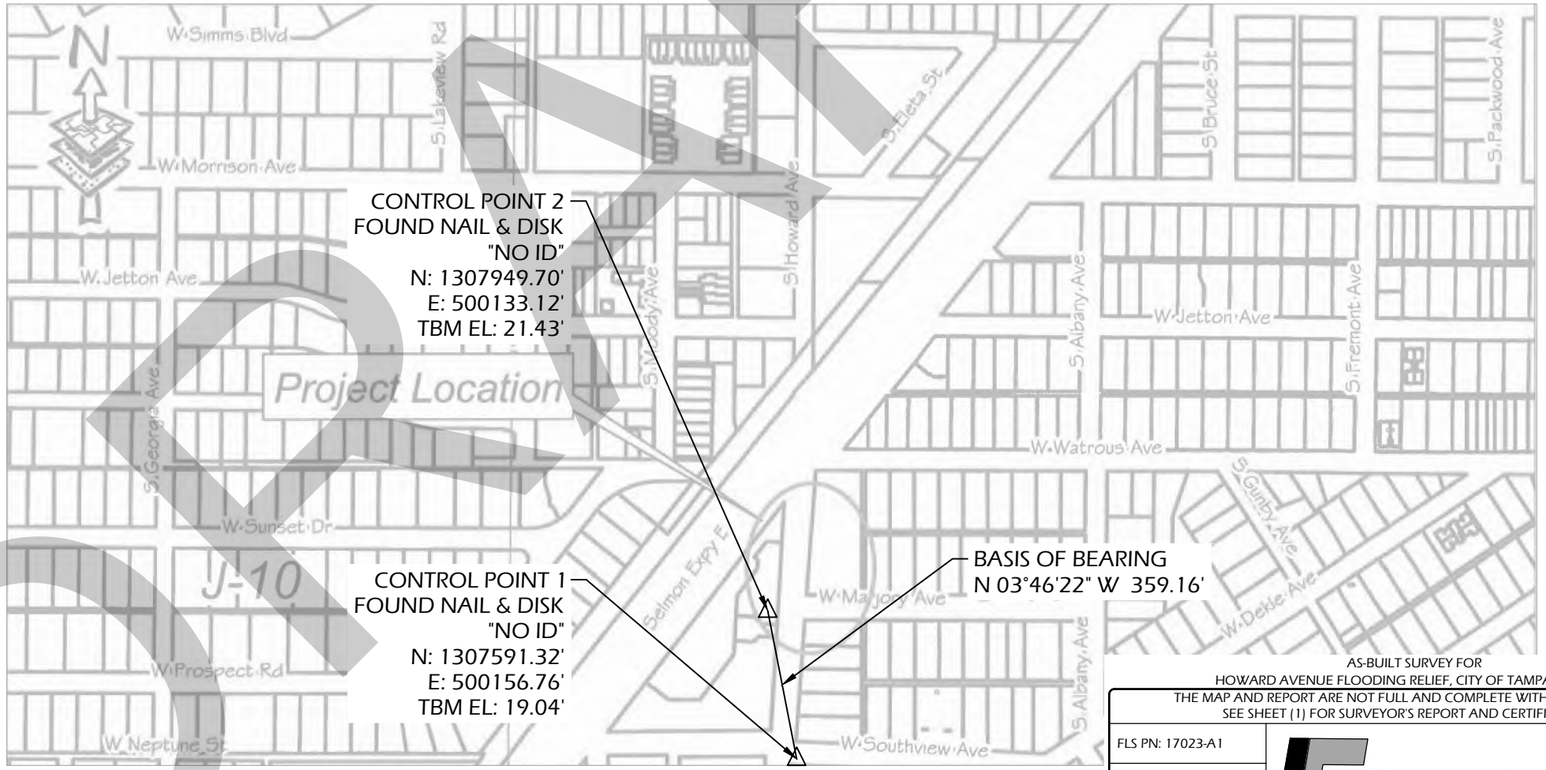
No.	DESCRIPTION
1	COVER SHEET
2	LEGEND, INDEX, AND MAP
3–4	GENERAL AND STRUCTURAL NOTES
5–6	EXISTING CONDITION
7–10	CONSTRUCTION PLAN & PROFILE
11–12	PUMP STATION/TRENCH DRAIN SITE PLANS
13–17	PUMP STATION & MISCELLANEOUS DETAILS
S1–S2	STRUCTURAL DETAILS

SW 2017-01

AS-BUILT PLANS

AS-BUILT LEGEND

N	NORTHING
E	EASTING
EL	ELEVATION
TBM	TEMPORARY BENCHMARK
LF	LINEAR FEET
FM	FORCE MAIN
HDPE	HIGH DENSITY POLYETHYLENE
DIP	DUCTILE IRON PIPE
PVC	POLYVINYL CHLORIDE
ARV	AIR RELEASE VALVE
T.O.P.	TOP OF PIPE
T.O.N.	TOP OF NUT
CONC	CONCRETE



LOCATION MAP

AS-BUILT SURVEY FOR
HOWARD AVENUE FLOODING RELIEF, CITY OF TAMPA, FLORIDA

THE MAP AND REPORT ARE NOT FULL AND COMPLETE WITHOUT THE OTHER.
SEE SHEET (1) FOR SURVEYOR'S REPORT AND CERTIFICATIONS.

FLS PN: 17023-A1	Ferguson Land Surveyors	PROJECT MGR: TDF
FB 526, PG 10-11		DRAWN BY: JKI
FIELD DATE: 08/03/17		SHEET 02 OF 08

806 FRANKLIN STREET, CLEARWATER, FL 33756 - PH. 727.230.9606 FAX 727.230.9234 - LB No.: 8128

DRAFT

No.	DATE	REVISIONS	No.	DATE	REVISIONS
3			6		
2			5		
1			4		

DES: MTM
DRN:
CKD:
DATE:

CITY of TAMPA
Department of Transportation and Stormwater Services
Stormwater Engineering Division

HOWARD AVENUE
FLOODING RELIEF

SHEET 2 OF 17

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SW 2017-01

AS-BUILT PLANS

MATCH LINE STA. 43+00

8" HDPE FM
STA: 42+95.65 , 20.32' LT
N: 1308061.77'
E: 500151.99'
T.O.P. EL: 13.81'

CONC MIAMI CURB

4' CONC SHOULDER

STA. 42+95 BEGIN MIAMI GUTTER(SEE DETAILS THIS SHEET)

STA. 42+90 END 6" CONC. DRIVEWAY & SIDEWALK START TRANSITION TO MIAMI GUTTER

CONC DRIVE

6' CONC WALK

8" HDPE FM
STA: 42+42.20 , 20.39' LT
N: 1308008.48'
E: 500148.01'
T.O.P. EL: 14.44'

TOP EL.=15.10

STA. 42+15 START 6" CONC. DRIVEWAY & SIDEWALK END CONC. "D" CURB & 4" CONC. SIDEWALK

REPLACE 4" CONCRETE SIDEWALK & LANDING TO EXPANSION BREAK. INSTALL TYPE "D" CONC. CURB

STA. 42+00, 20'± LT. TRANSITION FROM 8" PVC TO 8" HDPE TOP EL.=15.25

DO NOT DISTURB CONCRETE

8" FM TRANSITION
STA: 41+99.78 , 20.39' LT
N: 1307966.16'
E: 500144.92'
T.O.P. EL: 14.82'

M.E.G.

8"-90° D.I. BEND @ 41+90, 18'± RT.
TOP EL.=15.25

CONC CURB

41+81.86 (S. HOWARD)
10+00.00 (W. MARJORY)
N 1307946.81
E 500163.95

PROP. 8" PVC C900 PIPE

LIMITS OF MILL & OVERLAY

TRENCH DRAIN

TRENCH DRAIN

GRADES IN MARJORY AS NOTED

8" 90° FM BEND
STA: 41+88.52 , 20.39' LT
N: 1307954.93'
E: 500144.09'
T.O.P. EL: 14.92'

8" 90° FM BEND
STA: 41+88.62 , 17.61' RT
N: 1307952.26'
E: 500182.00'
T.O.P. EL: 14.92'

CONC CURB

6' CONC WALK

PUMP STATION
N: 1307924.03'
E: 500181.16'
RIM EL: 20.37'

2 - 8" 45° FM BENDS
STA: 41+70.74 , 18.67' RT
N: 1307934.26'
E: 500181.68'
T.O.P. EL: 16.13'
T.O.P. EL: 14.64'

S-1 PROP. C.O.T. TYPE 2 INLET MODIFIED
TOP EL.= ~~20.0~~ 20.37'
THROAT= 18.90
BOTTOM= ~~13.0~~ 13.18'
SEE PUMP DETAILS SH. 13,14&15

CONC CURB

TRANSITION INLET THROAT & TOP ELEV. TO EXIST. PED. RAMP

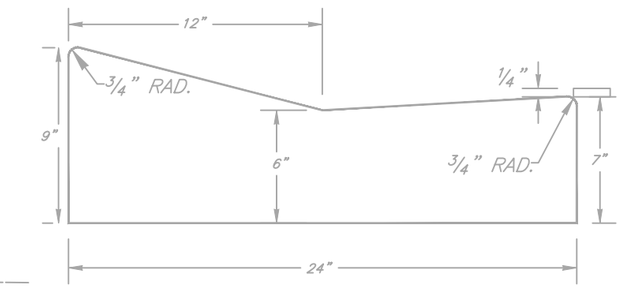
MARJORY AVE.

11+00 S 89°48'40"E 234.65'

TREE BARRICADE

J-11
SEC. 26 T29S R18E

0 20
1"=20'



TYPE "A"
MIAMI CURB & GUTTER

A) CLASS 1 CONCRETE 3,000 P.S.I. AT 28 DAYS.

B) CURB AND GUTTER SHALL MEET THE SPECIFICATIONS ESTABLISHED BY FLORIDA D.O.T. STANDARDS INDEX NO. 300, LATEST REVISION

AS-BUILT SURVEY FOR
HOWARD AVENUE FLOODING RELIEF, CITY OF TAMPA, FLORIDA

THE MAP AND REPORT ARE NOT FULL AND COMPLETE WITHOUT THE OTHER.
SEE SHEET (1) FOR SURVEYOR'S REPORT AND CERTIFICATIONS.

FLS PN: 17023-A1	Ferguson Land Surveyors	PROJECT MGR: TDF
FB 526, PG 10-11		DRAWN BY: JKI
FIELD DATE: 08/03/17		SHEET 03 OF 08

806 FRANKLIN STREET, CLEARWATER, FL 33756 - PH. 727.230.9606 FAX 727.230.9234 - LB No.: 8128

No.	DATE	REVISIONS	No.	DATE	REVISIONS
3			6		
2			5		
1			4		

DES: MTM
DRN: ME
CKD:
DATE:

CITY of TAMPA
Department of Transportation and Stormwater Services
Stormwater Engineering Division

HOWARD AVE. FLOODING RELIEF
CONSTRUCTION PLANS

SHEET 7 OF 17

DRAFT

P:\PRODUCTION_Projects\2017\17023 - COT Howard and Marjory Avenues Pumping Station (Hillsborough)\dwg\As-builts\Howard & Marjory 101416.dwg, 8/4/2017 11:28:00 AM

SW 2017-01

AS-BUILT PLANS

℄ MARJORY AVE.

℄ HOWARD AVE.

PROP. PUMP STA.

P.I.

P.I.

GRADE OVER FORCEMAIN

20.62

20.31

20.62

20.36

19.48

19.35

8" GM

2" Unk.

12" WM

16.13

14.64

14.92

14.92

14.82

14.44

13.81

PROP. 8" HDPE

8" 45° FM BEND

8" PVC FM

8" HDPE FM

8" 90° FM BEND

8" 45° FM BEND

8" 90° FM BEND

PROP. 8" PVC TO 8" HDPE TRANSITION

8" FM TRANSITION

MATCH LINE STA. 43+00

+58

+72 2-45° BENDS TOP EL.=16.45 & 15.30

+90, 18'± RT 90° BEND TOP EL.=15.25

+90, 20'± LT 90° BEND TOP EL.=15.20

+00 TOP EL.=15.25

+50 TOP EL.=15.10

TOP EL.=15.05

42

DRAFT

AS-BUILT SURVEY FOR
HOWARD AVENUE FLOODING RELIEF, CITY OF TAMPA, FLORIDA

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FLS PN: 17023-A1	Ferguson Land Surveyors	PROJECT MGR: TDF
FB 526, PG 10-11		DRAWN BY: JKI
FIELD DATE: 08/03/17		SHEET 04 OF 08

806 FRANKLIN STREET, CLEARWATER, FL 33756 - PH. 727.230.9606 FAX 727.230.9234 - LB No.: 8128

No.	DATE	REVISIONS	No.	DATE	REVISIONS
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DES: MTM
DRN: ME
CKD:
DATE:

CITY of TAMPA
Department of Transportation and Stormwater Services
Stormwater Engineering Division

HOWARD AVE. FLOODING RELIEF

CONSTRUCTION PROFILE

SHEET 8 OF 17

P:\PRODUCTION_Projects\2017\17023 - COT Howard and Marjory Avenues Pumping Station (Hillsborough)\dwg\As-builts\Howard & Marjory 101416.dwg, Marjory-Howard Prof, 8/4/2017 11:28:01 AM

SW 2017-01

AS-BUILT PLANS

J-11
SEC. 26 T29S R18E

0 20
1"=20'

HOWARD AVE.

STA. 43+50, 20'± LT. TOP EL.=15.0

8" HDPE FM
STA: 43+48.13 , 20.30' LT
N: 1308114.11'
E: 500155.84'
T.O.P. EL: 13.89'

30.49 LT

PROP. 8" HDPE

STA. 44+50, 20'± LT.

8" HDPE FM
STA: 44+00.00 , 20.26' LT
N: 1308165.84'
E: 500159.67'
T.O.P. EL: 14.30'

~~STA. 44+70, 20'± LT. TRANSITION FROM 8" HDPE TO 8" PVC TOP EL.=15.5~~

8" HDPE FM
STA: 44+49.90 , 18.62' LT
N: 1308215.49'
E: 500164.94'
T.O.P. EL: 14.64'

MEET EXISTING EDGE OF PAVEMENT

LIMITS OF MILL & OVERLAY

8" HDPE FM
STA: 44+99.40 , 19.04' LT
N: 1308264.88'
E: 500168.13'
T.O.P. EL: 15.59'

PROP. 8" ~~PVC~~

~~2- 8" 45° BENDS @ STA. 45+30, 20'± LT. TOP EL.=16.6 & 18.75~~

8" 45° FM BEND
STA: 45+39.78 , 19
N: 1308305.22'
E: 500170.23'
T.O.P. EL: 18.85'

S-2

GRATE INLET
TOP=21.08
THROAT=20.22
(INACCESSIBLE)

8"-45° BEND @ STA. 45+42, 20'± LT. TOP EL.=18.85

20.30(EX) MATCH LINE STA. 43+00
20.20

SAN. MANHOLE
TOP=20.29
IE (SE)=16.21

CONC MIAMI CURB

4' CONC SHOULDER

BHN FOC

8" GM

SEE DETAIL THIS SHEET

STA. 44+05 SAWCUT EXISTING GUTTER, END MIAMI GUTTER (SEE DETAILS SHEET 7)

MEET EXISTING EDGE OF PAVEMENT

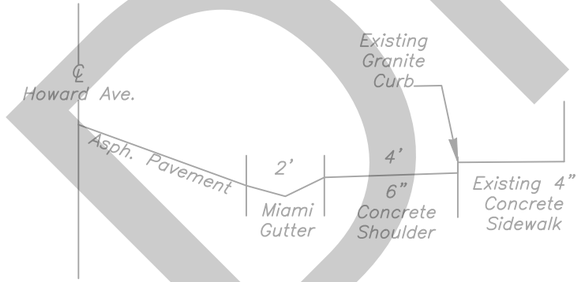
45+05.66
29.36 RT

S-2 STA. 45+46, 25'± LT. CORE EXISTING INLET CONNECT 8" PVC TOP EL.=18.1

NATROUS AVE.

LIMITS OF MILL & OVERLAY

X-CUT FOUND
45+52.32
32.70 RT



DRAFT

AS-BUILT SURVEY FOR
HOWARD AVENUE FLOODING RELIEF, CITY OF TAMPA, FLORIDA

THE MAP AND REPORT ARE NOT FULL AND COMPLETE WITHOUT THE OTHER.
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FLS PN: 17023-A1	Ferguson Land Surveyors	PROJECT MGR: TDF
FB 526, PG 10-11		DRAWN BY: JKI
FIELD DATE: 08/03/17		SHEET 05 OF 08
806 FRANKLIN STREET, CLEARWATER, FL 33756 - PH. 727.230.9606 FAX 727.230.9234 - LB No.: 8128		

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CITY of TAMPA
Department of Transportation and Stormwater Services
Stormwater Engineering Division

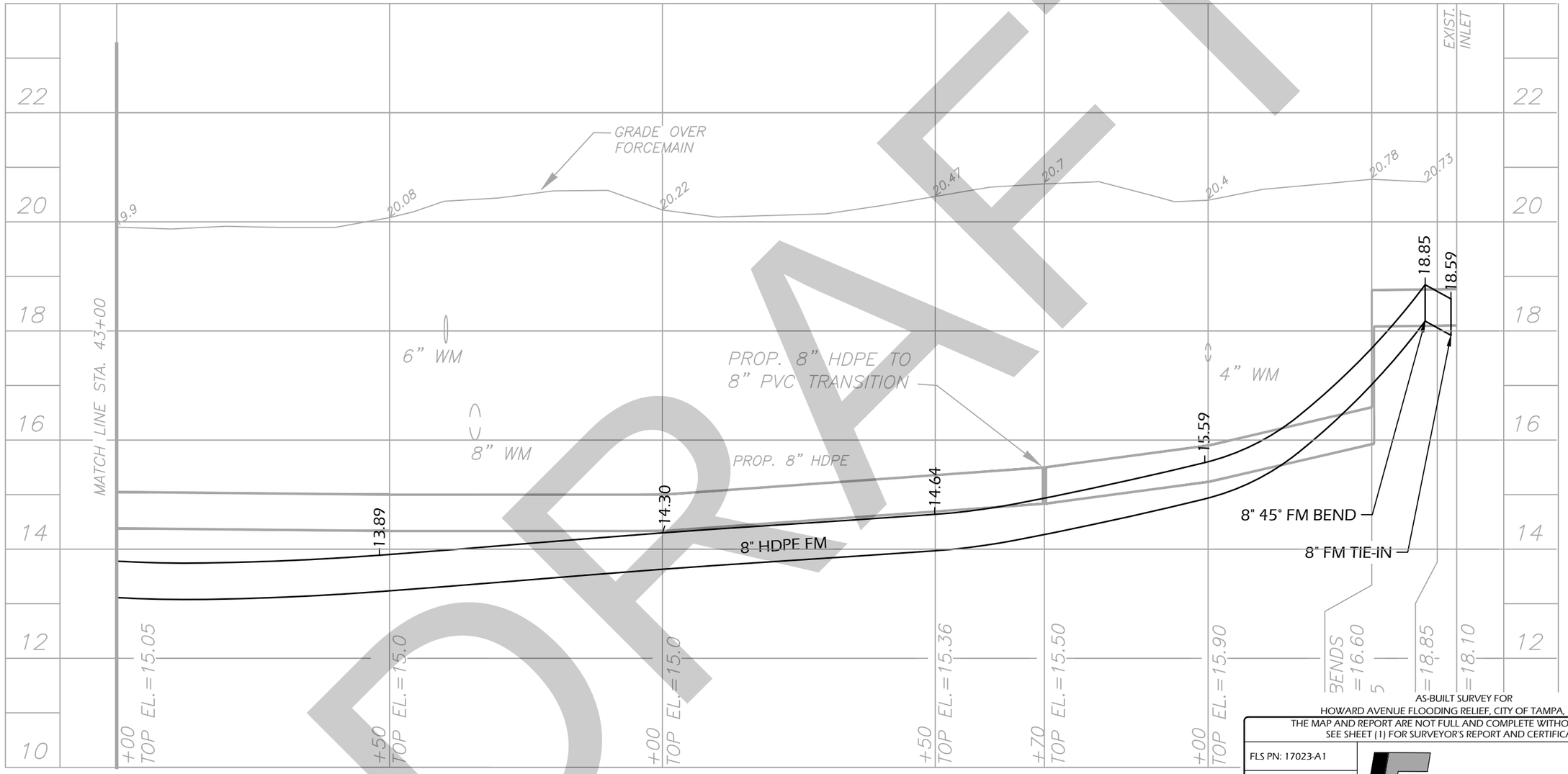
HOWARD AVE. FLOODING RELIEF
CONSTRUCTION PLANS

SHEET 9 OF 17

P:\PRODUCTION_Projects\2017\17023 - COT Howard and Marjory Avenues Pumping Station (Hillsborough)\dwg\As-builts\Howard & Marjory 101416.dwg, Howard Ave Const. Plans, 8/4/2017 11:28:01 AM

SW 2017-01

AS-BUILT PLANS



AS-BUILT SURVEY FOR
HOWARD AVENUE FLOODING RELIEF, CITY OF TAMPA, FLORIDA

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FLS PN: 17023-A1	Ferguson Land Surveyors	PROJECT MGR: TDF
FB 526, PG 10-11		DRAWN BY: JKI
FIELD DATE: 08/03/17		SHEET 06 OF 08

806 FRANKLIN STREET, CLEARWATER, FL 33756 - PH. 727.230.9606 FAX 727.230.9234 - LB No.: 8128

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CITY of TAMPA
Department of Transportation and Stormwater Services
Stormwater Engineering Division

HOWARD AVE. FLOODING RELIEF

CONSTRUCTION PROFILE

SHEET 10 OF 17

DRAFT

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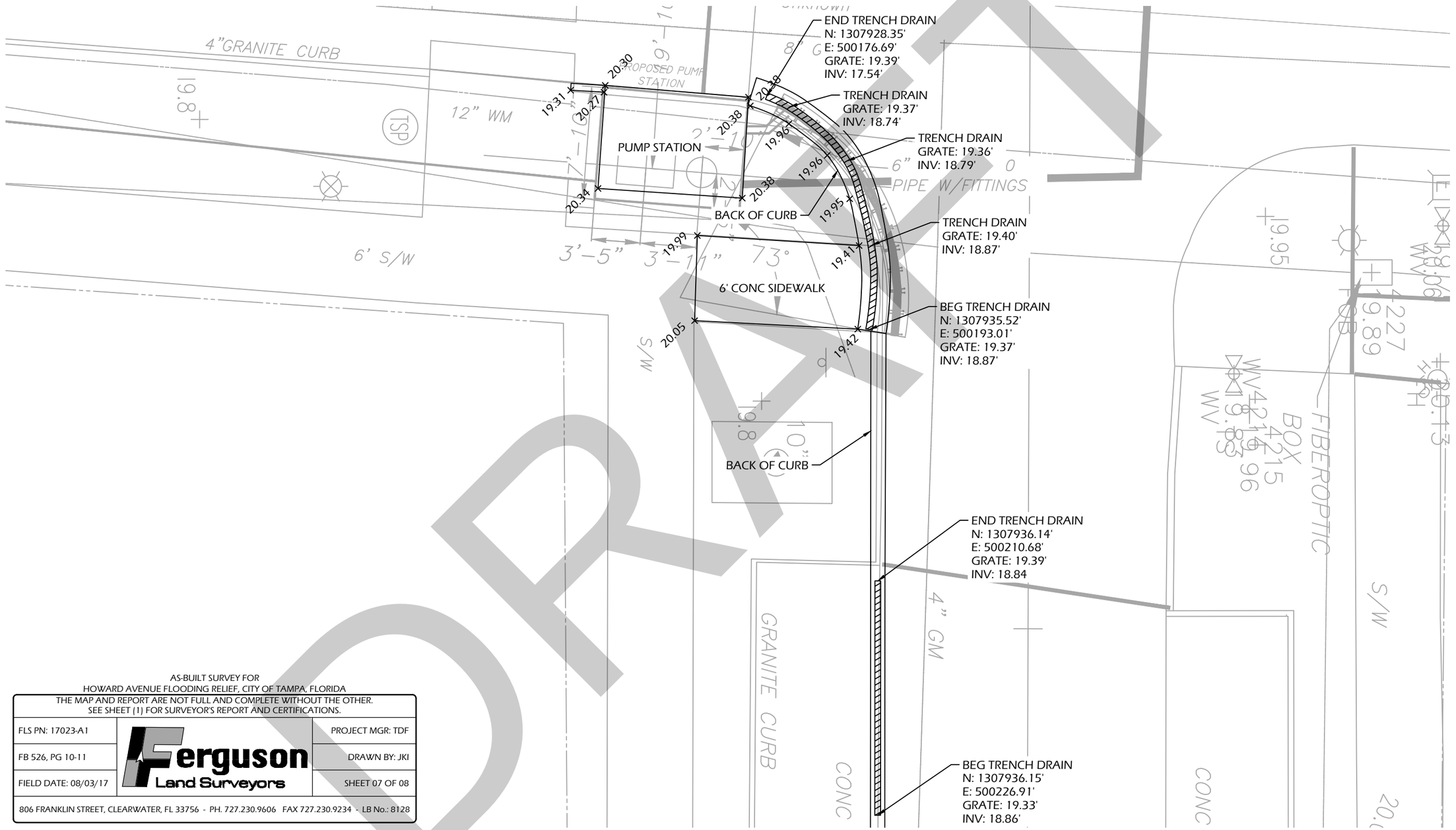
SW 2017-01

AS-BUILT PLANS

J-11
SEC. 26 T29S R18E

N.T.S.



AS-BUILT SURVEY FOR
HOWARD AVENUE FLOODING RELIEF, CITY OF TAMPA, FLORIDA

THE MAP AND REPORT ARE NOT FULL AND COMPLETE WITHOUT THE OTHER.
SEE SHEET (1) FOR SURVEYOR'S REPORT AND CERTIFICATIONS.

FLS PN: 17023-A1	Ferguson Land Surveyors	PROJECT MGR: TDF
FB 526, PG 10-11		DRAWN BY: JKI
FIELD DATE: 08/03/17		SHEET 07 OF 08

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DES: MTM
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CKD:
DATE:

CITY of TAMPA
Department of Transportation and Stormwater Services
Stormwater Engineering Division

HOWARD AVE. FLOODING RELIEF

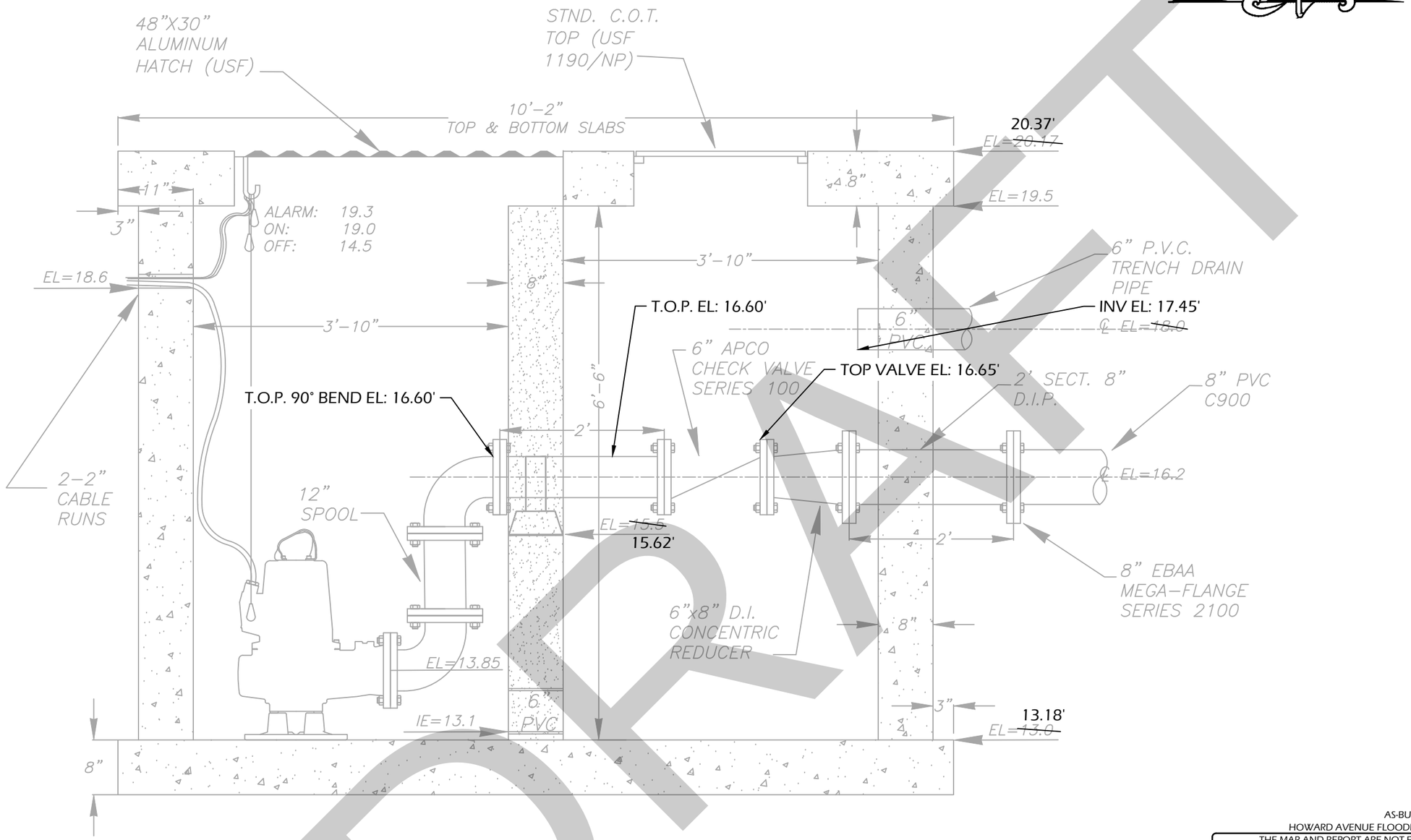
PROPOSED TRENCH DRAIN SITE PLANS

SHEET 12 OF 17

P:\PRODUCTION_Projects\2017\17023 - COT Howard and Marjory Avenues Pumping Station (Hillsborough)\dwg\As-builts\Howard & Marjory Site Plan.dwg, Site Plan w Trench Drain, 8/4/2017 11:28:04 AM

SW 2017-01

AS-BUILT PLANS



PROFILE

Scale: 3/4" = 1'-0"

NOTE:
PUMP, PUMP BASE, FLOATS ALUMINUM HATCH, & CONTROL PANEL TO BE PROVIDED BY CITY. CONTRACTOR RESPONSIBLE TO INSTALL & CONNECT AS DEPICTED.

AS-BUILT SURVEY FOR
HOWARD AVENUE FLOODING RELIEF, CITY OF TAMPA, FLORIDA

THE MAP AND REPORT ARE NOT FULL AND COMPLETE WITHOUT THE OTHER.
SEE SHEET (1) FOR SURVEYOR'S REPORT AND CERTIFICATIONS.

FLS PN: 17023-A1	Ferguson Land Surveyors	PROJECT MGR: TDF
FB 526, PG 10-11		DRAWN BY: JKI
FIELD DATE: 08/03/17		SHEET 08 OF 08
806 FRANKLIN STREET, CLEARWATER, FL 33756 - PH. 727.230.9606 FAX 727.230.9234 - LB No.: 8128		

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Department of Transportation and Stormwater Services
Stormwater Engineering Division

HOWARD AVE. FLOODING RELIEF
PUMP STATION DETAILS

SHEET 14 OF 17

DRAFT

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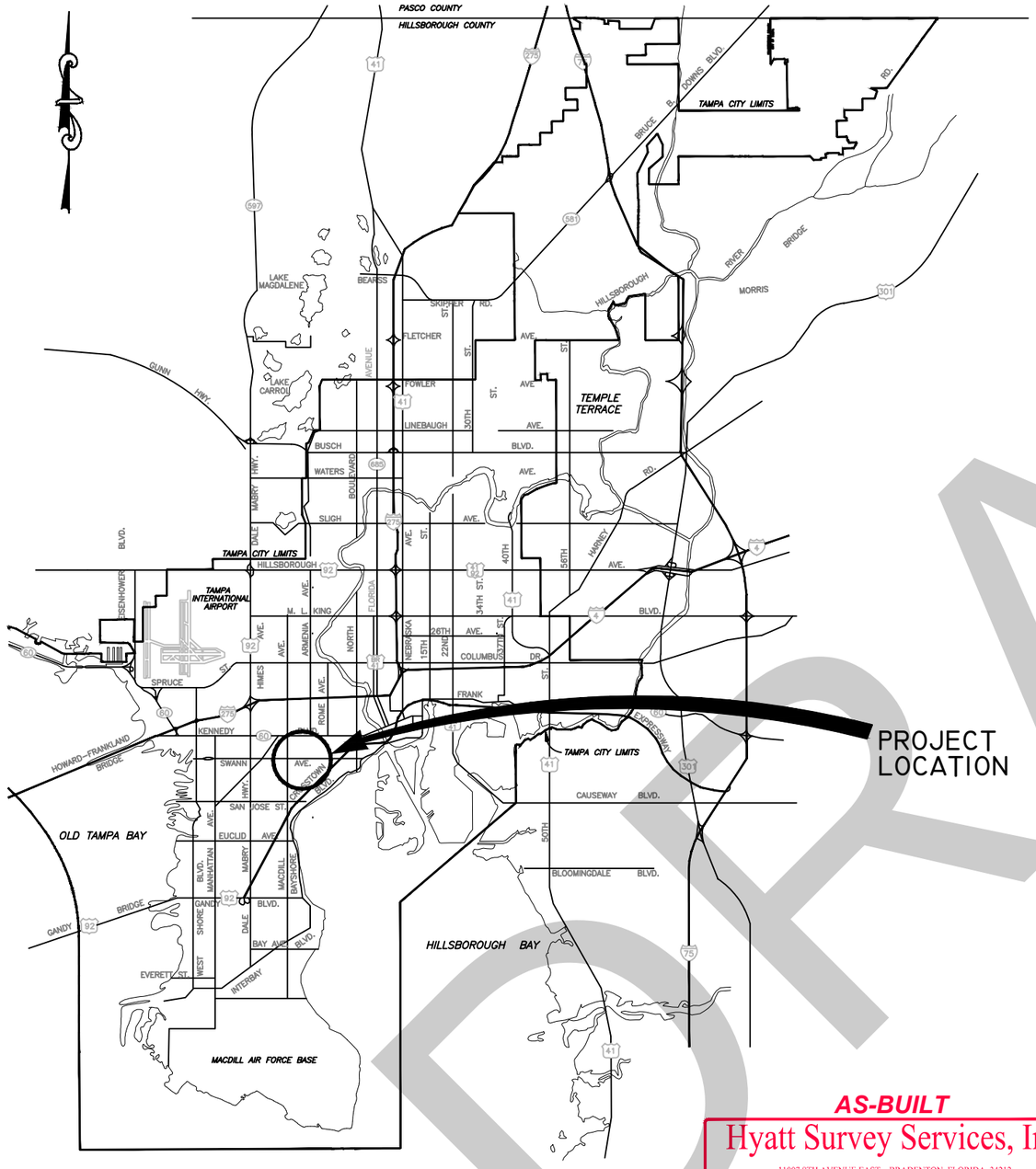
Q.29 Swann Ave Drainage Improvements (SW2018-05)

DRAFT

SW 2018-05



DRAFT

CITY of TAMPA

CITY OF TAMPA FLORIDA
ORGANIZED JULY 15 1887
MASCOTTE

DEPARTMENT OF TRANSPORTATION AND STORMWATER SERVICES
STORMWATER ENGINEERING DIVISION

PLANS FOR
SWANN AVENUE
DRAINAGE IMPROVEMENTS

AS-BUILT

Hyatt Survey Services, Inc.
11007 8TH AVENUE EAST BRADENTON, FLORIDA 34212
PH. (941) 748-4693 FAX (941) 744-1643 LB No.: 7203

CAD FILE:17-2151AB	PROJ MAN: CBW	DRAWN BY: MIJ	CHECKED BY: RPH
PROJ.: 17-2151	FB/PG: VAR.	FIELD DATE: 08/29/17	SCALE: AS SHOWN

THIS SURVEY IS NOT VALID WITHOUT THE SIGNATURE AND ORIGINAL RAISED SEAL OF A FLORIDA LICENSED SURVEYOR AND MAPPER.

RUSSELL P. HYATT, P.S.M.
FLORIDA SURVEYORS REGISTRATION NO. 5303

RICHARD ALFRED HOEL, P.E. #41026
CHIEF ENGINEER

DES:
DRN:
CKD:
DATE:

No.	DATE
3	
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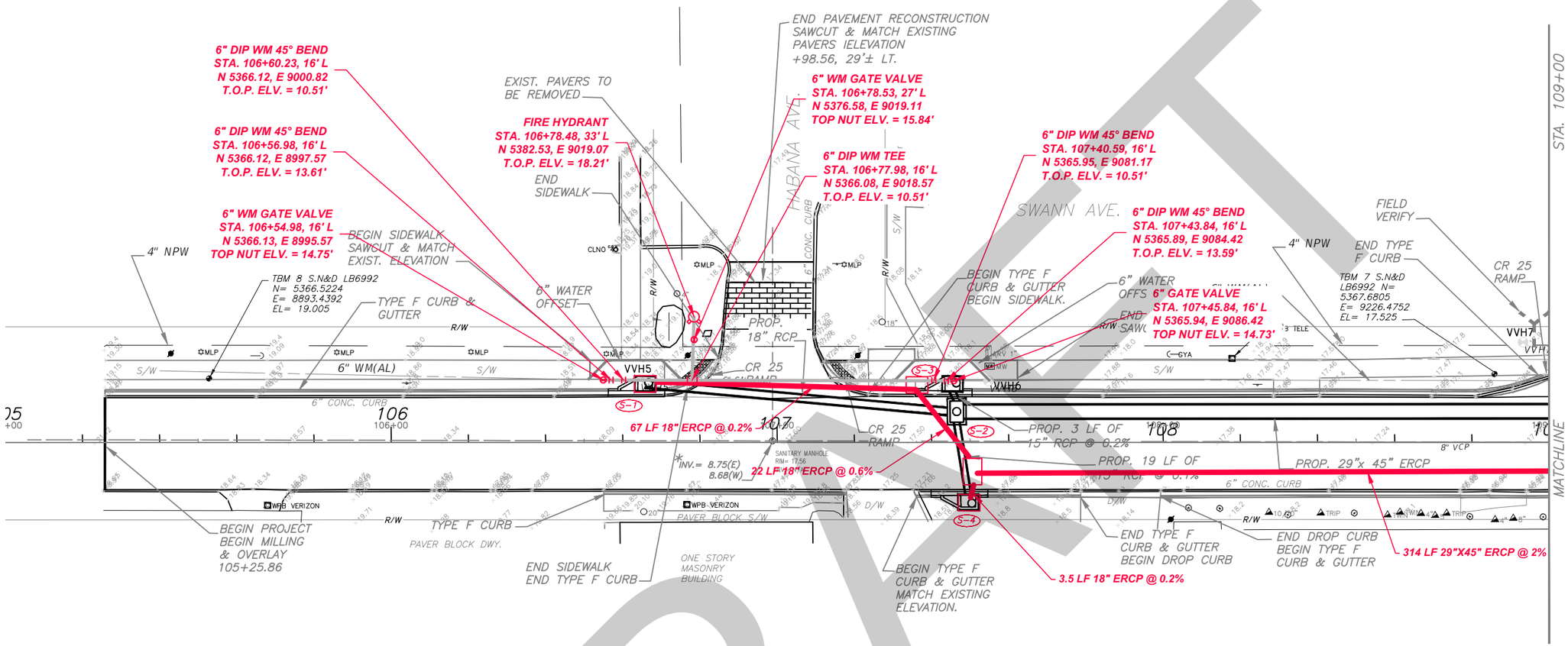
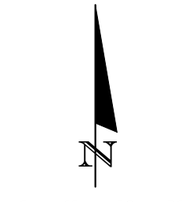
CITY of TAMPA
Department of Transportation and Stormwater Services
Stormwater Engineering Division

COVER SHEET

SHEET 1 OF 16

SW





S 22, T 29, R 18
ATLAS I-10

(S-1) STA. 106+65.80, 15.17' LT.
PROP. CURB INLET TYPE 2
~~18" RCP INV. 12.97 (E)~~
EOP EL 17.40

S-1 MANHOLE
STA. 106+65.72, 15' L
18" RCP INV. 13.10' (E)

(S-2) STA. 107+46.54, 8' LT.
PROP. MANHOLE TYPE J7
J BOTTOM 3.5' X 4.5'
~~24" X 38" ERCP INV. 12.35 (W),~~
~~29" X 45" ERCP INV. 12.35 (E),~~
~~15" RCP INV. 12.91 (N),~~
~~15" RCP INV. 12.78 (S)~~
TOP EL 17.21

S-2 MANHOLE
STA. 107+50.43, 8' R
29"X45" ERCP INV. 12.23' (E)
18" RCP INV. 12.61' (N)
18" RCP INV. 12.67' (S)

(S-3) STA. 107+45.45, 15.15' LT.
PROP. CURB INLET TYPE 2
~~15" RCP INV. 12.97 (S)~~
EOP EL 17.10

S-3 MANHOLE
STA. 107+36.13, 15' L
18" RCP INV. 12.75' (SE)
18" RCP INV. 13.00' (W)

(S-4) STA. 107+49.51, 15.47' RT.
PROP. CURB INLET TYPE 2
~~15" RCP INV. 12.97 (N)~~
EOP EL 17.26

S-4 MANHOLE
STA. 107+49.93, 16' R
18" RCP INV. 13.23' (N)

NOTE: * SANITARY SEWER INVERT ELEVATIONS SHOWN ON THESE PLANS ARE FROM 1954 RECORD DRAWINGS AND HAVE NOT BEEN FIELD VERIFIED.

DRAFT

No.	DATE	REVISIONS
3		**AS-BUILT**
2		
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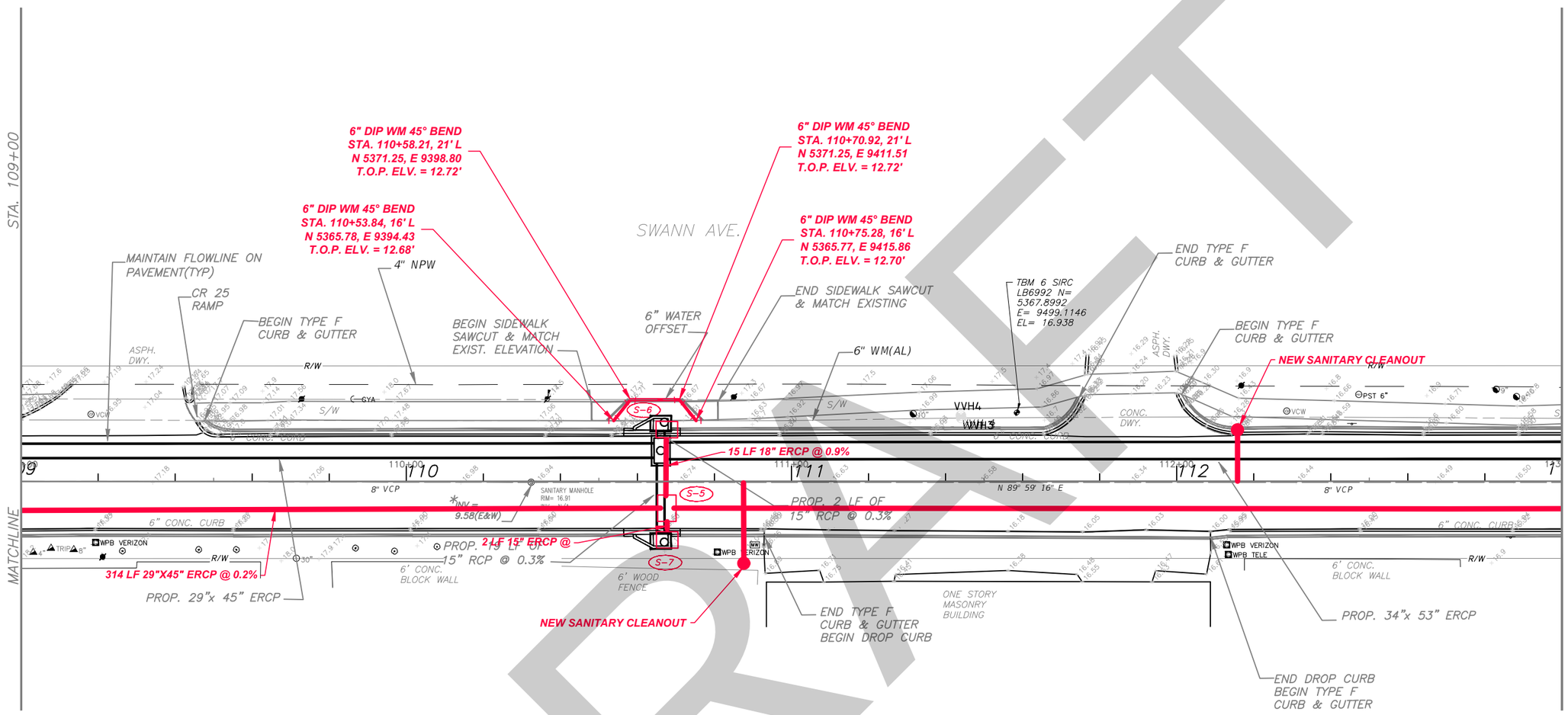
CITY of TAMPA
Department of Transportation and Stormwater Services
Stormwater Engineering Division

SWANN AVE. DRAINAGE IMPROVEMENTS
FROM HABANA AVE. TO TAMPANIA AVE.

SHEET 4 OF 16

SW



N

0 10 20 30

Feet

S 22, T 29, R 18
ATLAS I-10

S-5 STA. 110+66.07, 8' LT.
PROP. MANHOLE TYPE J7
3.5' X 6.5' J BOTTOM
~~29" X 45" ERCP INV. 11.72 (W)~~
~~34" X 53" ERCP INV. 11.72 (E)~~
~~15" RCP INV. 13.00 (N),~~
~~15" RCP INV. 13.00 (S)~~
TOP EL 16.58

S-5 MANHOLE
STA. 110+67.30, 7' R
29"X45" ERCP INV. 11.61' (W)
34"X53" ERCP INV. = 11.67' (E)
18" RCP INV. 12.67' (N)
15" RCP INV. 12.80' (S)

S-6 STA. 110+66.07, 15.06' LT.
PROP. CURB INLET TYPE 2
~~15" RCP INV. 13.02 (S)~~
EOP EL 16.11

S-6 MANHOLE
STA. 110+67.41, 13' L
18" RCP INV. 12.81' (S)

S-7 STA. 110+66.07, 15.48' RT.
PROP. CURB INLET TYPE 2
~~15" RCP INV. 13.20 (N)~~
EOP EL 16.20

S-7 MANHOLE
STA. 110+67.99, 15' R
15" RCP INV. 12.88' (N)

NOTE: * SANITARY SEWER INVERT ELEVATIONS SHOWN ON THESE PLANS ARE FROM 1954 RECORD DRAWINGS AND HAVE NOT BEEN FIELD VERIFIED.

DRAFT

No.	DATE	REVISIONS
3		**AS-BUILT**
2		
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DES:
DRN:
CKD:
DATE:

CITY of TAMPA
Department of Transportation and Stormwater Services
Stormwater Engineering Division

SWANN AVE. DRAINAGE IMPROVEMENTS
FROM HABANA AVE. TO TAMPANIA AVE.

SHEET 6 OF 24

SW

S-8 STA. 113+42.34, 14.96' LT.
PROP. CURB INLET TYPE 2
3.5' X 6.5' J BOTTOM
~~24" RCP INV. 11.60 (NE)~~
EOP EL 15.81

S-8 MANHOLE
STA. 113+44.35, 13' L
12" DIP INV. 13.85' (SE)

S-9 ~~STA. 113+62.15, 23' LT.~~
~~CONNECT 24" RCP TO EXIST. MH~~
~~INV. 11.50 (SW)~~

S-10 STA. 113+47.05, 15.49' RT.
PROP. CURB INLET TYPE 2
~~12"x18" ERCP INV. 14.10 (SE)~~
EOP EL 15.86

S-11 STA. 113+65.31, 8.38' LT.
PROP. MANHOLE TYPE P7
5.5' X 6.5' J BOTTOM
34" X 53" ERCP INV. 11.12 (W)
EXISTING 42" RCP INV. 11.12
(N, S)
TOP EL 16.19

S-11 MANHOLE
STA. 113+44.34, 7' R
34"X53" ERCP INV. 11.45' (W)
42" RCP INV. 13.77' (E)
12" DIP INV. 12.09' (NW)

S-12 ~~STA. 113+60.97, 35.44' LT.~~
~~PROP. CURB INLET TYPE 2~~
~~J BOTTOM 2.5' X 7'~~
~~18" RCP INV. 13.00 (E)~~
~~EXISTING 36" RCP INV. 11.20 (N, S)~~
~~EOP EL 16.25~~

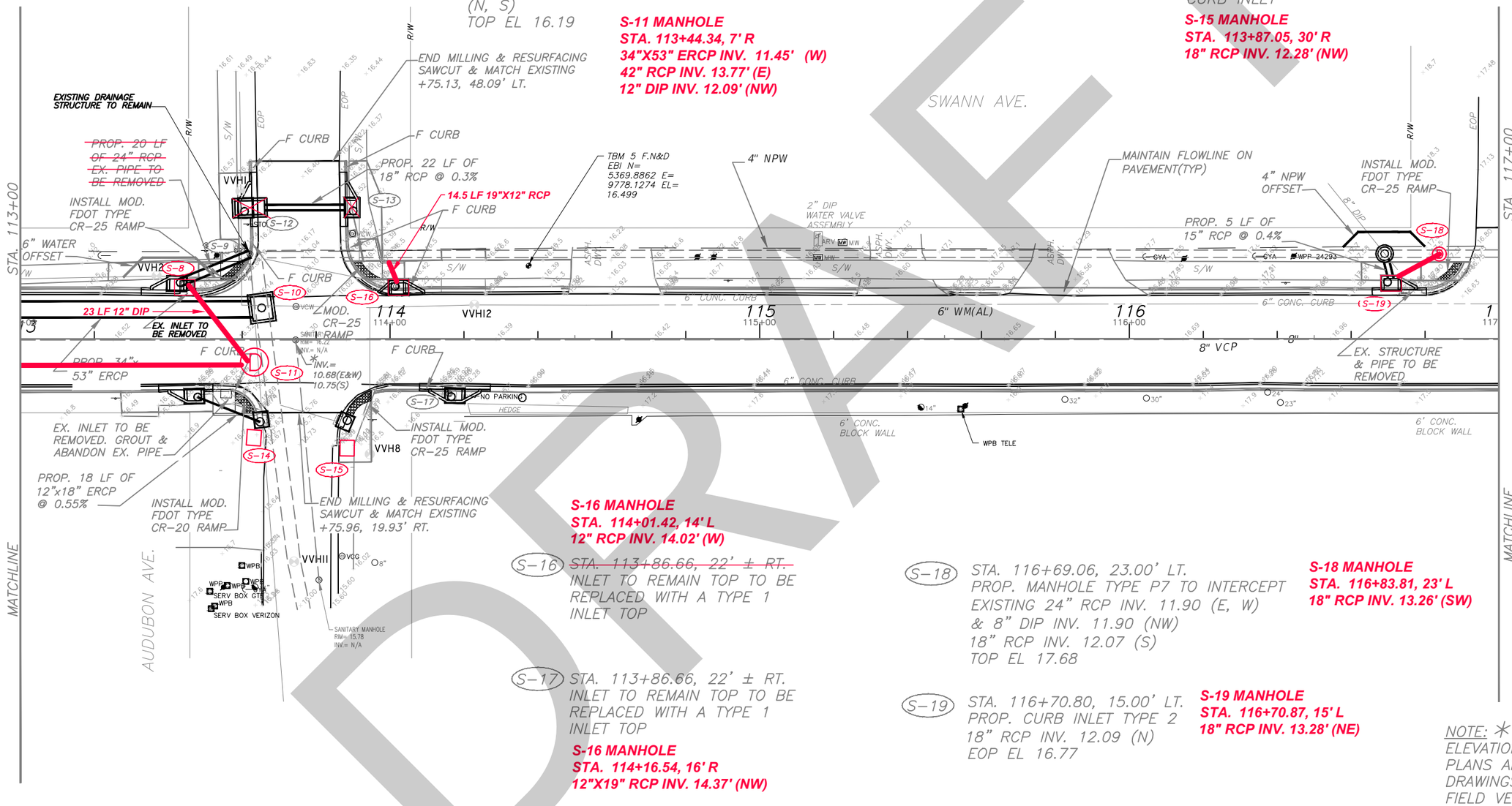
S-13 ~~STA. 113+89.76, 35.56' LT.~~
~~PROP. CURB INLET TYPE 2~~
~~18" RCP INV. 13.22 (W)~~
~~EOP EL 16.13~~

S-14 STA. 113+65.66, 22' ± RT.
CONNECT TO EX. CURB INLET
INLET TO REMAIN TOP TO BE
MODIFIED TO INSTALL TYPE 1
CURB INLET
~~12"x18" ERCP INV. 14.00(NW)~~
EOP EL 15.63

S-14 MANHOLE
STA. 113+63.57, 27' R
18" RCP INV. 12.96' (SE)

S-15 STA. 113+86.66, 22' ± RT.
INLET TO REMAIN TOP TO BE
MODIFIED TO INSTALL TYPE 1
CURB INLET

S-15 MANHOLE
STA. 113+87.05, 30' R
18" RCP INV. 12.28' (NW)



S-16 ~~STA. 113+86.66, 22' ± RT.~~
~~INLET TO REMAIN TOP TO BE~~
~~REPLACED WITH A TYPE 1~~
~~INLET TOP~~

S-16 MANHOLE
STA. 114+01.42, 14' L
12" RCP INV. 14.02' (W)

S-17 STA. 113+86.66, 22' ± RT.
INLET TO REMAIN TOP TO BE
REPLACED WITH A TYPE 1
INLET TOP

S-16 MANHOLE
STA. 114+16.54, 16' R
12"X19" RCP INV. 14.37' (NW)

S-18 STA. 116+69.06, 23.00' LT.
PROP. MANHOLE TYPE P7 TO INTERCEPT
EXISTING 24" RCP INV. 11.90 (E, W)
& 8" DIP INV. 11.90 (NW)
18" RCP INV. 12.07 (S)
TOP EL 17.68

S-18 MANHOLE
STA. 116+83.81, 23' L
18" RCP INV. 13.26' (SW)

S-19 STA. 116+70.80, 15.00' LT.
PROP. CURB INLET TYPE 2
18" RCP INV. 12.09 (N)
EOP EL 16.77

S-19 MANHOLE
STA. 116+70.87, 15' L
18" RCP INV. 13.28' (NE)

N

0 10 20 30
Feet

S 22, T 29, R 18
ATLAS I-10

NOTE: ✳ SANITARY SEWER INVERT ELEVATIONS SHOWN ON THESE PLANS ARE FROM 1954 RECORD DRAWINGS AND HAVE NOT BEEN FIELD VERIFIED.

DRAFT

No.	DATE	REVISIONS
3		**AS-BUILT**
2		
1		

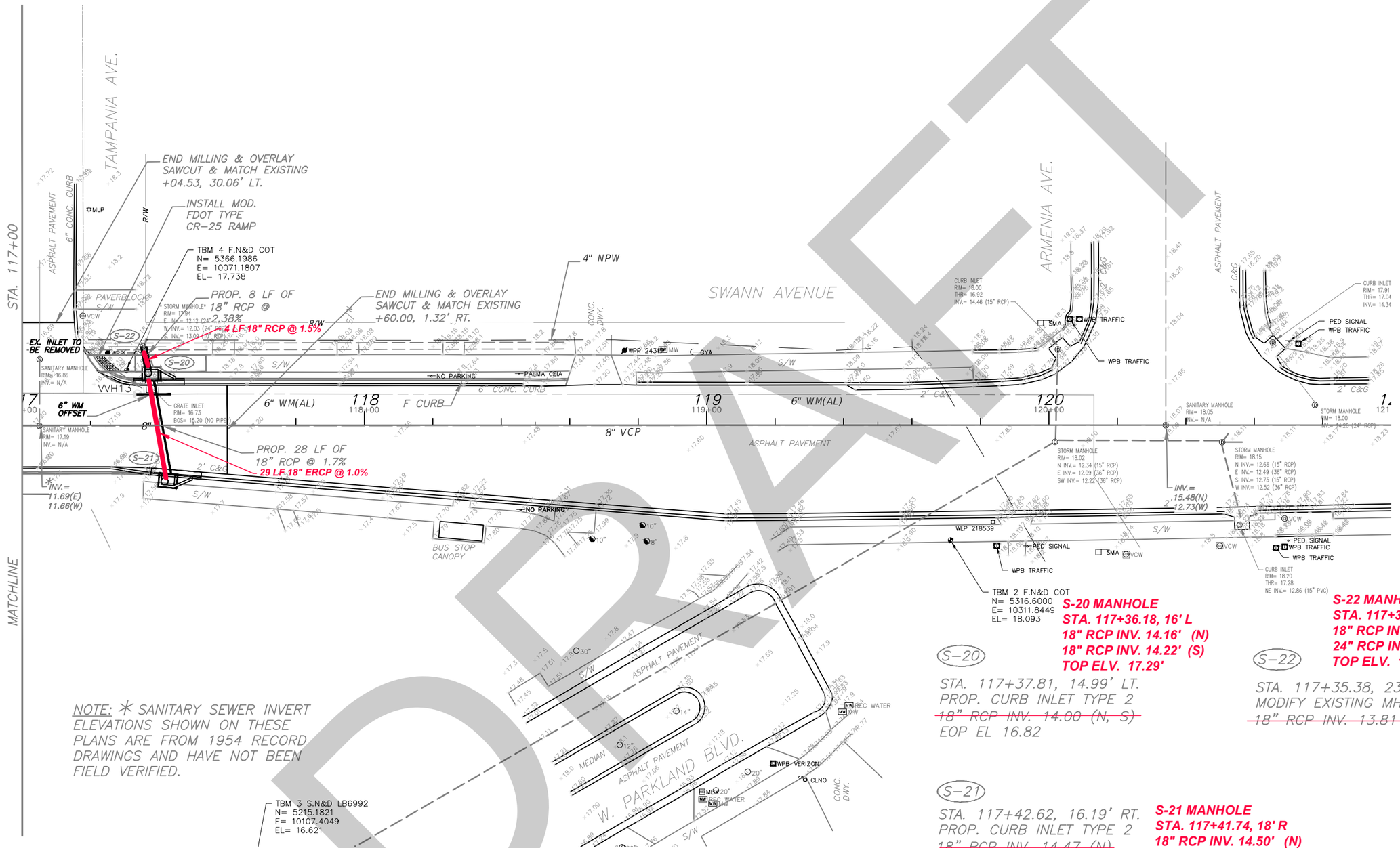
DES:
DRN:
CKD:
DATE:

CITY of TAMPA
Department of Transportation and Stormwater Services
Stormwater Engineering Division

SWANN AVE. DRAINAGE IMPROVEMENTS
FROM HABANA AVE. TO TAMPANIA AVE.

SHEET 8 OF 24

SW



NOTE: ✳ SANITARY SEWER INVERT ELEVATIONS SHOWN ON THESE PLANS ARE FROM 1954 RECORD DRAWINGS AND HAVE NOT BEEN FIELD VERIFIED.

S-20 MANHOLE
STA. 117+36.18, 16' L
18" RCP INV. 14.16' (N)
18" RCP INV. 14.22' (S)
TOP ELV. 17.29'

S-20

STA. 117+37.81, 14.99' LT.
PROP. CURB INLET TYPE 2
~~18" RCP INV. 14.00 (N, S)~~
EOP EL 16.82

S-22 MANHOLE
STA. 117+35.32, 22' L
18" RCP INV. 14.10' (N)
24" RCP INV. 11.98' (S)
TOP ELV. 17.92'

S-22

STA. 117+35.38, 23' LT.
MODIFY EXISTING MH TO CONNECT NEW
~~18" RCP INV. 13.81 (S)~~

S-21

STA. 117+42.62, 16.19' RT.
PROP. CURB INLET TYPE 2
~~18" RCP INV. 14.47 (N)~~
EOP EL 17.07

S-21 MANHOLE
STA. 117+41.74, 18' R
18" RCP INV. 14.50' (N)
TOP ELV. 17.56'

N

0 10 20 30
Feet

S 22, T 29, R 18
ATLAS I-10

DRAFT

No.	DATE	REVISIONS
3		**AS-BUILT**
2		
1		

DES:
DRN:
CKD:
DATE:

CITY of TAMPA
Department of Transportation and Stormwater Services
Stormwater Engineering Division

SWANN AVE. DRAINAGE IMPROVEMENTS
FROM HABANA AVE. TO TAMPANIA AVE.

SHEET 10 OF 24

Q.30 Topographic Survey – Howard and Bayshore

DRAFT

SECTION 26 TOWNSHIP 29 SOUTH RANGE 18 EAST

CITY OF TAMPA HILLSBOROUGH COUNTY FLORIDA



GRAPHIC SCALE

20 0 10 20 40

(IN FEET)
1 inch = 20 ft.

LEGEND

NOT TO SCALE

FND	FOUND
FCIR	FOUND CAPPED IRON ROD (SIZE NOTED)
FCM	FOUND CONCRETE MONUMENT (SIZE NOTED)
FIP	FOUND IRON PIPE (SIZE NOTED)
FIR	FOUND IRON ROD (SIZE NOTED)
FN&D	FOUND NAIL & BRASS DISK
FPP	FOUND PINCHED PIPE (SIZE NOTED)
FRRS	FOUND RAILROAD SPIKE
SCIR	SET 1/2" CAPPED IRON ROD "LB 4513"
SN&D	SET NAIL & BRASS DISK "LB 4513"
LB	LICENSED BUSINESS
PLS	PROFESSIONAL LAND SURVEYOR
(C)	CALCULATED
(R)	RECORDED
PB	PLAT BOOK
PG	PAGE
BFP	BACKFLOW PREVENTER
DCV	DOUBLE CHECK VALVE
FFE	FINISH FLOOR ELEVATION
INV	INVERT
ORB	OFFICIAL RECORDS BOOK
R/W	RIGHT OF WAY
TBM	TEMPORARY BENCHMARK
TOB	TOP OF BANK
TOS	TOE OF SLOPE
A/C	AIR CONDITIONER
BWF	BARB WIRE FENCE
CLF	CHAIN LINK FENCE
WDF	WOOD PANEL FENCE
CMP	CORRUGATED METAL PIPE
DIP	DUCTILE IRON PIPE
ERCP	ELLIPTICAL REINFORCED CONCRETE PIPE
HDPE	HIGH DENSITY POLYETHYLENE PIPE
PVC	POLYVINYL CHLORIDE PIPE
VCP	VITRIFIED CLAY PIPE
RCP	REINFORCED CONCRETE PIPE
MES	MITERED END SECTION
FOC	FIBER OPTIC CABLE
OHE	OVERHEAD ELECTRIC
TRAN	TRANSFORMER
TP IR	TRAVERSE POINT IRON ROD
TP SN	TRAVERSE POINT SET NAIL
R	RADIUS
L	ARC LENGTH
Δ	DELTA ANGLE
CB	CHORD BEARING
C	CHORD LENGTH
CTV	PAINT OR FLAG MARKING UG CABLE TELEVISION LINE
E	PAINT OR FLAG MARKING UG ELECTRIC
FOC	PAINT OR FLAG MARKING UG FOC
G	PAINT OR FLAG MARKING UG GAS LINE
RCW	PAINT OR FLAG MARKING UG RECLAIMED WATER
S	PAINT OR FLAG MARKING UG SANITARY SEWER
TRAF	PAINT OR FLAG MARKING UG TRAFFIC LINE
VZ	PAINT OR FLAG MARKING UG VERIZON LINE
W	PAINT OR FLAG MARKING UG WATER LINE
	BENCHMARK
	BOLLARD/POST
ATV	BURIED CATV MARKER POST
TV	CABLE TV BOX
	CONCRETE LIGHT POLE
	CONCRETE UTILITY POLE
	CLEANOUT
	DECORATIVE LIGHT
	ELECTRIC BOX
E	ELECTRIC MANHOLE
	ELECTRIC METER
	FIBER OPTIC CABLE BOX
	FIRE HYDRANT
	FIRE DEPARTMENT CONNECTION
GM	GAS MARKER POST
	GAS METER/REGULATOR
	GAS VALVE
GT	GREASE-TRAP MANHOLE
	GUY WIRE
	IRRIGATION CONTROL VALVE
	MAIL BOX
	METAL UTILITY POLE
MW	MONITOR WELL
	RECLAIMED WATER METER BOX
	RECLAIMED WATER VALVE
	ROOF DRAIN
S	SANITARY MANHOLE
	SANITARY VALVE
	SIGN
	SOIL BORING LOCATION
D	STORM OR DRAINAGE MANHOLE
	STREET LIGHT ACCESS BOX
T	TELECOMMUNICATIONS MANHOLE
	TELEPHONE BOX
	TELEPHONE LINE MARKER POST
	TRAFFIC SIGNAL ACCESS BOX
	TRAFFIC SIGNAL POLE
	VERIZON ACCESS BOX
W	WATER MANHOLE
	WATER VALVE
	WATER METER BOX
W	WELL
	WOOD LIGHT POLE
	WOOD UTILITY POLE

NOTES:
1. NO UNDERGROUND INSTALLATIONS OR IMPROVEMENTS HAVE BEEN LOCATED EXCEPT AS SHOWN.
2. NO INSTRUMENTS OF RECORD REFLECTING EASEMENTS, RIGHT OF WAY AND/OR OWNERSHIP WERE FURNISHED TO THIS SURVEYOR EXCEPT AS SHOWN.
3. THIS SURVEY DOES NOT REFLECT OR DETERMINE OWNERSHIP.
4. USE OF THIS SURVEY BY ANYONE OTHER THAN THOSE PREPARED FOR WILL BE THE RE-USERS SOLE RISK WITHOUT LIABILITY TO THE SURVEYOR.
5. THERE MAY BE ITEMS DRAWN OUT OF SCALE TO GRAPHICALLY SHOW THEIR LOCATION.
6. THE SURVEY WAS PREPARED WITHOUT THE BENEFIT OF A CURRENT TITLE COMMITMENT AND IS SUBJECT TO EASEMENTS, RIGHTS-OF-WAY AND SIMILAR MATTERS OF TITLE.
7. NOT VALID WITHOUT THE SIGNATURE AND THE ORIGINAL RAISED SEAL OF A FLORIDA LICENSED SURVEYOR AND MAPPER.
8. THE HORIZONTAL DATUM IS TIED TO THE FLORIDA STATE PLANE COORDINATE SYSTEM (GRID), WEST ZONE NORTH AMERICAN DATUM 1983, ADJUSTMENT 2011.
9. ELEVATIONS SHOWN HEREON ARE IN FEET AND REFER TO THE NORTH AMERICAN VERTICAL DATUM OF 1988. (N.A.V.D.) REFERENCE BENCHMARK No.1: HV-02 0136 ELEVATION = 4.635', REFERENCE BENCHMARK No.2: HV-02 0134 ELEVATION = 20.240'
10. THIS SURVEY IS FOR TOPOGRAPHIC PURPOSES AND IS NOT A BOUNDARY SURVEY.
11. BEARINGS AND DISTANCES ARE MEASURED UNLESS OTHERWISE NOTED.
12. BASIS OF BEARING IS GRID NORTH.

DRAFT

No.	Date	DESCRIPTION	BY
4			
3			
2			
1			

Revisions

Project No. 19038
Field Book
xx
Page
xx

CREW CHIEF DMC
CHECKED BY KKM
DRAWN BY KKM

TOPOGRAPHIC SURVEY
HOWARD AND BAYSHORE

PREPARED FOR: CITY OF TAMPA

SURVEYOR'S CERTIFICATE:
I hereby certify that this survey was prepared under my RESPONSIBLE CHARGE on the date(s) shown, and meets the STANDARDS OF PRACTICE set forth by the FLORIDA BOARD OF PROFESSIONAL SURVEYORS AND MAPPERS in CHAPTER 5J-17, FLORIDA ADMINISTRATIVE CODE pursuant to Section 472.027, FLORIDA STATUTES.
NOT VALID WITHOUT THE SIGNATURE AND ORIGINAL RAISED SEAL OF A FLORIDA LICENSED SURVEYOR AND MAPPER.

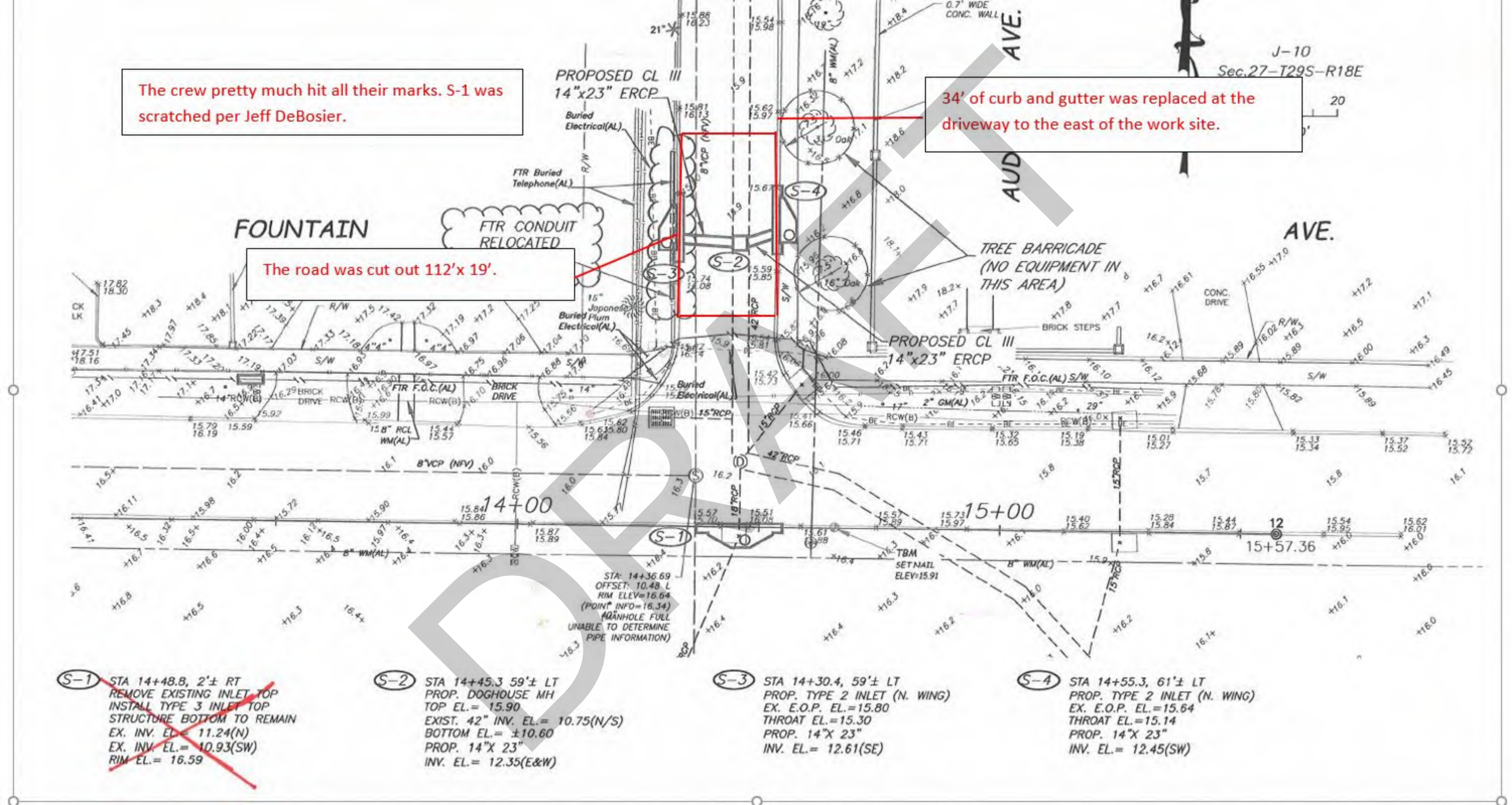
7/15/19
DATE OF FIELD SURVEY

KYLE McCLUNG, LS 7177

SUNCOAST LAND SURVEYING, Inc.
111 FOREST LAKES BOULEVARD
OLDSMAR, FLA. 34677
BOUNDARY – TOPOGRAPHIC – CONSTRUCTION STAKEOUT
PH: (813) 854-1342 SLSURVEY@TAMPABAY.RR.COM
LB 4513

Q.31 Parkland Estates Flooding Relief (SW2021-01)

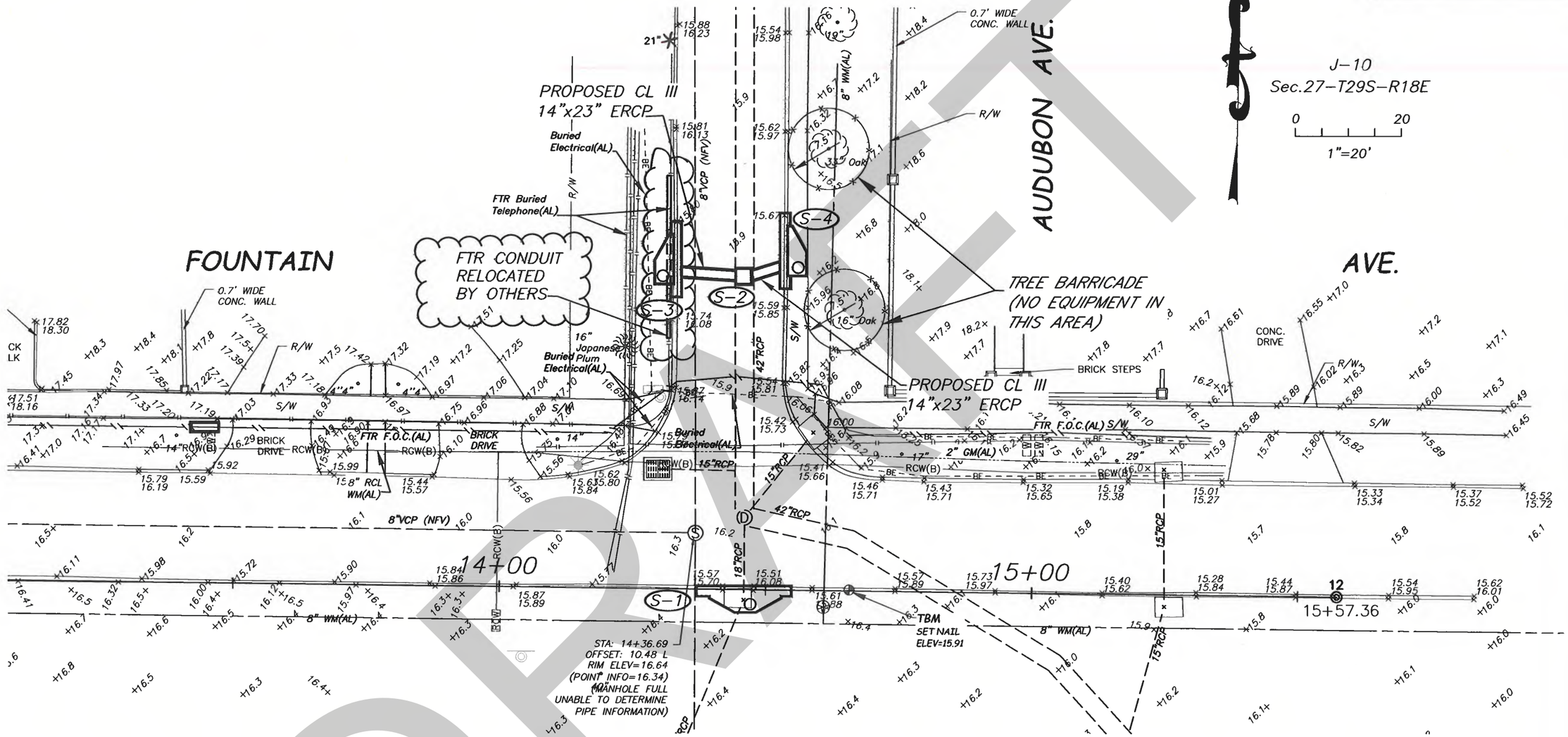
DRAFT


The crew pretty much hit all their marks. S-1 was scratched per Jeff DeBosier.
34' of curb and gutter was replaced at the driveway to the east of the work site.
The road was cut out 112'x 19'.
PROPOSED CL III
14"x23" ERCP
FOUNTAIN
FTR CONDUIT
RELOCATED
TREE BARRICADE
(NO EQUIPMENT IN
THIS AREA)
AVE.
J-10
Sec.27-T29S-R18E
14+00
15+00
15+57.36
S-1
S-2
S-3
S-4
TBM
SET NAIL
ELEV=15.91
STA: 14+36.69
OFFSET: 10.48 L
RIM ELEV=16.64
(POINT INFO=16.34)
(MANHOLE FULL
UNABLE TO DETERMINE
PIPE INFORMATION)
S-1 STA 14+48.8, 2'± RT
REMOVE EXISTING INLET TOP
INSTALL TYPE 3 INLET TOP
STRUCTURE BOTTOM TO REMAIN
EX. INV. EL.= 11.24(N)
EX. INV. EL.= 10.93(SW)
RIM EL.= 16.59
S-2 STA 14+45.3 59'± LT
PROP. DOGHOUSE MH
TOP EL.= 15.90
EXIST. 42" INV. EL.= 10.75(N/S)
BOTTOM EL.= ±10.60
PROP. 14"X 23"
INV. EL.= 12.35(E&W)
S-3 STA 14+30.4, 59'± LT
PROP. TYPE 2 INLET (N. WING)
EX. E.O.P. EL.=15.80
THROAT EL.=15.30
PROP. 14"X 23"
INV. EL.= 12.61(SE)
S-4 STA 14+55.3, 61'± LT
PROP. TYPE 2 INLET (N. WING)
EX. E.O.P. EL.=15.64
THROAT EL.=15.14
PROP. 14"X 23"
INV. EL.= 12.45(SW)
DRAFT

SW 2021-01

J-10
Sec.27-T29S-R18E

0 20
1"=20'



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REMOVE EXISTING INLET TOP
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THROAT EL.=15.14
PROP. 14"X 23"
INV. EL.= 12.45(SW)

DRAFT

Plot Date: Thursday, October 01, 2020

RICHARD ALFRED HOEL, P.E. #41026
CHIEF ENGINEER

No.	DATE	REVISIONS
3		
2		
1		

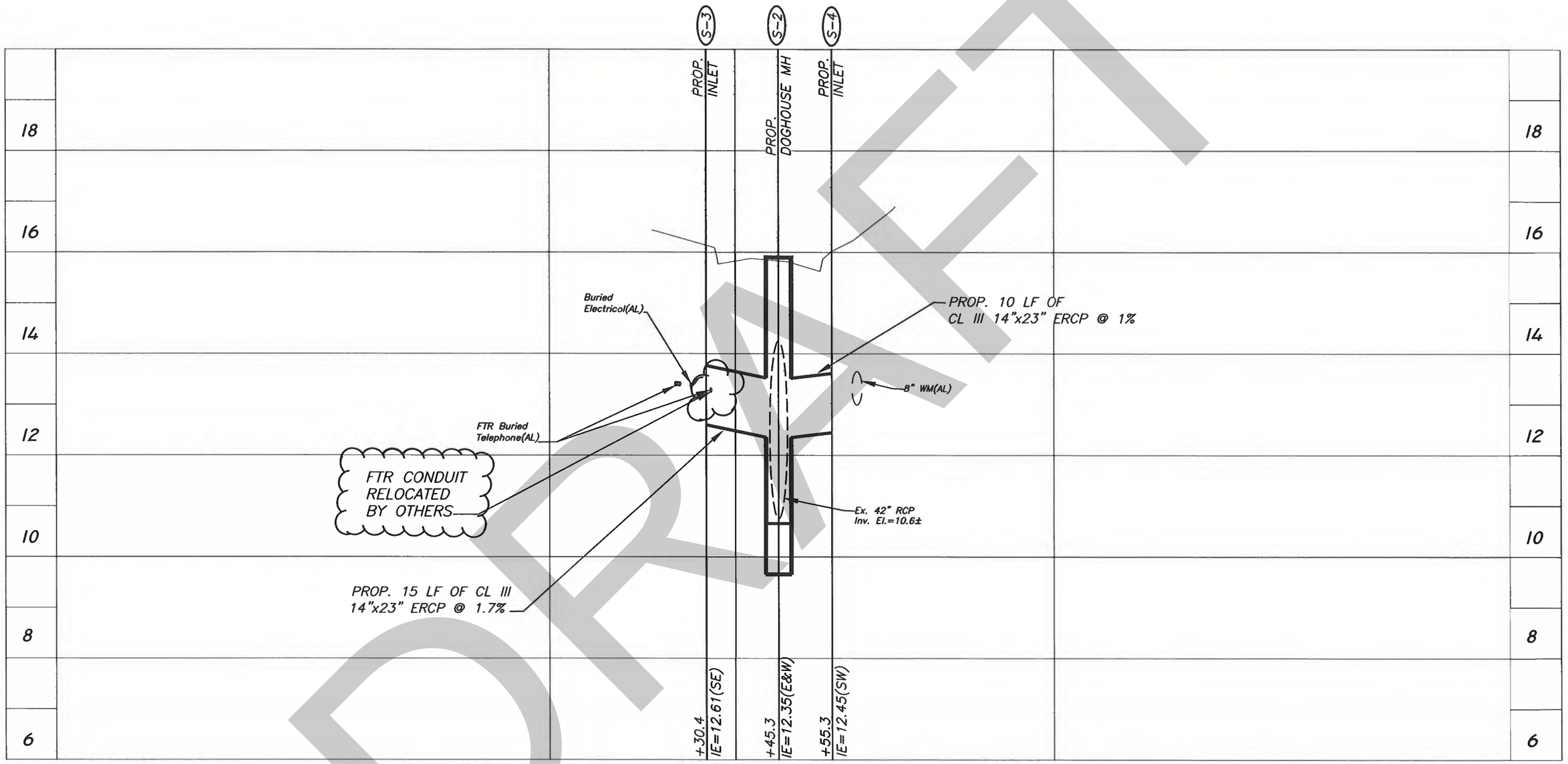
DES: RH/YP
DRN:
CKD:
DATE:

CITY of TAMPA
Mobility Department
Stormwater Engineering Division

PARKLAND ESTATES
FLOODING RELIEF

SHEET 1 OF 2

SW 2021-01



DRAFT

Plot Date: Thursday, October 01, 2020

No.	DATE	REVISIONS	No.	DATE	REVISIONS
3			6		
2			5		
1			4		

DES: RH/YP
DRN: AB
CKD: BC
DATE: 12/2020

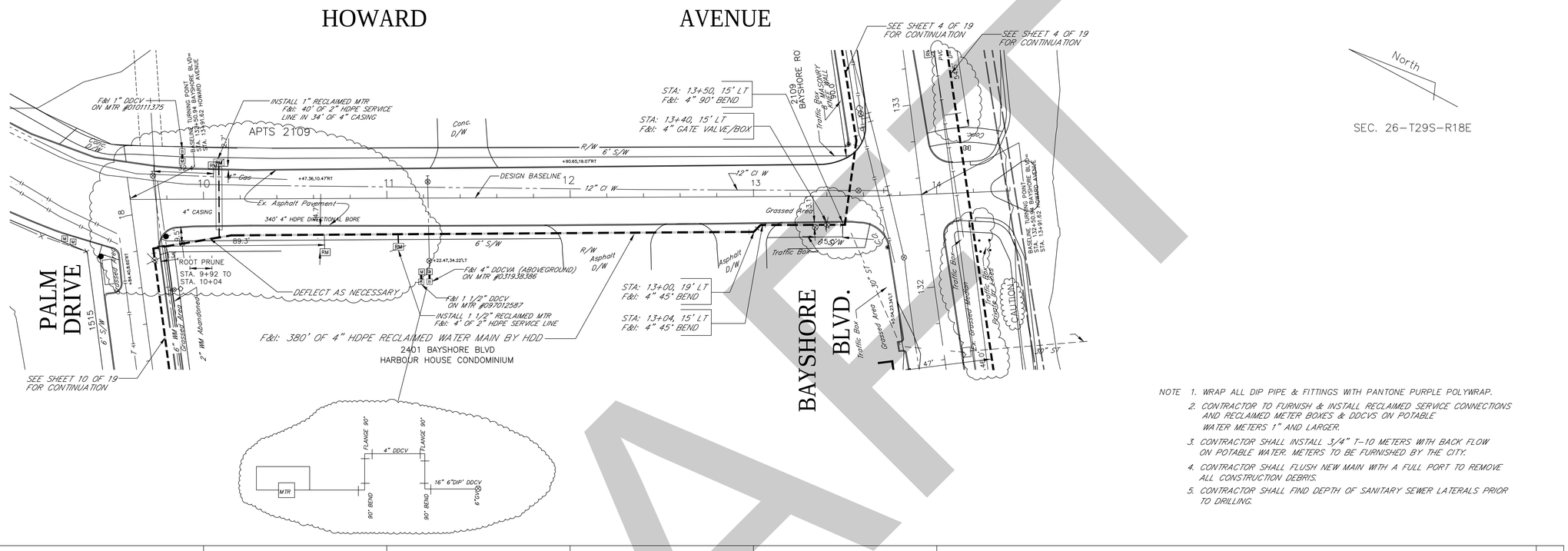
CITY of TAMPA
Mobility Department
Stormwater Engineering Division

PARKLAND ESTATES
FLOODING RELIEF

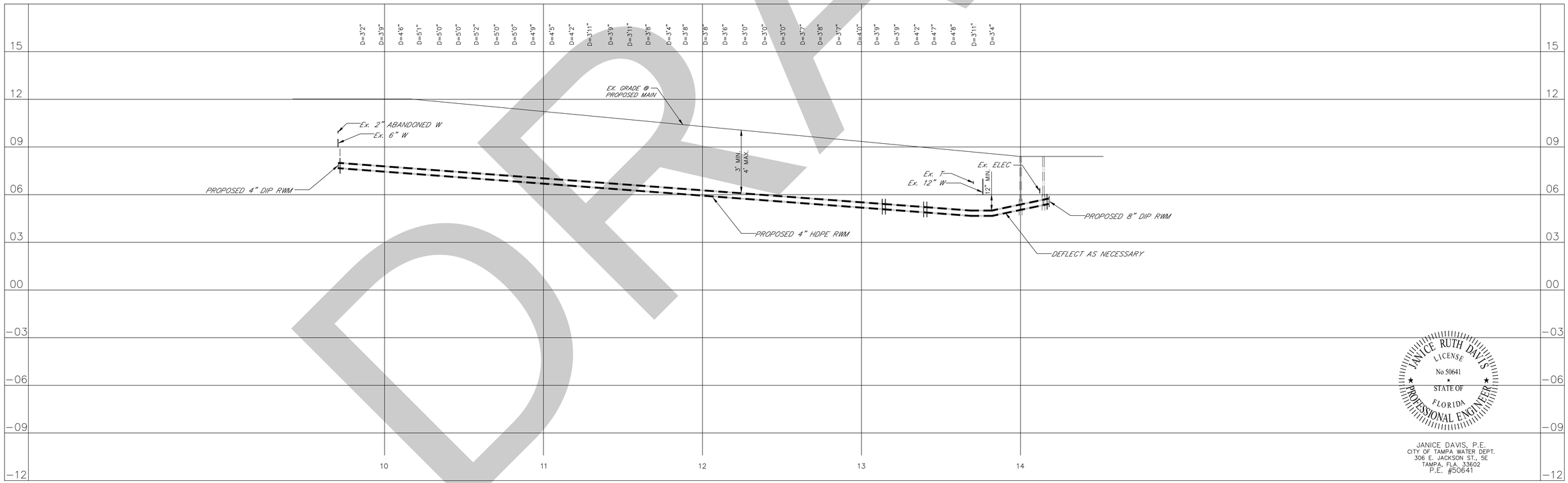
SHEET 2 OF 2

Q.32 Reclaimed Water – Howard Avenue – from Bayshore Blvd to Palm Drive

DRAFT



NOTE
1. WRAP ALL DIP PIPE & FITTINGS WITH PANTONE PURPLE POLYWRAP.
2. CONTRACTOR TO FURNISH & INSTALL RECLAIMED SERVICE CONNECTIONS AND RECLAIMED METER BOXES & DDCVS ON POTABLE WATER METERS 1" AND LARGER.
3. CONTRACTOR SHALL INSTALL 3/4" T–10 METERS WITH BACK FLOW ON POTABLE WATER. METERS TO BE FURNISHED BY THE CITY.
4. CONTRACTOR SHALL FLUSH NEW MAIN WITH A FULL PORT TO REMOVE ALL CONSTRUCTION DEBRIS.
5. CONTRACTOR SHALL FIND DEPTH OF SANITARY SEWER LATERALS PRIOR TO DRILLING.



JANICE RUTH DAVIS LICENSE No 50641 STATE OF FLORIDA PROFESSIONAL ENGINEER

JANICE DAVIS, P.E.
CITY OF TAMPA WATER DEPT.
306 E. JACKSON ST., 5E
TAMPA, FLA. 33602
P.E. #50641

DRAFT

CITY OF TAMPA
WATER DEPARTMENT
ENGINEERING DIVISION

RECLAIMED WATER

HOWARD AVENUE – from Bayshore Blvd. to Palm Drive

30 0 30 60 — 1" = 30' HORIZ.
3 0 3 6 — 1" = 3' VERT.

Atlas Page J11–3

No.	Date	REVISION	By
		Approved	Date

Des: JH
Dwn: DD
Ckd: JRD

W.O. 7637 File: BAYSHORE BOULEVARD
FILE NUMBER F0403
SHEET 11 OF 19 SHEETS