

Appendix N. Geotechnical Exploration Documentation

DRAFT



May 16, 2025

Kimmins
 1501 East 2nd Avenue
 Tampa, Florida 33605
 Attn: Matthew Gilbert

Subject: **Geotechnical Report – COT South Howard Avenue**
 Property Address: South Howard Avenue. Tampa, FL 33606
 AREHNA No.: B-25-078

AREHNA Engineering, Inc. (AREHNA) was retained by your company to conduct a geotechnical investigation at the subject property to locate a potential 10’ by 5’ existing box culvert, located below South Howard Avenue. This letter report provides a summary based on the work completed .

Field Testing

AREHNA completed nine (9) soundings (B-1 through B-9) to depths of up to 14 feet below existing grade within South Howard Avenue, at the locations provided by the client’s on-site representative. The soundings were completed by jetting water to penetrate to the anticipated depth of the culvert. The attached **Boring Location Plan (Sheets 1A and 1B)** show the boring locations relative to existing features.

| BORING NAME | BORING DEPTH (ft.) | ENCOUNTERED CULVERT? | DEPTH CULVERT ENCOUNTERED (ft.) | NOTES |
|-------------|--------------------|----------------------|---------------------------------|---|
| B-1 | 14 | NO | - | - |
| B-2 | 14 | NO | - | - |
| B-3 | 11.5 | YES | 11.5 | - |
| B-4 | 3 | NO | - | Encountered Verizon Line at a depth of 3 feet |
| B-5 | 11.5 | YES | 11.5 | - |
| B-6 | 11.5 | YES | 11.5 | - |
| B-7 | 11.5 | YES | 11.5 | - |
| B-8 | 11.5 | YES | 11.5 | - |
| B-9 | 14 | NO | - | - |

Preliminary Evaluation

Based upon the information obtained to date during our investigation, the box culvert was encountered within soundings B-3, B-5, B-6, B-7, and B-8.

Certifications and Limitations

AREHNA certifies that the analysis, opinions, and conclusions expressed in this investigation have been prepared in accordance with generally accepted engineering principles and practices and within a reasonable degree of engineering certainty. The conclusions, analysis, and opinions expressed herein are based on the results and interpretations of the testing and/or data collection activities performed at the site and the information available to AREHNA at the time the report was issued. AREHNA is not responsible for the conclusions, opinions, or recommendations made by others based on the data presented in this report.

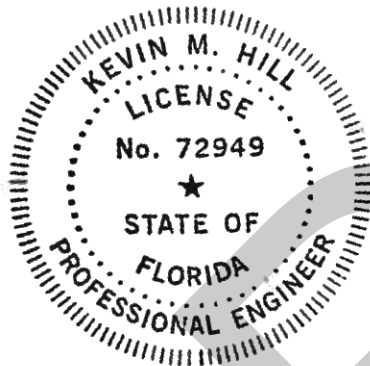
This report was prepared for the exclusive use of Kimmins and its assigns. Use of this report by persons or groups without the permission of Kimmins and AREHNA Engineering, Inc. is not authorized. AREHNA reserves the right to update this report should additional information become available.

AREHNA appreciates the opportunity to have assisted you on this project. Should you have any questions regarding this report, or if we can be of any further assistance, please contact this office.

Sincerely,

AREHNA ENGINEERING, INC.
FLORIDA BOARD OF PROFESSIONAL ENGINEERS
CERTIFICATE OF AUTHORIZATION No.: 28410

This item has been digitally signed and sealed by

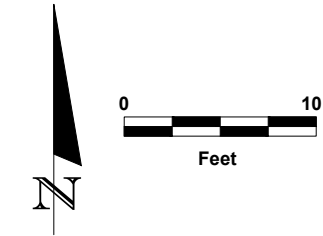


Kevin M. Hill, P.E.
Senior Geotechnical Engineer
Florida Registration No. 72949

on the date adjacent to the seal. Printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies.

Attachment: Boring Location Plan – Sheets 1A & 1B



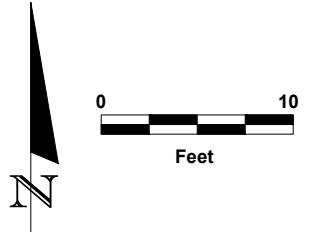


LEGEND

 APPROXIMATE LOCATION OF SOUNDINGS TEST

D:\1-A\hna\Project\202508-25-078 - COT South Howard Ave\B-25-078.dwg (14:41:16) 6/13/25 12:23:12pm

| REVISIONS | | | PREPARED BY: | BORING LOCATION PLAN | NAME | | PROJECT NAME | PROJECT NO. | SHEET NO. |
|-----------|------|--------------|--|----------------------|---------------------|--------|--|-------------|-----------|
| NO. | DATE | DESCRIPTIONS | | | DESIGNED BY: | DATE | | | |
| | | |  AREHNA Engineering, Inc. 5012 West Lemon Street, Tampa, FL 33609 Phone 813.944.3464 Fax 813.944.4959 Certificate of Authorization No. 28410 | DESIGNED BY: | GA | 5/2025 | COT SOUTH HOWARD AVE TAMPA, FLORIDA | B-25-078 | 1A |
| | | | | DRAWN BY: | DG | 5/2025 | | | |
| | | | | CHECKED BY: | KH | 5/2025 | | | |
| | | | | SUPERVISED BY: | Kevin M. Hill, P.E. | | | | |
| | | | | APPROVED: | | | | | |



LEGEND

 APPROXIMATE LOCATION OF SOUNDINGS TEST

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| REVISIONS | | | PREPARED BY: | BORING LOCATION PLAN | NAME | | PROJECT NAME | PROJECT NO. | SHEET NO. |
|-----------|------|--------------|--|----------------------|---------------------|--------|--|-------------|-----------|
| NO. | DATE | DESCRIPTIONS | | | DESIGNED BY: | DATE | | | |
| | | |  AREHNA Engineering, Inc. 5012 West Lemon Street, Tampa, FL 33609 Phone 813.944.3464 Fax 813.944.4959 Certificate of Authorization No. 28410 | DESIGNED BY: | GA | 5/2025 | COT SOUTH HOWARD AVE TAMPA, FLORIDA | B-25-078 | 1B |
| | | | | DRAWN BY: | DG | 5/2025 | | | |
| | | | | CHECKED BY: | KH | 5/2025 | | | |
| | | | | SUPERVISED BY: | Kevin M. Hill, P.E. | | | | |
| | | | | APPROVED: | | | | | |

ton Ave



25-489 South Howard Box Culvert
FOR EXHIBIT PURPOSES ONLY
THIS IS NOT A SURVEY

NOTE: BORE LOCATIONS IDENTIFIED
AND COMPLETED BY OTHERS.

BOX CULVERT

BE-03

- #1
- #2
- #3
- #4
- #5

CSX RR RIGHT OF WAY

618

618

S Howard Ave

Lee Roy Selmon Expy E

W Jetton Ave

W Watrous Ave

618

W Watrous Ave

#6

#7

NOTE: BORE LOCATIONS IDENTIFIED
AND COMPLETED BY OTHERS.

#8

#9

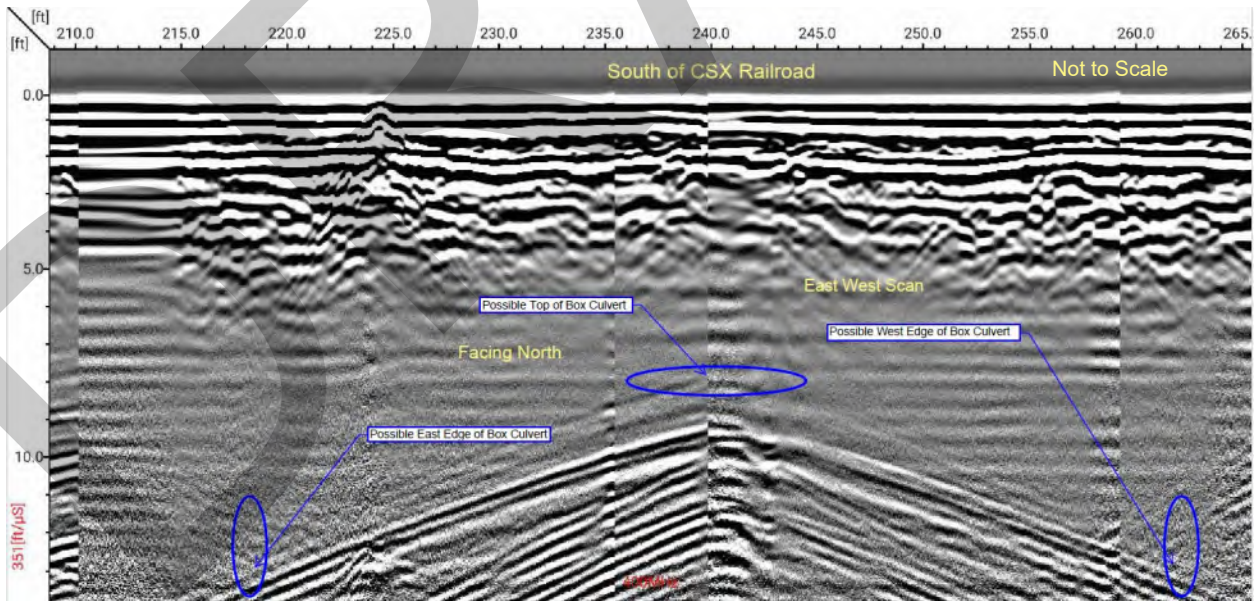
BOX CULVERT

South Howard Box Culvert

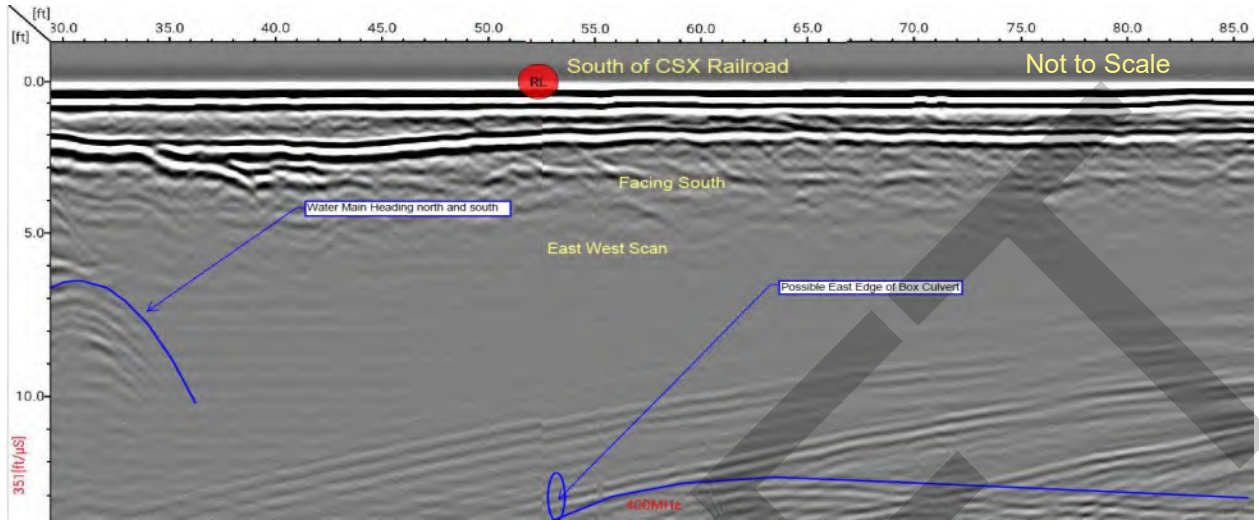
Location 1



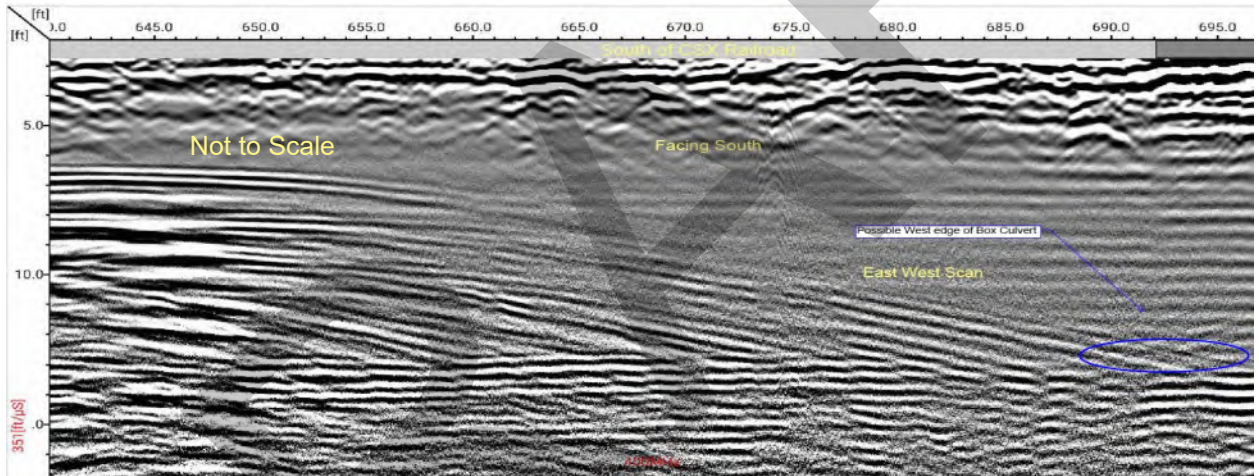
Location 1 (Scan 1)



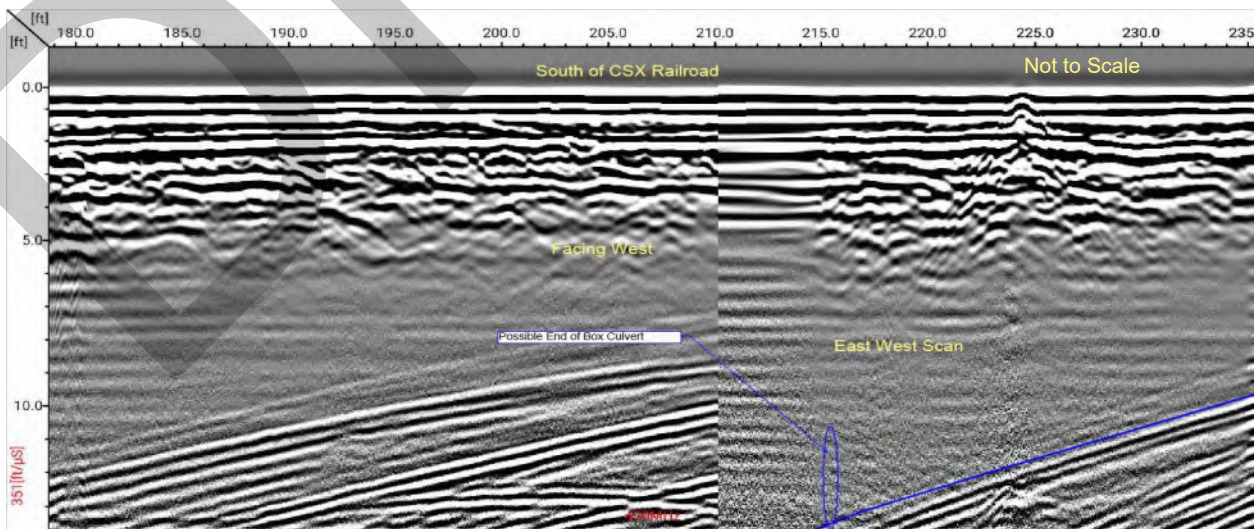
Location 1 (Scan 2)



Location 1 (Scan 3)

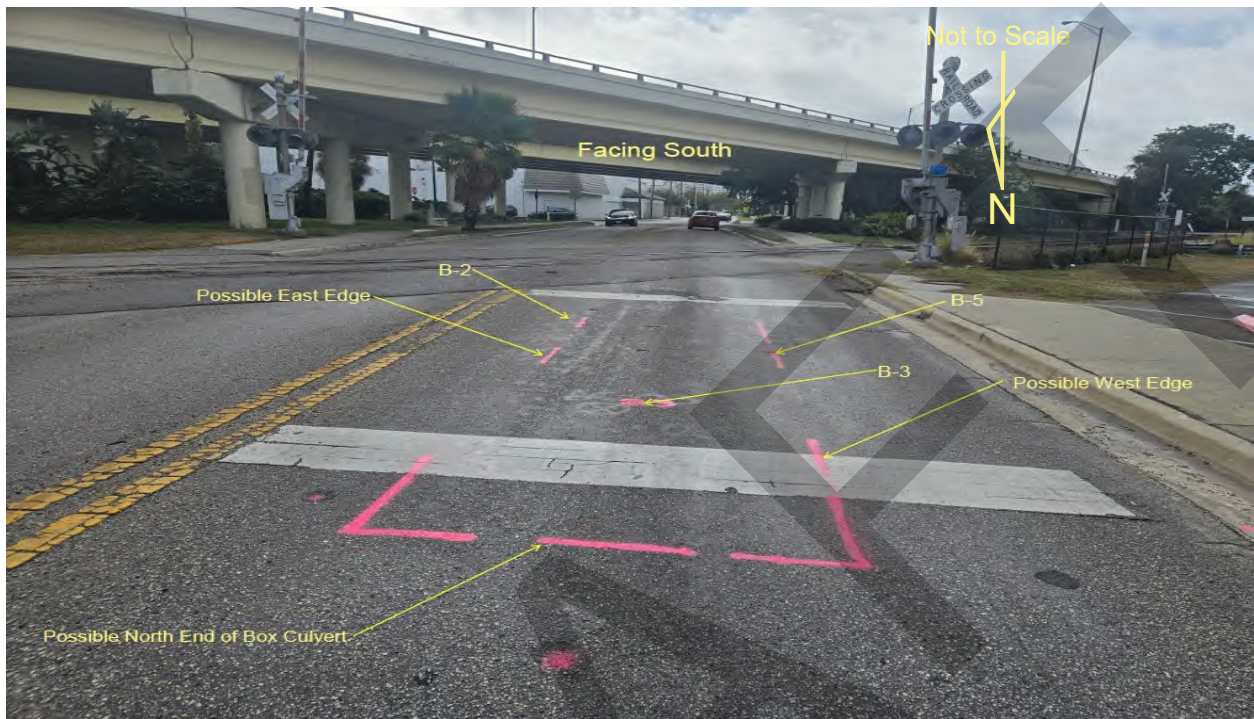


Location 1 (Scan 4)

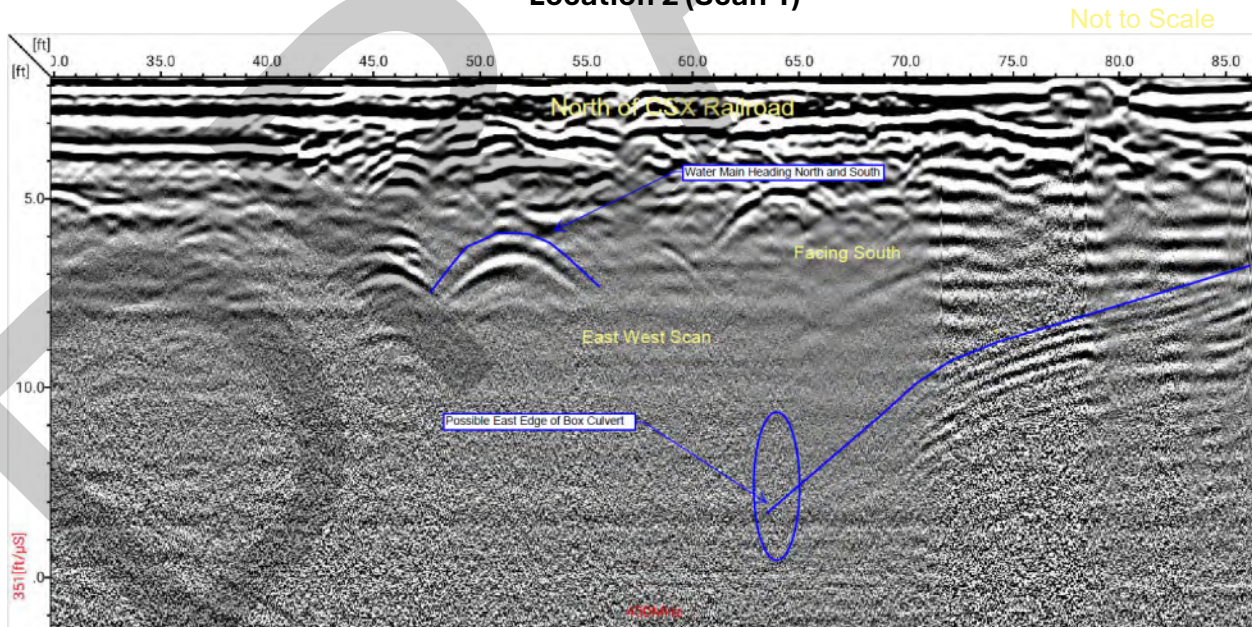


South Howard Box Culvert

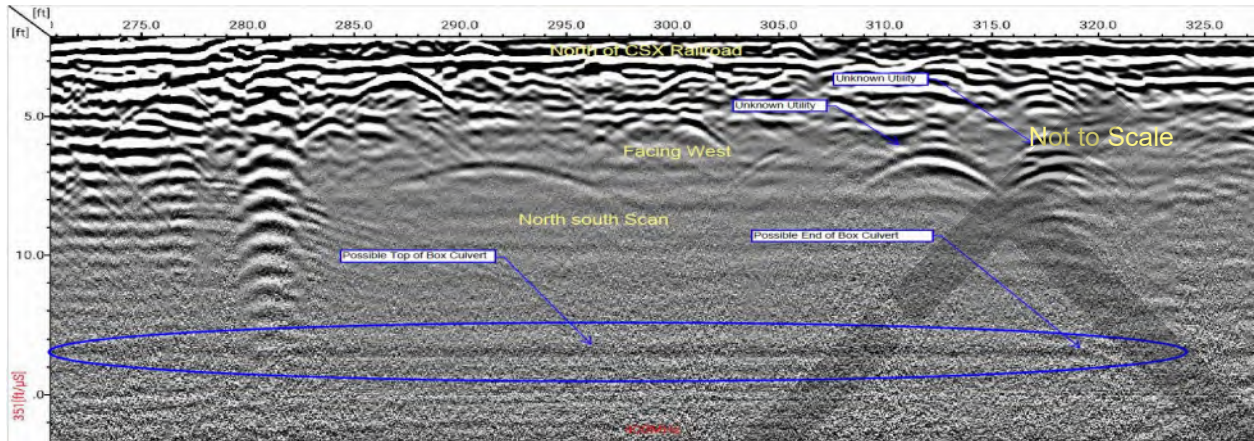
Location 2



Location 2 (Scan 1)



Location 2 (Scan 2)



Location 2 (Scan 3)

