### Structure Schedule

<table>
<thead>
<tr>
<th>ID</th>
<th>Size</th>
<th>Type</th>
<th>Location</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>12&quot;</td>
<td>A</td>
<td>Entrance</td>
<td>Main entrance</td>
</tr>
<tr>
<td>2</td>
<td>8&quot;</td>
<td>B</td>
<td>Sidewalk</td>
<td>Sidewalk entrance</td>
</tr>
<tr>
<td>3</td>
<td>10&quot;</td>
<td>C</td>
<td>Parking</td>
<td>Parking area entrance</td>
</tr>
</tbody>
</table>

### Inlet Drainage Area Summary

<table>
<thead>
<tr>
<th>Inlet Area</th>
<th>Flow Rate</th>
<th>Design Flow</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>50</td>
<td>100</td>
</tr>
<tr>
<td>2</td>
<td>30</td>
<td>60</td>
</tr>
<tr>
<td>3</td>
<td>40</td>
<td>80</td>
</tr>
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</table>

### Pipe Schedule

<table>
<thead>
<tr>
<th>ID</th>
<th>Size</th>
<th>Type</th>
<th>Location</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>12&quot;</td>
<td>A</td>
<td>Entrance</td>
<td>Main entrance pipe</td>
</tr>
<tr>
<td>2</td>
<td>8&quot;</td>
<td>B</td>
<td>Sidewalk</td>
<td>Sidewalk entrance pipe</td>
</tr>
<tr>
<td>3</td>
<td>10&quot;</td>
<td>C</td>
<td>Parking</td>
<td>Parking area entrance pipe</td>
</tr>
</tbody>
</table>

### Final Road Construction Plan

**Storm Drain Structure & Pipe Schedules**

CEDAR CREEK - PHASE 1

[Details and diagrams related to the storm drain structure and pipe schedules are present, but not fully visible in the image.]
**SPECIMEN TREE LIST FOR PARCEL 145, PARCEL 'B'-1**

<table>
<thead>
<tr>
<th>NUMBER</th>
<th>SCIENTIFIC NAME</th>
<th>COMMON NAME</th>
<th>DBH</th>
<th>CONDITION</th>
<th>DIA</th>
<th>COMMENTS</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.1</td>
<td>Platanus occidentalis</td>
<td>American Sycamore</td>
<td>20</td>
<td>Excellent</td>
<td>80</td>
<td>-</td>
</tr>
<tr>
<td>1.2</td>
<td>Acer rubrum</td>
<td>Red Maple</td>
<td>15</td>
<td>Good</td>
<td>60</td>
<td>-</td>
</tr>
<tr>
<td>1.3</td>
<td>Ulmus americana</td>
<td>American Elm</td>
<td>25</td>
<td>Fair</td>
<td>100</td>
<td>-</td>
</tr>
<tr>
<td>1.4</td>
<td>Quercus rubra</td>
<td>White Oak</td>
<td>30</td>
<td>Fair</td>
<td>120</td>
<td>-</td>
</tr>
<tr>
<td>1.5</td>
<td>Fraxinus americana</td>
<td>Ash</td>
<td>25</td>
<td>Poor</td>
<td>90</td>
<td>-</td>
</tr>
</tbody>
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**SPECIMEN TREE LIST (FOR PARCEL 412, PARCEL 'Y' & OPEN SPACE LOT 45 - PLAT 13640, 19714)**

<table>
<thead>
<tr>
<th>NUMBER</th>
<th>SCIENTIFIC NAME</th>
<th>COMMON NAME</th>
<th>DBH</th>
<th>CONDITION</th>
<th>DIA</th>
<th>COMMENTS</th>
</tr>
</thead>
<tbody>
<tr>
<td>2.1</td>
<td>Acer saccharinum</td>
<td>Silver Maple</td>
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<td>Excellent</td>
<td>120</td>
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<tr>
<td>2.2</td>
<td>Fraxinus excelsior</td>
<td>American Ash</td>
<td>25</td>
<td>Good</td>
<td>100</td>
<td>-</td>
</tr>
<tr>
<td>2.3</td>
<td>Quercus prinus</td>
<td>Black Oak</td>
<td>35</td>
<td>Poor</td>
<td>150</td>
<td>-</td>
</tr>
<tr>
<td>2.4</td>
<td>Ulmus minor</td>
<td>Elm</td>
<td>20</td>
<td>Fair</td>
<td>90</td>
<td>-</td>
</tr>
</tbody>
</table>

THE DEVELOPER AGREES TO PLANT THE SPECIES LISTED AS ATTACHED. **TREES MUST BE PLANTED IN CONFORMITY WITH THE PLANTS PERMIT CONSTRUCTION PLANS. SEE SHEET 34.**

**SPECIMEN TREE TABLES**

<table>
<thead>
<tr>
<th>NUMBER</th>
<th>SCIENTIFIC NAME</th>
<th>COMMON NAME</th>
<th>DBH</th>
<th>CONDITION</th>
<th>DIA</th>
<th>COMMENTS</th>
</tr>
</thead>
<tbody>
<tr>
<td>3.1</td>
<td>Acer negundo</td>
<td>Boxelder</td>
<td>20</td>
<td>Excellent</td>
<td>80</td>
<td>-</td>
</tr>
<tr>
<td>3.2</td>
<td>Quercus alba</td>
<td>White Oak</td>
<td>30</td>
<td>Good</td>
<td>120</td>
<td>-</td>
</tr>
<tr>
<td>3.3</td>
<td>Fraxinus americana</td>
<td>Ash</td>
<td>25</td>
<td>Fair</td>
<td>100</td>
<td>-</td>
</tr>
<tr>
<td>3.4</td>
<td>Ulmus americana</td>
<td>American Elm</td>
<td>35</td>
<td>Poor</td>
<td>150</td>
<td>-</td>
</tr>
</tbody>
</table>

**FINAL ROAD CONSTRUCTION PLAN**

**CEDAR CREEK - PHASE 1**

**ROBERT H. VOGEL ENGINEERING, INC.**

**GEO-TECHNOLOGY ASSOCIATES, INC.**

**APPROVED: HAMMOND COUNTY DEPARTMENT OF PUBLIC WORKS**

**APPROVED: HAMMOND COUNTY DEPARTMENT OF PLANNING**

**F-18-041**
<table>
<thead>
<tr>
<th>Date</th>
<th>Time</th>
<th>Location</th>
<th>Description</th>
</tr>
</thead>
</table>
| 01/01/2023 | 08:00 | Cedar Creek | Road Construction Plan ...

SUMMARY PLAN FOR MILE 4.5 TO MILE 5.0

- APPROVED: [Signature]
- DISTRIBUTION SHEET: 1 of 1

Robert J. Vogel
Engineering, Inc.

F-18-041
SEGMENTAL RETAINING WALL SPECIFICATIONS

PART 1 - GENERAL

1.0 WORK INCLUDED

Work consists of excavation and furnishing (Cement, Segmental Wall units, Wall ties, and Backfill) as shown on the plan, in the vicinity of the proposed retaining wall. This work shall consist of the following:

1.0.1 Excavation

Excavation shall consist of digging out the area to the depth as shown on the plan. The excavation shall be backfilled to grade with fill as shown. Any fill that may be required shall be provided at an additional cost to the contractor.

1.0.2 Wall Units

The wall units shall be furnished by the contractor and shall be placed in the location shown on the plan. The wall units shall be securely anchored to the foundation as shown.

1.0.3 Backfill

Backfill shall consist of importing the fill material as shown on the plan. The fill shall be compacted to the required density as shown on the plan.

2.0 REFERENCES

2.0.1 Codes and Standards

The Contractor shall comply with the latest edition of the International Building Code and the American Society of Civil Engineers' standards for the design, construction, and installation of retaining walls.

2.0.2 Enabling Legislation

The Contractor shall comply with all applicable state and local laws, regulations, and ordinances.

3.0 ATTACHMENTS

3.0.1 Site Plan

The Site Plan shall be provided by the Contractor and shall be approved by the Owner.

3.0.2 Material Certifications

Material Certifications shall be provided by the Contractor and shall be approved by the Owner.

4.0 INSPECTIONS

4.0.1 Pre-Construction Inspection

A pre-construction inspection shall be conducted before any work commences. The inspection shall be conducted by the Owner or their representative.

4.0.2 Construction Inspection

Construction inspections shall be conducted by the Owner or their representative. The inspections shall be conducted on a regular basis to ensure compliance with the plans and specifications.

4.0.3 Final Inspection

A final inspection shall be conducted before the job is accepted by the Owner. The final inspection shall be conducted by the Owner or their representative.

5.0 QUALITY ASSURANCE

5.0.1 Materials

All materials shall be furnished by the Contractor and shall be approved by the Owner.

5.0.2 Workmanship

All workmanship shall be performed in accordance with the plans and specifications. Any deviation from the plans and specifications shall be reported to the Owner in writing.

6.0 PAYMENTS

6.0.1 Progress Payments

Progress payments shall be made by the Owner to the Contractor in accordance with the approved work schedule.

6.0.2 Final Payment

Final payment shall be made by the Owner to the Contractor upon completion of the work and approval of the final inspection.

7.0 LIMITATION OF LIABILITY

7.0.1 General

The Owner shall not be liable for any damages, losses, or injuries that may result from the performance of the work.

7.0.2 Indemnification

The Contractor shall indemnify and hold the Owner harmless from any claims, losses, or injuries that may result from the performance of the work.

8.0 CONSEQUENTIAL DAMAGES

8.0.1 General

The Contractor shall be liable for any consequential damages that may result from the performance of the work.

8.0.2 Limitation

The Owner shall not be liable for any consequential damages that may result from the performance of the work.

9.0 SOBER HOUSING

9.0.1 General

The Contractor shall be responsible for providing a secure and sober environment for the work.

9.0.2 Enforcement

The Owner shall enforce the provisions of this section and shall report any violations to the Contractor.

10.0 LIENS

10.0.1 General

The Owner shall not be liable for any liens that may be filed against the property.

10.0.2 Enforcement

The Contractor shall be responsible for resolving any liens that may be filed against the property.

11.0 CONSTRUCTION SAFETY

11.0.1 General

The Contractor shall comply with all applicable state and local laws, regulations, and ordinances regarding construction safety.

11.0.2 Training

The Contractor shall provide training to their employees on construction safety before any work commences.

11.0.3 Equipment

The Contractor shall provide all necessary safety equipment and shall ensure that it is in good working order.

12.0 RETAINING WALL AND FOUNDATION

12.0.1 General

The Contractor shall furnish and install a retaining wall and foundation as shown on the plan. The wall and foundation shall be designed to support the load as shown on the plan.

12.0.2 Materials

All materials used in the construction of the wall and foundation shall be furnished by the Contractor and shall be approved by the Owner.

12.0.3 Workmanship

All workmanship shall be performed in accordance with the plans and specifications. Any deviation from the plans and specifications shall be reported to the Owner in writing.

12.0.4 Construction

Construction shall be performed in accordance with the plans and specifications. The wall and foundation shall be constructed to support the load as shown on the plan.

13.0 LEVELING PLATE DETAIL-COMPAC III UNIT

13.0.1 General

The leveling plate shall be furnished by the Contractor and shall be installed as shown on the plan. The leveling plate shall be secured to the wall and foundation as shown.

13.0.2 Materials

All materials used in the construction of the leveling plate shall be furnished by the Contractor and shall be approved by the Owner.

13.0.3 Workmanship

All workmanship shall be performed in accordance with the plans and specifications. Any deviation from the plans and specifications shall be reported to the Owner in writing.

13.0.4 Construction

Construction shall be performed in accordance with the plans and specifications. The leveling plate shall be installed to support the load as shown on the plan.

14.0 DETAIL OF FENCE POST INSTALLATION USING SLEEVE-IT™ 1224R

14.0.1 General

The details of fence post installation shall be furnished by the Contractor and shall be installed as shown on the plan. The fence post shall be secured to the leveling plate as shown.

14.0.2 Materials

All materials used in the construction of the fence post installation shall be furnished by the Contractor and shall be approved by the Owner.

14.0.3 Workmanship

All workmanship shall be performed in accordance with the plans and specifications. Any deviation from the plans and specifications shall be reported to the Owner in writing.

14.0.4 Construction

Construction shall be performed in accordance with the plans and specifications. The fence post shall be installed to support the load as shown on the plan.

PART 2 - PRODUCTS

2.0 INTRODUCTION

A leveling plate shall be furnished by the Contractor and shall be installed as shown on the plan. The leveling plate shall be used to level the foundation and shall be secured to the foundation as shown.

2.0.1 Materials

All materials used in the construction of the leveling plate shall be furnished by the Contractor and shall be approved by the Owner.

2.0.2 Workmanship

All workmanship shall be performed in accordance with the plans and specifications. Any deviation from the plans and specifications shall be reported to the Owner in writing.

2.0.3 Construction

Construction shall be performed in accordance with the plans and specifications. The leveling plate shall be installed to support the load as shown on the plan.

PART 3 - EXECUTION

3.0 DETAIL WORK

3.0.1 General

The detail work shall be furnished by the Contractor and shall be installed as shown on the plan. The detail work shall be secured to the leveling plate as shown.

3.0.2 Materials

All materials used in the construction of the detail work shall be furnished by the Contractor and shall be approved by the Owner.

3.0.3 Workmanship

All workmanship shall be performed in accordance with the plans and specifications. Any deviation from the plans and specifications shall be reported to the Owner in writing.

3.0.4 Construction

Construction shall be performed in accordance with the plans and specifications. The detail work shall be installed to support the load as shown on the plan.

PART 4 - CONSTRUCTION OBSERVATION AND TESTING

4.0 GENERAL

The walls shall be observed and tested by the Owner's representative. The observations and tests shall be documented and reported to the Owner.

4.0.1 Observations

Observations shall be conducted on a regular basis to ensure the walls are constructed in accordance with the plans and specifications.

4.0.2 Tests

Tests shall be conducted on the walls to ensure they meet the required performance standards.

PART 5 - DESIGN PARAMETERS

5.0 WALL GEOMETRY

5.0.1 General

The walls shall be designed to support the loads shown on the plan. The design parameters shall be determined by the Contractor and shall be approved by the Owner.

5.0.2 Design Loads

Design loads shall be determined by the Contractor and shall be based on the building code and the soil conditions.

5.0.3 Design Criteria

Design criteria shall be determined by the Contractor and shall be based on the building code and the soil conditions.

PART 6 - DESIGN CRITERIA

6.0 DECOUPLEMENT CRITERIA

6.0.1 General

The design criteria shall be determined by the Contractor and shall be based on the building code and the soil conditions.

6.0.2 Design Loads

Design loads shall be determined by the Contractor and shall be based on the building code and the soil conditions.

6.0.3 Design Criteria

Design criteria shall be determined by the Contractor and shall be based on the building code and the soil conditions.

*NOTE: THIS DOCUMENT IS IN A DIGITAL FORMAT AND IS INTENDED FOR REVIEW.*
RETAINING WALL #2 PROFILE

SCALE: HORIZ. 1" = 20'
VERT. 1" = 4'

MIRAFLX 3X3 GEORID

APPROXIMATE LOCATION OF INLET 1-37

RETAINING WALL #2 CROSS SECTION
VIEW @ STA. 0+15

SCALE: 1" = 2'

BACKFILL RIFE IN ACCORDANCE WITH PART 2, ITEM F AND PART 3, ITEM F OF THE NOTES AND DETAILS PAGE

RETAINING WALL #2 CROSS SECTION
VIEW @ STA. 1+25

SCALE: 1" = 2'

APPROXIMATE LOCATION OF INLET 1-37

RETAINING WALL #2 LOCATION PLAN

SCALE: 1" = 30'

APPROXIMATE GRID LOCATION

GEO-TECHNOLOGY ASSOCIATES, INC.
DETERMINED AND ENVIRONMENTAL CONSULTANTS
401 RIVER ST., SUITE 500
FATIMA, NY 13067
518-484-5300
WWW.GEO-TECH.COM

RETAINING WALL #2 PROFILE VIEW
CROSS SECTION VIEWS, AND LOCATION PLAN

CEDAR CREEK

APPROVED, HENNESS COUNTY DEPARTMENT OF PUBLIC WORKS
6/04/2009

ARCHITECTURAL ENGINEERING SERVICES
8501 CHERRY STREET, SUITE 300
FATIMA, NY 13067
518-484-5300
WWW.GEO-TECH.COM

RECORDING: 5/13/09