ERIE CANALWAY HERITAGE FUND, INC

MATTON SHIPYARD
PRESEVATION & ADAPTIVE REUSE INITIATIVE PHASE 2
SOIL REMEDIATION AND SHORELINE RESTORATION PROJECT
CITY OF COHOES, ALBANY COUNTY, NEW YORK
APRIL 2024
MATERIALS SHALL BE AS FOLLOWS:

1. POLYPROPYLENE CORRUGATED MID NETTING, HEAVY UV STABILIZED POLYPROPYLENE BOTTOM NETTING WITH BLACK UV DENSITY OF 7 POUNDS/CF AND A WEIGHT OF 5.5 POUNDS/LF AS MANUFACTURED BY BONTERRA OR APPROVED EQUIVALENT

CONTRACTOR SHALL INCLUDE A SEPARATE ALLOWANCE FEE IN HIS PROPOSAL FOR THIS WORK

CONTRACTOR IS ADVISED THAT THERE ARE AREAS ON THE SITE THAT CANNOT BE DISTURBED AND SHALL BE PROTECTED

CONTRACTOR SHALL RETAIN THE SERVICES OF A LICENSED LAND SURVEYOR TO PROVIDE LINE AND GRADE FOR THE PROJECT

THE WORK. CONTRACTOR TO RESTORE ANY AREAS DISTURBED TO ORIGINAL CONDITIONS. NO SOIL DISTURBANCE IS

CONTRACTOR SHALL ESTABLISH AND MAINTAIN EROSION CONTROL MEASURES AS NECESSARY AND IN ACCORDANCE WITH

PROPER MAINTENANCE OF EROSION CONTROL MEASURES IS TO BE PERFORMED AS INDICATED BY PERIODIC INSPECTIONS

FURNISH AND INSTALL WATERFOWL CONTROL MEASURES

FURNISH AND INSTALL NEW TIMBER BULKHEAD WALL

FURNISH AND PLANT TREES AND SHRUBS AS INDICATED ON DRAWINGS

FURNISH AND INSTALL TIMBER CRIBBING REPLACEMENT IN KIND AND IN PLACE TO BE COMPLETED AND ACCEPTED BY OWNER OR OWNER’S

SHRUBS: ARROWWOOD VIBURNUM (VIBURRIUM DENTATUM) AND SILKY DOGWOOD (CORNUS AMOMIUM)

GROWING SEASONS)

CONTROL FABRIC, COMPACTED STONE AND CLEAN FILL AS INDICATED ON DRAWINGS

CLEAR A MINIMUM HORIZONTAL DISTANCE OF 20 FEET FROM THE PROPERTY LIMIT LINE AND ERRANT PILINGS TO BE DISPOSED OF AT A LICENSED PRIVATE DISPOSAL FACILITY AND IN CONFORMANCE WITH ALL APPLICABLE LAWS AND

EXISTING SHIP FALLS SYSTEM

DISPOSE OF THEM AT A LICENSED DISPOSAL FACILITY AND IN CONFORMANCE WITH ALL APPLICABLE LAWS AND

EULOLOGY DEBRIS IS TO BE DISPOSED OF PER Contract Document

THE SOLE PURPOSE OF INSPECTION AND OBSERVATION OF WORK BY THE OWNER/OWNERS REPRESENTATIVE IS TO AID THE

FURNISH AND INSTALL HOTEL GRASS WHERE EXISTING GRASS EXISTS. GRASSING INCLUDES SEEDING AND AIDED SEEDING AND MOWING AND

REPLACE LOST OR DAMAGED GRASS. SEEDING AND PROPER MAINTENANCE OF EXISTING GRASS IS TO BE PERFORMED AS INDICATED BY PERIODIC INSPECTIONS

DISPOSE OF THE EXISTING CONCRETE/WOOD/METAL DEBRIS ALONG SHORELINE

CONTRACTOR SHALL ESTABLISH AND MAINTAIN SAFETY BARRIERS AS NECESSARY AND IN ACCORDANCE WITH

WOOD HORIZONTAL CRIBBING: USE 40-FOOT LONG PILES WITH 10-12-INCH AVERAGE DIAMETER, CUT TO FIT. PILES SHALL BE

WITH AND VERIFY EXISTING CONDITIONS. THE CONTRACTOR IS RESPONSIBLE FOR MAKING ALL APPROPRIATE INQUIRIES

THE WORK. CONTRACTOR TO RESTORE ANY AREAS DISTURBED TO ORIGINAL CONDITIONS. NO SOIL DISTURBANCE IS

CONTRACTOR SHALL ESTABLISH ALL AREAS OF THE SITE ESTABLISHED BY HIS OWN OBSERVATIONS

CONTRACTOR SHALL BE RESPONSIBLE FOR TAKING THE APPROPRIATE MEASURES AS NECESSARY TO ENSURE THE

CONTRACTOR SHALL EMAIL A COPY OF THE SALVAGED MATERIALS TO THE CONSTRUCTION MANAGER FOR APPRVAL, TOGETHER WITH A FORM

TO SPECIFY ALL MATERIALS. CONTRACTOR SHALL USE LIMESTONE OR A SIMILAR MATERIAL TO BE APPROVED BY THE CONTRACTOR TO

SCHEDULE, AND THE CONTRACTOR SHALL BE HELD TO USING SUCH STONE AS SPECIFIED IN THE PROJECT SPECIFICATIONS.

SCHEDULE, AND THE CONTRACTOR SHALL BE HELD TO USING SUCH STONE AS SPECIFIED IN THE PROJECT SPECIFICATIONS.

MATERIALS: THE CONTRACTOR IS RESPONSIBLE FOR MAKING ALL APPROPRIATE INQUIRIES AND VERIFYING CONDITIONS AS SPECIFIED IN THE PROJECT SPECIFICATIONS TO ASSURE PROPER QUALITY AND

THE CONTRACTOR SHALL ESTABLISH THE NUMBER, LOCATION AND TYPE OF bất(IES) AS SPECIFIED IN THE PROJECT SPECIFICATIONS FOR THE CONTRACTOR TO BE HELD TO USING SUCH STONE AS SPECIFIED IN THE PROJECT SPECIFICATIONS.

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1. LOCUS 1 AND LOCUS 2 ARE ARCHEOLOGICAL SENSITIVE AREAS AND MUST REMAIN UNDISTURBED. LIMITS HAVE BEEN TAKEN FROM HARTGEN 2017 PHASE I ARCHEOLOGICAL STUDY MAP 2.

2. IT IS PERMISSIBLE TO OPERATE MACHINERY AND VEHICLES WITHIN LOCUS 1 PROVIDED THAT PROPER PROTECTIVE MEASURES ARE EMPLOYED WITH RESPECT TO THE EXISTING TURF AND SUBGRADE. TRAFFIC MUST BE KEPT TO AN ABSOLUTE MINIMUM.

3. ANY VEGETATION TO E CLEARED FROM LOCUS 1 IS TO BE CUT TO GROUND LEVEL, LEAVING THE ROOT SYSTEM UNDISTURBED.

4. TREE REMOVAL IS TO BE PERFORMED BY OTHERS. STUMPS ARE TO BE LEFT IN PLACE.
NOTES

1. LOCUS 1 AND LOCUS 2 ARE ARCHEOLOGICAL SENSITIVE AREAS AND MUST REMAIN UNDISTURBED. LIMITS HAVE BEEN TAKEN FROM HARTGEN 2017 PHASE I ARCHEOLOGICAL STUDY MAP.

2. INSTALL TIMBER TRACKING PAD AND GEOTEXTILE FABRIC (MIRAFI OR APPROVED EQUAL) OVER EXISTING TURF. NO CLEARING, GRUBBING OR EXCAVATION IS PERMISSIBLE IN LOCUS 1 UNLESS PROPER PROTECTIVE MEASURES HAVE BEEN EMPLOYED TO PRESERVE EXISTING CONDITIONS. MINIMIZE THE DURATION OF WORK IN THIS AREA AND REMOVE THE TRACKING PAD WHEN NOT IN USE.

3. EXCAVATE PROPOSED EXCAVATION AREA TO 6" BELOW EXISTING GRADE. DEMARCATION LAYER TO BE PLACED ALONG BOTTOM OF EXCAVATION AREA. PLACE 6" BACKFILL IN EXCAVATION AREA ON TOP OF DEMARCATION LAYER. COMPACT TO 95% DENSITY MODIFIED PROCTOR IN SINGLE LIFT.

4. AREAS OF TRACKING PAD, CONSTRUCTED TEMPORARY ACCESS ROAD, ARE TO BE RESTORED TO MEADOW AFTER CONSTRUCTION.
1. **CUT OFF EXISTING EXISTING WOOD PILES AT MUD LINE**
2. **EXTEND GEOTEXTILE AROUND CORNER FORMED BY THE NEW TIMBER CRIBBING AND THE EXISTING SHEET PILE WALL, EXTENDING THIS GEOTEXTILE WEST ALONG THE EXISTING SHEET PILE WALL TO THE FARTHEST EXTENT POSSIBLE OR A MAXIMUM OF FOUR LATERAL FEET. ATTACH GEOTEXTILE TO SHEET PILING TEMPORARILY PRIOR TO INSTALLATION OF FILL.**
3. **TIMBER CRIBBING TO BE INSTALLED AND ACCEPTED BY OWNER OR OWNER'S REPRESENTATIVE PRIOR TO COMMENCEMENT OF LIVING SHORELINE INSTALLATION.**
4. **OWNER/OWNER REPRESENTATIVE WILL PROVIDE THE LOCATION/LAYOUT OF THE COIR LOG TO THE CONTRACTOR PRIOR TO CONSTRUCTION COMMENCEMENT.**

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**NOTES**

1. **CUT OFF EXISTING WOOD PILES AT MUD LINE.**
2. **EXTEND GEOTEXTILE AROUND CORNER FORMED BY THE NEW TIMBER CRIBBING AND THE EXISTING SHEET PILE WALL, EXTENDING THIS GEOTEXTILE WEST ALONG THE EXISTING SHEET PILE WALL TO THE FARTHEST EXTENT POSSIBLE OR A MAXIMUM OF FOUR LATERAL FEET. ATTACH GEOTEXTILE TO SHEET PILING TEMPORARILY PRIOR TO INSTALLATION OF FILL.**
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**EXISTING STEEL SHEET PILING WALL TO REMAIN:**

**PROPOSED 35' TIMBER PILING WALL:**

**HUDSON RIVER FLOW:**

**PROTECT AND MAINTAIN STEEL INFREES (SHIP FALLS):**

**ORDINARY HIGH WATER MARK (OHWM):**

**EXISTING STEEL WALL MEET EXISTING STEEL WALL (SEE NOTE 2):**

**12" COIR LOG FOLLOWING OHWM TO NORTHERN TERMINUS SHOWN ON SHEET GL1 (SEE NOTE 4):**

**TURBIDITY CURTAIN:**

**GRASS:**

**CREST LIMIT LINE OF HUDSON CONTROL GEOTEXTILE:**

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**EXISTING PIER:**

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**MATTON SHIPYARD PRESERVATION & ADAPTIVE REUSE INITIATIVE PHASE 2 - SOIL REMEDIATION AND SHORELINE RESTORATION PROJECT**

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**DRAWN BY**

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**DESIGNED BY**

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**CHECKED BY**

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**DRAWN BY**

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**MASTER PLAN**

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1. Earthwork quantities are based on the information available at the time of plan preparation. Contractor shall verify all quantities prior to the start of work.

2. No excavation in the Locus 1 area is permitted.

3. No disturbance of ground in the Locus 1 area is permitted.

Note: It is a violation of New York State Education Law for any person, unless acting under the direction of a licensed professional engineer, to alter an item on this drawing in any way. If an item is altered, the altering engineer shall affix to the item his seal and the notation "ALTERED BY" followed by his signature and the date of such alteration, and a specific description of the alteration.
1. 2" Ø FIBER ROLL W/ HERBACEOUS (BULRUSH) PLUGS, HARDWOOD POSTS (2" X 2" X 3' ), AND WIRE
2. PLACE SOIL, EXCAVATED FROM THE TRENCH BEHIND THE ROLL AND HAND TAMPER, PLANT WITH SUITABLE HERBACEOUS OR WOODY VEGETATION AS SPECIFIED ELSEWHERE IN THE CONTRACT DOCUMENTS.

3. PLACE THE ROLL IN THE TRENCH AND ANCHOR WITH 2" X 2" POSTS PLACED ON BOTH SIDES OF THE ROLL.

4. REPOSE THE POSTS AND TIE TOGETHER, ACROSS THE ROLL, WITH 9 GAUGE GALVANIZED WIRE OR 1/8" NYLON TWINE

NOTE:
1. NO EXCAVATION WITHIN LOCUS AREA IS PERMITTED

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MAYTON SHIPYARD

PRESERVATION & ADAPTIVE REUSE INITIATIVE

PHASE 2 - SOIL REMEDIATION AND SHORELINE RESTORATION PROJECT

170 W. MAIN STREET • TROY, NY 12180 • 518.459.7188 • M&J ENGINEERING P.C.

"INNOVATIVE AND STATE-OF-THE-ART SOLUTIONS"
CONSTRUCTION SPECIFICATIONS:

1. STORE SALT USE 4-6 INCH THICK OR RECLAIMED OR RECYCLED CONCRETE EQUIVALENT.
2. WIDTH: TWELVE (12) FOOT MIN., BUT NOT LESS THAN THE FULL WIDTH AT POINTS WHERE INGRESS OR EGRESS OCCURS.
3. GROUT: FILL WILL BE PLACED OVER THE ENTIRE AREA PRIOR TO PLACING OF STONE.
4. SURFACE WATER: ALL SURFACE WATER FLOWING OR DIVERTED TOWARDS CONSTRUCTION ENTRANCES SHALL BE PIPPED BEHIND THE ENTRANCE. IF PIPING IS IMPRÁCTICAL A MOUNTABLE BERM WITH 5:1 SLOPES WILL BE REQUIRED.
5. MAINTENANCE: THE BERM SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOWING OF SEED OR MUD FROM PUBLIC RIGHTS-OF-WAY. ALL SEED OR MUD PENETRATING THE EMBRACE MUST BE REMOVED IMMEDIATELY.

NOTES FOR SOIL STOCKPILE

1. STOCKPILE SOIL SHALL BE TAPPED AT THE END OF EVERY WORKING DAY
2. SAND AS NECESSARY TO SECURE TAMPA
3. 6 M.L POLY TAPE
4. MIN 16" HIGH COMPACTED SOIL BERM
5. 8 OZ./SY
6. NON-GROWN GEOTEXTILE
7. 4" X DOT TYPE 2 OR 4 SURFACE AGGREGATE OR RECYCLED CEMENT AGGREGATE

SOIL STOCKPILE DETAIL

DECOMMISSIONED PAD DETAIL

PLANTING DETAILS

1. DO NOT DAMAGE MAIN ROOTS OR ROOT BALL WHEN INSTALLING TREE STAKES
2. 2" WATER THOROUGHLY AFTER EXCAVATION AND AFTER PLANT INSTALLATION
3. REMOVE SAUCER AND STAKES AFTER FIRST YEAR
4. NOTIFY ENGINEER IF IMPERVIOUS OR UNACCEPTABLE NATIVE SOIL IS ENCOUNTERED IN TREE PIT AREAS

SHRUB AND HEDGE PLANTING DETAIL

1. CLEANLY PRUNE ONLY DAMAGED, DISEASED AND/OR WEAK BRANCHES
2. FINISHED GRADE AROUND PLANT TO BE THE SAME AS ORIGINAL GRADE OF PLANT IN POT
3. CAREFULLY REMOVE TOP 1/2 OF BURLAP CONTAINERS COMPLETELY

TREE PLANTING DETAIL

1. SCULPTURI THEORY 4 AFTER EXCAVATION AND AFTER PLANT INSTALLATION
2. NOTIFY ENGINEER IF IMPERVIOUS OR UNACCEPTABLE NATIVE SOIL IS ENCOUNTERED IN PITS

PLANNING & ADAPTIVE REUSE INITIATIVE PHASE 2 - SOIL REMEDIATION AND SHORELINE RESTORATION PROJECT

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