

BACK BAY NATIONAL WILDLIFE REFUGE OUTDOOR CLASSROOM

4005 SANDPIPER ROAD, VIRGINIA BEACH, VA.

| <u>SHEET</u> | <u>TITLE</u> |
|--------------|----------------------------|
| 1 | COVER SHEET |
| 2 | EXISTING FEATURES |
| 3 | PROPOSED OUTDOOR CLASSROOM |
| 4 | CROSS SECTION |
| 5 | CONSTRUCTION NOTES |

COVER SHEET

DESIGNED BY: RPA ARCHITECTS
JPA EDIT BY: BRO / RLA



LEGEND

- (CE) CONSTRUCTION ENTRANCE
- (SF) SILT FENCE
- (LD) LIMIT OF DISTURBANCE
- (PB) PROJECT SITE BOUNDARY



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757.490.2964 | MSAONLINE.COM

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| MSA # 23221 |
| DATE: 5/15/24 |
| SHEET 1 OF 5 |

NOTE: ALL WETLANDS ONSITE
 DELINEATED BY MSA, P.C. AND
 PENDING CORPS OF ENGINEERS
 APPROVAL

BACK BAY

RIP RAP

ASPHALT

WALKWAYS

EXISTING PIER

SIDEWALK

BACK BAY NATIONAL
 WILDLIFE REFUGE
 VISITORS CENTER

WETLAND #1
 0.691 ACRES
 30,034 SQ. FT.

WEATHER STATION
 FENCE ENCLOSED

ASPHALT
 PARKING
 LOT

WETLAND #2 0.389 ACRES
 16,930 SQ. FT.

WALKWAYS

RIP RAP

EDGE OF
 WATER

WALKWAY

RIP RAP

POND

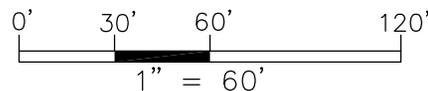
DOCK

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EXISTING FEATURES

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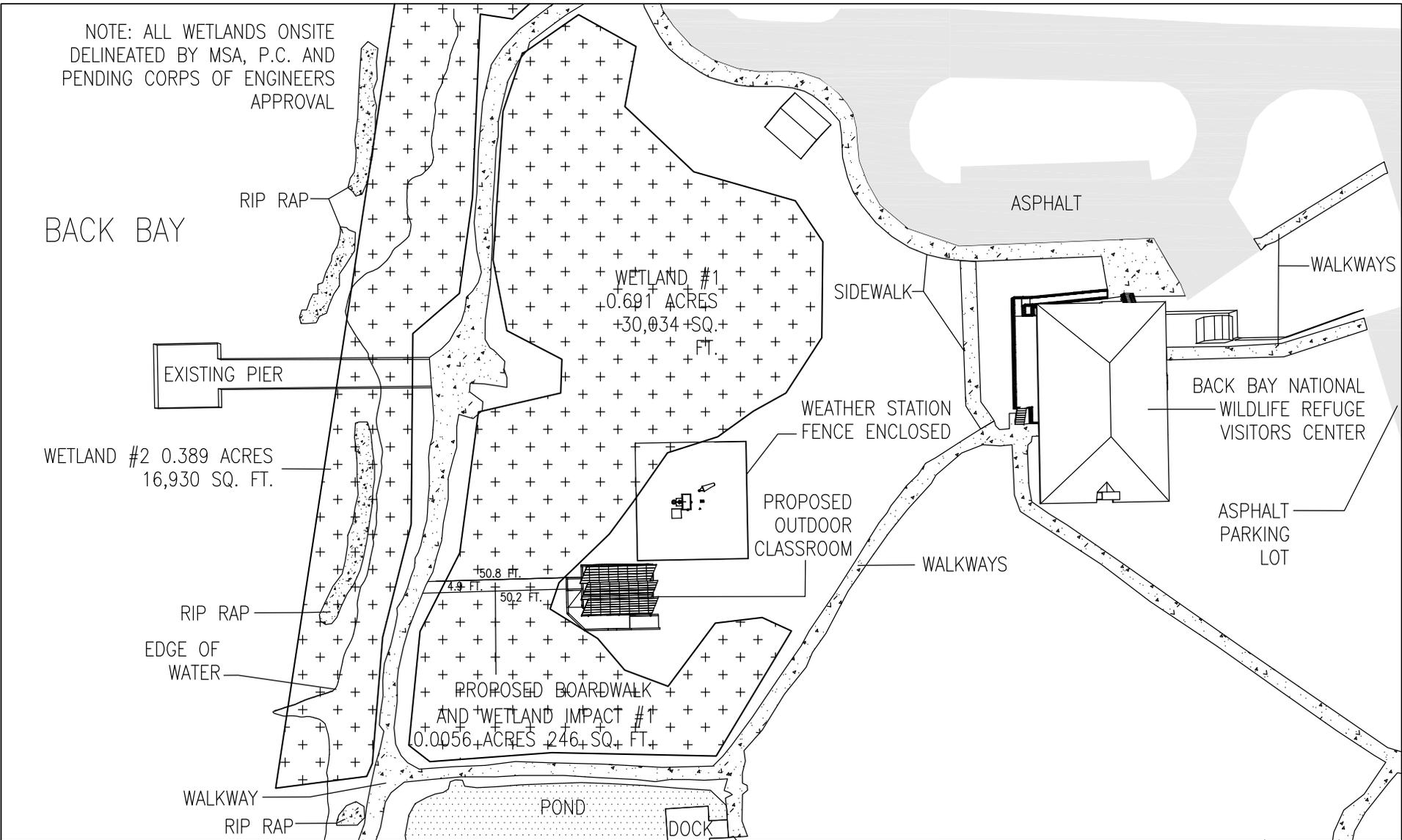
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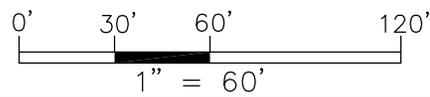
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SHEET
 2 OF 5

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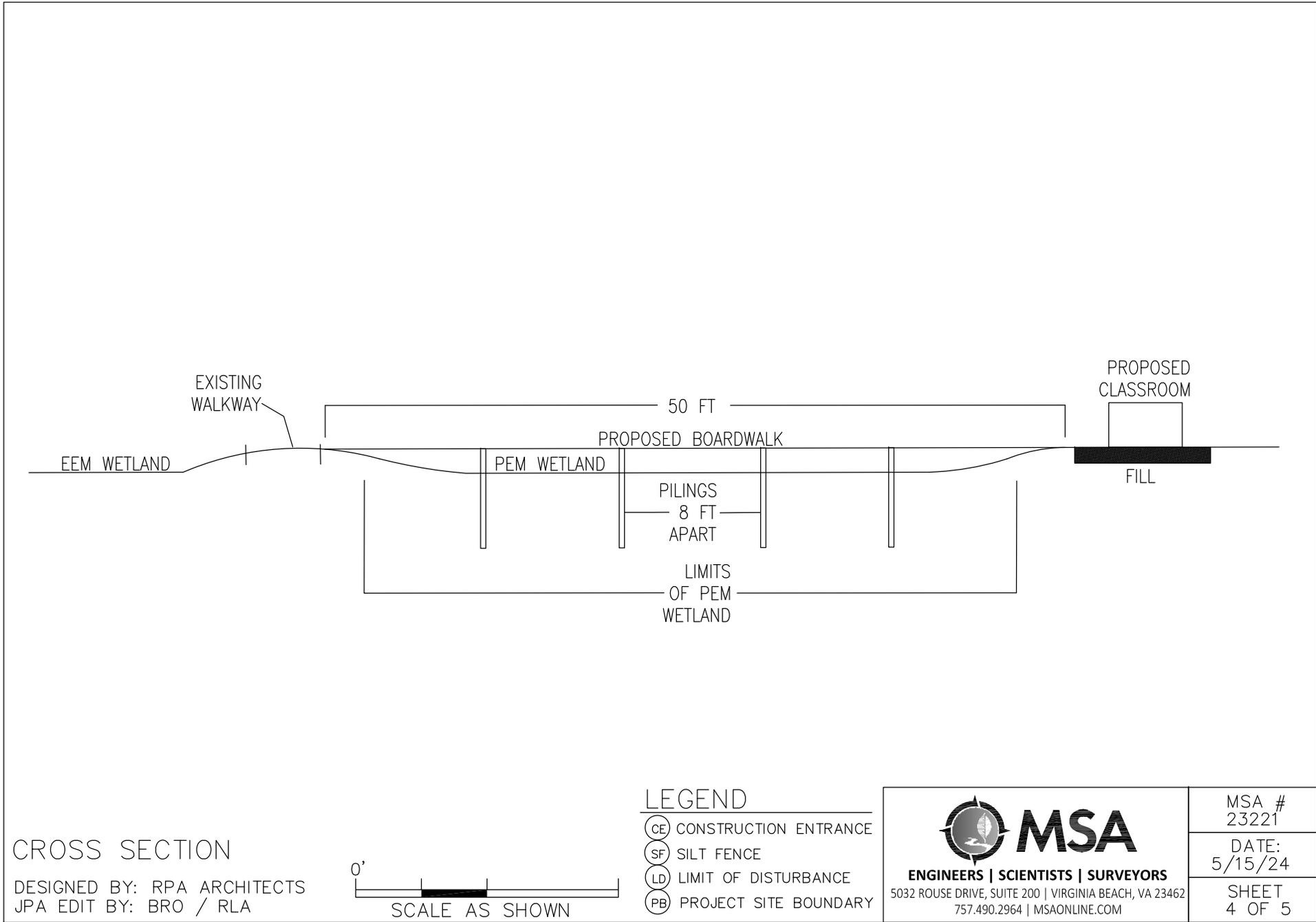


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CROSS SECTION

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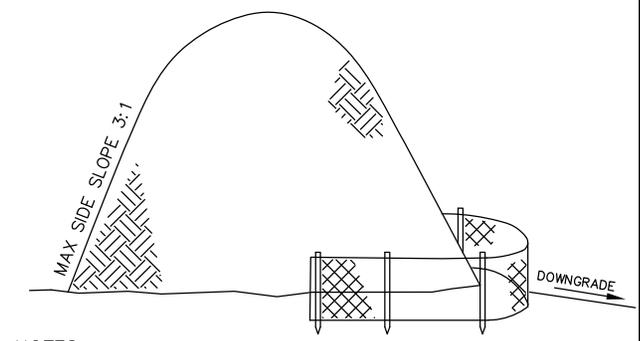
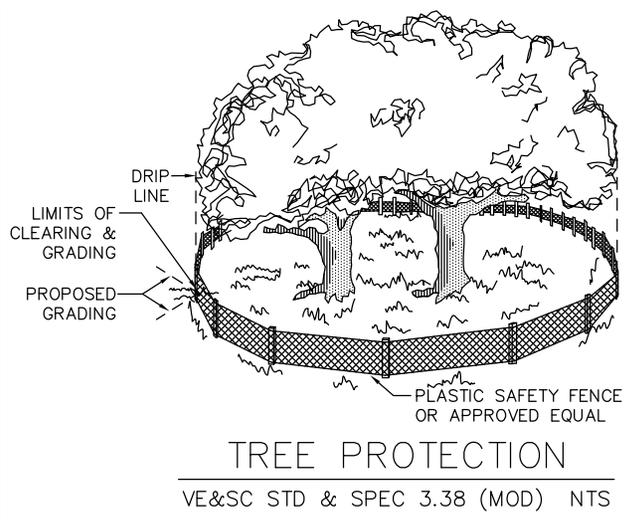
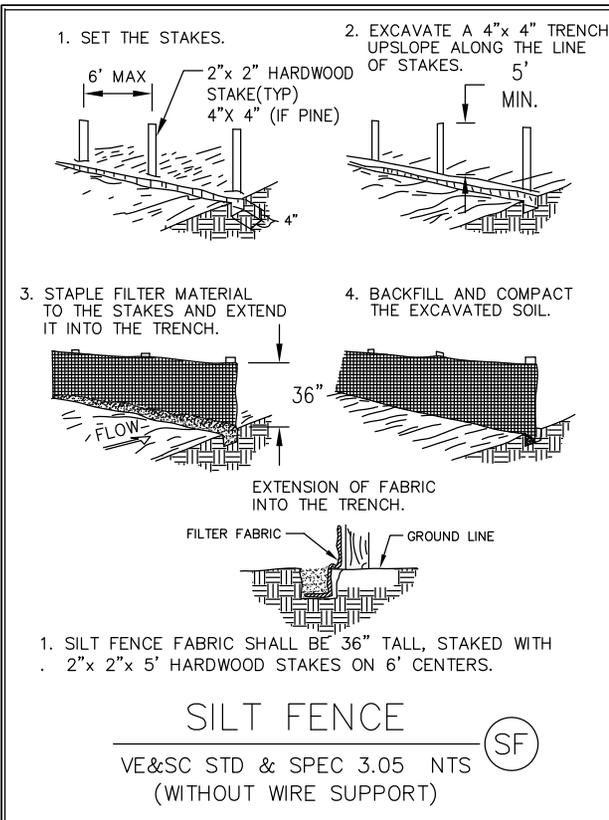
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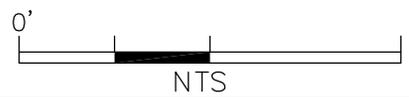
1. STOCKPILE LOCATION WILL BE OUTSIDE OF SLOPES, NATURAL DRAINAGEWAYS, AND TRAFFIC ROUTES.
2. USE BARRIERS SUCH AS SILT FENCES AROUND STOCKPILES TO RETAIN SEDIMENT.
3. PROTECT TOPSOIL STOCKPILES BY TEMPORARILY SEEDING AS SOON AS POSSIBLE.
4. IF STOCKPILES WILL NOT BE USED WITHIN 90 DAYS THEY MUST BE STABILIZED WITH PERMANENT VEGETATION TO CONTROL EROSION AND WEED GROWTH.

TYPICAL STOCKPILE
NTS

General Erosion and Sediment Control Measures:
All erosion and sediment control (ESC) measures shall be designed and installed in accordance with the latest edition of the erosion and sediment control handbook, and in accordance with the engineering plans approved by the municipality.
ESC measures shall be installed prior to any land disturbing activities.
A properly installed silt fence shall be maintained for the duration of the project.
All soil stockpile areas shall be surrounded by silt fences when not in active use.
At least once a month, and after significant rainfall events, all ESC measures shall be checked and maintained or repaired where needed.

Management Strategies:
The limits of construction and disturbance shall be marked and ESC measures installed as a first step in the construction process
Construction shall be sequenced so that grading operations can be completed as quickly as possible.
All areas disturbed by construction activities shall be seeded with an approved stabilization seed mix as soon as final grade is achieved, or if a significant amount of time is to pass from disturbance until completion of project.
A soil stabilization mat or protective blanket may be used where needed to achieve stabilization.
Trees outside the project limits to be preserved may be surrounded by tree protection fences as needed, and those areas shall not be used for staging of equipment or materials.
All wetland areas that are to be avoided shall be outside the limits of disturbance and silt fence and not be used for staging of materials or parking of machinery.

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