PROJECT NARRATIVE:
This project upgrades the existing pedestrian trail throughout the 2.14
acre site bordered by 15875 Neabsco Road in Prince William County.
At the western end of the project, a low boardwalk aids in the
furnish the new boardwalk (boardwalk) to create a pedestrian
corridor without obstructions. However, new low boardwalks are
proposed through wet areas along with pedestrian bridges to cross
existing_neabsco_creek
river channels. In some areas, a new trail alignment is
preferred to avoid obstructions and to ease the trail more
emphatic. The project is being implemented in phases and all
previous boardwalks will be removed.

HEADS TO BE USED FOR THE PROJECT. FURTHER, IT
will be determined by the county at the time of
construction approval. The project may be used during
construction of "Phase One" section.

LEGAL INFORMATION:
THE APPEARANCE OF THIS PLAN SHALL IN NO WAY RELIEVE THE OWNER/DEVELOPER OR
THE CONTRACTOR OF ANY UNDERTAKEN RESPONSIBILITIES FOR THE PROJECT.

LEGEND FOR CIVIL DRAWINGS

ARCHITECTURAL SYMBOLS

PROPERTY LINE ....................

GAS VALVE .......................

WATER VALVE ....................

CONTOURS ........................

STORM DRAIN MANHOLE ........

STORM DRAIN .....................

STORM SEWER .....................

SANITARY SEWER ..................

STORM STRUCTURE LABEL ............

SOUTHERN YELLOW PINE

DECODING PLAN INSTRUCTIONS

PROPERTY LINE ....................

B-10

TOP OF WALL

CONTAINER/BEAM

SIDEWALK

LIMITS OF GRADING ................

COVER

ANGLE OF BULK PLANE

CONCRETE

HEADER CURB

EDGE OF PAVEMENT

STORM DRAIN, STORM SEWER

STORM DRAIN, STORM SEWER

STORM DRAIN MANHOLE ........

APPROVAL OF THE OWNER/ENGINEER AND THE SITE INSPECTOR.

REVISIONS

GAS VALVE .......................

WATER VALVE ....................

CONTOURS ........................

STORM DRAIN MANHOLE ........

STORM DRAIN .....................

STORM SEWER .....................

SANITARY SEWER ..................

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APPROVAL OF THE OWNER/ENGINEER AND THE SITE INSPECTOR.

REVISIONS

GAS VALVE .......................
1.0 GENERAL

1.1 All work shall conform to the "2018 INTERNATIONAL BUILDING CODE," AND TO ALL OTHER APPLICABLE FEDERAL, STATE, AND LOCAL ORDINANCES, CODES, AND REGULATIONS.

1.2 In case of conflict between the general notes, specifications, and details, the most specific requirements shall govern.

1.3 Work not indicated on a part of the drawing but reasonably implied to be similar to that shown at corresponding places shall be included.

1.4 Job site safety and construction procedures are the sole responsibility of the Contractor.

1.5 No deviating permits were issued by permit issuing authorities. Refer to specifications for general information.

1.6 All costs of investigation and/or redesign due to contractor imposed installation of structural or other items not in conformance with the drawings shall be borne by the Contractor. Modifications to the contract documents shall be made at the Contractor's expense.

1.7 The Contractor shall verify and/or establish all existing conditions and dimensions at the site. Failure to notify Owners/Representatives of unsatisfactory conditions constitutes acceptance of unsatisfactory conditions.

1.8 If the existing conditions do not permit the installation of the work in accordance with the details of the contract documents, the Contractor shall modify the contract documents immediately and provide a sketch of the condition, with proposed modification of the details given on the contract documents. Do not commence work until condition is resolved and modification is approved by Owners/Representatives.

1.9 The Contractor shall be responsible to determine reasonable construction details and to provide design and construction of facades, foundations, stairways, bracing, sheeting, and shoring, etc. Any construction loads in excess of the stated design loads must be approved by the structural engineer prior to the imposition of such loads.

1.10 Contractor to provide sheeting, bracing, and underpinnings as necessary to prevent any lateral or vertical movement of existing buildings, streets, and any existing utility lines.

1.11 If no case shall heavy equipment be permitted closer than 6' from any foundation wall on the aluminum sheet pile retaining wall. If it is necessary to operate such equipment closer than 6' to the wall, extra caution shall be exercised.

1.12 No blasting shall be permitted without written approval.

1.13 Shop drawings for all structural materials to be submitted to Owners/Representatives for approval prior to fabrication. Contractors shall submit shop drawings prior to the start of fabrication or commencement of work. Before shop drawings are submitted, Owners/Representatives shall be notified of the dates when drawings are expected.

1.14 Reproduction of any portion of the structural contract drawings for submission as shop drawings is prohibited. Shop drawings produced in such a manner will be rejected and returned.

1.15 Shop drawings submitted for structural review shall consist of two (2) sets of prints and one (1) set of shop drawings. Shop drawings must be legible and reproducible with the structural engineers' comments returning the drawings.

1.16 Shop drawings shall be submitted for structural review shall consist of two (2) sets of prints and one (1) set of shop drawings. Shop drawings must be legible and reproducible with the structural engineers' comments returning the drawings.

1.17 The drawings and specifications have been produced entirely on PENNONI COMPUTER-AIDED DESIGN SYSTEM. Any other lettering, lines or symbols, other than professional stamps and signatures, have been made without the authorization of the Owners.

1.18 Inspectors are required to be trained and qualified. The inspection shall be in accordance with the following minimum qualifications:

- Certified by: Institute of Certified Engineering Technicians, or similar bodies.
- For inspection, sampling, testing concrete and masonry: ACI Certified Concrete Field Testing Technician, Grade I, and Construction Inspector, Level II.
- Structural steel inspection: AWS Certified Welding Inspector.

1.19 Submit periodic reports with one business day after the inspection is completed for work performed, and submit final inspection report summary for each division of work, certified by a licensed professional engineer, within one month after the completion of work. Certified by a licensed professional engineer, that inspections were performed and that work was performed in accordance with contract documents.

1.20 The Contractor shall engage a testing agency to provide any testing services indicated in these General Notes.

1.21 All materials shall be stored to protect them from exposure to the elements.
11. THE CONTRACTOR SHALL INSTALL THE HORIZONTAL PILE PLUMBNESS SHALL BE WITHIN 2 INCHES OF THE CENTERLINE OF THE HELICAL PILES FROM ANY HORIZONTAL LINE WITHIN 2 INCHES OF THE CENTERLINE OF THE HELICAL PILES FROM ANY HORIZONTAL LINE.

12. THE CONTRACTOR SHALL INSTALL THE HORIZONTAL PILE THE TERMINATION TOLERANCE OF THE TERMINATION TOLERANCE SHALL NOT BE MORE THAN 3 INCHES FROM THE INDICATED PLAN CENTERLINE OF HELICAL PILES.

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60. APPLICATION AS ALTERNATE courseS

A. FOOTINGS SHALL BE BUILT ON UNDISTURBED VIRGIN SOIL AND MEASURED COMPACTED SOIL FREE OF ROCKS OR STONES.

B. WOOD-BASED two cylinders per truck should be tested and certified by the helical pile manufacturer.

C. ALL DOCUMENTS PREPARED BY PENNONI ASSOCIATES ARE INSTRUMENTS OF SERVICE IN RESPECT OF THE OWNER, OR ADAPTATION BY PENNONI ASSOCIATES FOR THE USE OF ANY PARTY OTHER THAN THE OWNER OR OWNER’S AGENT.

D. THE CONTRACTOR SHALL SUBMIT SHOP DRAWINGS AND MATERIAL CERTIFICATIONS TO THE OWNER AND CONTRACTOR FOR ACCEPTANCE PRIOR TO BEGINning INSTALLATION.

E. THE CONTRACTOR SHALL SUBMIT SHOP DRAWINGS TO THE OWNER AND CONTRACTOR FOR ACCEPTANCE PRIOR TO BEGINning INSTALLATION.

F. THE CONTRACTOR SHALL SUBMIT SHOP DRAWINGS TO THE OWNER AND CONTRACTOR FOR ACCEPTANCE PRIOR TO BEGINning INSTALLATION.

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Y. THE CONTRACTOR SHALL SUBMIT SHOP DRAWINGS TO THE OWNER AND CONTRACTOR FOR ACCEPTANCE PRIOR TO BEGINning INSTALLATION.

Z. THE CONTRACTOR SHALL SUBMIT SHOP DRAWINGS TO THE OWNER AND CONTRACTOR FOR ACCEPTANCE PRIOR TO BEGINning INSTALLATION.
**NOTES**

1. Methods and materials used in the construction of water and sewer lines and appurtenances shall be in accordance with the Public Works Commission of Anne Arundel County Standard Specifications (PWCSA Standard) and the Department of Public Works Standard Specifications.

2. Approved design plans and construction specifications for all new projects shall be approved by the Public Works Commission of Anne Arundel County (PWCSA) and the Department of Public Works (DPW).

3. The Public Works Commission of Anne Arundel County (PWCSA) shall have the right to approve or disapprove any project design provided the PWCSA personnel are involved in the development of the project.

4. All public and private sewers shall be designed and constructed in accordance with the PWCSA Standard Specifications and the Department of Public Works Standard Specifications.

5. All public and private sewers shall be designed and constructed in accordance with the PWCSA Standard Specifications and the Department of Public Works Standard Specifications.

6. The PWCSA shall have the right to approve or disapprove any project design provided the PWCSA personnel are involved in the development of the project.

7. All public and private sewers shall be designed and constructed in accordance with the PWCSA Standard Specifications and the Department of Public Works Standard Specifications.

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**PWCSA WATER & SEWER MAIN INSPECTION FEES**

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<thead>
<tr>
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<tr>
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**PWCSA AS BUILT FEES**

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**SANITARY SEWER DESIGN & TEST TABLE**

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**SANITARY LATERAL SCHEDULE**

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**MULTI-DWELLING OR NON-RESIDENTIAL METER SCHEDULE**

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**Master Plan Utility Adjustment**

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**Valve Schedule**

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**Local Review Authority Information**

- **Title:** JULIE METZ WETLAND BOARDWALK
- **Date:** 1/1/2018
- **Local Facilities Charge:** $1,200
- **Total:** $1,800

**Fire Flow Information**

- **Flow Test:** 10 GPM
- **Flow Time:** 1 hour
- **Flow Test:** 5 GPM
- **Flow Time:** 1 hour

**MARK LIBERATI**

Project Manager

PENNINI ASSOCIATES

12/17/2018
### Project Summary & Analysis

**JULIE METZ WETLAND BOARDWALK**

**PWCSA Inspector:**

**Comments:**

**Type of project (Check all that apply):**
- [ ] Residential
- [ ] Commercial
- [ ] Industrial
- [ ] Nonresidential
- [ ] Noncommercial
- [ ] Noncommercial (not pertinent)
- [ ] Nonresidential
- [ ] Noncommercial
- [ ] Nonresidential

**Date Project Completed:**

- [ ] Water & Sewer Work Completed & Turned
- [ ] Full Financial Plan Submitted
- [ ] Released from Bond

**Number of_IRS_plan:**

- [ ] Quantity of work orders
- [ ] Number of work hours
- [ ] Number of manhours
- [ ] Number of manhours to the project

**Number of work orders:**

- [ ] Quantity of work orders
- [ ] Number of manhours
- [ ] Number of manhours to the project
- [ ] Description of major tasks that added significant inspection time (such, inspections, site visits, temporary services, pump out, etc.)

**Project Performance:**

- [ ] State project on a scale of 1 to 5 with 1 being the worst possible
- [ ] Project Total Inspection Time
- [ ] Project Total Field Time
- [ ] Number of Site Visits and Projected Time
- [ ] Number of Site Visits and Projected Time
- [ ] Project Total Time

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**PWCSA INSPECTOR WATER & SANITARY SEWER LOG SHEET**

**PLOTNUMBER:**

- [ ] PLOTTED:
  - [ ] 2/24/2020 3:46 PM
- [ ] BY:
  - [ ] Joseph Cavallaro
- [ ] PLOTSTYLE:
  - [ ] Pennoni NCS.stb
- [ ] PROJECT STATUS:
  - [ ] 2020-02-24

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**100% SUBMISSION**

**SHEET REVISED AS OF MARCH, 2013**

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**PWCSA Service Authority**

**SANITARY SEWER LOG SHEET**

**SHEET 6 OF 36**
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**Summary of Quantities**

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<tr>
<th>Item Description</th>
<th>Total</th>
<th>Unit Price</th>
<th>Total Cost</th>
</tr>
</thead>
<tbody>
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<td></td>
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</tbody>
</table>

**Note:**
No bondable public improvements are proposed with this plan.
**LEGEND**

- EXISTING NATURAL SURFACE TRAIL
- PROPOSED APPROACH TO BOARDWALK
- PROPOSED ELEVATED WOODEN BOARDWALK
- PROPOSED F.R.P. BRIDGE
- LIMITS OF CONSTRUCTION
- 100-YEAR FLOODPLAIN
- ANGLE LABEL (TYP.)
- EXISTING SPOT ELEVATION

**MATCHLINE SHEET CS1002**

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**SEGMENT**

<table>
<thead>
<tr>
<th>Segment</th>
<th>Description</th>
<th>Length</th>
</tr>
</thead>
<tbody>
<tr>
<td>STA 3+97 TO STA 15+89</td>
<td>TYPE-A/B BOARDWALK</td>
<td>1,192 FEET</td>
</tr>
<tr>
<td>CROSSING #2</td>
<td>24' F.R.P. BRIDGE</td>
<td>24 FEET</td>
</tr>
<tr>
<td>STA 16+13 TO STA 26+00</td>
<td>TYPE-A/B BOARDWALK</td>
<td>1,080 FEET</td>
</tr>
</tbody>
</table>

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**NOTE:** FOR A LIST OF CONSTRUCTED ANGLES ALONG THE PROPOSED BOARDWALK ALIGNMENT, SEE SHEET CS1005

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**CROSSING #2 - 24' BRIDGE**

**PROFILE**

- SCALE 1" = 5'

**SEGMENT**

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</tbody>
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**NEW TRAIL CORRIDOR - CLEARING STA 17+25 TO 18+28**

**EXISTING CHANNEL**

**HELICAL PILES**

- STA 15+89
- STA 16+13

---

**EXISTING NATURAL SURFACE TRAIL**

**EXISTING CHANNEL**

**NEW TRAIL CORRIDOR - CLEARING STA 12+40 TO 14+23**

**EXISTING SPOT ELEVATION**

---

**PROP. TRAIL ALIGNMENT**

**NEW TRAIL CORRIDOR - CLEARING STA 17+25 TO 18+28**

---

**Drawing Scale**

- 1" = 30'

---

**100% Submission**
1. APPROACH TO BOARDWALK ELEVATION

2. APPROACH TO PEDESTRIAN BRIDGE ELEVATION

3. APPROACH SECTION AT BACK WALL

4. ALTERNATIVE BOARDWALK POST AND FOOTING DETAIL

NOTES:
1. FILL FOR TIMBER CRIBBING SHALL BE COMPACTED CRUSHED STONE VA DOT ITEM 21A.
2. TIMBER CRIBBING SHALL BE NO. 1 SOUTHERN YELLOW PINE OR BETTER.
3. SEE CS0003, SECTION 2.0 STRUCTURAL WOOD FOR PRESERVATIVE TREATMENT.
TYPE A BOARDWALK (10 FT. SPAN & 12 FT. SPAN)

1'-6" x 6002 SCALE: 3/4" = 1'-0"

- 3" x 8" No. 1 SYP PT DECK BOARDS FASTENED WITH NO. 12 x 4" STAINLESS STEEL SCREWS 3" SPACING BETWEEN BOARDS
- 2" x 8" No. 1 SYP PT CAP SUPPORT
- ATTACH DIRECTLY TO PILE CAP
- HELICAL PILE FOUNDATION DEPTH DETERMINED BY GEOTECHNICAL ENGINEER SPECIFICATIONS

NOTE: PLAN DOES NOT PROPOSE THIS CONDITION. THIS DETAIL IS PROVIDED IF NEEDED AS DETERMINED DURING CONSTRUCTION TO MEET EXISTING FIELD CONDITIONS.

TYPE C BOARDWALK (10 FT. SPAN & 12 FT. SPAN OVER WATER)

1'-6" x 6002 SCALE: 3/4" = 1'-0"

- 3" x 8" No. 1 SYP PT DECK BOARDS FASTENED WITH NO. 12 x 4" STAINLESS STEEL SCREWS 3" SPACING BETWEEN BOARDS
- 2" x 8" No. 1 SYP PT CAP SUPPORT
- ATTACH DIRECTLY TO PILE CAP
- HELICAL PILE FOUNDATION DEPTH DETERMINED BY GEOTECHNICAL ENGINEER SPECIFICATIONS

NOTE: PLAN DOES NOT PROPOSE THIS CONDITION. THIS DETAIL IS PROVIDED IF NEEDED AS DETERMINED DURING CONSTRUCTION TO MEET EXISTING FIELD CONDITIONS.

TYPE B BOARDWALK (14 FT. SPAN)

1'-6" x 6002 SCALE: 3/4" = 1'-0"

- 3" x 8" No. 1 SYP PT DECK BOARDS FASTENED WITH NO. 12 x 4" STAINLESS STEEL SCREWS 3" SPACING BETWEEN BOARDS
- 2" x 8" No. 1 SYP PT CAP SUPPORT
- ATTACH DIRECTLY TO PILE CAP
- HELICAL PILE FOUNDATION DEPTH DETERMINED BY GEOTECHNICAL ENGINEER SPECIFICATIONS

NOTE: SEE CROSSING X X 8 ON SHEET CS1003.

TYPE D BOARDWALK (14 FT. SPAN OVER WATER)

1'-6" x 6002 SCALE: 3/4" = 1'-0"

- 3" x 8" No. 1 SYP PT DECK BOARDS FASTENED WITH NO. 12 x 4" STAINLESS STEEL SCREWS 3" SPACING BETWEEN BOARDS
- 2" x 8" No. 1 SYP PT CAP SUPPORT
- ATTACH DIRECTLY TO PILE CAP
- HELICAL PILE FOUNDATION DEPTH DETERMINED BY GEOTECHNICAL ENGINEER SPECIFICATIONS

NOTE: SEE CROSSING X X 8 ON SHEET CS1003.
BOARDWALK CONSTRUCTION NARRATIVE

THE TRAIL ALIGNMENT HAS BEEN ESTABLISHED IN THE FIELD BASED ON EXISTING CONDITIONS TO MINIMIZE DISTURBANCE TO EXISTING TREES AND THE LIKE. CONTRACTOR SHALL SELECT 10, 12 OR 14-FOOT LONG SECTIONS AND FIELD DETAILS TO ADDRESS ANGLES IN THE TRAIL ALIGNMENT BASED ON FIELD CONDITIONS.

FIELD NOTES:
1. PLACE FRP SHIM BETWEEN BOTTOM OF CLIP AND WOOD SILL
2. 2" HOLE LAG BOLT REQUIRED (TYP.)

NOTE: FOR GRAPHIC CLARITY, 2"X4" (2x) SYP CURBING NOT SHOWN. SEE SHEET CS6002, DETAILS 1 AND 2 FOR MORE INFORMATION.

SIMPSON - LS - STRONG TIE WOOD CONSTRUCTION CONNECTOR (TYP.)

3"X8" NO.1 SYP PT DECK BOARDS FASTENED WITH (2) NO.12 X 4 1/2" STAINLESS STEEL DECK SCREWS PER BOARD AND STRINGER CROSSING 3/8" SPACING BETWEEN BOARDS

10" X 10" NO.1 SYP PT PILE CAP

4"X6" NO.1 SYP PT GUARDRAIL POSTS

FOUNDATION LAG BOLT

NOTE: FOR DECKING LAYOUT, FOLLOW ANGULAR DECK BOARD DETAIL (THIS SHEET)

NOTE: FOR GRAPHIC CLARITY, 2"X4" (2x) SYP CURBING NOT SHOWN. SEE SHEET CS6002, DETAIL 1 AND 2 FOR MORE INFORMATION.
STANDARD LARGE RADIUS (20° OR LESS)

Alternate angled and straight decking boards along sections of large radius
Six 2.5" two-angle cut boards & one 4" single-angle cut board
Max. chord length = 4' - 0"

STANDARD LARGE RADIUS (20° OR GREATER)

Note: For graphic clarity, 2"x4" (2x) SYP curbing not shown. See sheet CS6002, detail 1 and 2 for more information.

NOTE:
For graphic clarity, 2"x4" (2x) SYP curbing not shown. See sheet CS6002, detail 1 and 2 for more information.

The trail alignment has been established in the field based on existing conditions to minimize disturbance to existing trees and the like.

Contractor shall select 10, 12 or 14-foot-long sections and radius details to address angles in the trail alignment based on field conditions.

Boardwalk construction narrative: For graphic clarity, 2"x4" (2x) SYP curbing not shown. See sheet CS6002, detail 1 and 2 for more information.
BOARDWALK RADIUS DETAIL

STANDARD SMALL RADIUS (20° OR LESS)

6013

- SIX 2" TWO-ANGLE CUT BOARDS & ONE 4" SINGLE-ANGLE CUT BOARD
- MAX CHORD LENGTH = 4'-5" (MAX LENGTH = 10')

STANDARD SMALL RADIUS (20° OR GREATER)

6013

- SIX 2" TWO-ANGLE CUT BOARDS & ONE 4" SINGLE-ANGLE CUT BOARD (PER CHORD)
- MAX CHORD LENGTH = 4'-5"

NOTE:
FOR GRAPHIC CLARITY, 2"X4" CURBING NOT SHOWN.
SEE SHEET CS6002, DETAIL 1 AND 2 FOR MORE INFORMATION.

BOARDWALK CONSTRUCTION NARRATIVE

THE TRAIL ALIGNMENT HAS BEEN ESTABLISHED IN THE FIELD BASED ON EXISTING CONDITIONS TO MINIMIZE DISTURBANCE TO EXISTING TREES AND THE LIKE.
CONTRACTOR SHALL SELECT 10, 12 OR 14-FOOT-LONG SECTIONS AND RADIUS DETAILS TO ADDRESS ANGLES IN THE TRAIL ALIGNMENT BASED ON FIELD CONDITIONS.

NOTE:
FOR GRAPHIC CLARITY, 2"X4" CURBING NOT SHOWN.
SEE SHEET CS6002, DETAIL 1 AND 2 FOR MORE INFORMATION.
NOTES:
1. ALL CLEARING AND GRUBBING SHALL BE PERFORMED USING HAND TOOLS ONLY.
2. SEE SHEET 22 FOR EROSION AND SEDIMENT CONTROL DETAILS.
3. SEE SHEET 23 FOR EROSION AND SEDIMENT CONTROL DETAILS.

THIS SHEET FOR EROSION AND SEDIMENT CONTROL PURPOSES ONLY.
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1. ALL CLEARING AND GRUBBING SHALL BE PERFORMED USING HAND TOOLS ONLY.
2. SEE SHEET 22 FOR EROSION AND SEDIMENT CONTROL NOTES.
3. SEE SHEET 23 FOR EROSION AND SEDIMENT CONTROL DETAILS.
THIS SHEET FOR EROSION AND SEDIMENT CONTROL PURPOSES ONLY.
JULIE METZ WETLAND BOARDWALK
PRINCE WILLIAM COUNTY DEPARTMENT OF PARKS AND RECREATION

EROSION & SEDIMENT CONTROL PLAN

NOTES:
1. ALL CLEARING AND GRUBBING SHALL BE PERFORMED USING HAND TOOLS ONLY.
2. SEE SHEET 22 FOR EROSION AND SEDIMENT CONTROL NOTES.
3. SEE SHEET 23 FOR EROSION AND SEDIMENT CONTROL DETAILS.

FINAL LOCATION OF CONSTRUCTION ENTRANCE MAY BE ADJUSTED IN THE FIELD AS APPROVED BY PWCO.

THIS SHEET FOR EROSION AND SEDIMENT CONTROL PURPOSES ONLY.
1. SEE SOILS MAP SHOWN ON COVER SHEET.

2. TO THE OFFSITE PROJECT ADJACENT TO PUBLIC ACCESS.

PRINCIPLE:

1. DRAINAGE

APPLICATION:

1. SEE ENGINEER'S NOTE ON COVER SHEET.

2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL QUALITY AND QUANTITY AS SHOWN ON THE BLUE PRINTS. THE CONTRACTOR SHALL ENSURE THAT ALL WORK IS PERFORMED IN ACCORDANCE WITH THE REQUIREMENTS OF THIS CONTRACT AND THE APPROPRIATE LOCAL, STATE AND FEDERAL CODES.

3. ALL SOD UTILIZED TO CREATE VEGETATIVE COVER SHALL BE PROVIDED BY THE CONTRACTOR AND MUST MEET THE REQUIREMENTS OUTLINED IN THE VIRGINIA EROSION AND SEDIMENT CONTROL HANDBOOK.

4. THE WORKSHOPS AS OPENED FOR INSPECTION ARE TO BE ERECTED AND MAINTAINED ACCORDING TO THE REQUIREMENTS OF THE VIRGINIA EROSION AND SEDIMENT CONTROL HANDBOOK.

5. ALL TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES SHALL BE INSTALLED IN ACCORDANCE WITH THE REQUIREMENTS OF THE VIRGINIA EROSION AND SEDIMENT CONTROL HANDBOOK. ALL TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES SHALL BE REMOVED AFTER THE END OF THE CONTRACT PERIOD.

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**COMPOSITE FILTER SOCK - PLAN SHEET DETAILS**

**GENERAL**

Composite Filter Sock (CFS) can be implemented in the following applications:

- 1. Landfills
- 2. Waste Water Treatment Plants
- 3. Stormwater
- 4. Robotics

**INSTALLATION**

- CFS should be installed with the filter sock facing up, into the voids and spaces to prevent water from ponding, forming a "filter sock" between the voids.
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**MAINTENANCE**

- CFS should be inspected on a regular basis. Replacements should be made immediately in the event of damage. CFS should be removed immediately in the event of damage. CFS should be removed immediately in the event of damage. CFS should be removed immediately in the event of damage.

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See Sheet 2 for areas table.