



**U.S. Army Corps
of Engineers**
Baltimore District

Public Notice

In Reply to Application Number
CENAB-OPR-M (NSF-INDIAN HEAD/ BUILDING 459)
2016-60552

PN 16-31

Comment Period: May 18, 2016 to June 1, 2016

THE PURPOSE OF THIS PUBLIC NOTICE IS TO SOLICIT COMMENTS FROM THE PUBLIC ABOUT THE WORK DESCRIBED BELOW. AT THIS TIME, NO DECISION HAS BEEN MADE AS TO WHETHER OR NOT A PERMIT WILL BE ISSUED.

The Baltimore District Corps of Engineers have received an application for a Department of the Army permit pursuant to Section 10 of the Rivers and Harbors Act of 1899 and Section 404 of the Clean Water Act, as described below:

APPLICANT: NSF-Indian Head
c/o Mr. Jeffrey Bossart
3972 Ward Road, Suite 101
Indian Head, Maryland 20640

LOCATION: In an unnamed tributary to Mattawoman Creek between buildings 458 and 459 at NSF-Indian Head, Indian Head, Charles County, Maryland

WORK: To stabilize a stream system by relocating the stream channel and constructing a 10-foot wide by 50-foot long riffle grade control structure; utilize two clay plugs to create a vernal pool within the old bend; to remove fall tree log jams impacting approximately 554 square feet of nontidal forested wetlands for access and approximately 2,310 square feet along 3,330 linear feet of stream within an unnamed tributary to Mattawoman Creek. All work is to be completed in accordance with the proposed plan(s). If you have any questions concerning this matter, please contact Mrs. Erica Schmidt at (410) 962-6029 or Erica.Schmidt@usace.army.mil.

Site layout for this project was based upon existing stream conditions. Efforts were made to avoid, to the extent possible, the long and short-term adverse impacts associated with the proposed project. The applicant proposes to access the site from the land from building 458.

Compensatory mitigation is not being proposed by the applicant for permanent impacts to the stream. The proposed project will reduce sedimentation downstream and the area of the existing bend will be converted into habitat for aquatic wildlife with specific attention to creating herp habitat.

The purpose of the project is primarily to provide stream bank stabilization.

The decision whether to issue a permit will be based on an evaluation of the probable impact including cumulative impacts of the proposed activity on the public interest. That decision will reflect the national concern for both protection and utilization of important

resources. The benefit which reasonably may be expected to accrue from the proposal must be balanced against its reasonably foreseeable detriments. All factors which may be relevant to the proposal will be considered including the cumulative effects thereof; among those are conservation, economics, aesthetics, general environmental concerns, wetlands, cultural values, fish and wildlife values, flood hazards, flood plain values, land use, navigation, shoreline erosion and accretion, recreation, water supply and conservation, water quality, energy needs, safety, food and fiber production, and, in general, the needs and welfare of the people.

The Corps of Engineers is soliciting comments from the public; Federal, State, and local agencies and officials; Indian Tribes; and other interested parties in order to consider and evaluate the impacts of this proposed activity. Any comments received will be considered by the Corps of Engineers to determine whether to issue, modify, condition or deny a permit for this proposal. To make this decision, comments are used to assess impacts on endangered species, historic properties, water quality, general environmental effects, and the other public interest factors listed above. Comments are used in the preparation of an Environmental Assessment and/or an Environmental Impact Statement pursuant to the National Environmental Policy Act. Comments are also used to determine the need for a public hearing and to determine the overall public interest of the proposed activity.

The applicant is required to obtain a water quality certification in accordance with Section 401 of the Clean Water Act from the Maryland Department of the Environment. Any written comments concerning the work described above which relate to water quality certification must be received by the Wetlands and Waterways Program, Maryland Department of the Environment, 1800 Washington Blvd. Suite 430, Baltimore, Maryland 21230 within the comment period as specified above to receive consideration. Written comments concerning the work described above related to the factors listed above or other pertinent factors must be received by the District Engineer, US Army Corps of Engineers, Baltimore District, 10 S. Howard Street, Baltimore, Maryland 21201, within the comment period as specified above to receive consideration. The 401 certifying agency has a statutory limit of one year to make its decision.

The applicant has certified in this application that the proposed activity complies with and will be conducted in a manner consistent with the Maryland Coastal Zone Program. This certification statement is available for inspection in the District Office; however, public comments relating to consistency must be received by the Coastal Zone Division, Maryland Department of the Environment, 1800 Washington Blvd. Suite 430, Baltimore, Maryland 21230, within the comment period as specified above. It should be noted that CZ Division has a statutory limit of 6 months in which to make its consistency determination.

The applicant must obtain any State or local government permits, which may be required.

A preliminary review of this application indicates that the proposed work will not affect listed species or their critical habitat pursuant to Section 7 of the Endangered Species Act as amended. As the evaluation of this application continues, additional information may become available which could modify this preliminary determination.

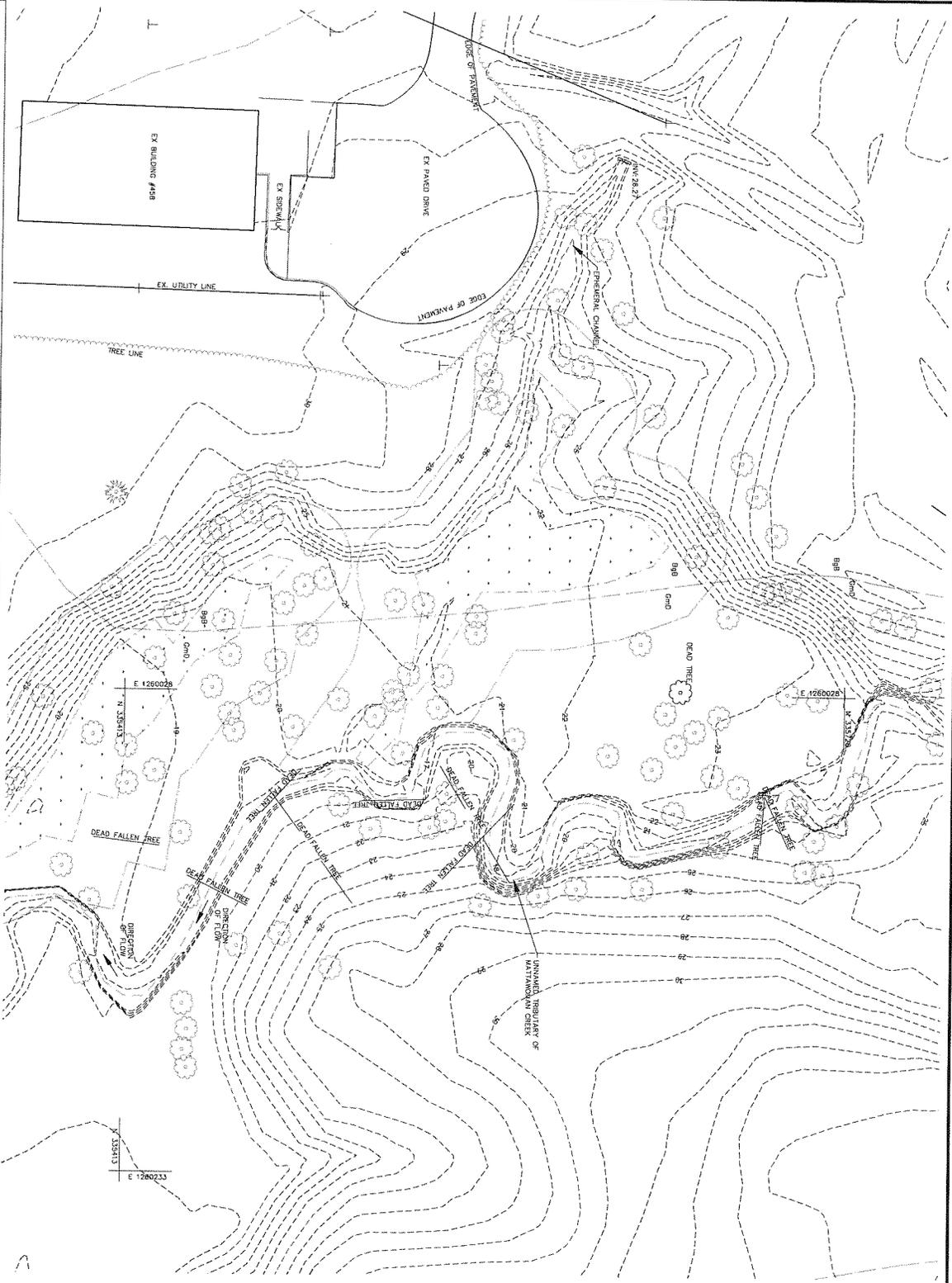
Review of the latest published version of the National Register of Historic Places indicates that no registered properties listed as eligible for inclusion therein are located at the site of the proposed work. Currently unknown archeological, scientific, prehistoric, or historical data may be lost or destroyed by the work to be accomplished under the requested permit.

The evaluation of the impact of the work described above on the public interest will include application of the guidelines promulgated by the Administrator, U.S. Environmental Protection Agency, under authority of Section 404 of the Clean Water Act. Any person who has an interest, which may be adversely affected by the issuance of this permit, may request a public hearing. The District Engineer must receive the request, which must be in writing, US Army Corps of Engineers, Baltimore District, 10 S. Howard Street, Baltimore, Maryland 21201, within the comment period as specified as above to receive consideration. Also, it must clearly state forth the interest that may be adversely affected by this activity in the manner in which the interest may be adversely affected.

It is requested that you communicate the foregoing information concerning the proposed work to any persons known by you to be interested and not being known to this office, who did not receive a copy of this notice.

FOR THE DISTRICT ENGINEER:

Kathy B. Anderson
Chief, Maryland Section Southern



- LEGEND**
- EXISTING OVERHEAD UTILITIES
 - EXISTING WETLANDS
 - EXISTING WETLAND BUFFER
 - EXISTING STREAM CHANNEL
 - EXISTING TREELINE
 - EXISTING TREE
 - EXISTING SOIL BOUNDARY

SOILS LEGEND

84B - BELMONT-GOODSTOWN-ROCKSPRING COMPLEX 5 TO 15 PERCENT SLOPE
 84C - GOODSTOWN-WASHINGTON COMPLEX 5 TO 15 PERCENT SLOPE
 84D - GOODSTOWN-WASHINGTON COMPLEX 15 TO 35 PERCENT SLOPE

THE RECOMMEND SOIL ON SITE IS 84D GOODSTOWN-WASHINGTON COMPLEX 5 TO 15 PERCENT SLOPE WHICH CONTAINS 38 PERCENT OF GOODSTOWN AND SIMILAR SOILS, 25 PERCENT WINDY HOLLOW, 19 PERCENT WINDY HOLLOW AND SIMILAR SOILS AND 20 PERCENT WINDY HOLLOW.

Notes:
 1. Present material: Sandy and gravelly, medium-texture deposits.
 2. Available water storage (inches): High (about 2.7 inches)
 3. Permeability: Moderate to high
 4. Hydrologic Soil Group: A

Prepared for Applicant: **NAVTEC**

Contract #: 140803-14-0002

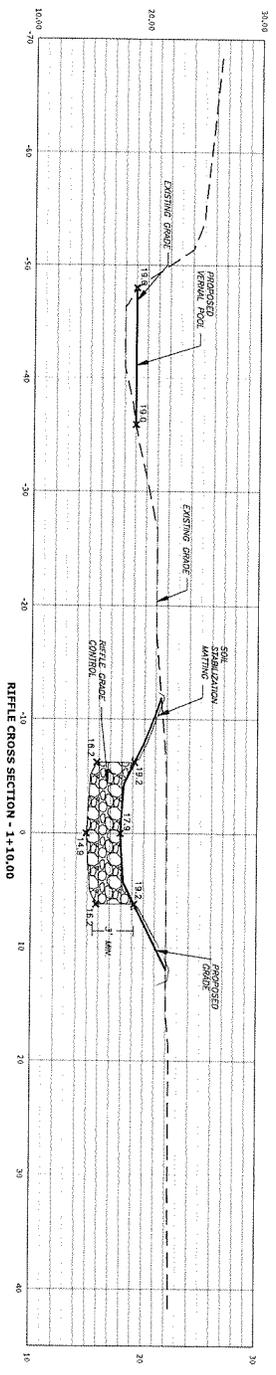
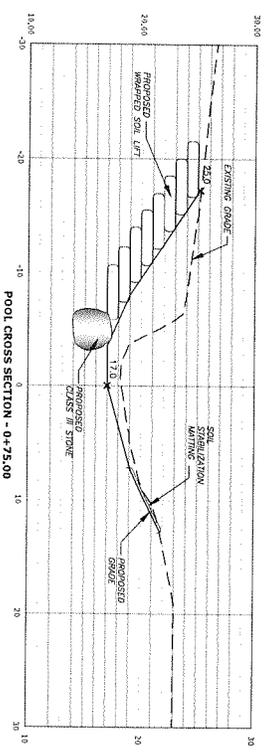
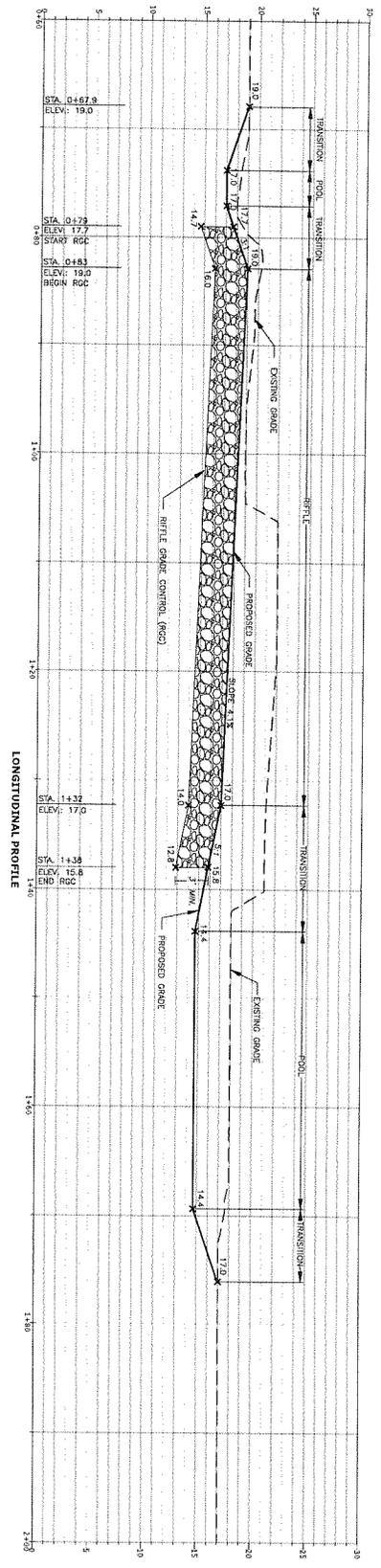
Survey: **SOLTESS**

Prepared by: **MARSTEL DAY**, **VERSAR**, **esa**

Environmental Analysis, Inc. National Resources Management
 102 West Street
 Charlottesville, VA 22901

PRELIMINARY EROSION & SEDIMENT CONTROL STREAM STABILIZATION PLAN
 BUILDING 459
 SCALE: 1"=20'

DATE: DECEMBER 2015
 SHEET: 3 of 11



- LEGEND**
- EXISTING GRADE
 - - - PROPOSED GRADE
 - ▨ PROPOSED RIFLE GRADE CONTROL (RGC)
 - ▨ PROPOSED WRAPPED SOIL LIFT
 - PROPOSED CLASS III STONE

Prepared for/Applicant: **NAVTEC**

Contract #: M028-14-D-002

Prepared by: **MARSTEL DAY**

Survey: **SOLTESS**

513 Prince Edward Street Suite 101
Fredericksburg, VA 22401

2713 Marston Blvd, S. D
Hampton, VA 23066

esb Environmental Systems, Inc.

142 West Street
Hampton, VA 23041

LONGITUDINAL PROFILE AND CROSS SECTIONS

BUILDING 459
PRE-FINAL EROSION & SEDIMENT CONTROL STREAM STABILIZATION PLAN
NAVAL AIRPORT FACILITY ANNAPOLIIS-450
NOVEMBER 2015

DATE: DECEMBER 2015
ES&A PROJECT NAME: 2015-02
Drawing: 051500/PreFinal/Stream Stab/Drawings

HORIZONTAL & VERTICAL SCALE: 1"=5'

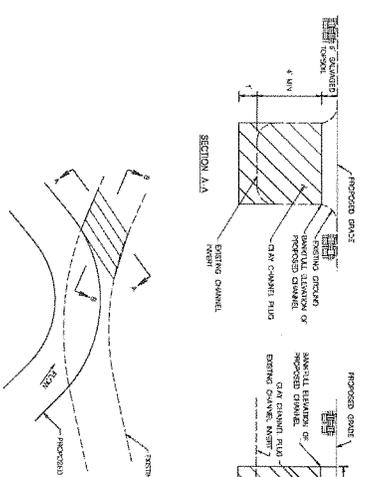
SHEET: 5 of 11

PROPOSED PLANT LIST

Qty	Scientific Name	Common Name	Condition	Indicator Status	Spacing
1	<i>Quercus macrocarpa</i>	White Oak	Native	Native	100' (18" x 18")
1	<i>Quercus prinus</i>	Prickly Pear	Native	Native	100' (18" x 18")
1	<i>Quercus laevis</i>	Live Oak	Native	Native	100' (18" x 18")
1	<i>Quercus falcata</i>	Chickadee Oak	Native	Native	100' (18" x 18")
1	<i>Quercus coccinea</i>	Scarlet Oak	Native	Native	100' (18" x 18")
1	<i>Quercus rubra</i>	Red Oak	Native	Native	100' (18" x 18")
1	<i>Quercus alba</i>	White Oak	Native	Native	100' (18" x 18")
1	<i>Quercus sp.</i>	Quercus sp.	Native	Native	100' (18" x 18")

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1	<i>Quercus sp.</i>	Quercus sp.	Native	Native	100' (18" x 18")



CLAY PLUGS CONSTRUCTION:

THE RESTORATION SPECIALIST WILL INSPECT THE SELECT FILL AND COMPENSATION MIXTURE TO INSTALLATION. UNACCEPTABLE MATERIAL SHALL BE REMOVED AT THE CONTRACTOR'S EXPENSE. CLAY CHANNEL PLUGS SHALL BE INSTALLED AT THE LOCATIONS AND ELEVATIONS AS SHOWN IN THE PERMITTED FEATURE BASED ON THE STREAM CONDITIONS AT THE TIME OF CONSTRUCTION.

1. PRIOR TO CONSTRUCTING THE CLAY CHANNEL PLUG, SHED ANCHOR STAKE THE CHANNEL BANKS TO THE PROPOSED COMPLETION.
2. AT THE LOCATION SPECIFIED FOR THE STRUCTURE, EXCAVATE EXISTING GROUND TO A DEPTH OF 1 FOOT BELOW THE PROPOSED CHANNEL.
3. PLACE SELECT FILL MATERIAL INTO THE EXCAVATED FOOTING OF THE STRUCTURE IN 4-INCH LIFTS TO THE HEIGHT SHOWN ON THE DRAWING. FILLING AND COMPACTING WITH AN APPROPRIATE SPREADER/CLAY COMPACTOR MAKING TWO COMPLETE PASSES AROUND EACH LIFT. CONTINUE 4 PLACE LIFTS OF SANDED TOSSEL ON TOP OF THE CLAY CHANNEL PLUG.
4. PLACE 4 INCHES OF SANDED TOSSEL ON TOP OF THE CLAY CHANNEL PLUG.

Prepared for/Client:

Contract #: M9919-14-0-002

NO. BY DATE

REVISIONS

Survey:

SOLTESZ

WALTERS ENGINEERING
1401 W. 21st St. # 101
Hampton, VA 23666

Prepared by:

MARSTEL DAY

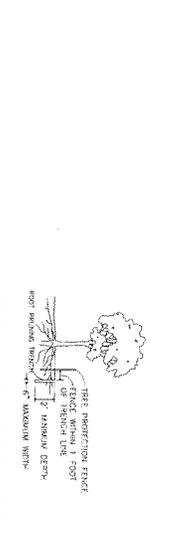
Marstel-Day, LLC
415 Prince Edward Street, Suite 101
Friedrichsburg, VA 23101

VERSAR

Versar, Inc.
2713 Magwood Blvd., N. D
Hampton, VA 23666

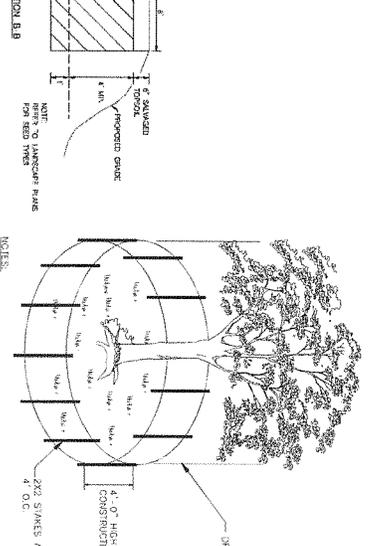
esa

Environmental
Science
Analysis, Inc.
National Resources Management
Ecological Restoration
107 West Street
Hampton, VA 23666



TYPICAL TREE PROTECTION FENCE CROSS SECTION

1. HAZARDOUS AREAS WILL BE SET AS PART OF THE REVIEW PROCESS.
2. TREE PROTECTION AREAS SHOULD BE PLACED & MAINTAINED PRIOR TO CONSTRUCTION.
3. TREE PROTECTION AREAS SHOULD BE MAINTAINED THROUGHOUT CONSTRUCTION.
4. TREE PROTECTION AREAS SHOULD BE MAINTAINED THROUGHOUT CONSTRUCTION.
5. TREE PROTECTION AREAS SHOULD BE MAINTAINED THROUGHOUT CONSTRUCTION.
6. TREE PROTECTION AREAS SHOULD BE MAINTAINED THROUGHOUT CONSTRUCTION.
7. TREE PROTECTION AREAS SHOULD BE MAINTAINED THROUGHOUT CONSTRUCTION.



TREE PROTECTION

1. DURING STAKE DRIVING INTO GROUND & EJECT 12" x 12" x 12" CONCRETE BLOCKS.
2. THE TREE TRUNKLINE.

PLANTING NOTES & DETAILS

PRE-FILL EROSION & SEDIMENT CONTROL STREAM STABILIZATION PLAN

NO. BY DATE

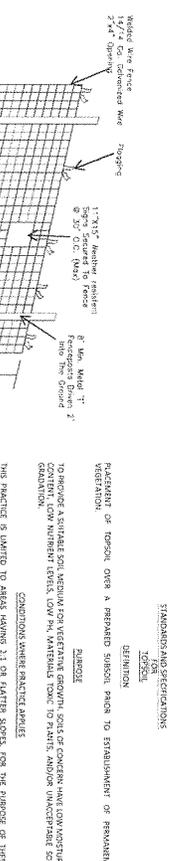
REVISIONS

DATE: DECEMBER 2015

ESM PROJECT NAME: 2015-10

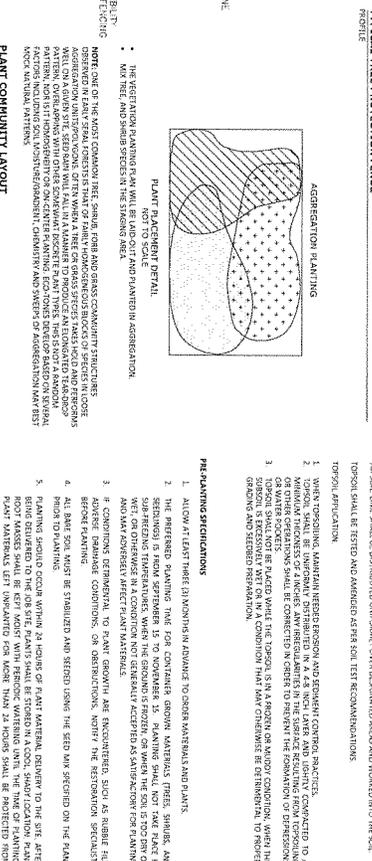
PROJECT LOCATION: 107 West Street, Hampton, VA 23666

SHEET: 10d/11



TYPICAL TREE PROTECTION FENCE PROFILE

1. PRACTICE MAY BE COMBINED WITH SIGNIFICANT CONTROL BARRIERS.
2. BARRIERS OF PROTECTION AREAS SHOULD BE STAKED PRIOR TO CONSTRUCTION.
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4. BARRIERS OF PROTECTION AREAS SHOULD BE STAKED PRIOR TO CONSTRUCTION.
5. BARRIERS OF PROTECTION AREAS SHOULD BE STAKED PRIOR TO CONSTRUCTION.



PLANT COMMUNITY LAYOUT

1. DURING STAKE DRIVING INTO GROUND & EJECT 12" x 12" x 12" CONCRETE BLOCKS.
2. THE TREE TRUNKLINE.

PLANTING NOTES & DETAILS

PRE-FILL EROSION & SEDIMENT CONTROL STREAM STABILIZATION PLAN

NO. BY DATE

REVISIONS

DATE: DECEMBER 2015

ESM PROJECT NAME: 2015-10

PROJECT LOCATION: 107 West Street, Hampton, VA 23666

SHEET: 10d/11

