



# PUBLIC NOTICE

US Army Corps  
of Engineers  
New York District  
Jacob K. Javits Federal Building  
New York, N.Y. 10278-0090  
ATTN: Regulatory Branch

**In reply refer to:**

Public Notice Number: NAN-2018-01147-WCA

Issue Date: December 6, 2018

Expiration Date: January 4, 2019

To Whom It May Concern:

The New York District, Corps of Engineers has received an application for a Department of the Army permit pursuant to Section 10 of the Rivers and Harbors Act of 1899 (33 U.S.C. 403), and Section 404 of the Clean Water Act (33 U.S.C. 1344).

**APPLICANT:** Public Service Electric and Gas Company  
4000 Hadley Road  
South Plainfield, New Jersey 07080

**ACTIVITY:** Discharge fill into waters of the United States to facilitate the construction and installation of a high voltage electrical transformer and associated security wall.

**WATERWAY:** Bellman's Creek (Hackensack River Watershed)

**LOCATION:** Borough of Ridgefield, Bergen County, New Jersey.

A detailed description and plans of the applicant's activity are enclosed to assist in your review.

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, historic properties, fish and wildlife values, flood hazards, floodplain values, land use, navigation, shoreline erosion and accretion, recreation, water supply and conservation, water quality, energy needs, safety, food and fiber production, mineral needs, considerations of property ownership 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 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.

**ALL COMMENTS REGARDING THE PERMIT APPLICATION MUST BE PREPARED IN WRITING AND MAILED TO REACH THIS OFFICE BEFORE THE EXPIRATION DATE OF THIS NOTICE,** otherwise, it will be presumed that there are no objections to the activity.

Comments submitted in response to this notice will be fully considered during the public interest review for this permit application. Comments provided will become part of the public record for this permit application. All written comments, including contact information, will be made a part of the administrative record, available to the public under the Freedom of Information Act. The Administrative Record, or portions thereof, may also be posted on a Corps of Engineers internet web site. Due to resource limitations, this office will normally not acknowledge the receipt of comments or respond to individual letters of comment.

Any person may request, in writing, before this public notice expires, that a public hearing be held to collect information necessary to consider this application. Requests for public hearings shall state, with particularity, the reasons why a public hearing should be held. It should be noted that information submitted by mail is considered just as carefully in the permit decision process and bears the same weight as that furnished at a public hearing.

Our preliminary determination is that the activity for which authorization is sought herein is not likely to affect any Federally endangered or threatened species or their critical habitat. However, pursuant to Section 7 of the Endangered Species Act (16 U.S.C. 1531), the District Engineer is consulting with the appropriate Federal agency to determine the presence of and potential impacts to listed species in the project area or their critical habitat.

The Magnuson-Stevens Fishery Conservation and Management Act, as amended by the Sustainable Fisheries Act (Public Law 104-267), requires all Federal agencies to consult with the National Oceanic and Atmospheric Administration Fisheries Service (NOAA/FS) on all actions, or proposed actions, permitted, funded, or undertaken by the agency, that may adversely affect Essential Fish Habitat (EFH). The proposed work, fully described in the attached work description, could cause the disruption of habitat for various life stages of some EFH-designated species as a result of the proposed activity. Further consultation with NOAA/FS regarding EFH impacts and conservation recommendations is being conducted and will be concluded prior to the final decision.

Based upon a review of the latest published version of the National Register of Historic Places, there are no known sites eligible for, or included in, the Register within the permit area. Presently unknown archeological, scientific, prehistorical, or historical data may be lost by work accomplished under the required permit.

Reviews of activities pursuant to Section 404 of the Clean Water Act will include application of the guidelines promulgated by the Administrator, U.S. Environmental Protection Agency, under authority of Section 404 (b) of the Clean Water Act and the applicant will obtain a water quality certificate or waiver from the appropriate state agency in accordance with Section 401 of the Clean Water Act prior to a permit decision.

Pursuant to Section 307 (c) of the Coastal Zone Management Act of 1972 as amended [16 U.S.C. 1456 (c)], for activities under consideration that are located within the coastal zone of a state which has a federally approved coastal zone management program, the applicant has certified in the permit application that the activity complies with, and will be conducted in a manner that is consistent with, the approved state coastal zone management program. By this public notice, we are requesting the state's concurrence with, objection to, or waiver of the applicant's certification. No permit decision will be made until one of these actions occurs. For activities within the coastal zone of New Jersey State, the applicant's certification and accompanying information is available from the New Jersey Department of Environmental Protection, Coastal Management Program, P.O. Box 418, 401 E. State Street, Trenton, NJ, 08625, Telephone (609) 633-2201. Comments regarding the applicant's certification, and copies of any letters to this office commenting upon this proposal, should be so addressed.

CENAN-OP-RW

PUBLIC NOTICE NO. NAN-2018-01147-WCA

In addition to any required water quality certificate and coastal zone management program concurrence, the applicant has obtained or requested the following governmental authorization for the activity under consideration:

- (New Jersey Department of Environmental Protection Waterfront Development Permit)

It is requested that you communicate the foregoing information concerning the activity to any persons known by you to be interested and who did not receive a copy of this notice. If you have any questions concerning this application, you may contact this office at (917) 790-8412 and ask for Jim Cannon.

In order for us to better serve you, please complete our Customer Service Survey located at <http://www.nan.usace.army.mil/Missions/Regulatory/CustomerSurvey.aspx>.

For more information on New York District Corps of Engineers programs, visit our website at <http://www.nan.usace.army.mil>.

  
For Stephan A. Ryba  
Chief, Regulatory Branch

Enclosures

**WORK DESCRIPTION**

The applicant, the Public Service Electric and Gas Company (PSEG), has requested Department of the Army authorization to discharge fill into tidal waters of the United States to facilitate the construction and installation of a high voltage electrical transformer and an associated security wall as part of the project known as the "Bergen NERC CIP Phase 2 Wall and Transformer Installation". The proposed project would take place within the existing PSEG Bergen Switching Station, within Bellman's Creek, a tidal tributary of the Hackensack River, in the Borough of Ridgefield, Bergen County, New Jersey.

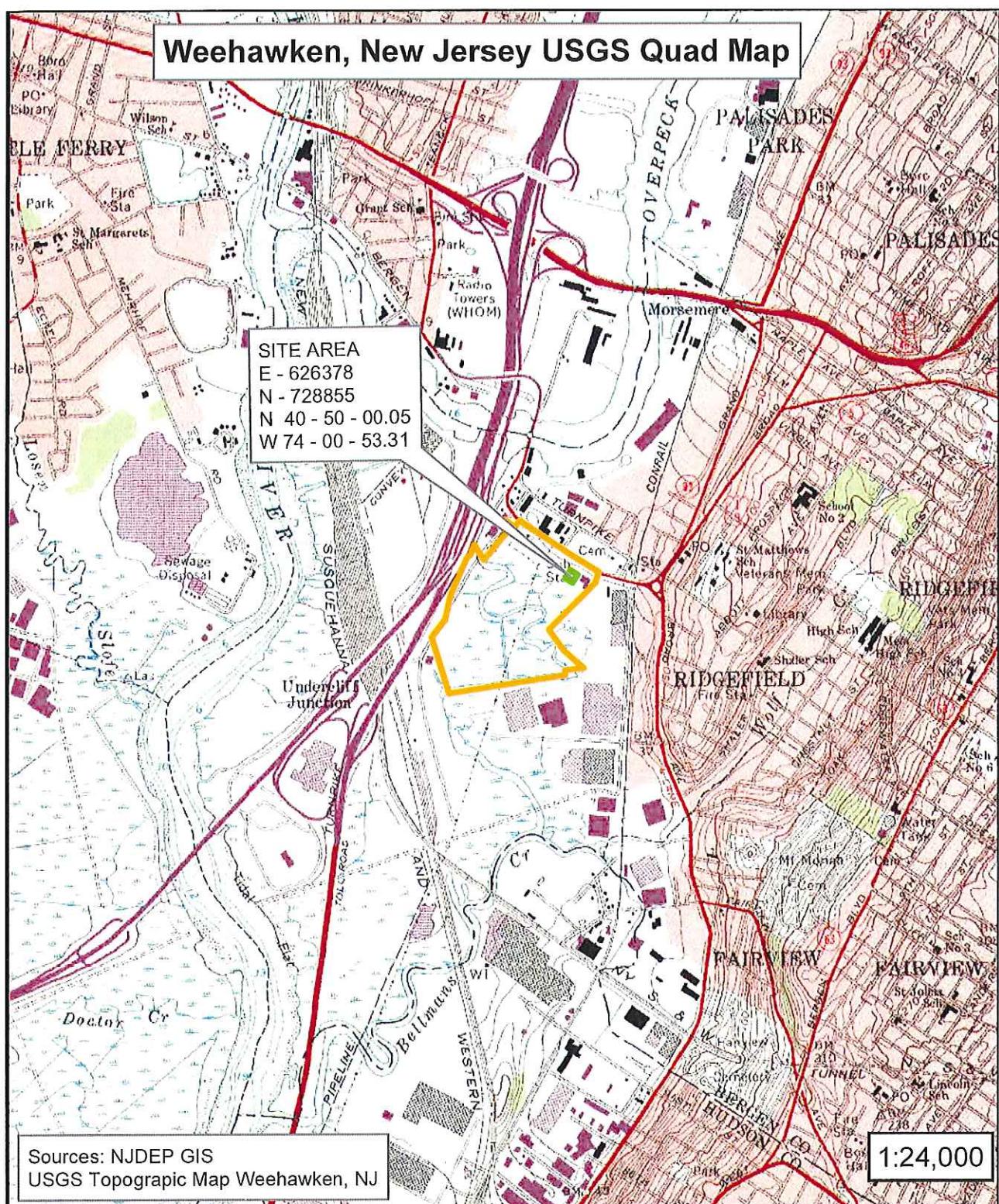
The proposed regulated activities would include the discharge of approximately 2,200 cubic yards of fill material into approximately 0.16 acres of waters of the United States (0.03 acres of open water, 0.13 acres of common reed dominated wetlands) to facilitate the construction and installation of a 41.5-foot long by 17-foot wide concrete pad. Once installed, a 47.3-foot long by 38-foot wide high voltage electrical transformer would be constructed on top of the pad. To ensure the security of the high voltage electrical transformer, a 37-foot high concrete security wall would be constructed around the transformer pad. Approximately 0.01 acres of waters of the United States would be temporarily disturbed as part of the proposed activities.

The applicant has stated that permanent impacts to waters of the United States, including wetlands, would be avoided and minimized through the proposed use of crushed stone surfacing, shallow site slopes, and an oil containment area.

To compensate for the 0.16 acres of permanent wetland impacts associated with the project proposal, the applicant proposes to purchase 0.16 mitigation credits from a federally approved wetland mitigation bank known as the "Evergreen MRI3 Wetland Mitigation Bank", located in the Hackensack Meadowlands District.

The applicant has stated that the project proposal has been mandated by the Reliability Standards for Physical Security Measures, 146 Federal Energy Regulatory Commission (FERC) 61,166 (Order Directing Filing of Standards, issued March 7, 2014) requirements to maintain system reliability and site security concerns.

## Weehawken, New Jersey USGS Quad Map

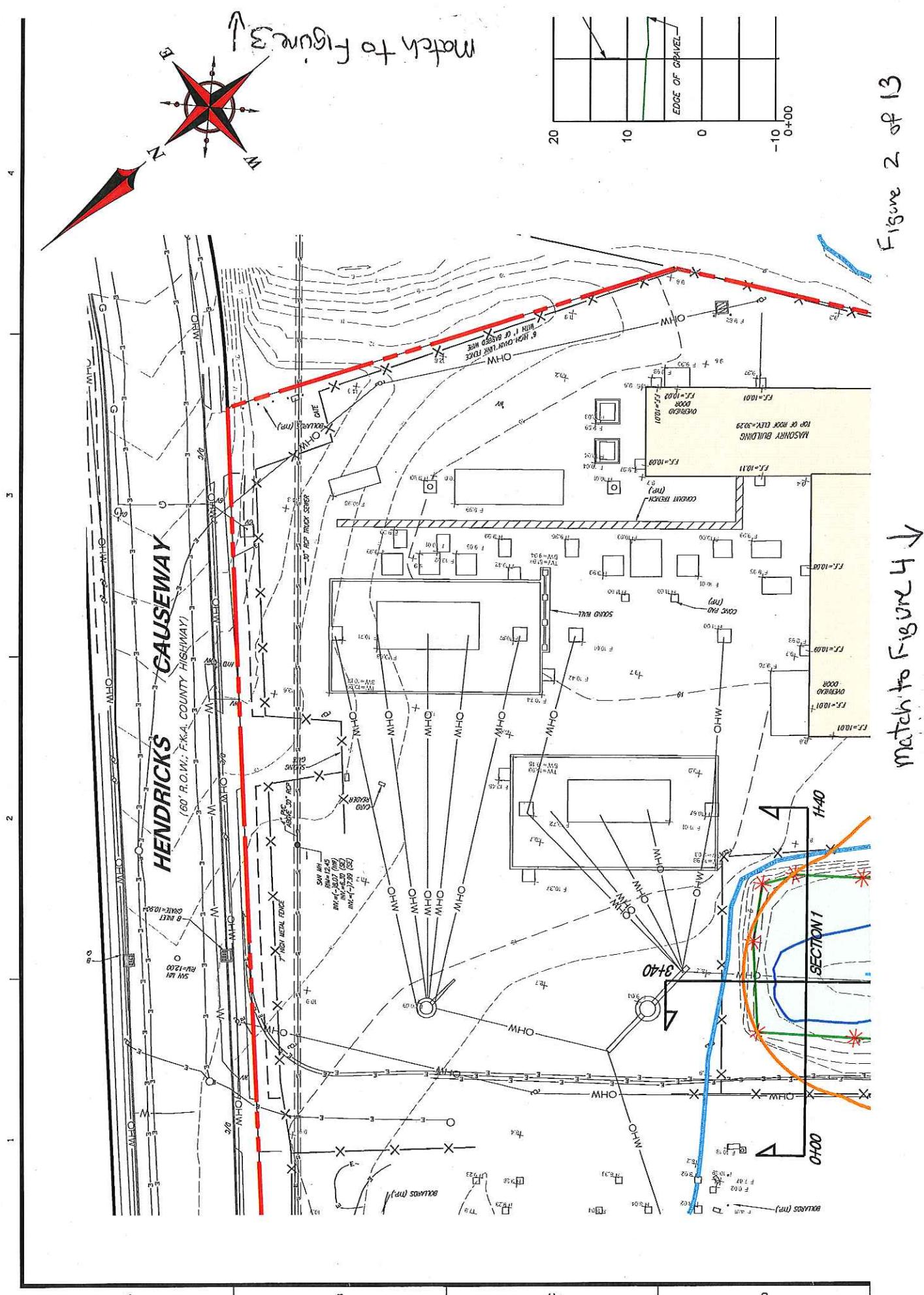


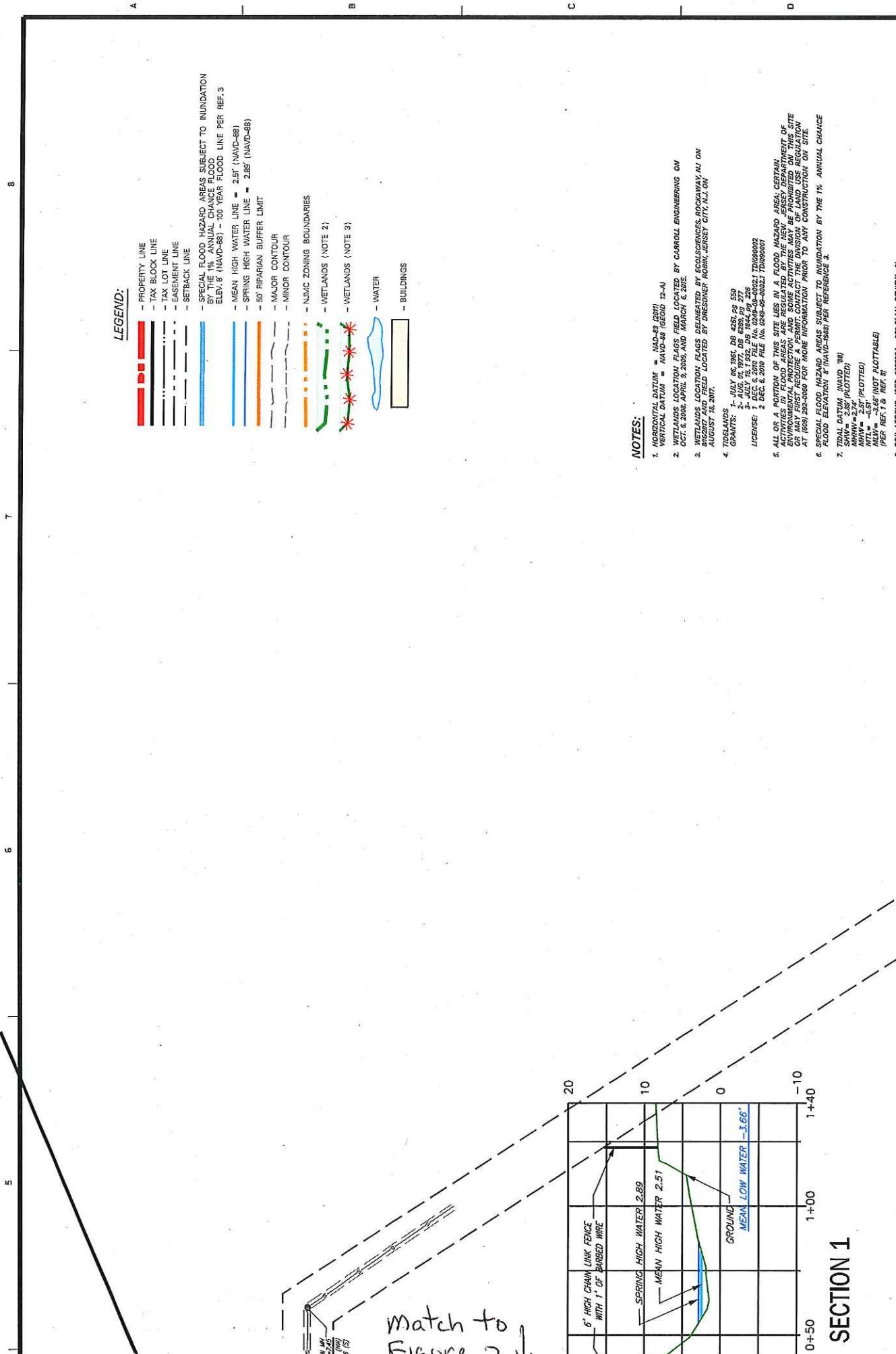
4000 Hadley Road  
South Plainfield  
New Jersey 07080

Bergen NERC CIP Phase 2 Wall  
and Transformer Installation  
Bergen Switching Station  
1000 Hendricks Causeway  
Ridgefield, New Jersey

USGS Topographic Map

Figure 1 of 13





Match to Figure 5

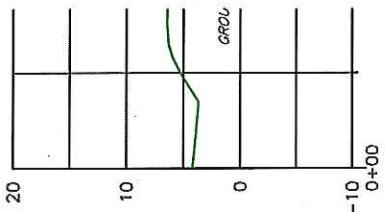
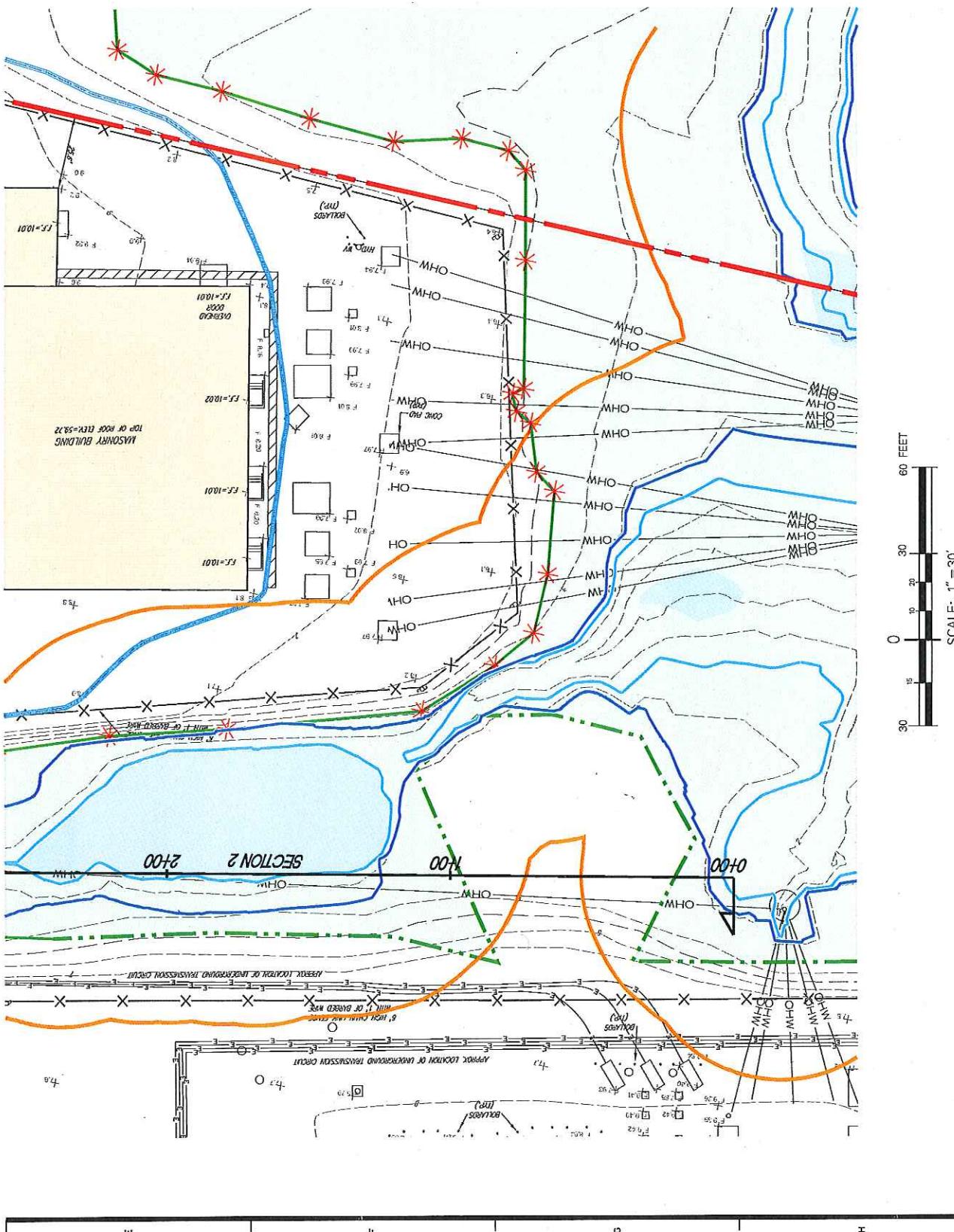


Figure 4 of 13

File: G:\Projects\Electric Site Plan\PRJ-17084 Bergen SWI Start Line Study\Plans\ACE\BergenSwitch-PHASE2-SHO4-Elevation.dwg





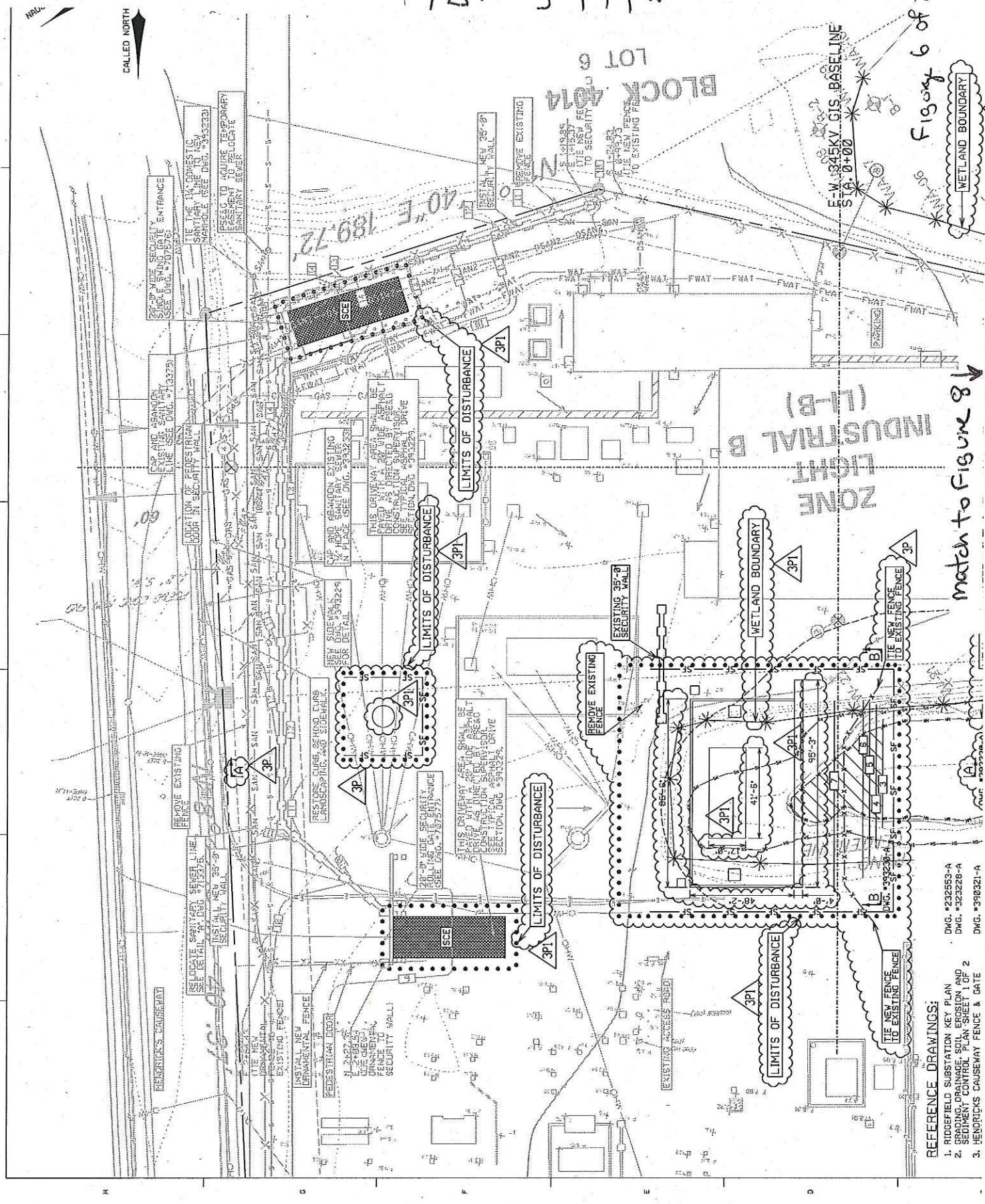


Fig 6 of 13

WETLAND BOUNDARY

match to figure 8

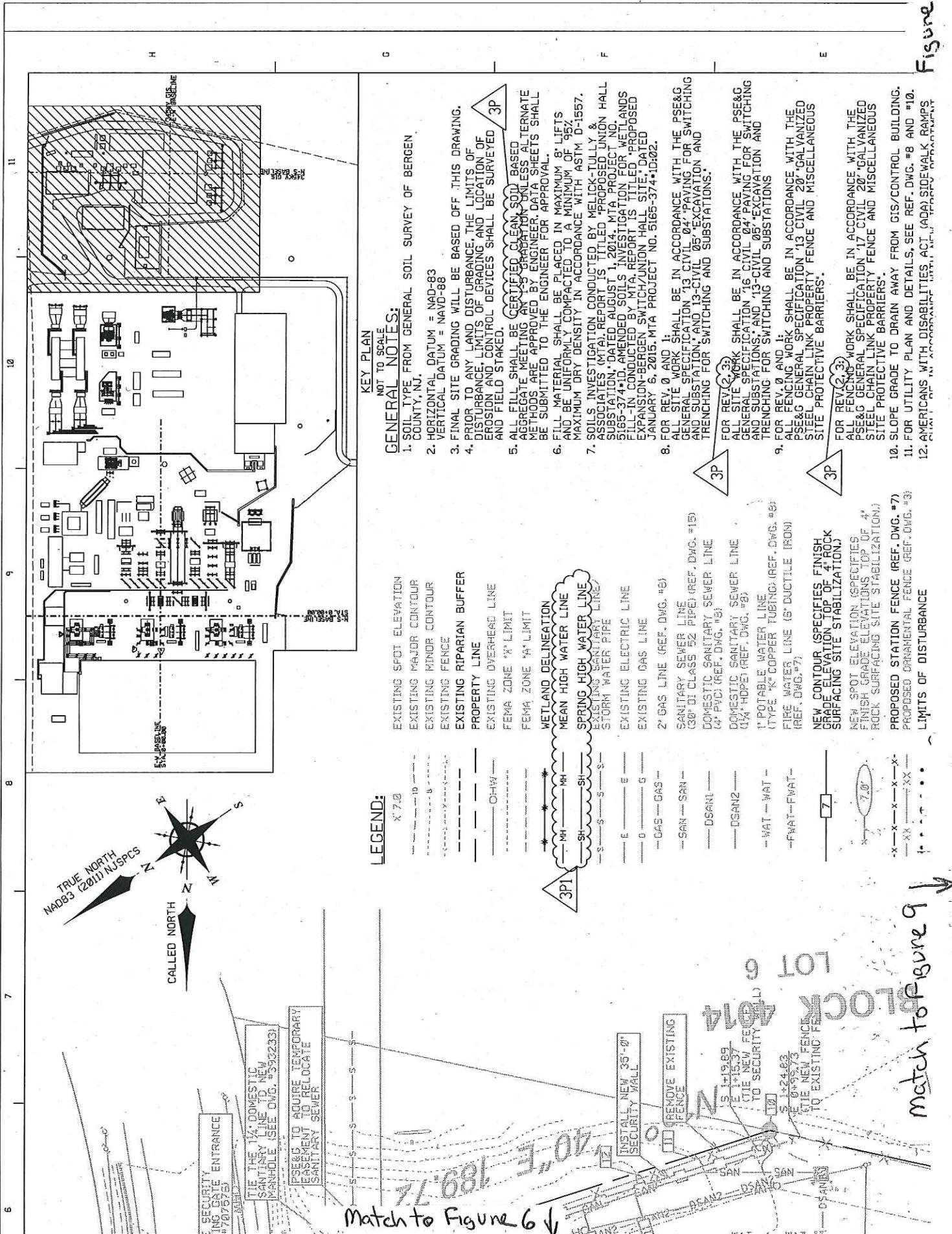


Figure 7 of 13

match to figure 6 ↑

BEEBENCE DRAWINGS.

1. RIDGEFIELD SUBSTATION KEY PLAN
  2. GRADING, DRAINAGE, SOIL EROSION AND SEDIMENT CONTROL PLAN SHEET 1 OF 2
  3. HENDRICKS CAUSEWAY FENCE & GATE DETAILS
  4. 345KV GIS BUS PLAN
  5. 345KV GIS CLEARING, GRADING, DRAINAGE, SOIL EROSION & SEDIMENT CONTROL NOTES AND DETAILS SHEET 1 OF 2
  6. 345KV GIS CLEARING, GRADING, DRAINAGE, SOIL EROSION & SEDIMENT CONTROL NOTES AND DETAILS SHEET 2 OF 2
  7. 345KV GIS FENCE & MISCELLANEOUS SITE PROTECTIVE BARRIERS
  8. 345KV GIS UTILITY PLAN & DETAILS SHEET 1 OF 2
  9. 345KV GIS AND CONTROL BUILDING FOUNDATION PLAN
  10. 345KV GIS UTILITY PLAN & DETAILS SHEET 2 OF 2
  11. 345KV GIS FOUNDATION AND PILING PLAN
  12. SECURITY WALL SECTIONS A-A THRU H-H
  13. SECURITY WALL AND SWING GATE DESIGN DETAILS
  14. SECURITY WALL ROLLING GATE DESIGN DETAILS
  15. SANITARY SEWER RELOCATE PLAN AND DETAILS

DWG. #232553-A  
DWG. #323228-A  
DWG. #390321-A  
DWG. #39180-A  
DWG. #393229-A  
  
Dwg. #393230-A  
DWG. #393231-A  
DWG. #393233-A  
DWG. #393234-A  
  
DWG. #393245-A  
DWG. #393246-A  
DWG. #701575-A  
DWG. #707576-A  
  
DWG. #707577-A  
DWG. #713375-A

**SURVEY REFERENCE POINTS**

SURVEY REFERENCE POINTS		STATE PLANE COORDINATES		STATE PLANE COORDINATES BASED ON NSPCS NAD-83 (2007)	
	STATION COORDINATES		NORTHING		NORTHING
(1)	N 0+00.0	EASTING:	626,597.516		
	W 1+43.0	NORTHING:	728,630.744		
(2)	N 0+70.0	EASTING:	626,788.255		
	E 0+00.0	NORTHING:	626,420.737		
(3)	S 0+92.0	EASTING:	626,696.570		
	E 0+00.0	NORTHING:	626,554.295		
(4)	N 0+00.0	EASTING:	728,979.478		
	E 2+80.0	NORTHING:	626,636.912		
NOTE:					

NOTE: STATE PLANE COORDINATES  
BASED ON NJSPCS NAD-83 (2007)

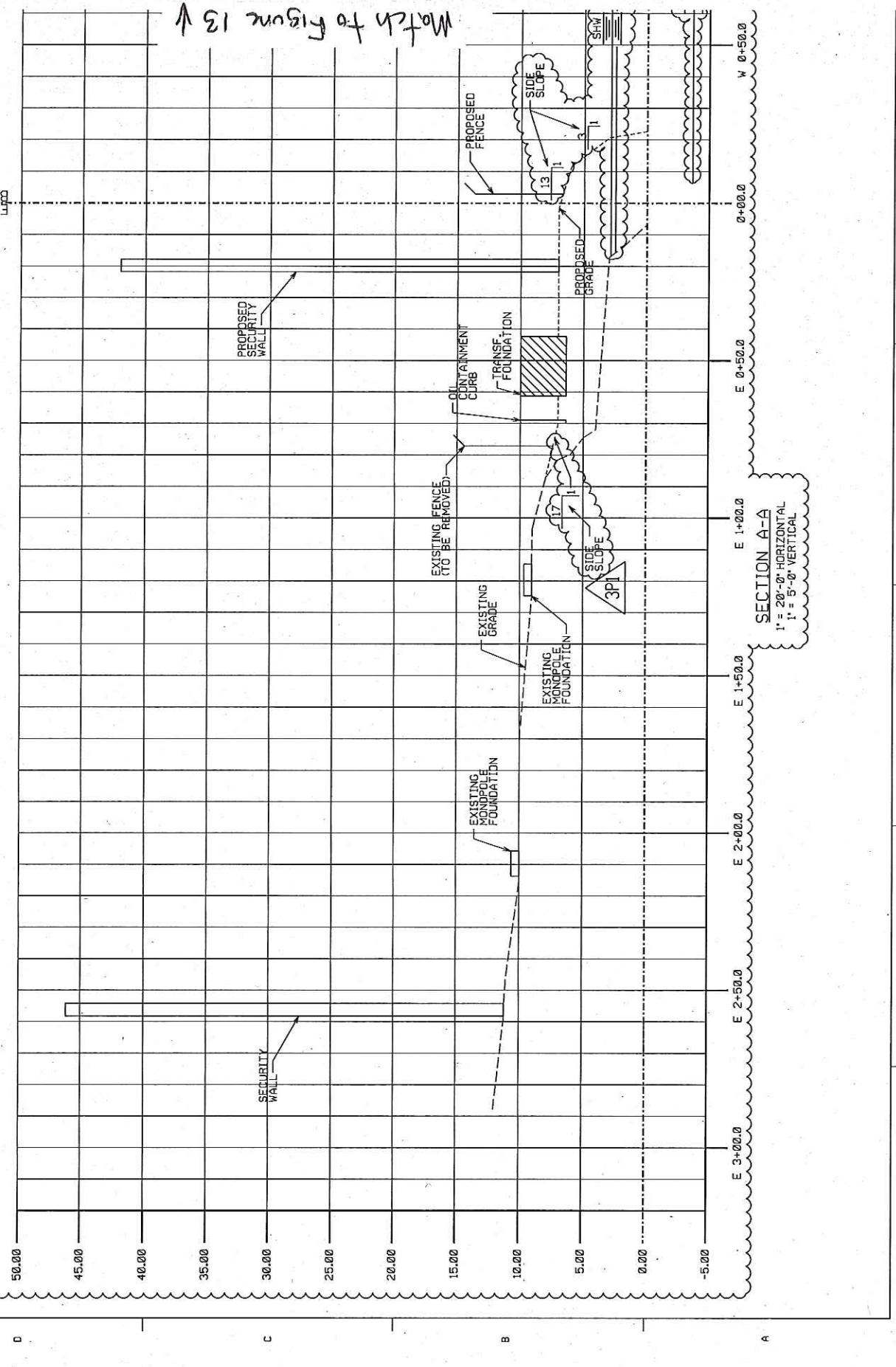
Figure 8 of 13



## Match to Figure 13 ↑

Match to Figure 11 ↗

1° = 20'-0" HORIZONTAL  
1" = 5'-0" VERTICAL

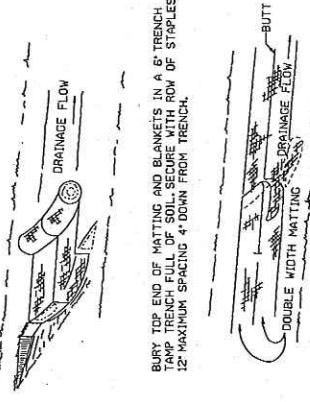


15

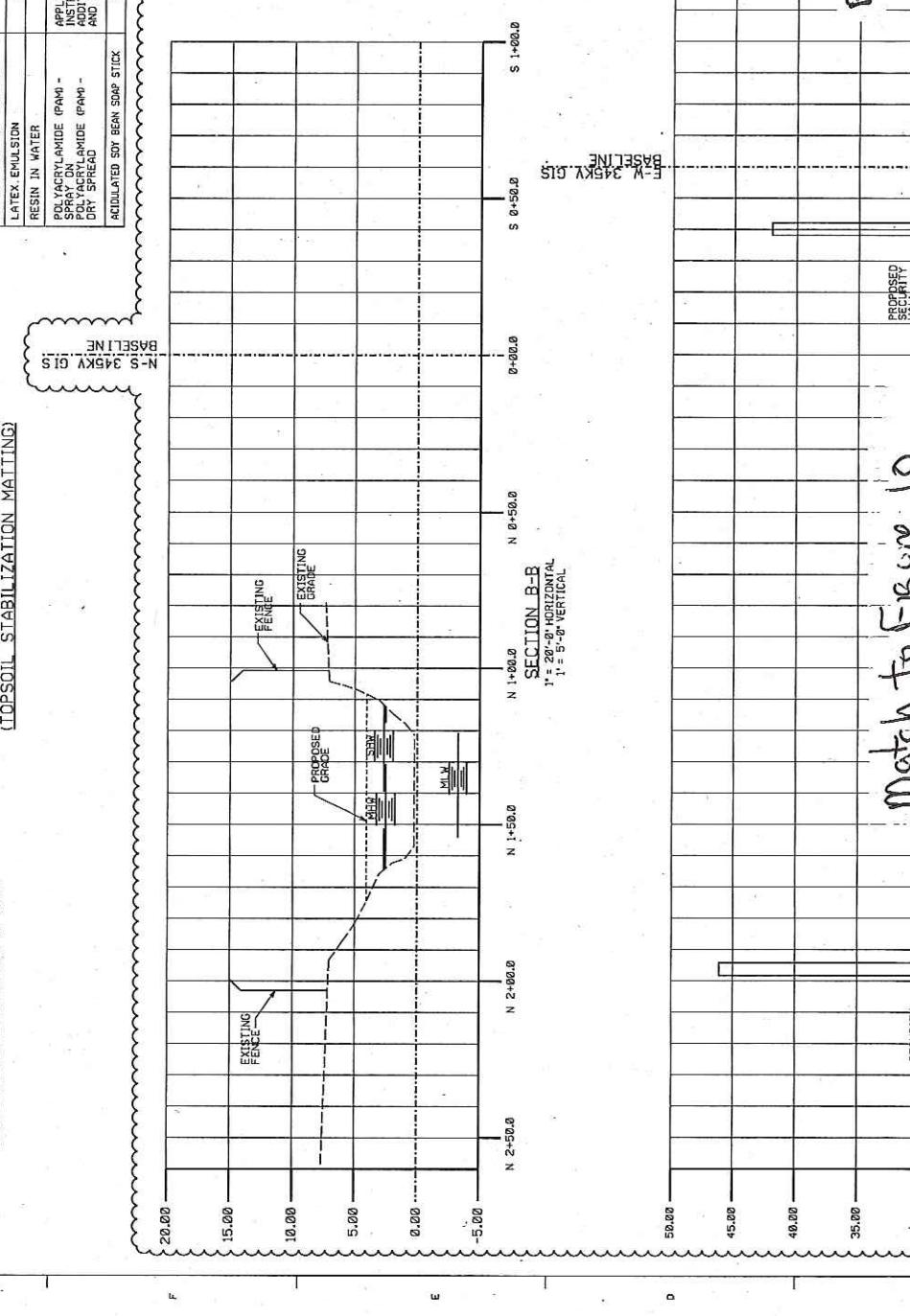
Figure 10 of 13

### SWALE OR DITCH

DOUBLE WIDTH MATTING AND BLANKETS IN SWALE, USE 3'-6" OVERLAP WHERE TWO OR MORE STRIPS ARE REQUIRED, AND STAPLE ON 2'-8" CENTERS



OVERLAP: BURY UPPER END OF LOWER STRIP AS PER ABOVE DETAIL. OVERLAP END OF TOP STRIP 6' AND STAPLE EITHER SIDE OF JOINT.



### WETLANDS GRADING NOTES:

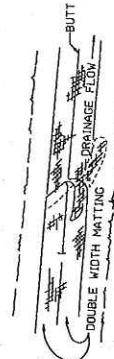
1. OVERLAYER OF ORGANIC SOIL IS EXPECTED TO BE AS MUCH AS 20 INCHES OVER A FEW MONTHS. POST-Settlement TOP ELEVATION OF FILTER FABRIC SHALL BE 7'-0".
  2. ORGANIC SOIL SHALL BE STRIPPED OF NATIVE VEGETATION BEFORE PLACEMENT OF GEOTEXTILE FABRIC.
  3. GEOTEXTILE FABRIC SHALL BE MIRAFI G600 OR ENGINEER APPROVED EQUIVALENT.
  4. RIP-RAP LAYER SHALL BE MINIMUM 3'-0" THICKNESS.

DUST-CONTROL METHODS

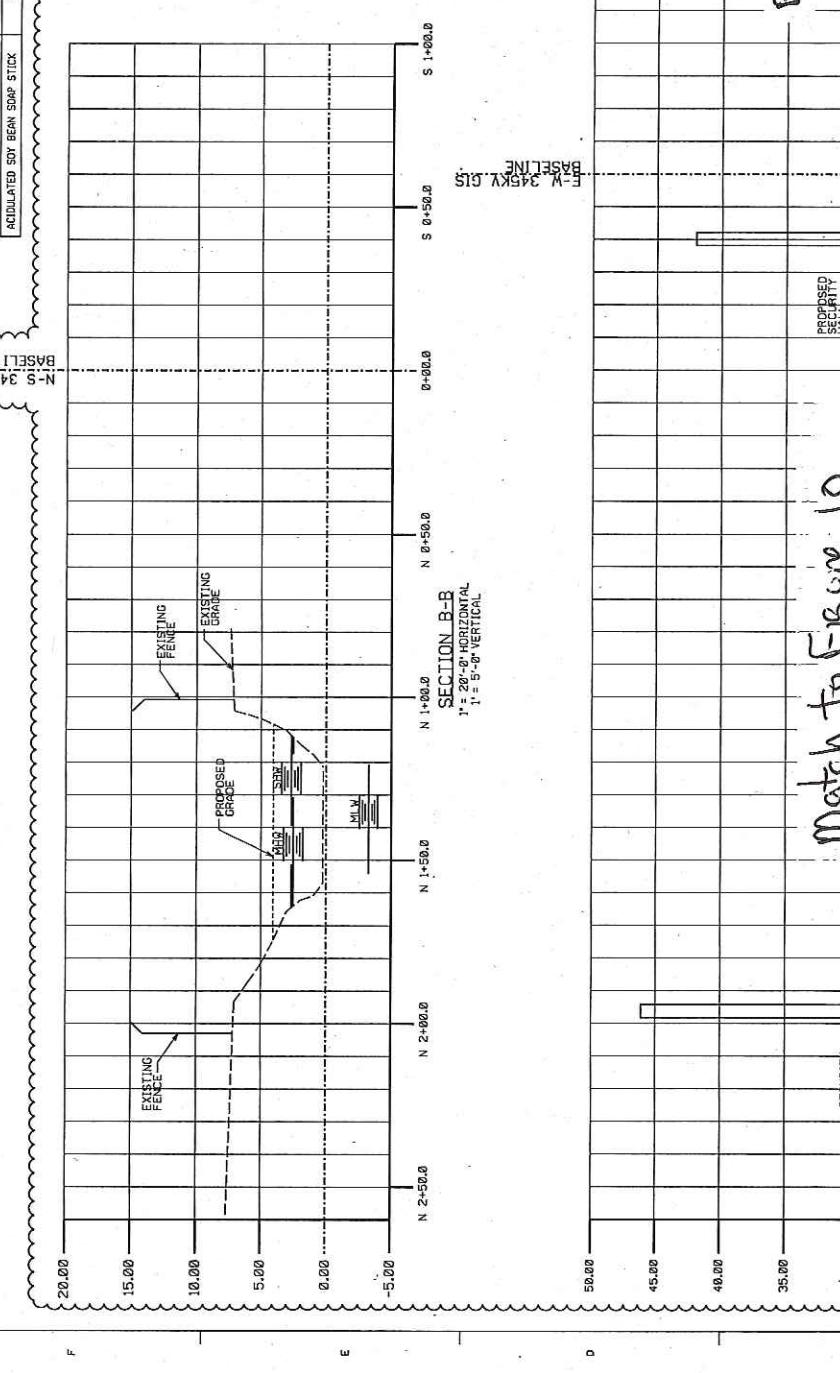
MULCHES - SEE SOIL EROSION AND SEDIMENT CONTROL NOTE 4, THIS Dwg.  
VEGETATION COVER - SEE VEGETATIVE STANDARDS THIS SHEET.  
SEPARATION ADHESIVES - SEE MINERAL SOILS NOT EFFECTIVE ON MUCK SOILS.  
KEEP TRAFFIC OFF THESE AREAS.



BURY TOP END OF MATTING AND BLANKETS IN A 6' TRENCH  
TAMP TRENCH FULL OF SOIL, SECURE WITH ROW OF STAPLES,  
12" MAXIMUM SPACING 4' DOWN FROM TRENCH.



OVERLAP: BURY UPPER END OF LOWER STRIP AS PER ABOVE DETAIL. OVERLAP END OF TOP STRIP 6' AND STAPLE EITHER SIDE OF JOINT.



WETLANDS GRADING NOTES: \_\_\_\_\_

- L.** ALL SOILS  
IN CONTROL  
PROPERLY  
CAN BE  
REMOVED  
TEMPORARILY  
BY STRAW  
A. IMMEDIATELY  
IN COMBINATION  
RATE OF  
STABILIZATION

**1.** OVER A FEW MONTHS, POST-Settlement TOP ELEVATION OF FABRIC  
SHOULD BE SET 7'-0" ABOVE GROUND LEVEL.

**2.** ORGANIC SOIL SHALL BE STRIPPED OF WETLAND VEGETATION BEFORE PLACEMENT  
OF GEOTEXTILE FABRIC.

**3.** GEOTEXTILE FABRIC SHALL BE MIRAFI 30X30 OR ENGINEER APPROVED EQUIVALENT.

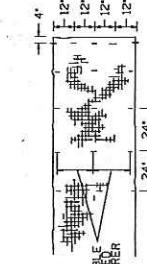
**4.** RIP RAP LAYER SHALL BE MINIMUM 3'-0" THICKNESS.

**DUST CONTROL METHODS**

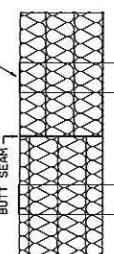
MULCHES - SEE SOIL EROSION AND SEDIMENT CONTROL NOTE 4, THIS DWG.  
VEGETATIVE COVER - SEE VEGETATIVE STANDARDS THIS SHEET.  
SPECIFIC BUNKERS - ON MINERAL SOILS INLOT EFFECTIVE ON MUCK SOILS,  
SPECIFIC TRAFFIC AREAS.

#### TILLAGE - TO ROUGHEN SURFACE AND TEMPORARY EMERGENCY MEASURE WHICH

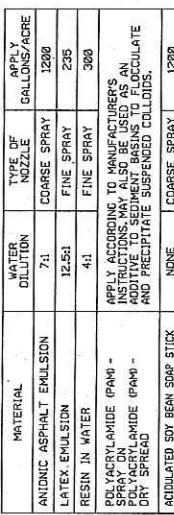
**Calcium Chloride** - Should be in the form of loose granules or flakes, fine enough to feed through common wire mesh spreadsers at the rate of one pound per acre. It will not cause moisture damage if used on steeper slopes, as it accumulates on the surface and does not penetrate into the soil.



— Stop E  
SHEET, MATTING AND BLANKETS WITH STAPLES SPACED 24" APART ALONG THE SIDES AND 20" IN THE CENTER AT THE ENDS OF THE MATTINGS AND AT 50' FOOT INTERVALS STAPLES SHALL BE PLACED 12" APART ACROSS THE WIDTH.



EXCELSIOR BUTT SEAM  
INJECTION CONTROL MULCH BLA



- A technical drawing showing a grid of pads and a central dashed line. Labels include 'S 1-60.0', 'S 0-50.0', 'E-M 345K G15', 'BASELINE', and '3E'.

Match to Figure 10

Figure 11 of 13

WARM SEI  
OP

6

9

10

11

ECTED TO BE AS MUCH AS 20 INCHES AT TOP ELEVATION OF FILTER FABRIC

WETLAND VEGETATION BEFORE PLACEMENT 600X OR ENGINEER APPROVED EQUIVALENT.

NT CONTROL NOTE 4, THIS DWG. VWARDS THIS SHEET.  
NOT EFFECTIVE ON MUCK SOILS.

G CLODS TO THE SURFACE. THIS IS A  
OULD BE USED BEFORE SOIL BLOWING OF SITE, CHISEL-TYPE PLOW SPACED HE SURFACE IS WET.

NCES, BURLAP FENCES, CRATE WALLS, I BE USED TO CONTROL AIR CURRENTS RM OF LOOSE, DRY GRANULES OR MONLY USED SPREADERS AT THE T NOT CAUSE POLLUTION OR PLANT N USE OTHER PRACTICES TO PREVENT AROUND PLANTS.

ONE OR GRAVEL.

## BERGEN COUNTY SOIL CONSERVATION DISTRICT

## SOIL EROSION AND SEDIMENT CONTROL NOTES

- ALL SOIL EROSION AND SEDIMENT CONTROL PRACTICES WILL BE INSTALLED IN ACCORDANCE WITH THE STANDARDS FOR SOIL EROSION AND SEDIMENT CONTROL IN NEW JERSEY (NJ STANDARDS), AND WILL BE INSTALLED IN ESTABLISHED SEQUENCE AND MAINTAINED UNTIL STABILIZATION IS ESTABLISHED.
- ANY DISTURBED AREA THAT WILL BE LEFT EXPOSED FOR MORE THAN THIRTY (30) DAYS AND NOT SUBJECT TO CONSTRUCTION TRAFFIC SHALL IMMEDIATELY RECEIVE A TEMPORARY SEEDING OR MULCHING. IF THE SEASON PROHIBITS TEMPORARY SEEDING, THE DISURBED AREA WILL BE MULCHED WITH UNROTDED STRAW AT A RATE OF 2 TONS PER ACRE, ANCHORED BY APPROVED METHODS (I.E. PEW AND TWINE, MULCH NETTING, OR LIQUID MULCH BINDER).
- IMMEDIATELY FOLLOWING INITIAL DISTURBANCE OR ROUGH GRAZING, ALL CRITICAL AREAS SUBJECT TO EROSION WILL RECEIVE A TEMPORARY SEEDING IN COMBINATION WITH STRAW MULCH OR A SUITABLE EQUIVALENT, AT A RATE OF 2 TONS PER ACRE, ACCORDING TO THE NJ STANDARDS.

## 4. STABILIZATION SPECIFICATIONS:

- A - TEMPORARY SEEDING AND MULCHING:  
-LIME - APPLIED UNIFORMLY ACCORDING TO SOIL TEST RECOMMENDATIONS.  
-FERTILIZER - 11 LBS./1,000 SF 10-20-10 OR EQUIVALENT, WITH 50% WATER INSOLUBLE NITROGEN UNLESS A SOIL TEST INDICATES OTHERWISE WORKED INTO THE SOIL A MINIMUM OF 4".  
-SEED - PREDENIAL RYEGRASS 100 LBS./ACRE (2.3 LB./1,000 SF) OR OTHER APPROVED SEEDS, PLANT BETWEEN MARCH 15 AND OCTOBER 1.
- B - PERMANENT SEEDING AND MULCHING:  
-LIME - APPLIED UNIFORMLY ACCORDING TO SOIL TEST RECOMMENDATIONS.  
-FERTILIZER - 11 LBS./1,000 SF 10-10-10 WITH 50% WATER INSOLUBLE NITROGEN UNLESS A SOIL TEST INDICATES OTHERWISE WORKED INTO THE SOIL A MINIMUM OF 4".  
-SEED - TURF TYPE TALL FESCUE (BLEND OF 3 CULTIVARS) 350 LBS./ACRE (8 LBS./1,000 SF) OR OTHER APPROVED SEEDS; PLANT BETWEEN MARCH 1 AND OCTOBER 1 (SUMMER SEEDINGS REQUIRE IRRIGATION).
- C - MULCH - UNROTDED STRAW OR HAY AT A RATE OF 70 TO 90 LBS./1,000 SF APPLIED TO ACHIEVE 95% SOIL SURFACE COVERAGE, MULCH SHALL BE ANCHORED BY APPROVED METHODS (I.E. PEW AND TWINE, MULCH NETTING, OR LIQUID MULCH BINDER).
- D - TOPSOIL - UNIFORM APPLICATION TO A DEPTH OF 5 INCHES.  
-LIME - APPLIED UNIFORMLY ACCORDING TO SOIL TEST RECOMMENDATIONS.  
-FERTILIZER - 11 LBS./1,000 SF 10-10-10 WITH 50% WATER INSOLUBLE NITROGEN UNLESS A SOIL TEST INDICATES OTHERWISE WORKED INTO THE SOIL A MINIMUM OF 4".  
-SEED - TOP TYPE TALL FESCUE (BLEND OF 3 CULTIVARS) 350 LBS./ACRE (8 LBS./1,000 SF) OR OTHER APPROVED SEEDS; PLANT BETWEEN MARCH 1 AND OCTOBER 1 (SUMMER SEEDINGS REQUIRE IRRIGATION).
- E - MULCH - UNROTDED STRAW OR HAY AT A RATE OF 70 TO 90 LBS./1,000 SF APPLIED TO ACHIEVE 95% SOIL SURFACE COVERAGE, MULCH SHALL BE ANCHORED BY APPROVED METHODS (I.E. PEW AND TWINE, MULCH NETTING, OR LIQUID MULCH BINDER).

- THE SITE SHALL AT ALL TIMES BE GRADED AND MAINTAINED SUCH THAT ALL STORMWATER RUNOFF IS DIVERTED TO SOIL EROSION AND SEDIMENT CONTROL FACILITIES.
- SOIL EROSION AND SEDIMENT CONTROL MEASURES WILL BE INSPECTED AND MAINTAINED ON A REGULAR BASIS, INCLUDING AFTER EVERY STORM EVENT.
- ROADWAYS ARE NOT TO BE LOCATED WITHIN 50' OF A FLOODPLAIN SLOPE, ROADWAY OR DRAINAGE FACILITY. THE BASE OF ALL STOCKPILES SHALL BE CONTAINED BY A HAYBALE BARRIER OR SILT FENCE.
- A CRUSHED STONE, VEHICLE WHEEL-CLEANING BLANKET WILL BE INSTALLED WHEREVER A CONSTRUCTION ACCESS ROAD INTERSECTS ANY PAVED ROADWAY. SAID BLANKET WILL BE COMPOSED OF 1"- 2" CRUSHED STONE, NO. 3 PER 100 FT. 901-03-1 CRUSHED STONE 6" THICK, WILL BE AT LEAST 30' X 100', AND SHOULD BE UNDERLAIN WITH A SUITE SYNTHETIC SEDIMENT FILTER FABRIC AND MAINTAINED.
- MAXIMUM SIDE SLOPES OF ALL EXPOSED SURFACES SHALL NOT EXCEED 3:1 UNLESS OTHERWISE APPROVED BY THE DISTRICT.
- DRIVEWAYS MUST BE STABILIZED WITH 1"- 2" CRUSHED STONE OR SUBBASE PRIOR TO INDIVIDUAL LOT CONSTRUCTION.
- ALL SOIL WASHERS, DROPPED, SPILLED OR TRACKED OUTSIDE THE LIMIT OF DISTURBANCE OR ONTO PUBLIC RIGHT-OF-WAYS, WILL BE REMOVED IMMEDIATELY. PAVED ROADWAYS MUST BE KEPT CLEAN AT ALL TIMES.
- CATCH BASIN INLETS WILL BE PROTECTED WITH AN INLET FILTER DESIGNED IN ACCORDANCE WITH SECTION 28-1 OF THE NJ STANDARDS.
- STORM DRAINAGE OUTLETS WILL BE STABILIZED AS REQUIRED, BEFORE THE DISCHARGE POINTS BECOME OPERATIONAL.
- DEWATERING OPERATIONS MUST DISCHARGE DIRECTLY INTO A SEDIMENT CONTROL BAG OR OTHER APPROVED FILTER IN ACCORDANCE WITH SECTION 14-1 OF THE NJ STANDARDS.
- DUST SHALL BE CONTROLLED VIA THE APPLICATION OF WATER, CALCIUM CHLORIDE OR OTHER APPROVED METHOD IN ACCORDANCE WITH SECTION 16-1 OF THE NJ STANDARDS.
- TREES TO REMAIN AFTER CONSTRUCTION ARE TO BE PROTECTED WITH A SUITABLE FENCE INSTALLED AT THE Drip LINE OR BEYOND IN ACCORDANCE WITH SECTION 9-1 OF THE NJ STANDARDS.
- THE PROJECT OWNER SHALL BE RESPONSIBLE FOR ANY EROSION OR SEDIMENTATION THAT MAY OCCUR BELOW STORMWATER OUTFALLS OR OFF-SITE AS A RESULT OF CONSTRUCTION OF THE PROJECT.
- ANY REVISION TO THE CERTIFIED SOIL EROSION AND SEDIMENT CONTROL PLAN MUST BE SUBMITTED TO THE DISTRICT FOR REVIEW AND APPROVAL PRIOR TO IMPLEMENTATION IN THE FIELD.
- A COPY OF THE CERTIFIED SOIL EROSION AND SEDIMENT CONTROL PLAN MUST BE AVAILABLE AT THE PROJECT SITE THROUGHOUT CONSTRUCTION.
- THE BERGEN COUNTY SOIL CONSERVATION DISTRICT MUST BE NOTIFIED, IN WRITING, AT LEAST 48 HOURS PRIOR TO ANY LAND DISTURBANCE; BERGEN COUNTY SCDO, 700 KINERKACK ROAD, SUITE 106, ORADELL, NJ 07649, TEL: 201-261-4407; FAX 201-261-7573.

## TOPSOIL SPECIFICATIONS

- ACCEPTABLE TOPSOIL SHALL BE RESERVED AND SUBSEQUENTLY APPLIED TO ALL DISTURBED AREAS.
- ACCEPTABLE TOPSOIL SHALL CONTAIN LESS THAN 5% BY VOLUME OF OTHER MATERIALS, SLAG, COARSE FRAGMENTS, GRAVEL, STICKS, ROOTS, TRASH OR PLANTS AND PLANT PARTS.
- TEMPORARY TOPSOIL STOCKPILE SHALL BE LOCATED ON SITE AND WITHIN THE LIMITS OF DISTURBANCE. A LINE OF SILT FENCE SHALL BE PLACED ALONG THE DOWNSTREAM SIDE OF THE STOCKPILE.
- AFTER GRAZING AND COMPACTION OF SUBGRADE SURFACES TO THE SPECIFIED ELEVATIONS AND LIMITS, TOPSOIL AND SOIL AMENDMENTS SHALL BE APPLIED.
- FOR AREAS, TOPSOIL SHALL BE UNIFORMLY DISTRIBUTED IN A 4" TO 8" LAYER AND LIGHTLY COMPACTED TO A MINIMUM THICKNESS OF 6".
- TOPSOIL SHALL NOT BE PLACED WHILE THE TOPSOIL OR SUBGRADE IS FROZEN OR MUDDY.

## SILT FENCE NOTES:

- FENCE POSTS SHALL BE SPACED AT 8'-0" CENTER TO CENTER OR CLOSER, AT LEAST 2'-0" ABOVE GROUND. SEE DETAIL REF DWG #3.
- A GEOTEXTILE FABRIC, RECOMMENDED FOR SUCH USE, BY THE MANUFACTURER, SHALL BE BUILT AT LEAST 2'-0" DEEP IN THE GROUND. THE FABRIC SHALL BE EXTENDED AT LEAST 2'-0" ABOVE THE GROUND. THE FABRIC MUST BE SECURELY FASTENED TO THE POSTS USING A SYSTEM CONSISTING OF METAL NYLON WEBBING, GROMMETS, WASHERS, ETC., PLACED BETWEEN THE FASTENER AND THE GEOTEXTILE FABRIC. THE FASTENING SYSTEM SHALL RESIST TEARING AWAY FROM THE POST. THE FABRIC SHALL INCORPORATE A DRAWSTRING IN THE TOP PORTION OF THE FENCE FOR ADDED STRENGTH.

## CLEARING NOTES:

- VEGETATED AREAS SHALL BE CLEARED AND CUT A MINIMUM OF 6' BELOW GRADE. SOILS SHALL BE DISPOSED OF IN ACCORDANCE WITH STATE AND LOCAL REGULATIONS.
- AREAS CLEARED MORE THAN 6' BELOW PROPOSED GRADES SHALL BE FILLED WITH SOIL BASED AGGREGATE MEETING AN I-5 GRADATION.
- AREAS EXPOSED LONGER THAN 30 DAYS SHALL BE SEeded IN ACCORDANCE WITH THE SOIL EROSION AND SEDIMENT CONTROL NOTES ON THIS DRAWING.

## GRADING SPECIFICATIONS:

- ALL GRAZING ACTIVITIES AND SUBSEQUENT SOIL STABILIZATION METHODS SHALL PROGRESS IN THE MANNER SPECIFIED IN THE CONSTRUCTION SEQUENCE.
- PRIOR TO PLACING FILL ON PREPARED GRADE, THE GROUND SURFACE SHALL BE COMPACTED SO THAT THE MAXIMUM DENSITY IS AS DETERMINED IN THE LABORATORY BY THE STANDARD PROCTOR TEST (ASHTO T-99, ASTM D-698, IN-PLACE (FIELD) DENSITY SHALL BE DETERMINED IN ACCORDANCE WITH THE ASTM TEST METHOD D-1556-82E, D-2922-91 OR ASHTO T-191-86).
- NO FILL SHALL BE PLACED ON FROZEN GROUND.
- ALL FILLS SHALL BE PLACED IN APPROXIMATELY HORIZONTAL LAYERS, EACH LAYER HAVING A LOOSE THICKNESS OF NOT MORE THAN EIGHT (8) INCHES. EACH OF THESE LAYERS SHALL BE COMPACTED AT OPTIMUM MOISTURE CONTENT (PLUS OR MINUS PERCENT OF MAXIMUM DENSITY AS DETERMINED IN THE LABORATORY) BY THE STANDARD PROCTOR TEST (ASHTO T-99, ASTM D-698, IN-PLACE (FIELD) DENSITY SHALL BE DETERMINED IN ACCORDANCE WITH THE ASTM TEST METHOD D-1556-82E, D-2922-91 OR ASHTO T-191-86).
- THE TOP EIGHT (8) INCHES OF SOIL IN CUT AREAS SHALL BE COMPACTED TO AT LEAST NINETY (90%) PERCENT OF MAXIMUM DENSITY AS DETERMINED IN THE LABORATORY BY THE STANDARD PROCTOR TEST (ASHTO T-99, ASTM D-698, IN-PLACE (FIELD) DENSITY SHALL BE DETERMINED IN ACCORDANCE WITH THE ASTM TEST METHOD D-1556-82E, D-2922-91 OR ASHTO T-191-86).
- FOR WETLAND FILL-IN AREAS AND ALL OTHER AREAS REquiring SUBGRADE STEPS IN SLOPE THAN TWO (2) HORIZONTAL TO ONE (1) VERTICAL.
- ALL SITE WORK SHALL BE IN ACCORDANCE WITH THE PSE&G GENERAL SPECIFICATION 16-CIVIL 05 "EXCAVATION AND TRENCHING FOR SWITCHING AND SUBSIDIARIES."
- FOR WETLAND FILL-IN AREAS AND ALL OTHER AREAS REquiring SUBGRADE STEPS IN SLOPE THAN TWO (2) HORIZONTAL TO ONE (1) VERTICAL.
- STABILIZATION DUE TO SOFT SOIL, RIP-RAP SHALL BE PLACED TO A DEPTH SATISFACTORY TO ACHIEVE A STABLE TERRAIN IN WHICH TO BUILD SUBSEQUENT FILL LAYERS. PLACEMENT OF RIP-RAP SHALL BE TO THE SATISFACTION OF THE PSE&G CONSTRUCTION MANAGER.

DEVELOPMENT SCHEDULE:  
GRADING - FILL-IN

- INSTALL SOIL EROSION AND SEDIMENT CONTROL DEVICES FOR FILL-IN AREA (SEE REF. DWG. #3). (3 DAYS)



Match to Figure 13  
Match to Figure 11

Figure 12 of 13

