

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 replying refer to:
Public Notice Number: NAN-2015-01040-WCA
Issue Date: **February 16, 2016**
Expiration Date: **March 16, 2016**

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 Co.
100 Eagle Rock Avenue, Suite 125
East Hanover, New Jersey 07936

ACTIVITY: Discharge fill into, and construct over and beneath, waters of the United States to facilitate the conversion of two (2) existing 138kV overhead transmission lines to 345kV electrical transmission lines that would be known as the "Linden-Bayway and Sewaren-Linden-Bayway Overhead Transmission Lines"; and the installation of two (2) new 345kV underground Electrical transmission lines, and expansion of the existing North Avenue Substation, which would be known as the "Bayway-Bayonne Underground Transmission Line". The two existing overhead transmission line conversion activities and the installation of the two new underground electrical transmissions and substation expansion activities would be part of the overall project known as the "Bergen-Linden Corridor Project".

WATERWAY: Morses Creek and unnamed tributaries, Elizabeth River and unnamed tributaries (Arthur Kill Watershed), and Newark Bay and associated unnamed tributaries.

LOCATION: City of Elizabeth and Linden, Union County, and City of Bayonne, Hudson 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

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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 provided will become a part of the public record for this action.

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 construction of the proposed regulated activity. Further consultation with NOAA/FS regarding EFH impacts and conservation recommendations are 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

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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.

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 James 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>.


Stephan A. Ryba
Chief, Regulatory Branch

Enclosures

WORK DESCRIPTION

The applicant, the Public Service Electric and Gas Company (PSE&G), has requested Department of the Army authorization to discharge fill into, and construct over and beneath waters of the United States to facilitate: the conversion of two (2) existing 1.6-mile double circuit 138kV overhead transmission lines to two (2) double circuit 345kV electrical transmission lines, that would be known as the "Linden-Bayway and Sewaren-Linden-Bayway Overhead Transmission Line", and the install two (2) new 345kV underground electrical transmission lines that would be known as the "Bayway-Bayonne Underground Transmission Line". Additional activities would include the upgrade and expansion of an existing electrical substation. The conversion of the two (2) existing overhead transmission lines; the installation of the two (2) new underground electrical transmission lines, and the upgrade of the substation would be part of the overall PSE&G project known as the "Bergen-Linden Corridor Project". The proposed project would be located within the Cities of Elizabeth and Linden, Union County, and the City of Bayonne, Hudson County, New Jersey.

Linden-Bayway and Sewaren-Linden-Bayway Overhead Transmission Line: The two (2) existing 1.6-mile double circuit 138kV overhead transmission line alignments currently extend along existing PSE&G transmission line Rights-of-Way (ROW) that traverse over Moses Creek (a tributary of the Arthur Kill, a navigable waterway) at three locations, and an unnamed tributary of Moses Creek at two locations, from the Linden Switching Station in the City of Linden, Union County, north to the Bayway Switching Station in the City of Elizabeth, Union County, New Jersey. The regulated activities associated with the proposed upgrade and conversion of these two (2) existing double circuit 138kV overhead transmission lines would include the following:

The replacement of three (3) existing lattice towers (situated within waters of the United States) with five (5) new monopoles. The existing lattice towers requiring replacement would be cut from their existing concrete cap foundations and disposed of at a State approved upland site. The concrete cap foundations would remain in place unless they interfere with the new monopile foundations. The replacement monopole tower types would include tangent towers and dead-end towers, and the foundations used for each of these tower types would consist of drilled shaft foundations and would have a 14-foot diameter footprint. Sediments generated as part of the tower foundation installation activities (approximately 2,000 cubic yards) would be disposed of at a State approved upland site. The new overhead transmission line cables would extend over Moses Creek and unnamed tributaries of Moses Creek at five locations. The minimum cable sag height of the overhead cables at these five locations would be 46.58 feet, 105.02 feet, 59.06 feet, 59.22 feet, and 64.26 feet above the plane of Mean High Water (elevation 3.5 feet North American Vertical Datum of 1988, (NAVD, 1988)). A total of approximately 2,000 cubic yards of concrete would be permanently discharged into approximately 0.02 acres of waters of the United States to facilitate the replacement of the three (3) lattice towers and the construction of the five (5) new monopole towers.

Construction vehicles would access the PSE&G ROWs via paved public and private roads, and unpaved maintenance roads that cross or parallel the ROWs. In areas where access to each ROW is limited, temporary construction mats would be used to cross wetlands to provide construction vehicles access to the tower locations. All construction mats would be removed from the wetlands upon completion of the project. Additional regulated activities would include the installation of a temporary bridge and the widening of an existing bridge over a tributary to Moses Creek to accommodate construction vehicles and equipment. Construction matting would be used to widen the bridge crossing. The temporary bridge and the widening material associated with the existing bridge would be removed from the waterway upon completion of the project. The applicant expects the temporary construction mats and temporary bridge to remain in place during construction for more than six months. A total of approximately 2.645 acres of waters of the

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United States would be temporarily disturbed during the proposed overhead project construction activities.

Bayway-Bayonne Underground Transmission Line: Install two (2) new 345kV underground electrical transmission lines that would extend a total of approximately 15 miles from the Bayway Switching Station to the Bayonne Switching Station. The first proposed underground transmission line and ROW would extend north from the Bayway Switching Station to the Newark Airport Substation in Elizabeth. From the Newark Airport Substation, the transmission line would extend east to the North Avenue substation, and then beneath Newark Bay, and the Newark Bay (South Reach) Federal Navigation Channel to the Bayonne Switching Station located in the City of Bayonne. The second proposed underground transmission line ROW would extend north from the Bayway Switching Station to the North Avenue Substation, and then parallel the first underground transmission line alignment all the way to its terminus at the Bayonne Switching Station. Regulated activities associated with the two (2) electrical underground transmission lines would include the following:

The first underground transmission installation activities would include attaching approximately 74 linear feet of four (4) 8-inch diameter, two (2) 2-inch diameter, and one (1) 4-inch diameter electrical transmission line to the existing Summer Street Bridge that extends over the Elizabeth River in the City of Elizabeth, Union County, New Jersey. The majority of the ROW would extend through upland streets until it reaches the east end of North Avenue. The second proposed underground transmission line would include the construction of a 195-foot long aerial crossing (supported by two upland towers) over the New Jersey Turnpike bridge that extends over the Elizabeth River before transitioning to an underground electrical transmission line along 2nd Street in the City of Elizabeth. The minimum cable sag height of the aerial cable over the New Jersey Turnpike would be approximately 45 feet, and the minimum cable sag height of the aerial cables over the Elizabeth River would be approximately 84.68 feet above the plane of Mean High Water of elevation 3.5- feet (NAVD, 1988) The majority of this ROW would also extend through upland streets until it reaches the east end of North Avenue. Approximately 0.21 acres of palustrine emergent wetlands would be temporarily disturbed.

From the east end of North Avenue, the two (2) proposed transmission lines would be installed by open trenching within a 6 to 7-foot wide open cut trench approximately 5 to 6-foot deep. The open trench would extend approximately 1,200 linear feet beneath tidal and palustrine wetlands that abut Newark Bay to a horizontal directional drilling (HDD) launch area situated on the west side of Newark Bay. A 50 foot wide area would be cleared within the ROW to facilitate the trenching activities. In addition, a 16-foot wide permanent gravel access road would be constructed along the underground transmission lines. This gravel access road would be widened to 80 feet at the HDD launch area. Both underground transmission lines would be encased in concrete and covered with thermal backfill. Approximately 2,000 cubic yards of clean fill, consisting of concrete and thermal backfill, would be used to fill the trench through the wetlands to preconstruction elevations.

To facilitate the installation of the underground electrical transmission lines beneath Newark Bay, the applicant proposes to install, by HDD, two (2) approximately 6,000 linear foot long submarine electrical transmission lines (within parallel 36-inch diameter steel casings) beneath Newark Bay and the Newark Bay (South Reach) Federal Navigation Channel. The HDD launch and support area on the east side of Newark Bay would be located in uplands. The launch and support area on the west side of Newark Bay would be located within abutting palustrine scrub/shrub and emergent wetlands. The top of the transmission lines would be installed at a minimum depth of 67 feet below the existing approximately -50 foot depth of the Newark Bay (South Reach) Federal Navigation Channel (approximately -120 feet NAVD, 1988).

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As part of the open trenching and HDD installation activities, approximately 0.431 acres of palustrine emergent, and palustrine scrub/shrub wetlands would be permanently disturbed to facilitate the construction of the gravel access road and installation of two associated manholes. An additional 1.919 acres of wetlands would be temporarily disturbed. All sediments excavated during the open trench activities (except for the top 12 inches of the trench to be restored) would be removed from the site and disposed of at a State approved upland site.

Prior to entering the Bayonne Switching Station (project terminus), two (2) 600 linear foot long parallel underground transmission lines would be installed beneath an unnamed tidal ditch (tributary to Newark Bay) by tunneling. The launch pit and support area would be located on the south side of Interstate 78 in uplands, and the receiving pit would be located adjacent to the Bayonne Switching Station, in uplands. The top of the 42-inch casings will be approximately 2.6 feet beneath the bottom of the ditch. No waters of the United States would be permanently or temporarily impacted by the crossing.

As part of the Bayway-Bayonne Underground Transmission Line installation activities, the applicant proposes to expand and upgrade the North Avenue Substation, located in the City of Elizabeth, by constructing a new Gas-Insulator Switchgear (GIS) building along with 345kV transformers. The two (2) proposed new underground 345kV transmission lines described above would connect to this expanded substation. To facilitate the expansion of the existing North Avenue Substation, approximately 17,000 cubic yards of fill material would be discharged into 1.108 acres of palustrine open water, and approximately 0.260 acres of palustrine emergent wetlands.

The applicant has stated that as a result of the proposed upgrade and conversion activities associated with the Bergen-Linden Corridor Project, a total of approximately 1.819 acres of waters of the United States consisting of palustrine emergent wetlands dominated by common reed (Phragmites australis) (1.108 acres) and palustrine scrub/shrub wetlands dominated by groundsel-tree (Baccharis halimifolia) (0.711 acres) would be permanently impacted along tidal tributaries of Moses Creek, Newark Bay, and an open water area adjacent to Elizabeth Channel. In addition, a total of approximately 4.774 acres of waters of the United States, including palustrine emergent, palustrine scrub/shrub, and palustrine forested wetlands would be temporarily disturbed as a result of the proposed project. The applicant intends to restore all temporarily disturbed waters of the United States, including emergent, scrub/shrub and forested wetlands, to preconstruction elevations and plant these areas with native hydrophytic species where appropriate. Detailed plans for restoration of temporary impacts would be prepared by the applicant.

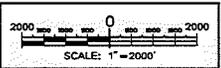
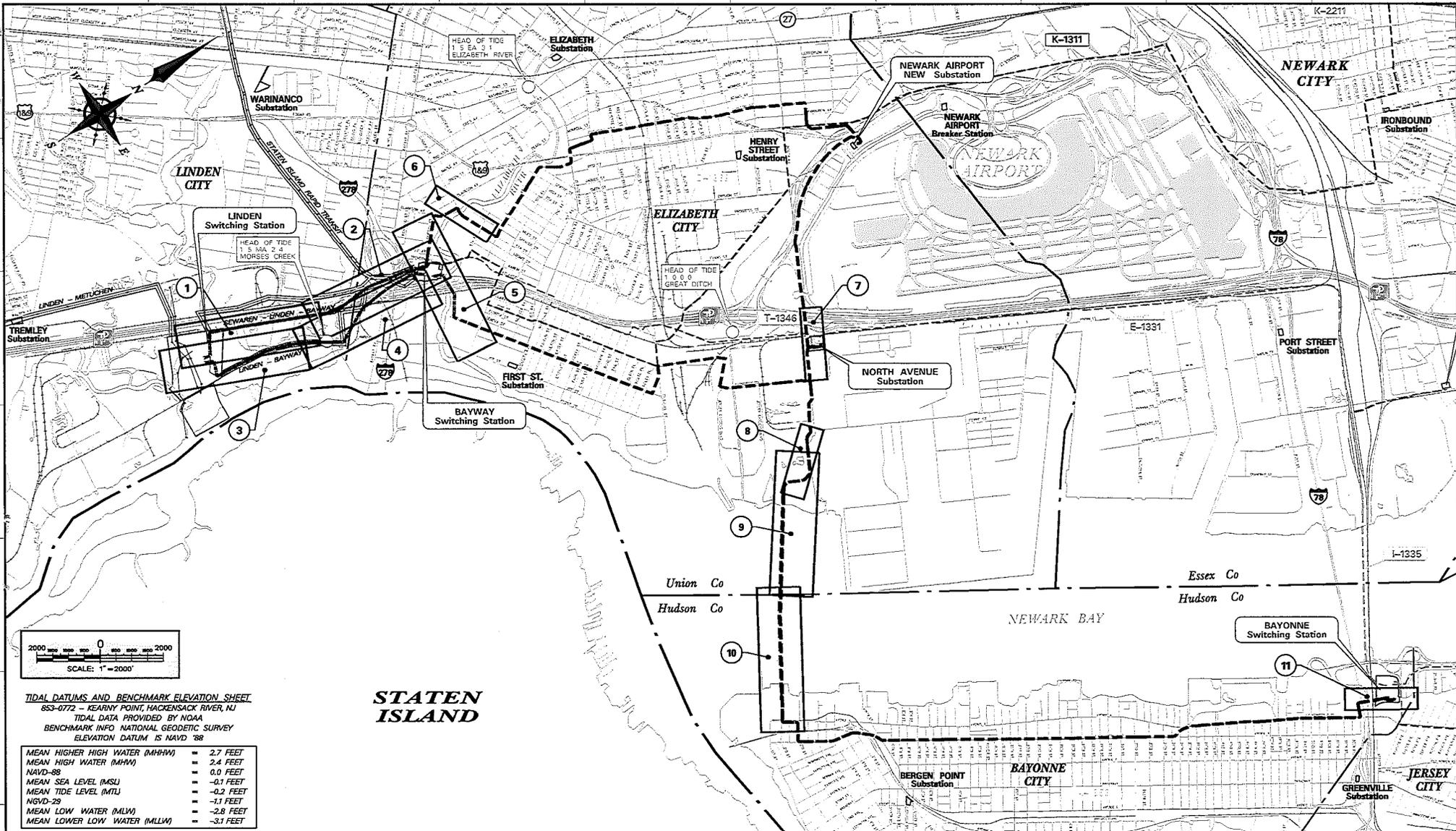
The applicant has stated that impacts to waters of the United States, including wetlands, have been minimized and avoided through the use of the installation of monopoles which are state of the art in design and include a reduced footprint which can be constructed in a relatively short time period. Additionally, the applicant proposes to use temporary construction mats over wetlands for construction equipment access. In addition, crossings of waterways are being accomplished either aurally, by temporary bridge attachment, or through HDD drilling.

Proposed Compensatory Mitigation: To compensate for the 1.819 acres of unavoidable wetland losses, which consist of 1.108 acres of palustrine open water and 0.711 acres of palustrine emergent and scrub/shrub wetlands, the applicant also proposes to enhance approximately 1.24 acres of existing forested and scrub shrub wetlands, and restore approximately 0.37 acres of existing uplands to emergent wetlands at a site known as the Robinsons Branch Wetland Mitigation Project, located in the Township of Edison, Middlesex County, New Jersey. The applicant additionally proposes to purchase 0.823 mitigation credits from a federally approved wetland mitigation bank (whose Service Area includes the project impact area) to compensate for the loss of palustrine open water and palustrine emergent wetlands dominated by common reed.

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If mitigation credits are not available at the federally approved mitigation bank, the applicant proposes to instead, enhance approximately 2.0 acres of existing palustrine forested and scrub-shrub wetlands at a second site situated along Bellman's Creek, in the Borough of Ridgefield, Bergen County, New Jersey. The proposed wetland enhancement activities would include the removal of historic fill material, the eradication of invasive plant species, and the establishment of native plant communities.

The stated purpose of this project is to provide safe and reliable electric power to the public and ensure continued compliance with the regional reliability standards, and to meet electrical load growth with the Regional Transmission Expansion Plan developed created by PJM Interconnections, LLC. PJM Interconnections, LLC is a regional transmission organization regulated by the Federal Energy Regulatory Commission, and has the responsibility for the reliable operation and planning of electrical transmission systems in thirteen (13) states, including New Jersey.



TIDAL DATUMS AND BENCHMARK ELEVATION SHEET
 853-0772 - KEARNY POINT, HACKENSACK RIVER, NJ
 TIDAL DATA PROVIDED BY NOAA
 BENCHMARK INFO NATIONAL GEODETIC SURVEY
 ELEVATION DATUM IS NAVD '88

MEAN HIGHER HIGH WATER (MHHW)	= 2.7 FEET
MEAN HIGH WATER (MHW)	= 2.4 FEET
NAVD-88	= 0.0 FEET
MEAN SEA LEVEL (MSL)	= -0.1 FEET
MEAN TIDE LEVEL (MTL)	= -0.2 FEET
NAVD-28	= -1.1 FEET
MEAN LOW WATER (MLW)	= -2.8 FEET
MEAN LOWER LOW WATER (MLLW)	= -3.1 FEET

LEGEND:

- EXISTING PSE&G ROW
- PROPOSED OVERHEAD TRANSMISSION LINE
- PROPOSED UNDERGROUND TRANSMISSION LINE
- HEAD OF TIDE (TAKEN FROM ADESP DIGITAL DATA FILES, 2008 EDITION)

2

SHEET LAYOUT

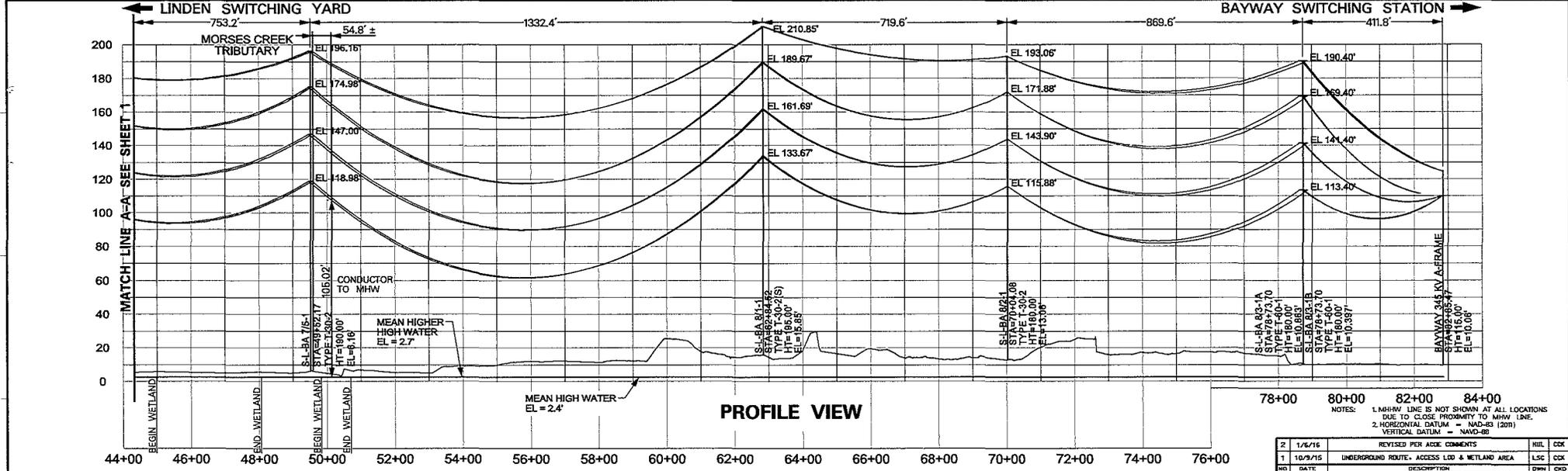
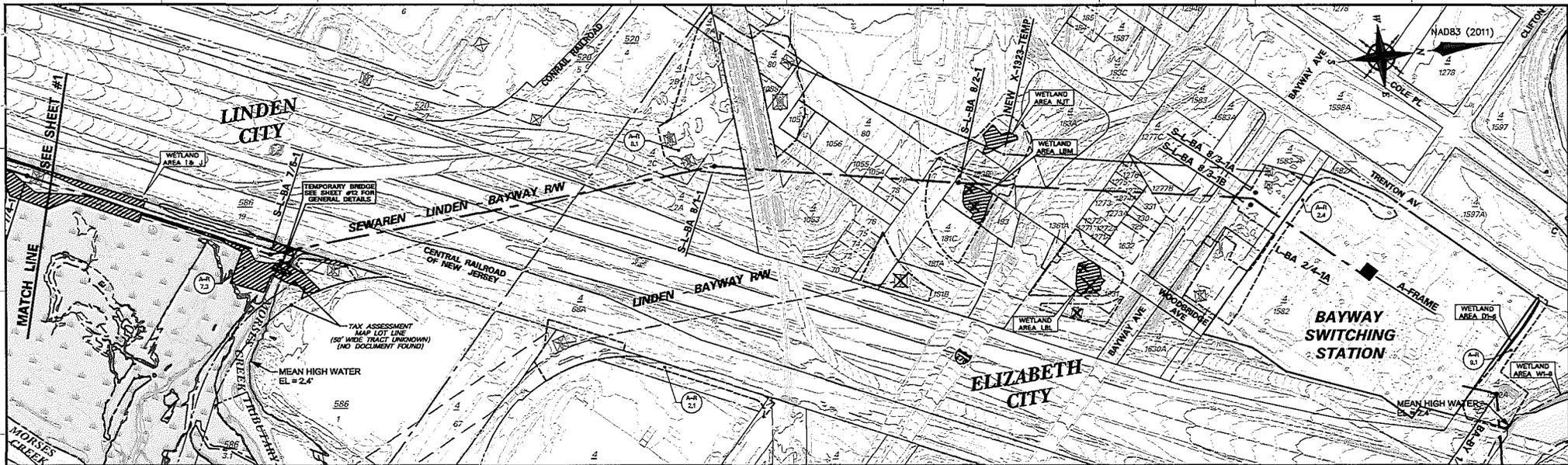
STATEN ISLAND

NOTE:
 SHEETS SHOWN COVER PORTIONS OF PROJECT IMPACTED BY REGULATED AREAS ONLY.

<p>ACOM CONSULTING ENGINEERS 80 PARK PLAZA - NEWARK - NEW JERSEY - 07102-3000</p> <p>THEORY CERTIFY THAT THE PROPOSED STRUCTURE LOCATIONS AND LIMITS OF UNDERGROUND SHOWN ARE ACCURATE AND CORRESPOND WITH THE DETAILED ENGINEERING DRAWINGS.</p> <p>SHEETS #1-#5 1/7/16 EARL R. HENDRICKS</p> <p>N.L. PROFESSIONAL ENGINEER No. 24620610000 CCA No. 24620610000</p>	<p>POWER DESIGNERS NEW JERSEY LICENSE NO. 0000000000</p> <p>THEORY CERTIFY THAT THE PROPOSED UNDERGROUND ENGINEERING AND LIMITS OF UNDERGROUND SHOWN ARE ACCURATE AND CORRESPOND WITH THE DETAILED ENGINEERING DRAWINGS.</p> <p>SHEET #5 1/16/16 JOHN K. WANG</p> <p>N.L. PROFESSIONAL ENGINEER No. 24620481000 CCA No. 24620481000</p>	<p>POWER DESIGNERS NEW JERSEY LICENSE NO. 0000000000</p> <p>THEORY CERTIFY THAT THE PROPOSED UNDERGROUND ENGINEERING AND LIMITS OF UNDERGROUND SHOWN ARE ACCURATE AND CORRESPOND WITH THE DETAILED ENGINEERING DRAWINGS.</p> <p>SHEETS #6-#8 & #8-#12 (EXCEPT NEWARK BAY CROSSING) 1/14/16 DENNIS E. JOHNSON</p> <p>N.L. PROFESSIONAL ENGINEER No. 24620502000 CCA No. 24620502000</p>	<p>Gewit CONSULTING ENGINEERS 300 NEWARK BLVD SOUTH PLUMBLED - NEW JERSEY - 07038</p> <p>THEORY CERTIFY THAT THE PROPOSED UNDERGROUND ENGINEERING AND LIMITS OF UNDERGROUND SHOWN ARE ACCURATE AND CORRESPOND WITH THE DETAILED ENGINEERING DRAWINGS.</p> <p>SHEET #7 1/12/16 BRETT E. CARLGRN</p> <p>N.L. PROFESSIONAL ENGINEER No. 24620092000 CCA No. 24620092000</p>	<p>MPS Consulting Engineers, LLC 270 UNION BLVD SOUTH PLUMBLED - NEW JERSEY - 07038</p> <p>THEORY CERTIFY THAT THE PROPOSED UNDERGROUND ENGINEERING AND LIMITS OF UNDERGROUND SHOWN ARE ACCURATE AND CORRESPOND WITH THE DETAILED ENGINEERING DRAWINGS.</p> <p>SHEETS #9-#10 1/7/16 PAUL B. SHAW</p> <p>N.L. PROFESSIONAL ENGINEER No. 246206054000 CCA No. 246206054000</p>	<p>PSEG SERVICES CORPORATION 80 PARK PLAZA - NEWARK - NEW JERSEY - 07102-3000</p> <p>THEORY CERTIFY THAT THIS PLAN SET WAS PROVIDED BY ME ON UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY REGISTERED PROFESSIONAL LAND SURVEYOR UNDER THE LAWS OF THE STATE OF NEW JERSEY.</p> <p>ALL SHEETS 1/12/16 SHEHZAD C. KHAN</p> <p>N.L. PROFESSIONAL LAND SURVEYOR No. 064204 CCA No. 24620370000</p>
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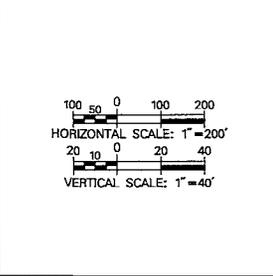
2	1/16	REVISED PER ACOE COMMENTS	N.L.	COX	
1	12/15/15	UNDERGROUND ROUTE, ACCESS LID & RETAINERS AREA	LSC	COX	
NO	DATE	DESCRIPTION	DRWN	CHKD	
REVISION					
<p>PSEG Services Corporation SURVEYS & MAPPING</p> <p>CORPORATE HEADQUARTERS 80 Park Plaza Newark, N.J. 07102-4154 Phone : (973) 430-7000</p>					
<p>BERGEN-LINDEN CORRIDOR PROJECT LINDEN-BAYWAY OVERHEAD (PHASE 2) AND BAYWAY/BAYONNE UNDERGROUND (PHASE 3) ACOE PERMIT PLAN</p>					
DRAWN	HUL/CCX	CHECKED	MJP	SCALE	AS SHOWN
DATE	7-13-2015	EXAMINED	SCX	AUTH	PL-13081

Figure 1 of 21



LEGEND

	EXISTING STRUCTURE TO BE REMOVED		WETLAND BOUNDARY (SEE REFERENCE #3 & NOTE #2)
	EXISTING STRUCTURE TO REMAIN		WETLAND BOUNDARY (SEE REFERENCE #4 & NOTE #2)
	PROPOSED STRUCTURE LOCATION		APPROXIMATE WETLAND (SEE REFERENCE #3)
	PROPOSED L/L TRANSMISSION LINE VAULT AND MANHOLE		OPEN WATER BOUNDARY
	PROPOSED OVERHEAD CONDUCTOR ALIGNMENT		MEAN HIGH WATER LINE
	PROPOSED UNDERGROUND TRANSMISSION LINE		MEAN HIGHER HIGH WATER LINE
	PROPOSED TEMPORARY ACCESS ROAD AND LAYDOWN AREA		MAJOR CONTOUR (SEE REFERENCE #1)
	LIMIT OF DISTURBANCE		MINOR CONTOUR (SEE REFERENCE #1)
	STATION BOUNDARY		SPOT ELEVATION (SEE REFERENCE #1)
	EXISTING RIGHT OF WAY (EASEMENT & FEE)		PERMANENT FILL OR GRAVEL AREA
	MUNICIPAL LINE		MATTED WETLAND AREA IMPACT
	TAX BLOCK LINE		
	TAX LOT LINE		



NO.	WATERWAY CROSSING	WETLAND AREA	STATION LOD, TOWERS & VAULTS	ABOVE MEAN HIGH WATER LINE		BELOW MEAN HIGH WATER LINE	
				PERMANENT DISTURBANCE		TEMPORARY DISTURBANCE	
				WETLANDS	WATERS	WETLANDS	WATERS
1	MORSES CREEK AND TRIBUTARIES	I & J	S-L-BA 7/5-1	NA	NA	19,375 SF 0.445 Ac	NA
		NA	S-L-BA 8/1-1	NA	NA	NA	NA
		LBM & LBL	S-L-BA 8/2-1	NA	NA	12,534 SF 0.288 Ac	NA
		NA	S-L-BA 8/3-1A	NA	NA	NA	NA
2	ELIZABETH RIVER TRIBUTARY WETLANDS	NA	S-L-BA 8/3-1B	NA	NA	NA	NA
		NA	S-L-BA 8/3-1B	NA	NA	NA	NA
		NA	BAYWAY A-FRAME	NA	NA	NA	NA
		NA	X-1023 TEMP	NA	NA	4,189 SF 0.096 Ac	NA

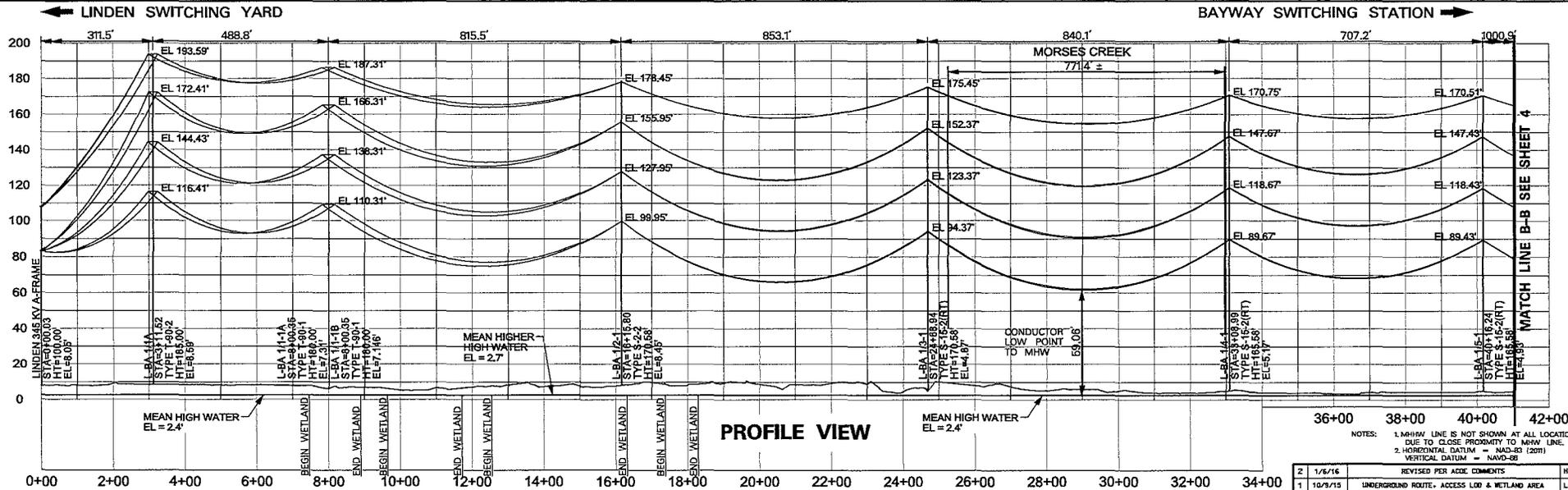
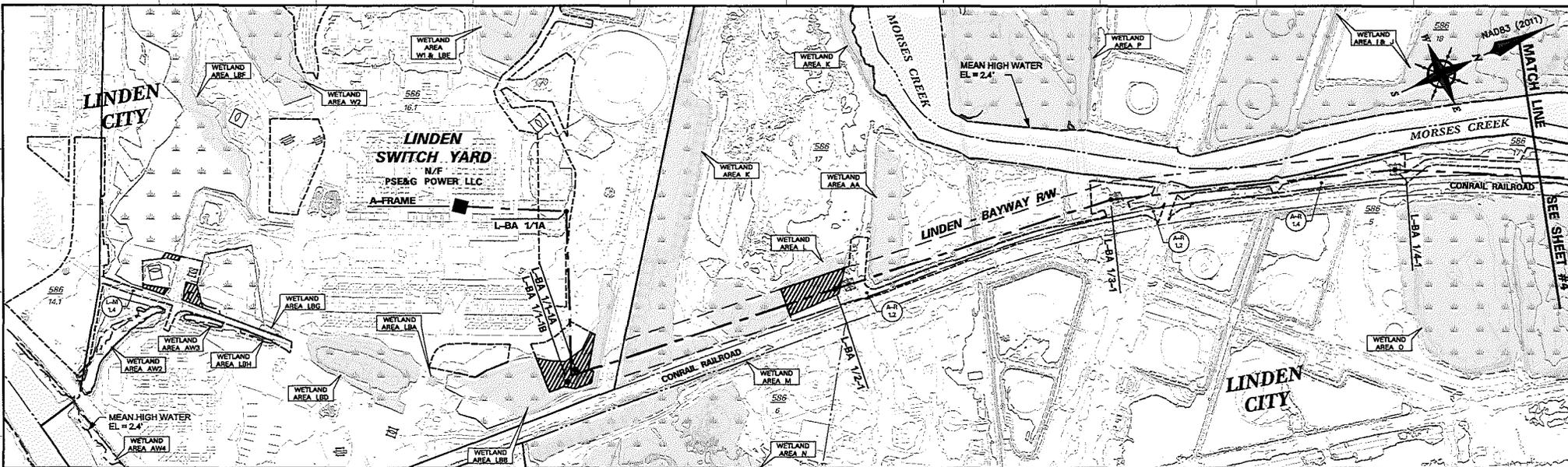
2/ 1/6/16 REVISED PER ACCE COMMENTS HIL CCK
 1/ 10/4/15 UNDERGROUND ROUTE, ACCESS LBL & WETLAND AREA LSC CCK
 NO DATE DESCRIPTION REVISION DWN CCK

PSEG CORPORATION HEADQUARTERS
 Services Corporation
 SURVEYS & MAPPING
 80 Park Plaza
 Newark, N.J. 07102-4154
 Phone: (973) 430-7000

BERGEN-LINDEN CORRIDOR PROJECT
 LINDEN-BAYWAY OVERHEAD (PHASE 2)
 AND
 BAYWAY/BAYONNE UNDERGROUND (PHASE 3)
 ELIZABETH CITY LINDEN CITY UNION CO. N.J.

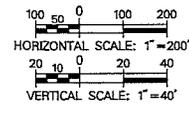
ACOE PERMIT PLAN

DRAWN: HUL/CCK CHECKED: MJP SCALE: AS SHOWN
 DATE: 7-13-2015 EXAMINED: SCK AUTH: PJ-13081



LEGEND

	EXISTING STRUCTURE TO BE REMOVED		WETLAND BOUNDARY (SEE REFERENCE #3 & NOTE #2)
	EXISTING STRUCTURE TO REMAIN		WETLAND BOUNDARY (SEE REFERENCE #4 & NOTE #2)
	PROPOSED STRUCTURE LOCATION		APPROXIMATE WETLAND (SEE REFERENCE #3)
	PROPOSED U.G. TRANSMISSION LINE VAULT AND MANHOLE		OPEN WATER BOUNDARY
	PROPOSED OVERHEAD CONDUCTOR ALIGNMENT		MEAN HIGH WATER LINE
	PROPOSED UNDERGROUND TRANSMISSION LINE		MEAN HIGHER HIGH WATER LINE
	PROPOSED TEMPORARY ACCESS ROAD AND LAYDOWN AREA		MINOR CONTOUR (SEE REFERENCE #1)
	STATION BOUNDARY		MAJOR CONTOUR (SEE REFERENCE #1)
	EXISTING RIGHT OF WAY (EASEMENT & FEE)		SPOT ELEVATION (SEE REFERENCE #1)
	MUNICIPAL LINE		PERMANENT FILL OR GRAVEL AREA
	TAX BLOCK LINE		MATTED WETLAND AREA IMPACT
	TAX LOT LINE		



NO.	WATERWAY CROSSING	WETLAND AREA	STATION LOD, TOWERS & VAULTS	ABOVE MEAN HIGH WATER LINE		BELOW MEAN HIGH WATER LINE			
				PERMANENT DISTURBANCE	TEMPORARY DISTURBANCE	PERMANENT DISTURBANCE	TEMPORARY DISTURBANCE		
				WETLANDS	WATERS	WETLANDS	WATERS		
1	MORSES CREEK AND TRIBUTARIES	NA	LINDEN A-FRAME	NA	NA	NA	NA		
		NA	L-BA 1/1A	NA	NA	NA	NA		
		LBB	L-BA 1/1-1A	154 SF 0.004 Ac	NA	13,907 SF 0.319 Ac	NA	NA	
		LBB	L-BA 1/1-1B	154 SF 0.004 Ac	NA	NA	NA	NA	
		L	L-BA 1/2-1	154 SF 0.004 Ac	NA	13,069 SF 0.300 Ac	NA	NA	
		NA	L-BA 1/3-1	NA	NA	NA	NA	NA	
		NA	L-BA 1/4-1	NA	NA	NA	NA	NA	
		LBB, LBB, LBB & LBB	OTHER AREAS LINDEN STATION	NA	NA	3,880 SF 0.089 Ac	NA	NA	852 SF 0.022 Ac
		NA		NA	NA	NA	NA	NA	NA

NOTES: 1. MHHW LINE IS NOT SHOWN AT ALL LOCATIONS DUE TO CLOSE PROXIMITY TO MHW LINE.
2. HORIZONTAL DATUM = NAD-83 (2011)
VERTICAL DATUM = NAVD-88

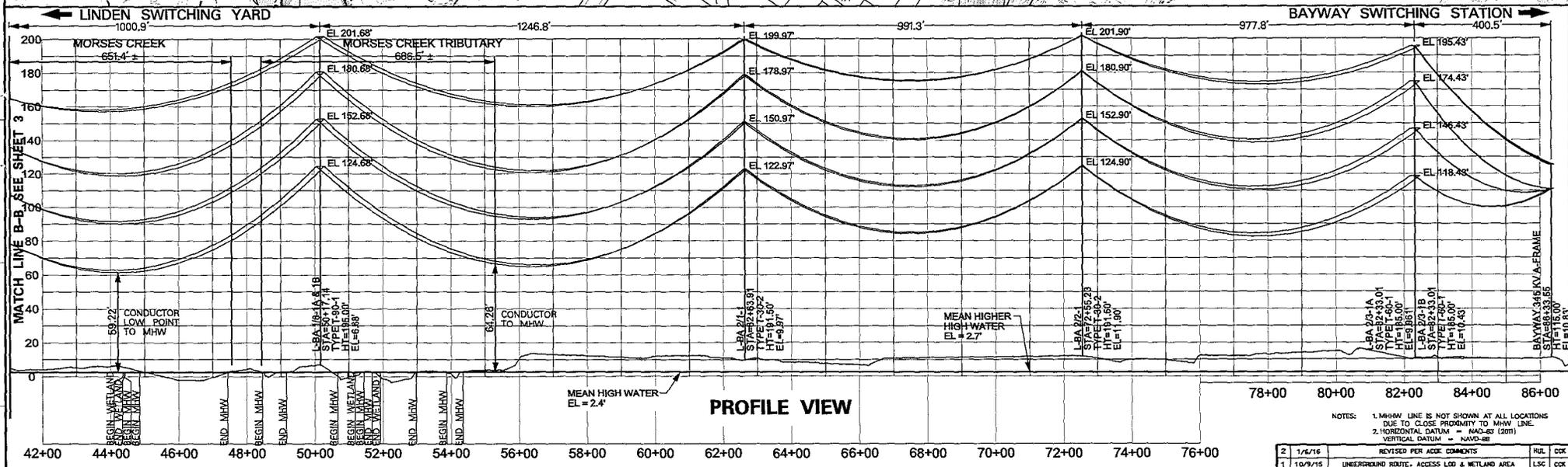
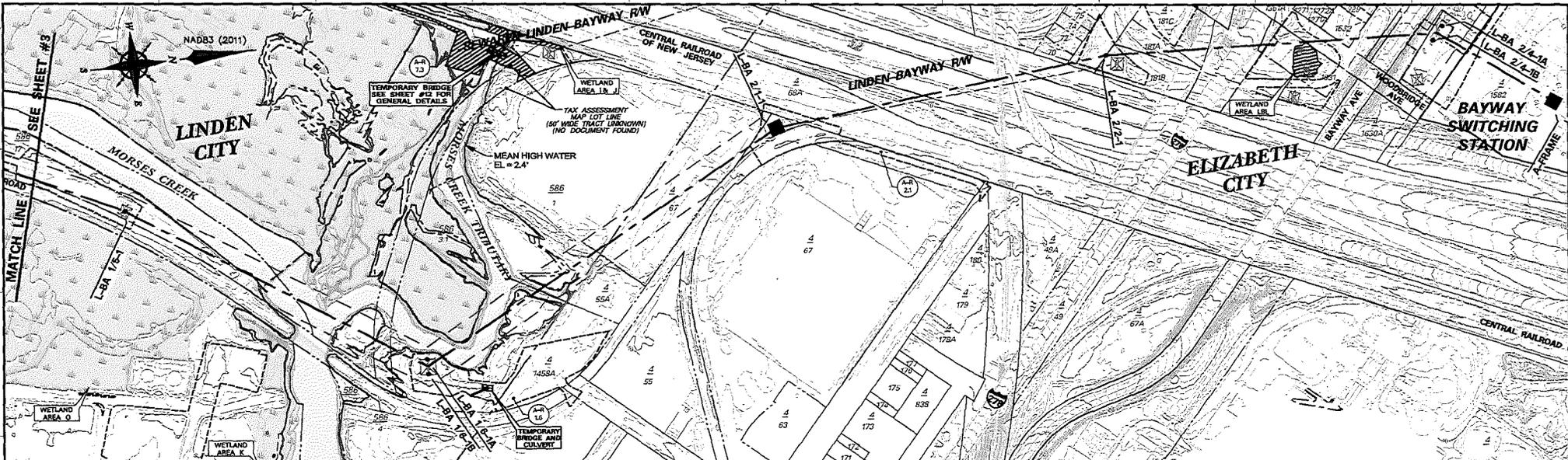
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2	1/6/16	REVISED PER ACCE COMMENTS		NIL CCK
1	10/9/15	UNDERGROUND ROUTE, ACCESS LOD & WETLAND AREA	LSC	CCK
				CHK1 CHK2

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 BAYWAY/BAYONNE UNDERGROUND (PHASE 3)
 LINDEN CITY UNION CO., N.J.

ACOE PERMIT PLAN

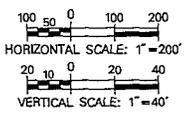
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 DATE: 7-17-2015 EXAMINED: SCJ AUTH: PJJ/12/2011

Figure 4 of 21



LEGEND

<ul style="list-style-type: none"> EXISTING STRUCTURE TO BE REMOVED EXISTING STRUCTURE TO REMAIN PROPOSED STRUCTURE LOCATION PROPOSED UG TRANSMISSION LINE, VAULT AND MANHOLE PROPOSED OVERHEAD CONDUCTOR ALIGNMENT PROPOSED UNDERGROUND TRANSMISSION LINE PROPOSED TEMPORARY ACCESS ROAD AND LAYDOWN AREA LIMIT OF DISTURBANCE STATION BOUNDARY EXISTING RIGHT OF WAY (EASEMENT & FEE) MUNICIPAL LINE TAX BLOCK LINE TAX LOT LINE 	<ul style="list-style-type: none"> WETLAND BOUNDARY (SEE REFERENCE #3 & NOTE #2) WETLAND BOUNDARY (SEE REFERENCE #4 & NOTE #2) APPROXIMATE WETLAND BOUNDARY (SEE REFERENCE #5) OPEN WATER BOUNDARY MEAN HIGH WATER LINE MEAN HIGHER HIGH WATER LINE MAJOR CONTOUR (SEE REFERENCE #1) MINOR CONTOUR (SEE REFERENCE #1) SPOT ELEVATION (SEE REFERENCE #1) PERMANENT FILL OR GRAVE AREA MATTED WETLAND AREA IMPACT
--	--



NO.	WATERWAY CROSSING	WETLAND AREA	STATION LOD, TOWERS & VAULTS	ABOVE MEAN HIGH WATER LINE				BELOW MEAN HIGH WATER LINE			
				PERMANENT DISTURBANCE		TEMPORARY DISTURBANCE		PERMANENT DISTURBANCE		TEMPORARY DISTURBANCE	
				WETLANDS	WATERS	WETLANDS	WATERS	WETLANDS	WATERS	WETLANDS	WATERS
1	MORSE CREEK AND TRIBUTARIES	NA	L-BA 1/5-1	NA	NA	NA	NA	NA	NA	NA	NA
		K	L-BA 1/6-1A	NA	NA	NA	NA	NA	NA	NA	NA
		K	L-BA 1/6-1B	NA	NA	15 SF	0.000 Ac	NA	NA	NA	NA
		NA	L-BA 2/1-1	NA	NA	NA	NA	NA	NA	NA	NA
2	ELIZABETH RIVER TRIBUTARY WETLANDS	NA	L-BA 2/4-1A	NA	NA	NA	NA	NA	NA	NA	NA
		NA	L-BA 2/4-1B	NA	NA	NA	NA	NA	NA	NA	NA
		NA	BAYWAY A-FRAME	NA	NA	NA	NA	NA	NA	NA	NA
		NA	BAYWAY A-FRAME	NA	NA	NA	NA	NA	NA	NA	NA

NOTES: 1. MHW LINE IS NOT SHOWN AT ALL LOCATIONS DUE TO CLOSE PROXIMITY TO MHW LINE.
2. HORIZONTAL DATUM = NAD-83 (2011)
VERTICAL DATUM = NAVD-83

2	1/6/16	REVISED PER ACOE COMMENTS	RUL	CDK
1	10/9/15	UNDERGROUND ROUTE, ACCESS LOD & WETLAND AREA	LSC	CDK
NO	DATE	DESCRIPTION	OWN	CDK
REVISION				

OPSEG Services Corporation
SURVEYS & MAPPING

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 Newark, N.J. 07102-4194
 Phone : (973) 430-7000

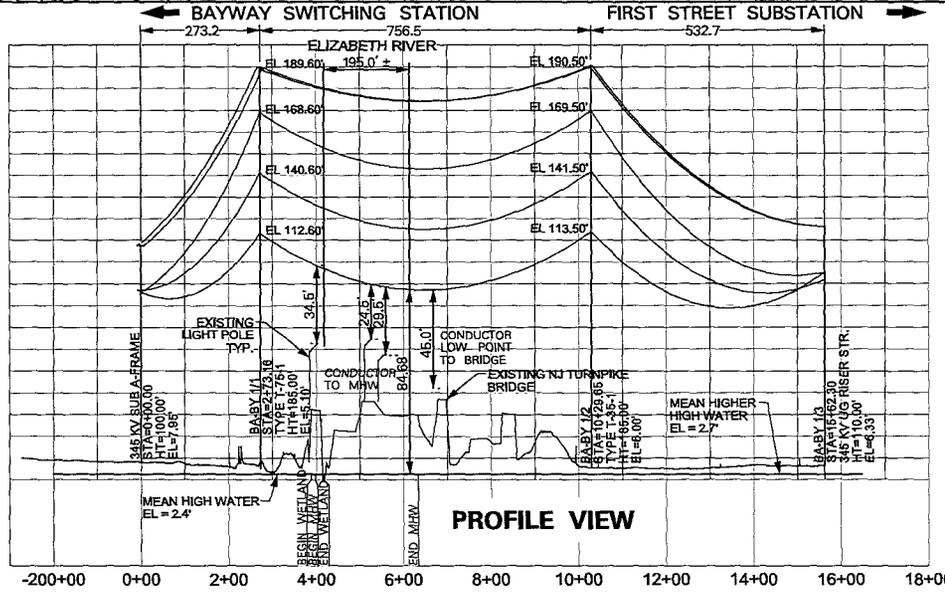
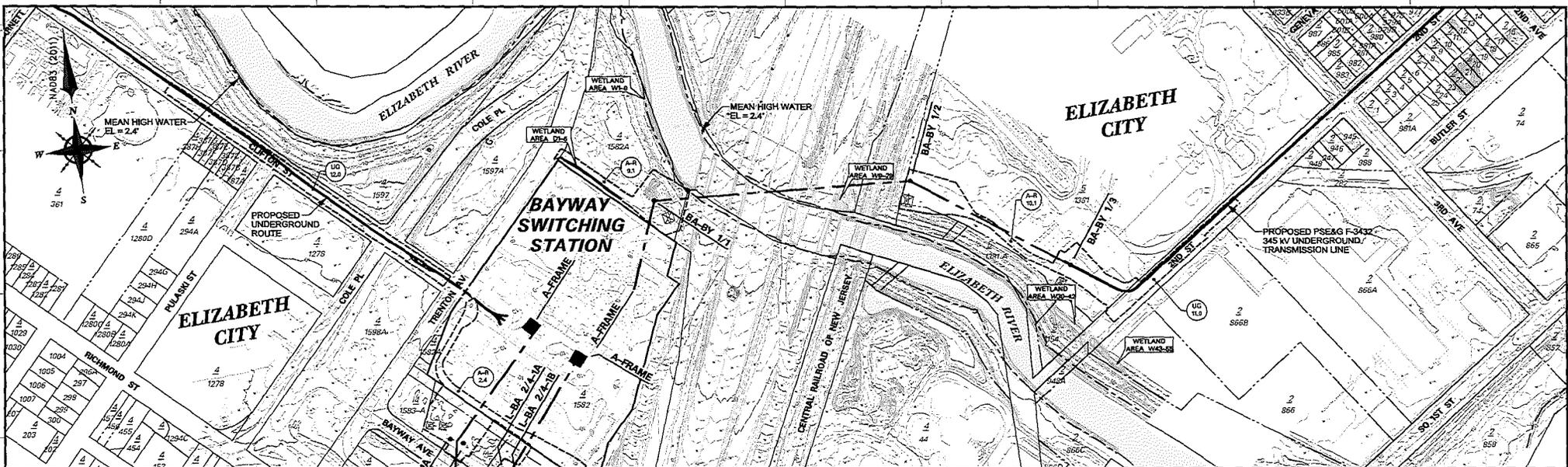
BERGEN-LINDEN CORRIDOR PROJECT
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 AND
 BAYWAY/BAYONNE UNDERGROUND (PHASE 3)

ELIZABETH CITY LINDEN CITY UNION CO., N.J.

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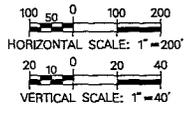
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 DATE: 7-13-2016 EXAMINED: SKL AUTH: P-13081

Figure 5 of 21



NOTES:
 1. MHHW LINE IS NOT SHOWN AT ALL LOCATIONS DUE TO CLOSE PROXIMITY TO MHW LINE.
 2. HORIZONTAL DATUM = MADS-88 (2011)
 VERTICAL DATUM = NAVD-88

LEGEND	
	EXISTING STRUCTURE TO BE REMOVED
	EXISTING STRUCTURE TO REMAIN
	PROPOSED STRUCTURE LOCATION
	PROPOSED U/L TRANSMISSION LINE, VAULT AND MANHOLE
	PROPOSED OVERHEAD CONDUCTOR ALIGNMENT
	PROPOSED UNDERGROUND TRANSMISSION LINE
	PROPOSED TEMPORARY ACCESS ROAD AND LAYDOWN AREA LIMIT OF DISTURBANCE
	STATION BOUNDARY
	EXISTING RIGHT OF WAY (EASEMENT & FEE)
	MUNICIPAL LINE
	TAX BLOCK LINE
	TAX LOT LINE
	WETLAND BOUNDARY (SEE REFERENCE #3 & NOTE #2)
	WETLAND BOUNDARY (SEE REFERENCE #4 & NOTE #2)
	APPROXIMATE WETLAND BOUNDARY (SEE REFERENCE #6)
	OPEN WATER BOUNDARY
	MEAN HIGH WATER LINE
	MEAN HIGHER HIGH WATER LINE
	MAJOR CONTOUR (SEE REFERENCE #1)
	MINOR CONTOUR (SEE REFERENCE #1)
	SPOT ELEVATION (SEE REFERENCE #1)
	PERMANENT FILL OR GRAVEL AREA
	MATTED WETLAND AREA IMPACT



NO.	WATERWAY CROSSING	WETLAND AREA	STATION LOD. TOWERS & VAULTS	ABOVE MEAN HIGH WATER LINE				BELOW MEAN HIGH WATER LINE			
				PERMANENT DISTURBANCE		TEMPORARY DISTURBANCE		PERMANENT DISTURBANCE		TEMPORARY DISTURBANCE	
				WETLANDS	WATERS	WETLANDS	WATERS	WETLANDS	WATERS	WETLANDS	WATERS
3	ELIZABETH RIVER 1	NA	BAYWAY A-FRAME	NA	NA	NA	NA	NA	NA	NA	NA
		WF-9 & DI-6	BA-BY 1/1	NA	NA	898 SF 0.021 Ac	NA	NA	NA	NA	NA
		NA	BA-BY 1/2	NA	NA	NA	NA	NA	NA	NA	NA
		NA	BA-BY 1/3	NA	NA	NA	NA	NA	NA	NA	NA

NO.	DATE	DESCRIPTION	BY	CHK
2	1/6/16	REVISED PER ACOE COMMENTS		
1	10/9/15	UNDERGROUND ROUTE, ACCESS LOD & WETLAND AREA	LSC	COX

OPSEG Services Corporation
 SURVEYS & MAPPING

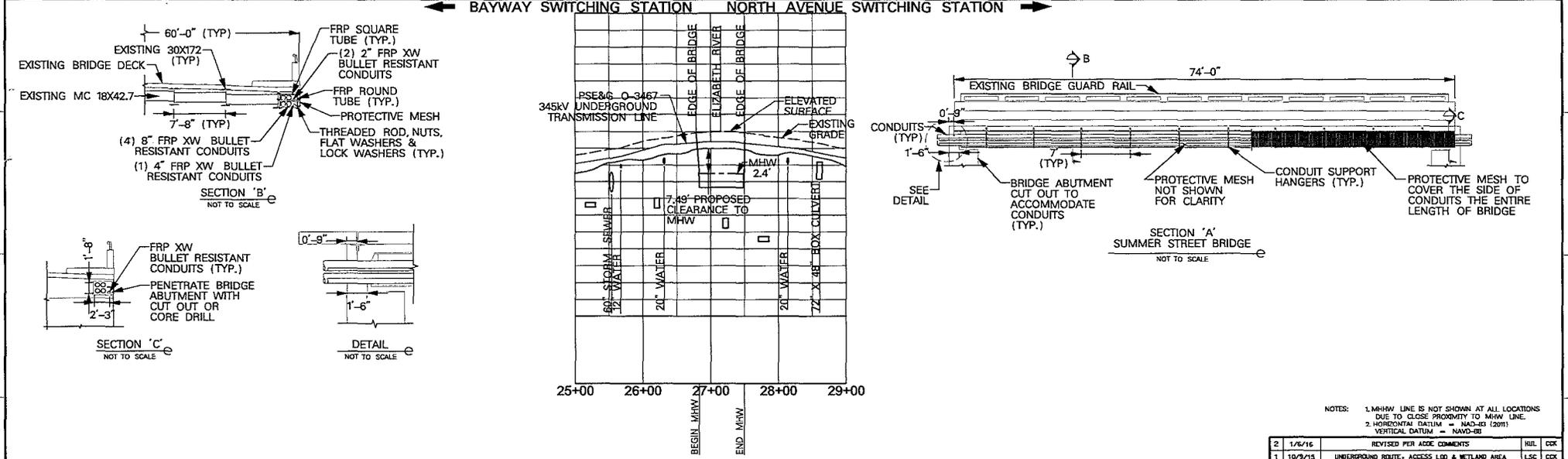
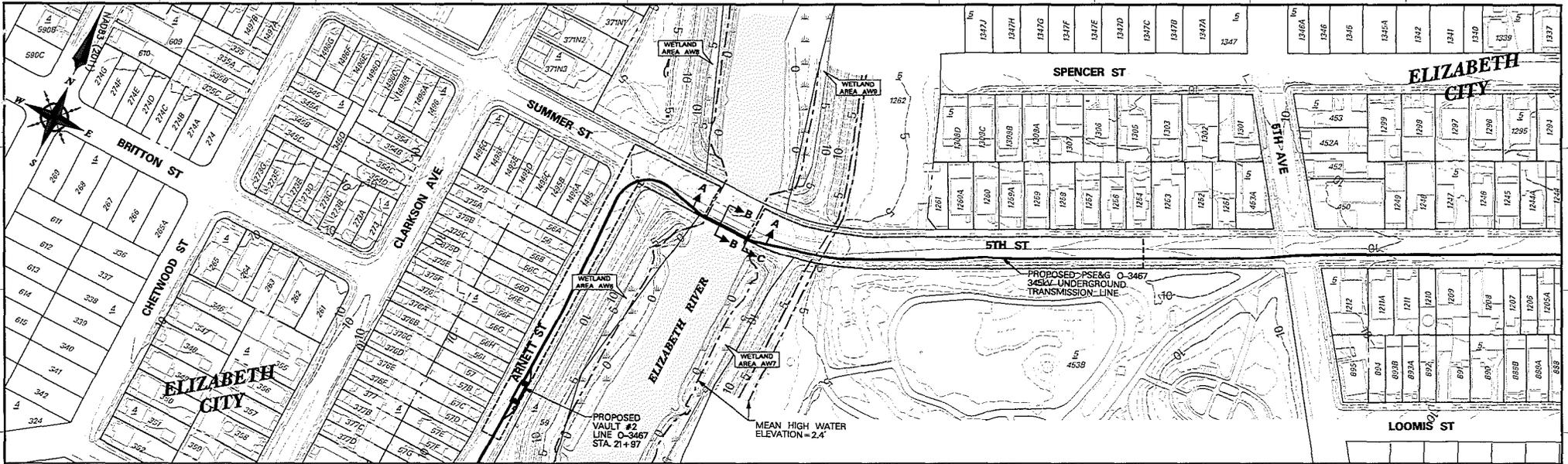
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 Newark, NJ, 07102-4194
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 AND
 BAYWAY/BAYONNE UNDERGROUND (PHASE 3)

ELIZABETH CITY UNION CO., N.J.

ACOE PERMIT PLAN

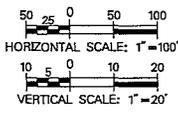
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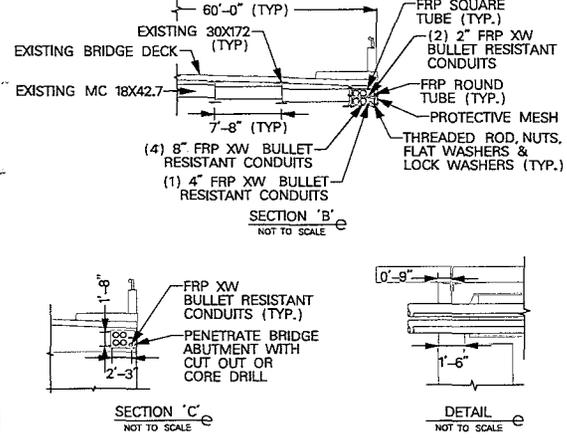
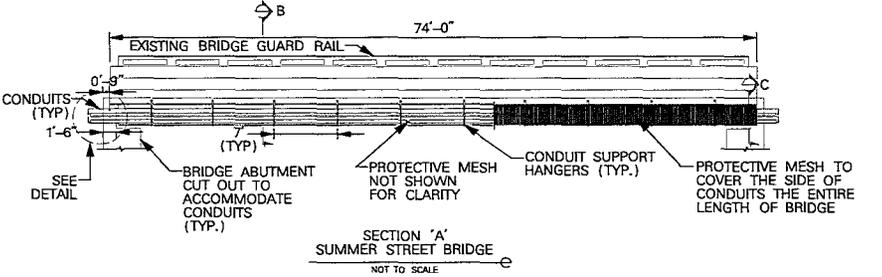
LEGEND

	EXISTING STRUCTURE TO BE REMOVED		WETLAND BOUNDARY (SEE REFERENCE #3)
	EXISTING STRUCTURE TO REMAIN		WETLAND BOUNDARY (SEE REFERENCE #4)
	PROPOSED STRUCTURE LOCATION		APPROXIMATE WETLAND (SEE REFERENCE #6)
	PROPOSED U/L TRANSMISSION LINE VAULT AND HANDHOLE		OPEN WATER BOUNDARY
	PROPOSED OVERHEAD CONDUCTOR ALIGNMENT		MEAN HIGH WATER LINE
	PROPOSED UNDERGROUND TRANSMISSION LINE		MEAN HIGHER HIGH WATER LINE
	PROPOSED TEMPORARY ACCESS ROAD AND LAYDOWN AREA		MAJOR CONTOUR (SEE REFERENCE #1)
	STATION BOUNDARY		MINOR CONTOUR (SEE REFERENCE #1)
	EXISTING RIGHT OF WAY (EASEMENT & FEE)		SPOT ELEVATION (SEE REFERENCE #1)
	MUNICIPAL LINE		PERMANENT FILL OR GRAVEL AREA
	TAX BLOCK LINE		MATTED WETLAND AREA IMPACT
	TAX LOT LINE		

PROFILE VIEW
PSE&G O-3467 345KV UNDERGROUND TRANSMISSION LINE



NO.	WATERWAY CROSSING	WETLAND AREA	STATION LOD, TOWERS & VAULTS	ABOVE MEAN HIGH WATER LINE		BELOW MEAN HIGH WATER LINE	
				PERMANENT DISTURBANCE	TEMPORARY DISTURBANCE	PERMANENT DISTURBANCE	TEMPORARY DISTURBANCE
				WETLANDS	WATERS	WETLANDS	WATERS
4	ELIZABETH RIVER 2	NA	VAULT #2 & HANDHOLE	NA	NA	NA	NA



NOTES:
1. MHHW LINE IS NOT SHOWN AT ALL LOCATIONS DUE TO CLOSE PROXIMITY TO MEAN LINE.
2. HORIZONTAL DATUM = NAD-83 (2011)
VERTICAL DATUM = NAVD-88

2	1/6/16	REVISED PER ACOE COMMENTS	HIL	CKR
1	10/9/15	UNDERGROUND ROUTE, ACCESS LOD & WETLAND AREA	LSC	CKR
NO.	DATE	DESCRIPTION	OWN	CHKD
REVISION				

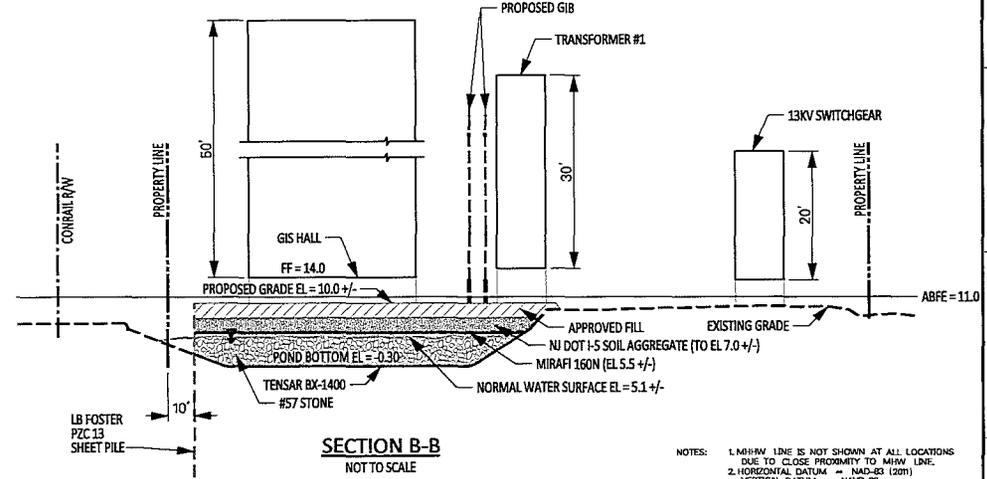
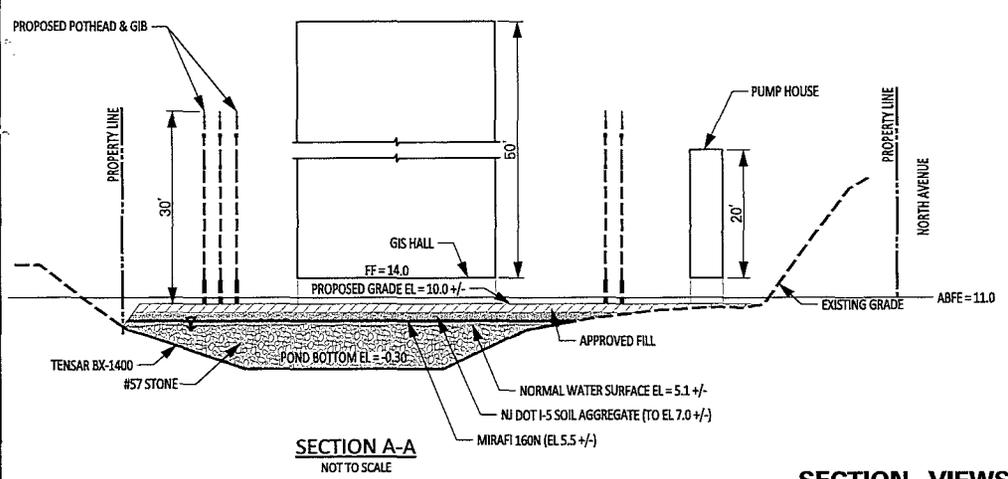
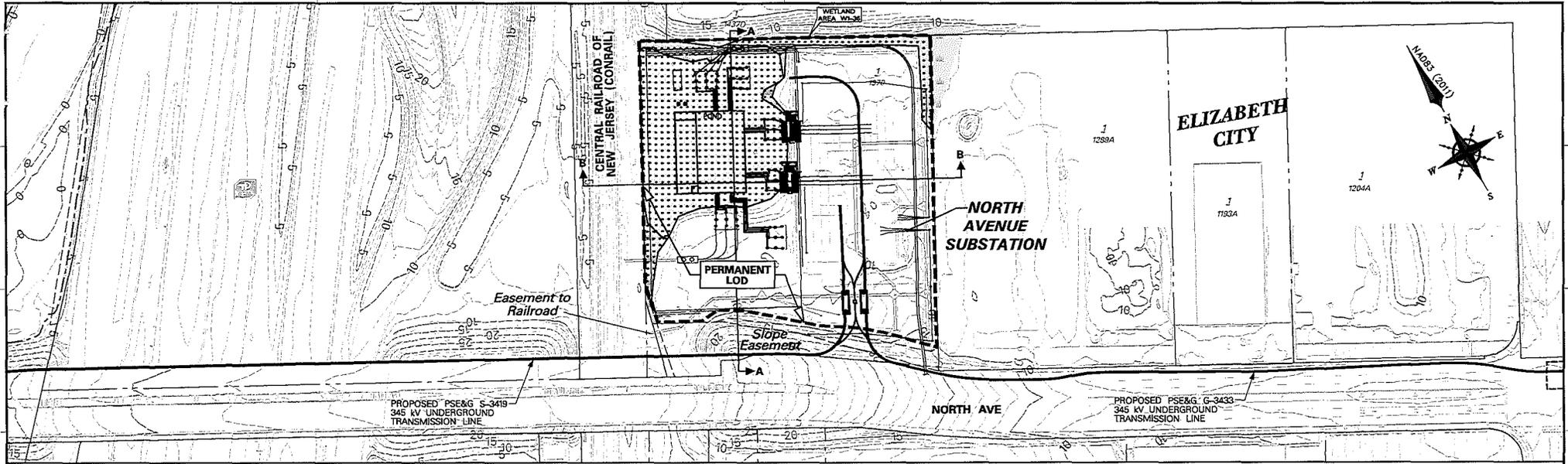
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DRAWN: HUL/CKR CHECKED: HJP SCALE: AS SHOWN
DATE: 7-13-2015 DRAWING: SPK AUTH: PJ-13081

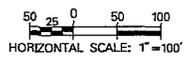


SECTION VIEWS
NORTH AVENUE SUBSTATION

NOTES: 1. MHHW LINE IS NOT SHOWN AT ALL LOCATIONS DUE TO CLOSE PROXIMITY TO MHHW LINE.
2. HORIZONTAL DATUM = NAD-83 (2011)
VERTICAL DATUM = NAVD-88

LEGEND

	EXISTING STRUCTURE TO BE REMOVED (SEE REFERENCE #3 & NOTE #2)		WETLAND BOUNDARY (SEE REFERENCE #3 & NOTE #2)
	EXISTING STRUCTURE TO REMAIN (SEE REFERENCE #3 & NOTE #2)		WETLAND BOUNDARY (SEE REFERENCE #4 & NOTE #2)
	PROPOSED STRUCTURE LOCATION		APPROXIMATE WETLAND (SEE REFERENCE #3)
	PROPOSED U.G. TRANSMISSION LINE VAULT AND MANHOLE		OPEN WATER BOUNDARY
	PROPOSED OVERHEAD CONDUCTOR ALIGNMENT		MEAN HIGH WATER LINE
	PROPOSED UNDERGROUND TRANSMISSION LINE		MEAN HIGHER HIGH WATER LINE
	PROPOSED TEMPORARY ACCESS ROAD AND LAYDOWN AREA		MAJOR CONTOUR (SEE REFERENCE #1)
	STATION BOUNDARY		MINOR CONTOUR (SEE REFERENCE #1)
	EXISTING RIGHT OF WAY (EASEMENT & FEE)		SPOT ELEVATION (SEE REFERENCE #1)
	MUNICIPAL LINE		PERMANENT FILL OR GRAVEL AREA
	TAX BLOCK LINE		MATTED WETLAND AREA IMPACT
	TAX LOT LINE		



NO.	WATERWAY CROSSING	WETLAND AREA	STATION LOD, TOWERS & VAULTS	ABOVE MEAN HIGH WATER LINE		BELOW MEAN HIGH WATER LINE	
				PERMANENT DISTURBANCE	TEMPORARY DISTURBANCE	PERMANENT DISTURBANCE	TEMPORARY DISTURBANCE
				WETLANDS	WATERS	WETLANDS	WATERS
5	NORTH AVENUE SUBSTATION POND	W1-36	NORTH AVENUE SUBSTATION	11,325 SF 0.260 Ac	48,259 SF 1.108 Ac	NA	NA

2	1/6/16	REVISED PER ACCE COMMENTS	NAL	CDK
1	10/9/15	UNDERGROUND ROUTE ACCESS LOD & WETLAND AREA	LSC	CDK
NO.	DATE	REVISION	DESIGN	CHECK

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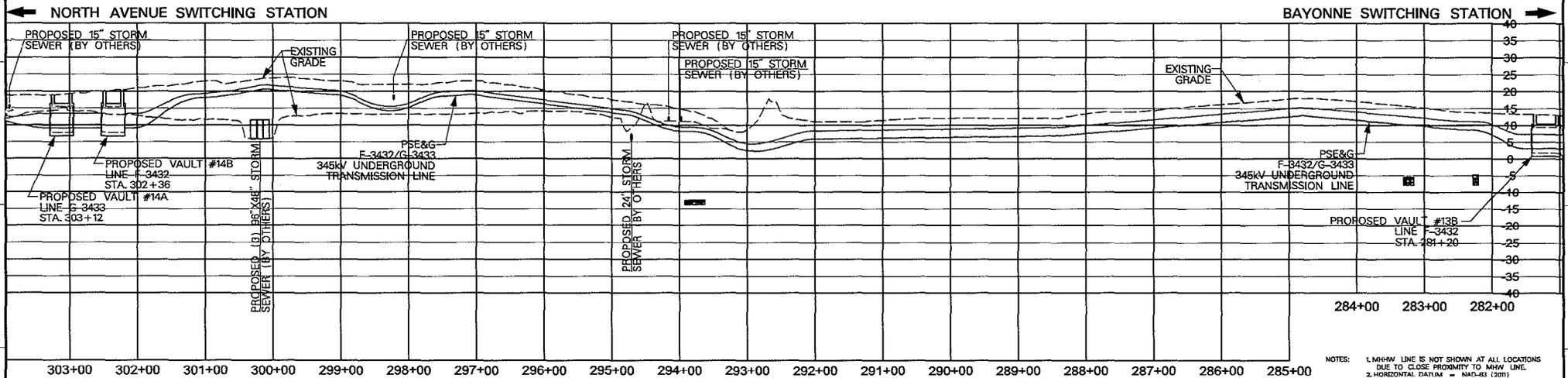
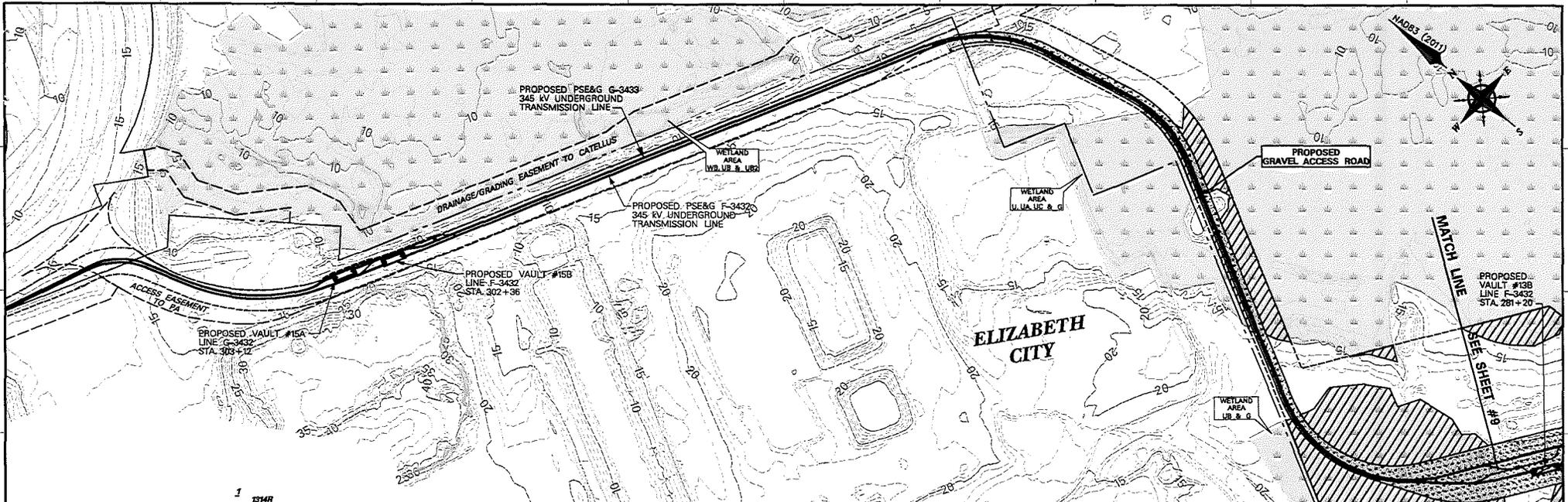
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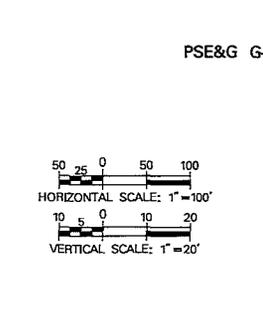
ACOE PERMIT PLAN

DRAWN: MLL/CDK CHECKED: MJP SCALE: AS SHOWN
DATE: 7-13-2015 EXAMINED: SKL AUTH: PJ-13201



LEGEND

	EXISTING STRUCTURE TO BE REMOVED (SEE REFERENCE #3)		WETLAND BOUNDARY (SEE REFERENCE #3 & NOTE #2)
	EXISTING STRUCTURE TO REMAIN		WETLAND BOUNDARY (SEE REFERENCE #4 & NOTE #2)
	PROPOSED STRUCTURE LOCATION		APPROXIMATE WETLAND (SEE REFERENCE #6)
	PROPOSED U/L TRANSMISSION LINE VAULT AND MANHOLE		OPEN WATER BOUNDARY (SEE REFERENCE #1)
	PROPOSED OVERHEAD CONDUCTOR ALIGNMENT		MEAN HIGH WATER LINE
	PROPOSED UNDERGROUND TRANSMISSION LINE		MEAN HIGHER HIGH WATER LINE
	PROPOSED TEMPORARY ACCESS ROAD AND LAYDOWN AREA		MINOR CONTOUR (SEE REFERENCE #1)
	LIMIT OF DISTURBANCE		SPOT ELEVATION (SEE REFERENCE #1)
	STATION BOUNDARY		PERMANENT FILL OR GRAVEL AREA
	EXISTING RIGHT OF WAY (EASEMENT & FEE)		MATTED WETLAND AREA IMPACT
	MUNICIPAL LINE		
	TAX BLOCK LINE		
	TAX LOT LINE		



PROFILE VIEW
PSE&G G-3433/F-3432 345kV UNDERGROUND TRANSMISSION LINE

NO.	WATERWAY CROSSING	WETLAND AREA	STATION LOD, TOWERS & VAULTS	ABOVE MEAN HIGH WATER LINE		BELOW MEAN HIGH WATER LINE	
				PERMANENT DISTURBANCE	TEMPORARY DISTURBANCE	PERMANENT DISTURBANCE	TEMPORARY DISTURBANCE
6	NEWARK BAY TRIBUTARY WETLANDS	NA	VAULT #15A, #15B & HANDHOLE	NA	NA	NA	NA
		U, U/L, UB, UC & G	VAULT #13A, #13B & PERMANENT GRAVEL	18,885 SF 0.434 Ac	NA	83,601 SF 1.919 Ac	NA

NOTES: 1. MHW LINE IS NOT SHOWN AT ALL LOCATIONS DUE TO CLOSE PROXIMITY TO MHW LINE.
2. HORIZONTAL DATUM = NAD83 (2011)
VERTICAL DATUM = NAVD83

NO.	DATE	REVISION	DRN	CHK
2	1/6/16	REVISED PER ACCE COMMENTS	HLL	CDK
1	10/9/15	UNDERGROUND ROUTE, ACCESS LOD & WETLAND AREA	LSC	CDK

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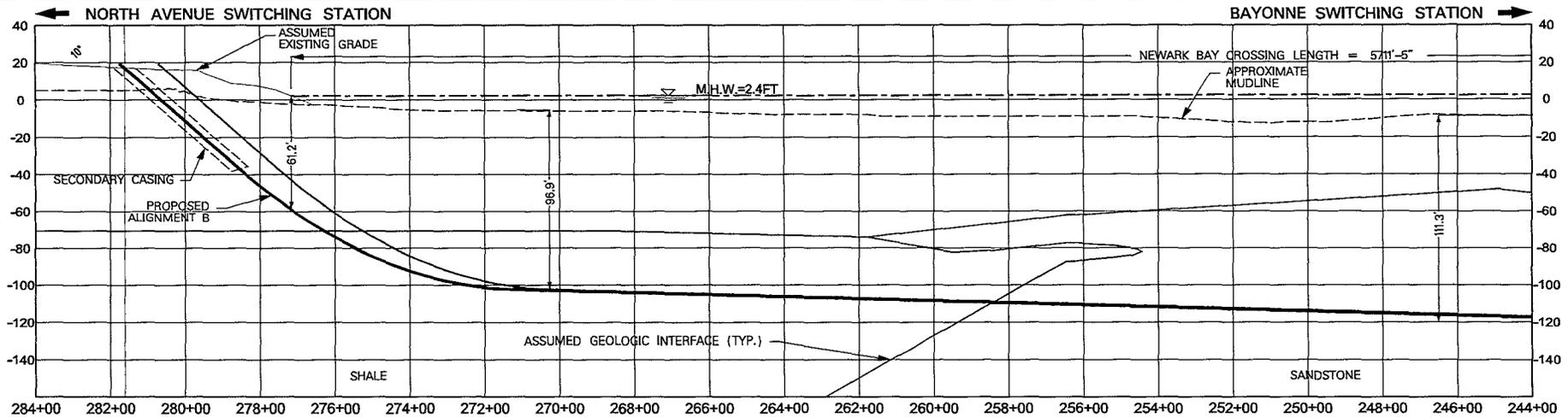
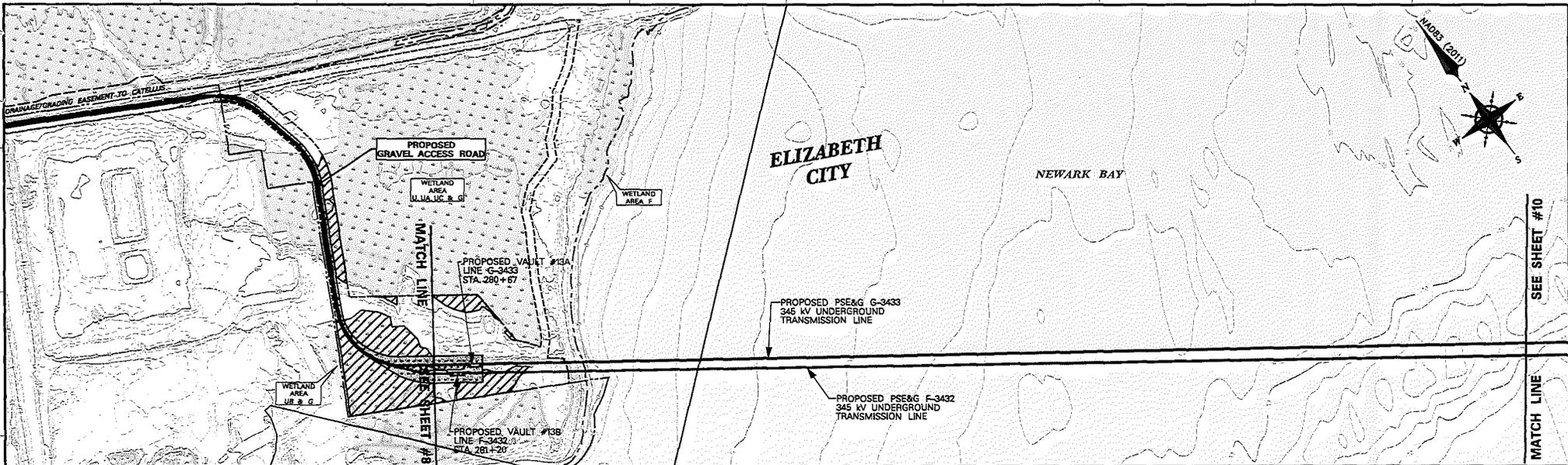
BERGEN-LINDEN
CORRIDOR PROJECT
LINDEN-BAYWAY OVERHEAD (PHASE 2)
AND
BAYWAY/BAYONNE UNDERGROUND (PHASE 3)

ELIZABETH CITY UNION CO., N.J.

ACOE PERMIT PLAN

DRAWN: HUL/CDK CHECKED: JLP SCALE: AS SHOWN
DATE: 7-13-2015 EXAMINED: SPK AUTH: PJ-13081

Figure 9 of 21



PROFILE VIEW
PSE&G G-3433/F-3432 345KV UNDERGROUND TRANSMISSION LINE

NOTES: 1. M.H.W. LINE IS NOT SHOWN AT ALL LOCATIONS DUE TO CLOSE PROXIMITY TO M.H.W. LINE.
2. HORIZONTAL DATUM = NAD-83 (2011)
VERTICAL DATUM = NAVD-88

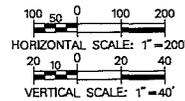
NO.	DATE	REVISION	DESCRIPTION	BY	CHK
2	1/6/16		REVISED PER ACOE COMMENTS		
1	10/9/15		UNDERGROUND ROUTE, ACCESS LOD & WETLAND AREA	LSC	CDK

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Phone : (973) 430-7000

LEGEND

	- EXISTING STRUCTURE TO BE REMOVED		- WETLAND BOUNDARY (SEE REFERENCE #3 & NOTE #2)
	- EXISTING STRUCTURE TO REMAIN		- WETLAND BOUNDARY (SEE REFERENCE #4 & NOTE #2)
	- PROPOSED STRUCTURE LOCATION		- APPROXIMATE WETLAND (SEE REFERENCE #5)
	- PROPOSED U.G. TRANSMISSION LINE VAULT AND MANHOLE		- OPEN WATER BOUNDARY
	- PROPOSED OVERHEAD CONDUCTOR ALIGNMENT		- MEAN HIGH WATER LINE
	- PROPOSED UNDERGROUND TRANSMISSION LINE		- MAJOR CONTOUR (SEE REFERENCE #1)
	- PROPOSED TEMPORARY ACCESS ROAD AND LAYDOWN AREA LIMIT OF DISTURBANCE		- MINOR CONTOUR (SEE REFERENCE #1)
	- STATION BOUNDARY		- SPOT ELEVATION (SEE REFERENCE #1)
	- EXISTING RIGHT OF WAY (EASEMENT & FEE)		- PERMANENT FILL OR GRAVEL AREA
	- MUNICIPAL LINE		- MATTED WETLAND AREA IMPACT
	- TAX BLOCK LINE		
	- TAX LOT LINE		



NO.	WATERWAY CROSSING	WETLAND AREA	STATION LOD, TOWERS & VAULTS	ABOVE MEAN HIGH WATER LINE		BELOW MEAN HIGH WATER LINE	
				PERMANENT DISTURBANCE	TEMPORARY DISTURBANCE	PERMANENT DISTURBANCE	TEMPORARY DISTURBANCE
				WETLANDS	WATERS	WETLANDS	WATERS
6	NEWARK BAY TRIBUTARY WETLANDS	U, UA, UB, UG & G	VAULT #13A, #13B & PERMANENT GRAVEL	18,885 SF 0.434 Ac	NA	83,601 SF 1.919 Ac	NA

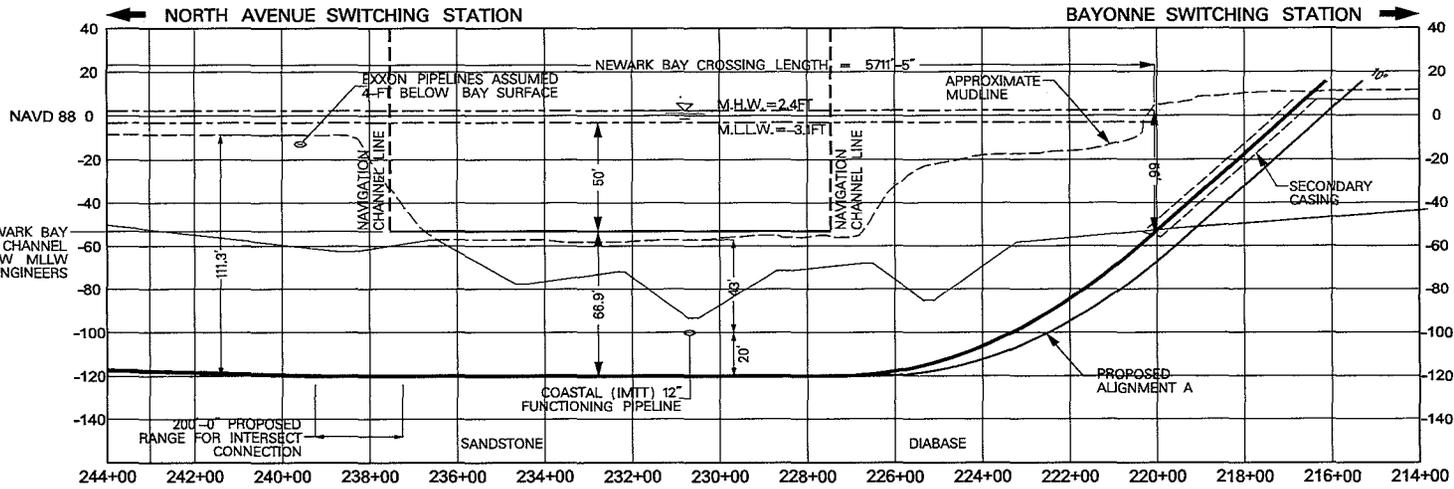
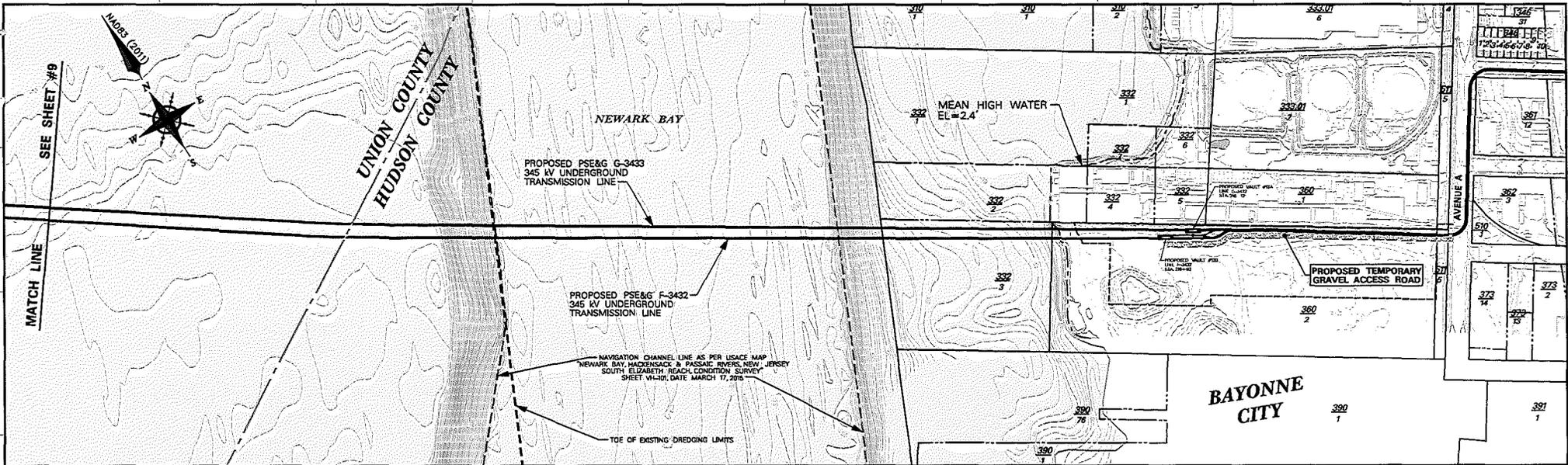
BERGEN-LINDEN CORRIDOR PROJECT
LINDEN-BAYWAY OVERHEAD (PHASE 2)
AND
BAYWAY/BAYONNE UNDERGROUND (PHASE 3)

ACOE PERMIT PLAN

ELIZABETH CITY UNION CO., N.J.

DRAWN: HUL/OPK CHECKED: MJP SCALE: AS SHOWN
DATE: 7-13-2015 EXAMINED: SPK AUTH: PJ-13081

Figure 10 of 21

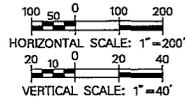


PROFILE VIEW
PSE&G G-3433/F-3432 345KV UNDERGROUND TRANSMISSION LINE

NOTES: 1. M.H.W. LINE IS NOT SHOWN AT ALL LOCATIONS DUE TO CLOSE PROXIMITY TO M.H.W. LINE.
2. HORIZONTAL DATUM = NAD-83 (2011)
VERTICAL DATUM = NAVD-88

LEGEND

<ul style="list-style-type: none"> EXISTING STRUCTURE TO BE REMOVED EXISTING STRUCTURE TO REMAIN PROPOSED STRUCTURE LOCATION PROPOSED U.G. TRANSMISSION LINE VAULT AND MANHOLE PROPOSED OVERHEAD CONDUCTOR ALIGNMENT PROPOSED UNDERGROUND TRANSMISSION LINE PROPOSED TEMPORARY ACCESS ROAD AND LAYDOWN AREA LIMIT OF DISTURBANCE STATION BOUNDARY EXISTING RIGHT OF WAY (EASEMENT & FEE) MUNICIPAL LINE TAX BLOCK LINE TAX LOT LINE 	<ul style="list-style-type: none"> WETLAND BOUNDARY (SEE REFERENCE #3 & NOTE #2) WETLAND BOUNDARY (SEE REFERENCE #4 & NOTE #2) APPROXIMATE WETLAND (SEE REFERENCE #5) OPEN WATER BOUNDARY (SEE REFERENCE #6) MEAN HIGH WATER LINE MAJOR CONTOUR (SEE REFERENCE #1) MINOR CONTOUR (SEE REFERENCE #1) SPOT ELEVATION (SEE REFERENCE #1) PERMANENT FILL OR GRAVEL AREA MATTED WETLAND AREA IMPACT
---	--



NO.	WATERWAY CROSSING	WETLAND AREA	STATION LOD, TOWERS & VAULTS	ABOVE MEAN HIGH WATER LINE		BELOW MEAN HIGH WATER LINE	
				PERMANENT DISTURBANCE	TEMPORARY DISTURBANCE	PERMANENT DISTURBANCE	TEMPORARY DISTURBANCE
				WETLANDS	WATERS	WETLANDS	WATERS
7	NEWARK BAY CROSSING	NA	VAULT #12A, #12B & HANDHOLE	NA	NA	NA	NA

NO.	DATE	REVISION	DESCRIPTION	BY	CHK
2	1/6/16		REVISED PER ACOE COMMENTS	LSC	CDK
1	10/9/15		UNDERGROUND ROUTE, ACCESS LOD & WETLAND AREA	LSC	CDK

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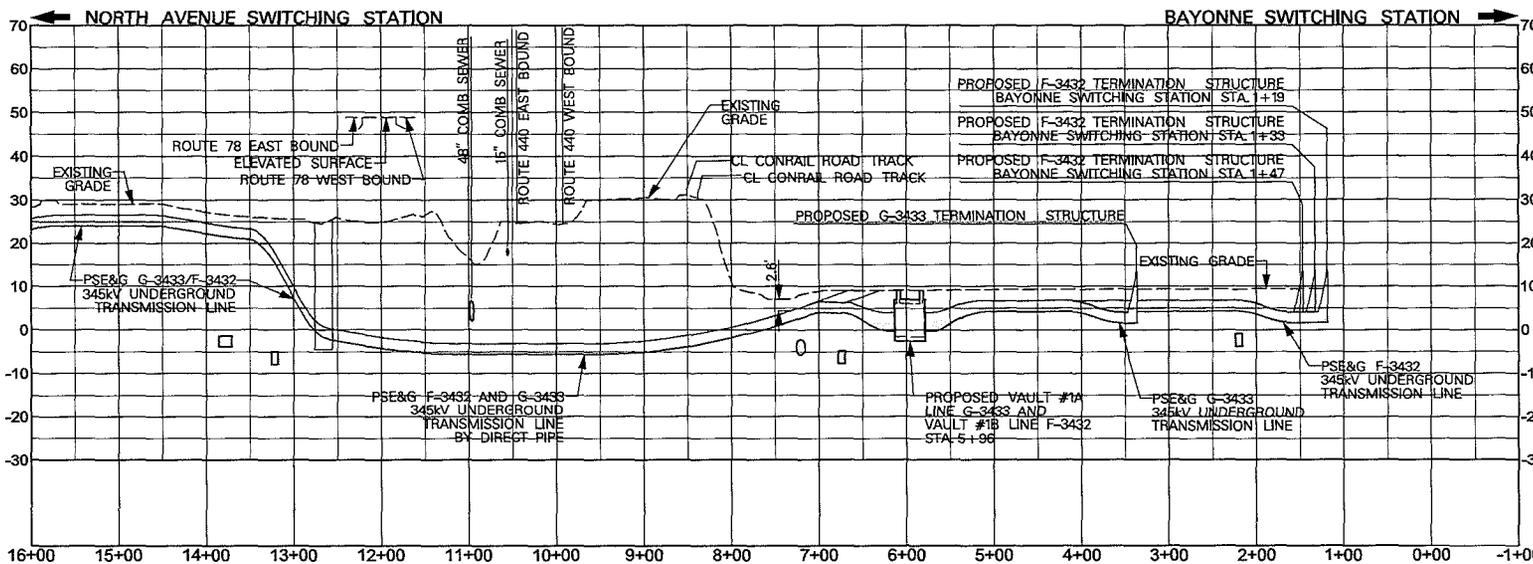
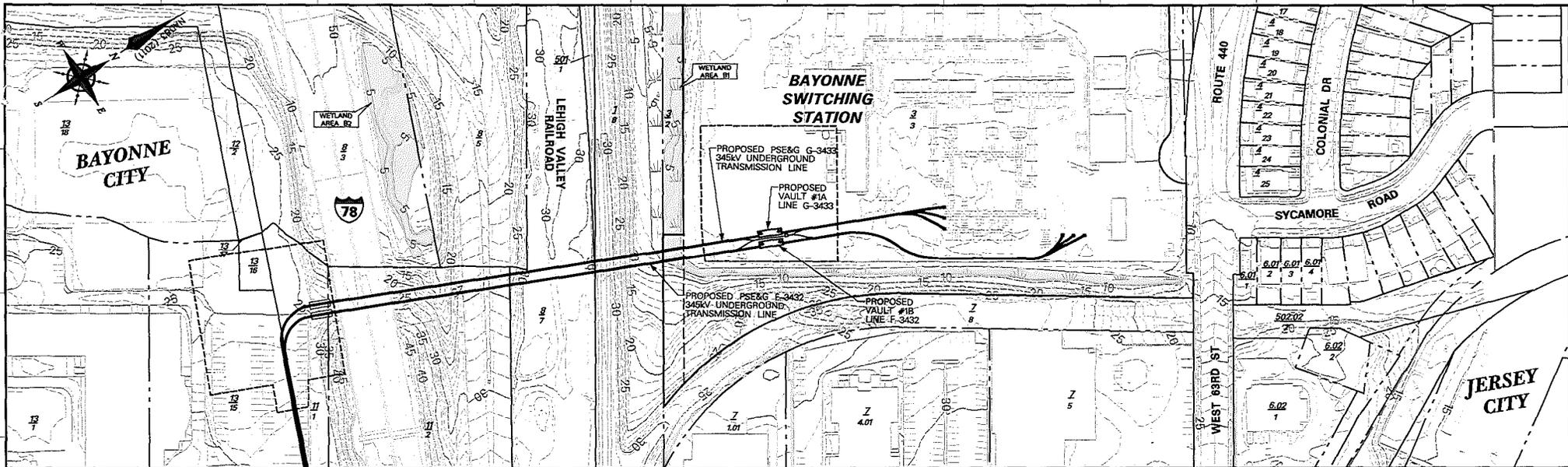
BERGEN-LINDEN CORRIDOR PROJECT
LINDEN-BAYWAY OVERHEAD (PHASE 2)
AND
BAYWAY/BAYONNE UNDERGROUND (PHASE 3)

BAYONNE CITY HUDSON CO., N.J.

ACOE PERMIT PLAN

DRAWN: HUL/CDK CHECKED: HJC SCALE: AS SHOWN
DATE: 7-13-2015 EXAMINED: SPK AUTH: PJ-1/15/08

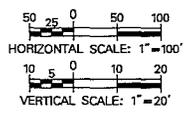
Figure 11 of 21



PROFILE VIEW
PSE&G F-3432 & G-3433 345kV UNDERGROUND TRANSMISSION LINES

LEGEND

	EXISTING STRUCTURE TO BE REMOVED		WETLAND BOUNDARY (SEE REFERENCE #3 & NOTE #2)
	EXISTING STRUCTURE TO REMAIN		WETLAND BOUNDARY (SEE REFERENCE #4 & NOTE #2)
	PROPOSED STRUCTURE LOCATION		APPROXIMATE WETLAND (SEE REFERENCE #5)
	PROPOSED U.G. TRANSMISSION LINE VAULT AND MANHOLE		OPEN WATER BOUNDARY
	PROPOSED OVERHEAD CONDUCTOR ALIGNMENT		MEAN HIGH WATER LINE
	PROPOSED UNDERGROUND TRANSMISSION LINE		MEAN HIGHER HIGH WATER LINE
	PROPOSED TEMPORARY ACCESS ROAD AND LAYDOWN AREA		MAJOR CONTOUR (SEE REFERENCE #1)
	LIMIT OF DISTURBANCE		MINOR CONTOUR (SEE REFERENCE #1)
	STATION BOUNDARY		SPOT ELEVATION (SEE REFERENCE #1)
	EXISTING RIGHT OF WAY (EASEMENT & FEE)		PERMANENT FILL OR GRAVE AREA
	MUNICIPAL LINE		MATTED WETLAND AREA IMPACT
	TAX BLOCK LINE		
	TAX LOT LINE		



NO.	WATERWAY CROSSING	WETLAND AREA	STATION LOD, TOWERS & VAULTS	ABOVE MEAN HIGH WATER LINE		BELOW MEAN HIGH WATER LINE	
				PERMANENT DISTURBANCE		PERMANENT DISTURBANCE	
				WETLANDS	WATERS	WETLANDS	WATERS
8	UNNAMED TIDAL DITCH/NEWARK BAY TRIBUTARY	NA	VAULT #1A, #1B & HANDHOLE	NA	NA	NA	NA

NOTES: 1. MEHW LINE IS NOT SHOWN AT ALL LOCATIONS DUE TO CLOSE PROXIMITY TO MAHW LINE.
2. HORIZONTAL DATUM = NAD-83 (2011)
VERTICAL DATUM = NAVD-88

NO.	DATE	DESCRIPTION	BY	CHK
2	1/6/16	REVISED PER ACE COMMENTS		
1	10/9/15	UNDERGROUND ROUTE, ACCESS LOD & WETLAND AREA	LSC	CKX

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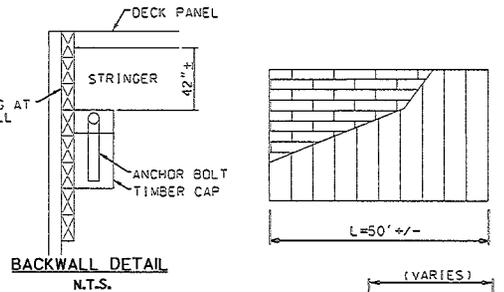
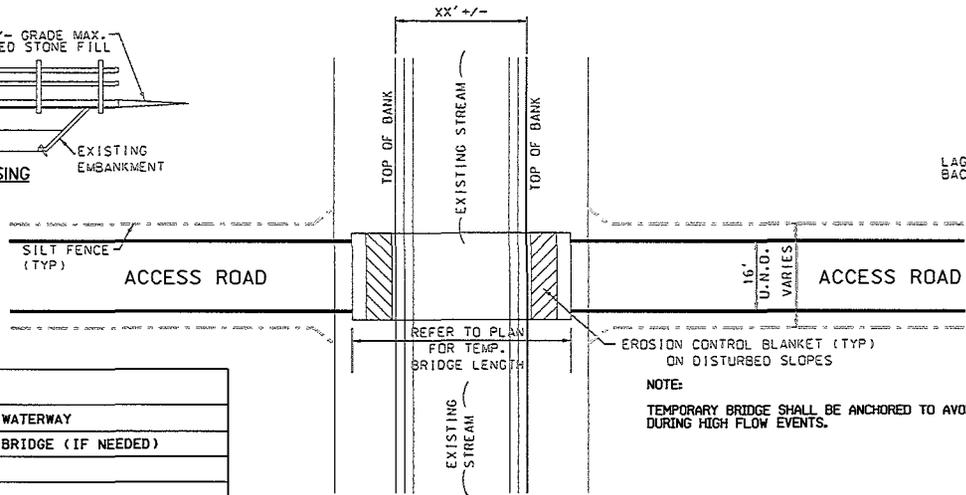
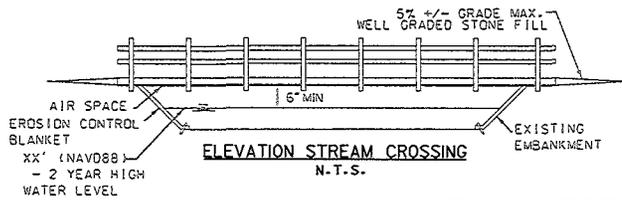
BERGEN-LINDEN CORRIDOR PROJECT
LINDEN-BAYWAY OVERHEAD (PHASE 2)
AND
BAYWAY/BAYONNE UNDERGROUND (PHASE 3)

JERSEY CITY
BAYONNE CITY

ACOE PERMIT PLAN

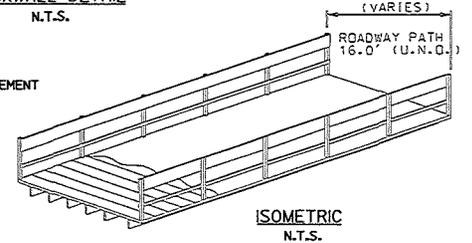
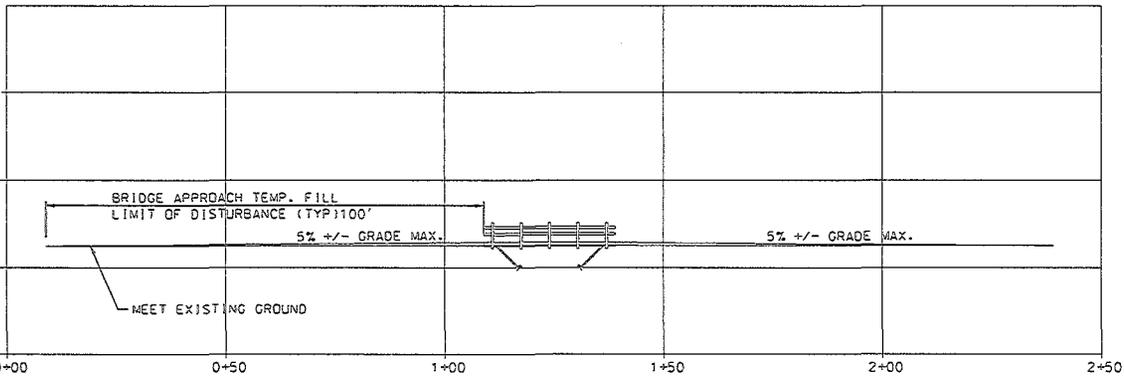
DRAWN: MULLOCK CHECKED: HUP SCALE: AS SHOWN
DATE: 7-13-2015 EXAMINED: SCK AUTH: PJ-13081

Figure 12 of 21

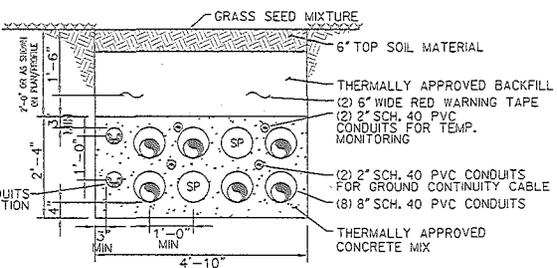
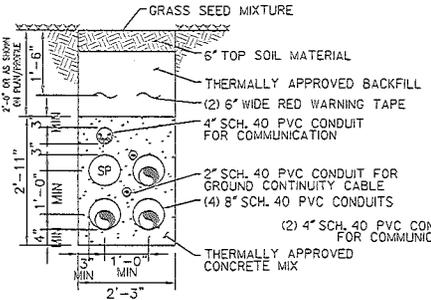


BRIDGE#	SHEET	REMARKS
1	37	REPLACE/OVER EXISTING WATERWAY
2	36	REPLACE/OVER EXISTING BRIDGE (IF NEEDED)

TEMPORARY BRIDGE TABLE



- NOTES:**
1. ALL CONSTRUCTION WILL COMPLY WITH DISTRICT SOIL EROSION AND SEDIMENT CONTROL STANDARDS TO INCLUDE TEMPORARY AND PERMANENT VEGETATION.
 2. TEMPORARY BRIDGE AND CULVERT RELIEF ARE INTENDED TO MINIMIZE DISTURBANCE TO SENSITIVE AREAS.
 3. WHEN CONDITIONS DICTATE, DECK MATS WILL BE UTILIZED AT UNDERSTRENGTH CULVERT LOCATIONS.
 4. BRIDGE SHALL BE DESIGNED BY THE CONTRACTOR FOR HS25 HIGHWAY LOADS (U.N.O.).



2	1/6/16	REVISED PER ACCE COMMENTS	HUL	CCR
1	10/9/15	UNDERGROUND ROUTE, ACCESS LOD & WETLAND AREA	LSC	CCR
NO	DATE	DESCRIPTION	DRW	CHKD
REVISION				

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Newark, N.J. 07102-4184
Phone : (973) 430-7000

BERGEN-LINDEN
CORRIDOR PROJECT
LINDEN-BAYWAY OVERHEAD (PHASE 2)
AND
BAYWAY/BAYONNE UNDERGROUND (PHASE 3)
ACOE PERMIT PLAN

DRAWN: HUL/CCR CHECKED: JJP SCALE: AS SHOWN
DATE: 7-15-2016 EXAMINED: SCB AUTH: DT/1/15/2017

Figure 13 of 21

NO.	WATERWAY CROSSING	WETLAND AREA	STATION LOD, TOWERS & VAULTS	ABOVE MEAN HIGH WATER LINE				BELOW MEAN HIGH WATER LINE			
				PERMANENT DISTURBANCE		TEMPORARY DISTURBANCE		PERMANENT DISTURBANCE		TEMPORARY DISTURBANCE	
				WETLANDS	WATERS	WETLANDS	WATERS	WETLANDS	WATERS	WETLANDS	WATERS
1	MORSES CREEK AND TRIBUTARIES	NA	LINDEN A-FRAME	NA	NA	NA	NA	NA	NA	NA	NA
		NA	S-L-BA 6/6-1	NA	NA	NA	NA	NA	NA	NA	NA
		W1 & LBE	S-L-BA 7/1-1A	154 SF 0.004 Ac	NA	29,252 SF 0.649 Ac	NA	NA	NA	622 SF 0.014 Ac	NA
		W1 & LBE	S-L-BA 7/1-1B	154 SF 0.004 Ac	NA	NA	NA	NA	NA	NA	NA
		NA	S-L-BA 7/2-1	NA	NA	NA	NA	NA	NA	NA	NA
		I & J	S-L-BA 7/3-1	NA	NA	4,508 SF 0.103 Ac	NA	NA	NA	NA	NA
		I & J	S-L-BA 7/4-1	NA	NA	20,827 SF 0.478 Ac	NA	NA	NA	NA	NA
		I & J	S-L-BA 7/5-1	NA	NA	19,375 SF 0.445 Ac	NA	NA	NA	276 SF 0.006 Ac	1,098 SF 0.025 Ac
2	ELIZABETH RIVER TRIBUTARY WETLANDS	NA	S-L-BA 8/1-1	NA	NA	NA	NA	NA	NA	NA	NA
		LBM & LBL	S-L-BA 8/2-1	NA	NA	12,534 SF 0.288 Ac	NA	NA	NA	NA	NA
		NA	S-L-BA 8/3-1A	NA	NA	NA	NA	NA	NA	NA	NA
		NA	S-L-BA 8/3-1B	NA	NA	NA	NA	NA	NA	NA	NA
		NA	BAYWAY A-FRAME	NA	NA	NA	NA	NA	NA	NA	NA
1	MORSES CREEK AND TRIBUTARIES	NUT	X-1323 TEMP	NA	NA	4,199 SF 0.096 Ac	NA	NA	NA	NA	NA
		NA	LINDEN A-FRAME	NA	NA	NA	NA	NA	NA	NA	NA
		NA	L-BA 1/1A	NA	NA	NA	NA	NA	NA	NA	NA
		LBB	L-BA 1/1-1A	154 SF 0.004 Ac	NA	13,907 SF 0.319 Ac	NA	NA	NA	NA	NA
		LBB	L-BA 1/1-1B	154 SF 0.004 Ac	NA	NA	NA	NA	NA	NA	NA
		L	L-BA 1/2-1	154 SF 0.004 Ac	NA	13,069 SF 0.300 Ac	NA	NA	NA	NA	NA
		NA	L-BA 1/3-1	NA	NA	NA	NA	NA	NA	NA	NA
		NA	L-BA 1/4-1	NA	NA	NA	NA	NA	NA	NA	NA
		LBG, LBH, LBF & LBC	OTHER AREAS LINDEN STATION	NA	NA	3,860 SF 0.089 Ac	NA	NA	NA	952 SF 0.022 Ac	NA
		NA	L-BA 1/5-1	NA	NA	NA	NA	NA	NA	NA	NA
		K	L-BA 1/6-1A	NA	NA	15 SF 0.000 Ac	NA	NA	NA	NA	NA
		K	L-BA 1/6-1B	NA	NA	NA	NA	NA	NA	NA	NA
		NA	L-BA 2/1-1	NA	NA	NA	NA	NA	NA	NA	NA
		2	ELIZABETH RIVER TRIBUTARY WETLANDS	NA	L-BA 2/2-1	NA	NA	NA	NA	NA	NA
NA	L-BA 2/4-1A			NA	NA	NA	NA	NA	NA	NA	NA
NA	L-BA 2/4-1B			NA	NA	NA	NA	NA	NA	NA	NA
NA	BAYWAY A-FRAME			NA	NA	NA	NA	NA	NA	NA	NA
3	ELIZABETH RIVER 1	NA	BAYWAY A-FRAME	NA	NA	NA	NA	NA	NA	NA	NA
		W1-8 & D1-5	BA-BY 1/1	NA	NA	898 SF 0.021 Ac	NA	NA	NA	NA	NA
		NA	BA-BY 1/2	NA	NA	NA	NA	NA	NA	NA	NA
4	ELIZABETH RIVER 2	NA	BA-BY 1/3	NA	NA	NA	NA	NA	NA	NA	NA
		NA	VAULT #2 & HANDHOLE	NA	NA	NA	NA	NA	NA	NA	NA
		NA	VAULT #15A, #15B & HANDHOLE	NA	NA	NA	NA	NA	NA	NA	NA
		U, UA, UB, UC & G	VAULT #13A, #13B & PERMANENT GRAVEL	19,885 SF 0.434 Ac	NA	83,601 SF 1.979 Ac	NA	NA	NA	NA	NA
		NA	VAULT #12A, #12B & HANDHOLE	NA	NA	NA	NA	NA	NA	NA	NA
		NA	VAULT #1A, #1B & HANDHOLE	NA	NA	NA	NA	NA	NA	NA	NA
		NA	VAULT #1A, #1B & HANDHOLE	NA	NA	NA	NA	NA	NA	NA	NA
		NA	VAULT #1A, #1B & HANDHOLE	NA	NA	NA	NA	NA	NA	NA	NA
		NA	VAULT #1A, #1B & HANDHOLE	NA	NA	NA	NA	NA	NA	NA	NA
		NA	VAULT #1A, #1B & HANDHOLE	NA	NA	NA	NA	NA	NA	NA	NA
		NA	VAULT #1A, #1B & HANDHOLE	NA	NA	NA	NA	NA	NA	NA	NA
		NA	VAULT #1A, #1B & HANDHOLE	NA	NA	NA	NA	NA	NA	NA	NA
		NA	VAULT #1A, #1B & HANDHOLE	NA	NA	NA	NA	NA	NA	NA	NA
		NA	VAULT #1A, #1B & HANDHOLE	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL				30,980 SF 0.711 Ac	48,259 SF 1.108 Ac	205,045 SF 4.707 Ac	0 SF 0.000 Ac	0 SF 0.000 Ac	0 SF 0.000 Ac	1,850 SF 0.042 Ac	1,098 SF 0.025 Ac

2	1/5/16	REVISED PER ACCE COMMENTS	HIL	CKK
1	10/9/15	UNDERGROUND ROUTE, ACCESS LOD & WETLAND AREA	LSC	CKK
NO.	DATE	DESCRIPTION	OWN	CHK
REVISION				
				
BERGEN-LINDEN CORRIDOR PROJECT LINDEN-BAYWAY OVERHEAD (PHASE 2) AND BAYWAY/BAYONNE UNDERGROUND (PHASE 3) ACOE PERMIT PLAN				
<small>Copyright © 2016 by OPSEG Services Corporation Group 2016</small> OPSEG <small>CORPORATE HEADQUARTERS</small> Services Corporation 80 Park Plaza Newark, N.J. 07102-4184 Phone : (973) 430-7000				
DRAWN	HIL/CKK	CHECKED	MJP	SCALE AS SHOWN
DATE	7/3/2015	EXAMINED	SCG	AUTH P7/13/2015

**HUDSON ESSEX PASSAIC SOIL CONSERVATION DISTRICT
SOIL EROSION AND SEDIMENT CONTROL NOTES**

- All soil erosion and sediment control practices on this plan will be constructed in accordance with the "New Jersey Standards for Soil Erosion and Sediment Control" 7th Edition last revised January 2014. These measures will be installed prior to any major soil disturbance or in their proper sequence and maintained until permanent protection is established.
- All soil to be exposed or stockpiled for a period of greater than 14 days, and not under active construction, will be temporarily seeded and hay mulched or otherwise provided with vegetative cover. This temporary cover shall be maintained until such time whereby permanent stabilization is established.
- Seeding Dates:** The following seeding dates are best recommended to establish permanent vegetative cover within most locations in the HEPCSD: Spring - 3/1-5/15 and Fall - 8/15 - 10/1
- Sediment fences are to be properly trenched and maintained until permanent vegetative cover is established
- All storm drainage inlets shall be protected by one of the practices accepted in the Standards, and protection shall remain until permanent stabilization has been established. Storm drainage outlet points shall be protected as required before they become functional.
- Mulch materials shall be un-rotted small grain straw applied at the rate of 70 to 90 pounds per 1,000 square feet and anchored with a mulch anchoring tool, liquid mulch binders, or netting tie down. Other suitable materials may be used if approved by the Soil Conservation District.
- All erosion control devices shall be periodically inspected, maintained and corrected by the contractor. Any damage incurred by erosion shall be rectified immediately.
- The Hudson-Essex-Passaic Soil Conservation District will be notified in writing at least 48 hours prior to any soil disturbing activities. Fax - (973) 364-0784 OR email - INFORMATION@HEPCSD.ORG
- The applicant must obtain a District issued Report-of-Compliance prior to applying for the Certificate of Occupancy or Temporary Certificate of Occupancy from the respective municipality. NJ - DCA or any other controlling agency. Contact the District at 973-364-0786 to request a Final Inspection, giving advanced notice upon completion of the stabilization measures. A performance deposit may be posted with the District when winter weather or snow cover prohibits the proper application of seed, mulch, fertilizer or hydro-seed.
- Paved roadways must be kept clean at all times. Do not utilize a fire or garden hose to clean roads unless the runoff is directed to a properly designed and functioning sediment basin. Water pumped out of the excavated areas contains sediments that must be removed prior to discharging to receiving bodies of water using removable pumping stations, sump pits, portable sedimentation tanks and/or silt control bags.
- All surfaces having lawn or landscaping as final cover are to be provided topsoil prior to re-seeding, sodding or planting. A depth of 5 inches (unsettled) is recommended.
- All plan revisions must be submitted to the District for proper review and approval.
- A crushed stone wheel cleaning tracking-pad is to be installed at all site exits using 2 1/2" - 1" crushed angular stone (ASTM 2 or 3) to a minimum length of 50 feet and minimum depth of 6". All driveways must be provided with crushed stone until paving is complete.
- Steep slopes incurring disturbance may require additional stabilization measures. These "special" measures shall be designed by the applicant's engineer and be approved by the Soil Conservation District.
- The Hudson-Essex-Passaic Soil Conservation District shall be notified in writing for the sale of any portion of the project or for the sale of individual lots. New owners' information shall be provided. Additional measures deemed necessary by District officials shall be implemented as conditions warrant.

SEQUENCE OF CONSTRUCTION

- INSTALL INLET FILTERS DOWNSTREAM OF WORK ZONE, AND TO THE FIRST INTERSECTION UPSTREAM OF THE WORK ZONE.
- INSTALL SILT FENCE WHERE CALLED FOR ON THE PLANS.
- SAWCUT PAVEMENT AND EXCAVATE TRENCH FOR CONDUIT AND MANHOLES.
- INSTALL CONDUIT DUCT SYSTEM AND MANHOLES.
- PLACE BACKFILL AND REPAIR PAVEMENT.
- REMOVE INLET FILTERS AND SILT FENCE.

**SOMERSET - UNION COUNTY SOIL CONSERVATION DISTRICT
SOIL EROSION AND SEDIMENT CONTROL NOTES**

- The Somerset-Union Soil Conservation District shall be notified in writing 48 hours in advance of any land disturbing activity.
- All Soil Erosion and Sediment Control practices shall be installed prior to any major soil disturbances, or in their proper sequence and maintained until permanent protection is established.
- Any Disturbed areas that will be left exposed more than 30 Days and not subject to construction traffic, will immediately receive a temporary seeding. If the season prevents the establishment of a temporary cover, the disturbed areas will be mulched with straw, or equivalent material, at a rate of two (2) tons per acre, according to NJ State Standards
- Permanent Vegetation shall be seeded or sodded on all exposed areas within ten (10) days after final grading. Mulch will be used for protection until seeding is established
- All work shall be done in accordance with the NJ State Standards for Soil Erosion and Sediment Control in New Jersey.
- A sub-base course will be applied immediately following rough grading and installation of improvements in order to stabilize streets, roads, driveways and parking areas. In areas where no utilities are present, the sub-base shall be installed within 15 days or preliminary grading.
- Immediately following initial disturbance or rough grading all critical areas subject to erosion (i.e.: steep slopes, roadway embankments) will receive a temporary seeding in combination with straw mulch or a suitable equivalent, at a rate of two (2) tons per acre, according to the NJ State Standards.
- Any steep slopes receiving pipeline installation will be backfilled and stabilized daily, as the installation proceeds (i.e.: slopes greater than 3:1)
- Traffic control Standards require the installation of a 50"x30"x6" pad of 1 1/2" or 2" stone, at all construction driveways, immediately after initial site disturbance.
- At the time when the site preparation for permanent vegetative stabilization is going to be accomplished, any soil that will not provide a suitable environment to support adequate vegetative ground cover, shall be removed or treated in such a way that will permanently adjust the soil conditions and render it suitable for vegetative ground cover. If the removal or treatment of the soil will not provide suitable conditions, non-vegetative means of permanent ground stabilization will have to be employed.
- In that NJSA 4:24-39 et seq., requires that no Certificate of Occupancy be issued before the provisions of the Certified Plan for Soil Erosion and Sediment Control have been complied with for permanent measures, all site work for site plans and all work around individual lots in subdivisions, will have to be completed prior to the District issuing a Report of Compliance for the issuance of a Certificate of Occupancy by the Municipality.
- Conduit Outlet Protection must be installed at all required outfalls prior to the drainage system becoming operational.
- Any changes to the Certified Soil Erosion and Sediment Control Plan will require the submission of revised Soil Erosion and Sediment Control Plans to the District for re-certification. The revised plans must meet all current NJ State Soil Erosion & Sediment Control Standards.
- The Somerset-Union Soil Conservation District shall be notified of any changes in ownership.
- Mulching to the NJ Standards is required for obtaining a Conditional Report of Compliance. Conditionals are only issued when the season prohibits seeding.
- Contractor is responsible for keeping all adjacent roads clean during life of construction project.
- The developer shall be responsible for remediating any erosion or sediment problems that arise as a result of ongoing construction at the request of the Somerset-Union Soil Conservation District.
- Hydro seeding is a two-step process. The first step includes seed, fertilizer, lime, etc., along with minimal amounts of mulch to promote consistency, good seed to soil contact, and give a visual indication of coverage. Upon completion of seeding operation, hydro-mulch should be applied at a rate of 1500 lbs. per acre in second step. The use of hydro-mulch, as opposed to straw, is limited to optimum seeding dates as listed in the NJ Standards.
- Unfiltered dewatering is not permitted. Necessary precautions must be taken during all dewatering operations to minimize soil transfer. Any dewatering methods used must be in accordance with the Standard for Dewatering.

NOTES:

- MAPPING IS BASED ON THE NJ STATE PLANE COORDINATE SYSTEM. HORIZONTAL DATUM = NAD-83 (2011) VERTICAL DATUM = NAVD-88 UNITS = U.S. SURVEY FEET PROJECT COMBINED GRID SCALE FACTOR = 0.999991913 NAVD88 ELEVATION = NGVD29 ELEVATION - 1.14ft.
- PLANS HAVE BEEN PREPARED IN ACCORDANCE WITH NEW JERSEY FRESHWATER WETLANDS PROTECTION ACT RULES AT NJAC 7:2A-1.1 ET. SEQ.
- ONLY PSE&G LAND RIGHTS HAVE BEEN SURVEYED. ADJOINING TAX LOT LOCATIONS ARE APPROXIMATE AND ARE SHOWN FOR REFERENCE ONLY.
- THE STATE OF NEW JERSEY HAS DETERMINED THAT ALL OR A PORTION OF THIS LOT LIES IN A FLOOD HAZARD AREA. CERTAIN ACTIVITIES IN FLOOD HAZARD AREAS ARE REGULATED BY THE NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION AND SOME ACTIVITIES MAY BE PROHIBITED ON THIS SITE OR MAY FIRST REQUIRE A PERMIT. CONTACT THE DIVISION OF LAND USE REGULATION AT (609) 777-0454 FOR MORE INFORMATION PRIOR TO ANY CONSTRUCTION ONSITE.
- THE ABOVE WATERWAY CROSSING DISTANCES ARE MEASURED ALONG THE CONDUCTOR ALIGNMENT NOT NECESSARILY PERPENDICULAR TO THE WATERWAY.

REFERENCES:

- PHOTOGRAMMETRIC SURVEY PROVIDED BY ROBINSON AERIAL SURVEYS, INC., HACKETTSTOWN, NEW JERSEY, DATED APRIL, 2014.
- RIGHT OF WAY INFORMATION BASED ON SURVEYS PREPARED THROUGH SEPTEMBER 2014, BY FRALINGER ENGINEERING, BRIDGETON, NJ AND DRESNER ROBIN, FAIRFIELD, NJ.
- WETLANDS SHOWN HEREON WERE DELINEATED BY ECOLSCIENCES, INC., ROCKAWAY, NJ AND LOCATED EITHER BY FRALINGER ENGINEERING, BRIDGETON, NJ ON MARCH 31, 2014, JUNE 19, 2014 AND SEPTEMBER 25, 2014, OR BY DRESNER ROBIN, FAIRFIELD NJ IN AUGUST 2015.
- NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION FRESHWATER WETLANDS LETTER OF INTERPRETATION, LINE VERIFICATION - RE-ISSUANCE FILE NO. 2009-04-001.1, DATED MARCH 23, 2011, SHEET NOS. 1, 2, 3 & 4. NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION FRESHWATER WETLANDS LETTER OF INTERPRETATION, LINE VERIFICATION - FILE NO. 0000-14-0029.2, SHEET NOS. 8 & 9.
- WETLANDS SHOWN HEREON WERE APPROXIMATED BY ECOLSCIENCES, INC., ROCKAWAY, NEW JERSEY THROUGH AUGUST 2015.
- PROPOSED IMPROVEMENTS AND LIMITS OF DISTURBANCE SHOWN HEREON WERE PROVIDED BY AECOM, PRINCETON, NJ, PSE&G, SOUTH PLAINFIELD, NJ, POWER ENGINEERS, LENEXA, KS, KIEWIT, LENEXA, KS AND MFS CONSULTING ENGINEERS, LLC, SOUTH PLAINFIELD, NJ.

2	1/6/16	REVISED PER ACOE COMMENTS AND REVISED REFERENCES	HUL	CDK
1	10/9/15	UNDERGROUND ROUTE, ACCESS LOD & WETLAND AREA	LSC	CDK
NO	DATE	DESCRIPTION	BY	CHKD

REVISION

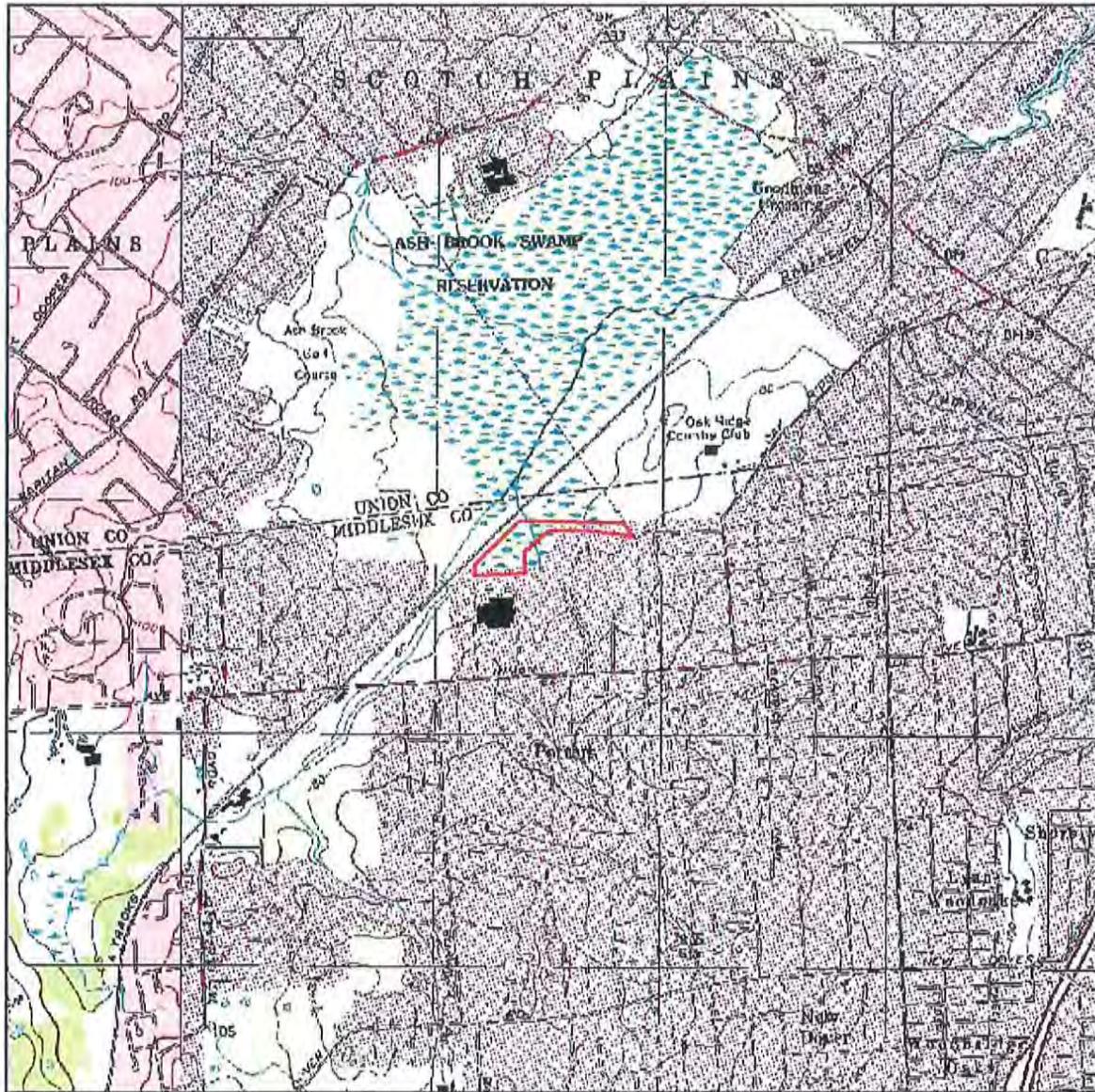
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Phone : (973) 430-7000

BERGEN-LINDEN
CORRIDOR PROJECT
LINDEN-BAYWAY OVERHEAD (PHASE 2)
AND
BAYWAY/BAYONNE UNDERGROUND (PHASE 3)
ACOE PERMIT PLAN

DRAWN - HUL/CDK CHECKED - MJP SCALE - AS SHOWN
DATE - 7-13-2015 EXAMINED - SCK AUTH - MJP-12081

Figure 15 of 21



Legend

Block 412, Lot 3N1

New Jersey State Plane (NAID 83)
 Coordinates at the Center of the Site:
 531,907' East
 644,380' North



**Figure 3
 Project Location Map**

Robinsons Branch
 Wetland Mitigation Project
 Block 412, Lot 3N1
 Edison Township
 Middlesex County, New Jersey

ASGECI Project #3819

2,000
 Feet

AMY S. GREENE
 ENVIRONMENTAL
 CONSULTANTS

Source:
 Source:
 © 2001/2002 by the Mapper 47.5 Minute Grid Topographic Images of New Jersey, United States Geological Survey (USGS), Digital Vector
 Graphics (DVG) Topographic Series Map, Earth Analysis, USGS, Reston, Va., January 5, 1996, distributed by Digital Data Services,
 Inc., Lakewood, CO

Figure 16 of 21

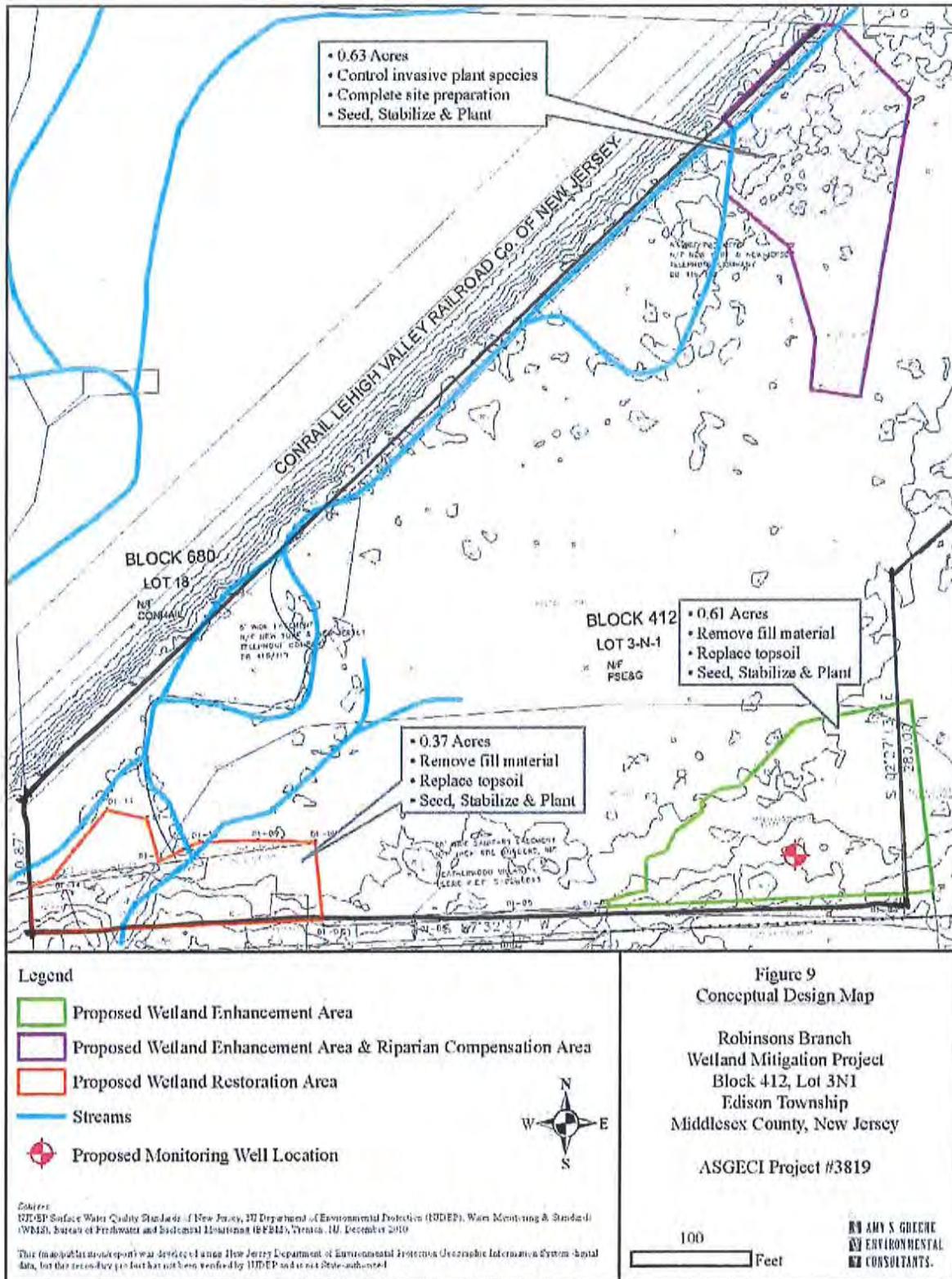
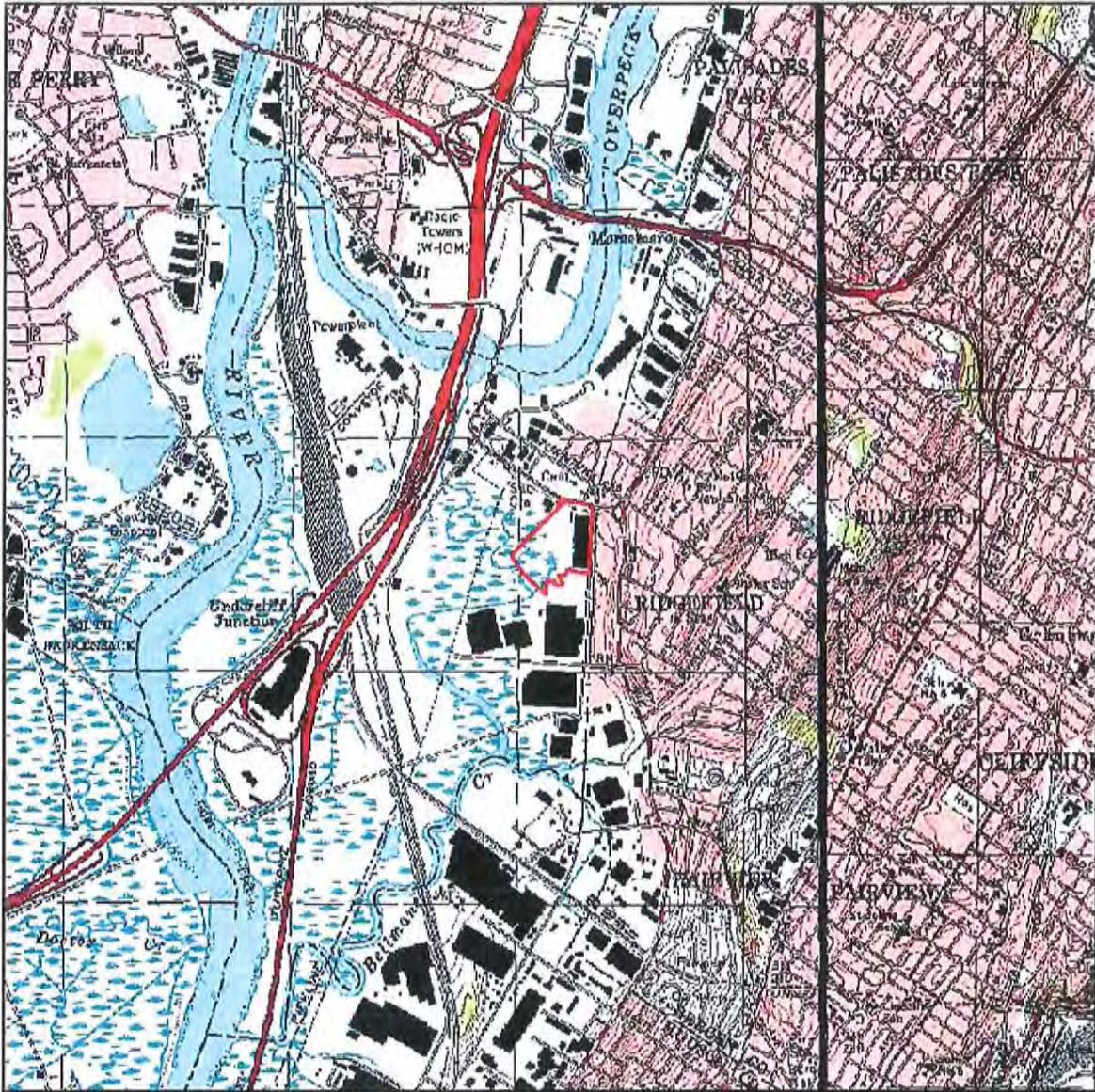


Figure 18 of 21



Legend

 Block 412, Lots 6 & 8

New Jersey State Plane (NAD 83)
 Coordinates at the Center of the Site:
 626,725' East
 728,250' North

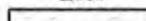


Figure 6
Project Location Map

Bellmans Creek
 Wetland Mitigation Project
 Block 412, Lots 6 & 8
 Ridgefield Borough
 Bergen County, New Jersey

ASGECI Project #3819

Source:
 Sources:
 Collins & Baranoff Bar Maps 1:5 Minute Color Topographic Images of New Jersey, United States Geological Survey (USGS), Digital Elevation
 Graphics (DEG) Topographic Base Map, Wetland, 3D Quadrangle, U248, Boston, Va., January 9, 1996, distributed by Digital Data Services,
 Inc., Lawrence, CA

2,000
 Feet

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ENVIRONMENTAL
CONSULTANTS

Figure 19 of 21



Legend

 Block 4014, Lots 6 & 8



Figure 8
Aerial Photo Map

Bellmans Creek
Wetland Mitigation Project
Block 412, Lots 6 & 8
Ridgefield Borough
Bergen County, New Jersey

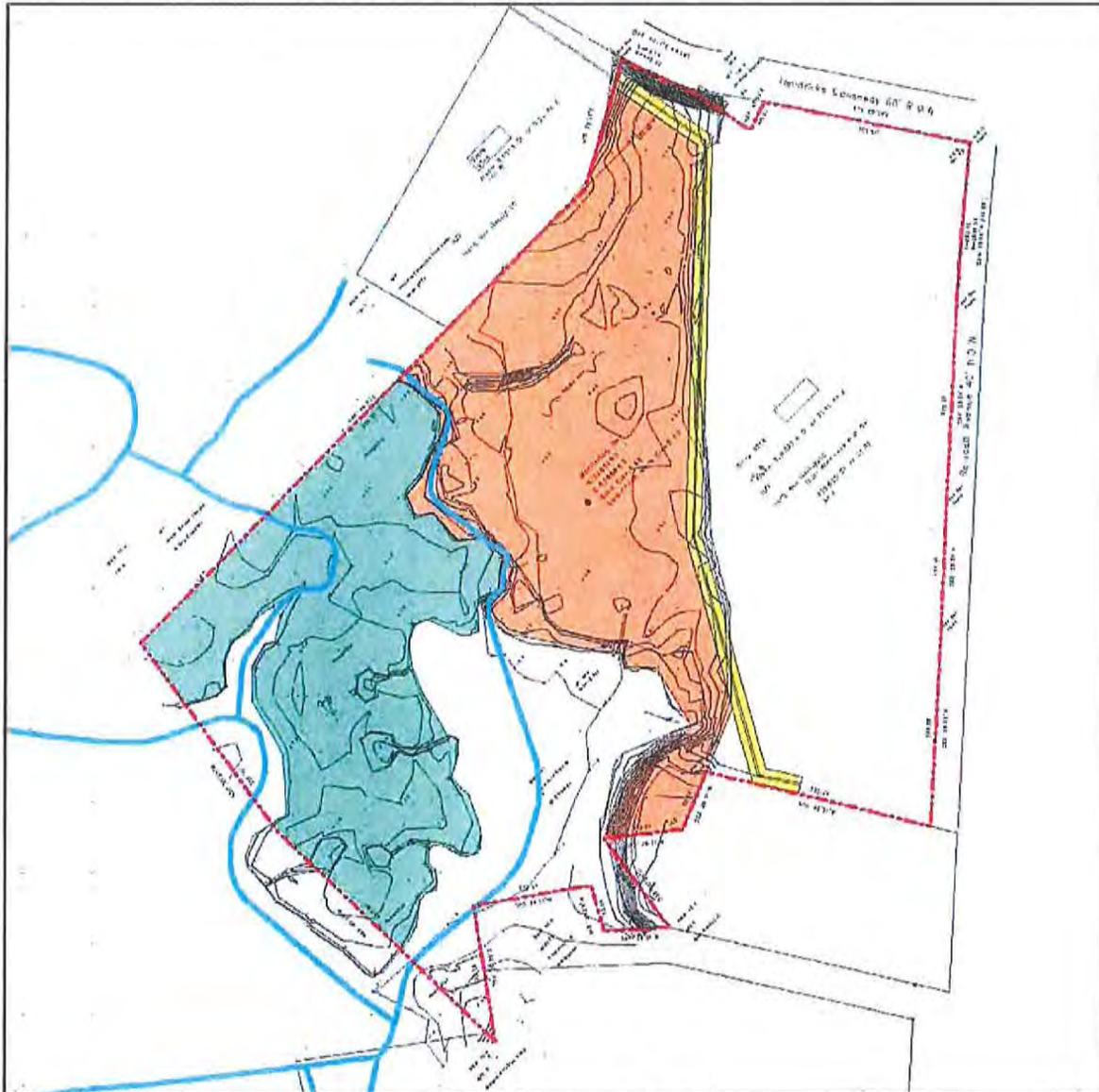
ASGECI Project #3819

Source:
New Jersey 2012 - 2013 High Resolution Orthophotography, NA1983 NJ State Plane Feet, MLLD Tides, State of New Jersey - Office of Information Technology (OIT), Office of Geographic Information Systems (OGIS), Trenton, NJ, March 2013

200
 Feet

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Legend

-  Property Boundary
-  Emergent Wetland & Open Water Enhancement (4.35 Ac.)
-  Forested Wetland Enhancement (5.66 Ac.)
-  Sewer Line Easement
-  Streams

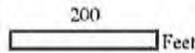


Figure 10
Conceptual Design Map

Bellmans Creek
Wetland Mitigation Project
Block 412, Lots 6 & 8
Ridgefield Borough
Bergen County, New Jersey

ASGECI Project #3819

Source:
NJDEP Surface Water Quality Standards of New Jersey, NJ Department of Environmental Protection (NJDEP), Water Monitoring & Standards (WMSD), Bureau of Freshwater and Ecological Monitoring (BREM), Trenton, NJ, December 2010
This map (application/report) was developed using New Jersey Department of Environmental Protection Geographic Information System spatial data, but this secondary product has not been verified by NJDEP and is not State authorized.



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