

# 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 to:**  
Public Notice Number: NAN-2016-01176-EHA  
Issue Date: February 17, 2017  
Expiration Date: March 20, 2017

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:** Jean M. Jean-Louis  
New York City Department of Design and Construction  
30-30 Thompson Avenue  
Long Island City, New York 11101

**ACTIVITY:** Dredging, wetland planting, outfalls, retaining wall, pedestrian bridges for park construction

**WATERWAY:** Bronx River

**LOCATION:** Borough of Bronx, Bronx County, New York.

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 would not 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 lifestages of some EFH-designated species as a result of a temporary increase in turbidity during construction. However, the New York District has made the preliminary determination that the site-specific adverse effects are not likely to be substantial because it is expected that fish populations would avoid the small area of disturbance. Further consultation with NOAA/FS regarding EFH impacts and conservation recommendations 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 occur. For activities within the coastal zone of New York State, the applicant's certification and accompanying information is available from the Consistency Coordinator, New York State Department of State, Division of Coastal Resources and

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PUBLIC NOTICE NO. NAN-2016-01176-EHA

Waterfront Revitalization, Coastal Zone Management Program, One Commerce Plaza, 99 Washington Avenue, Albany, New York 12231, Telephone (518) 474-6000. 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 York State Department of Environmental Conservation

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) 790-8523 and ask for Naomi Handell.

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 and In behalf of**

Stephan A. Ryba  
Chief, Regulatory Branch

Enclosures

## **WORK DESCRIPTION**

The applicant, New York City Department of Design and Construction, has requested Department of the Army authorization to complete the build-out of Starlight Park and the Bronx River Greenway in Bronx River, Borough of Bronx, Bronx County, New York.

The work would involve:

From Westchester Avenue, on the west side of the Bronx River and continuing north for approximately 450 feet, varying width ranging from 10 feet to 50 feet, for a total of approximately 12,126 square feet, dredge via excavator, approximately 1,512 cubic yards of gravelly sand/silty mud, to a maximum depth of -11 feet NAVD88. The purpose of the proposed dredging is to create a planting area. The dredged material would be placed at a state approved upland location. Place approximately 872 cubic yards of clean upland cap comprised of appropriate planting medium. Sheet 16. Place approximately 145 cubic yards of boulders and rip-rap along the dredged area and plant the dredged area with native wetland vegetation.

From the Bronx River Avenue southern property line to the Amtrak property, on the east side of the Bronx River, over an approximately 250-foot area, varying width from 4-feet to 25-feet for a total of approximately 4,206 square feet, dredge via excavator, approximately 461 cubic yards of gravelly sand/silty mud, to a maximum depth of -5 feet NAVD88. The purpose is to create planting area.

At each of two (2) storm water outfalls, place 3 cubic yards of rip-rap waterward of the spring high water line for scour protection.

Construct approximately 200-foot long retaining wall to support upland pathway through the park.

**Bridge Number 1:** Work Areas 1 and 2 would each include a new concrete bridge abutment wall at the river's edge to support the first of three (3) new 21-foot-wide bikeway and pedestrian walkway bridges over the Bronx River. This first bridge would have new pile-supported concrete bridge abutments on each side of the river and new gravel and rock rip-rap shoreline stabilization. This bridge's individual Bridge Identification Number (B.I.N.) is 226990 and it would be located just south of the existing CSX/Amtrak Corridor railroad bridge. This new bridge would have a vertical clearance of approximately 10.82 feet above the river, measured at Mean High Water, the average high tide elevation. The river is currently approximately 105 feet wide at this location. Upriver of Westchester Avenue, the Bronx River's vertical clearance is already limited by the existing CSX/Amtrak Corridor railroad bridge which has a vertical clearance of 7.5 feet above the river, measured at Mean High Water, the average elevation of high tide.

**Bridge Number 2:** The permit applicant proposes the next pedestrian walkway bridge over the Amtrak property and is out of USACE jurisdiction.

**Bridge Number 3:** The permit applicant proposes the next new bikeway and pedestrian walkway bridge over the Bronx River just north of Work Area 4 with new upland pile-supported concrete bridge abutments on each side of the river and replacement, as needed, of the existing rock rip-rap shoreline stabilization materials. This bridge's individual Bridge Identification Number (B.I.N.) is 226947. This bridge would connect the east and west segments of the pedestrian walkway. This new bridge would have a vertical clearance of 10 feet above the river, measured at Mean High Water, the average high tide elevation. The river is approximately 120 feet wide at this location. Upriver of Westchester Avenue, the Bronx River's vertical clearance is already limited by the existing CSX/Amtrak Corridor railroad bridge which has a vertical clearance of 7.5 feet above the river, measured at Mean High Water, the average elevation of high tide.

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PUBLIC NOTICE NO. NAN-2016-01176-EHA**

Drawings:

Sheets 2-8 of 26 depict existing conditions.

Sheets 9-13 of 26 depict proposed dredging, outfalls and rip-rap

Sheets 14-17 of 26 depict the proposed wetland plantings.

Sheets 18-19 of 26 depict the proposed retaining wall.

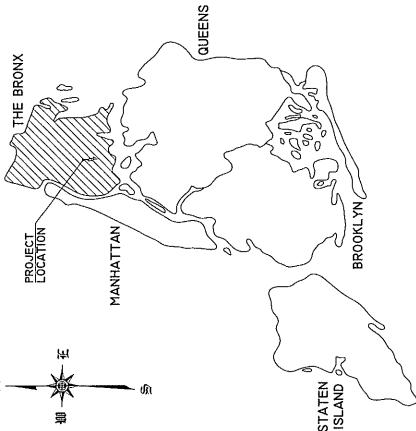
Sheets 20-26 of 26 depict the proposed bridges.

The applicant has stated that they have avoided, minimized, and mitigated for impacts proposed to the maximum extent practicable by building a project that will remove concrete and asphalt from the shoreline to create wetlands.

The stated purpose of this project is to complete the build-out of Starlight Park and the Bronx River Greenway.

NAN - 2016-01776-611A

# NYC BBC



## DIVISION OF INFRASTRUCTURE BUREAU OF DESIGN PROJECT ID: P-1PBSTAR

WORK LOCATION

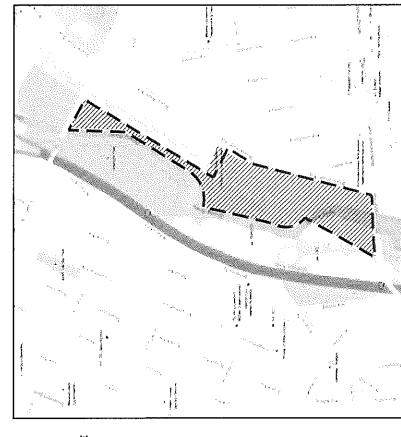


LOCATION PLAN  
N.T.S.

## CONSTRUCTION OF STARLIGHT PARK - PHASE II BETWEEN WESTCHESTER AVENUE AND EAST 174TH STREET



USGS CONTOUR MAP  
N.T.S.



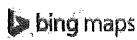
LOCATION PLAN  
N.T.S.  
COMMUNITY BOARD NO. 9

INDEX OF DRAWINGS	
DRAWING SHEET NO.	SHEET TITLE
EPC01	COVER SHEET
KEP01	OVERALL KEY PLAN - 1
KEP02	OVERALL KEY PLAN - 2
KEP03	OVERALL KEY PLAN - 3
S1	SUMMARY OF QUANTITIES
P-1	ROW AND OWNERSHIP PLAN
P-2	ROW AND OWNERSHIP PLAN
P-3	ROW AND OWNERSHIP PLAN
ECP01	EXISTING CONDITIONS PLAN
ECP02	EXISTING CONDITIONS PLAN
ECP03	EXISTING CONDITIONS PLAN
ECP04	EXISTING CONDITIONS PLAN
ECP05	EXISTING CONDITIONS PLAN
ECP06	EXISTING CONDITIONS PLAN
ECP07	EXISTING CONDITIONS PLAN
ENV01	ENVIRONMENTAL PERMIT PLAN
ENV02	ENVIRONMENTAL PERMIT PLAN
ENV03	ENVIRONMENTAL PERMIT PLAN
ENV04	ENVIRONMENTAL PERMIT PLAN
ENV05	ENVIRONMENTAL PERMIT PLAN
ENV06	ENVIRONMENTAL PERMIT PLAN
ENV07	ENVIRONMENTAL PERMIT PLAN
S-1	GROSS SECTION DRAWING AND LL
WDP01	WETLAND MITIGATION PLAN
WDP02	WETLAND MITIGATION PLAN
WMS01	WETLAND MITIGATION SECTION
WMS02	WETLAND MITIGATION SECTION
WMS03	WETLAND MITIGATION SECTION
RW-CIP-1	RETAINING WALL C/I PLANS AND ELEVATION
RW-CIP-2	RETAINING WALL C/I PLANS AND ELEVATION
EC1	EROSION CONTROL PLAN - 1 PRECONSTRUCTION
EC2	EROSION CONTROL PLAN - 2 PRECONSTRUCTION
ESP01	EROSION CONTROL PLAN - 1 STAGE I
ESP02	EROSION CONTROL PLAN - 2 STAGE I
ESP01	EROSION CONTROL PLAN - 1 STAGE II
ESP02	EROSION CONTROL PLAN - 2 STAGE II
ESP03	EROSION CONTROL PLAN - 3 STAGE II
ESP04	EROSION CONTROL PLAN - 4 STAGE II
ESD01	EROSION CONTROL DETAILS - 1
ESD02	EROSION CONTROL DETAILS - 2
LAP01	PLANTING AND PLANT CARE PLAN - 1
LAP02	PLANTING AND PLANT CARE PLAN - 2
LAP03	PLANTING AND PLANT CARE PLAN - 3
LAP04	PLANTING AND PLANT CARE PLAN - 4
LAP05	PLANTING AND PLANT CARE PLAN - 5
LAP06	PLANTING AND PLANT CARE PLAN - 6
LAP07	PLANTING AND PLANT CARE PLAN - 7
LAT01	LANDSCAPE TABLE - 1
LAT02	LANDSCAPE TABLE - 2
LAT03	LANDSCAPE TABLE - 3
KE-1	OVERALL KEY PLAN BRIDGES
ST1-1	GENERAL PLAN AND ELEVATION - BRIDGE 1
ST1-2	EXCAVATION AND EMBANKMENT SECTIONS AND DETAILS - BRIDGE 1
ST1-3	EXCAVATION AND EMBANKMENT SECTIONS AND DETAILS - BRIDGE 2
ST1-4	ENDING ABUTMENT PLAN AND ELEVATION - BRIDGE 3
ST1-5	SUPERSTRUCTURE SLAB REINFORCEMENT TRANSVERSE SECTION & DETAILS
ST1-6	APPROACH SLAB PLAN AND DETAILS - BRIDGE 1
ST1-7	ELASTOMERIC BEARING FIXED TYPE F.B. - BRIDGE 1
ST1-8	Elastomeric bearing expansion type f.b. bridge 1
ST2-1	GENERAL PLAN AND ELEVATION - BRIDGE 2
ST2-2	EXCAVATION AND EMBANKMENT SECTIONS AND DETAILS - BRIDGE 2
ST3-1	GENERAL PLAN AND ELEVATION - BRIDGE 3
ST3-2	EXCAVATION AND EMBANKMENT SECTIONS AND DETAILS - BRIDGE 3
ST3-3	BEGIN ABUTMENT PLAN AND ELEVATION - BRIDGE 3
ST3-4	ENDING ABUTMENT PLAN AND ELEVATION - BRIDGE 3
ST3-5	Elastomeric bearing fixed type f.b. - BRIDGE 3
ST3-6	Elastomeric bearing fixed type f.b. - BRIDGE 3
ST3-7	Approach slab plan, sections and details - BRIDGE 3

PROJECT ID: P-1PBSTAR	
NO.	DATE
DESCRIPTIONS	REVISIONS
PROJECT ID: P-1PBSTAR	DATE: 05-07-2016
BY APPROVED	BY

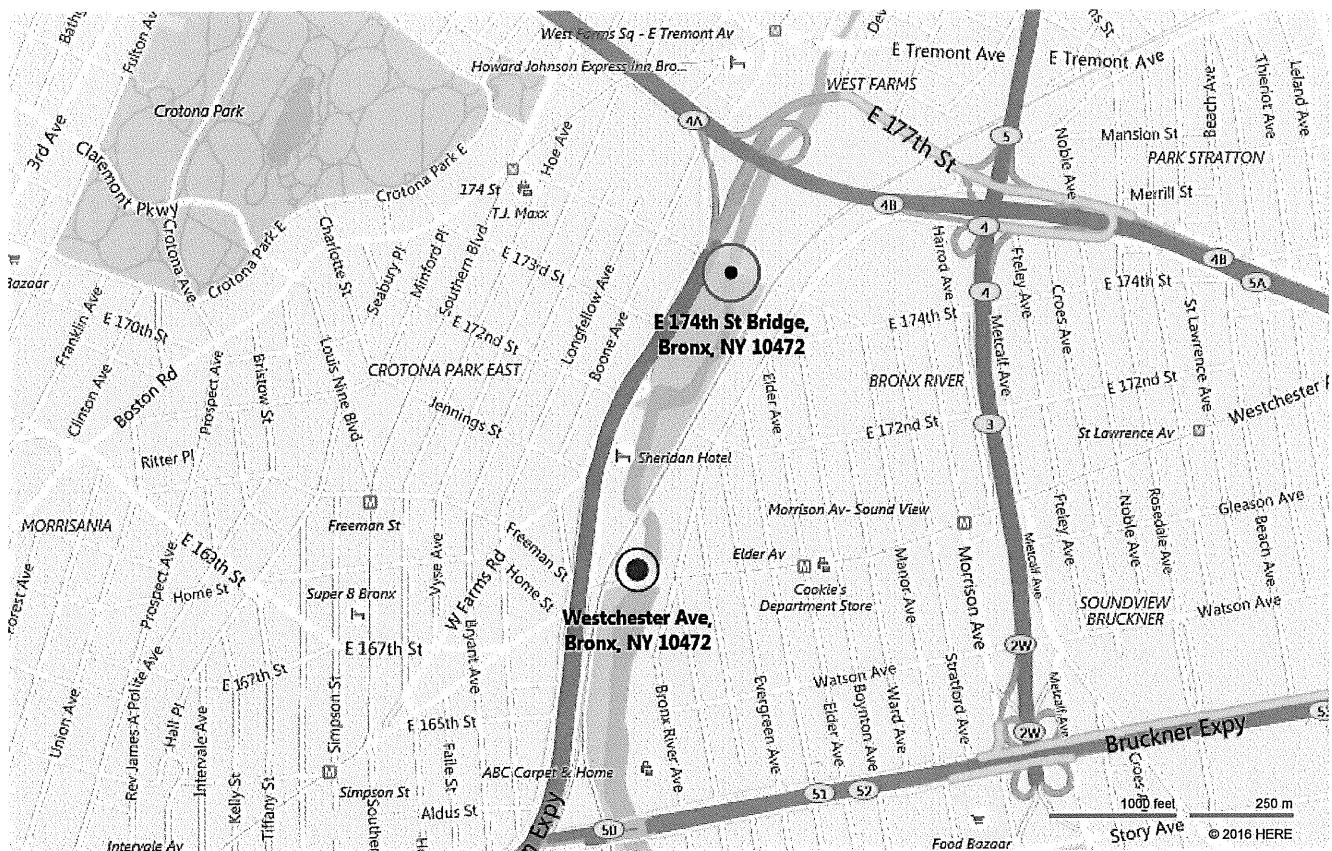
PROJECT ID-P-1PBSTAR

Approved



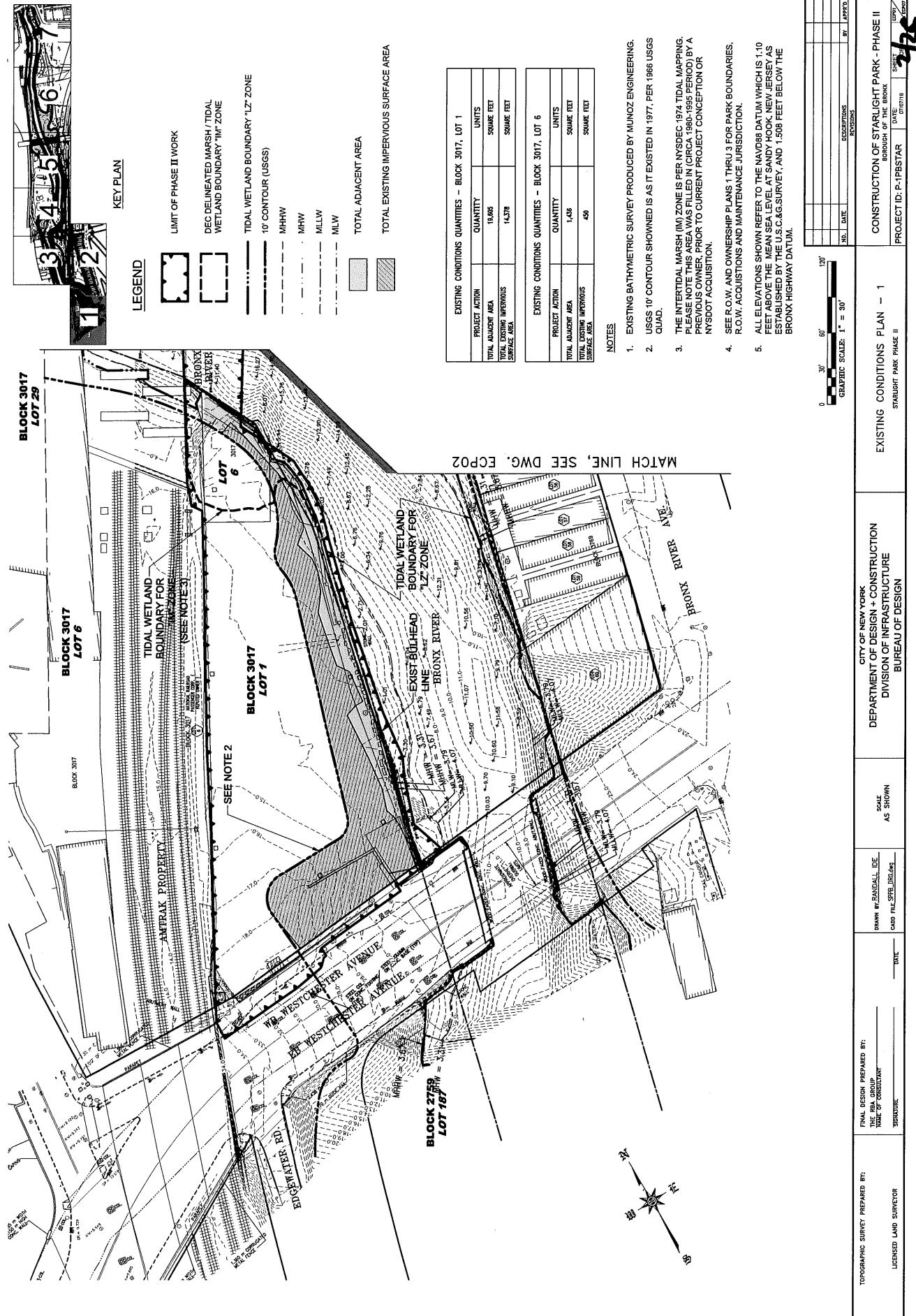
**E 174th St Bridge, Bronx, NY 10472**

NAN-2016-01176-EHA

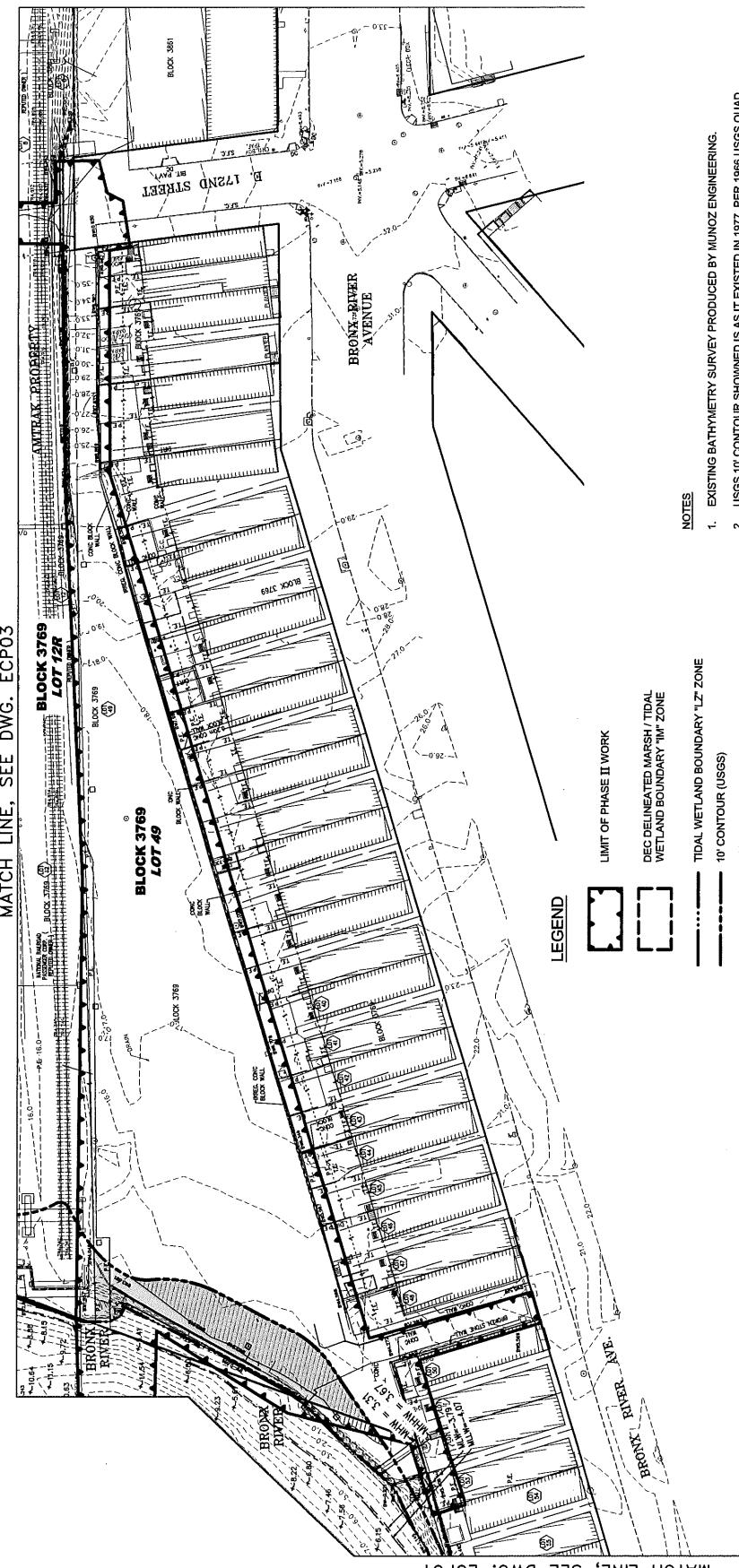


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NAN-2016-01776-EHA

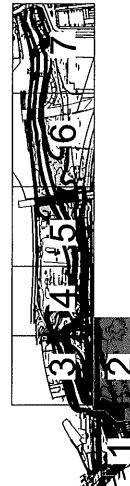


NAN-2016-01776-6-HA



MATCH LINE, SEE DWG. ECP01

EXISTING CONDITIONS QUANTITIES - BLOCK 3768, LOT 49			
PROJECT / ACTION	QUANTITY	UNITS	
TOTAL ADJACENT AREA	5,683	SQUARE FEET	
TOTAL EXISTING IMPERVIOUS SURFACE AREA	3,685	SQUARE FEET	



REVIEWS

TOPOGRAPHIC SURVEY PREPARED BY:	FINAL DESIGN NAME OF C SIGNATURE
LICENSED LAND SURVEYOR	

A graphic scale bar consisting of a horizontal line with vertical tick marks at 0, 30', 60', and 120'. The text "GRAPHIC SCALE 1' = 30'" is written vertically next to the bar.

ES EXISTING BATHYMETRY SURVEY PRODUCED BY MUNOZ ENGINEERING.  
USGS 1'0" CONTOUR SHOWN IN AS IT EXISTED IN 1977. PER 1966 USGS QUAD.  
ALL ELEVATIONS SHOWN REFER TO THE NAVD88 DATUM WHICH IS 10.1 FEET  
ABOVE THE MEAN SEA LEVEL AT SANDY HOOK, NEW JERSEY AS ESTABLISHED  
BY THE U.S. COAST & GEODYS图形

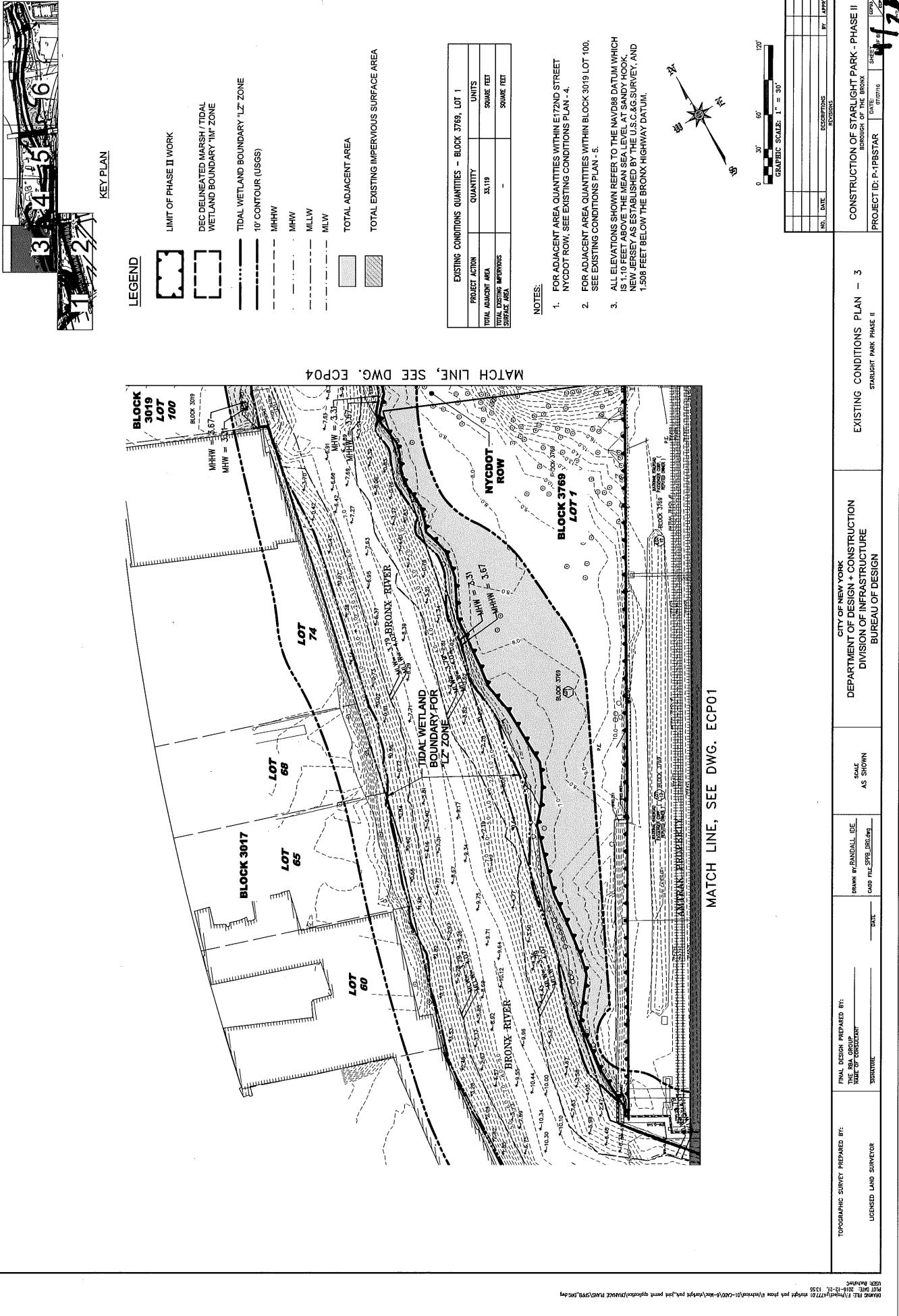
#### **AL WETLAND BOUNDARY "LZ" ZONE**

The diagram illustrates the following relationships:

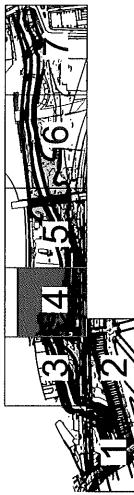
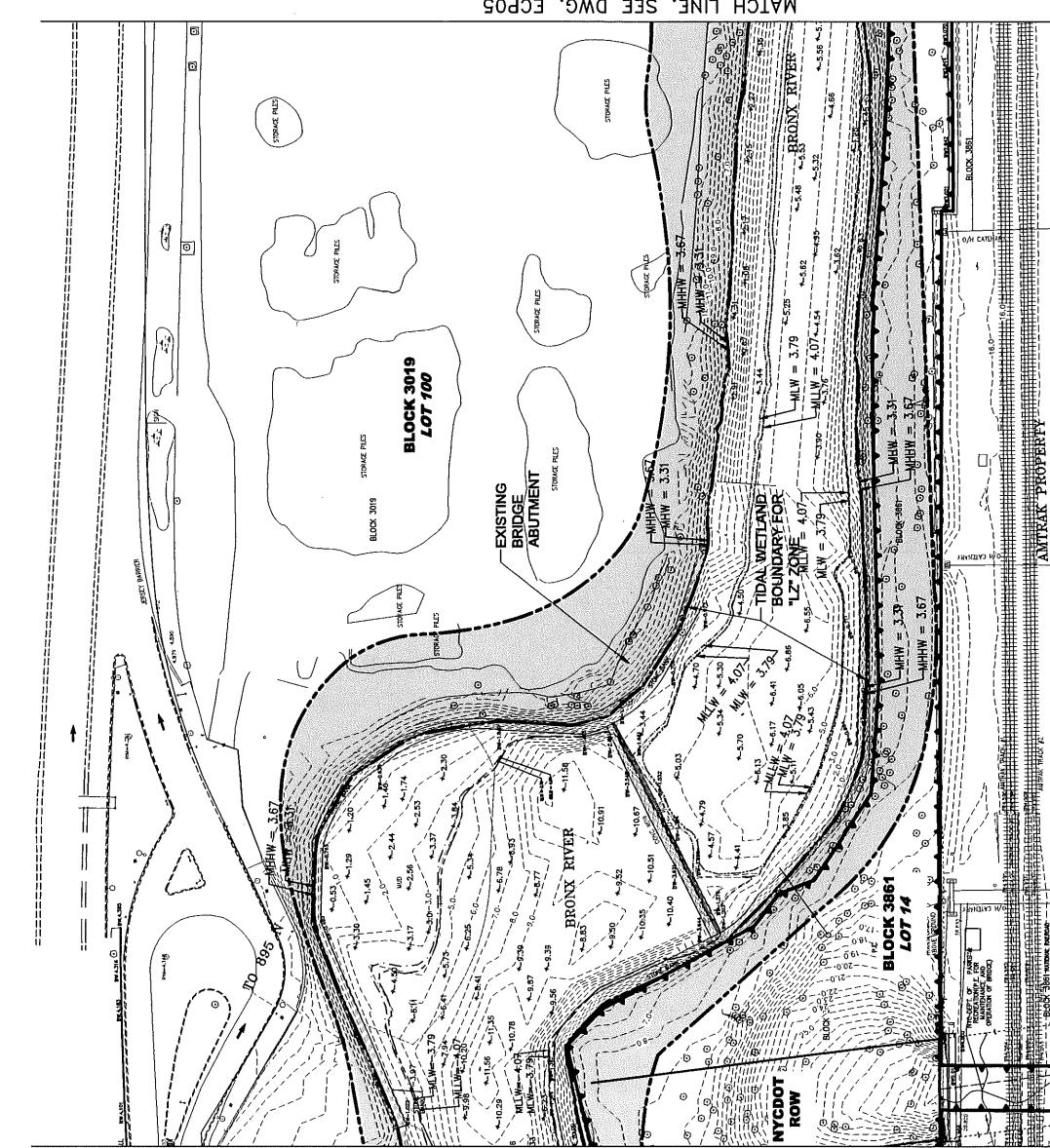
- TIC** is connected to **10'**.
- 10'** is connected to **MH**.
- MH** is connected to **ML**.
- ML** is connected to **ML'**.
- ML'** is connected back to **TIC**, forming a closed loop.

### TOTAL EXISTING IMPERVIOUS SURFACE AREA

NAN-2016-01776-6 HHA



NAN-2016-01776-ETTA



LEGEND

LIMIT OF PHASE II WORK

DEO DELINEATED MARSH / TIDAL WETLAND BOUNDARY IN ZONE

10' CONTOUR (USGS)

TIDAL WETLAND BOUNDARY "LZ" ZONE

MHHW

MHW

MLW

MLW

TOTAL ADJACENT AREA

TOTAL EXISTING IMPERVIOUS SURFACE AREA

EXISTING CONDITIONS QUANTITIES - E172ND ST. NYCDOF ROW		
PROJECT ACTION	QUANTITY	UNITS
TOTAL ADJACENT AREA	2.362	SQUARE FEET
TOTAL EXISTING IMPERVIOUS SURFACE AREA	-	SQUARE FEET

NOTES:

1. FOR ADJACENT AREA QUANTITIES WITHIN BLOCK 3019 LOT 10 AND BLOCK 3861 LOT 14, SEE EXISTING CONDITIONS PLAN - 5
2. ALL ELEVATIONS SHOWN REFER TO THE NAVD88 DATUM WHICH IS 1-10 FEET ABOVE THE MEAN SEA LEVEL AT SANDY HOOK, NEW JERSEY AS ESTABLISHED BY THE U.S.C.G.S. SURVEY, AND 1-500 FEET BELOW THE BRONX HIGHWAY DATUM.



NO. DATE	DESCRIPTION	REVISIONS	BY
			3/20

CITY OF NEW YORK  
DEPARTMENT OF DESIGN + CONSTRUCTION  
DIVISION OF INFRASTRUCTURE  
BUREAU OF DESIGN

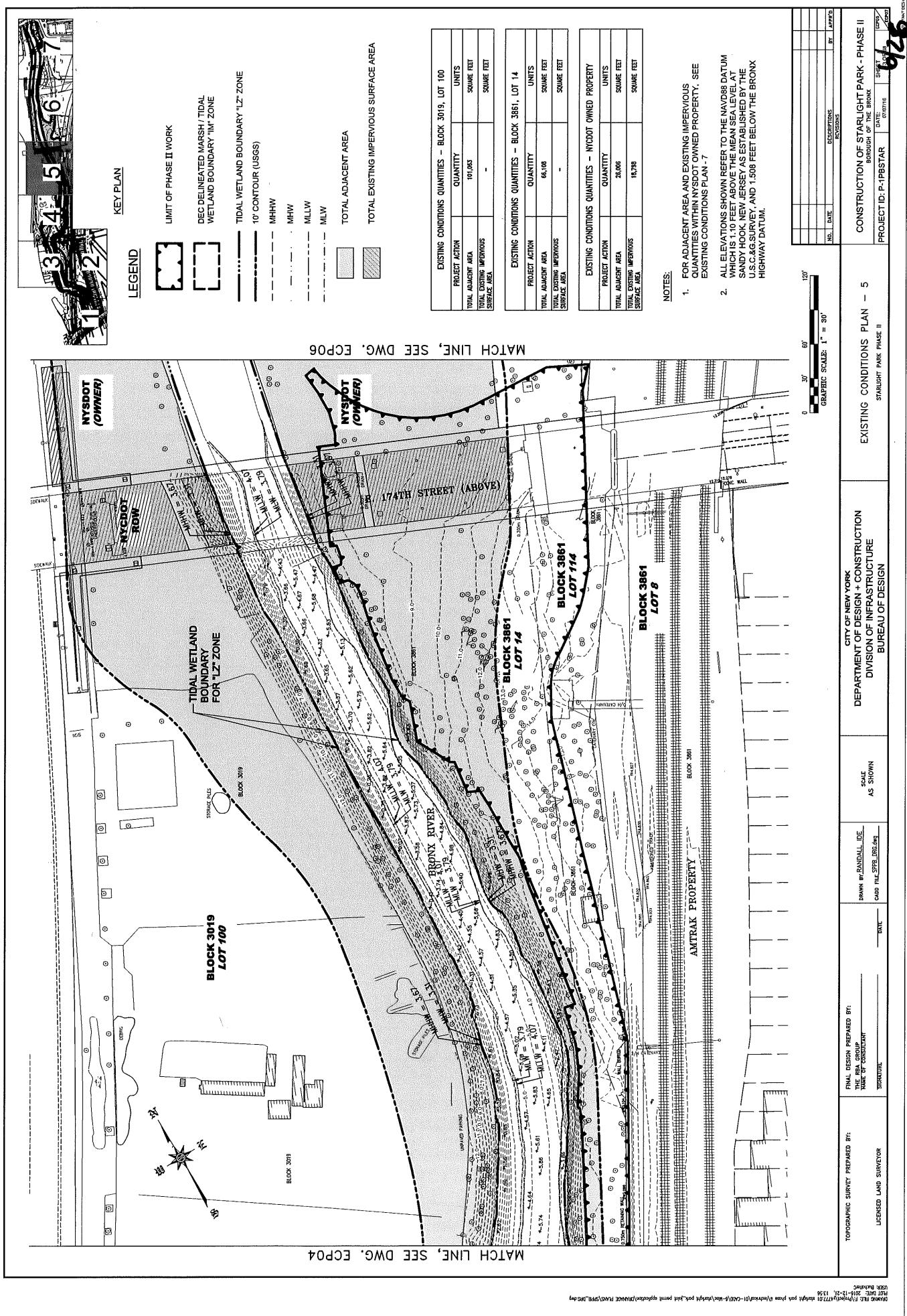
CONSTRUCTION OF STARLIGHT PARK - PHASE II  
STARLIGHT PARK PHASE II

PROJECT ID: P-PBOSTAR  
DRAWING NO.: G-0000000000  
SHEET NO.: 3/4  
EFFECTIVE DATE: 03/20/2016

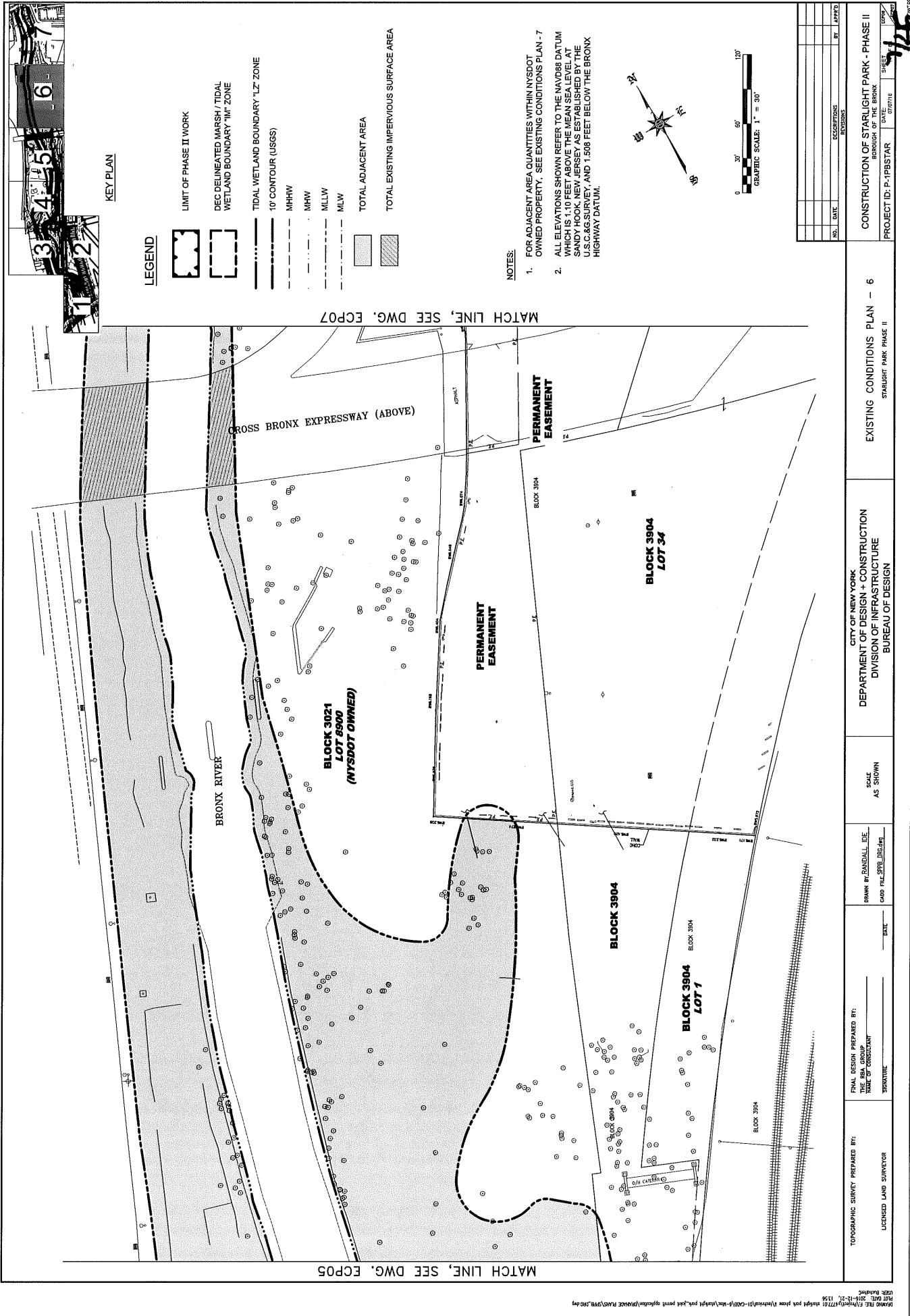
TOPOGRAPHIC SURVEY PREPARED BY:  
THE RBA GROUP  
DATE OF SURVEY  
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LICENSED LAND SURVEYOR

DATE  
DRAWN BY RANDALL DE  
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DATE

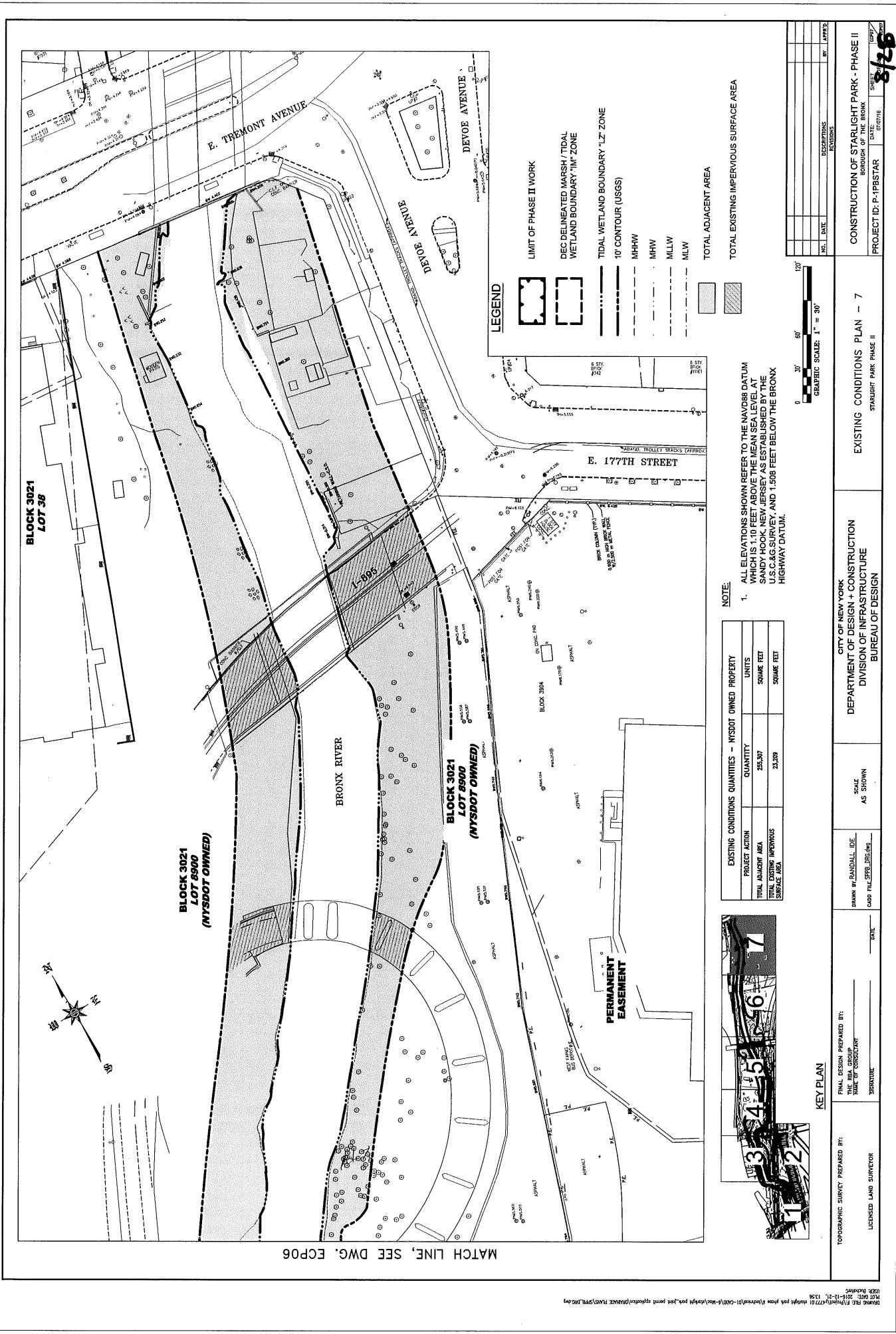
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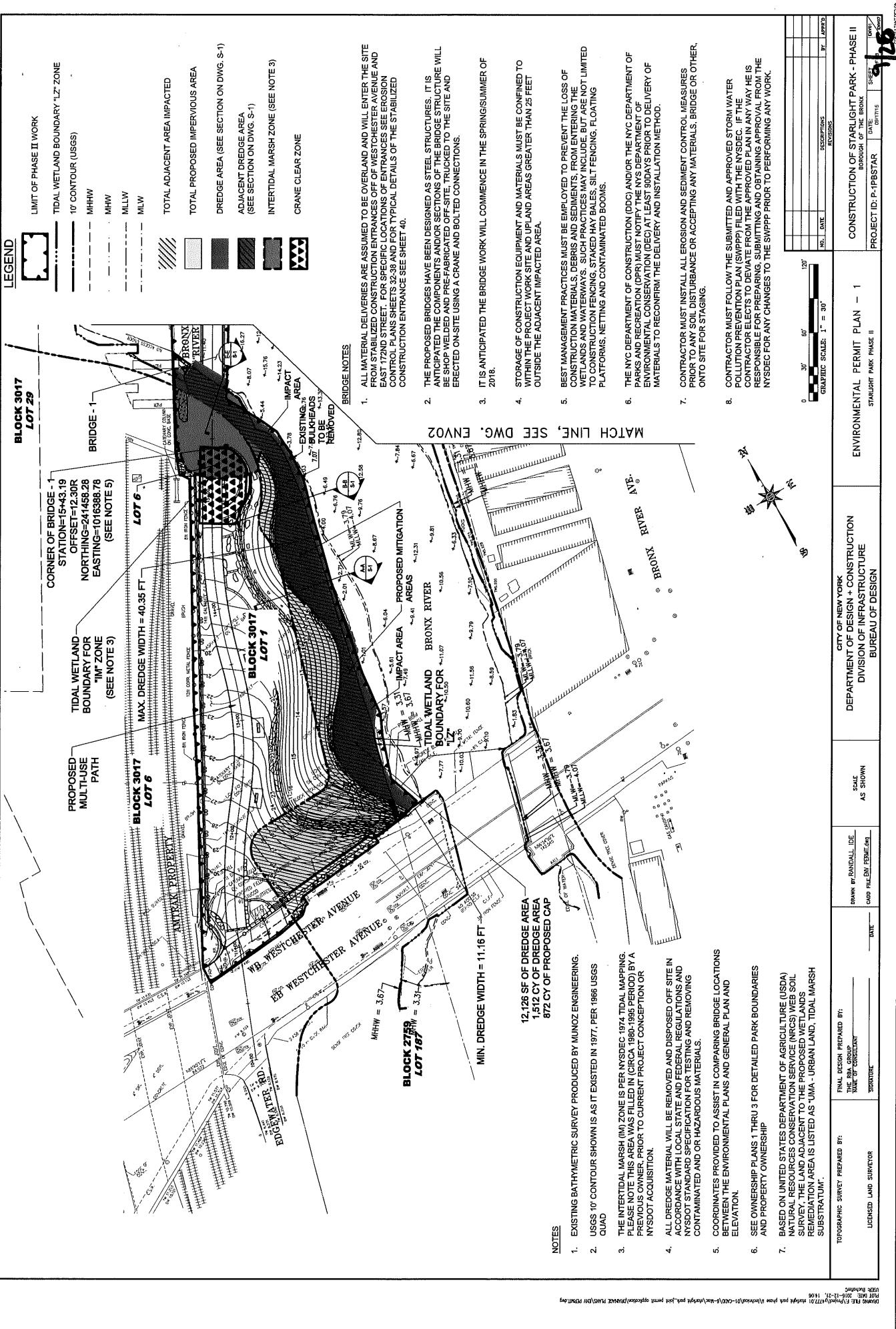
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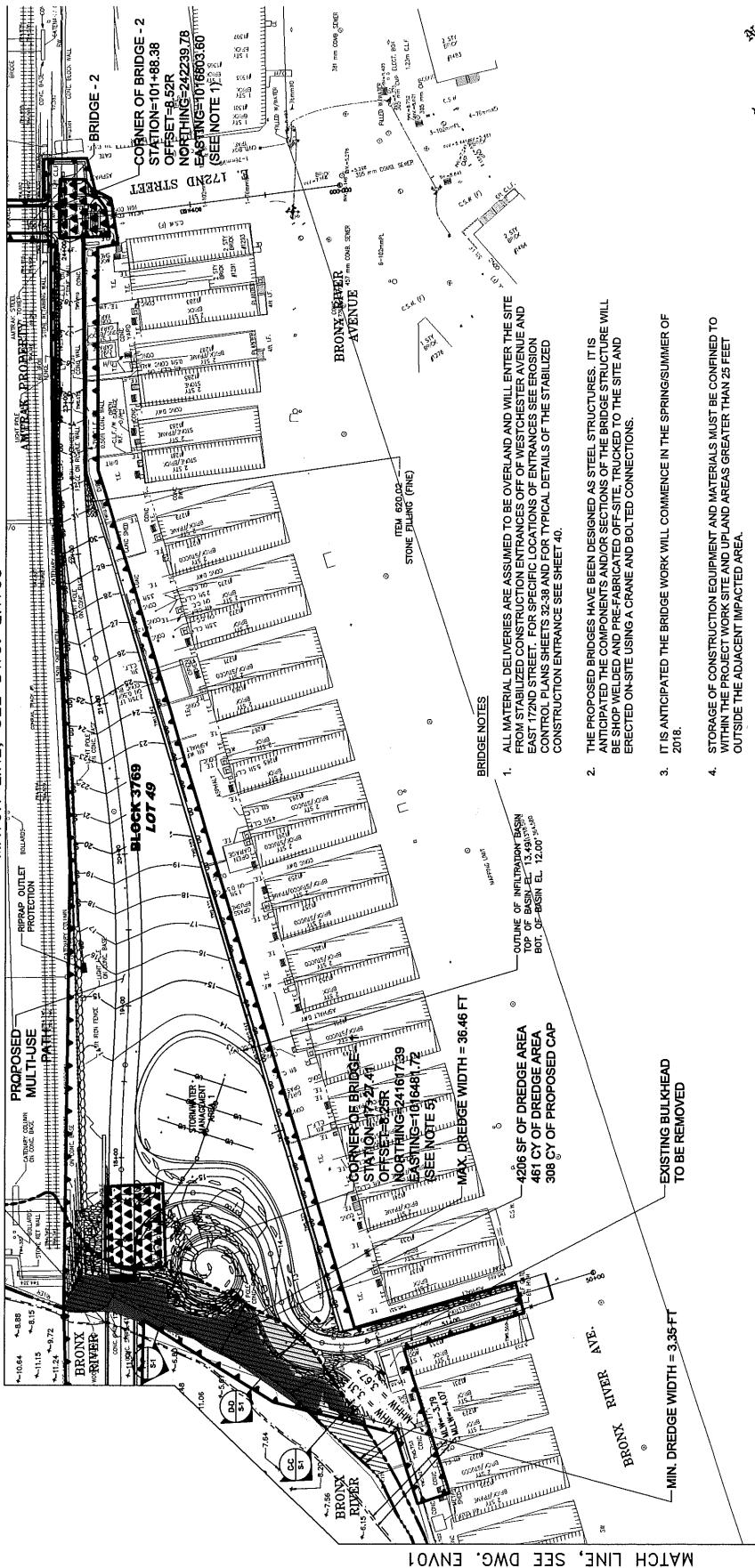
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NAN-2016-01776-ETHA



## MATCH LINE, SEE DWG. ENVO3



## BRIDGE NOTES

- ALL MATERIAL DELIVERIES ARE ASSUMED TO BE OVERLAND AND WILL ENTER THE SITE FROM STABILIZED CONSTRUCTION ENTRANCES OFF OF WESTCHESTER AVENUE AND EAST 172ND STREET. FOR SPECIFIC LOCATIONS OF ENTRANCES SEE EROSION CONTROL PLANS SHEETS 32-34 AND FOR TYPICAL DETAILS OF THE STABILIZED CONSTRUCTION ENTRANCE SEE SHEET 40.
- THE PROPOSED BRIDGES HAVE BEEN DESIGNED AS STEEL STRUCTURES. IT IS ANTICIPATED THE COMPONENTS AND/OR SECTIONS OF THE BRIDGE STRUCTURE WILL BE SHOP WELDED AND PRE-FABRICATED OFF-SITE, TRUCKED TO THE SITE AND ERECTED ON-SITE USING A CRANE AND BOLTED CONNECTIONS.
- IT IS ANTICIPATED THE BRIDGE WORK WILL COMMENCE IN THE SPRING/SUMMER OF 2018.

- STORAGE OF CONSTRUCTION EQUIPMENT AND MATERIALS MUST BE CONFINED TO WITHIN THE PROJECT WORK SITE AND UPLAND AREAS GREATER THAN 25 FEET OUTSIDE THE ADJACENT IMPACTED AREA.
- BEST MANAGEMENT PRACTICES MUST BE EMPLOYED TO PREVENT THE LOSS OF CONSTRUCTION MATERIALS, DEBRIS, AND SEDIMENTS FROM ENTERING THE WETLANDS AND WATERWAYS. SUCH PRACTICES MAY INCLUDE, BUT ARE NOT LIMITED TO CONSTRUCTION FENCING, STAKE HAY BALES, SILT FENCING, FLOATING PLATFORMS, NETTING AND CONTAMINATED BOOMS.
- THE NYC DEPARTMENT OF CONSTRUCTION (DOCS) AND/OR THE NYC DEPARTMENT OF PARKS AND RECREATION (DPR) MUST NOTIFY THE NYSDEC FILED WITH THE NYSDEC. IF THE CONTRACTOR ELECTS TO DEVIATE FROM THE APPROVED PLAN IN ANY WAY HE IS RESPONSIBLE FOR PREPARING, SUBMITTING AND OBTAINING APPROVAL FROM THE NYSDEC FOR ANY CHANGES TO THE SWPPP PRIOR TO PERFORMING ANY WORK.
- CONTRACTOR MUST INSTALL ALL EROSION AND SEDIMENT CONTROL MEASURES, PRIORITY TO ANY SOIL DISTURBANCE OR ACCEPTING ANY MATERIALS, BRIDGE OR OTHER, ONTO SITE FOR STAGING.
- CONTRACTOR MUST FOLLOW THE SUBMITTED AND APPROVED STORM WATER POLLUTION PREVENTION PLAN (SWPPP) FILED WITH THE NYSDEC. IF THE CONTRACTOR ELECTS TO DEVIATE FROM THE APPROVED PLAN IN ANY WAY HE IS RESPONSIBLE FOR PREPARING, SUBMITTING AND OBTAINING APPROVAL FROM THE NYSDEC FOR PERFORMING ANY WORK.
- PRIOR TO ANY CHANGES TO THE SWPPP, THE CONTRACTOR MUST CONFIRM THE DELIVERY AND INSTALLATION METHOD.

\*NO IMPACTS BELOW MHHW LINE - THIS SHEET\*



NO.	DATE	DESCRIPTIONS	REV.	APPROVED

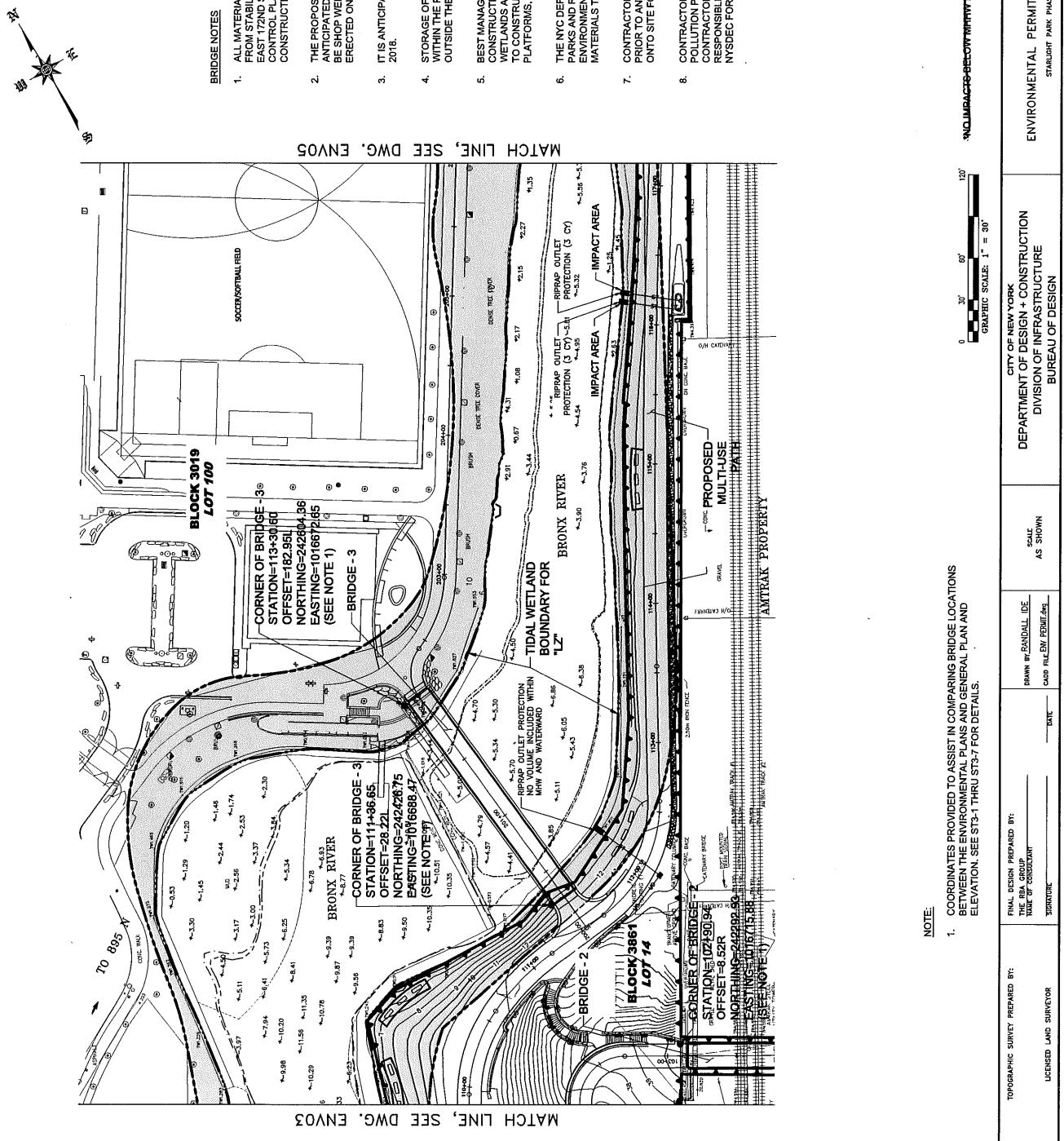
NOTE:

- COORDINATES PROVIDED TO ASSIST IN COMPARING BRIDGE LOCATIONS BETWEEN THE ENVIRONMENTAL PLANS AND GENERAL PLAN AND ELEVATION

TOPOGRAPHIC SURVEY PREPARED BY:  
NAME \_\_\_\_\_  
TITLE OF SURVEYOR \_\_\_\_\_  
LICENCED LAND SURVEYOR  
SIGNATURE \_\_\_\_\_

PROJECT ID: P-1FBSTAR  
CONSTRUCTION OF STARLIGHT PARK - PHASE II  
BUREAU OF INFRASTRUCTURE  
ENVIRONMENTAL PERMIT PLAN - 2  
GENERAL PLANS  
STARBRIGHT PARK, PHASE II

MAN-2016-01176-EHA



**NOTE:** COORDINATES PROVIDED TO ASSIST IN COMPARING BRIDGE LOCATIONS BETWEEN THE ENVIRONMENTAL PLANS AND GENERAL PLAN AND ELEVATION SEE ST3-1 THRU ST3-7 FOR DETAILS.

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FINAL DESIGN PREPARED BY:  
HUTCHINS

DRAWN BY RANI  
THE REA GROUP  
ROUTE OF CONSULTANT

COLD RIVER FISH

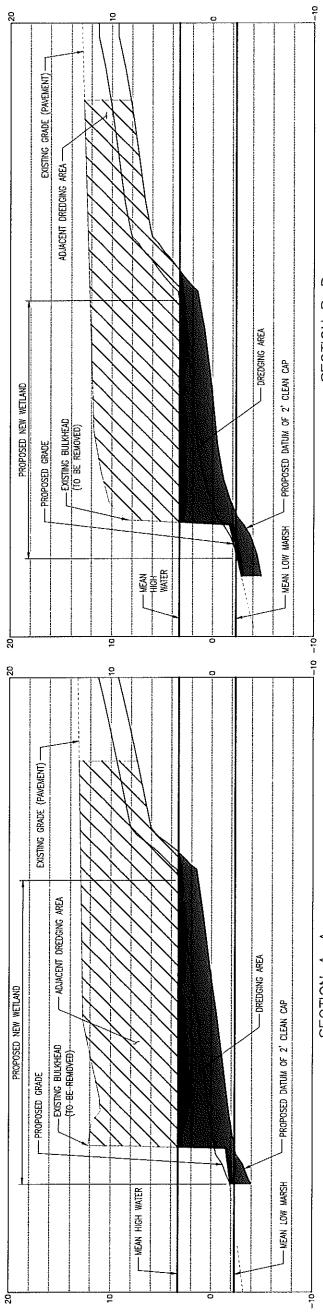
SIGNATURE \_\_\_\_\_ DATE \_\_\_\_\_

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CITY OF NEW YORK  
DEPARTMENT OF DESIGN +  
DIVISION OF INFRASTRUCTURE  
BUREAU OF DE

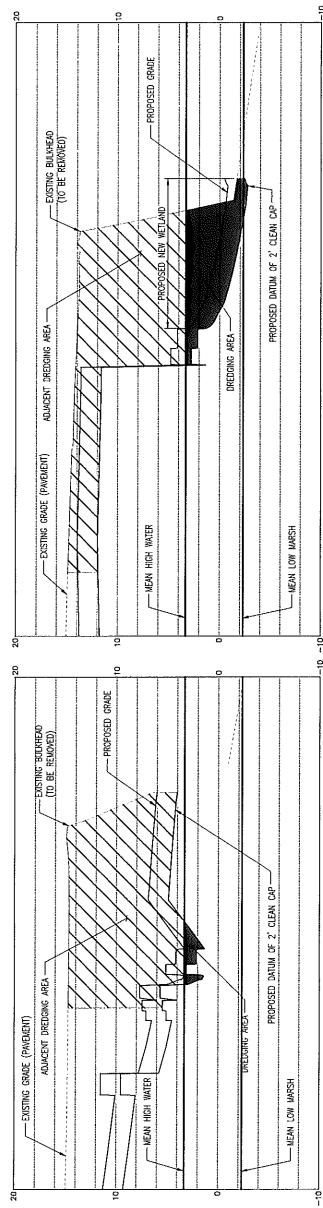
**CONSTRUCTION OF STARLIGHT PARK - PHASE II**  
 BOROUGH OF THE BRONX  
 PROJECT ID: P-1PBSTAR      DATE: 09/17/15      SET 17

NAN-2016-01726-EHRA

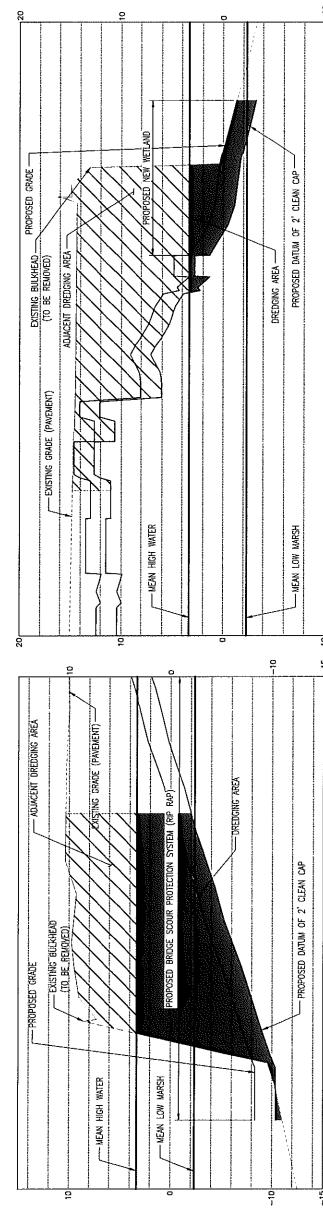


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### SECTION A-A



SECTION C



SECTION E

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TOPOGRAPHIC SURVEY PREPARED BY:	FINAL DESIGN PREPARED BY: THE BIA GROUP NAME OF CONSULTANT _____	DRAWN BY RANDALL IDE CARD FILE S-169
LICENSED LAND SURVEYOR	SIGNATURE _____ XX/XX/XX DATE	

TOPOGRAPHIC SURVEY PREPARED BY:

DRAWN BY RANDALL IDE  
CADD FILE S-1 dwg  
XX/XX/XX  
DATE

CITY OF NEW YORK  
BUREAU OF INVESTIGATION  
DEPARTMENT OF POLICE

DREDGING AND FILL

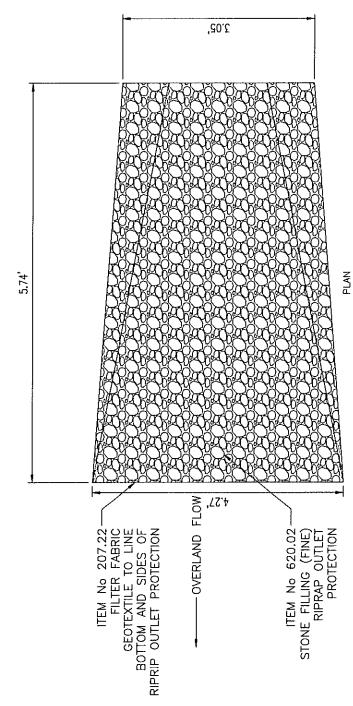
**CONSTRUCTION OF STARLIGHT PARK - PHASE II**

STARLIGHT PARK PHASE II

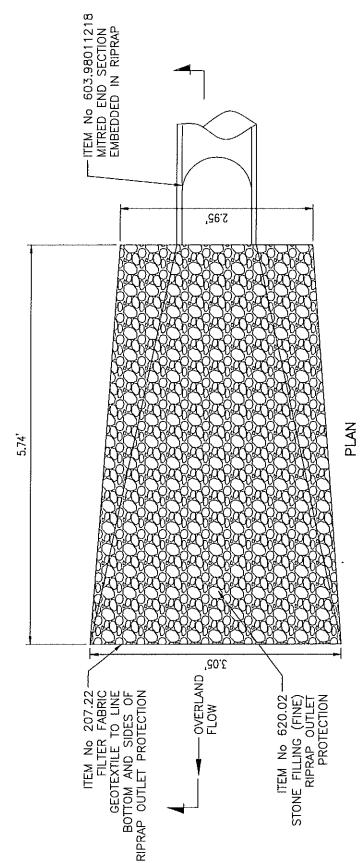
PROJECT ID: P-1PBSTAR	DATE: 01/01/2024	SHEET: 1	REV: 1
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WT DESIGN

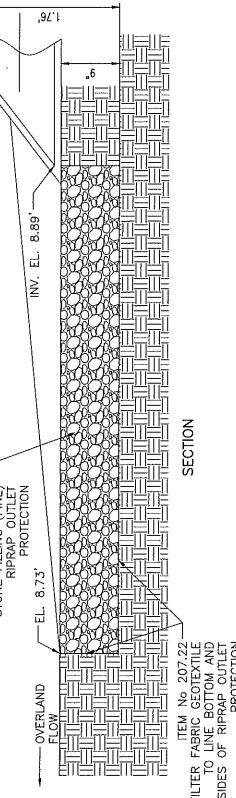
NAN-2016-01776-etta



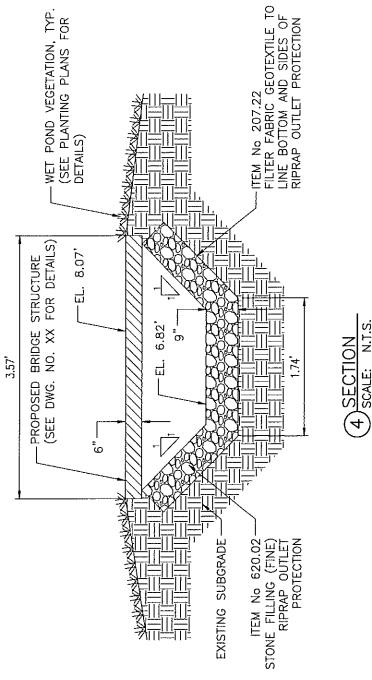
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SCALE: N.T.S.



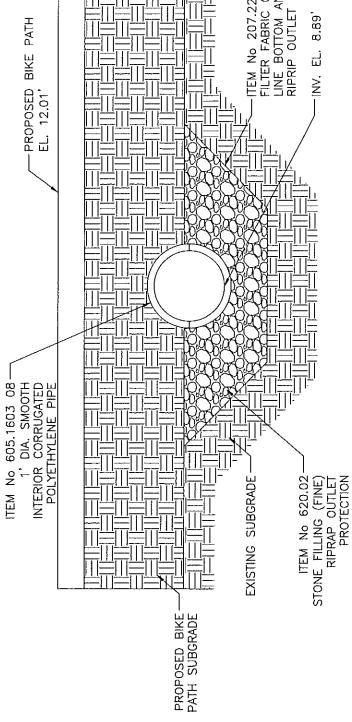
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SCALE: N.T.S.



(1) RIPRAP OUTLET PROTECTION  
SCALE: N.T.S.

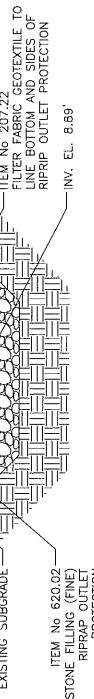


(4) SECTION  
SCALE: N.T.S.



(3) SECTION  
SCALE: N.T.S.

(2) OUTLET PIPE END SECTION  
SCALE: N.T.S.



(1) OUTLET PIPE END SECTION  
SCALE: N.T.S.

NO.	DATE	DESCRIPTIONS	APPROVED
		CONSTRUCTION OF STARLIGHT PARK - PHASE II BOROUGH OF THE BRONX	5/16

CITY OF NEW YORK  
DEPARTMENT OF DESIGN + CONSTRUCTION  
DIVISION OF INFRASTRUCTURE  
BUREAU OF DESIGN

PROJECT ID: P-HPSSTAR  
DATE: SHEET NO. 1  
LICENSING SURVEYOR: APPROVED BY:

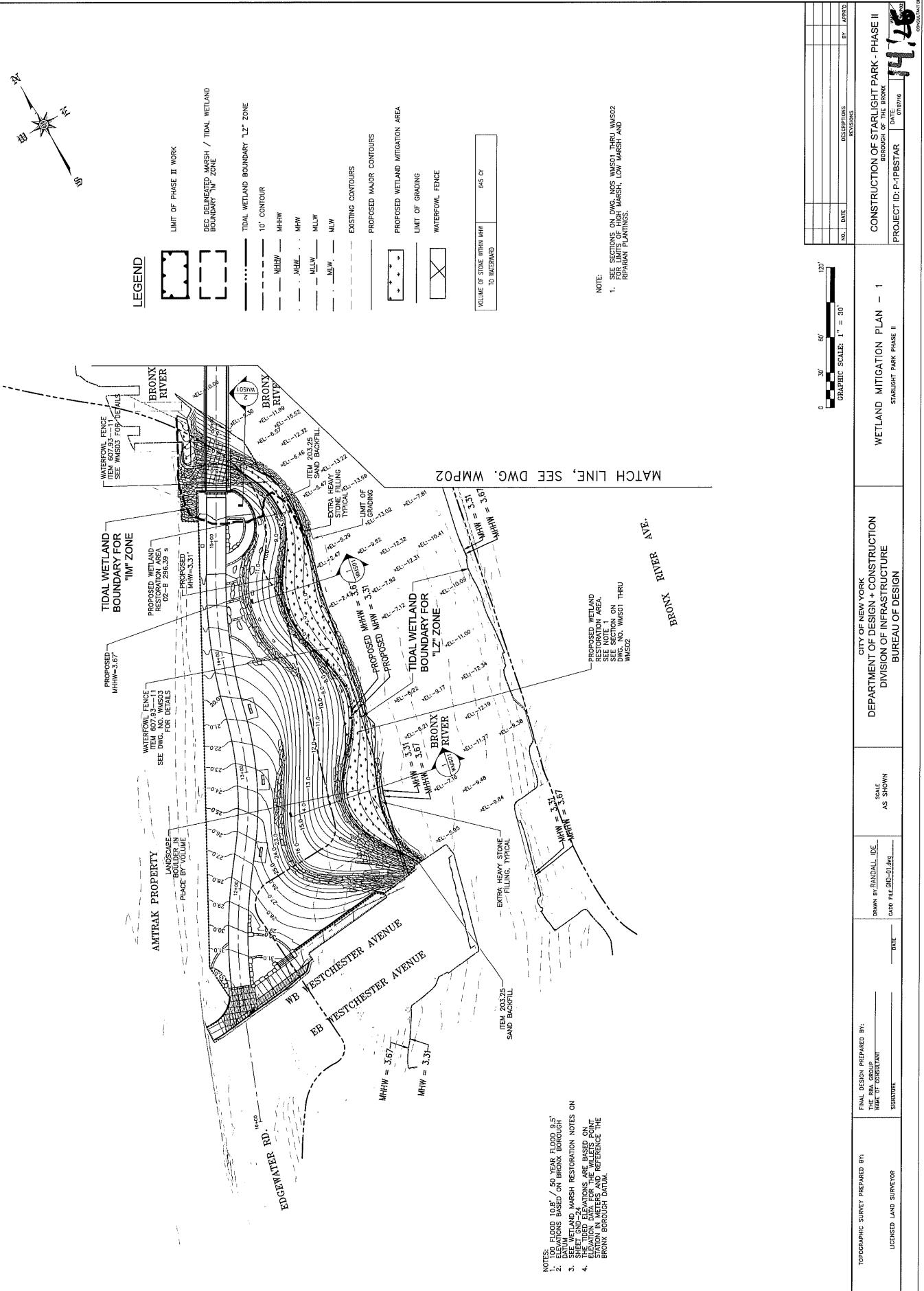
TOPOGRAPHIC SURVEY PREPARED BY:  
THE RIB GROUP  
TIME OF SURVEY:

DATE: DRAWN BY: RANDALL, I.D.E.  
DATE: CAD FILE: 200-1.dwg

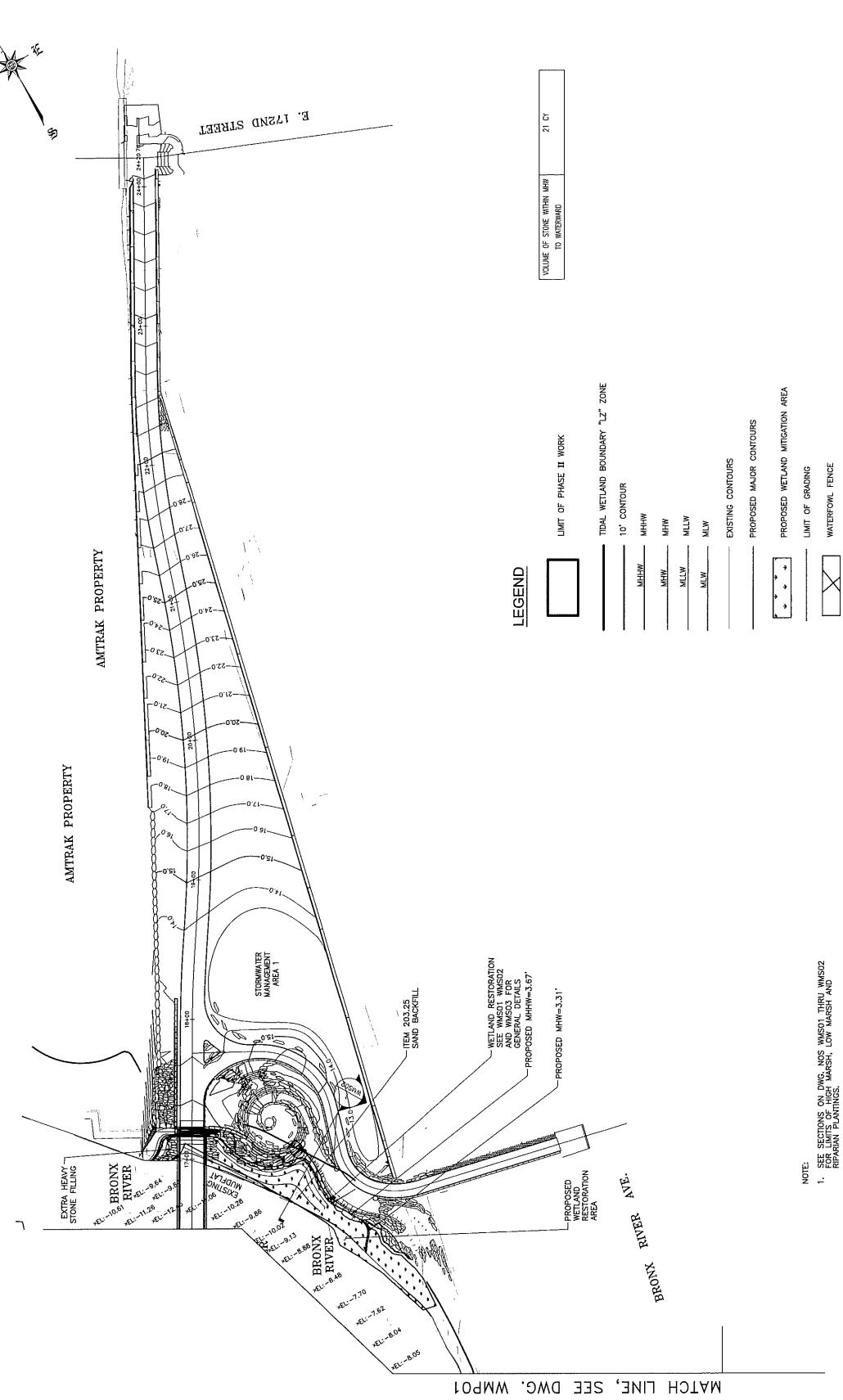
LICENSED LAND SURVEYOR  
SIGNATURE

DRYING DETAIL - 1  
STARLIGHT PARK, PHASE II

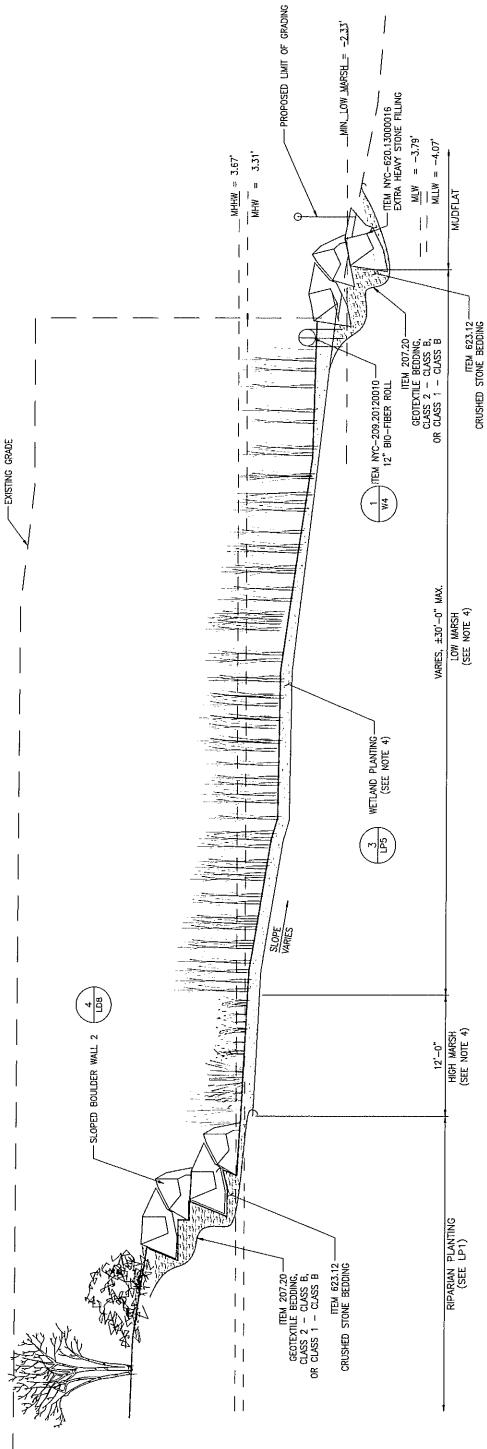
NAN.2016-01776-ETHA



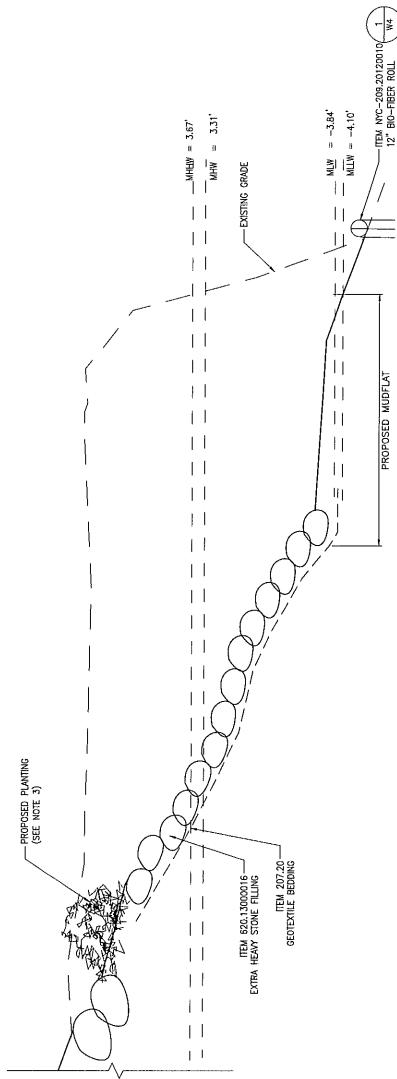
NAN-2016-01776-ETHA



NANJ-2016-01776-E-HA



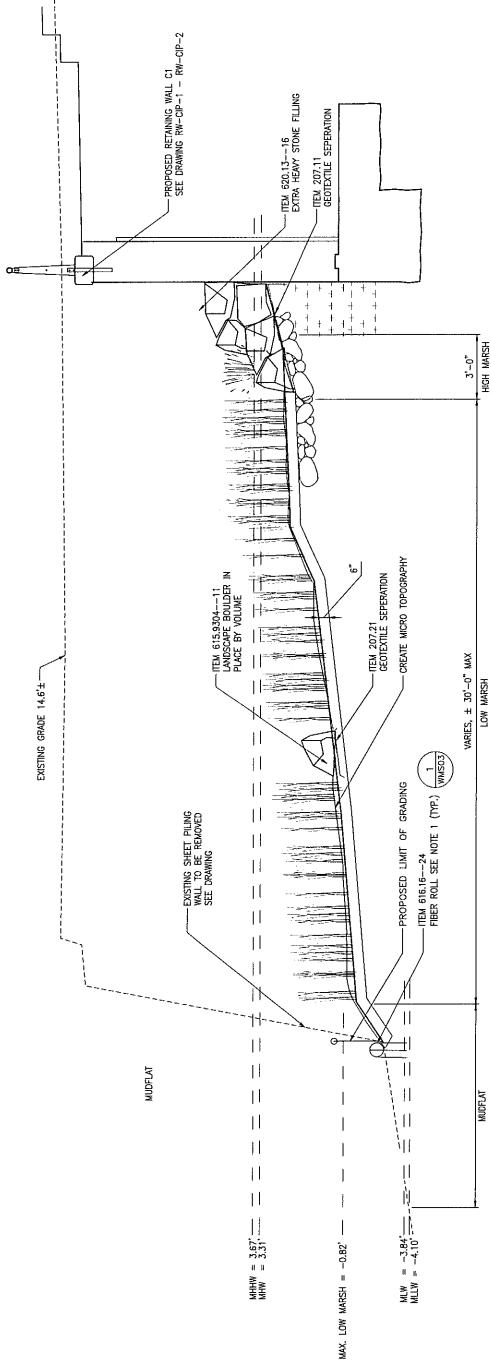
WETLAND MARS RESTORATION CROSS SECTION



**WETLAND MARS RESTORATION CROSS SECTION**

TOPOGRAPHIC SURVEY PREPARED BY: THE RBA GROUP NAME OF CONSULTANT _____ SIGNATURE _____		DRAWN BY <u>RANDALL IDE</u> CADD FILE # <u>CBD-3534g</u>	DATE _____	REVISIONS <b>16</b>
LICENSED LAND SURVEYOR		AS SHOWN	SCALE	
		CITY OF NEW YORK DEPARTMENT OF DESIGN + CONSTRUCTION DIVISION OF INFRASTRUCTURE BUREAU OF DESIGN		
		WETLAND MITIGATION SECTIONS - 1 STARLIGHT PARK PHASE II		CONSTRUCTION OF STARLIGHT PARK - PHASE II Borough of THE BRONX PROJECT ID: P-4PBSTAR DATE: 01/07/06 SHEET NO. 1 OF 1 REVISIONS <b>16</b>

NAN-2016-013776-ETM



REFERENCES:

- DOC. INC.  
1. WETLAND RESTORATION PLANS  
WATER = WRP02  
UAC01 = UAC07  
LAT01 = LAT03  
WRS03
2. PLANT PLAN  
3. PLANT LISTS  
4. WETLAND RESTORATION NOTES

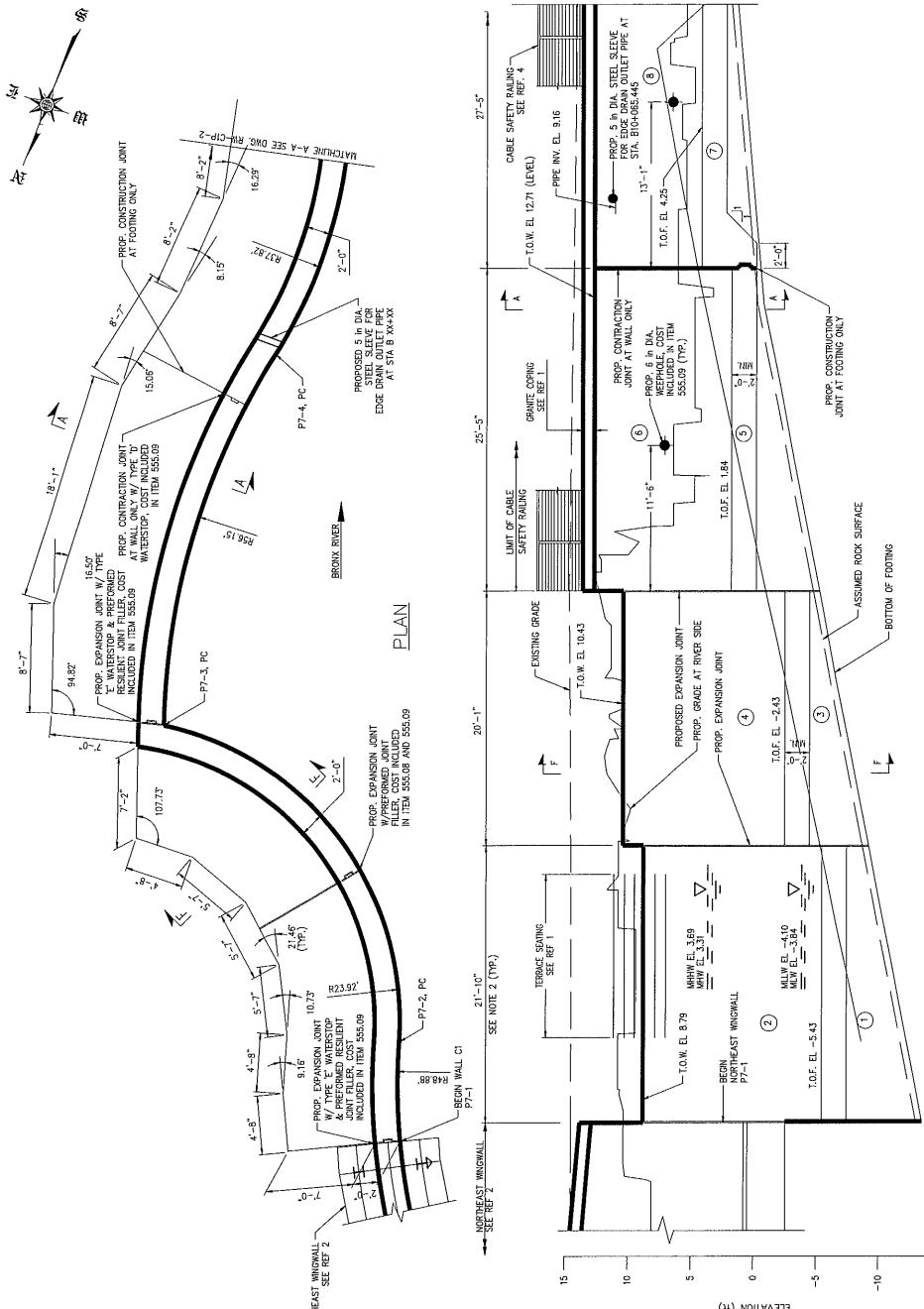
NOTES:

1. ALL FIBER ROLLS SHALL BE INSTALLED AND MAINTAINED PRIOR TO AND  
UNTIL ALL EXCAVATION TO THE PROPOSED GRADE IS COMPLETE.  
2. WATERWALL FENCES NOT SHOWN FOR CLARITY.

1 WETLAND MARSH RESTORATION SECTION  
SCALE: 1" = 10'

TOPOGRAPHIC SURVEY PREPARED BY: LICENCED LAND SURVEYOR	FINAL DESIGN PREPARED BY: THE TPA GROUP LLC SIGNATURE _____	CITY OF NEW YORK		DEPARTMENT OF DESIGN + CONSTRUCTION DIVISION OF INFRASTRUCTURE BUREAU OF DESIGN	WETLAND MITIGATION SECTIONS - 2 STARLIGHT PARK PHASE I	CONSTRUCTION OF STARLIGHT PARK - PHASE II Bureau of the Bronx	PROJECT ID: P-1FBSTAR DATE: 8/20/16
		DRAWN BY / DATE / IDE CADD FILE: 2000-20.dwg	SCALE AS SHOWN DATE _____				

NAN-2016-01776-EHRA



ELEVATION  
LOOKING FRONT FACE OF THE WALL

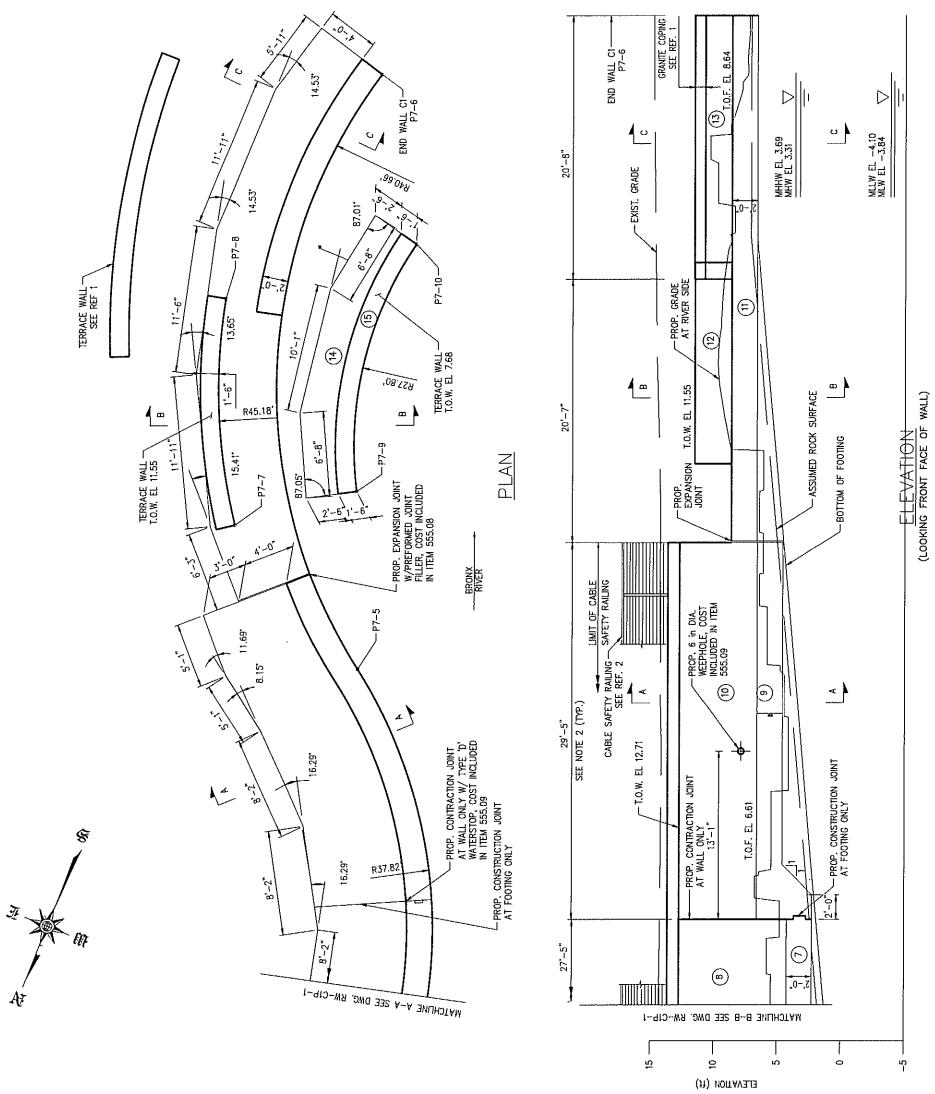
	<p><b>REMARKS:</b></p> <ol style="list-style-type: none"> <li>1. LAND CARE AREA 3</li> <li>2. NORTH-EAST INDOOR, IEN 2298600)</li> <li>3. WATER STOP AND DRAIN DETAILS S</li> <li>4. CABLE RAILING</li> <li>5. SECTION A-A &amp; F-F</li> </ol>	<p><b>DISC. NO.</b></p> <p>L4.5-01 ST-16 RH-01E-2 GD-03 To RH-CIN-3</p>	<p><b>FINAL DESIGN PREPARED BY:</b></p> <p>THE RIB GROUP TABLE OF COORDINATES</p>	<p><b>TODORGRAPHIC SURVEY PREPARED BY:</b></p> <p>LICENSED LAND SURVEYOR</p>
--	---	---	---	--

CONTINUOUS

**CONSTRUCTION OF STARLIGHT PARK - PHASE II**  
 BOROUGH OF THE BRONX  
 PROJECT NO. 10-10000-10000-00000  
 CONTRACT NO. 10-10000-10000-00000  
 DATE 01-01-2000

ASE II

NAN-2016-011776-EM



WORKING POINTS		
POINT NO.	NORTHING	EASTING
P7-5	241497.73	1016547.07
P7-6	241453.66	101652.04
P7-7	241493.70	101656.11
P7-8	241474.41	101657.16
P7-9	241484.61	101652.13
P7-10	241465.09	101654.70

CONCRETE TABLE		
PLACEMENT	QUANTITY (CY)	ITEM NO.
(1)	SEE Dwg. NO. RW-CP-1	
(2)	21.24	555.08
(3)	12.53	555.09
(4)	25.15	555.08
(5)	1.83	555.08
(6)	3.15	555.09
(7)	4.12	555.08

- NOTES:
1. FOR CAST-IN-PLACE GENERAL NOTES, SEE Dwg. RW-NOT.
  2. WALL LENGTHS SHOWN IN ELEVATION ARE ALONG FRONT FACE OF WALL.
  3. CONTRACTOR TO ESTIMATE ACTUAL TOP OF ROCK ELEVATION PRIOR TO CONSTRUCTING WALL.
  4. TOP OF CAST-IN-BLOCK CONCRETE WALL ELEVATIONS ARE SHOWN TO THE TOP OF CONCRETE, OR COPING THICKNESS AND DETAILS, SEE REF. 1.
  5. WHERE FLOORING CORNER ANGLE IS NOT INDICATED IN PLAN, THE CORNER ANGLE SHALL BE 90°.
- (No.) INDICATES CONCRETE PLACEMENT NUMBER

REF.	DATE	DESCRIPTION	BY	APPROVED

CITY OF NEW YORK  
DEPARTMENT OF DESIGN + CONSTRUCTION  
DIVISION OF INFRASTRUCTURE  
BUREAU OF DESIGN

CONSTRUCTION OF STARLIGHT PARK - PHASE II  
RETAINING WALL C1 PLAN AND ELEVATION 2  
STARLIGHT PARK PHASE I  
PROJECT ID: P-1FBSTAR

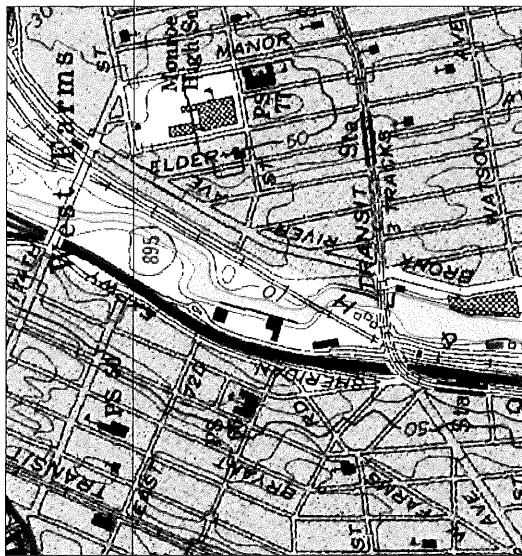
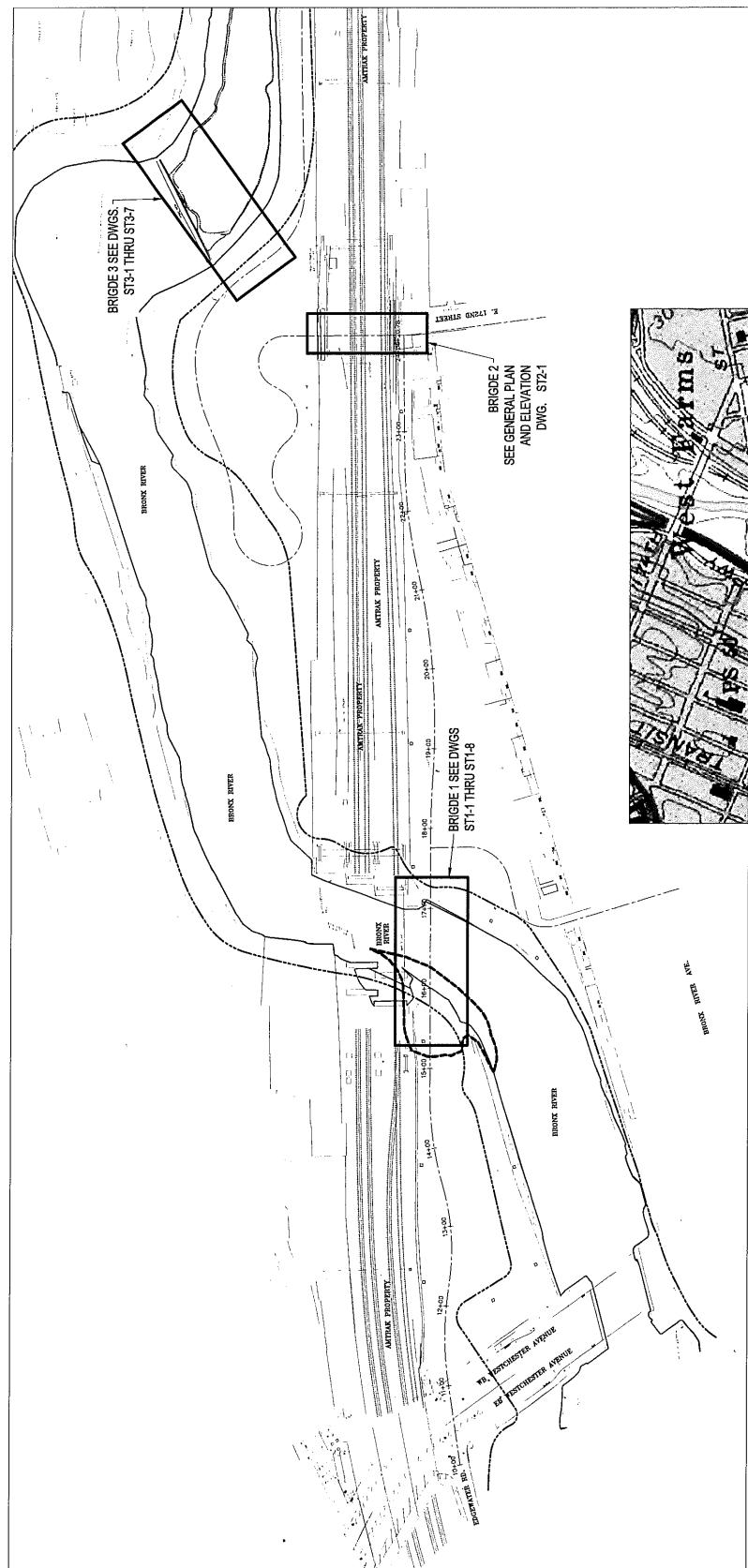
GRAPHIC SCALE: 1" = 4'  
0' 4' 8' 12'

- REFERENCES:
1. LANDSCAPE AREA 3 LA-3-01 QD23 TO QD24
  2. CABLE RAILING THE RBA CONSULTANT  
NAME OF CONSULTANT  
SIGNATURE
  3. WATER STOP AND JOINT DETAILS  
RW-CP-2  
RW-CP-3
  4. SECTION A-A, B-B, AND C-C

6169 12-11-2016 10:57:37 AM (EST)  
Engineering Drawing  
Software Version 10.0.0.0  
Copyright © 2016 by The RBA Group, Inc.

TOPOGRAPHIC SURVEY PREPARED BY:  
LICENCED LAND SURVEYOR

NAN-2016-01776-ETR



USGS CONTOUR MAP

TOPOGRAPHIC SURVEY PREPARED BY: THE STATE OF NEW YORK	FINAL DESIGN PREPARED BY: THE STATE OF NEW YORK	DRAWN BY RANDALL DE DATE	SCALE AS SHOWN	CAD FILE KEY-Dwg DATE
LICENSED LAND SURVEYOR	NAME OF SURVEYOR SIGNATURE	DATE		

NO.	DATE	DESCRIPTIONS REVISIONS	BY PREPARED

PROJECT ID: P-1PBSTAR	CONSTRUCTION OF STARLIGHT PARK - PHASE II BOROUGH OF THE BRONX BUREAU OF DESIGN
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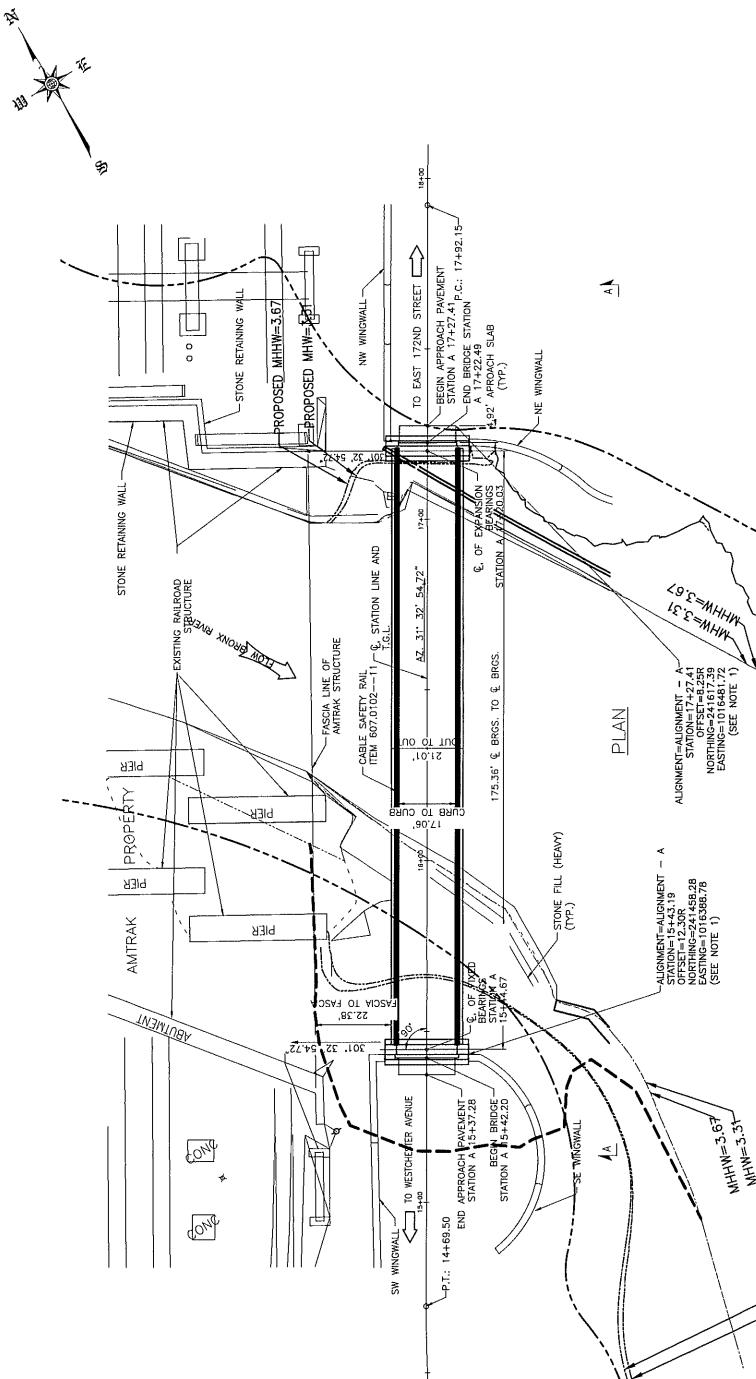
2016-01776-ETR

10-12-15

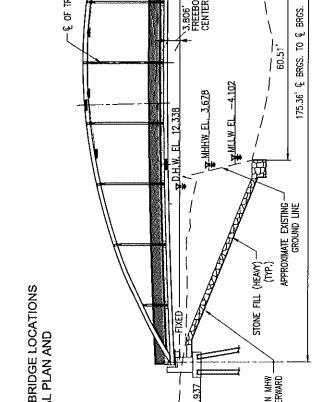
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10-12-15

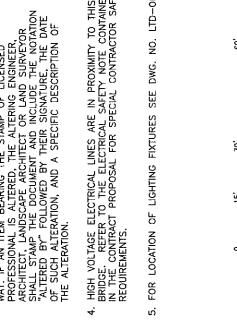
NAN-2016-01776-6HA



- BETWEEN THE ENVIRONMENTAL PLANS AND GENERAL PLAN AND ELEVATION  
MHHW=3.67
1. COORDINATES PROVIDED TO ASSIST IN COMPARING BRIDGE LOCATIONS  
BETWEEN THE ENVIRONMENTAL PLANS AND GENERAL PLAN AND ELEVATION  
MHHW=3.67



ELEVATION A-A



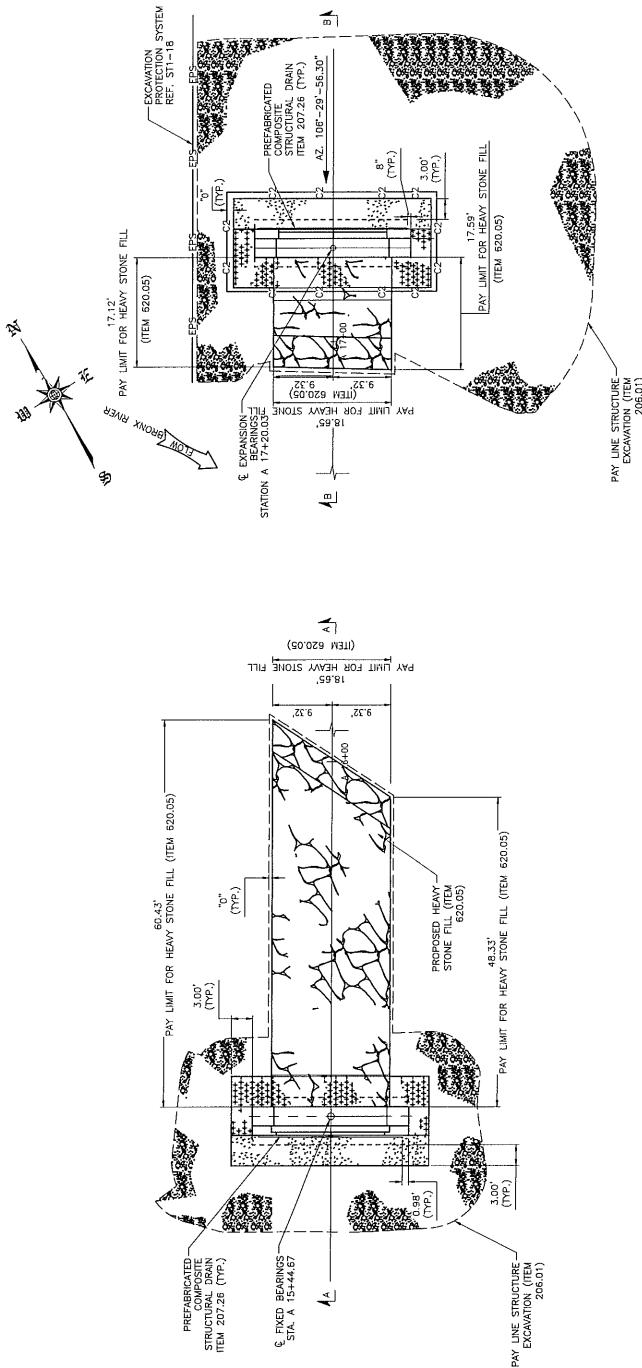
GRAPHIC SCALE: 1" = 15'

NO.	DATE	DESCRIPTIONS	BY APPROVED

CONSTRUCTION OF STARLIGHT PARK - PHASE II			
GENERAL PLAN AND ELEVATION — BRIDGE 1			
PROJECT ID: P-1PBSTAR	DATE: 07/16/2016	OWNER: CITY OF NEW YORK	BY APPROVED
NYSDOT BIN # 226990	DESIGNER: DEPARTMENT OF DESIGN + CONSTRUCTION	DIVISION OF INFRASTRUCTURE	
	BUREAU OF DESIGN		

TOPOGRAPHIC SURVEY PREPARED BY:	FINAL DESIGN PREPARED BY: THE RAILROAD COMPANY SIGNATURE	DRAWN BY XX XX/X/X DATE: 07/16/2016	SCALE: 1" : 15' CADD FILE: PBL_Plan.dwg
LICENSED LAND SURVEYOR			

NAN-2016-01776-6HHA



REFERENCES  
GENERAL PLAN  
LEGEND, EXCAVATION AND EMBANKMENT, AND  
SECTIONS A-A, B-B  
STI-1  
STI-3  
STI-4  
STI-7 & STI-8 - ENDING ABUTMENT  
STI-8 - ELASTOMERIC BEARINGS

NOTE: ITEM 620.05 - STONE FILLING, (HEAVY) SHALL BE WARNED TO MEET STONE FILLING  
ITEM 620.05 - THAT IS TO BE PLACED UPSTREAM AND DOWNSTREAM OF LIMITS OF BRIDGE ESTIMATE.

NO.	DATE	DESCRIPTIONS	REVISIONS	BY APPROVED

GRAPHIC SCALE: 1" = 6'

EXCAVATION AND EMBANKMENT PLAN -  
BRIDGE 1 -  
NYSDOT BIN # 2269300  
CONSTRUCTION OF STARLIGHT PARK - PHASE II  
STARLIGHT PARK PHASE II  
PROJECT ID: P-HPBSTAR  
DATE: 1/16/2016  
BUREAU OF DESIGN

TOPOGRAPHIC SURVEY PREPARED BY:  
THE RIB GROUP INC.  
SIGNATURE \_\_\_\_\_  
LICENSED LAND SURVEYOR  
SIGNATURE \_\_\_\_\_

0 5' 10' 15' 20'

CONTRACT NUMBER

01/16/2016

01/16/2016

01/16/2016

01/16/2016

01/16/2016

01/16/2016

01/16/2016

01/16/2016

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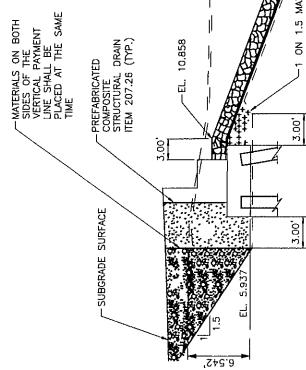
01/16/2016

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01/16/2016

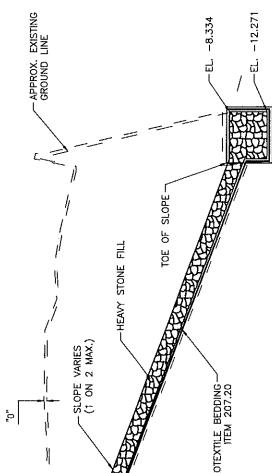
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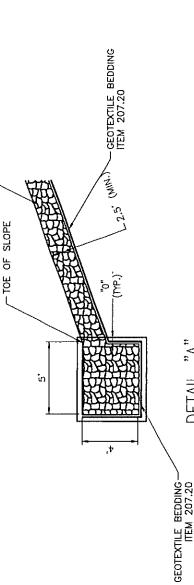
SECTION A-A

LEGEND

- EXISTING GROUND SURFACE
- ██████████ SELECT STRUCTURE TIL (ITEM 201.1), COMPACTED TO 95% OF STANDARD PROCTOR MAXIMUM DENSITY
- ██████████ HIGHWAY ENVIRONMENT MATERIAL (HIGHWAY ESTIMATE)
- ██████████ BACKFILL WITH SUITABLE EXCAVATED MATERIAL AS PROVIDED FOR IN ITEM 206.02, TRENCH & CULVERT EXCAVATION, OR STONE FILLING (HEAVY), (ITEM 620.05)
- ██████████ PREFABRICATED COMPOSITE STRUCTURAL DRAIN (ITEM 207.26)
- AREA ENCLOSED WITHIN THESE LINES DESIGNATES PAYMENT LINES FOR STRUCTURE EXCAVATION (ITEM 206.1). (BRIDGE ESTIMATE) EXCAVATION LIMITS SHOWN ON THIS DRAWING DO NOT INCLUDE THE WINGWALL, SPANNING FEET, ADDITIONAL PIERATION, OR CLASS 1 / COMBINATION MONOFILAMENT, FIBRILLATED WOVEN, BD CLASS B
- AREA ENCLOSED WITHIN THESE LINES DESIGNATES PAYMENT LINE FOR TRENCH & CULVERT EXCAVATION (ITEM 206.2)
- C2 — DESIGNATES COFFERDAM (TYPE 2).
- ITEM 53.020001



SECTION B-B



REFERENCES

ST1-1	GENERAL PLAN
ST1-2	EXCAVATION AND EMBANKMENT
ST1-4	ENDING ABUTMENT

TOPOGRAPHIC SURVEY PREPARED BY:	FINAL DESIGN PREPARED BY:		DRAWN BY: XX CADD FILE: SPBL.DWG Rev. XX	DEPARTMENT OF DESIGN + CONSTRUCTION DIVISION OF INFRASTRUCTURE BUREAU OF DESIGN	EXCAVATION AND EMBANKMENT SECTIONS AND DETAILS — BRIDGE 1		CONSTRUCTION OF STARLIGHT PARK - PHASE II STARLIGHT PARK PHASE II
	THE TRBA GROUP Signature	XX/XX/XX Date			NSDOT BIN # 2269960	PROJECT ID: P-1PBSTAR	
LICENSED LAND SURVEYOR							GRAPHIC SCALE: 1" = 6' 0' 5' 10' 15' 20'

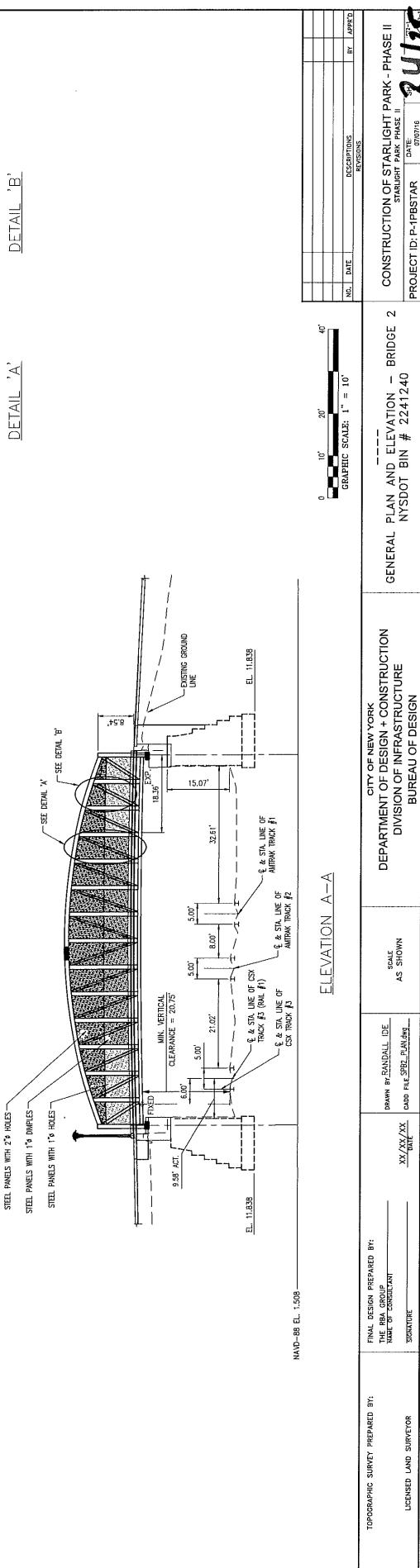
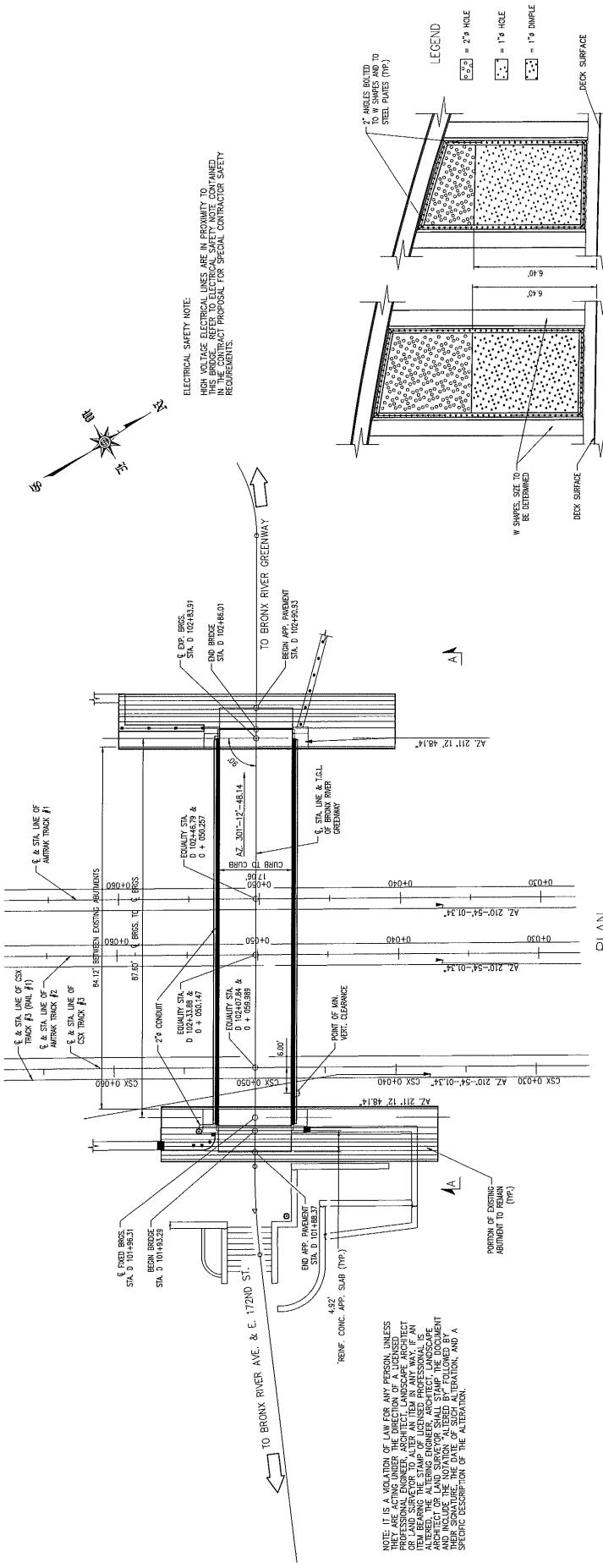
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CONSTRUCTION

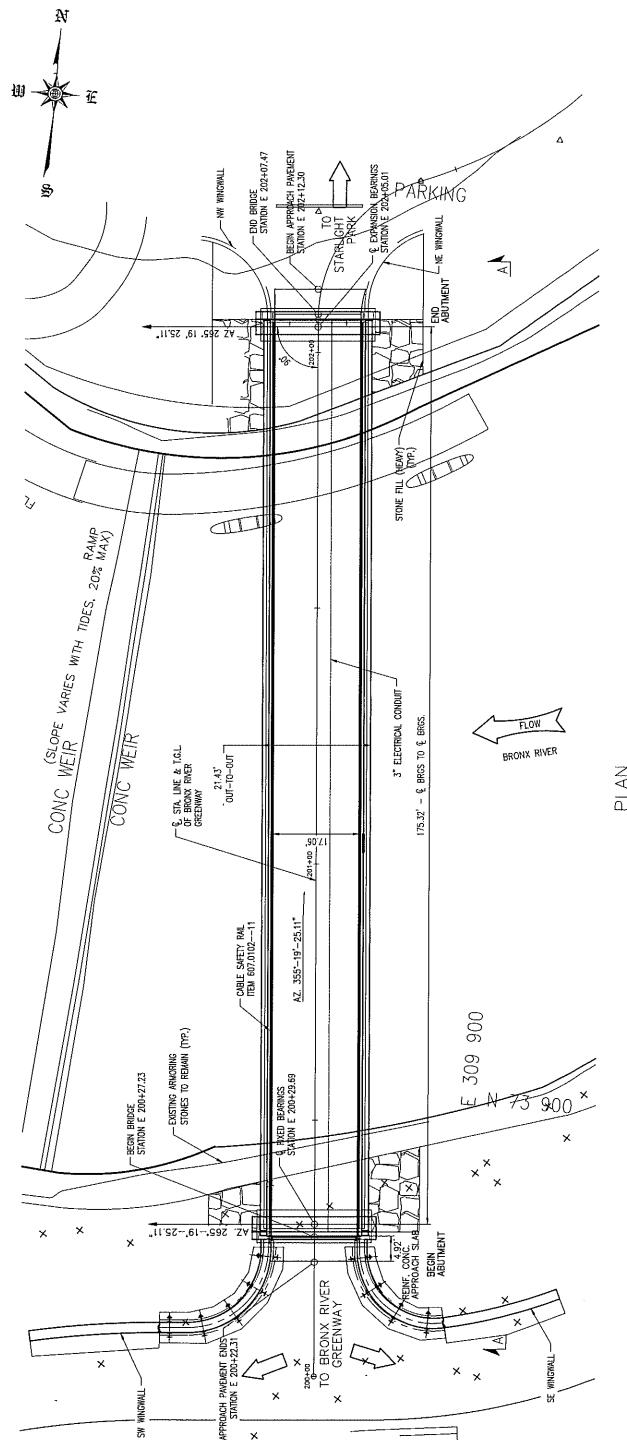
SECTION

DETAIL

NAN-2016-01736-CHM



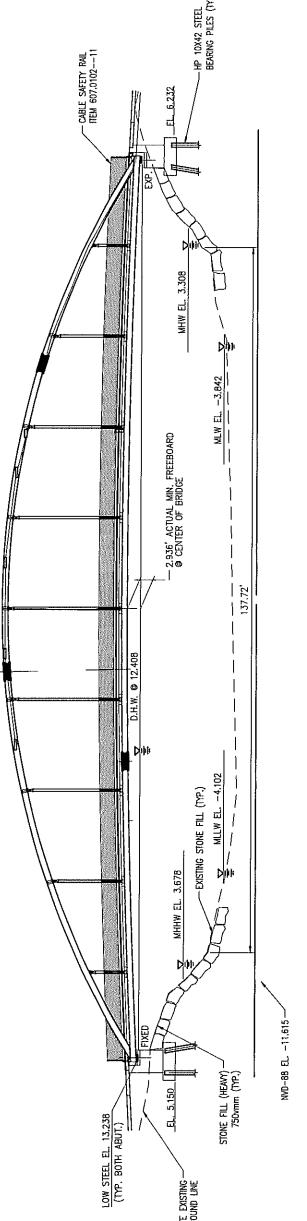
NAN-2016-01776-ETM



HYDRAULIC DATA			
DRAINAGE AREA, ACRES	PERFECT FLOOD	DEFECTIVE FLOOD	
RECOVERY INTERVAL (YEARS)	100	100	
PEAK DISCHARGE	—	—	129.09
HIGH WATER ELEVATION AT POINT OF MAX. BACKWATER	EXISTING	10,896	9,646
PROPOSED	10,896	9,456	
Avg. VELOCITY THRU STRUCT. @ DEFECTIVE FLOOD	1.97	1.76	1 SEC.

**NOTES.**

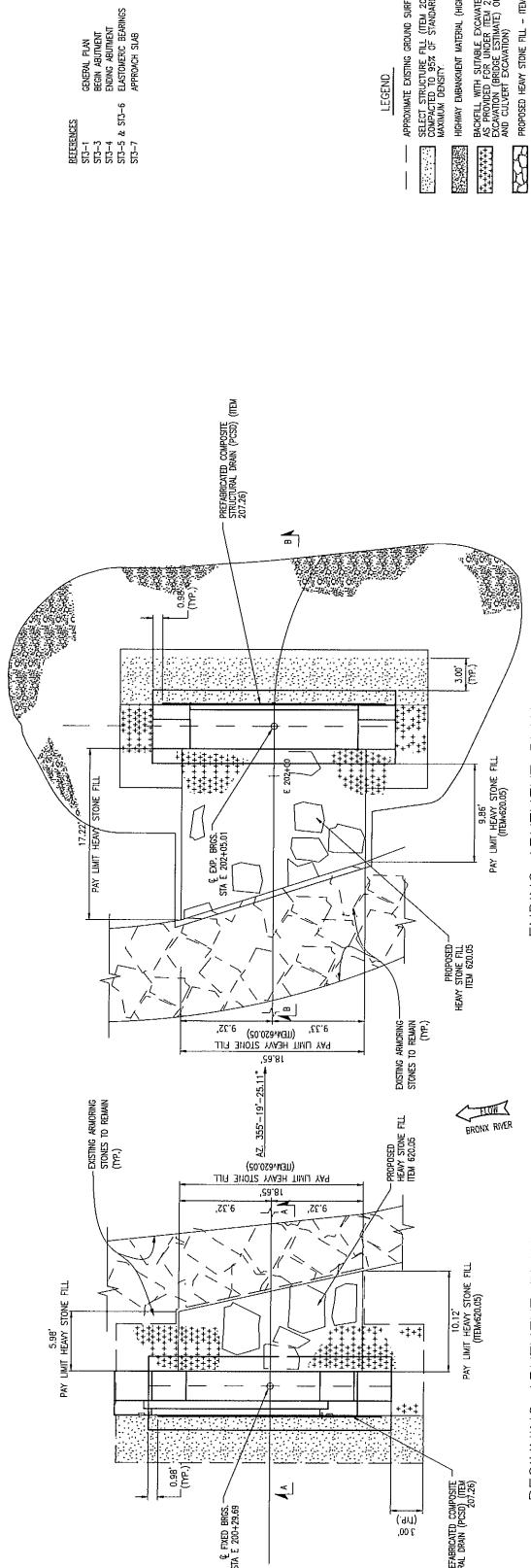
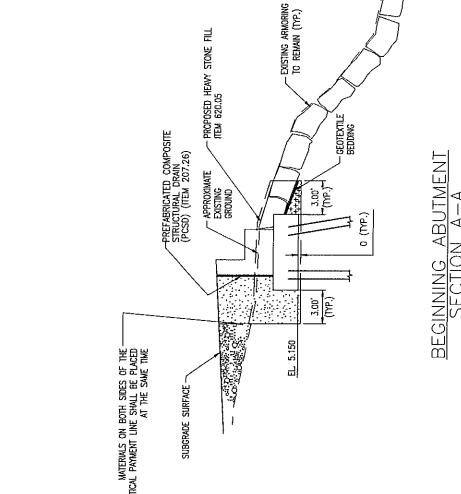
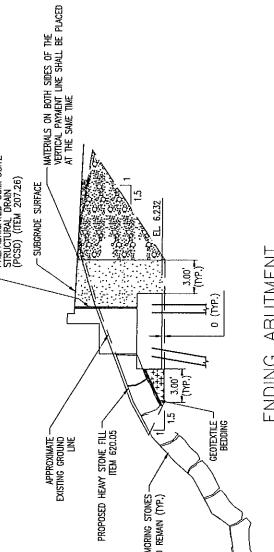
1. THE MASK LOGO WATER MARK POINTS OF MINIMUM  
WATER LEVEL. THIS WATER MARK IS USED INSTEAD  
OF THE DESIGN FLOOR LEVEL TO DETERMINE MINIMUM FREEBOARD TO  
REGION 11.
2. WATER FROM LOFT STEEL TO MEAN HIGH  
WATER IS 1.93.
3. IT IS A VIOLATION OF LAW FOR ANY PERSON UNLESS  
THEY ARE ACTING UNDER THE DIRECTION OF A  
PROFESSIONAL ENGINEER OR ARCHITECT TO LANDSCAPE A  
PROPERTY IN A MANNER WHICH COULD CAUSE  
A HAZARD TO THE PUBLIC. IT IS THE DUTY OF  
THEIR EMPLOYER TO STAND UP FOR THEM.  
IT IS THE DUTY OF THE ALTERING ENGINEER,  
ARCHITECT, LANDSCAPE  
DESIGNER, AND HELD TO THE SAME  
STANDARD AS THE PROFESSIONAL  
ENGINEER OR ARCHITECT.  
THEIR SIGNATURE, THE DATE OF SUCH ALTERATION,  
SPECIFIC DESCRIPTION OF THE ALTERATION,
4. FOR LOCATION OF LIGHTING FIXTURES SEE DING. NO.  
5. 500 FEET OF PROPOSED VS. EXISTING STONE FILL  
SHOULD NOT EXCEED 100 FEET.



ELEVATION A-A

TOPOGRAPHIC SURVEY PREPARED BY: THE HARRIS CONSULTANT LICENCED LAND SURVEYOR		FINAL DESIGN PREPARED BY: THE HARRIS CONSULTANT LICENCED LAND SURVEYOR	DRAWN BY RANDALL IDE XX/XX/X SIGNATURE	SCALE AS SHOWN CARD FILE SPB-20-Neg XX/XX/X SIGNATURE	DEPARTMENT OF INFRASTRUCTURE DIVISION OF INFRASTRUCTURE BUREAU OF DESIGN	GENERAL PLAN AND ELEVATION BRIDGE 3
<p>GRAPHIC SCALE: 1" = 10'</p>						

NAN-2016-01776-ENTR

**BEGINNING ABUTMENT SECTION A-A****BEGINNING ABUTMENT PLAN****BEGINNING ABUTMENT SECTION A-A****ENDING ABUTMENT SECTION B-B****ENDING ABUTMENT SECTION B-B****ENDING ABUTMENT PLAN****CONTRACTOR****ZAPCO**

NO.	DATE	DESCRIPTIONS	BY APPROV

0 5' 10' 20'  
GRAPHIC SCALE: 1" = 5'

REFERENCE: 1. ST3-1 2. GENERAL PLAN

3. STA 3-3

4. BEGIN ABUTMENT

5. ENDING ABUTMENT

6. ESD-5 &amp; ST3-6

7. APPROACH SLAB

REFERENCES: 1. ST3-1 2. GENERAL PLAN

3. STA 3-3

4. BEGIN ABUTMENT

5. ENDING ABUTMENT

6. ESD-5 &amp; ST3-6

7. APPROACH SLAB

PROJECT ID: P-1PESTAR	DATE	SPEC	REV
NYSDOT BIN # 2259470	07/07/16	25	25

CITY OF NEW YORK  
DEPARTMENT OF DESIGN + CONSTRUCTION  
DIVISION OF INFRASTRUCTURE  
BUREAU OF DESIGNCONSTRUCTION OF STARLIGHT PARK - PHASE II  
STARLIGHT PARK PHASE II