

Appendix 1: Permit Sketches



Joint Permit Application Package
Albany Port District Commission

Port of Albany Expansion Project

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McFarland Johnson
 60 RAILROAD PLACE
 SUITE 402
 SARATOGA SPRINGS, NEW YORK 12866
 P: 518-580-9380 F: 518-580-9383
 SaratogaROM@mjinc.com

PROJECT MILESTONE
PERMIT SKETCHES

NO.	DATE	DESCRIPTION

CLIENT:
ALBANY PORT DISTRICT COMMISSION
 ALBANY, NEW YORK

PROJECT:
PORT OF ALBANY EXPANSION SITE

DRAWN	JES
DESIGNED	NSO
CHECKED	AJF
SCALE	1"=250'
DATE	MAY 2022
PROJECT	18641.00

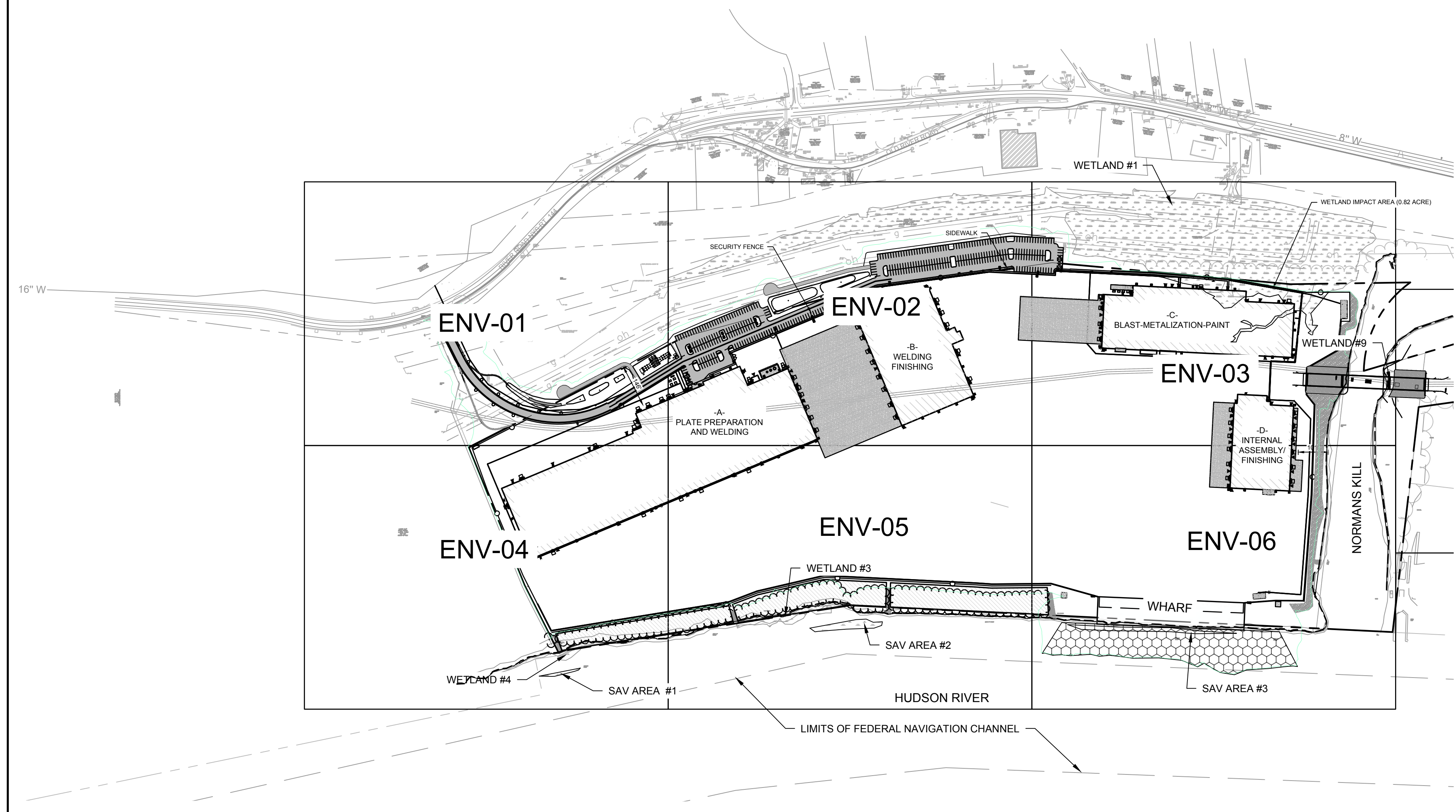
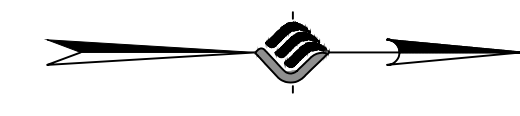
IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECT DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE, THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

DRAWING TITLE
ENVIRONMENTAL PLAN NOTES & INDEX

DRAWING NUMBER

ENV-00

2 OF 18



GRADING NOTES:

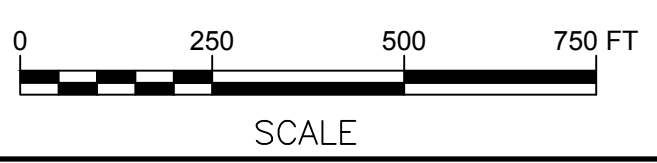
1. REMOVE AND STOCKPILE TOPSOIL AS DIRECTED BY THE CONSTRUCTION MANAGER. REPLACE TOPSOIL TO A MINIMUM 4" DEPTH. ALL DISTURBED AREAS TO BE HYDROSEEDDED AS DIRECTED BY THE CONSTRUCTION MANAGER.
2. CONTRACTOR SHALL BE RESPONSIBLE FOR THE MAINTENANCE AND REMOVAL OF TEMPORARY SEDIMENTATION CONTROLS, INCLUDING INLET PROTECTION AND SILT FENCE. EROSION CONTROL MEASURES SHALL NOT BE REMOVED BEFORE VEGETATION HAS OCCURRED COMPLETELY.
3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR RESTORATION OF TOPSOIL TO ALL DISTURBED AREAS. IT IS THE CONTRACTOR'S RESPONSIBILITY TO MAINTAIN EROSION CONTROL MEASURES AT ALL TIMES.
4. EROSION CONTROL MEASURES WILL BE IMPLEMENTED IN ACCORDANCE WITH THE NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION, ALBANY COUNTY HEALTH DEPARTMENT, AND THE TOWN OF BETHLEHEM REQUIREMENTS.
5. ALL INLETS TO THE STORM SEWER SHALL HAVE STONE DROP INLET PROTECTION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING BEST MANAGEMENT PRACTICES (BMP'S) UNTIL GROUND COVER IS ESTABLISHED.
6. SILT FENCE, JUTE MESH, AND/OR EROSION CONTROL BLANKETS WILL BE USED ON STEEP SLOPES AND WHEREVER NECESSARY TO CONTROL EROSION AND SILTATION OF EXISTING DRAINAGE SYSTEMS AS ORDERED BY THE ENGINEER OR SPECIFIED ON PLANS.
7. THE CONTRACTOR SHALL DESIGNATE A MEMBER OF HIS/HER FIRM TO BE RESPONSIBLE TO MONITOR EROSION CONTROL, EROSION CONTROL STRUCTURES, TREE PROTECTION AND PRESERVATION THROUGHOUT CONSTRUCTION.
8. ALL GRADING AND EARTHWORK SHALL BE IN CONFORMANCE WITH NEW YORK STATE STANDARD SPECIFICATIONS SECTION 203 - EXCAVATION AND EMBANKMENT, WHICH INCLUDES MAXIMUM EMBANKMENT LIFT THICKNESS ALLOWED BASED ON THE COMPACTION EQUIPMENT USED.
9. ALL PROPOSED ELEVATIONS SHOWN HEREON ARE FINISHED GRADE ELEVATION.
10. CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING RIM ELEVATIONS IN RELATION TO PROPOSED GRADE PRIOR TO INSTALLATION.

STORM SEWER:

1. ALL HDPE PIPES SHALL FOLLOW NYSDOT SECTION 603-2 AND 706-12. BE SMOOTH INTERIOR.
2. PLACE RIP-RAP AROUND ALL END SECTIONS.
3. IN INSTANCES WHERE THE STORM SEWER CROSSES THE SANITARY SEWER A CRUSHED STONE ENCASUREMENT SHALL BE PROVIDED AROUND THE SANITARY SEWER UP TO THE STORM SEWER-COMPACT WITH APPROVED EQUIPMENT.
4. ALL CATCH BASINS AND STORM MANHOLES WITHIN PAVEMENT TO BE CONSTRUCTED TO WITHSTAND HS-20 LOADING.

LEGEND

PROPERTY LINE	-----
BUILDING SETBACK	-----
EXISTING RAIL LINE	
EXISTING TREE LINE	~~~~~
DITCH CENTERLINE	-----
ROADSIDE SWALE	-----
WETLAND AREA	▨

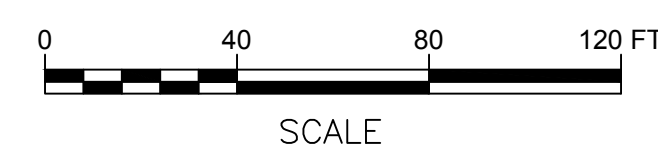
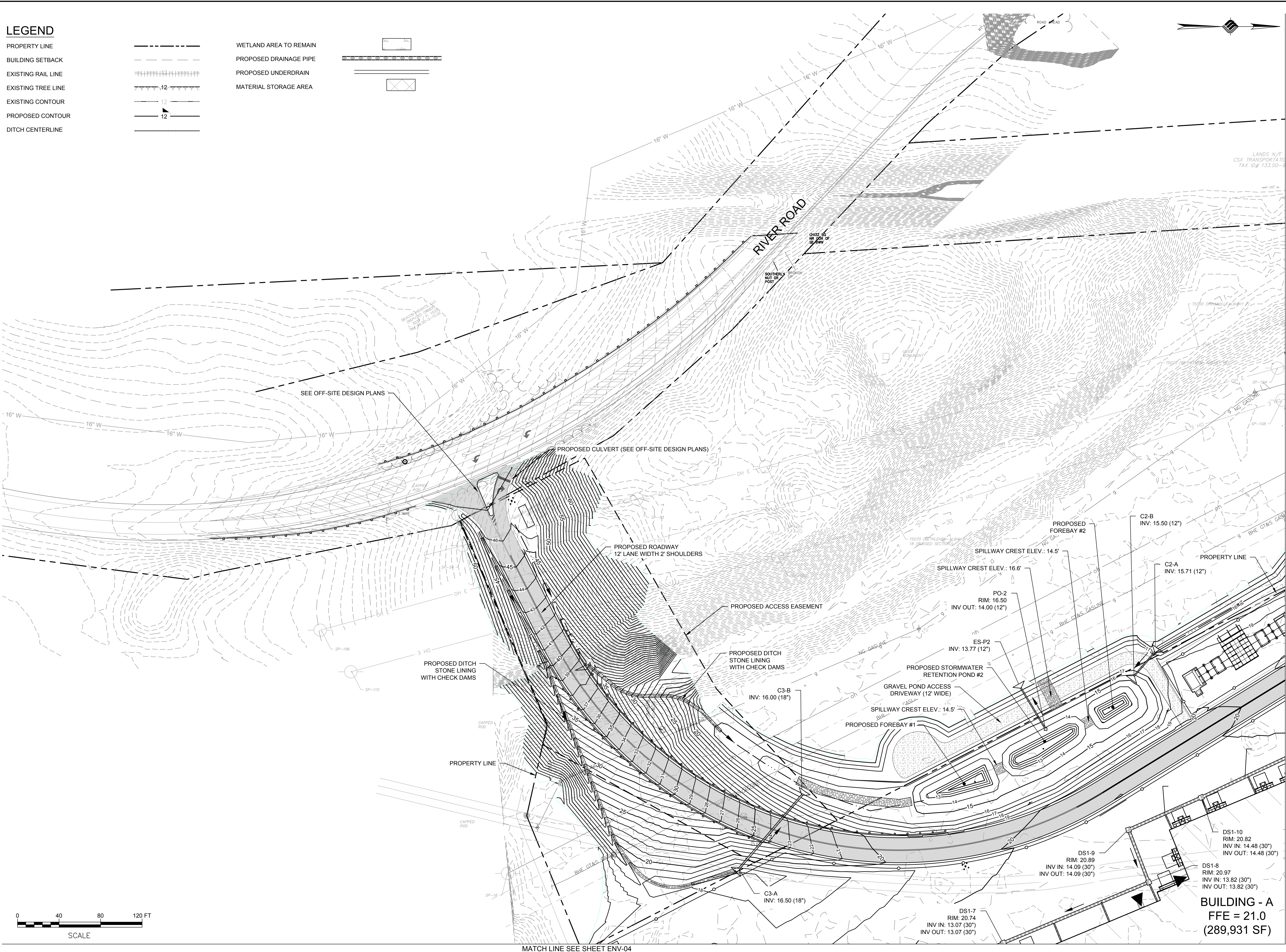
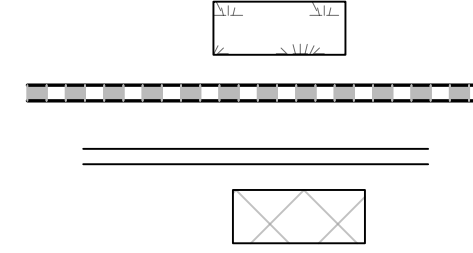


N:\18641\01 ALBANY PORT EXPANSION\DRAWINGS\ENVIRONMENTAL\ENV-00-ENV-00.DWG

LEGEND

- PROPERTY LINE
- BUILDING SETBACK
- EXISTING RAIL LINE
- EXISTING TREE LINE
- EXISTING CONTOUR
- PROPOSED CONTOUR
- DITCH CENTERLINE

- WETLAND AREA TO REMAIN
- PROPOSED DRAINAGE PIPE
- PROPOSED UNDERDRAIN
- MATERIAL STORAGE AREA



MATCH LINE SEE SHEET ENV-04

McFarland Johnson
 60 RAILROAD PLACE
 SUITE 402
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PROJECT MILESTONE
PERMIT SKETCHES

NO.	DATE	DESCRIPTION

CLIENT: **ALBANY PORT DISTRICT COMMISSION**
 ALBANY, NEW YORK
 PROJECT: **PORT OF ALBANY EXPANSION SITE**

DRAWN	JES
DESIGNED	NSO
CHECKED	AJF
SCALE	1"=40'
DATE	MAY 2022
PROJECT	18641.00

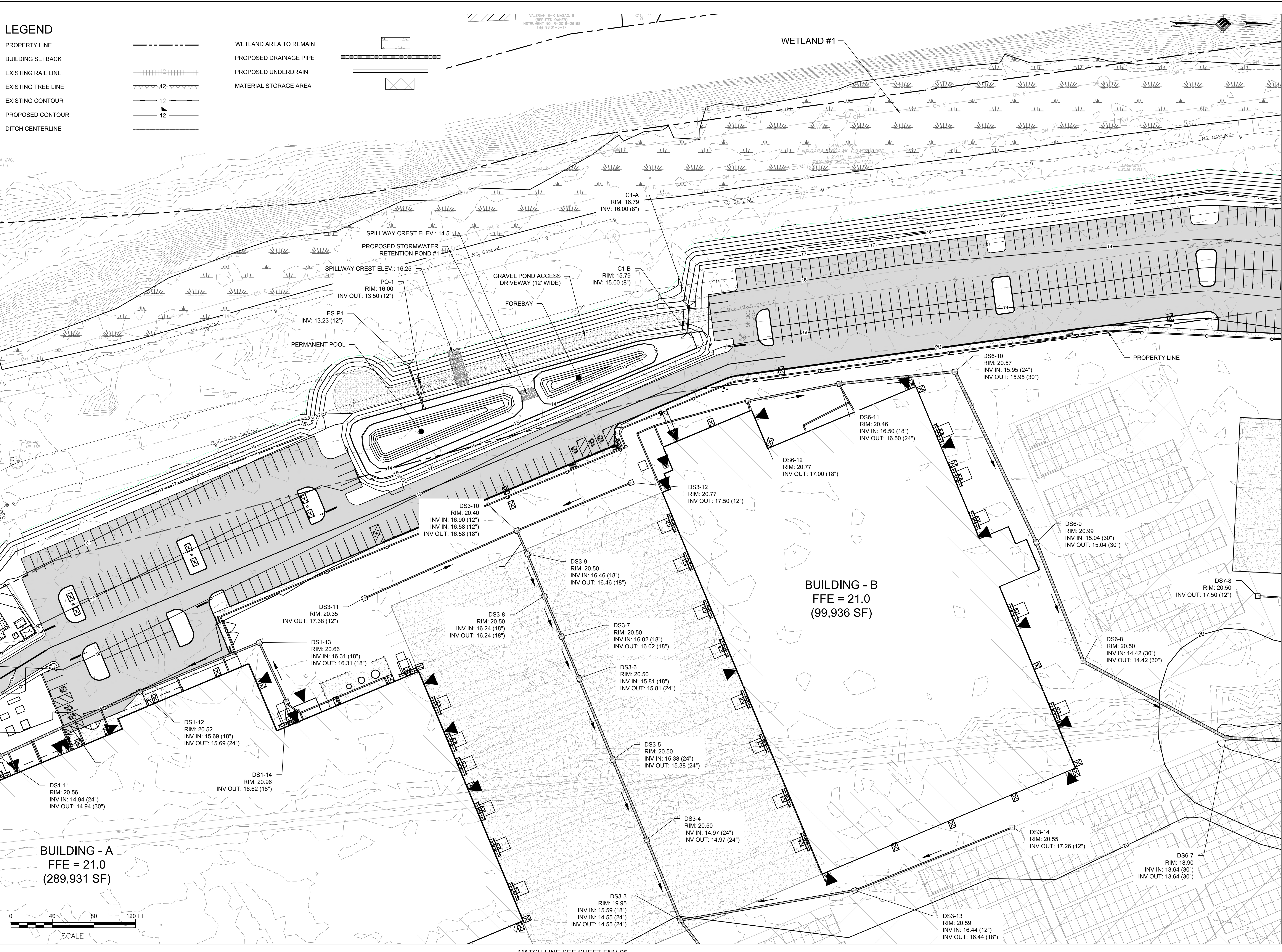
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DRAWING TITLE
ENVIRONMENTAL PLAN

DRAWING NUMBER
ENV-01

LEGEND

PROPERTY LINE		WETLAND AREA TO REMAIN	
BUILDING SETBACK		PROPOSED DRAINAGE PIPE	
EXISTING RAIL LINE		PROPOSED UNDERDRAIN	
EXISTING TREE LINE		MATERIAL STORAGE AREA	
EXISTING CONTOUR			
PROPOSED CONTOUR			
DITCH CENTERLINE			



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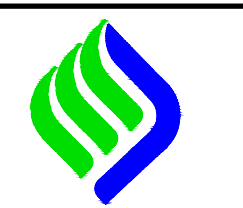
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ENV-02

4 OF 18

MATCH LINE SEE SHEET ENV-01



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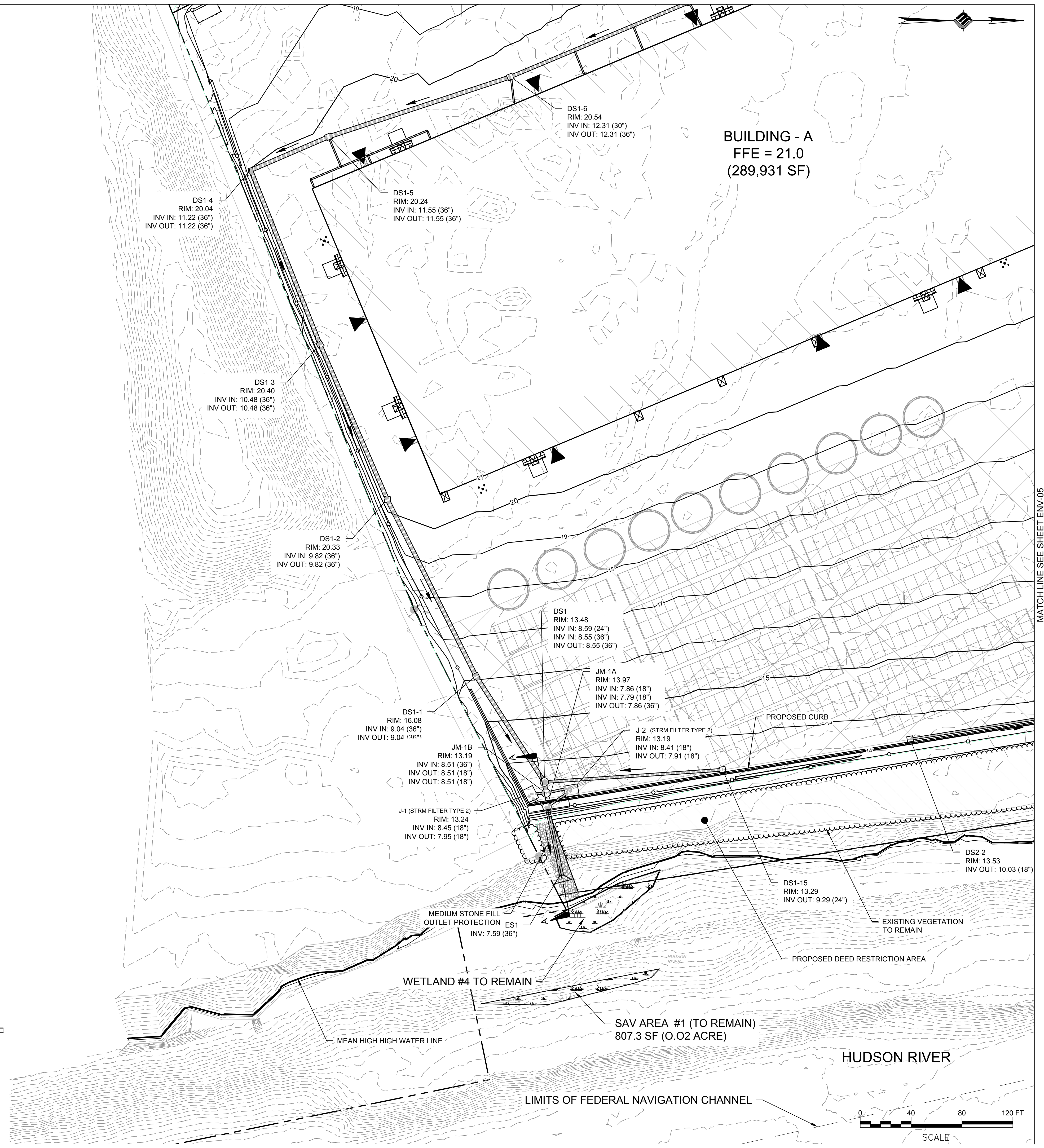
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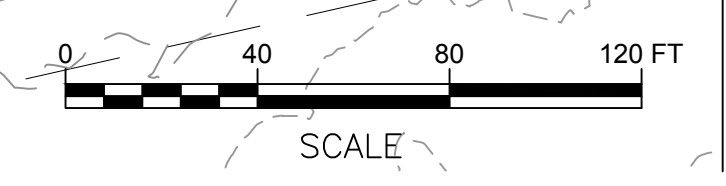
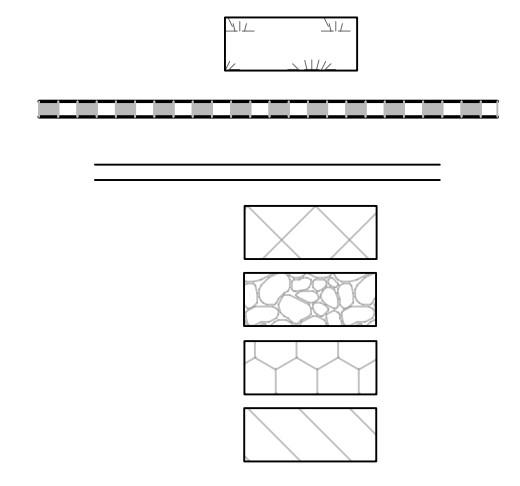
DRAWING NUMBER
ENV-04



LANDS N/F
 PSEG POWER
 L.2701, P.296
 TAX ID#
 98.00-2-10.1

LEGEND

- PROPERTY LINE
- BUILDING SETBACK
- EXISTING RAIL LINE
- EXISTING TREE LINE
- EXISTING CONTOUR
- PROPOSED CONTOUR
- DITCH CENTERLINE
- WETLAND AREA TO REMAIN
- PROPOSED DRAINAGE PIPE
- PROPOSED UNDERDRAIN
- MATERIAL STORAGE AREA
- PROPOSED RIP RAP
- HUDSON RIVER DREDGING
- DEED RESTRICTED AREA



N:\18641\04 ALBANY PORT EXPANSION\DRAWINGS\ENVIRONMENTAL\ENV-04.DWG



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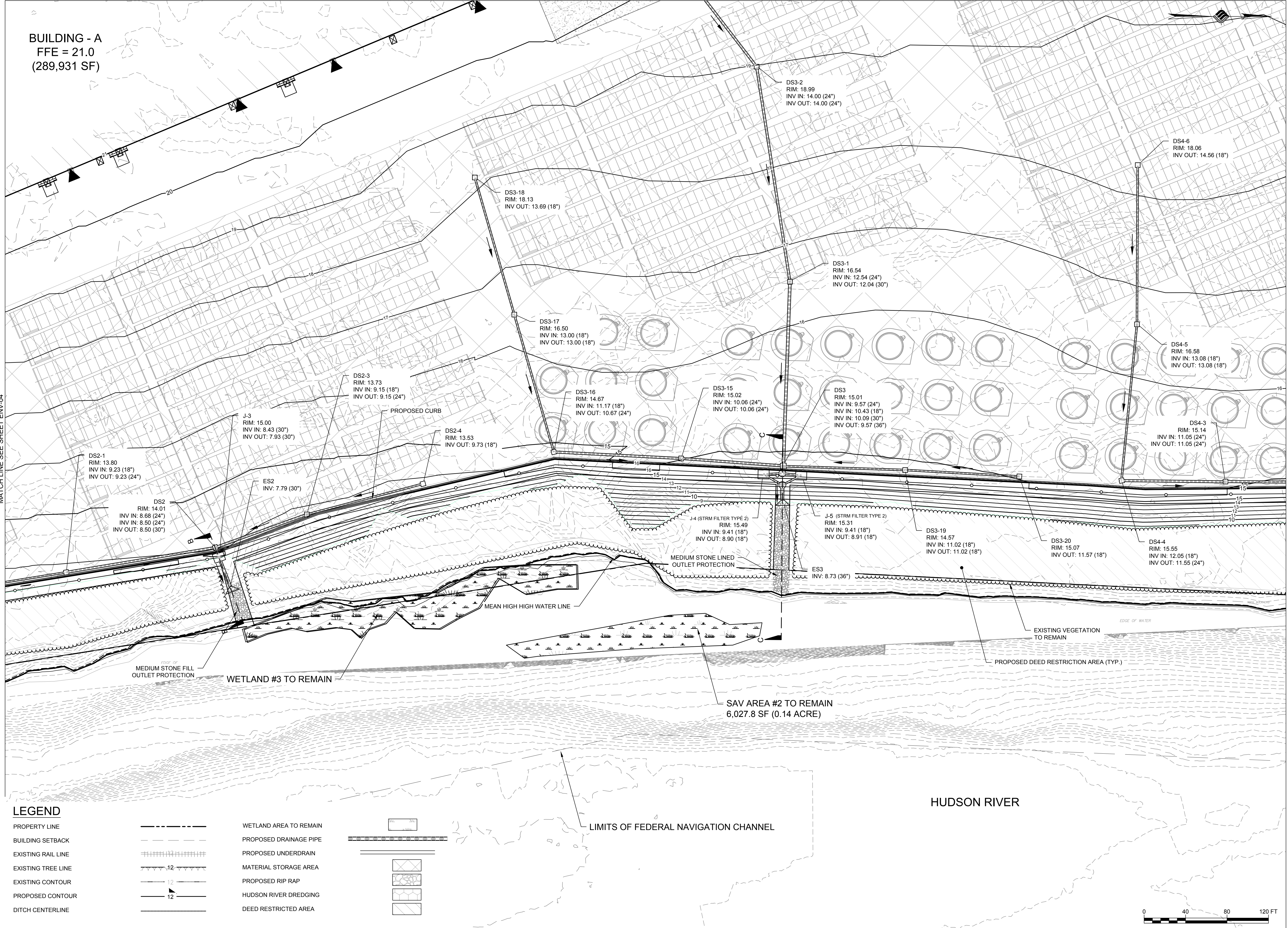
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ENV-05

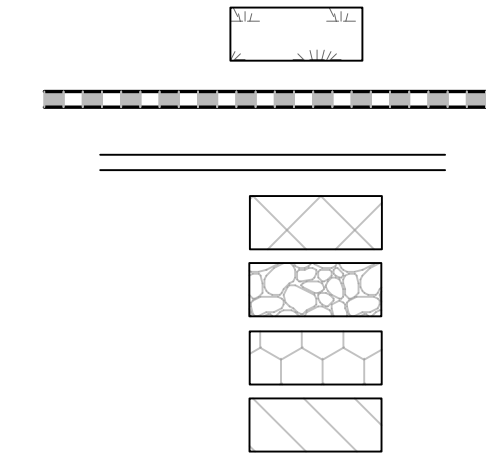
MATCH LINE SEE SHEET ENV-02

BUILDING - A
 FFE = 21.0
 (289,931 SF)

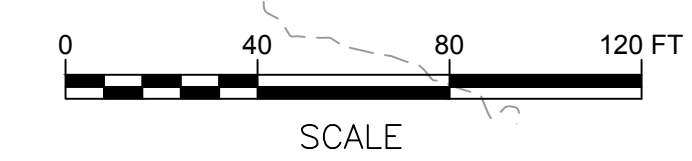


LEGEND

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- BUILDING SETBACK
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- EXISTING TREE LINE
- EXISTING CONTOUR
- PROPOSED CONTOUR
- DITCH CENTERLINE
- WETLAND AREA TO REMAIN
- PROPOSED DRAINAGE PIPE
- PROPOSED UNDERDRAIN
- MATERIAL STORAGE AREA
- PROPOSED RIP RAP
- HUDSON RIVER DREDGING
- DEED RESTRICTED AREA



LIMITS OF FEDERAL NAVIGATION CHANNEL



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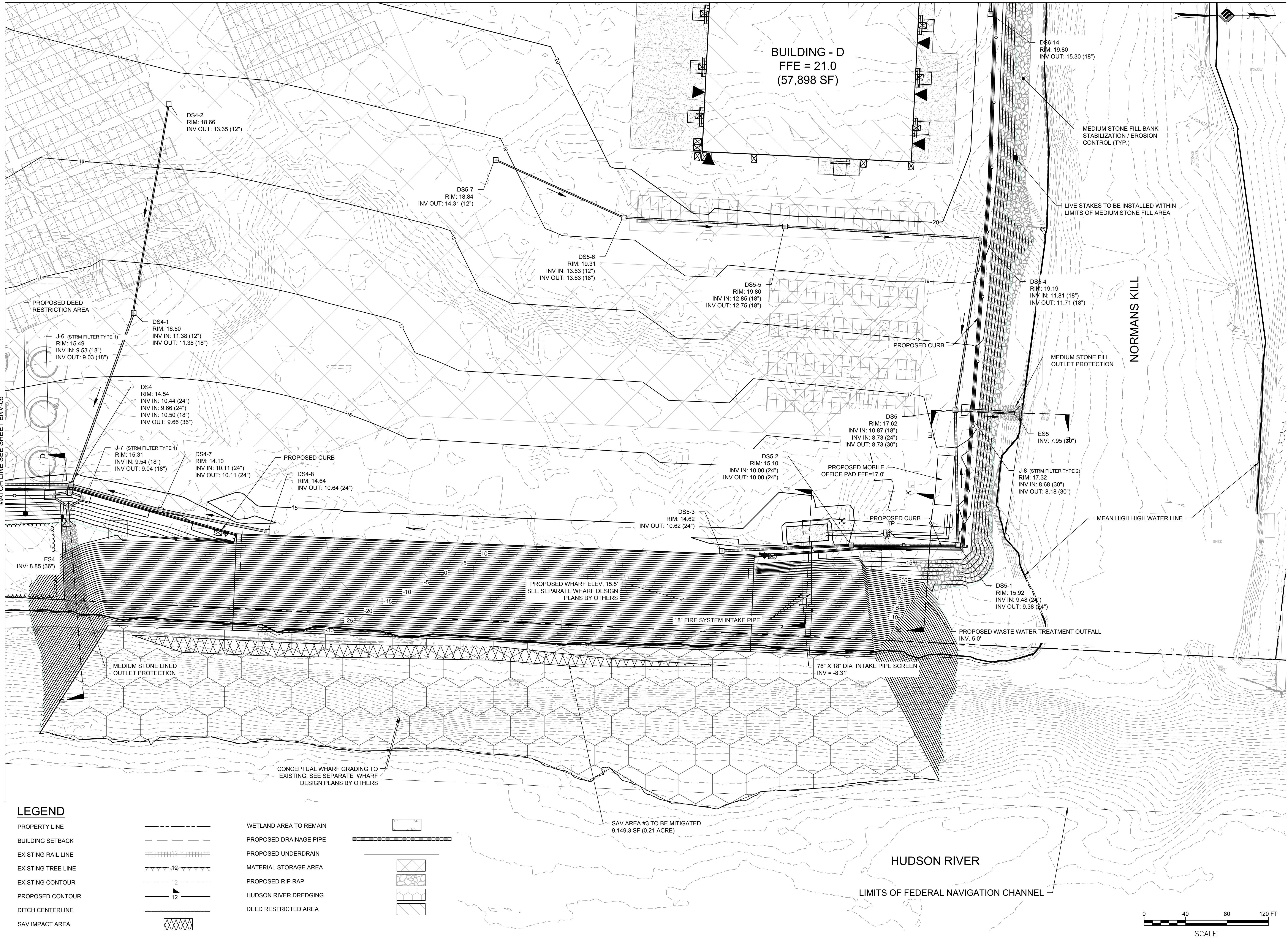
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 PROJECT: **PORT OF ALBANY EXPANSION SITE**

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DRAWING TITLE
ENVIRONMENTAL PLAN

DRAWING NUMBER
ENV-06



LEGEND

- PROPERTY LINE
- BUILDING SETBACK
- EXISTING RAIL LINE
- EXISTING TREE LINE
- EXISTING CONTOUR
- PROPOSED CONTOUR
- DITCH CENTERLINE
- SAV IMPACT AREA
- WETLAND AREA TO REMAIN
- PROPOSED DRAINAGE PIPE
- PROPOSED UNDERDRAIN
- MATERIAL STORAGE AREA
- PROPOSED RIP RAP
- HUDSON RIVER DREDGING
- DEED RESTRICTED AREA

N:\18641\06 ALBANY PORT EXPANSION\DRAWINGS\SHEET FILES\ENV\ENV-06.DWG



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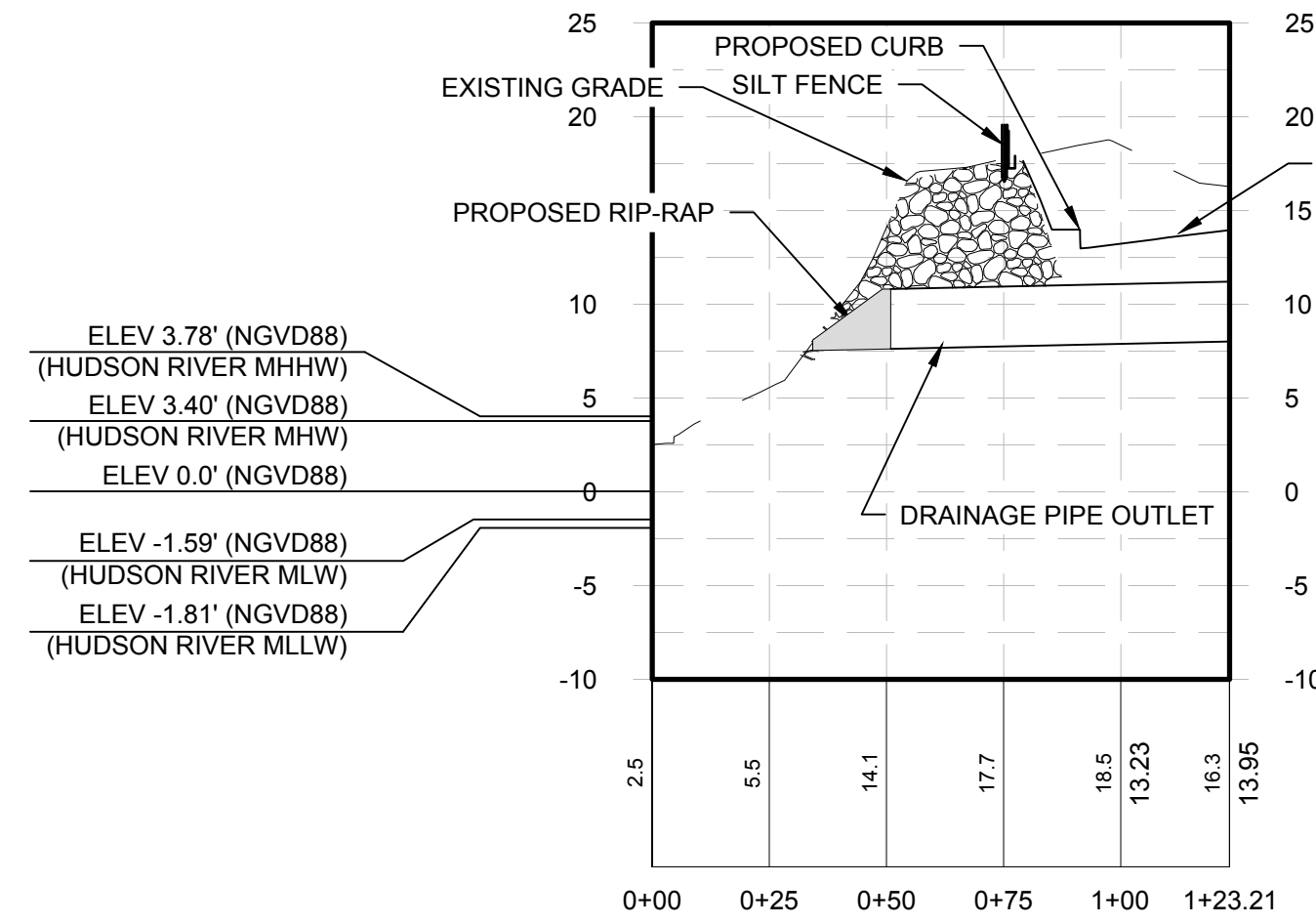
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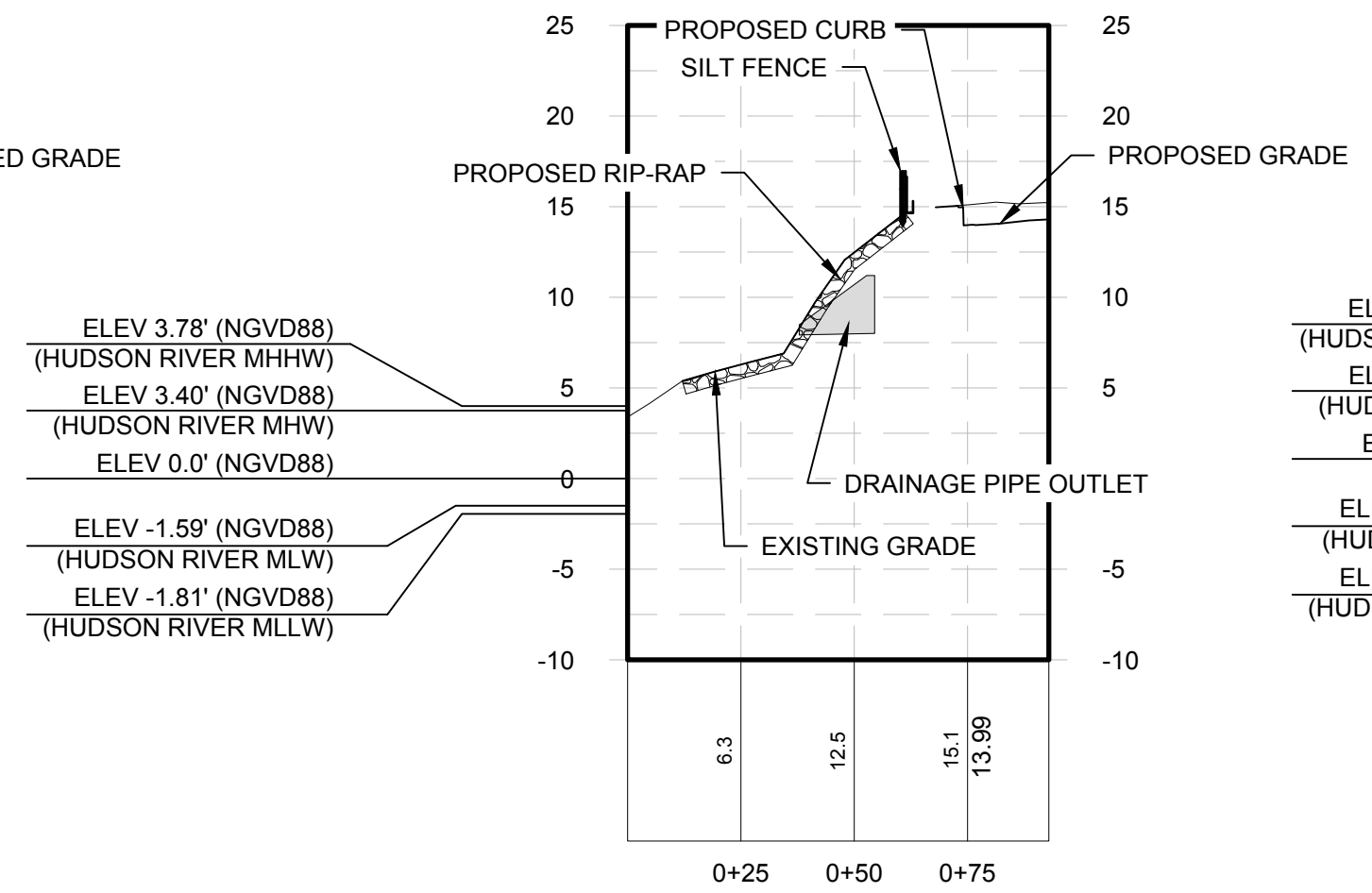
SECTION VIEWS

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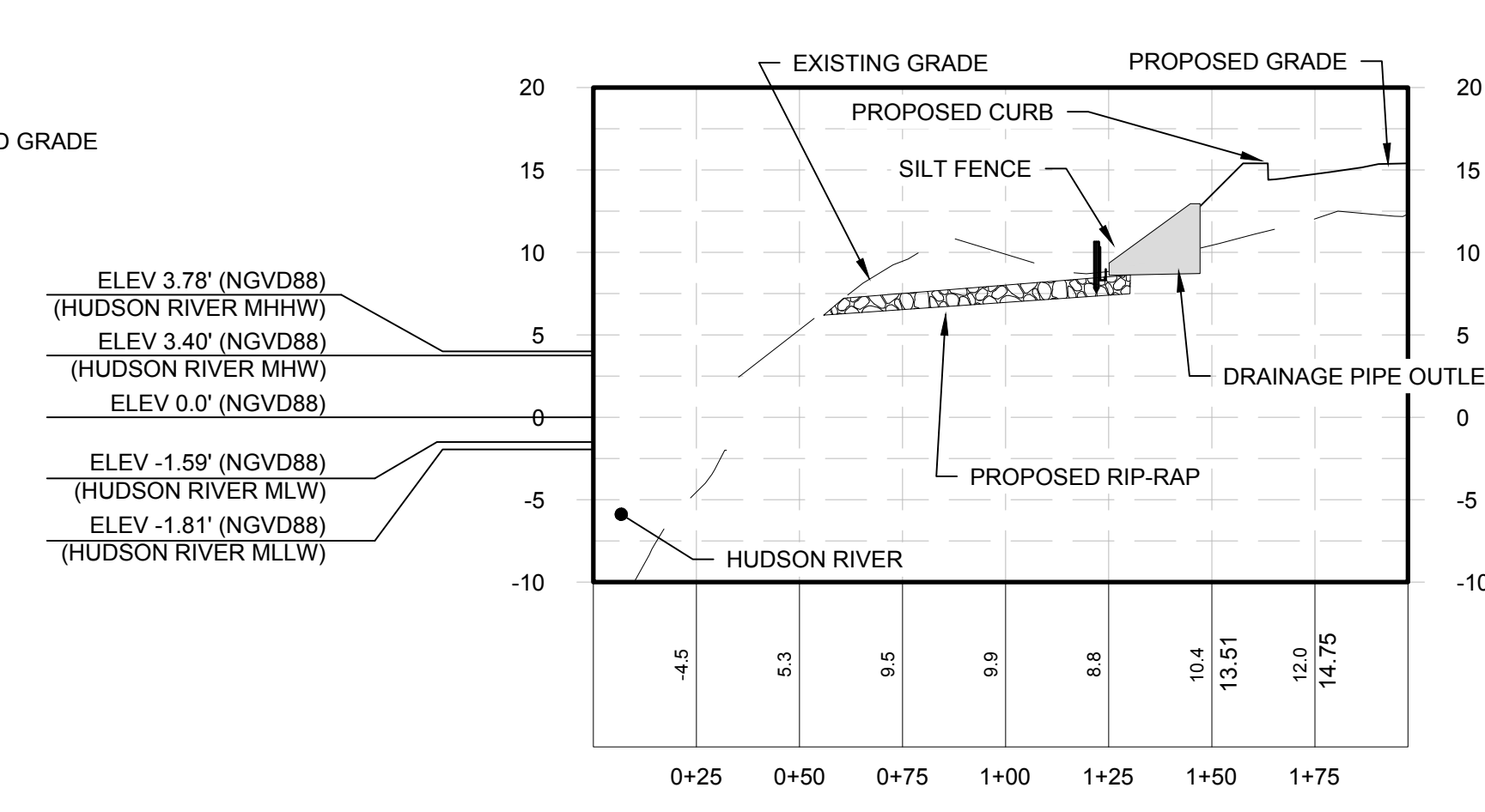
XS-01



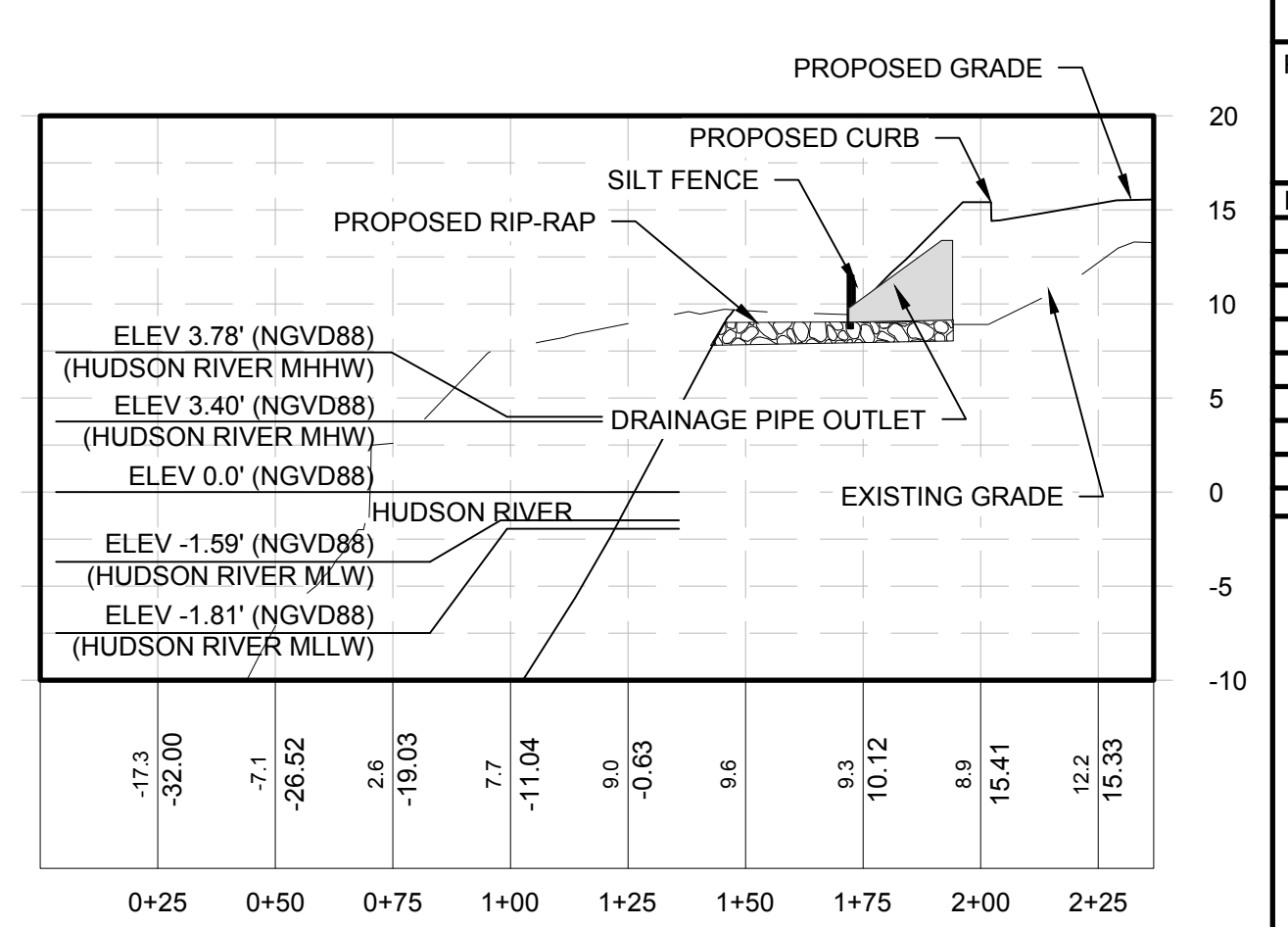
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 Vertical Scale: 1" = 10'



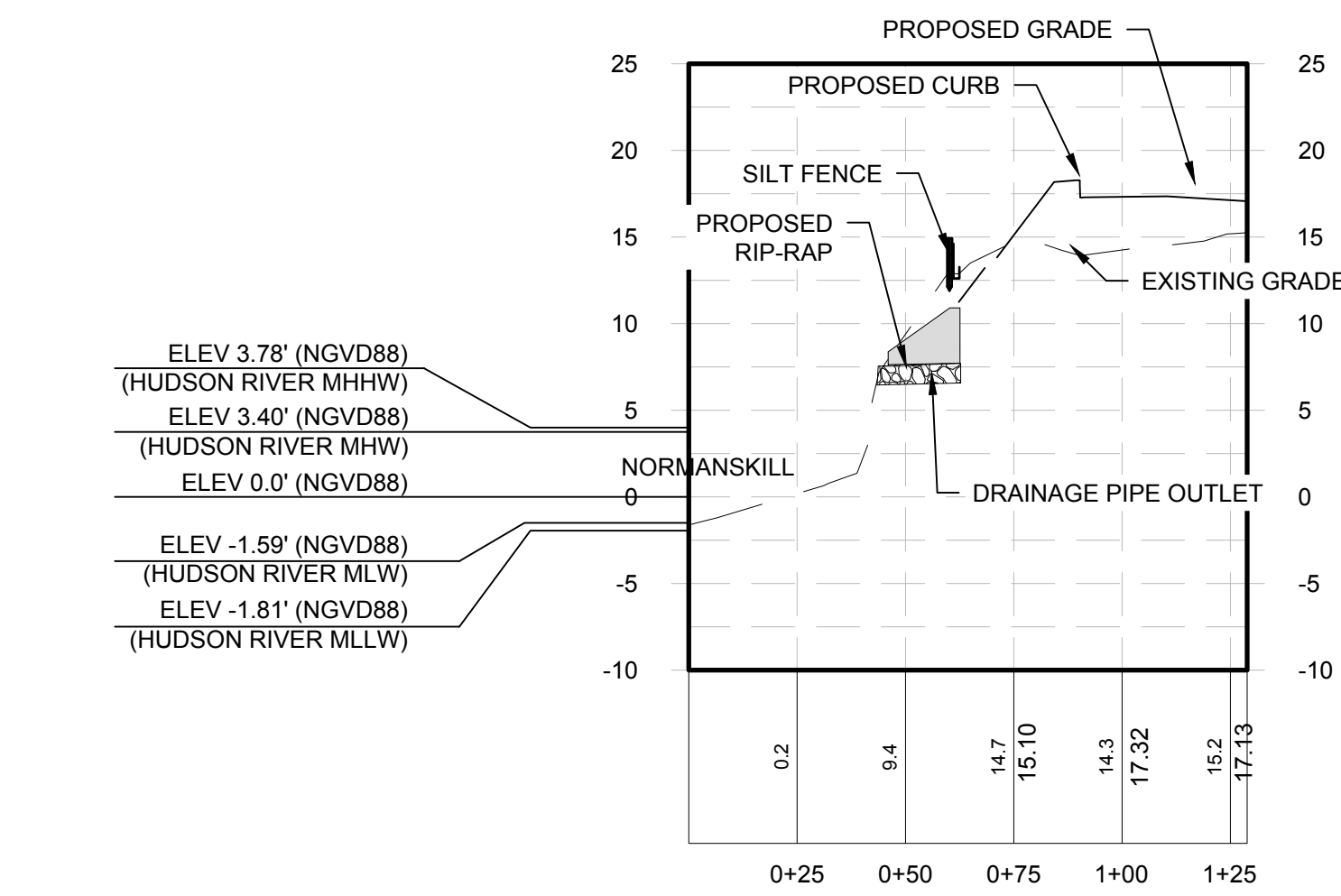
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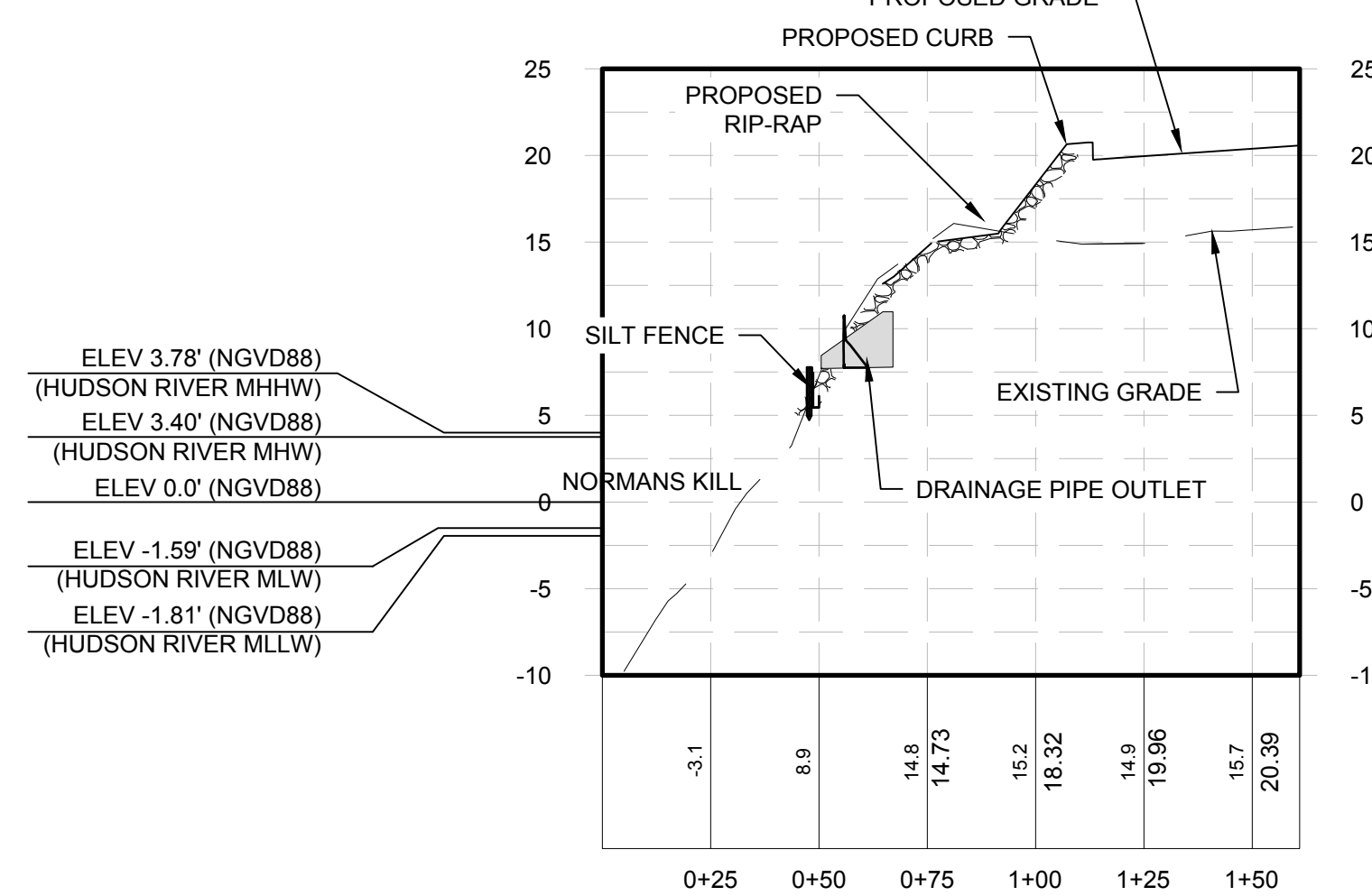
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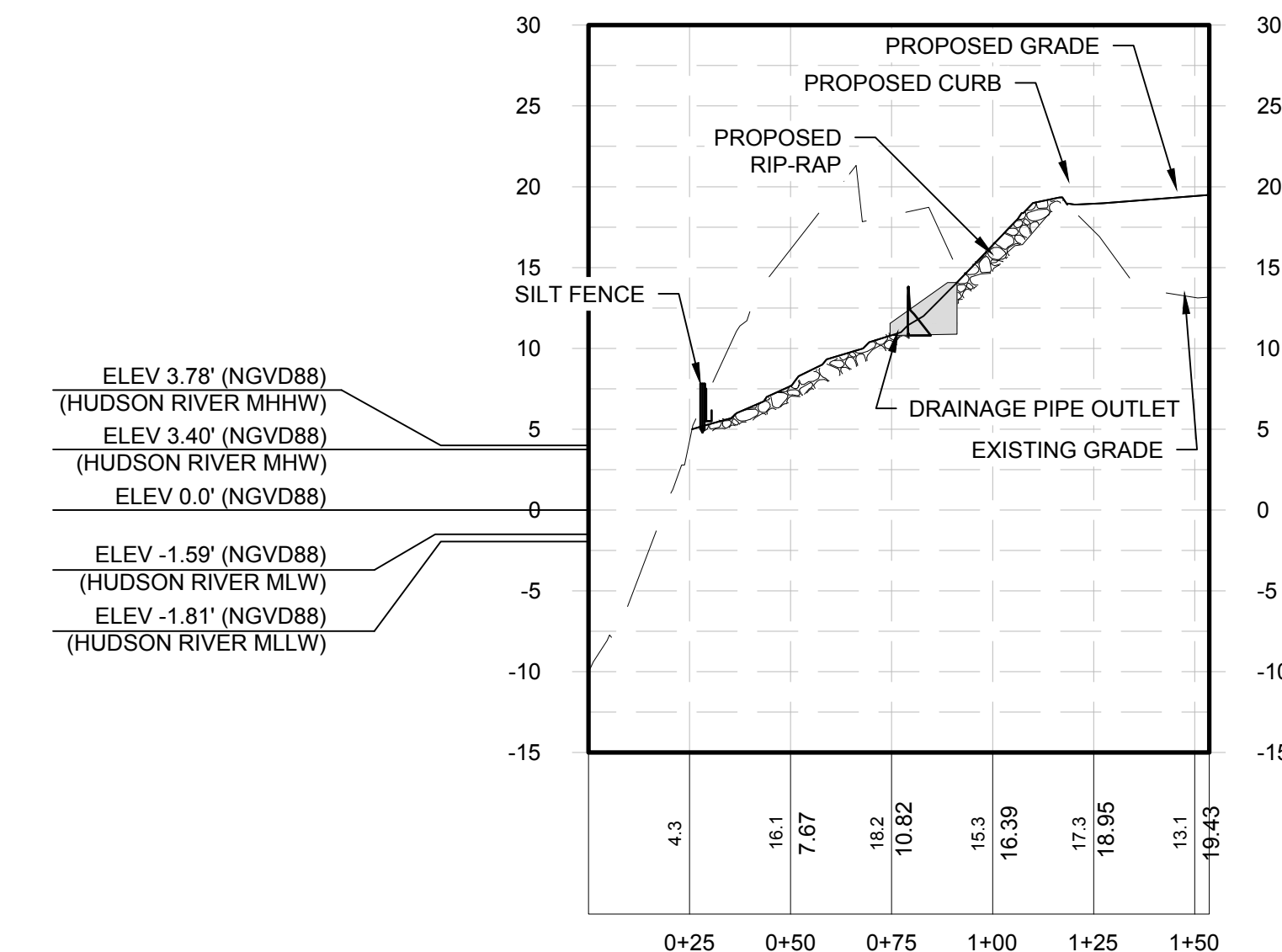
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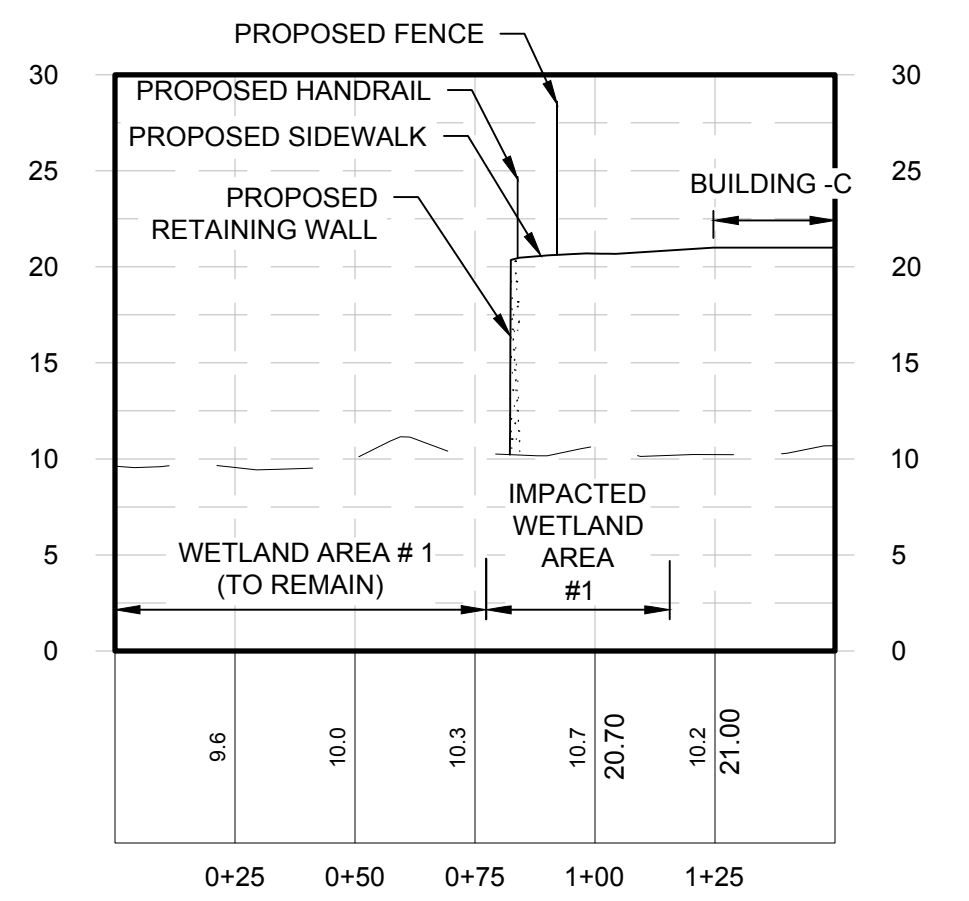
SECTION E-E
 Horizontal Scale: 1" = 40'
 Vertical Scale: 1" = 10'



SECTION F-F
 Horizontal Scale: 1" = 40'
 Vertical Scale: 1" = 10'



SECTION G-G
 Horizontal Scale: 1" = 40'
 Vertical Scale: 1" = 10'



SECTION H-H
 Horizontal Scale: 1" = 40'
 Vertical Scale: 1" = 10'

N:\18641.00\ALBANY PORT EXPANSION\DRAWINGS\SHEET FILES\CIVIL\PERMIT FOR ANTIWALL DRAIN SECTIONS.DWG



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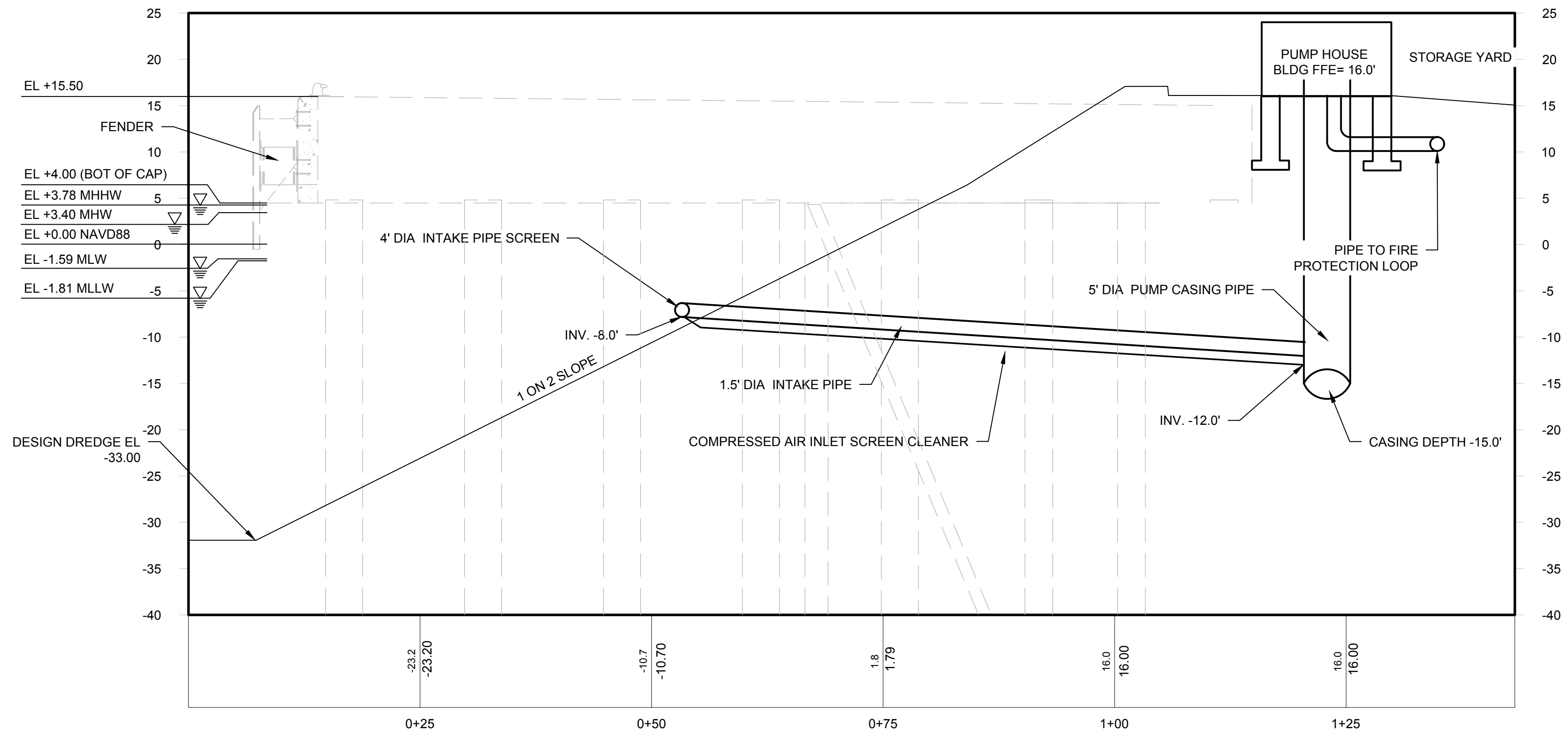
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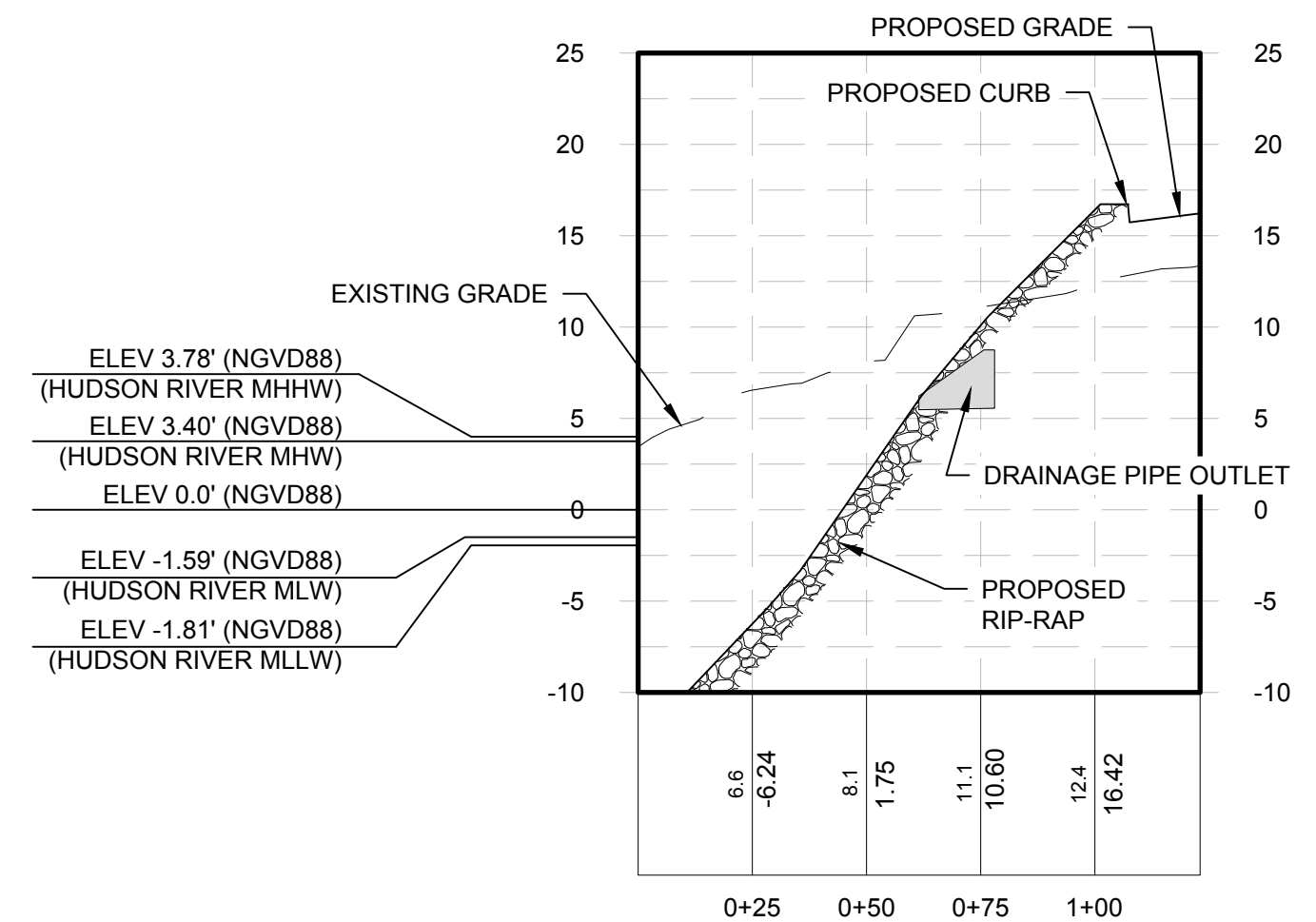
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DRAWING TITLE
SECTION VIEWS

DRAWING NUMBER
XS-02

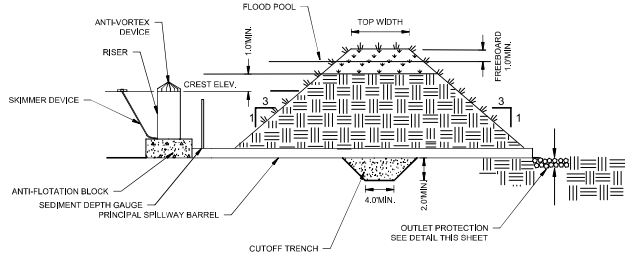


SECTION J-J
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 Vertical Scale: 1" = 10'

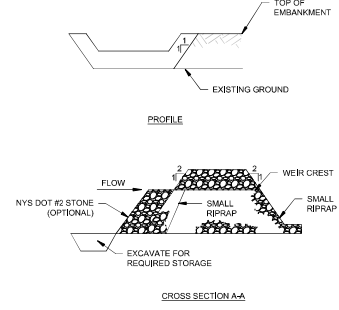


WASTE WATER TREATMENT PLANT OUTFALL (K-K)
 Horizontal Scale: 1" = 40'
 Vertical Scale: 1" = 10'

NUMBER OF ALBANY PORT EXPANSION DRAWINGS SHEET FILES: CIVIL PERMIT PLAN/SECTION/SECTION/DWG



SEDIMENT BASIN

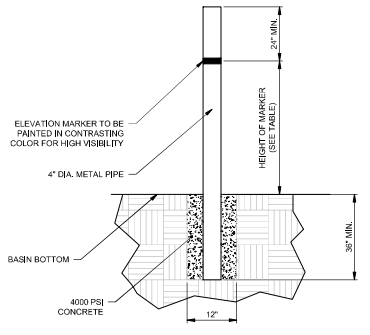


STONE OUTLET SEDIMENT TRAP

OPTION: A ONE FOOT LAYER OF NYS DOT #2 STONE MAY BE PLACED ON THE UPSTREAM SIDE OF THE RIPRAP INFLUVE OF THE EMBEDDED FILTER CLOTH.

NOTES:

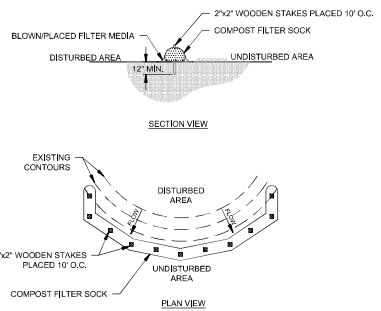
1. AREA UNDER EMBANKMENT SHALL BE CLEARED, GRUBBED AND STRIPPED OF ANY VEGETATION AND ROOT MAT. THE POOL AREA SHALL BE CLEARED.
2. THE FILL MATERIAL FOR THE EMBANKMENT SHALL BE FREE OF ROOTS AND OTHER WOODY VEGETATION AS WELL AS OBJECTIONABLE MATERIAL. THE EMBANKMENT SHALL BE COMPACTED BY TRAVELING WITH EQUIPMENT WHILE IT IS BEING CONSTRUCTED.
3. ALL CUT AND FILL SLOPES SHALL BE 2:1 OR FLATTER.
4. THE STONE USED IN THE OUTLET SHALL BE SMALL RIPRAP 4"-8" ALONG WITH A 1" THICKNESS OF 2" AGGREGATE PLACED ON THE UP-SLOPE SIDE ON THE SMALL RIPRAP OR EMBEDDED FILTER CLOTH IN THE RIPRAP.
5. SEDIMENT SHALL BE REMOVED AND TRAP RESTORED TO ITS ORIGINAL DIMENSIONS WHEN THE SEDIMENT HAS ACCUMULATED TO 5' THE DESIGN DEPTH OF THE TRAP. IT SHALL BE PLACED ON SITE AND STABILIZED.
6. THE STRUCTURE SHALL BE INSPECTED AFTER EACH RAIN AND REPAIRS MADE AS NEEDED.
7. CONSTRUCTION OPERATIONS SHALL BE CARRIED OUT IN SUCH A MANNER THAT EROSION AND SEDIMENT ARE CONTROLLED.
8. THE STRUCTURE SHALL BE REMOVED AND THE AREA STABILIZED WHEN THE DRAINAGE AREA HAS BEEN PROPERLY STABILIZED.
9. THE MAXIMUM DRAINAGE AREA IS 5 ACRES.



SEDIMENT DEPTH GAUGE

NOTES:

1. CONTRACTOR SHALL PLACE A 4" DIA. METAL PIPE AT A MINIMUM OF 36" BELOW THE BASIN BOTTOM ELEVATION ENCASED IN 12" OF 4000 PSI CONCRETE.
2. CONTRACTOR SHALL MARK THE CORRESPONDING ELEVATION FOR SEDIMENT STORAGE CLEANOUT ON THE PVC PIPE TO INDICATE WHEN MAINTENANCE IS REQUIRED.
3. SEDIMENT DEPTH GAUGE REQUIRED FOR SEDIMENT BASINS, FOREBAYS, AND INFILTRATION BASINS.



COMPOST FILTER SOCK

NOTES:

1. SOCK FABRIC SHALL MEET STANDARDS OF TABLE 5.1 OF NYS STANDARDS AND SPECIFICATIONS FOR EROSION AND SEDIMENT CONTROL. COMPOST SHALL MEET THE STANDARDS LISTED ON TABLE 5.2 OF NYS STANDARDS AND SPECIFICATIONS FOR EROSION AND SEDIMENT CONTROL.
2. COMPOST FILTER SOCK SHALL BE PLACED AT EXISTING LEVEL GRADE. BOTH ENDS OF THE SOCK SHALL BE EXTENDED AT LEAST 8 FEET UP SLOPE AT 45° TO THE MAIN SOCK ALIGNMENT. MAXIMUM SLOPE LENGTH ABOVE ANY SOCK SHALL NOT EXCEED THAT SHOWN ON FIGURE A-A OF NYS STANDARDS AND SPECIFICATIONS FOR EROSION AND SEDIMENT CONTROL. STAKES MAY BE INSTALLED IMMEDIATELY DOWN-SLOPE OF THE SOCK IF SO SPECIFIED BY THE MANUFACTURER.
3. TRAFFIC SHALL NOT BE PERMITTED TO CROSS FILTER SOCKS.
4. ACCUMULATED SEDIMENT SHALL BE REMOVED WHEN IT REACHES HALF THE ABOVEGROUND HEIGHT OF THE SOCK AND DISPOSED IN THE MANNER DESCRIBED ELSEWHERE IN THE PLAN.
5. SOCKS SHALL BE INSPECTED WEEKLY AND AFTER EACH RUNOFF EVENT. DAMAGED SOCKS SHALL BE REPAIRED ACCORDING TO MANUFACTURER'S SPECIFICATIONS OR REPLACED WITHIN 24 HOURS OF INSPECTION.
6. BIODEGRADABLE FILTER SOCKS SHALL BE REPLACED AFTER 6 MONTHS; PHOTODEGRADABLE SOCKS AFTER 1 YEAR. POLYPROPYLENE SOCKS SHALL BE REPLACED ACCORDING TO MANUFACTURER'S RECOMMENDATIONS.
7. UPON STABILIZATION OF THE AREA TRIBUTARY TO THE SOCKS, STAKES SHALL BE REMOVED. THE SOCK MAY BE LEFT IN PLACE AND VEGETATED OR REMOVED. IN THE LATTER CASE, THE MESH SHALL BE CUT OPEN AND THE MULCH SPREAD AS A SOIL SUPPLEMENT.

McFarland Johnson
60 RAILROAD PLACE
SUITE 402
SARATOGA SPRINGS, NEW YORK 12866
P: 518-880-6300 F: 518-880-9383
SaratogaROM@mjpc.com

PROJECT MILESTONE

PERMIT SKETCHES		
NO.	DATE	DESCRIPTION

CLIENT: **ALBANY PORT DISTRICT COMMISSION**

PROJECT: **ALBANY, NEW YORK
PORT OF ALBANY EXPANSION SITE**

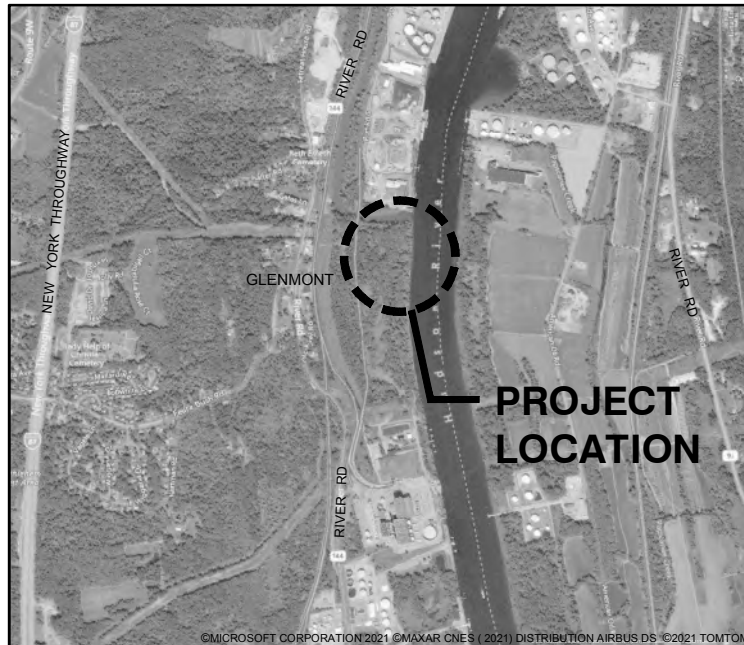
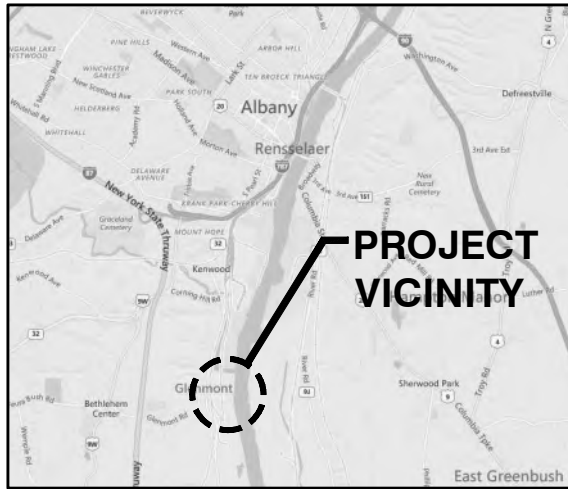
DRAWN	JES
DESIGNED	NSO
CHECKED	AJR
SCALE	1"=40'
DATE	JULY 2024
PROJECT	18641.00

IF IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECT DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY, IF AN ITEM BEARING THE SEAL OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY FOLLOWING BY THEIR SIGNATURE, THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION."

DRAWING TITLE
EROSION AND SEDIMENT CONTROL DETAILS

DRAWING NUMBER
ESC-07

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VICINITY AND LOCATION MAP

SCALE: N.T.S.

NOTES:

1. HORIZONTAL CONTROL REFERENCED TO NORTH AMERICAN DATUM OF 1983, STATE PLANE COORDINATE SYSTEM, NEW YORK, EAST ZONE, IN FEET.
2. WATER LEVEL DATUM IS BASED ON NATIONAL GEODETIC VERTICAL DATUM OF 1929, AS FOLLOWS:
 - MEAN HIGHER HIGH WATER LEVEL (MHHW) +4.56 FT (NGVD29)
 - MEAN HIGH WATER LEVEL (MHW) = +4.18 FT (NGVD29)
 - MEAN TIDE LEVEL (MTL) = +1.69 FT (NGVD29)
 - MEAN LOW WATER LEVEL (MLW) = -0.80 FT (NGVD29)

PURPOSE: WHARF CONSTRUCTION
 PERMIT SUBMITTAL-NOT TO BE USED
 FOR CONSTRUCTION
 DATUM: NGVD29



OWNER/APPLICANT:
 ALBANY PORT DISTRICT COMMISSION
 PORT OF ALBANY

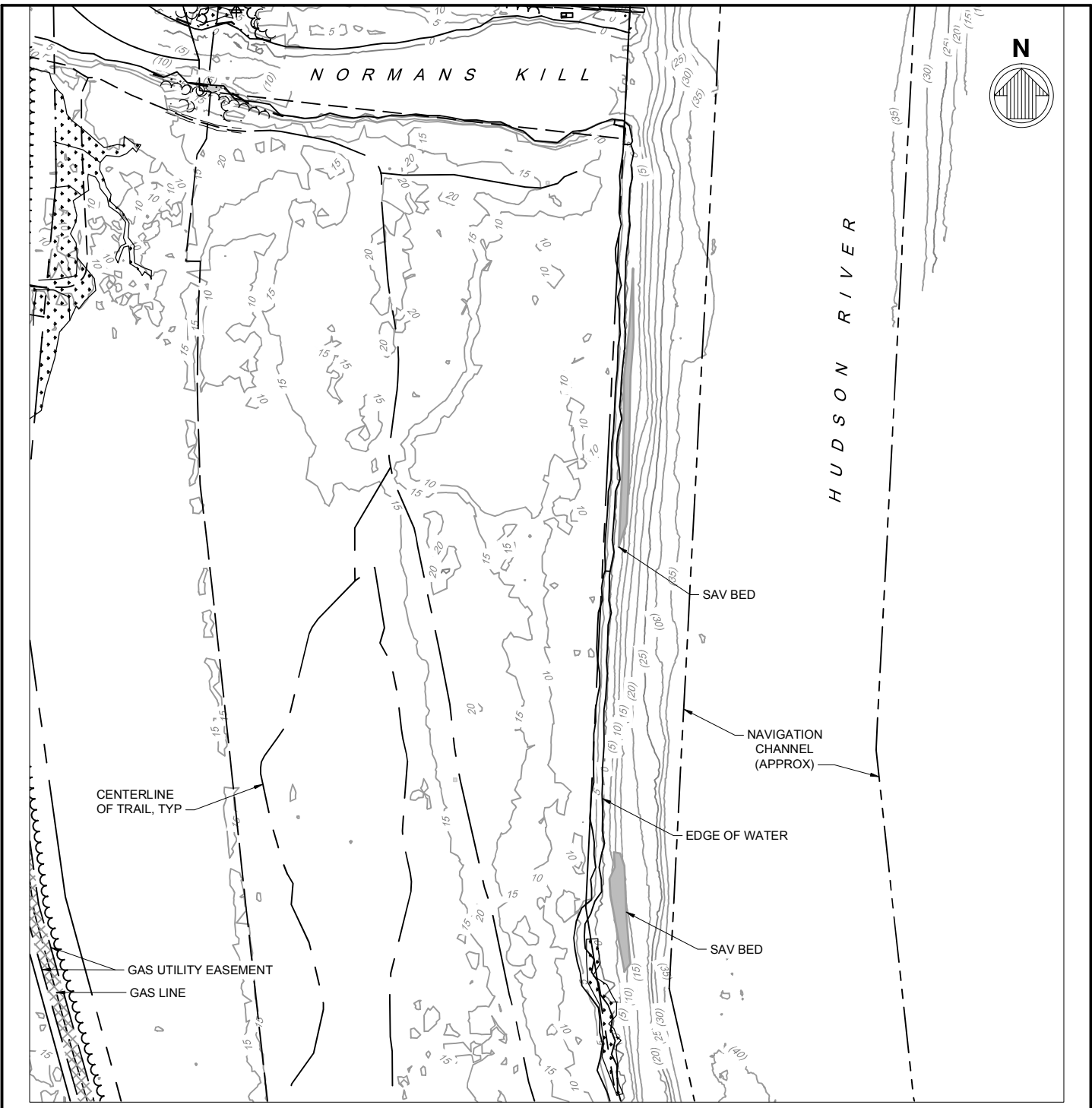
IN: HUDSON RIVER
 NEAR: SOUTH OF ALBANY
 LOCATION: PORT OF ALBANY
 106 SMITH BOULEVARD
 ALBANY, NEW YORK 12202

WHARF DREDGING AND CONSTRUCTION

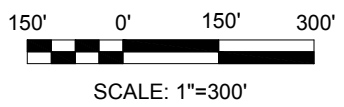
VICINITY AND LOCATION

DATE: 2021-07-15

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PLAN - EXISTING CONDITIONS



PURPOSE: WHARF CONSTRUCTION PERMIT SUBMITTAL-NOT TO BE USED FOR CONSTRUCTION
 DATUM: NGVD29



m&n engineering, p.c.

OWNER/APPLICANT:
 ALBANY PORT DISTRICT COMMISSION
 PORT OF ALBANY

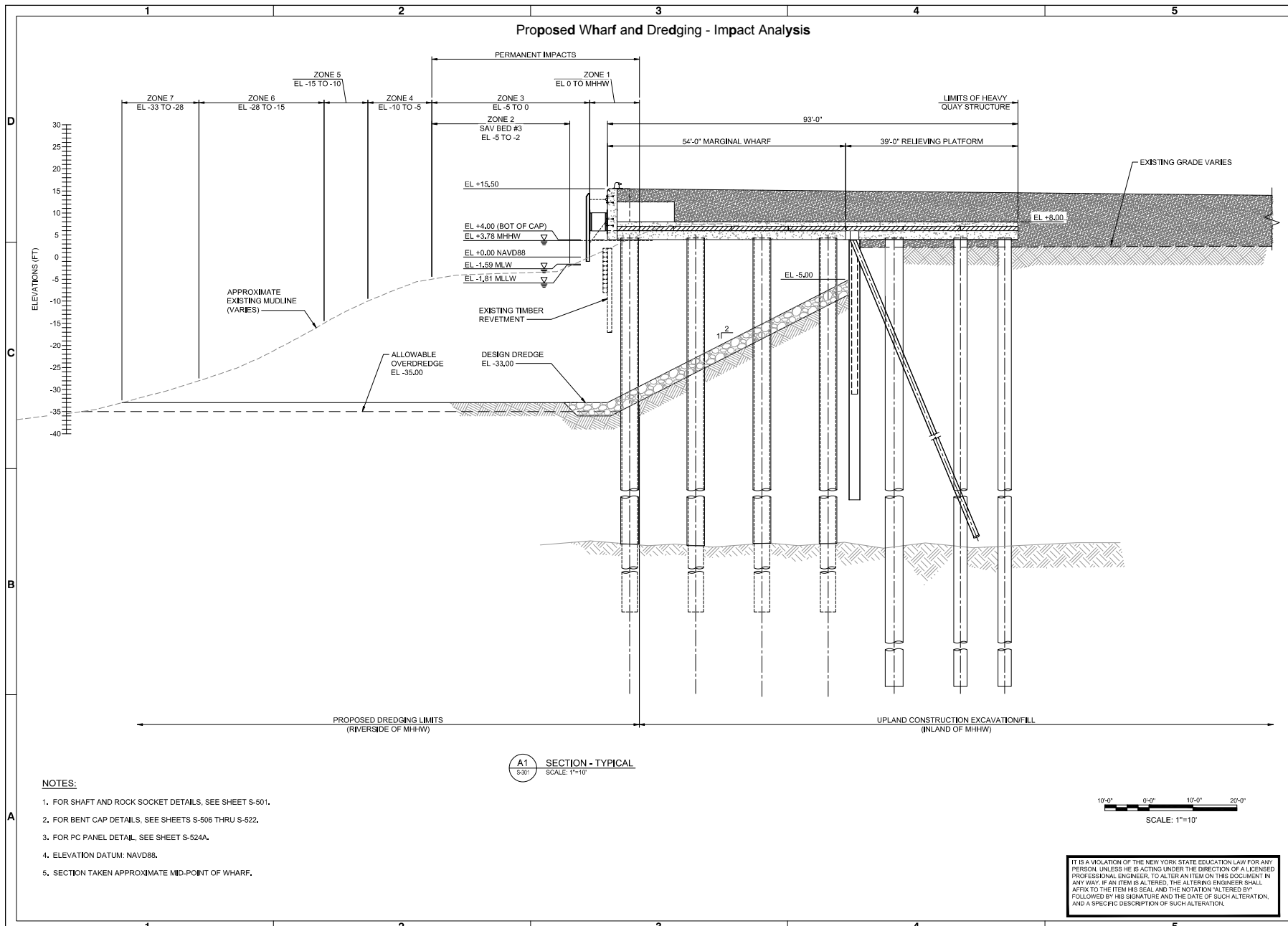
IN: HUDSON RIVER
 NEAR: SOUTH OF ALBANY
 LOCATION: PORT OF ALBANY
 106 SMITH BOULEVARD
 ALBANY, NEW YORK 12202

WHARF DREDGING AND CONSTRUCTION

PLAN - EXISTING CONDITIONS

DATE: 2021-07-15

Proposed Wharf and Dredging - Impact Analysis



A1 SECTION - TYPICAL
SCALE: 1"=10'

- NOTES:**
1. FOR SHAFT AND ROCK SOCKET DETAILS, SEE SHEET S-501.
 2. FOR BENT CAP DETAILS, SEE SHEETS S-506 THRU S-522.
 3. FOR PC PANEL DETAIL, SEE SHEET S-524A.
 4. ELEVATION DATUM: NAVD88.
 5. SECTION TAKEN APPROXIMATE MID-POINT OF WHARF.

IT IS A VIOLATION OF THE NEW YORK STATE EDUCATION LAW FOR ANY PERSON, UNLESS HE IS ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, TO ALTER AN ITEM ON THIS DOCUMENT IN ANY WAY. IF AN ITEM IS ALTERED, THE ALTERING ENGINEER SHALL AFFIX TO THE ITEM HIS SEAL AND THE NOTATION "ALTERED BY" FOLLOWED BY HIS SIGNATURE AND THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF SUCH ALTERATION.



Revision	Date	By	Check

**PORT OF ALBANY EXPANSION
HEAVY LIFT QUAY WHARF**

SECTION - TYPICAL

DESIGNED BY: DATE: JAN 2022 528 PETHAWE, 14TH FLOOR NEW YORK, NY 10017 212.361.1514 msh engineering, p.c.	DRAWN BY: DATE: MAY 18, 2022 MSH	CHECKED BY: DATE: MAY 18, 2022 MSH	SUPERVISOR BY: DATE: MAY 18, 2022 JOHN C. SCHUMER JOHN SCHUMER, P.E. 100 SOUTH ALBANY ALBANY, NY 12202	PROJECT NO: 10949-01	DRAWING CODE: 10949-01	DRAWING SCALE: AS SHOWN (1" @ 30')
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SEAL

Sheet Reference No.
S-301

INDEX: 2 OF 2

File: AL 186241.dwg Albany Port Expansion Draw (Drawings) Figures Civil/Struct & Water Plan Updates 1094901S-01 - Standard 1094901S-01 - Portlet - 3/7/2022, 3:20 PM By: mclhugh