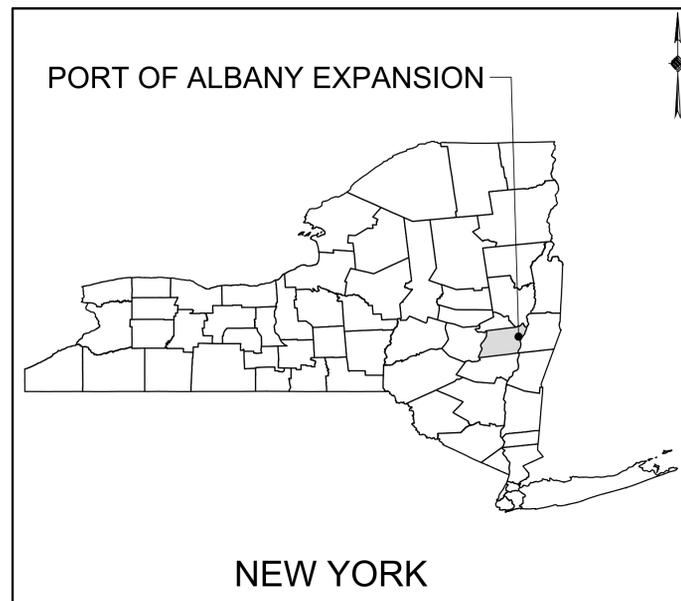


ALBANY PORT DISTRICT COMMISSION

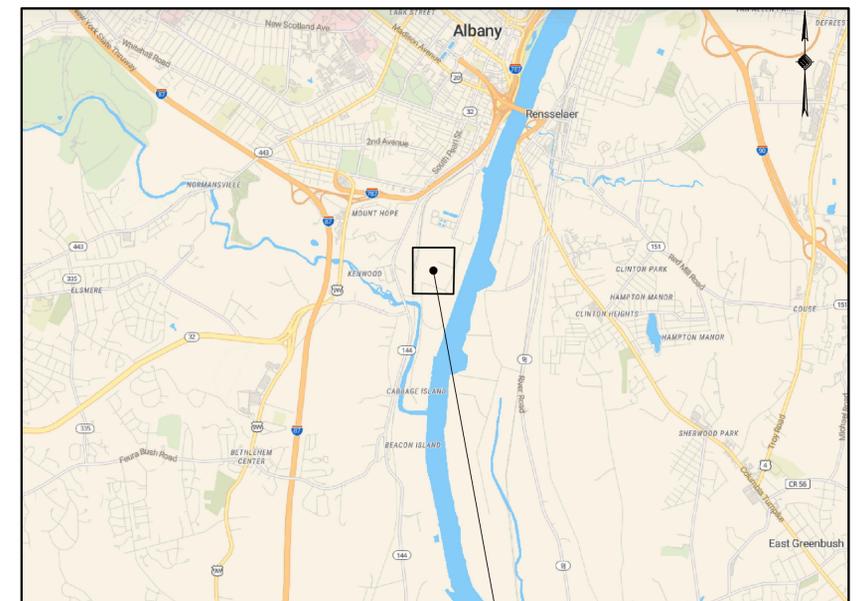
MARMEN WELCON SITE: 700 SMITH BLVD



LOCATION MAP

FINAL DESIGN PLANS APRIL 2022

CITY OF ALBANY
ALBANY COUNTY
NEW YORK



700 SMITH BLVD SITE

VICINITY MAP

PREPARED FOR:



ALBANY PORT DISTRICT COMMISSION
106 SMITH BOULEVARD
ALBANY, NEW YORK
(518) 463-8763
WWW.ALBANY.GOV

PREPARED BY:



MCFARLAND JOHNSON PROJECT # 18641.00

SEALED	ADAM J. FROSINO	
PE_NO	088870	
PE_DATE	APRIL 2022	

IT IS A VIOLATION OF THE LAW FOR ANY PERSON, UNLESS ACTING UNDER THE 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.



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PROJECT MILESTONE
FINAL DESIGN PLANS

NO.	DATE	DESCRIPTION

CLIENT:
ALBANY PORT DISTRICT COMMISSION
 ALBANY, NEW YORK

PROJECT:
PORT OF ALBANY SITE INFRASTRUCTURE IMPROVEMENTS: 700 SMITH BLVD

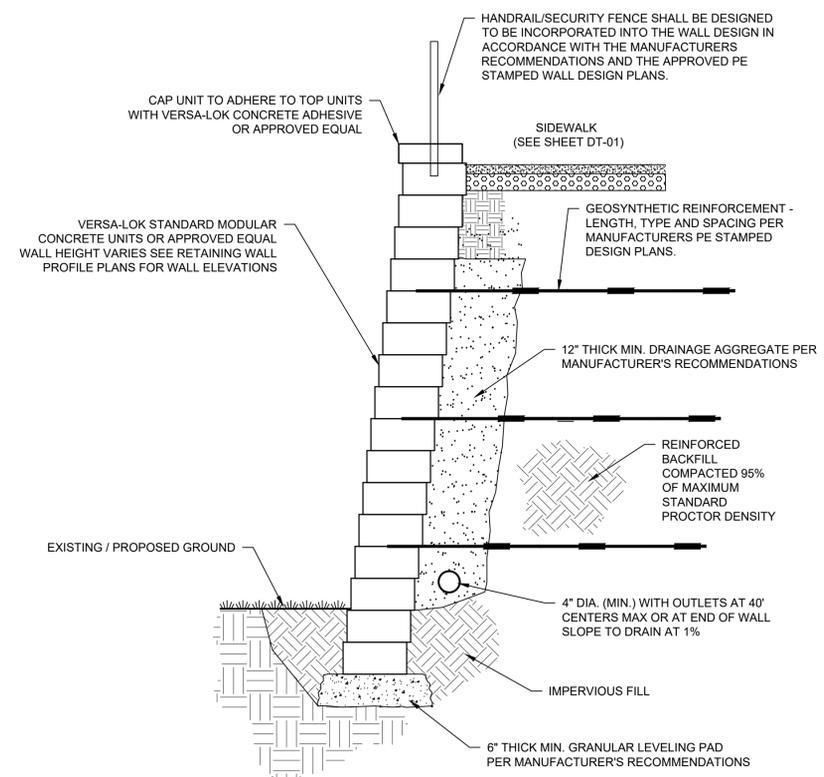
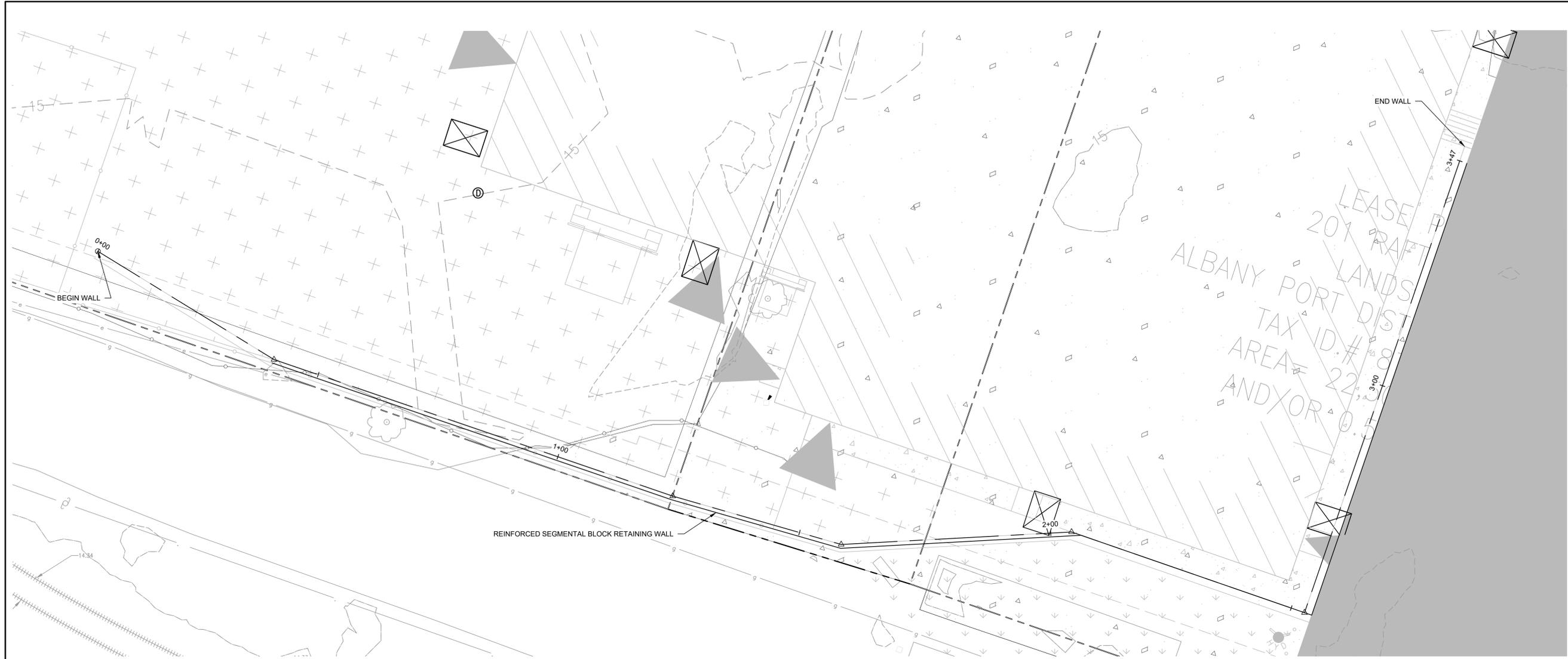
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DESIGNED	NSO
CHECKED	AJF
SCALE	1"=40'
DATE	APRIL 2022
PROJECT	18641.00



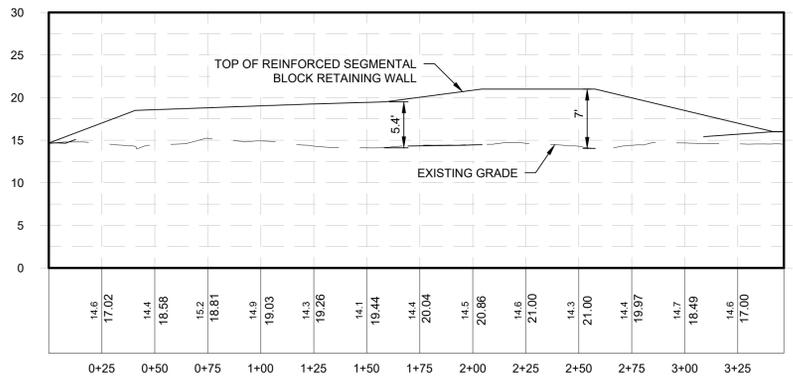
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DRAWING TITLE
RETAINING WALL

DRAWING NUMBER
PR-01



- RETAINING WALL NOTES:**
1. DETAILED WALL DESIGN CALCULATIONS SHALL BE PROVIDED BY THE CONTRACTOR/WALL MANUFACTURER IN ADDITION TO PROVIDING STAMPED AND SEALED PLANS BY A NYS PROFESSIONAL ENGINEER.
 2. SPECIAL CONSIDERATION SHALL BE GIVEN TO THE GEOSYNTHETIC REINFORCEMENT WHEN PLACING BACKFILL AND INSTALLING THE HAND RAILING AND FENCING TO MAINTAIN RECOMMENDED SPACING. INSTALLATION SHALL BE PERFORMED IN ACCORDANCE WITH THE WALL MANUFACTURERS RECOMMENDATIONS.
 3. AN ALTERNATIVE LARGE BLOCK GRAVITY WALL IS AN ACCEPTABLE ALTERNATIVE THAT CAN BE CONSIDERED DURING THE SUBMITTAL REVIEW PROCESS AND REQUIRES THE SAME SUPPORT DOCUMENTATION, CALCULATIONS AND PLANS BY A NYS PROFESSIONAL ENGINEER PRIOR TO APPROVAL.



RETAINING WALL PROFILE
 Horizontal Scale: 1" = 40'
 Vertical Scale: 1" = 10'

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PROJECT MILESTONE
FINAL DESIGN PLANS

NO.	DATE	DESCRIPTION

CLIENT: **ALBANY PORT DISTRICT COMMISSION**
 ALBANY, NEW YORK
 PROJECT: **PORT OF ALBANY SITE INFRASTRUCTURE IMPROVEMENTS: 700 SMITH BLVD**

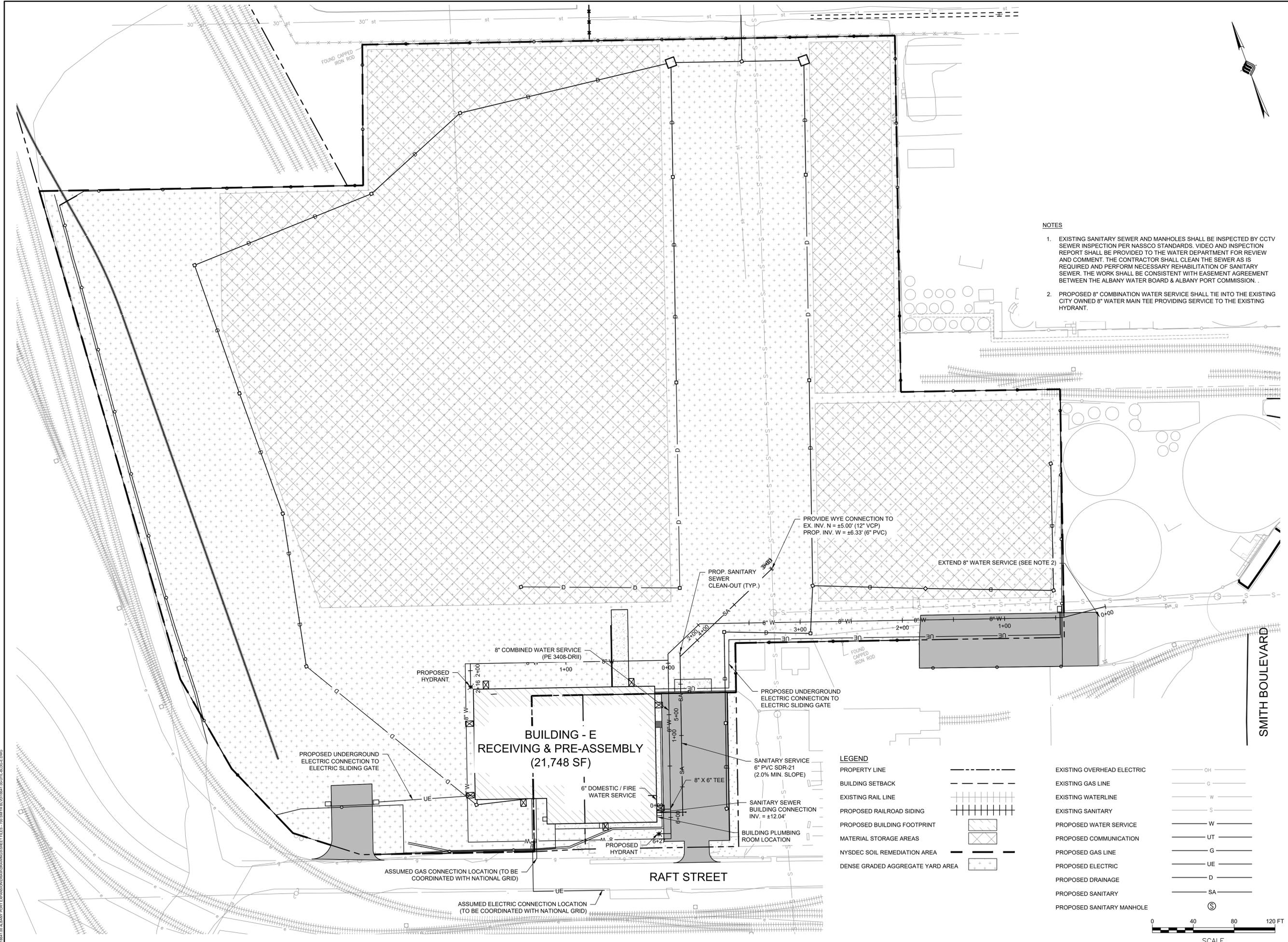
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DESIGNED	NSO
CHECKED	AJF
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PROJECT	18641.00



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DRAWING TITLE
UTILITY PLAN

DRAWING NUMBER
UT-01



N:\18641\01 ALBANY PORT EXPANSION\DRAWINGS\DWG SHEET FILES - 700 SMITH BLVD\UT-01-UT-01.DWG



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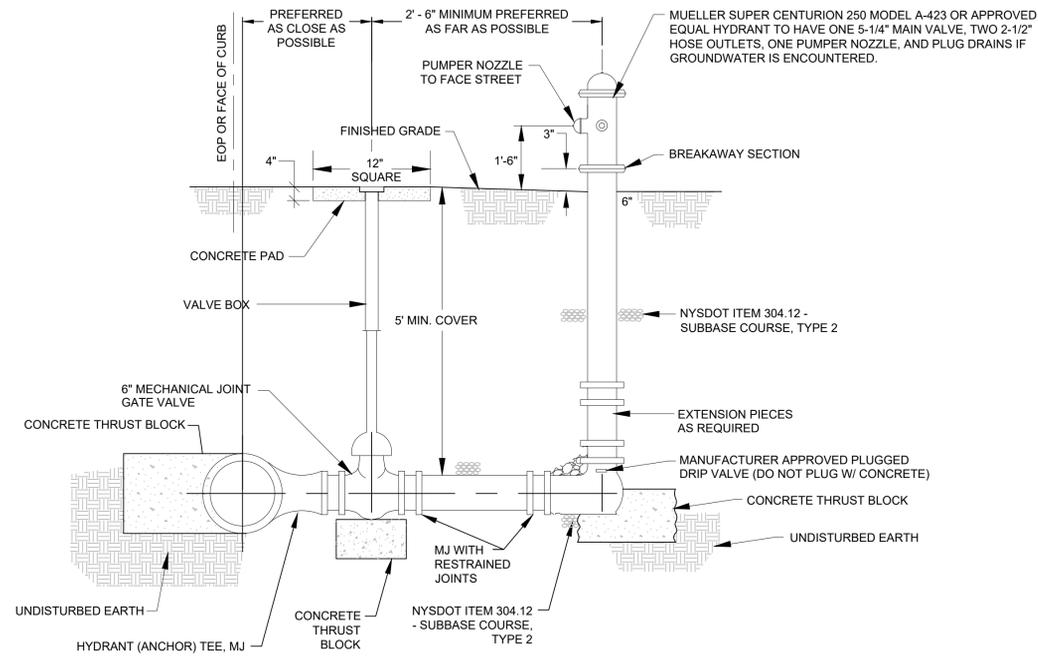
PROJECT MILESTONE
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NO.	DATE	DESCRIPTION

CLIENT:
ALBANY PORT DISTRICT COMMISSION

ALBANY, NEW YORK

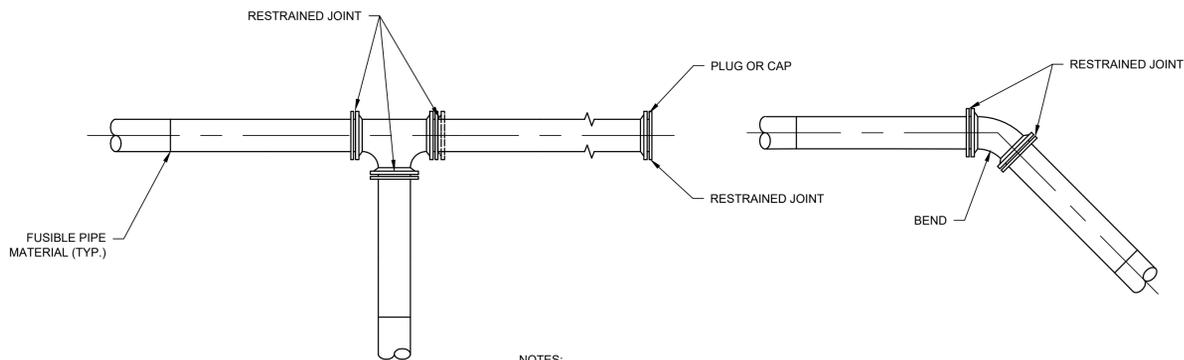
PROJECT:
PORT OF ALBANY SITE INFRASTRUCTURE IMPROVEMENTS: 700 SMITH BLVD



NOTES:

1. THE VALVE BOX SHALL BE INSTALLED PLUMB IN RELATION TO VALVE IN WHICH IT CONTROLS.
2. SIMILAR INSTALLATION FOR WATER AND FIRE PROTECTION MAINS.
3. VALVE COVER FOR FIRE PROTECTION MAINS SHALL READ "FIRE".
4. HYDRANT SHALL BE PAINTED RED FOR FIRE PROTECTION AND POTABLE USE AND BLACK FOR RAW WATER AND MAINTENANCE.
4. MATCH NOZZLE THREADS AND OPERATING DIRECTION TO EXISTING HYDRANTS.
5. CONTRACTOR SHALL PROVIDE CHAIN WITH I.D. TAG ON ALL NEW HYDRANTS (BLACK HYDRANTS LABELED AS NON-POTABLE). CHAIN AND TAG SHALL BE APPROVED BY OWNER PRIOR TO INSTALLATION. ALL EXISTING HYDRANTS SHALL BE REMOVED OR REPLACED AS SHOWN ON PLANS. SEE PLANS FOR NUMBERING SEQUENCE.
6. HYDRANT THRUST BLOCKS SHALL BE PROVIDED AS FOR A DEAD END AT LOCATIONS SHOWN ON THE DETAIL AND/OR AS REQUIRED BY THE OWNER. THRUST BLOCKS AT HYDRANTS SHALL BE USED TO COINCIDE WITH RESTRAINED JOINTS (NOT AS A REPLACEMENT).
7. STAINLESS STEEL, THREADED ROD JOINT RESTRAINTS SHALL BE INSTALLED BETWEEN THE TEE FITTING AND VALVE, AS WELL AS THE VALVE AND HYDRANT ASSEMBLY.
8. THE HYDRANT DRAIN HOLE SHALL BE KEPT UNOBSTRUCTED. CARE SHALL BE USED TO KEEP THRUST RESTRAINTS FROM BLOCKING DRAIN HOLE. IF THE HYDRANT DRAIN IS LOCATED WITHIN 10'-0" OF A SANITARY SEWER OR STORM DRAIN, OR IF GROUNDWATER IS FOUND WITHIN 6'-6" OF FINISHED GRADE, THE HYDRANT DRAINS SHALL BE PLUGGED.
9. THY HYDRANT ASSEMBLY SHALL BE REVIEWED AND APPROVED BY THE CITY OF ALBANY WATER DEPARTMENT FOR ITS CONFORMITY TO CITY AND STATE STANDARDS

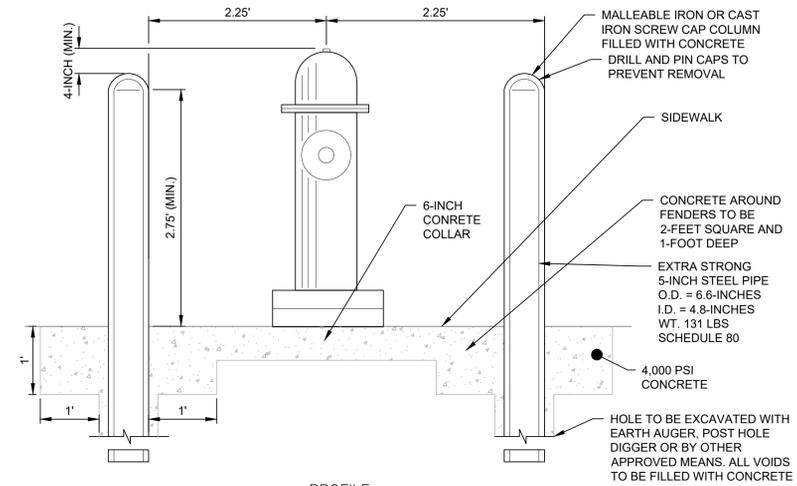
FIRE HYDRANT ASSEMBLY



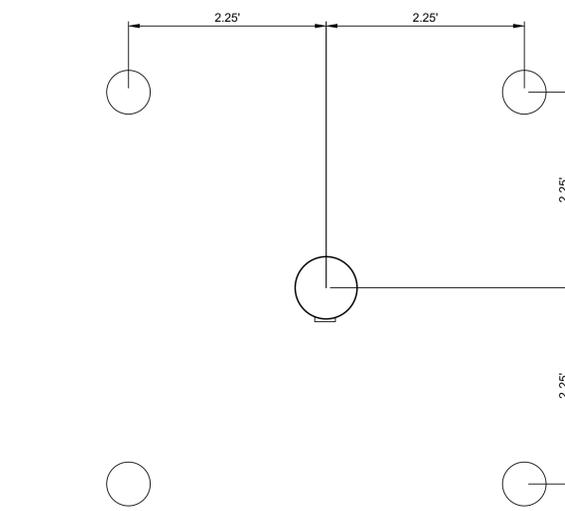
NOTES:

1. RESTRAINED JOINTS AND THRUST BLOCKS SHALL BE PROVIDED AT ALL BENDS, TEES AND DEAD ENDS.
2. PIPE TRENCH AND INSTALLATION SHALL BE AS SHOWN ON DETAILS.
3. RETAINER GLANDS SHALL BE MEGALUG SERIES 2000PV JOINT RESTRAINTS AS MANUFACTURED BY EBBA IRON, INC. OR APPROVED EQUAL.

RESTRAINED JOINT DETAIL

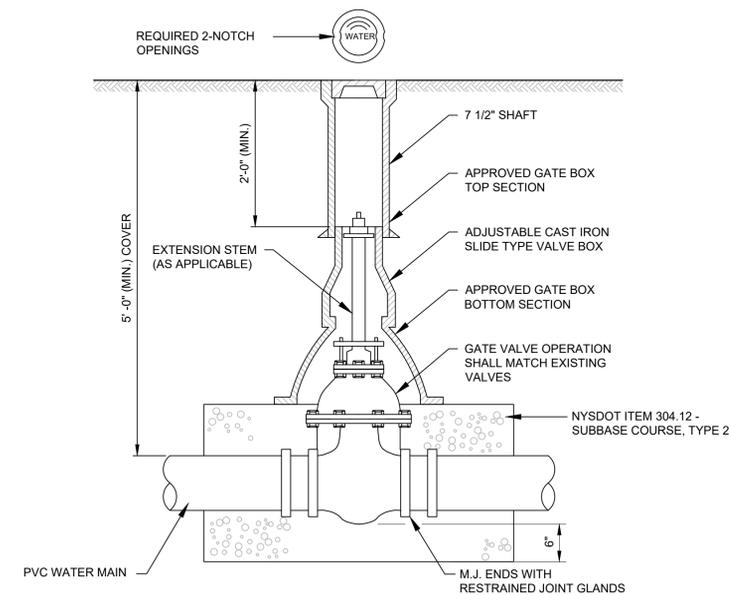


PROFILE



TYPICAL BOLLARD LAYOUT

HYDRANT BOLLARDS



NOTE:

1. ALL GATE VALVES SHALL BE MUELLER MODEL A-2361 AND INSTALLED IN ACCORDANCE WITH AWWA C600 OR APPROVED EQUAL.

GATE VALVE DETAIL

DRAWN	OMH
DESIGNED	NSO
CHECKED	AJF
SCALE	1"=40'
DATE	APRIL 2022
PROJECT	18641.00



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DRAWING TITLE
DETAIL SHEET (4 OF 6)

DRAWING NUMBER

DT-04



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PROJECT MILESTONE
FINAL DESIGN PLANS

NO.	DATE	DESCRIPTION

CLIENT: **ALBANY PORT DISTRICT COMMISSION**
 ALBANY, NEW YORK
 PROJECT: **PORT OF ALBANY SITE INFRASTRUCTURE IMPROVEMENTS: 700 SMITH BLVD**

DRAWN	OMH
DESIGNED	NSO
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SCALE	1"=40'
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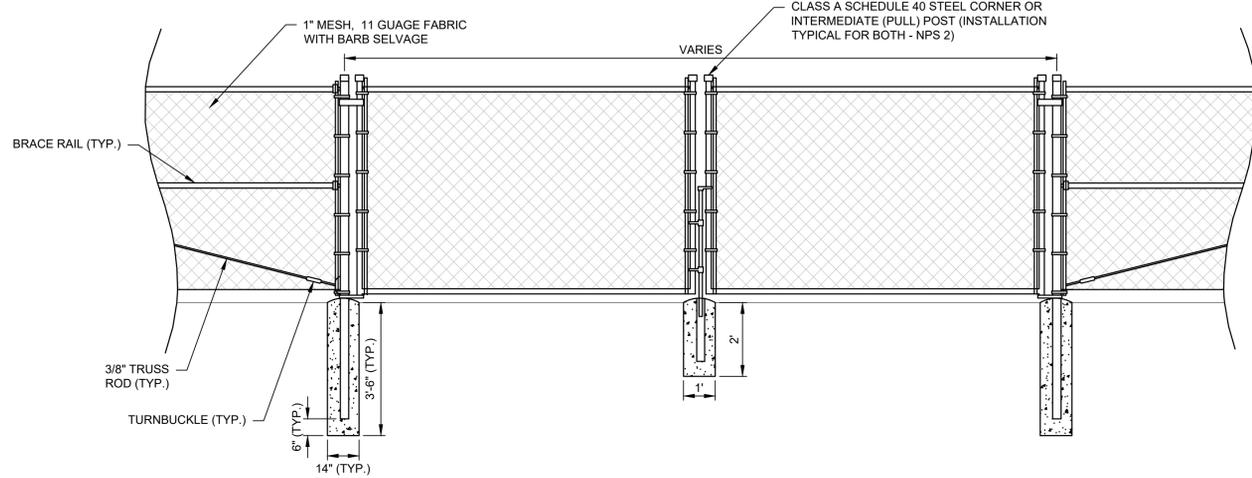


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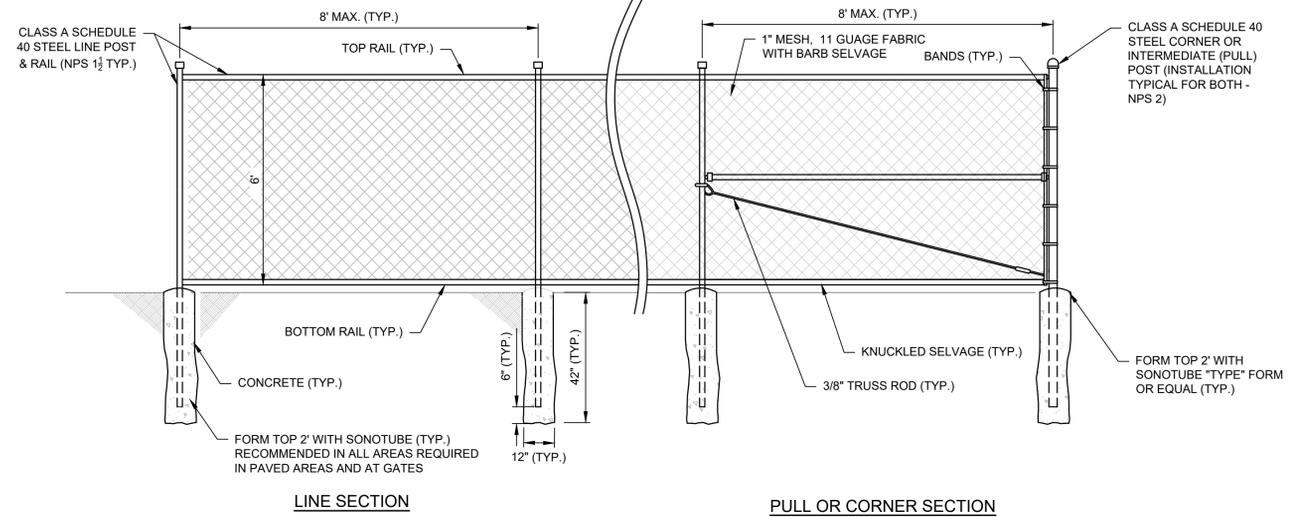
DRAWING TITLE
DETAIL SHEET (5 OF 6)

DRAWING NUMBER

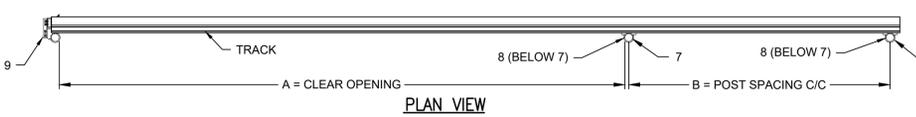
DT-05



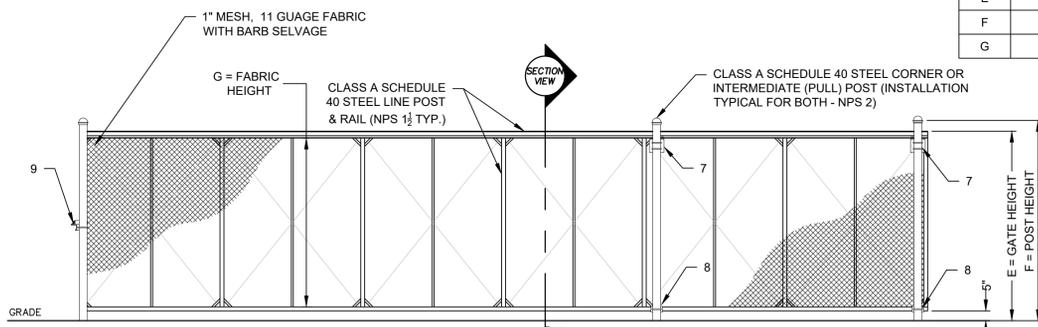
SWING GATE



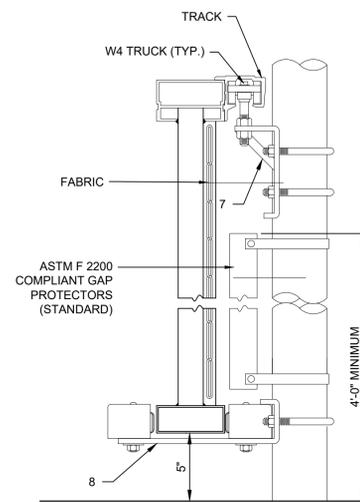
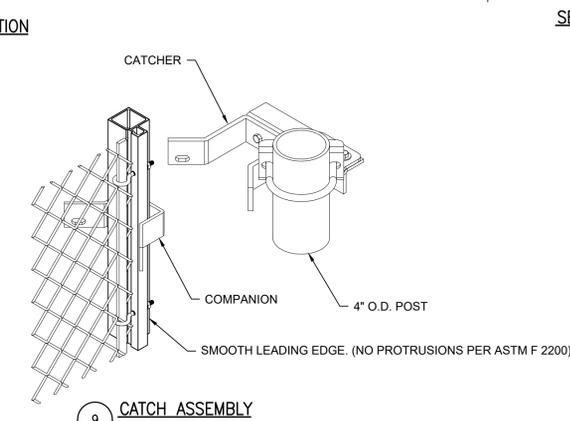
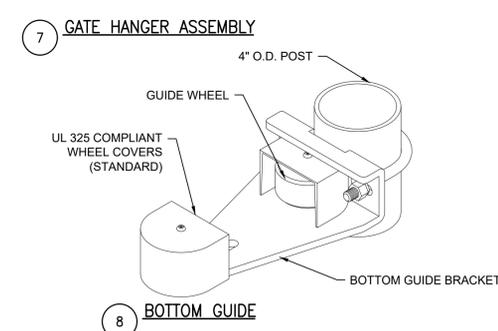
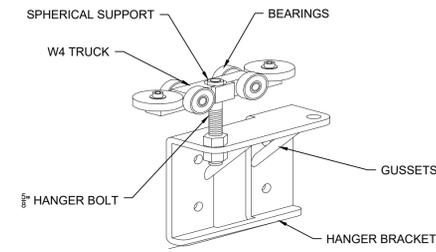
6' GALVANIZED CHAIN LINK FENCE



MARK	DESCRIPTION	FORMULA	DIM.	DIM.
A	CLEAR OPENING	A	2-20' (40' TOTAL)	2-16' (32' TOTAL)
B	COUNTERBALANCE POST SPACING C/C	(A/2)-11"	19'-1"	15'-1"
C	OVERALL GATE LENGTH	A x 1.5	30'	24'
D	COUNTERBALANCE LENGTH	A x 0.5	10'	8'
E	NOMINAL GATE HEIGHT	E	6'	6'
F	POST HEIGHT (W BARB ARMS)	E + 1'-6"	7'-6"	7'-6"
G	FABRIC HEIGHT	E - 1'-0"	5'	5'



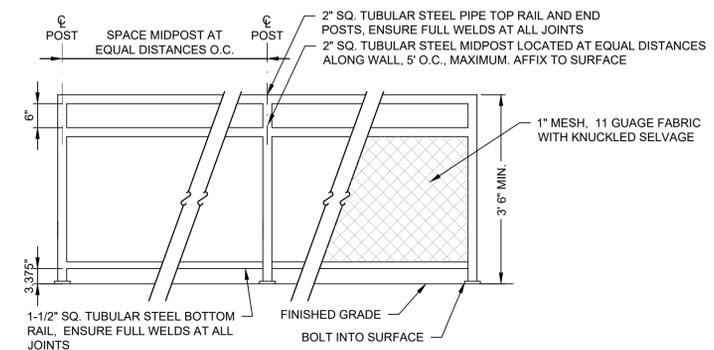
SECTION



ENLARGED SECTION

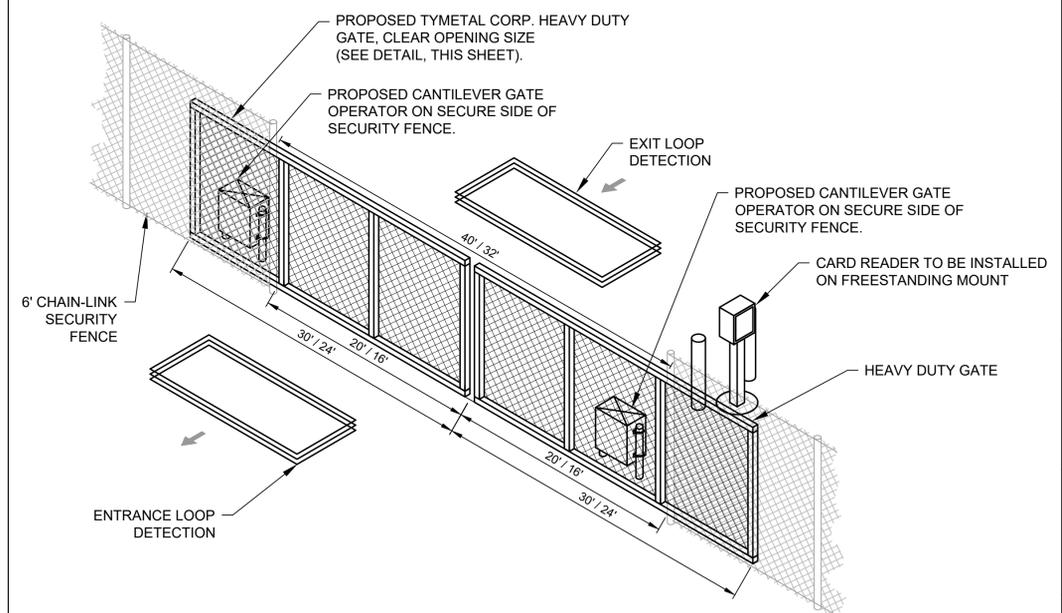
NOTES:
 1. ALL FITTINGS STANDARDLY PROVIDED FOR 4" O.D. POSTS. OTHER SIZES AVAILABLE UPON REQUEST.
 2. BARB ARMS (FOR BARBED WIRE) OPTIONAL.
 3. MANUFACTURED BY TYMETAL CORP. OR APPROVED EQUAL.

HEAVY DUTY CANTILEVER SLIDE GATE



NOTE:
 1. FINISH TO BE BLACK POWDER COATING.

RETAINING WALL HANDRAIL / SECURITY FENCE



POWERED CANTILEVER GATE



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ALBANY PORT DISTRICT COMMISSION
 ALBANY, NEW YORK

PROJECT:
PORT OF ALBANY SITE INFRASTRUCTURE IMPROVEMENTS: 700 SMITH BLVD

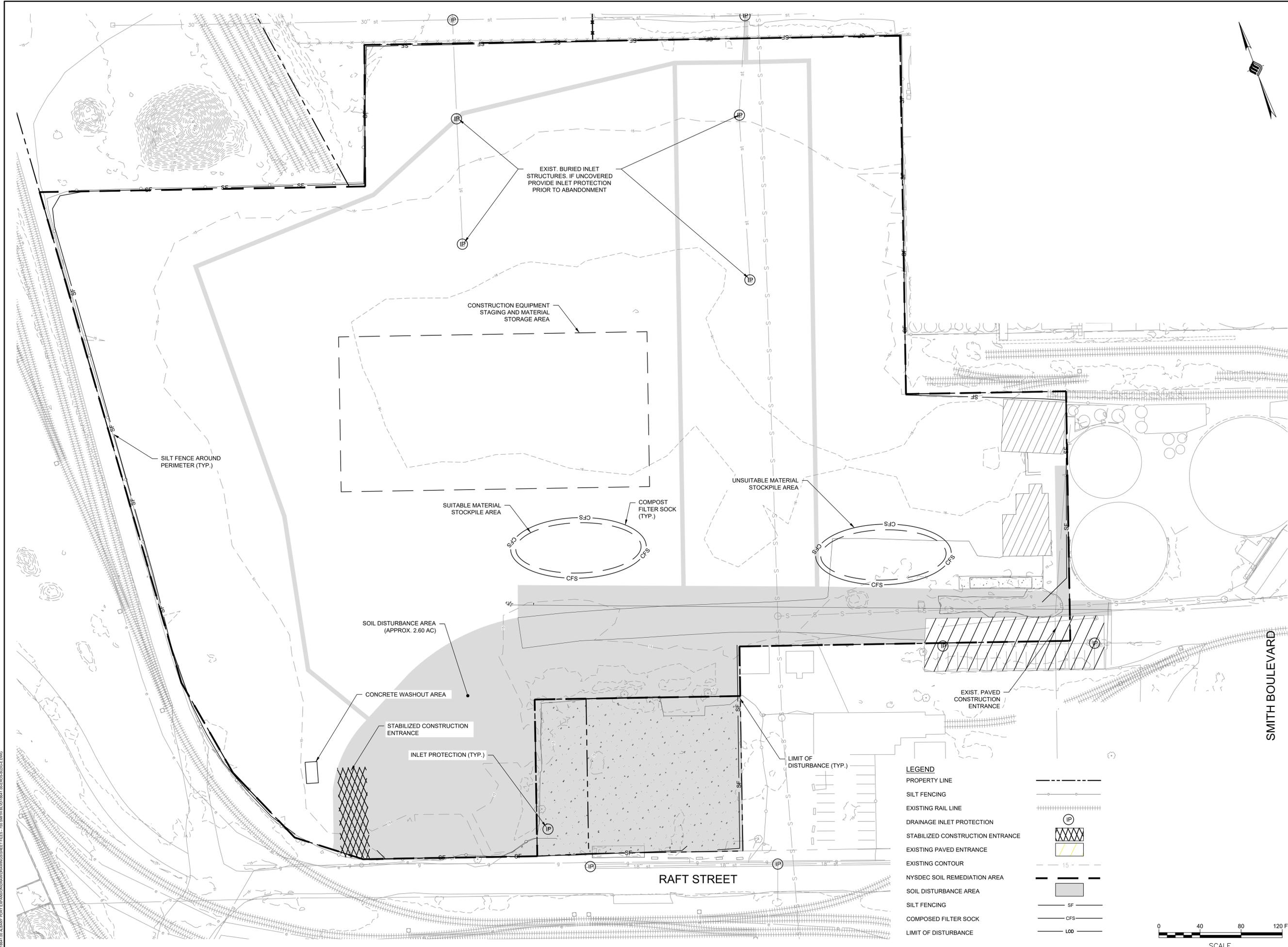
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SCALE	1"=40'
DATE	04/19/2022
PROJECT	18641.00



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DRAWING TITLE
EROSION AND SEDIMENT CONTROL PLAN - PHASE 1

DRAWING NUMBER
ESC-01
 18 OF 67

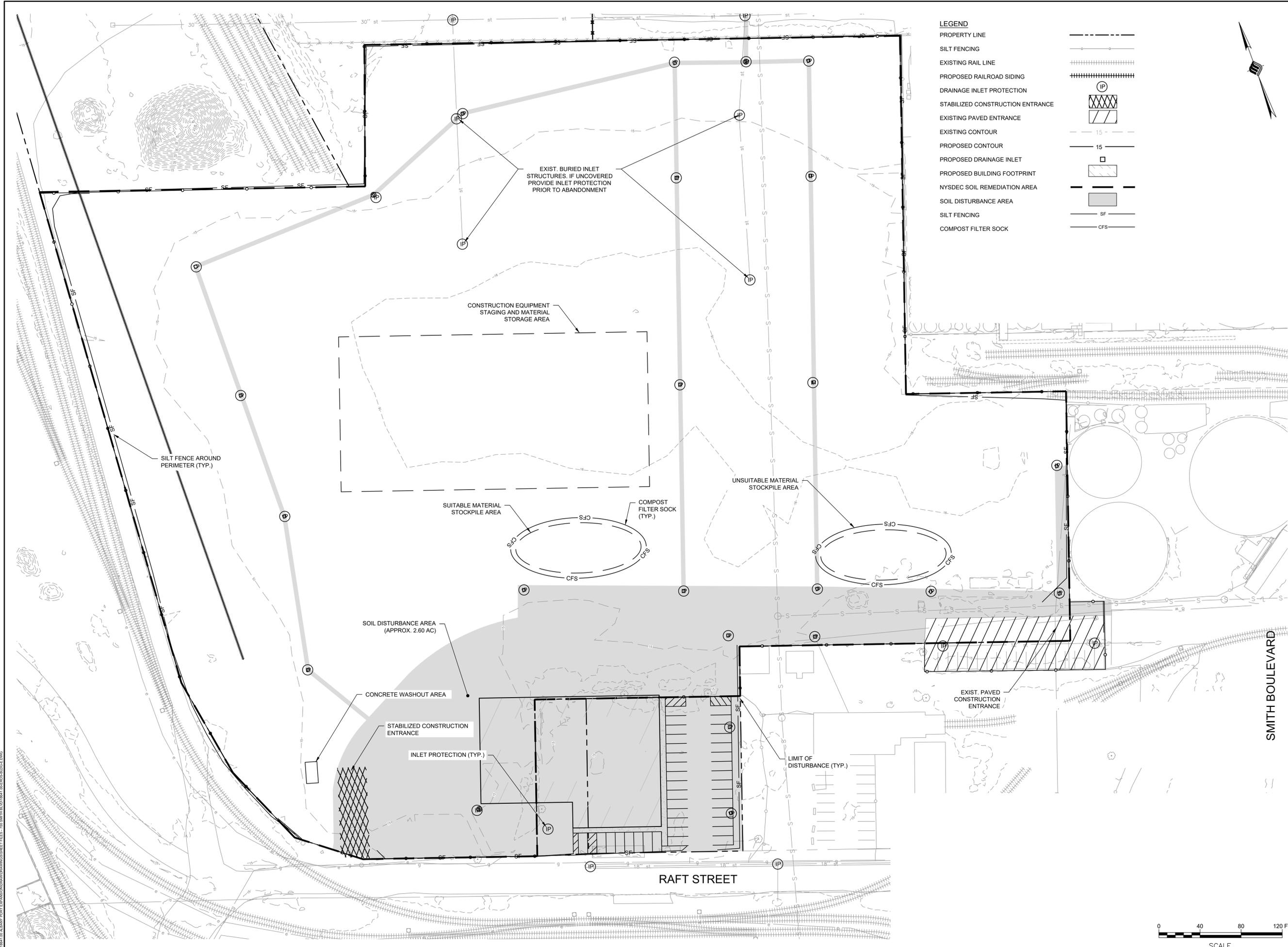


LEGEND

PROPERTY LINE	---
SILT FENCING	—○—
EXISTING RAIL LINE	+++++
DRAINAGE INLET PROTECTION	⊙
STABILIZED CONSTRUCTION ENTRANCE	▨
EXISTING PAVED ENTRANCE	▧
EXISTING CONTOUR	—○—
NYSDEC SOIL REMEDIATION AREA	---
SOIL DISTURBANCE AREA	■
SILT FENCING	—○—
COMPOSED FILTER SOCK	—○—
LIMIT OF DISTURBANCE	—○—



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LEGEND

PROPERTY LINE	---
SILT FENCING	—○—○—○—○—
EXISTING RAIL LINE	
PROPOSED RAILROAD SIDING	
DRAINAGE INLET PROTECTION	(IP)
STABILIZED CONSTRUCTION ENTRANCE	[X-pattern]
EXISTING PAVED ENTRANCE	[diagonal lines]
EXISTING CONTOUR	- - - 15 - - -
PROPOSED CONTOUR	— 15 —
PROPOSED DRAINAGE INLET	[square]
PROPOSED BUILDING FOOTPRINT	[hatched]
NYSDEC SOIL REMEDIATION AREA	[thick dashed]
SOIL DISTURBANCE AREA	[shaded]
SILT FENCING	- SF -
COMPOST FILTER SOCK	- CFS -

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 ALBANY, NEW YORK

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DRAWING TITLE
EROSION AND SEDIMENT CONTROL PLAN - PHASE 2

DRAWING NUMBER
ESC-02
 19 OF 67

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