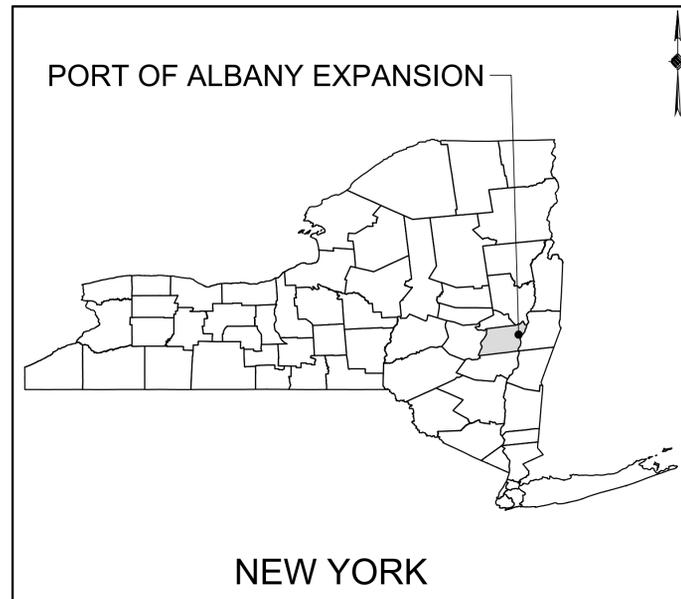


# ALBANY PORT DISTRICT COMMISSION

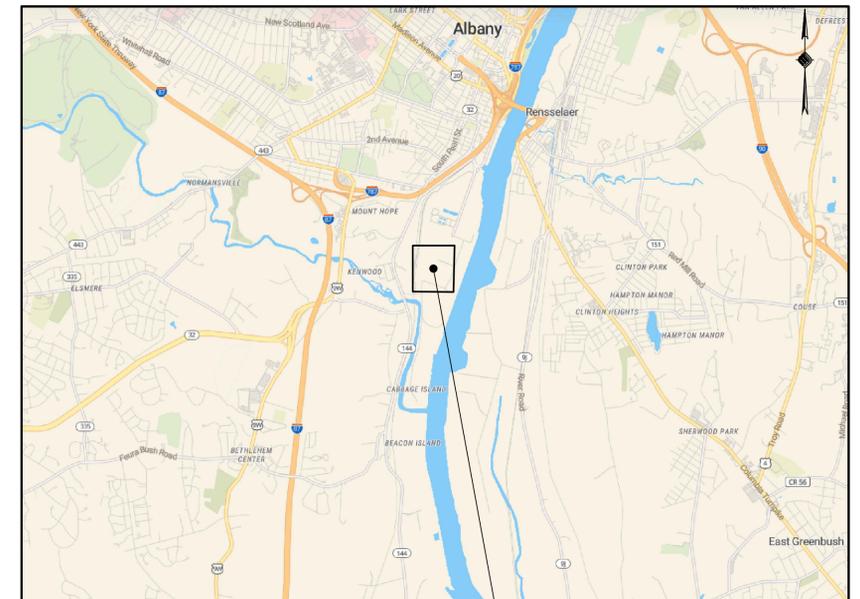
## MARMEN WELCON SITE: 700 SMITH BLVD



LOCATION MAP

### FINAL DESIGN PLANS JANUARY 2022

CITY OF ALBANY  
ALBANY COUNTY  
NEW YORK



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	<b>REVIEW SET</b>
PE_NO	088870	
PE_DATE	JANUARY 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.









**McFarland Johnson**  
 651 HOLIDAY DRIVE  
 PLAZA 5, SUITE 400  
 PITTSBURGH, PENNSYLVANIA 15220  
 P. 412-285-1206  
 PittsburghROM@mjinc.com

PROJECT MILESTONE  
**FINAL DESIGN PLANS**

NO.	DATE	DESCRIPTION

CLIENT:  
**ALBANY PORT DISTRICT COMMISSION**  
 ALBANY, NEW YORK

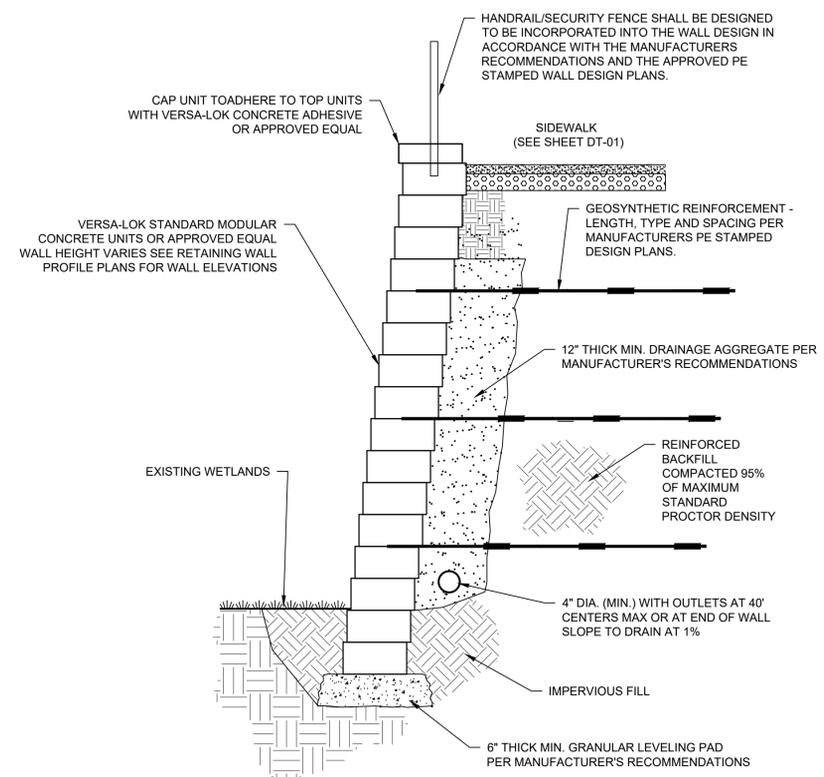
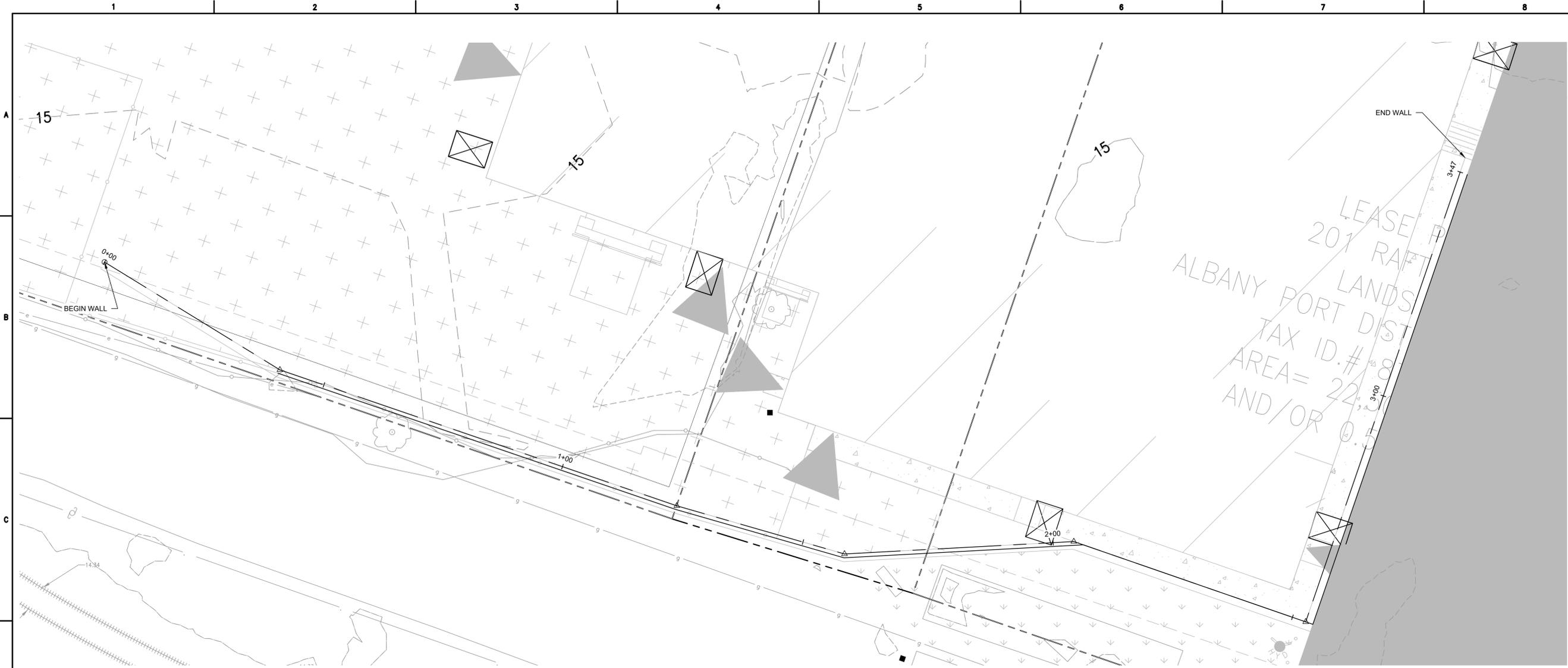
PROJECT:  
**PORT OF ALBANY SITE INFRASTRUCTURE IMPROVEMENTS: 700 SMITH BLVD**

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

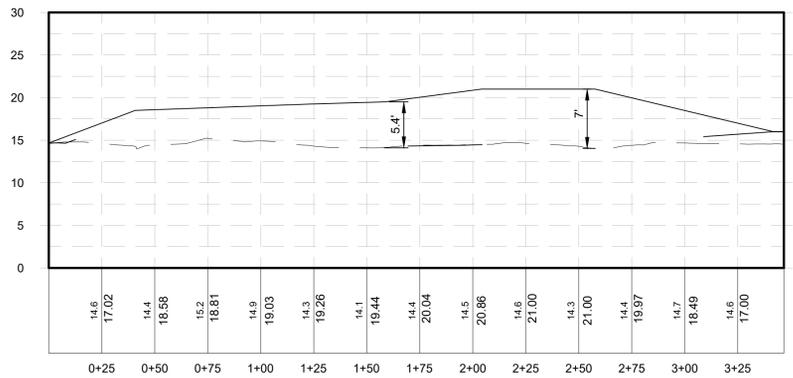
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DRAWING TITLE  
**RETAINING WALL**

DRAWING NUMBER  
**PR-01**



- RETAINING WALL NOTES:**
1. DETAILED WALL DESIGN CALCULATIONS SHALL BE PROVIDED BY THE CONTRACTOR/WALL MANUFACTURER IN ADDITION TO PROVIDING PE 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**  
 Horizontal Scale: 1" = 40'  
 Vertical Scale: 1" = 10'

**REINFORCED SEGMENTAL BLOCK RETAINING WALL**  
 NOT TO SCALE







**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  
**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
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DRAWING TITLE  
**DRAINAGE TABLES**

DRAWING NUMBER  
**GR-03**

**STRUCTURE TABLE**

STRUCTURE	RIM	INV(S) IN	INV OUT	TYPE	NORTHING	EASTING
D-1	14.91	11.33	10.97	CATCH BASIN	1381497.58	690424.72
D-2	13.75	10.22	10.22	CATCH BASIN	1381645.23	690453.88
D-3	13.84	9.60	9.60	CATCH BASIN	1381769.69	690454.11
D-4	14.00	6.36 7.77	6.36	CATCH BASIN	1381927.86	690960.75
D-5	14.61	6.63 6.01	6.01	CATCH BASIN	1381905.27	691026.23
D-6	15.89		11.42	CATCH BASIN	1381498.50	690648.44
D-7	15.78	10.63	10.53	CATCH BASIN	1381444.43	690794.02
D-8	15.20	9.53	9.43	CATCH BASIN	1381633.51	690859.23
D-9	15.20	8.43	8.33	CATCH BASIN	1381822.60	690924.45
D-10	14.00	6.94	6.94	CATCH BASIN	1381885.47	691083.65
D-11	15.20	7.49	7.49	CATCH BASIN	1381780.19	691047.34
D-12	14.88	8.49	8.49	CATCH BASIN	1381591.12	690982.13
D-13	15.36	9.49 9.86	9.49	CATCH BASIN	1381402.05	690916.91
D-14	14.82	10.42	10.42	CATCH BASIN	1381361.71	691019.63
D-15	14.43	11.04	11.04	CATCH BASIN	1381317.13	691136.76
D-16	14.79		12.08	CATCH BASIN	1381434.04	691176.37
D-17	15.20	9.73	9.73	CATCH BASIN	1381359.17	690899.02
D-18	15.83	10.15	10.15	CATCH BASIN	1381389.29	690820.13
D-19	15.14	10.59	10.59	CATCH BASIN	1381305.44	690791.22
D-20	14.66		11.01	CATCH BASIN	1381226.89	690763.65
D-21	13.82	8.94	8.94	CATCH BASIN	1381901.93	690455.48
D-22	14.89	8.01	8.01	CATCH BASIN	1381908.07	690641.83
D-23	14.64	7.42	7.42	DRAINAGE MANHOLE	1381952.26	690750.18
D-24	20.75	18.08 18.08	17.75	DRAINAGE MANHOLE	1381314.12	690535.00
EXIST. STRUCTURE	13.41	5.78		EXISTING CATCH BASIN	1381947.83	691040.91

**PIPE TABLE**

NAME	SIZE	LENGTH	SLOPE	MATERIAL	FROM STRC	TO STRC
BUILDING CONNECTION	12"	214.05'	3.00%	SICPP		D-1
P-1	12"	150.51'	0.50%	SICPP	D-2	D-1
P-2	16"	124.46'	0.50%	SICPP	D-3	D-2
P-3	24"	132.25'	0.50%	SICPP	D-3	D-21
P-4	20"	69.26'	0.50%	SICPP	D-4	D-5
P-5	24"	45.02'	0.50%	SICPP	D-5	EXIST. STRUCTURE
P-6	12"	155.30'	0.51%	SICPP	D-6	D-7
P-7	18"	200.01'	0.50%	SICPP	D-7	D-8
P-8	18"	200.01'	0.50%	SICPP	D-8	D-9
P-9	20"	111.34'	0.50%	SICPP	D-9	D-4
P-10	24"	60.74'	0.50%	SICPP	D-10	D-5
P-11	24"	111.37'	0.50%	SICPP	D-11	D-10
P-12	24"	200.00'	0.50%	SICPP	D-12	D-11
P-13	18"	200.00'	0.50%	SICPP	D-13	D-12
P-14	12"	110.35'	0.50%	SICPP	D-14	D-13
P-15	10"	125.32'	0.50%	SICPP	D-15	D-14
P-16	8"	123.44'	0.84%	SICPP	D-16	D-15
P-17	12"	46.46'	0.50%	SICPP	D-17	D-13
P-18	10"	84.44'	0.50%	SICPP	D-18	D-17
P-19	10"	88.70'	0.50%	SICPP	D-19	D-18
P-20	8"	83.24'	0.50%	SICPP	D-20	D-19
P-21	24"	186.45'	0.50%	SICPP	D-21	D-22
P-22	24"	117.02'	0.50%	SICPP	D-22	D-23
P-23	18"	211.98'	0.50%	SICPP	D-23	D-4



**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  
**FINAL DESIGN PLANS**

NO.	DATE	DESCRIPTION

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

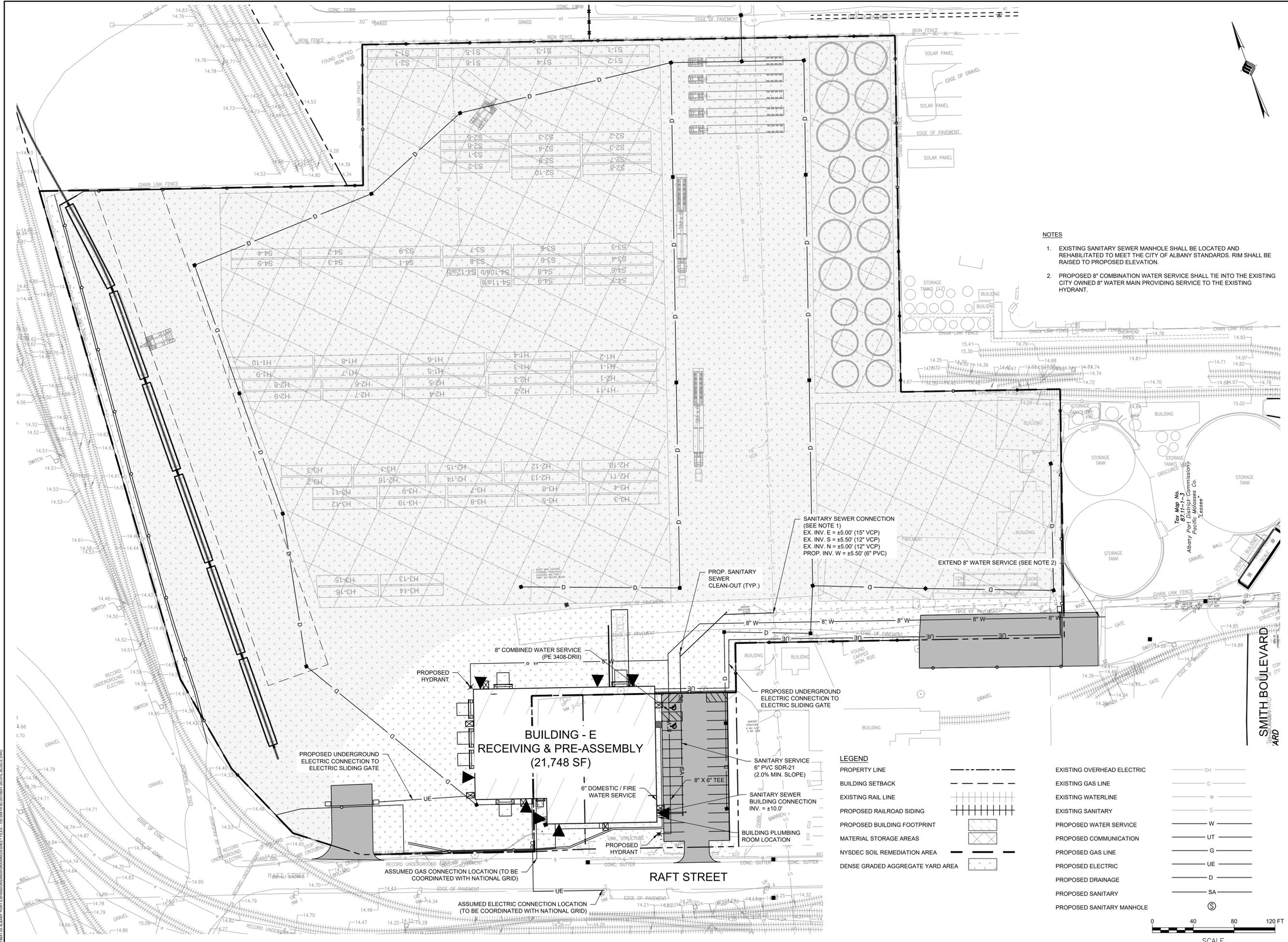
DRAWN	JES
DESIGNED	NSO
CHECKED	AJF
SCALE	1"=40'
DATE	JANUARY 2022
PROJECT	18641.00

**FOR REVIEW  
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DRAWING TITLE  
**UTILITY PLAN**

DRAWING NUMBER  
**UT-01**  
 9 OF 19













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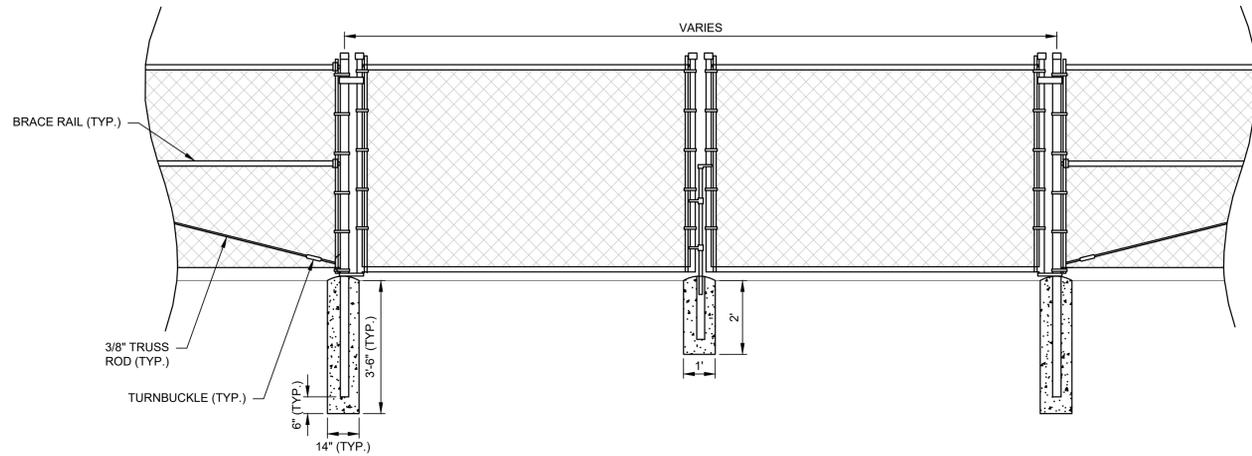
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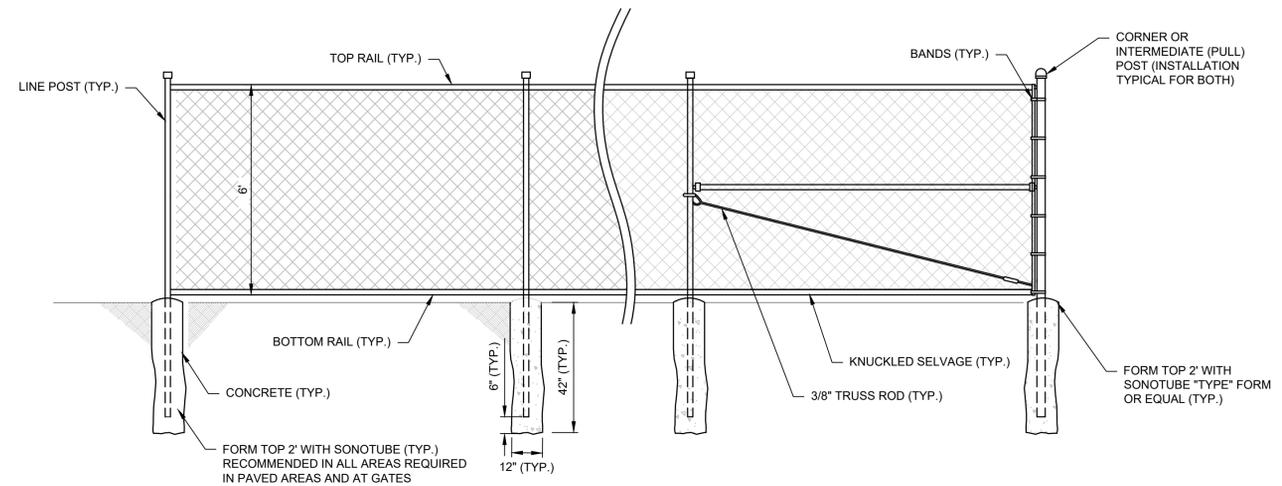
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ALBANY, NEW YORK

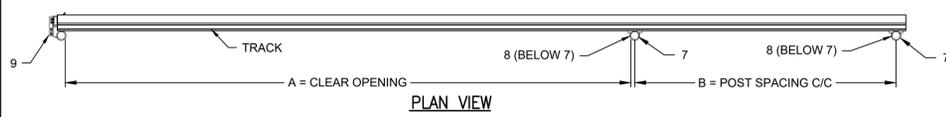
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**PORT OF ALBANY SITE INFRASTRUCTURE IMPROVEMENTS: 700 SMITH BLVD**



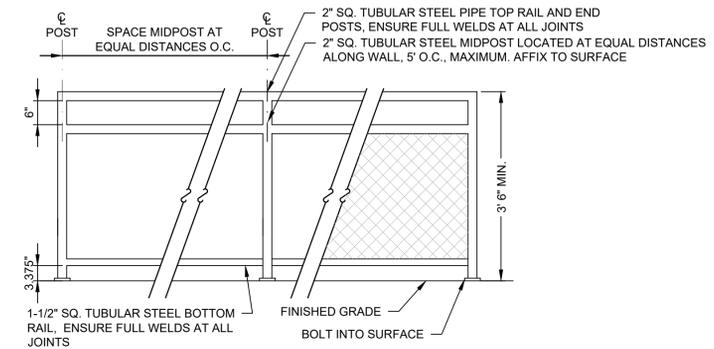
**SWING GATE**



**6' GALVANIZED CHAIN LINK FENCE**

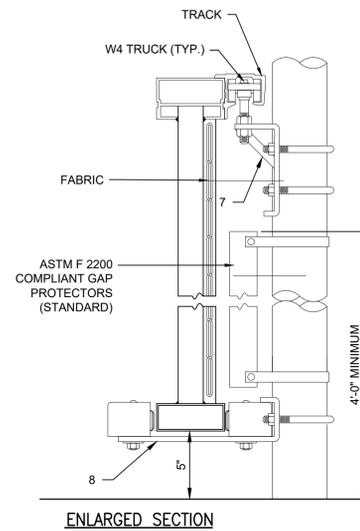
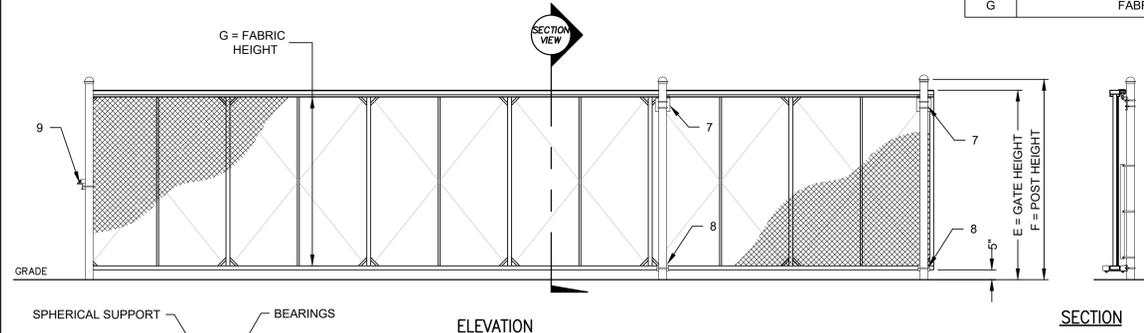


MARK	DESCRIPTION	FORMULA	DIM.	DIM.
A	CLEAR OPENING	A	2-20' (40' TOTAL)	2-16' (32' TOTAL)
B	COUNTERBALANCE POST SPACING C/C	(A/2)-11"	19'-1"	15'-1"
C	OVERALL GATE LENGTH	A x 1.5	30'	24'
D	COUNTERBALANCE LENGTH	A x 0.5	10'	8'
E	NOMINAL GATE HEIGHT	E	6'	6'
F	POST HEIGHT (W BARB ARMS)	E + 1'-6"	7'-6"	7'-6"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

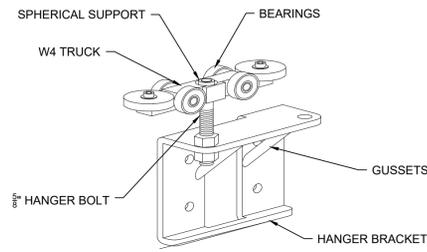


NOTE:  
 1. FINISH TO BE BLACK POWDER COATING.

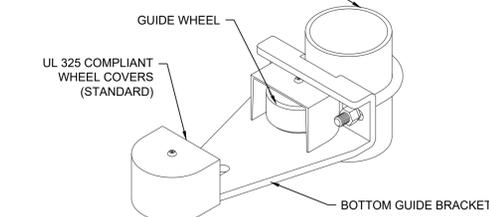
**RETAINING WALL HANDRAIL / SECURITY FENCE**



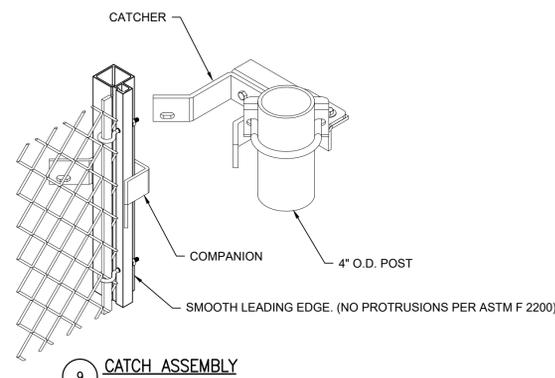
**ENLARGED SECTION**



**7 GATE HANGER ASSEMBLY**



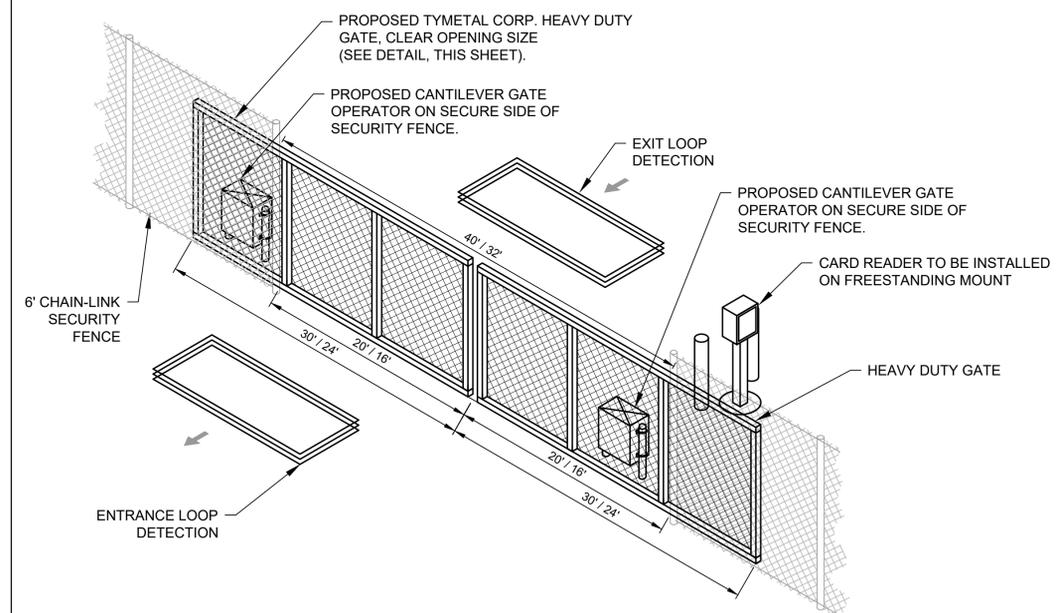
**8 BOTTOM GUIDE**



**9 CATCH ASSEMBLY**

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

**HEAVY DUTY CANTILEVER SLIDE GATE**



**POWERED CANTILEVER GATE**

DRAWN	OMH
DESIGNED	NSO
CHECKED	AJF
SCALE	1"=40'
DATE	JANUARY 2022
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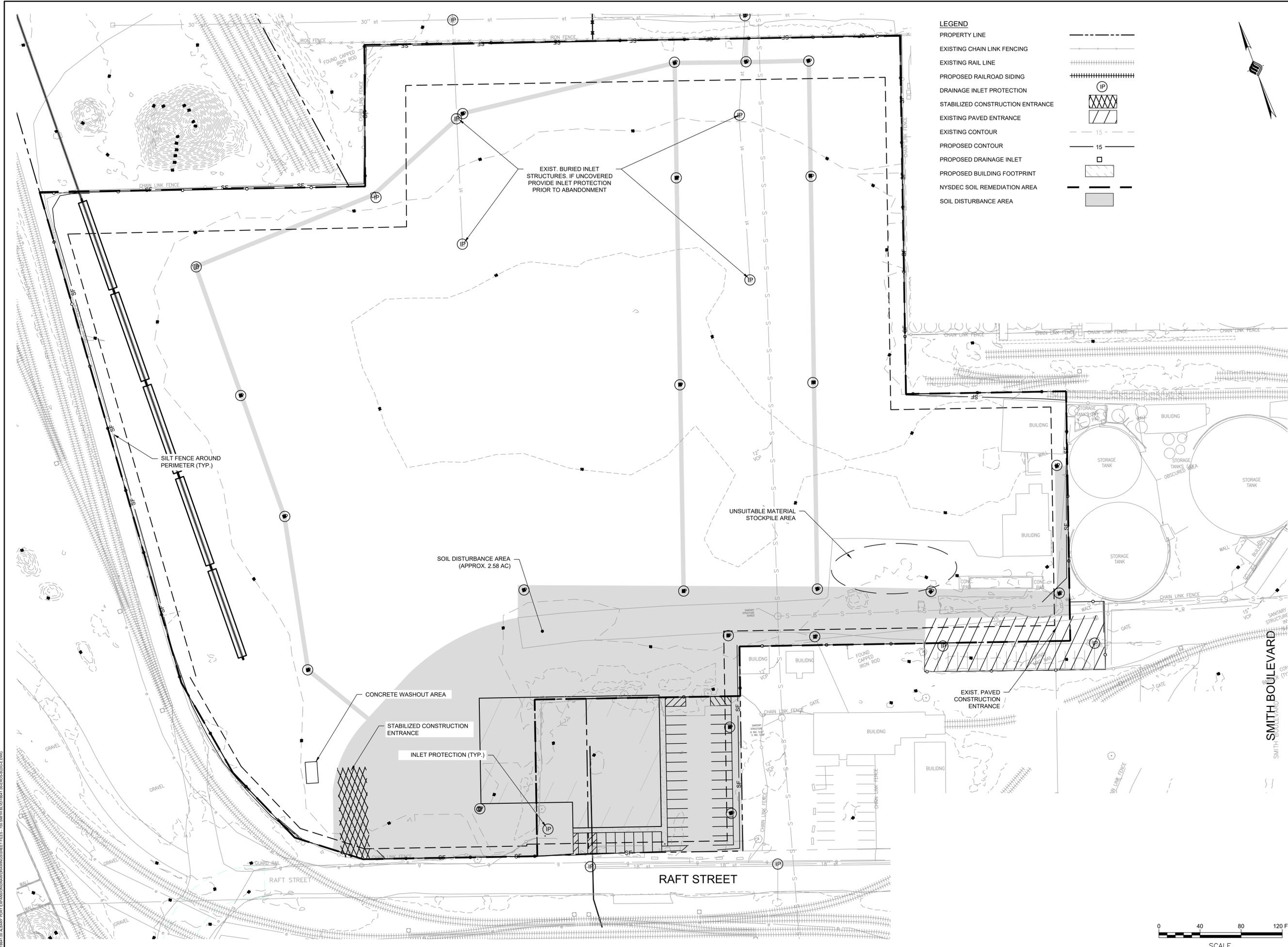
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DRAWING TITLE  
**DETAIL SHEET (5 OF 5)**

DRAWING NUMBER

**DT-05**





**LEGEND**

PROPERTY LINE	---
EXISTING CHAIN LINK FENCING	=====
EXISTING RAIL LINE	
PROPOSED RAILROAD SIDING	
DRAINAGE INLET PROTECTION	(IP)
STABILIZED CONSTRUCTION ENTRANCE	[Hatched Box]
EXISTING PAVED ENTRANCE	[Diagonal Lines Box]
EXISTING CONTOUR	- - - 15 - - -
PROPOSED CONTOUR	— 15 —
PROPOSED DRAINAGE INLET	[Square]
PROPOSED BUILDING FOOTPRINT	[Hatched Box]
NYSDEC SOIL REMEDIATION AREA	---
SOIL DISTURBANCE AREA	[Grey Box]



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 SaratogaROM@mjinc.com

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
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DRAWING TITLE  
**EROSION AND SEDIMENT CONTROL PLAN - PHASE 2**

DRAWING NUMBER  
**ESC-02**  
 16 OF 19



N:\18641\02 ALBANY PORT EXPANSION\DRAWINGS\SCHEMATIC FILES - 700 SMITH BLVD\18641-02 ESC-02.DWG







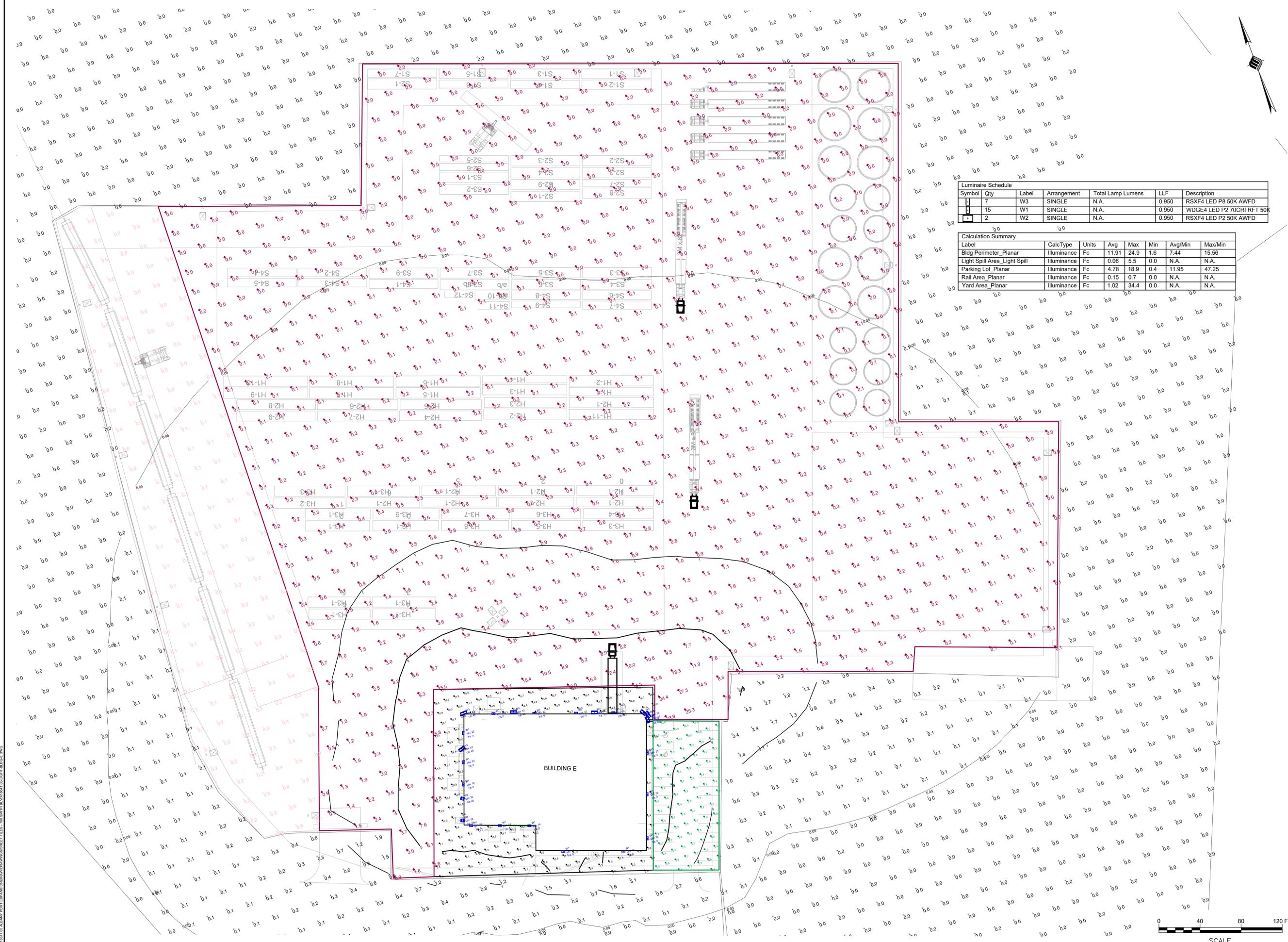
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PROJECT MILESTONE  
**FINAL DESIGN PLANS**

NO.	DATE	DESCRIPTION

Symbol	Qty	Label	Arrangement	Total Lamp Lumens	LLF	Description
□	7	W3	SINGLE	N.A.	0.950	RSXF4 LED P8 50K AWFD
□	15	W1	SINGLE	N.A.	0.950	WDGE4 LED P2 70CRI RFT 50K
□	2	W2	SINGLE	N.A.	0.950	RSXF4 LED P2 50K AWFD

Label	CalcType	Units	Avg	Max	Min	Avg/Min	Max/Min
Bldg Perimeter_Planar	ILLUMINANCE	Fc	11.91	24.9	1.6	7.44	15.56
Light Spill Area_Light Spill	ILLUMINANCE	Fc	0.06	5.5	0.0	N.A.	N.A.
Parking Lot_Planar	ILLUMINANCE	Fc	4.78	18.9	0.4	11.95	47.25
Rail Area_Planar	ILLUMINANCE	Fc	0.15	0.7	0.0	N.A.	N.A.
Yard Area_Planar	ILLUMINANCE	Fc	1.02	34.4	0.0	N.A.	N.A.



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 ALBANY, NEW YORK  
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DRAWING TITLE  
**LIGHTING PLAN**

DRAWING NUMBER  
**LT-01**  
 19 OF 19

N:\18641\ALBANY PORT DISTRICT COMMISSION\DRAWINGS\18641-01-LIGHTING.DWG