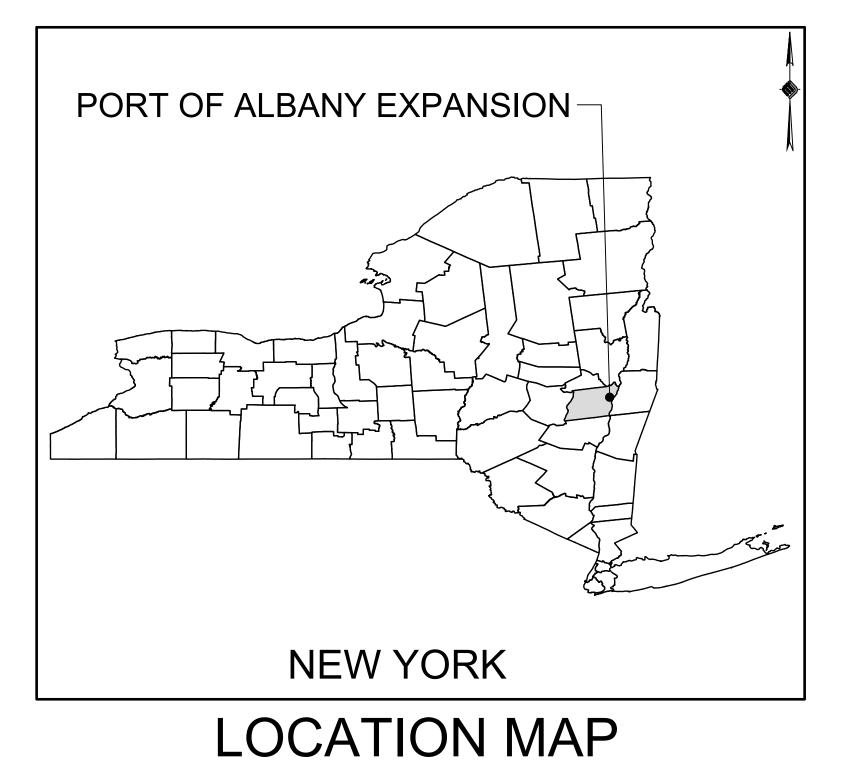
# ALBANY PORT DISTRICT COMMISSION MARMEN WELCON SITE: 700 SMITH BLVD

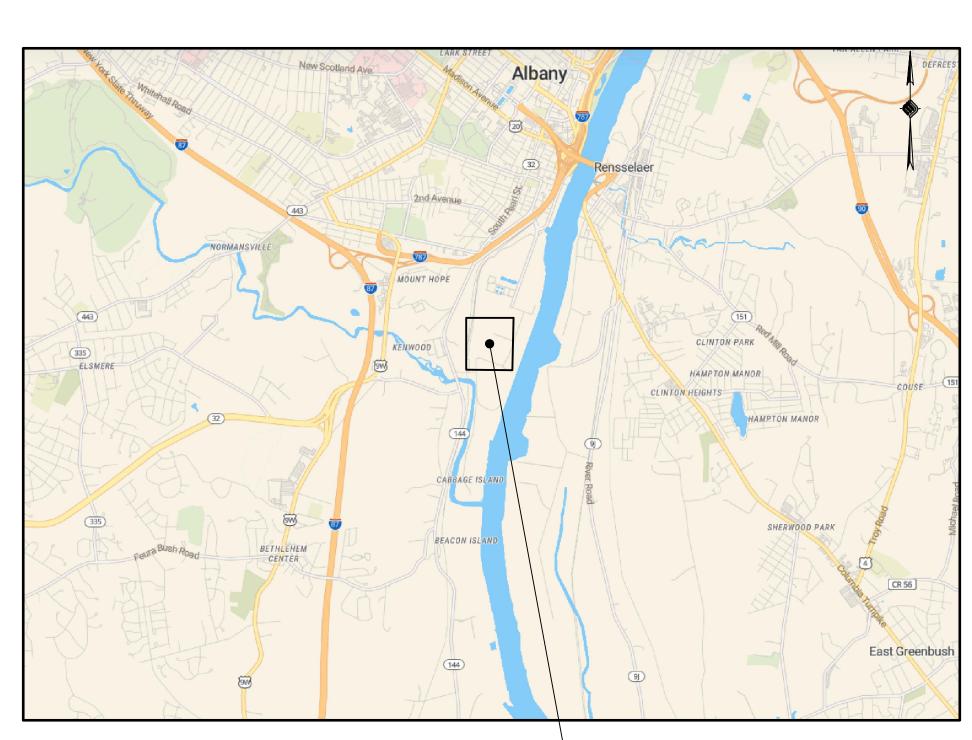


PREPARED FOR:

PREPARED BY:

## FINAL DESIGN PLANS JANUARY 2022

CITY OF ALBANY ALBANY COUNTY **NEW YORK** 





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



MCFARLAND JOHNSON PROJECT # 18641.00

## PORT OF ALBANY EXPANSION -

## VICINITY MAP

SEALED	ADAM J. FROSINO 088870		REVIEW SET
PE_DATE	JANUARY 2022		
OF A LICENSED SURVEYOR, TO LICENSED PRO	ON OF THE LAW FOR ANY PERS D PROFESSIONAL ENGINEER, A D ALTER AN ITEM IN ANY WAY. I DFESSIONAL IS ALTERED, THE A R LAND SURVEYOR SHALL STA	RCHITECT, LAN F AN ITEM BEAF ALTERING ENGI	DSCAPE ARCHITECT, OR LAN RING THE STAMP OF A NEER, ARCHITECT, LANDSCA

ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION

### GENERAL NOTES:

- THE UNDERGROUND STRUCTURES AND UTILITIES SHOWN ON THESE PLANS HAVE BEEN PLOTTED FROM A SURVEY PREPARED BY MASER CONSULTING P.A. 18 COMPUTER DRIVE EAST SUITE 203, ALBANY, NY 12205, DATED JULY 10, 2018 AND AUGUST 10, 2021 AND AVAILABLE SURVEYS AND RECORD MAPS BY OTHERS. MCFARLAND JOHNSON DOES NOT CERTIFY TO THE ACCURACY OF THEIR LOCATION AND/OR COMPLETENESS. IT IS THE CONTRACTOR'S RESPONSIBILITY TO VERIFY THE LOCATION AND EXTENT OF ALL UNDERGROUND STRUCTURES AND UTILITIES PRIOR TO ANY DIGGING OR CONSTRUCTION ACTIVITIES IN THEIR VICINITY. THE CONTRACTOR SHALL HAVE ALL EXISTING UTILITIES FIELD STAKED BEFORE STARTING WORK BY CALLING 1-800-962-7962.
- 2. THE CONTRACTOR SHALL PERFORM ALL WORK IN COMPLIANCE WITH TITLE 29 OF FEDERAL REGULATIONS, PART 1926, SAFETY AND HEALTH REGULATIONS FOR CONSTRUCTION (OSHA).
- 3. HIGHWAY DRAINAGE ALONG ALL ROADS AND PRIVATE DRIVES SHALL BE KEPT CLEAN OF MUD, DEBRIS ETC. AT ALL TIMES. ALL CATCH BASINS AND STORM SEWER MANHOLES SHALL BE CLEANED PRIOR TO ACCEPTANCE BY THE TOWN.
- 4. THE CONTRACTOR SHALL CONSULT THE DESIGN ENGINEER BEFORE DEVIATING FROM THESE PLANS.
- 5. IN ALL TRENCH EXCAVATIONS, CONTRACTOR MUST LAY THE TRENCH SIDE SLOPES BACK TO A SAFE SLOPE, USE A TRENCH SHIELD OR PROVIDE SHEETING AND BRACING. THE MEANS AND METHODS SHALL BE CERTIFIED BY A PROFESSIONAL ENGINEER.
- 6. EXCAVATED WASTE MATERIAL REMOVED FROM THE SITE SHALL BE PLACED AT A LOCATION ACCEPTABLE TO THE NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION AND THE OWNER.
- 7. THE CONTRACTOR SHALL TAKE PRECAUTIONS TO MAINTAIN A MINIMUM OF 2' OF COVER OVER ALL EXISTING AND NEW STORM SEWER PIPES AND 4' OF COVER OVER ALL SANITARY PIPES DURING CONSTRUCTION.
- 8. ALL EXISTING SURFACE APPURTENANCES (I.E. WATER VALVES, CATCH BASIN FRAMES AND GRATES, MANHOLE COVERS) WITHIN THE PROJECT LIMITS SHALL BE ADJUSTED TO FINISHED GRADE. (NO SEPARATE PAYMENT).
- 9. AREAS DISTURBED OR DAMAGED AS PART OF THIS PROJECT'S CONSTRUCTION THAT ARE OUTSIDE OF THE PRIMARY WORK AREA SHALL BE RESTORED, AT THE CONTRACTORS EXPENSE, TO THE SATISFACTION OF THE OWNER'S REPRESENTATIVE.
- 10. UNLESS COVERED BY THE CONTRACT SPECIFICATIONS OR AS NOTED ON THE PLANS, ALL WORK SHALL CONFORM TO THE LATEST VERSION OF THE NEW YORK STATE DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS AND ANY SUBSEQUENT REVISIONS OR ENGINEERING BULLETINS.
- 11. THE CONTRACTOR SHALL BE RESPONSIBLE TO SECURE ALL PERMITS AND PROVIDE ALL BONDS REQUIRED FOR THIS WORK, INCLUDING BUT NOT LIMITED TO UTILITY CONNECTIONS, BUILDING AND SITE CONSTRUCTION.
- 12. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY INSPECTIONS AND/OR CERTIFICATIONS REQUIRED BY CODE AND/OR UTILITY SERVICE COMPANIES. THIS SHALL BE COMPLETED PRIOR TO ANNOUNCED BUILDING POSSESSION AND THE FINAL CONNECTION OF SERVICES.
- 13. MAINTENANCE AND PROTECTION OF TRAFFIC ALONG WITH SECURING THE WORK AREA SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
- 14. THE CONTRACTOR SHALL LOCATE, MAKE, SAFEGUARD AND PRESERVE ALL SURVEY CONTROL MONUMENTS AND ROW MONUMENTS IN THE AREAS OF CONSTRUCTION.
- 15. THE CONTRACTOR SHALL BE HELD RESPONSIBLE FOR CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES AND SAFETY PROCEDURES. THE OWNER AND/OR ARCHITECT/ENGINEER SHALL NOT BE RESPONSIBLE FOR THE ACTS OR OMISSIONS OF THE CONTRACTOR, SUB CONTRACTOR OR THEIR AGENTS, EMPLOYEES OR ANY OTHER PERSON PERFORMING ANY OF THE WORK.
- 16. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO REVIEW ALL OF THE DRAWINGS AND SPECIFICATION ASSOCIATED WITH THIS PROJECT WORK SCOPE PRIOR TO THE INITIATION OF CONSTRUCTION. SHOULD THE CONTRACTOR FIND A CONFLICT WITH THE DOCUMENTS RELATIVE TO THE SPECIFICATION OR APPLICABLE CODES, IT IS THE CONTRACTORS RESPONSIBILITY TO NOTIFY THE OWNERS REP. IN WRITING PRIOR TO THE START OF CONSTRUCTION. FAILURE BY THE CONTRACTOR TO NOTIFY THE OWNERS REP. SHALL CONSTITUTE ACCEPTANCE OF FULL RESPONSIBILITY BY THE CONTRACTOR TO COMPLETE THE SCOPE OF WORK AS DEFINED BY THE DRAWINGS IN FULL CONFORMANCE WITH LOCAL **REGULATIONS AND CODES.**

## 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 HYDROSEEDED 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 CITY OF ALBANY 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.
- 8. 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.
- 9. 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.
- 10. ALL PROPOSED ELEVATIONS SHOWN HEREON ARE FINISHED GRADE ELEVATION.
- 11. CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING RIM ELEVATIONS IN RELATION TO PROPOSED GRADE PRIOR TO INSTALLATION.

## SEQUENCE OF CONSTRUCTION

- CITY OF ALBANY (MS4) PRIOR TO LAND DISTURBING ACTIVITIES.
- DRAWINGS.
- TO COMMENCEMENT OF GROUND DISTURBANCE.
- AREAS WHERE EARTHWORK WILL BE PERFORMED.
- SEED AND MULCH PER PLANS.
- SITE GRADING.
- WITHIN 7 DAYS.
- TREATED BY APPROPRIATE EROSION AND SEDIMENT CONTROL DEVICES.
- PLANS.
- SPECIFICATIONS.
- 13. FINALIZE PAVEMENT SUB-GRADE PREPARATION.
- DISTURBED AREAS.
- TEMPORARY EROSION AND SEDIMENT CONTROLS.

## SANITARY SEWER NOTES

- SANITARY SEWER.
- SPECIFIED ON THE PLANS.
- SANITARY LATERALS.

- THE LOCAL AND/OR ALBANY COUNTY SEWER USE LAW.
- SEVENTY-FIVE (75) FEET.
- 9. MAXIMUM SPACING BETWEEN SANITARY MANHOLES MAY NOT EXCEED FOUR-HUNDRED (400) FEET.
- VACUUM TESTS, SHALL NOT BE ALLOWED ON SANITARY MANHOLES.
- MAIN AIR PRESSURE/ EXFILITRATION TESTING, SEWER MANHOLE PERFORMED WITHOUT MECHANICAL PULLING DEVICES.
- SCHODACK WATER AND SEWER DEPARTMENT STANDARDS.
- 20' LENGTHS.

## STORM SEWER:

- 2. PLACE RIP-RAP AROUND ALL END SECTIONS.
- STORM SEWER-COMPACT WITH APPROVED EQUIPMENT.
- WITHSTAND HS-20 LOADING.

1. HOLD A PRE-CONSTRUCTION MEETING WITH PROJECT MANAGER, OPERATOR'S ENGINEER, CONTRACTORS & SUB-CONTRACTORS, AND REPRESENTATIVES OF THE TOWN OF BETHLEHEM AND

2. HAVE A QUALIFIED PROFESSIONAL CONDUCT AN ASSESSMENT OF THE SITE PRIOR TO THE COMMENCEMENT OF CONSTRUCTION AND CERTIFY IN AN INSPECTION REPORT THAT THE APPROPRIATE EROSION AND SEDIMENT CONTROLS DESCRIBED IN THE SWPPP AS REQUIRED BY THE GP-0-20-001 HAVE BEEN ADEQUATELY INSTALLED OR IMPLEMENTED TO ENSURE OVERALL PREPAREDNESS OF THE SITE FOR THE COMMENCEMENT OF CONSTRUCTION.

3. INSTALL PERIMETER CONTROLS AND INLET PROTECTION AT THE LOCATIONS SHOWN ON THE

4. CONSULT A QUALIFIED PROFESSIONAL TO PERFORM A SITE INSPECTION AND VERIFY THAT THE INITIAL PHASE OF EROSION CONTROL DEVICES HAVE BEEN INSTALLED PER THE DRAWINGS PRIOR

5. BEGIN CLEARING AND GRUBBING OPERATIONS. CLEARING AND GRUBBING SHALL ONLY BE DONE IN

6. STRIP AND STOCKPILE TOPSOIL, INSTALL PERIMETER EROSION CONTROL AROUND STOCKPILES,

7. COMMENCE EARTHWORK CUTS AND FILLS. WORK SHALL BE PROGRESSED TO ALLOW A REASONABLE TRANSFER OF CUT AND FILL FOR ROUGH GRADING AND EARTH MOVING FOR BULK

8. STABILIZE ALL AREAS IDLE IN EXCESS OF 7 DAYS IN WHICH CONSTRUCTION WILL NOT COMMENCE

9. ADJUST THE EROSION AND SEDIMENT CONTROL PRACTICES AS REQUIRED FOR CONTINUING CONSTRUCTION AS SHOWN ON THE EROSION & SEDIMENT CONTROL PLAN. THIS SHALL BE A PHASED ADJUSTMENT IN ORDER TO ENSURE THAT RUNOFF FROM ALL DISTURBED AREAS IS

10. CONSTRUCT CATCH BASINS, AREA INLETS AND STORM SEWER MANHOLES, AS SHOWN ON THE

11. INSTALL INLET/OUTLET PROTECTION PROGRESSIVELY AS THE STORM SEWER IS INSTALLED.

12. AS LAWN AREAS ARE BROUGHT TO GRADE, STABILIZE WITH TOPSOIL, SEED AND MULCH PER

14. INSTALL ASPHALT SUB-BASE MATERIAL AS REQUIRED FOR PAVEMENT.

15. CARRY OUT ALL FINAL GRADING, STABILIZE SLOPES GREATER THAN 3H:1V WITH HEIGHTS EXCEEDING 5 FEET WITH EROSION CONTROL MATTING/BLANKETS, AND SEED AND MULCH ALL

16. A QUALIFIED PROFESSIONAL SHALL PERFORM A SITE ASSESSMENT TO CONFIRM THAT ALL PERMANENT STORMWATER DEVICES HAVE BEEN INSTALLED PER PLANS AND 80% UNIFORM GERMINATION/STABILIZATION HAS BEEN ACHIEVED PRIOR TO THE REMOVAL OF ALL REMAINING

1. ONLY DOMESTIC WASTE FROM THE PROJECT SHALL BE DISCHARGED INTO THE

2. ALL SANITARY LATERALS SHALL BE 6" PVC SDR-21 ASTM D2241 UNLESS OTHERWISE

3. A MINIMUM OF 4 FEET OF COVER SHALL BE PROVIDED OVER ENTIRE LENGTH OF ALL

5. THE CITY OF ALBANY DEPARTMENT OF WATER & WATER SUPPLY SHALL BE NOTIFIED FORTY-EIGHT HOURS IN ADVANCE OF CONNECTION OR TAP. [518-434-5300].

6. SANITARY SEWER LATERAL(S) AND APPURTENANCES SHALL BE CONSTRUCTED IN CONFORMANCE WITH THE REQUIREMENTS OF THE TOWN OF BETHLEHEM.

7. FLOOR DRAINS, IF CONSTRUCTED, SHALL BE CONNECTED TO THE SANITARY SEWER. FLOOR DRAINS DO NOT INCLUDE FOUNDATION/FOOTER DRAINS. NOTE: ALL DISCHARGES TO THE SANITARY SEWER MUST COMPLY WITH THE EFFLUENT LIMITS OF

MAXIMUM SPACING BETWEEN CLEANOUTS ON SANITARY LATERALS MAY NOT EXCEED

10. EXFILTRATION AND/OR INFILTRATION FOR SANITARY SEWERS SHALL BE LIMITED TO 100 GALLONS PER DAY, PER MILE OF PIPE, PER INCH DIAMETER, AND SHALL BE PERFORMED IN ACCORDANCE WITH DISTRICT PROCEDURES. AIR TESTS, INCLUDING

11. UPON COMPLETING CONSTRUCTION AND AFTER THE PIPE BACKFILL HAS BEEN IN PLACE FOR A PERIOD OF 30 DAYS, THE NEW SANITARY SEWER SHALL BE SUBJECT TO THE FOLLOWING TESTS AND PROCEDURES. FLUSH AND CLEAN THE SYSTEM, SEWER

VACUUM/INFILTRATION TESTING (PERFORMED ONLY AFTER INVERTS AND BENCHES ARE FORMED), AND SEWER MAIN DEFLECTION TEST. DEFLECTION TESTS SHALL BE PERFORMED ON ALL FLEXIBLE PIPE. THE TEST SHALL BE CONDUCTED AFTER ALL FINAL BACKFILL HAS BEEN IN PLACE AT LEAST THIRTY (30) DAYS. NO PIPE SHALL EXCEED A DEFLECTION OF FIVE PERCENT (5%). IF THE DEFLECTION TEST IS RUN USING A RIGID BALL OR MANDREL. IT SHALL HAVE A MINIMUM DIAMETER EQUAL TO NINETY-FIVE PERCENT (95%) OF THE INSIDE DIAMETER OF THE PIPE. TEST SHALL BE

12. MANHOLES SHALL BE 4' INSIDE DIAMETER UNLESS OTHERWISE SPECIFIED ON PLANS. MANHOLE FRAMES AND COVERS SHALL BE CAMPBELL MODEL NO. 1009, NEENAH FOUNDRY. INC. MODEL NO. R-1556, OR APPROVED EQUAL PER THE TOWN OF

13. MIN DEFLECTION OF 3" PVC SDR21 ASTM D2241 FORCE MAIN SEWER LINE IS 0.7' FOR

1. ALL HDPE PIPES SHALL FOLLOW NYSDOT SECTION 603-2 AND 706-12. BE SMOOTH INTERIOR.

3. IN INSTANCES WHERE THE STORM SEWER CROSSES THE SANITARY SEWER A CRUSHED STONE ENCASEMENT SHALL BE PROVIDED AROUND THE SANITARY SEWER UP TO THE

4. ALL CATCH BASINS AND STORM MANHOLES WITHIN PAVEMENT TO BE CONSTRUCTED TO

WATER MAIN INSTALLATION:

- 1. WATER SERVICE LINE (LATERALS) SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE REGULATIONS AND SPECIFICATIONS OF THE ALBANY COUNTY HEALTH DEPARTMENT, AND THE LOCAL WATER AUTHORITY.
- 2. ALL EROSION CONTROL MEASURES SHALL BE EMPLOYED DURING ALL PHASES OF CONSTRUCTION IN ACCORDANCE WITH ALL APPROPRIATE STANDARDS AND REQUIREMENTS. BEST MANAGEMENT PRACTICES ARE TO BE FOLLOWED.
- 3. WATER MAINS AND ALL WATER SERVICE LINES SHALL HAVE A MINIMUM OF 5 FEET OF COVER FROM FINISH GRADE TO TOP OF PIPE.
- 4. THE MINIMUM VERTICAL SEPARATION BETWEEN WATER MAINS AND SEWER MAINS SHALL BE 18" MEASURED FROM THE OUTSIDE OF THE PIPES AT THE POINT OF CROSSING. THE MINIMUM HORIZONTAL SEPARATION BETWEEN WATER MAINS AND SEWER MAINS SHALL BE 10 FEET MEASURED FROM THE OUTSIDE OF THE PIPES. ONE FULL LENGTH OF WATER MAIN SHALL BE CENTERED UNDER OR OVER THE SEWER SO THAT BOTH JOINTS WILL BE AS FAR FROM THE SEWER AS POSSIBLE, WHERE A WATER MAIN CROSSES UNDER A SEWER, ADEQUATE STRUCTURAL SUPPORT (COMPACTED SELECT FILL) SHALL BE PROVIDED FOR THE SEWERS TO PREVENT EXCESSIVE DEFLECTION OF JOINTS AND SETTLING ON AND BREAKING THE WATER MAINS.
- 5. HYDRANT TYPE SHALL BE AS NOTED ON THE PLANS OR AS REQUIRED BY THE CITY OF ALBANY. GUARD VALVES SHALL BE USED AND ALL HYDRANT STUB PIPING SHALL BE MECHANICAL JOINT. FIRE HYDRANT WEEP HOLES (DRAINS) SHALL BE PLUGGED WHEN GROUND WATER IS ENCOUNTERED WITHIN 7 FEET OF THE FINISHED GRADE. ALL PLUGS SHALL BE MECHANICAL METAL PLUGS. ALL HYDRANTS WITH PLUGGED WEEP HOLES SHALL BE APPROPRIATELY TAGGED.
- 6. ALL MECHANICAL JOINTS, FITTINGS (TEES, BENDS, PLUGS), ETC. SHALL BE BACKED WITH 3,000 P.S.I. CONCRETE THRUST BLOCKS OR APPROVED MECHANICAL RESTRAINTS.
- 7. WHERE PIPING IS TO BE PLACED WITHIN FILL AREAS, THE FILL SHALL BE PLACED AND COMPACTED TO AT LEAST 95% MODIFIED PROCTOR PRIOR TO TRENCH EXCAVATION.
- 8. SHUTDOWN OF EXISTING WATER MAINS SHALL BE IN ACCORDANCE WITH THE LOCAL WATER AUTHORITY. THE TOWN OF BETHLEHEM WATER AND SEWER MANAGER MUST BE NOTIFIED IN ADVANCE OF ALL PROPOSED SHUTDOWNS IN ACCORDANCE WITH THEIR DIRECTION. WATER MUST BE TURNED BACK ON AS SOON AS POSSIBLE. ALL ENDS OF WATER MAINS MUST BE PROVIDED WITH ADEQUATE PLUG, BLOCK, AND BLOW-OFF AS INDICATED ON THE PLANS.
- 5. WATER SERVICE LINES SHALL BE SEPARATED AT LEAST 10 FEET, MEASURED FROM OUTSIDE OF THE PIPES, FROM SEWER MAINS AND SEPTIC SYSTEMS.
- 6. BACKFLOW PREVENTION SHALL BE PROVIDED IN BUILDING (SEE BUILDING PLANS).
- 7. BACKFLOW PREVENTION APPLICATION MUST BE SUBMITTED TO AND APPROVED BY THE SUPPLIER WHO WILL FORWARD THE PLANS TO THE NYS DEPARTMENT OF HEALTH FOR THEIR APPROVAL. THE APPROVAL PROCESS MUST BE COMPLETED PRIOR TO INSTALLATION. THE APPROVAL PROCESS SHOULD BE STARTED EARLY TO AVOID UNNECESSARY DELAYS OR CONFLICTS WITH OTHER HEALTH DEPARTMENT APPROVALS.

### WATER SYSTEM TESTS:

- 1. SOIL TEST. THE CONTRACTOR SHALL PROVIDE A SOIL TEST EVALUATION TO DETERMINE THE NEED FOR POLYETHYLENE ENCASEMENT PER ANSI/AWWS C105/AZ1.5-82 PRIOR TO WATER MAIN INSTALLATION. SOIL TESTING SHALL BE CONDUCTED BY AN APPROVED SOIL TESTING LABORATORY IN ACCORDANCE WITH LOCAL WATER AUTHORITY STANDARDS.
- 2. WATER PIPING SHALL BE FLUSHED AND TESTED IN CONFORMANCE WITH THE LATEST REVISION OF ANSI/AWWA C600 STANDARD FOR DUCTILE IRON PIPE, C605 FOR PVC PIPE, OR EQUIVALENT OF C600 AND/OR C605 FOR PE PIPE.
- 3. THE PROPOSED WORKS MUST CONFORM TO THE LATEST REVISION OF ANSI/AWWA C651 STANDARD, TABLET METHOD EXCEPTED. FOLLOWING FLUSHING AND TESTING, THE ENGINEER SHALL OVERSEE COLLECTION OF AN APPROPRIATE NUMBER OF BACTERIOLOGICAL SAMPLES FOR THE TOTAL AND FECAL COLIFORM AND FOR STANDARD BACTERIAL PLATE COUNT AFTER THE FIELD FREE CHLORINE RESIDUAL IS LESS THAN 1.5 PPM AND THE SAMPLING POINTS HAVE BEEN DECONTAMINATED. PRIOR TO SAMPLING, THE ENGINEER SHALL COORDINATE THE APPROPRIATE NUMBER AND LOCATION OF SAMPLES TO BE COLLECTED WITH THE ALBANY COUNTY HEALTH DEPARTMENT.
- 4. THE COMPLETED WORKS SHALL BE VERIFIED WITH ALBANY COUNTY HEALTH DEPARTMENT. PRIOR TO ISSUANCE, A NYS-LICENCED PROFESSIONAL ENGINEER MUST SUBMIT CERTIFICATION TO THE HEALTH DEPARTMENT THAT: THEY OR THEIR DESIGNATED REPRESENTATIVE WITNESSED THAT CONSTRUCTION WAS IN CONFORMANCE WITH THE PLANS AS APPROVED; FLUSHING, TESTING, AND DISINFECTION PROCEDURES NOTED HEREIN HAD BEEN PROPERLY PERFORMED AND, MICROBACTERIAL SAMPLE RESULTS FROM THE COMPLETED WORKS WERE ACCEPTABLE. COPIES OF THE OFFICIAL LABORATORY RESULTS ARE TO BE INCLUDED WITH THE CERTIFICATION.
- 5. FIRE HYDRANTS ARE NOT ACCEPTABLE TESTING/SAMPLING POINTS.
- 6. WATER SERVICE LINES SIZED 4-INCHES OR GREATER SHALL BE:

PRESSURE TESTED IN ACCORDANCE WITH THE LATEST SPECIFICATIONS OF THE LOCAL WATER AUTHORITY. THE PRESSURE TEST SHALL BE WITNESSED BY A REPRESENTATIVE FROM THE LOCAL WATER AUTHORITY.

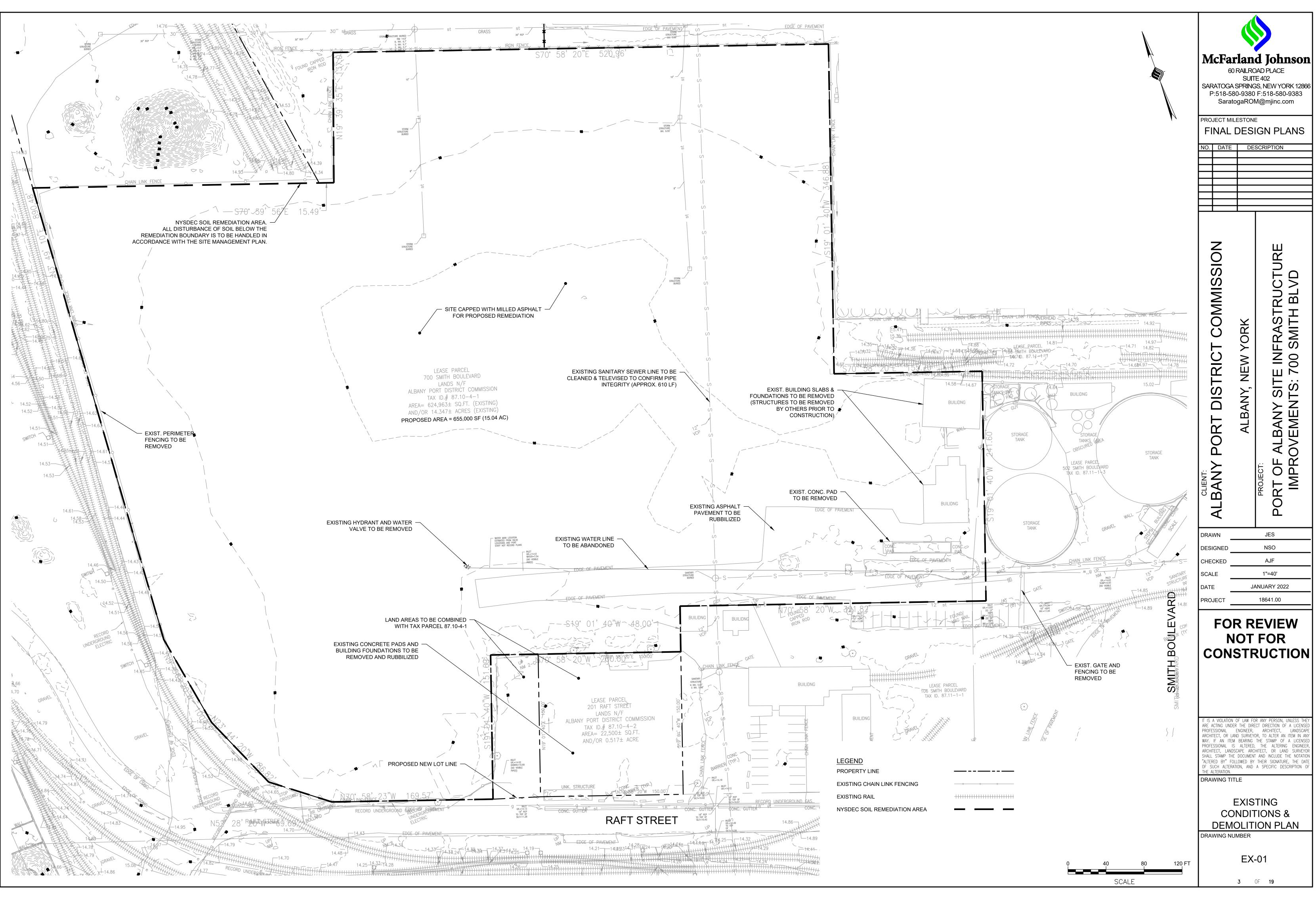
- DISINFECTION BY USING THE CONTINUOUS FEED METHOD ACCORDING TO AWWA STANDARD SPECIFICATIONS. AFTER FLUSHING AND DISINFECTING THE SERVICE LINE, WATER SAMPLES SHALL BE COLLECTED BY THE ALBANY COUNTY HEALTH DEPARTMENT. APPROVAL AND NOTIFICATION BY THE HEALTH DEPARTMENT MUST BE RECEIVED BEFORE THE LATERAL IS PLACED IN SERVICE.

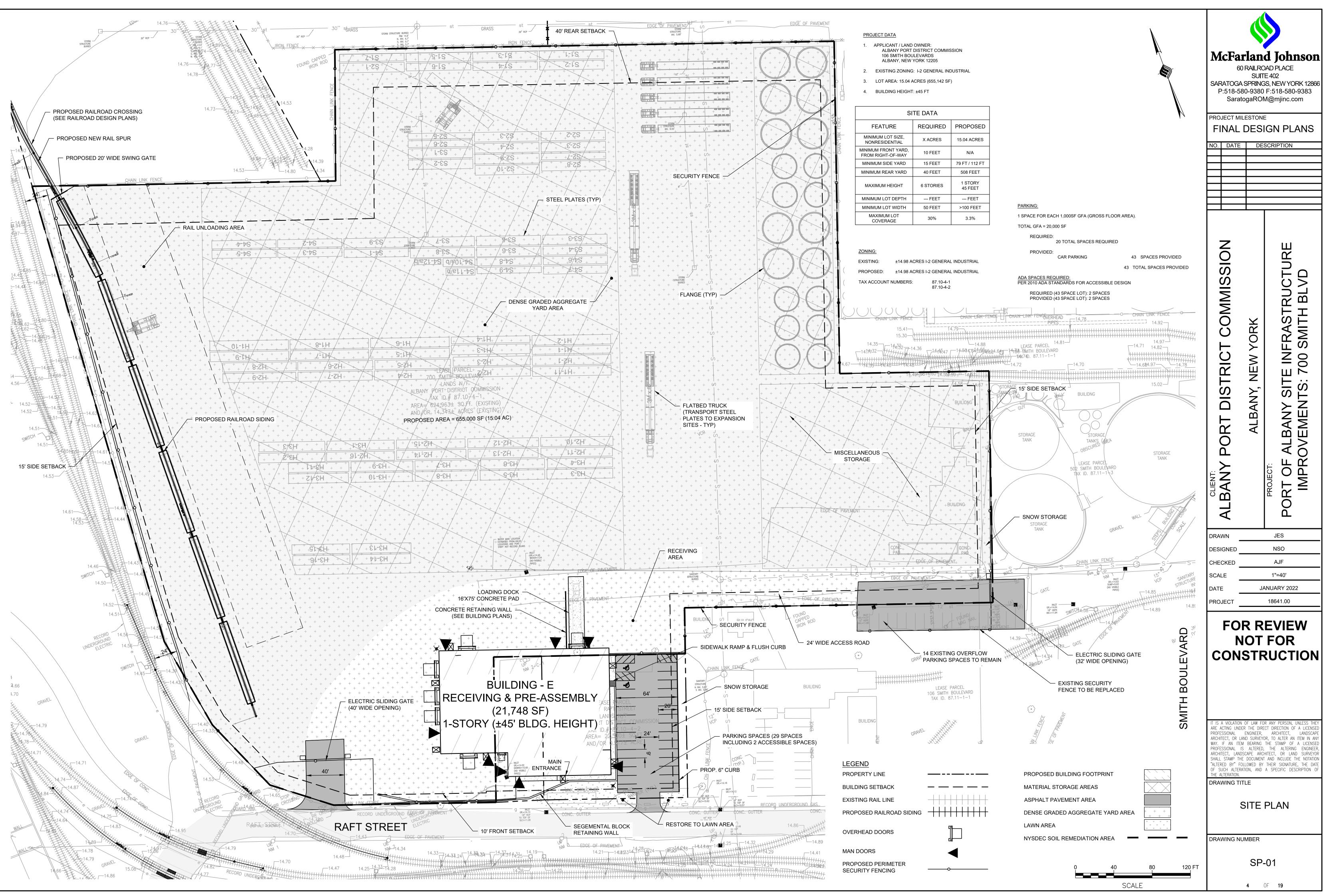
## WATER MAIN MATERIALS:

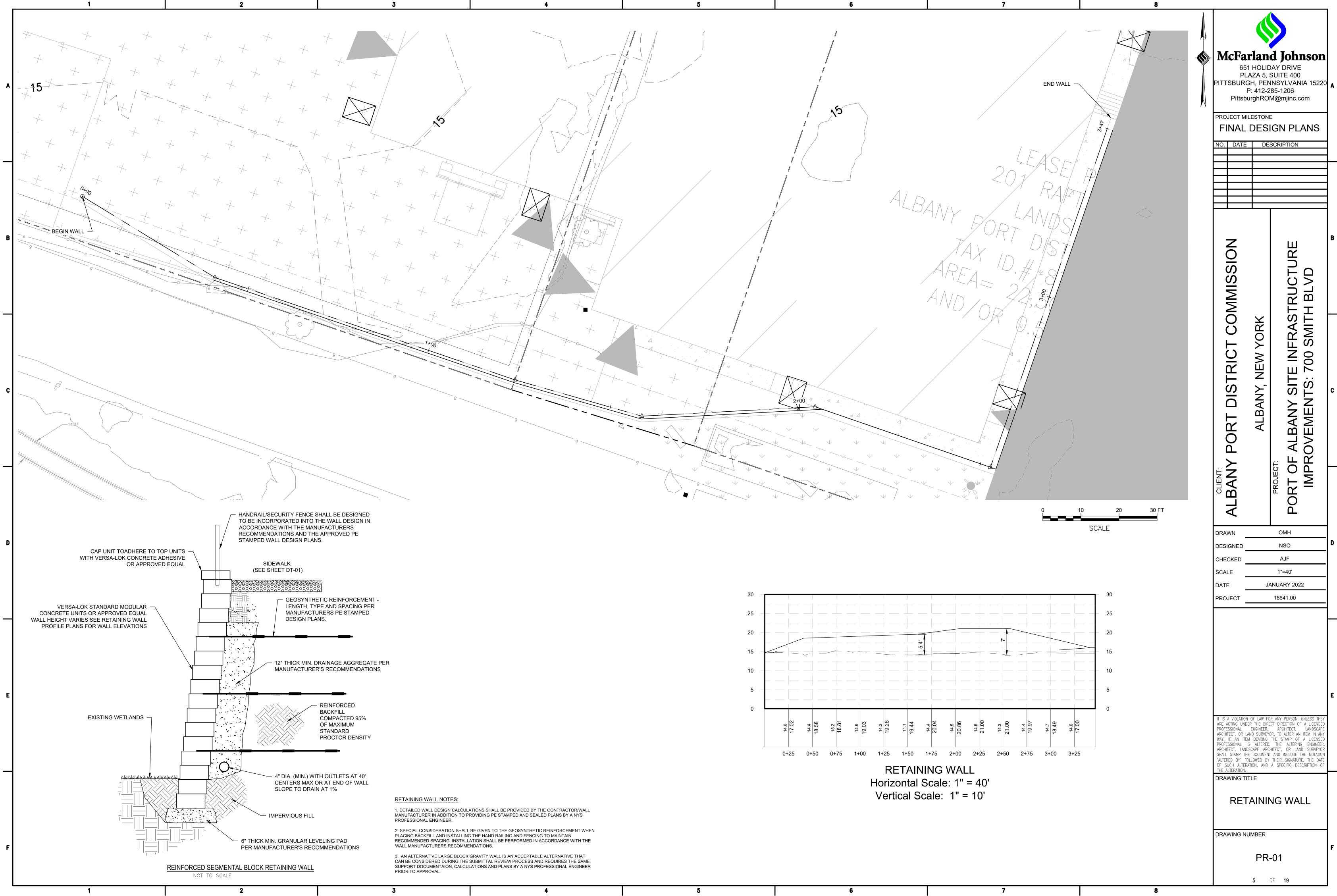
- 1. POLYVINYL CHLORIDE (PVC) PIPE MUST BE WITH INTEGRAL BELL AND SPIGOT JOINTS; CLASS 150, DR 18; CONFORMING WITH THE LATEST REVISION OF ANSI/AWWA C900 (FOR 4"-12" PIPE) OR C905 (FOR LARGER PIPE) STANDARD. MAXIMUM DEFLECTION OF 12" POLYVINYL CHLORIDE (PVC) AWWA C900 WATER LINE IS 0.7' FOR 20' LENGTHS. INSTALLATION TO INCLUDE TRACER TAPE AS PER MANUFACTURER'S INSTRUCTIONS.
- 2. CEMENT-LINED DUCTILE-IRON (DI) PIPE MUST BE CLASS 52 MINIMUM CONFORMING WITH THE LATEST REVISION OF ANSI/AWWA C151 STANDARD. IF REQUIRED BY WATER SUPPLIER THE PIPE SHALL BE ENCASED WITH A MINIMUM 8 MIL. POLYETHYLENE WRAP AS PER LATEST REVISION OF ANSI/AWWA C105 STANDARD.
- 3. POLYETHYLENE (PE) PRESSURE PIPE MUST BE PE 3408 MATERIAL MINIMUM. CONFORMING TO THE LATEST REVISION OF AWWA C901 AND C906.

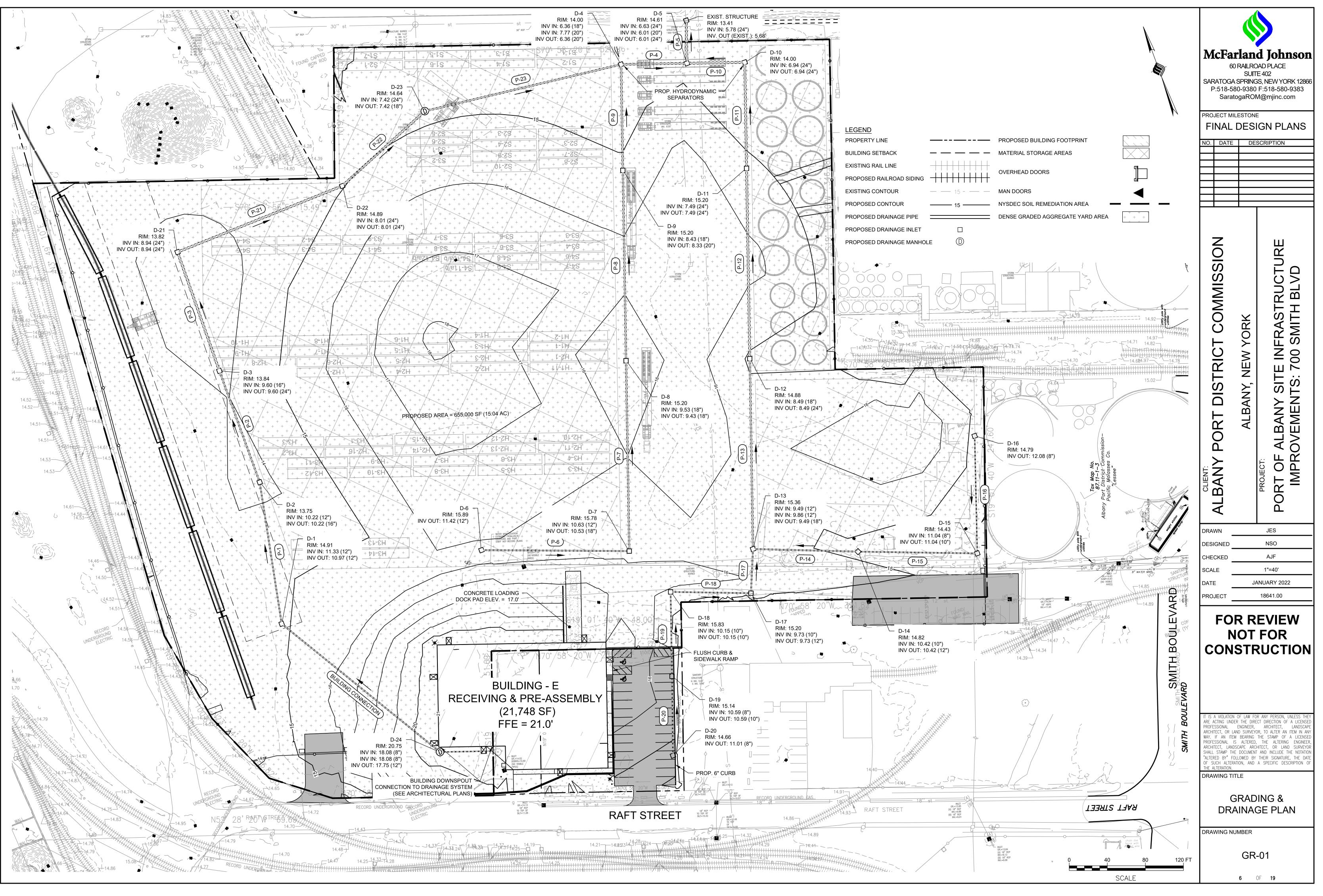
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McFarland Johnson										
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SaratogaROM@mjinc.com PROJECT MILESTONE										
	FINAL DESIGN PLANS									
ALBANY PORT DISTRICT COMMISSION	ALBANY, NEW YORK	PROJECT: PORT OF ALBANY SITE INFRASTRUCTURE IMPROVEMENTS: 700 SMITH BLVD								
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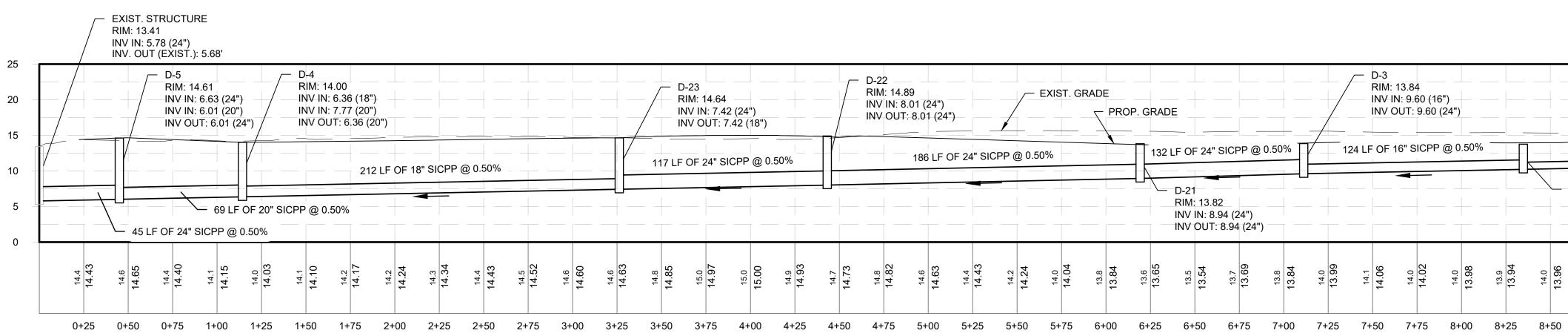


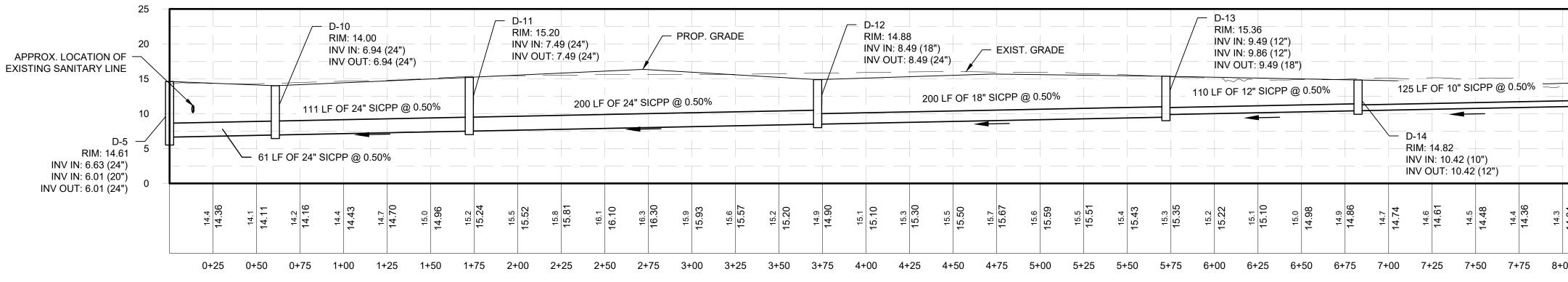


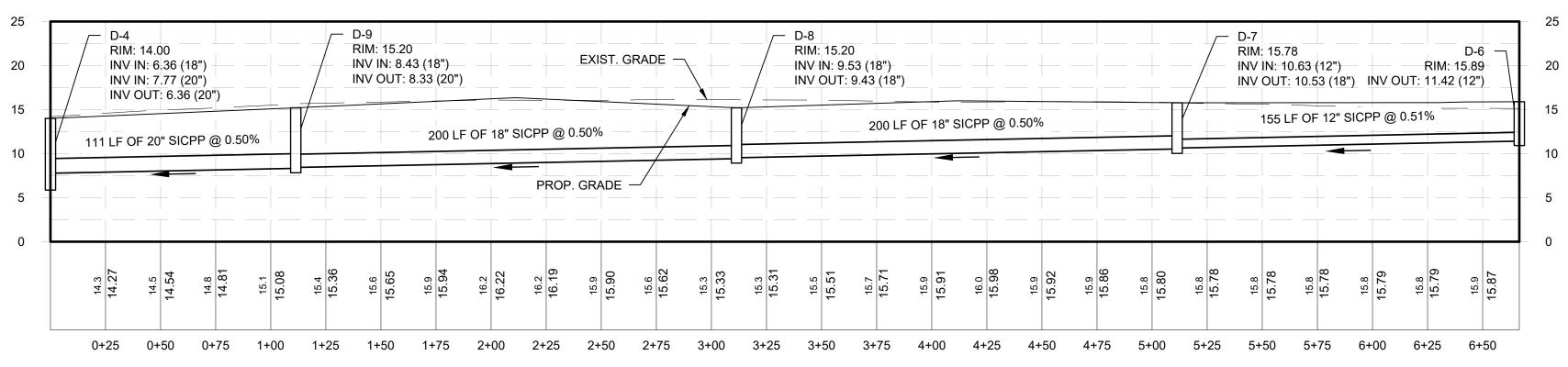




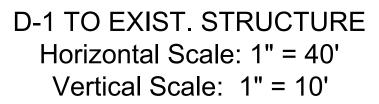
.00 ALBANY PORT EXPANSION/DRAW/DRAWINGS/SHEET FILES - 700 SMITH BL/D/18641.00-GRAD-BLDG-E.DW



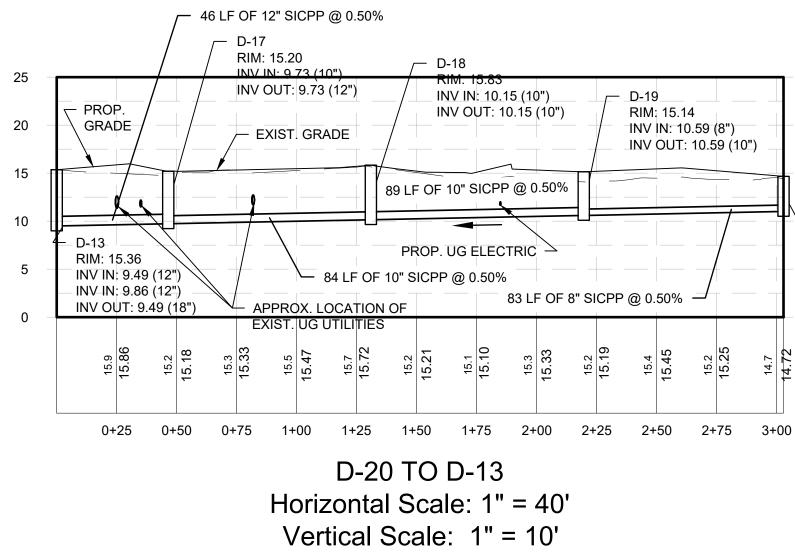




D-6 TO D-4 Horizontal Scale: 1" = 40' Vertical Scale: 1" = 10'

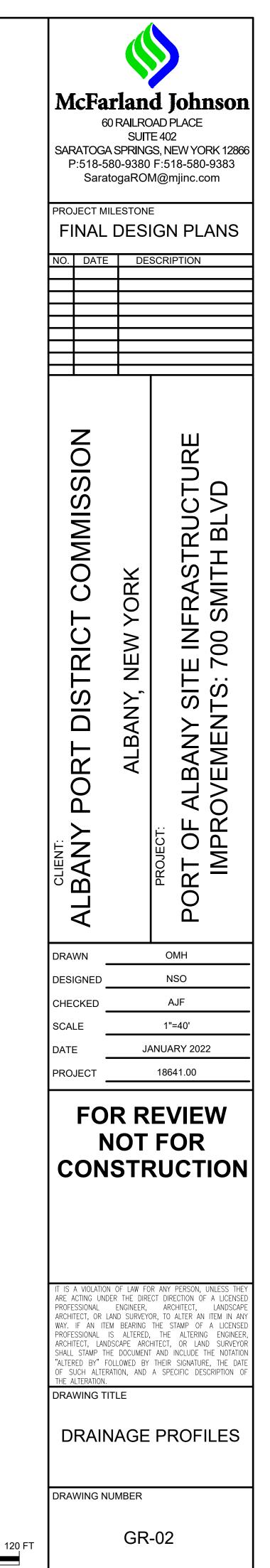


D-16 TO D-5 Horizontal Scale: 1" = 40' Vertical Scale: 1" = 10'



		_	INV IN:	RIM: <sup>-</sup> 11.33	(12")		 		20							
				10.97					15							
1	51 LF C	)F 12"	SICPP	@ 0.5	0%				10							
	13.75 N: 10.22 DUT: 10			       					5							
14.2	14.19	14.5 14.48	14.8	14.77	14.8 14.81	14.9	14.86		Ū							
8+	75	9+00	9+	25	9+50	9-	+75									
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·				RIM	D-16 : 14.79	)\	$\sim$		20							
	1	23 I F (		UT: 12. SICPP (		<u> </u>			15							
┥┝							_		10							
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00	8+25	8+	50	8+75	9+(	00	9+2	25								
0.50%		D-18 <del>RIM.</del>	15.83										25			
")		INV IN	N: 10.1	5 (10") ).15 (10	)")			; 15.1		0")	_		20			
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3	39 LF C	0F 10" \$	SICPP	@ 0.50	)% [											
	PRO	P. UG	ELECT							/			10	D-20		
F OF 1	0" SICI	PP @ (		33 LF C	)F 8" S	SICPP	@ 0.	.50%			- +	_	5	RIM: 14	4.66 JT: 11.0	1 (8")
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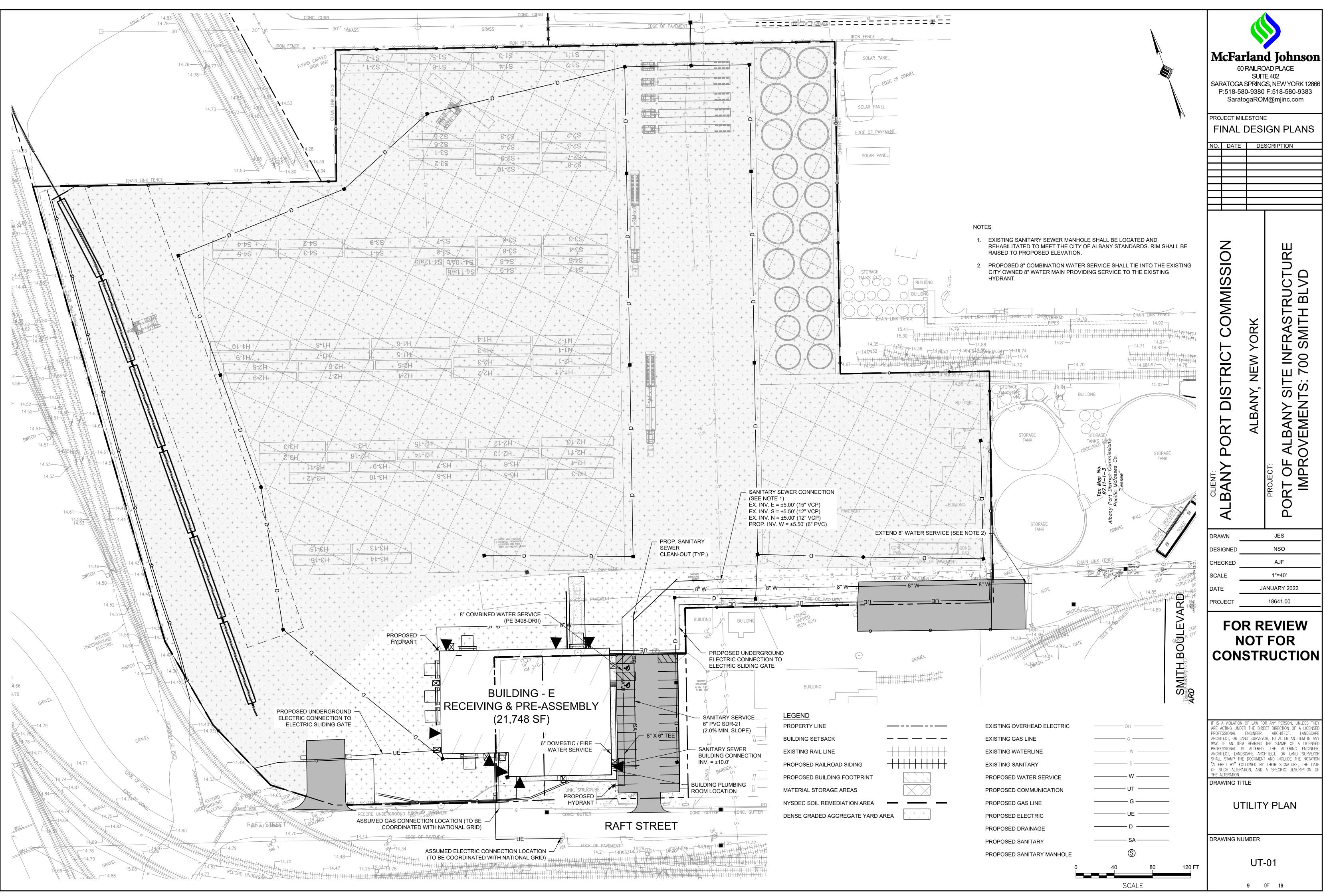
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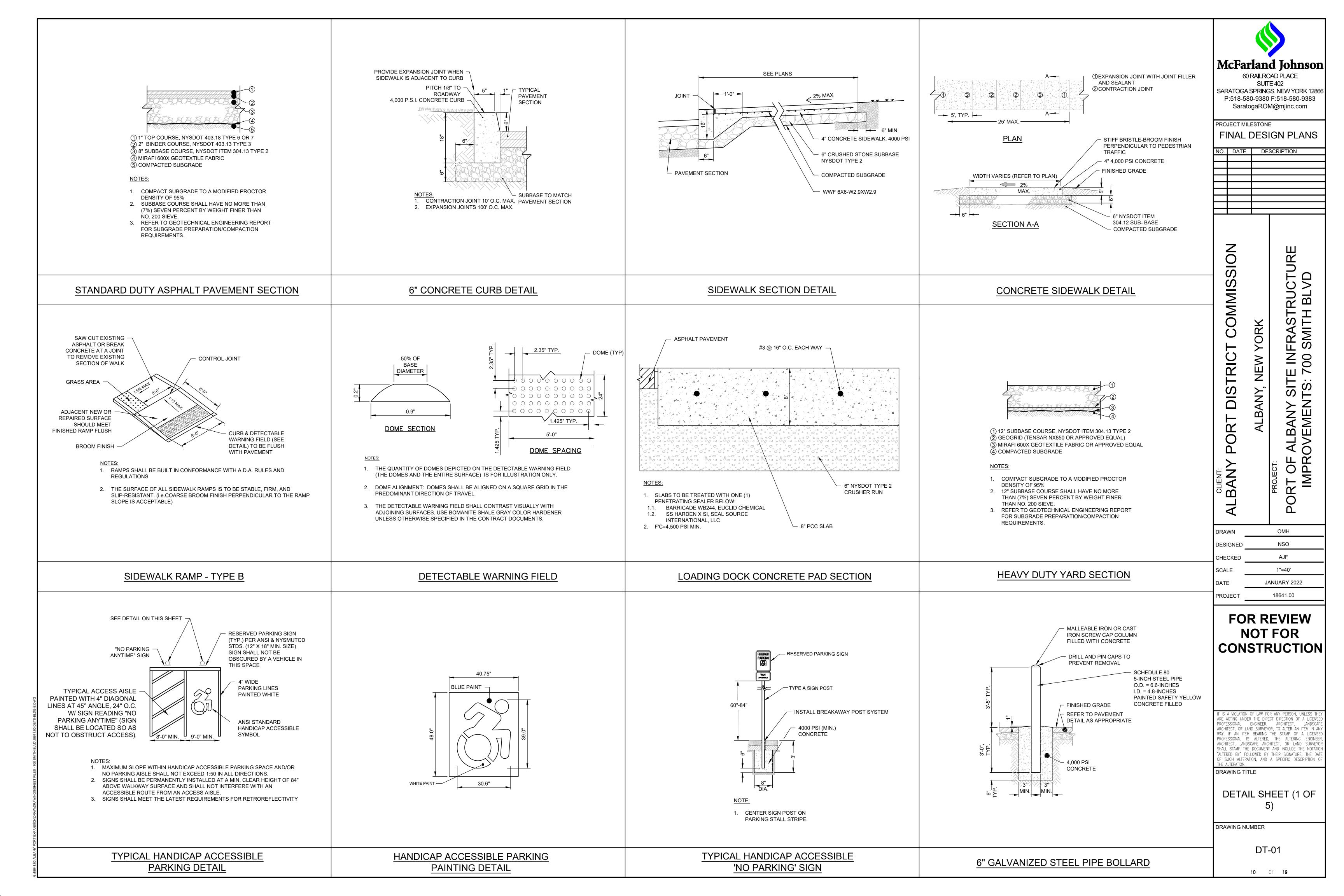
STRUCTURE TABLE											
STRUCTURE	RIM	INV(S) IN	VV(S) IN INV OUT TYPE NORTHING E								
D-1	14.91	11.33	10.97	CATCH BASIN	1381497.58	690424.7					
D-2	13.75	10.22	10.22	CATCH BASIN	1381645.23	690453.8					
D-3	13.84	9.60	9.60	CATCH BASIN	1381769.69	690454.1					
D-4	14.00	6.36 7.77	6.36	CATCH BASIN	1381927.86	690960.7					
D-5	14.61	6.63 6.01	6.01	CATCH BASIN	1381905.27	691026.2					
D-6	15.89		11.42	CATCH BASIN	1381498.50	690648.4					
D-7	15.78	10.63	10.53	CATCH BASIN	1381444.43	690794.0					
D-8	15.20	9.53	9.43	CATCH BASIN	1381633.51	690859.2					
D-9	15.20	8.43	8.33	CATCH BASIN	1381822.60	690924.4					
D-10	14.00	6.94	6.94	CATCH BASIN	1381885.47	691083.6					
D-11	15.20	7.49	7.49	CATCH BASIN	1381780.19	691047.3					
D-12	14.88	8.49	8.49	CATCH BASIN	1381591.12	690982.1					
D-13	15.36	9.49 9.86	9.49	CATCH BASIN	1381402.05	690916.9					
D-14	14.82	10.42	10.42	CATCH BASIN	1381361.71	691019.6					
D-15	14.43	11.04	11.04	CATCH BASIN	1381317.13	691136.7					
D-16	14.79		12.08	CATCH BASIN	1381434.04	691176.3					
D-17	15.20	9.73	9.73	CATCH BASIN	1381359.17	690899.0					
D-18	15.83	10.15	10.15	CATCH BASIN	1381389.29	690820.1					
D-19	15.14	10.59	10.59	CATCH BASIN	1381305.44	690791.2					
D-20	14.66		11.01	CATCH BASIN	1381226.89	690763.6					
D-21	13.82	8.94	8.94	CATCH BASIN	1381901.93	690455.4					
D-22	14.89	8.01	8.01	CATCH BASIN	1381908.07	690641.8					
D-23	14.64	7.42	7.42	DRAINAGE MANHOLE	1381952.26	690750.1					
D-24	20.75	18.08 18.08	17.75	DRAINAGE MANHOLE	1381314.12	690535.0					
EXIST. STRUCTURE	13.41	5.78		EXISTING CATCH BASIN	1381947.83	691040.9					

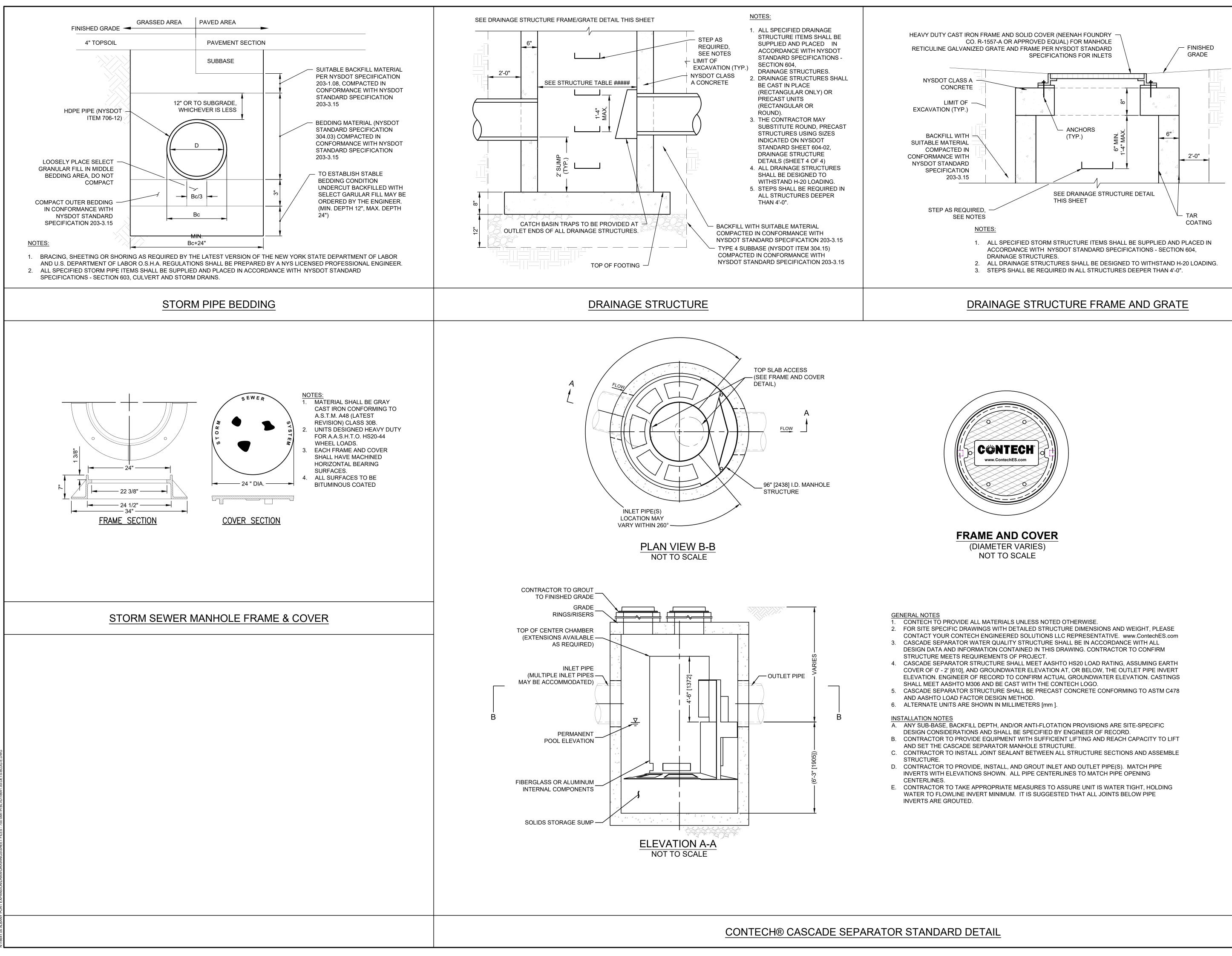
PIPE TABLE											
	1					I					
NAME	SIZE	LENGTH	SLOPE	MATERIAL	TO STRC						
BUILDING CONNECTION	12"	214.05'	3.00%	SICPP		D-1					
P-1	12"	150.51'	0.50%	SICPP	D-2	D-1					
P-2	16"	124.46'	0.50%	SICPP	D-3	D-2					
P-3	24"	132.25'	0.50%	SICPP	D-3	D-21					
P-4	20"	69.26'	0.50%	SICPP	D-4	D-5					
P-5	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					

	¢										
6 SARATOG/	McFarland Johnson 60 RAILROAD PLACE SUITE 402 SARATOGA SPRINGS, NEW YORK 12866 P:518-580-9380 F:518-580-9383										
P:518-580-9380 F:518-580-9383 SaratogaROM@mjinc.com PROJECT MILESTONE FINAL DESIGN PLANS											
NO. DATE DESCRIPTION											
ALBANY PORT DISTRICT COMMISSION	ALBANY, NEW YORK	■ PORT OF ALBANY SITE INFRASTRUCTURE IMPROVEMENTS: 700 SMITH BLVD									
DESIGNED CHECKED		NSO AJF									
SCALE DATE	J.	1"=40' ANUARY 2022									
PROJECT		18641.00									
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6 SARATOGA P:518-5 Sara PROJECT M	0 RAILRO SUIT A SPRINO 80-9380 togaRO ILESTON	A Johnson DAD PLACE TE 402 SS, NEW YORK 12866 D F:518-580-9383 M@mjinc.com E IGN PLANS SCRIPTION								
ALBANY PORT DISTRICT COMMISSION	ALBANY, NEW YORK	PROJECT: PORT OF ALBANY SITE INFRASTRUCTURE IMPROVEMENTS: 700 SMITH BLVD								
DRAWN		OMH								
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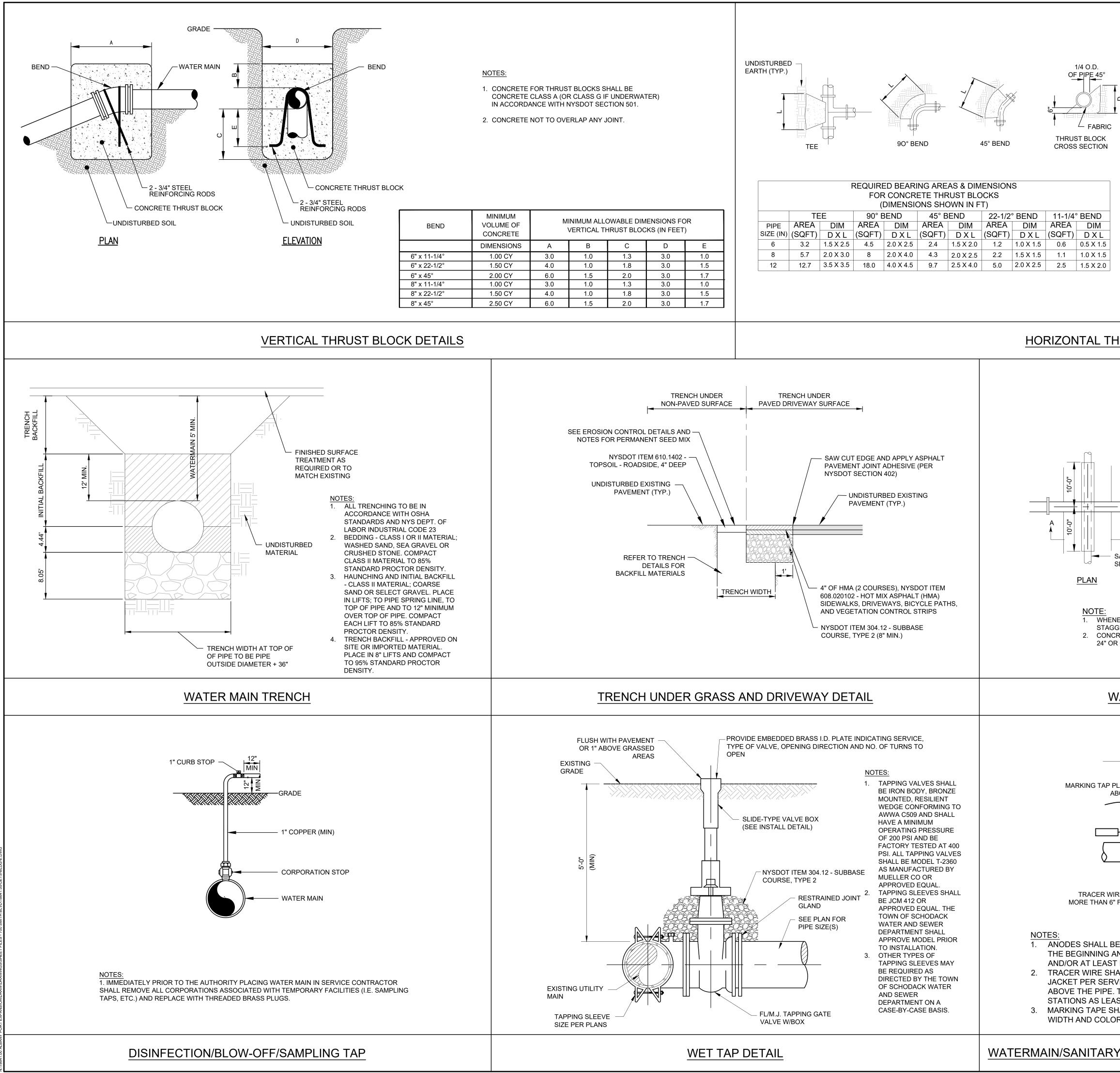
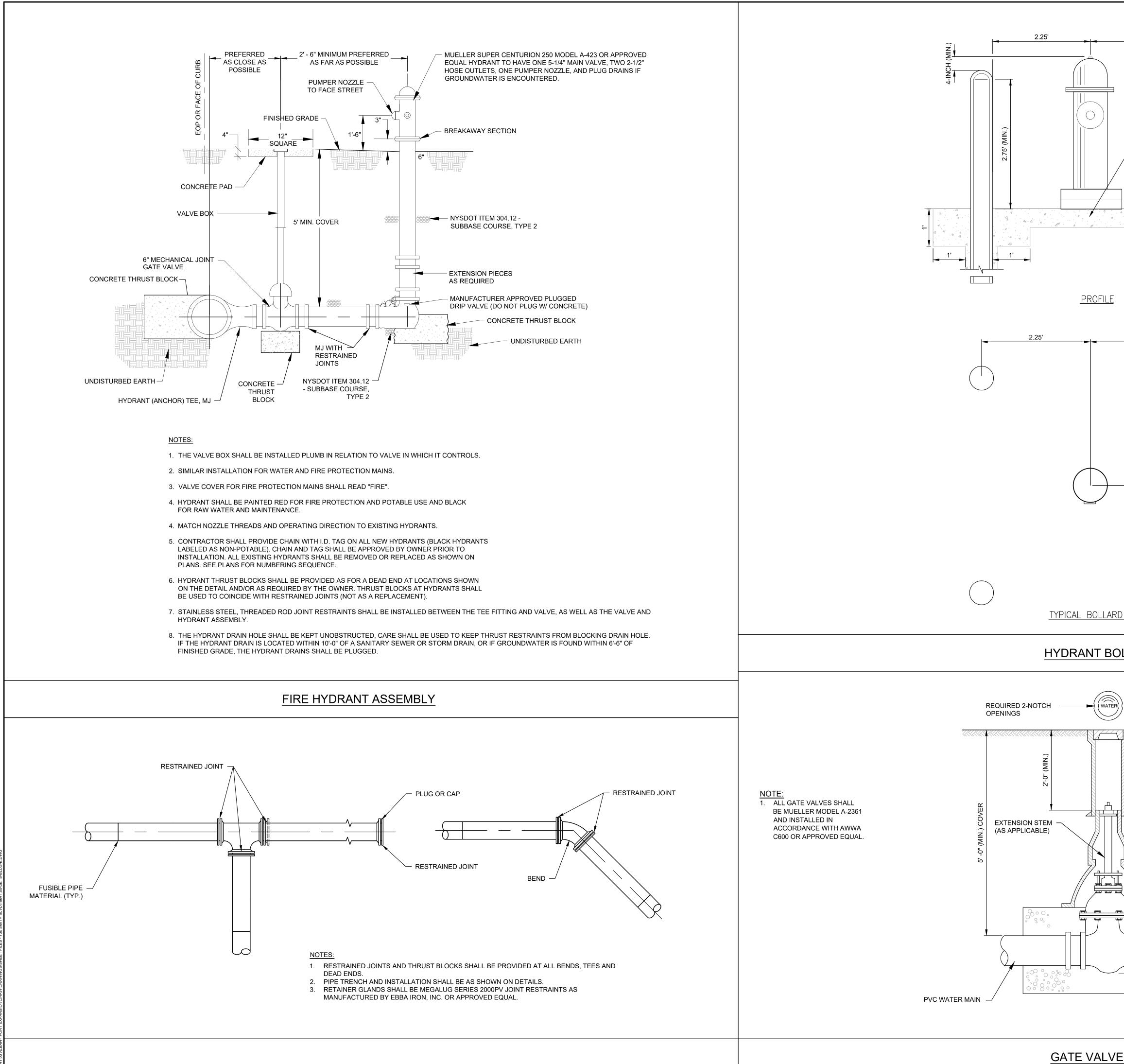
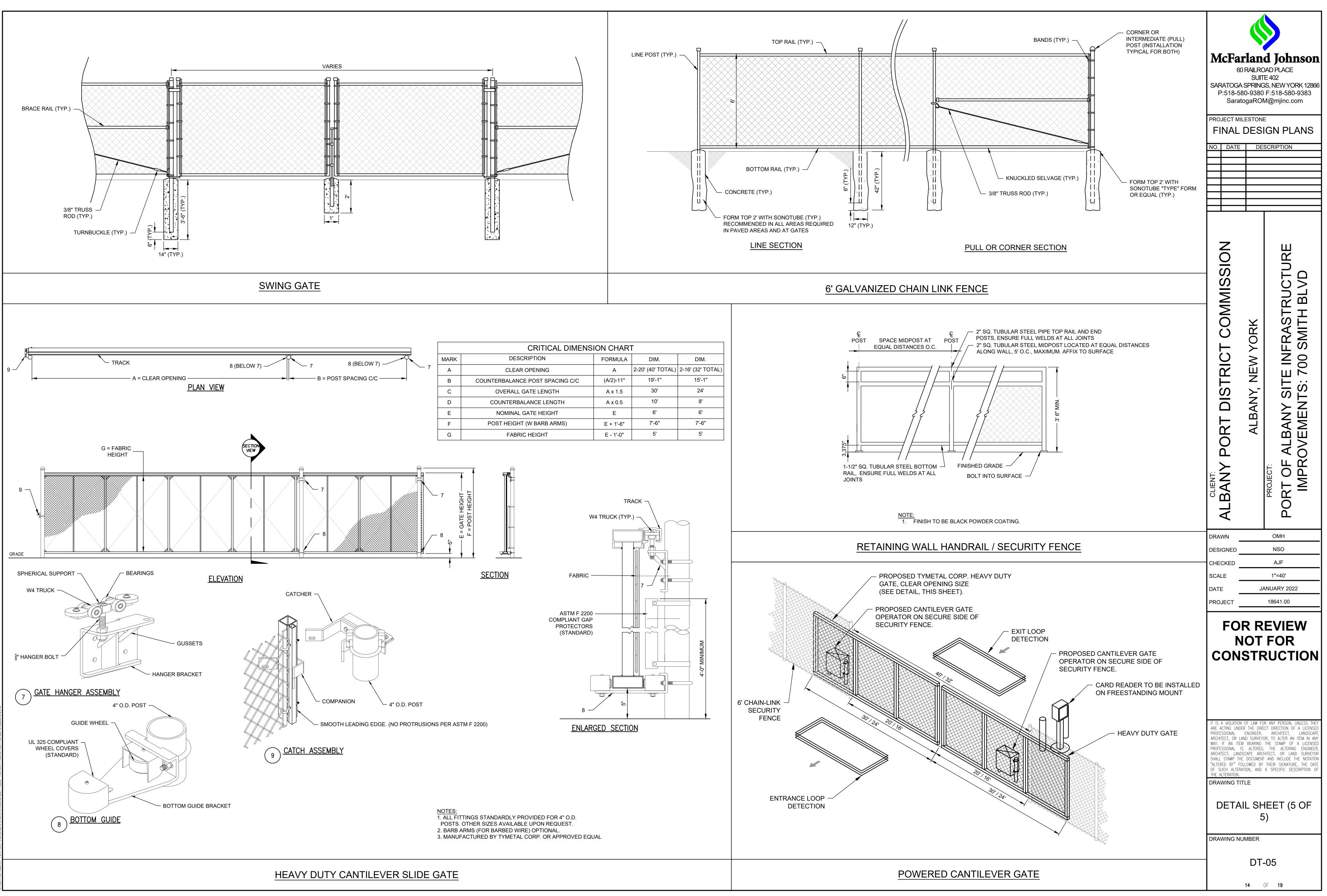
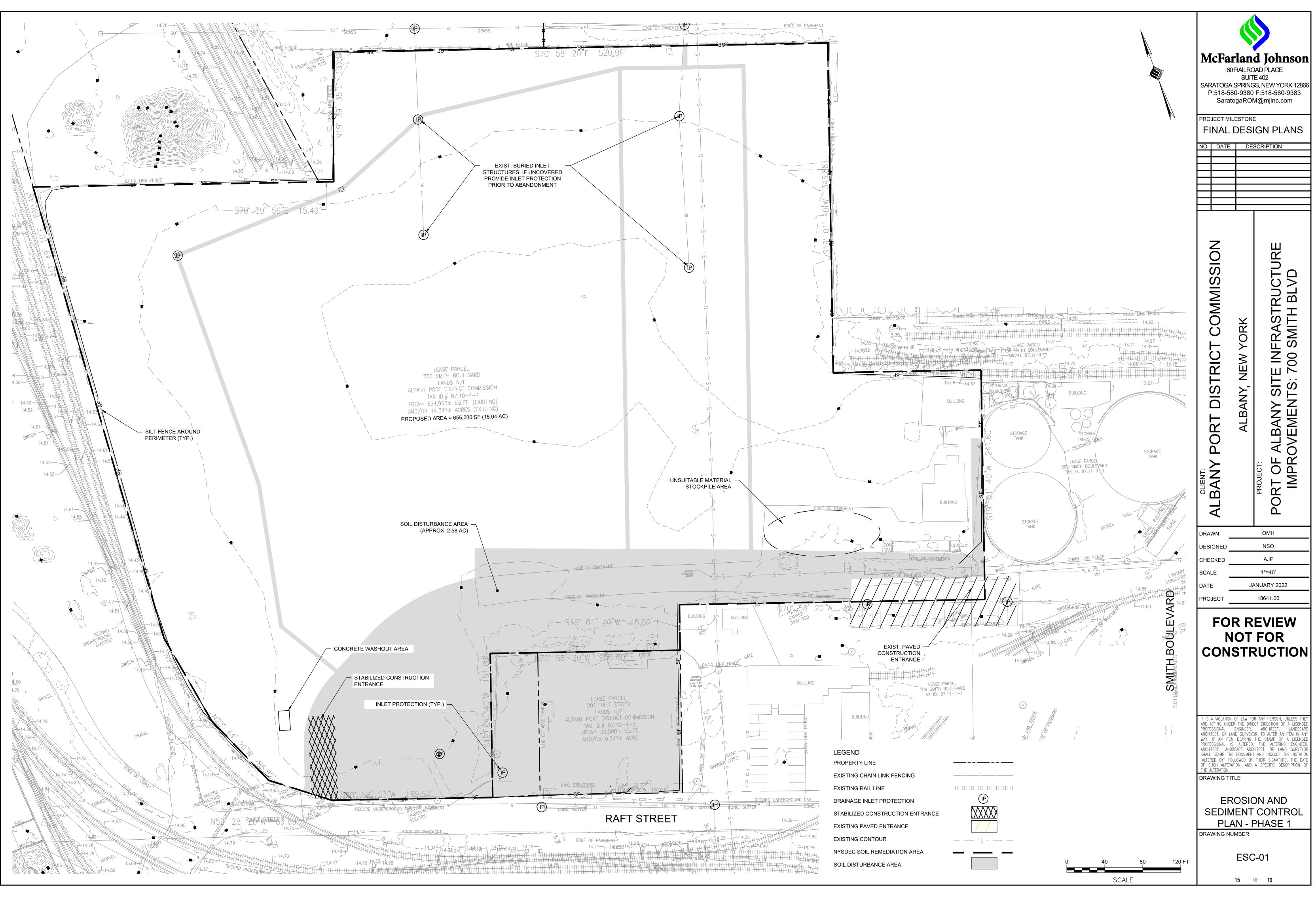


TABLE FOR THE APPROPRIATE PIPE SIZE AND FITTING BY THE CORRECTION FACTORS LISTED BELOW.	McFarland Johnson 60 RAILROAD PLACE SUITE 402 SARATOGA SPRINGS, NEW YORK 1286 P:518-580-9380 F:518-580-9383 SaratogaROM@mjinc.com PROJECT MILESTONE FINAL DESIGN PLANS NO. DATE DESCRIPTION				
EVER POSSIBLE WATER MAIN PIPE JOINTS SHALL BE GERED SO AS NOT TO BE LOCATED AT THE POINT OF CROSSING. RETE ENCASEMENT NOT REQUIRED IF VERTICAL SEPARATION IS & GREATER	CLIENT: ALBANY PORT DISTRICT COMMISSION CHECKED	ALBANY, NEW YORK	PROJECT: PORT OF ALBANY SITE INFRASTRUCTURE IMPROVEMENTS: 700 SMITH BLVD		
ATER MAIN/SEWER CROSSING DETAIL	IT IS A VIOLATI ARE ACTING UI PROFESSIONAL ARCHITECT, OR WAY. IF AN I PROFESSIONAL ARCHITECT, LA SHALL STAMP "ALTERED BY" OF SUCH ALT THE ALTERATION DRAWING	ON OF LAW FO NOT JSTF	1"=40' NUARY 2022 18641.00 EVIEW FOR FOR SOCION SOCION SOCION SOCION ACCITION SOCION S		
ALL BE INSTALLED 18" ABOVE PVC PIPE. MARKER TAPE SHALL BE AT LEAST 3" IN R CODED PER SERVICE.	DRAWING	DT-	-03 DF 19		

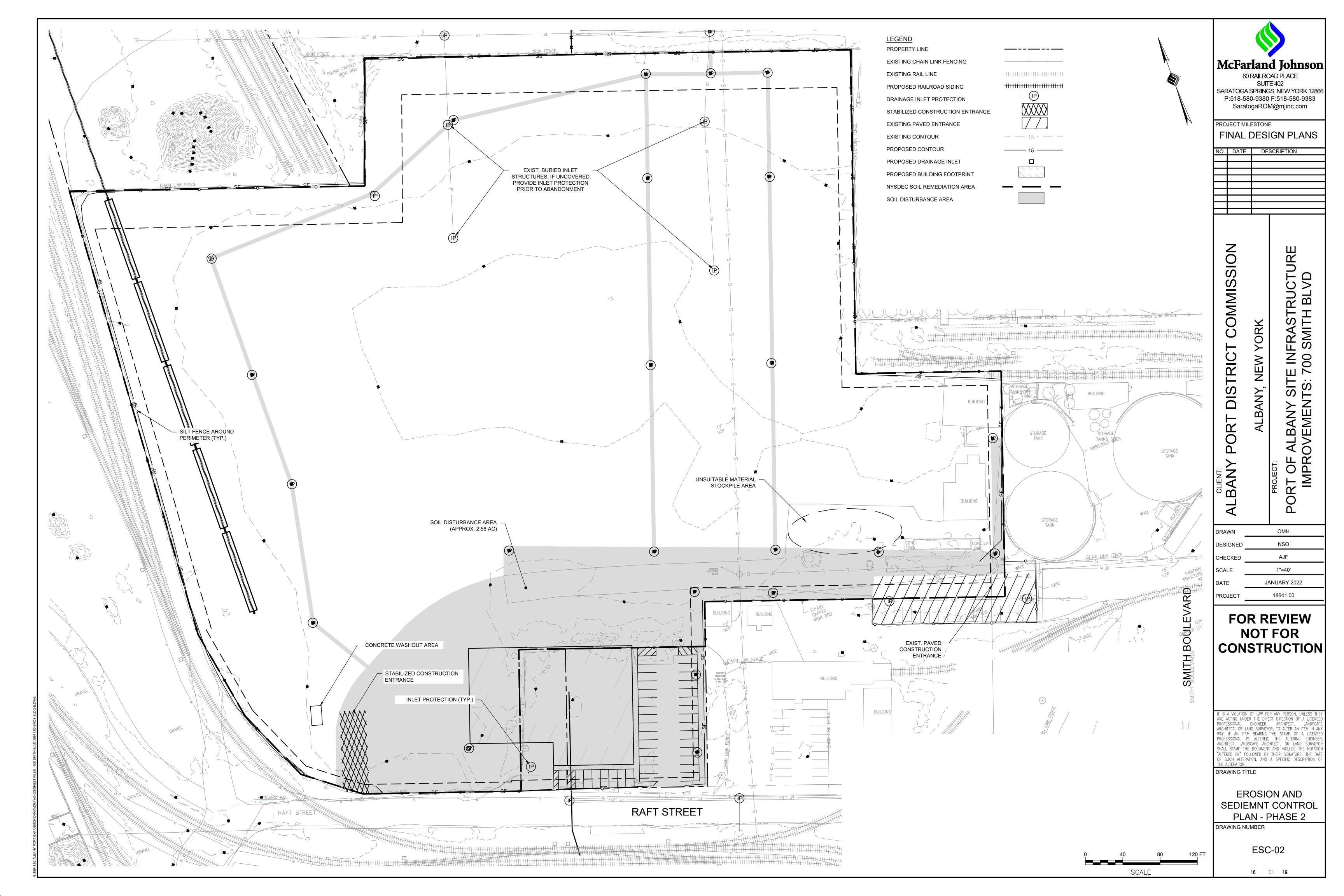


2.25' MALLEABLE IRON OR CAST IRON SCREW CAP COLUMN FILLED WITH CONCRETE DRILL AND PIN CAPS TO PREVENT REMOVAL SIDEWALK G-INCH CONCRETE COLLAR G-INCH CONCRETE AROUND FENDERS TO BE 2-FEET SQUARE AND 1-FOOT DEEP EXTRA STRONG 5-INCH STEEL PIPE O.D. = 6.6-INCHES I.D. = 4.8-INCHES WT. 131 LBS SCHEDULE 80 4,000 PSI CONCRETE	MCFarland Johns         60 RAILROAD PLACE         SUITE 402         SARATOGA SPRINGS, NEW YORK 1         P:518-580-9380 F:518-580-938         SaratogaROM@mjinc.com         PROJECT MILESTONE         NO.       DATE         DESCRIPTION					
225 VICINE II VICINE	CLIENT: CLIENT: DLBANY PO	PROJECT: ALBANY, NEW YORK PROJECT: PROJECT: PORT OF ALBANY SITE INFRASTRUCTURE IMPROVEMENTS: 700 SMITH BLVD				
APPROVED GATE BOX TOP SECTION ADJUSTABLE CAST IRON SLIDE TYPE VALVE BOX APPROVED GATE BOX BOTTOM SECTION GATE VALVE OPERATION SHALL MATCH EXISTING VALVES NYSDOT ITEM 304.12- SUBBASE COURSE, TYPE 2	IT IS A VIOLATION OF I ARE ACTING UNDER TH PROFESSIONAL ENG ARCHITECT, OR LAND S WAY. IF AN ITEM BE PROFESSIONAL IS AI ARCHITECT, LANDSCAPE SHALL STAMP THE DOO "ALTERED BY" FOLLOW OF SUCH ALTERATION, THE ALTERATION. DRAWING TITLE DETAIL DRAWING NUMB					
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41.00 ALBANY PORT EXPANSIONIDRAWIDRAWINGSISHEET FILES - 700 SMITH BLVD\18641.00-EROS-BLDG-E.DW



EROSION AND SEDIMENT CONTROL PLAN NOTES:

- 1. THE EROSION AND SEDIMENT CONTROL PLAN IS INTENDED TO REPRESENT A CONCEPTUAL APPROACH TO EROSION AND SEDIMENT CONTROL. IT IS FURTHER INTENDED THAT THE OWNER AND CONTRACTOR SHALL IMPLEMENT PRACTICES, AS REQUIRED, TO CONTROL EROSION AND SEDIMENT IN ACCORDANCE WITH THE NEW YORK STANDARDS AND SPECIFICATIONS FOR EROSION AND SEDIMENT CONTROL AND SWPPP.
- 2. INSTALL SILT FENCE, AND ALL OTHER EROSION CONTROL MEASURES AS INDICATED ON THE PLAN PRIOR TO THE START OF ANY EXCAVATION WORK. EROSION CONTROL MEASURES WILL BE IMPLEMENTED IN ACCORDANCE WITH THE NEW YORK STANDARDS AND SPECIFICATIONS FOR EROSION AND SEDIMENT CONTROL, NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION AND THE GOVERNING MUNICIPALITY REQUIREMENTS.
- 3. REMOVE AND STOCKPILE TOPSOIL IN ACCORDANCE WITH THE EROSION AND SEDIMENT CONTROL PLAN. REPLACE TOPSOIL TO A MINIMUM 4" DEPTH. ALL DISTURBED AREAS ARE TO BE HYDROSEEDED IN ACCORDANCE WITH THE EROSION AND SEDIMENT CONTROL PLANS (NOT ANTICIPATED).
- 4. 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 AREAS HAVE BEEN PROPERLY STABILIZED.
- CONTRACTOR SHALL MAINTAIN A STOCK PILE OF EROSION AND SEDIMENT CONTROL MEASURES ON SITE AS INDICATED ON THE PLAN.
- 6. NO PETROLEUM PRODUCTS ARE TO BE STORED ON SITE WITHOUT PRIOR APPROVAL OF THE LOCAL STORMWATER INSPECTOR. ANY PETROLEUM ON SITE WILL COMPLY WITH ALL LOCAL, STATE, AND FEDERAL GOVERNMENT REGULATIONS.
- 7. WRAP YARD INLET GRATES IN FILTER FABRIC PROGRESSIVELY AS STORM SEWER AND YARD INLETS ARE INSTALLED.
- 8. ALL EROSION CONTROL MEASURES ARE TO BE REPLACED WHENEVER THEY BECOME CLOGGED OR INOPERABLE AND SHALL BE REPLACED AT A MINIMUM OF EVERY 3 MONTHS.
- 9. JUTE MESH WILL BE USED ON SLOPES STEEPER THAN 3:1 AND WHEREVER NECESSARY TO CONTROL EROSION AND SILTATION OF EXISTING DRAINAGE SYSTEMS AS ORDERED BY THE ENGINEER (NOT ANTICIPATED).
- 10. ALL DISTURBED AREAS SHALL BE FINISH GRADED TO PROMOTE VEGETATION ON ALL EXPOSED AREAS AS SOON AS PRACTICABLE. STABILIZATION PRACTICES (TEMPORARY/PERMANENT SEEDING, MULCHING, GEOTEXTILES, ETC.) MUST BE IMPLEMENTED WITHIN SEVEN (7) DAYS WHERE CONSTRUCTION ACTIVITIES HAVE TEMPORARILY OR PERMANENTLY CEASED, AND NOT EXPECTED TO RESUME WITHIN FOURTEEN (14) DAYS.
- 11. ALL RIP-RAP OUTLET PROTECTION TO BE CONSTRUCTED PER NYSDEC STANDARDS AND SPECIFICATIONS FOR EROSION AND SEDIMENT CONTROL.
- 12. CONTRACTOR SHALL TAKE THE NECESSARY MEASURES, INCLUDING WATER SPRINKLING, TO PROVIDE DUST CONTROL DURING CONSTRUCTION.
- 13. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE MAINTENANCE OF ALL TEMPORARY AND PERMANENT EROSION CONTROL FEATURES THROUGHOUT THE DURATION OF CONSTRUCTION.
- A. ALL SEDIMENT TRAPPING DEVICES AND INLET PROTECTION DEVICES SHALL BE CLEANED OF ACCUMULATED SILT WHEN STORAGE CAPACITY HAS BEEN REDUCED BY 50% OF THEIR DESIGN CAPACITY.
- B. ALL SEDIMENT SHALL BE REMOVED FROM BEHIND SILT FENCE AND STRAW BALES WHEN IT ACCUMULATES TO A MAXIMUM HEIGHT OF 6".
- AFTER VEGETATION HAS BEEN SUBSTANTIALLY ESTABLISHED, EXCAVATE SWALES OF ACCUMULATED SILT. RE-ESTABLISHED VEGETATION ON DISTURBED AREAS. D. SEDIMENT COLLECTED BY EROSION CONTROL MEASURES SHALL BE DISPOSED OF
- BY SPREADING ON-SITE OR HAULED AWAY IF DETERMINED TO BE UNSUITABLE FOR FILL.
- 14. ALL DISTURBED AREAS SHALL BE STABILIZED, SEEDED AND MULCHED WITHIN 7 DAYS OF CEASED CONSTRUCTION ACTIVITY.
- 15. TOTAL PROJECT DISTURBANCE AREA PER THE NYSDEC SPDES STANDARDS IS 2.58 ACRES.
- 16. ALL AREAS TO REMAIN AS PERVIOUS VEGETATED AREAS SHALL BE RESTORED IN ACCORDANCE WITH THE NYS STORMWATER MANAGEMENT DESIGN MANUAL TABLE 5.3 SOIL RESTORATION REQUIREMENTS.

PERMANENT SEEDING NON-SLOPED AREAS (NOT ANTICIPATED):

- 1. IF SOILS ARE COMPACTED, SCARIFY UPPER TWO INCHES BY BACKBLADING WITH DOZER, RAKING, OR DISKING.
- 2. PLACE TOPSOIL TO A MINIMUM DEPTH OF 4 INCHES.
- 3. SEED PER SCHEDULE SPECIFIED ON LANDSCAPE PLANS.
- 4. FERTILIZE WITH 600 POUNDS PER ACRE OF 10-10-10. LIME TO ACHIEVE A PH OF NOT LESS THAN 5.5 OR GREATER THAN 7.6. IF HYDROSEEDER IS NOT USED, SEED AND FERTILIZER SHOULD BE LIGHTLY RAKED INTO SOIL
- 5. MULCH WITH CLEAN (WEED FREE) STRAW IF SPECIFIED ON PLANS.

EROSION AND SEDIMENT CONTROL SEQUENCE:

STARTING AND CEASING DISTURBANCE OF OVER 5 ACRES AT ONE TIME.

PHASE I:

- INSTALL CONSTRUCTION ENTRANCE
- INSTALLATION OF SILT FENCE
- LOCATIONS

PHASE II:

- CONSTRUCT THE PROPOSED BUILDING
- INSTALL THE PROPOSED RAIL SIDING
- INSTALL THE PROPOSED CLOSED DRAINAGE SYSTEM

TEMPORARY SEEDING (NOT ANTICIPATED):

- 1. IF SOILS ARE COMPACTED, SCARIFY UPPER TWO INCHES BY BACKBLADING WITH DOZER, RAKING, OR DISKING. FERTILIZE WITH 300 POUNDS PER ACRE OF 10-10-10.
- 2. NOTE: NO FERTILIZER SHOULD BE USED AFTER OCTOBER 1ST IF THERE IS DANGER OF LEACHING INTO WATER RESOURCE.
- 3. IMMEDIATELY SEED PER SEED SCHEDULE SPECIFIED ON LANDSCAPE PLAN.
- 4. APPLY STRAW MULCH AS NECESSARY TO HOLD IN MOISTURE, PROTECT SOIL FROM EROSION, HOLD SEED IN PLACE, AND KEEP SOIL TEMPERATURES MORE CONSTANT; 2 TONS PER ACRE.

SOIL RESTORATION PROCEDURE (NOT ANTICIPATED)

DURING PERIODS OF RELATIVELY LOW TO MODERATE SUBSOIL MOISTURE, THE DISTURBED SUBSOILS ARE RETURNED TO ROUGH GRADE AND THE FOLLOWING SOIL **RESTORATION STEPS APPLIED:** 

- 1. APPLY 3 INCHES OF COMPOST OVER SUBSOIL
- 2. TILL COMPOST INTO SUBSOIL TO A DEPTH OF AT LEAST 12 INCHES USING A CAT-MOUNTED RIPPER, TRACTOR-MOUNTED DISC, OR TILLER, MIXING, AND CIRCULATING AIR AND COMPOST INTO SUBSOILS
- 3. ROCK-PICK UNTIL UPLIFTED STONE/ROCK MATERIALS OF FOUR INCHES AND LARGER SIZE ARE CLEANED OFF THE SITE
- 4. APPLY TOPSOIL TO A DEPTH OF 6 INCHES
- 5. VEGETATE AS REQUIRED BY APPROVED PLAN.

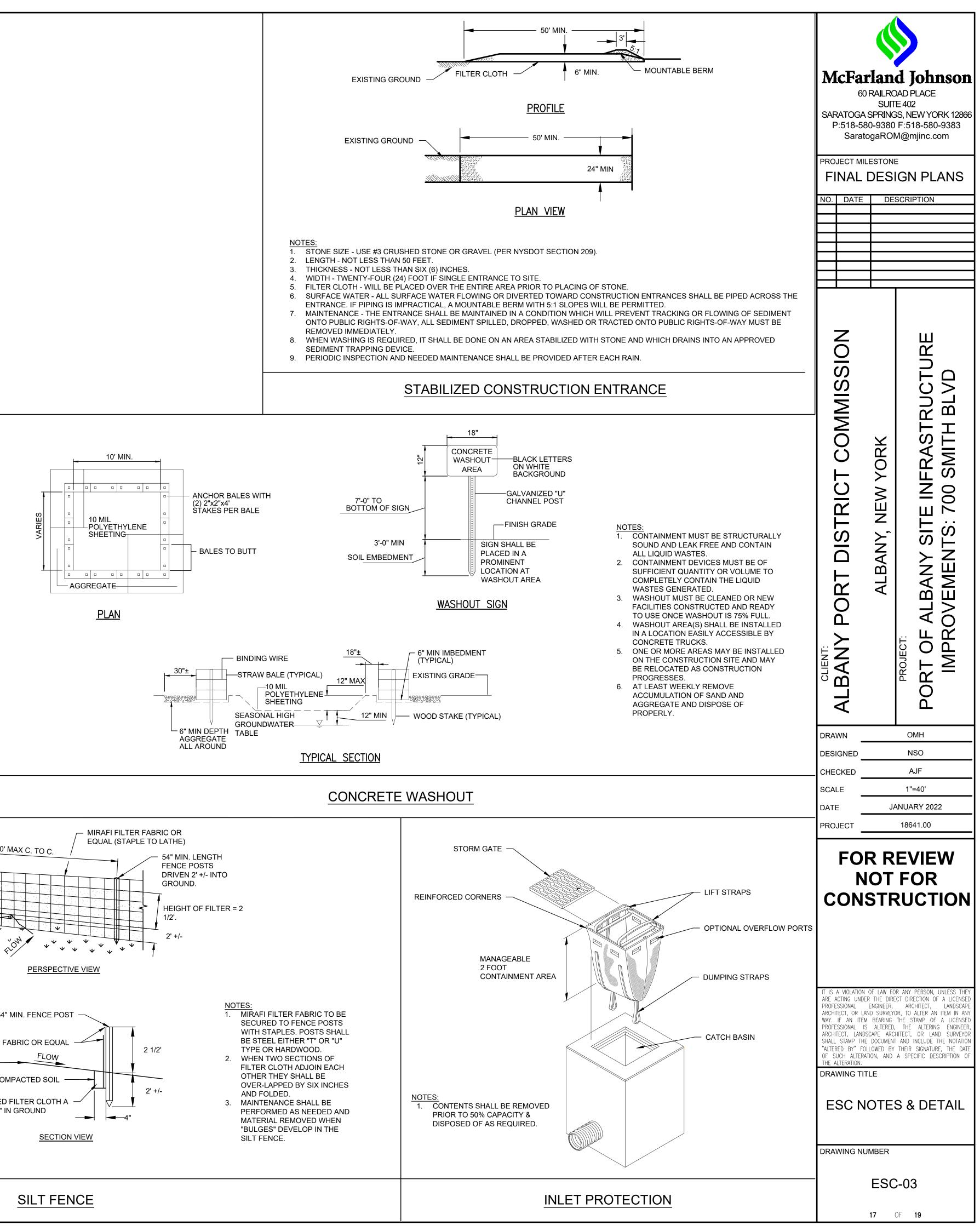
AT THE END OF THE PROJECT AN INSPECTOR SHOULD BE ABLE TO PUSH A 3/8" METAL BAR 12 INCHES INTO THE SOIL JUST WITH BODY WEIGHT. TILLING (STEP 2 ABOVE) SHOULD NOT BE PERFORMED WITHIN THE DRIP LINE OF ANY EXISTING TREES OR OVER UTILITY INSTALLATIONS THAT ARE WITHIN 24 INCHES OF THE SURFACE.

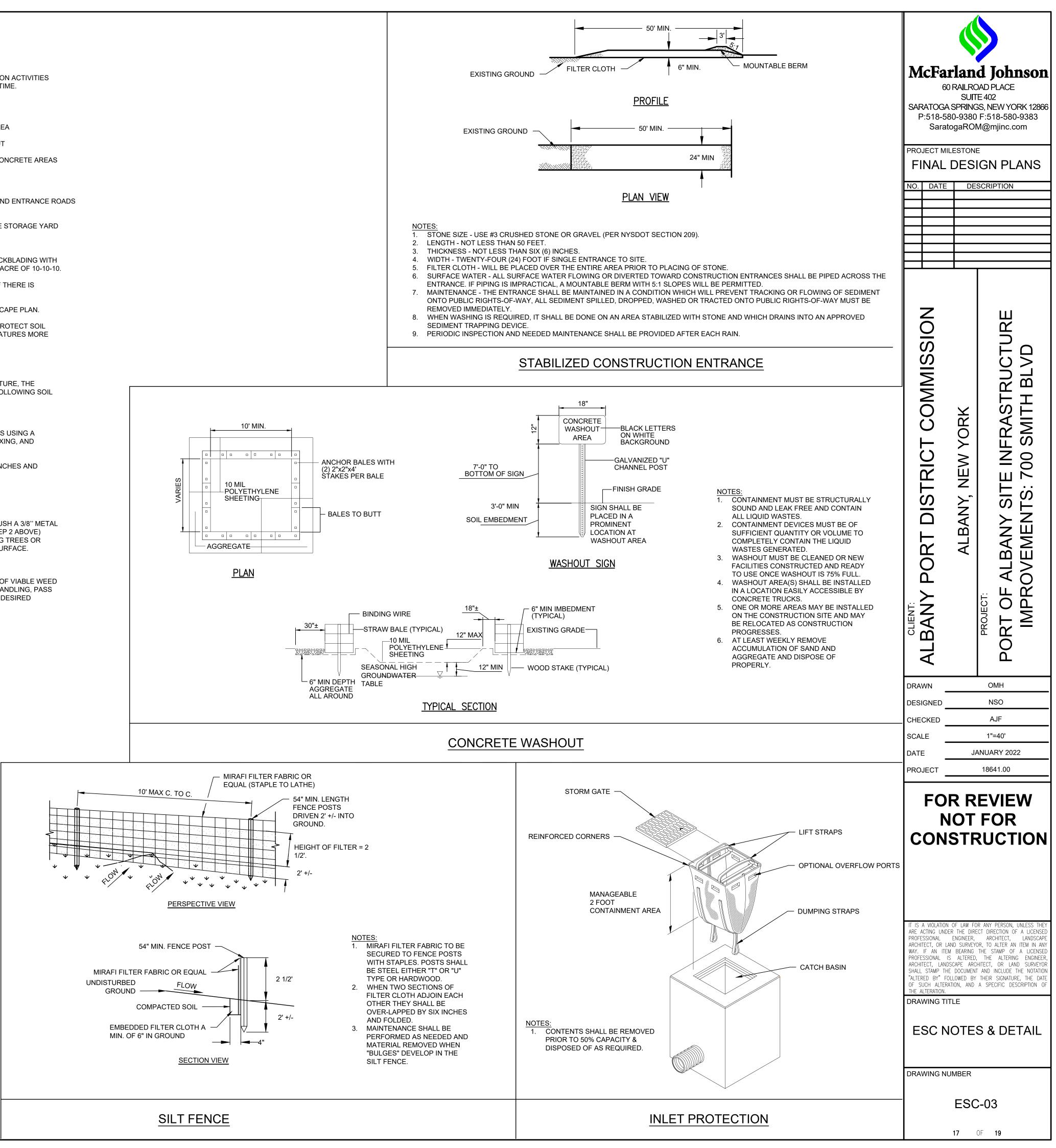
COMPOST SPECIFICATIONS:

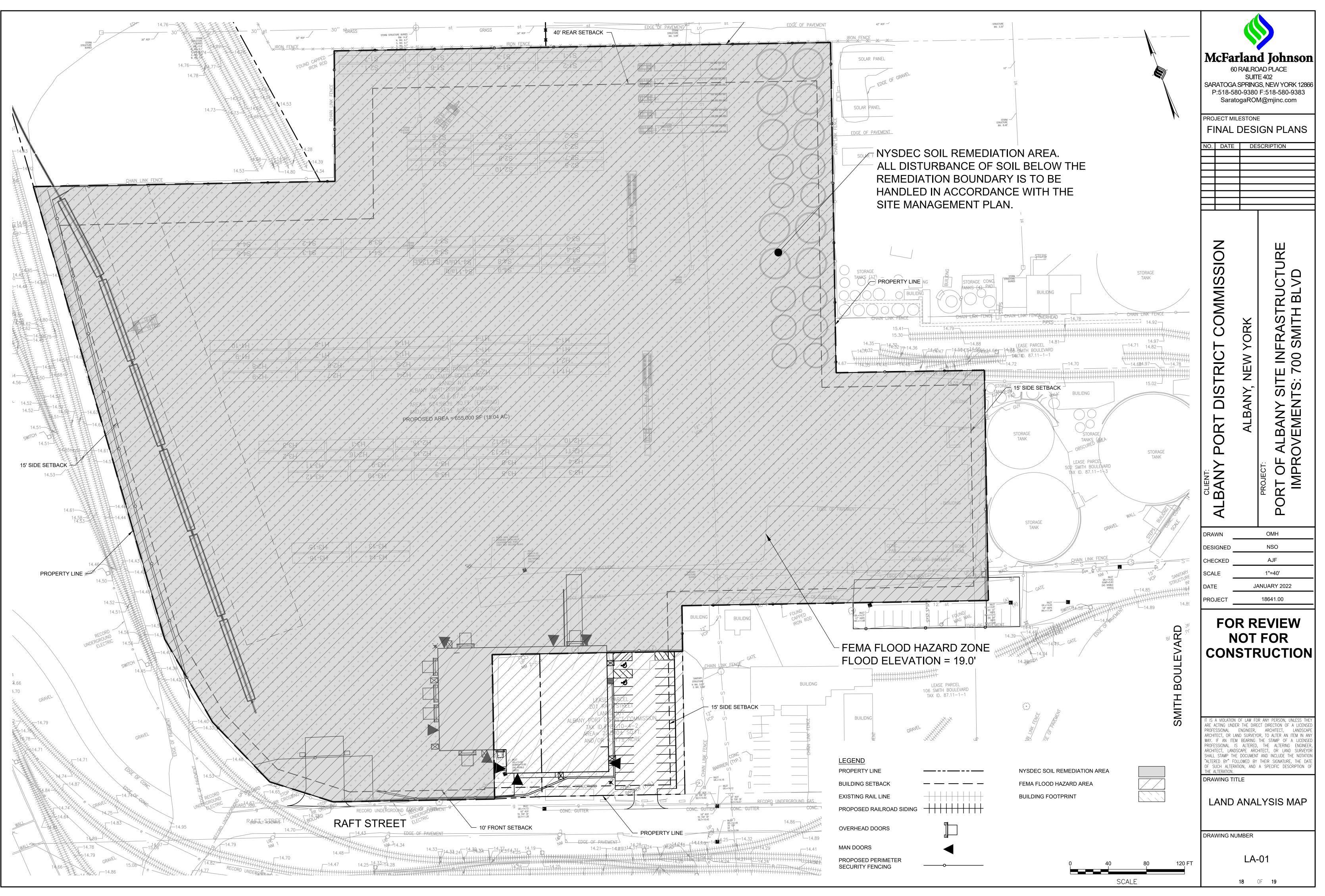
COMPOST SHALL BE AGED, FROM PLANT DERIVED MATERIALS, FREE OF VIABLE WEED SEEDS, HAVE NO VISIBLE FREE WATER OR DUST PRODUCED WHEN HANDLING, PASS THROUGH A HALF INCH SCREEN AND HAVE A PH SUITABLE TO GROW DESIRED PLANTS.

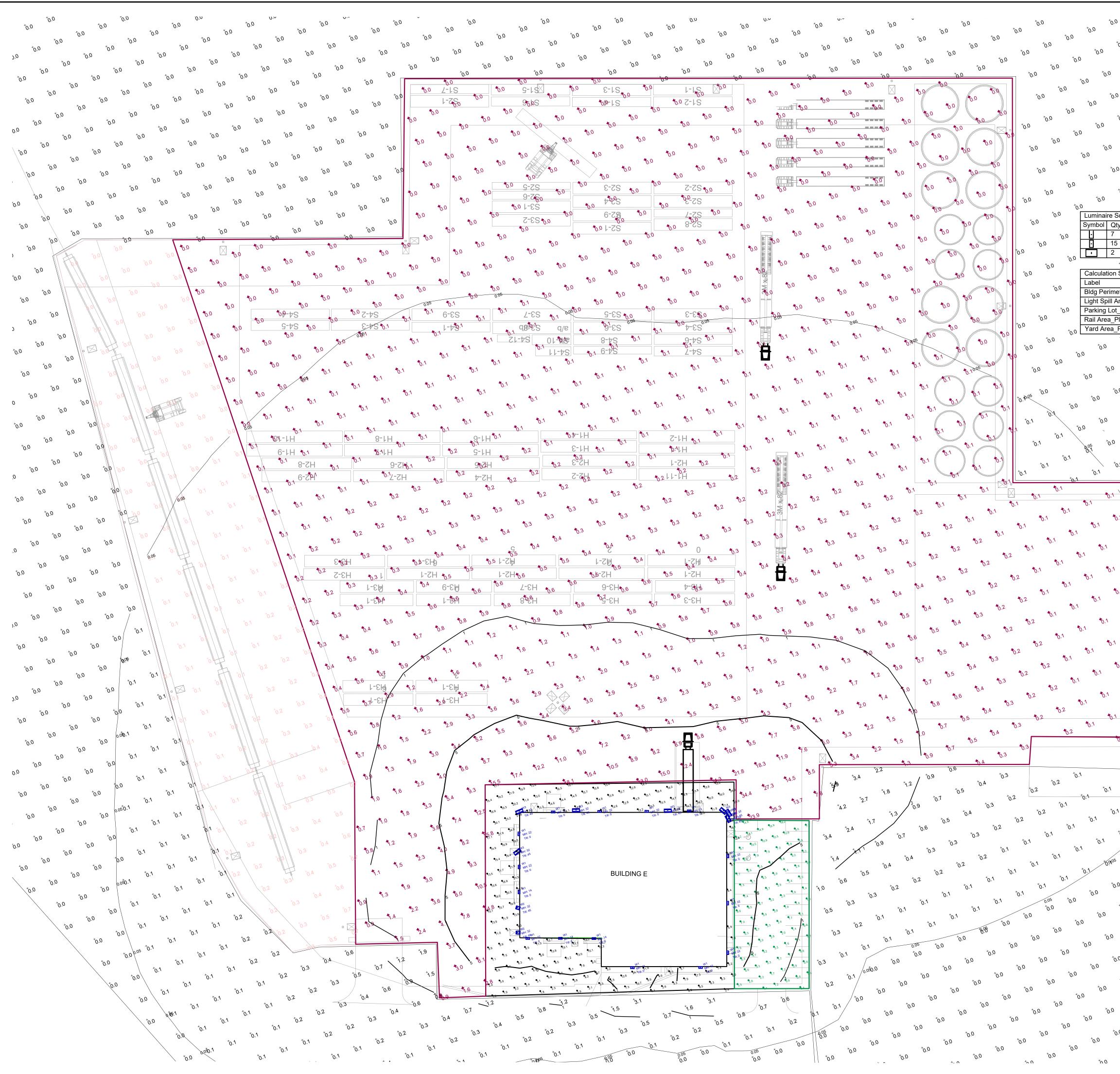
## THE CITY OF ALBANY SHOULD BE NOTIFIED PRIOR TO CONSTRUCTION ACTIVITIES ESTABLISH THE PROJECT CONSTRUCTION STAGING/OFFICE AREA ESTABLISHMENT OF THE STOCKPILE AND CONCRETE WASHOUT EXCAVATION AND REMOVAL OF ALL EXISTING FOUDNATIONS/CONCRETE AREAS CONSTRUCT THE PROPOSED PARKING LOT, LOADING DOCKS AND ENTRANCE ROADS

• PLACE/COMPACT THE PROPOSED DENSE GRADED AGGREGATE STORAGE YARD









ALBANY PORT EXPANSION/DRAW/DRAWINGS/SHEET FILES - 700 SMITH BLVD/18641.00-LIGHT-BLDG-E

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* <sub>0.</sub> 0 on Summary	/	0.0*								^ ۲				
meter_Plana	ar	CalcType Illuminance	Units Fc	Avg 11.91	Max 24.9	Min 1.6	Avg/ 7.44		Max/Min 15.56			Ζ		ш
Area_Light ot_Planar		Illuminance Illuminance	Fc Fc	0.06	5.5 18.9	0.0	N.A.		N.A. 47.25			C		R
_Planar		Illuminance	Fc	0.15	0.7	0.0	N.A.		N.A.		1	ヮ		
a_Planar *0.0		Illuminance	Fc		34.4 *0.0	0.0	N.A.	* <u>0.0</u>	N.A.	0.0 <sup>*</sup>				
* 0	.0 <sup>*</sup> 0.0 <sup>*</sup>		<sup>*</sup> 0.0	0.0*	<sup>*</sup> 0.0	0.0*	0.0*	°0*	0.0 <sup>*</sup>	0.0		$\geq$		BL
0 <u>.0</u> * 0	0.0 <sup>+</sup>	<sup>*</sup> 0.0 *0.0	0.0 <sup>*</sup>	0.0*	0.0	°0.	).0* C		0.0 <sup>*</sup>			$\geq$		
0.0 <sup>*</sup> 0.0		0.0 <sup>*</sup> 0.0	0.0	).0 <sup>*</sup>	°.0* ℃			0.0 <sup>*</sup>	0.0 <sup>*</sup>				XX	S L S L
	0.0 <sup>*</sup>	×	0 <sup>*</sup> 0.0	0		<sup>≁</sup> 0.0	0.0*		° <sup>†</sup> 0.0	.0		ر ر	NEW YORK	
0.0*	0*	0.0* 0.	* 0	0.0 <sup>*</sup>	0.0*	*~ 0	0.0*	0 <u>.0</u> *	0.0 <sup>*</sup>			- -	$\mathbf{\Sigma}$	INFF 00 SI
0.0 <sup>≁</sup>	0 <u>.0</u> *	0.0 <sup>*</sup> 0.0	0 <u>.0</u> *	<sup>*</sup> 0.0	0.0*	0.0*	Ť0.	.0 <sup>*</sup>					$\leq$	
0. 0.0*	0.0	0.0 <sup>+</sup>	0.0*	0.5	°0.	°0 <sup>*</sup>			0.0 <sup>*</sup> 0.0				Z	
*0.0	0.0*	0.0 <sup>+</sup>	0*	0.0* 0.0	0		0.0*	0.0*	to to	0 <u>.</u>		<u>0</u>	Σ	TS TS
, <b>*</b> 0.0	<u>60</u>		0.0		0.0*	0 <u>.0</u> *	* 0	0.0*	0.0*			ב	ALBANY,	Σ 🖌
1	<b>*</b> 0.0	0.0	0 <u>.0</u> *	0 <u>.0</u> *	<sup>*</sup> 0.0	0.0*	0 <u>.0</u> *	0 <sup>*</sup>	0.0 <sup>*</sup>		⊢	_	B	BAN' EME
*0.1	•0.0	0.0 <sup>+</sup>	<sup>*</sup> 0.0	0.0*	0.0	0 <sup>†</sup>	0 <sup>*</sup> 0.		*o.0			Ľ	A	ШV
*0.1	8 <sup>.05</sup>	2.0 <sup>*</sup>		·0*	.0 <sup>*</sup>			0.0*	<sup>*</sup> 0.0					Z ↓
0.	*0.1		0 <sup>*</sup>	0 <u>.</u> 0	* 0	0.0*	0 <u>.0</u> *	*- 0	^ <u>0.0</u> *					шЦС
*0.1 .1		*0.0	<sup>+</sup> ~ 0	0.0*	0 <u>.0</u> *	0.0 <sup>⁺</sup>	0.0*	0.0*	0.0 <sup>+</sup>			7		RT OF
*0.1	*01	0.0⁺ • <b>0</b> 0	0 <u>.0</u> *	0.0 <sup>*</sup>	0.0*	0	0*	0 <sup>*</sup> 0.ر	0.0		<	Z		
*0.1	°0.1	۵۰ ۵٫۵ <sup>+</sup>	0.0 <sup>*</sup>		0 <sup>*</sup>	0 <sup>*</sup> 0.	0.0		*0.0 *0.0			מ		R OR
*0.1	*0	A.		0 <sup>*</sup> 0.0	<u>0</u>	0 <u>.0</u> *	0.0*	0 <u>.0</u> *	0.0*		<	Z		<u>ď</u>
*0.1	*0.1	<i>*</i> 0.0	°.0	<sup>+</sup> 0.0	0.0*	0.0	0.0 <sup>+</sup>	0 <u>.0</u> *	0.0					
.^ <b>*</b> ₀.^	*0.1	*0.1 *0.0	0.0*	0.5	<sup>*</sup> 0.0	0.0*			0.0 <sup>*</sup> 0.0		DRAW	_		OMH
*0.1	*0.1	*0.1	0.0 <sup>*</sup>	0.0*			¢ 0.0	<i>0<sup>.</sup>0</i>	* 0		DESIG	_		NSO AJF
*0.1	0.1	·0*			0 <sup>*</sup> 0.0	0 <u>.</u> 0	<sup>+</sup> 0.0	0 <u>.0</u> *	<sup>*</sup> 0.0		CHEC	-		1"=40'
	0.1	0.0 <sup>+</sup>	<sup>*</sup> 0.0	0.0	0.0 <sup>*</sup>	0.0*	0.0	<sup>*</sup> 0.0	0.0*		DATE	_		ANUARY 2022
*0.1 ).1	*0.1		<sup>*</sup> 0.0	0 <u>.0</u> *		<sup>*</sup> 0.0	0.0*		0.0		PROJ	_		18641.00
<b>*</b> 0.1	٥.	0.0		0.0 <sup>*</sup>	0 <u>.0</u> *	٤	*(	ñ 0.0	0.0					
		Ō,	0.0 <sup>*</sup>		), ,	<i>0.0</i>	0.0	<sup>*</sup> 0.0	0.0 <sup>*</sup>			FO	RR	EVIEW
	<sup>*</sup> 0.1		* 0.0 <sup>*</sup>	<sup>*</sup> 0.0	5.0	0 <u>.0</u> *	0.0*	0.	0.0⁺					FOR
<sup>+</sup> 0.1		0.0 <sup>*</sup> 0.0		0.0 <sup>*</sup>	0.0*		0.0 <sup>*</sup>	0 <u>.0</u> *						RUCTION
<sup>*</sup> 0.1	+0.1	0.0 <sup>+</sup>	0 <u>.0</u> *	* 0	0.0*	0 <u>.0</u> *			0.0					
<b>0.1</b>	0.05 <sup>†</sup> 0.0	0.0 <sup>+</sup>	0.0 <sup>*</sup>	0.0 <sup>*</sup>	*	* 0.0	0.0	0 <u>.</u> 0	0.0 <sup>+</sup>					
<sup>+</sup> 0.1	, n , n	0.0*		ť 0.0	0 <u>.</u> 0	0	0.0 <sup>*</sup>	0.0*						
*0.0	0.0*	0.0	<sup>*</sup> 0.0		0.0*	0 <u>.0</u> *		°.0 <sup>*</sup>	0.0 <sup>*</sup>					
05	0.0*	0.0*	<sup>*</sup> 0.0	0.0*	+ 0	0.0*	0.0*		0.0*					R ANY PERSON, UNLESS THE
0.0 <sup>*</sup> 0.0	*• 0	0.0* 0.0	°0.	0.0*	0 <u>.0</u> *		0.0	0.0*	0.0		PROFES	SIONAL	ENGINEER,	CT DIRECTION OF A LICENSE ARCHITECT, LANDSCAP DR, TO ALTER AN ITEM IN AN
°, 0.0	0.0* 0.0	<sup>*</sup> 0.0	.0 .0		* 0.0	0.0	0	<sup>*</sup> 0.0	<sup>*</sup> 0.0		WAY. IF PROFES	<sup>F</sup> AN ITEM SIONAL IS	I BEARING ALTERED,	THE STAMP OF A LICENSE THE ALTERING ENGINEER
0	°.0 <sup>*</sup> 0.0		0.0*	0.0*		0.0*	0.0*				SHALL S ALTERE	STAMP THE D BY" FOL	DOCUMENT	HITECT, OR LAND SURVEYO AND INCLUDE THE NOTATIO THEIR SIGNATURE, THE DAT
0.0 <sup>*</sup>		0.0 <sup>*</sup> 0.0	* 0	0 <u>.0</u> *	0 <u>.0</u> *	+- <b>(</b>	°.0	).0* C	5		THE ALT	TERATION.		A SPECIFIC DESCRIPTION O
0.0 <sup>*</sup>	0 <u>.0</u> *	0.0 <sup>+</sup>	0.0*	0.0 <sup>*</sup>	0.0*	0.0 <sup>*</sup>		0.0 <sup>+</sup>	0.0 <sup>*</sup>		DRAW	/ING TIT	LE	
*0.0	0.0 <sup>*</sup>	*0.0 *0	.0 <sup>*</sup>			0.0 <sup>*</sup>	0.0*	U. 1	0.0*			IG	ΗΤΙΝ	IG PLAN
0.0*	3.0 *0.	0.0*		0.0*	0 <u>.0</u> *		0.0*	0 <u>.0</u> *				•		V V
0 <u>.0</u> *	°.0*	0.0*	0.0*		0.0 <sup>*</sup>	0.0*	- 4	°0,	0					
0	0.0 <sup>*</sup>	°.0* 0.0	0 <u>.0</u> *	0 <u>.0</u> *	°0.0	).0 <sup>*</sup>	).0* C		0.0 <sup>+</sup>		DRAW	/ING NU	MBER	
°.0, *0.0	0.0 <sup>+</sup>	0.0 *0.0	° <sup>*</sup>	).0* 0.				0.0*	-				1 т	.01
*0.0	0.0	0.0*	7 <sup>0</sup>		0.0 <sup>*</sup>	0		4	0	80 120 F	T		LT-	
	0 <sup>*</sup>	U.		0.0*		L					1			

SCALE