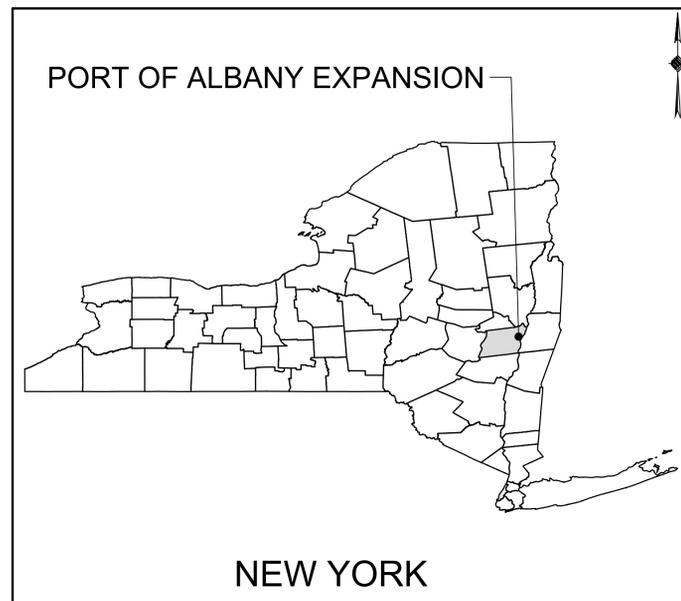


ALBANY PORT DISTRICT COMMISSION

MARMEN WELCON SITE: 700 SMITH BLVD

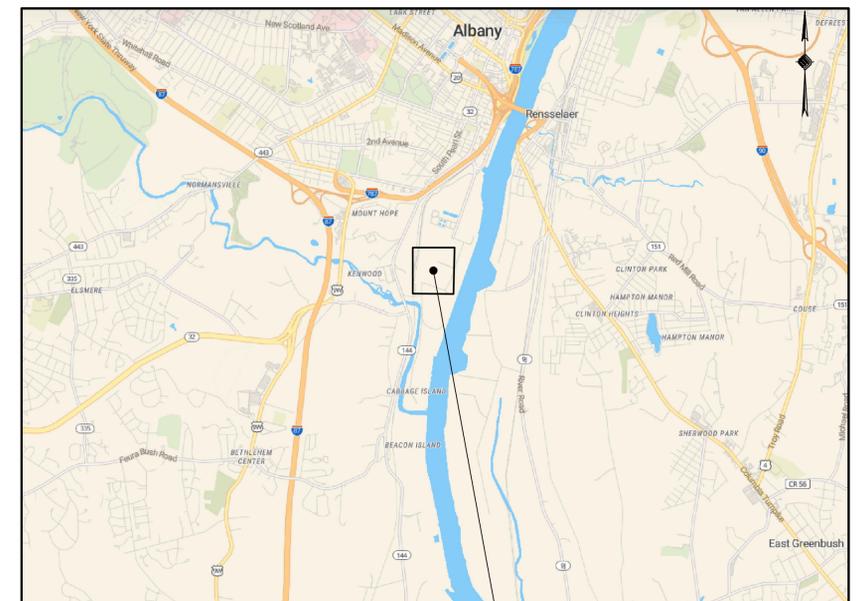


LOCATION MAP

BID PLANS

JULY 6, 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	JULY 6, 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.

GENERAL NOTES:

- 1. 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 U DIG NY AT 811 OR 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, SAFEGUARD AND PRESERVE ALL SURVEY CONTROL MONUMENTS AND ROW MONUMENTS IN THE AREAS OF CONSTRUCTION.
15. THE CONTRACTOR SHALL BE 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 REPRESENTATIVE IN WRITING PRIOR TO THE START OF CONSTRUCTION. FAILURE BY THE CONTRACTOR TO NOTIFY THE OWNERS REPRESENTATIVE SHALL CONSTITUTE ACCEPTANCE OF FULL RESPONSIBILITY BY THE CONTRACTOR TO COMPLETE THE SCOPE OF WORK AS DEFINED BY THE DRAWINGS IN FULL CONFORMANCE WITH
17. ANY GROUND DISTURBANCE WITHIN THE LIMITS OF THE PROPOSED SUBJECT PARCEL SHALL BE PERFORMED IN ACCORDANCE WITH THE DRAFT SITE MANAGEMENT PLAN - PORT OF ALBANY 700 SMITH BOULEVARD, ALBANY NEW YORK - NYSDEC SITE NO. 401080 PREPARED BY CHA DATED "REVISED DECEMBER 2021".

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 HYDROSEED 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 ACHIEVED 80% STABILIZATION.
3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR RESTORATION OF TOPSOIL AND ALL DISTURBED AREAS. IT IS THE CONTRACTOR'S RESPONSIBILITY TO MAINTAIN EROSION CONTROL MEASURES AT ALL TIMES.
4. EROSION CONTROL MEASURES SHALL 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 INLET PROTECTION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING BEST MANAGEMENT PRACTICES (BMPs) UNTIL GROUND COVER ACHIEVES 80% STABILIZATION.
6. SILT FENCE OR OTHER APPROVED EROSION CONTROL PRACTICES SHALL 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 REPRESENTATIVE WITH NYSDEC CERTIFICATION TO MONITOR EROSION CONTROL PRACTICES AND STRUCTURES AS WELL AS 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.
12. CAUTION SHOULD BE USED WHEN COMPLETING ANY EXCAVATION WITHIN THE SITE WITH REGARD TO THE EXISTING SOIL REMEDIATION AND EXISTING RECLAIMED ASPHALT PAVEMENT (RAP) CAP. ALL GRADING WORK SHALL BE IN COMPLIANCE WITH THE DRAFT SITE MANAGEMENT PLAN - PORT OF ALBANY 700 SMITH BOULEVARD, ALBANY NEW YORK - NYSDEC SITE NO. 401080 PREPARED BY CHA DATED "REVISED DECEMBER 2021" FOR ADDITIONAL INFORMATION ON THE ENVIRONMENTAL REQUIREMENTS ASSOCIATED WITH EXCAVATION OF THE CAP, THE SUB-SURFACE DEMARCATION LAYER AND THE EXISTING MATERIAL BELOW THE DEMARCATION LAYER.

SEQUENCE OF CONSTRUCTION

- 1. HOLD A PRE-CONSTRUCTION MEETING WITH PROJECT MANAGER, OPERATOR'S ENGINEER, CONTRACTORS & SUB-CONTRACTORS, AND REPRESENTATIVES OF THE TOWN OF BETHLEHEM AND CITY OF ALBANY (MS4) PRIOR TO LAND DISTURBING ACTIVITIES.
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 DRAWINGS.
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 TO COMMENCEMENT OF GROUND DISTURBANCE.
5. BEGIN CLEARING AND GRUBBING OPERATIONS. CLEARING AND GRUBBING SHALL ONLY BE DONE IN AREAS WHERE EARTHWORK WILL BE PERFORMED.
6. STRIP AND STOCKPILE TOPSOIL, INSTALL PERIMETER EROSION CONTROL AROUND STOCKPILES, SEED AND MULCH PER PLANS.
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 SITE GRADING.
8. STABILIZE ALL AREAS IDLE IN EXCESS OF 7 DAYS IN WHICH CONSTRUCTION WILL NOT COMMENCE WITHIN 7 DAYS.
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 TREATED BY APPROPRIATE EROSION AND SEDIMENT CONTROL DEVICES.
10. CONSTRUCT CATCH BASINS, AREA INLETS AND STORM SEWER MANHOLES, AS SHOWN ON THE PLANS.
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 SPECIFICATIONS.
13. FINALIZE PAVEMENT SUB-GRADE PREPARATION.
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 DISTURBED AREAS.
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 TEMPORARY EROSION AND SEDIMENT CONTROLS.

SANITARY SEWER NOTES:

- 1. ONLY DOMESTIC WASTE FROM THE PROJECT SHALL BE DISCHARGED INTO THE SANITARY SEWER.
2. ALL SANITARY LATERALS SHALL BE 6" PVC SDR-26 ASTM D2241 UNLESS OTHERWISE SPECIFIED ON THE PLANS.
3. A MINIMUM OF 4 FEET OF COVER SHALL BE PROVIDED OVER ENTIRE LENGTH OF ALL SANITARY LATERALS.
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 THE LOCAL AND/OR ALBANY COUNTY SEWER USE LAW.
8. MAXIMUM SPACING BETWEEN CLEANOUTS ON SANITARY LATERALS MAY NOT EXCEED SEVENTY-FIVE (75) FEET.
9. MAXIMUM SPACING BETWEEN SANITARY MANHOLES MAY NOT EXCEED FOUR-HUNDRED (400) FEET.
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 VACUUM TESTS, SHALL NOT BE ALLOWED ON SANITARY MANHOLES.
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 MAIN AIR PRESSURE/ EXFILTRATION TESTING, SEWER MANHOLE 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 PERFORMED WITHOUT MECHANICAL PULLING DEVICES.
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 CITY OF ALBANY WATER AND SEWER DEPARTMENT STANDARDS.
13. MIN DEFLECTION OF 3" PVC SDR21 ASTM D2241 FORCE MAIN SEWER LINE IS 0.7" FOR 20' LENGTHS.
14. PRIOR TO THE START OF CONSTRUCTION, THE CONTRACTOR SHALL OBTAIN ALL NECESSARY PERMITS REQUIRED FOR SANITARY SEWER CONNECTION FROM THE CITY OF ALBANY WATER DEPARTMENT.

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 ENCASEMENT 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.

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
5. 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.
6. 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.
7. ALL MECHANICAL JOINTS, FITTINGS (TEES, BENDS, PLUGS), ETC. SHALL BE BACKED WITH 3,000 P.S.I. CONCRETE THRUST BLOCKS OR APPROVED MECHANICAL RESTRAINTS.
8. 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.
9. 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
10. 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.
11. WATER SERVICE LINES SHALL BE SEPARATED AT LEAST 10 FEET, MEASURED FROM OUTSIDE OF THE PIPES, FROM SEWER MAINS AND SEPTIC SYSTEMS.
12. BACKFLOW PREVENTION SHALL BE PROVIDED IN BUILDING (SEE BUILDING PLANS).
13. 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.
14. THE CITY OF ALBANY DEPARTMENT OF WATER AND WATER SUPPLY SHALL BE NOTIFIED 48-HOURS IN ADVANCE OF CONNECTION OR TAP FOR INSPECTIONS.
15. PRIOR TO THE START OF CONSTRUCTION, THE CONTRACTOR SHALL OBTAIN ALL NECESSARY PERMITS REQUIRED FOR WATER SERVICE CONNECTION FROM THE CITY OF ALBANY WATER DEPARTMENT.

WATER SYSTEM TESTS:

- 1. PRESSURE AND LEAKAGE TESTING OF THE WATER MAIN SHALL BE WITNESSED BY DEPARTMENT STAFF AND ACCEPTABLE BACTERIOLOGICAL TEST MUST BE SUBMITTED AND ACCEPTED BY THE DEPARTMENT PRIOR TO FINAL OF THE NEW WATER MAIN.
2. SOIL TEST: THE CONTRACTOR SHALL PROVIDE A SOIL TEST EVALUATION TO DETERMINE THE NEED FOR POLYETHYLENE ENCASEMENT PER ANSIAWWA C105/AZ1 5-92 PRIOR TO WATER MAIN INSTALLATION. SOIL TESTING SHALL BE CONDUCTED BY AN APPROVED SOIL TESTING LABORATORY IN ACCORDANCE WITH LOCAL WATER AUTHORITY STANDARDS.
3. WATER PIPING SHALL BE FLUSHED AND TESTED IN CONFORMANCE WITH THE LATEST REVISION OF ANSIAWWA C600 STANDARD FOR DUCTILE IRON PIPE, C605 FOR PVC PIPE, OR EQUIVALENT OF C600 AND/OR C605 FOR PE PIPE.
4. THE PROPOSED WORKS MUST CONFORM TO THE LATEST REVISION OF ANSIAWWA C651 STANDARD, TABLE 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. PRESSURE AND LEAKAGE TESTING OF THE WATER MAIN SHALL BE WITNESSED BY THE CITY OF ALBANY WATER DEPARTMENT STAFF AND ACCEPTABLE BACTERIOLOGICAL TESTING MUST BE SUBMITTED AND ACCEPTED BY THE DEPARTMENT PRIOR TO FINAL ACCEPTANCE OF THE NEW WATER MAIN. 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 IS TO BE OBTAINED FROM THE HEALTH DEPARTMENT.
1. AND NOTIFICATION BY THE HEALTH DEPARTMENT MUST BE RECEIVED PRIOR TO LATERALS BEING INSTALLED.
CONFORMING WITH THE LATEST REVISION OF ANSIAWWA 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 ANSIAWWA C151 STANDARD. IF REQUIRED BY WATER SUPPLIER THE PIPE SHALL BE ENCASED WITH A MINIMUM 8 MIL. POLYETHYLENE WRAP AS PER LATEST REVISION OF ANSIAWWA C105 STANDARD.
3. POLYETHYLENE (PE) PRESSURE PIPE MUST BE PE 3408 MATERIAL MINIMUM. CONFORMING TO THE LATEST REVISION OF AWWA C901 AND C906.

SHEET LIST TABLE with columns SHEET NUMBER, SHEET TITLE, and Sheet. Rows include COVER SHEET, GENERAL NOTES, EXISTING CONDITIONS & DEMOLITION PLAN, SITE PLAN, RETAINING WALL, GRADING & DRAINAGE PLAN, DRAINAGE PROFILES (1 OF 2), DRAINAGE PROFILES (2 OF 2), DRAINAGE TABLES, UTILITY PLAN, UTILITY PROFILES, DETAIL SHEET (1 OF 6), DETAIL SHEET (2 OF 6), DETAIL SHEET (3 OF 6), DETAIL SHEET (4 OF 6), DETAIL SHEET (5 OF 6), DETAIL SHEET (6 OF 6), EROSION AND SEDIMENT CONTROL PLAN - PHASE 1, EROSION AND SEDIMENT CONTROL PLAN - PHASE 2, ESC NOTES & DETAIL, LAND ANALYSIS MAP, and LIGHTING PLAN.

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

PROJECT MILESTONE BID PLANS

Table with columns NO., DATE, and DESCRIPTION for project milestones.

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

Table with columns for project status: DRAWN (JES), DESIGNED (NSO), CHECKED (AJF), SCALE (1"=40'), DATE (JULY 6, 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 GENERAL NOTES

DRAWING NUMBER GN-01

N:\18641\01 ALBANY PORT EXPANSION\DRAWINGS\SHEET FILES - 700 SMITH BLVD\01A\01A_GENERAL NOTES\01A_GN-01.DWG



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PROJECT MILESTONE
BID PLANS

NO.	DATE	DESCRIPTION
1	7/29/2022	RFI (7/22/2022)

CLIENT:
ALBANY PORT DISTRICT COMMISSION
 ALBANY, NEW YORK

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

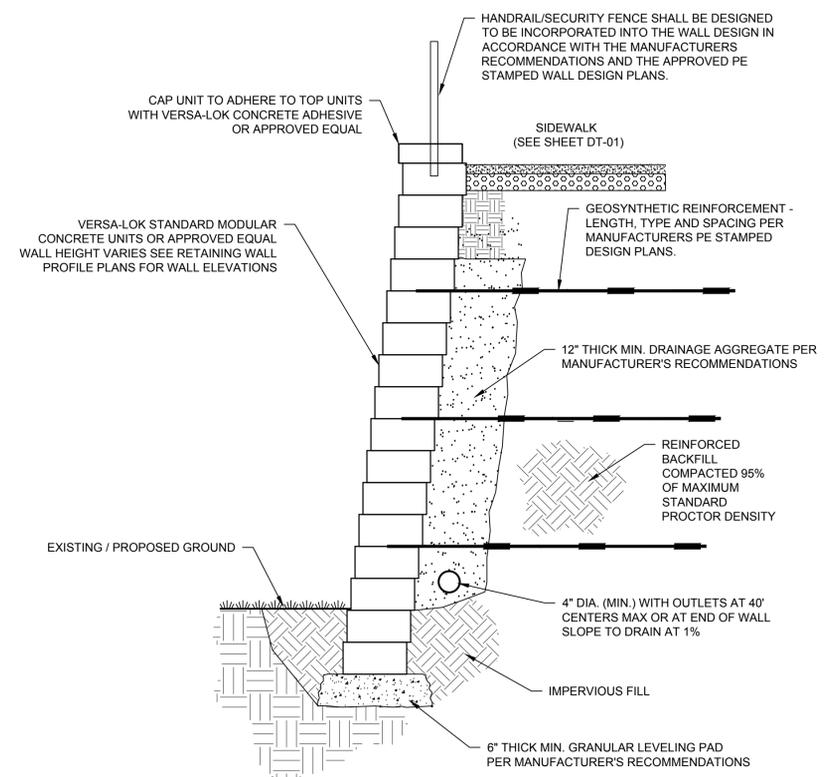
DRAWN	OMH
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DATE	JULY 6, 2022
PROJECT	18641.00



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.

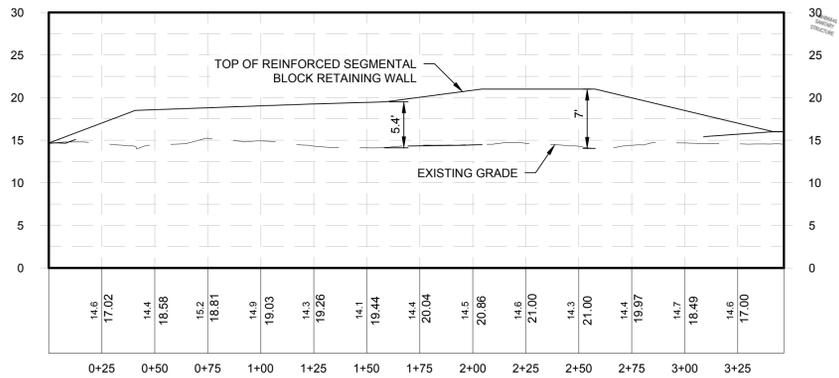
DRAWING TITLE
RETAINING WALL

DRAWING NUMBER
PR-01



REINFORCED SEGMENTAL BLOCK RETAINING WALL
 NOT TO SCALE

- 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'

N:\18641\05 ALBANY PORT EXPANSION\DRAWINGS\SHEET FILES\700 SMITH BLVD\DWG\05-RETAINING WALL.DWG



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PROJECT MILESTONE
BID PLANS

NO.	DATE	DESCRIPTION
1	07/29/2022	RFI (7/22/2022)

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	JULY 6, 2022
PROJECT	18641.00



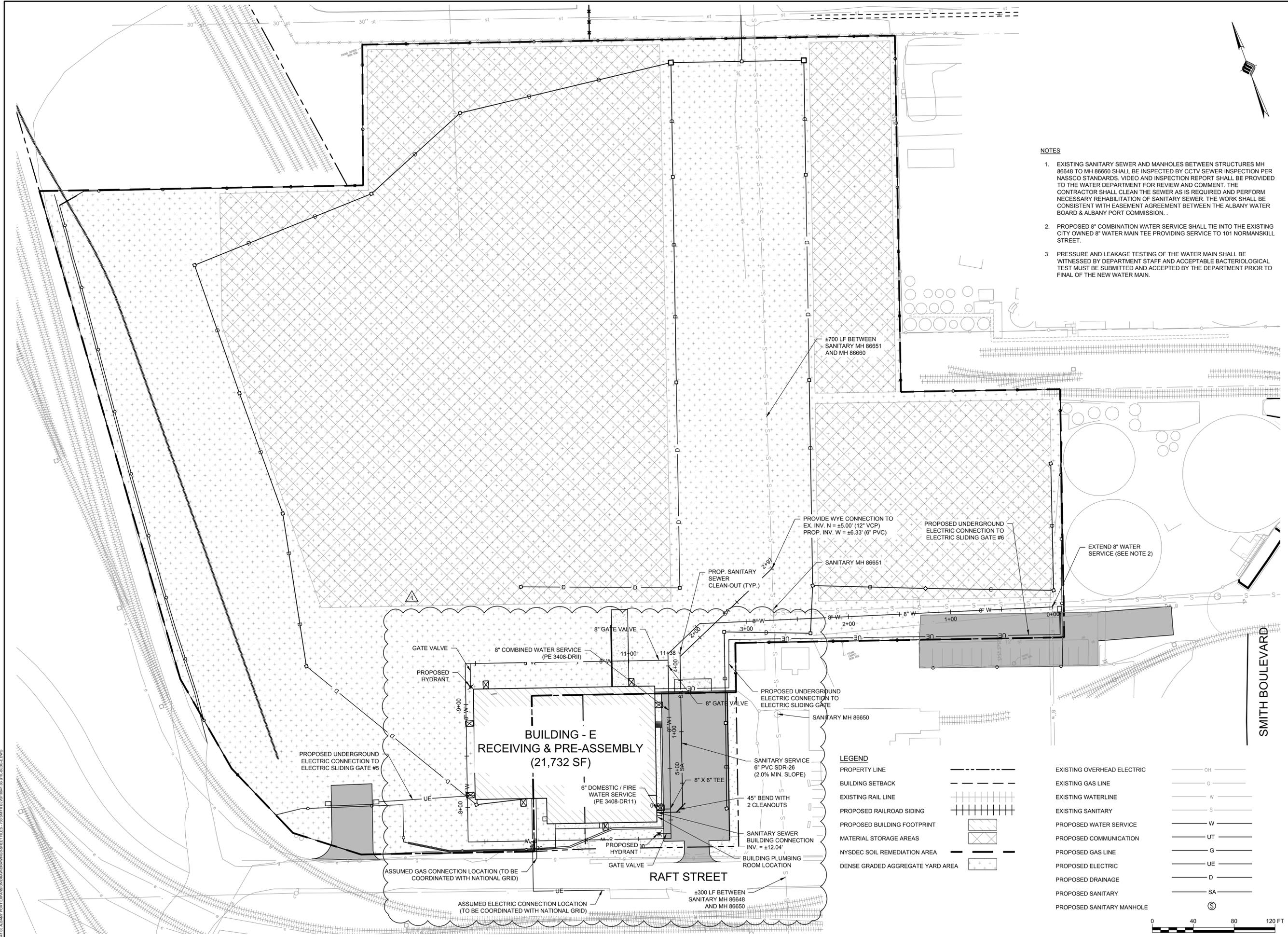
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DRAWING TITLE

UTILITY PLAN

DRAWING NUMBER

UT-01



- NOTES**
- EXISTING SANITARY SEWER AND MANHOLES BETWEEN STRUCTURES MH 86648 TO MH 86660 SHALL BE INSPECTED BY CCTV SEWER INSPECTION PER NASSCO STANDARDS. VIDEO AND INSPECTION REPORT SHALL BE PROVIDED TO THE WATER DEPARTMENT FOR REVIEW AND COMMENT. THE CONTRACTOR SHALL CLEAN THE SEWER AS IS REQUIRED AND PERFORM NECESSARY REHABILITATION OF SANITARY SEWER. THE WORK SHALL BE CONSISTENT WITH EASEMENT AGREEMENT BETWEEN THE ALBANY WATER BOARD & ALBANY PORT COMMISSION.
 - PROPOSED 8" COMBINATION WATER SERVICE SHALL TIE INTO THE EXISTING CITY OWNED 8" WATER MAIN TEE PROVIDING SERVICE TO 101 NORMANSKILL STREET.
 - PRESSURE AND LEAKAGE TESTING OF THE WATER MAIN SHALL BE WITNESSED BY DEPARTMENT STAFF AND ACCEPTABLE BACTERIOLOGICAL TEST MUST BE SUBMITTED AND ACCEPTED BY THE DEPARTMENT PRIOR TO FINAL OF THE NEW WATER MAIN.

LEGEND

PROPERTY LINE	---	EXISTING OVERHEAD ELECTRIC	—OH—
BUILDING SETBACK	- - -	EXISTING GAS LINE	—G—
EXISTING RAIL LINE		EXISTING WATERLINE	—W—
PROPOSED RAILROAD SIDING		EXISTING SANITARY	—S—
PROPOSED BUILDING FOOTPRINT	▨	PROPOSED WATER SERVICE	—W—
MATERIAL STORAGE AREAS	▧	PROPOSED COMMUNICATION	—UT—
NYSDEC SOIL REMEDIATION AREA	▩	PROPOSED GAS LINE	—G—
DENSE GRADED AGGREGATE YARD AREA	+	PROPOSED ELECTRIC	—UE—
		PROPOSED DRAINAGE	—D—
		PROPOSED SANITARY	—SA—
		PROPOSED SANITARY MANHOLE	⊙



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



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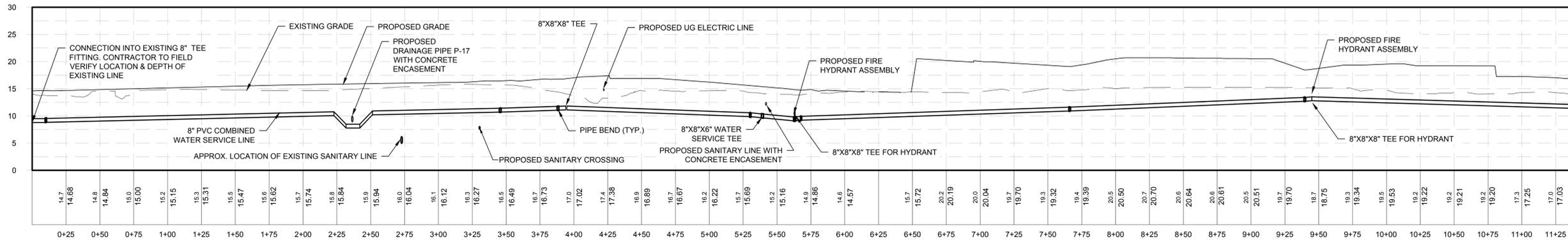
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PROJECT MILESTONE

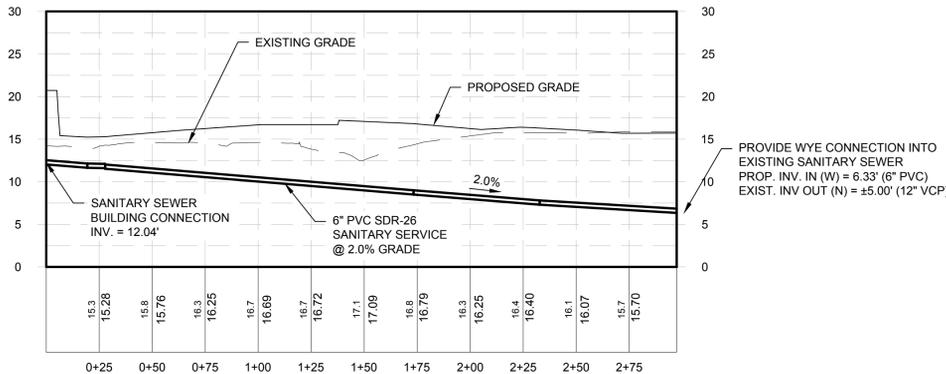
BID PLANS

NO. DATE DESCRIPTION

1 07/29/2022 RFI (7/22/2022)



WATER SERVICE
Horizontal Scale: 1" = 40'
Vertical Scale: 1" = 10'



SANITARY SERVICE
Horizontal Scale: 1" = 40'
Vertical Scale: 1" = 10'

NOTES

- EXISTING SANITARY SEWER MANHOLE SHALL BE LOCATED AND REHABILITATED TO MEET THE CITY OF ALBANY STANDARDS. RIM SHALL BE RAISED TO PROPOSED ELEVATION.
- PROPOSED 8" COMBINATION WATER SERVICE SHALL TIE INTO THE EXISTING CITY OWNED 8" WATER MAIN AT TEH TEE TO THE 101 NORMANSKILL STREET.
- PRESSURE AND LEAKAGE TESTING OF THE WATER MAIN SHALL BE WITNESSED BY DEPARTMENT STAFF AND ACCEPTABLE BACTERIOLOGICAL TEST MUST BE SUBMITTED AND ACCEPTED BY THE DEPARTMENT PRIOR TO FINAL OF THE NEW WATER MAIN.

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	JULY 6, 2022
PROJECT	18641.00



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DRAWING TITLE
UTILITY PROFILES

DRAWING NUMBER
UT-02

N:\18641.00 ALBANY PORT EXPANSION\DRAWINGS\DWG\UT-02.DWG



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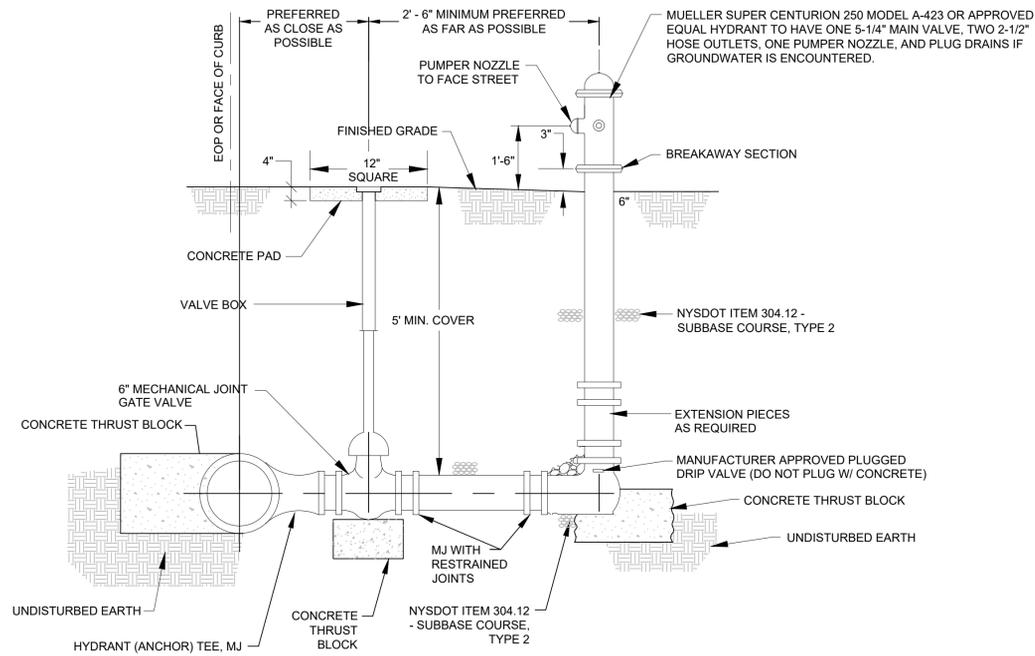
PROJECT MILESTONE
BID PLANS

NO.	DATE	DESCRIPTION

CLIENT:
ALBANY PORT DISTRICT COMMISSION

ALBANY, NEW YORK

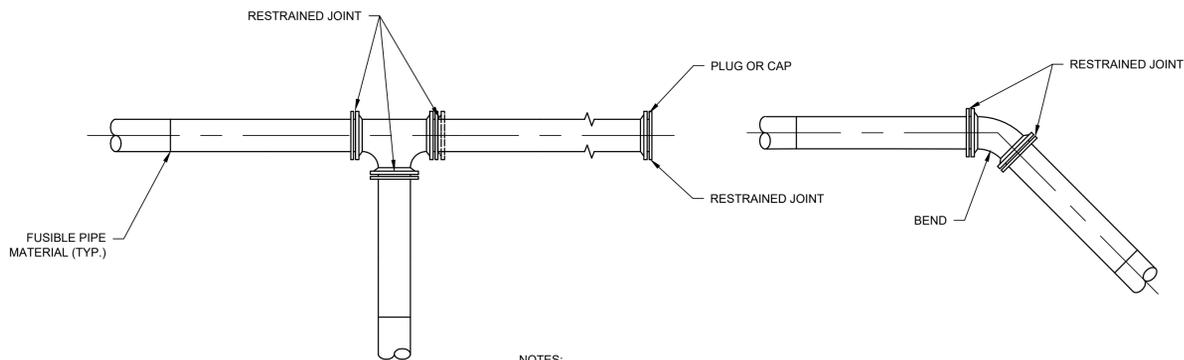
PROJECT:
**PORT OF ALBANY SITE INFRASTRUCTURE
 IMPROVEMENTS: 700 SMITH BLVD**



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

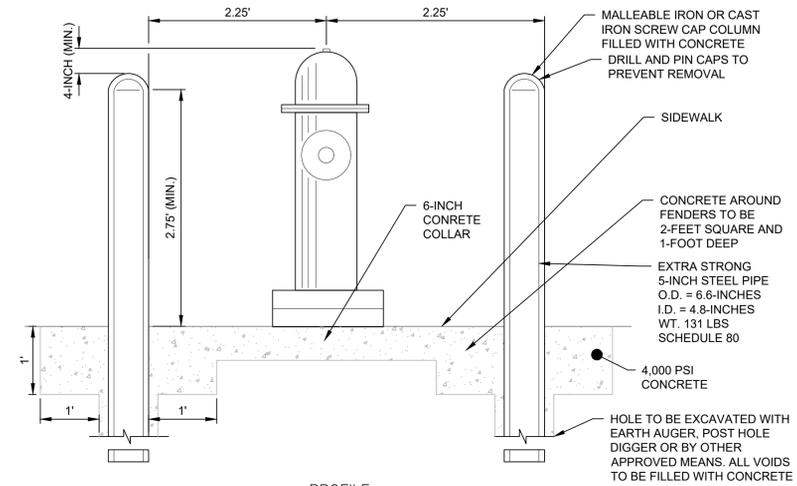
FIRE HYDRANT ASSEMBLY



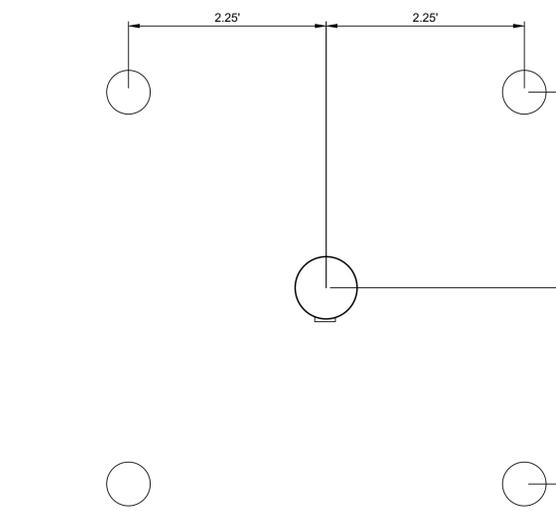
NOTES:

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

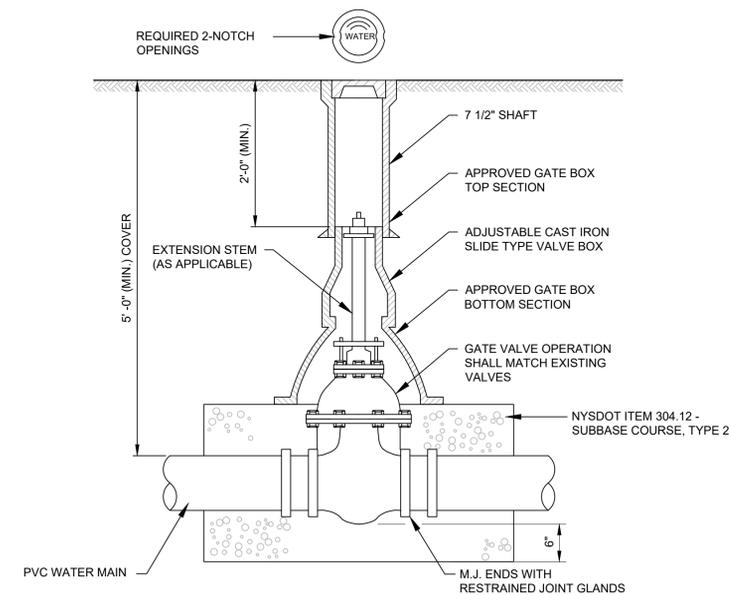


PROFILE



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	JULY 6, 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
BID PLANS

NO.	DATE	DESCRIPTION

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

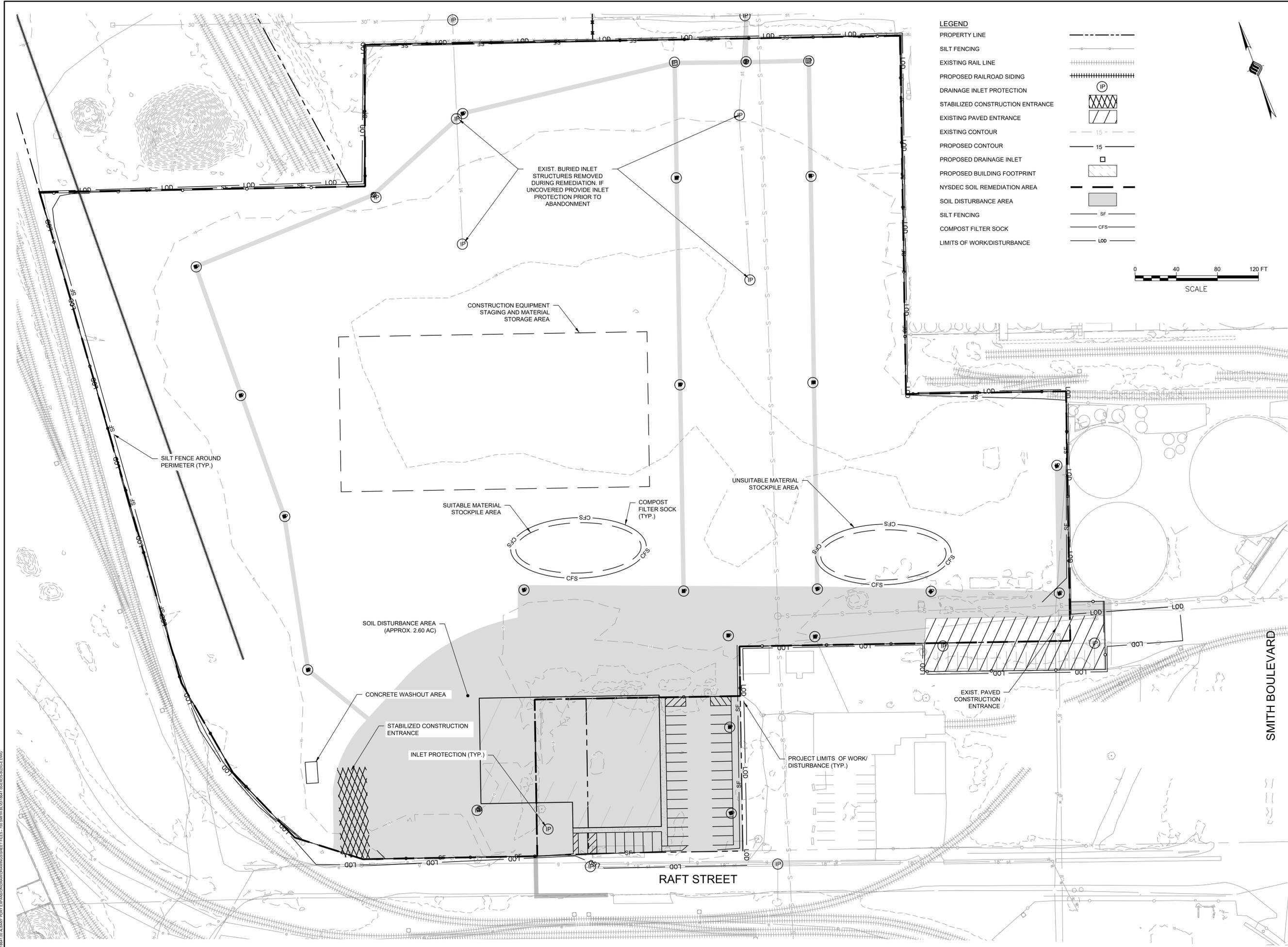
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DRAWING TITLE
EROSION AND SEDIIMENT CONTROL PLAN - PHASE 2

DRAWING NUMBER
ESC-02



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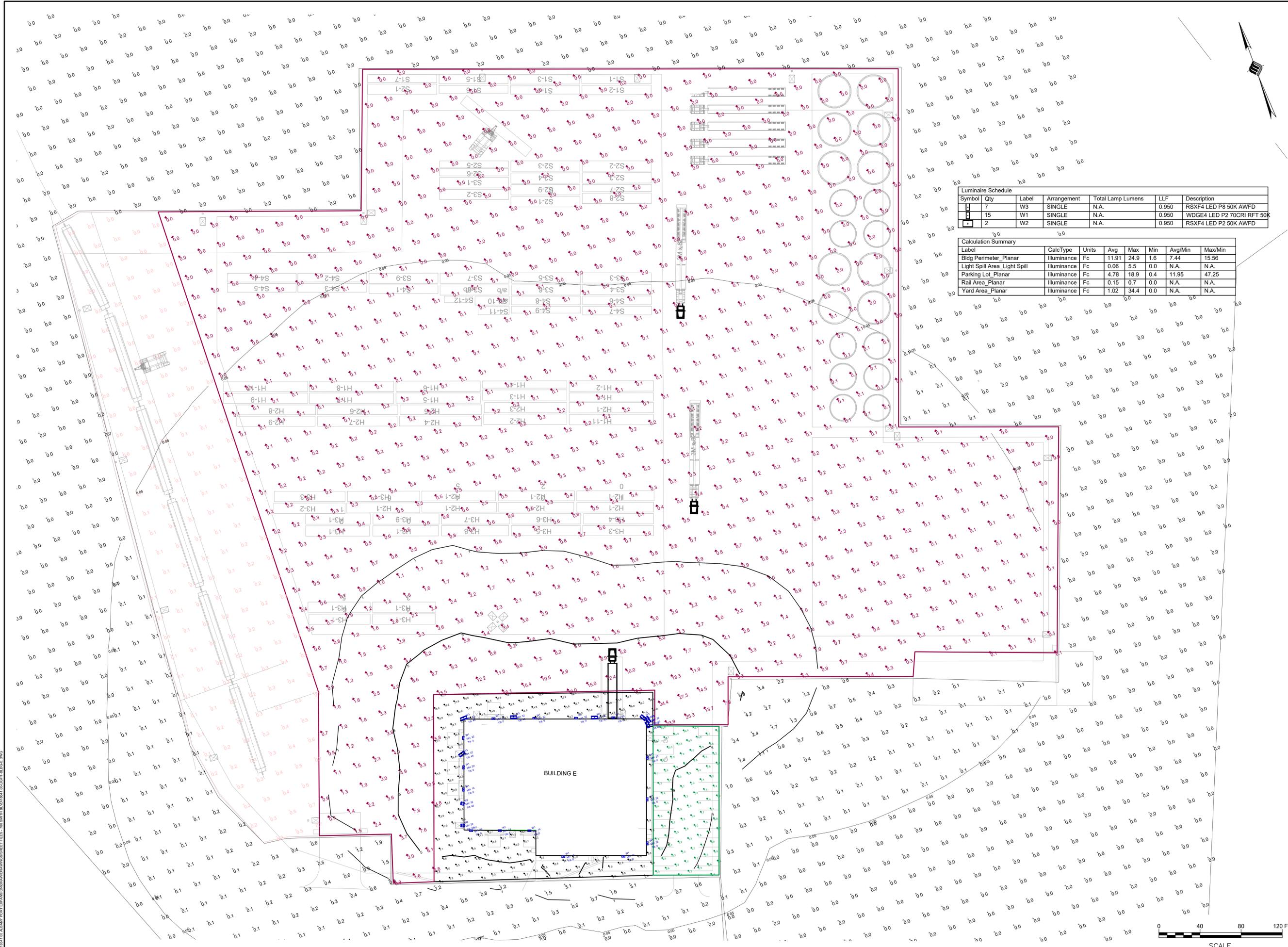
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PROJECT MILESTONE
BID PLANS

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.



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

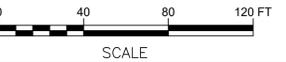
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DRAWING TITLE
LIGHTING PLAN

DRAWING NUMBER
LT-01



N:\18641\01 ALBANY PORT DISTRICT COMMISSION\DRAWINGS\18641.00 LIGHTING PLAN.DWG