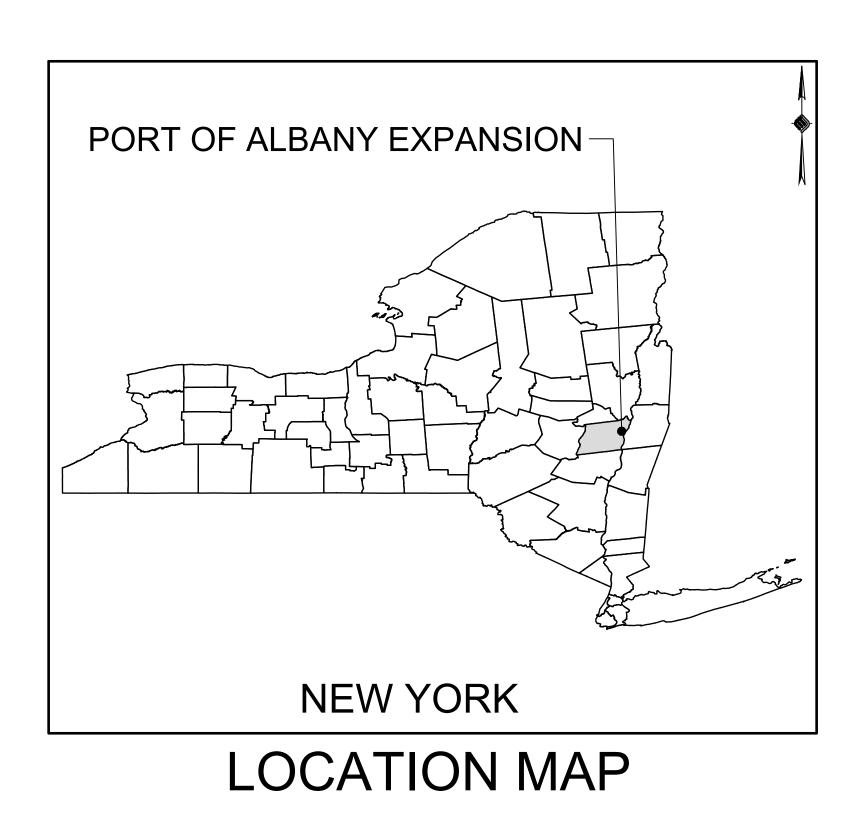
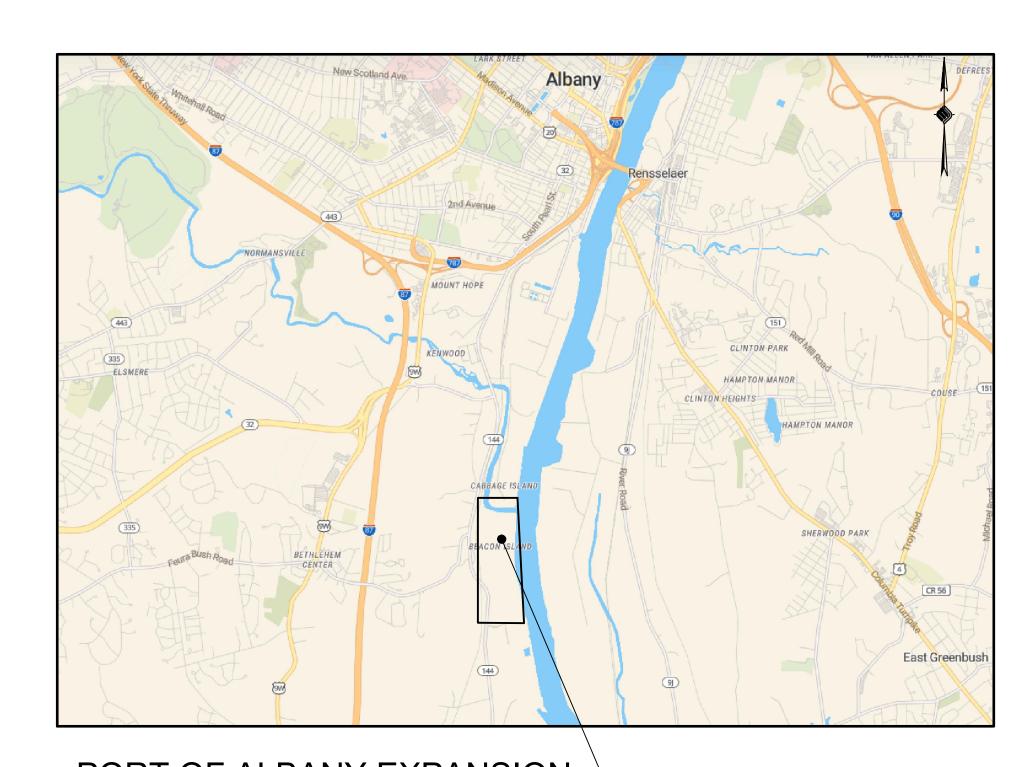
ALBANY PORT DISTRICT COMMISSION PORT OF ALBANY EXPANSION SITE



PRELIMINARY PLANS OCTOBER 2021

TOWN OF BETHLEHEM
ALBANY COUNTY
NEW YORK



PORT OF ALBANY EXPANSION — 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	
<u> </u>	3337.0	
PE_DATE	OCTOBER 2021	

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 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 DI ANS
- 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.
- 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 NEW YORK STATE DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS DATED JANUARY 8, 2015 AND ANY SUBSEQUENT REVISIONS.
- 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.
- 17. SEE OFFSITE IMPROVEMENT PLANS FOR ROADWAY, UTILITY AND WORKZONE TRAFFIC CONTROL WORK WITHIN THE NYSDOT HIGHWAY.
- 18. SEE BRIDGE PLANS AND NORMANSKILL STREET REHABILITATION PLANS FOR ALL WORK ASSOCIATED WITH THE EXTENSION OF NORMANSKILL TO ACCESS THE SITE.
- 19. SEE WHARF PLANS FOR ALL WORK ASSOCIATED WITH THE WHARF AND WORK ALONG THE HUDSON RIVER BELOW THE MHHW ELEVATIONS, INCLUDING PROPOSED DREDGING.

SEQUENCE OF CONSTRUCTION

- HOLD A PRE-CONSTRUCTION MEETING WITH PROJECT MANAGER, OPERATOR'S ENGINEER, CONTRACTORS & SUB-CONTRACTORS, AND REPRESENTATIVES OF THE TOWN OF BETHLEHEM (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. CONSTRUCT TEMPORARY STABILIZED CONSTRUCTION ENTRANCE AT LOCATION SHOWN ON THE DRAWINGS.
- 4. INSTALL PERIMETER CONTROLS AND INLET PROTECTION AT THE LOCATIONS SHOWN ON THE DRAWINGS.
- 5. 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.
- 6. BEGIN CLEARING AND GRUBBING OPERATIONS. CLEARING AND GRUBBING SHALL ONLY BE DONE IN AREAS WHERE EARTHWORK WILL BE PERFORMED.
- 7. STRIP AND STOCKPILE TOPSOIL, INSTALL PERIMETER EROSION CONTROL AROUND STOCKPILES, SEED AND MULCH PER PLANS.
- 8. 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.
- 9. STABILIZE ALL AREAS IDLE IN EXCESS OF 7 DAYS IN WHICH CONSTRUCTION WILL NOT COMMENCE WITHIN 7 DAYS.
- 10. 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.
- 11. BEGIN UTILITY INSTALLATION AND BACKFILL. UTILITY INSTALLATION AREA SHALL BE STABILIZED WITH SEED AND MULCH PROGRESSIVELY AT THE END OF EACH WORK DAY.
- 12. CONSTRUCT CATCH BASINS, AREA INLETS AND STORM SEWER MANHOLES, AS SHOWN ON THE PLANS.
- 13. INSTALL INLET/OUTLET PROTECTION PROGRESSIVELY AS THE STORM SEWER IS INSTALLED.
- 14. AS LAWN AREAS ARE BROUGHT TO GRADE, STABILIZE WITH TOPSOIL, SEED AND MULCH PER
- 15. FINALIZE PAVEMENT SUB-GRADE PREPARATION.
- 16. INSTALL ASPHALT SUB-BASE MATERIAL AS REQUIRED FOR PAVEMENT.
- 17. 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
- 18. 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.

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		1

LANDSCAPE & LIGHTING

LANDSCAPE & LIGHTING
LANDSCAPE & LIGHTING

59

SHEETS NOT INCLUDED FOR THIS SUBMISSION

LA-05

LA-06



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

PROJECT MILESTONE

PRELIMINARY PLANS

NO.	DATE	DESCRIPTION
	·	

LBANY, NEW YORK ANY SITE INFRASTRUCTU

DRAWN JES

DESIGNED NSO

CHECKED AJF

SCALE 1"=40'

DATE OCTOBER 2021

PROJECT 18641.00

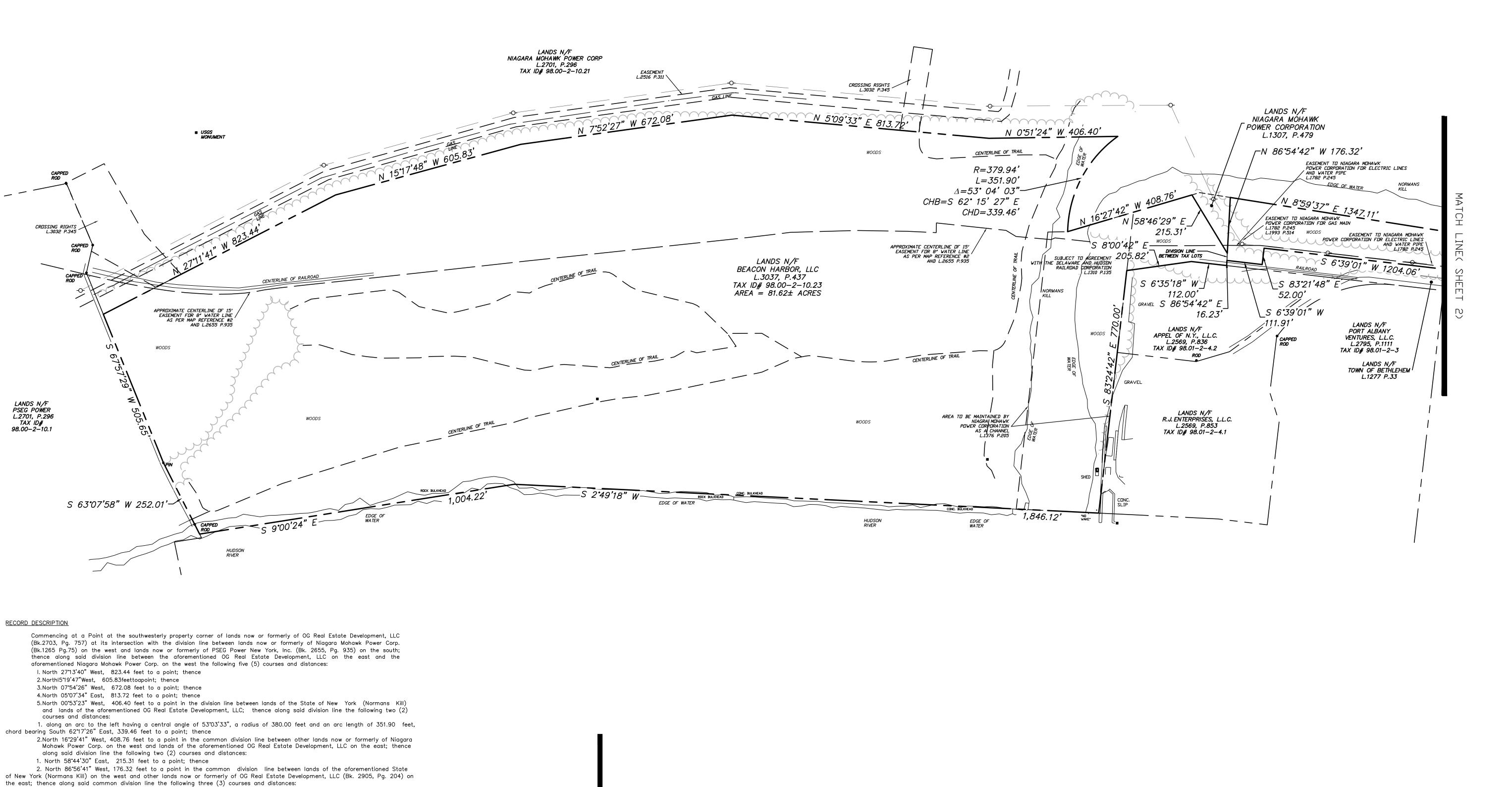
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DRAWING TITLE

GENERAL NOTES

DRAWING NUMBER

GN-01



1. North 08°57'38" East, 1347.11 feet to a point; thence

1. along an arc to the right having a central angle of 13°05'31", a radius of

452.35 feet and an arc length of 103.36 feet to a point; thence

2. South 17°30'19" West, 711.96 feet to a point of curvature; thence

South 66°41'22" East, 18.13 feet to a point in the westerly road boundary of South Port Road; thence along said westerly and also

3. along an arc to the left having a central angle of 10°53'17", a radius of 633.69 feet and an arc length of 120.42 feet

2. South 86°56'41" East, 16.23 feet to a point in the easterly boundary line of lands of the aforementioned OG Real Estate

3. South 83°26'41" East, 770.00 feet to a point along the Hudson River; thence along said Hudson River the following two

2. South 09°02'23" East, 1004.22 feet to a point in the common division line between lands of the aforementioned PSEG Power

New York, Inc. on the south and lands of the aforementioned OG Real Estate Development, LLC on the north; thence along

Development, LLC (Bk. 2703, Pg. 757); thence along said easterly boundary line the following three (3) courses and

5. South 83°23'47" East, 52.00 feet to a point in the westerly boundary of the D & H Railroad; thence along said westerly boundary and also the southerly boundary of said D & H Railroad the following two (2) courses and distances:

2. North 22°21'38" East, 586.00 feet to a point; thence 3. North 17°53'38" East, 352.00 feet to a point; thence

4. South 06°37'02" West, 1204.06 feet to a point; thence

1. South 06°37'02" West, 111.91 feet to a point; thence

1. South 06°33'19" West, 112.00 feet to a point; thence

2. South 08°02'41" East, 205.82 feet to a point; thence

1. South 02°47'19" West, 1846.12 feet to a point; thence

1. South 63°05'59" West, 252.01 feet to a point; thence

DATED DECEMBER 06, 1999, LAST REVISED MARCH 13, 2000.

PHYSICALLY EVIDENT ON THE PREMISES AT THE TIME OF THE SURVEY.

TO NAVD 1988 VIA THE APPLICATION OF GEOID MODEL 12B.

OBSERVED IN THE PROCESS OF CONDUCTING THE FIELDWORK.

4. SUBJECT TO ALL RIGHTS, EASEMENTS, COVENANTS AND RESTRICTIONS OF RECORD.

8. NO WETLAND DELINEATION OBSERVED IN THE PROCESS OF CONDUCTING FIELDWORK.

said common division line the following two (2) courses and distances:

2. South 67'55'30" West, 505.65 feet to the Point or Place of Beginning.

1. MAP ENTITLED "ALTA/ACSM LAND TITLE SUREY (URBAN CLASS) FOR ALBANY STEAM STATION, LANDS TO

BE CONVEED TO PSEG POWER NEW YORK INC." PREPARED BY NIAGARA MOHAWK POWER CORPORATION,

2. MAP ENTITLED "ALBANY STEAM STATION SERVICE WATER LINE GENERAL PLAN AND PROFILE" BY PREPARED

BY NIAGARA MOHAWK POWER CORPORATION, DATED MAY 15, 1952 AND LAST REVISED JUNE 27, 1989.

3. MAP ENTITLED "BOUNDARY SURVEY SHOWING LANDS N/F OF OG REAL ESTATE DEVELOPMENT, LLC" BY WSP

1. UNDERGROUND UTILITIES SHOWN HEREON BASED ON UTILITY EVIDENCE VISIBLE AT GROUND SURFACE AND

2. THE OFFSETS OR DIMENSIONS SHOWN HEREON, FROM THE PROPERTY LINES TO THE STRUCTURES. ARE FOR

3. EASEMENTS AND/OR SUBSURFACE STRUCTURES RECORDED OR UNRECORDED ARE NOT GUARANTEED UNLESS

OR TO GUIDE THE ERECTION OF FENCES, ADDITIONAL STRUCTURES OR ANY OTHER IMPROVEMENTS.

5. BASIS OF BEARING IS NEW YORK STATE PLANE COORDINATE SYSTEM EAST ZONE. CONTROL WAS

6. THE VERTICAL POSITION OF THE HEREIN SURVEY IS BASED ON THE STATIC GPS OBSERVATIONS AND IS

7. NO EVIDENCE OF RECENT EARTH MOVING WORK BUILDING CONSTRUCTION, OR BUILDING ADDITIONS WERE

SUBJECT TO FURTHER ADJUSTMENT TO ANY LOCAL NGS BENCHMARKS. THE VERTICAL DATUM IS RELATIVE

ESTABLISHED USING NYSNET VRS SYSTEM. THE HORIZONTAL DATUM IS RELATIVE TO NAD83

RECORD DRAWINGS AND ARE SUBJECT TO FIELD VERIFICATION BY EXCAVATION. UTILITIES SHOWN DO NOT

PURPORT TO CONSTITUTE OR REPRESENT ALL UTILITIES LOCATED UPON OR ADJACENT TO THE SURVEYED

A SPECIFIC PURPOSE AND USE; THEREFORE, THEY ARE NOT INTENDED TO MONUMENT THE PROPERTY LINES

southerly road boundary the following five (5) courses and distances:

to a point; thence

(2) courses and distances:

SELLS, DATED SEPTEMBER 16, 2009.

GENERAL NOTES:



LEGEND

TRAVERSE LINE, CENTER

--- PROPERTY LINE

TREELINE

---- WATER MANHOLE

)----- UNMARKED MANHOLE

75 MAJOR CONTOUR

74 MINOR CONTOUR

× G 29.0

× TC 29.0

× BC 29.0

D.C. = DEPRESSED CURB

 $BC = BOTTOM \ OF \ CURB$

C = TOP OF CURB

BOL = BOLLARD

MB = MAILBOX

GRT = GRATE

----- ELECTRICAL MANHOLE

SANITARY MANHOLE

_ DRAINAGE MANHOLE

TOP OF CURB ELEV.

--- U/G CABLE TV LINE

--- U/G TELEPHONE LINE

---- U/G ELECTRIC LINE

--- WATER MAIN

--- GAS MAIN

- OVERHEAD WIRE

SAN. SEWER MAIN

STORM PIPE

- SAN. SEWER LATERAL

ABBREVIATIONS

FF = FINISH FLOOR

DEP. = DEPRESSED

CL = CENTERLINE

UV = UNKNOWN VALVE

PM = PARKING METER

— U/G FIBER OPTIC LINE

BOTTOM OF CURB ELEV.

EDGE OF PAVEMENT

MUNICIPAL BOUNDARY

WETLAND MARKER

TRAFFIC FLOW

TRAFFIC SIGNAL POLE

POLE MOUNTED LIGHT

★ FDC FIRE DEPT. CONNECTION

OCO SANITARY CLEANOUT

STORM INLET TYPE 'A'

CONCRETE MONUMENT

STORM INLET TYPE 'B'

STM. DBL. INLET TYPE 'B

STORM INLET TYPE 'E'

STM. DBL. INLET TYPE 'E

FLARED END SECTION

MHWL = MEAN HIGH

MLWL= MEAN LOW

TW = TOP OF WALL

BW = BOTTOM WALL

WATERLINE

WATERLINE

HEADWALL

CAPPED REBAR/IRON PIPE

MAILBOX

-O- UTILITY POLE

TRANSFORMER

FIRE HYDRANT

OWV WATER VALVE

OGV GAS VALVE

•─ GUY WIRE

TREE

ROADWAY SIGNS





26/18 BAS UPDATE AS PER TITLE INFORMATION

26/18 BAS UPDATE AS PER T



PAT T. VANHAVERBEKE NEW YORK LICENSED LAND SURVEYOR - LICENSE NUMBER: #050931

BOUNDARY SURVEY OF LANDS NOW OR FORMERLY

> OF BEACON HARBOR, LLC

TAX ID # 98.00-2-10.23

TAX ID# 98.01-2-1 TOWN OF BETHLEHE

TOWN OF BETHLEHEM
ALBANY COUNTY
STATE OF NEW YORK



Suite 203
Albany, NY 12205
Phone: 518.459.3252
Fax: 518.459.3284

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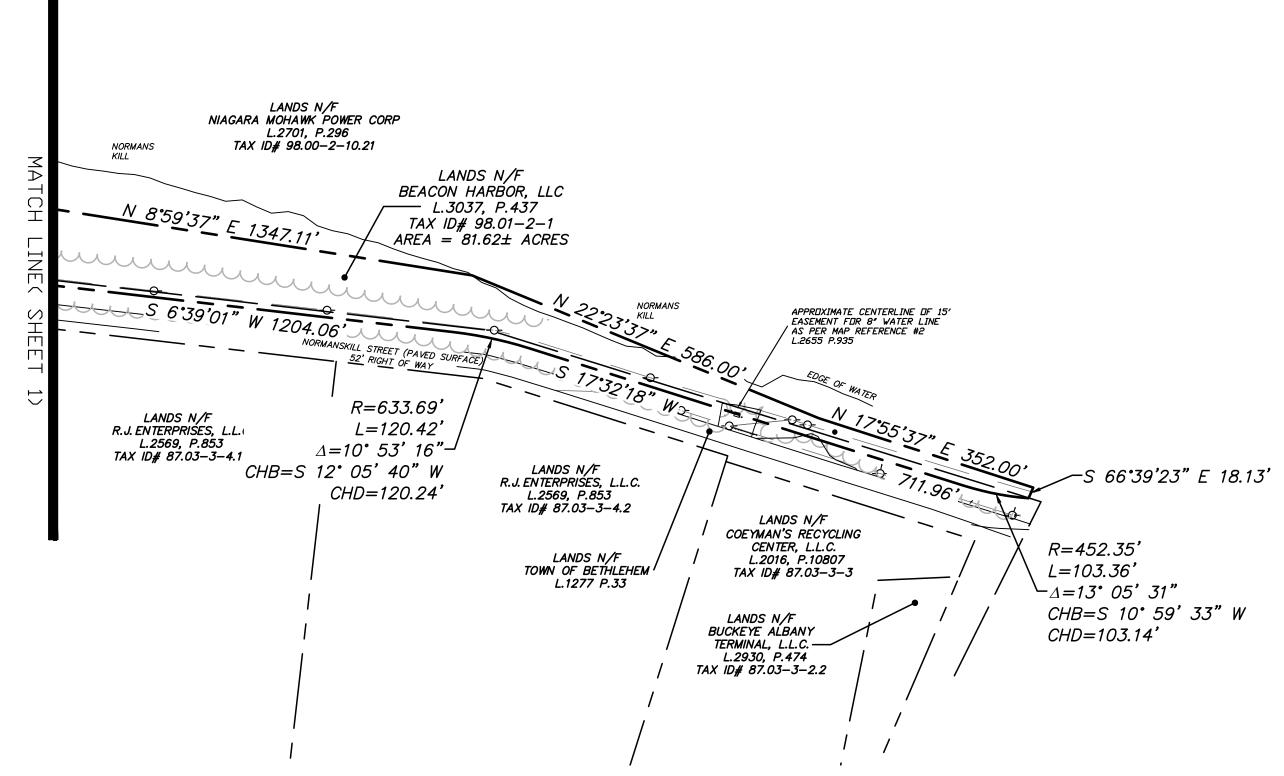
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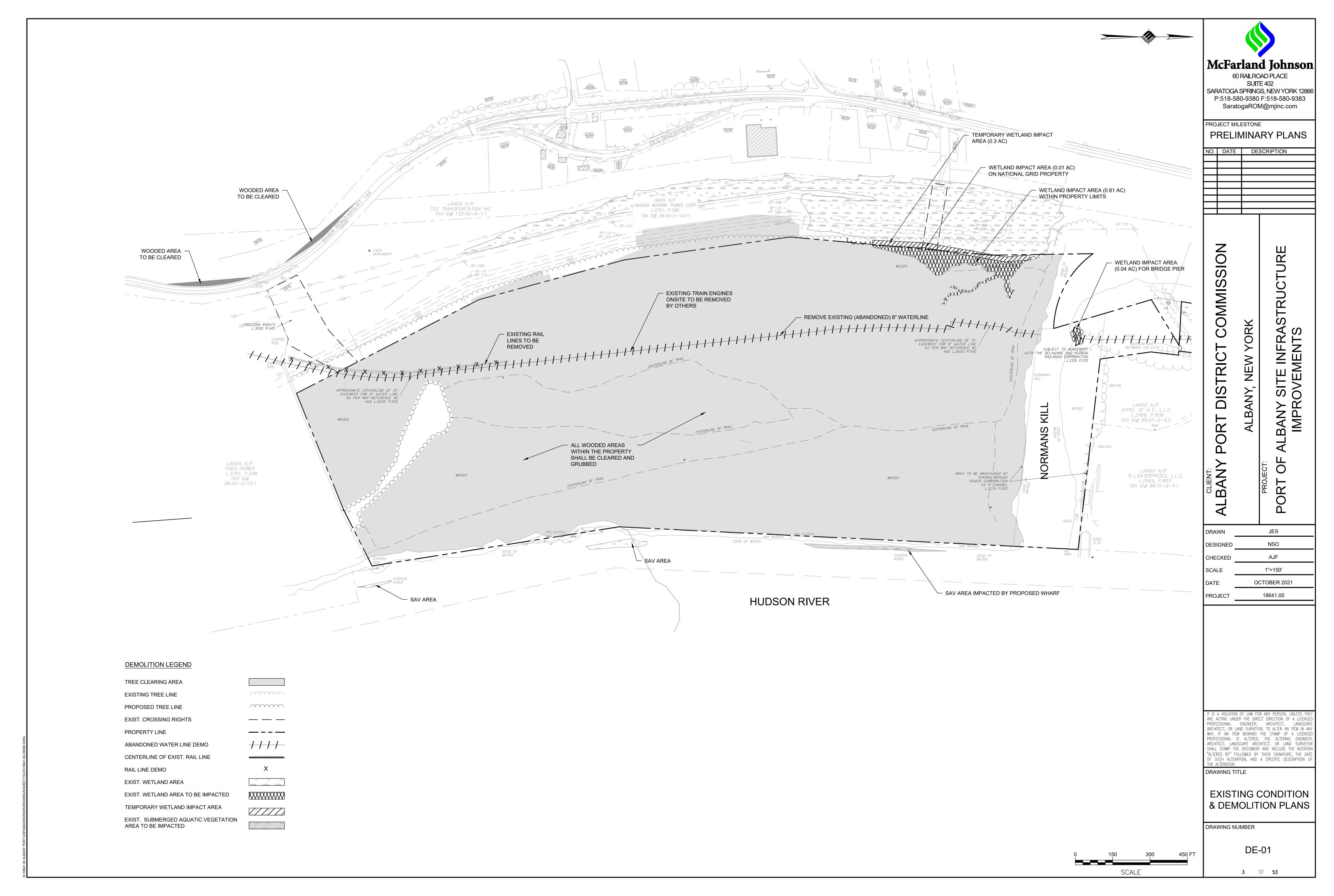
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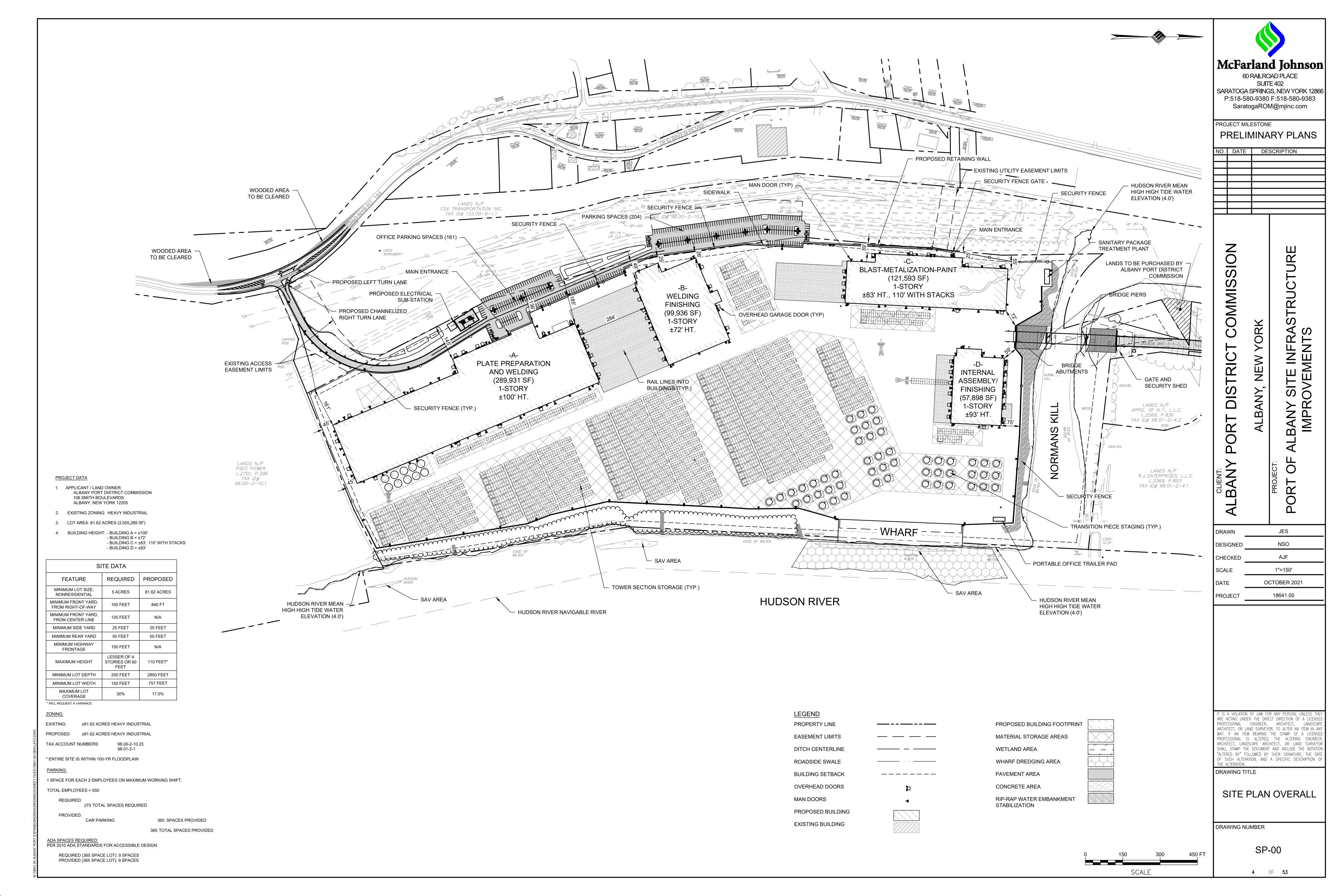
BOUNDARY SURVEY

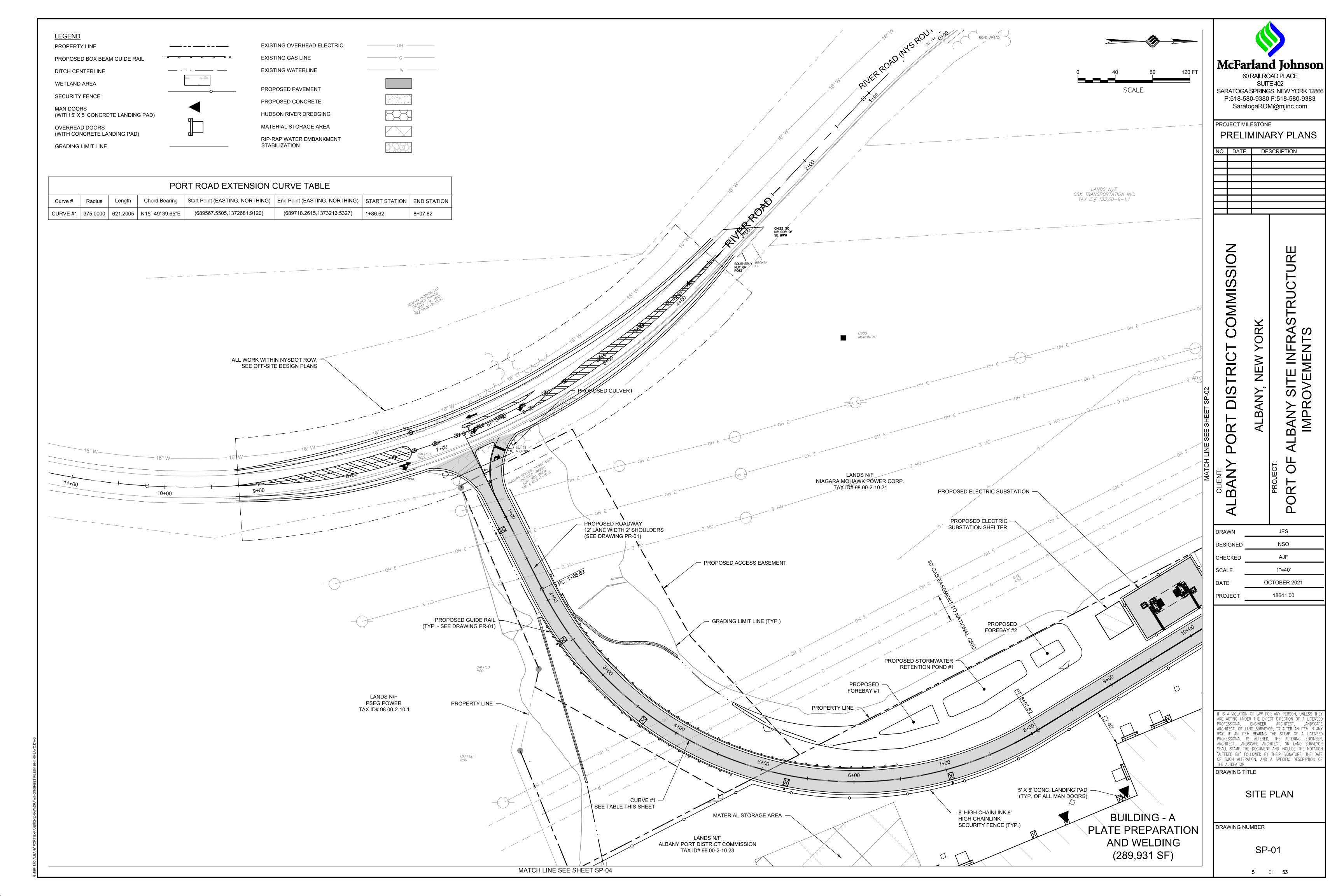
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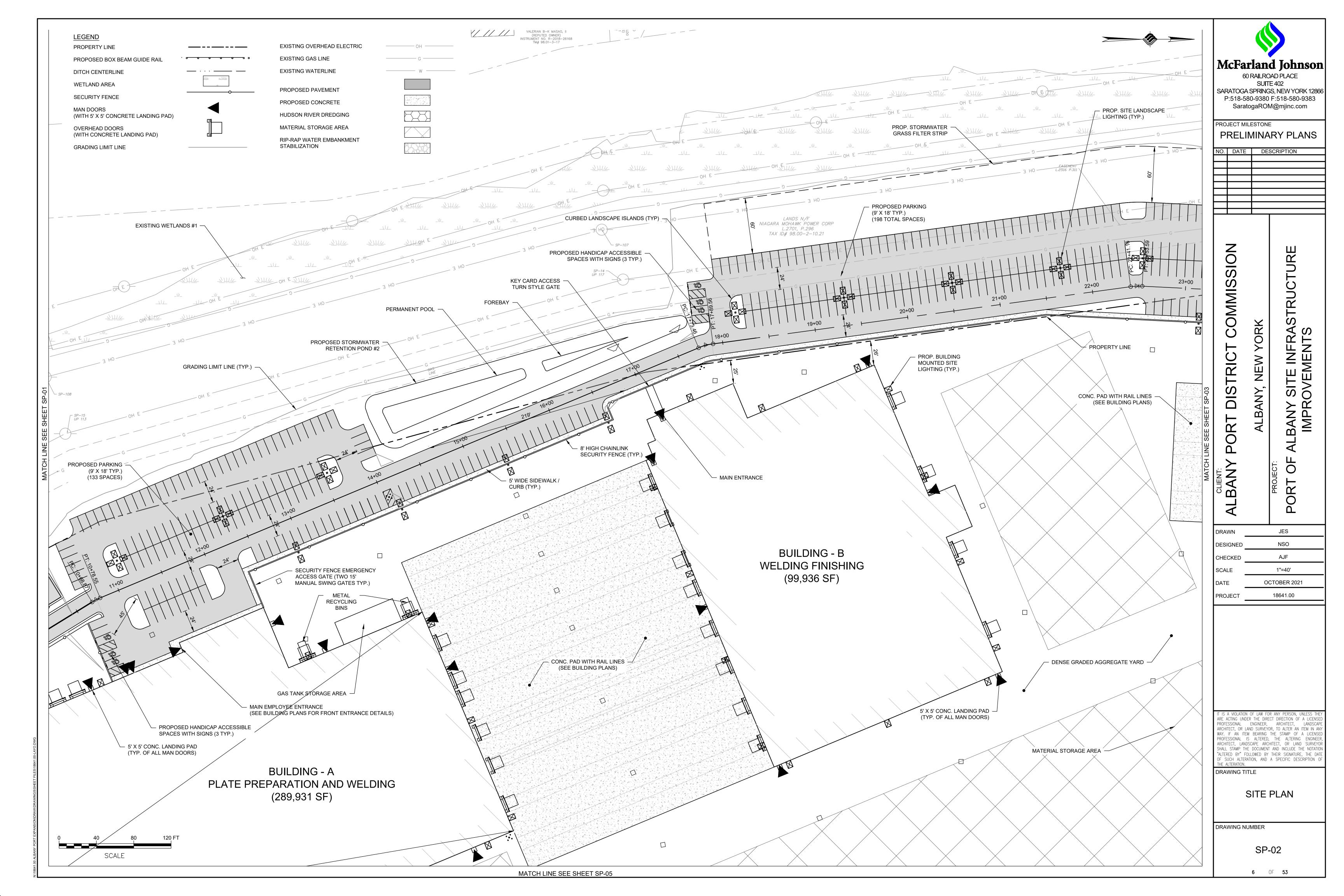


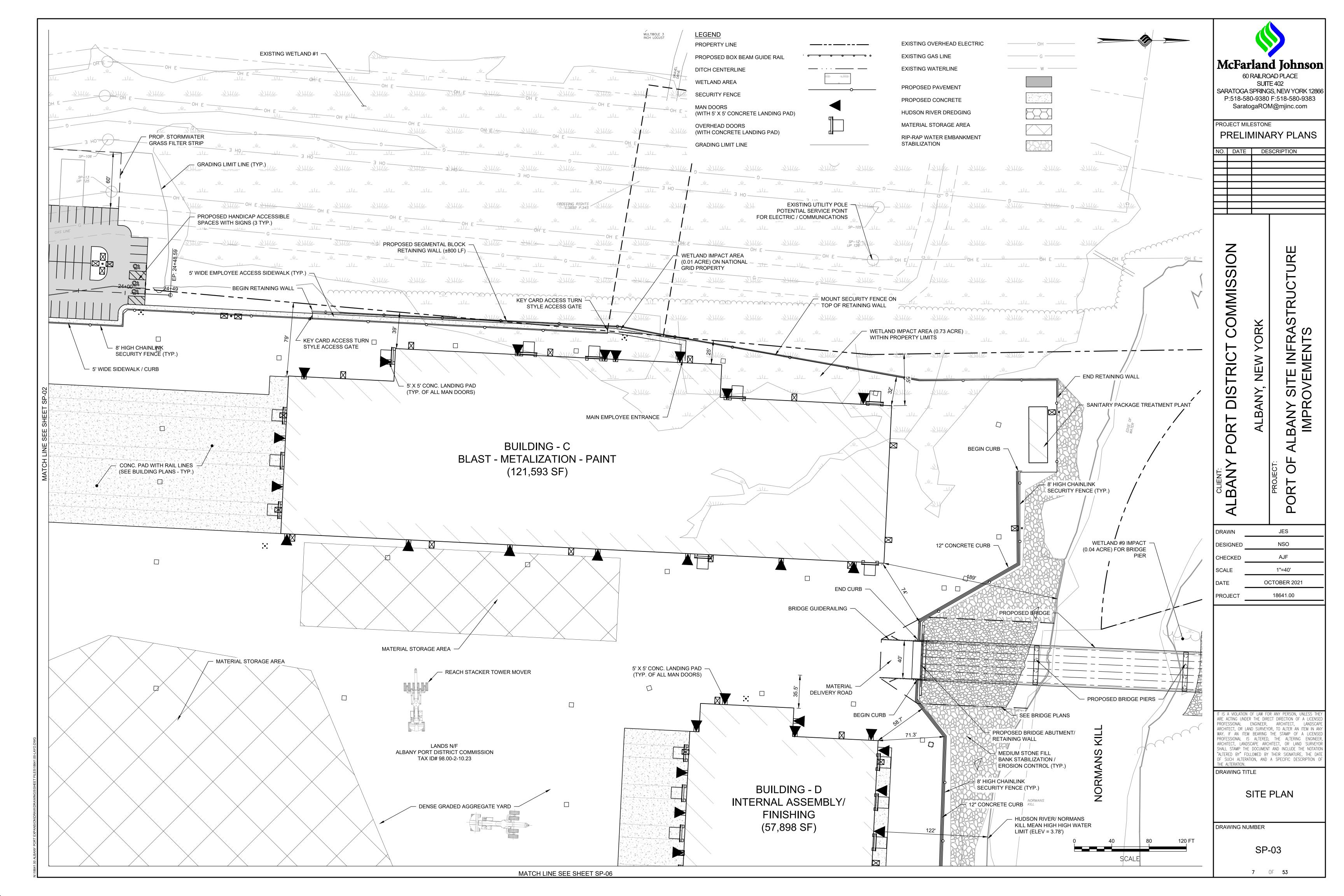
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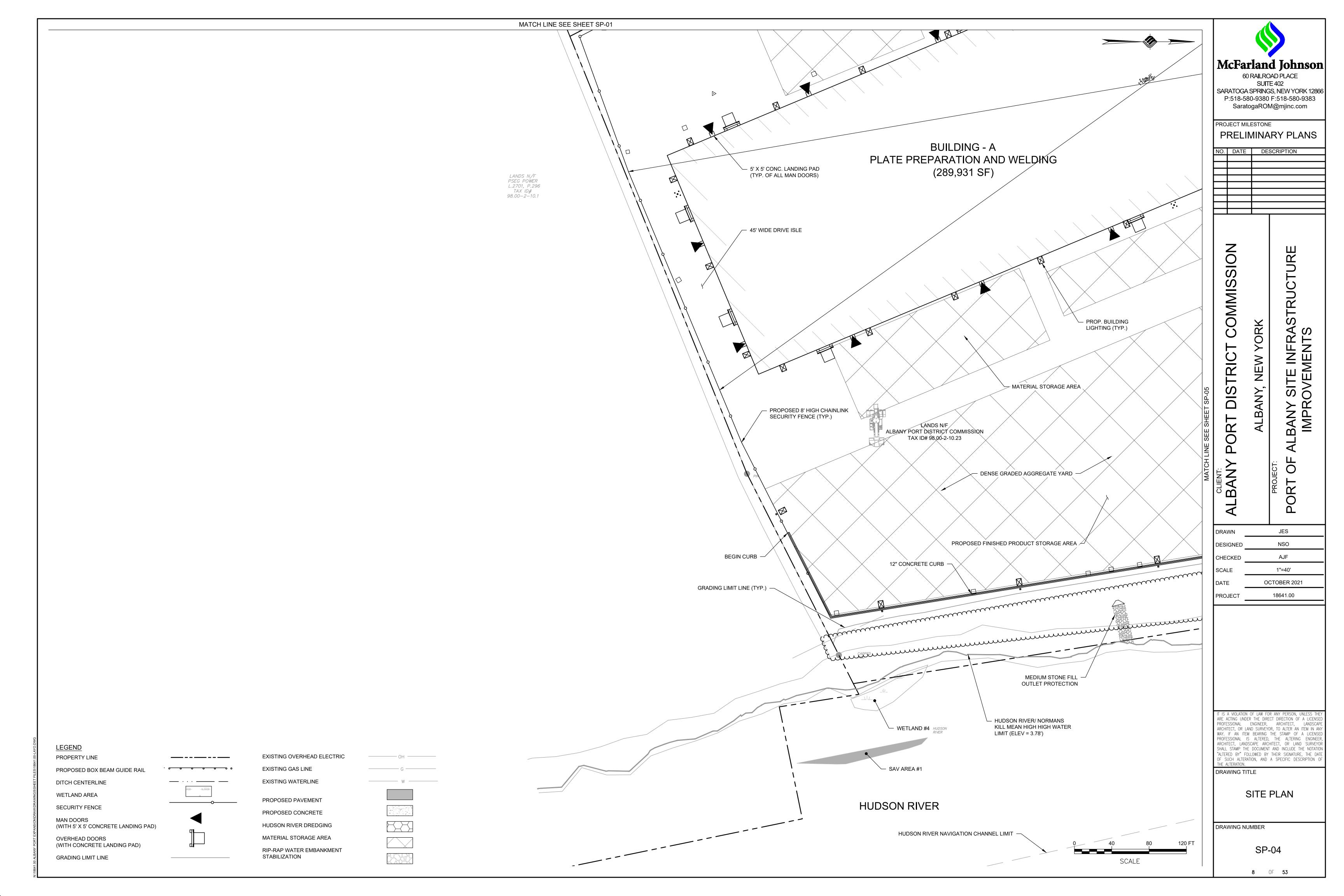


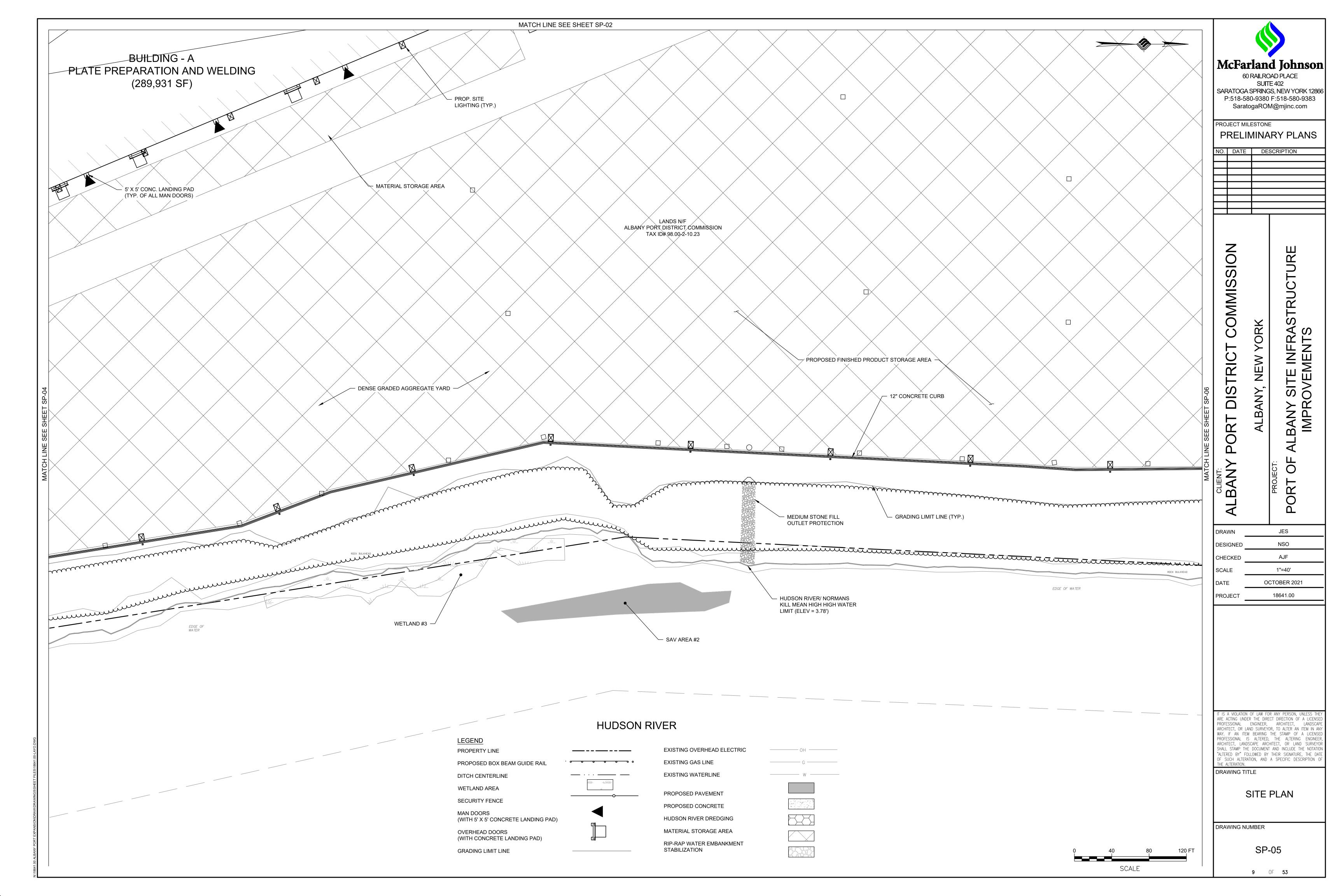


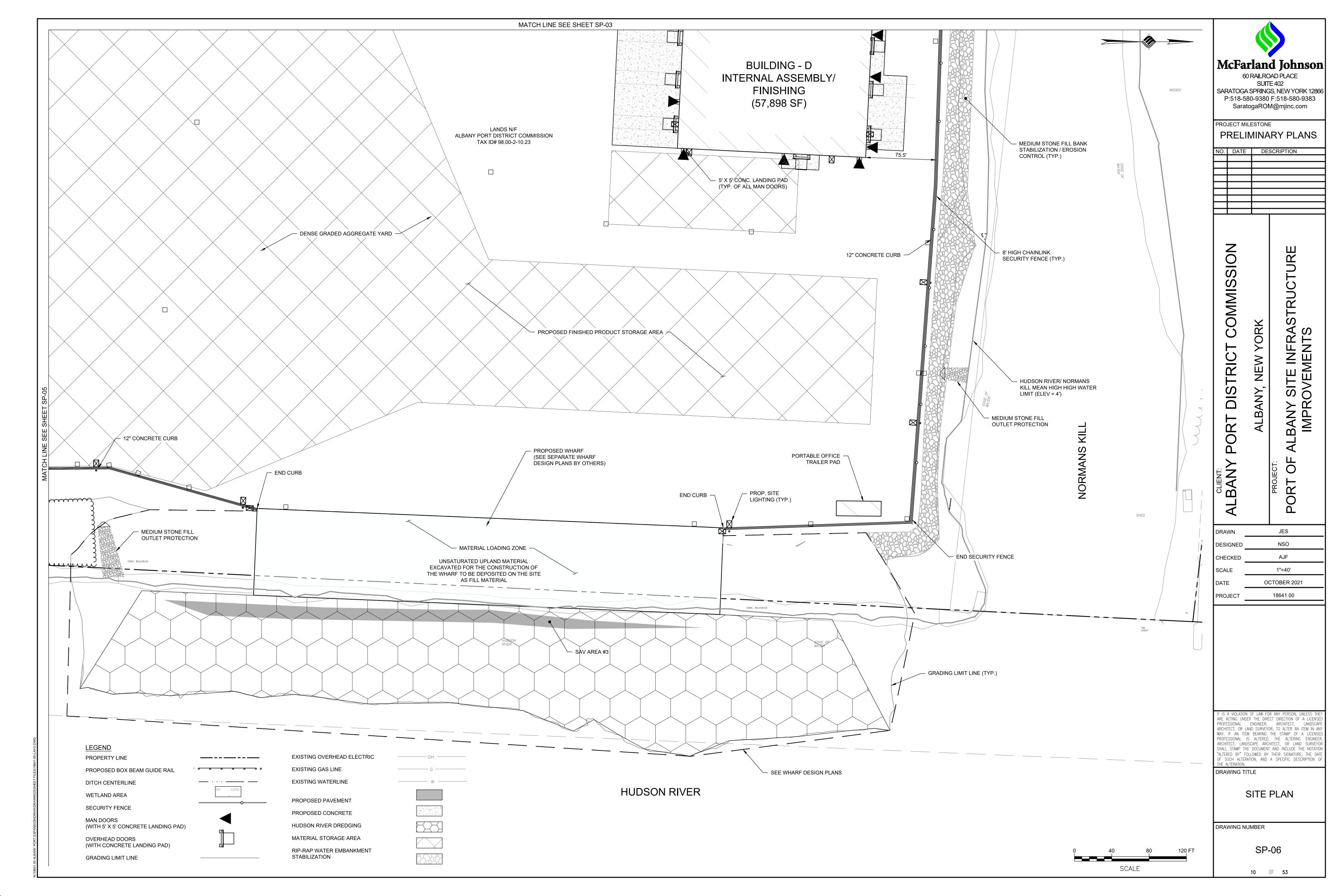


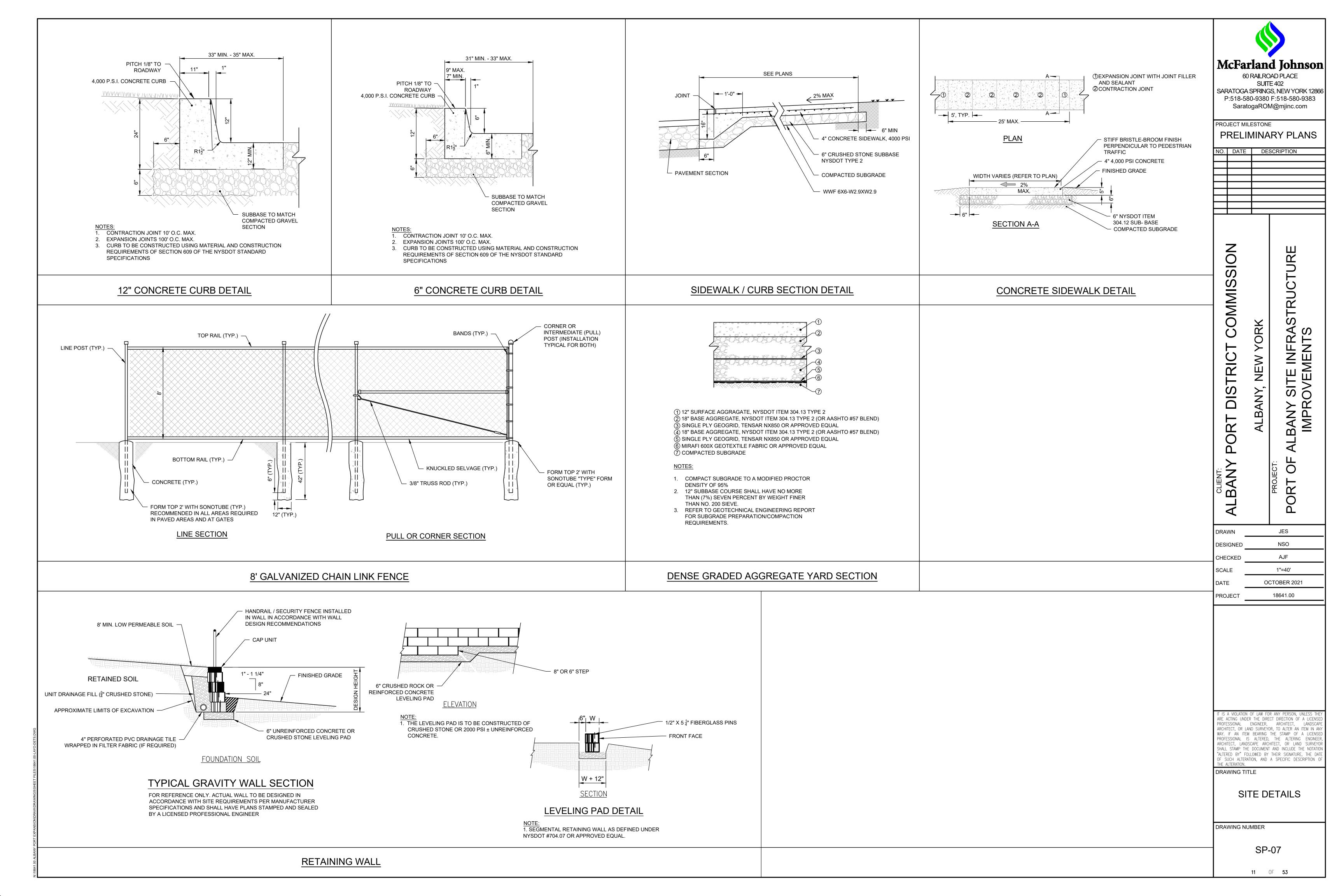


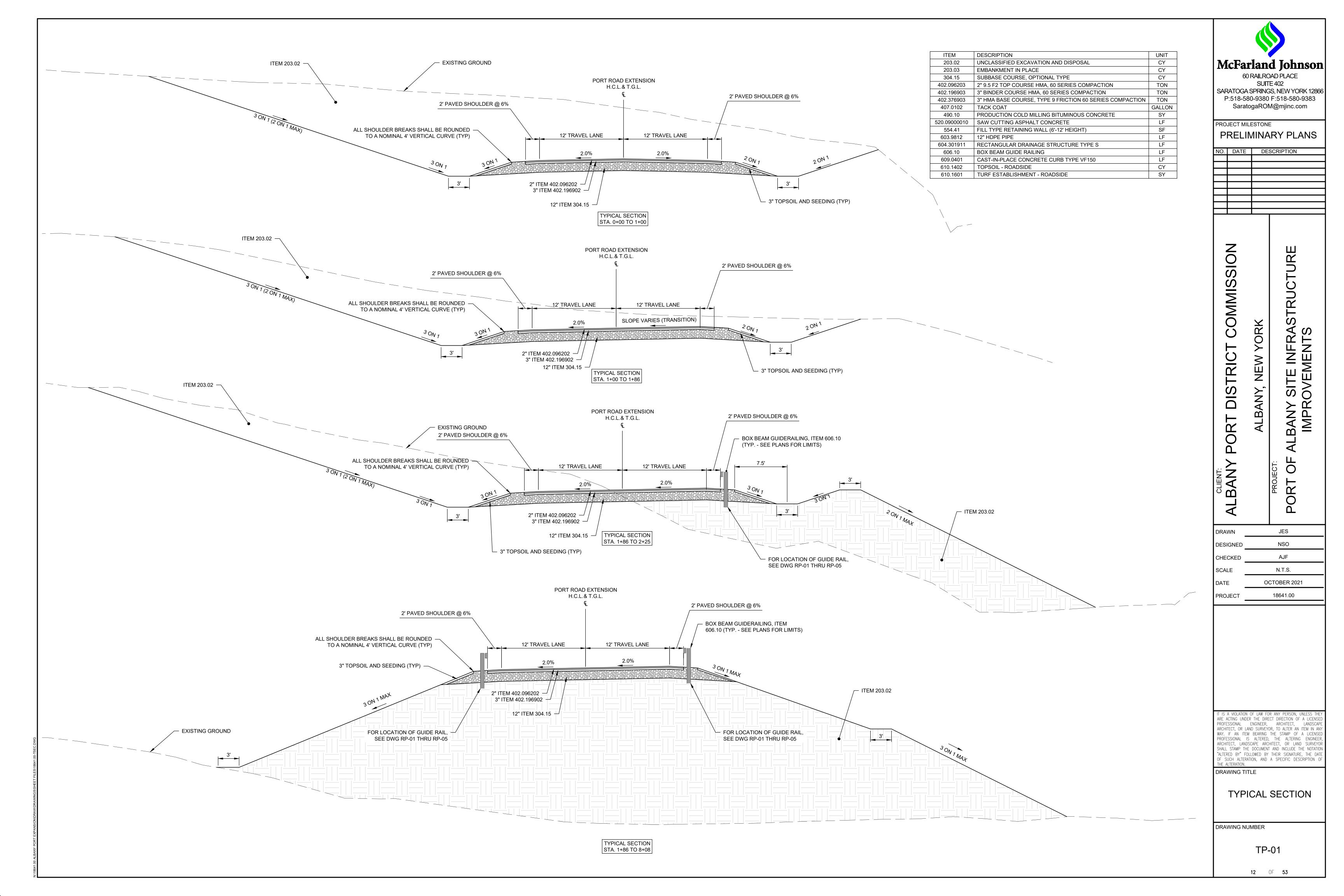




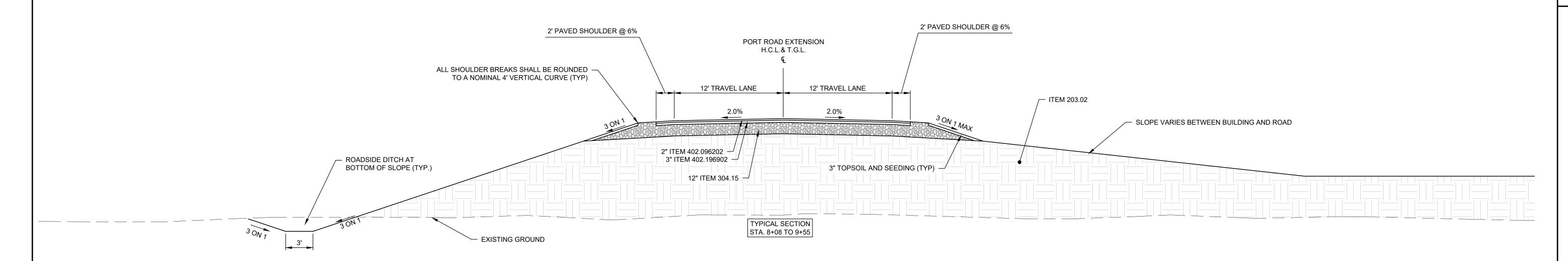


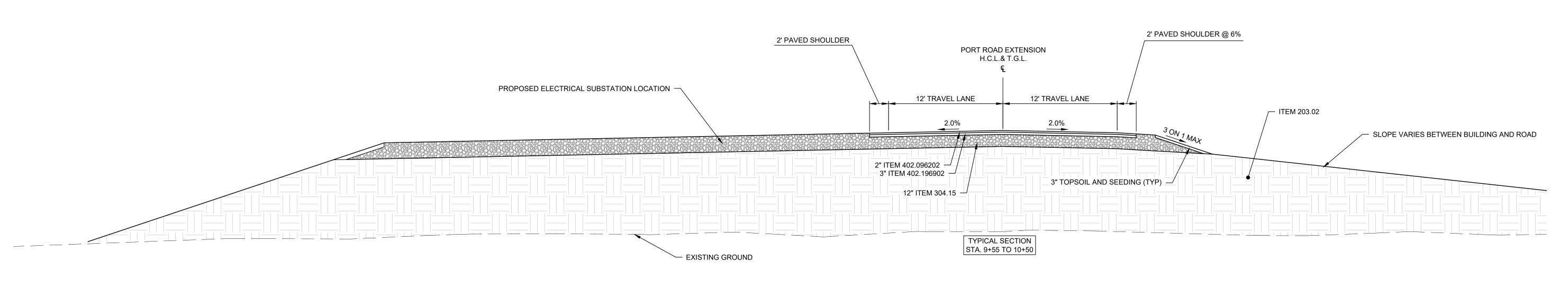






ITEM	DESCRIPTION	UNIT
203.02	UNCLASSIFIED EXCAVATION AND DISPOSAL	CY
203.03	EMBANKMENT IN PLACE	CY
304.15	SUBBASE COURSE, OPTIONAL TYPE	CY
402.096203	2" 9.5 F2 TOP COURSE HMA, 60 SERIES COMPACTION	TON
402.196903	3" BINDER COURSE HMA, 60 SERIES COMPACTION	TON
402.376903	3" HMA BASE COURSE, TYPE 9 FRICTION 60 SERIES COMPACTION	TON
407.0102	TACK COAT	GALLON
490.10	PRODUCTION COLD MILLING BITUMINOUS CONCRETE	SY
520.09000010	SAW CUTTING ASPHALT CONCRETE	LF
554.41	FILL TYPE RETAINING WALL (6'-12' HEIGHT)	SF
603.9812	12" HDPE PIPE	LF
604.301911	RECTANGULAR DRAINAGE STRUCTURE TYPE S	LF
606.10	BOX BEAM GUIDE RAILING	LF
609.0401	CAST-IN-PLACE CONCRETE CURB TYPE VF150	LF
610.1402	TOPSOIL - ROADSIDE	CY
610.1601	TURF ESTABLISHMENT - ROADSIDE	SY





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

PRELIMINARY PLANS

NO.	DATE	DESCRIPTION

ALBANY PORT DISTRICT COMMISSION ALBANY, NEW YORK

DESIGNED NSO

CHECKED AJF

SCALE N.T.S.

DATE OCTOBER 2021

PROJECT 18641.00

JES

DRAWN

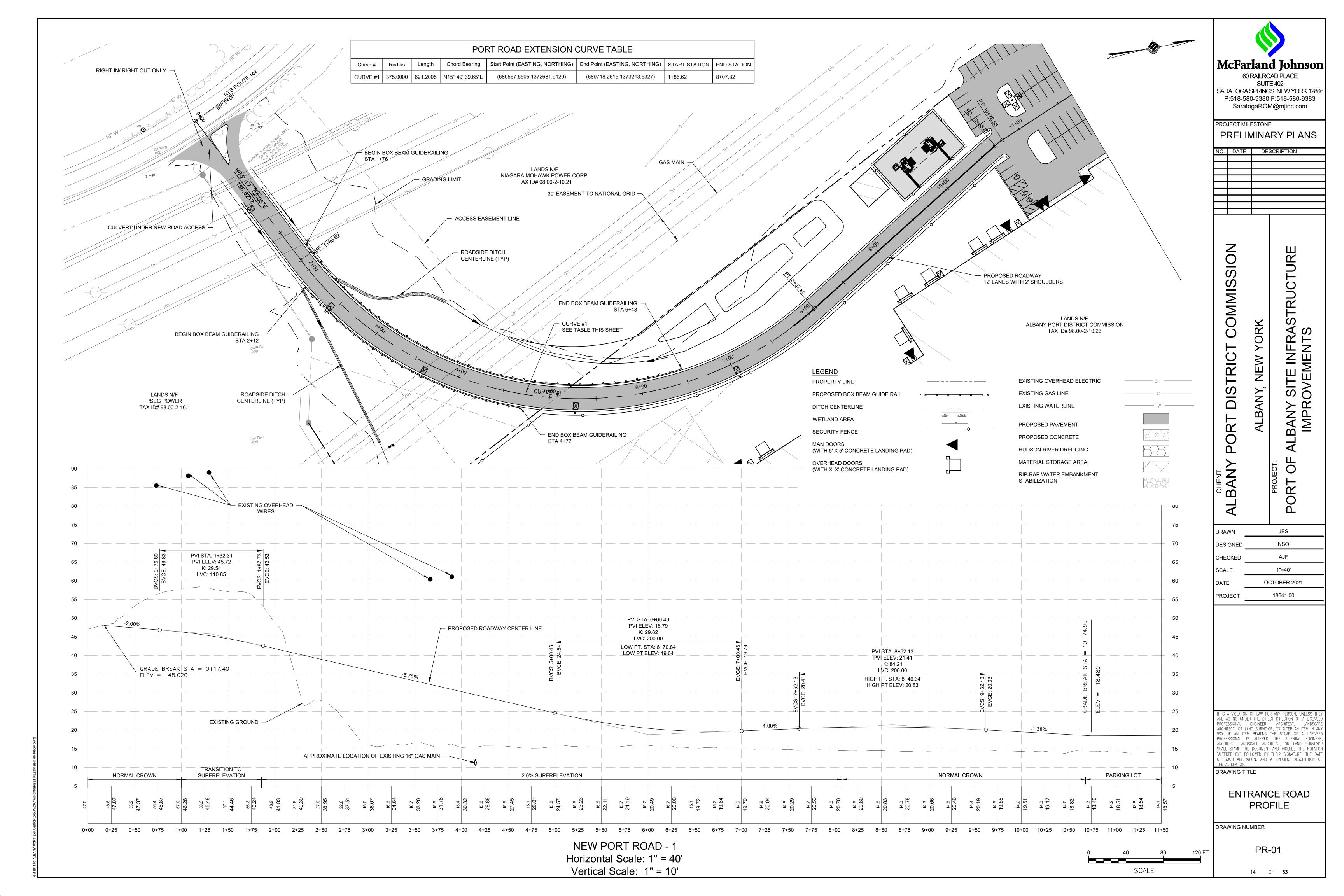
IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECT DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, 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.

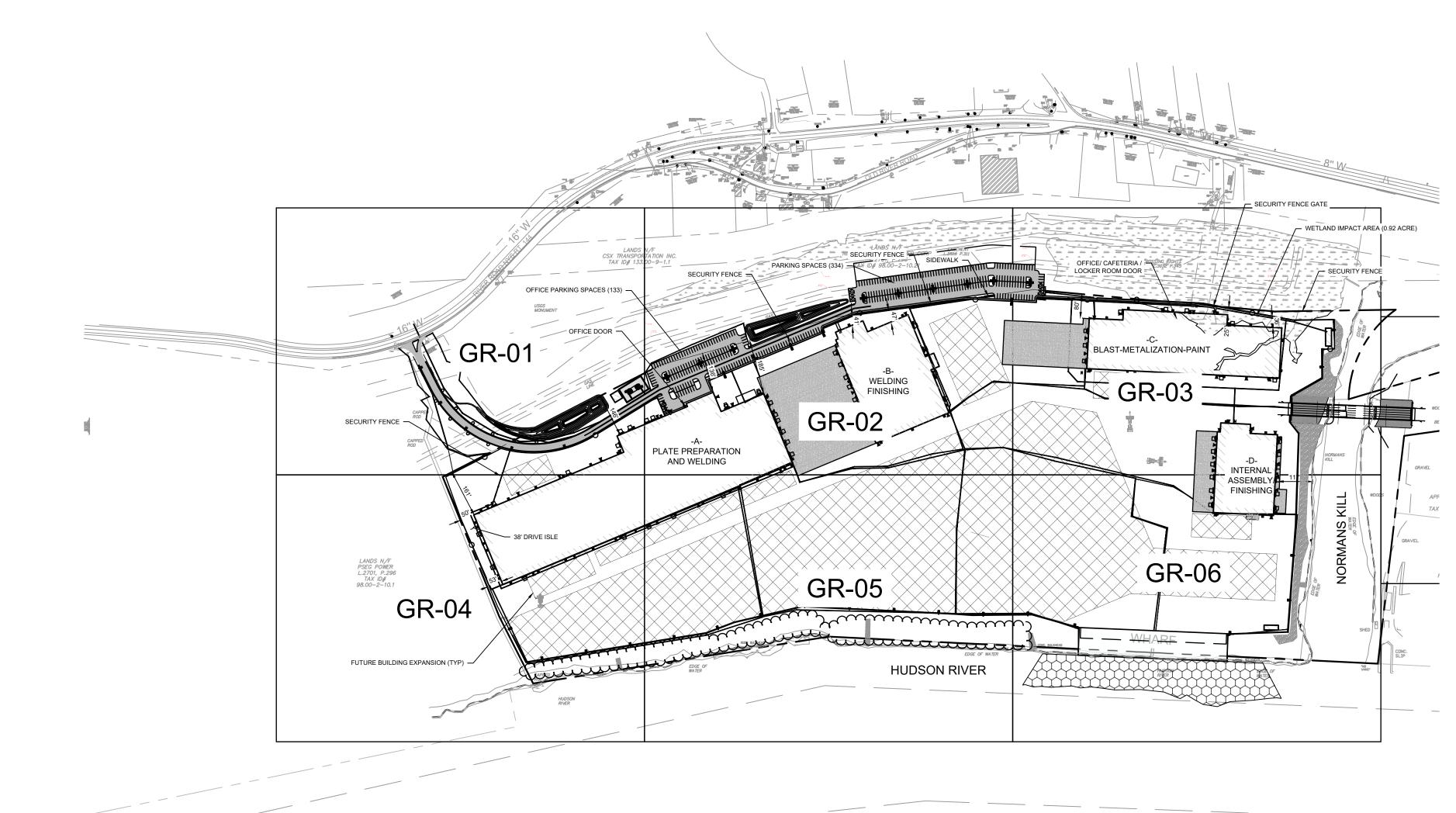
DRAWING TITLE

TYPICAL SECTION

DRAWING NUMBER

TP-02





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 TOWN OF BETHLEHEM REQUIREMENTS.
- 5. ALL INLETS TO THE STORM SEWER SHALL HAVE STONE DROP INLET PROTECTION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING BEST MANAGEMENT PRACTICES (BMP'S) UNTIL GROUND COVER IS ESTABLISHED.
- 6. SILT FENCE, JUTE MESH, AND/OR EROSION CONTROL BLANKETS WILL BE USED ON STEEP SLOPES AND WHEREVER NECESSARY TO CONTROL EROSION AND SILTATION OF EXISTING DRAINAGE SYSTEMS AS ORDERED BY THE ENGINEER OR SPECIFIED ON PLANS.
- 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.

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.

LEGEND PROPERTY LINE WETLAND AREA

STORAGE AREA

DREDGING AREA PAVEMENT AREA

CONCRETE AREA



SUITE 402 SARATOGA SPRINGS, NEW YORK 12866 P:518-580-9380 F:518-580-9383 SaratogaROM@mjinc.com PROJECT MILESTONE PRELIMINARY PLANS

NO.	DATE	DESCRIPTION
		_

COMMISSION DISTRICT m

DRAWN JES NSO DESIGNED AJF CHECKED SCALE 1"=250' OCTOBER 2021 PROJECT 18641.00

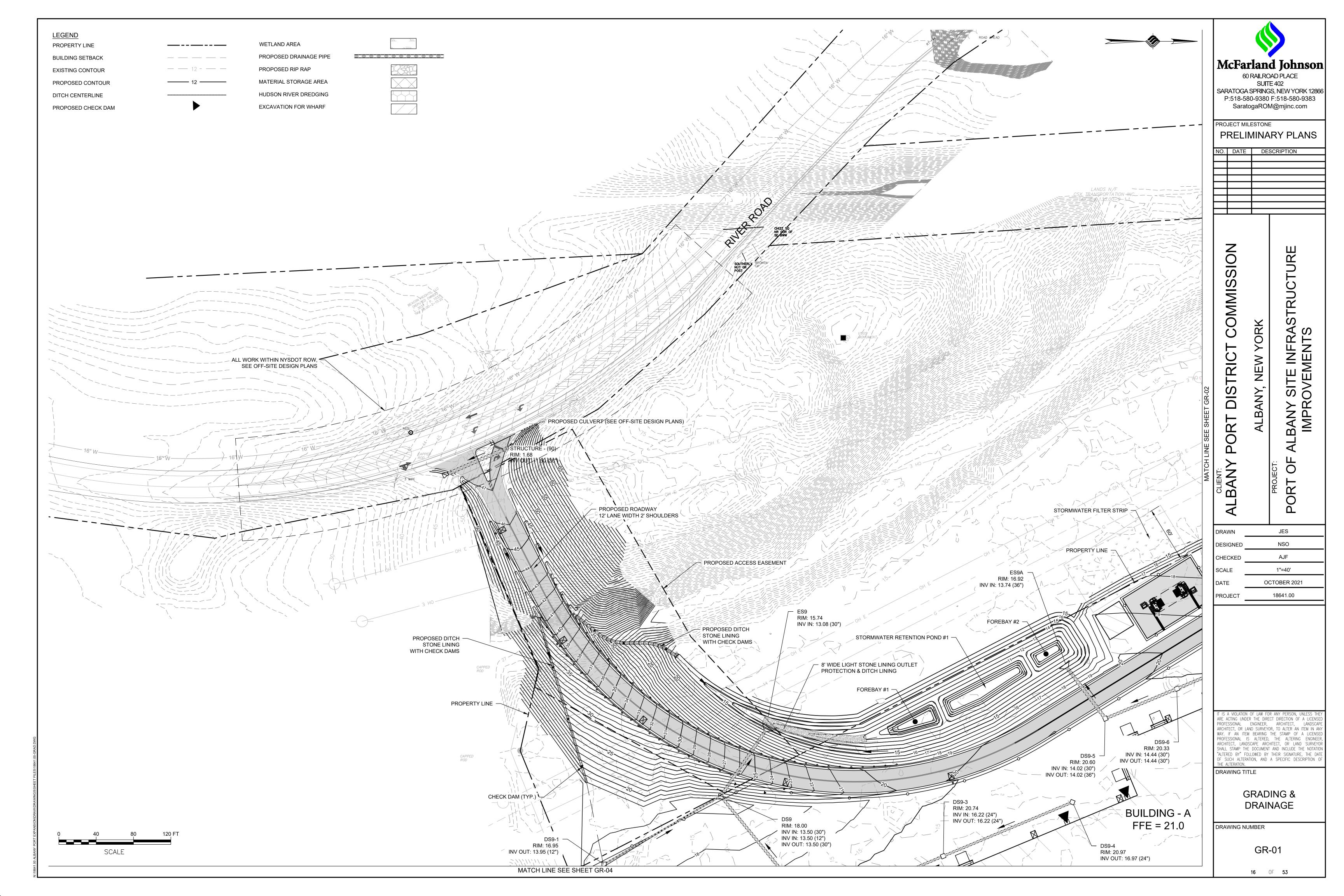
ARE ACTING UNDER THE DIRECT DIRECTION OF A LICENSEL PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSE PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP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

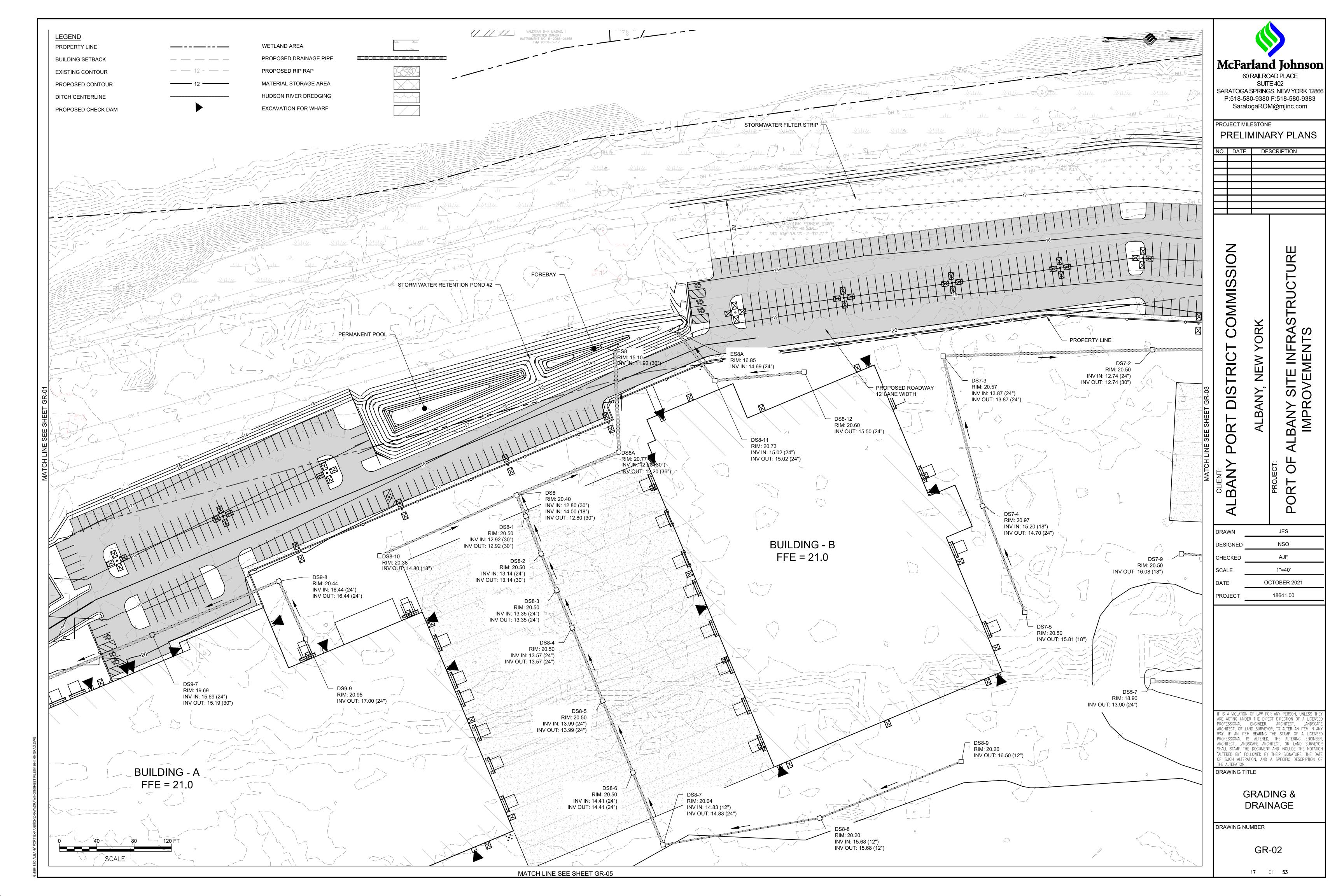
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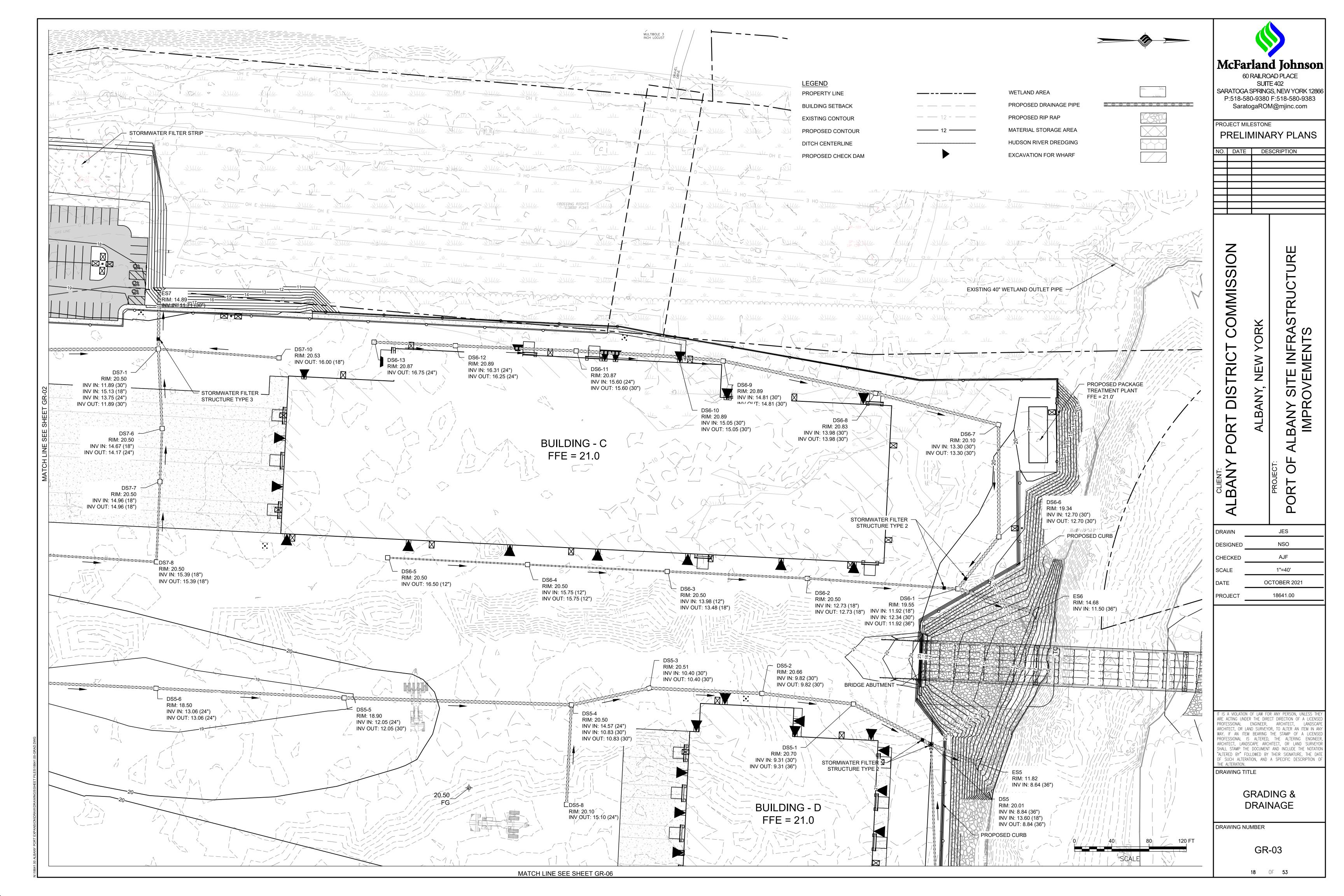
GRADING, DRAINAGE **NOTES & INDEX**

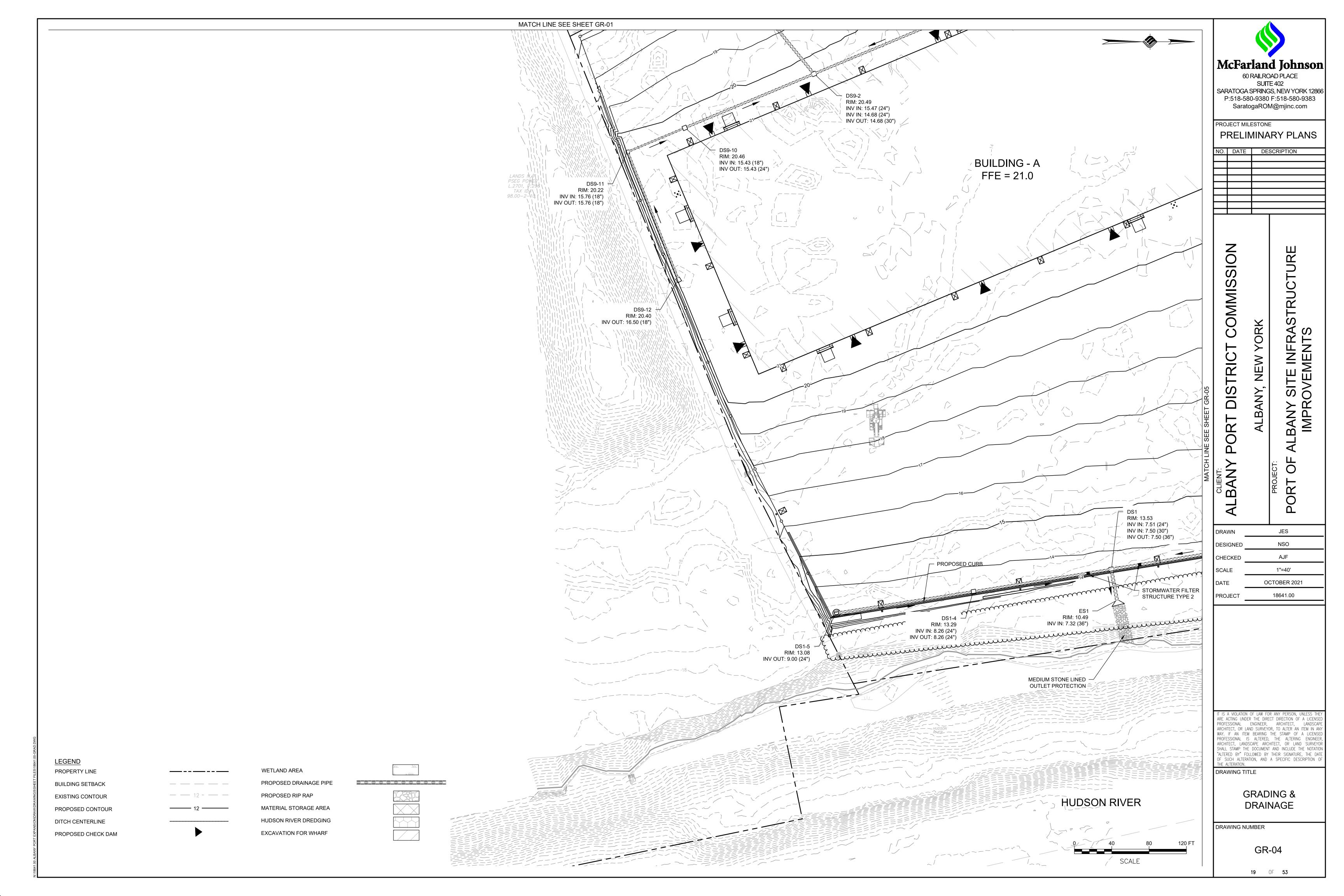
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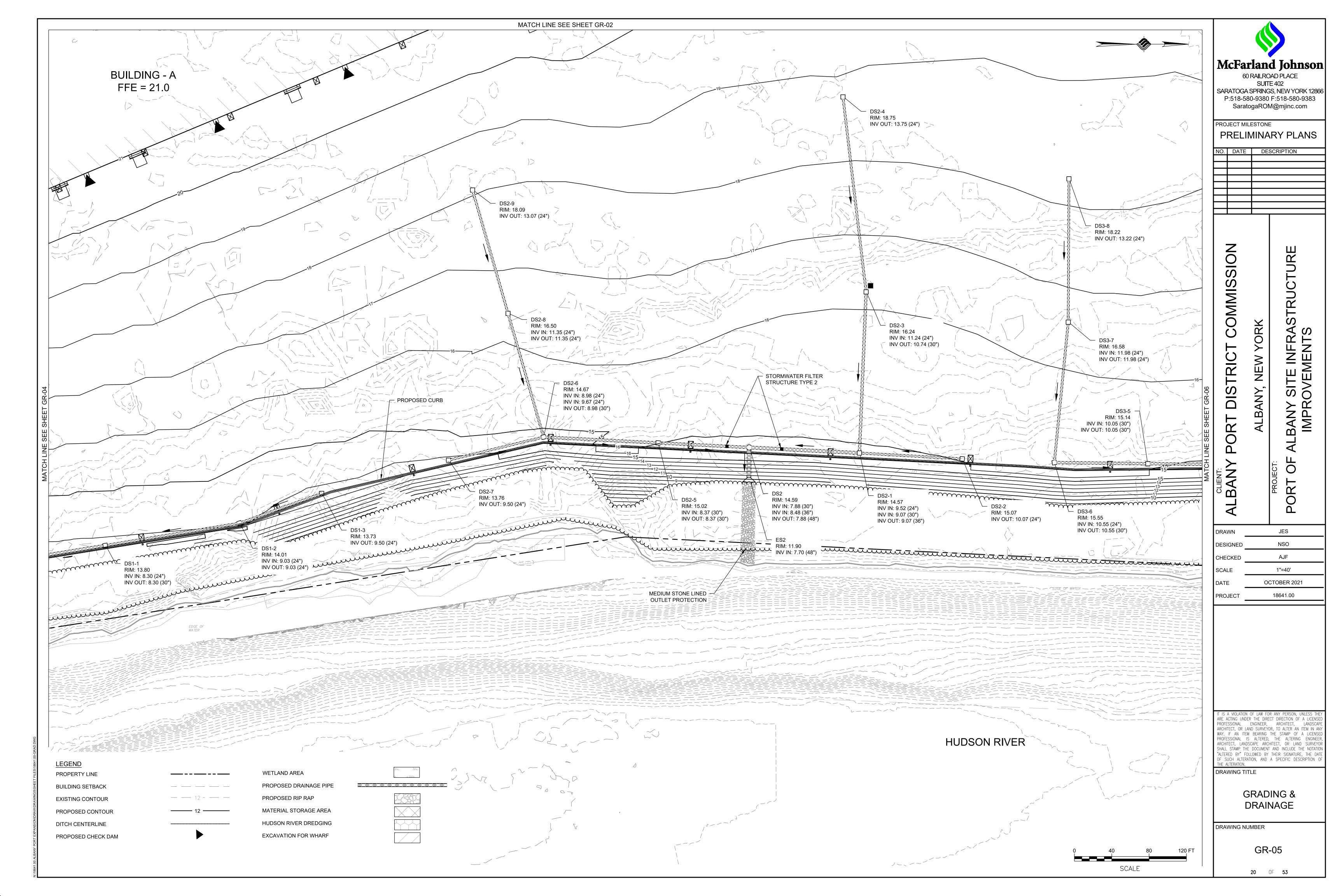
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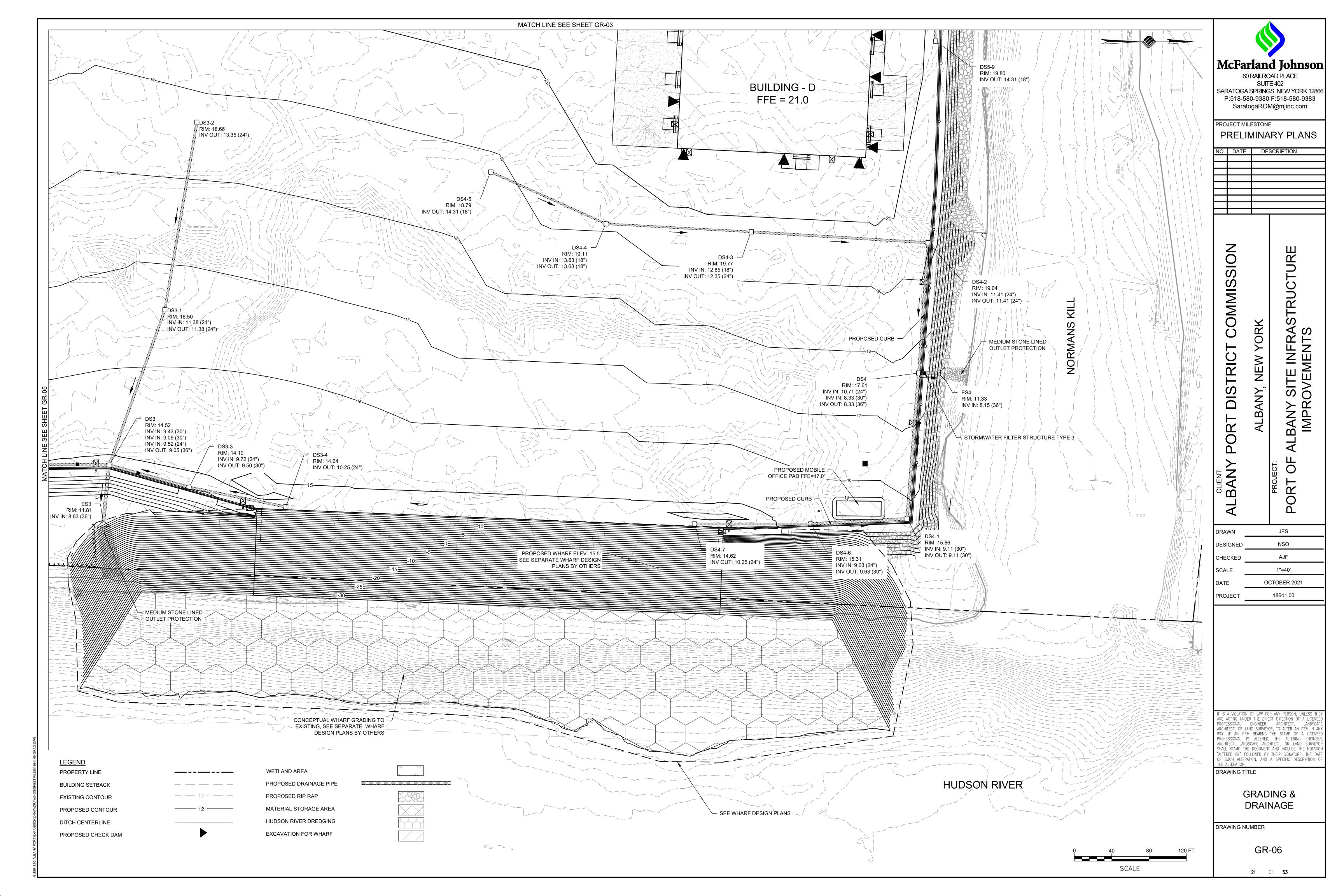












STRUCTURE TABLE NETWORK 1 STRUCTURE | RIM | INV(S) IN | INV OUT NORTHING EASTING 13.53 7.50 RECT. DRAINAGE INLET 1373291.69 | 690442.31 8.30 DS1-1 RECT. DRAINAGE INLET 1373449.84 | 690416.79 13.80 8.30 DS1-2 14.01 9.03 9.03 RECT. DRAINAGE INLET 1373593.64 | 690392.84 DS1-3 13.73 9.50 RECT. DRAINAGE INLET 1373681.77 | 690361.00 1373144.24 | 690466.19 DS1-4 13.29 8.26 8.26 RECT. DRAINAGE INLET 13.08 9.00 RECT. DRAINAGE INLET 1372997.40 690489.11 DS1-5 CMP Rectangular End Section | 1373297.91 | 690475.63 10.49 7.32 ES1

NETWORK 2								
STRUCTURE	RIM	INV(S) IN	INV OUT	TYPE	NORTHING	EASTING		
DS2	14.59	7.88 8.48	7.88	RECT. DRAINAGE INLET	1374139.82	690311.76		
DS2-1	14.57	9.52 9.07	9.07	RECT. DRAINAGE INLET	1374257.92	690317.71		
DS2-2	15.07		10.07	RECT. DRAINAGE INLET	1374367.98	690323.93		
DS2-3	16.24	11.24	10.74	RECT. DRAINAGE INLET	1374265.05	690145.10		
DS2-4	18.75		13.75	RECT. DRAINAGE INLET	1374240.25	689936.17		
DS2-5	15.02	8.37	8.37	RECT. DRAINAGE INLET	1374042.18	690306.87		
DS2-6	14.67	8.98 9.67	8.98	RECT. DRAINAGE INLET	1373919.51	690300.58		
DS2-7	13.76		9.50	RECT. DRAINAGE INLET	1373817.59	690325.39		
DS2-8	16.50	11.35	11.35	RECT. DRAINAGE INLET	1373881.39	690168.12		
DS2-9	18.09		13.07	RECT. DRAINAGE INLET	1373843.35	690035.92		
ES2	11.90	7.70		CMP Rectangular End Section	1374139.47	690343.73		

NETWORK 3								
STRUCTURE	RIM	INV(S) IN	INV OUT	TYPE	NORTHING	EASTING		
DS3	14.52	9.43 9.06 9.52	9.05	RECT. DRAINAGE INLET	1374689.95	690330.61		
DS3-1	16.50	11.38	11.38	RECT. DRAINAGE INLET	1374749.79	690164.22		
DS3-2	18.66		13.35	RECT. DRAINAGE INLET	1374784.09	689963.21		
DS3-3	14.10	9.72	9.50	RECT. DRAINAGE INLET	1374775.70	690354.33		
DS3-4	14.64		10.25	RECT. DRAINAGE INLET	1374879.33	690375.41		
DS3-5	15.14	10.05	10.05	RECT. DRAINAGE INLET	1374566.95	690329.14		
DS3-6	15.55	10.55	10.55	RECT. DRAINAGE INLET	1374466.69	690327.94		
DS3-7	16.58	11.98	11.98	RECT. DRAINAGE INLET	1374481.61	690177.53		
DS3-8	18.22		13.22	RECT. DRAINAGE INLET	1374482.36	690023.98		
ES3	11.81	8.63		CMP Rectangular End Section	1374683.80	690391.72		

NETWORK 4								
STRUCTURE	RIM	INV(S) IN	INV OUT	TYPE	NORTHING	EASTING		
DS4	17.61	10.71 8.33	8.33	RECT. DRAINAGE INLET	1375557.34	690231.96		
DS4-1	15.86	9.11	9.11	RECT. DRAINAGE INLET	1375544.91	690388.18		
DS4-2	19.04	11.41	11.41	RECT. DRAINAGE INLET	1375567.28	690092.37		
DS4-3	19.77	12.85	12.35	RECT. DRAINAGE INLET	1375378.09	690080.72		
DS4-4	19.11	13.63	13.63	RECT. DRAINAGE INLET	1375222.43	690072.18		
DS4-5	18.79		14.31	RECT. DRAINAGE INLET	1375098.98	690016.64		
DS4-6	15.31	9.63	9.63	RECT. DRAINAGE INLET	1375441.73	690393.71		
DS4-7	14.62		10.25	RECT. DRAINAGE INLET	1375316.98	690393.68		
ES4	11.33	8.15		CMP Rectangular End Section	1375580.32	690232.65		
			1	NETWORK 5				
STRUCTURE	RIM	INV(S) IN	INV OUT	TYPE	NORTHING	EASTING		
DS5	20.01	8.84 13.60	8.84	RECT. DRAINAGE INLET	1375570.49	689733.97		
DS5-1	20.70	9.31	9.31	RECT. DRAINAGE INLET	1375487.52	689690.63		
DS5-2	20.66	9.82	9.82	RECT. DRAINAGE INLET	1375389.41	689679.32		
DS5-3	20.51	10.40	10.40	RECT. DRAINAGE INLET	1375268.69	689673.63		
DS5-4	20.50	14.57 10.83	10.83	RECT. DRAINAGE INLET	1375185.29	689691.50		

CMP Rectangular End Section | 1375617.77 | 689753.05

1374941.78 | 689684.09

1374740.25 | 689673.81

1374572.38 | 689665.83

1375180.02 | 689798.34 |

1375575.43 | 689876.39

RECT. DRAINAGE INLET

18.50

18.90

20.10

19.80

11.82

18.90 12.05

13.06

8.64

12.05

13.06

13.90

15.10

14.31

DS5-5

DS5-6

DS5-7

DS5-8

DS5-9

ES5

STRUCTURE TABLE CONT.									
NETWORK 6									
STRUCTURE	RIM	INV(S) IN	INV OUT	TYPE	NORTHING	EASTING			
DS6-1	19.55	11.92 12.34	11.92	RECT. DRAINAGE INLET	1375599.17	689567.21			
DS6-2	20.50	12.73	12.73	RECT. DRAINAGE INLET	1375438.05	689556.03			
DS6-3	20.50	13.98	13.48	RECT. DRAINAGE INLET	1375287.96	689548.63			
DS6-4	20.50	15.75	15.75	RECT. DRAINAGE INLET	1375138.37	689541.25			
DS6-5	20.50		16.50	RECT. DRAINAGE INLET	1374988.45	689533.87			
DS6-6	19.34	12.70	12.70	RECT. DRAINAGE INLET	1375643.33	689511.51			
DS6-7	20.11	13.30	13.30	RECT. DRAINAGE INLET	1375642.95	689391.32			
DS6-8	20.86	13.98	13.98	RECT. DRAINAGE INLET	1375511.21	689357.67			
DS6-9	20.94	14.81	14.81	RECT. DRAINAGE INLET	1375347.89	689323.09			
DS6-10	20.93	15.05	15.05	RECT. DRAINAGE INLET	1375299.74	689318.81			
DS6-11	20.90	15.60	15.60	RECT. DRAINAGE INLET	1375190.39	689312.29			
DS6-12	20.92	16.31	16.25	RECT. DRAINAGE INLET	1375061.02	689306.74			
DS6-13	20.87		16.75	RECT. DRAINAGE INLET	1374973.87	689302.89			
ES6	14.68	11.50		CMP Rectangular End Section	1375679.56	689592.15			

NETWORK 7									
STRUCTURE	RIM	INV(S) IN	INV OUT	TYPE	NORTHING	EASTING			
DS7-1	20.50	11.89 15.13 13.75	11.89	RECT. DRAINAGE INLET	1374742.73	689310.29			
DS7-2	20.50	12.74	12.74	RECT. DRAINAGE INLET	1374571.78	689311.10			
DS7-3	20.57	13.87	13.87	RECT. DRAINAGE INLET	1374347.54	689317.79			
DS7-4	20.97	15.20	14.70	RECT. DRAINAGE INLET	1374389.86	689478.22			
DS7-5	20.50		15.81	RECT. DRAINAGE INLET	1374435.02	689592.48			
DS7-6	20.50	14.67	14.17	RECT. DRAINAGE INLET	1374746.87	689395.47			
DS7-7	20.50	14.96	14.96	RECT. DRAINAGE INLET	1374744.43	689452.51			
DS7-8	20.50	15.39	15.39	RECT. DRAINAGE INLET	1374740.71	689538.37			
DS7-9	20.50		16.08	RECT. DRAINAGE INLET	1374602.76	689529.78			
DS7-10	20.54		16.00	RECT. DRAINAGE INLET	1374872.04	689319.75			
ES7	14.89	11.71		CMP Rectangular End Section	1374743.63	689249.84			

	NETWORK 8									
STRUCTURE	RIM	INV(S) IN	INV OUT	TYPE	NORTHING	EASTING				
DS8	20.40	12.80 14.00	12.80	RECT. DRAINAGE INLET	1373890.52	689466.77				
DS8-1	20.50	12.92	12.92	RECT. DRAINAGE INLET	1373900.43	689489.27				
DS8-2	20.50	13.14	13.14	RECT. DRAINAGE INLET	1373916.96	689529.88				
DS8-3	20.50	13.35	13.35	RECT. DRAINAGE INLET	1373933.50	689568.85				
DS8-4	20.50	13.57	13.57	RECT. DRAINAGE INLET	1373950.23	689608.94				
DS8-5	20.50	13.99	13.99	RECT. DRAINAGE INLET	1373982.78	689687.04				
DS8-6	20.50	14.41	14.41	RECT. DRAINAGE INLET	1374015.32	689764.21				
DS8-7	20.04	14.83	14.83	RECT. DRAINAGE INLET	1374047.44	689841.46				
DS8-8	20.18	15.68	15.68	RECT. DRAINAGE INLET	1374215.20	689812.83				
DS8-9	20.26		16.50	RECT. DRAINAGE INLET	1374366.78	689752.27				
DS8-10	20.38		14.80	RECT. DRAINAGE INLET	1373744.03	689531.77				
DS8A	20.78	12.20	12.20	RECT. DRAINAGE INLET	1374000.31	689420.68				
ES8	15.10	11.92		CMP Rectangular End Section	1373995.83	689311.98				

			1	NETWORK 8A		
STRUCTURE	RIM	INV(S) IN	INV OUT	TYPE	NORTHING	EASTING
DS8-11	20.78	15.02	15.02	RECT. DRAINAGE INLET	1374103.21	689344.18
DS8-12	20.63		15.50	RECT. DRAINAGE INLET	1374198.65	689334.95
ES8A	16.85	14.69		CMP Rectangular End Section	1374062.65	689292.21
			١	NETWORK 9		
STRUCTURE	RIM	INV(S) IN	INV OUT	TYPE	NORTHING	EASTING
DS9	18.00	13.50 13.50	13.50	RECT. DRAINAGE INLET	1372873.33	689789.26
DS9-1	16.95		13.95	RECT. DRAINAGE INLET	1372748.28	689862.23
DS9-2	20.49	15.47 14.68	14.68	RECT. DRAINAGE INLET	1372973.17	689911.51
DS9-3	20.74	16.22	16.22	RECT. DRAINAGE INLET	1373111.57	689853.67
DS9-4	20.97		16.97	RECT. DRAINAGE INLET	1373249.98	689795.84
DS9-10	20.46	15.43	15.43	RECT. DRAINAGE INLET	1372834.77	689969.34
DS9-11	20.22	15.76	15.76	RECT. DRAINAGE INLET	1372773.68	689994.96
DS9-12	20.40		16.50	RECT. DRAINAGE INLET	1372828.17	690132.28
ES9	15.74	13.08		CMP Rectangular End Section	1372920.96	689719.61

		STR	UCTU	RE TABLE CON	T.	
			١	NETWORK 9A		
STRUCTURE	RIM	INV(S) IN	INV OUT	TYPE	NORTHING	EASTING
DS9-5	20.60	14.02	14.02	RECT. DRAINAGE INLET	1373285.39	689706.26
DS9-6	20.33	14.44	14.44	RECT. DRAINAGE INLET	1373362.11	689674.20
DS9-7	19.69	15.69	15.19	RECT. DRAINAGE INLET	1373500.13	689616.53
DS9-8	20.44	16.44	16.44	RECT. DRAINAGE INLET	1373635.87	689558.88
DS9-9	20.95		17.00	RECT. DRAINAGE INLET	1373664.53	689620.99
ES9A	16.92	13.74		CMP Rectangular End Section	1373244.70	689652.23

			NETWO	 RK 1		
			INETVVO	KK I	FDOM	
NAME	SIZE	LENGTH	SLOPE	MATERIAL	FROM STRC	ST
DP1	36"	33.89'	0.54%	SICPP	DS1	E:
DP1-1	30"	160.20'	0.50%	SICPP	DS1-1	D
DP1-2	24"	145.78'	0.50%	SICPP	DS1-2	DS
DP1-3	24"	93.70'	0.50%	SICPP	DS1-3	DS
DP1-4	24"	149.38'	0.50%	SICPP	DS1-4	D
DP1-5	24"	148.61'	0.50%	SICPP	DS1-5	DS
	_	Г	NETWO	RK 2		
NAME	SIZE	LENGTH	SLOPE	MATERIAL	FROM STRC	T ST
DP2	48"	31.98'	0.57%	SICPP	DS2	E:
DP2-1	36"	118.26'	0.50%	SICPP	DS2-1	D:
DP2-2	24"	110.23'	0.50%	SICPP	DS2-2	DS
DP2-3	30"	172.76'	0.97%	SICPP	DS2-3	DS
DP2-4	24"	210.39'	1.19%	SICPP	DS2-4	DS
DP2-5	30"	97.76'	0.50%	SICPP	DS2-5	D:
DP2-6	30"	122.84'	0.50%	SICPP	DS2-6	DS
DP2-7	24"	104.90'	0.50%	SICPP	DS2-7	DS
DP2-8	24"	137.83'	1.22%	SICPP	DS2-8	DS
DP2-9	24"	137.57'	1.25%	SICPP	DS2-9	DS
			NETWO	RK 3		
NAME	SIZE	LENGTH	SLOPE	MATERIAL	FROM STRC	T ST
DP3	36"	61.42'	0.68%	SICPP	DS3	E:
DP3-1	24"	176.82'	1.05%	SICPP	DS3-1	D:
DP3-2	24"	203.91'	0.97%	SICPP	DS3-2	DS
DP3-3	30"	88.96'	0.50%	SICPP	DS3-3	D:
DP3-4	24"	105.76'	0.50%	SICPP	DS3-4	DS
DP3-5	30"	123.02'	0.50%	SICPP	DS3-5	D
DP3-6	30"	100.27'	0.50%	SICPP	DS3-6	DS
DP3-7	24"	151.15'	0.95%	SICPP	DS3-7	DS
DP3-8	24"	153.55'	0.81%	SICPP	DS3-8	DS
			NETWO	RK 4		
NAME	SIZE	LENGTH	SLOPE	MATERIAL	FROM	Т
					STRC	ST
DP4	36"	22.98'	0.78%	SICPP	DS4	E:
DP4-1	30"	156.71'	0.50%	SICPP	DS4-1	D:
DP4-2	24"	139.94'	0.50%	SICPP	DS4-2	D:
DP4-3	24"	189.54'	0.50%	SICPP	DS4-3	DS
DP4-4	18"	155.90'	0.50%	SICPP	DS4-4	DS
DP4-5	18"	135.37'	0.50%	SICPP	DS4-5	DS
DP4-6	30"	103.33'	0.50%	SICPP	DS4-6	DS
DP4-7	24"	124.75'	0.50%	SICPP	DS4-7	DS
			NETWO	KK 5	EDO:	_
NAME	SIZE	LENGTH	SLOPE	MATERIAL	FROM STRC	ST
DP5	36"	50.99'	0.39%	SICPP	DS5	E;
DP5-1	36"	93.61'	0.50%	SICPP	DS5-1	D:
DP5-2	30"	98.75'	0.52%	SICPP	DS5-2	DS
	30"	120.86'	0.48%	SICPP	DS5-3	DS
DP5-3	30"	85.30'	0.50%	SICPP	DS5-4	DS
DP5-3 DP5-4			0.50%	SICPP	DS5-5	DS
	30"	243.62'				l
DP5-4	30" 24"	243.62'	0.50%	SICPP	DS5-6	L DS
DP5-4 DP5-5			0.50% 0.50%	SICPP	DS5-6 DS5-7	
DP5-4 DP5-5 DP5-6	24"	201.79'				DS DS DS

		PIPE	TABI	_E CON	Τ	
	<u> </u>		NETWO	RK 6		<u> </u>
NAME	SIZE	LENGTH	SLOPE	MATERIAL	FROM STRC	TO STRC
DP6	36"	84.16'	0.50%	SICPP	DS6-1	ES6
DP6-1	18"	161.51'	0.50%	SICPP	DS6-2	DS6-1
DP6-2	18"	150.27'	0.50%	SICPP	DS6-3	DS6-2
DP6-3	12"	149.77'	1.18%	SICPP	DS6-4	DS6-3
DP6-4	12"	150.11'	0.50%	SICPP	DS6-5	DS6-4
DP6-5	30"	71.08'	0.50%	SICPP	DS6-6	DS6-1
DP6-6 DP6-7	30" 30"	120.19'	0.50%	SICPP	DS6-7 DS6-8	DS6-6
DP6-7 DP6-8	30"	135.97' 166.94'	0.50%	SICPP	DS6-9	DS6-7 DS6-8
DP6-9	30"	48.35'	0.50%	SICPP	DS6-10	DS6-9
DP6-10	30"	109.54'	0.50%	SICPP	DS6-11	DS6-10
DP6-11	24"	129.50'	0.50%	SICPP	DS6-12	DS6-11
DP6-12	24"	87.23'	0.50%	SICPP	DS6-13	DS6-12
	•		NETWO	RK 7		
NAME	SIZE	LENGTH	SLOPE	MATERIAL	FROM STRC	TO STRC
DP7-1	30"	60.45'	0.30%	SICPP	DS7-1	ES7
DP7-2	30"	170.95'	0.50%	SICPP	DS7-2	DS7-1
DP7-3	24"	224.34'	0.50%	SICPP	DS7-3	DS7-2
DP7-4	24"	165.91'	0.50%	SICPP	DS7-4	DS7-3
DP7-5	18"	122.86'	0.50%	SICPP	DS7-5	DS7-4
DP7-6	24"	85.28'	0.50%	SICPP	DS7-6	DS7-1
DP7-7	18"	57.09'	0.50%	SICPP	DS7-7	DS7-6
DP7-8	18"	85.94'	0.50%	SICPP	DS7-8	DS7-7
DP7-9	18"	138.21'	0.50%	SICPP	DS7-9	DS7-8
DP7-10	18"	129.65'	0.67%	SICPP	DS7-10	DS7-1
	ı	r	NETWO	RK 8		
NAME	SIZE	LENGTH	SLOPE	MATERIAL	FROM STRC	TO STRC
DP8	36"	108.80'	0.26%	SICPP	DS8A	ES8
DP8-1	30"	24.59'	0.50%	SICPP	DS8-1	DS8
DP8-2	30"	43.84'	0.50%	SICPP	DS8-2	DS8-1
DP8-3	24"	42.33'	0.50%	SICPP	DS8-3	DS8-2
DP8-4	24"	43.45'	0.50%	SICPP	DS8-4	DS8-3
DP8-5	24"	84.60'	0.50%	SICPP	DS8-5	DS8-4
DP8-6	24"	83.75'	0.50%	SICPP	DS8-6	DS8-5
DP8-7	24" 12"	83.67'	0.50%	SICPP	DS8-7 DS8-8	DS8-6
DP8-8 DP8-9	12"	170.19' 163.23'	0.50%	SICPP	DS8-9	DS8-7 DS8-8
DP8-10	18"	160.26'	0.50%	SICPP	DS8-10	DS8
DP8-11	30"	119.07'	0.50%	SICPP	DS8	DS8A
			NETWO	RK 8A		
NAME	SIZE	LENGTH	SLOPE	MATERIAL	FROM STRC	TO STRC
DP8-11	24"	65.93'	0.50%	SICPP	DS8-11	ES8A
DP8-12	24"	95.89'	0.50%	SICPP	DS8-12	DS8-11
			NETWO	RK 9		
NAME	SIZE	LENGTH	SLOPE	MATERIAL	FROM STRC	TO STRC
DP9	30"	84.38'	0.50%	SICPP	DS9	ES9
DP9-1	12"	144.78'	0.31%	SICPP	DS9-1	DS9
DP9-2	30"	157.84'	0.75%	SICPP	DS9-2	DS9
DP9-3	24"	150.00'	0.50%	SICPP	DS9-3	DS9-2
DP9-4	24"	150.00'	0.50%	SICPP	DS9-4	DS9-3
DP9-10	24"	150.00'	0.50%	SICPP	DS9-10	DS9-2
DP9-11	18"	66.24'	0.50%	SICPP	DS9-11	DS9-10
DP9-12	18"	147.73'	0.50%	SICPP	DS9-12	DS9-11
	<u> </u>		NETWO	KK 9A		
NAME	SIZE	LENGTH	SLOPE	MATERIAL	FROM STRC	TO STRC
DP9-5	36"	67.64'	0.42%	SICPP	DS9-5	ES9A
DP9-6	30"	83.15'	0.50%	SICPP	DS9-6	DS9-5

DP9-7 30"

DP9-8 24"

DP9-9 24"

149.58' 0.50% SICPP

0.51% SICPP

0.82% SICPP

147.47'

68.41'

DS9-7 DS9-6

DS9-8 DS9-7

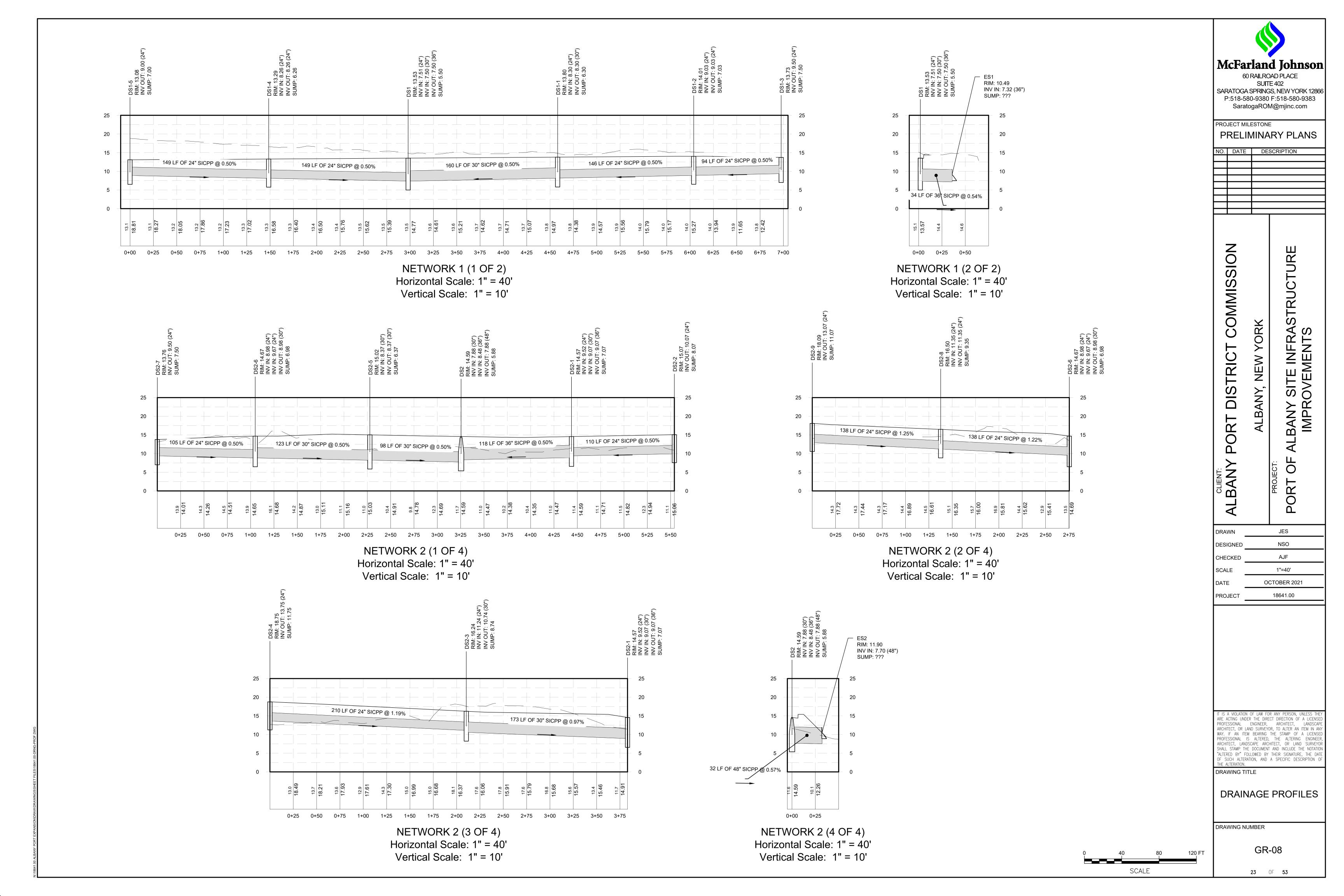
DS9-9 DS9-8

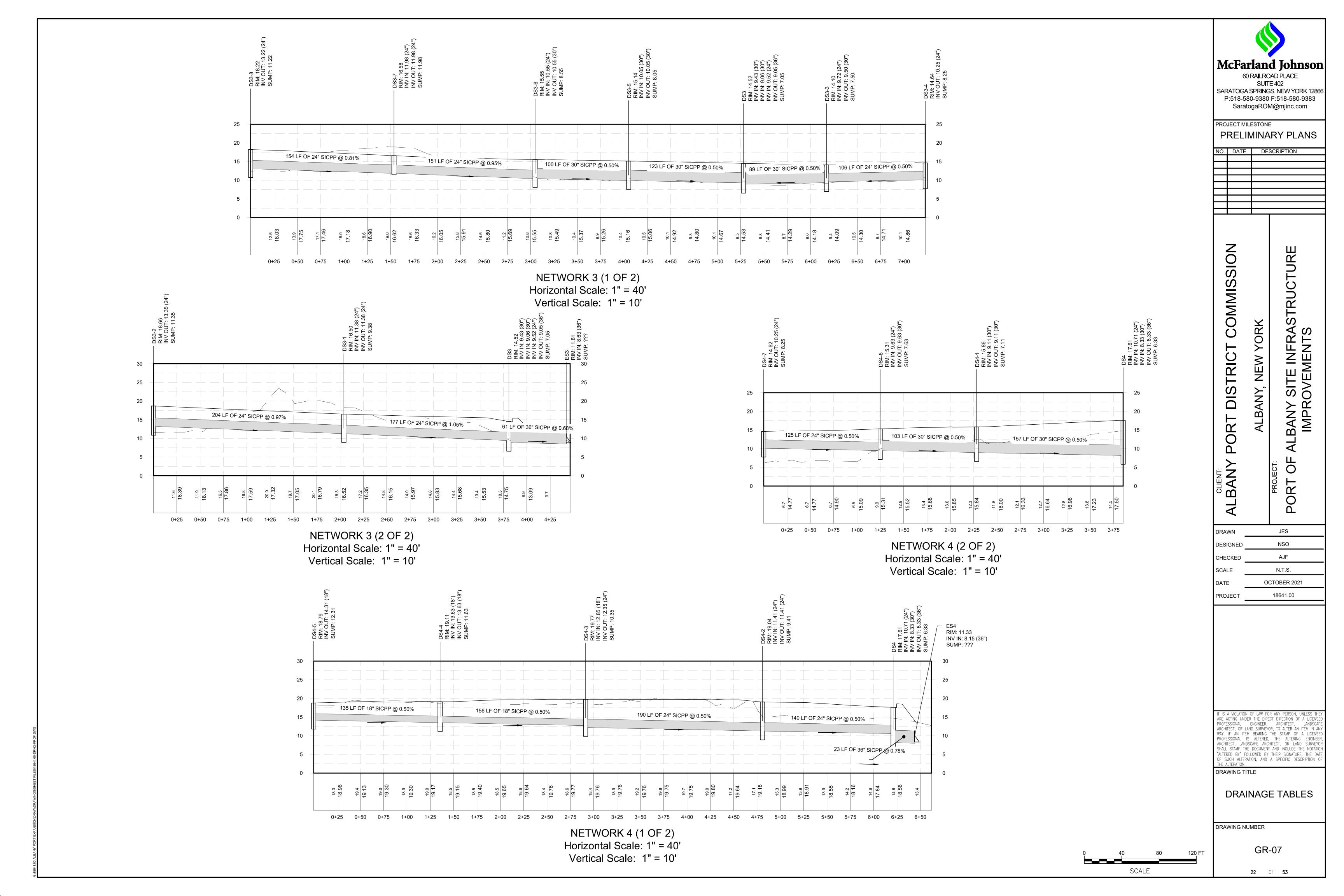
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IPE	TABL	E CON	Τ.		16 D 1	7
	NETWO	RK 6				d Johnson DAD PLACE
STH	SLOPE	MATERIAL	FROM STRC	TO STRC	SUI" SARATOGA SPRIN	TE 402 GS, NEW YORK 12866
6'	0.50%	SICPP	DS6-1	ES6) F:518-580-9383 M@mjinc.com
51'	0.50%	SICPP	DS6-2	DS6-1		-
27'	0.50%	SICPP	DS6-3	DS6-2	PROJECT MILESTON	[⊨] \RY PLANS
77'	1.18%	SICPP	DS6-4	DS6-3		
11')8'	0.50%	SICPP	DS6-5 DS6-6	DS6-4 DS6-1	NO. DATE DE	SCRIPTION
 19'	0.50%	SICPP	DS6-7	DS6-6		
97'	0.50%	SICPP	DS6-8	DS6-7		
94'	0.50%	SICPP	DS6-9	DS6-8		
35'	0.50%	SICPP	DS6-10	DS6-9		
54'	0.50%	SICPP	DS6-11	DS6-10	!	
50'	0.50%	SICPP	DS6-12	DS6-11		
23'	0.50%	SICPP	DS6-13	DS6-12	7	
	NETWO	RK 7			<u>0</u>	RE
STH	SLOPE	MATERIAL	FROM STRC	TO STRC	COMMISSIO	INFRASTRUCTURE IENTS
ļ5'	0.30%	SICPP	DS7-1	ES7		3
95'	0.50%	SICPP	DS7-2	DS7-1	2	점
34'	0.50%	SICPP	DS7-3	DS7-2		<u> </u>
91'	0.50%	SICPP	DS7-4 DS7-5	DS7-3 DS7-4	TRICT CC	A
86' 28'	0.50%	SICPP	DS7-5 DS7-6	DS7-4 DS7-1		['^ ' ' ' ' ' '
)9'	0.50%	SICPP	DS7-7	DS7-6		
94'	0.50%	SICPP	DS7-8	DS7-7	 	ME I
21'	0.50%	SICPP	DS7-9	DS7-8		
65'	0.67%	SICPP	DS7-10	DS7-1	ISTRICT	SIT
	NETWO	RK 8				X
STH	SLOPE	MATERIAL	FROM STRC	TO STRC	RT DIS' ALBANY,	BANY SITE INFRA IMPROVEMENTS
80'	0.26%	SICPP	DS8A	ES8	0	
59'	0.50%	SICPP	DS8-1	DS8	ص	
34'	0.50%	SICPP	DS8-2	DS8-1	>	ст:
33'	0.50%	SICPP	DS8-3	DS8-2		
15'	0.50%	SICPP	DS8-4	DS8-3	CLIE	PRO TA
50' '5'	0.50%	SICPP	DS8-5	DS8-4		
57'	0.50%	SICPP	DS8-6 DS8-7	DS8-5 DS8-6	\overline{A}	Д.
,, 19'	0.50%	SICPP	DS8-8	DS8-7		150
23'	0.50%	SICPP	DS8-9	DS8-8	DRAWN	JES
26'	0.50%	SICPP	DS8-10	DS8	DESIGNED	NSO
07'	0.50%	SICPP	DS8	DS8A	CHECKED	AJF
	NETWO	RK 8A	_	_	SCALE	N.T.S.
STH	SLOPE	MATERIAL	FROM STRC	TO STRC	PROJECT	18641.00
93'	0.50%	SICPP	DS8-11	ES8A		
39'	0.50%	SICPP	DS8-12	DS8-11		
	NETWO	RK 9				
STH	SLOPE	MATERIAL	FROM STRC	TO STRC		
38'	0.50%	SICPP	DS9	ES9		
78'	0.31%	SICPP	DS9-1	DS9		
84'	0.75%	SICPP	DS9-2	DS9		
00'	0.50%	SICPP	DS9-3	DS9-2	IT IC A MANATION TO	OD ANY DEDOCUL IN STATE
00'	0.50%	SICPP	DS9-4 DS9-10	DS9-3 DS9-2		OR ANY PERSON, UNLESS THEY ECT DIRECTION OF A LICENSED ARCHITECT, LANDSCAPE
24'	0.50%	SICPP	DS9-10 DS9-11	DS9-2 DS9-10	ARCHITECT, OR LAND SURVE WAY. IF AN ITEM BEARING	OR, TO ALTER AN ITEM IN ANY THE STAMP OF A LICENSED
73'	0.50%	SICPP	DS9-11	DS9-10	ARCHITECT, LANDSCAPE AR), THE ALTERING ENGINEER, CHITECT, OR LAND SURVEYOR IT AND INCLUDE THE NOTATION
_	NETWO				"ALTERED BY" FOLLOWED B' OF SUCH ALTERATION, AND THE ALTERATION.	THEIR SIGNATURE, THE DATE A SPECIFIC DESCRIPTION OF
HTE	SLOPE	MATERIAL	FROM STRC	TO STRC	DRAWING TITLE	
64'	0.42%	SICPP	DS9-5	ES9A	DRAINAG	E TABLES
5'	0.42%	SICPP	DS9-5	DS0 5		L IADELO

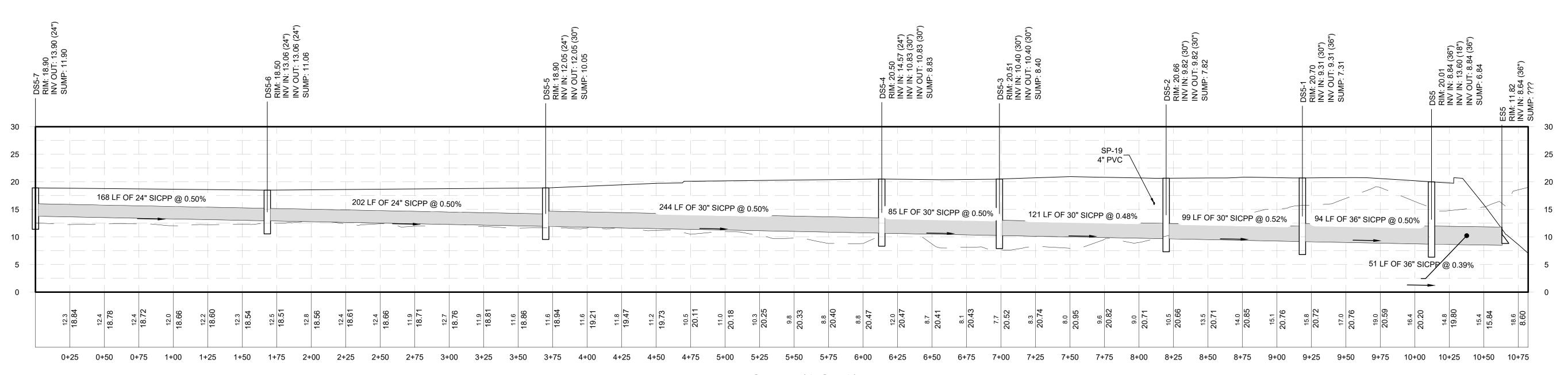
DRAWING NUMBER

GR-07

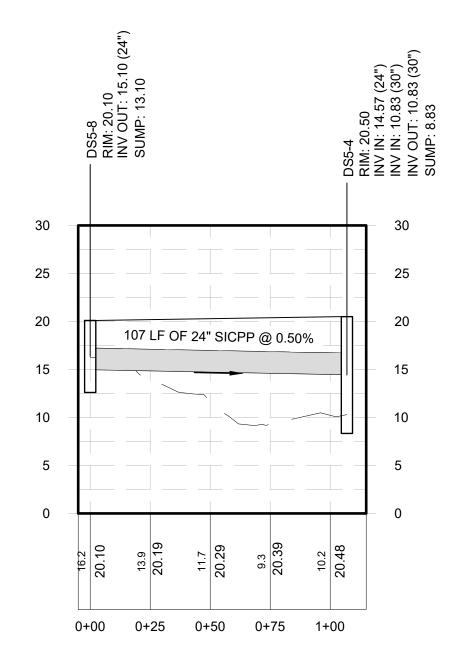
22 OF **53**



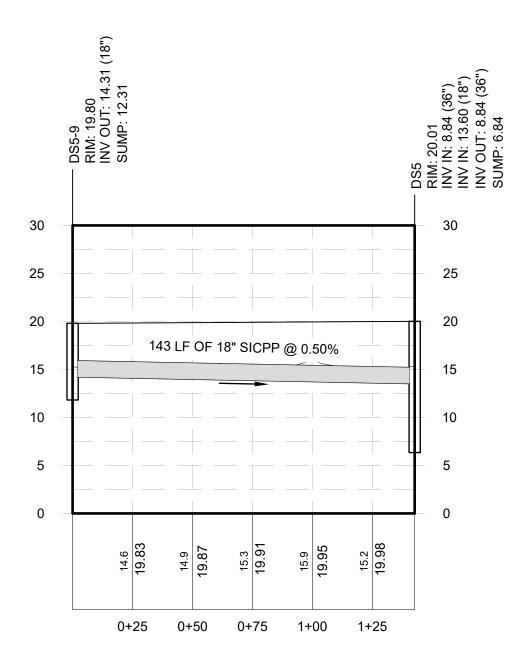




NETWORK 5 (1 OF 3) Horizontal Scale: 1" = 40' Vertical Scale: 1" = 10'



Network 5A Horizontal Scale: 1" = 40' Vertical Scale: 1" = 10'



NETWORK 5 (3 OF 3) Horizontal Scale: 1" = 40' Vertical Scale: 1" = 10'

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

PRELIMINARY PLANS

NO.	DATE	DESCRIPTION

PORT DISTRICT COMMISSION

ALBANY SITE INFRASTRUCTURE IMPROVEMENTS ALBANY, NEW YORK

DRAWN	JES
DESIGNED	NSO
CHECKED	AJF
SCALE	1"=40'
DATE	OCTOBER 2021
PROJECT	18641.00
· •	

CLIENT: ALBANY

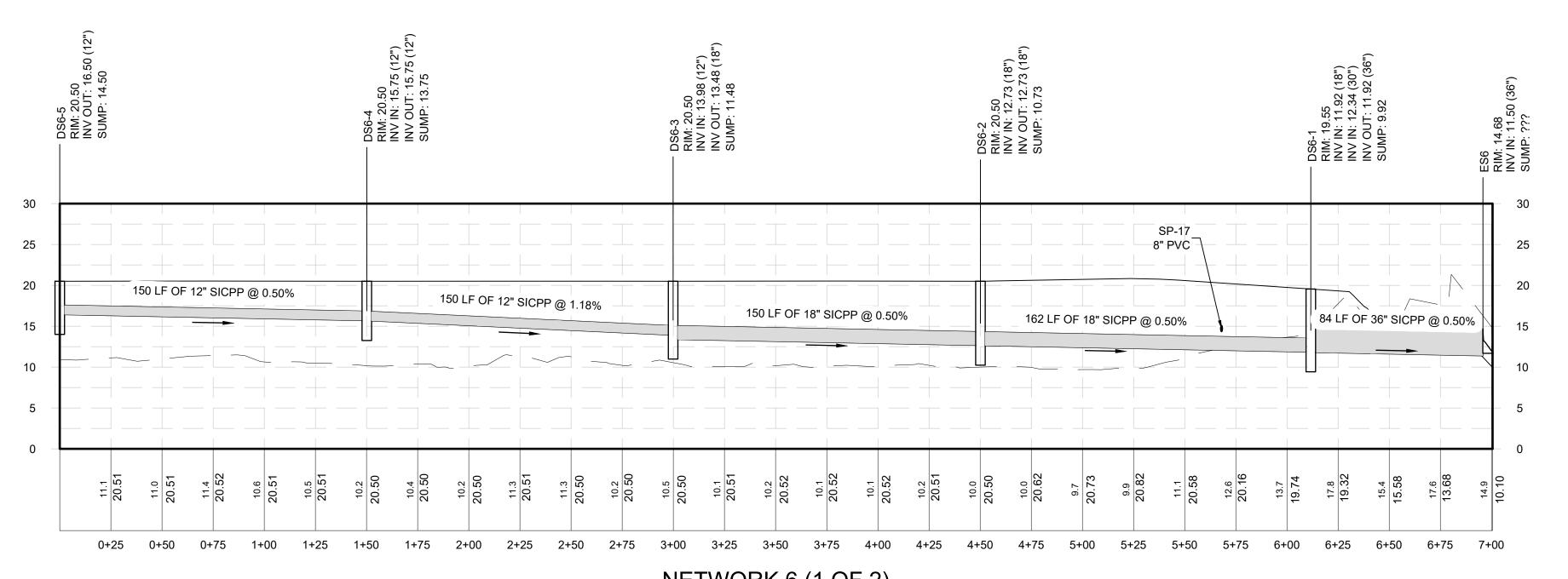
IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THE ARE ACTING UNDER THE DIRECT DIRECTION OF A LICENSEE PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, 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

DRAWING TITLE

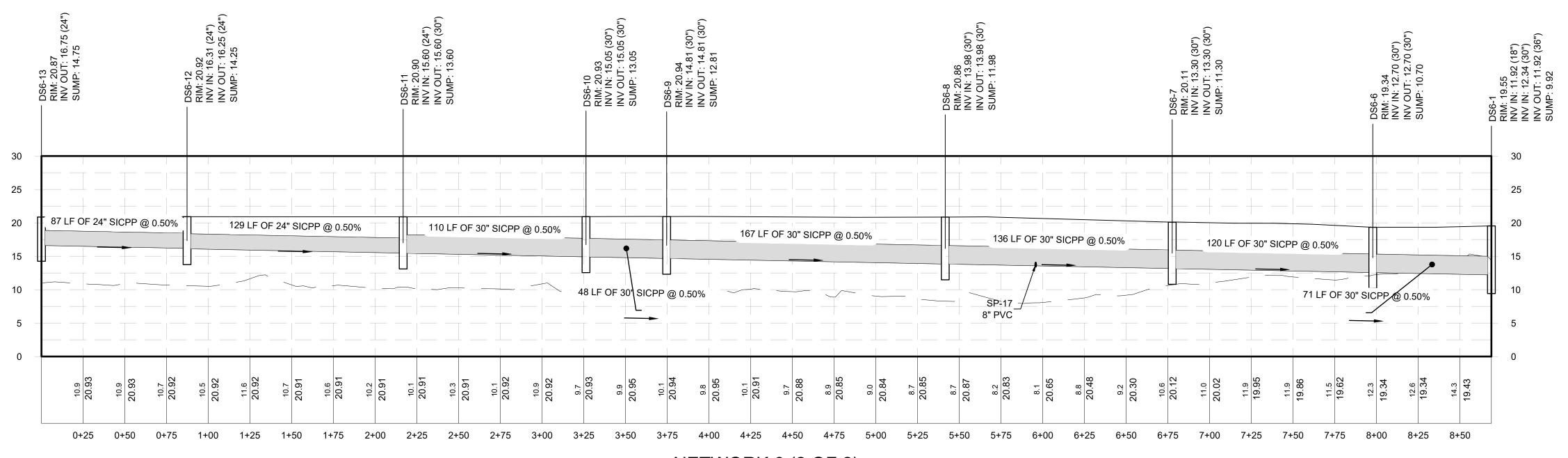
DRAINAGE PROFILES

DRAWING NUMBER

GR-08



NETWORK 6 (1 OF 2) Horizontal Scale: 1" = 40' Vertical Scale: 1" = 10'



NETWORK 6 (2 OF 2) Horizontal Scale: 1" = 40' Vertical Scale: 1" = 10'

| 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

PRELIMINARY PLANS

NO.	DATE	DESCRIPTION

PORT DISTRICT COMMISSION ALBANY, NEW YORK

ALBANY SITE INFRASTRUCTURE IMPROVEMENTS Δ. JES

DRAWN NSO DESIGNED AJF CHECKED 1"=40' SCALE OCTOBER 2021 18641.00 PROJECT

CLIENT: ALBANY

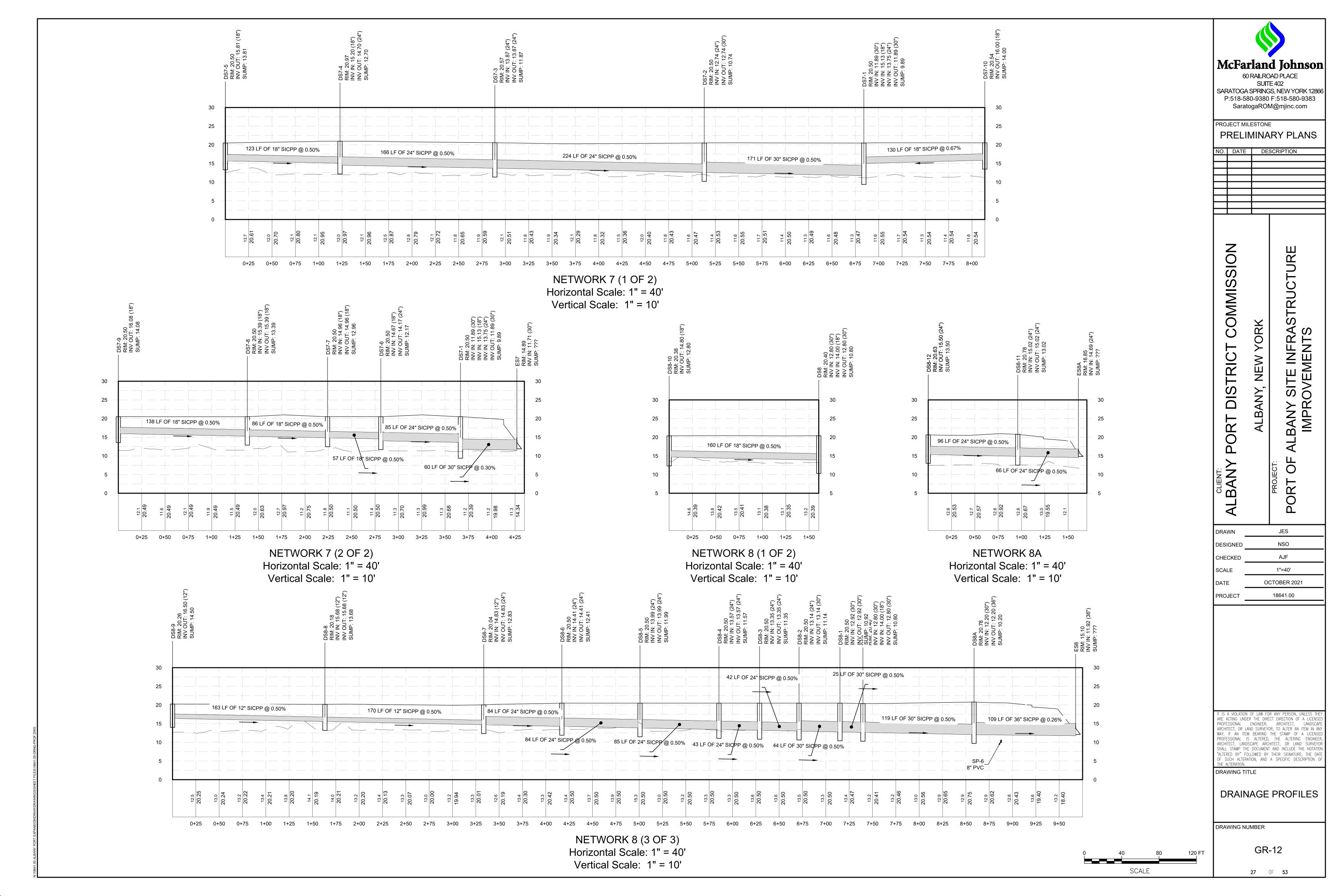
IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECT DIRECTION OF A LICENSEE PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL 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.

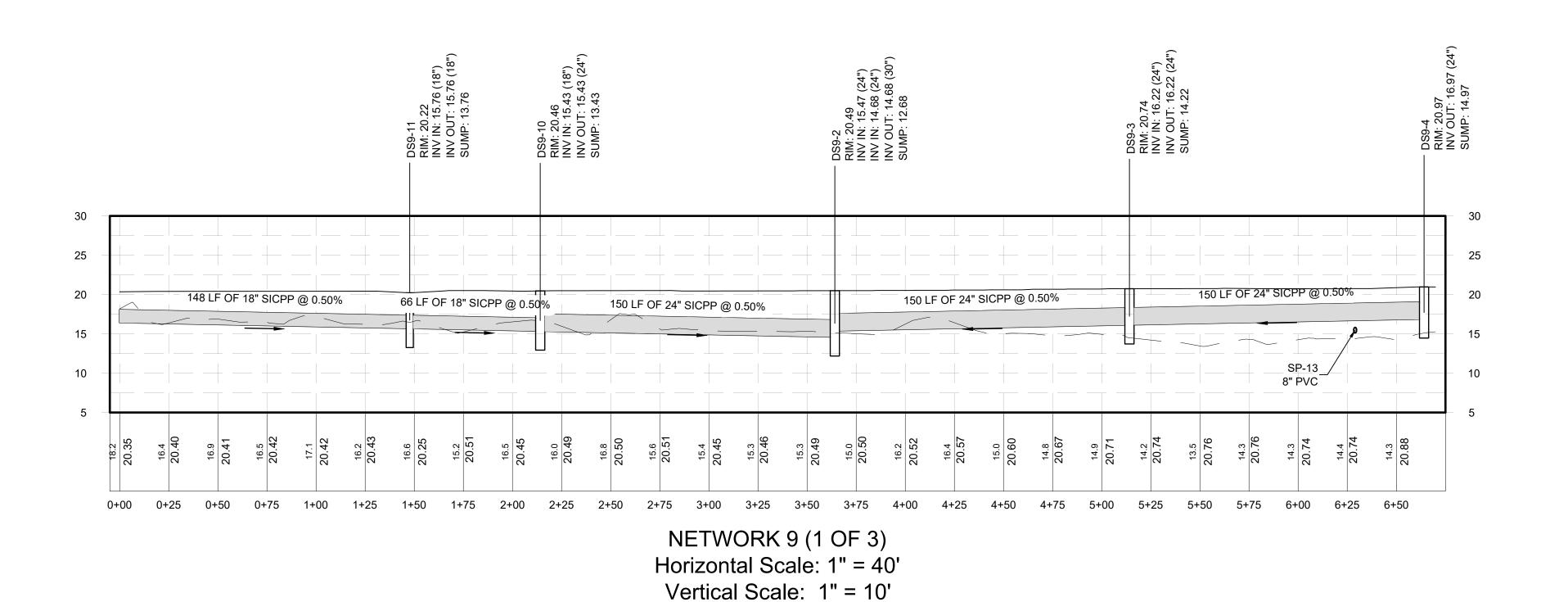
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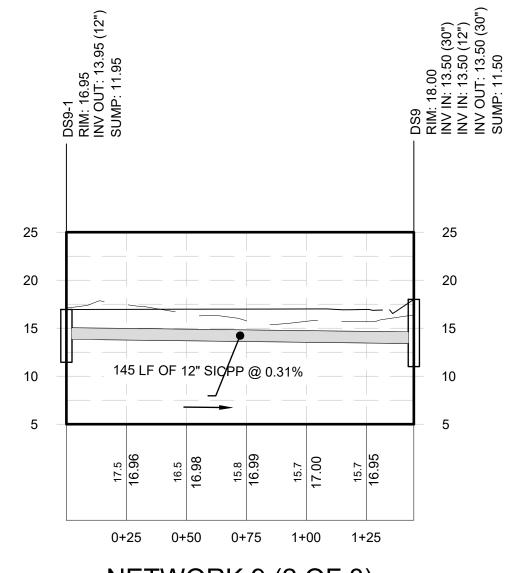
DRAINAGE PROFILES

DRAWING NUMBER

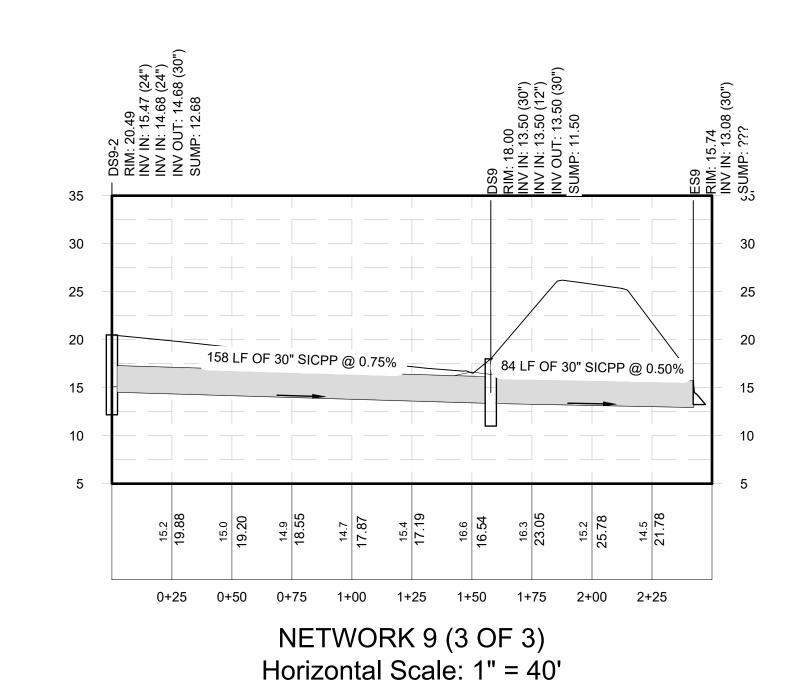
GR-09



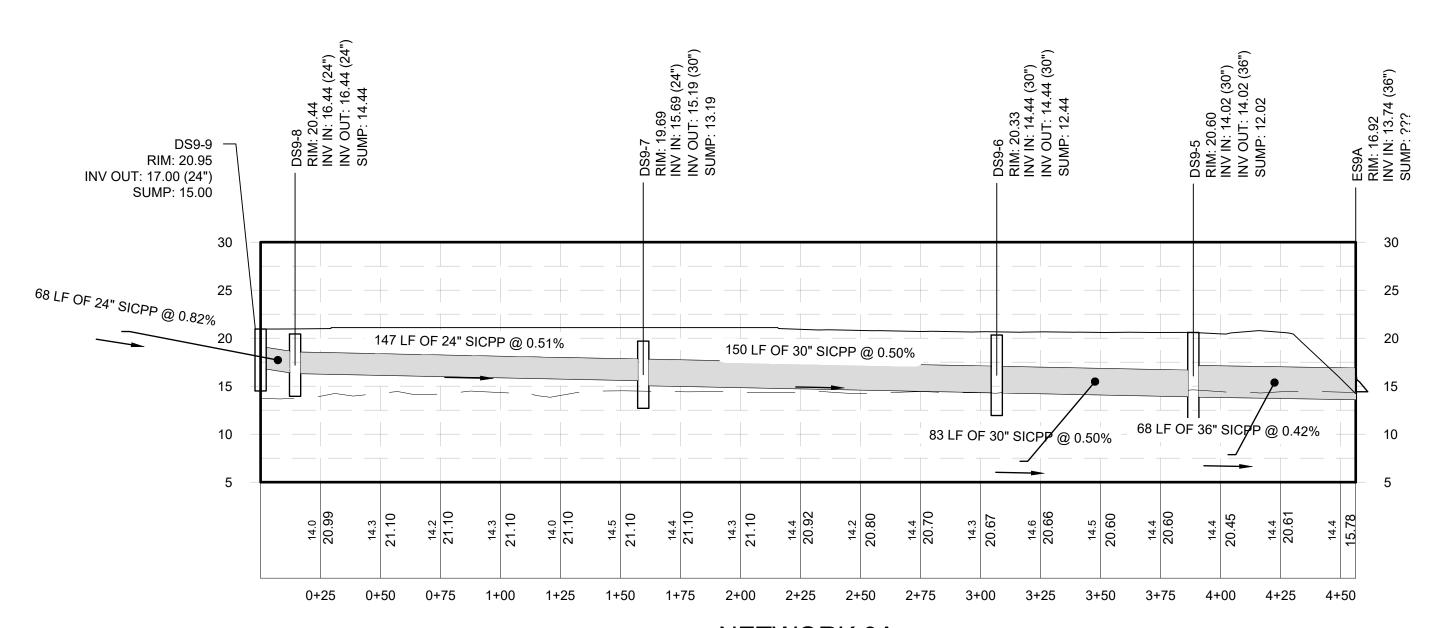




NETWORK 9 (2 OF 3) Horizontal Scale: 1" = 40' Vertical Scale: 1" = 10'



Vertical Scale: 1" = 10'



NETWORK 9A Horizontal Scale: 1" = 40' Vertical Scale: 1" = 10'

DRAINAGE PROFILES

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THE ARE ACTING UNDER THE DIRECT DIRECTION OF A LICENSEE 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

McFarland Johnson

60 RAILROAD PLACE SUITE 402 SARATOGA SPRINGS, NEW YORK 12866 P:518-580-9380 F:518-580-9383

SaratogaROM@mjinc.com

PRELIMINARY PLANS

NO. DATE DESCRIPTION

PROJECT MILESTONE

PORT DISTRICT COMMISSION

CLIENT: ALBANY

DRAWN

DESIGNED

CHECKED

PROJECT

SCALE

ALBANY, NEW YORK

ALBANY SITE INFRASTRUCTURE IMPROVEMENTS

Δ.

JES

NSO

AJF

1"=40'

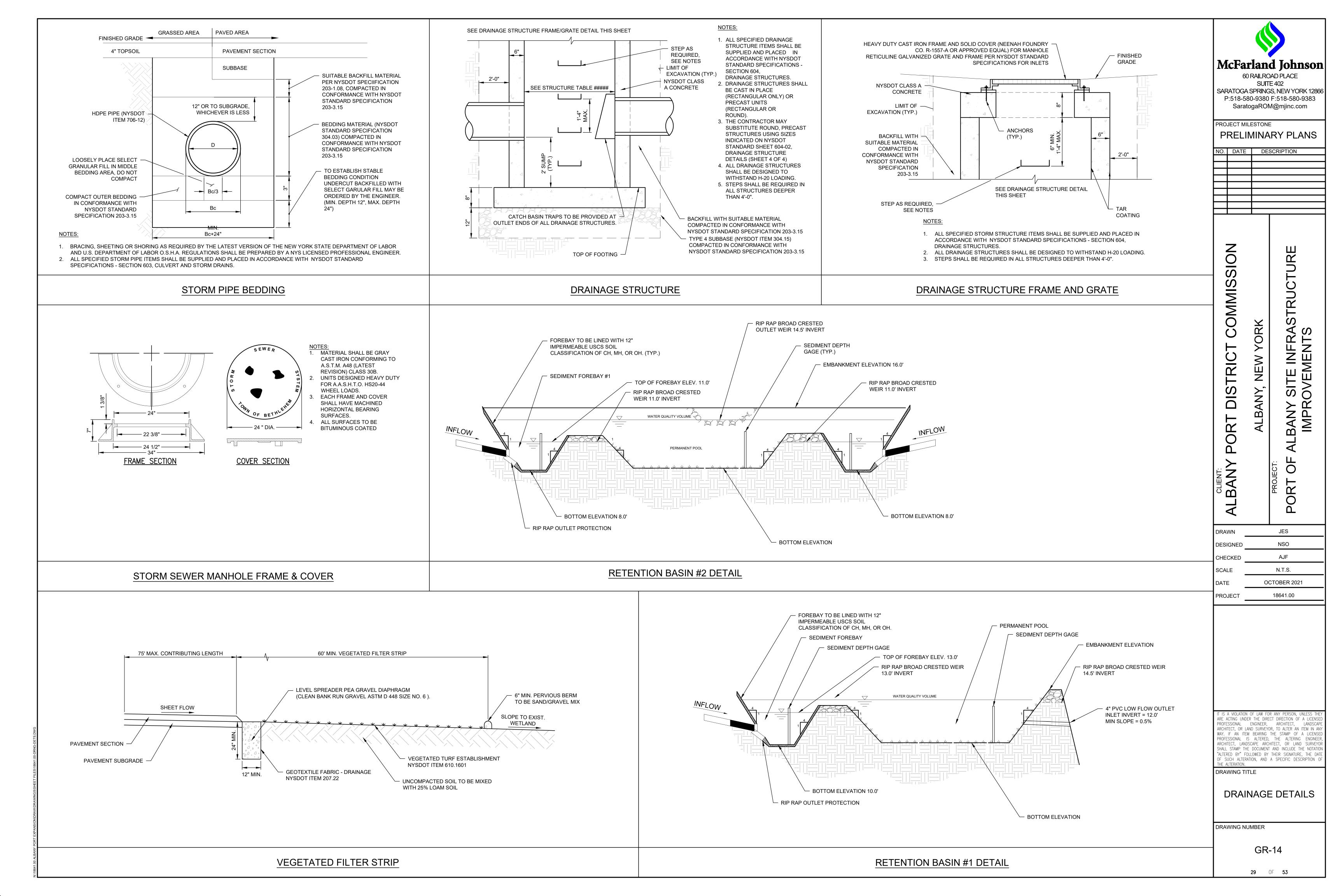
OCTOBER 2021

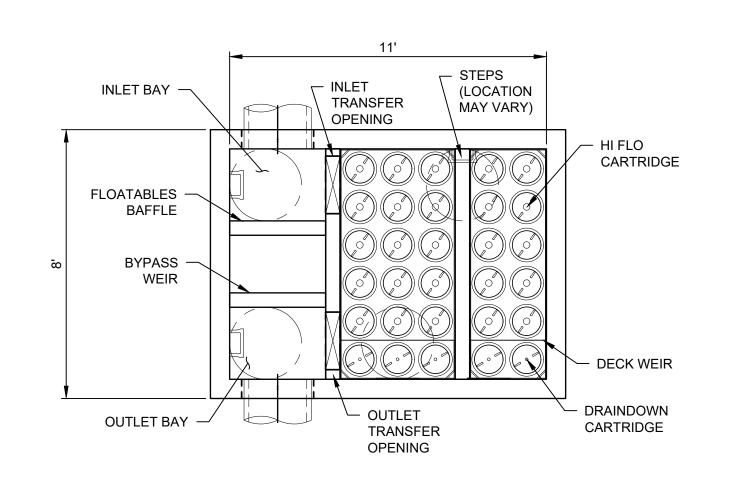
18641.00

DRAWING NUMBER

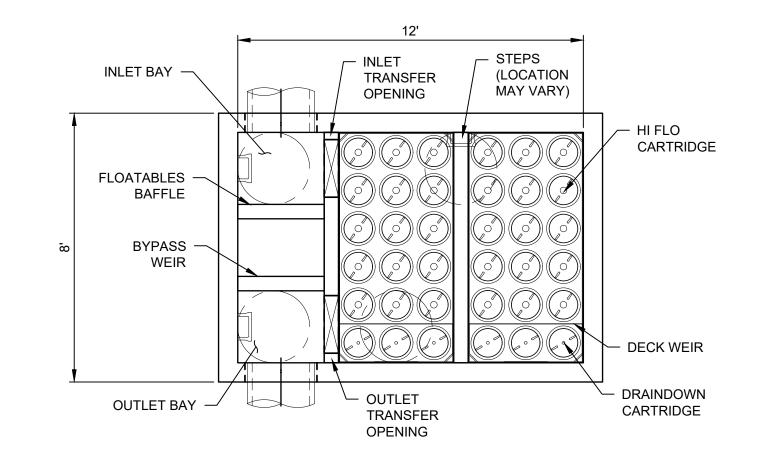
GR-13 28 OF 53

0 40 80 120 FT

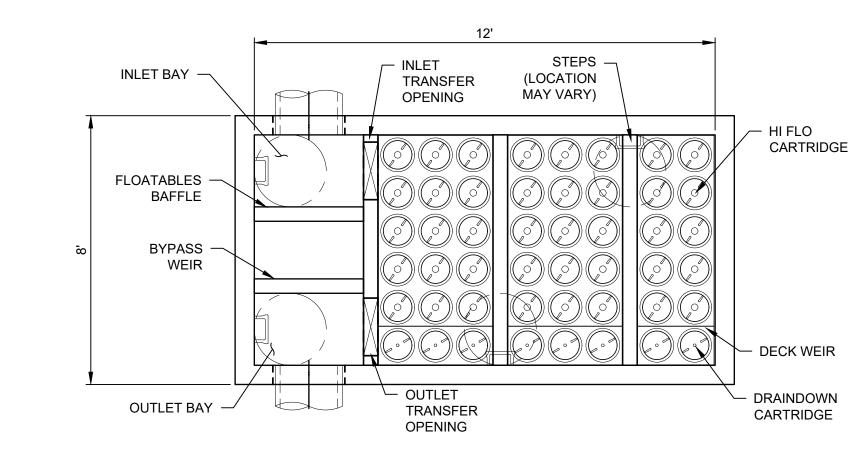




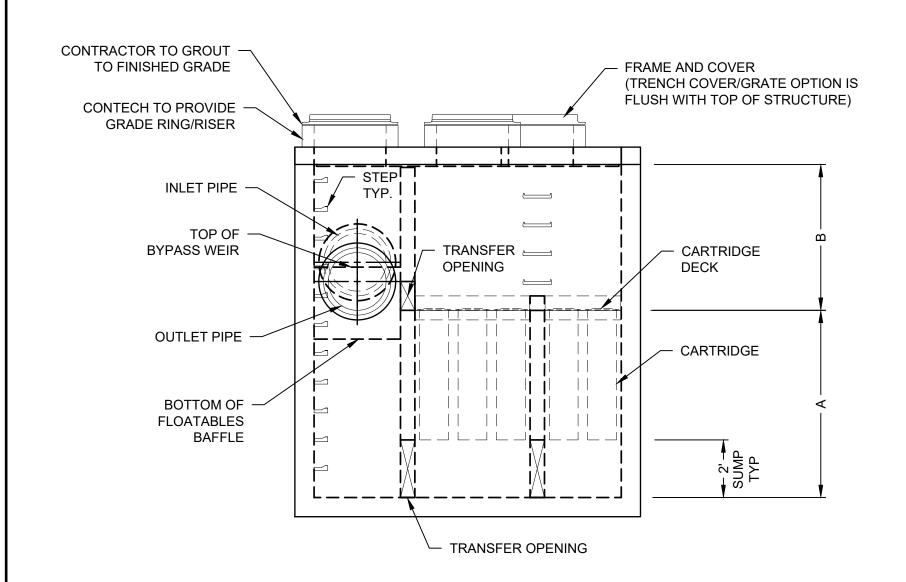
<u>PLAN VIEW</u> (TOP SLAB NOT SHOWN FOR CLARITY)



<u>PLAN VIEW</u> (TOP SLAB NOT SHOWN FOR CLARITY)



<u>PLAN VIEW</u> (TOP SLAB NOT SHOWN FOR CLARITY)



ELEVATION VIEW

STORMWATER FILTER STRUCTURE TYPE 1

(JFPD0811)

CONTRACTOR TO GROUT TO FINISHED GRADE CONTECH TO PROVIDE GRADE RING/RISER			(TRENC	AND COVER I COVER/GRATE OPTION	
INLET PIPE	STEP TYP. I I		 - -		
TOP OF BYPASS WEIR		TRANSFER OPENING		CARTRIDGE DECK	B
OUTLET PIPE				CARTRIDGE	
BOTTOM OF FLOATABLES BAFFLE				SUMP TYP	- A
		TRANSFER OPENING	G		

ELEVATION VIEW

CONTRACTOR TO GROUT — TO FINISHED GRADE		FRAME AND COVER (TRENCH COVER/GRATE OPTION IS FLUSH WITH TOP OF STRUCTURE)
CONTECH TO PROVIDE ————————————————————————————————————		
INLET PIPE —		
TOP OF BYPASS WEIR	TRANSFER OPENING	CARTRIDGE DECK
OUTLET PIPE —		
BOTTOM OF FLOATABLES BAFFLE		SUMP TYP
	TRANSFER OPEN	ING

ELEVATION VIEW

JEI	LLYFISH DES	IGN NOTES		
JELLYFISH TREATMENT CAPACITY IS A FUNCTION OF THE STYLE WITH PRECAST TOP SLAB IS SHOWN. ALTERNATE CAPACITY TO BE DETERMINED BY ENGINEER OF RECORD CARTRIDGE SELECTION	OFFLINE VAULT AND/O			
CARTRIDGE LENGTH	54"	40"	27"	15"
OUTLET INVERT TO STRUCTURE INVERT (A)	6'-6"	5'-4"	4'-3"	3'-3"
FLOW RATE HIGH-FLO / DRAINDOWN (CFS) (PER CART)	0.178 / 0.089	0.133 / 0.067	0.089 / 0.045	0.049 / 0.025
MAX. TREATMENT (CFS)	4.90	3.67	2.45	1.36
DECK TO INSIDE TOP (MIN) (B)	5.00	4.00	4.00	4.00

STORMWATER FILTER STRUCTURE TYPE 2 (JFPD0812)

JE	LLYFISH DES	IGN NOTES		
JELLYFISH TREATMENT CAPACITY IS A FUNCTION OF TH STYLE WITH PRECAST TOP SLAB IS SHOWN. ALTERNATI CAPACITY TO BE DETERMINED BY ENGINEER OF RECOF	E OFFLINE VAULT AND/C			
CARTRIDGE SELECTION				
CARTRIDGE SELECTION CARTRIDGE LENGTH	54"	40"	27"	15"
	54" 6'-6"	40" 5'-4"	27" 4'-3"	15" 3'-3"
CARTRIDGE LENGTH				· · · · · ·
CARTRIDGE LENGTH OUTLET INVERT TO STRUCTURE INVERT (A)	6'-6"	5'-4"	4'-3"	3'-3"

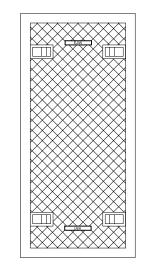
STORMWATER FILTER STRUCTURE TYPE 3 (JFPD0816)

CONTECH

FRAME AND COVER

(DIAMETER VARIES)

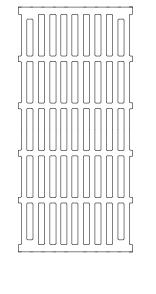
N.T.S.



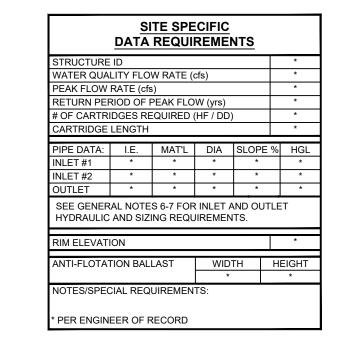
TRENCH COVER

(LENGTH VARIES)

N.T.S.







- 1. CONTECH TO PROVIDE ALL MATERIALS UNLESS NOTED OTHERWISE.
- 2. FOR SITE SPECIFIC DRAWINGS WITH DETAILED STRUCTURE DIMENSIONS AND WEIGHT, PLEASE CONTACT YOUR CONTECH ENGINEERED SOLUTIONS REPRESENTATIVE.
- 3. JELLYFISH WATER QUALITY STRUCTURE SHALL BE IN ACCORDANCE WITH ALL DESIGN DATA AND INFORMATION CONTAINED IN THIS DRAWING. CONTRACTOR TO CONFIRM STRUCTURE MEETS REQUIREMENTS OF PROJECT.
- 4. STRUCTURE SHALL MEET AASHTO HS-20 OR PER APPROVING JURISDICTION REQUIREMENTS, WHICHEVER IS MORE STRINGENT, ASSUMING EARTH COVER OF 0' 10', AND
- GROUNDWATER ELEVATION AT, OR BELOW, THE OUTLET PIPE INVERT ELEVATION. ENGINEER OF RECORD TO CONFIRM ACTUAL GROUNDWATER ELEVATION. CASTINGS SHALL MEET AASHTO M306 LOAD RATING AND BE CAST WITH THE CONTECH LOGO.
- 5. STRUCTURE SHALL BE PRECAST CONCRETE CONFORMING TO ASTM C-857, ASTM C-918, AND AASHTO LOAD FACTOR DESIGN METHOD. 6. OUTLET PIPE INVERT IS EQUAL TO THE CARTRIDGE DECK ELEVATION.
- 7. THE OUTLET PIPE DIAMETER FOR NEW INSTALLATIONS IS RECOMMENDED TO BE ONE PIPE SIZE LARGER THAN THE INLET PIPE AT EQUAL OR GREATER SLOPE.
- 8. NO PRODUCT SUBSTITUTIONS SHALL BE ACCEPTED UNLESS SUBMITTED 10 DAYS PRIOR TO PROJECT BID DATE, OR AS DIRECTED BY THE ENGINEER OF RECORD.

- A. ANY SUB-BASE, BACKFILL DEPTH, AND/OR ANTI-FLOTATION PROVISIONS ARE SITE-SPECIFIC DESIGN CONSIDERATIONS AND SHALL BE SPECIFIED BY ENGINEER OF RECORD. B. CONTRACTOR TO PROVIDE EQUIPMENT WITH SUFFICIENT LIFTING AND REACH CAPACITY TO LIFT AND SET THE STRUCTURE.
- C. CONTRACTOR WILL INSTALL AND LEVEL THE STRUCTURE, SEALING THE JOINTS, LINE ENTRY AND EXIT POINTS (NON-SHRINK GROUT WITH APPROVED WATERSTOP OR FLEXIBLE
- D. CARTRIDGE INSTALLATION, BY CONTECH, SHALL OCCUR ONLY AFTER SITE HAS BEEN STABILIZED AND THE JELLYFISH UNIT IS CLEAN AND FREE OF DEBRIS. CONTACT CONTECH TO COORDINATE CARTRIDGE INSTALLATION WITH SITE STABILIZATION.

ARE ACTING UNDER THE DIRECT DIRECTION OF A LICENSE PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAP ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSI PROFESSIONAL IS ALTERED, THE ALTERING ENGINEE ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYO SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATIO "ALTERED BY" FOLLOWED BY THEIR SIGNATURE, THE DAT OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION (

JES

NSO

AJF

N.T.S.

OCTOBER 2021

18641.00

McFarland Johnson

60 RAILROAD PLACE SUITE 402

SARATOGA SPRINGS, NEW YORK 12866

P:518-580-9380 F:518-580-9383

SaratogaROM@mjinc.com

PRELIMINARY PLANS

TRUCTURE

NO. DATE DESCRIPTION

PROJECT MILESTONE

COMMISSION

DISTRICT

PORT

DRAWN

DESIGNED

CHECKED

PROJECT

SCALE

YORK

NEW

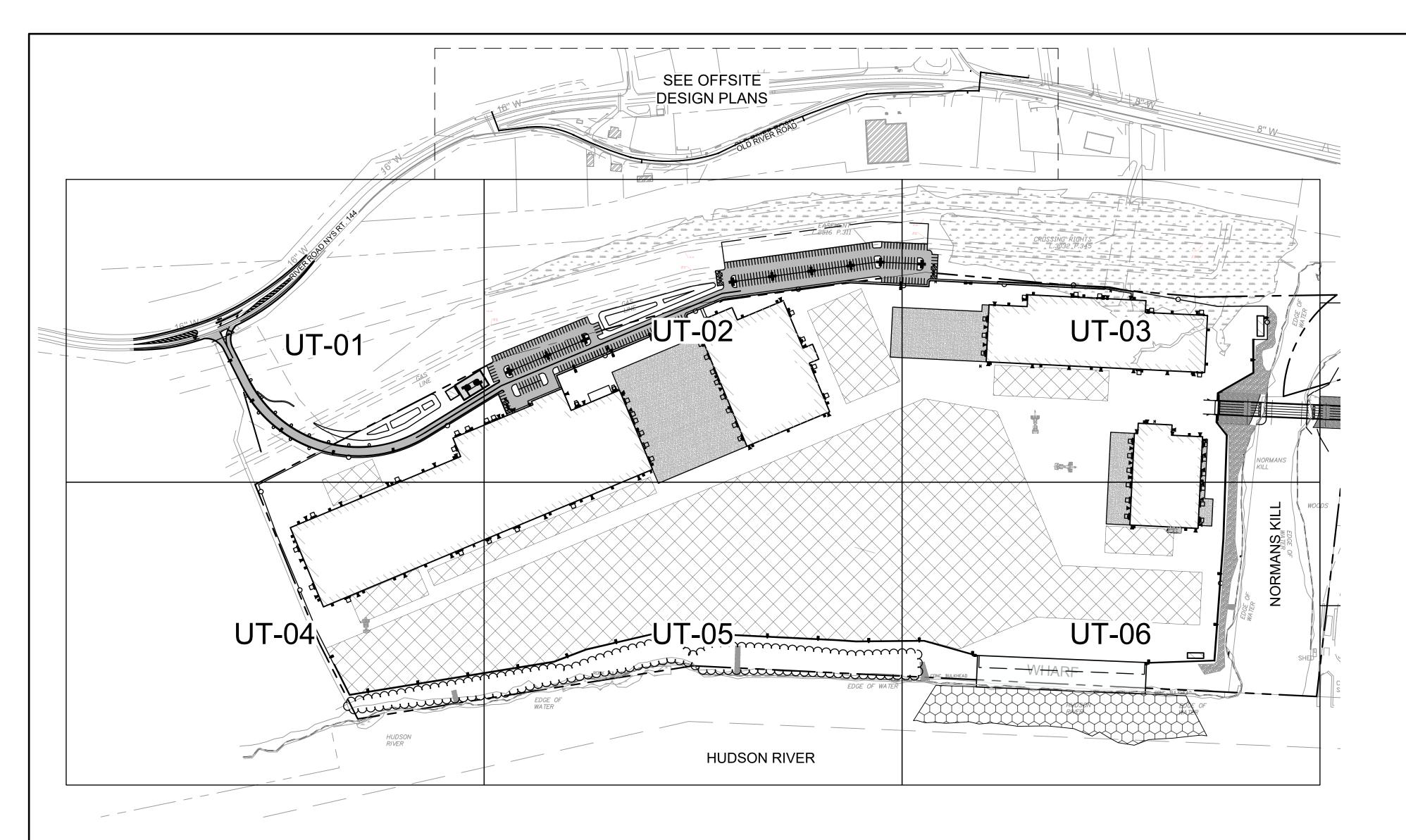
DRAWING TITLE

DRAINAGE DETAILS

DRAWING NUMBER

GR-15

STORMWATER FILTER STRUCTURES



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 TOWN OF BETHLEHEM. 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.
- 9. WATER SERVICE LINES SHALL BE SEPARATED AT LEAST 10 FEET, MEASURED FROM OUTSIDE OF THE PIPES, FROM SEWER MAINS AND SEPTIC SYSTEMS.
- 10. BACKFLOW PREVENTION SHALL BE PROVIDED IN BUILDING. (SEE BUILDING PLANS)
- 11. 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 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.

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.

SANITARY SEWER NOTES:

LEGEND

PROPERTY LINE

WETLAND AREA

STORAGE AREA

DREDGING AREA

PAVEMENT AREA

CONCRETE AREA

- ONLY DOMESTIC WASTE FROM THE PROJECT SHALL BE DISCHARGED INTO THE SANITARY SEWER.
- SPECIFIED ON THE PLANS.

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 SANITARY LATERALS.
- 4. THE TOWN OF BETHLEHEM WATER AND SEWER MANAGER SHALL BE NOTIFIED FORTY-EIGHT HOURS IN ADVANCE OF CONNECTION OR TAP. [518-439-4955].
- 5. SANITARY SEWER LATERAL(S) AND APPURTENANCES SHALL BE CONSTRUCTED IN CONFORMANCE WITH THE REQUIREMENTS OF THE TOWN OF BETHLEHEM.
- 6. 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.
- 7. MAXIMUM SPACING BETWEEN CLEANOUTS ON SANITARY LATERALS MAY NOT EXCEED SEVENTY-FIVE (75) FEET.
- 8. MAXIMUM SPACING BETWEEN SANITARY MANHOLES MAY NOT EXCEED FOUR-HUNDRED (400) FEET.
- 9. 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.
- 10. 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/ EXFILITRATION 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.
- 11. 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 SCHODACK WATER AND SEWER DEPARTMENT STANDARDS.
- 12. MIN DEFLECTION OF 3" PVC SDR21 ASTM D2241 FORCE MAIN SEWER LINE IS 0.7' FOR 20' LENGTHS.

McFarland Johnson

60 RAILROAD PLACE SUITE 402 SARATOGA SPRINGS, NEW YORK 1286 P:518-580-9380 F:518-580-9383 SaratogaROM@mjinc.com

PRELIMINARY PLANS

NO.	DATE	DESCRIPTION
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SANY PORT DISTRICT COMMISSION ALBANY, NEW YORK AT OF ALBANY SITE INFRASTRUCTURE IMPROVEMENTS

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

JES

NSO

AJF

1"=250'

OCTOBER 2021

18641.00

DRAWN

DESIGNED

CHECKED

PROJECT

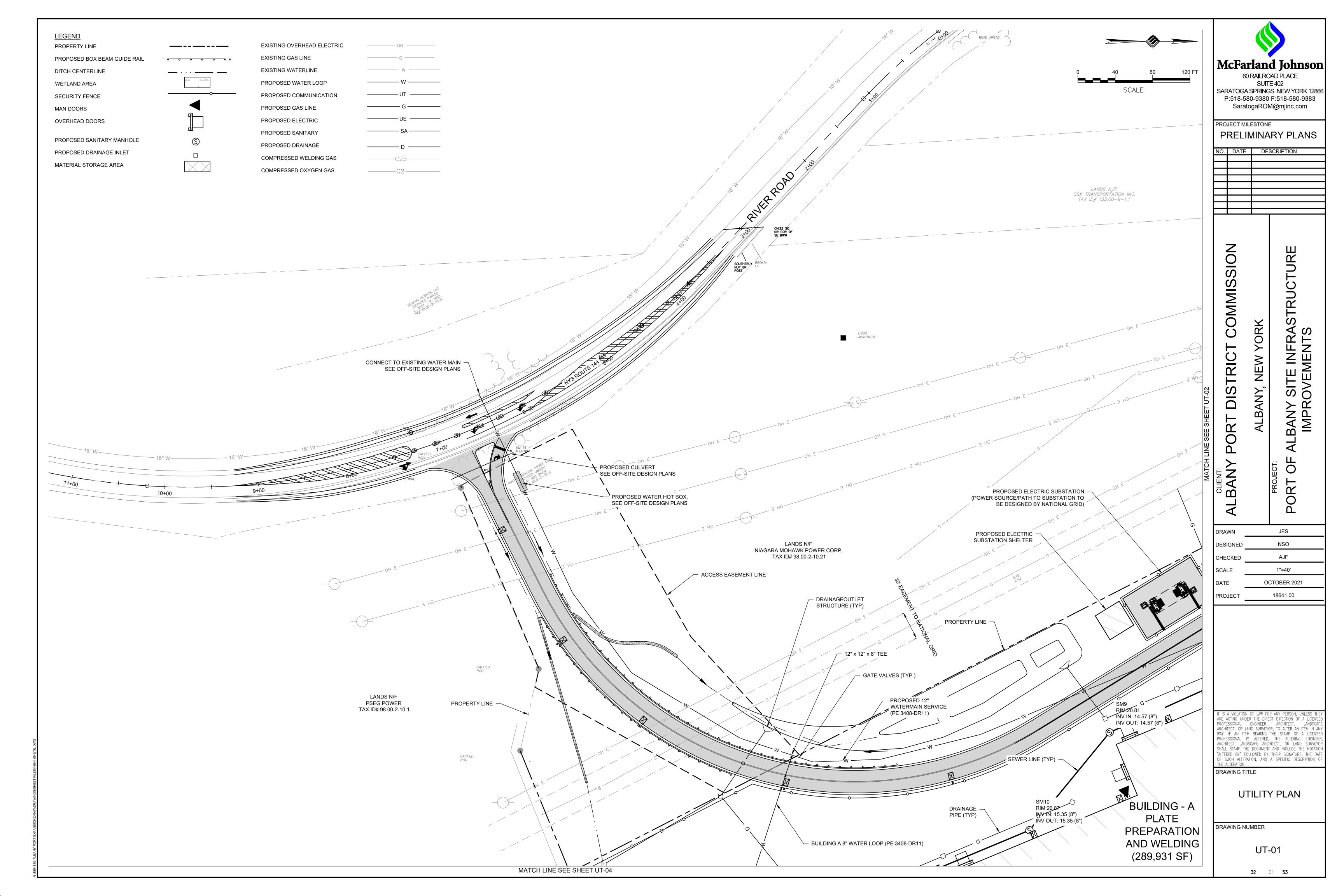
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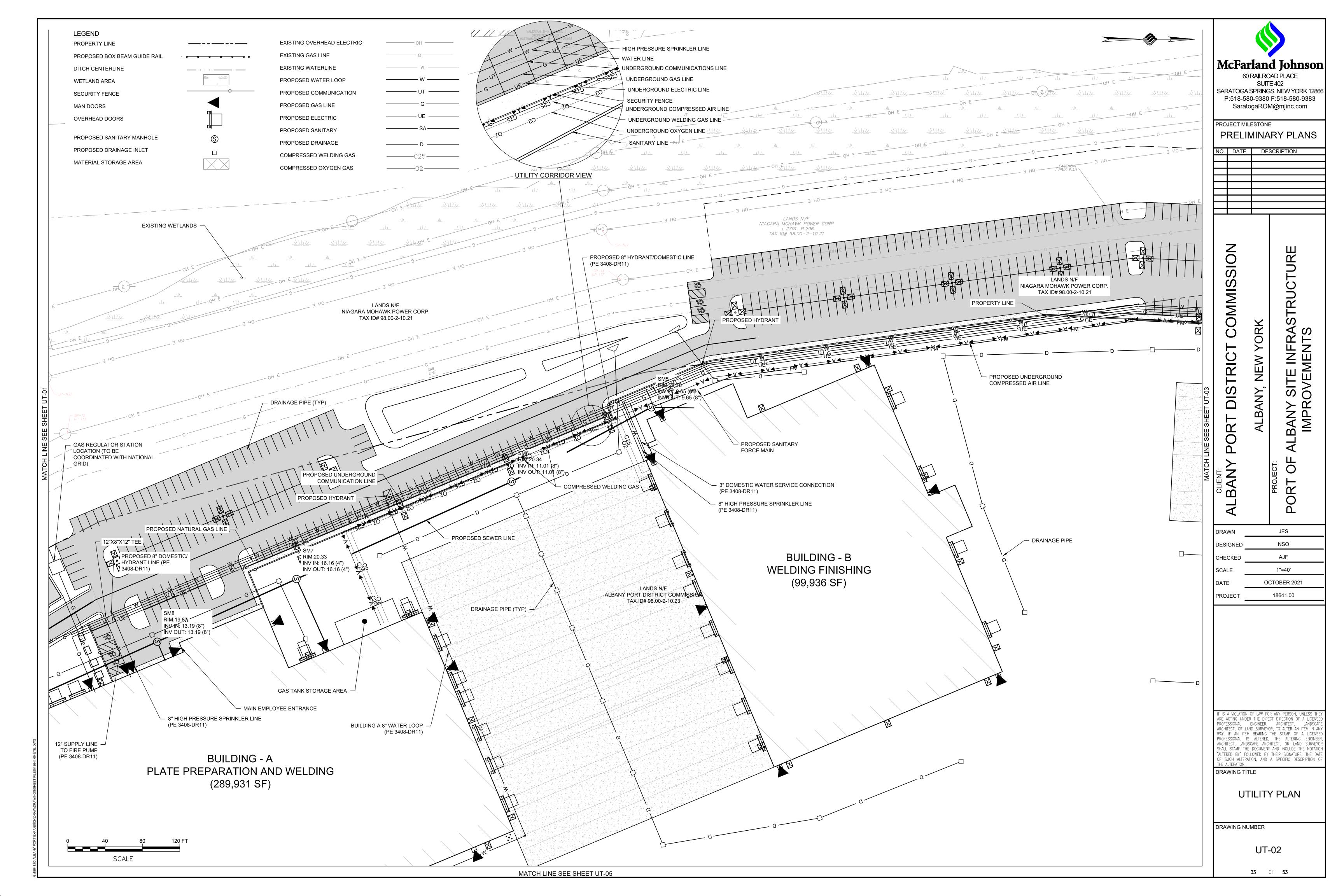
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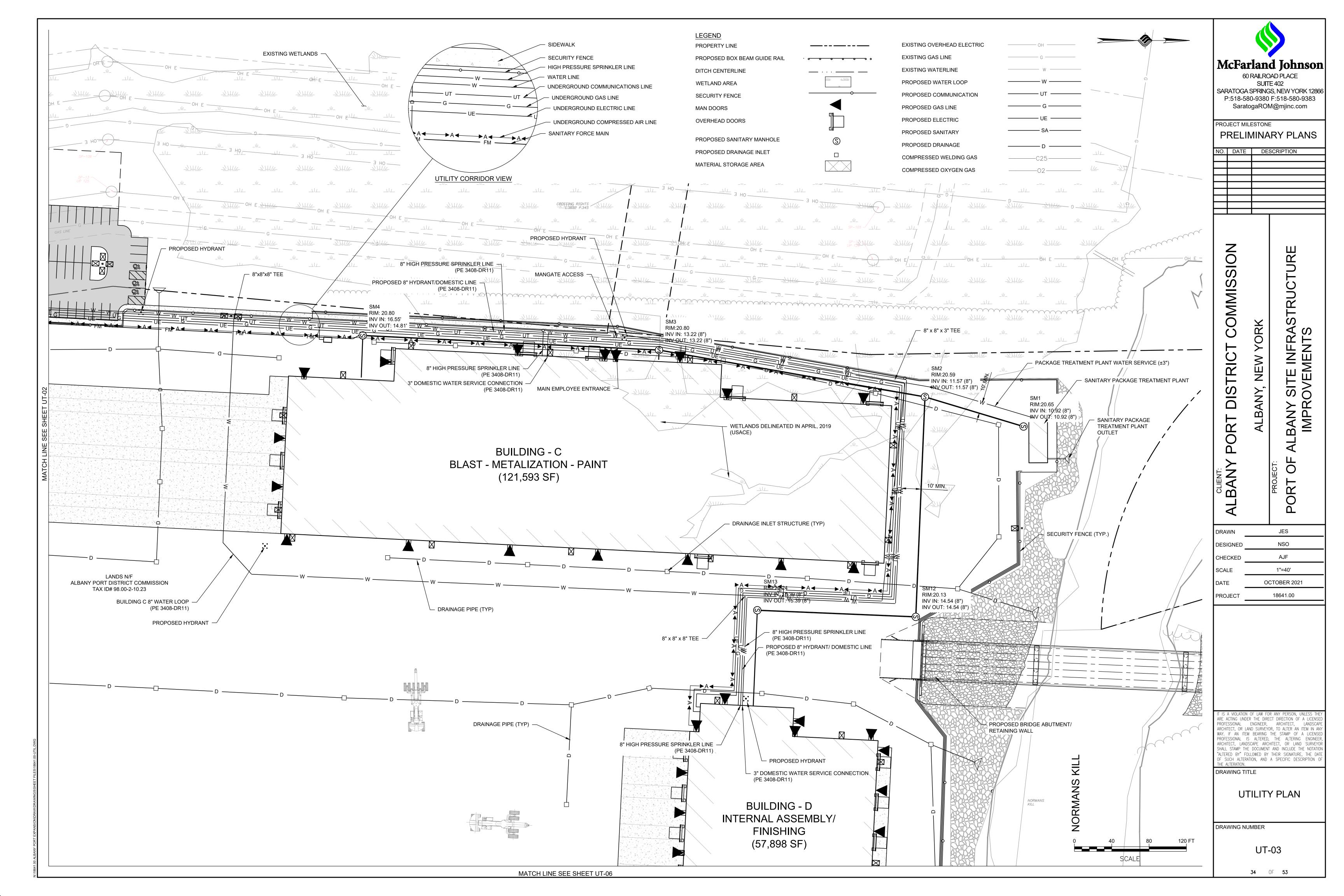
UTILITY NOTES & INDEX

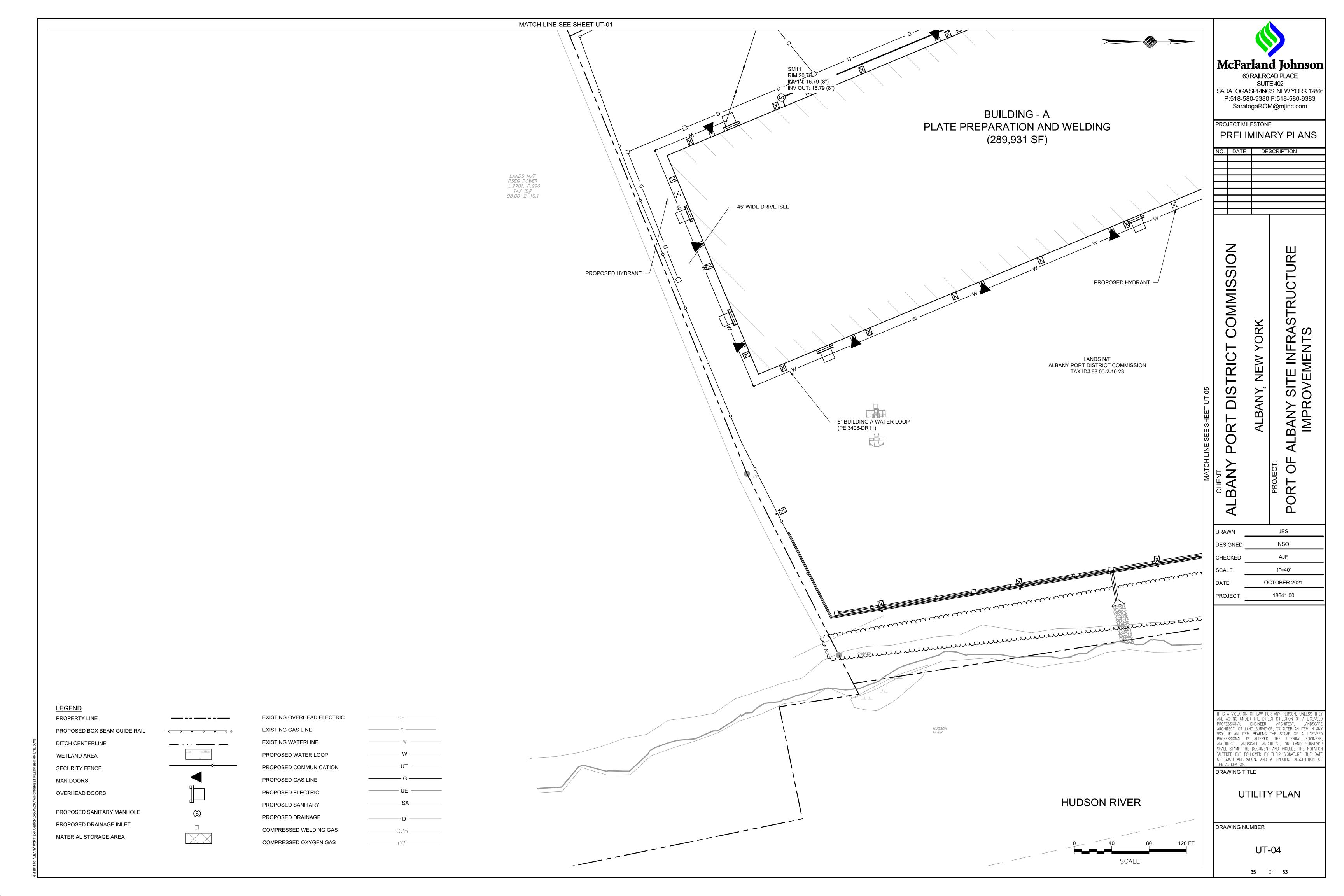
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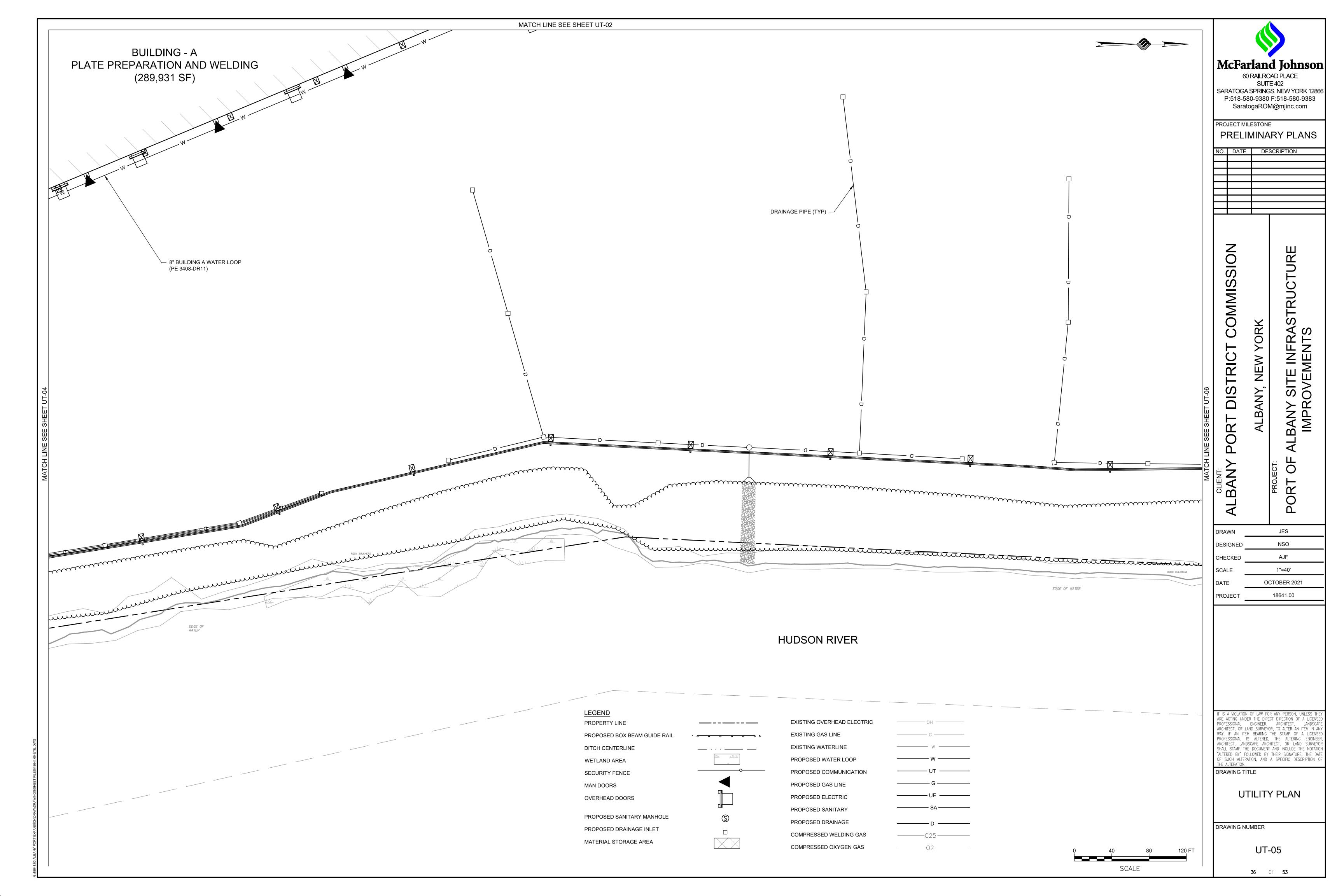
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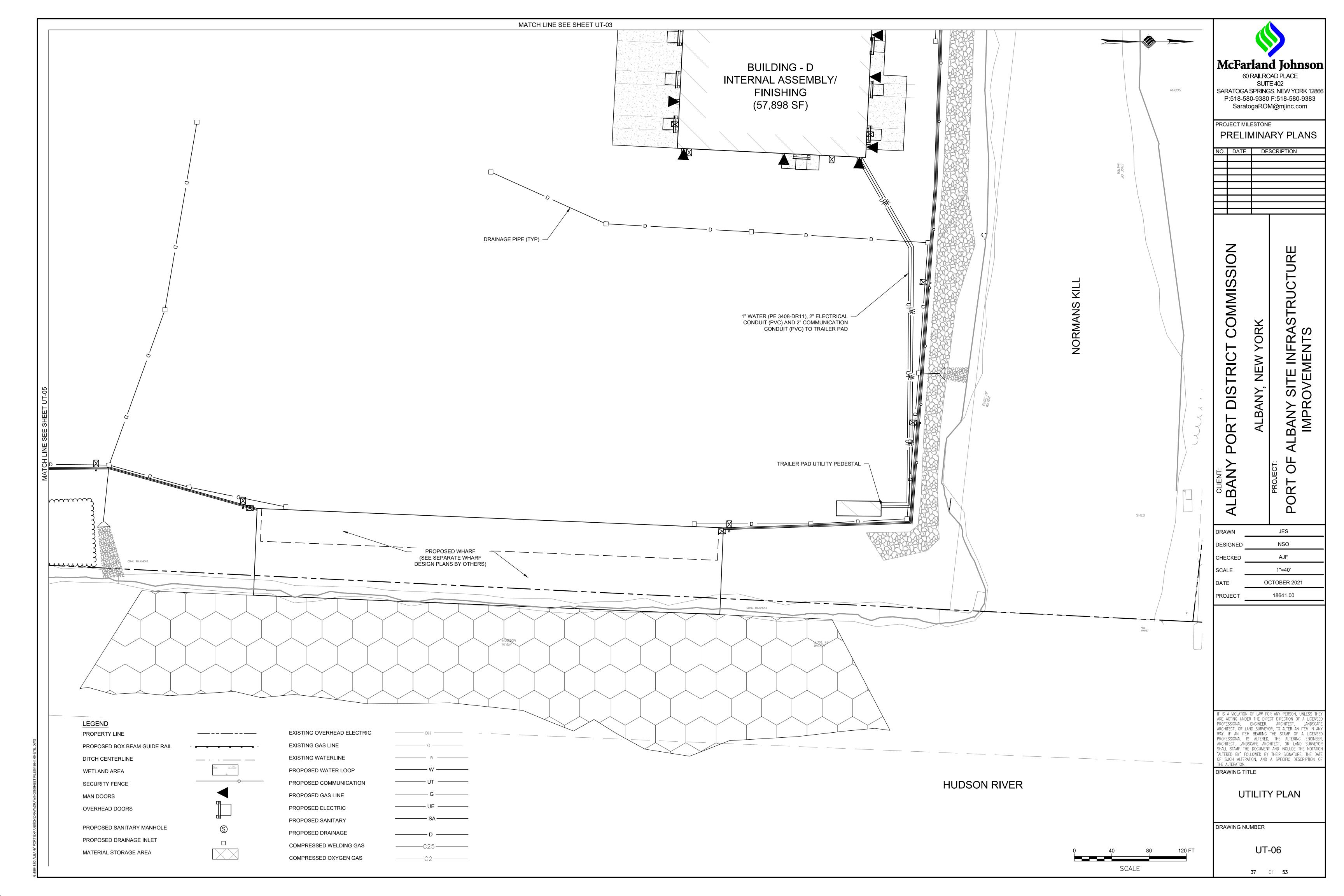


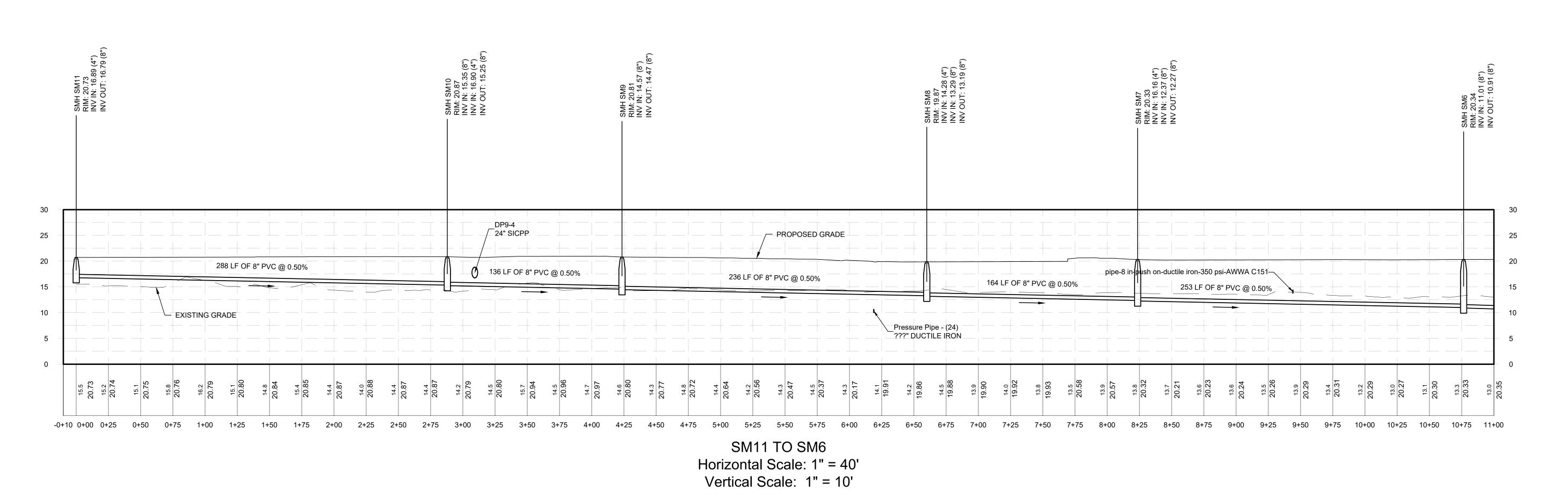












SMH SM5 RIM: 20.78 INV IN: 9.65 (8") INV IN: 14.58 (4") PROPOSED GRADE 25 36" SICPP → - 5' MIN. COVER 20 Pressure Pipe - (63) ???" DUCTILE IRON - 170 LF OF 8" PVC @ 0.74% DP7-1 - 4" SANITARY FORCEMAIN PUMP STATION WET WELL 30" SICPP EXISTING GRADE PUMP STATION VALVE PIT 12.8 20.80 12.1 12.0 20.22 11.3 20.15 11.4 12.4 20.48 11.3

SM5 TO SM4 Horizontal Scale: 1" = 40' Vertical Scale: 1" = 10'

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

PRELIMINARY PLANS NO. DATE DESCRIPTION

COMMISSION PORT DISTRICT

ALBANY SITE INFRASTRUCTURE IMPROVEMENTS ALBANY, NEW YORK

CLIENT: ALBAN DRAWN JES NSO DESIGNED AJF CHECKED 1"=40' SCALE OCTOBER 2021

18641.00

ARE ACTING UNDER THE DIRECT DIRECTION OF A LICENSI PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAF 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 SURVEYOF SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE, THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION

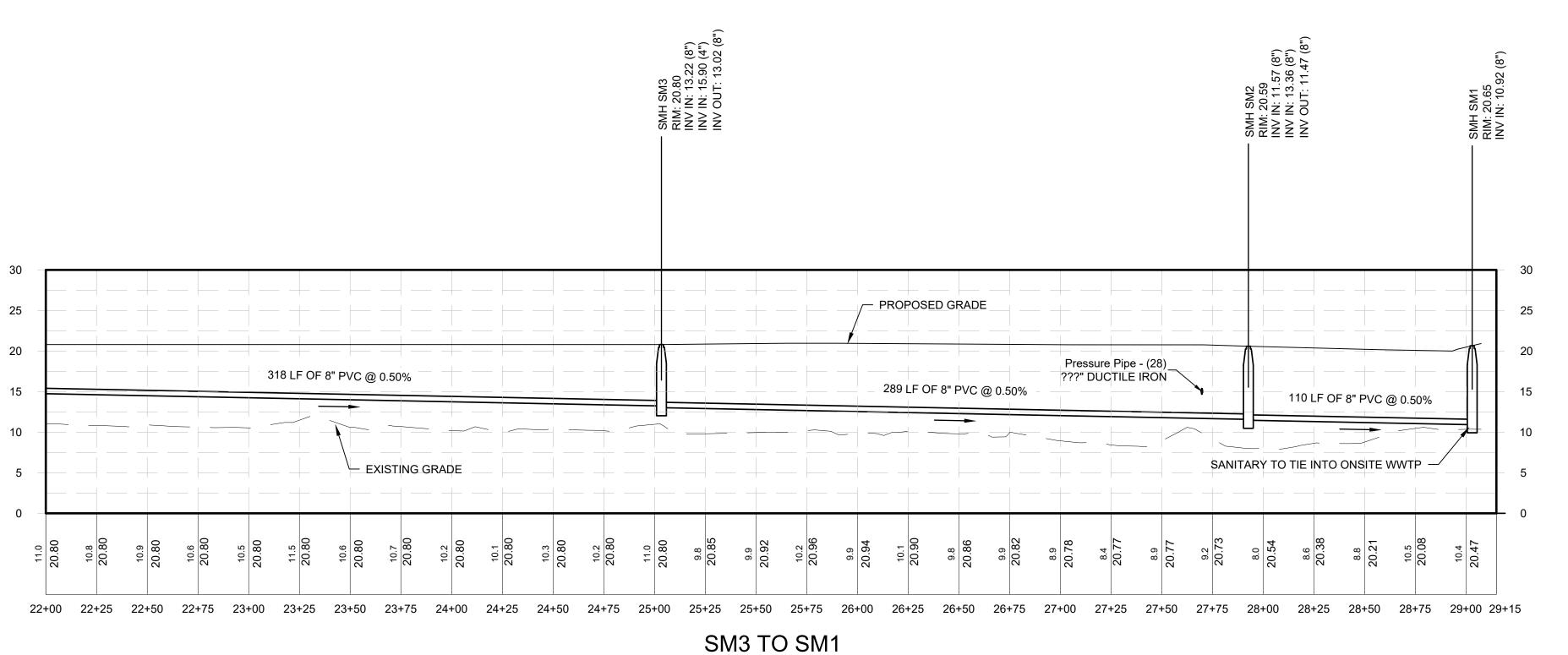
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PROJECT

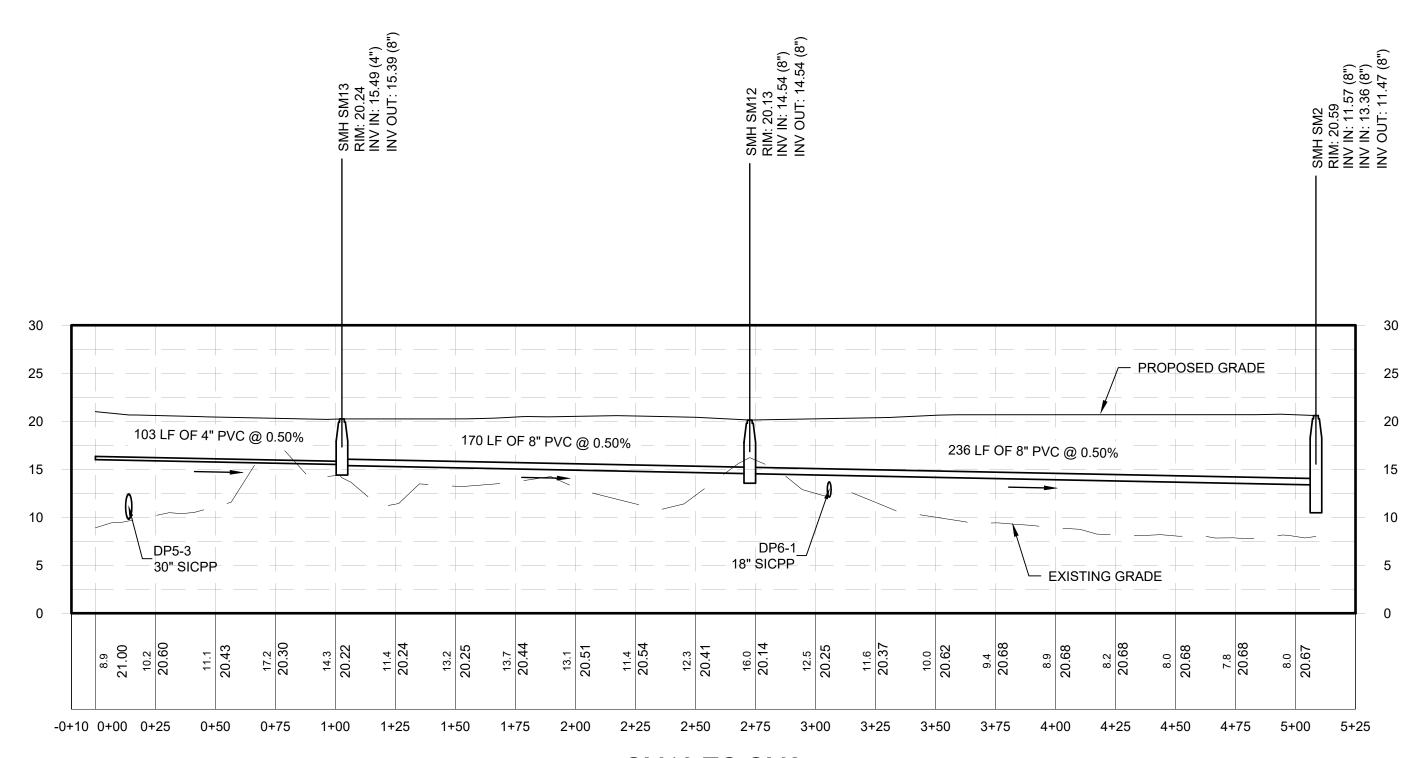
SANITARY SYSTEM **PROFILE**

DRAWING NUMBER

UT-07



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



SM13 TO SM2 Horizontal Scale: 1" = 40' Vertical Scale: 1" = 10' McFarland Johnson

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PROJECT MILESTONE

PRELIMINARY PLANS

NO.	DATE	DESCRIPTION

TURE

PORT DISTRICT COMMISSION ALBANY, NEW YORK

CLIENT: ALBANY

PORT OF ALBANY SITE INFRASTRUCTURE IMPROVEMENTS

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CHECKED AJF

SCALE 1"=40'

DATE OCTOBER 2021

PROJECT 18641.00

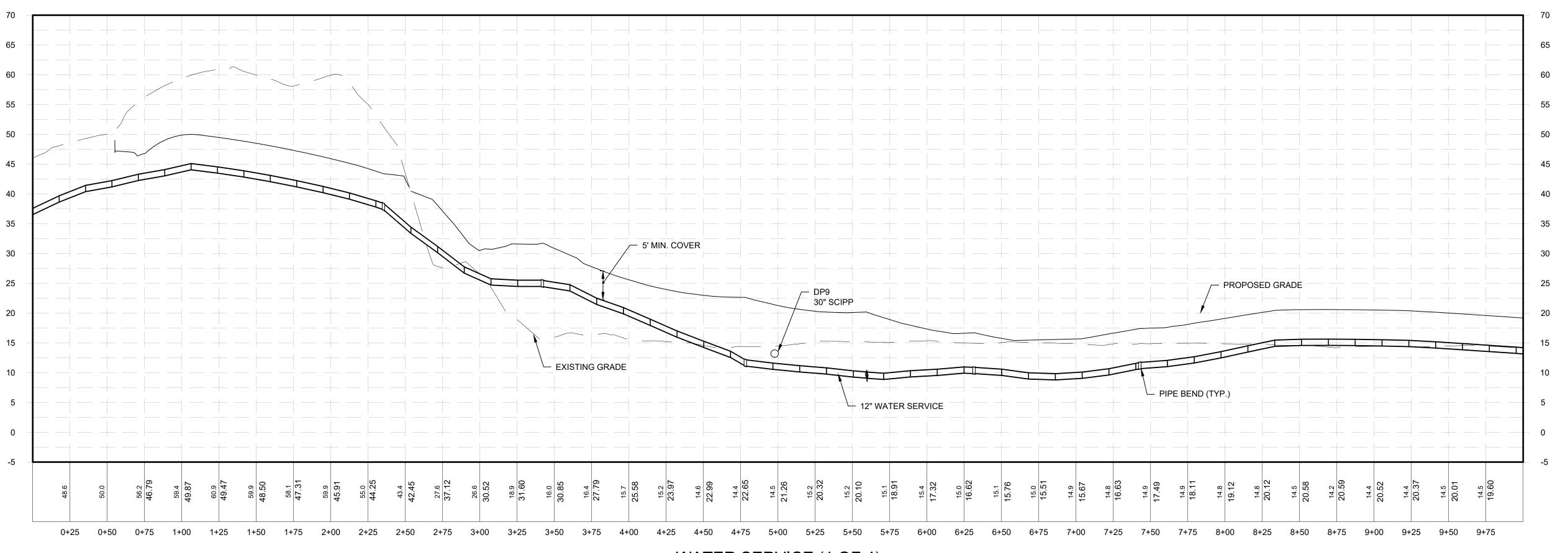
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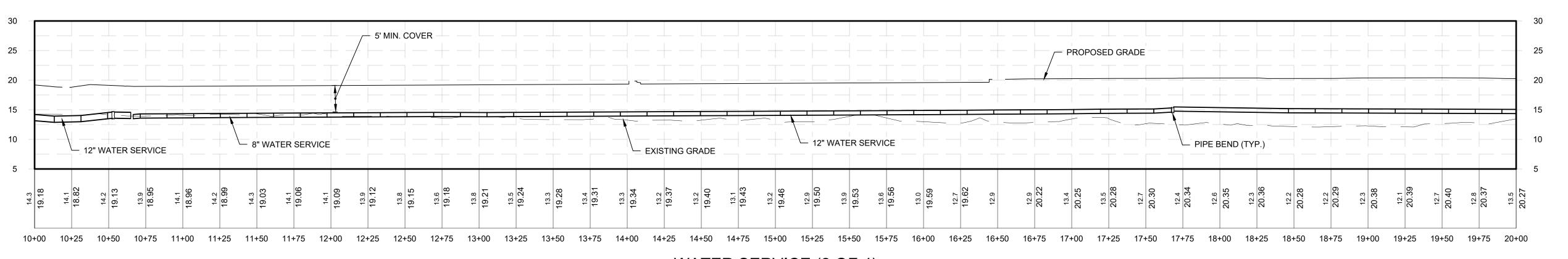
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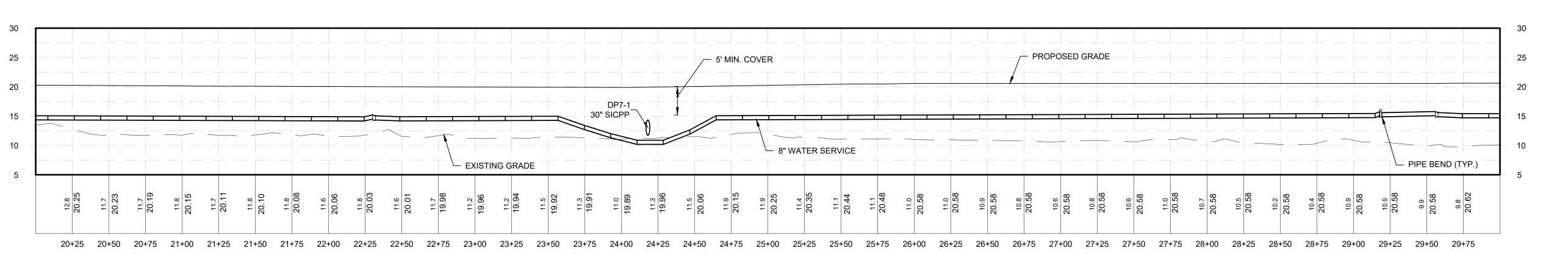
UT-08



WATER SERVICE (1 OF 4) Horizontal Scale: 1" = 40' Vertical Scale: 1" = 10'



WATER SERVICE (2 OF 4) Horizontal Scale: 1" = 40' Vertical Scale: 1" = 10'



WATER SERVICE (3 OF 4) Horizontal Scale: 1" = 40' Vertical Scale: 1" = 10'

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PROJECT MILESTONE PRELIMINARY PLANS

NO. DATE DESCRIPTION

COMMISSION

DISTRICT

CLIENT: ALBAN

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SCALE

PROJECT

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OCTOBER 2021

18641.00

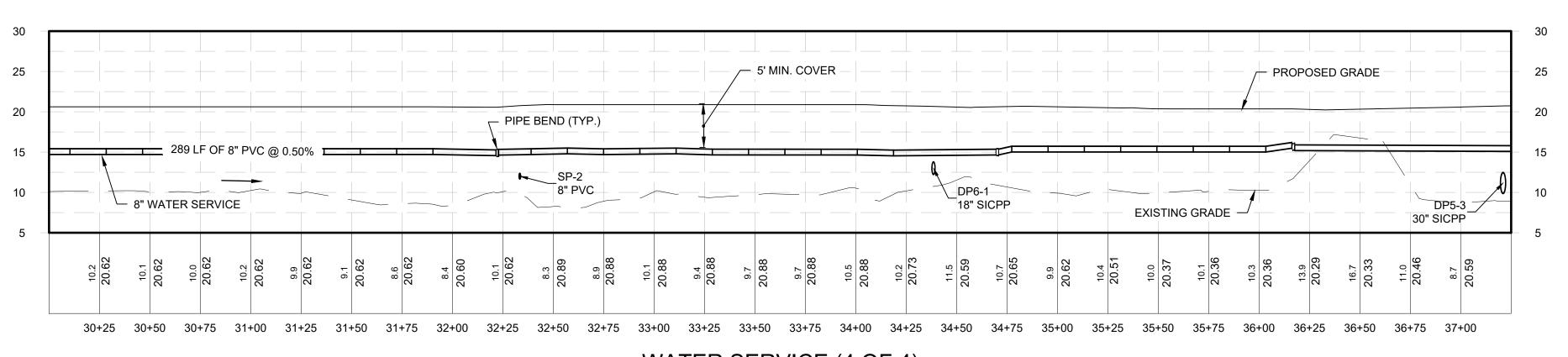
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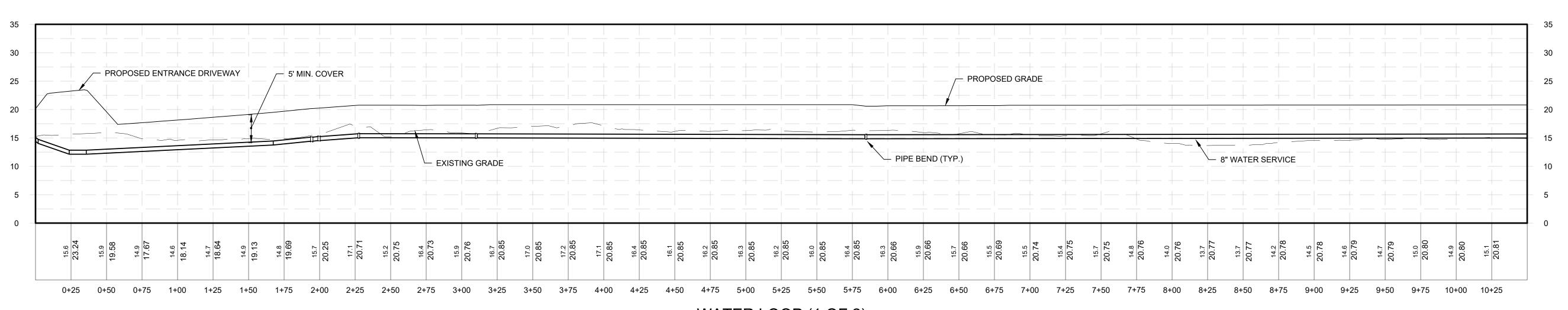
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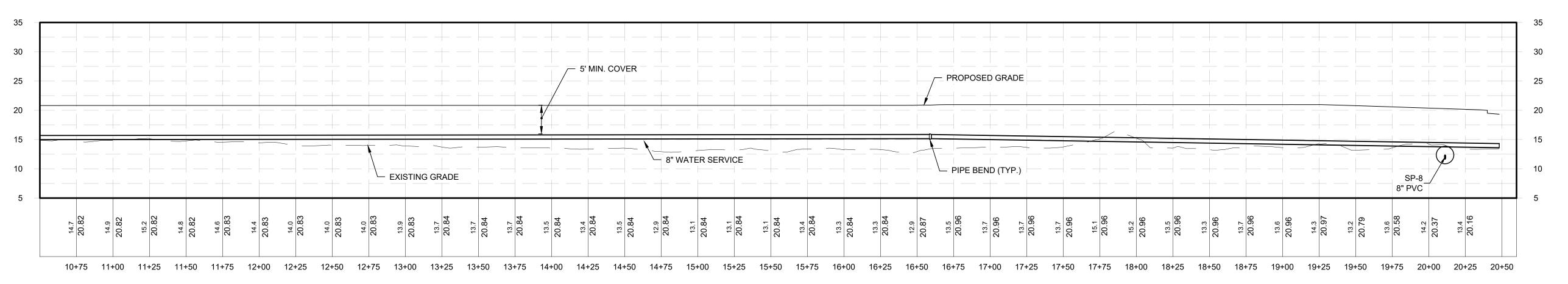
UT-09



WATER SERVICE (4 OF 4)
Horizontal Scale: 1" = 40'
Vertical Scale: 1" = 10'



WATER LOOP (1 OF 2)
Horizontal Scale: 1" = 40'
Vertical Scale: 1" = 10'



WATER LOOP (2 OF 2)
Horizontal Scale: 1" = 40'
Vertical Scale: 1" = 10'

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PROJECT MILESTONE

PRELIMINARY PLANS

NO.	DATE	DESCRIPTION

DISTRICT COMMISSION
ANY, NEW YORK

ALBANY, NEW YORK
JECT:

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SCALE 1"=40'

DATE OCTOBER 2021

18641.00

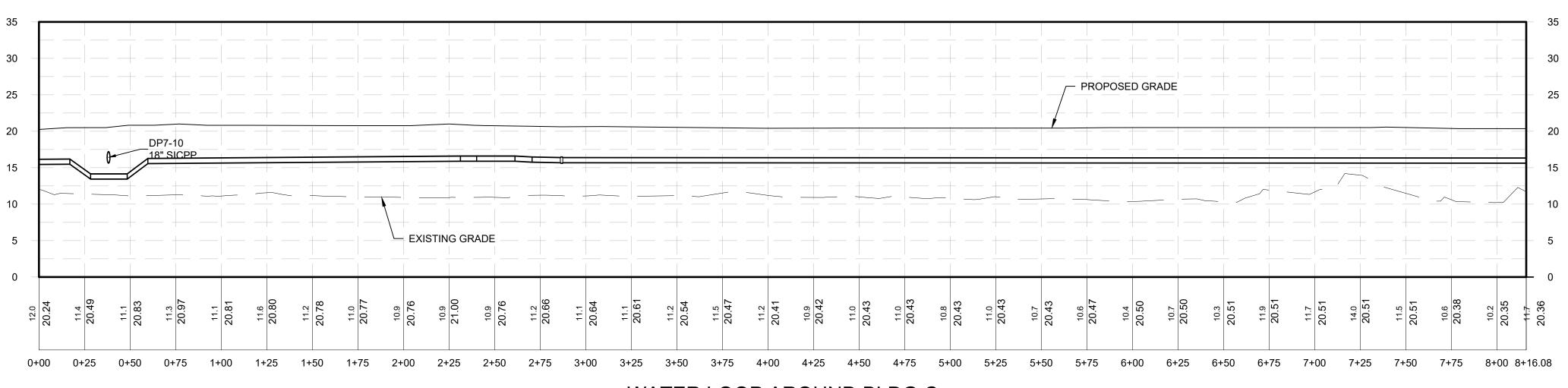
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DRAWING TITLE

WATER SYSTEM PROFILE

DRAWING NUMBER

UT-10



WATER LOOP AROUND BLDG C Horizontal Scale: 1" = 40' Vertical Scale: 1" = 10'

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SUITE 402
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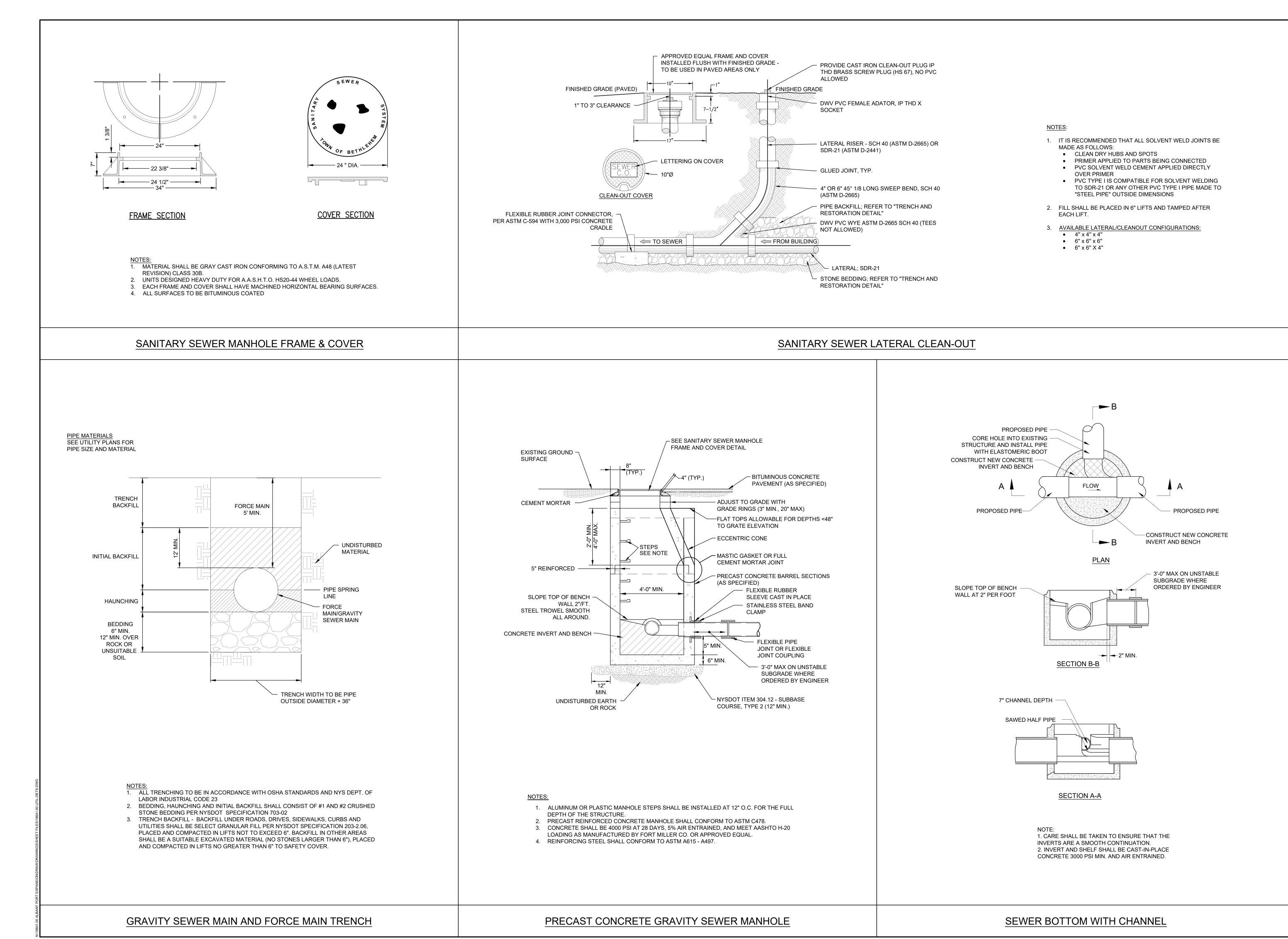
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WATER SYSTEM **PROFILE**

DRAWING NUMBER

UT-11



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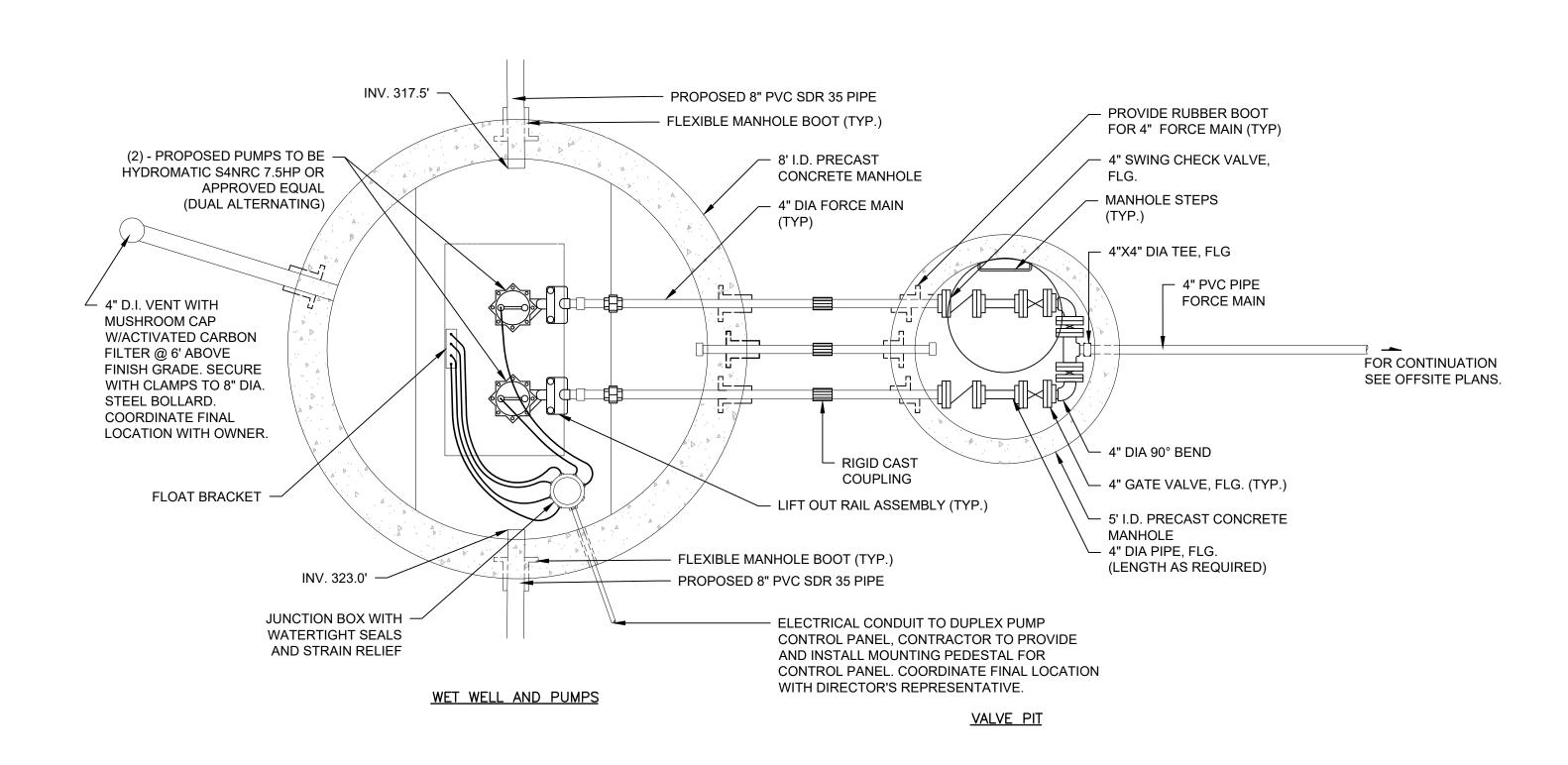
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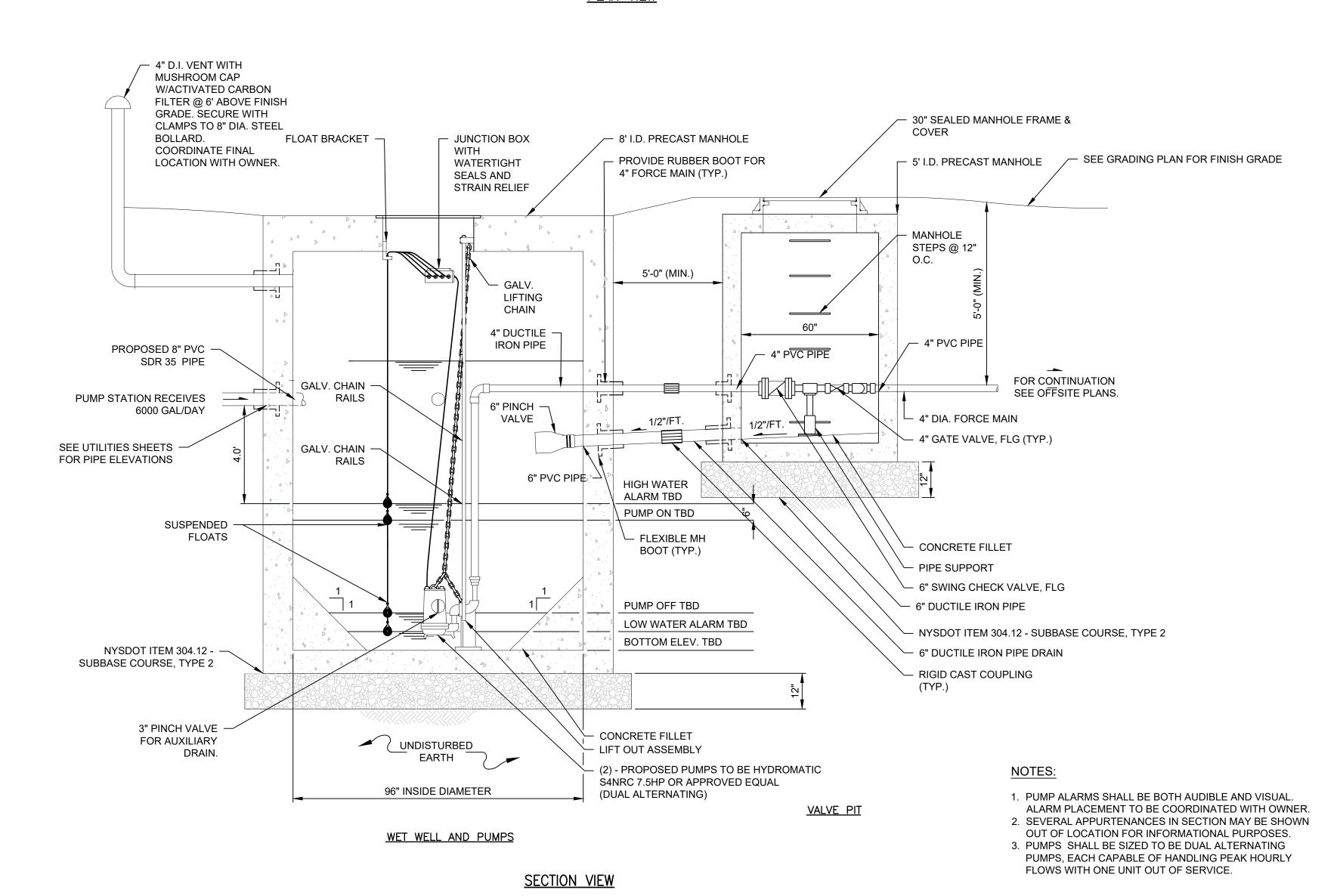
SANITARY SYSTEM **DETAILS**

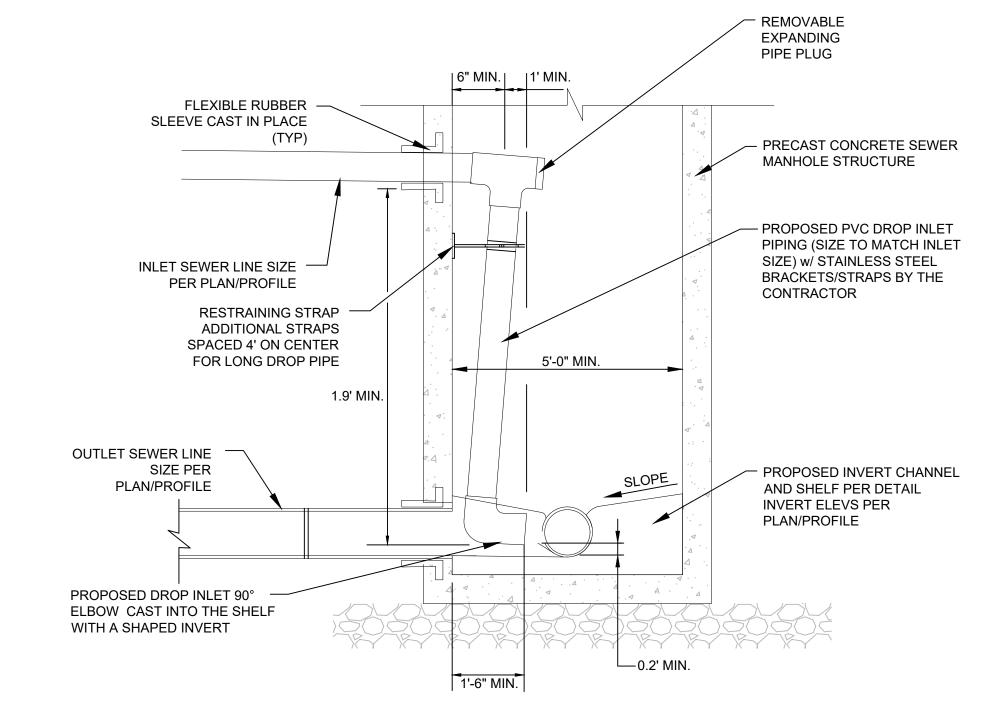
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UT-12



PLAN VIEW





DROP MANHOLE

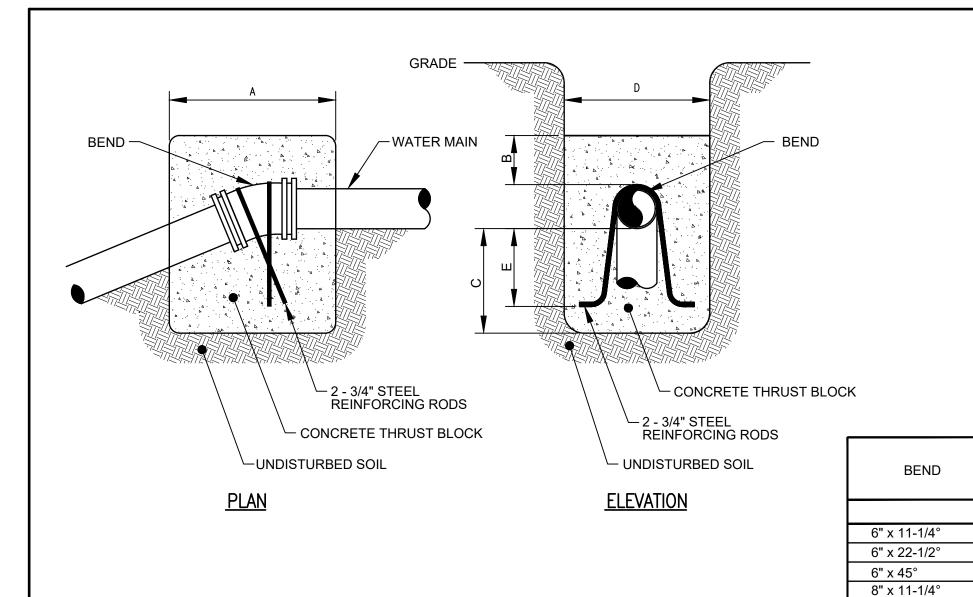
60 RAILROAD PLACE SUITE 402 SARATOGA SPRINGS, NEW YORK 12866 P:518-580-9380 F:518-580-9383 SaratogaROM@mjinc.com PROJECT MILESTONE PRELIMINARY PLANS NO. DATE DESCRIPTION SION COMMIS TR ORK TRIC NEW DIS Z ALB/ JES DRAWN NSO DESIGNED AJF CHECKED SCALE N.T.S. OCTOBER 2021 18641.00 PROJECT ARE ACTING UNDER THE DIRECT DIRECTION OF A LICENSI PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAP ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSI PROFESSIONAL IS ALTERED, THE ALTERING ENGINEE ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYO SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATIO "ALTERED BY" FOLLOWED BY THEIR SIGNATURE, THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION (DRAWING TITLE SANITARY SYSTEM **DETAILS** DRAWING NUMBER

UT-13

44 OF **53**

McFarland Johnson

PUMP STATION



MINIMUM

VOLUME OF

CONCRETE

DIMENSIONS

1.00 CY

1.50 CY

2.00 CY

1.00 CY

1.50 CY

2.50 CY

1. CONCRETE FOR THRUST BLOCKS SHALL BE CONCRETE CLASS A (OR CLASS G IF UNDERWATER) IN ACCORDANCE WITH NYSDOT SECTION 501.

MINIMUM ALLOWABLE DIMENSIONS FOR

VERTICAL THRUST BLOCKS (IN FEET)

1.3

1.8

2.0

1.3

1.8

2.0

D

3.0

3.0

3.0

3.0

3.0

3.0

1.0

1.5

1.7

1.0

1.5

2. CONCRETE NOT TO OVERLAP ANY JOINT.

Α

3.0

4.0

6.0

3.0

4.0

6.0

1.0

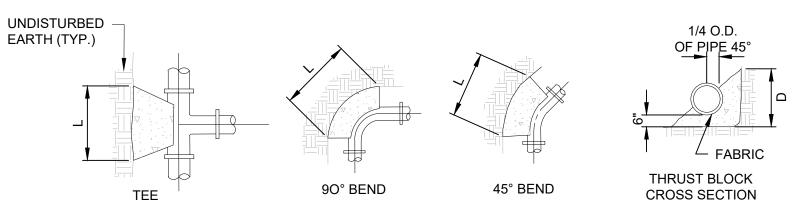
1.0

1.5

1.0

1.0

1.5



	REQUIRED BEARING AREAS & DIMENSIONS									
	FOR CONCRETE THRUST BLOCKS									
	(DIMENSIONS SHOWN IN FT)									
	TE	E	90° E	BEND	45° B	END	22-1/2	BEND	11-1/4°	BEND
PIPE	AREA	DIM	AREA	DIM	AREA	DIM	AREA	DIM	AREA	DIM
SIZE (IN)	(SQFT)	DXL	(SQFT)	DXL	(SQFT)	DXL	(SQFT)	DXL	(SQFT)	DXL
6	3.2	1.5 X 2.5	4.5	2.0 X 2.5	2.4	1.5 X 2.0	1.2	1.0 X 1.5	0.6	0.5 X 1.5
8	5.7	2.0 X 3.0	8	2.0 X 4.0	4.3	2.0 X 2.5	2.2	1.5 X 1.5	1.1	1.0 X 1.5
12	12.7	3.5 X 3.5	18.0	4.0 X 4.5	9.7	2.5 X 4.0	5.0	2.0 X 2.5	2.5	1.5 X 2.0
		ı		ı		ı		1		

- 1. CONCRETE FOR THRUST BLOCKS SHALL BE CONCRETE CLASS A (OR CLASS G IF UNDERWATER) IN ACCORDANCE WITH NYSDOT SECTION 501.
- 2. CONCRETE NOT TO OVERLAP ANY JOINT. . VALUES FOR TEE ALSO APPLY TO END PLUGS, CAPS, AND TAPPING SLEEVES
- REQUIRED BEARING AREAS ARE DUE TO THRUSTS CAUSED BY 150 PSI WORKING PRESSURE PLUS 50% (75 PSI) SURGE ALLOWANCE RESULTING IN 225 PSI TOTAL INTERNAL PRESSURE
- REQUIRED BEARING AREAS ARE BASED ON ALLOWABLE SOIL BEARING CAPACITY OF 2000 POUNDS PER SQUARE FOOT FOR SAND. DUE TO OTHER SOIL CONDITIONS ENCOUNTERED, BEARING AREAS MAY BE MODIFIED BY THE ENGINEER BY MULTIPLYING THE AREA GIVEN IN THE TABLE FOR THE APPROPRIATE PIPE SIZE AND FITTING BY THE CORRECTION FACTORS LISTED

SOIL	ALLOWABLE SOIL PRESSURE (LBS/SQFT)	CORRECTION FACTOR
SOFT CLAY	1,000	2.00
SAND	2,000	1.00
SAND & GRAVEL	3,000	0.67
SAND AND GRAVEL CEMENTED WITH CLAY	4,000	0.50
HARD SHALE	10,000	0.20

6. IN MUCK, PEAT, OR RECENTLY PLACED FILL ALL THRUST BLOCKS SHALL BE RESISTED BY PILES OF TIE RODS TO SOLID FOUNDATIONS, OR BY REMOVAL OF SUCH UNSTABLE MATERIAL AND REPLACEMENT WITH BALLAST OF SUFFICIENT STABILITY TO RESIST THE THRUSTS, ALL AS REQUIRED BY THE ENGINEER.

McFarland Johnson

60 RAILROAD PLACE

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PROJECT MILESTONE

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PRELIMINARY PLANS

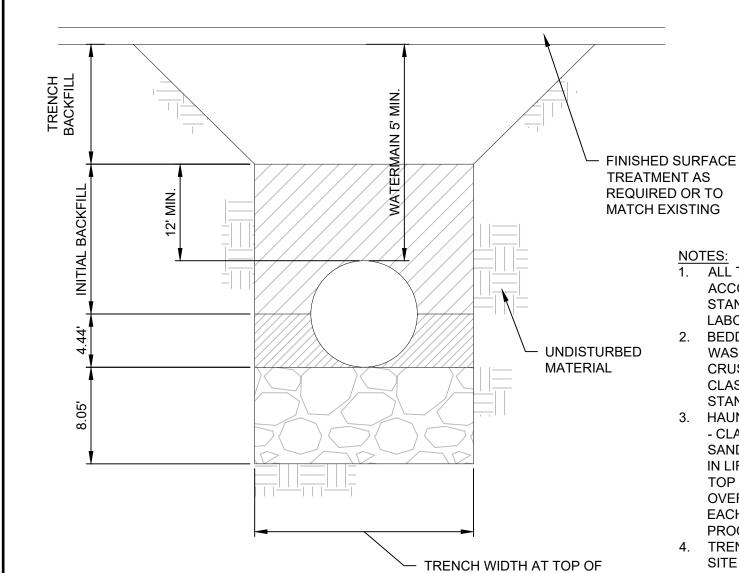
NO.	DATE	DESCRIPTION

VERTICAL THRUST BLOCK DETAILS

8" x 22-1/2°

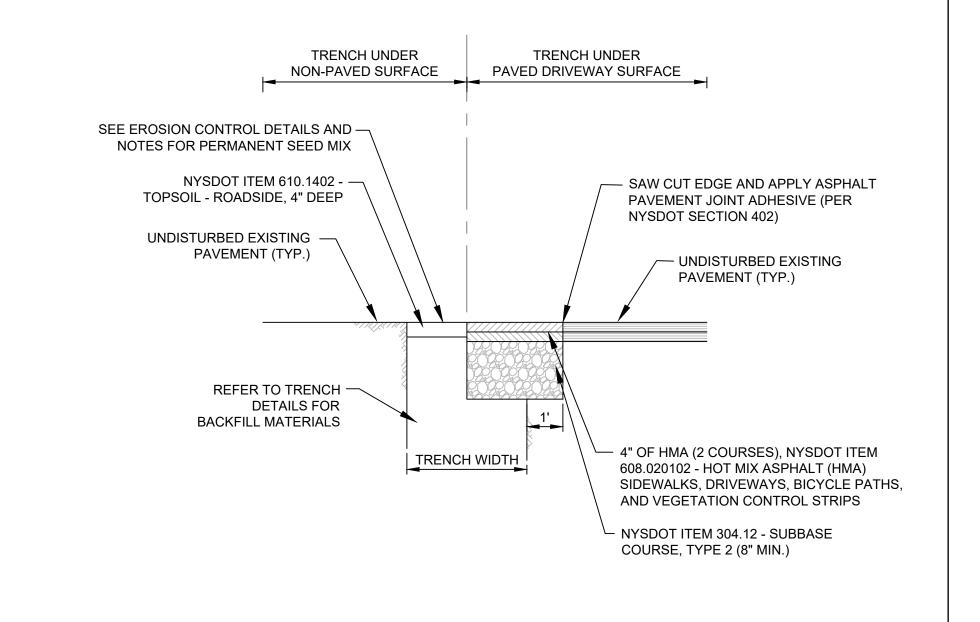
8" x 45°

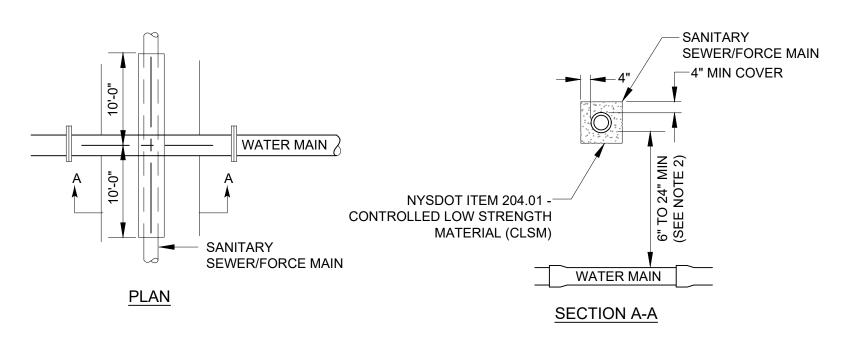
HORIZONTAL THRUST BLOCK DETAILS



ALL TRENCHING TO BE IN ACCORDANCE WITH OSHA STANDARDS AND NYS DEPT. OF LABOR INDUSTRIAL CODE 23 BEDDING - CLASS I OR II MATERIAL WASHED SAND, SEA GRAVEL OR

- CRUSHED STONE. COMPACT CLASS II MATERIAL TO 85% STANDARD PROCTOR DENSITY. HAUNCHING AND INITIAL BACKFILL - CLASS II MATERIAL; COARSE SAND OR SELECT GRAVEL. PLACE IN LIFTS; TO PIPE SPRING LINE, TO TOP OF PIPE AND TO 12" MINIMUM OVER TOP OF PIPE. COMPACT EACH LIFT TO 85% STANDARD PROCTOR DENSITY. TRENCH BACKFILL - APPROVED ON
- SITE OR IMPORTED MATERIAL. PLACE IN 8" LIFTS AND COMPACT TO 95% STANDARD PROCTOR DENSITY.





WHENEVER POSSIBLE WATER MAIN PIPE JOINTS SHALL BE STAGGERED SO AS NOT TO BE LOCATED AT THE POINT OF CROSSING.

- EXISTING SURFACE

2. CONCRETE ENCASEMENT NOT REQUIRED IF VERTICAL SEPARATION IS

WATER MAIN/SEWER CROSSING DETAIL

VALVE BOX LID/CLEANOUT

VALVE BOX/CLEANOUT BOX

TRACER WIRE SPLICE KIT

EXTEND 2' OF EXTRA TRACER WIRE INSIDE

1 LB. BARE ZINC OR -

MAGNESIUM ANODE

24" OR GREATER

MARKING TAP PLACED 18" -

ABOVE PIPE

TRACER WIRE PLACED NO -

SIDE OF PIPE

MORE THAN 6" FROM TOP OR

JES DRAWN NSO DESIGNED AJF CHECKED N.T.S. SCALE OCTOBER 2021 18641.00 PROJECT

WATER MAIN TRENCH

OF PIPE TO BE PIPE

OUTSIDE DIAMETER + 36"

TRENCH UNDER GRASS AND DRIVEWAY DETAIL

1" CURB STOP — 1" COPPER (MIN) CORPORATION STOP

1. IMMEDIATELY PRIOR TO THE AUTHORITY PLACING WATER MAIN IN SERVICE CONTRACTOR SHALL REMOVE ALL CORPORATIONS ASSOCIATED WITH TEMPORARY FACILITIES (I.E. SAMPLING TAPS, ETC.) AND REPLACE WITH THREADED BRASS PLUGS.

DISINFECTION/BLOW-OFF/SAMPLING TAP

- PROVIDE EMBEDDED BRASS I.D. PLATE INDICATING SERVICE, FLUSH WITH PAVEMENT TYPE OF VALVE, OPENING DIRECTION AND NO. OF TURNS TO OR 1" ABOVE GRASSED **EXISTING** GRADE SLIDE-TYPE VALVE BOX (SEE INSTALL DETAIL) NYSDOT ITEM 304.12 - SUBBASE COURSE, TYPE 2 RESTRAINED JOINT GLAND SEE PLAN FOR PIPE SIZE(S) EXISTING UTILITY FL/M.J. TAPPING GATE TAPPING SLEEVE VALVE W/BOX SIZE PER PLANS

NOTES: 1. TAPPING VALVES SHALL BE IRON BODY, BRONZE MOUNTED, RESILIENT WEDGE CONFORMING TO AWWA C509 AND SHALL HAVE A MINIMUM **OPERATING PRESSURE** OF 200 PSI AND BE FACTORY TESTED AT 400 PSI. ALL TAPPING VALVES SHALL BE MODEL T-2360 AS MANUFACTURED BY MUELLER CO OR APPROVED EQUAL. TAPPING SLEEVES SHALL

BE JCM 412 OR APPROVED EQUAL. THE TOWN OF SCHODACK

WATER AND SEWER DEPARTMENT SHALL APPROVE MODEL PRIOR TO INSTALLATION. OTHER TYPES OF TAPPING SLEEVES MAY BE REQUIRED AS DIRECTED BY THE TOWN OF SCHODACK WATER AND SEWER DEPARTMENT ON A CASE-BY-CASE BASIS.

1. ANODES SHALL BE ONE POUND (1 LB.) BARE ZINC OR MAGNESIUM (OR APPROVED EQUAL) PLACED AT THE BEGINNING AND THE END OF THE WATERLINE/SEWER AND AT EVERY VALVE BOX/MANHOLE AND/OR AT LEAST EVERY FIVE HUNDRED FEET (500') WITHIN.

- 2. TRACER WIRE SHALL BE 12AWG ANNEALED SOFT COPPER (SOLID) WITH COLOR CODED 30MIL HDPE JACKET PER SERVICE. TRACER WIRE SHALL BE PLACED NO FURTHER THAN 6" TO THE SIDE OR ABOVE THE PIPE. TRACER WIRE SHALL BE ACCESSIBLE AT EVERY VALVE BOX/MANHOLE OR TEST
- MARKING TAPE SHALL BE INSTALLED 18" ABOVE PVC PIPE. MARKER TAPE SHALL BE AT LEAST 3" IN

WIDTH AND COLOR CODED PER SERVICE.

STATIONS AS LEAST EVERY 500'.

DRAWING NUMBER

DRAWING TITLE

UT-14

RE ACTING UNDER THE DIRECT DIRECTION OF A LICENSI

PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAF

VAY. IF AN ITEM BEARING THE STAMP OF A LICENSI

PROFESSIONAL IS ALTERED, THE ALTERING ENGINEE

RCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYO

SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION

"ALTERED BY" FOLLOWED BY THEIR SIGNATURE, THE DA

F SUCH ALTERATION, AND A SPECIFIC DESCRIPTION

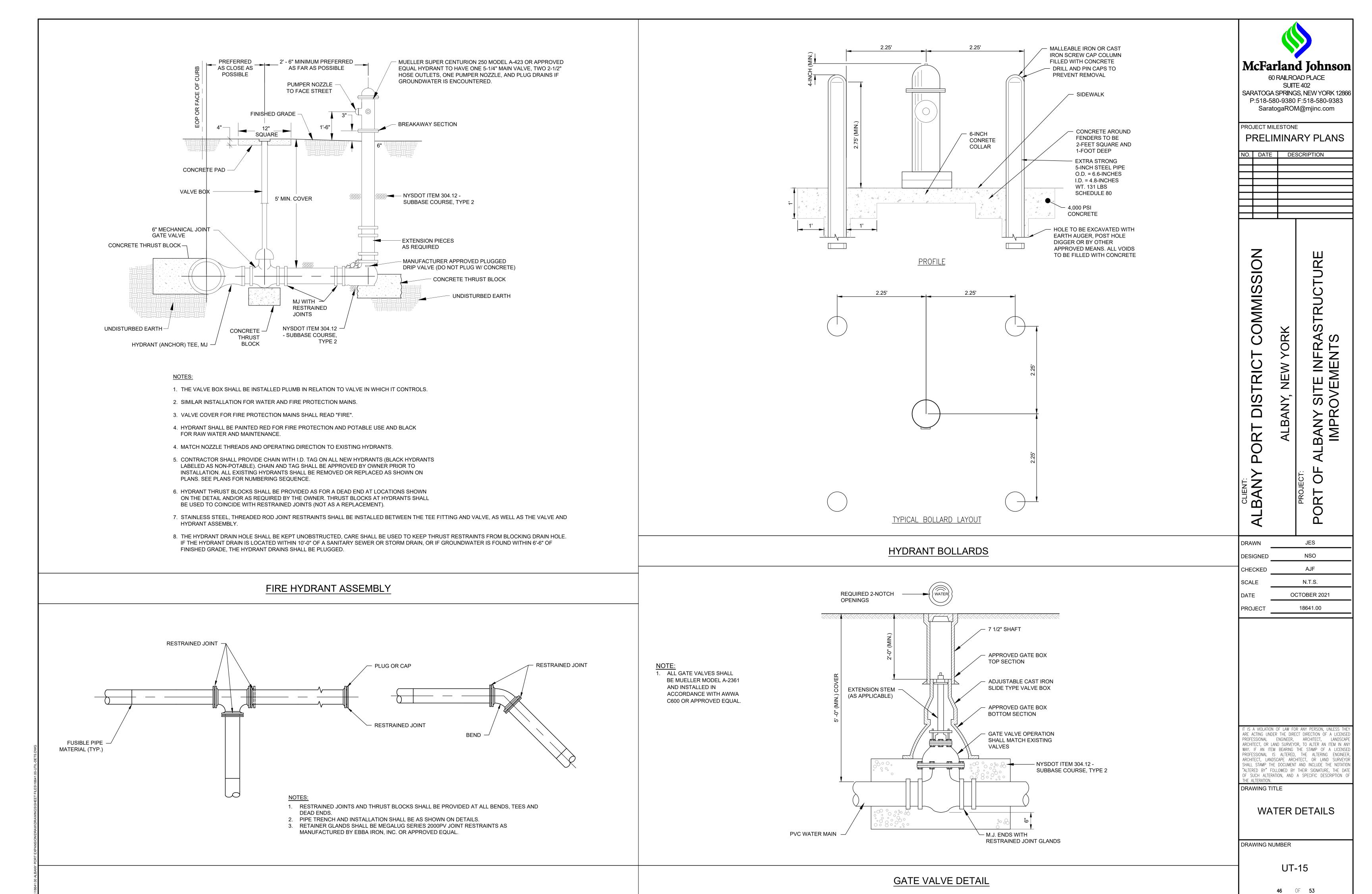
WATER DETAILS

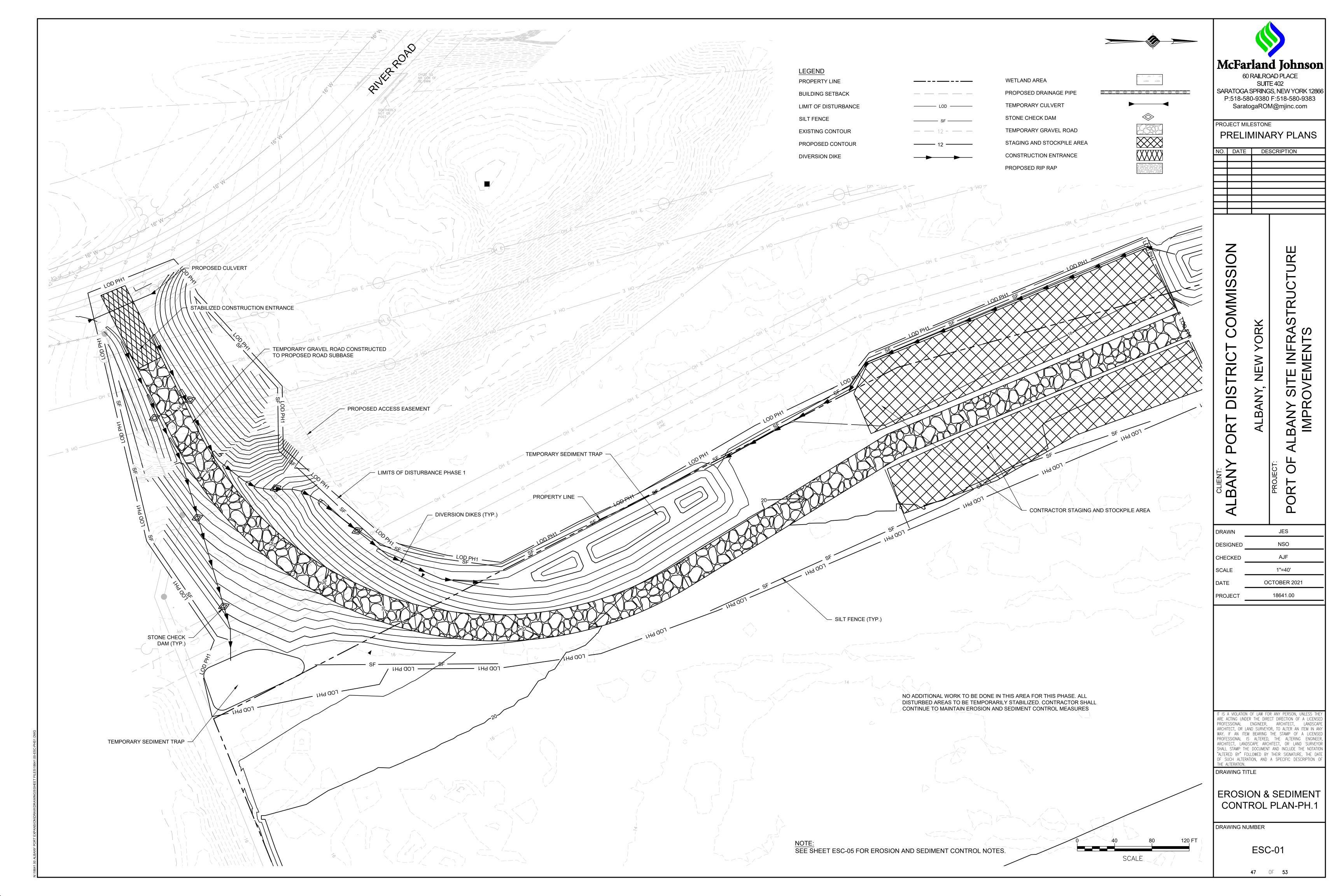
ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY

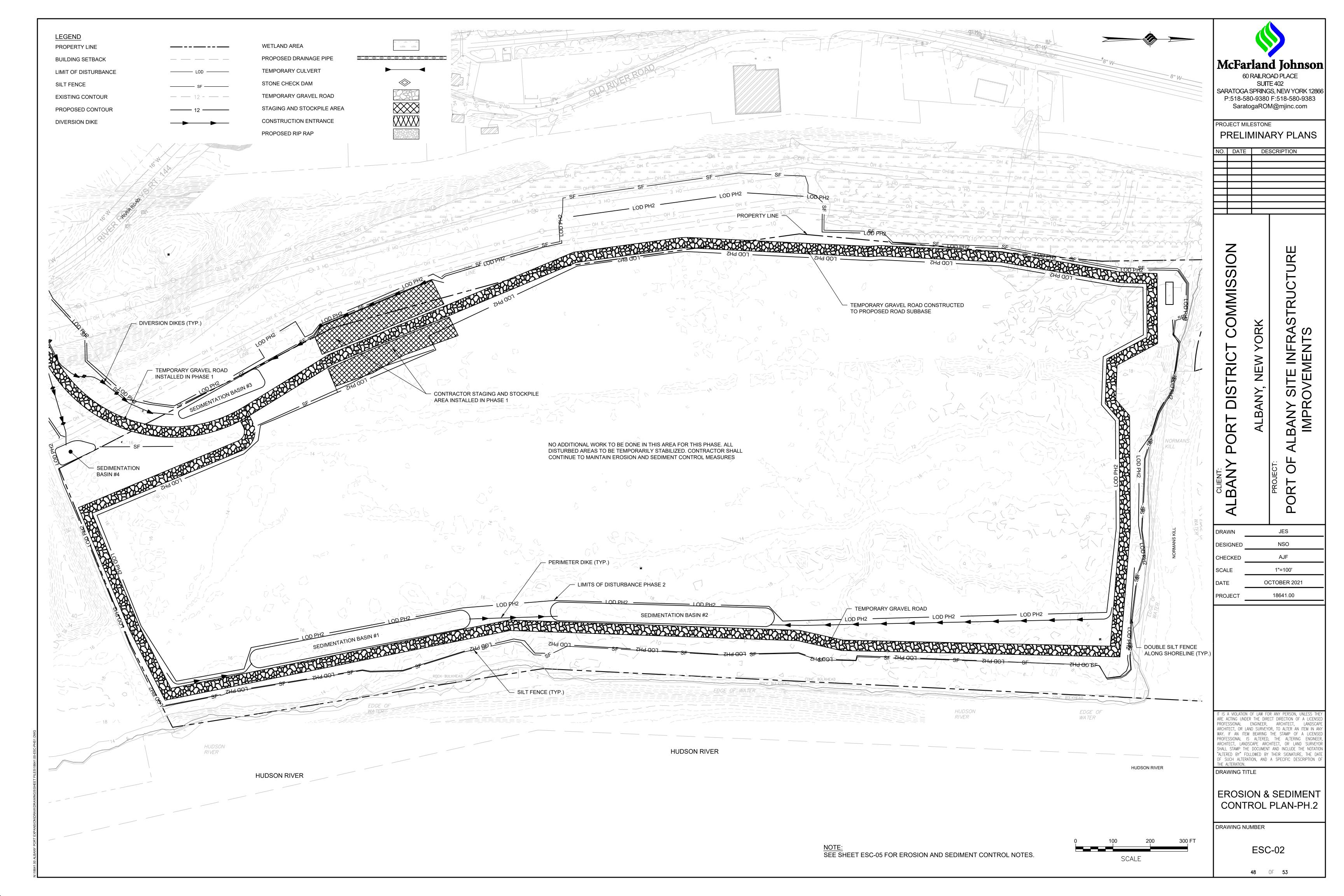
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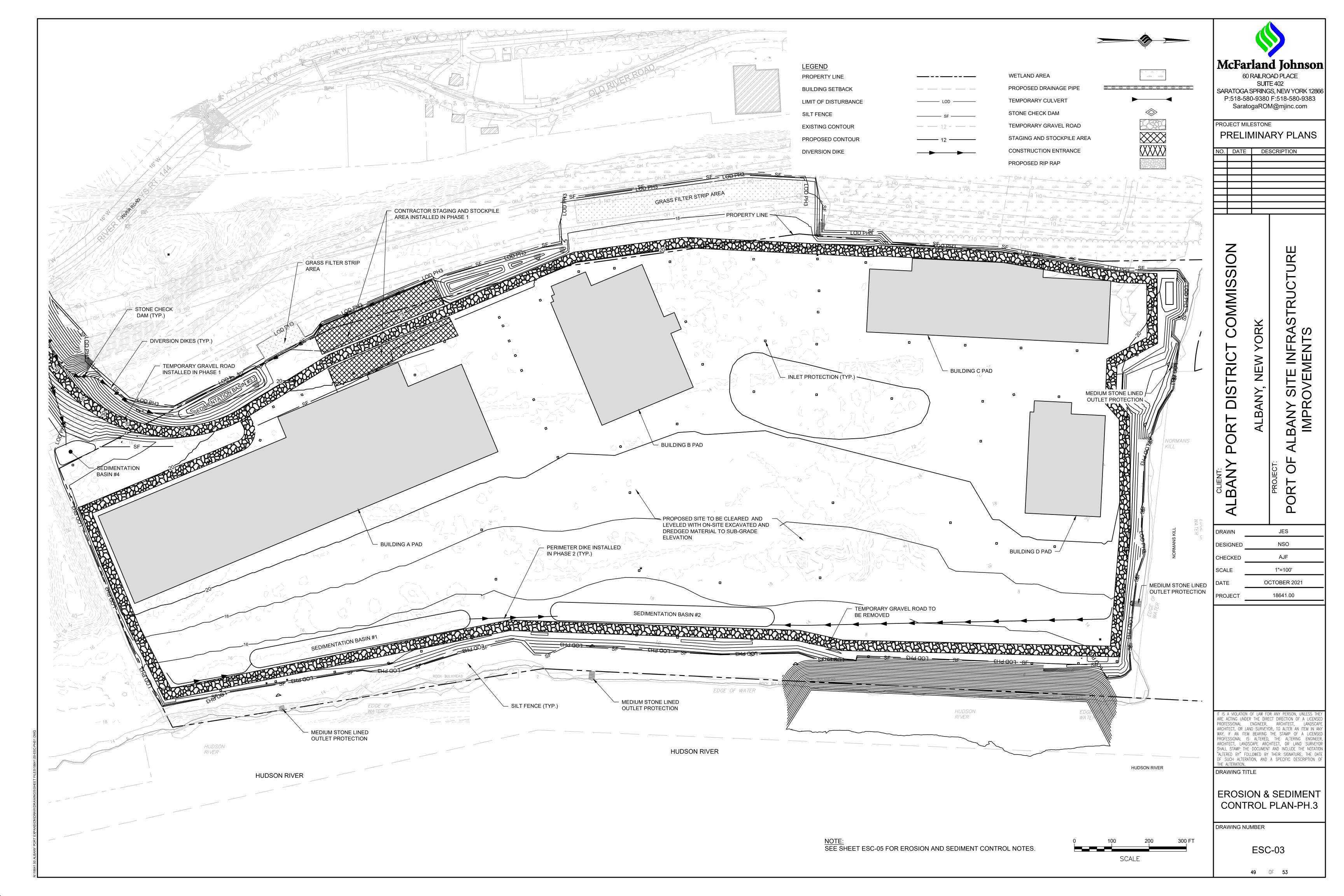
WET TAP DETAIL

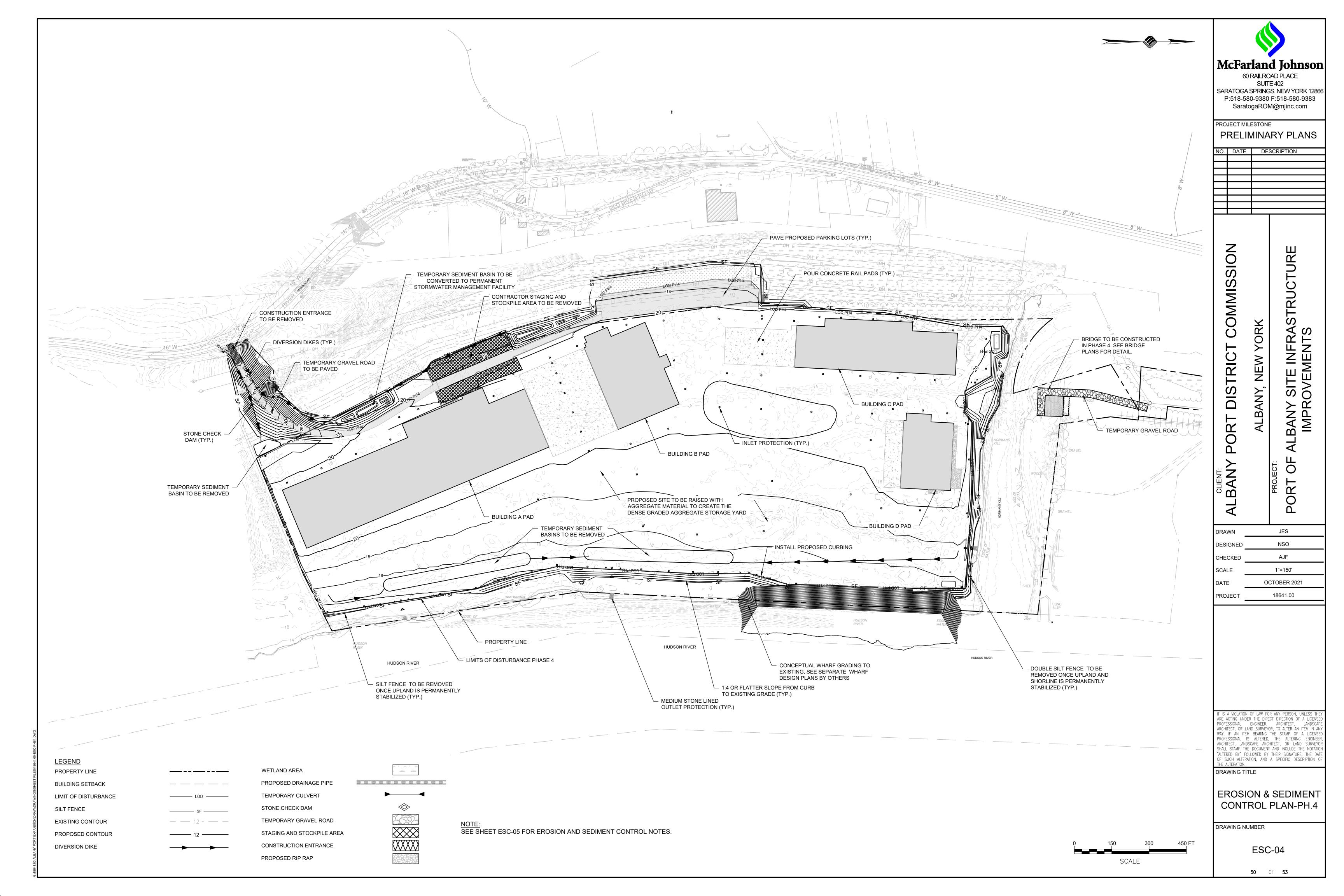
WATERMAIN/SANITARY SEWER FORCE MAIN TRACER WIRE/MARKER TAPE DETAIL











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.
- 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.5. 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
- 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.
- 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".
- C. 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.
- 12. ALL DISTURBED AREAS SHALL BE STABILIZED, SEEDED AND MULCHED WITHIN 7 DAYS OF CEASED CONSTRUCTION ACTIVITY.
- 13. TOTAL PROJECT DISTURBANCE AREA PER THE NYSDEC SPDES STANDARDS IS 79 ACRES.
- 14. 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:

- 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.

PERMANENT SEEDING SLOPED AREAS:

- 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. 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.
- 4. IMMEDIATELY SEED PER SEED SCHEDULE SPECIFIED ON LANDSCAPE PLAN.
- 5. PROVIDE JUTE MESH IF SPECIFIED ON PLANS OR MULCH WITH CLEAN (WEED FREE) STRAW.

EROSION AND SEDIMENT CONTROL SEQUENCE:

THE TOWN OF BETHLEHEM SHOULD BE NOTIFIED PRIOR TO CONSTRUCTION ACTIVITIES STARTING AND CEASING DISTURBANCE OF OVER 5 ACRES AT ONE TIME.

PHASE I:

- INSTALL CONSTRUCTION ENTRANCE ROADS
- ESTABLISH THE PROJECT CONSTRUCTION STAGING/OFFICE AREA
 USE ANY ACCESS ROAD CUT MATERIAL AS FILL FOR THE CONSTRUCTION STAGING AREA
- TEMPORARILY STABILIZE ALL DISTURBED AREAS
- INSTALL SILT FENCE DOWNSTREAM OF ALL DISTURBED AREAS
- STABILIZE THE CONSTRUCTION ACCESS ROAD DISTURBANCE AREA PRIOR TO PROGRESSING TO PHASE II

PHASE II:

- INSTALL PERIMETER CONTROLS
- INSTALL CONSTRUCTION ACCESS ROAD AROUND THE PERIMETER OF THE SITE
- CONSTRUCT SEDIMENTATION BASINS
 STABILIZE ALL DISTURBED AREAS BEFORE PROGRESSING INTO PHASE III

PHASE

- SITE TO BE CLEARED AND GRUBBED
- BALANCE CUT AND FILLS IN THE SITE
- COMPACT/IMPROVE EXISTING GROUND CONDITIONS ACCORDING TO GEOTECHNICAL REPORT
- IMPORT MATERIAL TO RAISE THE SITE TO PROPOSED SUBGRADE ELEVATIONS
 ESTABLISH BUILDING FOOTPRINTS AND INITIATION BUILDING FOUNDATION CONSTRUCTION
- INSTALL STORM SEWER SYSTEM WITH INLET PROTECTION FOR DRAINAGE STRUCTURES AND STONE LINING OUTLET PROTECTION
- INSTALL SITE UTILITIES
- STABILIZE ALL DISTURBED AREAS BEFORE PROGRESSING INTO PHASE IV

PHASE IV:

- CONVERT TEMPORARY SEDIMENT BASINS TO PERMANENT STORMWATER MANAGEMENT
- FACILITIESPOUR ALL PROPOSED CONCRETE RAIL PADS AND SIDEWALKS
- INSTALL PROPOSED CONCRETE CURBING
- PAVE PARKING LOT AREAS
- REMOVE CONSTRUCTION STAGING AREA
- FINAL STABILIZATION FOR EMBANKMENT SLOPES ALONG THE NORMANS KILL AND HUDSON RIVER

TEMPORARY SEEDING:

- 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 NOTES:

SOIL RESTORATION PROCEDURE:

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

- 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.

MAINTENANCE:

A SIMPLE MAINTENANCE AGREEMENT SHOULD IDENTIFY WHERE SOIL RESTORATION IS APPLIED, WHERE NEWLY RESTORED AREAS ARE/CANNOT BE CLEARED, WHO THE RESPONSIBLE PARTIES ARE TO ENSURE THAT ROUTINE VEGETATION IMPROVEMENTS ARE MADE (I.E., THINNING, INVASIVE PLANT REMOVAL, ETC.). SOIL COMPOST AMENDMENTS WITHIN A FILTER STRIP OR GRASS CHANNEL SHOULD BE LOCATED IN PUBLIC RIGHT OF WAY, OR WITHIN A DEDICATED STORMWATER OR DRAINAGE

FIRST YEAR MAINTENANCE OPERATIONS INCLUDES:

- INITIAL INSPECTIONS FOR THE FIRST SIX MONTHS (ONCE AFTER EACH STORM GREATER THAN HALF-INCH)
- RESEEDING TO REPAIR BARE OR ERODING AREAS TO ASSURE GRASS STABILIZATION
- WATER ONCE EVERY THREE DAYS FOR FIRST MONTH, AND THEN PROVIDE A HALF INCH OF WATER PER WEEK DURING FIRST YEAR. IRRIGATION PLAN MAY BE ADJUSTED ACCORDING TO THE RAIN EVENT.
- FERTILIZATION MAY BE NEEDED IN THE FALL AFTER THE FIRST GROWING SEASON TO INCREASE PLANT VIGOR.

ONGOING MAINTENANCE:

TWO POINTS HELP ENSURE LASTING RESULTS OF DECOMPACTION:

- 1. PLANTING THE APPROPRIATE GROUND COVER WITH DEEP ROOTS TO MAINTAIN SOIL STRUCTURE.
- KEEPING THE SITE FREE OF VEHICULAR AND FOOT TRAFFIC OR OTHER WEIGHT LOADS. CONSIDER PEDESTRIAN FOOTPATHS. (SOMETIMES IT MAY BE NECESSARY TO DE-THATCH THE TURF EVERY FEW YEARS).



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PROJECT MILESTONE

PRELIMINARY PLANS

NO.	DATE	DESCRIPTION

LBANY PORT DISTRICT COMMISS ALBANY, NEW YORK PROJECT:

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

JES

NSO

AJF

N.T.S.

OCTOBER 2021

18641.00

DRAWING TITLE

DRAWN

DESIGNED

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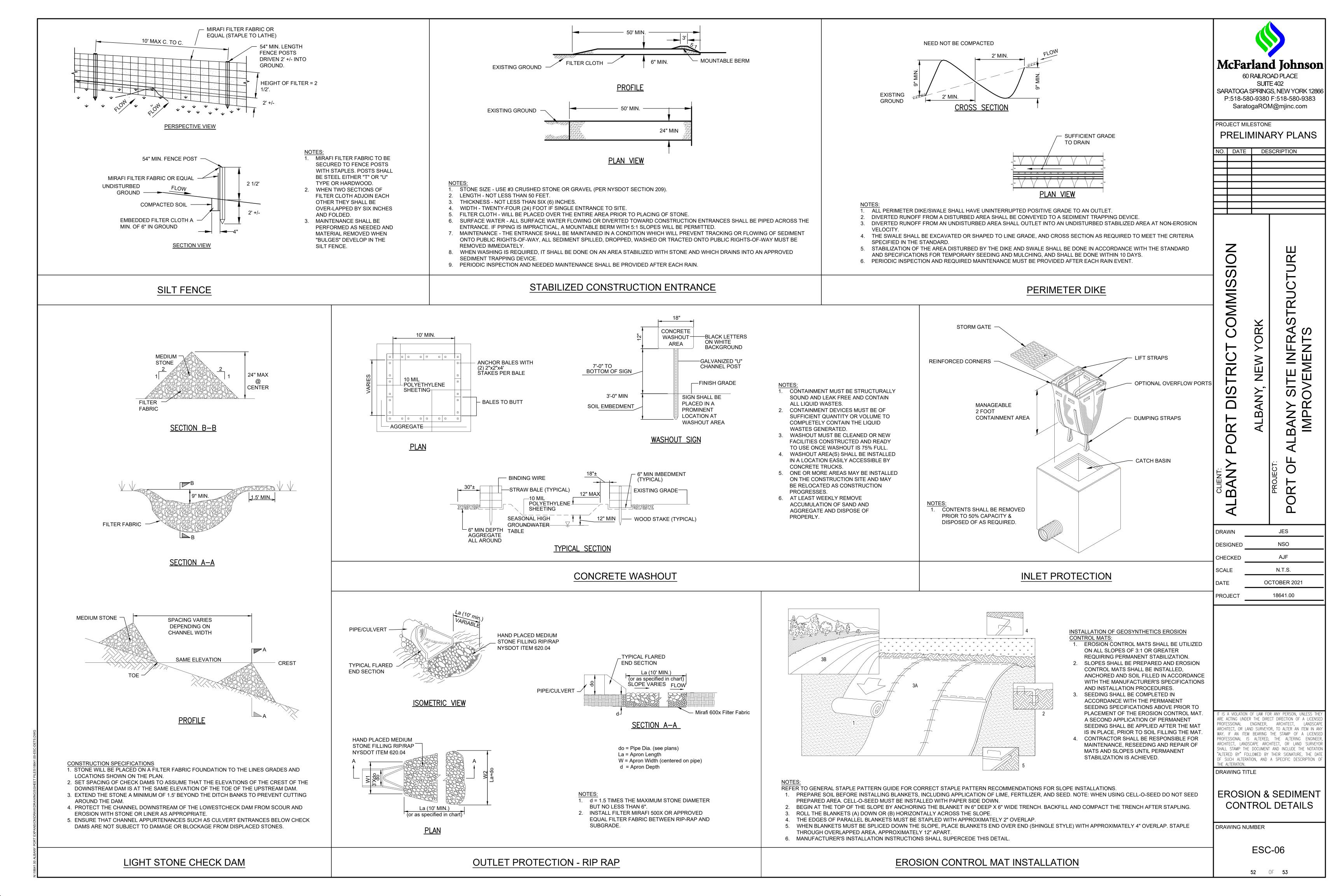
PROJECT

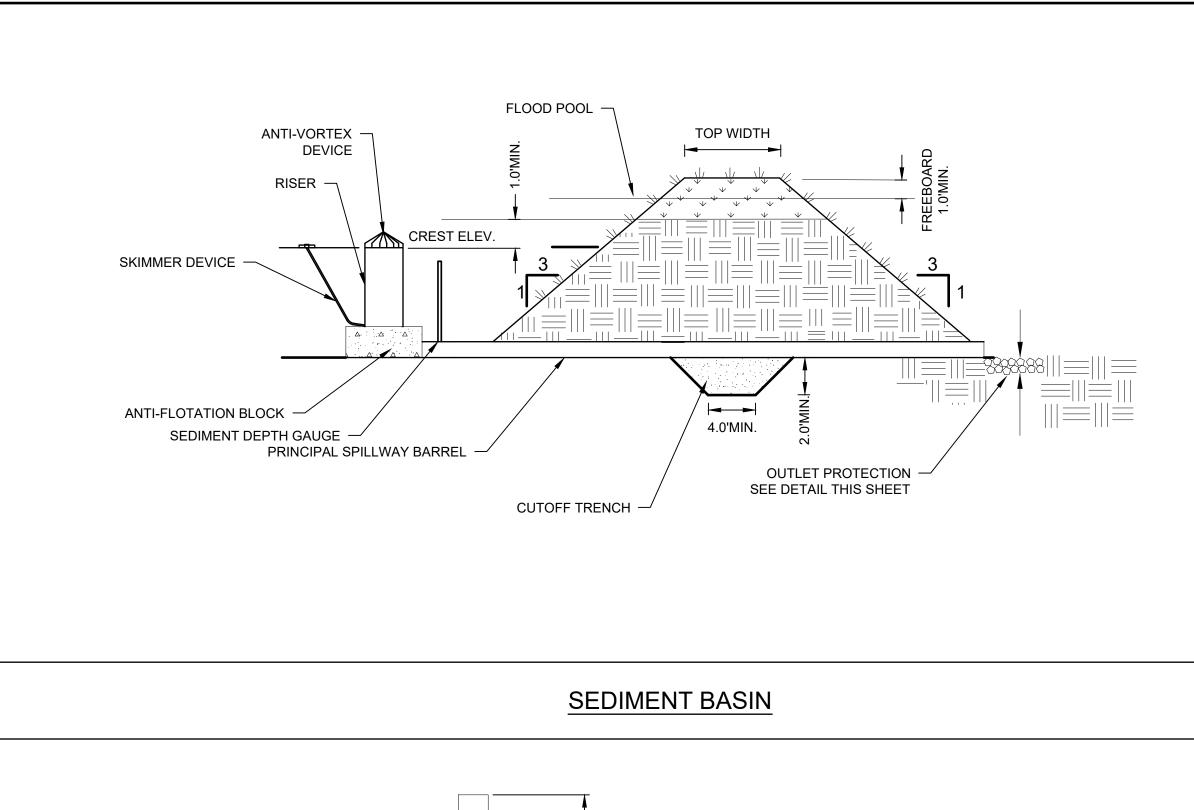
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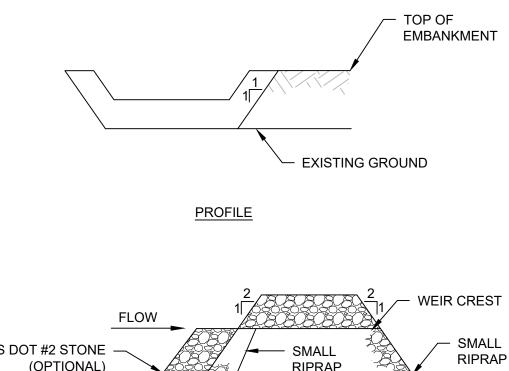
EROSION & SEDIMENT CONTROL NOTES

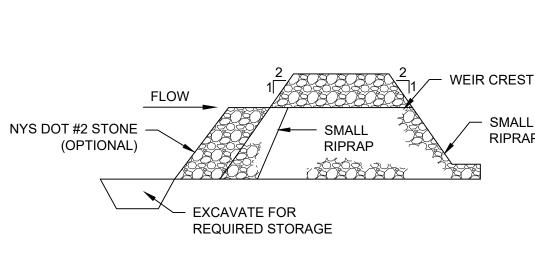
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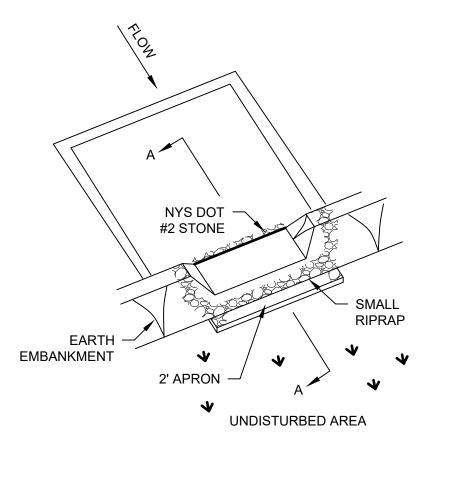








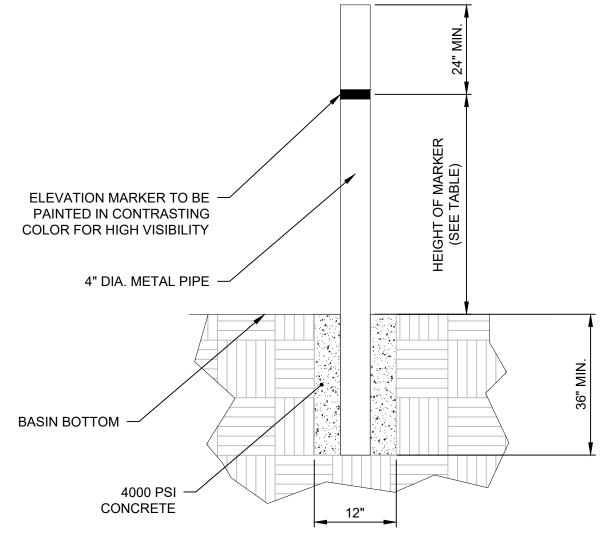
CROSS SECTION A-A



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

AREA UNDER EMBANKMENT SHALL BE CLEARED, GRUBBED AND STRIPPED OF ANY VEGETATION AND ROOT MAT. THE POOL AREA SHALL BE CLEARED.

- 2. THE FILL MATERIAL FOR THE EMBANKMENT SHALL BE FREE OF ROOTS AND OTHER WOODY VEGETATION AS WELL AS OVER-SIZED STONES, ROCKS, ORGANIC MATERIAL OR OTHER OBJECTIONABLE MATERIAL. THE EMBANKMENT SHALL BE COMPACTED BY TRAVERSING WITH EQUIPMENT WHILE IT IS BEING CONSTRUCTED.
- 3. ALL CUT AND FILL SLOPES SHALL BE 2:1 OR FLATTER.
- 4. THE STONE USED IN THE OUTLET SHALL BE SMALL RIPRAP 4"-8" ALONG WITH A 1' THICKNESS OF 2" AGGREGATE PLACED ON THE UP-GRADE SIDE ON THE SMALL RIPRAP OR EMBEDDED FILTER CLOTH IN THE RIPRAP.
- 5. SEDIMENT SHALL BE REMOVED AND TRAP RESTORED TO ITS ORIGINAL DIMENSIONS WHEN THE SEDIMENT HAS ACCUMULATED TO ½ THE DESIGN DEPTH OF THE TRAP. IT SHALL BE PLACED ON SITE AND STABILIZED.
- 6. THE STRUCTURE SHALL BE INSPECTED AFTER EACH RAIN AND REPAIRS MADE AS NEEDED.
- 7. CONSTRUCTION OPERATIONS SHALL BE CARRIED OUT IN SUCH A
- MANNER THAT EROSION AND SEDIMENT ARE CONTROLLED.
- 8. THE STRUCTURE SHALL BE REMOVED AND THE AREA STABILIZED WHEN THE DRAINAGE AREA HAS BEEN PROPERLY STABILIZED.
- 9. THE MAXIMUM DRAINAGE AREA IS 5 ACRES.



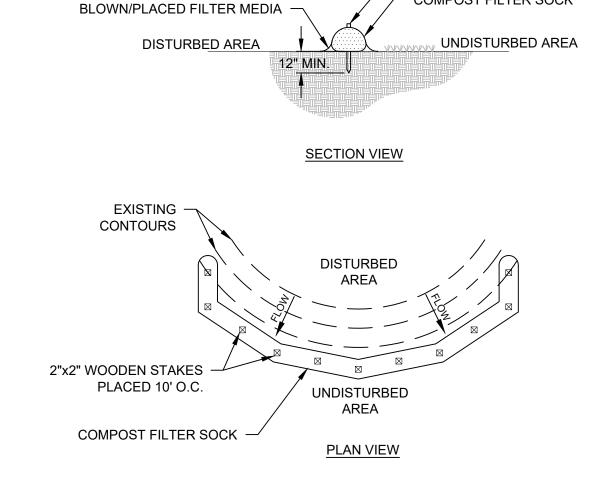
1. CONTRACTOR SHALL PLACE A 4" DIA. METAL PIPE AT A MINIMUM OF 36" BELOW THE BASIN BOTTOM ELEVATION ENCASED IN 12" OF 4000 PSI CONCRETE. 2. CONTRACTOR SHALL MARK THE CORRESPONDING ELEVATION FOR SEDIMENT STORAGE CLEANOUT ON THE PVC PIPE TO INDICATE WHEN MAINTENANCE IS REQUIRED. 3. SEDIMENT DEPTH GAUGE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

SEDIMENT DEPTH GAUGE

COMPOST FILTER SOCK

- 2"x2" WOODEN STAKES PLACED 10' O.C.

- COMPOST FILTER SOCK



- 1. SOCK FABRIC SHALL MEET STANDARDS OF TABLE 5.1 OF NYS STANDARDS AND SPECIFICATIONS FOR EROSION AND SEDIMENT CONTROL. COMPOST SHALL MEET THE STANDARDS LISTED ON TABLE 5.2 OF NYS STANDARDS AND SPECIFICATIONS FOR EROSION AND SEDIMENT CONTROL.
- COMPOST FILTER SOCK SHALL BE PLACED AT EXISTING LEVEL GRADE. BOTH ENDS OF THE SOCK SHALL BE EXTENDED AT LEAST 8 FEET UP SLOPE AT 45° TO THE MAIN SOCK ALIGNMENT. MAXIMUM SLOPE LENGTH ABOVE ANY SOCK SHALL NOT EXCEED THAT SHOWN ON FIGURE X.X OF NYS STANDARDS AND SPECIFICATIONS FOR EROSION AND SEDIMENT CONTROL. STAKES MAY BE INSTALLED IMMEDIATELY DOWNSLOPE OF THE SOCK IF SO SPECIFIED BY THE MANUFACTURER.
- TRAFFIC SHALL NOT BE PERMITTED TO CROSS FILTER SOCKS. ACCUMULATED SEDIMENT SHALL BE REMOVED WHEN IT REACHES HALF THE ABOVEGROUND HEIGHT OF THE SOCK AND DISPOSED IN THE MANNER DESCRIBED ELSEWHERE IN THE
- 5. SOCKS SHALL BE INSPECTED WEEKLY AND AFTER EACH RUNOFF EVENT. DAMAGED SOCKS SHALL BE REPAIRED ACCORDING TO MANUFACTURER'S SPECIFICATIONS OR REPLACED WITHIN 24 HOURS OF INSPECTION.

MANUFACTURER'S RECOMMENDATIONS.

- BIODEGRADABLE FILTER SOCKS SHALL BE REPLACED AFTER 6 MONTHS; PHOTODEGRADABLE SOCKS AFTER 1 YEAR. POLYPROPYLENE SOCKS SHALL BE REPLACED ACCORDING TO
- 7. UPON STABILIZATION OF THE AREA TRIBUTARY TO THE SOCKS. STAKES SHALL BE REMOVED. THE SOCK MAY BE LEFT IN PLACE AND VEGETATED OR REMOVED. IN THE LATTER CASE, THE MESH SHALL BE CUT OPEN AND THE MULCH SPREAD AS A SOIL SUPPLEMENT.

STONE OUTLET SEDIMENT TRAP



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PROJECT MILESTONE

PRELIMINARY PLANS NO. DATE DESCRIPTION

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JES DRAWN NSO DESIGNED AJF CHECKED SCALE N.T.S. OCTOBER 2021

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ARE ACTING UNDER THE DIRECT DIRECTION OF A LICENSI PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAP ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSE PROFESSIONAL IS ALTERED, THE ALTERING ENGINEE ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYO SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATIO "ALTERED BY" FOLLOWED BY THEIR SIGNATURE, THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION (

DRAWING TITLE

EROSION & SEDIMENT CONTROL DETAILS

DRAWING NUMBER

ESC-07