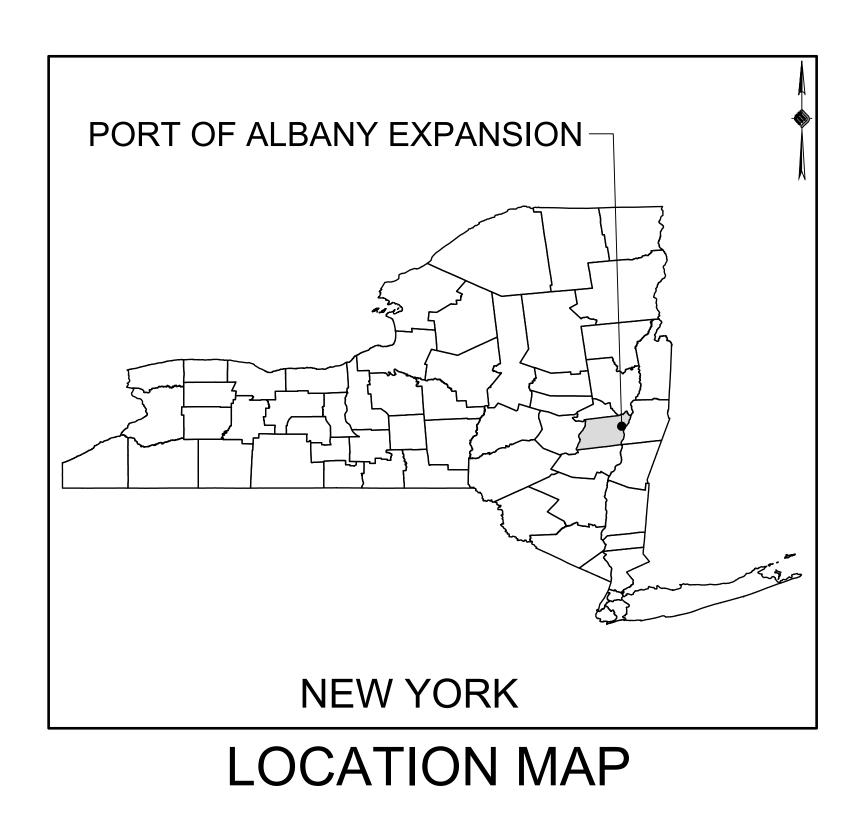
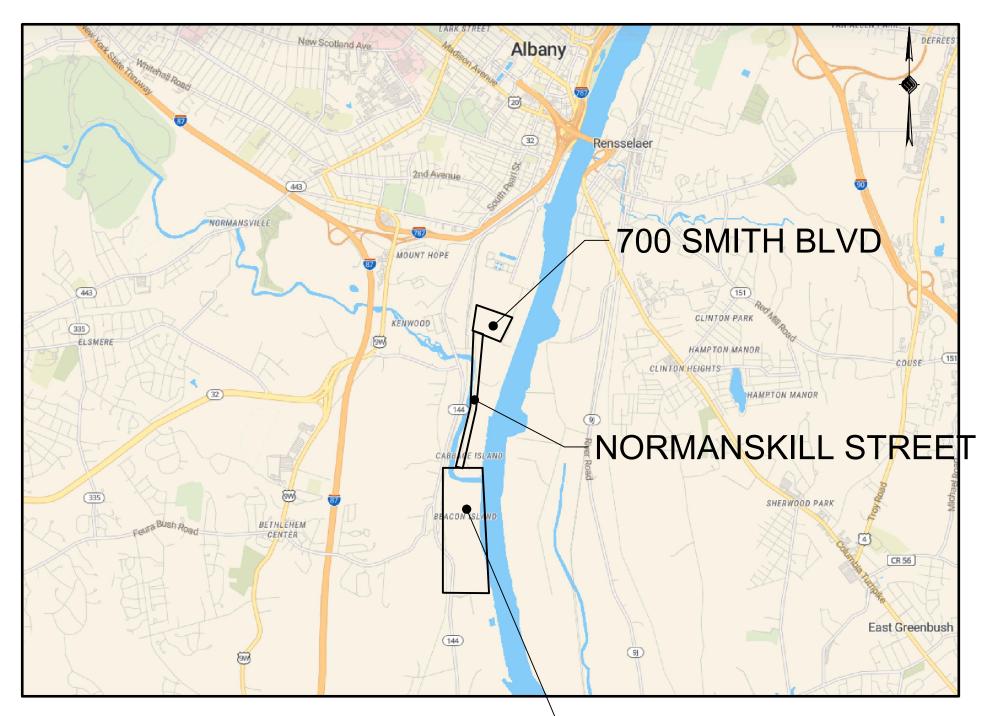
# ALBANY PORT DISTRICT COMMISSION NORMANSKILL STREET REHABILITATION



# FINAL DESIGN PLANS JANUARY 2022

TOWN OF BETHLEHEM /
CITY OF ALBANY
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	 REVIEW SET
PE_DATE	JANUARY 2022	

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# **GENERAL NOTES:**

- 1. THE UNDERGROUND STRUCTURES AND UTILITIES SHOWN ON THESE PLANS HAVE BEEN PLOTTED FROM A SURVEY PREPARED BY MASER CONSULTING P.A. 18 COMPUTER DRIVE EAST SUITE 203, ALBANY, NY 12205, DATED JULY 10, 2018 AND AUGUST 10, 2021 AND AVAILABLE SURVEYS AND RECORD MAPS BY OTHERS. MCFARLAND JOHNSON DOES NOT CERTIFY TO THE ACCURACY OF THEIR LOCATION AND/OR COMPLETENESS. IT IS THE CONTRACTOR'S RESPONSIBILITY TO VERIFY THE LOCATION AND EXTENT OF ALL UNDERGROUND STRUCTURES AND UTILITIES PRIOR TO ANY DIGGING OR CONSTRUCTION ACTIVITIES IN THEIR VICINITY. THE CONTRACTOR SHALL HAVE ALL EXISTING UTILITIES FIELD STAKED BEFORE STARTING WORK BY CALLING 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
- 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.
- EXCAVATED WASTE MATERIAL REMOVED FROM THE SITE SHALL BE PLACED AT A LOCATION ACCEPTABLE TO THE NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION AND THE OWNER.
- 7. THE CONTRACTOR SHALL TAKE PRECAUTIONS TO MAINTAIN A MINIMUM OF 2' OF COVER OVER ALL EXISTING AND NEW STORM SEWER PIPES AND 4' OF COVER OVER ALL SANITARY PIPES DURING CONSTRUCTION.
- 8. ALL EXISTING SURFACE APPURTENANCES (I.E. WATER VALVES, CATCH BASIN FRAMES AND GRATES, MANHOLE COVERS) WITHIN THE PROJECT LIMITS SHALL BE ADJUSTED TO FINISHED GRADE. (NO SEPARATE PAYMENT).
- 9. AREAS DISTURBED OR DAMAGED AS PART OF THIS PROJECT'S CONSTRUCTION THAT ARE OUTSIDE OF THE PRIMARY WORK AREA SHALL BE RESTORED. AT THE CONTRACTORS EXPENSE. TO THE SATISFACTION OF THE OWNER'S REPRESENTATIVE.
- 10. UNLESS COVERED BY THE CONTRACT SPECIFICATIONS OR AS NOTED ON THE PLANS, ALL WORK SHALL CONFORM TO THE LATEST VERSION OF THE NEW YORK STATE DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS AND ANY SUBSEQUENT REVISIONS OR ENGINEERING BULLETINS.
- 11. THE CONTRACTOR SHALL BE RESPONSIBLE TO SECURE ALL PERMITS AND PROVIDE ALL BONDS REQUIRED FOR THIS WORK, INCLUDING BUT NOT LIMITED TO UTILITY CONNECTIONS, BUILDING AND SITE CONSTRUCTION.
- 12. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY INSPECTIONS AND/OR CERTIFICATIONS REQUIRED BY CODE AND/OR UTILITY SERVICE COMPANIES. THIS SHALL BE COMPLETED PRIOR TO ANNOUNCED BUILDING POSSESSION AND THE FINAL CONNECTION OF SERVICES.
- 13. MAINTENANCE AND PROTECTION OF TRAFFIC ALONG WITH SECURING THE WORK AREA SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
- 14. THE CONTRACTOR SHALL LOCATE, MAKE, SAFEGUARD AND PRESERVE ALL SURVEY CONTROL MONUMENTS AND ROW MONUMENTS IN THE AREAS OF CONSTRUCTION.
- 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. ALL WORK SUBJECT TO SECTION 128-49 OF THE TOWN ZONING SHALL BE CERTIFIED BY A DESIGNATED PROFESSIONAL PURSUANT TO SECTION 128-49(f)(2)(I).

# **WORK ZONE TRAFFIC CONTROL**

# **GENERAL**

- 1. THE TYPICAL DETAILS DEPICTED ON THE STANDARD SHEETS AND IN THE MUTCD, REFLECT THE MINIMUM REQUIREMENTS.
- 2. THE CONTRACTOR MUST SUBMIT TO THE ENGINEER, IN WRITING, A PROPOSED TRAFFIC CONTROL PLAN FOR REVIEW AND APPROVAL BY THE ENGINEER, TOWN, CITY AND OWNER THIRTY (30) WORK DAYS PRIOR TO THE PLANNED IMPLEMENTATION OF SUCH TRAFFIC CONTROL.
- 3. THE CONTRACTOR SHALL PROVIDE THE ENGINEER, IN WRITING, WITH THE NAMES, ADDRESSES, AND TELEPHONE NUMBERS OF STAFF WHO ARE AUTHORIZED TO SECURE LABOR, MATERIALS, AND EQUIPMENT FOR EMERGENCY REPAIRS OUTSIDE NORMAL WORKING HOURS, THE ENGINEER WILL PROVIDE THE SUBMITTED INFORMATION TO REGIONAL MANAGEMENT, THE NEW YORK STATE POLICE, THE RESIDENT ENGINEER, AND THE LOCAL POLICE.

# **ACTIVITY AREA**

- 1. THE CONTRACTOR SHALL MAINTAIN A MINIMUM 500' LONGITUDINAL DISTANCE BETWEEN CONSTRUCTION OPERATIONS ON ALTERNATE SIDES OF THE ROADWAY, UNLESS OTHERWISE APPROVED BY THE ENGINEER.
- 2. WHEN TWO OR MORE AREAS ARE ADJACENT, OVERLAP, OR ARE IN CLOSE PROXIMITY, THE CONTRACTOR SHALL ENSURE THERE ARE NO CONFLICTING SIGNS AND THAT LANE CONTINUITY IS MAINTAINED THROUGHOUT ALL WORK AREAS.

# LANE WIDTHS

- UNLESS AUTHORIZED BY THE ENGINEER, THE MINIMUM LANE WIDTHS FOR WORK ZONE TRAVEL LANES SHALL BE AS FOLLOWS: THE MINIMUM LANE WIDTH FOR ALL
- 2. THE CONTRACTOR SHALL PROVIDE A WRITTEN NOTICE TO THE ENGINEER, A MINIMUM OF 21 CALENDAR DAYS IN ADVANCE OF PERFORMING ANY WORK THAT RESULTS IN THE REDUCED WIDTH OF AN EXISTING ROADWAY, SO THAT THE ENGINEER MAY NOTIFY THE OWNER AND TENANTS IN A TIMELY MANNER.

## SEQUENCE OF CONSTRUCTION

- 1. HOLD A PRE-CONSTRUCTION MEETING WITH PROJECT MANAGER, OPERATOR'S ENGINEER, CONTRACTORS & SUB-CONTRACTORS, AND REPRESENTATIVES OF THE TOWN OF BETHLEHEM AND CITY OF ALBANY (MS4) PRIOR TO LAND DISTURBING ACTIVITIES.
- 2. HAVE A QUALIFIED PROFESSIONAL CONDUCT AN ASSESSMENT OF THE SITE PRIOR TO THE COMMENCEMENT OF CONSTRUCTION AND CERTIFY IN AN INSPECTION REPORT THAT THE APPROPRIATE EROSION AND SEDIMENT CONTROLS DESCRIBED IN THE SWPPP AS REQUIRED BY THE GP-0-20-001 HAVE BEEN ADEQUATELY INSTALLED OR IMPLEMENTED TO ENSURE OVERALL PREPAREDNESS OF THE SITE FOR THE COMMENCEMENT OF CONSTRUCTION.
- 3. INSTALL PERIMETER CONTROLS AND INLET PROTECTION AT THE LOCATIONS SHOWN ON THE DRAWINGS.
- 4. CONSULT A QUALIFIED PROFESSIONAL TO PERFORM A SITE INSPECTION AND VERIFY THAT THE INITIAL PHASE OF EROSION CONTROL DEVICES HAVE BEEN INSTALLED PER THE DRAWINGS PRIOR TO COMMENCEMENT OF GROUND DISTURBANCE.
- 5. BEGIN CLEARING AND GRUBBING OPERATIONS. CLEARING AND GRUBBING SHALL ONLY BE DONE IN AREAS WHERE EARTHWORK WILL BE PERFORMED.
- 6. STRIP AND STOCKPILE TOPSOIL, INSTALL PERIMETER EROSION CONTROL AROUND STOCKPILES, SEED AND MULCH PER PLANS.
- 7. COMMENCE EARTHWORK CUTS AND FILLS. WORK SHALL BE PROGRESSED TO ALLOW A REASONABLE TRANSFER OF CUT AND FILL FOR ROUGH GRADING AND EARTH MOVING FOR BULK
- 8. STABILIZE ALL AREAS IDLE IN EXCESS OF 7 DAYS IN WHICH CONSTRUCTION WILL NOT COMMENCE WITHIN 7 DAYS.
- 9. ADJUST THE EROSION AND SEDIMENT CONTROL PRACTICES AS REQUIRED FOR CONTINUING CONSTRUCTION AS SHOWN ON THE EROSION & SEDIMENT CONTROL PLAN. THIS SHALL BE A PHASED ADJUSTMENT IN ORDER TO ENSURE THAT RUNOFF FROM ALL DISTURBED AREAS IS TREATED BY APPROPRIATE EROSION AND SEDIMENT CONTROL DEVICES.
- 10. CONSTRUCT CATCH BASINS, AREA INLETS AND STORM SEWER MANHOLES, AS SHOWN ON THE PLANS.
- 11. INSTALL INLET/OUTLET PROTECTION PROGRESSIVELY AS THE STORM SEWER IS INSTALLED.
- 12. AS LAWN AREAS ARE BROUGHT TO GRADE, STABILIZE WITH TOPSOIL, SEED AND MULCH PER
- FINALIZE PAVEMENT SUB-GRADE PREPARATION.
- INSTALL ASPHALT SUB-BASE MATERIAL AS REQUIRED FOR PAVEMENT.
- 15. CARRY OUT ALL FINAL GRADING, STABILIZE SLOPES GREATER THAN 3H:1V WITH HEIGHTS EXCEEDING 5 FEET WITH EROSION CONTROL MATTING/BLANKETS, AND SEED AND MULCH ALL DISTURBED AREAS.
- 16. A QUALIFIED PROFESSIONAL SHALL PERFORM A SITE ASSESSMENT TO CONFIRM THAT ALL PERMANENT STORMWATER DEVICES HAVE BEEN INSTALLED PER PLANS AND 80% UNIFORM GERMINATION/STABILIZATION HAS BEEN ACHIEVED PRIOR TO THE REMOVAL OF ALL REMAINING TEMPORARY EROSION AND SEDIMENT CONTROLS.

# STORM SEWER:

SIGNS

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

### **GRADING NOTES:**

- 1. REMOVE AND STOCKPILE TOPSOIL AS DIRECTED BY THE CONSTRUCTION MANAGER. REPLACE TOPSOIL TO A MINIMUM 4" DEPTH. ALL DISTURBED AREAS TO BE HYDROSEEDED AS DIRECTED BY THE CONSTRUCTION MANAGER.
- 2. CONTRACTOR SHALL BE RESPONSIBLE FOR THE MAINTENANCE AND REMOVAL OF TEMPORARY SEDIMENTATION CONTROLS, INCLUDING INLET PROTECTION AND SILT FENCE. EROSION CONTROL MEASURES SHALL NOT BE REMOVED BEFORE VEGETATION HAS OCCURRED COMPLETELY.
- 3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR RESTORATION OF TOPSOIL TO ALL DISTURBED AREAS. IT IS THE CONTRACTOR'S RESPONSIBILITY TO MAINTAIN EROSION CONTROL MEASURES AT ALL TIMES.
- 4. EROSION CONTROL MEASURES WILL BE IMPLEMENTED IN ACCORDANCE WITH THE NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION, ALBANY COUNTY HEALTH DEPARTMENT, AND THE CITY OF ALBANY REQUIREMENTS.
- 5. ALL INLETS TO THE STORM SEWER SHALL HAVE STONE DROP INLET PROTECTION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING BEST MANAGEMENT PRACTICES (BMP'S) UNTIL GROUND COVER IS ESTABLISHED.
- 6. SILT FENCE, JUTE MESH, AND/OR EROSION CONTROL BLANKETS WILL BE USED ON STEEP SLOPES AND WHEREVER NECESSARY TO CONTROL EROSION AND SILTATION OF EXISTING DRAINAGE SYSTEMS AS ORDERED BY THE ENGINEER OR SPECIFIED ON PLANS.
- 8. THE CONTRACTOR SHALL DESIGNATE A MEMBER OF HIS/HER FIRM TO BE RESPONSIBLE TO MONITOR EROSION CONTROL, EROSION CONTROL STRUCTURES, TREE PROTECTION AND PRESERVATION THROUGHOUT CONSTRUCTION.
- 9. ALL GRADING AND EARTHWORK SHALL BE IN CONFORMANCE WITH NEW YORK STATE STANDARD SPECIFICATIONS SECTION 203 - EXCAVATION AND EMBANKMENT, WHICH INCLUDES MAXIMUM EMBANKMENT LIFT THICKNESS ALLOWED BASED ON THE COMPACTION EQUIPMENT USED.
- 10. ALL PROPOSED ELEVATIONS SHOWN HEREON ARE FINISHED GRADE ELEVATION.
- 11. CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING RIM ELEVATIONS IN RELATION TO PROPOSED GRADE PRIOR TO INSTALLATION.

	Sheet List Table	
SHEET NUMBER	SHEET TITLE	DRAWING NUMBER
COVR	COVER SHEET	
GN-01	GENERAL NOTES	1
RP-01	ROADWAY PLAN AND PROFILE	2
RP-02	ROADWAY PLAN AND PROFILE	3
RP-03	ROADWAY PLAN AND PROFILE	4
RP-04	ROADWAY PLAN AND PROFILE	5
RP-05	ROADWAY PLAN AND PROFILE	6
RP-06	ROADWAY PLAN AND PROFILE	7
TP-01	TYPICAL SECTION	8
TP-02	TYPICAL SECTION	9
GR-01	GRADING, DRAINAGE, EROSION AND SEDIMENT CONTROL	10
GR-02	GRADING, DRAINAGE, EROSION AND SEDIMENT CONTROL	11
GR-03	GRADING, DRAINAGE, EROSION AND SEDIMENT CONTROL	12
GR-04	DRAINAGE TABLES	13
DT-01	EROSION AND SEDIMENT CONTROL DETAILS	14
DT-02	EROSION AND SEDIMENT CONTROL DETAILS	15
DT-03	DRAINAGE DETAILS	16

# PROJECT MILESTONE FINAL DESIGN PLANS NO. DATE DESCRIPTION JES DRAWN NSO DESIGNED AJF CHECKED SCALE 1"=40' JANUARY 2022 18641.00 PROJECT

| McFarland Johnson

60 RAILROAD PLACE

SARATOGA SPRINGS, NEW YORK 12866

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

SaratogaROM@mjinc.com

# **FOR REVIEW NOT FOR** CONSTRUCTION

ARE ACTING UNDER THE DIRECT DIRECTION OF A LICENS 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

**GENERAL NOTES** 

DRAWING NUMBER

1 OF 16

GN-01

# BARRIER/SHADOW VEHICLES

SUBJECT TO APPROVAL OF THE ENGINEER.

OBSTRUCT A MOTORIST'S LINE OF SIGHT.

UNLESS OTHERWISE REPLACED IN THIS CONTRACT.

REGIONAL DIRECTOR OR BY HIS/HER DESIGNEE

(THIRTY) DAYS AFTER SIGNAL BECOMES OPERATIONAL.

NYR9-12 MAY BE USED IN PLACE OF NYR9-11.

1. BARRIER AND SHADOW VEHICLES SHALL BE REQUIRED AS PER STANDARD SHEET

1. THE LOCATIONS OF THE SIGNS SHALL BE SHOWN ON THE WORK ZONE TRAFFIC

2. ANY EXISTING SIGNS, INCLUDING OVERHEAD SIGNS, WHICH CONFLICT WITH THE

CONTROL PLANS AND DETAILS SUBMITTED AND MAY BE ADJUSTED BASED ON SIGHT

DISTANCE AND OTHER CONSIDERATIONS. THE FINAL LOCATIONS OF SIGNS ARE

TEMPORARY TRAFFIC CONTROL SIGN LAYOUT SHALL BE COVERED, REMOVED,

SIGNS SHALL BE RESTORED TO THEIR ORIGINAL CONDITION AND/OR LOCATION

SIGNS AT OR NEAR INTERSECTIONS SHALL BE PLACED SO THAT THEY DO NOT

4. ALL WARNING AND REGULATORY SIGNS SHALL BE POSTED ON BOTH SIDES OF

MUTCD. ANY CHANGES TO THE DIMENSIONS SHALL BE APPROVED BY THE

STORED OR RESET, AS APPROVED BY THE ENGINEER. ALL APPROPRIATE EXISTING

MULTI-LANE RAMPS, AND ONE-WAY STREETS. IN CASES WHERE LANE RESTRICTIONS

REDUCE THE TRAVEL LANE TO ONE LANE, SIGNS SHALL BE POSTED ON THE RIGHT

SIDE OF THE ACTIVE TRAVEL LANE, UNLESS OTHERWISE AUTHORIZED BY THE

5. THE DIMENSIONS OF WORK ZONE TRAFFIC CONTROL SIGNS ARE DESCRIBED IN THE

W3-3 AND FLASHING BEACON SHALL BE PLACED AT THE LOCATIONS SHOWN AFTER SIGNAL IS OPERATIONAL. FLASHING BEACON WILL BE LEFT IN PLACE FOR 30

- TITLED "WORK ZONE TRAFFIC CONTROL LEGENDS AND NOTES". 2. NO WORK ACTIVITY, EQUIPMENT, VEHICLES AND/OR MATERIALS SHALL BE LOCATED BETWEEN THE BARRIER OR SHADOW VEHICLE AND THE ACTIVE WORK AREA (ROLL
- AHEAD DISTANCE). 3. THE CONTRACTOR MAY BE REQUIRED TO PROVIDE A BARRIER VEHICLE IN CONJUNCTION WITH POLICE PRESENCE IN THE WORK ZONE, TO BE INCLUDED IN THE UNIT BID PRICE FOR BASIC WORK ZONE TRAFFIC CONTROL.

# CHANNELIZING DEVICES

1. WHERE POSSIBLE ALL CHANNELIZING AND GUIDING DEVICES ARE TO BE PLACED SO AS TO PROVIDE A MINIMUM 2' LATERAL CLEARANCE TO THE TRAVELED WAY.

# LANE CLOSURES

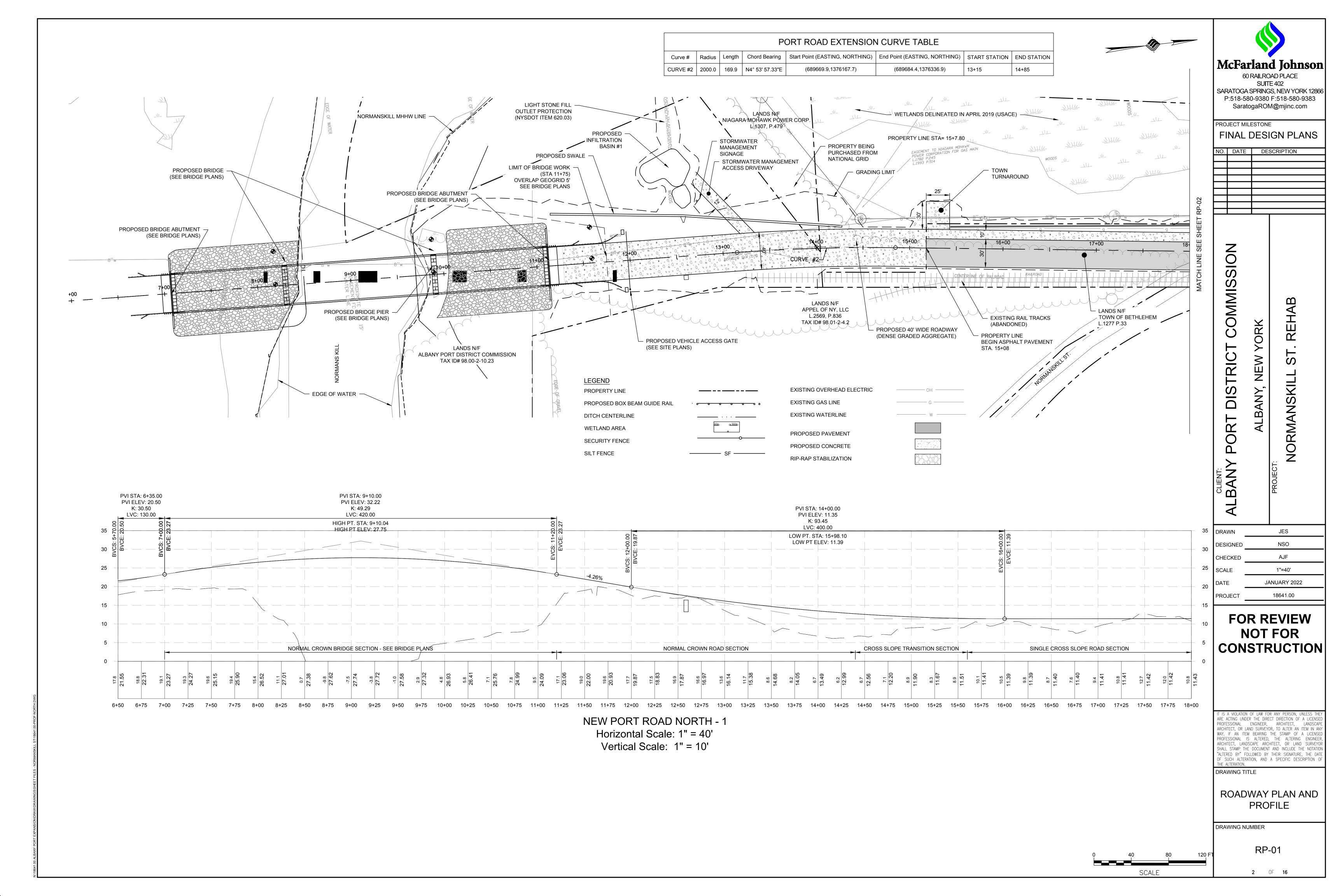
- 1. THE OWNER AND TOWN RETAIN THE RIGHT TO CANCEL ANY WORK OPERATIONS INCLUDING LANE CLOSURE AND/OR TOTAL ROAD CLOSURES THAT WOULD BE AFFECTED BY UNFORESEEN MAJOR EVENTS THAT MAY CREATE TRAFFIC DELAYS SEVEN (7) CALENDAR DAYS PRIOR TO THE PROPOSED WORK. SPECIFIC DATES ARE YET TO BE DETERMINED.
- 2. PEDESTRIAN ACCOMMODATIONS MUST BE MAINTAINED AT ALL TIMES DURING CONSTRUCTION.

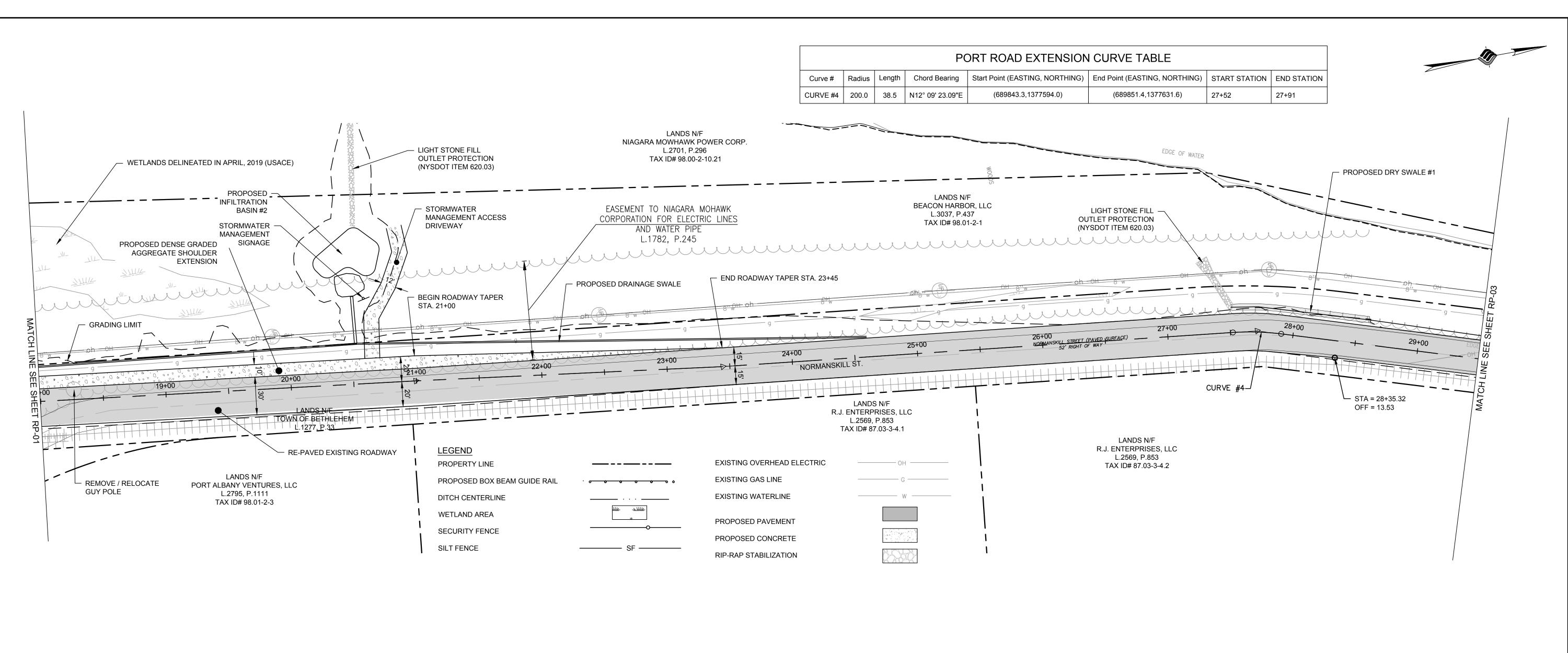
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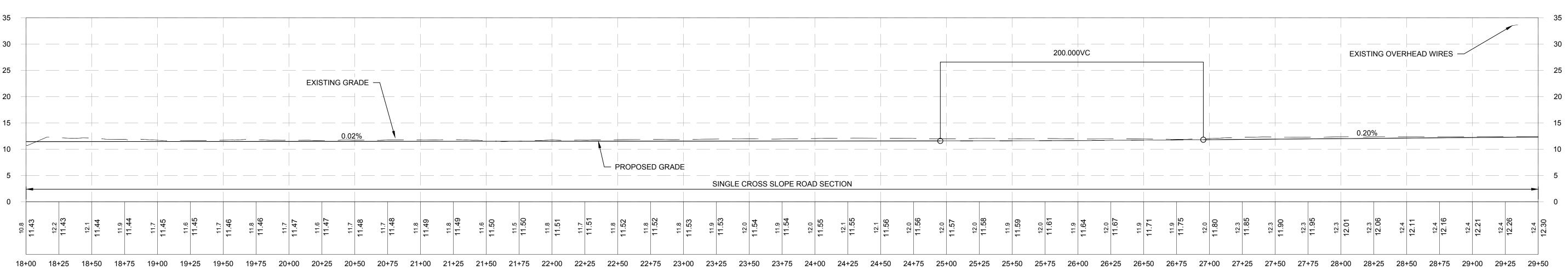
- 1. PROPERTY OWNERS WHOSE DRIVEWAYS WILL BE MADE INACCESSIBLE SHALL BE NOTIFIED BY THE CONTRACTOR AT LEAST 24 HOURS PRIOR TO RESTRICTING USE OF THE DRIVEWAY. FOR MULTIPLE ACCESS PROPERTIES, AT LEAST ONE DRIVEWAY SHALL BE OPEN AT ALL TIMES. ACCESS SHALL BE RESTORED TO ALL DRIVEWAYS AS SOON AS POSSIBLE.
- 2. SUITABLE RAMPS SHALL BE INSTALLED TO MAINTAIN SMOOTH TRANSITIONS FROM RESIDENTIAL AND COMMERCIAL DRIVEWAYS TO AND FROM THE WORK AREA.

# NOTES

- 1. NO WORK ACTIVITY, EQUIPMENT, OR STORAGE OF VEHICLES, OR MATERIAL SHALL OCCUR WITHIN THE BUFFER SPACE AT ANY TIME.
- 2. CHANNELIZING DEVICE SPACING (CENTER TO CENTER) SHALL NOT EXCEED 40' IN
- THE ACTIVE WORK SPACE. FOR BARRIER VEHICLE USE REQUIREMENTS SEE TABLES NY1-A AND NY2-A ON THE
- STANDARD SHEET TITLED "WORK ZONE TRAFFIC CONTROL LEGENDS AND NOTES". WHEN WORKS AND EQUIPMENT ARE NOT ENCROACHING INTO THE TRAVEL LANE A SHOULDER CLOSURE MAY BE USED.







NEW PORT ROAD NORTH - 2

Horizontal Scale: 1" = 40'

Vertical Scale: 1" = 10'

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PROJECT MILESTONE

FINAL DESIGN PLANS

		DESIGN I LAIN
NO.	DATE	DESCRIPTION

ALBANY PORT DISTRICT COMMISSION
ALBANY, NEW YORK
PROJECT:

DRAWN JES

DESIGNED NSO

CHECKED AJF

SCALE 1"=40'

DATE JANUARY 2022

PROJECT 18641.00

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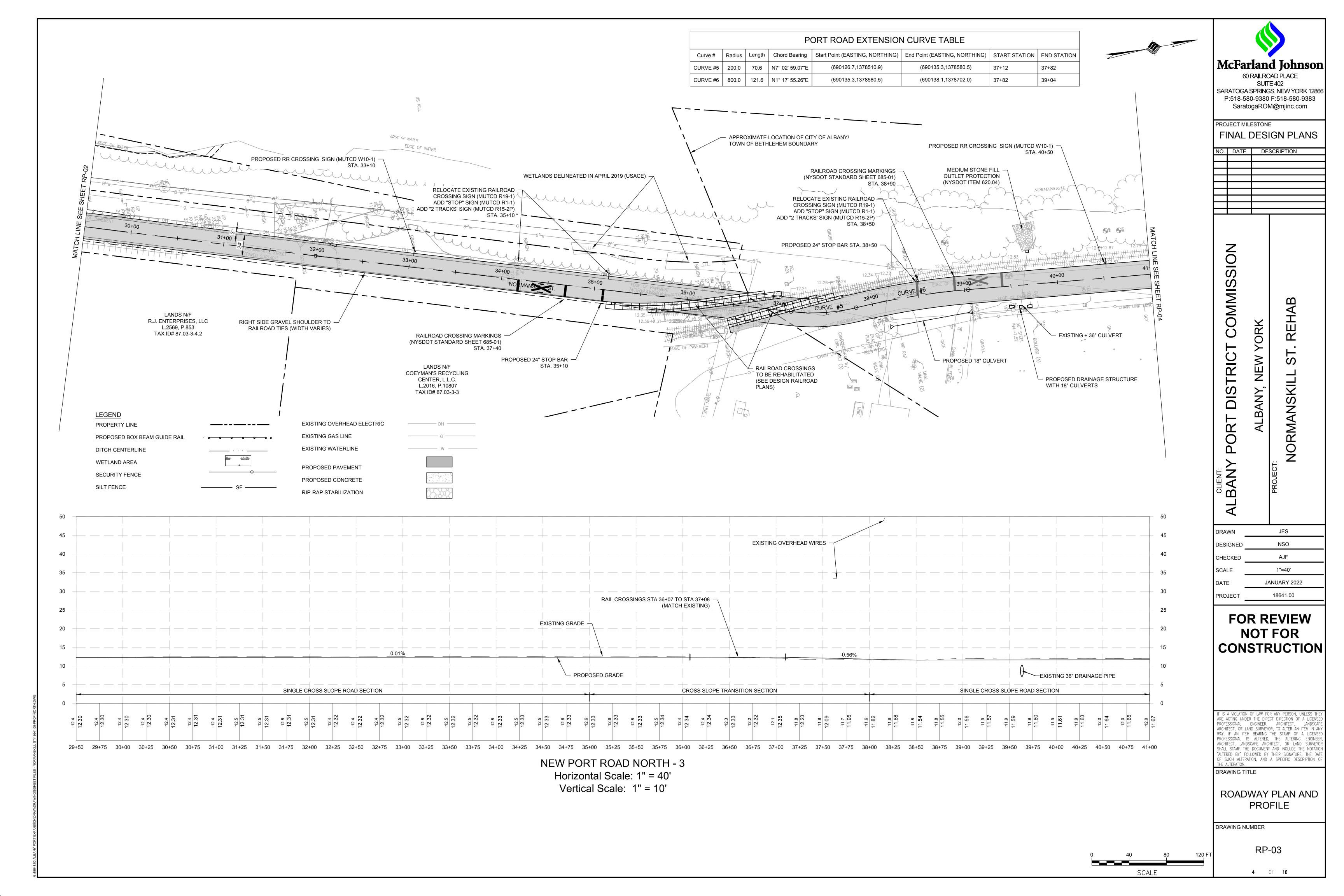
ROADWAY PLAN AND PROFILE

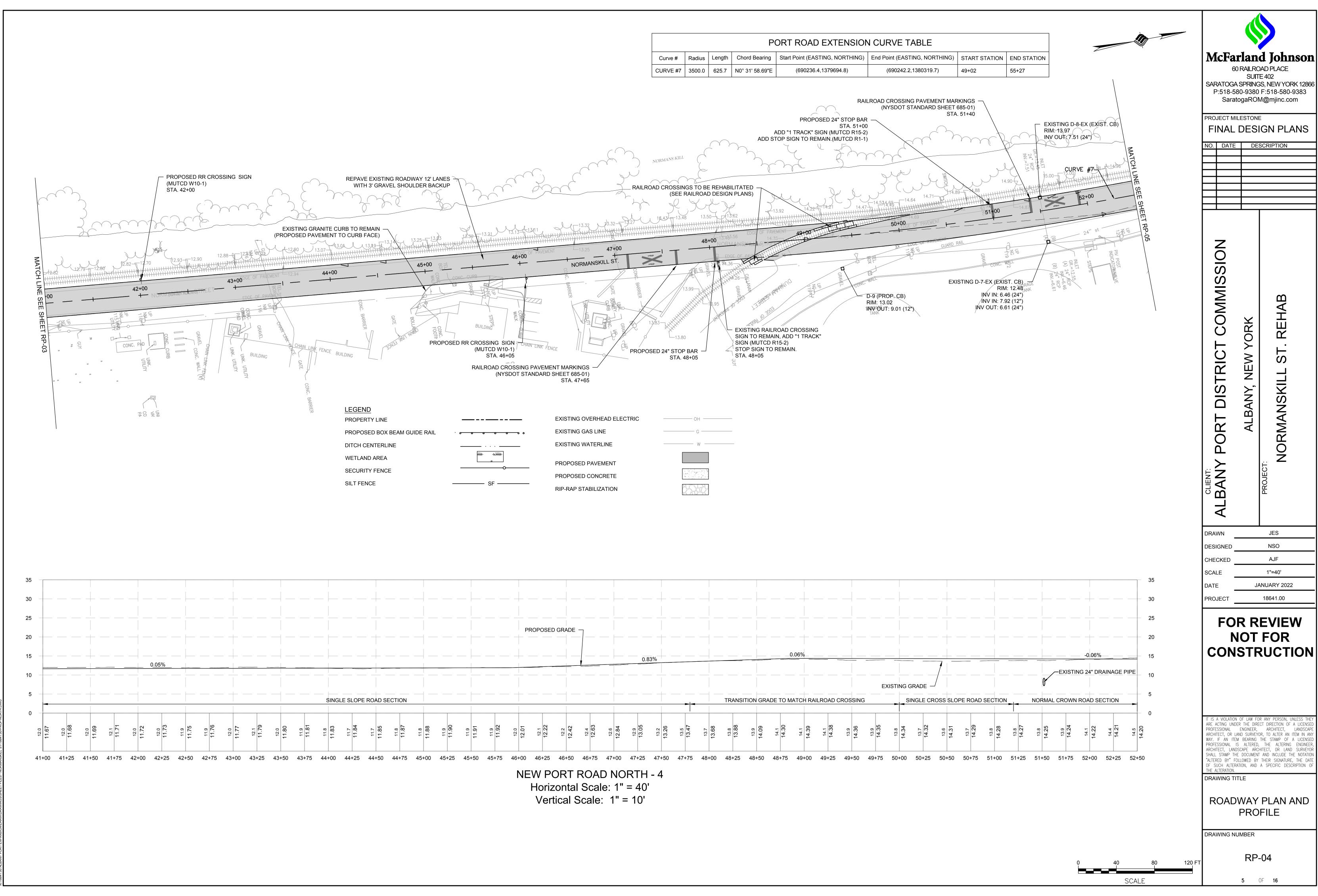
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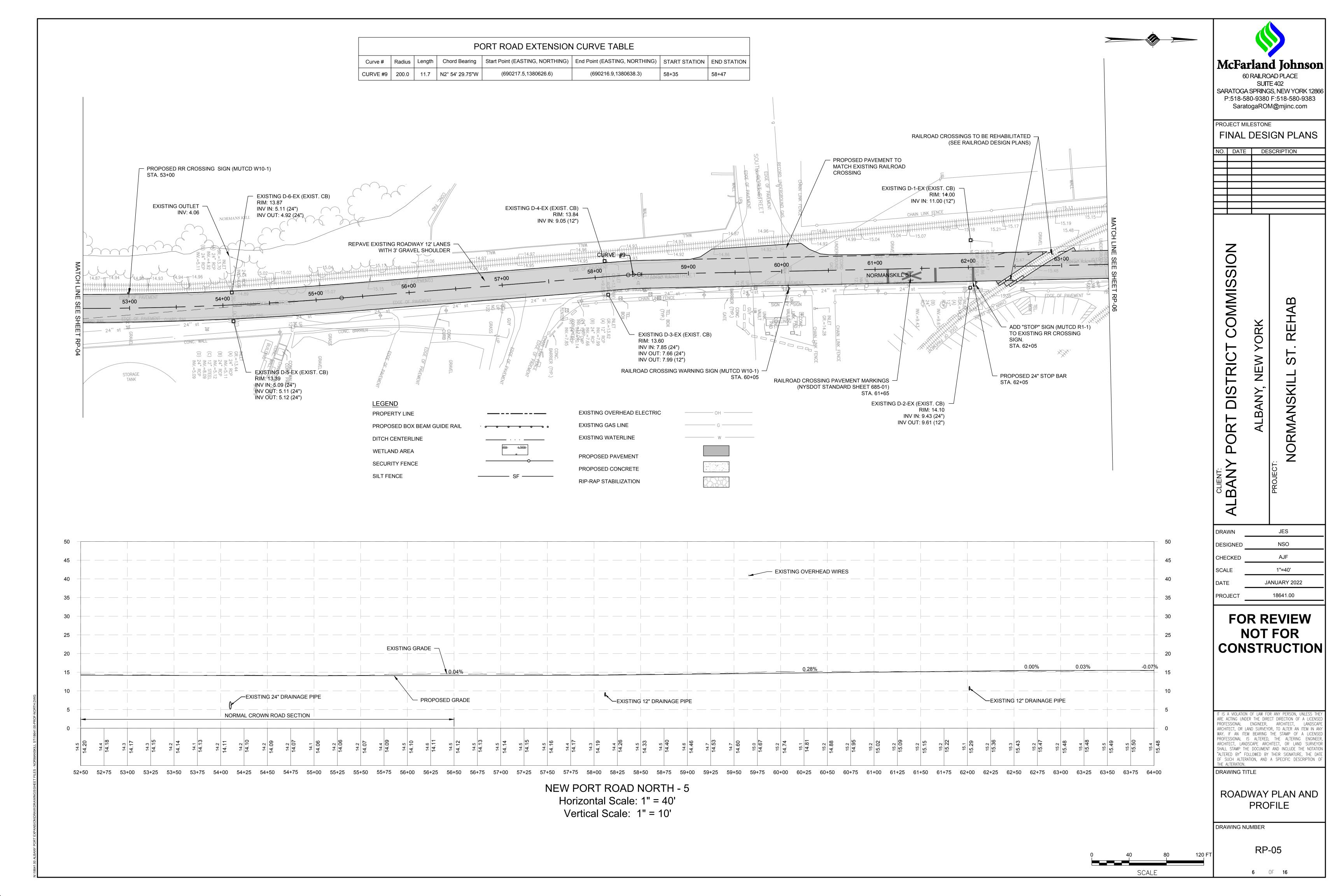
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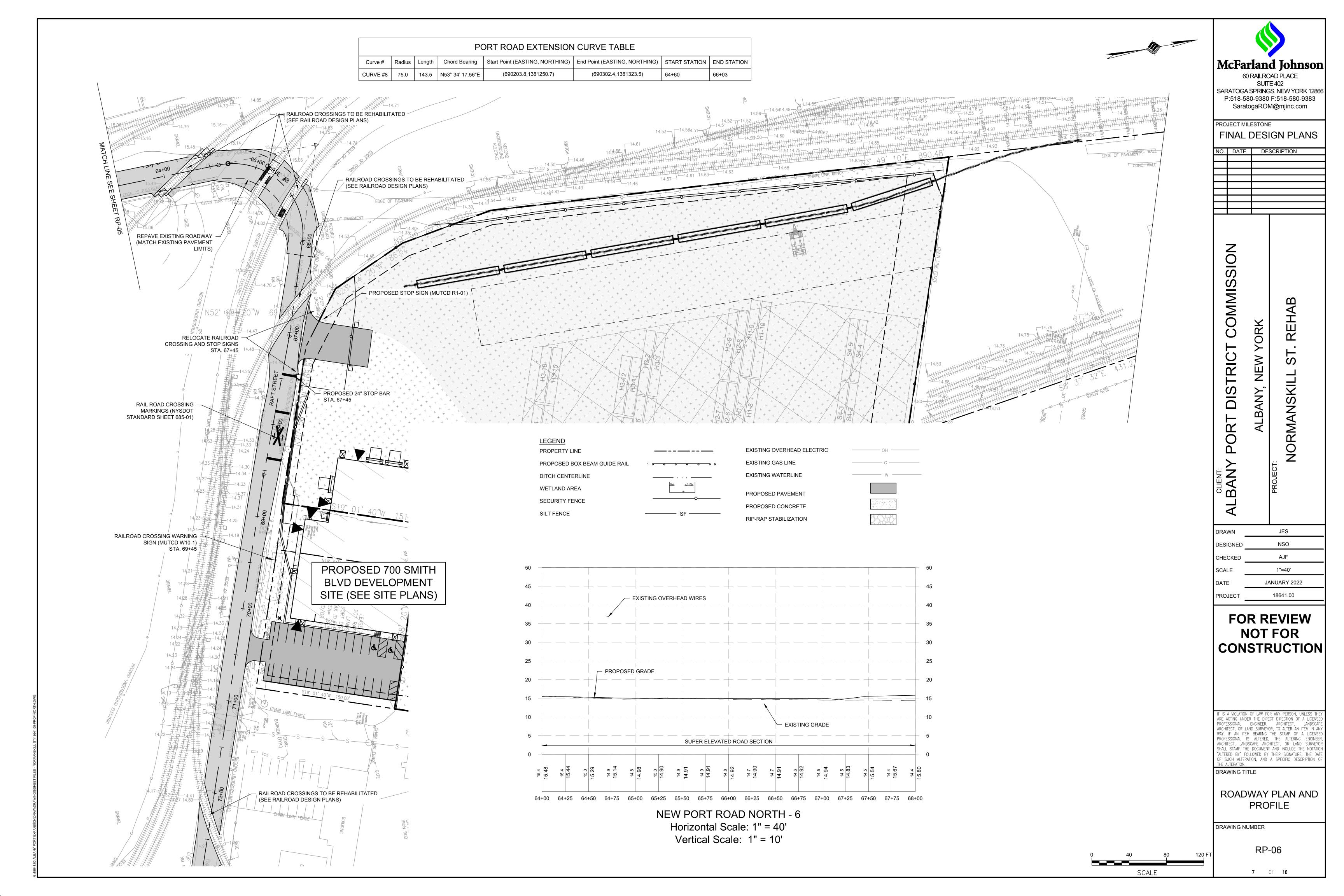
**3** OF **16** 

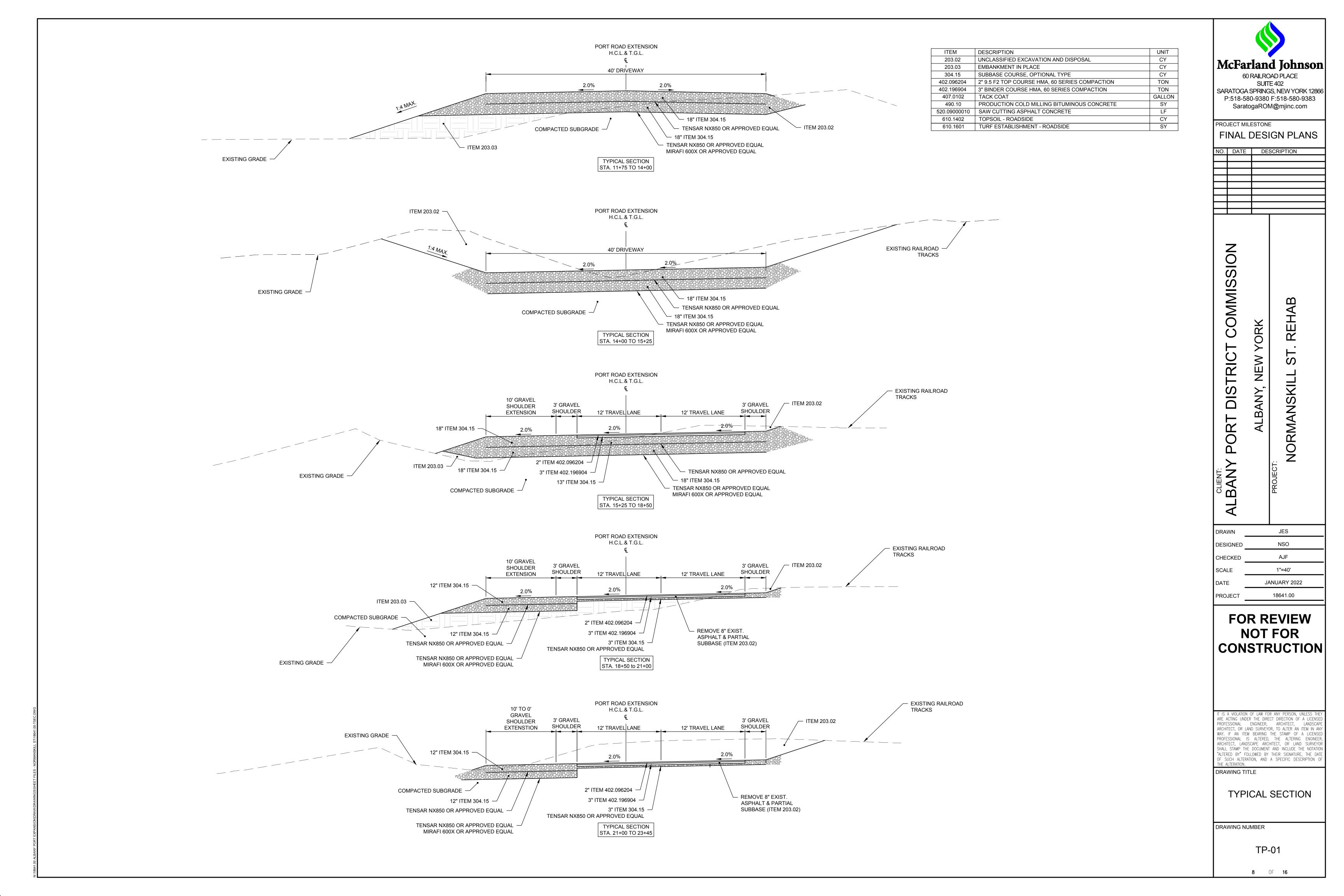
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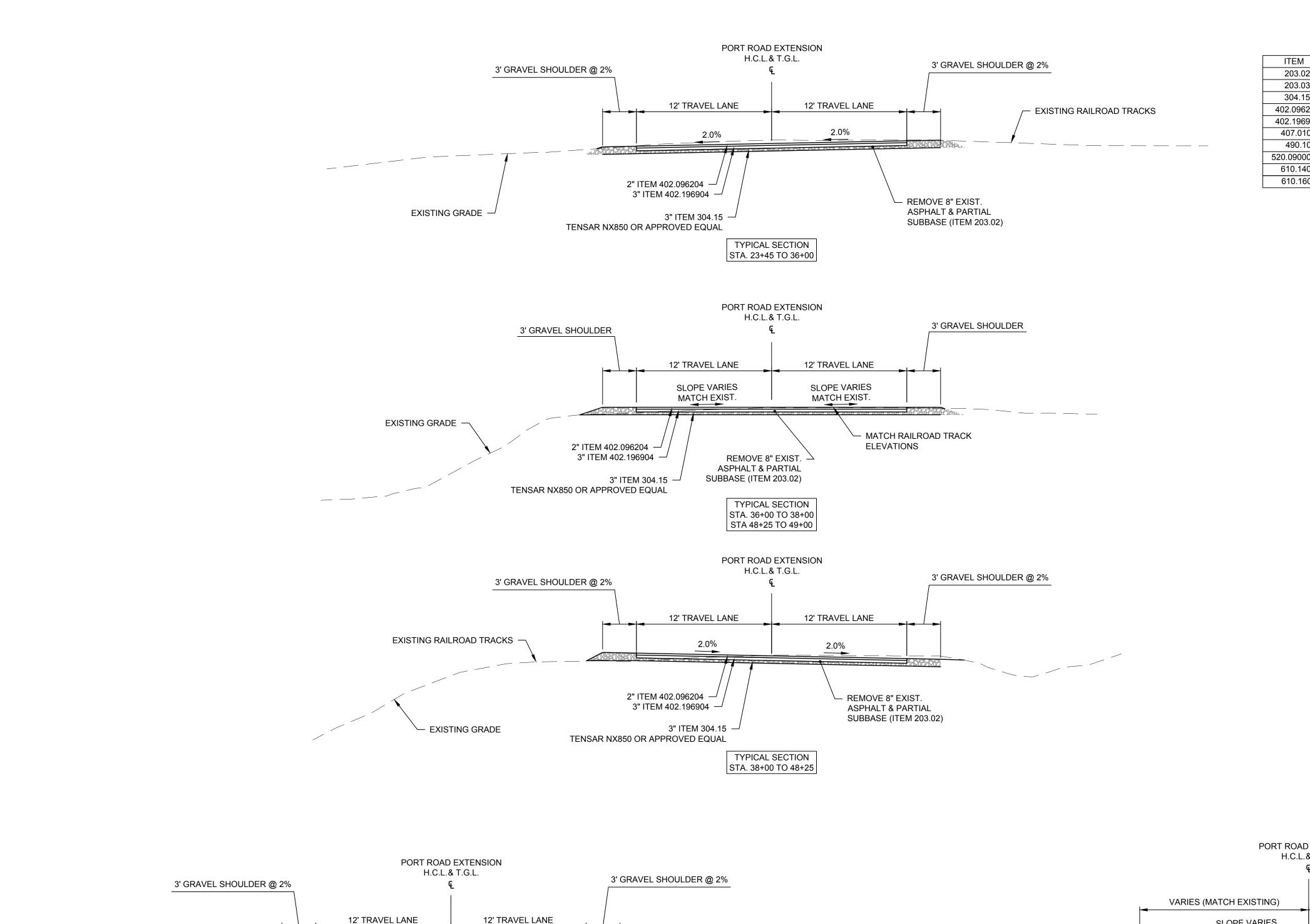


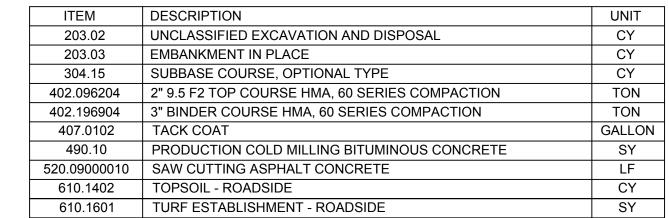


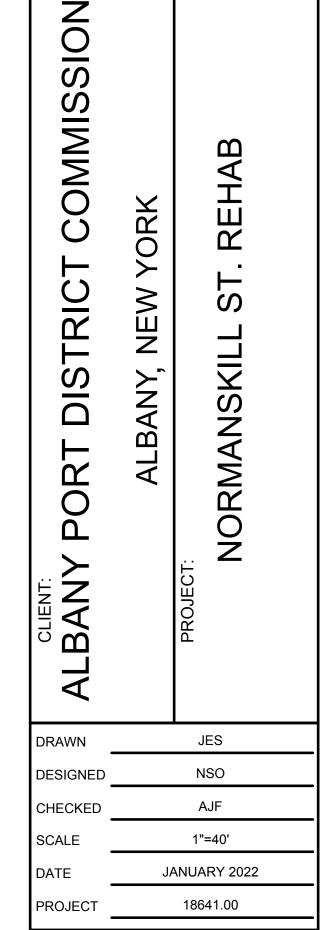












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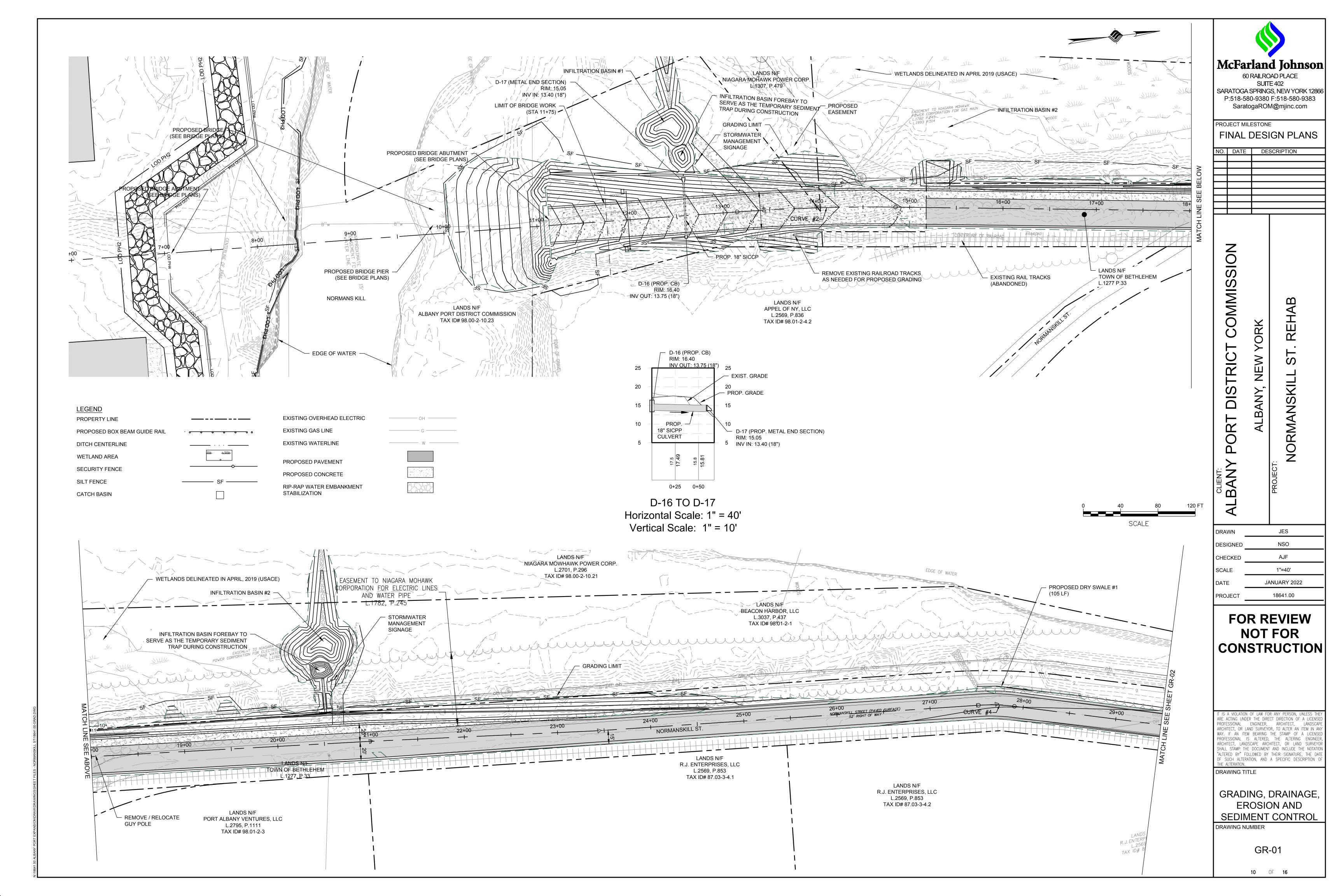
TYPICAL SECTION

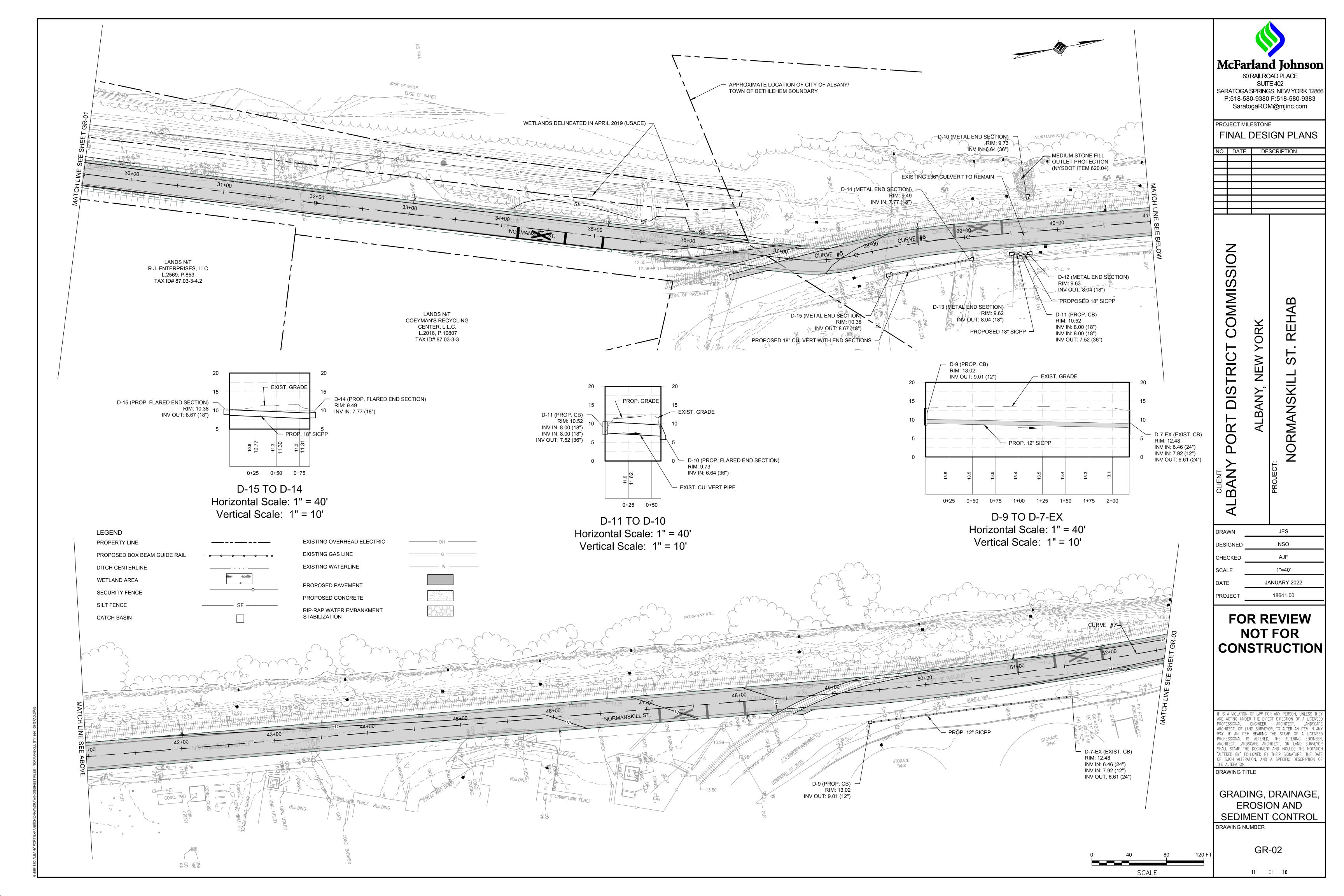
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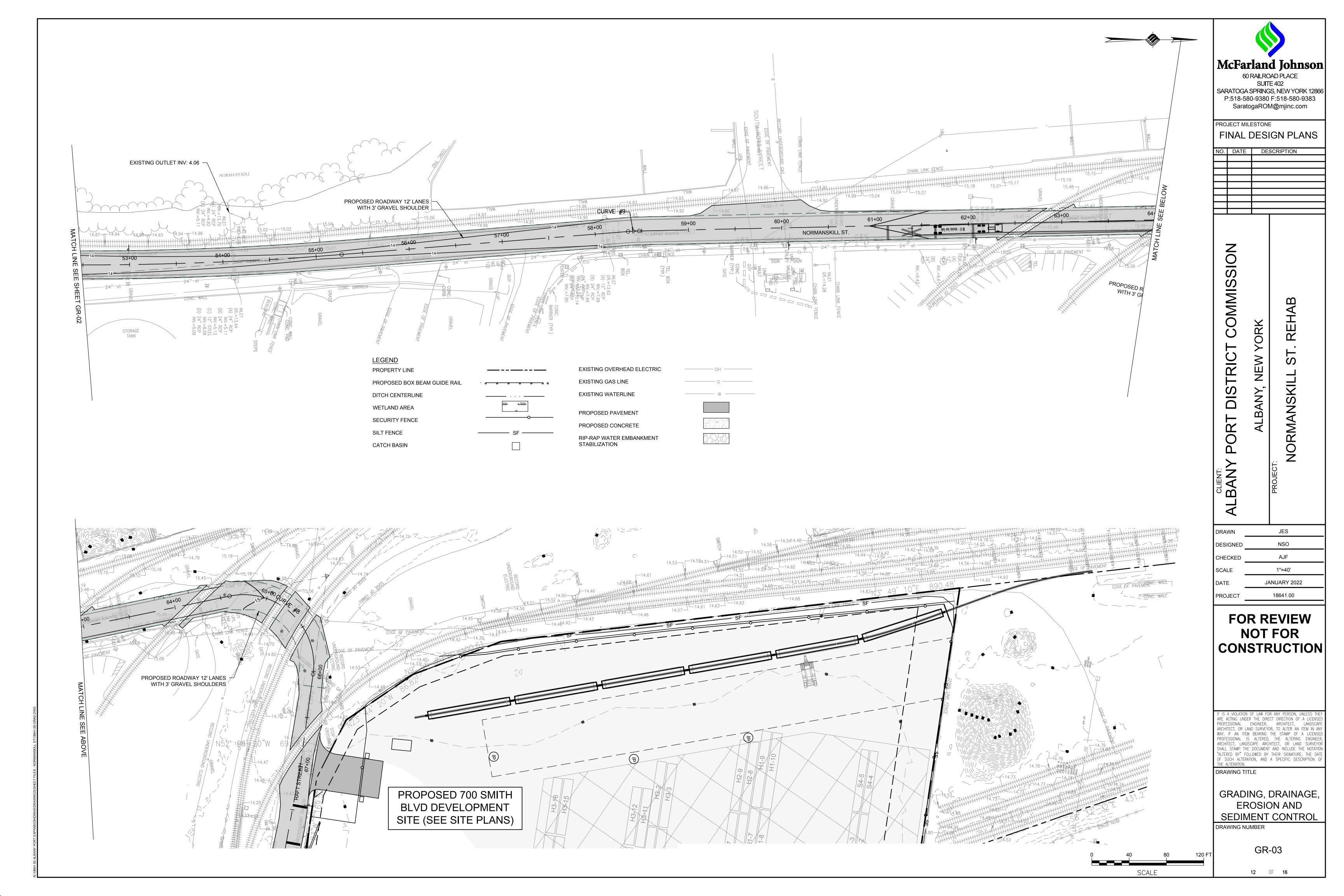
TP-02

9 OF **16** 

PORT ROAD H.C.L.8 3' GRAVEL SHOULDER @ 2%			PORT ROAD H.C.L.&	
		<u>L</u>	VARIES (MATCH EXISTING)	VARIES (MATCH EXISTING)
12' TRAVEL LANE	12' TRAVEL LANE		SLOPE VARIES MATCH EXIST.	SLOPE VARIES MATCH EXIST.
2" ITEM 402.096204 — 3" ITEM 402.196904 — 3" ITEM 304.15 — TENSAR NX850 OR APPROVED EQUAL	REMOVE 8" EXIST. ASPHALT & PARTIAL SUBBASE (ITEM 203.02)	EXISTING GRADE TENSAR N	2" ITEM 402.096204 — 3" ITEM 402.196904 — 3" ITEM 304.15 — X850 OR APPROVED EQUAL	— MATCH RAILROAD TRACK ELEVATIONS — REMOVE 8" EXIST. ASPHALT & PARTIAL SUBBASE (ITEM 203.02)
STA. 49+00	SECTION 0 TO 59+00 0 TO 62+50		TYPICAL STA. 62+50	SECTION 0 TO 67+25
PORT ROAD H.C.L.& VARIES (TO RAILROAD TRACKS)			RAFT S H.C.L.8	
EXISTING RAILROAD TRACKS  2" ITEM 402.096204  3" ITEM 402.196904  TENSAR NX850 OR APPROVED EQUAL	2.0%  REMOVE 8" EXIST. ASPHALT & PARTIAL SUBBASE (ITEM 203.02)  EXISTING GRADE	EXISTING CONC. GUTTER —  — — — — — — — EXISTING GRADE —	VARIES MATCH EXIST.	WARIES MATCH EXIST.  ±2.0%  MILL 5" EXIST. PAVEMENT ITEM 490.10
TYPICAL STA. 59+00	SECTION 0 TO 60+50		STA. 67+25 TO SM	MITH BLVD. TIE-IN







	Pipe Table					
Pipe Name	Description	Size	Length	Slope		
P-10-EX	Existing	36.000	59.9	1.47%		
P-8-EX	Existing	24.000	47.5	2.21%		
P-7-EX	Existing	24.000	259.7	0.59%		
P-5-EX	Existing	24.000	30.8	0.00%		
P-6-EX	Existing	24.000	38.7	2.22%		
P-4-EX	Existing	24.000	402.5	-0.68%		
P-2-EX	Existing	24.000	388.0	-0.46%		
P-1-EX	Existing	12.000	50.9	-2.73%		
P-3-EX	Existing	12.000	36.2	-2.92%		
P-9-PROP	NYSDOT Item 603.9812	12.000	218.1	0.50%		
P-11-PROP	NYSDOT Item 603.9818	18.000	7.6	0.50%		
P-12-PROP	NYSDOT Item 603.9818	18.000	7.4	0.50%		

Pipe Table				
Pipe Name	Description	Size	Length	Slope
P-13-PROP	NYDOT Item 603.9818	18.000	86.0	1.04%

	Pipe Table			
Pipe Name	Description	Size	Length	Slope
P-14-PROP	NYDOT Item 603.9818	18.000	59.1	0.59%

	Structure Ta	able	
Structure Name	Structure Details	Station and Offset	Description
D-2-EX (EXIST. CB)	(EXIST. CB)  RIM = 14.103  P-2-EX INV IN = 9.430 P-1-EX INV OUT = 9.610		Existing
D-1-EX (EXIST. CB)	RIM = 14.004 P-1-EX INV IN = 11.000	STA. 62+03.1 -29.0'L	Existing
D-8-EX (EXIST. CB)	RIM = 13.968 P-8-EX INV OUT = 7.510	STA. 51+51.5 -14.2'L	Existing
D-6-EX (EXIST. CB)	RIM = 13.866 P-5-EX INV IN = 5.110 P-6-EX INV OUT = 4.920	STA. 54+10.2 -13.3'L	Existing
D-4-EX (EXIST. CB)	RIM = 13.837 P-3-EX INV IN = 9.050	STA. 58+11.4 -16.9'L	Existing
D-3-EX (EXIST. CB)	RIM = 13.603  P-4-EX INV IN = 7.850  P-2-EX INV OUT = 7.660  P-3-EX INV OUT = 7.990	STA. 58+12.4 19.3'R	Existing
D-5-EX (EXIST. CB)	RIM = 13.387  P-7-EX INV IN = 5.090  P-5-EX INV OUT = 5.110  P-4-EX INV OUT = 5.120	STA. 54+10.5 17.5'R	Existing
D-9 (PROP. CB)	RIM = 13.018 P-9-PROP INV OUT = 9.014	STA. 49+37.1 34.1'R	Rectangular Junction Structure
D-7-EX (EXIST. CB)	RIM = 12.481  P-8-EX INV IN = 6.460  P-9-PROP INV IN = 7.923  P-7-EX INV OUT = 6.610	STA. 51+53.1 33.3'R	Existing
D-11 (PROP. CB)	RIM = 10.524  P-11-PROP INV IN = 8.000  P-12-PROP INV IN = 8.000  P-10-EX INV OUT = 7.520	STA. 39+58.6 23.2'R	Rectangular Junction Structure
D-10 (METAL END SECTION)	RIM = 9.728 P-10-EX INV IN = 6.640	STA. 39+70.5 -35.5'L	NYSDOT Item 603.171216
D-12 (METAL END SECTION)	RIM = 9.626 P-11-PROP INV OUT = 8.038	STA. 39+66.3 23.1'R	NYSDOT Item 603.171216
D-13 (METAL END SECTION)	RIM = 9.625 P-12-PROP INV OUT = 8.037	STA. 39+51.3 22.0'R	NYSOT Item 603.171216

Structure Table				
Structure Name Structure Details		Station and Offset	Description	
D-15 (METAL END SECTION)	RIM = 10.382	STA. 38+14.4 28.8'R	NYSDOT Item 603.171216	
D-13 (METAL LIND SECTION)	P-13-PROP INV OUT = 8.666	STA. 30+14.4 20.0 K		
D-14 (METAL END SECTION)	RIM = 9.490	STA 20102 4 24 6'D	NYSDOT Item 603.171216	
D-14 (METAL END SECTION)	P-13-PROP INV IN = 7.774	STA. 39+03.4 24.6'R		

Structure Table				
Structure Name	Structure Details	Station and Offset	Description	
D-16 (PROP. CB)	RIM = 16.396	STA. 12+58.7 22.8'R	Rectangular Junction Structure	
D-10 (FROF : OB)	P-14-PROP INV OUT = 13.750	31A. 12+30.7 22.0 K		
D-17 (METAL END SECTION)	RIM = 15.046	STA 42160 0 26 21	NIVEDOT Hom 602 171216	
D-17 (MILTAL END SECTION)	P-14-PROP INV IN = 13.400	STA. 12+60.0 -36.3'L	NYSDOT Item 603.171216	

# NOTES:

1. PROPOSED PIPING SHALL BE IN ACCORDANCE WITH NYSDOT STANDARD SPECIFICATION SECTION 603.



McFarland Johnson

60 RAILROAD PLACE
SUITE 402
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SaratogaROM@mjinc.com

PROJECT MILESTONE

FINAL DESIGN PLANS

NO.	DATE	DESCRIPTION

# ALBANY PORT DISTRICT COMMISSION ALBANY, NEW YORK

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

# FOR REVIEW NOT FOR CONSTRUCTION

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.

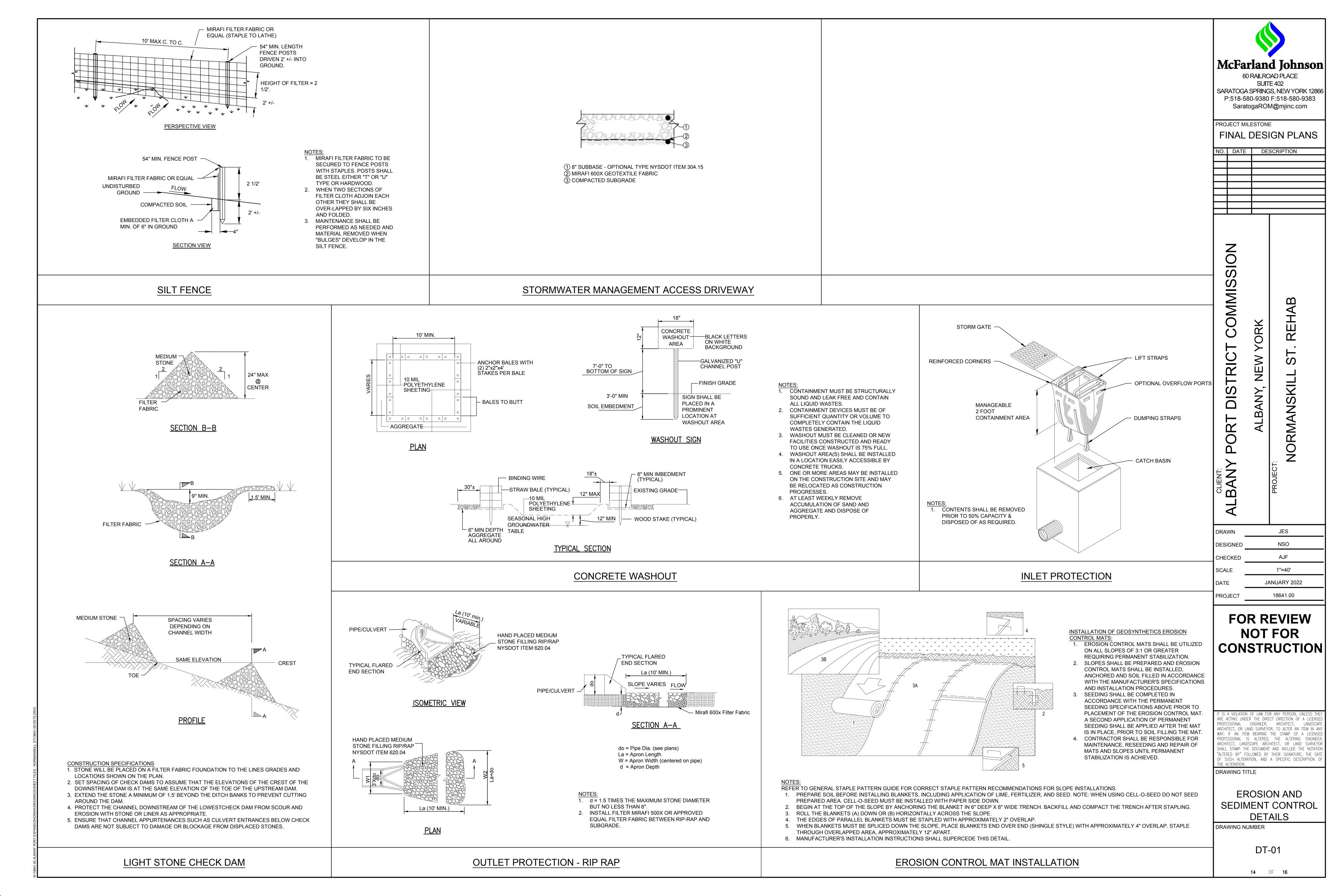
DRAWING TITLE

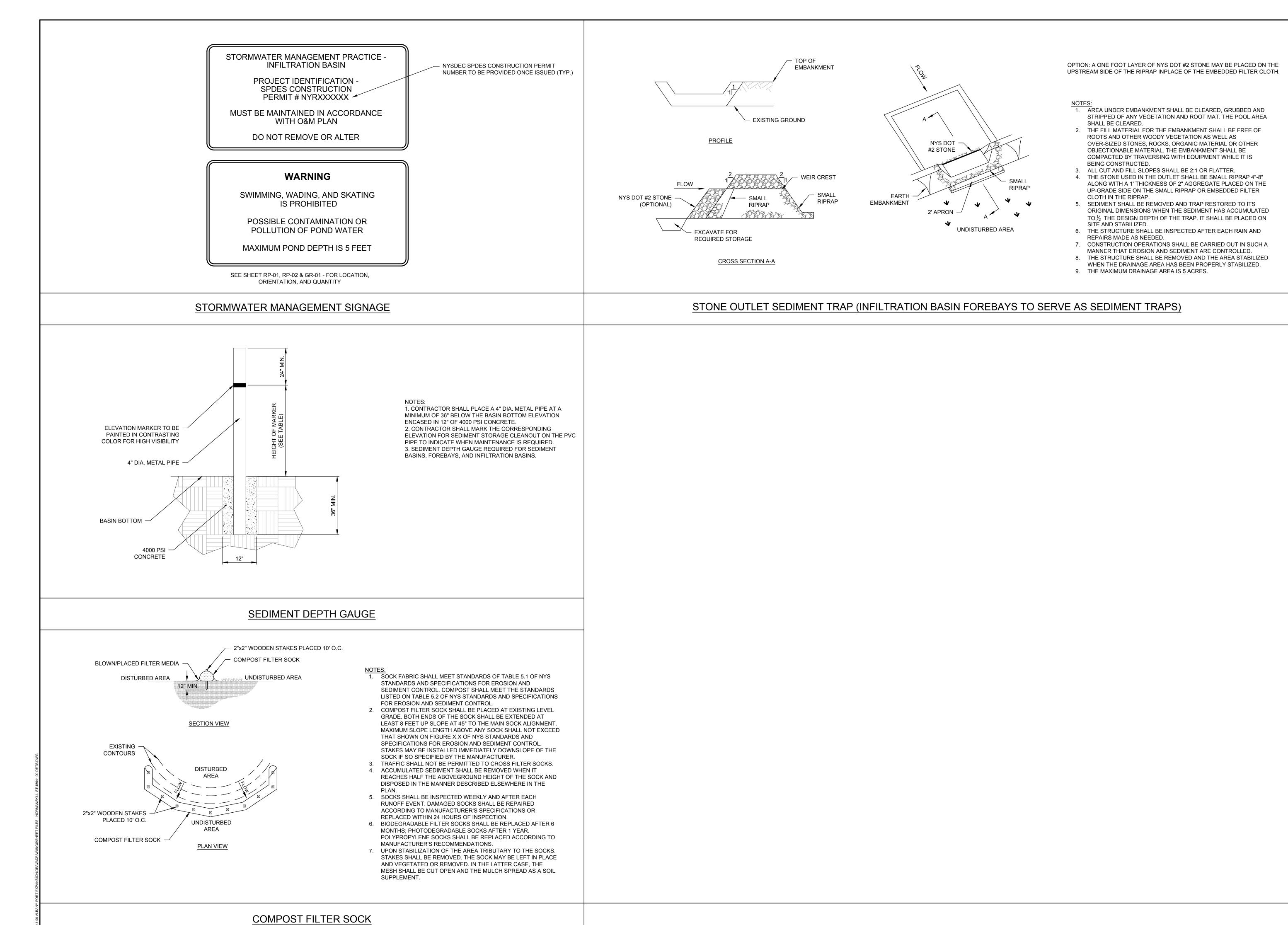
DRAINAGE TABLES

DRAWING NUMBER

GR-04

13 OF 16





McFarland Johnson

60 RAILROAD PLACE

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

PROJECT MILESTONE

FINAL DESIGN PLANS

NO. DATE DESCRIPTION

SION

COMMIS ORK TRIC DIS

JES DRAWN NSO DESIGNED AJF CHECKED SCALE 1"=40'

**FOR REVIEW NOT FOR** CONSTRUCTION

JANUARY 2022

18641.00

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DRAWING TITLE

PROJECT

**EROSION AND** SEDIMENT CONTROL **DETAILS** 

DRAWING NUMBER

DT-02

15 OF 16

