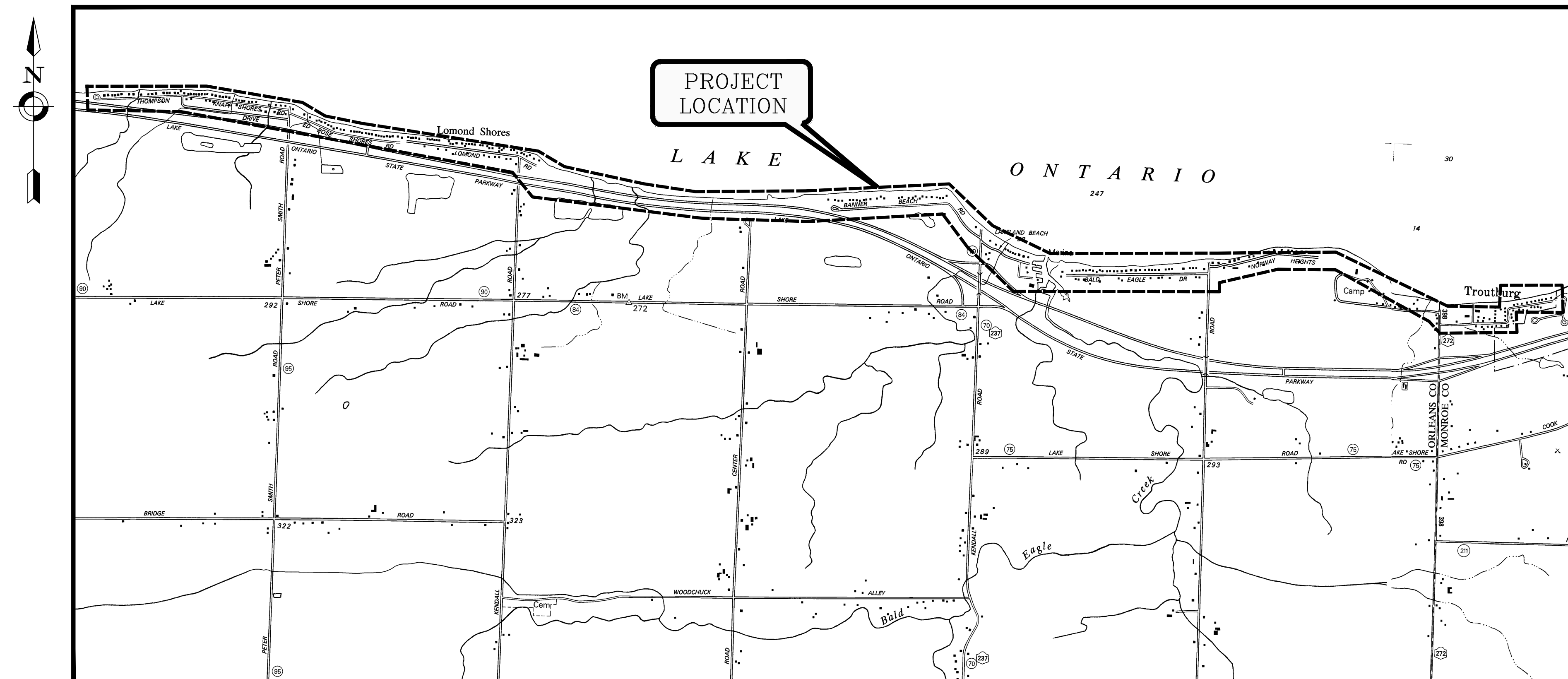




EXHIBIT 2
PROJECT PLANS

KENDALL REDI WASTEWATER (CONTRACT 1)

TOWN OF KENDALL / TOWN OF HAMLIN, NY



LOCATION MAP
N.T.S.

TOWN OF KENDALL
1873 KENDALL RD, KENDALL, NY 14476
PROJECT NO: 2200455
SEPTEMBER 2023

DRAWING INDEX

G001	SHEET INDEX
C001	GENERAL NOTES AND LEGEND
C301 - 337	LOW PRESSURE SEWER PLAN & PROFILES
C401	PUMP STATION 01 PLAN
C402	PUMP STATION 01 DETAILS
C501 - 503	CONSTRUCTION DETAILS
C504	MPOT PLAN
C505	MPOT DETAILS
C506	MPOT NOTES



300 State Street, Suite 201
Rochester, NY 14614
585-454-6110

labellapc.com

REDI WASTEWATER
INFRASTRUCTURE
(CONTRACT 1)

TOWN OF KENDALL & TOWN OF HAMLIN

NO:	DATE:	DESCRIPTION:
Revisions		

PROJECT NUMBER:2200455

DRAWN BY:JCP
REVIEWED BY:JRE

ISSUED FOR:60% DESIGN SUBMISSION

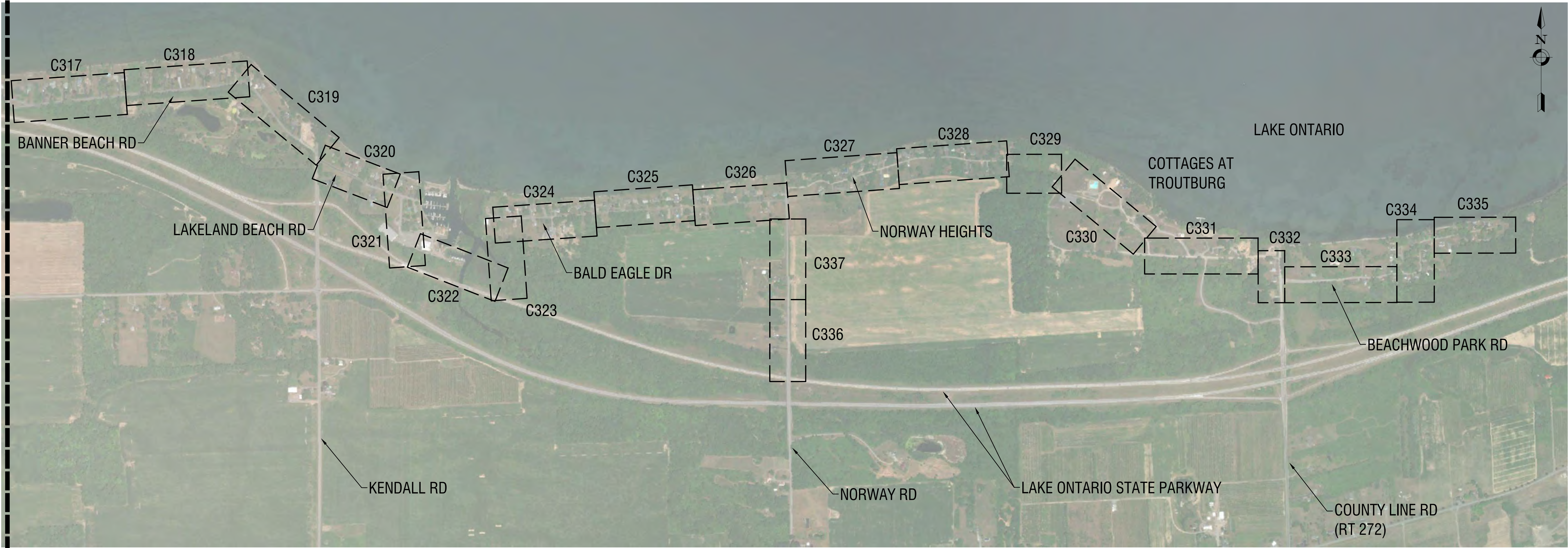
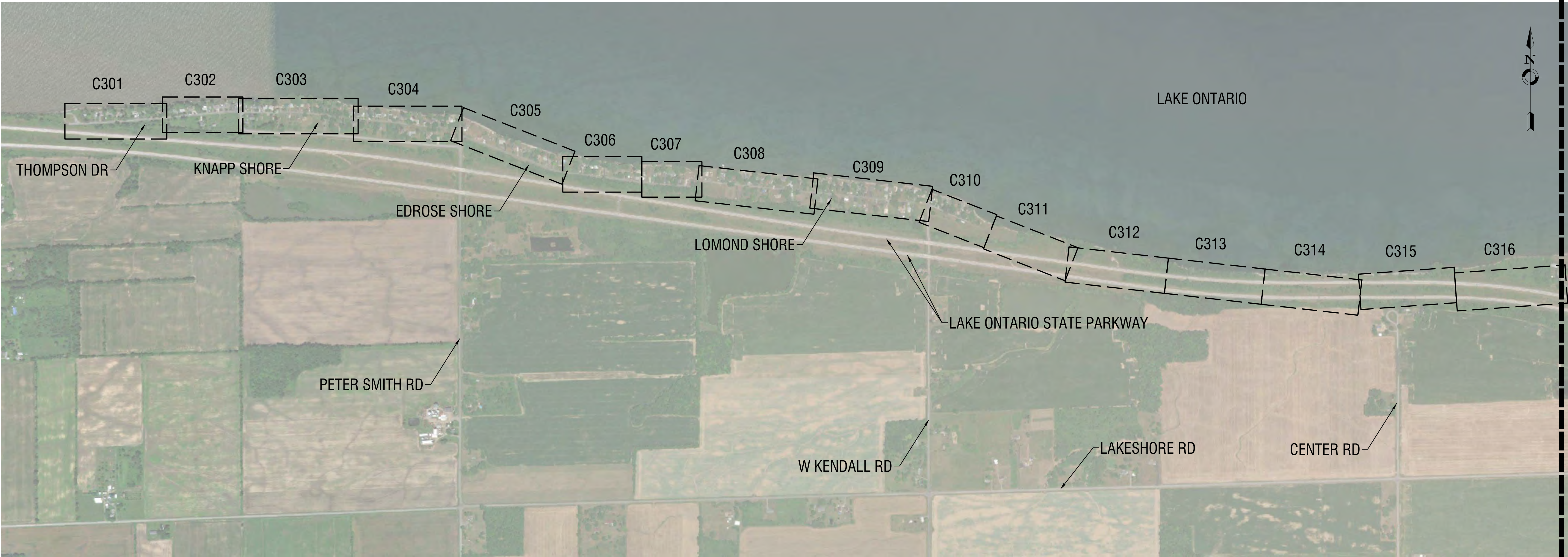
DATE:SEPTEMBER 2023

DRAWING NAME:

SHEET INDEX

DRAWING NUMBER:

G001



\\cash.la\p\pam7\Kendall - REDI Wastewater Infrastructure\Drawings\Civil\01 CONTRACT NO 1 - (LPSM COLLECTION)\C001 - GENERAL NOTES & LEGEND.dwg
8/31/2023 12:16:12 PM

GENERAL NOTES

- WORK ASSOCIATED WITH THIS CONTRACT WILL OCCUR ON AN ACTIVE AND FUNCTIONAL STREET. COORDINATE WITH THE OWNER, OWNERS DESIGNATED REPRESENTATIVE AND ARCHITECT/ENGINEER TO MINIMIZE DISRUPTION TO THE OPERATIONS OF THE FACILITY. THE CONTRACTOR IS SOLELY RESPONSIBLE TO PROVIDE A SAFE WORK SITE AND TO PROTECT THE PUBLIC FROM HARM AS A RESULT OF HIS CONSTRUCTION ACTIVITIES.
- THE HORIZONTAL AND VERTICAL LOCATION OF ALL EXISTING ABOVE GROUND AND BELOW GROUND UTILITIES, STRUCTURES, AND APPURTENANCES SHOWN ON THE PLANS ARE APPROXIMATE AND ARE NOT GUARANTEED. THE CONTRACTOR ALONE IS RESPONSIBLE FOR DETERMINING THE EXACT HORIZONTAL AND VERTICAL LOCATION OF ALL UTILITIES, STRUCTURES, AND APPURTENANCES IN THE PATH OF AND ADJACENT TO THE PROPOSED WORK AND REPORT THE RESULTS TO THE ENGINEER.
- PRIOR TO THE START OF CONSTRUCTION, DIG TEST PITS TO DETERMINE PRECISE LOCATIONS AND DEPTH OF ANY UNDERGROUND UTILITY IN QUESTION AND IMPACTED BY THE WORK. IMMEDIATELY REPORT RESULTS TO THE ARCHITECT/ENGINEER OF ANY SIGNIFICANT DISCREPANCIES BETWEEN THE PLANS AND ACTUAL LOCATIONS OF SAID STRUCTURES. TEST PITS AND ASSOCIATED REPORTING WILL BE AT NO ADDITIONAL COST TO THE OWNER.
- PROPERTY LINES AND RIGHTS-OF-WAY LINES AS SHOWN ARE APPROXIMATE AND ARE INTENDED FOR GENERAL INFORMATION. NO WARRANTY IS EXPRESSED OR IMPLIED TO THEIR ACCURACY.
- NOTIFY THE "DIG SAFELY - NEW YORK" UNDERGROUND FACILITIES PROTECTION ORGANIZATION 2 FULL WORKING DAYS NOT INCLUDING THE DAY OF YOUR CALL, WEEKENDS OR HOLIDAYS BEFORE COMMENCING EXCAVATION OR DRILLING OPERATIONS, AT 811 FOR A UTILITY STAKEOUT.
- THE SIZES AND MATERIAL OF CONSTRUCTION OF WATER MAINS AND SEWERS TO REMAIN ARE REPUTED. VERIFY SIZES OF ALL UTILITIES WHERE CONNECTIONS TO EXISTING UTILITIES ARE REQUIRED. EXCAVATION TO VERIFY THESE UTILITIES WILL BE MADE AT NO ADDITIONAL COST TO THE OWNER.
- PRESERVE AND SUPPORT ALL EXISTING PIPELINES, CONDUITS, AND CULVERTS ENCOUNTERED DURING EXCAVATION.
- MAINTAIN SAFE AND CONTINUOUS ACCESS TO ALL ACTIVE FIRE HYDRANTS THROUGHOUT THE PERIOD OF CONSTRUCTION UNLESS OTHERWISE NOTED ON THE PLANS.
- MAINTAIN DRAINAGE WITHIN THE PROJECT AREA THROUGHOUT THE CONSTRUCTION PERIOD.
- PRESERVE AND PROTECT FROM DAMAGE ALL SIGNS, SURVEY MONUMENTS, MAIL BOXES, LIGHT POLES AND OTHER STREET APPURTENANCES WITHIN THE RIGHT-OF-WAY AND WITHIN EASEMENTS EXISTING OR OBTAINED FOR THE PROJECT.
- PRESERVE AND PROTECT FROM DAMAGE ALL TREES, SHRUBS, AND PLANTS IN THE VICINITY OF THE PROPOSED WORK THAT ARE NOT OTHERWISE DESIGNATED FOR REMOVAL UNDER THIS CONTRACT.
- REPAIR, OR REPLACE IN-KIND, AS DETERMINED BY THE ENGINEER AND AT NO ADDITIONAL COST TO THE OWNER, ANY UTILITY, STREET APPURTENANCE, OR OTHER ITEM WHICH BECOMES DAMAGED AS A RESULT OF THE CONTRACTOR'S OPERATIONS.
- PROTECT AND PRESERVE ALL RIGHT-OF-WAY MONUMENTS AND PROPERTY CORNERS TO REMAIN. REPLACE, UNDER THE DIRECTION OF A LICENSED SURVEYOR AND AT NO ADDITIONAL COST TO THE OWNER, ALL RIGHT-OF-WAY MONUMENTS AND PROPERTY CORNERS DISTURBED BY THE CONTRACTORS OPERATIONS.
- PROMPTLY REMOVE AND PROPERLY DISPOSE OF ALL MATERIALS NOT OTHERWISE DESIGNATED TO BE STORED, REUSED, RELOCATED OR TURNED OVER TO THE OWNER OFFSITE. ALL DISPOSALS SHALL BE IN ACCORDANCE WITH FEDERAL, STATE AND LOCAL REGULATIONS. OBTAIN ANY AND ALL PERMITS REQUIRED FOR THE DISPOSAL.
- DEWATER ALL EXCAVATIONS TO PREVENT THE INTRODUCTION OF GROUNDWATER INTO THE TRENCHES/EXCAVATIONS. PROVIDE ALL EQUIPMENT NECESSARY TO MAINTAIN THE GROUNDWATER LEVEL AS NECESSARY.
- ADJUST THE RIMS OF ALL MANHOLES, CATCH BASINS, VALVE BOXES AND OTHER UTILITY SITE STRUCTURES TO MEET FINISHED GRADE IN AREAS REQUIRING REPAVING OR REGRAIDING AS PART OF THE WORK, INCLUDING THOSE THAT MAY NOT BE SHOWN ON THE PLANS.
- THERE MAY BE OTHER CONTRACTS FOR WORK TO BE DONE IN AND/OR ADJACENT TO WORK AREAS OF THIS CONTRACT DURING THE WORK PERIOD OF THIS CONTRACT. THIS CONTRACTOR AND SUCH OTHER CONTRACTORS SHALL COORDINATE THEIR WORK TO CONFORM TO THE PROGRESSIVE OPERATION OF ALL THE WORK COVERED BY SUCH CONTRACTS, AND AFFORD EACH OTHER REASONABLE OPPORTUNITIES FOR THE INTRODUCTION AND STORAGE OF THEIR SUPPLIES, MATERIALS, EQUIPMENT AND THE EXECUTION OF THEIR WORK.

SURVEY NOTES

- FIELD VERIFY ALL EXISTING CONDITIONS PRIOR TO BID. NO ALLOWANCE WILL BE MADE FOR ADDITIONAL COSTS DUE TO CONTRACTOR'S FAILURE TO VERIFY EXISTING CONDITIONS.
- LOCATE, MARK, SAFEGUARD AND PRESERVE ALL SURVEY MARKERS AND RIGHT-OF-WAY MARKERS IN THE AREA OF CONSTRUCTION.
- ANY IRON PINS, MONUMENTS OR OTHER ITEMS DEFINING PROPERTY LINES WHICH ARE DISTURBED BY CONSTRUCTION OPERATIONS SHALL BE PROPERLY TIED AND ACCURATELY RESET BY A NYS LICENSED SURVEYOR UPON COMPLETION OF THE WORK.
- HORIZONTAL DATUM BASED OFF NAD83 (2011) (GRID).
- VERTICAL BASED OFF OF NAVD88.

SITE NOTES

- WELL COMPACTED SUBGRADE SHALL BE UTILIZED UNDERNEATH CONSTRUCTION OF PAVEMENT AND CONCRETE BASES.
- ALL STAKEOUT FOR THE PROPOSED SITE IMPROVEMENTS SHALL BE COMPLETED BY A NEW YORK STATE LICENSED LAND SURVEYOR.
- IF ANY DISCREPANCIES ARE NOTED BETWEEN THESE CONSTRUCTION DOCUMENTS AND INFORMATION PROVIDED OR AN ERROR IS SUSPECT, IT SHALL BE IMMEDIATELY REPORTED TO THE CONSTRUCTION MANAGER AND LABELLA ASSOCIATES PROJECT MANAGER IN WRITING.
- PARCEL LINES AS SHOWN BY ORLEANS COUNTY GIS DATABASE, FOR THE TOWN OF KENDALL.

DEMOLITION AND REMOVAL NOTES

- THE CONTRACTOR IS RESPONSIBLE FOR PROMPT REMOVAL AND PROPER DISPOSAL OFF-SITE OF ALL MATERIALS NOT OTHERWISE DESIGNATED TO BE STORED, REUSED, RELOCATED OR TURNED OVER TO THE OWNER.
- ALL EXCAVATED MATERIAL, TO BE REMOVED FROM THE SITE AND PROPERLY DISPOSED OF BY THE CONTRACTOR.
- ALL DISPOSALS SHALL BE IN ACCORDANCE WITH FEDERAL, STATE AND LOCAL REGULATIONS. THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING ANY AND ALL PERMITS REQUIRED AND THE COST OF DISPOSAL. PROVIDE DOCUMENTATION OF DISPOSAL.
- ALL ASPHALT AND CONCRETE TO BE SAWCUT WITH A STRAIGHT AND NEAT EDGE PRIOR TO EXCAVATION. ANY ASPHALT OR CONCRETE DESIGNATED TO REMAIN AND DAMAGED DURING CONSTRUCTION SHALL BE REPLACED IN-KIND BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE OWNER.
- COMPLETE ALL DEMOLITIONS AND REMOVALS AS REQUIRED TO COMPLETE THE WORK.
- PROVIDE A DUMPING PERMIT SIGNED BY THE OWNER OF ANY PROPERTY WHERE MATERIAL WILL BE DISPOSED OF. THE PERMIT MUST INCLUDE THE OWNER NAME AND PROPERTY ADDRESS AND RELEASE THE OWNER AND ENGINEER OF ANY CLAIMS PRESENT AND FUTURE FOR DAMAGE TO THE PROPERTY. PERMITS MUST BE RECEIVED BY THE ENGINEER PRIOR TO THE START OF CONSTRUCTION.
- SITE DRAINAGE, INCLUDING THE PROJECT SITE AND ADJACENT PRIVATE AND PUBLIC ROADWAYS, DRIVES, PARKING AREAS OR PROPERTIES SHALL BE MAINTAINED THROUGHOUT THE CONSTRUCTION PERIOD.
- NOTIFY THE LOCAL GOVERNMENT, LOCAL FIRE DEPARTMENT AND THE NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION (NYSDEC) AS NECESSARY TO OBTAIN ANY REQUIRED PERMITS PRIOR TO BEGINNING WORK. COPIES OF ANY REQUIRED PERMITS SHALL BE PROVIDED TO THE OWNER PRIOR TO BEGINNING THE WORK.
- REMOVE FROM SITE, MATERIALS NOT INDICATED TO BE SALVAGED INCLUDING ALL DEBRIS. ALL REMOVED MATERIALS SHALL BECOME THE PROPERTY OF CONTRACTOR WHO SHALL LEGALLY DISPOSE OF SAME.
- ALL TREES, SHRUBS AND PLANTS DESIGNATED TO REMAIN AND DISTURBED BY CONSTRUCTION OPERATIONS, SHALL BE REPLACED IN-KIND AS DIRECTED BY THE ARCHITECT/ENGINEER AND/OR OWNER'S DESIGNATED REPRESENTATIVE AT NO ADDITIONAL COST TO THE OWNER.
- MAINTAIN SAFE VEHICULAR AND PEDESTRIAN ACCESS TO THE EXISTING BUILDINGS FOR THE DURATION OF THE CONTRACT.
- WHEN EXISTING CONSTRUCTION WHICH IS TO REMAIN IS DAMAGED DURING THE COURSE OF CONSTRUCTION AS A RESULT OF CONTRACTORS WORK, IT SHALL BE REPAIRED AND/OR REPLACED WITH SIMILAR OR LIKE MATERIALS AS MUCH AS POSSIBLE, AT NO COST TO THE OWNER. ALL REPAIRS AND/OR REPLACEMENTS WILL BE SUBJECT TO OWNERS APPROVAL.
- COORDINATE LOCATION OF TEMPORARY CONSTRUCTION FENCE AND TEMPORARY STONE STAGING AREA WITH OWNER

EXCAVATION AND GRADING NOTES

- CONFORM TO THE REQUIREMENTS OF OSHA, AND ANY OTHER AGENCY HAVING JURISDICTION WITH REGARD TO SAFETY PRECAUTIONS WITH TRENCHING OPERATIONS. THE REQUIREMENTS SET FORTH HEREIN ARE INTENDED TO SUPPLEMENT REQUIREMENTS ESTABLISHED BY THESE AGENCIES. IN THE CASE OF A CONFLICT BETWEEN REQUIREMENTS OF OTHER JURISDICTIONAL AGENCIES AND THESE DOCUMENTS, THE MORE STRINGENT REQUIREMENT SHALL APPLY.
- STORE EXCAVATED OR OTHER MATERIALS A MINIMUM OF 2 FEET FROM THE EDGE OF TRENCH.
- GUARD WALLS OR FACES OF TRENCHES 5 FEET DEEP OR GREATER WITH A SHORING SYSTEM, TO PREVENT CAVE-IN.
- PROVIDE AN ADEQUATE MEANS OF EXIT, SUCH AS LADDERS OR STEPS, LOCATED NO MORE THAN 25 FEET OF LATERAL TRAVEL, IN ALL TRENCHES 4 FEET OR MORE DEEP.
- ASSIGN AN AUTHORIZED, AND COMPETENT, REPRESENTATIVE TO CONDUCT DAILY INSPECTIONS OF EXCAVATIONS.
- INSTRUCT ALL EMPLOYEES TO RECOGNIZE AND AVOID THE HAZARDS ASSOCIATED WITH UNDERGROUND CONSTRUCTION ACTIVITIES.
- SUPPLY FRESH AIR TO ALL UNDERGROUND WORK AREAS.
- SHEETING, IF REQUIRED DURING CONSTRUCTION, IS CONSIDERED TO BE PART OF THIS CONTRACT AND PROVIDED AT NO ADDITIONAL COST TO THE OWNER.
- ALL TRENCHES THROUGH PAVEMENT SHALL BE SAW CUT PRIOR TO EXCAVATION AND AGAIN PRIOR TO SURFACE RESTORATION.
- ALL EXCESS EXCAVATED MATERIALS SHALL BE REMOVED FROM THE SITE AND PROPERLY DISPOSED OF BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE OWNER.

EROSION AND SEDIMENT CONTROL NOTES

- ALL EROSION CONTROL MEASURES SHALL BE IN ACCORDANCE WITH NEW YORK STANDARDS AND SPECIFICATIONS FOR EROSION AND SEDIMENT CONTROL, AND LOCAL GOVERNING SOIL AND WATER CONSERVATION AGENCY RECOMMENDATIONS AND STANDARDS. CONTRACTOR SHALL SUBMIT PROPOSED EROSION CONTROL PLAN INCLUDING SEQUENCING OF WORK TO THE ARCHITECT/ENGINEER FOR REVIEW PRIOR TO START OF WORK.
- THE CONTRACTOR IS RESPONSIBLE FOR UTILIZING EROSION AND SEDIMENTATION CONTROL TECHNIQUES IN ALL AREAS OF CONSTRUCTION WHERE SEDIMENT LADEEN RUNOFF MAY BE GENERATED BY CONSTRUCTION OPERATIONS.
- FOR THE DURATION OF THE PROJECT, PROTECT ALL WETLANDS, STORM SEWERS AND WATER COURSES FROM CONTAMINATION BY WATER BORNE SILTS, SEDIMENTS, FUELS, SOLVENTS, LUBRICANTS OR OTHER POLLUTANTS ORIGINATING FROM ANY WORK DONE ON, OR IN SUPPORT OF THIS PROJECT.
- ALL METHODS AND EQUIPMENT PROPOSED BY THE CONTRACTOR TO ACCOMPLISH THE WORK FOR EROSION AND POLLUTION CONTROL SHALL BE SUBJECT TO APPROVAL OF THE ARCHITECT/ENGINEER.
- CONTRACTOR STAGING AREAS AND CONSTRUCTION ENTRANCE LOCATIONS SHALL BE COORDINATED WITH THE OWNER PRIOR TO START OF CONSTRUCTION.
- PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHT-OF-WAYS OR INTERFERING WITH THE OPERATION OF THE EXISTING FACILITY. KEEP ALL SIDEWALKS, STREETS, DRIVES, CART PATHS AND OTHER PAVEMENTS CLEAN AND FREE FROM DIRT, MUD, STONES AND OTHER HAULED MATERIALS AS A RESULT OF THE WORK.
- ROADS ARE TO BE KEPT CLEAR OF MUD AND DEBRIS AT ALL TIMES.

SANITARY SEWER / FORCE MAIN NOTES

- PERFORM WORK REQUIRED TO VERIFY ALL EXISTING INVERT ELEVATIONS AND SEWERS TO BE CONNECTED PRIOR TO THE START OF CONSTRUCTION AND REPORT THE RESULTS TO THE ARCHITECT/ENGINEER.
- UTILITY LINES OR APPURTENANT STRUCTURES CROSSING THE AREAS OF EXCAVATION SHALL BE TEMPORARILY SUPPORTED AND OTHERWISE PROTECTED DURING CONSTRUCTION.
- THE NEW SANITARY SEWERS, FORCE MAINS AND MANHOLES MUST PASS LEAKAGE TEST REQUIREMENTS PRIOR TO FINAL ACCEPTANCE. TEST SEWERS WITH LATERALS INSTALLED.
- THE NEW FORCE MAIN SHALL BE A MINIMUM OF 6.5' BELOW GRADE.
- ALL SANITARY FORCE MAIN AND LATERALS SHALL BE CONSTRUCTED USING SDR11 HDPE DIPS PIPE IN ACCORDANCE WITH AWWA C901 AND ASTM D3350.
- ALL FITTINGS REQUIRED TO COMPLETE THE WORK ARE NOT INCLUDED ON THE PLANS. THE CONTRACTOR SHALL BE REQUIRED TO PROVIDE AND INSTALL ALL NECESSARY FITTINGS REQUIRED TO COMPLETE THE WORK AT NO ADDITIONAL COST TO THE OWNER.
- WHERE EXISTING SEWERS AND APPURTENANCES ARE ABANDONED OR REMOVED, AND NEW FACILITIES IN THE SAME AREA ARE CONSTRUCTED, THE SEWAGE FLOW SHALL BE BYPASSED THROUGH A SUITABLE CLOSED CONDUIT WITH PUMPS, IF NECESSARY. THIS WORK SHALL BE PERFORMED WITHOUT BACKING UP THE FLOW IN ANY EXISTING SEWER, BASEMENT, BUILDINGS OR PRIVATE FIXTURE AND SHALL MEET ALL REQUIREMENTS OF THE STATE AND LOCAL HEALTH AUTHORITIES.
- THE CONTRACTOR IS RESPONSIBLE FOR THE REMOVAL AND PROPER DISPOSAL OF THE EXISTING SANITARY OR STORM MAINS, STRUCTURES, AND APPURTENANCES AS NEEDED TO COMPLETE THE WORK UNLESS OTHERWISE SHOWN ON THE PLANS.
- WORK WITHIN AN ACTIVE SANITARY CONVEYANCE SYSTEM IS REQUIRED TO COMPLETE THE WORK. THE CONTRACTOR SHALL MAKE HIS OWN ASSESSMENT OF THE CONDITIONS AND SHALL INSTITUTE WHATEVER WORK RULES AND TAKE WHATEVER MEASURES HE DEEMS NECESSARY TO COMPLY WITH OSHA REGULATIONS AND FOR PERMIT REQUIRED CONFINED SPACE.
- THE CONTRACTOR ALONE IS RESPONSIBLE FOR THE DETERMINATION OF THE LOCATION OF ALL LATERALS (STORM AND SANITARY). IT IS ANTICIPATED THAT LATERALS EXIST FOR ALL EXISTING BUILDINGS.
- PIPES CONNECTING TO THE MANHOLE SHALL HAVE A JOINT WITHIN 2'-0" (MAX.) OF THE MANHOLE UNLESS OTHERWISE NOTED.
- CONTINUOUS SANITARY SERVICE MUST BE MAINTAINED THROUGHOUT CONSTRUCTION. PROVIDE TEMPORARY CONNECTIONS (INCLUDING STRUCTURES) TO FACILITATE THE MEANS AND METHODS OF CONSTRUCTION AND PROPOSED PHASING PLAN. THE CONTRACTOR IS RESPONSIBLE TO REMOVE OR ABANDON ALL TEMPORARY CONNECTIONS.

TOWN ROADS NOTES

- MATERIAL, EQUIPMENT AND VEHICLES ARE NOT TO BE STORED OR PARKED WITHIN PAVEMENT OF STREETS.
- SAFE AND CONTINUOUS THROUGH TRAFFIC AND INGRESS AND EGRESS FOR PRIVATE DRIVEWAYS, SERVICE ROADS, AND PUBLIC STREETS SHALL BE MAINTAINED THROUGHOUT THE PERIOD OF CONSTRUCTION.
- IF, BY AGREEMENT WITH THE OWNER, A STREET WILL REQUIRE TEMPORARY CLOSING DURING CONSTRUCTION, NOTIFY IN WRITING THE LOCAL AND STATE POLICE, AND LOCAL FIRE DEPARTMENT REGARDING THE CLOSING. ACCESS TO PRIVATE DRIVEWAYS SHALL BE RESTORED AT THE END OF EACH WORK DAY.
- ERECT AND MAINTAIN MPOT SIGNAGE WHILE SEWER CONSTRUCTION IS UNDER WAY. ALL EXCAVATIONS LEFT OPEN OVERNIGHT SHALL BE STEEL PLATED.
- MAINTENANCE AND PROTECTION OF TRAFFIC MUST COMPLY WITH THE NEW YORK STATE DEPARTMENT OF TRANSPORTATION "MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES", SECTION 619 OF THE CURRENT NYSDOT STANDARD SPECIFICATIONS AND AS ORDERED BY THE ARCHITECT/ENGINEER.
- NO NIGHT WORK IS ALLOWED UNLESS APPROVED PRIOR TO START OF PROJECT. ADDITIONAL MAINTENANCE AND PROTECTION OF TRAFFIC MAY BE REQUIRED INCLUDING THE ADDITION OF REFLECTIVE MATERIALS AND LIGHTING.
- IF ELEVATIONS OR DEPTHS OF MATERIALS ARE DETERMINED TO NOT BE IN COMPLIANCE WITH THE CONTRACT PLANS THE CONTRACTOR SHALL TAKE CORRECTIVE ACTIONS AS DETERMINED BY THE ARCHITECT/ENGINEER. THE CONTRACTOR IS SOLELY RESPONSIBLE FOR ALL INSTALLATION.
- THE ROADS TO BE KEPT FREE OF MUD AND DEBRIS AT ALL TIMES.

SPECIAL NOTES

- PRIOR TO THE START OF CONSTRUCTION, VIDEO DOCUMENT (USING A DRONE) ENTIRE PROJECT AREA AND PROVIDE THE DOCUMENTATION ON A DIGITAL USB OR PORTABLE HARD DRIVE TO THE TOWN AND THE ENGINEER.
- RESTORE ALL AREAS AS REQUIRED TO EXCAVATE & INSTALL GRINDER PUMPS (PATIOS, PAVERS, FENCING, GRASS, PAVEMENT, ETC) TO PRE CONSTRUCTION CONDITIONS. RESTORATION TO BE INCLUDED IN THE COST OF THE GRINDER PUMPS, NO ADDITIONAL PAYMENT WILL BE MADE.
- PROTECT AND SUPPORT ALL EXISTING STRUCTURES AND UTILITY POLES.
- AT LEAST 15 WORKING DAYS PRIOR TO EXPECTED INSTALLATION OF EACH GRINDER PUMP THE CONTRACTOR SHALL CONFIRM ELECTRICAL SERVICE LOCATION AND VOLTAGE WITH HOMEOWNER.
- LOCATION OF EXISTING PRIVATE AND PUBLIC UTILITIES ARE UNKNOWN. CONTRACTOR TO LOCATE, PROTECT AND WORK AROUND ALL EXISTING PRIVATE UTILITIES, AND INCLUDE ALL COSTS IN BID PRICE. NO ADDITIONAL PAYMENT WILL BE MADE TO GO AROUND, UNDER, OR ABOVE, AN EXISTING UTILITY. REPAIR DAMAGE TO ANY EXISTING UTILITY AT NO ADDITIONAL COST.
- PUMP CONTROL / ALARM PANEL LOCATIONS INDICATED ON THE PLANS ARE APPROXIMATE. VERIFY FINAL LOCATION WITH SITE REPRESENTATIVE & HOMEOWNER.
- THE CONTRACTOR IS NOT RESPONSIBLE FOR POWER CONNECTION BETWEEN THE HOMEOWNER'S ELECTRICAL PANEL AND THE GRINDER PUMP ALARM PANEL.
- FACTORY WIRING DIAGRAM OF THE BASIS-OF-DESIGN GRINDER PUMP SYSTEM IS INCLUDED ON SHEET 7/C502.

LEGEND

EXISTING	PROPOSED	DESCRIPTION
		PROJECT BENCHMARK / CONTROL POINTS
		BORING LOCATIONS
		OBJECT REMOVAL
		REMOVAL/ABANDONMENT
		SAWCUT
		PROTECTION (OBJECT)
		TREE PROTECTION
		FENCE, CHAIN LINK
		FENCE, GUIDE RAIL
		TREE/VEGETATION LIMIT
		NYSDEC WETLAND BUFFER
		BUILDING/STRUCTURE
		PROPERTY LINE
		EASEMENTS
		RIGHT-OF-WAY
		SIGN
		BUSH
		DECIDUOUS TREE
		CONIFEROUS TREE
		SHRUB
		UTILITY POLE
		UTILITY POLE WITH LIGHT
		HANDHOLE
		MANHOLE
		ALARM PANEL MOUNTED TO STRUCTURE
		ALARM PANEL MOUNTED TO POST
		TRACER WIRE BOX
		END SECTION
		CATCH BASIN
		MANHOLE (SOLID COVER)
		CLEAN OUT
		HYDRANT
		VALVE
		CURB STOP
		TELEPHONE LINE
		UNDERGROUND ELECTRIC
		GAS LINE
		SANITARY LINE
		SANITARY FORCE MAIN
		STORM LINE
		WATER LINE
		MAJOR CONTOUR
		MINOR CONTOUR
		INLET PROTECTION
		EROSION FENCE
		LOW PRESSURE SEWER MAIN
		ALARM CONDUIT
		TRACER WIRE BOX

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585-454-6110

labellapc.com

NOT FOR CONSTRUCTION
EXP: 12/31/2023 EXP: ##/##/20##

CERTIFICATE OF AUTHORIZATION NUMBER:
PROFESSIONAL ENGINEERING: 095099
LAND SURVEYING: 017976
GEOLOGICAL: 018750

It is a violation of New York Education Law Art. 145 Sec. 7209 & Art. 147 Sec. 7307, for any person, unless acting under the direction of a licensed architect, professional engineer, or land surveyor, to alter an item in any way. If an item bearing the seal of an architect, engineer, or land surveyor is altered, the altering architect, engineer, or land surveyor shall affix to the item their seal and notation "altered by" followed by their signature and date of such alteration, and a specific description of the alteration.

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REDI WASTEWATER INFRASTRUCTURE (CONTRACT 1)

TOWN OF KENDALL & TOWN OF HAMLIN

NO:	DATE:	DESCRIPTION:
Revisions		

PROJECT NUMBER:	2200455
DRAWN BY:	JCP
REVIEWED BY:	JRE
ISSUED FOR:	60% DESIGN SUBMISSION
DATE:	SEPTEMBER 2023
DRAWING NAME:	

GENERAL NOTES & LEGEND

DRAWING NUMBER:

C001



REDI WASTEWATER
INFRASTRUCTURE
(CONTRACT 1)

TOWN OF KENDALL & TOWN OF HAMLIN

NO:	DATE:	DESCRIPTION:
Revisions		

PROJECT NUMBER: 2200455

DRAWN BY: JCB

REVIEWED BY: JRE

ISSUED FOR: 60% DESIGN SUBMISSION

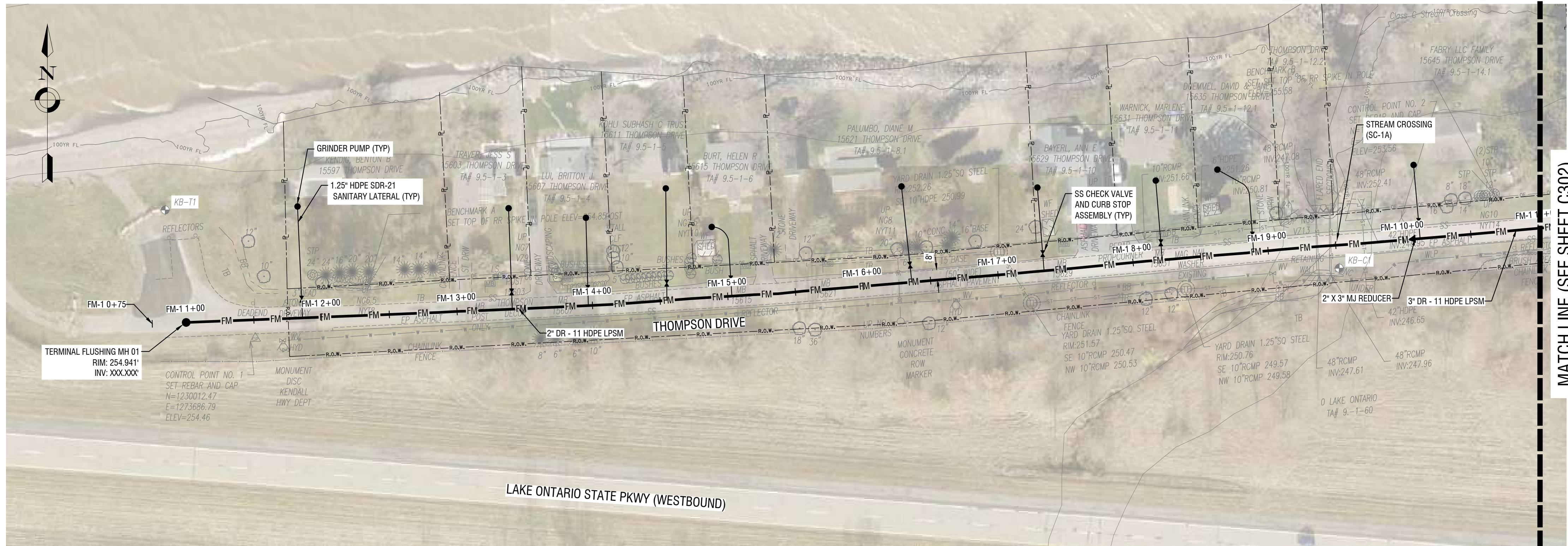
DATE: SEPTEMBER 2023

DRAWING NAME:

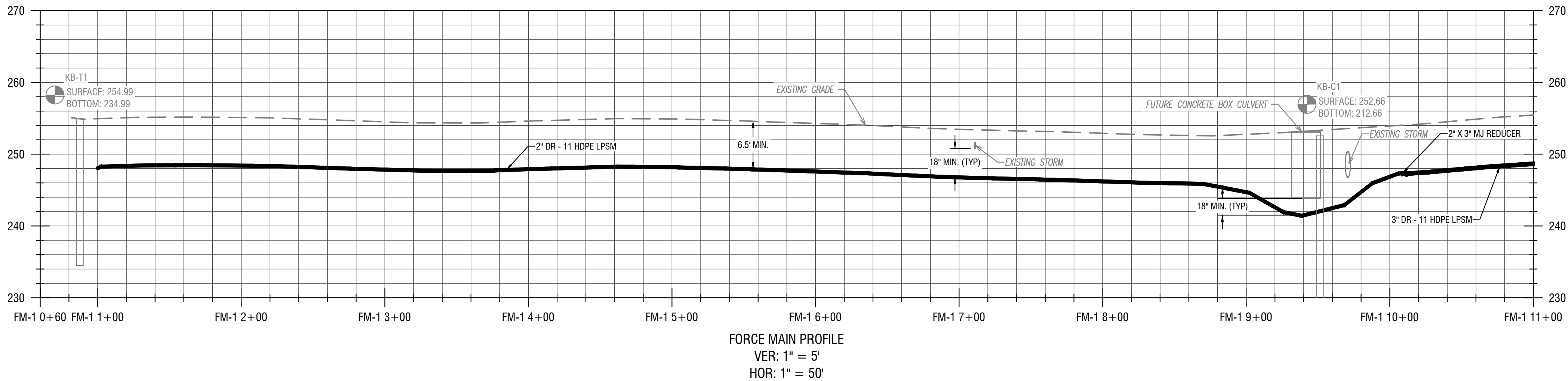
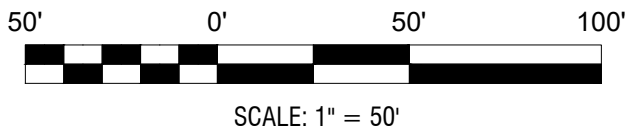
LOW PRESSURE SEWER PLAN
& PROFILES
(THOMPSON DRIVE)

DRAWING NUMBER:

C301



1 LOW PRESSURE SEWER PLAN
C301 HORIZ: 1" = 50'



2 LOW PRESSURE SEWER PROFILE
C301 VERT: 1" = 10'
HORIZ: 1" = 50'

- KEY NOTES
- GRINDER PUMPS WITH REMOTE VENTING
 - INSTALL ALARM PANEL (FURNISHED BY OWNER), MOUNTED TO HOUSE
 - INSTALL ALARM PANEL (FURNISHED BY OWNER), MOUNTED TO POST
 - PROVIDE ONE 3/4" PVC CONDUIT BETWEEN THE PUMP CONTROL / ALARM PANEL & THE GRINDER PUMP. INSTALL ELECTRICAL SUPPLY CABLE (ESO) PROVIDED WITH PUMP - CONNECT TO GRINDER PUMP AND CONTROL / ALARM PANEL.

NOT FOR CONSTRUCTION

EXP: 12/31/2023 EXP: ##/##/20##

CERTIFICATE OF AUTHORIZATION NUMBER:
PROFESSIONAL ENGINEERING: 095099
LAND SURVEYING: 017976
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DRAWN BY: JCB
REVIEWED BY: JRE

ISSUED FOR: 60% DESIGN SUBMISSION

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DRAWING NAME:

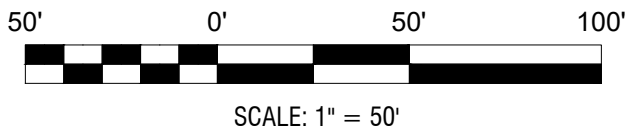
LOW PRESSURE SEWER PLAN
& PROFILES
(THOMPSON DRIVE)

DRAWING NUMBER:

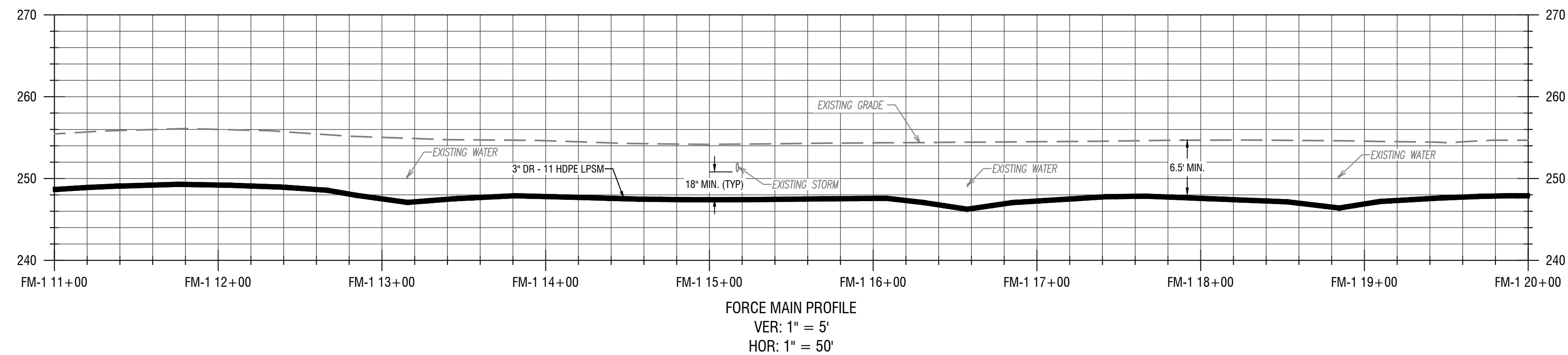
C302



1 LOW PRESSURE SEWER PLAN
C302 HORIZ: 1" = 50'



SCALE: 1" = 50'



2 LOW PRESSURE SEWER PROFILE
C302 VERT: 1" = 10'
HORIZ: 1" = 50'

- KEY NOTES
- GRINDER PUMPS WITH REMOTE VENTING
 - INSTALL ALARM PANEL (FURNISHED BY OWNER), MOUNTED TO HOUSE
 - INSTALL ALARM PANEL (FURNISHED BY OWNER), MOUNTED TO POST
 - PROVIDE ONE 3/4" PVC CONDUIT BETWEEN THE PUMP CONTROL / ALARM PANEL & THE GRINDER PUMP. INSTALL ELECTRICAL SUPPLY CABLE (ESO) PROVIDED WITH PUMP - CONNECT TO GRINDER PUMP AND CONTROL / ALARM PANEL.



REDI WASTEWATER
INFRASTRUCTURE
(CONTRACT 1)

TOWN OF KENDALL & TOWN OF HAMLIN

NO.	DATE:	DESCRIPTION:
Revisions		

PROJECT NUMBER: 2200455

DRAWN BY: JCB
REVIEWED BY: JRE

ISSUED FOR: 60% DESIGN SUBMISSION

DATE: SEPTEMBER 2023

DRAWING NAME:

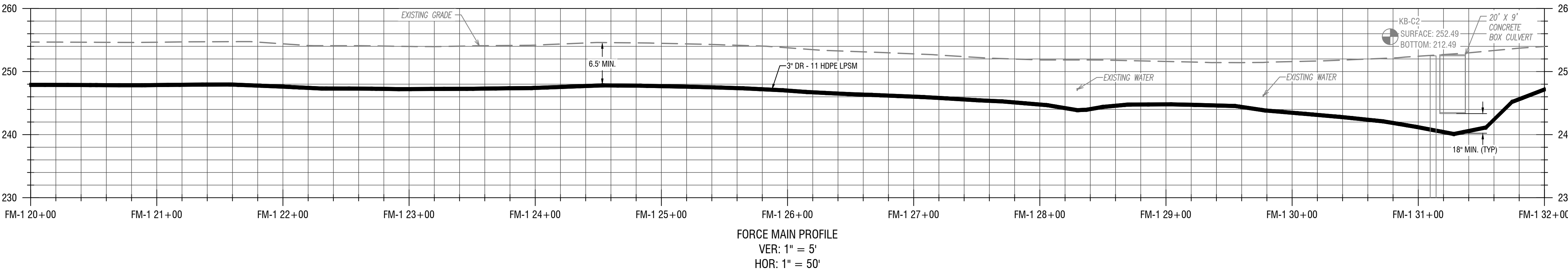
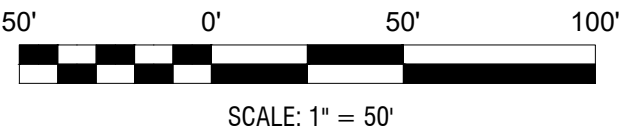
LOW PRESSURE SEWER PLAN
& PROFILES
(KNAPP SHORE)

DRAWING NUMBER:

C303



1 LOW PRESSURE SEWER PLAN
C303 HORIZ: 1" = 50'



2 LOW PRESSURE SEWER PROFILE
C303 VERT: 1" = 5'
HORIZ: 1" = 50'

- KEY NOTES
- GRINDER PUMPS WITH REMOTE VENTING
 - INSTALL ALARM PANEL (FURNISHED BY OWNER), MOUNTED TO HOUSE
 - INSTALL ALARM PANEL (FURNISHED BY OWNER), MOUNTED TO POST
 - PROVIDE ONE 3/4" PVC CONDUIT BETWEEN THE PUMP CONTROL / ALARM PANEL & THE GRINDER PUMP. INSTALL ELECTRICAL SUPPLY CABLE (ESO) PROVIDED WITH PUMP - CONNECT TO GRINDER PUMP AND CONTROL / ALARM PANEL.

NOT FOR CONSTRUCTION

CERTIFICATE OF AUTHORIZATION NUMBER:
PROFESSIONAL ENGINEERING: 095099
LAND SURVEYING: 017976
GEOLOGICAL: 018750

It is a violation of New York Education Law Art. 145 Sec. 7209 & Art. 147 Sec. 7307, for any person, unless acting under the direction of a licensed architect, professional engineer, or land surveyor, to alter an item in any way. If an item bearing the seal of an architect, engineer, or land surveyor is altered, the altering architect, engineer, or land surveyor shall affix to the item their seal and notation "altered by" followed by their signature and date of such alteration, and a specific description of the alteration.

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INFRASTRUCTURE
(CONTRACT 1)

TOWN OF KENDALL & TOWN OF HAMLIN

NO.	DATE:	DESCRIPTION:
Revisions		

PROJECT NUMBER: 2200455

DRAWN BY: JCB
REVIEWED BY: JRE

ISSUED FOR: 60% DESIGN SUBMISSION

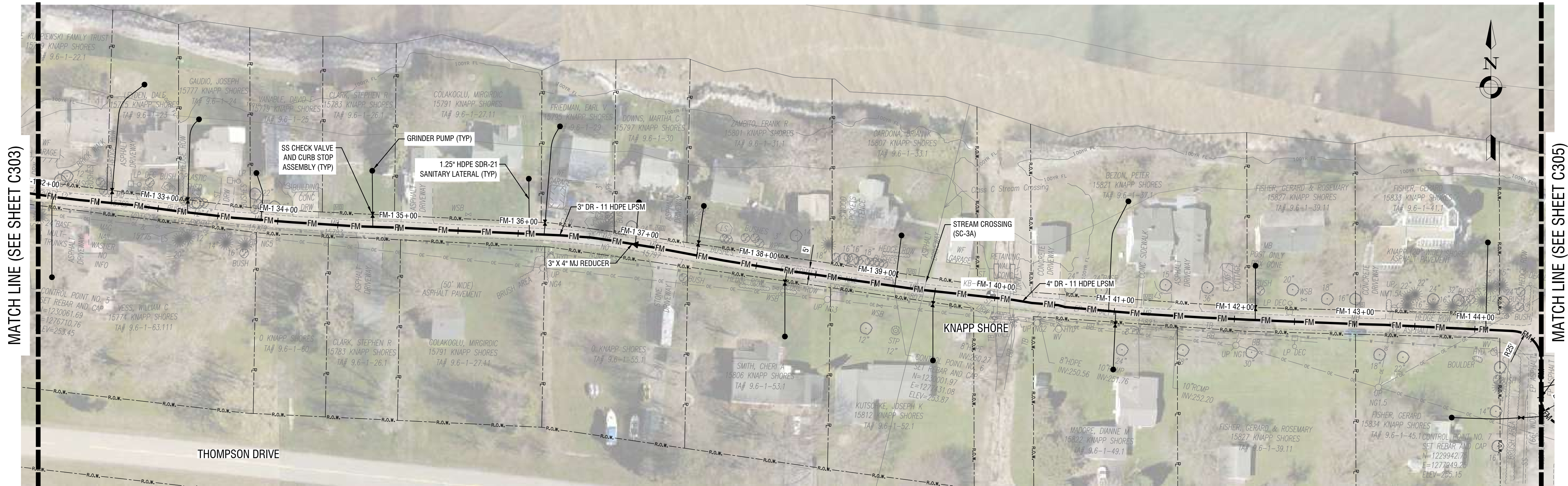
DATE: SEPTEMBER 2023

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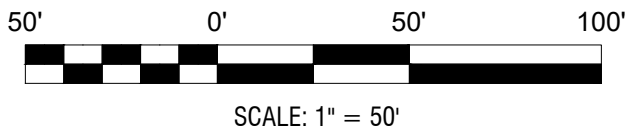
LOW PRESSURE SEWER PLAN
& PROFILES
(KNAPP SHORE)

DRAWING NUMBER:

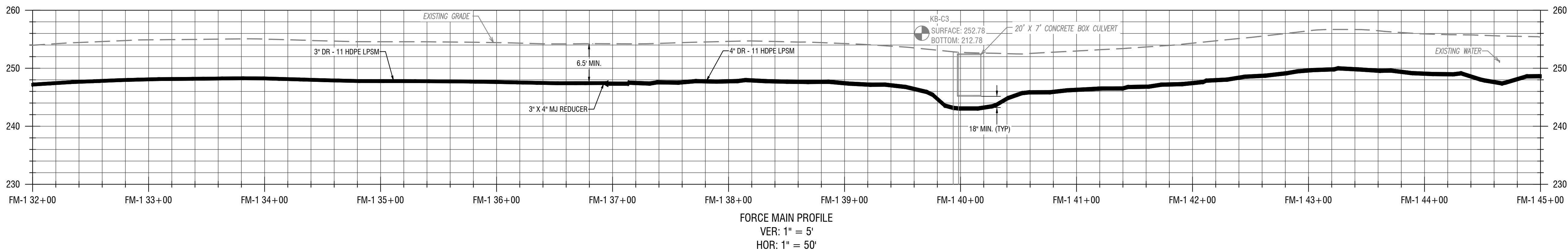
C304



1 LOW PRESSURE SEWER PLAN
C304 HORIZ. 1" = 50'



SCALE: 1" = 50'



2 LOW PRESSURE SEWER PROFILE
C304 VERT. 1" = 10'
HORIZ. 1" = 50'

- KEY NOTES
- GRINDER PUMPS WITH REMOTE VENTING
 - INSTALL ALARM PANEL (FURNISHED BY OWNER), MOUNTED TO HOUSE
 - INSTALL ALARM PANEL (FURNISHED BY OWNER), MOUNTED TO POST
 - PROVIDE ONE 1/2" PVC CONDUIT BETWEEN THE PUMP CONTROL / ALARM PANEL & THE GRINDER PUMP. INSTALL ELECTRICAL SUPPLY CABLE (ESO) PROVIDED WITH PUMP - CONNECT TO GRINDER PUMP AND CONTROL / ALARM PANEL.

NOT FOR CONSTRUCTION

EXP: 12/31/2023 EXP: ##/##/20##

CERTIFICATE OF AUTHORIZATION NUMBER:
PROFESSIONAL ENGINEERING: 095099
LAND SURVEYING: 017976
GEOLOGICAL: 018750

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TOWN OF KENDALL & TOWN OF HAMLIN

NO:	DATE:	DESCRIPTION:
Revisions		

PROJECT NUMBER: 2200455

DRAWN BY: JCB
REVIEWED BY: JRE

ISSUED FOR: 60% DESIGN SUBMISSION

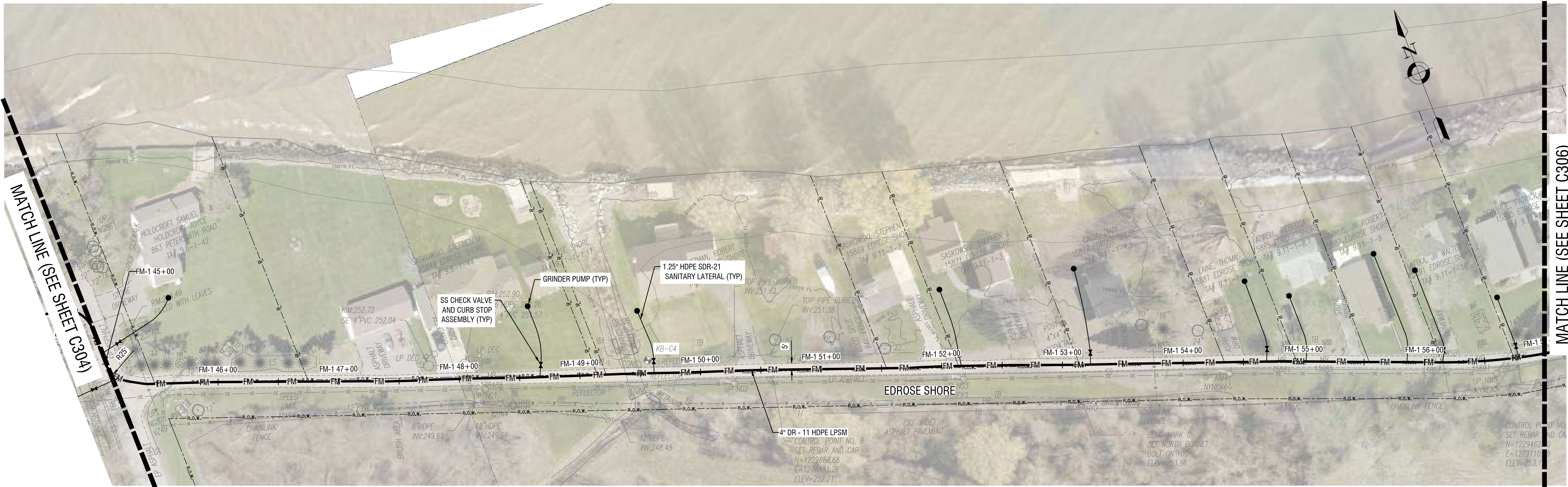
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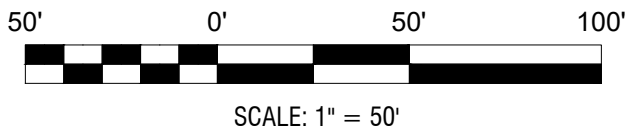
LOW PRESSURE SEWER PLAN
& PROFILES
(EDROSE SHORE)

DRAWING NUMBER:

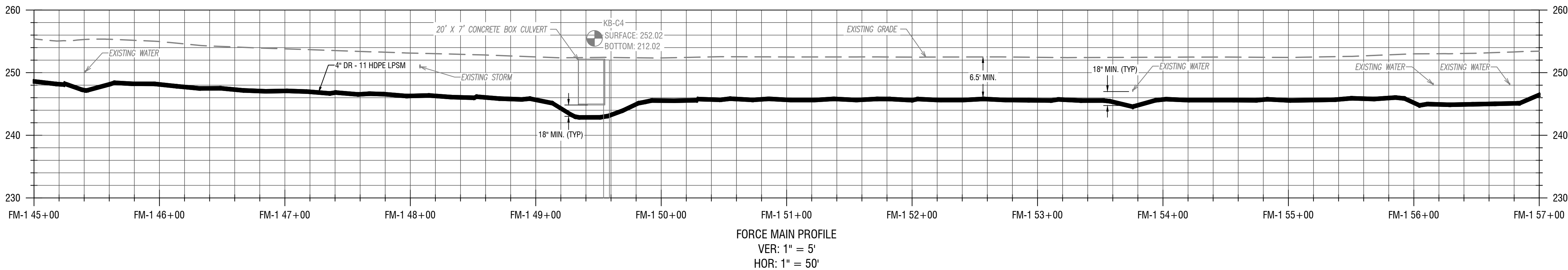
C305



1 LOW PRESSURE SEWER PLAN
C305 HORIZ: 1" = 50'



SCALE: 1" = 50'



2 LOW PRESSURE SEWER PROFILE
C305 VERT: 1" = 10'
HORIZ: 1" = 50'

- KEY NOTES
- GRINDER PUMPS WITH REMOTE VENTING
 - INSTALL ALARM PANEL (FURNISHED BY OWNER), MOUNTED TO HOUSE
 - INSTALL ALARM PANEL (FURNISHED BY OWNER), MOUNTED TO POST
 - PROVIDE ONE 3/4" PVC CONDUIT BETWEEN THE PUMP CONTROL / ALARM PANEL & THE GRINDER PUMP. INSTALL ELECTRICAL SUPPLY CABLE (ESO) PROVIDED WITH PUMP - CONNECT TO GRINDER PUMP AND CONTROL / ALARM PANEL.

NOT FOR CONSTRUCTION

EXP: 12/31/2023 EXP: ##/##/20##

CERTIFICATE OF AUTHORIZATION NUMBER:
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LAND SURVEYING: 017976
GEOLOGICAL: 018750

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REVIEWED BY: JRE

ISSUED FOR: 60% DESIGN SUBMISSION

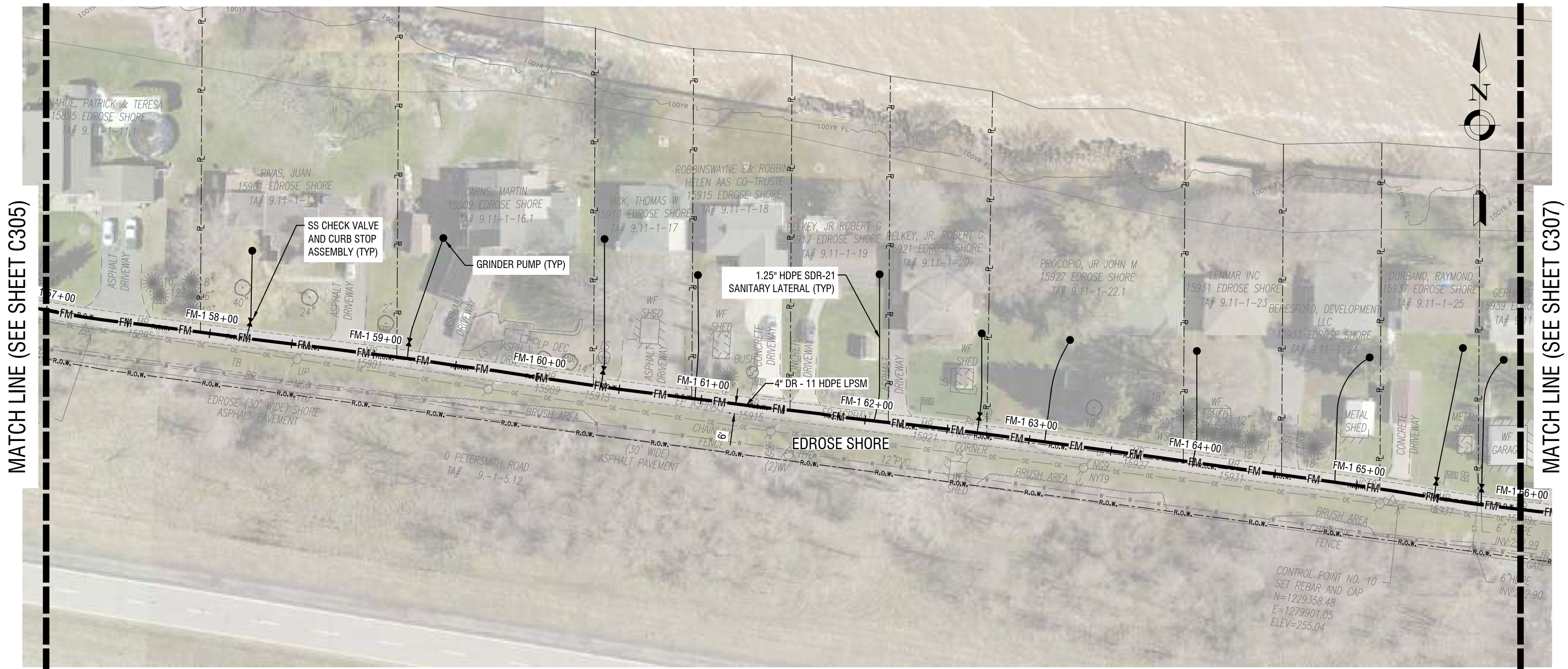
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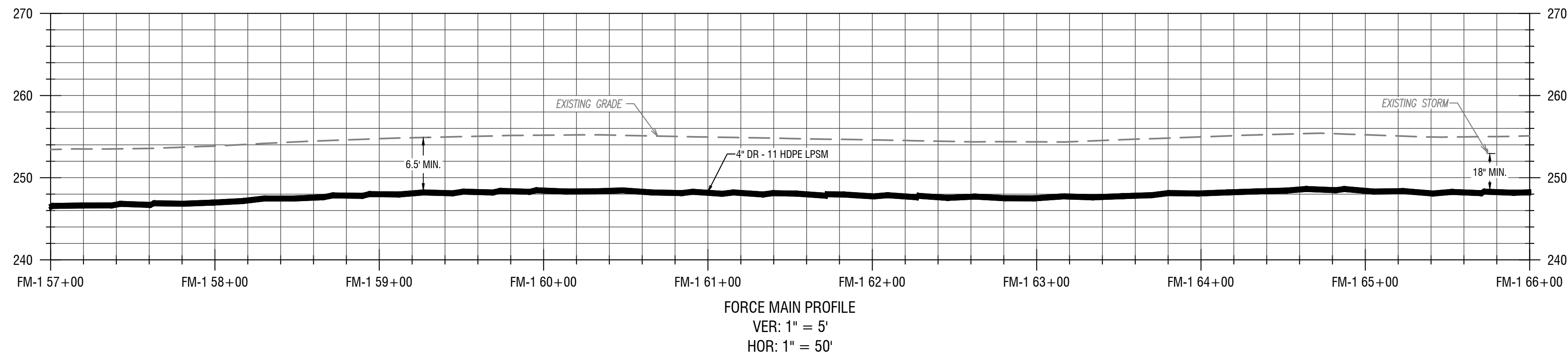
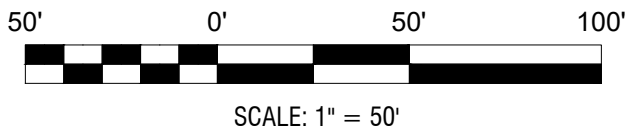
LOW PRESSURE SEWER PLAN
& PROFILES
(EDROSE SHORE)

DRAWING NUMBER:

C306



1 LOW PRESSURE SEWER PLAN
C306 HORIZ: 1" = 50'



2 LOW PRESSURE SEWER PROFILE
C306 VERT: 1" = 10', HORIZ: 1" = 50'

- KEY NOTES
- GRINDER PUMPS WITH REMOTE VENTING
 - INSTALL ALARM PANEL (FURNISHED BY OWNER), MOUNTED TO HOUSE
 - INSTALL ALARM PANEL (FURNISHED BY OWNER), MOUNTED TO POST
 - PROVIDE ONE 3/4" PVC CONDUIT BETWEEN THE PUMP CONTROL / ALARM PANEL & THE GRINDER PUMP. INSTALL ELECTRICAL SUPPLY CABLE (ESO) PROVIDED WITH PUMP - CONNECT TO GRINDER PUMP AND CONTROL / ALARM PANEL.

NOT FOR CONSTRUCTION

EXP: 12/31/2023 EXP: ##/##/20##

CERTIFICATE OF AUTHORIZATION NUMBER:
PROFESSIONAL ENGINEERING: 095099
LAND SURVEYING: 017976
GEOLOGICAL: 018750

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NO:	DATE:	DESCRIPTION:
Revisions		

PROJECT NUMBER: 2200455

DRAWN BY: JCB
REVIEWED BY: JRE

ISSUED FOR: 60% DESIGN SUBMISSION

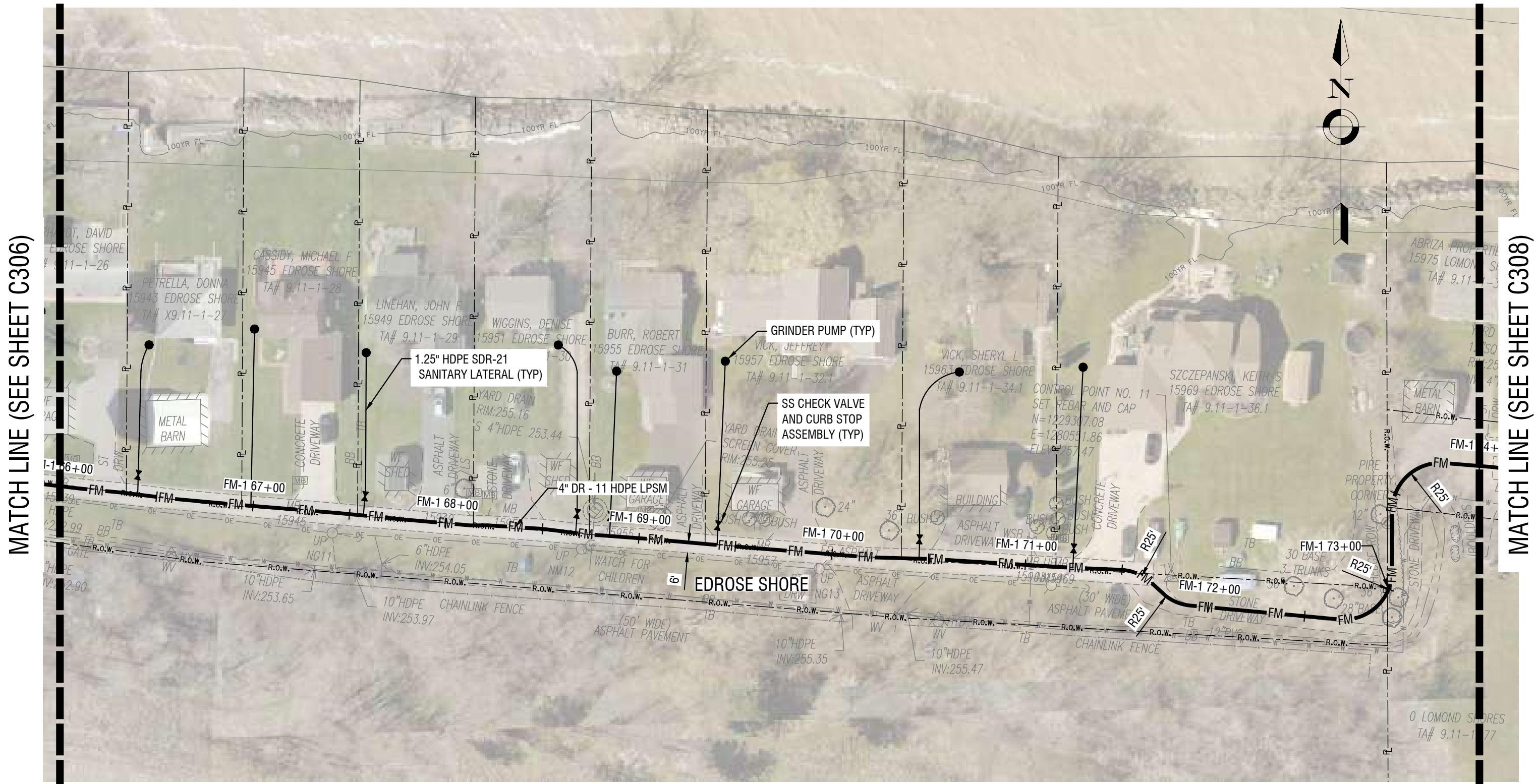
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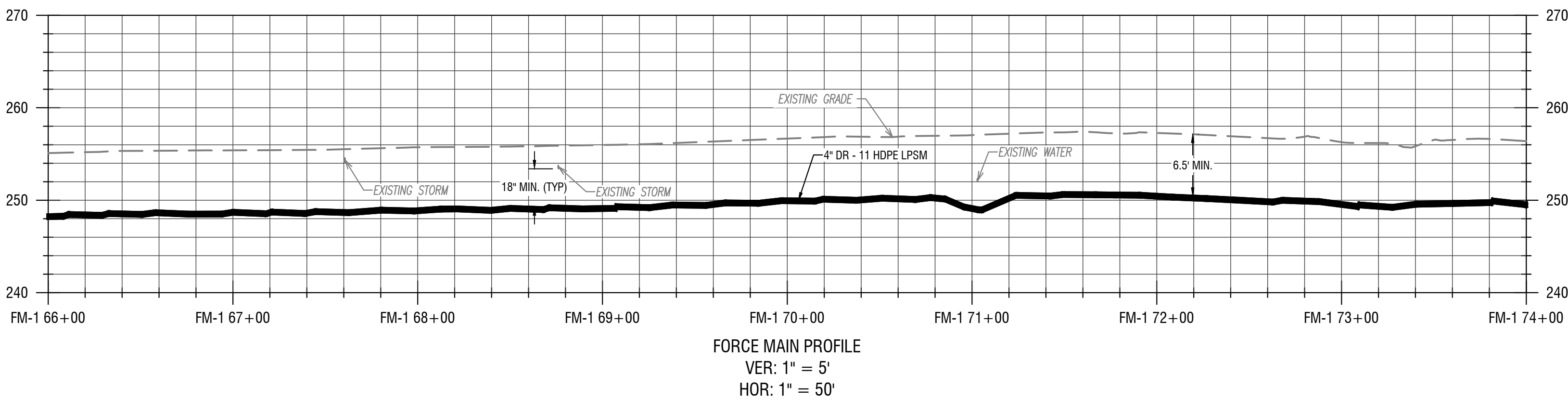
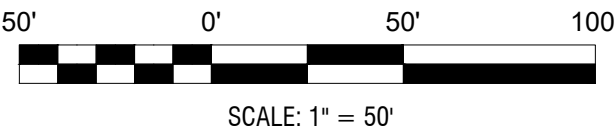
LOW PRESSURE SEWER PLAN
& PROFILES
(EDROSE SHORE)

DRAWING NUMBER:

C307



1 LOW PRESSURE SEWER PLAN
C307 HORIZ: 1" = 50'



2 LOW PRESSURE SEWER PROFILE
C307 VERT: 1" = 10'
HORIZ: 1" = 50'

- KEY NOTES
- GRINDER PUMPS WITH REMOTE VENTING
 - INSTALL ALARM PANEL (FURNISHED BY OWNER), MOUNTED TO HOUSE
 - INSTALL ALARM PANEL (FURNISHED BY OWNER), MOUNTED TO POST
 - PROVIDE ONE 3/4" PVC CONDUIT BETWEEN THE PUMP CONTROL / ALARM PANEL & THE GRINDER PUMP. INSTALL ELECTRICAL SUPPLY CABLE (ESO) PROVIDED WITH PUMP - CONNECT TO GRINDER PUMP AND CONTROL / ALARM PANEL.

NOT FOR CONSTRUCTION

EXP: 12/31/2023 EXP: ###/##/20##

CERTIFICATE OF AUTHORIZATION NUMBER:
PROFESSIONAL ENGINEERING: 095099
LAND SURVEYING: 017976
GEOLOGICAL: 018750

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TOWN OF KENDALL & TOWN OF HAMLIN

NO.	DATE:	DESCRIPTION:
Revisions		

PROJECT NUMBER: 2200455

DRAWN BY: JCB

REVIEWED BY: JRE

ISSUED FOR: 60% DESIGN SUBMISSION

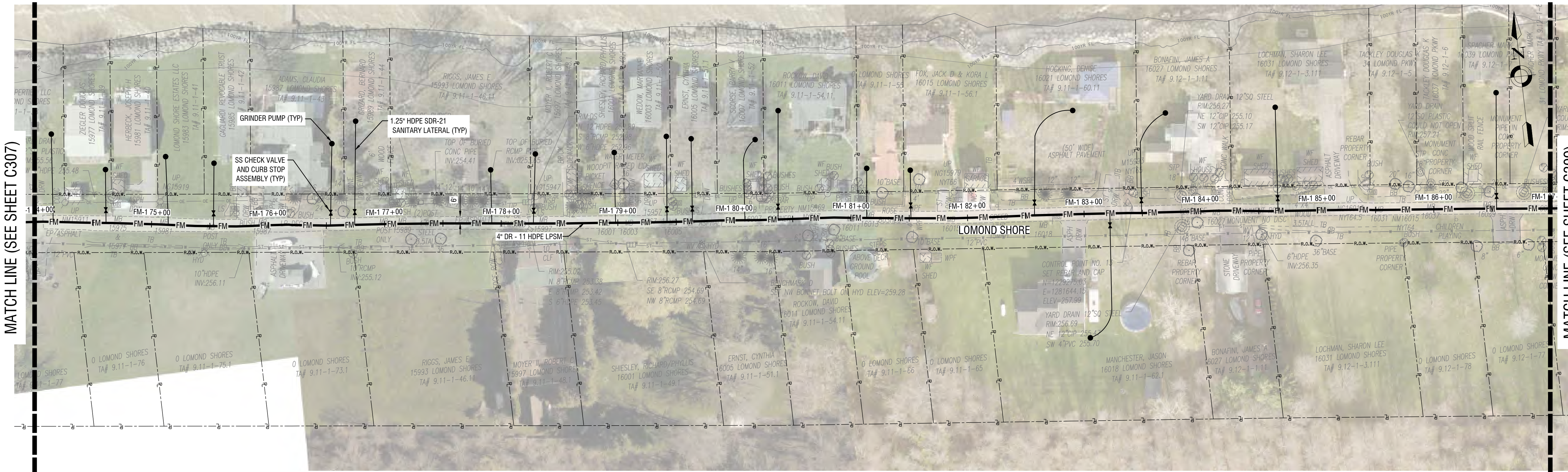
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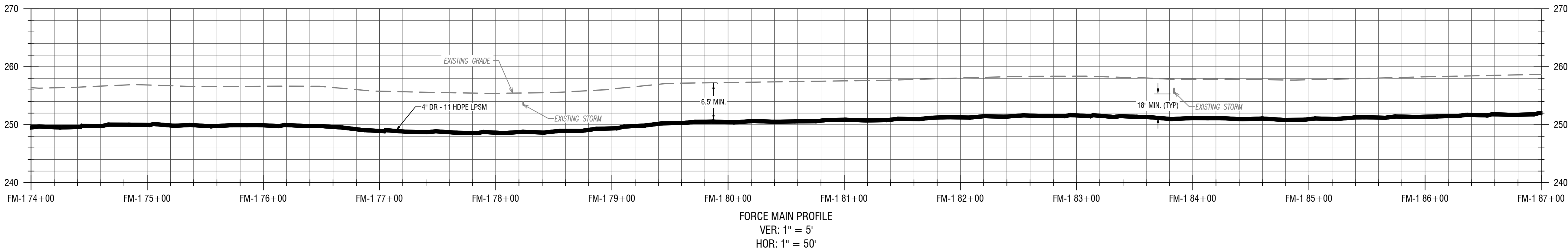
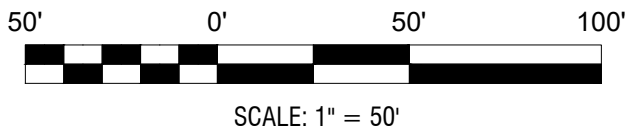
LOW PRESSURE SEWER PLAN
& PROFILES
(LOMOND SHORE)

DRAWING NUMBER:

C308



1 LOW PRESSURE SEWER PLAN
C308 HORIZ: 1" = 50'



2 LOW PRESSURE SEWER PROFILE
C308 VERT: 1" = 10'
HORIZ: 1" = 50'

- KEY NOTES
- GRINDER PUMPS WITH REMOTE VENTING
 - INSTALL ALARM PANEL (FURNISHED BY OWNER), MOUNTED TO HOUSE
 - INSTALL ALARM PANEL (FURNISHED BY OWNER), MOUNTED TO POST
 - PROVIDE ONE 3/4" PVC CONDUIT BETWEEN THE PUMP CONTROL / ALARM PANEL & THE GRINDER PUMP. INSTALL ELECTRICAL SUPPLY CABLE (ESO) PROVIDED WITH PUMP - CONNECT TO GRINDER PUMP AND CONTROL / ALARM PANEL.

NOT FOR CONSTRUCTION

EXP: 12/31/2023 EXP: ##/##/20##

CERTIFICATE OF AUTHORIZATION NUMBER:
PROFESSIONAL ENGINEERING: 095099
LAND SURVEYING: 017976
GEOLOGICAL: 018750

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"A great place to grow!"
Building community values
SINCE 1812

REDI WASTEWATER
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TOWN OF KENDALL & TOWN OF HAMLIN

NO:	DATE:	DESCRIPTION:
Revisions		

PROJECT NUMBER: 2200455

DRAWN BY: JCB
REVIEWED BY: JRE

ISSUED FOR: 60% DESIGN SUBMISSION

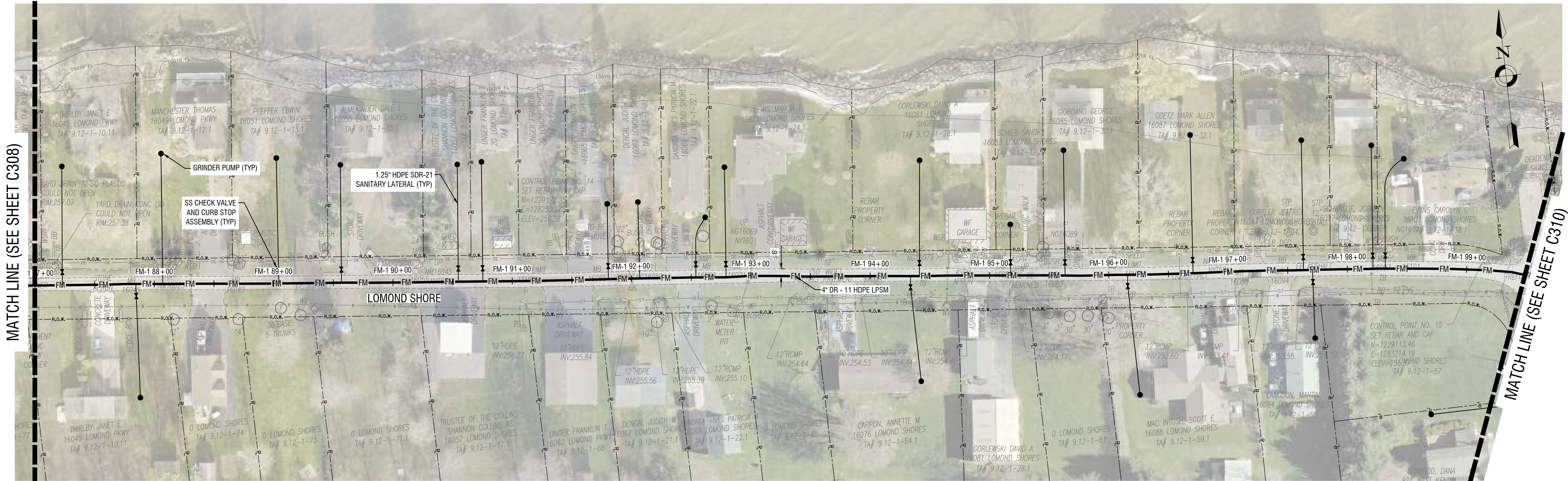
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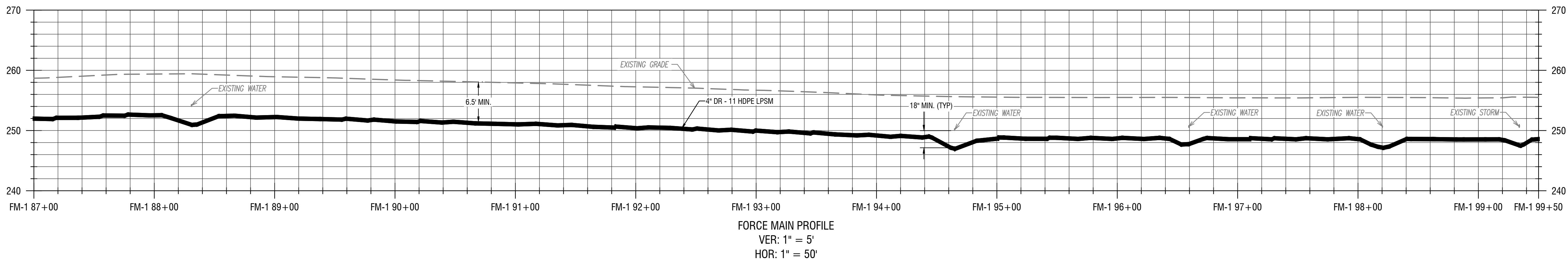
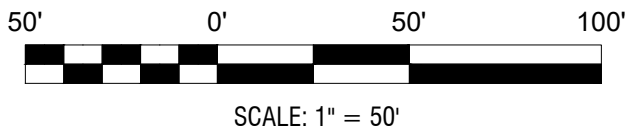
LOW PRESSURE SEWER PLAN
& PROFILES
(LOMOND SHORE)

DRAWING NUMBER:

C309



1 LOW PRESSURE SEWER PLAN
C309 HORIZ: 1" = 50'



2 LOW PRESSURE SEWER PROFILE
C309 VERT: 1" = 10'
HORIZ: 1" = 50'

- KEY NOTES
- GRINDER PUMPS WITH REMOTE VENTING
 - INSTALL ALARM PANEL (FURNISHED BY OWNER), MOUNTED TO HOUSE
 - INSTALL ALARM PANEL (FURNISHED BY OWNER), MOUNTED TO POST
 - PROVIDE ONE 3/4" PVC CONDUIT BETWEEN THE PUMP CONTROL / ALARM PANEL & THE GRINDER PUMP. INSTALL ELECTRICAL SUPPLY CABLE (ESO) PROVIDED WITH PUMP - CONNECT TO GRINDER PUMP AND CONTROL / ALARM PANEL.

NOT FOR CONSTRUCTION

EXP: 12/31/2023 EXP: ##/##/20##

CERTIFICATE OF AUTHORIZATION NUMBER:
PROFESSIONAL ENGINEERING: 095099
LAND SURVEYING: 017976
GEOLOGICAL: 018750

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INFRASTRUCTURE
(CONTRACT 1)

TOWN OF KENDALL & TOWN OF HAMLIN

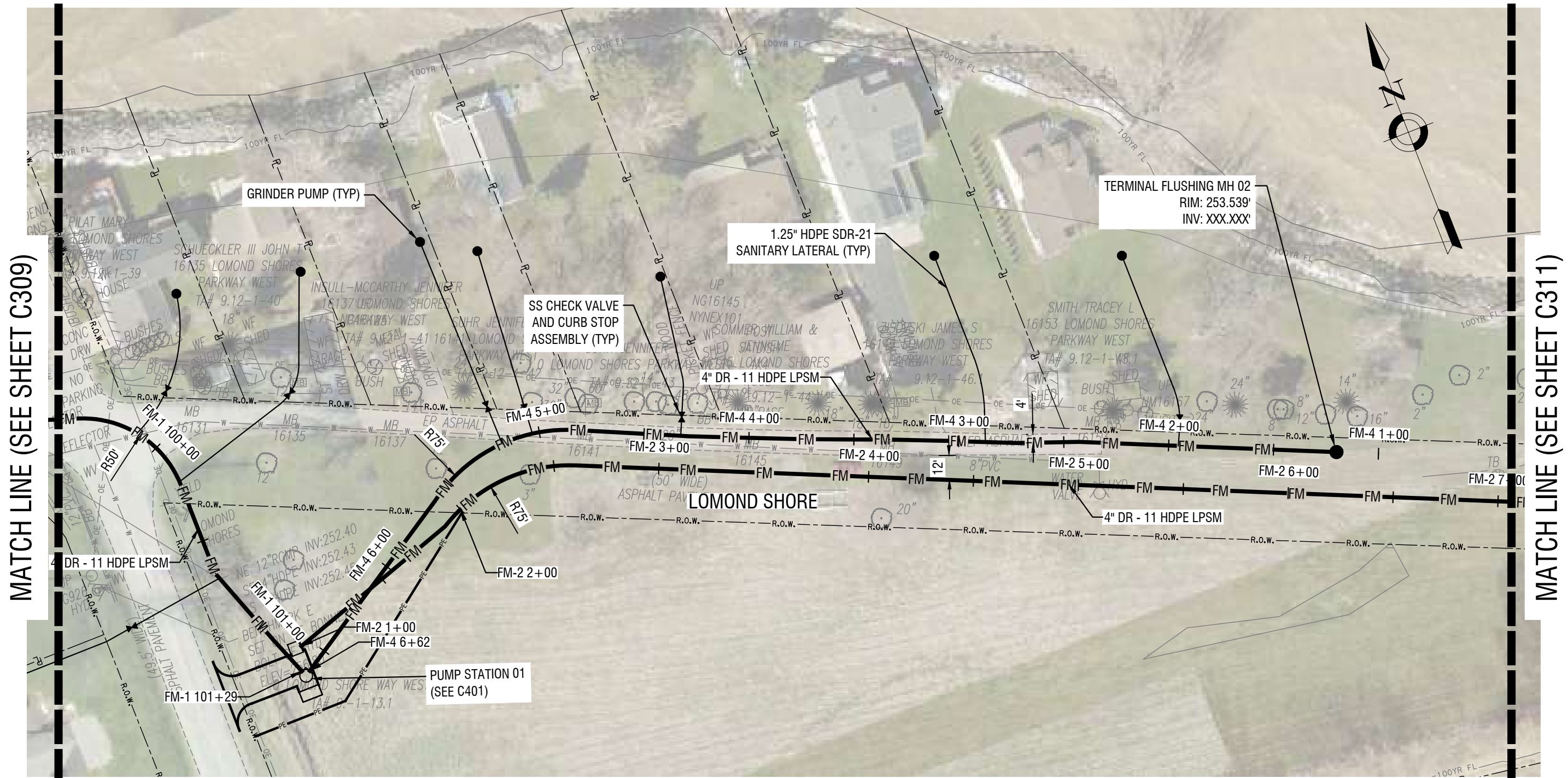
NO.	DATE:	DESCRIPTION:
Revisions		

PROJECT NUMBER:	2200455
DRAWN BY:	JCB
REVIEWED BY:	JRE
ISSUED FOR:	60% DESIGN SUBMISSION
DATE:	SEPTEMBER 2023
DRAWING NAME:	

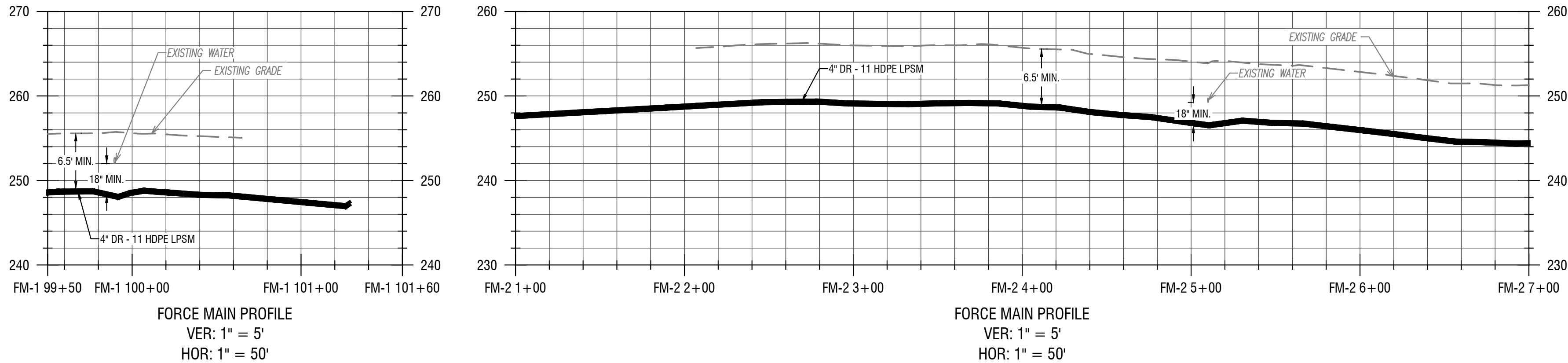
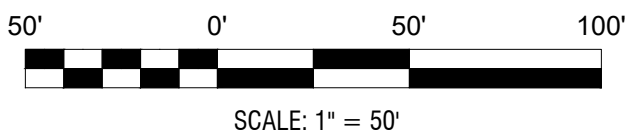
LOW PRESSURE SEWER PLAN
& PROFILES
(LOMOND SHORE)

DRAWING NUMBER:

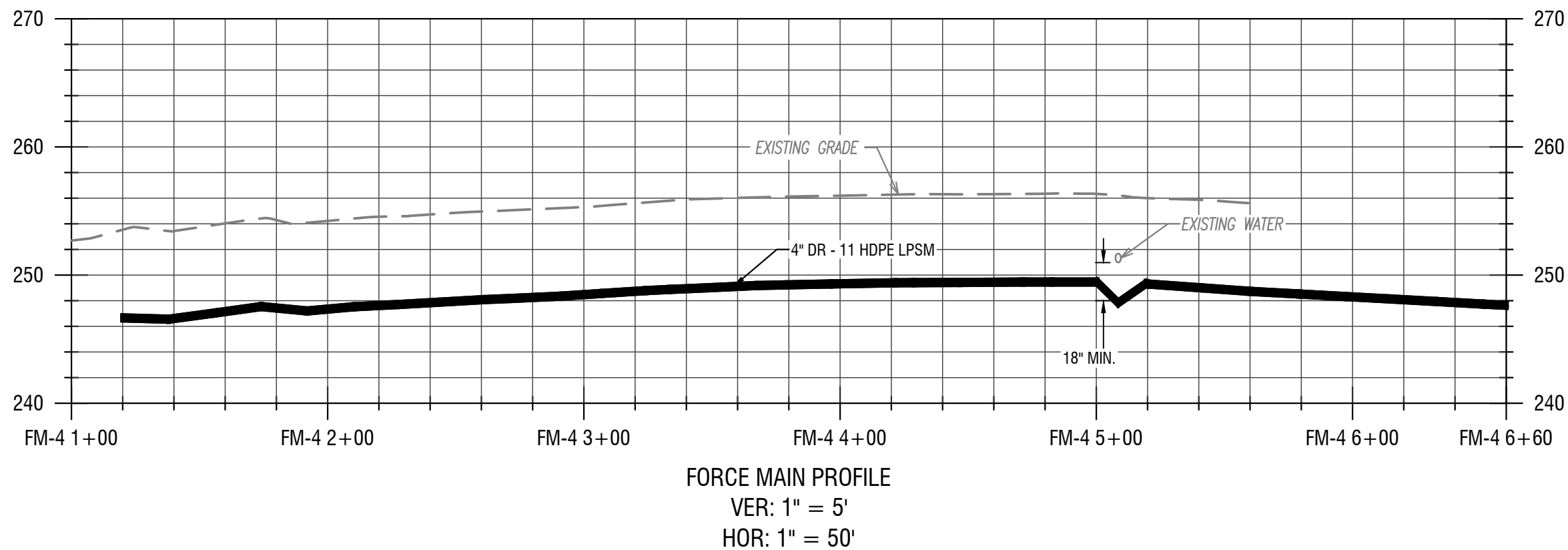
C310



1
C310
LOW PRESSURE SEWER PLAN
HORIZ: 1" = 50'



2
C310
LOW PRESSURE SEWER PROFILES
VERT: 1" = 10'
HORIZ: 1" = 50'



2
C310
LOW PRESSURE SEWER PROFILE
VERT: 1" = 10'
HORIZ: 1" = 50'

- KEY NOTES
- 1 GRINDER PUMPS WITH REMOTE VENTING
 - 2 INSTALL ALARM PANEL (FURNISHED BY OWNER), MOUNTED TO HOUSE
 - 3 INSTALL ALARM PANEL (FURNISHED BY OWNER), MOUNTED TO POST
 - 4 PROVIDE ONE 3/4" PVC CONDUIT BETWEEN THE PUMP CONTROL / ALARM PANEL & THE GRINDER PUMP. INSTALL ELECTRICAL SUPPLY CABLE (ESO) PROVIDED WITH PUMP - CONNECT TO GRINDER PUMP AND CONTROL / ALARM PANEL.

NOT FOR CONSTRUCTION

EXP: 12/31/2023 EXP: ##/##/20##

CERTIFICATE OF AUTHORIZATION NUMBER:
PROFESSIONAL ENGINEERING: 095099
LAND SURVEYING: 017976
GEOLOGICAL: 018750

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TOWN OF KENDALL & TOWN OF HAMLIN

NO:	DATE:	DESCRIPTION:
Revisions		

PROJECT NUMBER:	2200455
DRAWN BY:	JCB
REVIEWED BY:	JRE
ISSUED FOR:	60% DESIGN SUBMISSION
DATE:	SEPTEMBER 2023
DRAWING NAME:	

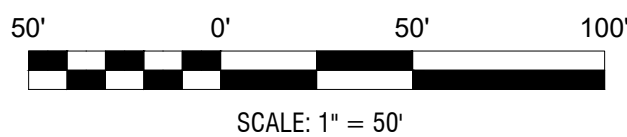
LOW PRESSURE SEWER PLAN
& PROFILES
(LAKE ONTARIO STATE PKWY)

DRAWING NUMBER:

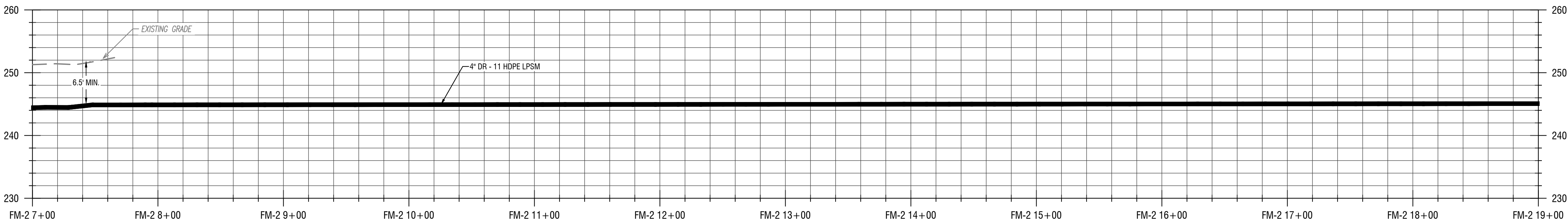
C311



1 LOW PRESSURE SEWER PLAN
C311 HORIZ: 1" = 50'



SCALE: 1" = 50'



FORCE MAIN PROFILE
VER: 1" = 5'
HOR: 1" = 50'

2 LOW PRESSURE SEWER PROFILE
C311 VERT: 1" = 5'
HORIZ: 1" = 50'

KEY NOTES

- 1 GRINDER PUMPS WITH REMOTE VENTING
- 2 INSTALL ALARM PANEL (FURNISHED BY OWNER), MOUNTED TO HOUSE
- 3 INSTALL ALARM PANEL (FURNISHED BY OWNER), MOUNTED TO POST
- 4 PROVIDE ONE 3/4" PVC CONDUIT BETWEEN THE PUMP CONTROL / ALARM PANEL & THE GRINDER PUMP. INSTALL ELECTRICAL SUPPLY CABLE (ESO) PROVIDED WITH PUMP - CONNECT TO GRINDER PUMP AND CONTROL / ALARM PANEL.

NOT FOR CONSTRUCTION

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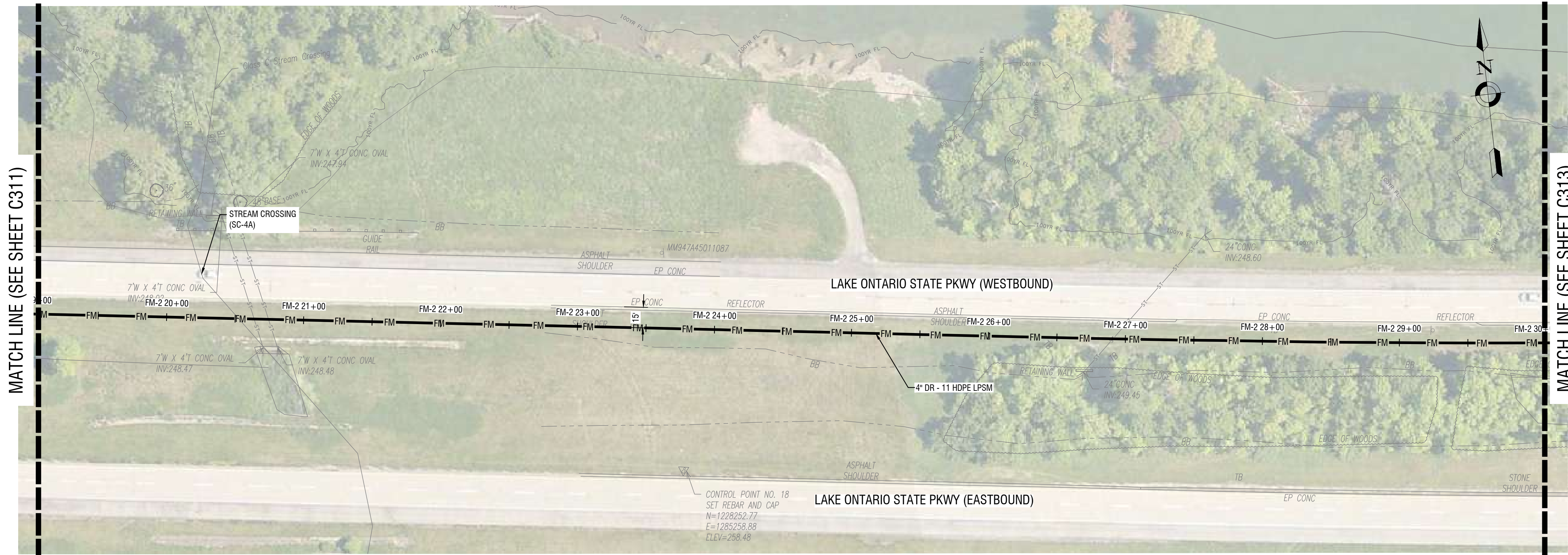
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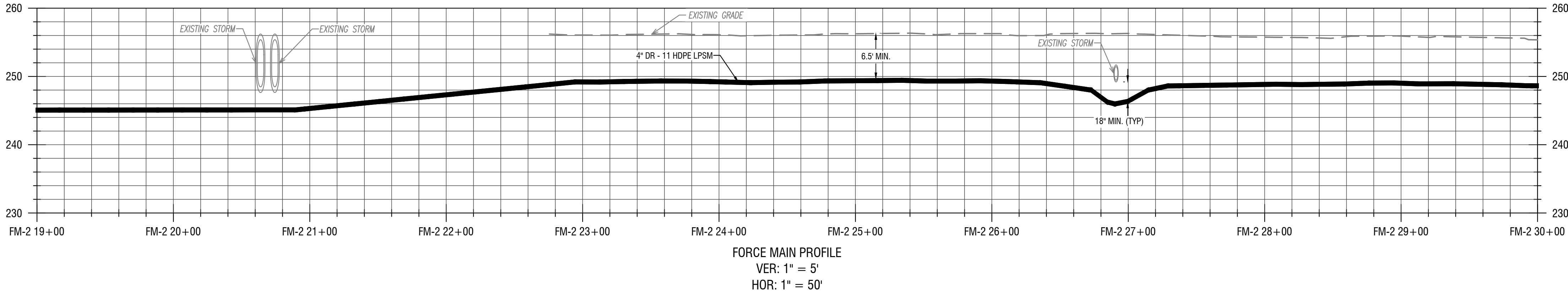
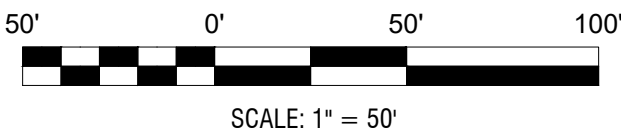
LOW PRESSURE SEWER PLAN
& PROFILES
(LAKE ONTARIO STATE PKWY)

DRAWING NUMBER:

C312



1 LOW PRESSURE SEWER PLAN
C312 HORIZ: 1" = 50'



2 LOW PRESSURE SEWER PROFILE
C312 VERT: 1" = 5'
HORIZ: 1" = 50'

- KEY NOTES
- GRINDER PUMPS WITH REMOTE VENTING
 - INSTALL ALARM PANEL (FURNISHED BY OWNER), MOUNTED TO HOUSE
 - INSTALL ALARM PANEL (FURNISHED BY OWNER), MOUNTED TO POST
 - PROVIDE ONE $\frac{3}{4}$ " PVC CONDUIT BETWEEN THE PUMP CONTROL / ALARM PANEL & THE GRINDER PUMP. INSTALL ELECTRICAL SUPPLY CABLE (ESO) PROVIDED WITH PUMP - CONNECT TO GRINDER PUMP AND CONTROL / ALARM PANEL.

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EXP: 12/31/2023 EXP: ##/##/20##

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GEOLOGICAL: 018750

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REDI WASTEWATER
INFRASTRUCTURE
(CONTRACT 1)

TOWN OF KENDALL & TOWN OF HAMLIN

NO.	DATE:	DESCRIPTION:
Revisions		

PROJECT NUMBER: 2200455

DRAWN BY: JCB
REVIEWED BY: JRE

ISSUED FOR: 60% DESIGN SUBMISSION

DATE: SEPTEMBER 2023

DRAWING NAME:

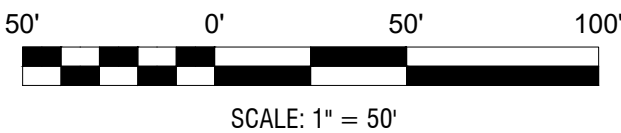
LOW PRESSURE SEWER PLAN
& PROFILES
(LAKE ONTARIO STATE PKWY)

DRAWING NUMBER:

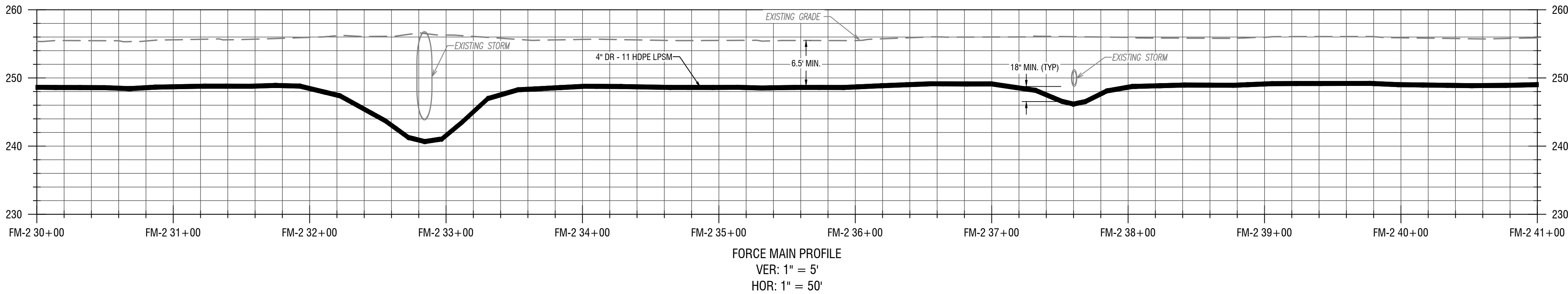
C313



1 LOW PRESSURE SEWER PLAN
C313 HORIZ: 1" = 50'



SCALE: 1" = 50'



2 LOW PRESSURE SEWER PROFILE
C313 VERT: 1" = 5'
HORIZ: 1" = 50'

KEY NOTES

- GRINDER PUMPS WITH REMOTE VENTING
- INSTALL ALARM PANEL (FURNISHED BY OWNER), MOUNTED TO HOUSE
- INSTALL ALARM PANEL (FURNISHED BY OWNER), MOUNTED TO POST
- PROVIDE ONE 3/4" PVC CONDUIT BETWEEN THE PUMP CONTROL / ALARM PANEL & THE GRINDER PUMP. INSTALL ELECTRICAL SUPPLY CABLE (ESO) PROVIDED WITH PUMP - CONNECT TO GRINDER PUMP AND CONTROL / ALARM PANEL.

NOT FOR CONSTRUCTION

EXP: 12/31/2023 EXP: ##/##/20##

CERTIFICATE OF AUTHORIZATION NUMBER:
PROFESSIONAL ENGINEERING: 095099
LAND SURVEYING: 017976
GEOLOGICAL: 018750

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REDI WASTEWATER
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(CONTRACT 1)

TOWN OF KENDALL & TOWN OF HAMLIN

NO:	DATE:	DESCRIPTION:
Revisions		

PROJECT NUMBER: 2200455

DRAWN BY: JCB
REVIEWED BY: JRE

ISSUED FOR: 60% DESIGN SUBMISSION

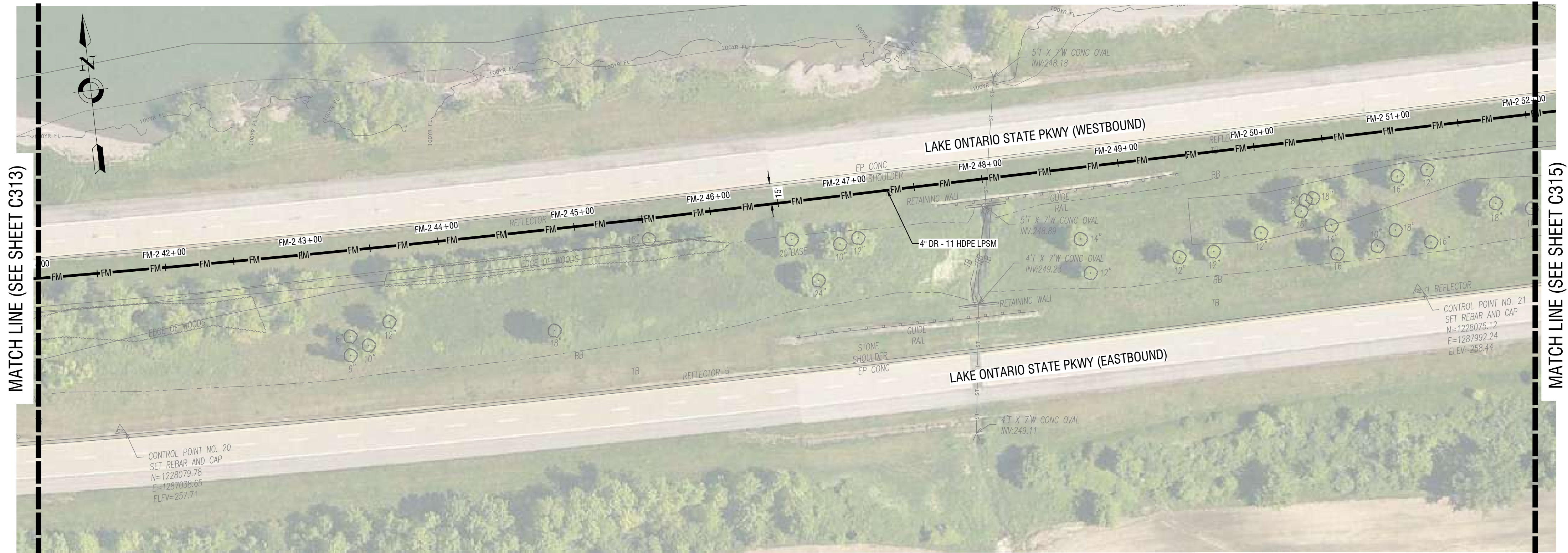
DATE: SEPTEMBER 2023

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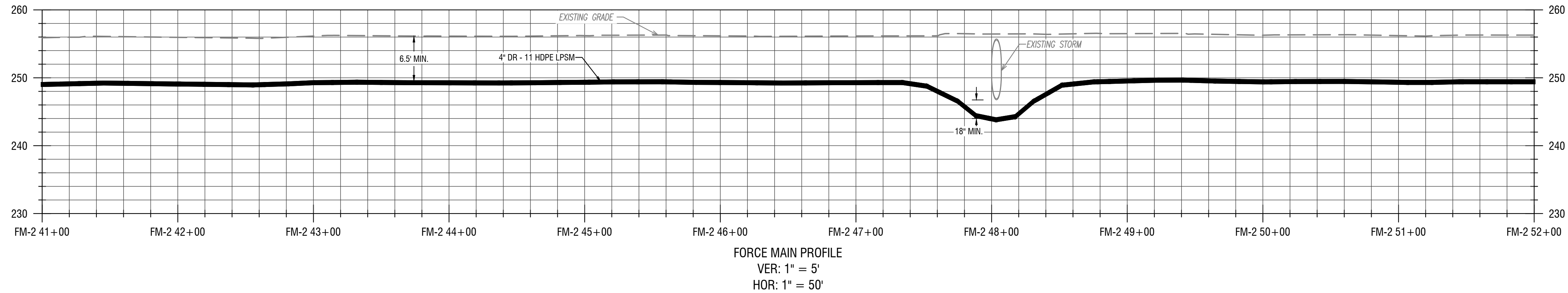
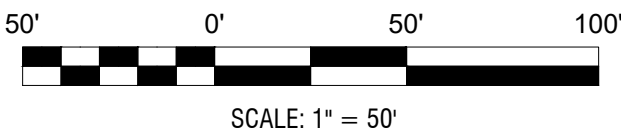
LOW PRESSURE SEWER PLAN
& PROFILES
(LAKE ONTARIO STATE PKWY)

DRAWING NUMBER:

C314

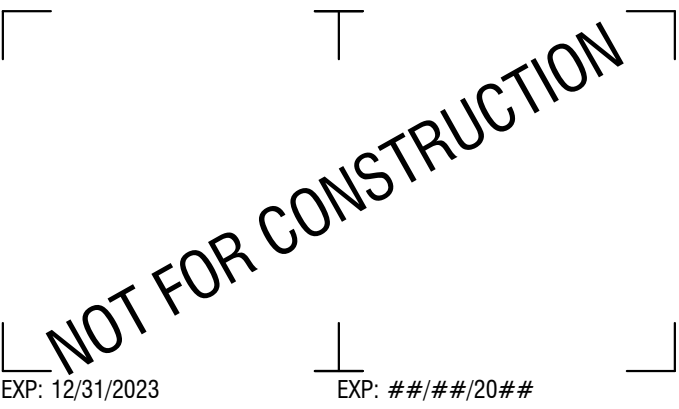


1 LOW PRESSURE SEWER PLAN
C314 HORIZ: 1" = 50'



2 LOW PRESSURE SEWER PROFILE
C314 VERT: 1" = 5'
HORIZ: 1" = 50'

- KEY NOTES
- GRINDER PUMPS WITH REMOTE VENTING
 - INSTALL ALARM PANEL (FURNISHED BY OWNER), MOUNTED TO HOUSE
 - INSTALL ALARM PANEL (FURNISHED BY OWNER), MOUNTED TO POST
 - PROVIDE ONE 3/4" PVC CONDUIT BETWEEN THE PUMP CONTROL / ALARM PANEL & THE GRINDER PUMP. INSTALL ELECTRICAL SUPPLY CABLE (ESO) PROVIDED WITH PUMP - CONNECT TO GRINDER PUMP AND CONTROL / ALARM PANEL.



CERTIFICATE OF AUTHORIZATION NUMBER:
PROFESSIONAL ENGINEERING: 095099
LAND SURVEYING: 017976
GEOLOGICAL: 018750

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TOWN OF KENDALL & TOWN OF HAMLIN

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PROJECT NUMBER: 2200455

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ISSUED FOR: 60% DESIGN SUBMISSION

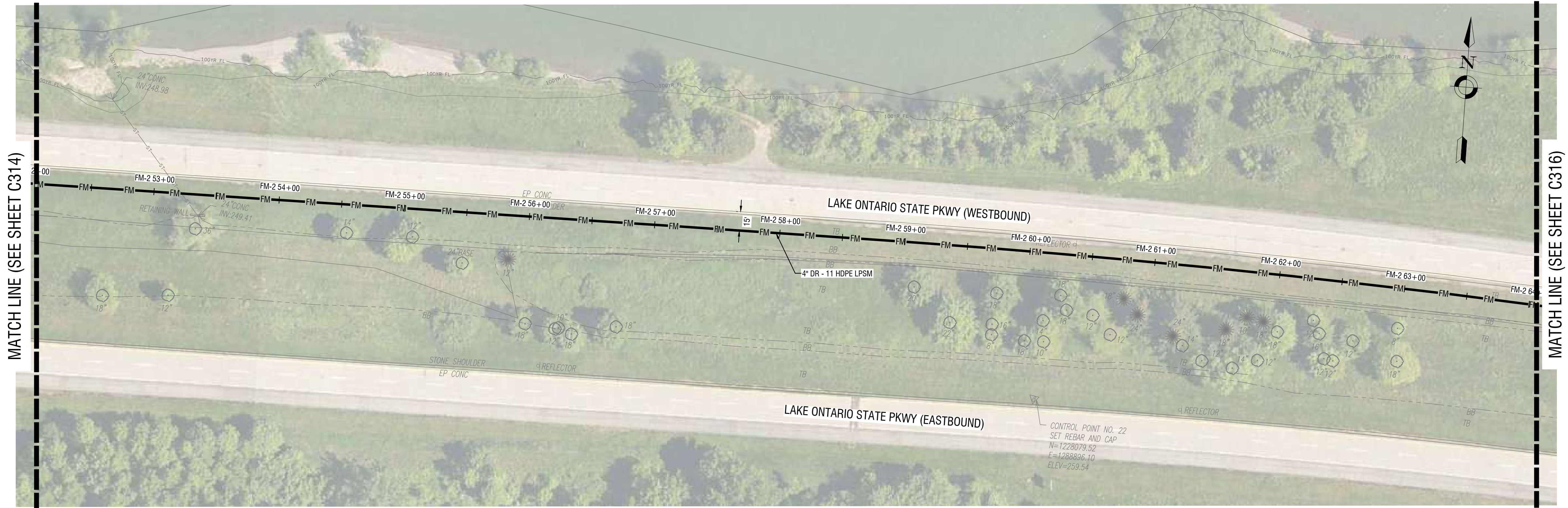
DATE: SEPTEMBER 2023

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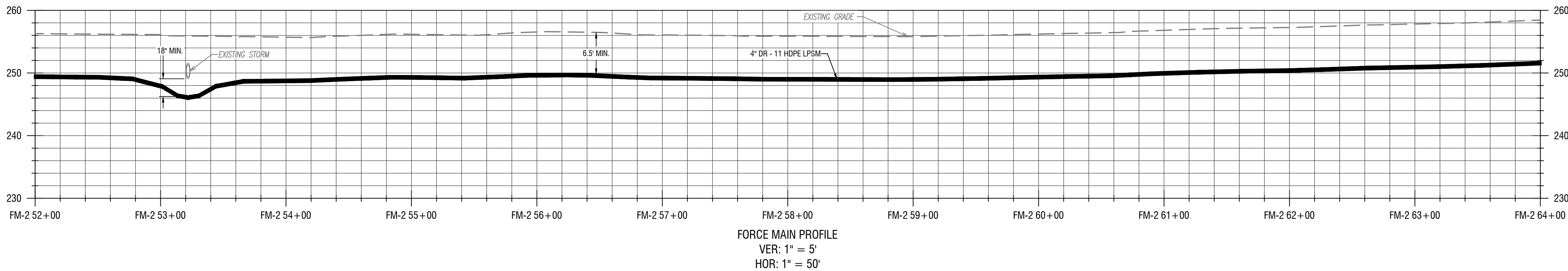
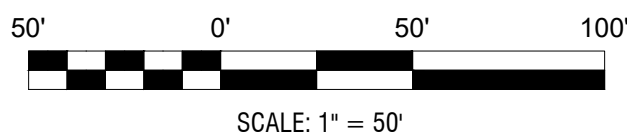
**LOW PRESSURE SEWER PLAN
& PROFILES
(LAKE ONTARIO STATE PKWY)**

DRAWING NUMBER:

C315



1
C315
LOW PRESSURE SEWER PLAN
HORIZ: 1" = 50'



2
C315
LOW PRESSURE SEWER PROFILE
VERT: 1" = 5'
HORIZ: 1" = 50'

- KEY NOTES
- 1 GRINDER PUMPS WITH REMOTE VENTING
 - 2 INSTALL ALARM PANEL (FURNISHED BY OWNER), MOUNTED TO HOUSE
 - 3 INSTALL ALARM PANEL (FURNISHED BY OWNER), MOUNTED TO POST
 - 4 PROVIDE ONE 3/4" PVC CONDUIT BETWEEN THE PUMP CONTROL / ALARM PANEL & THE GRINDER PUMP. INSTALL ELECTRICAL SUPPLY CABLE (ESO) PROVIDED WITH PUMP - CONNECT TO GRINDER PUMP AND CONTROL / ALARM PANEL.

NOT FOR CONSTRUCTION

EXP: 12/31/2023 EXP: ##/##/20##

CERTIFICATE OF AUTHORIZATION NUMBER:
PROFESSIONAL ENGINEERING: 095099
LAND SURVEYING: 017976
GEOLOGICAL: 018750

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PROJECT NUMBER: 2200455

DRAWN BY: JCB

REVIEWED BY: JRE

ISSUED FOR: 60% DESIGN SUBMISSION

DATE: SEPTEMBER 2023

DRAWING NAME:

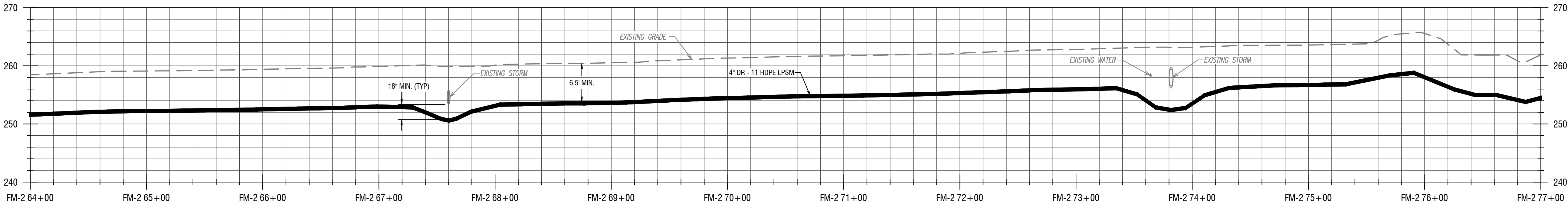
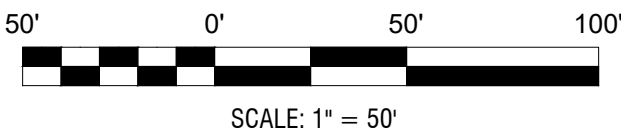
**LOW PRESSURE SEWER PLAN
& PROFILES
(LAKE ONTARIO STATE PKWY)**

DRAWING NUMBER:

C316



1
C316
LOW PRESSURE SEWER PLAN
HORIZ: 1" = 50'



FORCE MAIN PROFILE
VER: 1" = 5'
HOR: 1" = 50'

2
C316
LOW PRESSURE SEWER PROFILE
VERT: 1" = 5'
HORIZ: 1" = 50'

- KEY NOTES**
- GRINDER PUMPS WITH REMOTE VENTING
 - INSTALL ALARM PANEL (FURNISHED BY OWNER), MOUNTED TO HOUSE
 - INSTALL ALARM PANEL (FURNISHED BY OWNER), MOUNTED TO POST
 - PROVIDE ONE 3/4" PVC CONDUIT BETWEEN THE PUMP CONTROL / ALARM PANEL & THE GRINDER PUMP. INSTALL ELECTRICAL SUPPLY CABLE (ESO) PROVIDED WITH PUMP - CONNECT TO GRINDER PUMP AND CONTROL / ALARM PANEL.

NOT FOR CONSTRUCTION

EXP: 12/31/2023 EXP: ####/20##

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ISSUED FOR: 60% DESIGN SUBMISSION

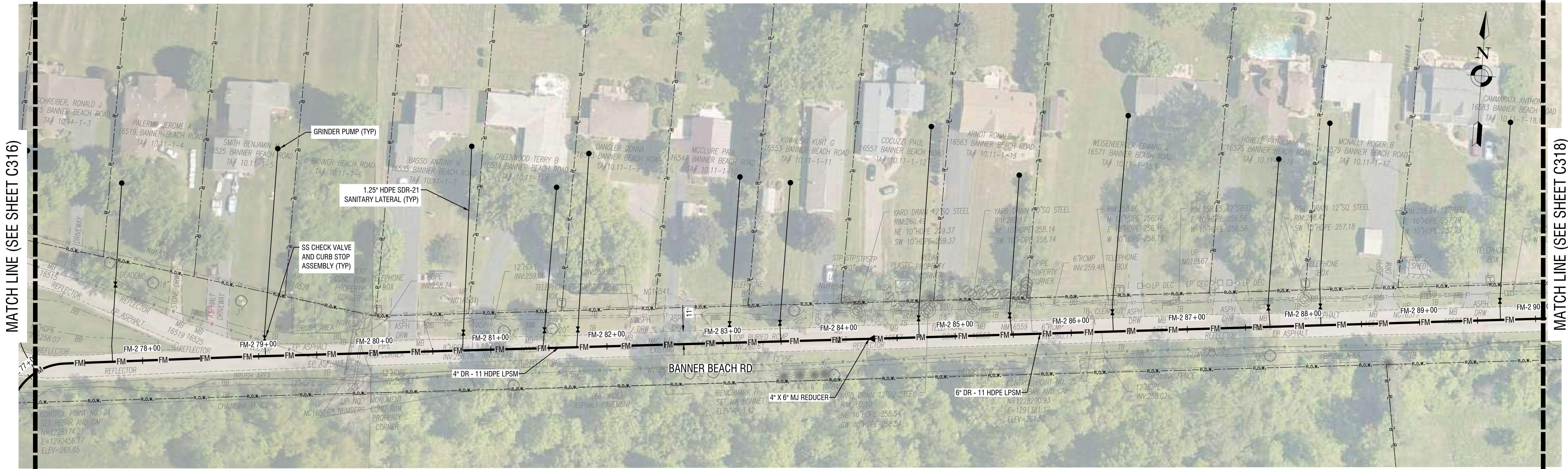
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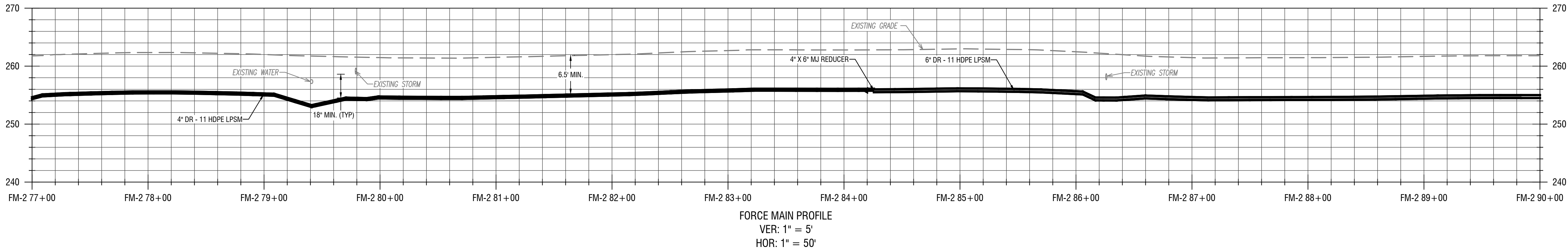
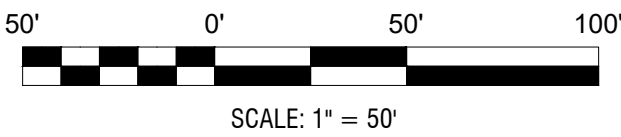
LOW PRESSURE SEWER PLAN
& PROFILES
(BANNER BEACH RD)

DRAWING NUMBER:

C317



1 LOW PRESSURE SEWER PLAN
C317 HORIZ: 1" = 50'



2 LOW PRESSURE SEWER PROFILE
C317 VERT: 1" = 5'
HORIZ: 1" = 50'

- KEY NOTES
- GRINDER PUMPS WITH REMOTE VENTING
 - INSTALL ALARM PANEL (FURNISHED BY OWNER), MOUNTED TO HOUSE
 - INSTALL ALARM PANEL (FURNISHED BY OWNER), MOUNTED TO POST
 - PROVIDE ONE 3/4" PVC CONDUIT BETWEEN THE PUMP CONTROL / ALARM PANEL & THE GRINDER PUMP. INSTALL ELECTRICAL SUPPLY CABLE (ESO) PROVIDED WITH PUMP - CONNECT TO GRINDER PUMP AND CONTROL / ALARM PANEL.

NOT FOR CONSTRUCTION

EXP: 12/31/2023 EXP: ##/##/20##

CERTIFICATE OF AUTHORIZATION NUMBER:
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LAND SURVEYING: 017976
GEOLOGICAL: 018750

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Revisions		

PROJECT NUMBER: 2200455

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REVIEWED BY: JRE

ISSUED FOR: 60% DESIGN SUBMISSION

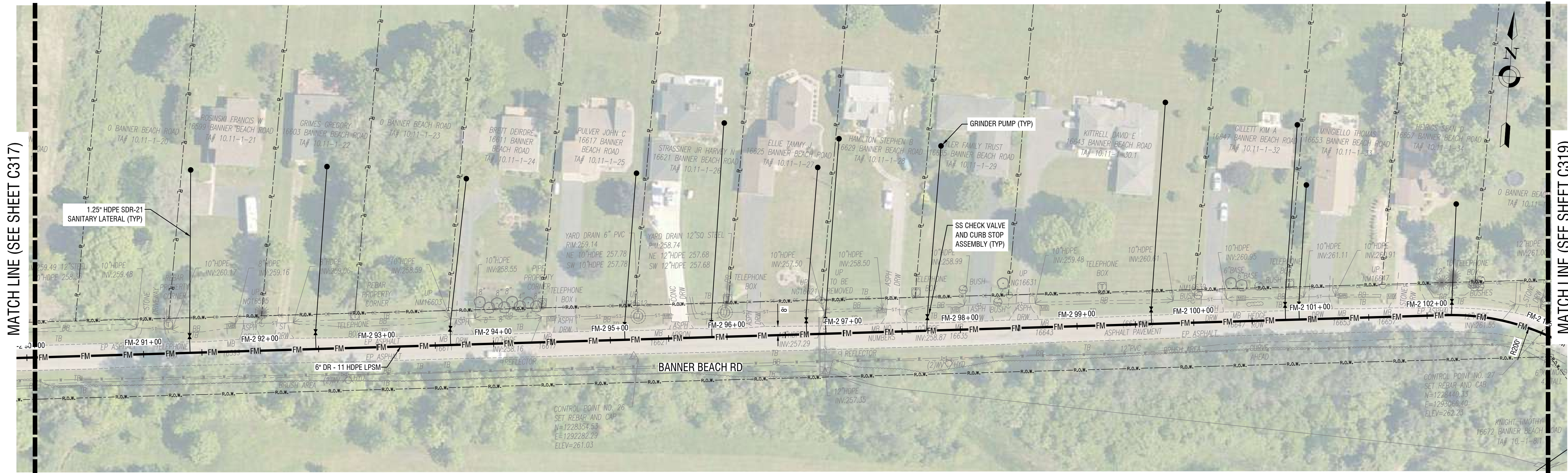
DATE: SEPTEMBER 2023

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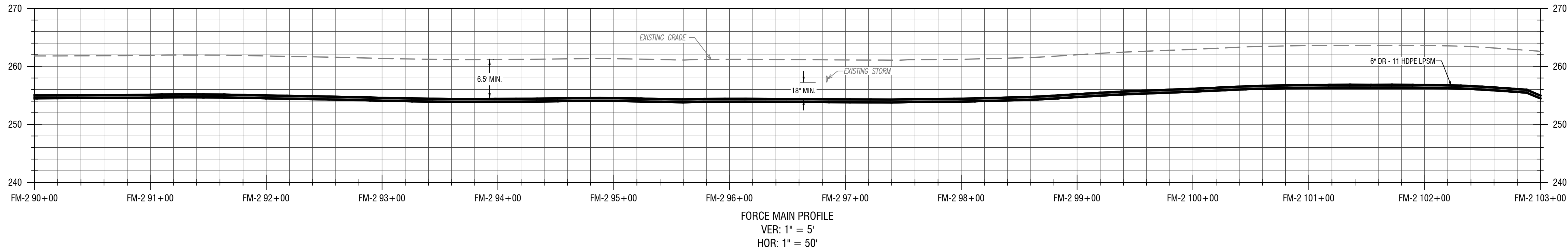
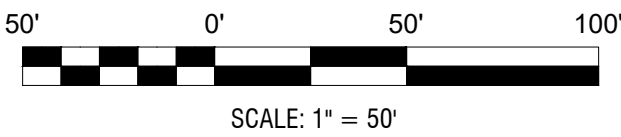
LOW PRESSURE SEWER PLAN
& PROFILES
(BANNER BEACH RD)

DRAWING NUMBER:

C318



1 LOW PRESSURE SEWER PLAN
C318 HORIZ: 1" = 50'



2 LOW PRESSURE SEWER PROFILE
C318 VERT: 1" = 5'
HORIZ: 1" = 50'

- KEY NOTES
- GRINDER PUMPS WITH REMOTE VENTING
 - INSTALL ALARM PANEL (FURNISHED BY OWNER), MOUNTED TO HOUSE
 - INSTALL ALARM PANEL (FURNISHED BY OWNER), MOUNTED TO POST
 - PROVIDE ONE 3/4" PVC CONDUIT BETWEEN THE PUMP CONTROL / ALARM PANEL & THE GRINDER PUMP. INSTALL ELECTRICAL SUPPLY CABLE (ESO) PROVIDED WITH PUMP - CONNECT TO GRINDER PUMP AND CONTROL / ALARM PANEL.



REDI WASTEWATER
INFRASTRUCTURE
(CONTRACT 1)

TOWN OF KENDALL & TOWN OF HAMLIN

NO:	DATE:	DESCRIPTION:
Revisions		

PROJECT NUMBER: 2200455

DRAWN BY: JCB

REVIEWED BY: JRE

ISSUED FOR: 60% DESIGN SUBMISSION

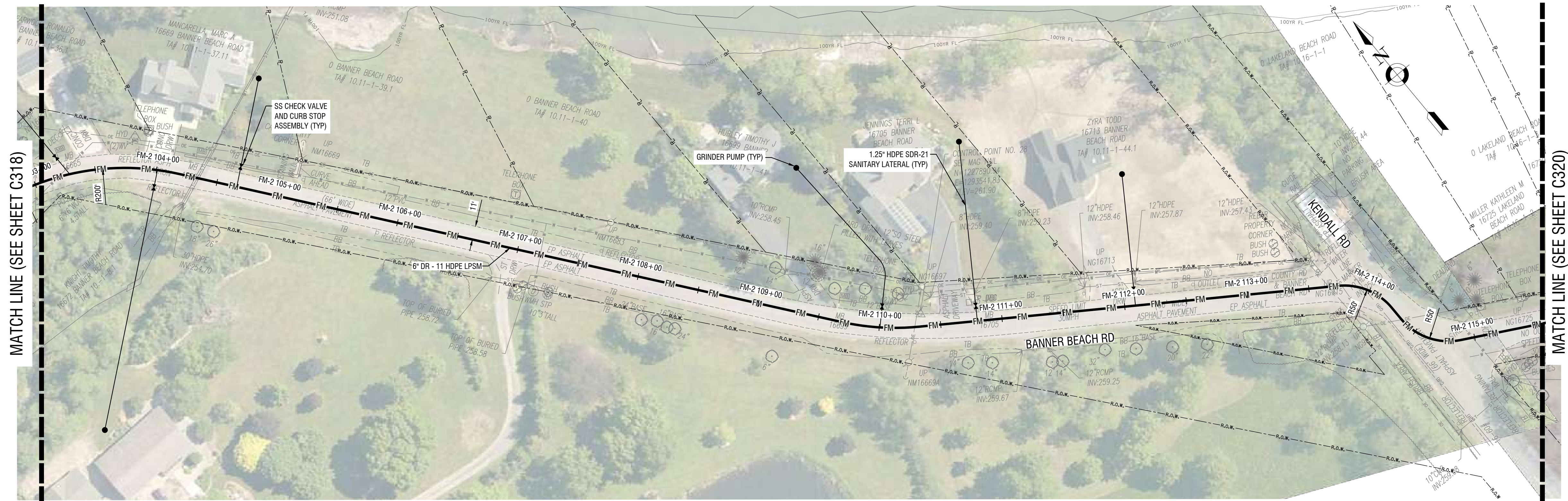
DATE: SEPTEMBER 2023

DRAWING NAME:

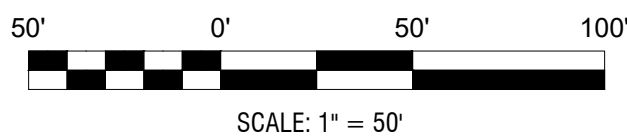
LOW PRESSURE SEWER PLAN
& PROFILES
(BANNER BEACH RD)

DRAWING NUMBER:

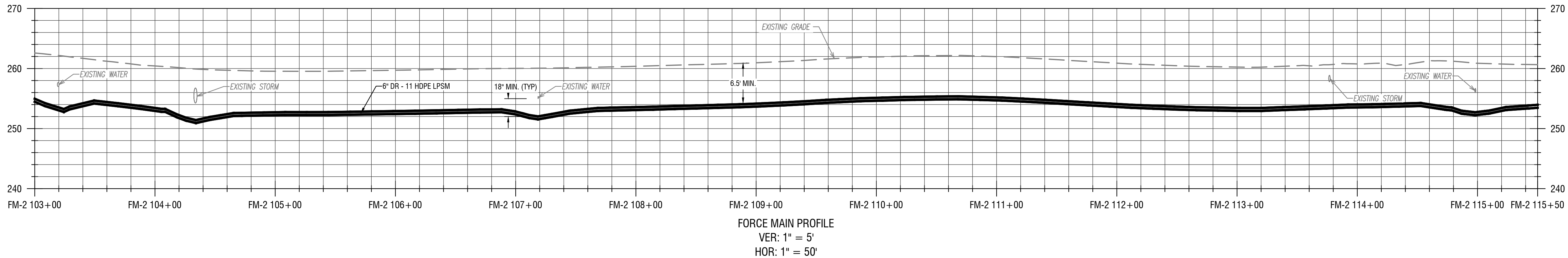
C319



1 LOW PRESSURE SEWER PLAN
C319 HORIZ: 1" = 50'



SCALE: 1" = 50'



2 LOW PRESSURE SEWER PROFILE
C319 VERT: 1" = 5'
HORIZ: 1" = 50'

- KEY NOTES
- GRINDER PUMPS WITH REMOTE VENTING
 - INSTALL ALARM PANEL (FURNISHED BY OWNER), MOUNTED TO HOUSE
 - INSTALL ALARM PANEL (FURNISHED BY OWNER), MOUNTED TO POST
 - PROVIDE ONE 3/4" PVC CONDUIT BETWEEN THE PUMP CONTROL / ALARM PANEL & THE GRINDER PUMP. INSTALL ELECTRICAL SUPPLY CABLE (ESO) PROVIDED WITH PUMP - CONNECT TO GRINDER PUMP AND CONTROL / ALARM PANEL.

NOT FOR CONSTRUCTION

EXP: 12/31/2023 EXP: ####/20##

CERTIFICATE OF AUTHORIZATION NUMBER:
PROFESSIONAL ENGINEERING: 095099
LAND SURVEYING: 017976
GEOLOGICAL: 018750

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(CONTRACT 1)

TOWN OF KENDALL & TOWN OF HAMLIN

NO:	DATE:	DESCRIPTION:
Revisions		

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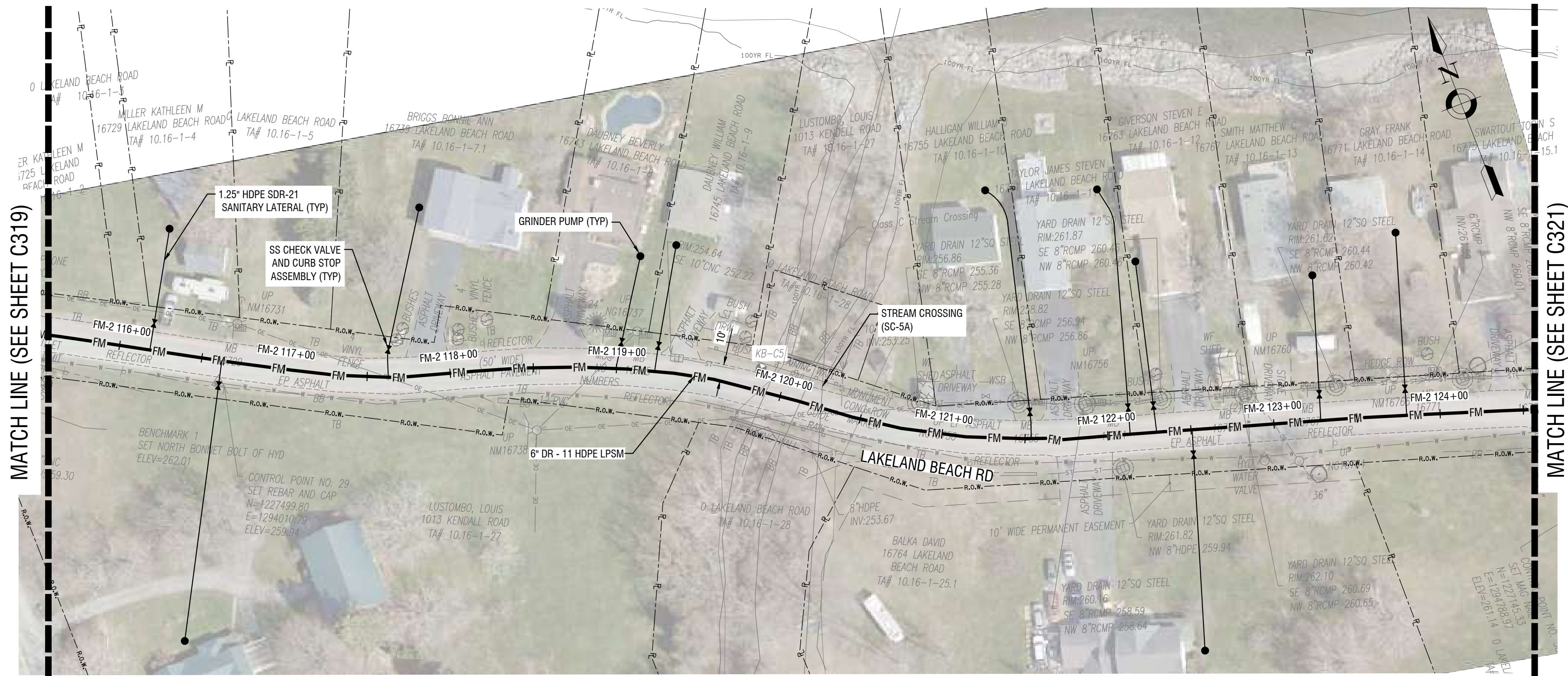
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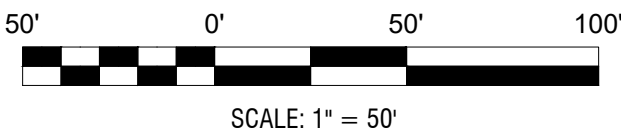
LOW PRESSURE SEWER PLAN
& PROFILES
(LAKELAND BEACH RD)

DRAWING NUMBER:

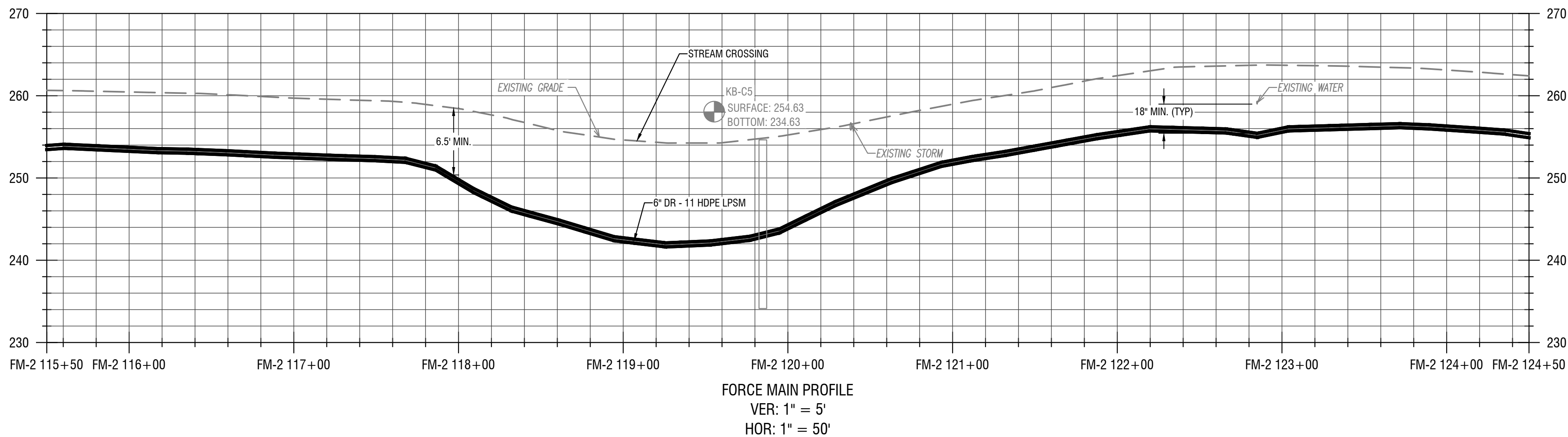
C320



1 LOW PRESSURE SEWER PLAN
C320 HORIZ: 1" = 50'



SCALE: 1" = 50'



2 LOW PRESSURE SEWER PROFILE
C320 VERT: 1" = 5'
HORIZ: 1" = 50'

- KEY NOTES
- GRINDER PUMPS WITH REMOTE VENTING
 - INSTALL ALARM PANEL (FURNISHED BY OWNER), MOUNTED TO HOUSE
 - INSTALL ALARM PANEL (FURNISHED BY OWNER), MOUNTED TO POST
 - PROVIDE ONE 3/4" PVC CONDUIT BETWEEN THE PUMP CONTROL / ALARM PANEL & THE GRINDER PUMP. INSTALL ELECTRICAL SUPPLY CABLE (ESO) PROVIDED WITH PUMP - CONNECT TO GRINDER PUMP AND CONTROL / ALARM PANEL.

NOT FOR CONSTRUCTION

EXP: 12/31/2023 EXP: ##/##/20##

CERTIFICATE OF AUTHORIZATION NUMBER:
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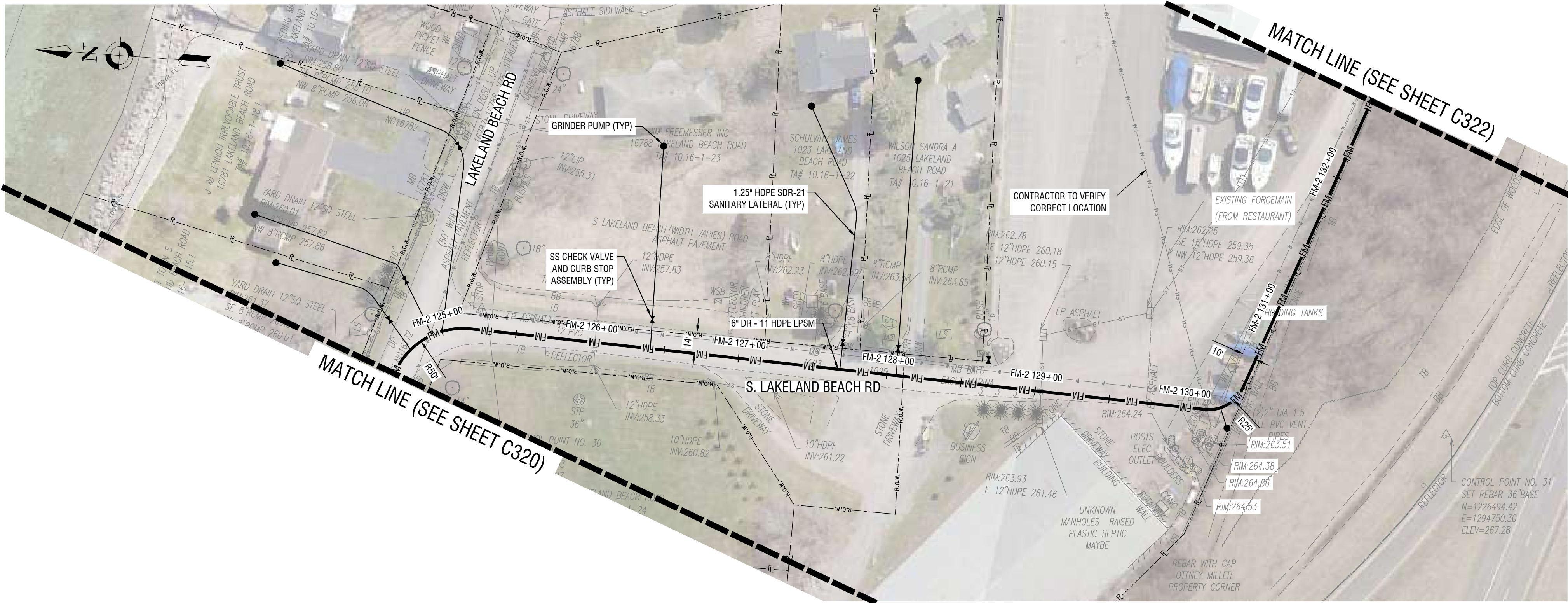
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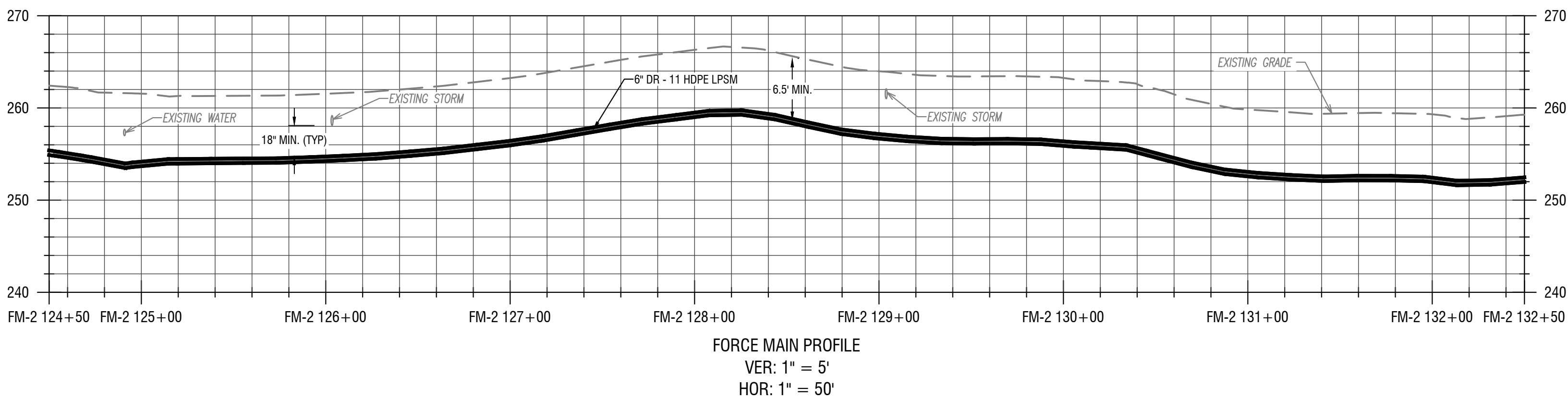
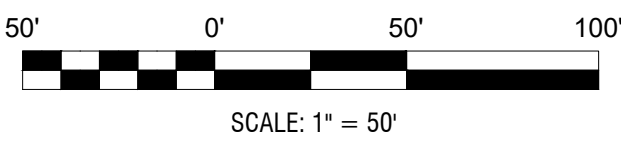
LOW PRESSURE SEWER PLAN
& PROFILES
(LAKELAND BEACH RD)

DRAWING NUMBER:

C321



1 LOW PRESSURE SEWER PLAN
C321 HORIZ: 1" = 50'



2 LOW PRESSURE SEWER PROFILE
C321 VERT: 1" = 5'
HORIZ: 1" = 50'

- KEY NOTES
- GRINDER PUMPS WITH REMOTE VENTING
 - INSTALL ALARM PANEL (FURNISHED BY OWNER), MOUNTED TO HOUSE
 - INSTALL ALARM PANEL (FURNISHED BY OWNER), MOUNTED TO POST
 - PROVIDE ONE 3/4" PVC CONDUIT BETWEEN THE PUMP CONTROL / ALARM PANEL & THE GRINDER PUMP. INSTALL ELECTRICAL SUPPLY CABLE (ESO) PROVIDED WITH PUMP - CONNECT TO GRINDER PUMP AND CONTROL / ALARM PANEL.

NOT FOR CONSTRUCTION

EXP: 12/31/2023 EXP: ##/##/20##

CERTIFICATE OF AUTHORIZATION NUMBER:
PROFESSIONAL ENGINEERING: 095099
LAND SURVEYING: 017976
GEOLOGICAL: 018750

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INFRASTRUCTURE
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TOWN OF KENDALL & TOWN OF HAMLIN

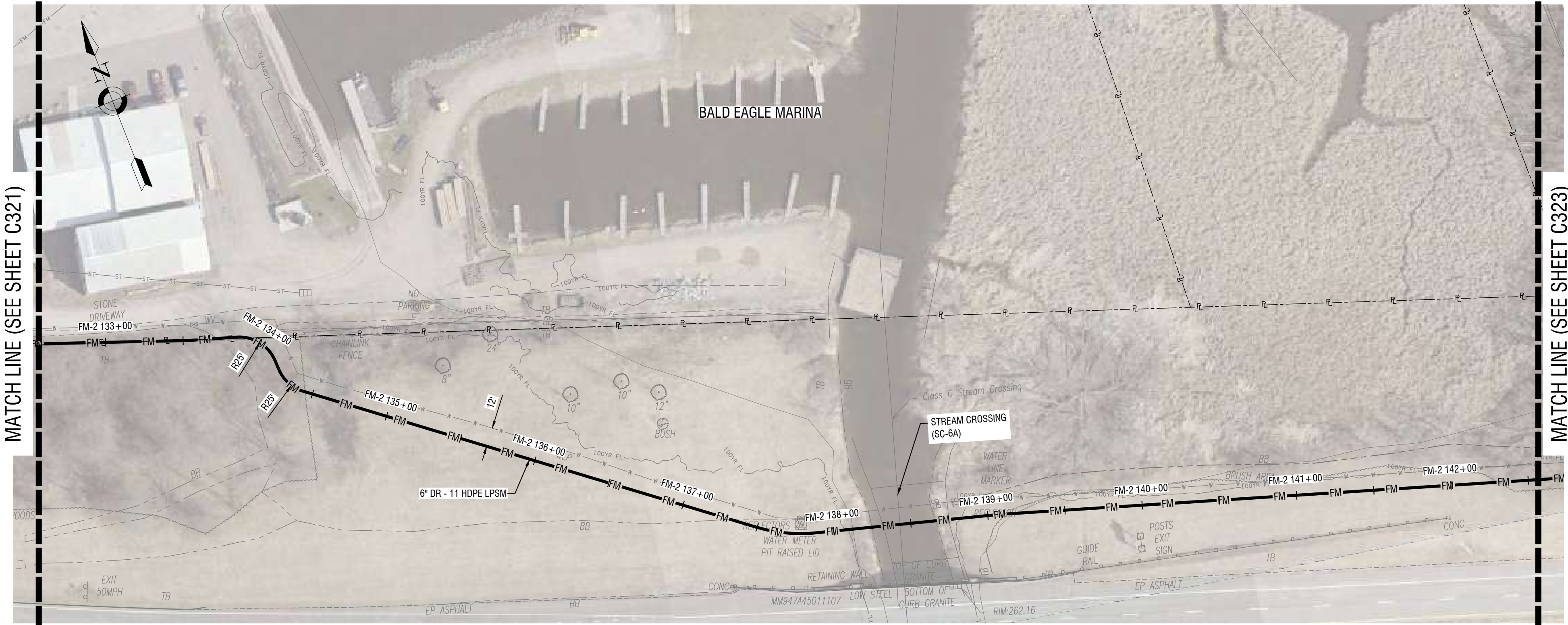
NO:	DATE:	DESCRIPTION:
Revisions		

PROJECT NUMBER:	2200455
DRAWN BY:	JCB
REVIEWED BY:	JRE
ISSUED FOR:	60% DESIGN SUBMISSION
DATE:	SEPTEMBER 2023
DRAWING NAME:	

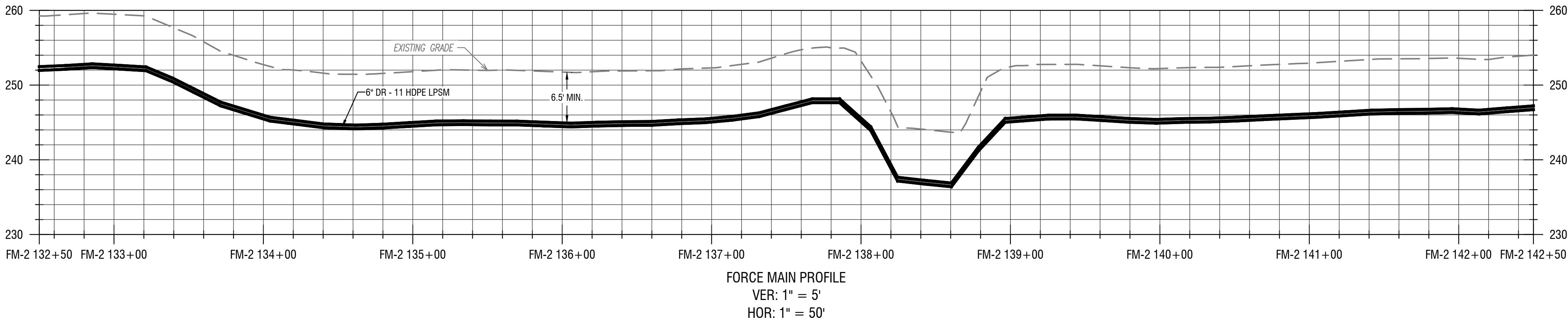
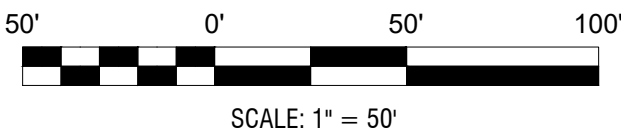
LOW PRESSURE SEWER PLAN
& PROFILES
(BALD EAGLE MARINA)

DRAWING NUMBER:

C322



1
C322
LOW PRESSURE SEWER PLAN
HORIZ: 1" = 50'



2
C322
LOW PRESSURE SEWER PROFILE
VERT: 1" = 5'
HORIZ: 1" = 50'

- KEY NOTES
- GRINDER PUMPS WITH REMOTE VENTING
 - INSTALL ALARM PANEL (FURNISHED BY OWNER), MOUNTED TO HOUSE
 - INSTALL ALARM PANEL (FURNISHED BY OWNER), MOUNTED TO POST
 - PROVIDE ONE 1/2" PVC CONDUIT BETWEEN THE PUMP CONTROL / ALARM PANEL & THE GRINDER PUMP. INSTALL ELECTRICAL SUPPLY CABLE (ESQ) PROVIDED WITH PUMP - CONNECT TO GRINDER PUMP AND CONTROL / ALARM PANEL.

NOT FOR CONSTRUCTION

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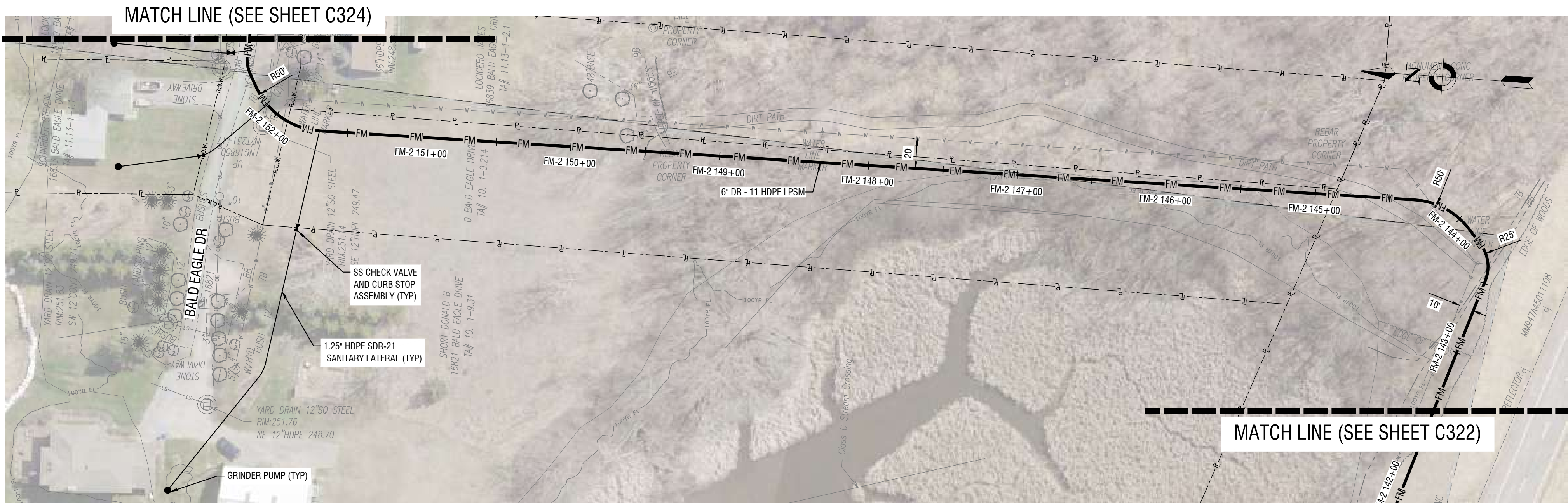
DATE: SEPTEMBER 2023

DRAWING NAME:

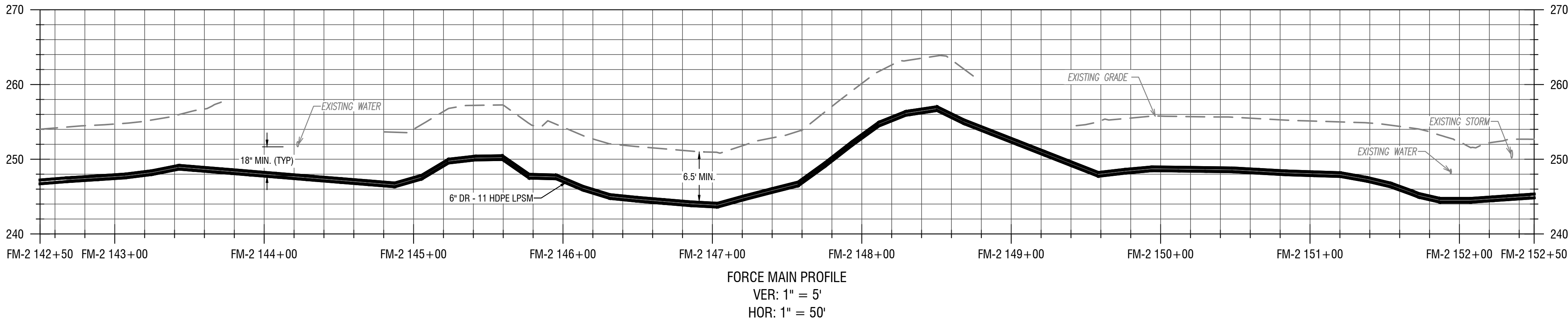
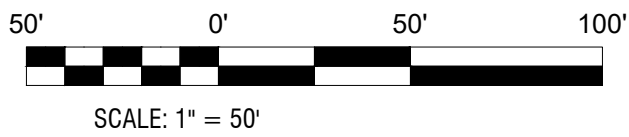
LOW PRESSURE SEWER PLAN
& PROFILES
(BALD EAGLE MARINA)

DRAWING NUMBER:

C323

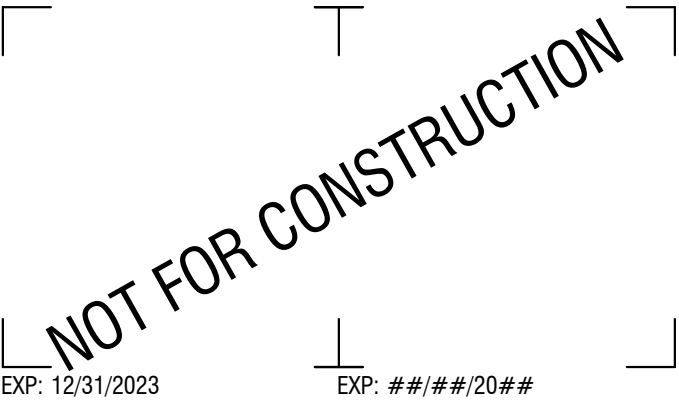


1
C323
LOW PRESSURE SEWER PLAN
HORIZ: 1" = 50'



2
C323
LOW PRESSURE SEWER PROFILE
VERT: 1" = 5'
HORIZ: 1" = 50'

- KEY NOTES
- GRINDER PUMPS WITH REMOTE VENTING
 - INSTALL ALARM PANEL (FURNISHED BY OWNER), MOUNTED TO HOUSE
 - INSTALL ALARM PANEL (FURNISHED BY OWNER), MOUNTED TO POST
 - PROVIDE ONE 3/4" PVC CONDUIT BETWEEN THE PUMP CONTROL / ALARM PANEL & THE GRINDER PUMP. INSTALL ELECTRICAL SUPPLY CABLE (ESO) PROVIDED WITH PUMP - CONNECT TO GRINDER PUMP AND CONTROL / ALARM PANEL.



CERTIFICATE OF AUTHORIZATION NUMBER:
PROFESSIONAL ENGINEERING: 095099
LAND SURVEYING: 017976
GEOLOGICAL: 018750

It is a violation of New York Education Law Art. 145 Sec. 7209 & Art. 147 Sec. 7307, for any person, unless acting under the direction of a licensed architect, professional engineer, or land surveyor, to alter an item in any way. If an item bearing the seal of an architect, engineer, or land surveyor is altered, the altering architect, engineer, or land surveyor shall affix to the item their seal and notation "altered by" followed by their signature and date of such alteration, and a specific description of the alteration.

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**REDI WASTEWATER
INFRASTRUCTURE
(CONTRACT 1)**

TOWN OF KENDALL & TOWN OF HAMLIN

NO:	DATE:	DESCRIPTION:
Revisions		

PROJECT NUMBER: 2200455

DRAWN BY: JCB
REVIEWED BY: JRE

ISSUED FOR: 60% DESIGN SUBMISSION

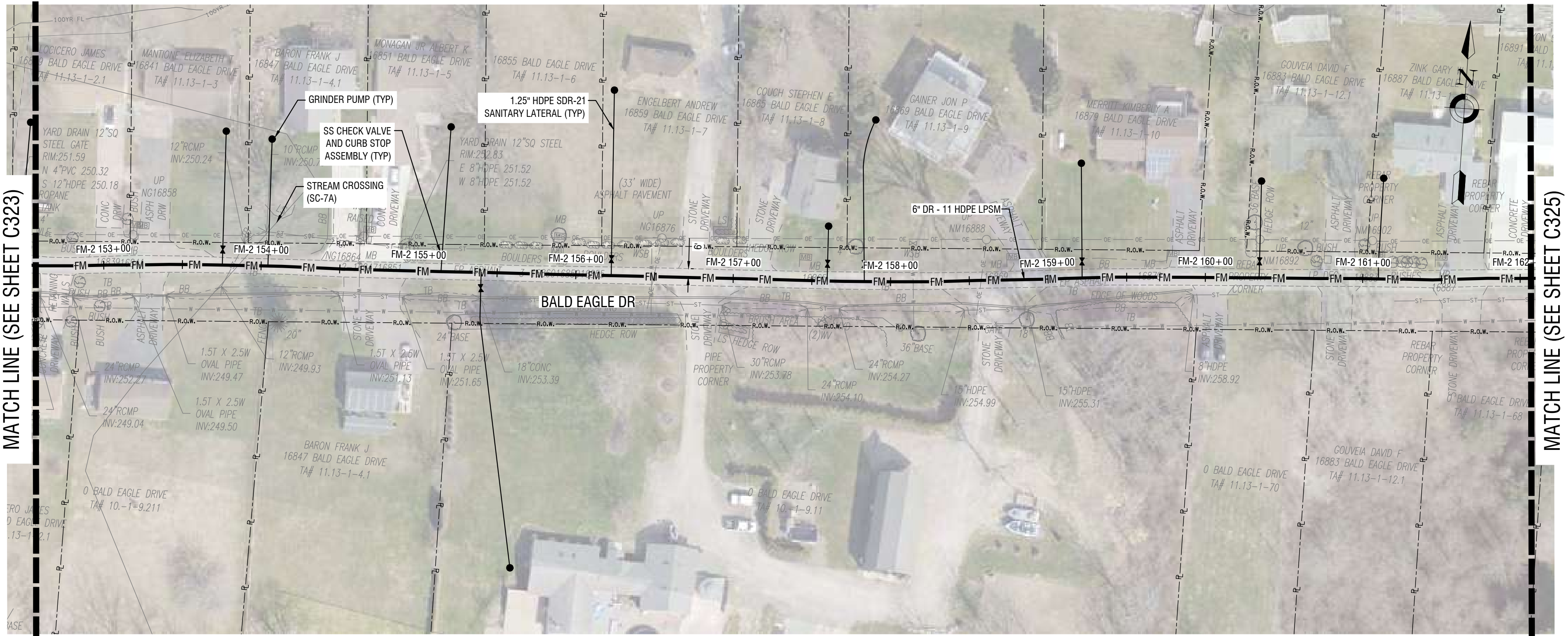
DATE: SEPTEMBER 2023

DRAWING NAME:

**LOW PRESSURE SEWER PLAN
& PROFILES
(BALD EAGLE DR)**

DRAWING NUMBER:

C324



NOT FOR CONSTRUCTION

EXP: 12/31/2023 EXP: ####/20##

CERTIFICATE OF AUTHORIZATION NUMBER:
PROFESSIONAL ENGINEERING: 095099
LAND SURVEYING: 017976
GEOLOGICAL: 018750

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REDI WASTEWATER
INFRASTRUCTURE
(CONTRACT 1)

TOWN OF KENDALL & TOWN OF HAMLIN

NO:	DATE:	DESCRIPTION:
Revisions		

PROJECT NUMBER: 2200455

DRAWN BY: JCB
REVIEWED BY: JRE

ISSUED FOR: 60% DESIGN SUBMISSION

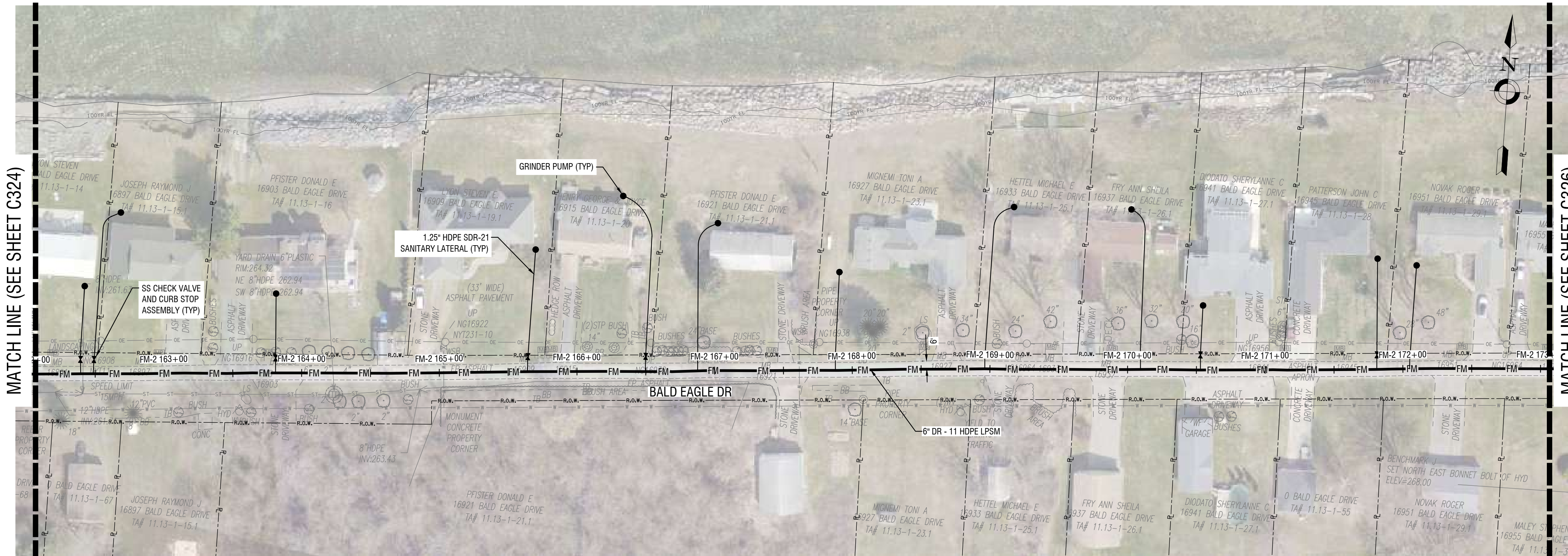
DATE: SEPTEMBER 2023

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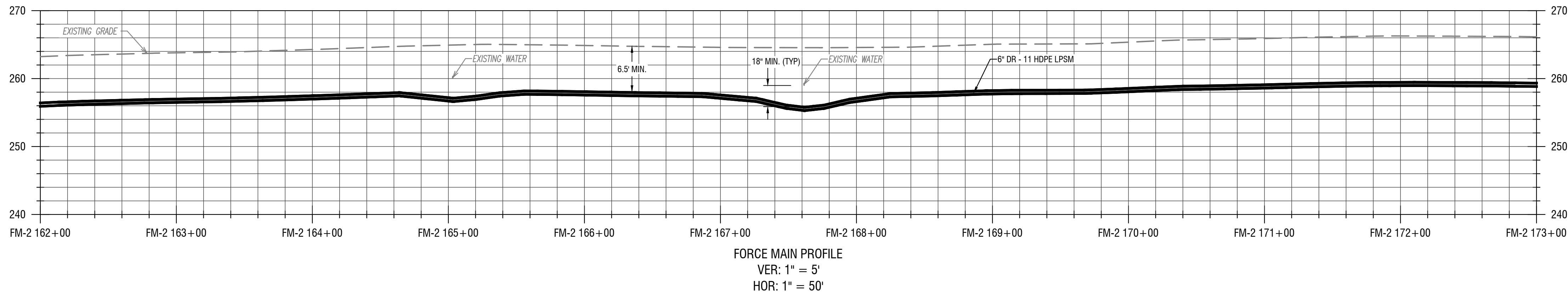
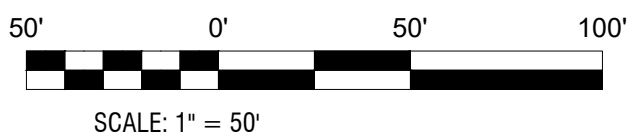
LOW PRESSURE SEWER PLAN
& PROFILES
(BALD EAGLE DR)

DRAWING NUMBER:

C325



1 LOW PRESSURE SEWER PLAN
C325 HORIZ: 1" = 50'



2 LOW PRESSURE SEWER PROFILE
C325 VERT: 1" = 5'
HORIZ: 1" = 50'

- KEY NOTES
- 1 GRINDER PUMPS WITH REMOTE VENTING
 - 2 INSTALL ALARM PANEL (FURNISHED BY OWNER), MOUNTED TO HOUSE
 - 3 INSTALL ALARM PANEL (FURNISHED BY OWNER), MOUNTED TO POST
 - 4 PROVIDE ONE 3/4" PVC CONDUIT BETWEEN THE PUMP CONTROL / ALARM PANEL & THE GRINDER PUMP. INSTALL ELECTRICAL SUPPLY CABLE (ESO) PROVIDED WITH PUMP - CONNECT TO GRINDER PUMP AND CONTROL / ALARM PANEL.

NOT FOR CONSTRUCTION

EXP: 12/31/2023 EXP: ##/##/20##

CERTIFICATE OF AUTHORIZATION NUMBER:
PROFESSIONAL ENGINEERING: 095099
LAND SURVEYING: 017976
GEOLOGICAL: 018750

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REDI WASTEWATER
INFRASTRUCTURE
(CONTRACT 1)

TOWN OF KENDALL & TOWN OF HAMLIN

NO.	DATE:	DESCRIPTION:
Revisions		

PROJECT NUMBER: 2200455

DRAWN BY: JCB
REVIEWED BY: JRE

ISSUED FOR: 60% DESIGN SUBMISSION

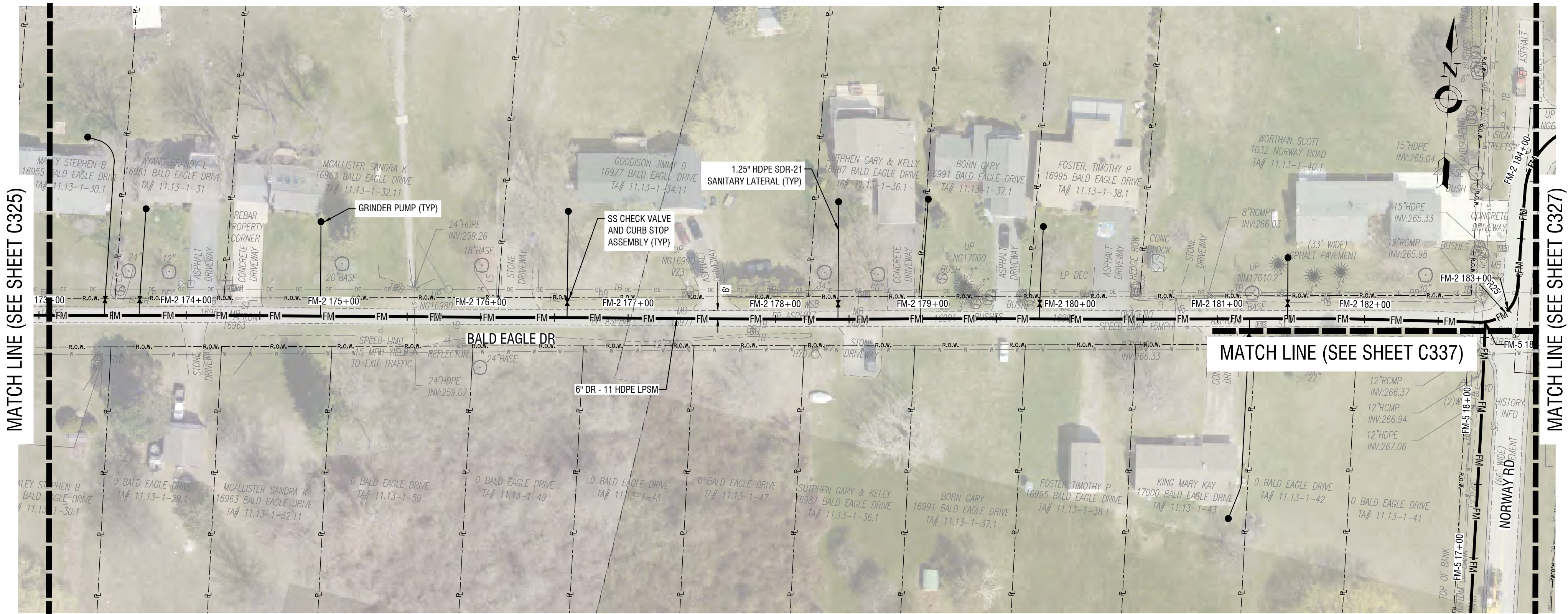
DATE: SEPTEMBER 2023

DRAWING NAME:

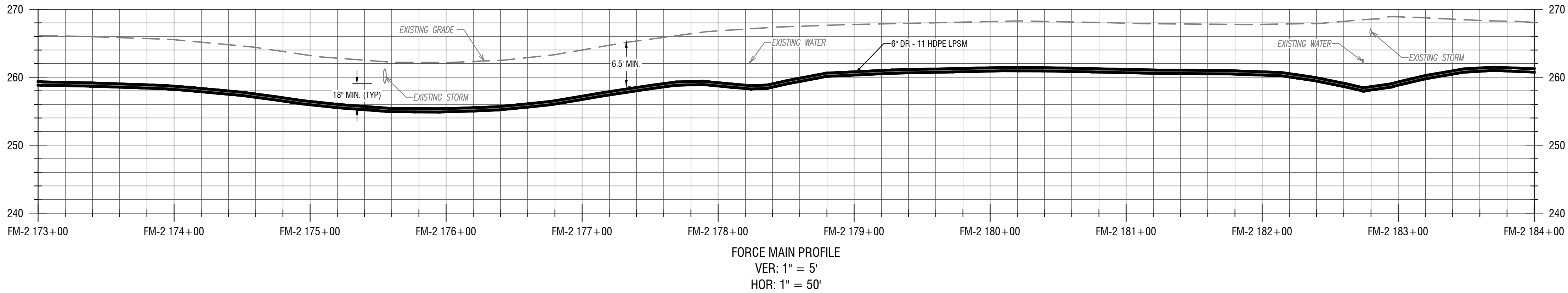
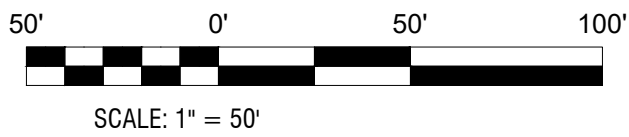
LOW PRESSURE SEWER PLAN
& PROFILES
(BALD EAGLE DR)

DRAWING NUMBER:

C326



1
C326
LOW PRESSURE SEWER PLAN
HORIZ: 1" = 50'



2
C326
LOW PRESSURE SEWER PROFILE
VERT: 1" = 5'
HORIZ: 1" = 50'

- KEY NOTES
- GRINDER PUMPS WITH REMOTE VENTING
 - INSTALL ALARM PANEL (FURNISHED BY OWNER), MOUNTED TO HOUSE
 - INSTALL ALARM PANEL (FURNISHED BY OWNER), MOUNTED TO POST
 - PROVIDE ONE 3/4" PVC CONDUIT BETWEEN THE PUMP CONTROL / ALARM PANEL & THE GRINDER PUMP. INSTALL ELECTRICAL SUPPLY CABLE (ESO) PROVIDED WITH PUMP - CONNECT TO GRINDER PUMP AND CONTROL / ALARM PANEL.

**REDI WASTEWATER
INFRASTRUCTURE
(CONTRACT 1)**

TOWN OF KENDALL & TOWN OF HAMLIN

NO:	DATE:	DESCRIPTION:
Revisions		

PROJECT NUMBER: 2200455

DRAWN BY: JCB
REVIEWED BY: JRE

ISSUED FOR: 60% DESIGN SUBMISSION

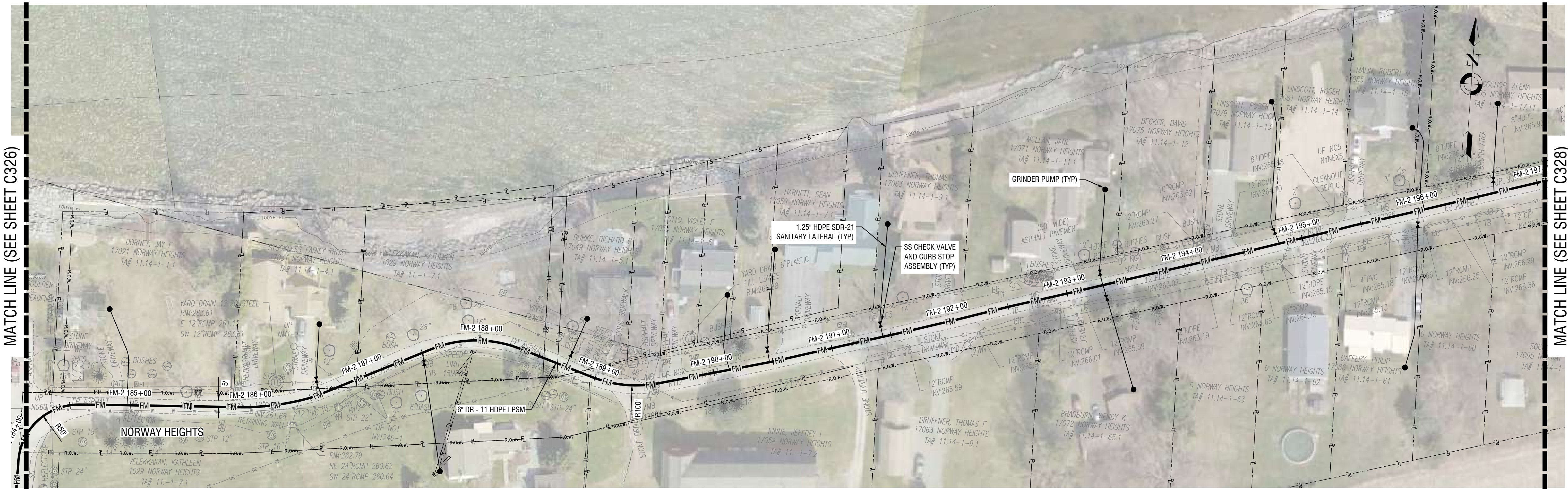
DATE: SEPTEMBER 2023

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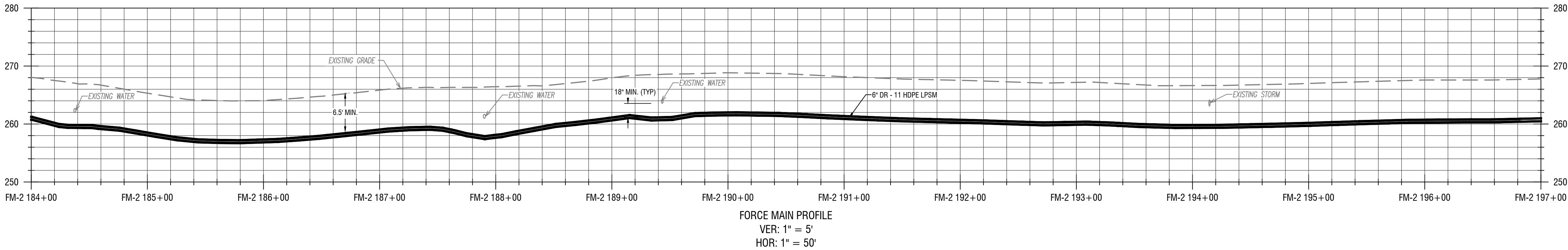
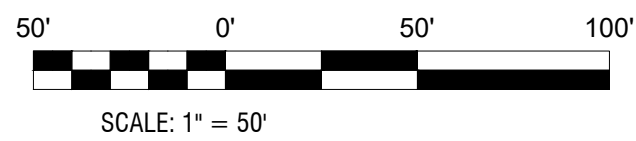
**LOW PRESSURE SEWER PLAN
& PROFILES
(NORWAY HEIGHTS)**

DRAWING NUMBER:

C327



1 LOW PRESSURE SEWER PLAN
C327 HORIZ: 1" = 50'



2 LOW PRESSURE SEWER PROFILE
C327 VERT: 1" = 5'
HORIZ: 1" = 50'

- KEY NOTES
- GRINDER PUMPS WITH REMOTE VENTING
 - INSTALL ALARM PANEL (FURNISHED BY OWNER), MOUNTED TO HOUSE
 - INSTALL ALARM PANEL (FURNISHED BY OWNER), MOUNTED TO POST
 - PROVIDE ONE 3/4" PVC CONDUIT BETWEEN THE PUMP CONTROL / ALARM PANEL & THE GRINDER PUMP. INSTALL ELECTRICAL SUPPLY CABLE (ESO) PROVIDED WITH PUMP - CONNECT TO GRINDER PUMP AND CONTROL / ALARM PANEL.

NOT FOR CONSTRUCTION

EXP: 12/31/2023 EXP: ###/##/20##

CERTIFICATE OF AUTHORIZATION NUMBER:
PROFESSIONAL ENGINEERING: 095099
LAND SURVEYING: 017976
GEOLOGICAL: 018750

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REDI WASTEWATER
INFRASTRUCTURE
(CONTRACT 1)

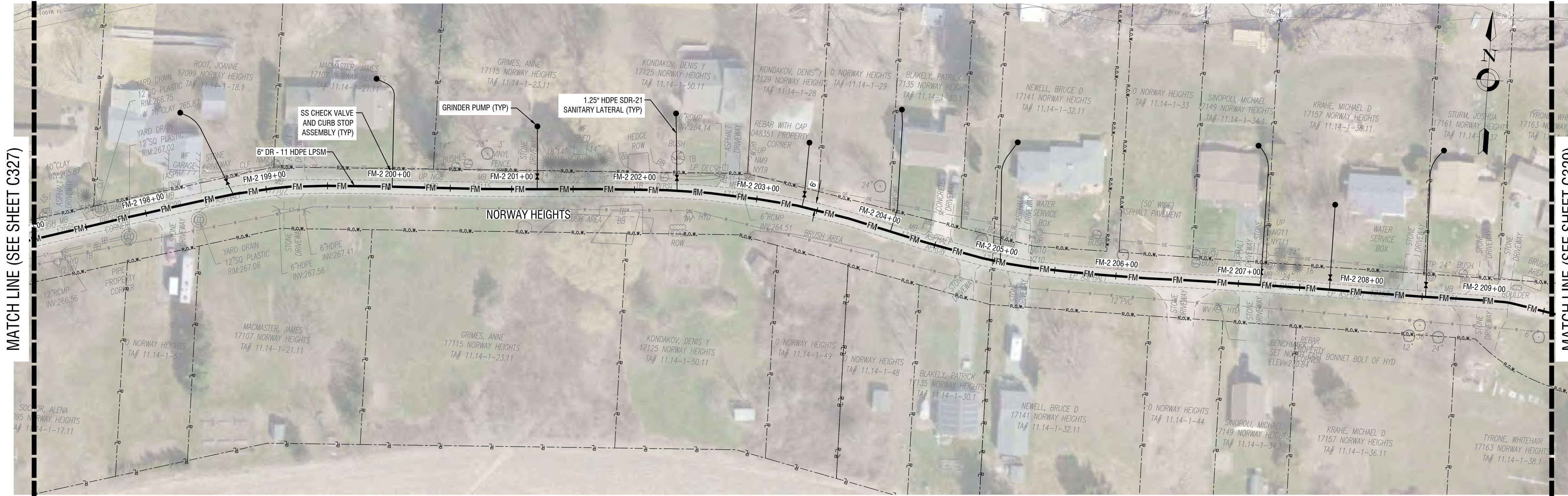
TOWN OF KENDALL & TOWN OF HAMLIN

NO:	DATE:	DESCRIPTION:
Revisions		
PROJECT NUMBER: 2200455		
DRAWN BY: JCB		
REVIEWED BY: JRE		
ISSUED FOR: 60% DESIGN SUBMISSION		
DATE: SEPTEMBER 2023		
DRAWING NAME:		

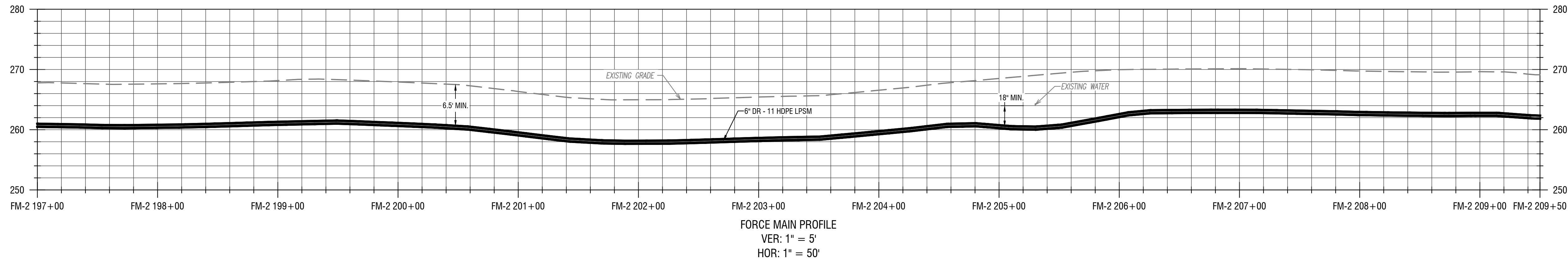
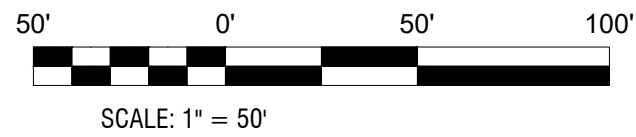
LOW PRESSURE SEWER PLAN
& PROFILES
(NORWAY HEIGHTS)

DRAWING NUMBER:

C328



1 LOW PRESSURE SEWER PLAN
C328 HORIZ: 1" = 50'



2 LOW PRESSURE SEWER PROFILE
C328 VERT: 1" = 5'
HORIZ: 1" = 50'

- KEY NOTES
- GRINDER PUMPS WITH REMOTE VENTING
 - INSTALL ALARM PANEL (FURNISHED BY OWNER), MOUNTED TO HOUSE
 - INSTALL ALARM PANEL (FURNISHED BY OWNER), MOUNTED TO POST
 - PROVIDE ONE 3/4" PVC CONDUIT BETWEEN THE PUMP CONTROL / ALARM PANEL & THE GRINDER PUMP. INSTALL ELECTRICAL SUPPLY CABLE (ESO) PROVIDED WITH PUMP - CONNECT TO GRINDER PUMP AND CONTROL / ALARM PANEL.

NOT FOR CONSTRUCTION

EXP: 12/31/2023 EXP: ##/##/20##

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REDI WASTEWATER
INFRASTRUCTURE
(CONTRACT 1)

TOWN OF KENDALL & TOWN OF HAMLIN

NO:	DATE:	DESCRIPTION:
Revisions		

PROJECT NUMBER: 2200455

DRAWN BY: JCB
REVIEWED BY: JRE

ISSUED FOR: 60% DESIGN SUBMISSION

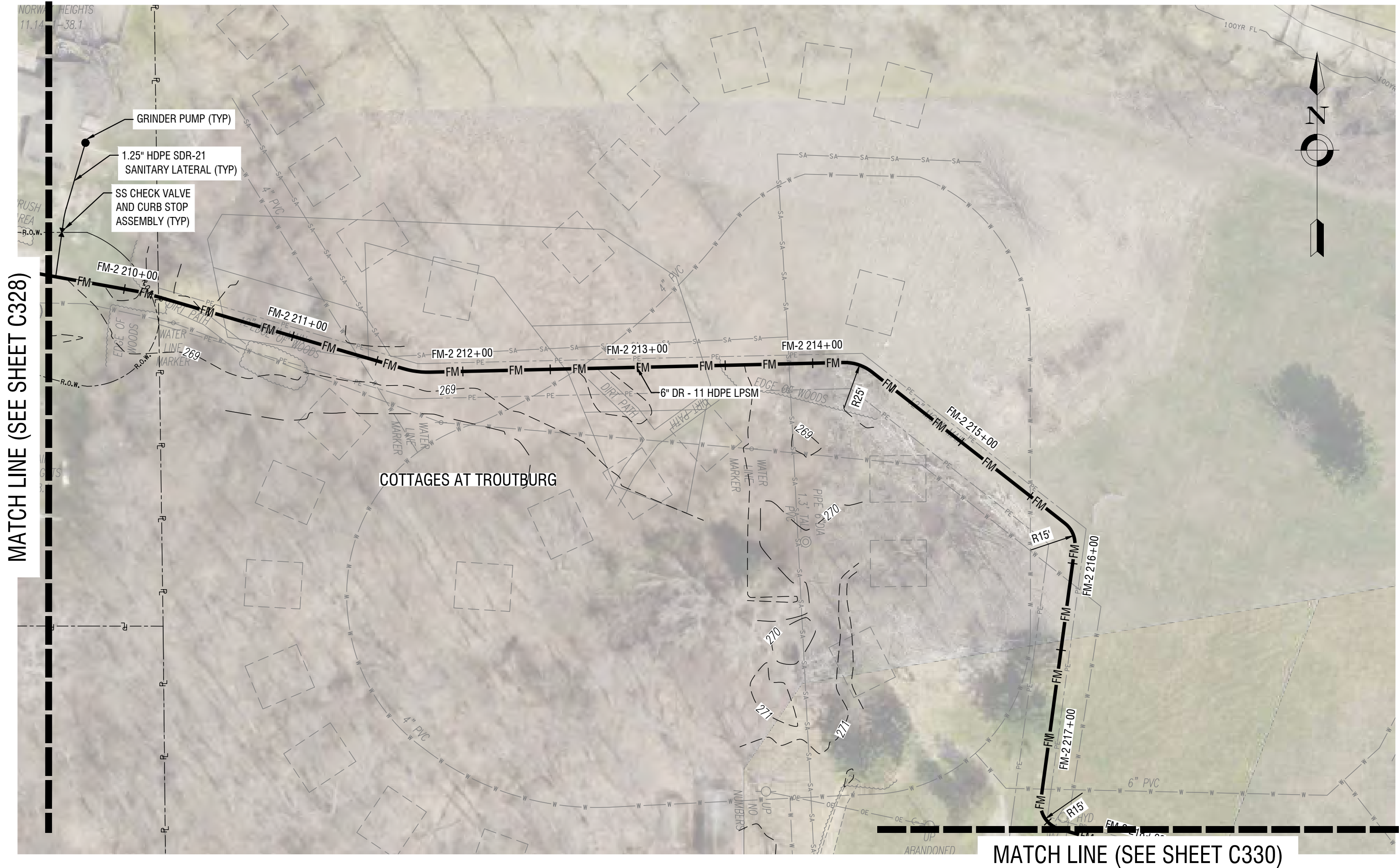
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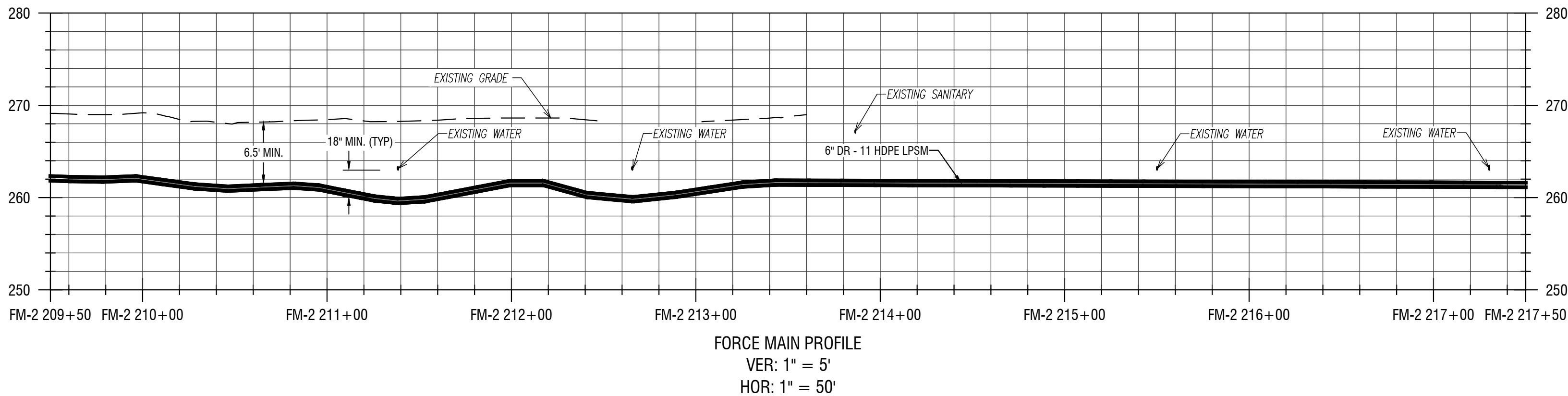
LOW PRESSURE SEWER PLAN
& PROFILES
(COTTAGES AT TROUTBURG)

DRAWING NUMBER:

C329



1 LOW PRESSURE SEWER PLAN
C329 HORIZ: 1" = 50'



2 LOW PRESSURE SEWER PROFILE
C329 VERT: 1" = 5'
HORIZ: 1" = 50'

NOT FOR CONSTRUCTION

EXP: 12/31/2023 EXP: ##/##/20##

CERTIFICATE OF AUTHORIZATION NUMBER:
PROFESSIONAL ENGINEERING: 095099
LAND SURVEYING: 017976
GEOLOGICAL: 018750

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REDI WASTEWATER
INFRASTRUCTURE
(CONTRACT 1)

TOWN OF KENDALL & TOWN OF HAMLIN

NO:	DATE:	DESCRIPTION:
Revisions		

PROJECT NUMBER: 2200455

DRAWN BY: JCB
REVIEWED BY: JRE

ISSUED FOR: 60% DESIGN SUBMISSION

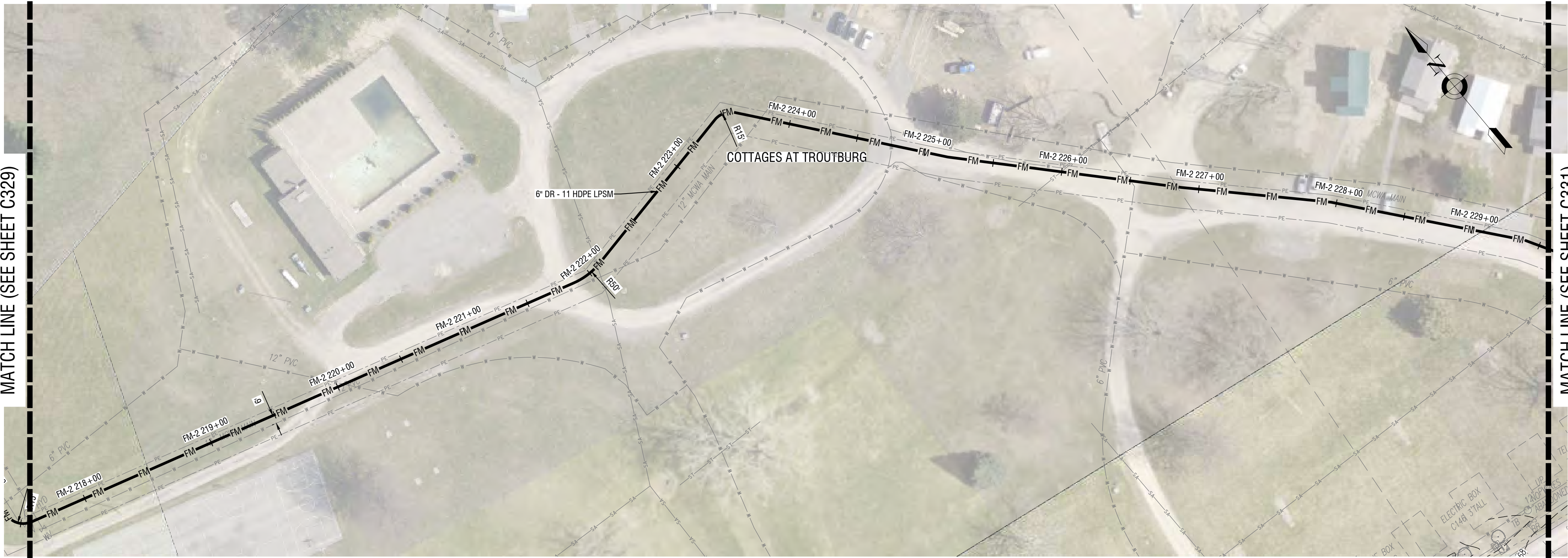
DATE: SEPTEMBER 2023

DRAWING NAME:

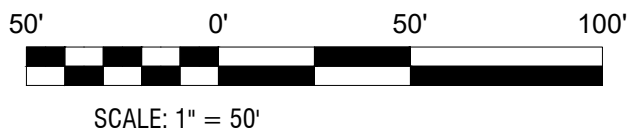
LOW PRESSURE SEWER PLAN
& PROFILES
(COTTAGES AT TROUTBURG)

DRAWING NUMBER:

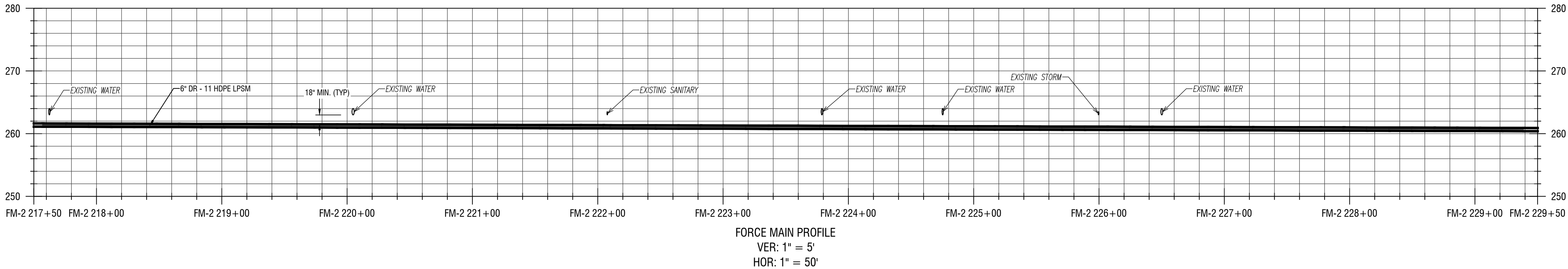
C330



1 LOW PRESSURE SEWER PLAN
C330 HORIZ: 1" = 50'



SCALE: 1" = 50'



2 LOW PRESSURE SEWER PROFILE
C330 VERT: 1" = 5'
HORIZ: 1" = 50'

NOT FOR CONSTRUCTION

EXP: 12/31/2023 EXP: ##/##/20##

CERTIFICATE OF AUTHORIZATION NUMBER:
PROFESSIONAL ENGINEERING: 095099
LAND SURVEYING: 017976
GEOLOGICAL: 018750

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REDI WASTEWATER
INFRASTRUCTURE
(CONTRACT 1)

TOWN OF KENDALL & TOWN OF HAMLIN

NO.	DATE:	DESCRIPTION:
Revisions		

PROJECT NUMBER: 2200455

DRAWN BY: JCB

REVIEWED BY: JRE

ISSUED FOR: 60% DESIGN SUBMISSION

DATE: SEPTEMBER 2023

DRAWING NAME:

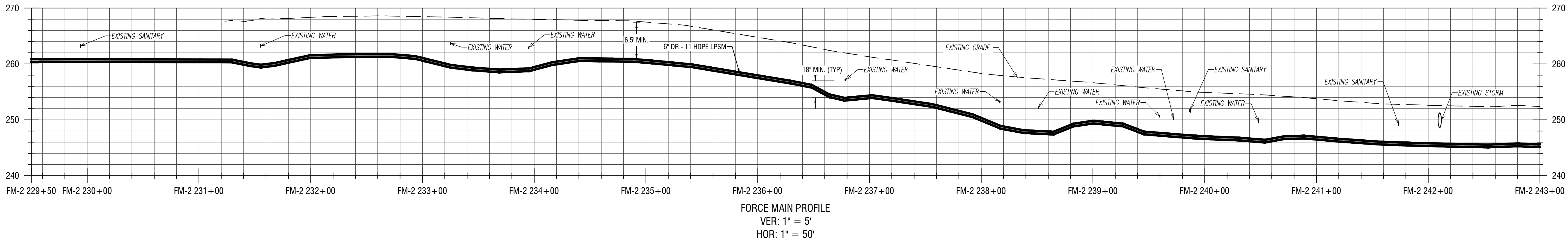
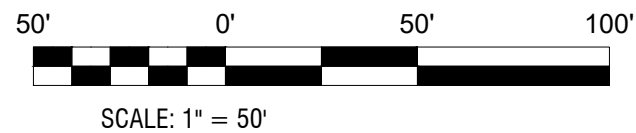
LOW PRESSURE SEWER PLAN
& PROFILES
(MAIN STREET)

DRAWING NUMBER:

C331



1 LOW PRESSURE SEWER PLAN
C331 HORIZ: 1" = 50'



2 LOW PRESSURE SEWER PROFILE
C331 VERT: 1" = 5'
HORIZ: 1" = 50'

NOT FOR CONSTRUCTION

EXP: 12/31/2023 EXP: ##/##/20##

CERTIFICATE OF AUTHORIZATION NUMBER:
PROFESSIONAL ENGINEERING: 095099
LAND SURVEYING: 017976
GEOLOGICAL: 018750

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REDI WASTEWATER
INFRASTRUCTURE
(CONTRACT 1)

TOWN OF KENDALL & TOWN OF HAMLIN

NO:	DATE:	DESCRIPTION:
Revisions		

PROJECT NUMBER: 2200455

DRAWN BY: JCB
REVIEWED BY: JRE

ISSUED FOR: 60% DESIGN SUBMISSION

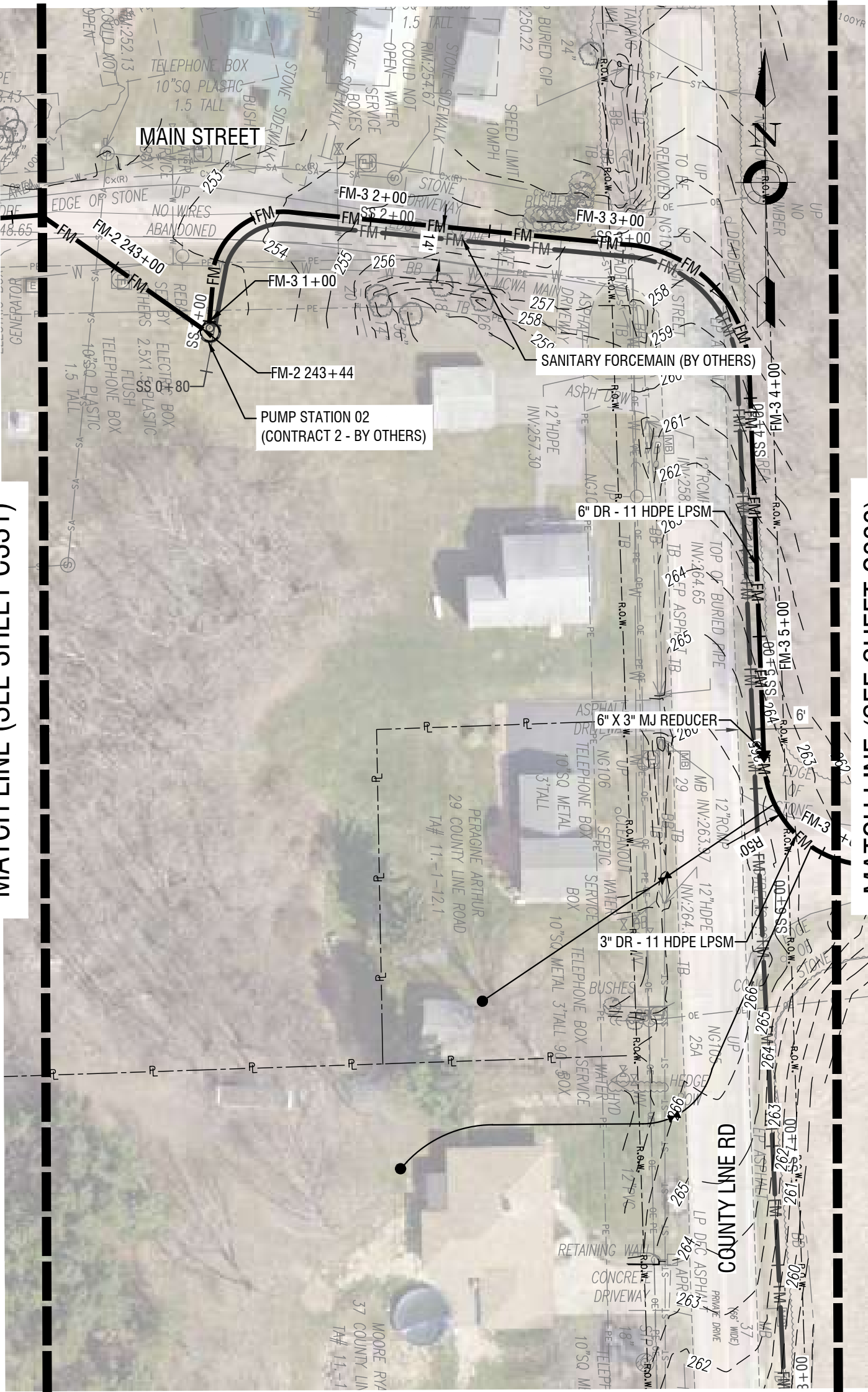
DATE: SEPTEMBER 2023

DRAWING NAME:

LOW PRESSURE SEWER PLAN
& PROFILES
(MAIN STREET &
COUNTY LINE ROAD)

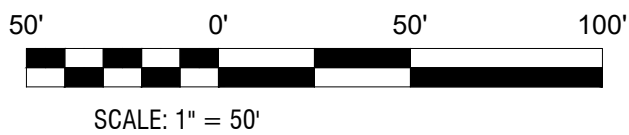
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C332

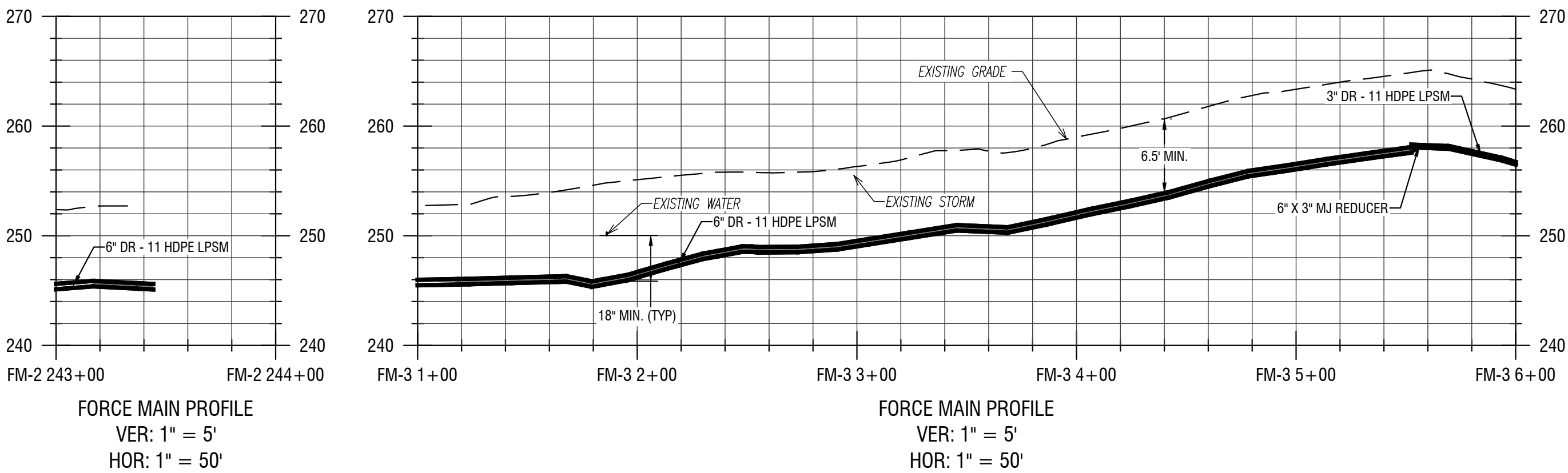


MATCH LINE (SEE SHEET C331)

MATCH LINE (SEE SHEET C333)



1
C332
LOW PRESSURE SEWER PLAN
HORIZ: 1" = 50'



FORCE MAIN PROFILE
VER: 1" = 5'
HOR: 1" = 50'

FORCE MAIN PROFILE
VER: 1" = 5'
HOR: 1" = 50'

2
C332
LOW PRESSURE SEWER PROFILE
VERT: 1" = 5'
HORIZ: 1" = 50'

NOT FOR CONSTRUCTION

EXP: 12/31/2023 EXP: ##/##/20##

CERTIFICATE OF AUTHORIZATION NUMBER:
PROFESSIONAL ENGINEERING: 095099
LAND SURVEYING: 017976
GEOLOGICAL: 018750

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REDI WASTEWATER
INFRASTRUCTURE
(CONTRACT 1)

TOWN OF KENDALL & TOWN OF HAMLIN

NO:	DATE:	DESCRIPTION:
Revisions		

PROJECT NUMBER: 2200455

DRAWN BY: JCB
REVIEWED BY: JRE

ISSUED FOR: 60% DESIGN SUBMISSION

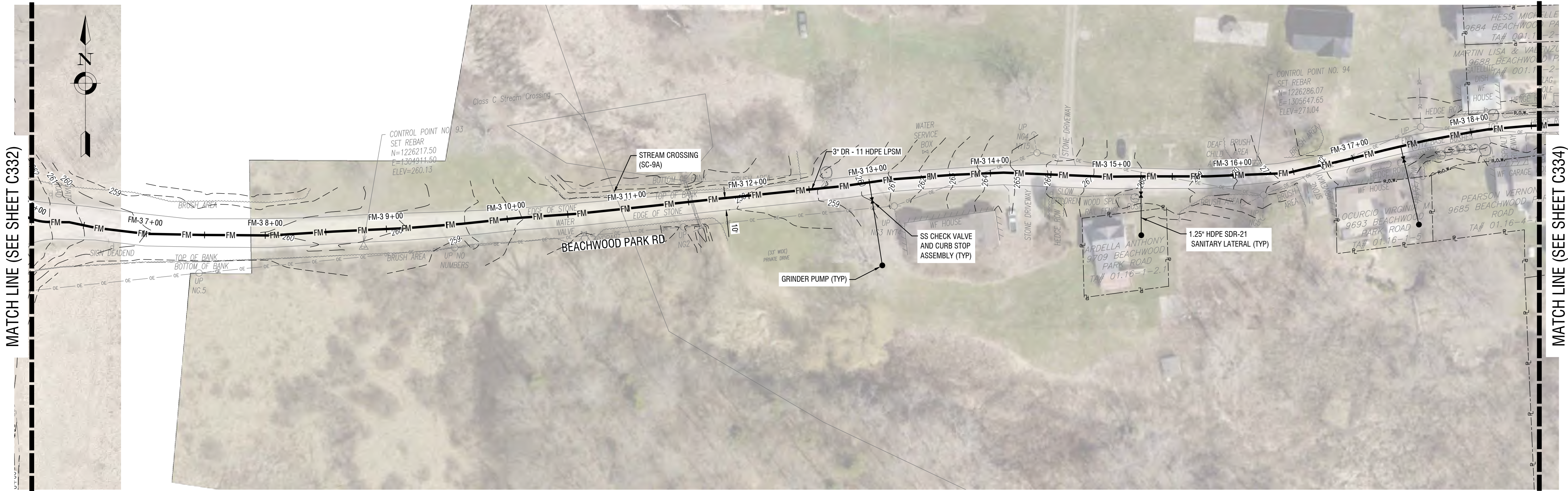
DATE: SEPTEMBER 2023

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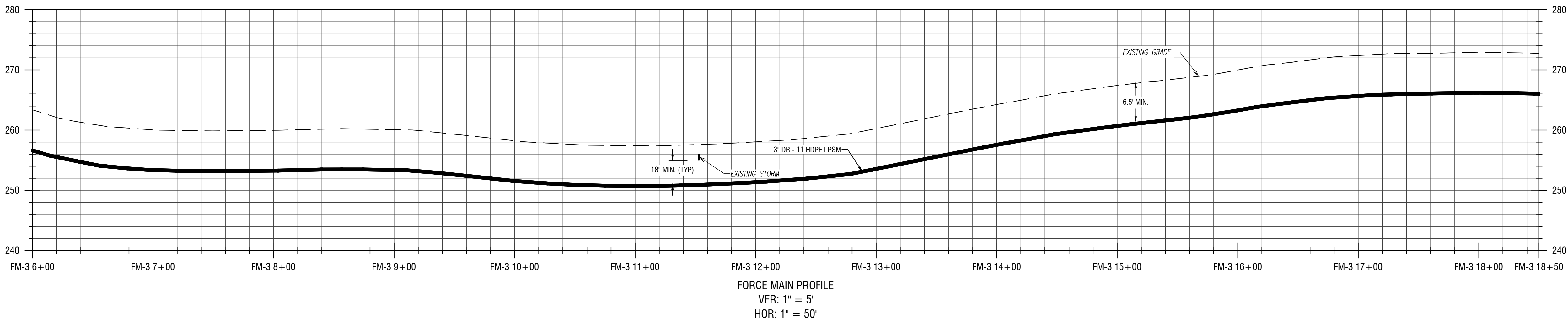
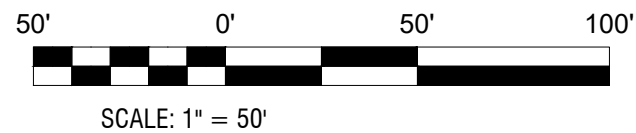
LOW PRESSURE SEWER PLAN
& PROFILES
(BEACHWOOD PARK RD)

DRAWING NUMBER:

C333

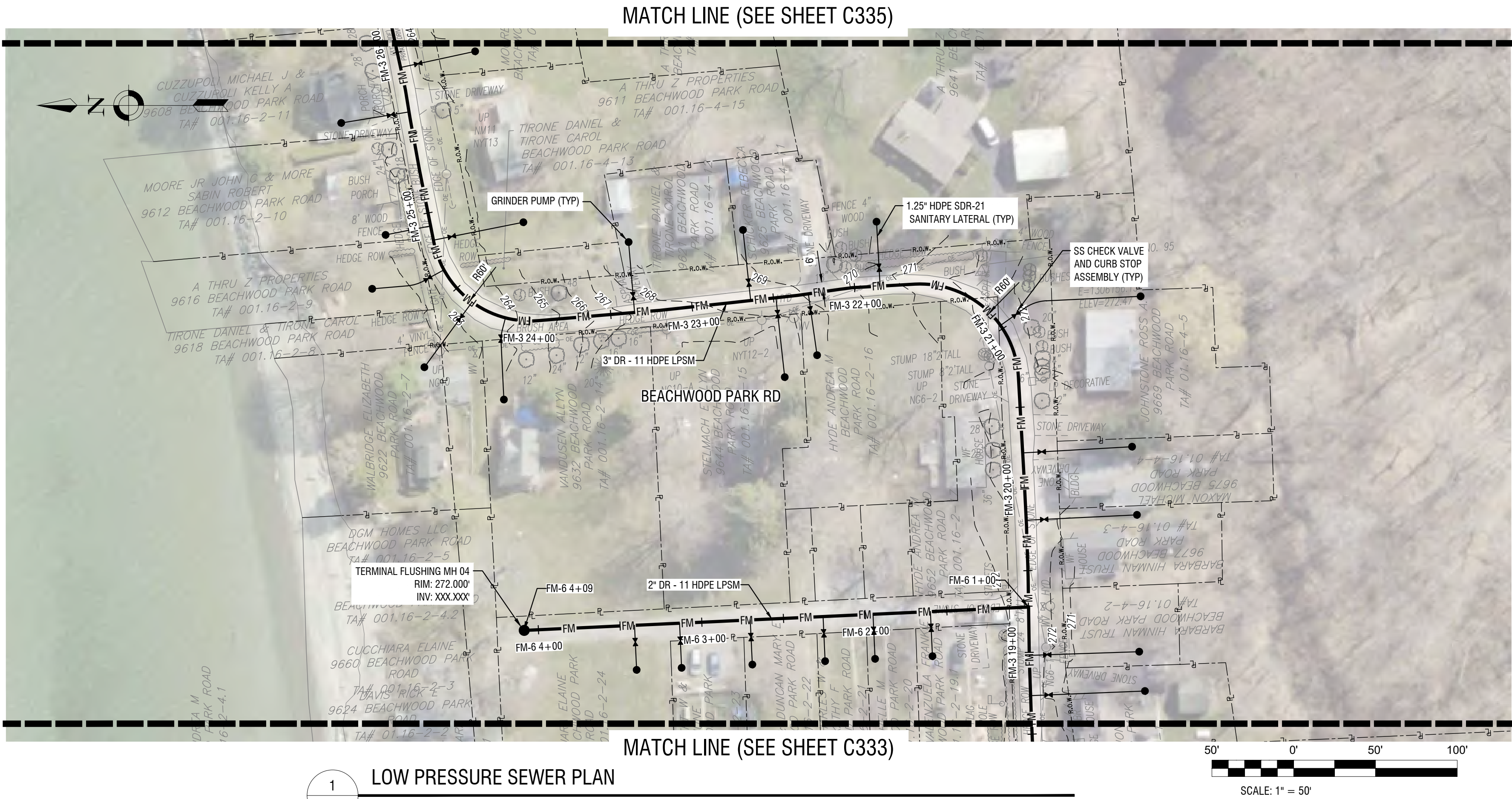


1 LOW PRESSURE SEWER PLAN
C333 HORIZ: 1" = 50'

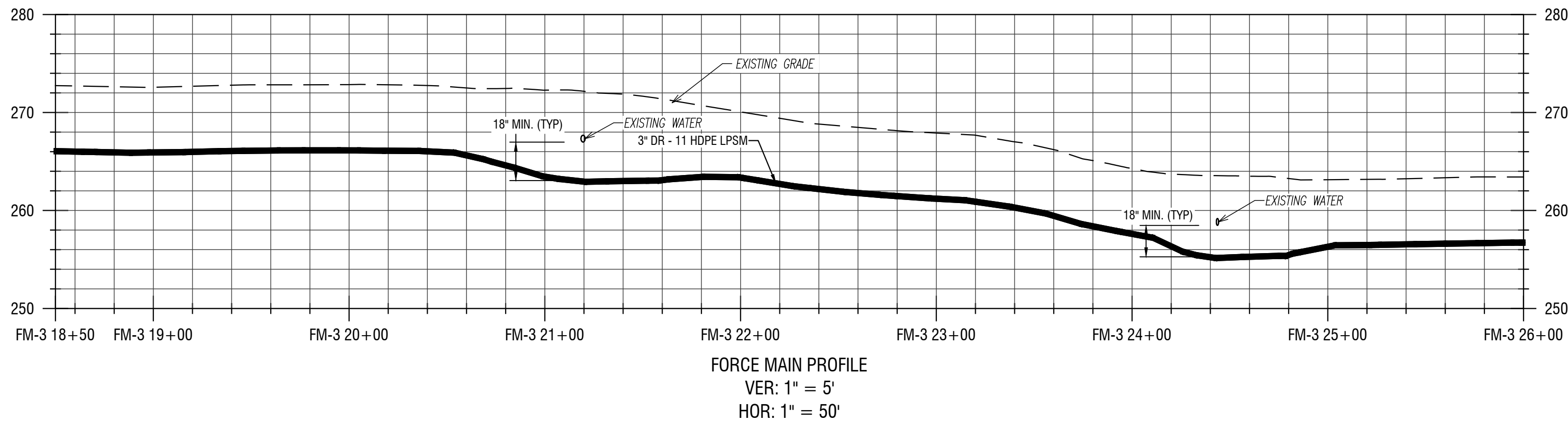


2 LOW PRESSURE SEWER PROFILE
C333 VERT: 1" = 5'
HORIZ: 1" = 50'

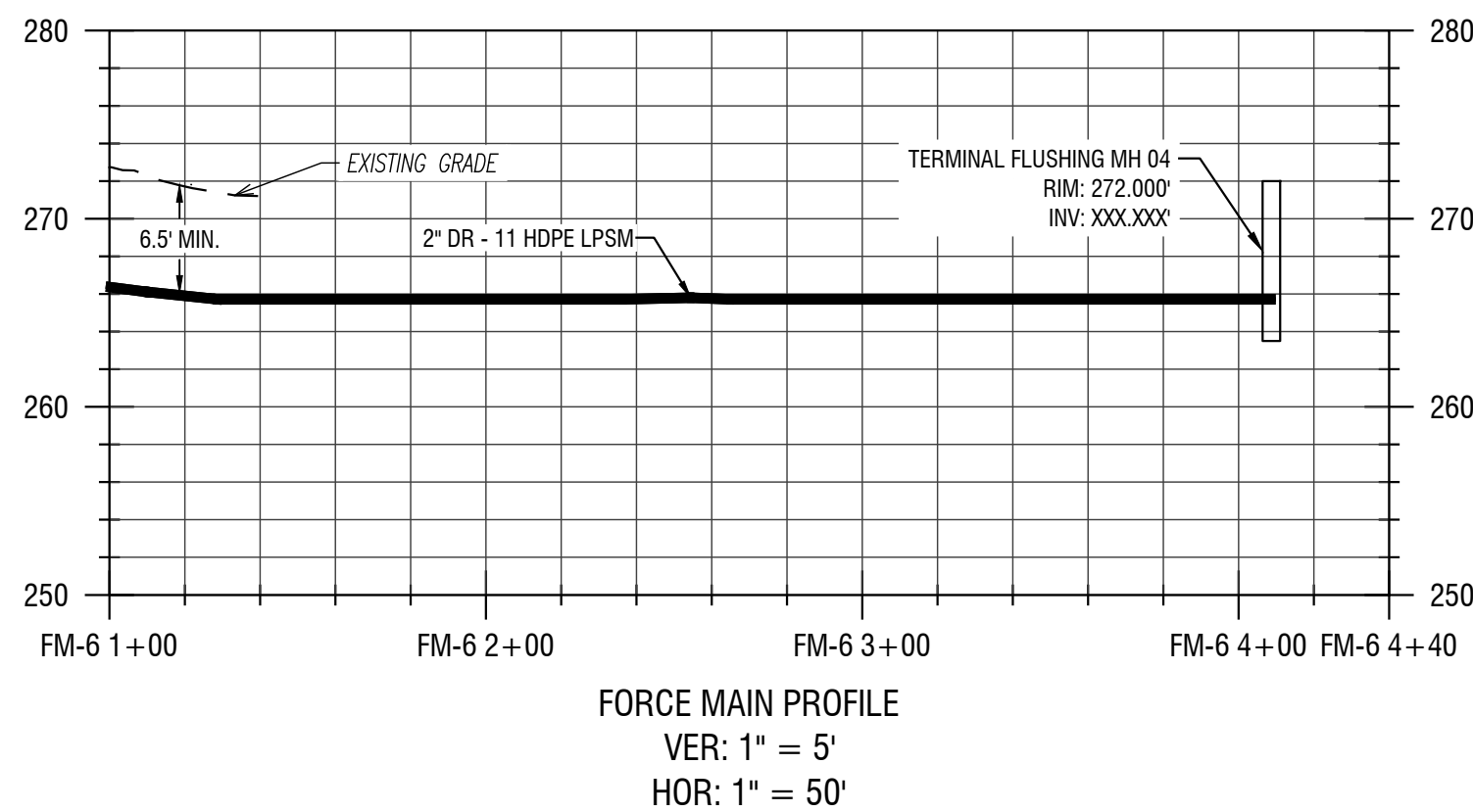
\\cash.ladp\pam7\Kendall\Town of\2200455 - REDI Wastewater Infrastructure\Drawings\Civil\01 CONTRACT NO 1 - (LPSM COLLECTION)\C331 - NORWAY EXT., TROUTBURG, BEACHWOOD.dwg
8/31/2023 3:50:26 PM



1
C334
LOW PRESSURE SEWER PLAN
HORIZ: 1" = 50'



2
C334
LOW PRESSURE SEWER PROFILE
VERT: 1" = 5'
HORIZ: 1" = 50'



3
C334
LOW PRESSURE SEWER PROFILE
VERT: 1" = 5'
HORIZ: 1" = 50'

**REDI WASTEWATER
INFRASTRUCTURE
(CONTRACT 1)**

TOWN OF KENDALL & TOWN OF HAMLIN

NO:	DATE:	DESCRIPTION:
Revisions		

PROJECT NUMBER: 2200455

DRAWN BY: JCB
REVIEWED BY: JRE

ISSUED FOR: 60% DESIGN SUBMISSION

DATE: SEPTEMBER 2023

DRAWING NAME:

**LOW PRESSURE SEWER PLAN
& PROFILES
(BEACHWOOD PARK RD)**

DRAWING NUMBER:

NOT FOR CONSTRUCTION

EXP: 12/31/2023 EXP: ##/##/20##

CERTIFICATE OF AUTHORIZATION NUMBER:
PROFESSIONAL ENGINEERING: 095099
LAND SURVEYING: 017976
GEOLOGICAL: 018750

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INFRASTRUCTURE
(CONTRACT 1)

TOWN OF KENDALL & TOWN OF HAMLIN

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Revisions		

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DRAWN BY: JCB
REVIEWED BY: JRE

ISSUED FOR: 60% DESIGN SUBMISSION

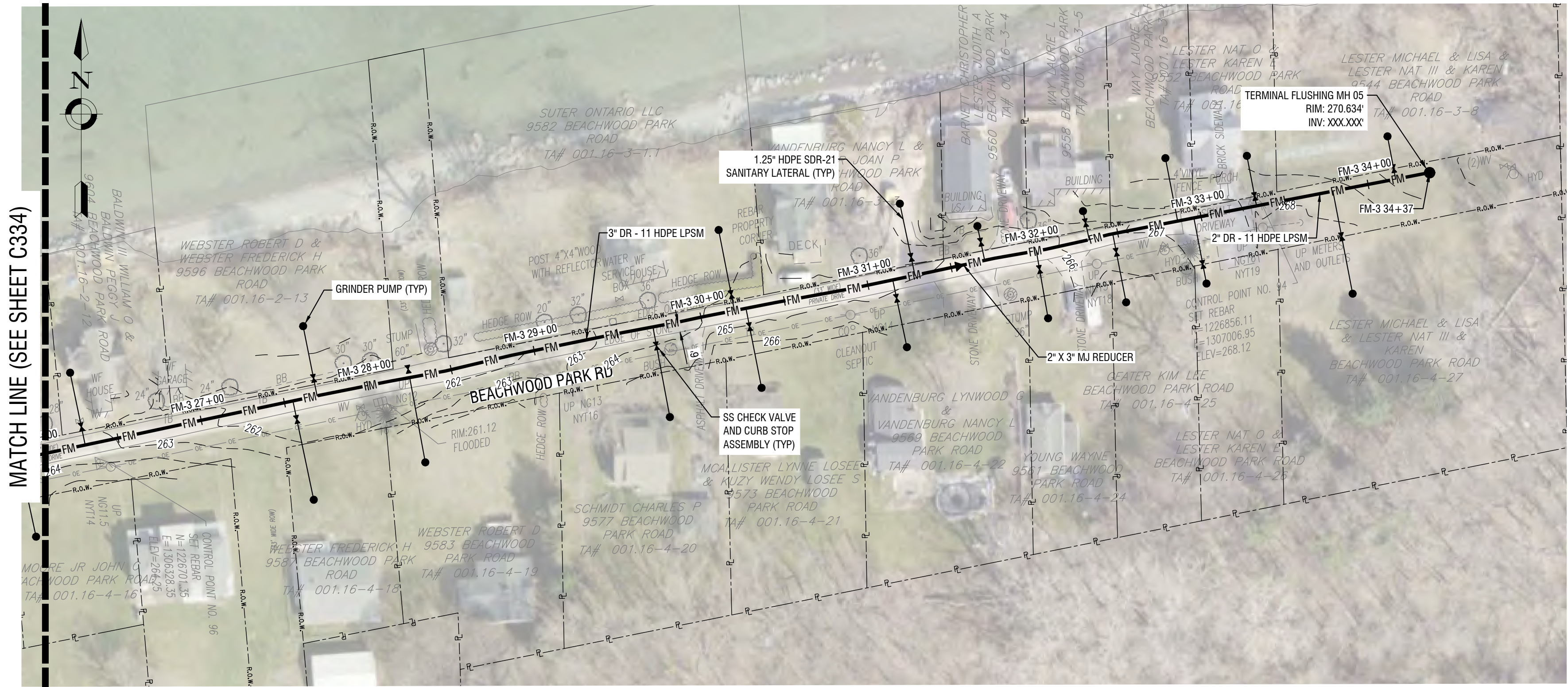
DATE: SEPTEMBER 2023

DRAWING NAME:

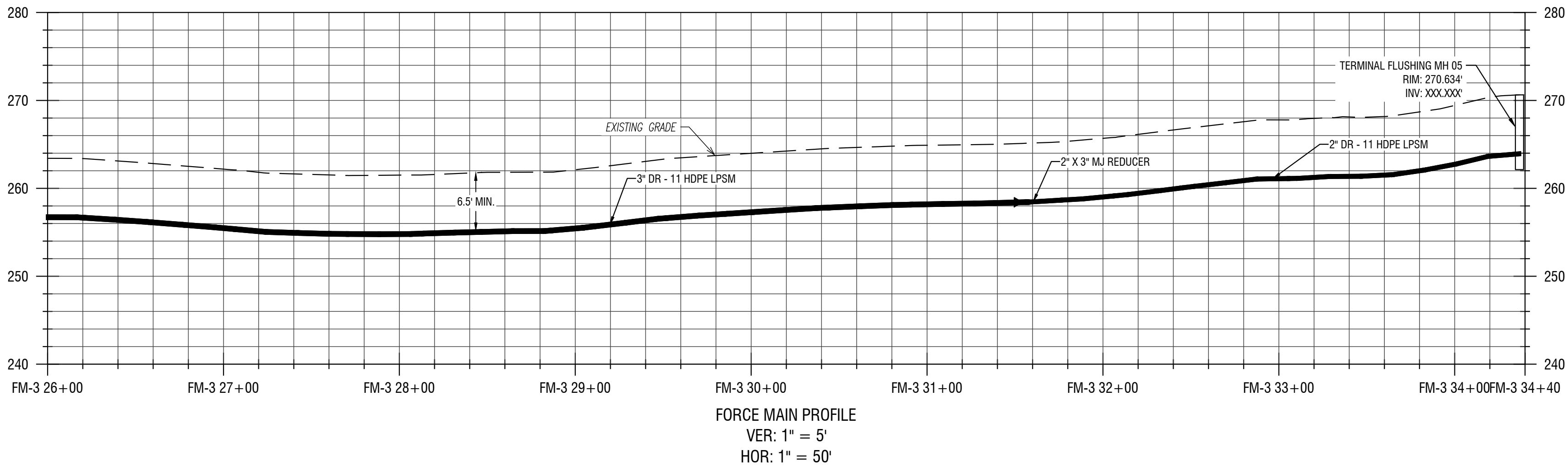
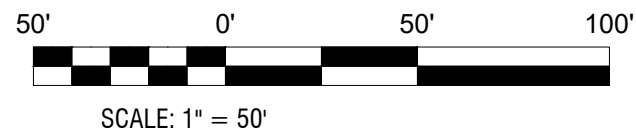
LOW PRESSURE SEWER PLAN
& PROFILES
(BEACHWOOD PARK RD)

DRAWING NUMBER:

C335



1 LOW PRESSURE SEWER PLAN
C335 HORIZ: 1" = 50'



2 LOW PRESSURE SEWER PROFILE
C335 VERT: 1" = 5'
HORIZ: 1" = 50'

NOT FOR CONSTRUCTION

EXP: 12/31/2023 EXP: ##/##/20##

CERTIFICATE OF AUTHORIZATION NUMBER:
PROFESSIONAL ENGINEERING: 095099
LAND SURVEYING: 017976
GEOLOGICAL: 018750

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REDI WASTEWATER
INFRASTRUCTURE
(CONTRACT 1)

TOWN OF KENDALL & TOWN OF HAMLIN

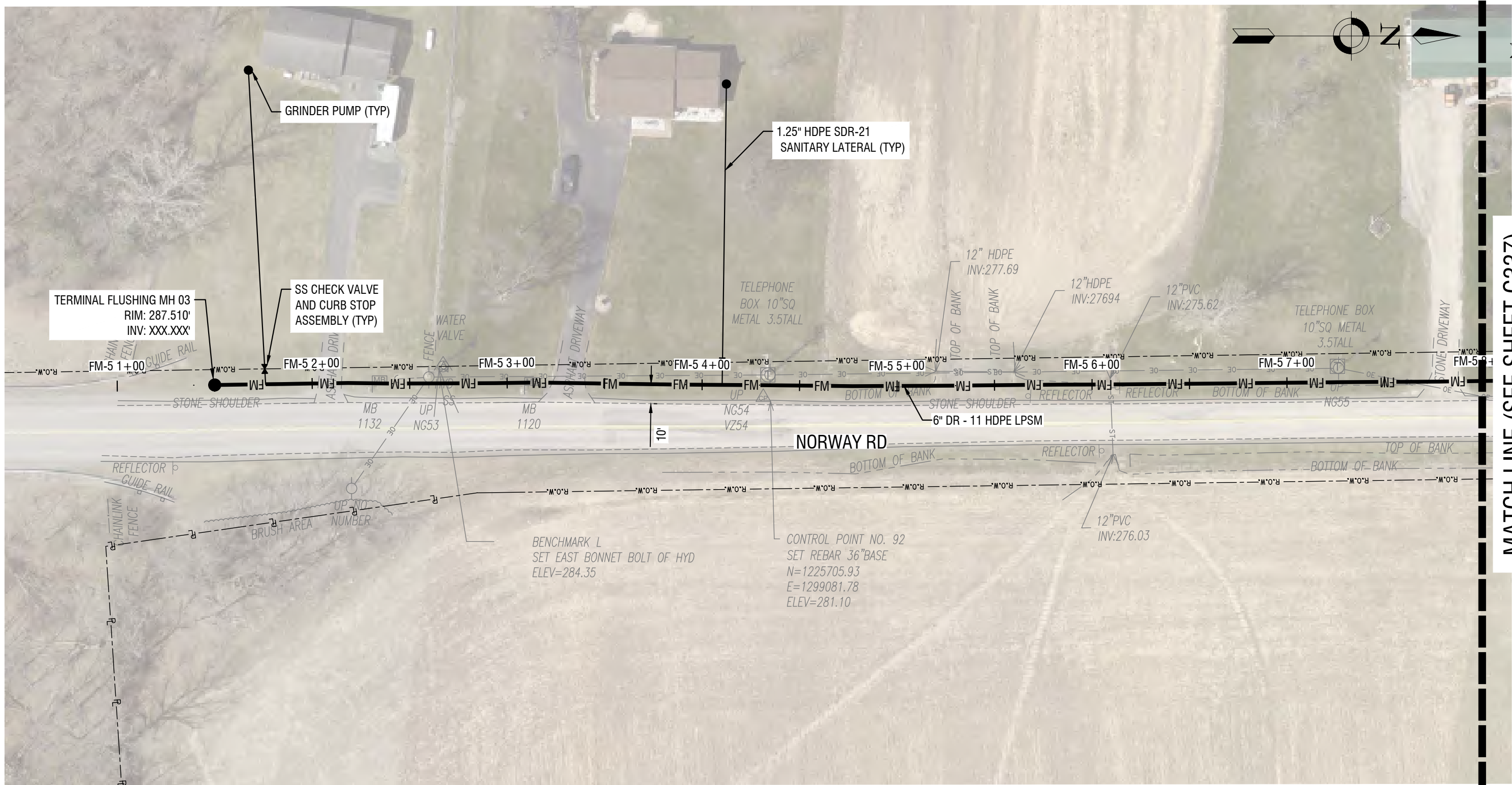
NO:	DATE:	DESCRIPTION:
Revisions		

PROJECT NUMBER:	2200455
DRAWN BY:	JCB
REVIEWED BY:	JRE
ISSUED FOR:	60% DESIGN SUBMISSION
DATE:	SEPTEMBER 2023
DRAWING NAME:	

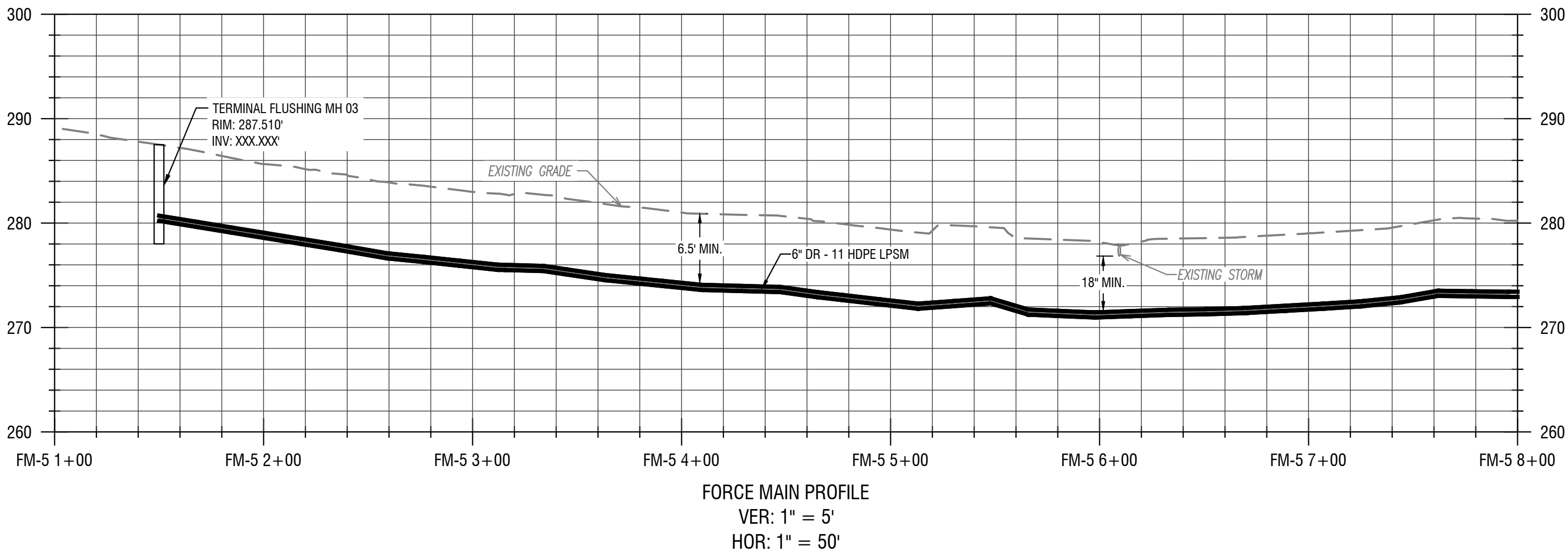
LOW PRESSURE SEWER PLAN
& PROFILES
(NORWAY RD)

DRAWING NUMBER:

C336



1
C336
LOW PRESSURE SEWER PLAN
HORIZ: 1" = 50'



2
C336
LOW PRESSURE SEWER PROFILE
VERT: 1" = 5'
HORIZ: 1" = 50'

- KEY NOTES
- GRINDER PUMPS WITH REMOTE VENTING
 - INSTALL ALARM PANEL (FURNISHED BY OWNER), MOUNTED TO HOUSE
 - INSTALL ALARM PANEL (FURNISHED BY OWNER), MOUNTED TO POST
 - PROVIDE ONE 3/4" PVC CONDUIT BETWEEN THE PUMP CONTROL / ALARM PANEL & THE GRINDER PUMP. INSTALL ELECTRICAL SUPPLY CABLE (ESO) PROVIDED WITH PUMP - CONNECT TO GRINDER PUMP AND CONTROL / ALARM PANEL.

NOT FOR CONSTRUCTION

EXP: 12/31/2023 EXP: ##/##/20##

CERTIFICATE OF AUTHORIZATION NUMBER:
PROFESSIONAL ENGINEERING: 095099
LAND SURVEYING: 017976
GEOLOGICAL: 018750

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REDI WASTEWATER
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(CONTRACT 1)

TOWN OF KENDALL & TOWN OF HAMLIN

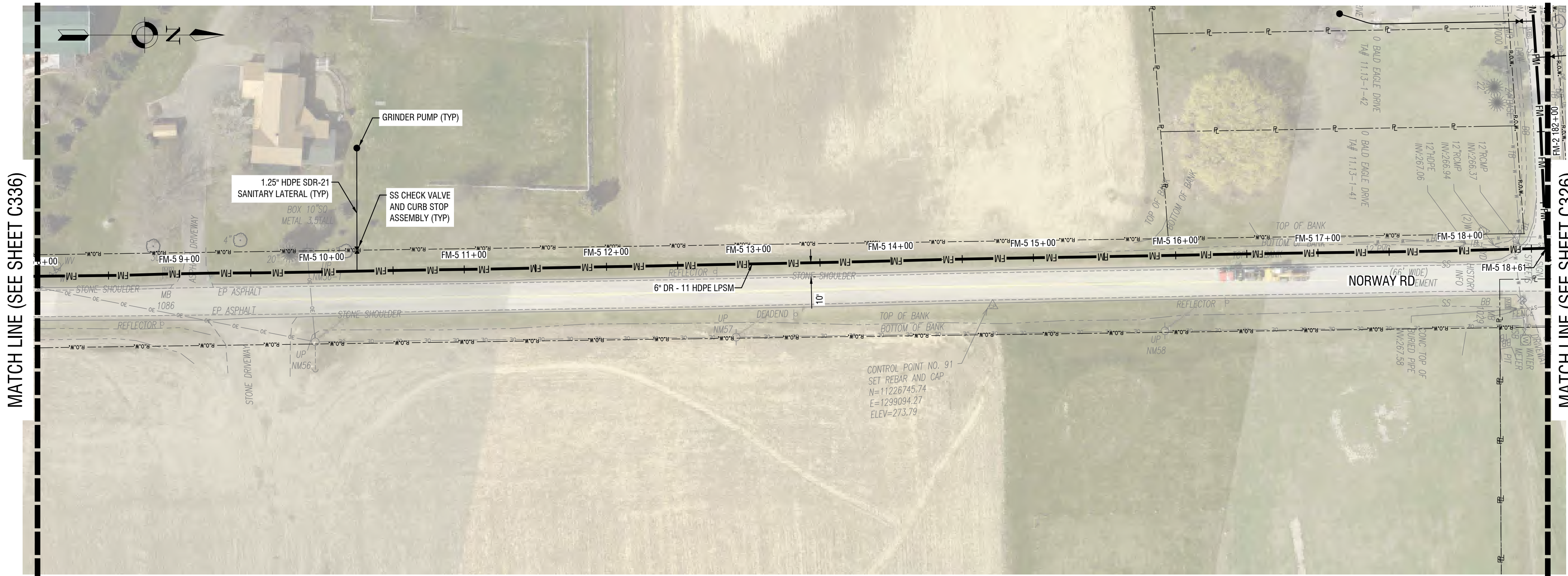
NO:	DATE:	DESCRIPTION:
Revisions		

PROJECT NUMBER:	2200455
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REVIEWED BY:	JRE
ISSUED FOR:	60% DESIGN SUBMISSION
DATE:	SEPTEMBER 2023
DRAWING NAME:	

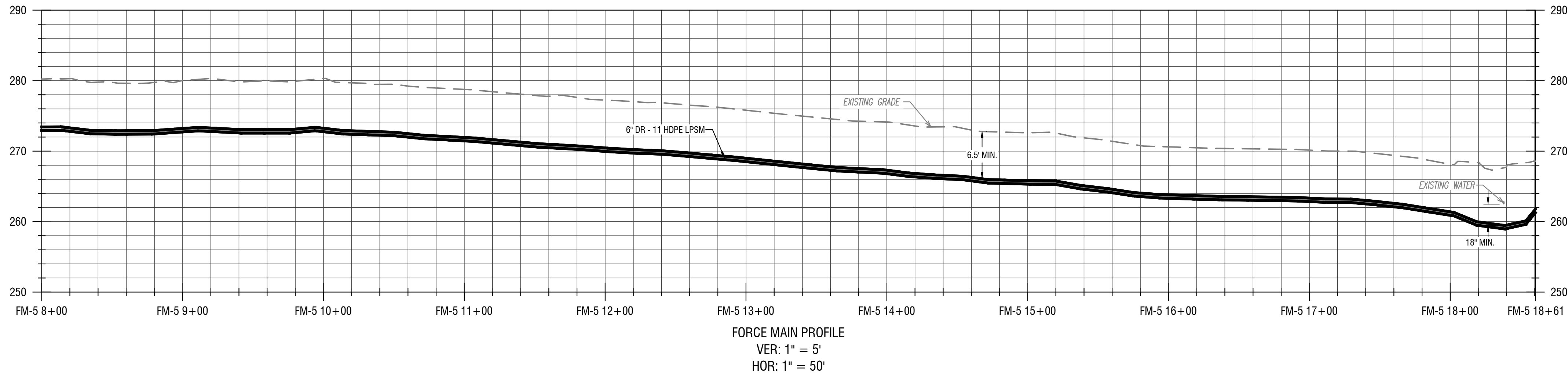
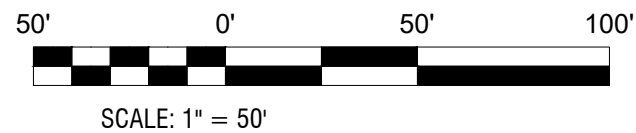
LOW PRESSURE SEWER PLAN
& PROFILES
(NORWAY RD)

DRAWING NUMBER:

C337



1
C337
LOW PRESSURE SEWER PLAN
HORIZ: 1" = 50'



2
C337
LOW PRESSURE SEWER PROFILE
VERT: 1" = 5'
HORIZ: 1" = 50'

- KEY NOTES
- GRINDER PUMPS WITH REMOTE VENTING
 - INSTALL ALARM PANEL (FURNISHED BY OWNER), MOUNTED TO HOUSE
 - INSTALL ALARM PANEL (FURNISHED BY OWNER), MOUNTED TO POST
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**REDI WASTEWATER
INFRASTRUCTURE
(CONTRACT 1)**

TOWN OF KENDALL & TOWN OF HAMLIN

NO.	DATE:	DESCRIPTION:
Revisions		

PROJECT NUMBER: 2200455

DRAWN BY: JCB

REVIEWED BY: JRE

ISSUED FOR: 60% DESIGN SUBMISSION

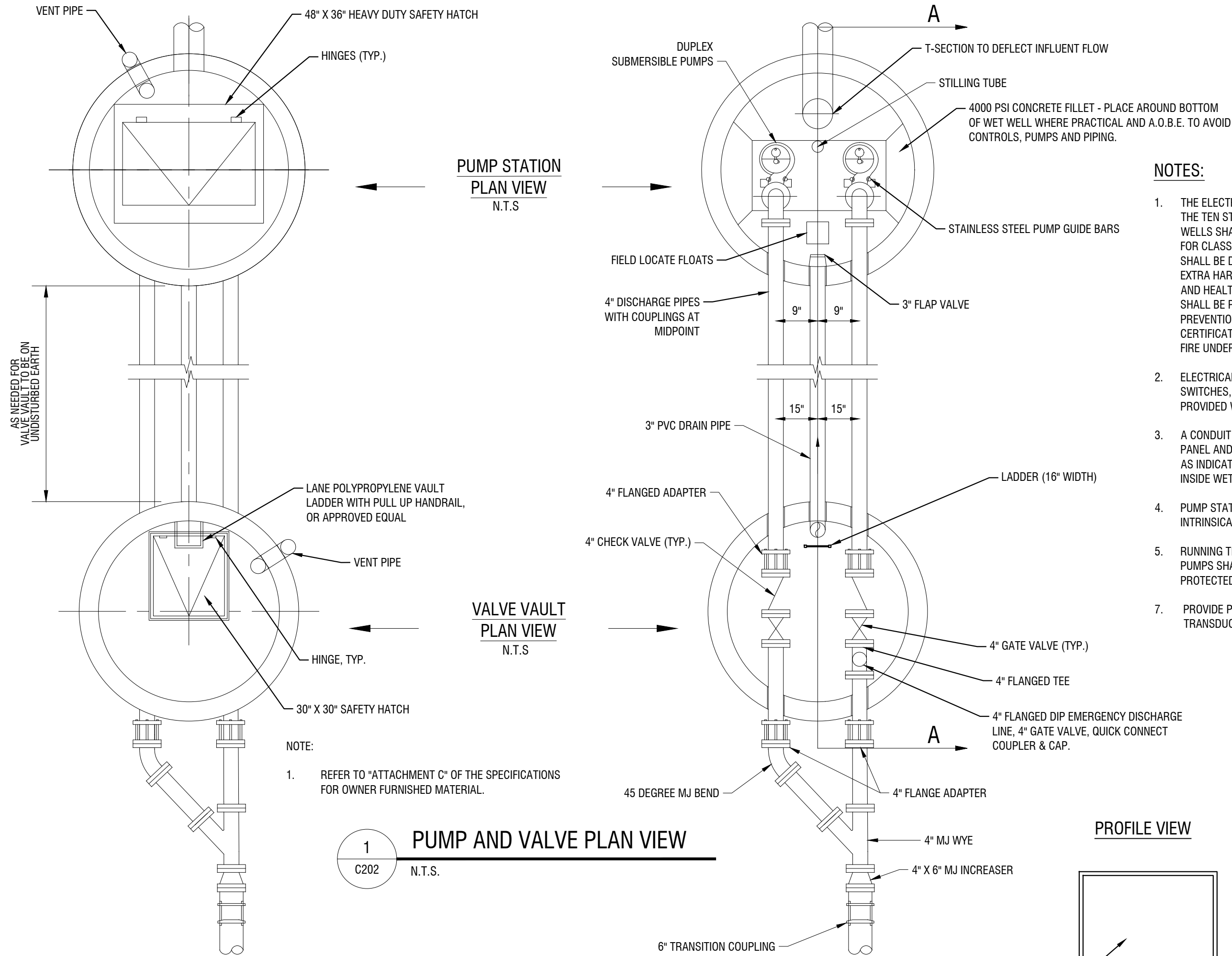
DATE: SEPTEMBER 2023

DRAWING NAME:

**PUMP STATION 01
DETAILS**

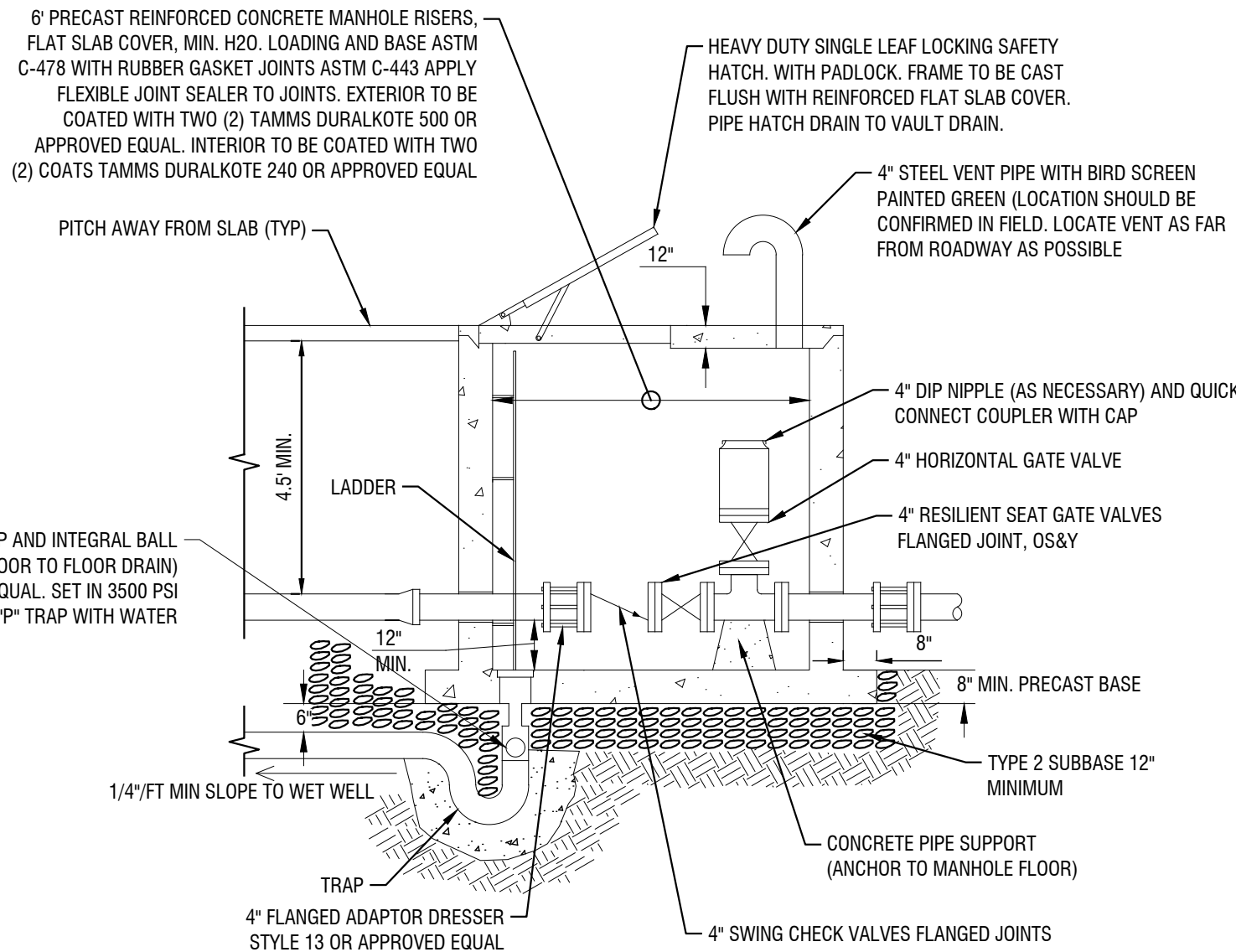
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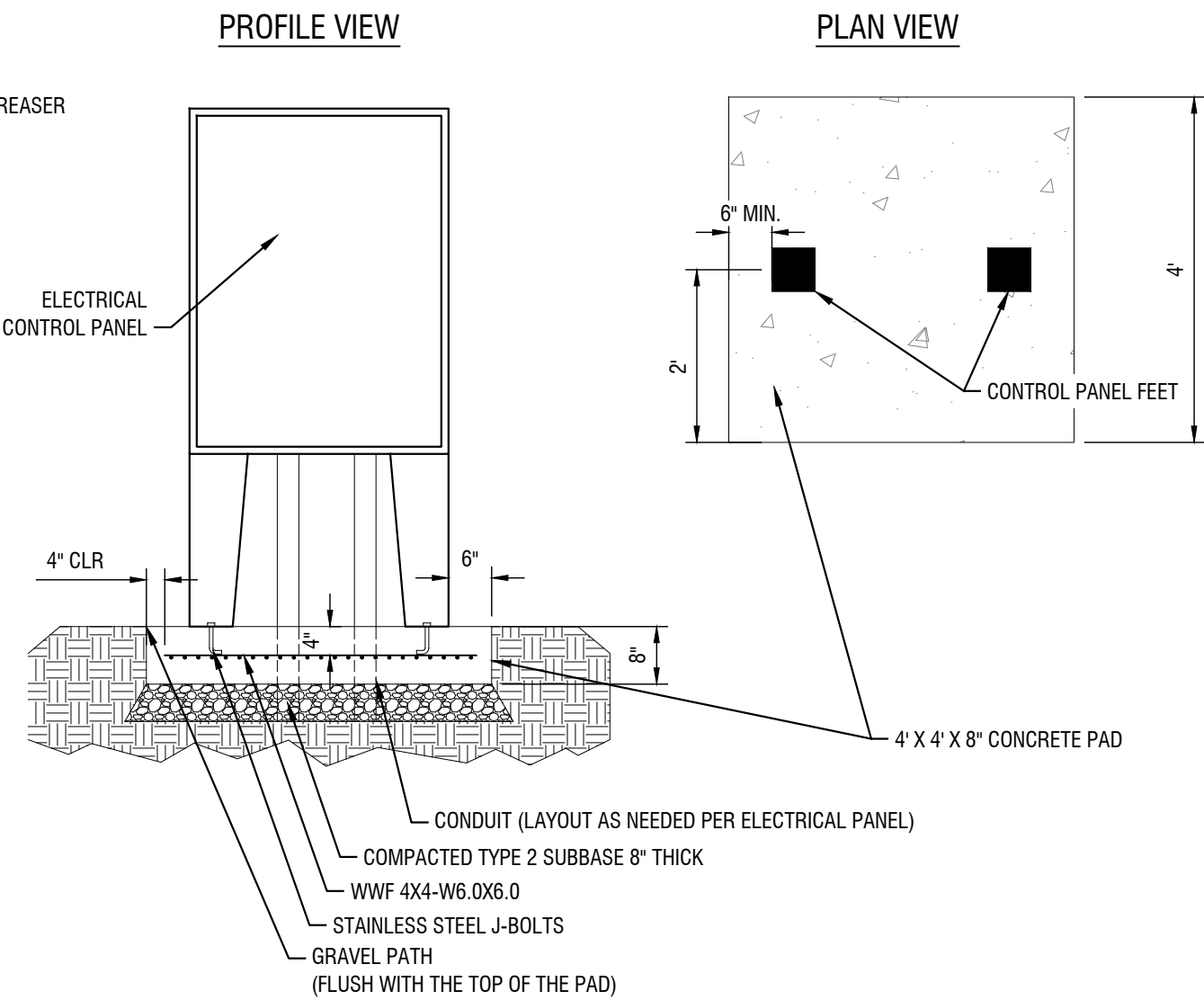


NOTES:

- THE ELECTRICAL EQUIPMENT SHALL COMPLY WITH 42.35, 44.31, 44.32, & 44.33 OF THE TEN STATE STANDARDS. ALL ELECTRICAL EQUIPMENT IN RAW SEWAGE WET WELLS SHALL COMPLY WITH THE NATIONAL ELECTRICAL CODE REQUIREMENTS FOR CLASS 1 GROUP D, DIVISION 1 LOCATIONS. PUMP MOTOR POWER CORDS SHALL BE DESIGNED FOR FLEXIBILITY AND SERVICEABILITY UNDER CONDITIONS OF EXTRA HARD USAGE AND SHALL MEET THE REQUIREMENTS OF THE MINE SAFETY AND HEALTH ADMINISTRATION FOR TRAILING CABLES. ALL ELECTRICAL WORK SHALL BE PERFORMED IN COMPLIANCE WITH THE N.Y. STATE UNIFORM FIRE PREVENTION AND BUILDING CODE AND ALL APPLICABLE LOCAL CODES. A CERTIFICATE OF APPROVAL SHALL BE OBTAINED FROM THE N.Y. STATE BOARD OF FIRE UNDERWRITERS, AND TRANSMITTED TO THE OWNER.
- ELECTRICAL CONTROLS TO BE UNDERWRITERS APPROVED AND ALL BUTTONS, SWITCHES, ETC. SHALL BE ENCLOSED WITHIN THE PANELS. PANELS TO BE PROVIDED WITH LOCKING HASP.
- A CONDUIT SEAL MUST BE PROVIDED ON THE CONDUIT BETWEEN THE CONTROL PANEL AND JUNCTION BOX, IN ACCORDANCE WITH THE NATIONAL ELECTRIC CODE AS INDICATED IN THE TEN STATE STANDARDS. NO SPLICES WILL BE PERMITTED INSIDE WET WELL.
- PUMP STATION WET WELL FLOATS AND PRESSURE TRANSDUCER SHALL BE INTRINSICALLY SAFE.
- RUNNING TIME METERS FOR PUMPS SHALL BE INSTALLED IN CONTROL PANEL. PUMPS SHALL BE CAPABLE OF RUNNING DRY WITHOUT DAMAGE OR BE PROTECTED AGAINST SUCH CONDITIONS.
- PROVIDE PVC STILLING WELL WITH STAINLESS STEEL BRACKETS FOR TRANSDUCERS.



2 VALVE VAULT SECTION
C202 N.T.S.

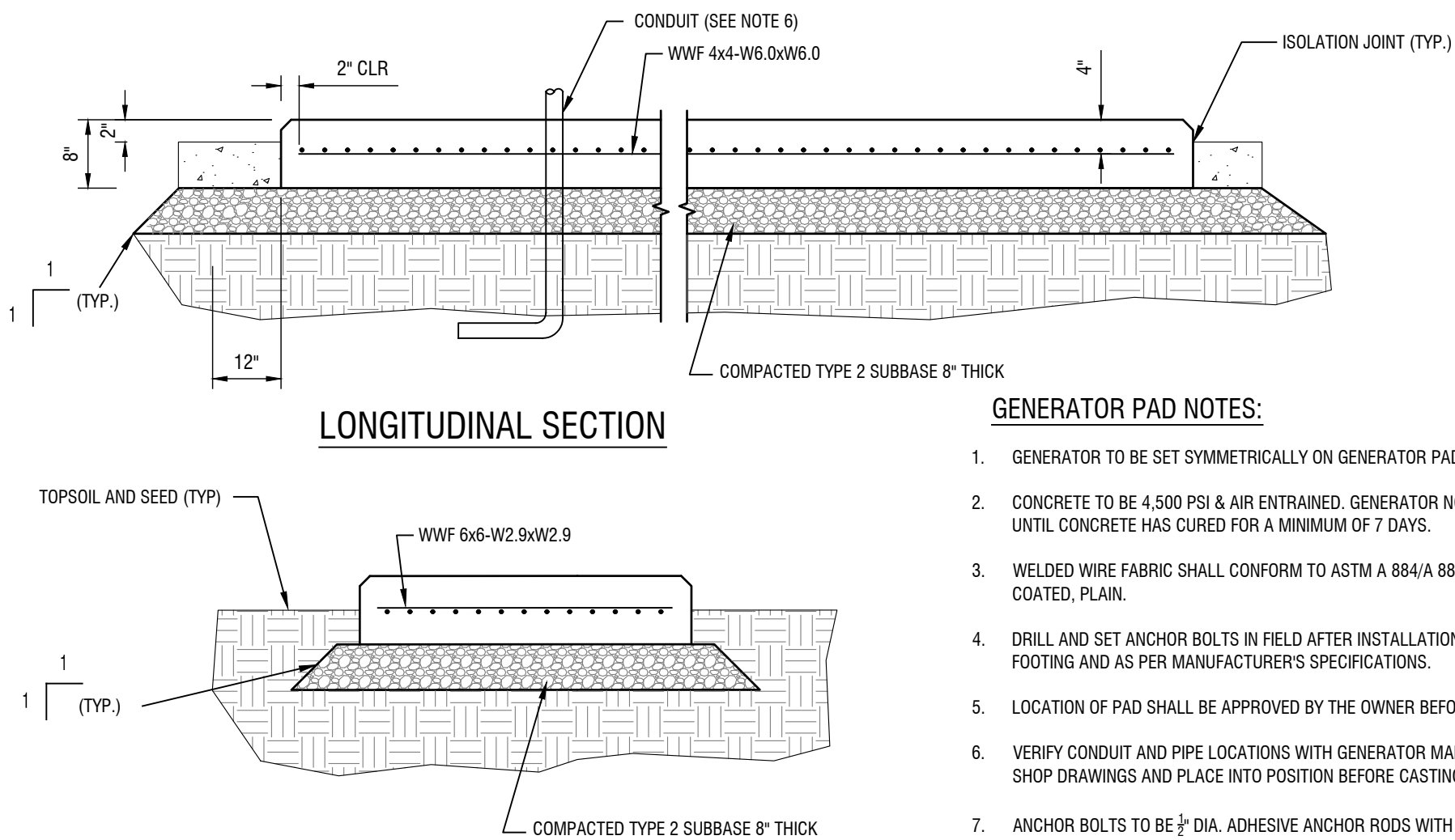


CONTROL PANEL NOTES:

- CONTROL PANEL TO BE SET SYMMETRICALLY ON CONCRETE PAD.
- CONCRETE TO BE 4,500 PSI & AIR ENTRAINED. CONTROL PANEL NOT TO BE INSTALLED UNTIL CONCRETE HAS CURED FOR A MINIMUM OF 7 DAYS.
- WELDED WIRE FABRIC SHALL CONFORM TO ASTM A 884/A 884M, CLASS A COATED, PLAIN.
- VERIFY ANCHOR BOLT LOCATIONS TO INSURE CONFORMANCE WITH THE PANEL.
- VERIFY CONDUIT AND PIPE LOCATIONS WITH CONTROL PANEL MANUFACTURER'S SHOP DRAWINGS AND PLACE INTO POSITION BEFORE CASTING CONCRETE PAD.
- REINFORCEMENT BARS SHALL CONFORM TO ASTM A615, GRADE 60.
- VERIFY DIMENSIONS WITH GENERATOR PHYSICAL DIMENSIONS AND ADJUST ACCORDINGLY.

CONTROL PANEL

N.T.S.

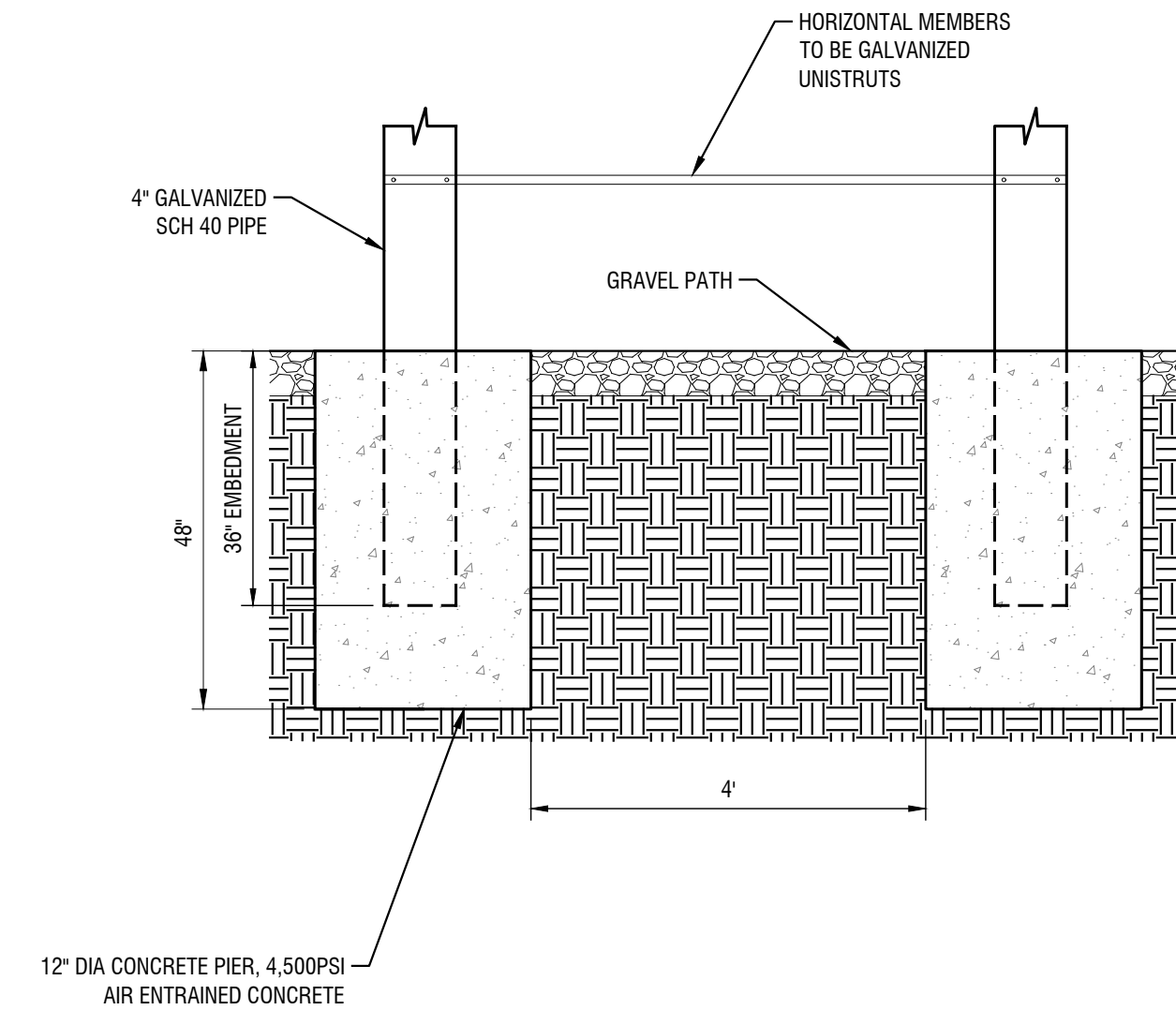


GENERATOR PAD NOTES:

- GENERATOR TO BE SET SYMMETRICALLY ON GENERATOR PAD.
- CONCRETE TO BE 4,500 PSI & AIR ENTRAINED. GENERATOR NOT TO BE INSTALLED UNTIL CONCRETE HAS CURED FOR A MINIMUM OF 7 DAYS.
- WELDED WIRE FABRIC SHALL CONFORM TO ASTM A 884/A 884M, CLASS A COATED, PLAIN.
- DRILL AND SET ANCHOR BOLTS IN FIELD AFTER INSTALLATION OF GENERATOR ON FOOTING AND AS PER MANUFACTURER'S SPECIFICATIONS.
- LOCATION OF PAD SHALL BE APPROVED BY THE OWNER BEFORE CONSTRUCTION.
- VERIFY CONDUIT AND PIPE LOCATIONS WITH GENERATOR MANUFACTURER'S SHOP DRAWINGS AND PLACE INTO POSITION BEFORE CASTING CONCRETE PAD.
- ANCHOR BOLTS TO BE 1/2" DIA. ADHESIVE ANCHOR RODS WITH 4 1/2" EMBEDMENT DEPTH OR APPROVED EQUAL.
- REINFORCEMENT BARS SHALL CONFORM TO ASTM A615, GRADE 60.
- CONFIRM DIMENSIONS WITH GENERATOR PHYSICAL DIMENSIONS AND ADJUST ACCORDINGLY. PROVIDE A MINIMUM OF 12" CLEAR SPACE (ALL DIRECTIONS) BETWEEN THE EDGE THE GENERATOR AND EDGE OF CONCRETE.

CONCRETE GENERATOR PAD

N.T.S.



ELECTRICAL RACK FOUNDATION NOTES:

- SECURELY FASTEN ALL PANELS.
- ELECTRICAL COMPONENTS MAY NOT BE MOUNTED TO THE RACK UNTIL THE CONCRETE HAS CURED A MINIMUM OF 7 DAYS.
- ALL ELECTRICAL COMPONENTS MUST BE A MINIMUM OF 30" & A MAXIMUM 72" ABOVE THE SURFACE.

ELECTRIC RACK FOUNDATION

N.T.S.

**REDI WASTEWATER
INFRASTRUCTURE
(CONTRACT 1)**

TOWN OF KENDALL & TOWN OF HAMLIN

NO.	DATE:	DESCRIPTION:
Revisions		

PROJECT NUMBER: 2200455

DRAWN BY: JCP

REVIEWED BY: JRE

ISSUED FOR: 60% DESIGN SUBMISSION

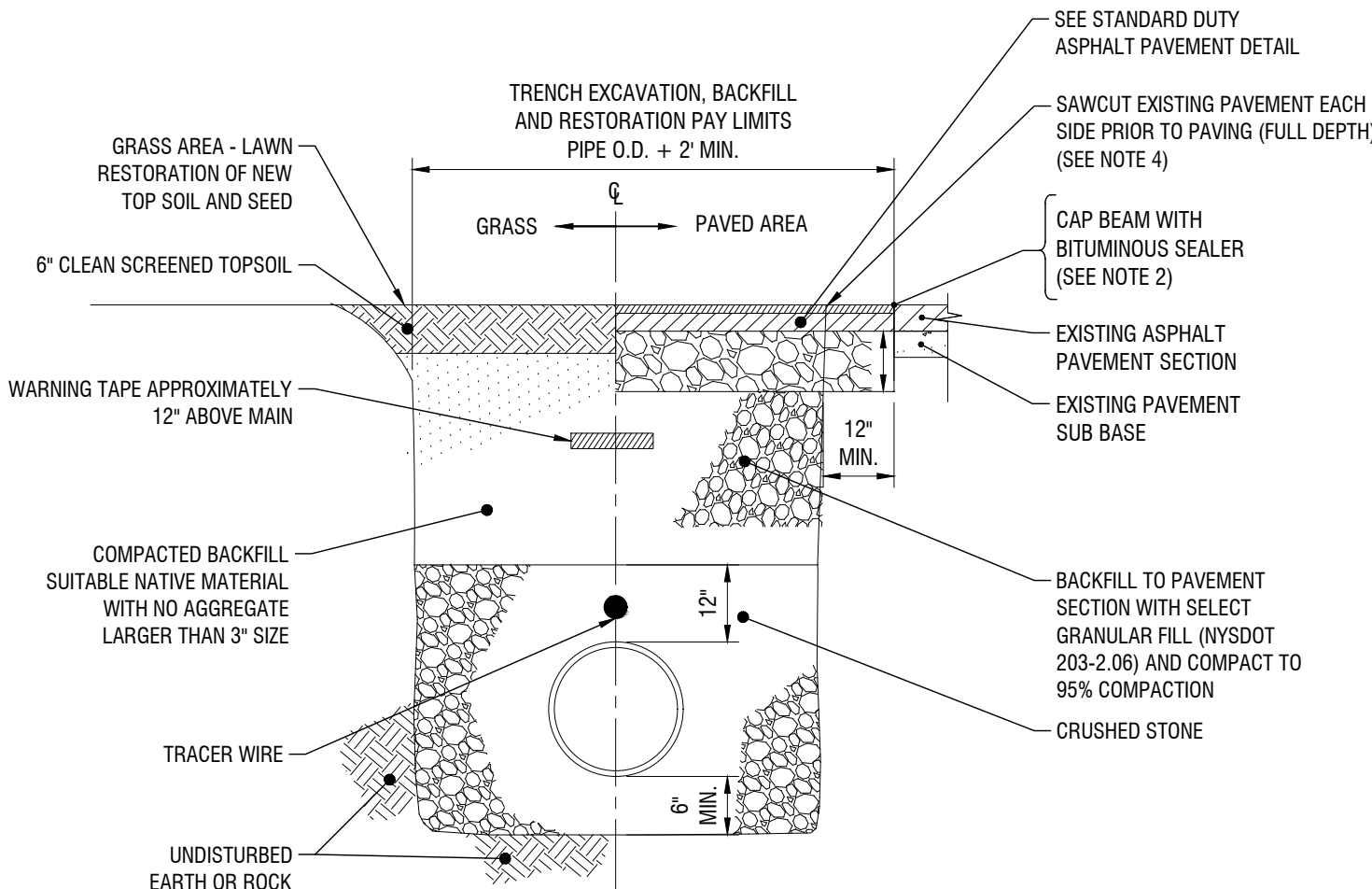
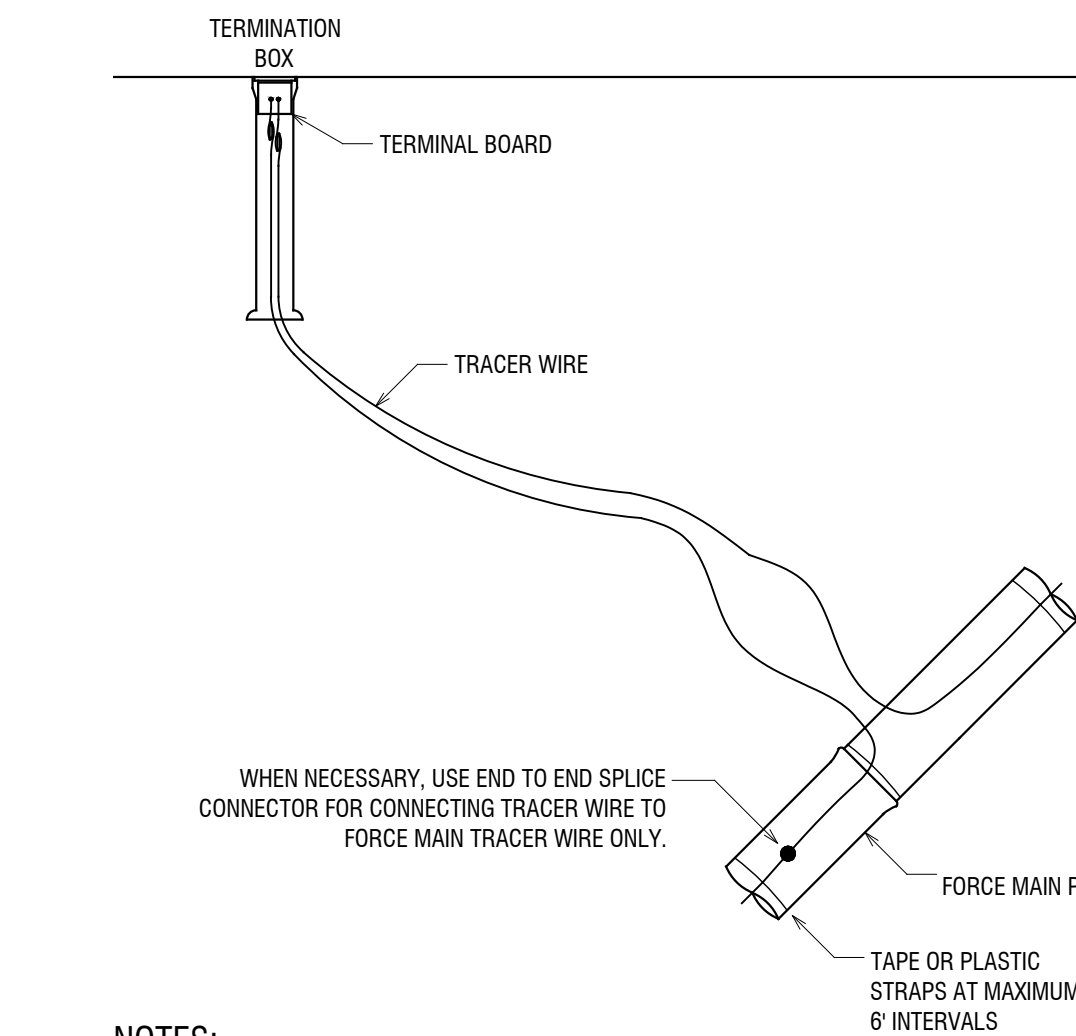
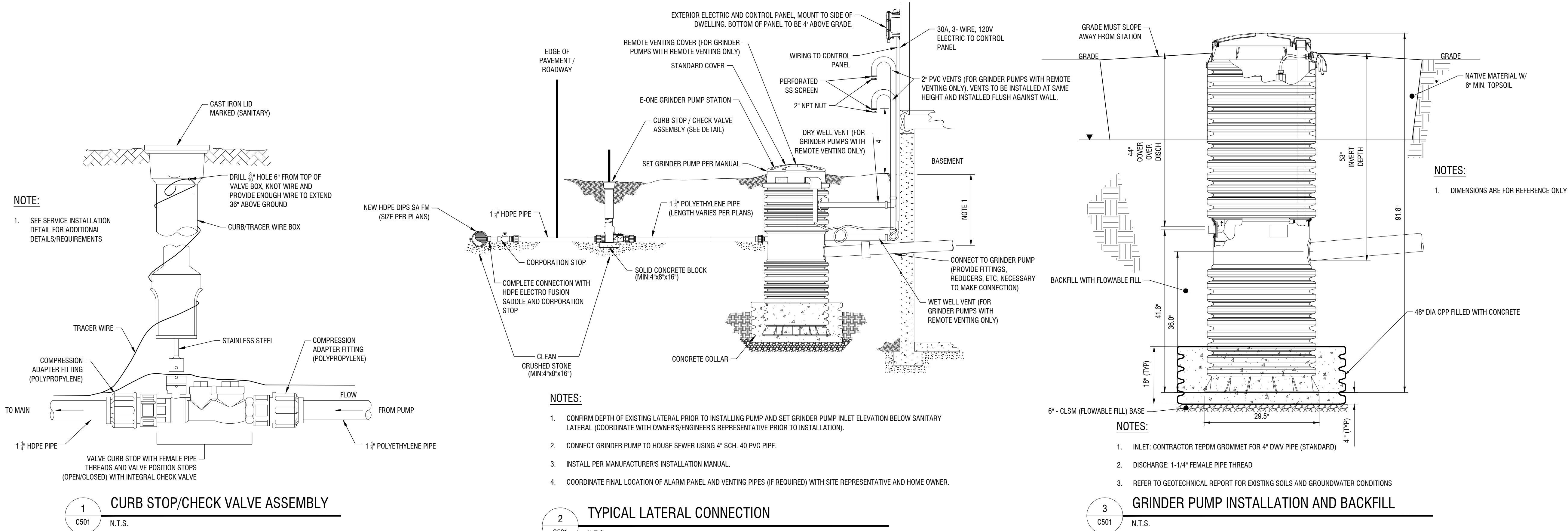
DATE: SEPTEMBER 2023

DRAWING NAME:

CONSTRUCTION DETAILS

DRAWING NUMBER:

C501



NOTE:

1. CONTRACTOR TO PROVIDE SAFE EXCAVATION; SLOPE TRENCH WALLS, USE TRENCH BOX, OR SHEETING AND BRACING PER OSHA SPECIFICATIONS. TRENCH BOX OR SHEETING AND BRACING TO BE LIFTED ABOVE THE SPRING LINE OF PIPE BEFORE BACKFILLING ABOVE SPRING LINE.

TRENCH AND PAVEMENT RESTORATION NOTES:

1. EXISTING PAVEMENT IS TO BE SAW CUT FULL DEPTH TO OBTAIN A STRAIGHT AND NEAT EDGE FOR PAVING. SAW CUT IS TO BE MADE PRIOR TO PAVING AFTER BACKFILLING THE TRENCH TO BOTTOM OF NEW PAVEMENT SECTION.

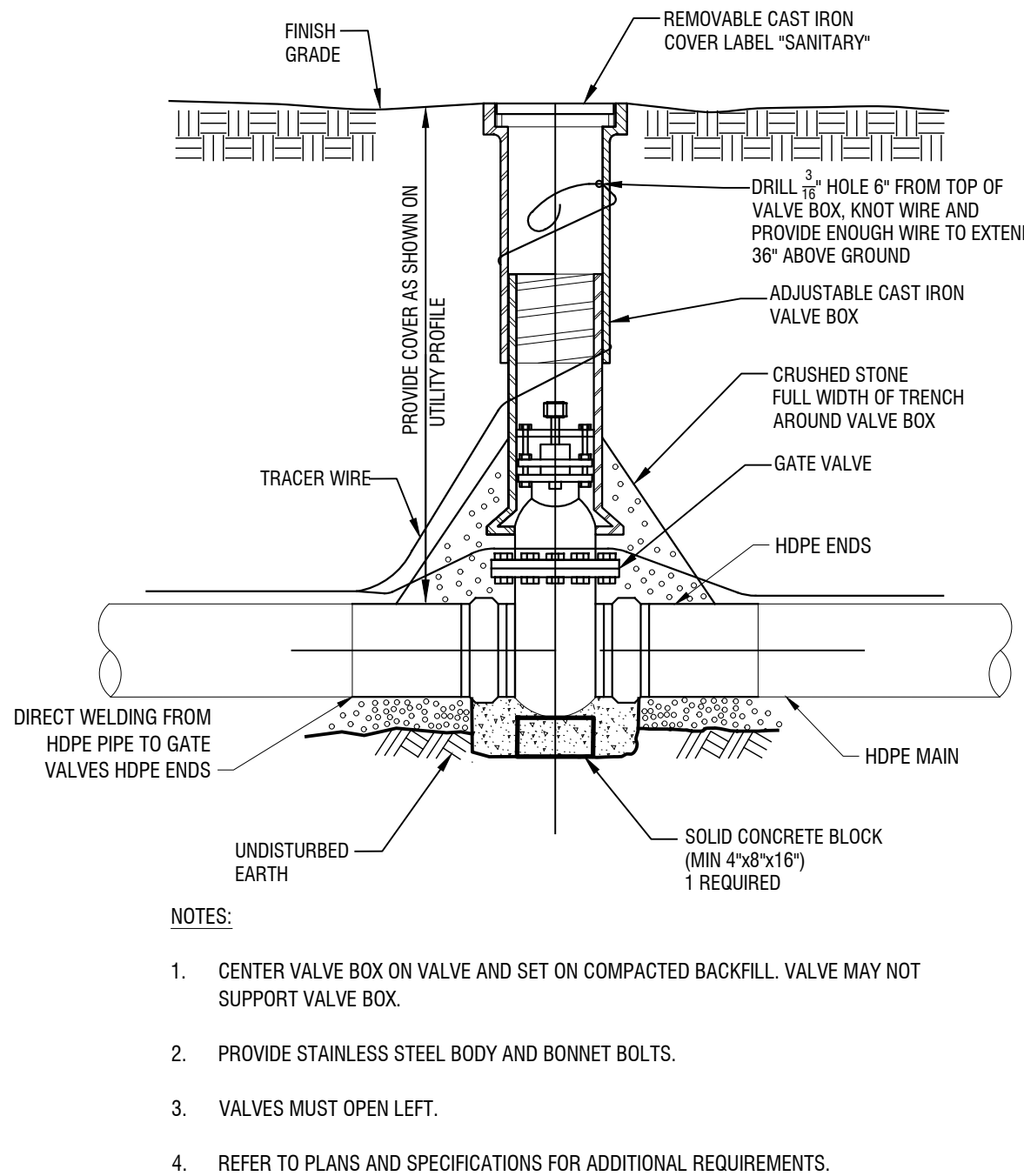
2. ALL SEAMS BETWEEN EXISTING AND NEW SURFACES ARE TO BE SEALED WITH AN ASPHALT FILLER CORRESPONDING TO THE MATERIAL REQUIREMENTS OF NYSDOT MATERIAL DESIGNATION 702-05 OR 702-3401.

3. BOTTOM OF ASPHALT BINDER COURSE SHALL MATCH THE BOTTOM OF OR BE SET BELOW BOTTOM OF THE EXISTING ASPHALT PAVEMENT.

4. SAW CUT 12" OUTSIDE INITIAL SAW CUT, PROVIDING A LEDGE OF UNDISTURBED SUBGRADE A MINIMUM OF 12" IN LENGTH.

5. THE BITUMINOUS SURFACE COURSE SHALL BE 1.5 TIMES THE THICKNESS OF THE EXISTING PAVEMENT, A MINIMUM OF 4.5" INCLUDING A 1.5" TOP WEARING COURSE.

6. WHERE THE THICKNESS OF THE EXISTING PAVEMENT EXCEEDS 4.5", THE DIFFERENCE BETWEEN THE 4.5" AND THE ACTUAL DIMENSION SHALL BE MADE UP WITH AN ASPHALT BASE COURSE.



NOTES:

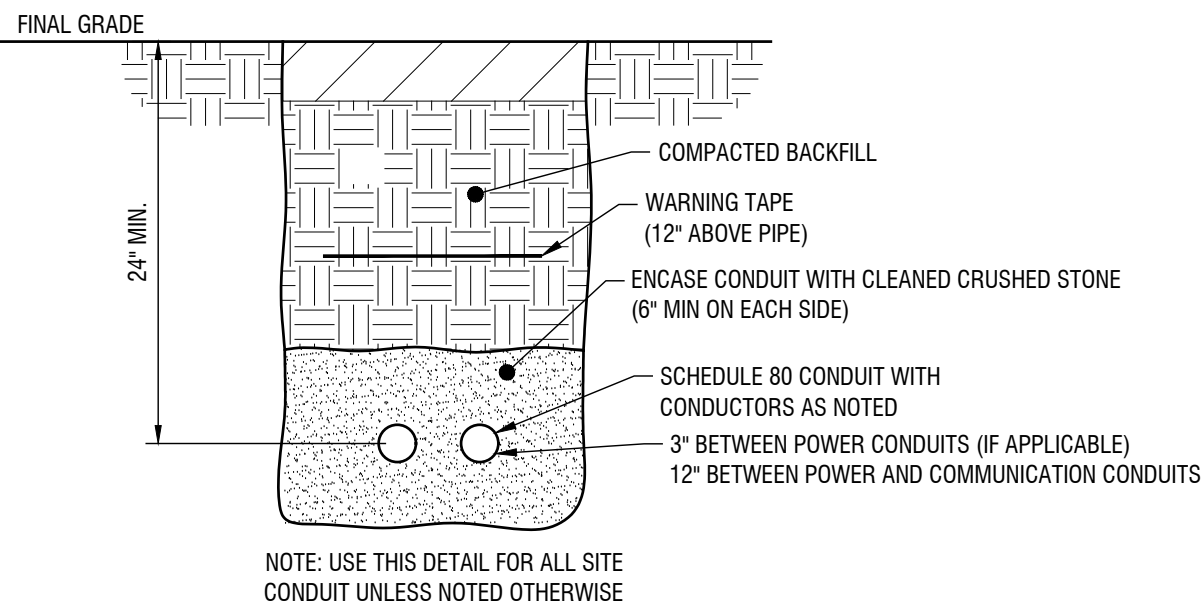
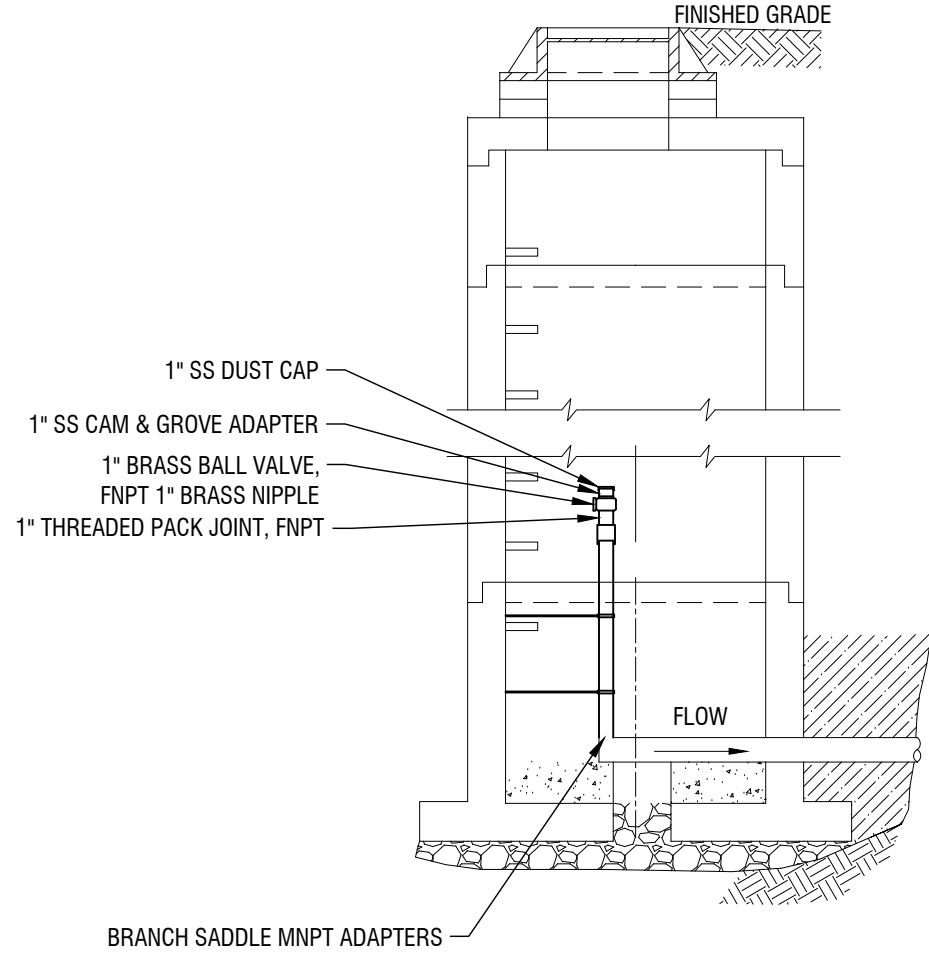
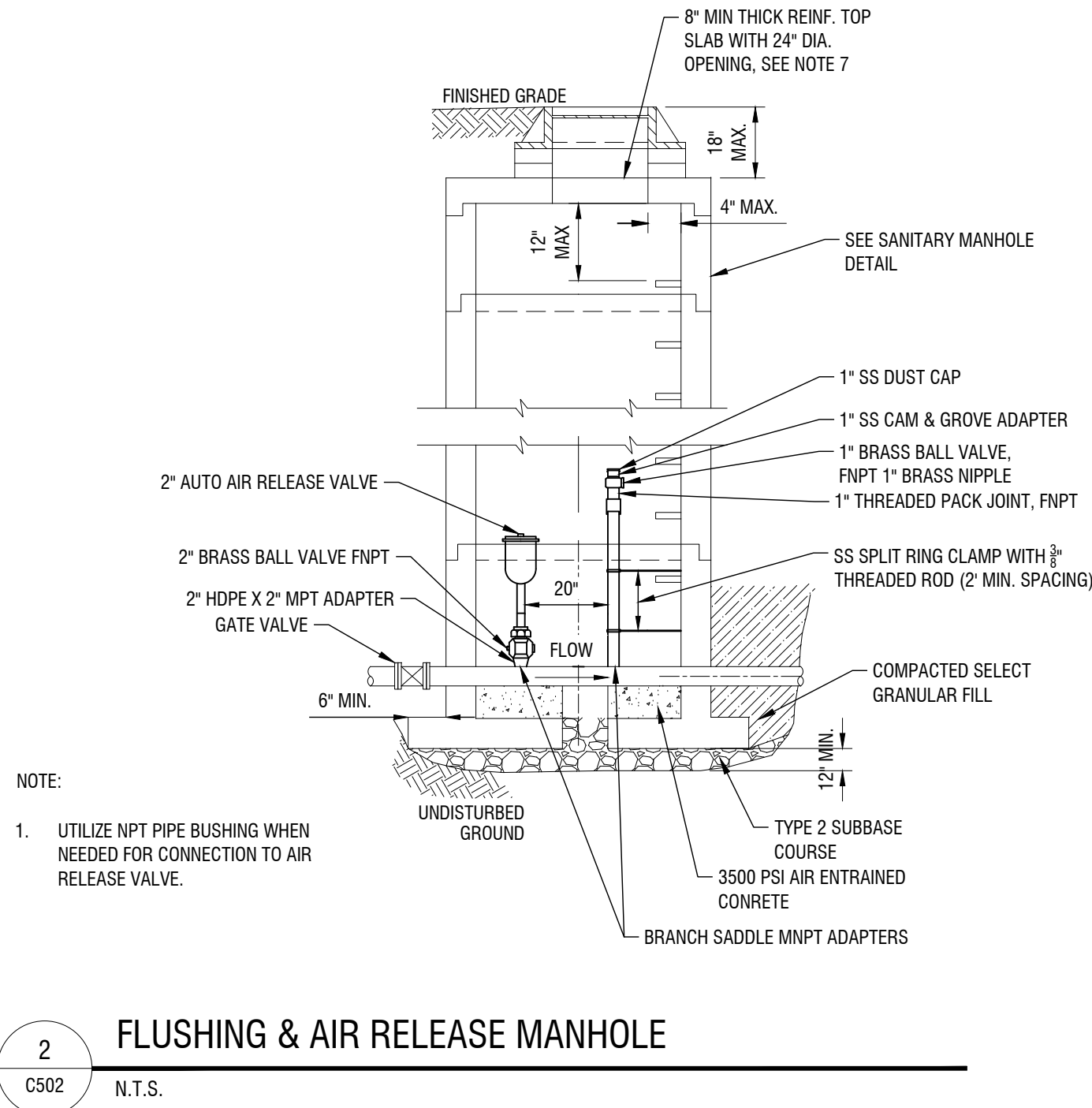
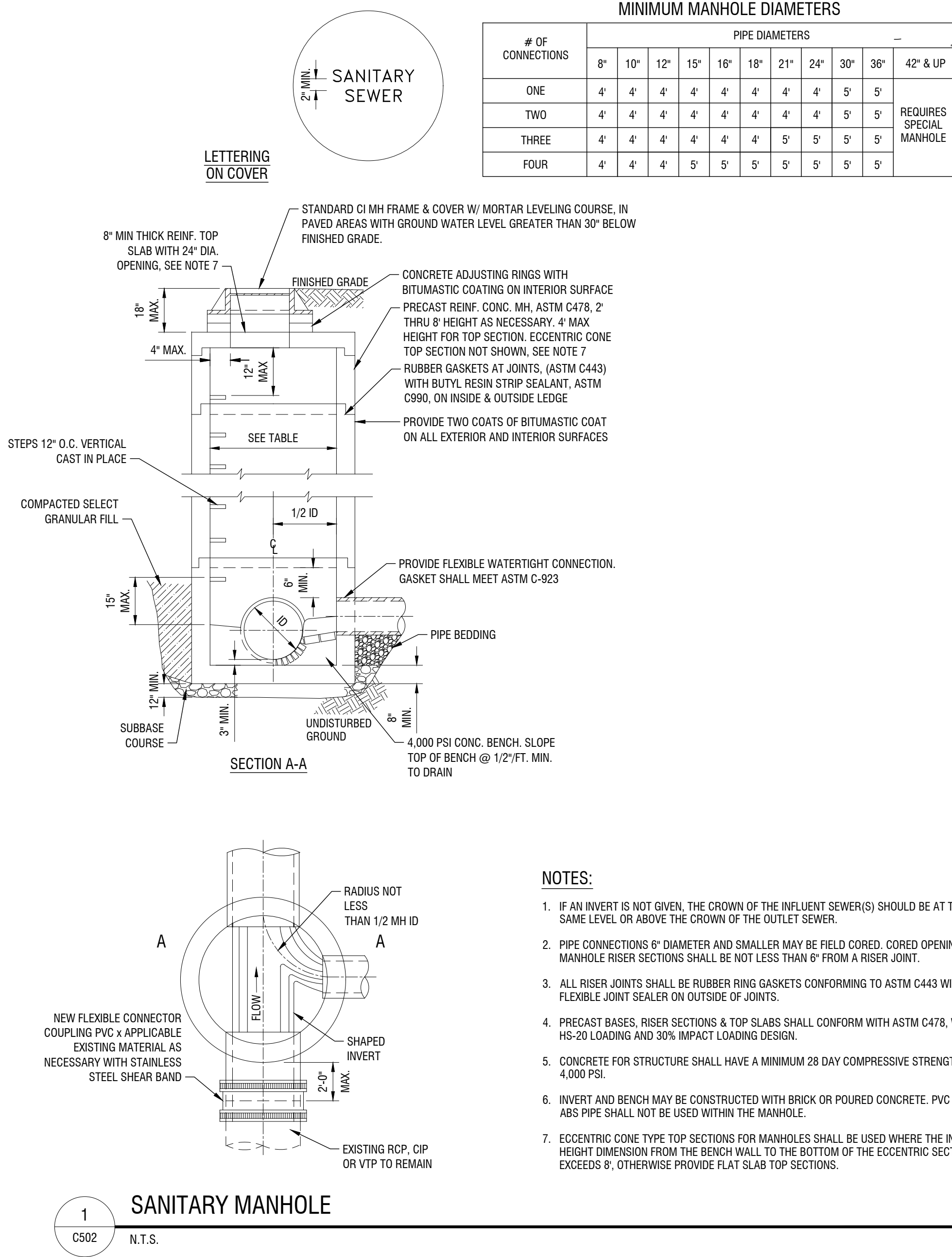
1. CENTER VALVE BOX ON VALVE AND SET ON COMPACTED BACKFILL. VALVE MAY NOT SUPPORT VALVE BOX.

2. PROVIDE STAINLESS STEEL BODY AND BONNET BOLTS.

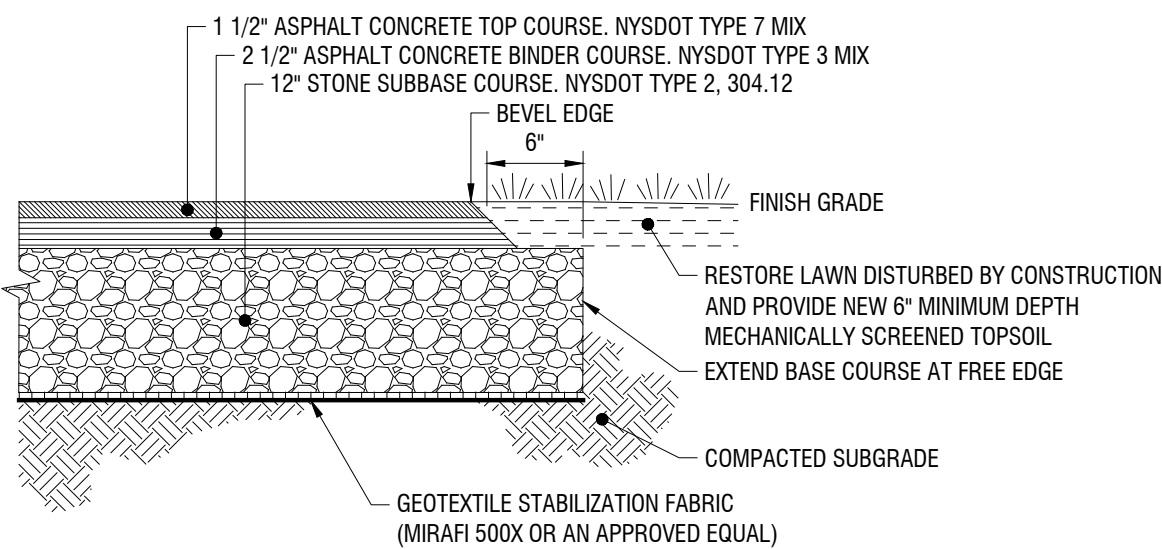
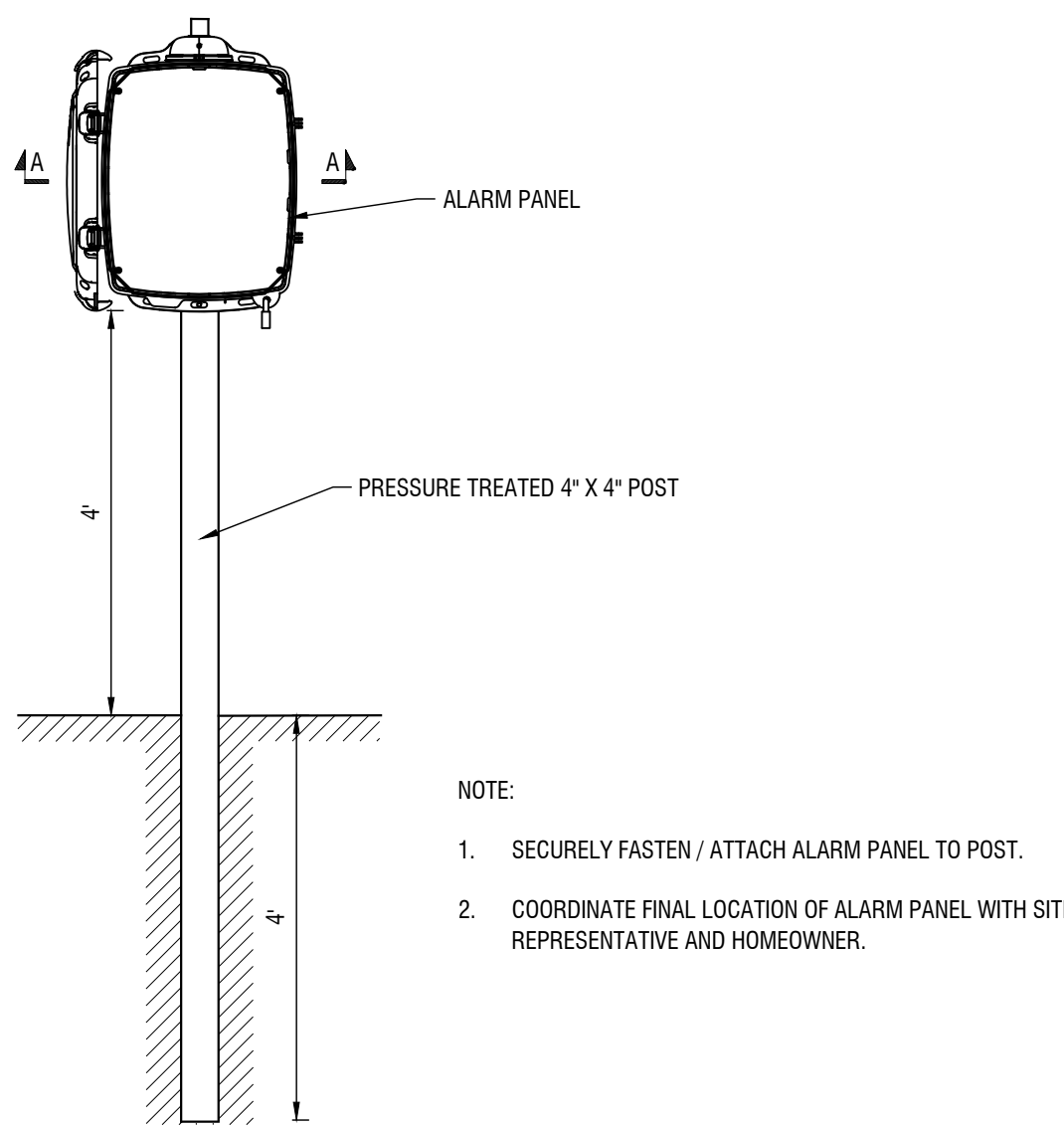
3. VALVES MUST OPEN LEFT.

4. REFER TO PLANS AND SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.

\\cashlab\p\pam7\Kendall_Town\02200455 - REDI Wastewater Infrastructure\Drawings\Civil\01 CONTRACT NO 1 - (LPSM COLLECTION)\C501 - CONSTRUCTION DETAILS.dwg
8/31/2023 8:27:41 AM



TYPICAL DIRECT BURY CONDUIT TRENCH DETAIL



STANDARD DUTY ASPHALT PAVEMENT

300 State Street, Suite 201
Rochester, NY 14614
585-454-6110

labellapc.com

NOT FOR CONSTRUCTION

EXP: 12/31/2023
EXP: ##/##/20##

CERTIFICATE OF AUTHORIZATION NUMBER:
PROFESSIONAL ENGINEERING: 095099
LAND SURVEYING: 017976
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INFRASTRUCTURE
(CONTRACT 1)**

TOWN OF KENDALL & TOWN OF HAMLIN

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Revisions		

PROJECT NUMBER: 2200455

DRAWN BY: JCP

REVIEWED BY: JRE

ISSUED FOR: 60% DESIGN SUBMISSION

DATE: SEPTEMBER 2023

DRAWING NAME:

CONSTRUCTION DETAILS

DRAWING NUMBER:

C502

**REDI WASTEWATER
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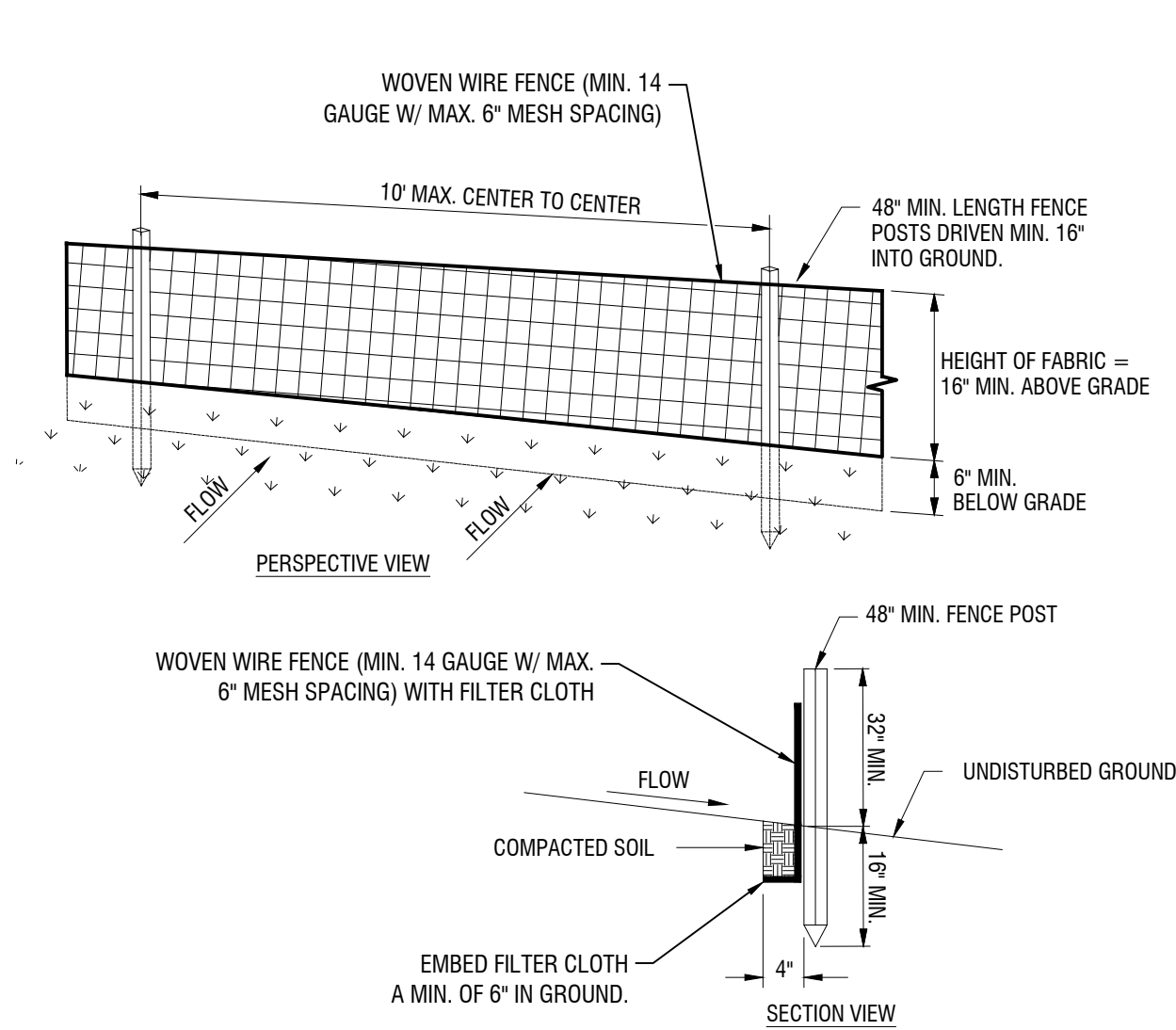
DATE: SEPTEMBER 2023

DRAWING NAME:

CONSTRUCTION DETAILS

DRAWING NUMBER:

C503



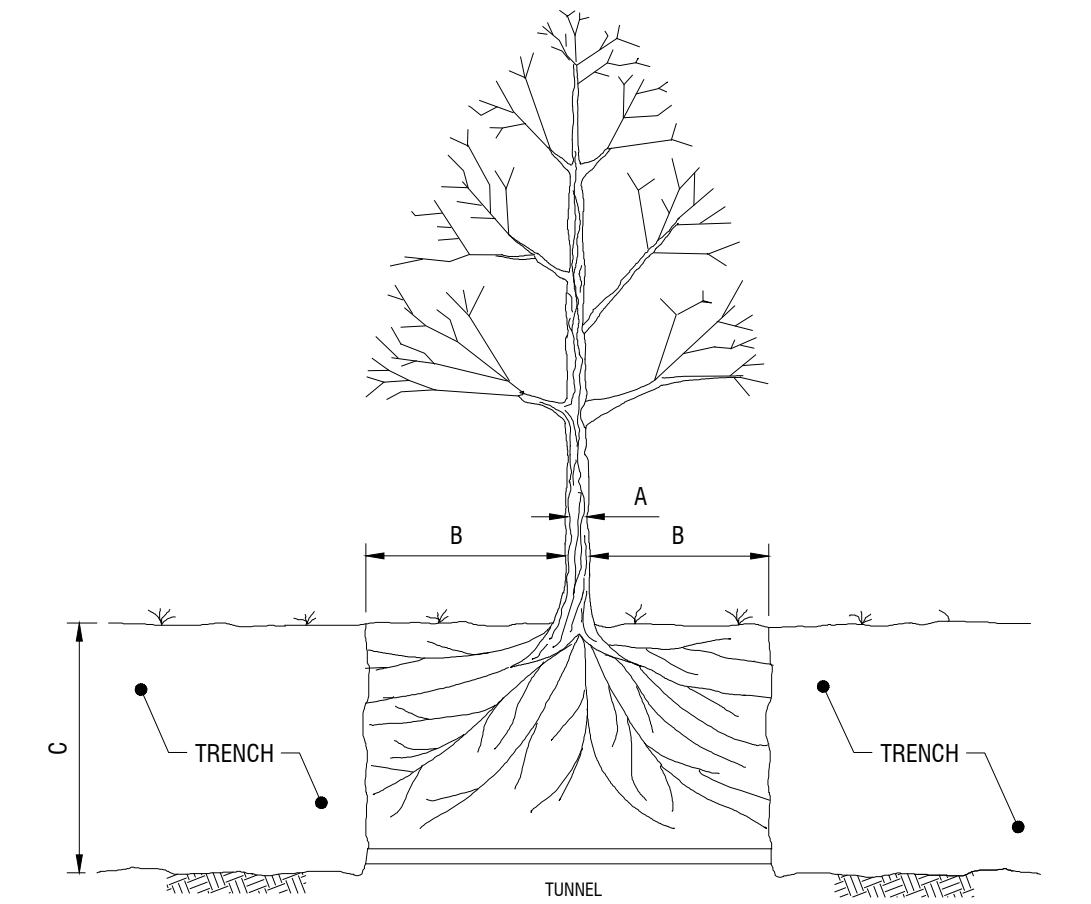
NOTES:

- WOVEN WIRE FENCE TO BE FASTENED SECURELY TO FENCE POSTS WITH WIRE TIES OR STAPLES. POSTS SHALL BE "T" OR "L" TYPE STEEL, OR 1.25" x 1.25" HARDWOOD.
- FILTER CLOTH TO BE TO BE FASTENED SECURELY TO WOVEN WIRE FENCE WITH TIES SPACED EVERY 24" AT TOP AND MID SECTION. FENCE SHALL BE WOVEN WIRE, 14 GAUGE, 6" MAXIMUM MESH OPENING.
- WHEN TWO SECTIONS OF FILTER CLOTH ADJOIN EACH OTHER THEY SHALL BE OVERLAPPED BY SIX INCHES AND FOLDED. FILTER CLOTH SHALL BE MIRAF1 100X OR APPROVED EQUIVALENT.
- PREFABRICATED UNITS SHALL BE GEOFAB, ENVIROFENCE, OR APPROVED EQUIVALENT.
- MAINTENANCE SHALL BE PERFORMED AS NEEDED AND MATERIAL REMOVED WHEN "BULGES" DEVELOP IN THE SILT FENCE.

SYMBOL



1 SILT FENCE
C503 N.T.S.

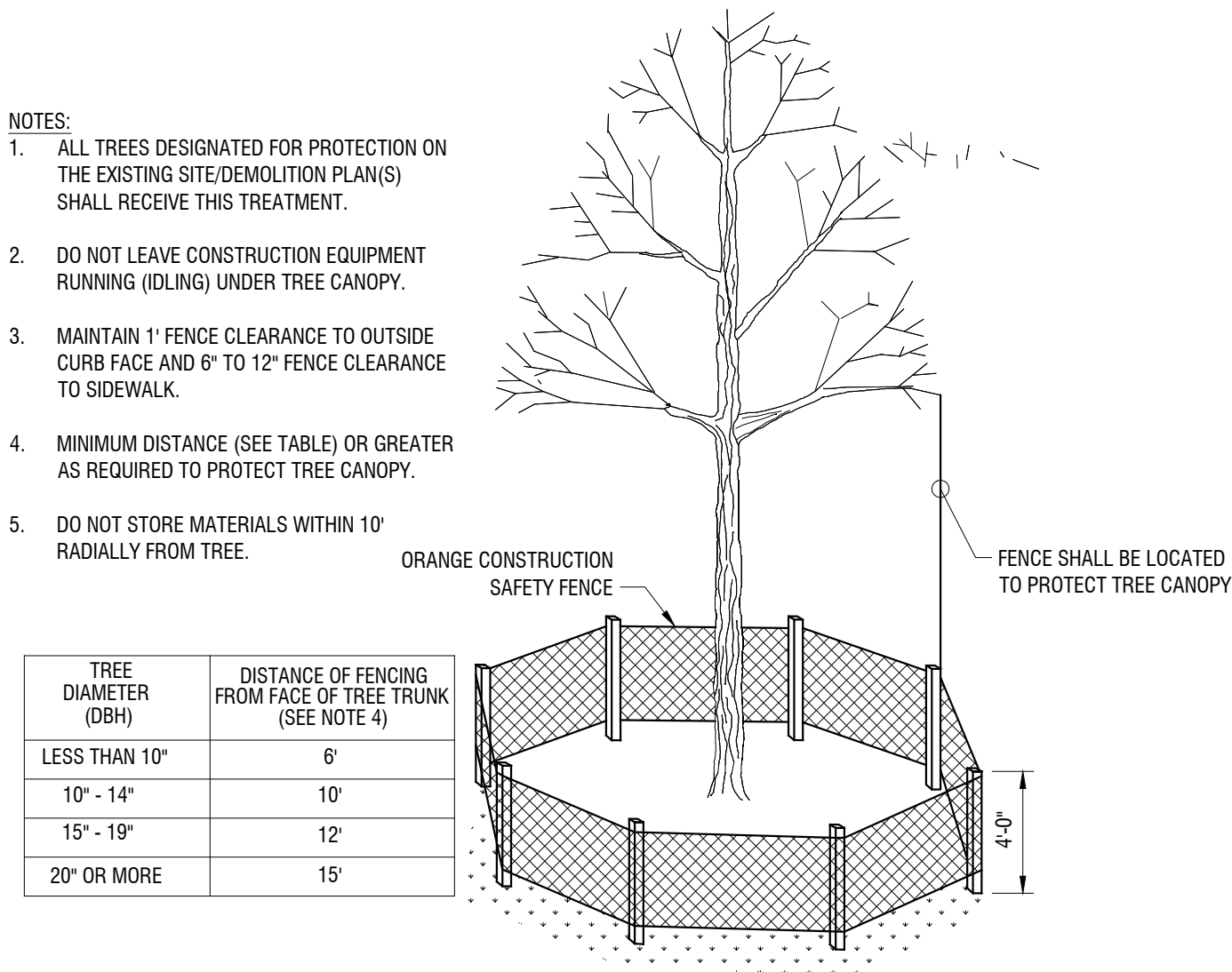


TREE DIAMETER "A" (DBH)	DISTANCE OF TUNNEL AND FENCING FROM FACE OF TREE TRUNK EACH SIDE "B"	RECOMMENDED MIN. DEPTH OF TUNNEL OR TRENCH "C"
LESS THAN 10"	6'	2 1/2'
10" - 14"	10'	3'
15" - 19"	12'	3 1/2'
20" OR MORE	15'	4'

NOTES:

- OPEN TRENCH IN THE ROOT ZONE AREA OF A PUBLIC TREE IS PROHIBITED EXCEPT IN CASES WHERE THE TRENCHING FALLS OUTSIDE THE CANOPY OF THE TREE INVOLVED.
- BEFORE COMMENCING WORK WITHIN THE TREE PROTECTION ZONE - AUTHORIZATION IS REQUIRED FROM THE OWNERS REPRESENTATIVE.

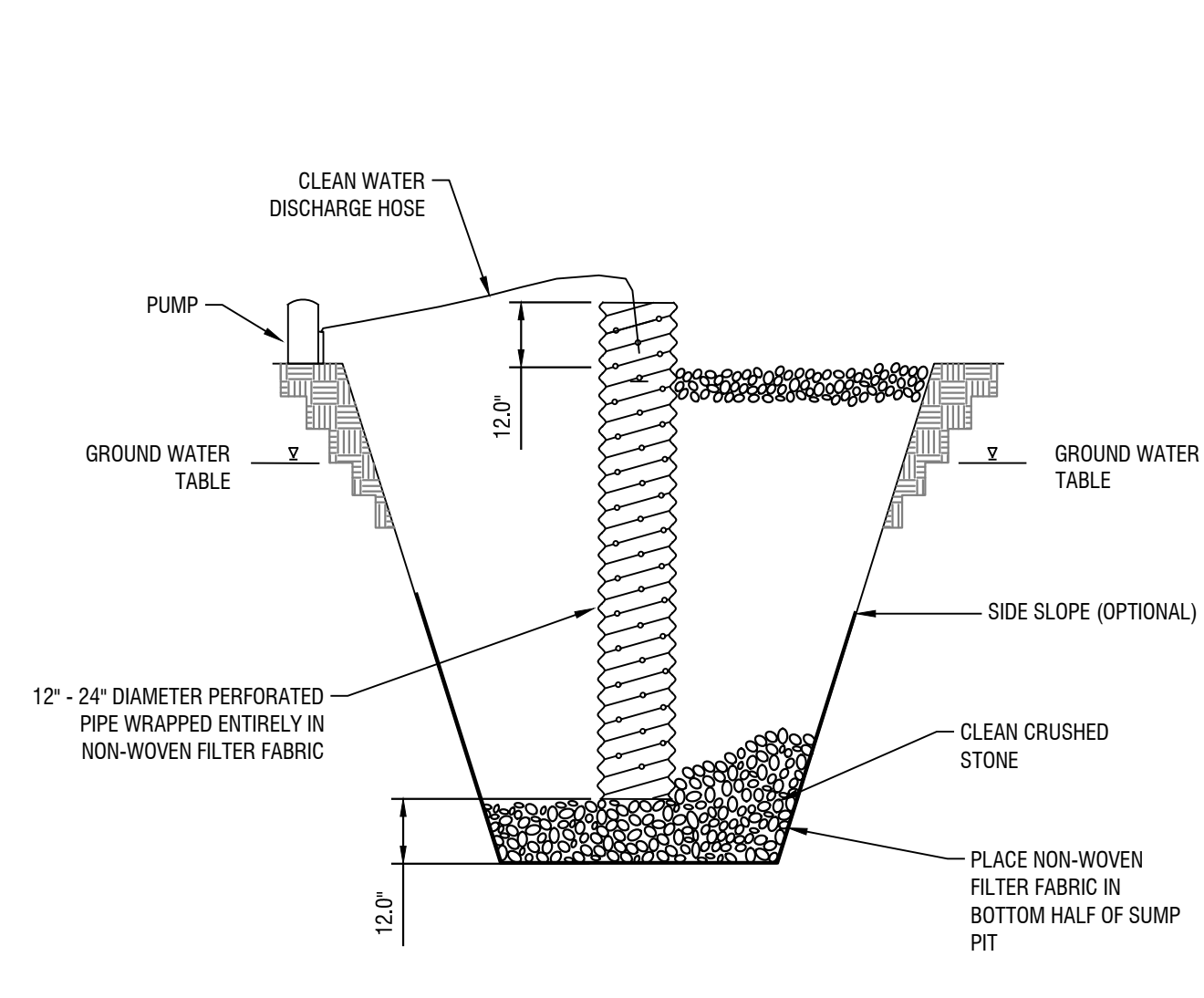
4 UTILITY TRENCH AT EXISTING TREE
C503 N.T.S.



- NOTES:
- ALL TREES DESIGNATED FOR PROTECTION ON THE EXISTING SITE/DEMOLITION PLAN(S) SHALL RECEIVE THIS TREATMENT.
 - DO NOT LEAVE CONSTRUCTION EQUIPMENT RUNNING (IDLING) UNDER TREE CANOPY.
 - MAINTAIN 1' FENCE CLEARANCE TO OUTSIDE CURB FACE AND 6" TO 12" FENCE CLEARANCE TO SIDEWALK.
 - MINIMUM DISTANCE (SEE TABLE) OR GREATER AS REQUIRED TO PROTECT TREE CANOPY.
 - DO NOT STORE MATERIALS WITHIN 10' RADIALLY FROM TREE.

TREE DIAMETER (DBH)	DISTANCE OF FENCING FROM FACE OF TREE TRUNK (SEE NOTE 4)
LESS THAN 10"	6'
10" - 14"	10'
15" - 19"	12'
20" OR MORE	15'

2 TREE PROTECTION
C503 N.T.S.



CONSTRUCTION SPECIFICATIONS

- PIT DIMENSIONS TO BE DETERMINED IN FIELD.
- CONSTRUCT THE STANDPIPE WITH PERFERATED A 12-24" DIAMETER CORRUGATED OR PVC PIPE.
- PLACE STANDPIPE AFTER 12" STONE BASE COURSE HAS BEEN INSTALLED..
- THE STANDPIPE SHOULD EXTEND 12-18" ABOVE THE GRADE.
- REMOVE & REPLACE FILTER FABRIC AS NECESSARY TO PERMIT GROUND WATER FLOW INTO PERFORATED PIPE.
- SUBMERSIBLE PUMP MAY ALSO BE USED/PLACED WITHIN PERFORATED PIPE.

3 SUMP PIT
C503 N.T.S.

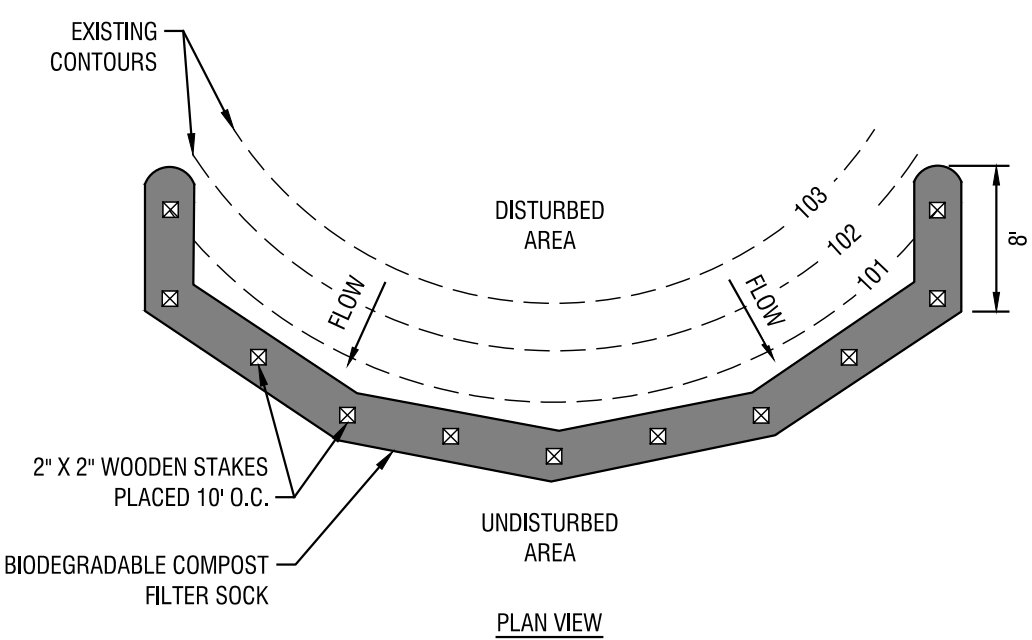
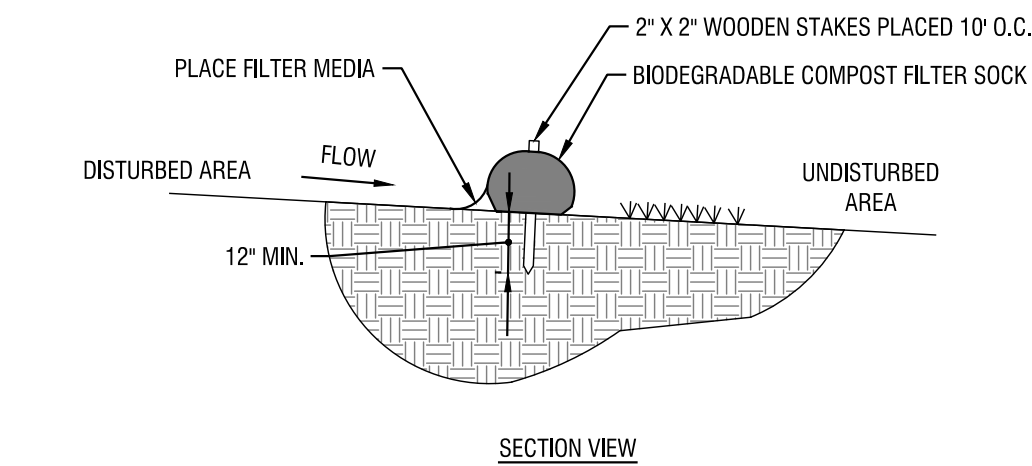
NOTES:

- FILTER SOCK MUST COMPLY WITH NEW YORK STATE STANDARDS AND SPECIFICATIONS FOR EROSION AND SEDIMENT CONTROL.
- PLACE COMPOST FILTER SOCKS ON THE CONTOUR WITH BOTH TERMINAL ENDS OF THE SOCK EXTENDED 8 FEET UPSLOPE AT A 45 DEGREE ANGLE TO PREVENT BYPASS FLOW.
- DIAMETERS DESIGNED FOR USE MUST BE 12" -32".
- THE FLAT DIMENSION OF THE SOCK MUST BE AT LEAST 1.5 TIMES THE NOMINAL DIAMETER.
- THE MAXIMUM SLOPE LENGTH (IN FEET) ABOVE A COMPOST FILTER SOCK MAY NOT EXCEED THE FOLLOWING LIMITS:

DIA. (IN.)	SLOPE %						
	X	X	X	20	25	33	50
X	250	225	125	65	50	40	25
18	275	250	150	70	55	45	30
24	350	275	200	130	100	60	35
32	450	325	275	150	120	75	50

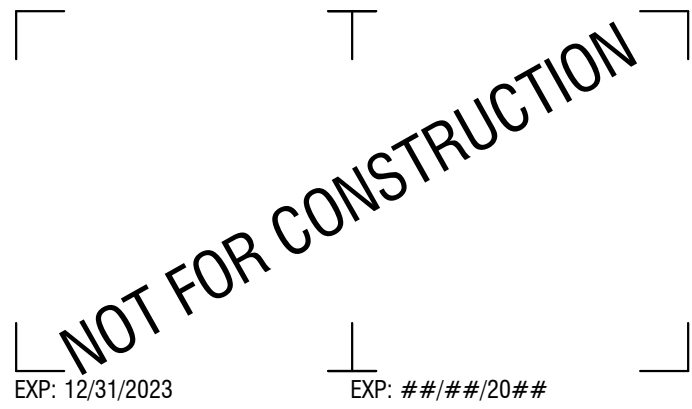
*LENGTH IN FEET

- USE WELL DECOMPOSED (MATURED AT LEAST 3 MONTHS), WEED-FREE, ORGANIC MATTER, COMPOST INFILL. COMPOST INFILL MUST BE AEROBICALLY COMPOSTED, POSSESS NO OBJECTIONABLE ODORS, AND CONTAIN LESS THAN 1% BY DRY WEIGHT, OF MAN-MADE FOREIGN MATTER. THE PHYSICAL PARAMETERS OF THE COMPOST MUST MEET THE STANDARDS LISTED IN TABLE 5.2-COMPOST STANDARDS TABLE.
- ANCHOR COMPOST FILTER SOCKS IN EARTH WITH 2" X 2" WOODEN STAKES DRIVEN 12" INTO THE SOIL ON 10 FOOT CENTERS ON THE CENTERLINE OF THE SOCK. ON UNEVEN TERRAIN, EFFECTIVE GROUND CONTACT CAN BE ENHANCED BY THE PLACEMENT OF A FILLET OF FILTER MEDIA ON THE DISTURBED AREA SIDE OF THE COMPOST SOCK.



6 COMPOST FILTER SOCK
C503 N.T.S.

5 INLET PROTECTION
C503 N.T.S.



CERTIFICATE OF AUTHORIZATION NUMBER:
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REVIEWED BY: JRE

ISSUED FOR: 60% DESIGN SUBMISSION

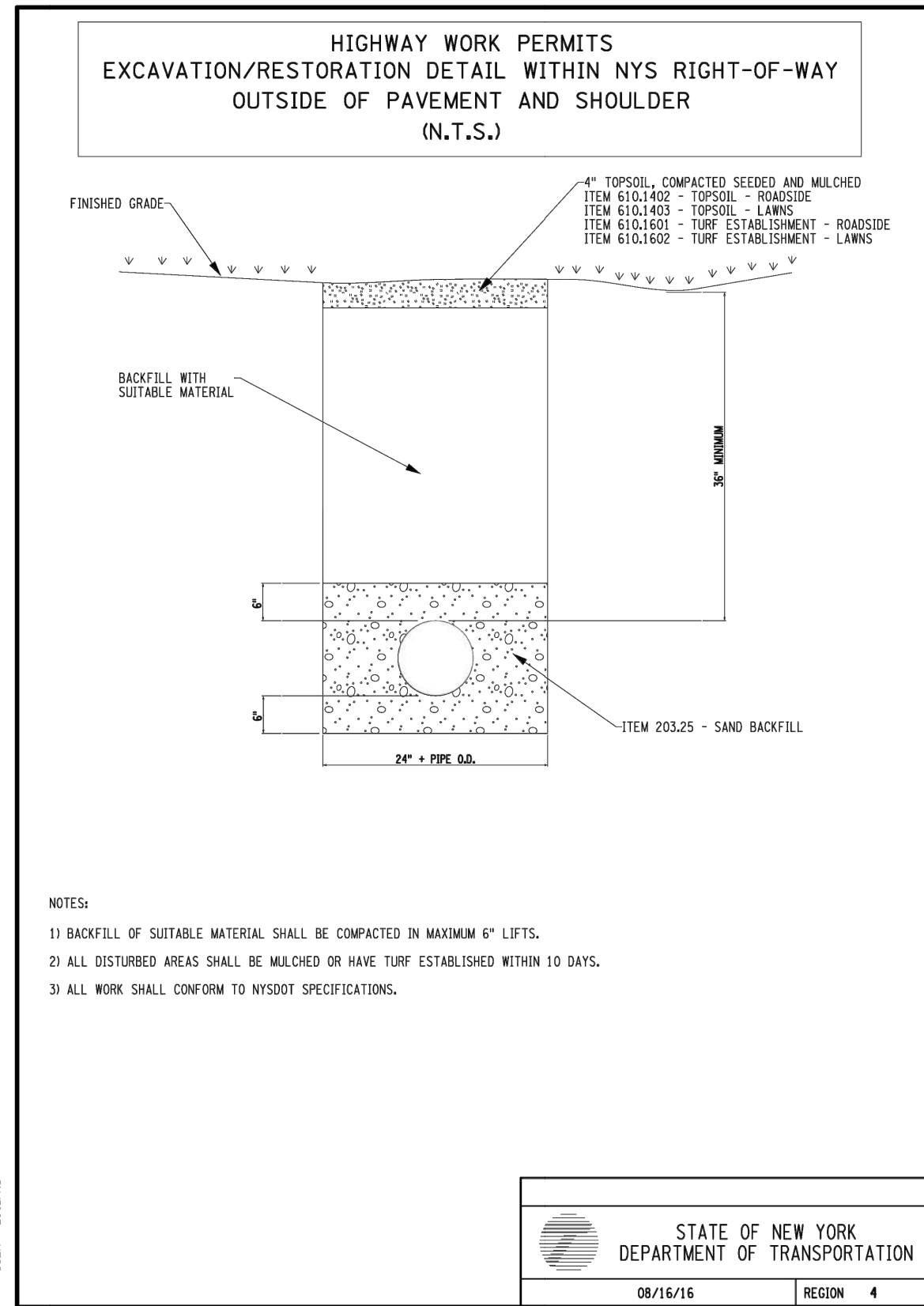
DATE: SEPTEMBER 2023

DRAWING NAME:

MPOT DETAILS

DRAWING NUMBER:

C505



EXCAVATION / RESTORATION DETAIL WITHIN
NYS ROW OUT SIDE OF PAVEMENT & SHOULDER

N.T.S.

WORK ZONE TRAFFIC CONTROL SIGN TABLE				
SIGN	SIGN DESIGNATION	COLOR CODE	NON-FREEWAY	FREEWAY
	ES-1	C	72"x60"	72"x60"
	ESD-1	A	36"x18"	48"x24"
	ESD-2	A	36"x18"	48"x24"
	ESD-3	A	36"x18"	48"x24"
	ESD-4	A	36"x18"	48"x24"
	ESD-5	A	24"x18"	36"x24"
	W-1	G	1 OR 2 20"x12" 24"x12"	36"x36"
	W-1	G	1 30"x36"	36"x36"
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REGION 4 STANDARD GENERAL PLAN NOTES

- ROAD TO BE KEPT CLEAN OF MUD AND DEBRIS AT ALL TIMES.
- ROADSIDE DRAINAGE TO BE MAINTAINED AT ALL TIMES.
- MATERIALS, EQUIPMENT AND VEHICLES ARE NOT TO BE STORED OR PARKED WITHIN THE NEW YORK STATE RIGHT-OF-WAY.
- MAINTENANCE AND PROTECTION OF TRAFFIC MUST COMPLY WITH THE CURRENT NATIONAL MUTCD WITH NYS SUPPLEMENT, SECTION 619 OF THE CURRENT NYSDOT STANDARD SPECIFICATIONS, THESE PLANS AND AS ORDERED BY THE ASSISTANT RESIDENT ENGINEER. ON A NYSDOT CONSTRUCTION PROJECT, MAINTENANCE AND PROTECTION OF TRAFFIC MUST COMPLY WITH THESE PLANS AND BE IN ACCORDANCE WITH THE NYSDOT CONTRACT DOCUMENTS AS DEEMED NECESSARY BY THE NYS ENGINEER-IN-CHARGE.
- NOTIFY THE NEW YORK STATE DEPARTMENT OF TRANSPORTATION'S ASSISTANT RESIDENT ENGINEER AT THE APPROPRIATE NUMBER, AS NOTED BELOW, FIVE (5) WORK DAYS PRIOR TO WORKING WITHIN THE STATE RIGHT-OF-WAY.

ONTARIO CO. - GREG TROST (585) 396-4959

IN ADDITION, THE PERMITTEE SHALL NOTIFY NYSDOT REGIONAL TRAFFIC OPERATIONS CENTER (RTOC) OF ALL LANE AND SHOULDER CLOSURES AT LEAST THREE (3) DAYS IN ADVANCE OF THE PROPOSED WORK UTILIZING RTOC'S CONSTRUCTION NOTIFICATION FORM. RTOC'S CONSTRUCTION NOTIFICATION FORM CAN BE OBTAINED FROM THE 511NY NOTIFICATION LINK AT THE WORK ZONE TRAFFIC CONTROL ICON ON THE REGION 4 PERMITS WEBSITE: WWW.DOT.NY.GOV/R4WORKPERMITS.

PROPOSED CLOSURES WILL BE REVIEWED FOR CONCURRENT AND OVERLAPPING CLOSURE OR INCIDENT CONFLICTS AND WILL BE ENTERED INTO 511NY.ORG. CLOSURES INCLUDED IN THE NOTIFICATION SHALL CONFORM TO TIME, DATE, AND LOCATION RESTRICTIONS IN THE PERMIT. RTOC MAY DISALLOW OR REDUCE CLOSURES DUE TO OTHER CLOSURES OR WORK, EVENTS, OR INCIDENTS FOUND IN CONFLICT WITH THE PROPOSED CLOSURE(S). ALL LANE AND SHOULDER CLOSURES SHALL BE REMOVED DURING NON-WORKING HOURS, EXCEPT WHERE AUTHORIZED BY THE NYSDOT REGIONAL TRAFFIC ENGINEER OR DESIGNEE.

- NOTIFY THE NYSDOT TRAFFIC SIGNAL MAINTENANCE ENGINEER AT (585) 753-7793 5 DAYS PRIOR TO WORKING WITHIN 350' OF A SIGNALIZED INTERSECTION. NOTIFY DIG SAFELY NEW YORK 2 WORK DAYS PRIOR TO DIGGING, DRILLING OR BLASTING AT 811 FOR A UTILITY STAKE-OUT.
- WORK ZONE TRAFFIC CONTROL STANDARD SHEETS NOT INCLUDED IN THE PERMIT PACKAGE SHALL NOT BE UTILIZED UNLESS APPROVED BY THE REGIONAL TRAFFIC ENGINEER.
- ALL MATERIALS USED WITHIN THE STATE RIGHT-OF-WAY MUST COMPLY WITH THE CURRENT NEW YORK STATE DEPARTMENT OF TRANSPORTATION SPECIFICATIONS ALONG WITH ANY APPROPRIATE CURRENT NYS DEPARTMENT OF TRANSPORTATION'S STANDARD SHEETS.
- QUALITY CONTROL OF ASPHALT CONCRETE SHALL MEET THE REQUIREMENTS OF SECTION 401 OF THE STANDARD SPECIFICATIONS. ALL ASPHALT PRODUCED AS PART OF SECTION 401 WILL BE PAID AT A FINAL QUANTITY ADJUSTMENT FACTOR OF 1.0. ASPHALT COURSE DEPTHS SHOWN ON THE PLANS ARE COMPACTED DEPTHS.
- NO NIGHT WORK SHALL BE ALLOWED UNLESS APPROVED PRIOR TO START OF PROJECT. ADDITIONAL MAINTENANCE AND PROTECTION OF TRAFFIC MAY BE REQUIRED INCLUDING THE ADDITION OF REFLECTIVE MATERIALS AND LIGHTING.
- HAZARDOUS WASTE NOTIFICATION - THE PERMITTEE ACCEPTS THE RIGHT-OF-WAY OF THE STATE HIGHWAY IN ITS "AS IS" CONDITION. THE DEPARTMENT OF TRANSPORTATION MAKES NO REPRESENTATION AS TO THE ABSENCE OF UNDERGROUND TANKS, STRUCTURES, FEATURES OR SIMILAR IMPEDIMENTS TO THE COMPLETION OF THE WORK PERMITTED HEREUNDER. SHOULD PERMITTEE FIND SOME PREVIOUSLY UNKNOWN UNDERGROUND IMPEDIMENTS TO ITS WORK, THE DEPARTMENT OF TRANSPORTATION SHALL HAVE NO OBLIGATION TO CURE, REMOVE, REMEDY OR OTHERWISE DEAL WITH SUCH PREVIOUSLY UNKNOWN UNDERGROUND IMPEDIMENTS. THE PERMITTEE IS REQUIRED TO REMOVE, MODIFY OR OTHERWISE DEAL WITH SUCH UNDERGROUND TANKS, STRUCTURES, FEATURES OR IMPEDIMENTS IN A MANNER WHICH MEETS ACCEPTABLE ENGINEERING PRACTICE AND IS APPROVED BY THE DEPARTMENT OF TRANSPORTATION.
- ADA COMPLIANCE - ALL WORK SHALL BE IN ACCORDANCE WITH THE AMERICANS DISABILITY ACT (ADA) AND THE REQUIREMENTS OF THE 2013 PROPOSED ACCESSIBILITY GUIDELINES FOR PEDESTRIAN FACILITIES (PROWAG). REFER TO STANDARD SHEET 608-01 FOR DETAILS
- ANY DAMAGE TO ROADWAY FEATURES CAUSED DIRECTLY OR INDIRECTLY BY THE CONTRACTOR'S OPERATIONS WITHIN NYS ROW SHALL BE REPAIRED TO MEET NYSDOT STANDARDS AT THE CONTRACTOR'S EXPENSE.
- NYSDOT OPERATIONS TAKE PRECEDENCE OVER HIGHWAY WORK PERMIT OPERATIONS. CONTRACTOR SHALL NOT HAVE WORK OPERATIONS IN PAVEMENT DURING INCLEMENT WEATHER CONDITIONS OR DURING SNOW AND ICE REMOVAL OPERATIONS ON STATE HIGHWAYS
- FLAGGING OPERATIONS ARE NOT ALLOW 7 AM - 7 PM, DUE TO HIGH VEHICLE VOLUME PER HOUR AT THIS LOCATION

NYSDOT REGION 4 EXCAVATION SUPPORT SYSTEM REQUIREMENTS

- ANY EXCAVATION 5 FEET OR MORE IN DEPTH SHALL UTILIZE A SHIELDS AND SHORING OR A DESIGNED SHEETING SYSTEM AS DICTATED BY LOCAL SOIL CONDITIONS WHICH PROVIDES DIRECT CONTACT AND SUPPORT OF THE EXCAVATION SIDES. THE SYSTEM SHALL ACCOMMODATE ANY ASSOCIATED SURCHARGE LOADS AND SHALL BE SUBMITTED TO NYSDOT'S REGIONAL GEOTECHNICAL ENGINEER FOR REVIEW AND APPROVAL PRIOR TO PERMIT ISSUANCE.
- A SLOPING (LAYBACK) OPTION WILL NOT BE ALLOWED.
- SHIELDS AND SHORING OR SHEETING SYSTEM REQUIREMENTS DO NOT PERTAIN TO TEST PITS WHICH ARE 18" OR LESS IN DIAMETER.
- SHORING SYSTEM REQUIREMENTS:
 - A PRE-ENGINEERED/MANUFACTURED SHORING SYSTEM DOES NOT REQUIRE A PE STAMP AS LONG AS THE CUT SHEETS SHOW WHAT THE SHORING SYSTEM IS RATED FOR IN EACH SOIL TYPE AND THAT INFORMATION IS AVAILABLE FOR PUBLIC VIEWING (IT IS READILY AVAILABLE FOR ANYONE TO LOOK AT). THE MANUFACTURER IS BASICALLY LIABLE FOR IT.
 - A DESIGNED SHORING SYSTEM, A SYSTEM DESIGNED BY AN ENGINEER, MUST BE STAMPED BY A NYS PE.

GENERAL NOTES FOR TRENCHING AND BORING AROUND TRESS

- WHEN THE EDGE OF TRENCH IS WITHIN 10 FEET OF ANY TREE OR SHRUB, TEMPORARY PLASTIC BARRIER FENCE SHALL BE INSTALLED TO PROVIDE TREE OR SHRUB WITH THE MAXIMUM AREA OF PROTECTION POSSIBLE.
 - WHEN TRENCHING NEXT TO ANY TREE, AND ROOTS 2 INCHES OR LARGER MUST BE CUT, SHOVEL BY HAND NEAR THE ROOTS AND SAW THE ROOTS. ACCIDENTALLY BROKEN ROOTS SHOULD BE SAVED 2 INCHES BEHIND THE BROKEN END.
 - WHEN TRENCHING NEXT TO ANY TREE OR SHRUB, DO NOT PILE SOIL BETWEEN THE TRENCH AND THE TREE OR SHRUB. PLACE SOIL ON THE FAR SIDE OF THE TRENCH FROM THE TREE. WHEN THIS IS NOT POSSIBLE, PLACE SOIL ON PLYWOOD, A TARP OR A 2 INCH LAYER OF MULCH.
 - FOR TREES WITH A 3 TO 6 INCH DIAMETER BREAST HEIGHT (DBH), TRENCHING SHALL COME NO CLOSER TO THE TREE THAN THE DRIPLINE. IF THE DRIPLINE OF THE TREE CANNOT BE AVOIDED THEN BORING SHALL OCCUR. BORING SHALL BEGIN AND END A MINIMUM OF 5 FEET FROM BOTH SIDES OF THE TREE.
 - THE UTILITY LINE SHALL BE BORED WHEN TREES WITH A 8 INCH OR LARGER DBH ARE WITHIN 12 FEET OF THE PROPOSED UTILITY. THE MINIMUM DISTANCE OF BORING FROM BOTH SIDES OF THE TREE IS DETERMINED BY THE DBH OF TREE, AS SPECIFIED IN THE ACCOMPANYING TABLE:
- | WHEN DB OF TREE IS: | TRENCHING SHALL BE REPLACED BY BORING AT THIS MINIMUM DISTANCE FROM BOTH SIDES OF THE TREE: |
|---------------------|---|
| 6-9 INCHES | 5 FEET |
| 10-14 INCHES | 10 FEET |
| 15-19 INCHES | 12 FEET |
| OVER 19 INCHES | 15 FEET |
- WHEN BORING UNDER TREES, THE BORE SHALL BE A MINIMUM OF 3 FEET DEEP. UTILIZING THE TABLE ABOVE, A TREE THAT HAS A 12 INCH DBH, THE BORING WOULD START AT LEAST 10 FEET BEFORE THE TREE TRUNK AND END AT LEAST 10 FEET AFTER THE TREE TRUNK, A MINIMUM 21 FOOT LONG BORE WOULD BE REQUIRED.

NYSDOT REGION 4 UTILITY PERMIT NOTES

- ROAD PAVEMENT, SHOULDER AND DRAINAGE ARE NOT TO BE DISTURBED OR UNDERMINED UNLESS INDICATED OTHERWISE IN THE PLANS.
 - SUITABLE NON-FRIZEN, NON SATURATED BACKFILL TO BE USED AND PLACED IN 6" COMPACTED LIFTS.
 - PAVEMENT TO BE MAINTAINED UNTIL A PERMANENT REPAIR CAN BE MADE.
 - PAVEMENT TO BE REPLACED IN KIND OR AS SPECIFIED ON ATTACHED PLANS.
 - ALL DISTURBED GRASS AREAS WITHIN THE R.O.W. ARE TO BE FINE GRADED, 4" TOPSOIL PLACED AND TURF ESTABLISHED.
- NOTE**
- ROAD PLATES SHALL NOT BE USED DURING THE ASNOW AND ICE SEASON@ (NOVEMBER 1ST THROUGH APRIL 1ST). DURING THE MONTHS OF OCTOBER AND APRIL, CALL THE WORK AREA JURISDICTIONAL N.Y.S.D.O.T. TRANSPORTATION MAINTENANCE RESIDENCY WITH PLATE LOCATIONS. ROAD PLATES SHALL BE PINNED AND RAMPED. A "STEEL PLATE AHEAD" SIGN (W8-24) SHALL BE INSTALLED IN ADVANCE OF THE PLATE IN ACCORDANCE WITH TABLE NY6H-3 ON STANDARD SHEET 619-11. IF THE SURFACE OF THE PLATE IS 1" OR GREATER ABOVE/BELOW THE SURROUNDING PAVEMENT, A "BUMP" SIGN (W8-1) SHALL BE INSTALLED BETWEEN THE PLATE AND "STEEL PLATE AHEAD" SIGN IN ACCORDANCE WITH TABLE NY6H-3 ON STANDARD SHEET 619-11 AND A BARREL WITH A TYPE A FLASHER SHALL BE PLACED ON THE SHOULDER AT THE PLATE.

WINTER ASPHALT PAVEMENT AND SHOULDER RESTORATION

- EXCAVATION BACKFILL SHALL BE WITH NO. 2 STONE (NOT CRUSHER RUN), ITEM 623.12, PLACED TO SIX INCHES (6") BELOW THE EXISTING PAVEMENT SURFACE. THE REMAINING SIX INCHES (6") SHALL HAVE CONCRETE PLACED TO MATCH EXISTING ADJACENT PAVEMENT GRADE AND SHALL HAVE A GOOD, SMOOTH, NON-POLISHED RIDING SURFACE.
- IN THE SPRING, WHEN ASPHALT PLANTS OPEN, THE CONCRETE AND STONE SHALL BE REMOVED TO THE EXISTING BOTTOM OF THE SUBBASE IN ORDER TO PERFORM FINAL RESTORATION PER PREVIOUSLY APPROVED N.Y.S.D.O.T. PAVEMENT RESTORATION PROCEDURES.

TEST PITS

- ALL TEST PITS IN THE PAVEMENT SHALL BE COMPLETED BY AN 18" SQUARE/ROUND VACUUM EXCAVATION.

EXCAVATION SUPPORT SYSTEM REQUIREMENTS

- ANY EXCAVATION 5 FEET OR MORE IN DEPTH SHALL UTILIZE A SHIELDS AND SHORING OR SHEETING SYSTEM WHICH PROVIDES DIRECT CONTACT AND SUPPORT OF THE EXCAVATION SIDES. THE SYSTEM SHALL ACCOMMODATE ANY ASSOCIATED SURCHARGE LOADS AND SHALL BE SUBMITTED TO NYSDOT'S REGIONAL GEOTECHNICAL ENGINEER FOR REVIEW AND APPROVAL PRIOR TO PERMIT ISSUANCE.
- A SLOPING (LAYBACK) OPTION WILL NOT BE ALLOWED.
- SHIELDS AND SHORING OR SHEETING SYSTEM REQUIREMENTS DO NOT PERTAIN TO TEST PITS WHICH ARE 18" OR LESS IN DIAMETER.

WORK ZONE TRAFFIC CONTROL GENERAL NOTES

<p>GENERAL NOTES</p> <ol style="list-style-type: none">THE TYPICAL DETAILS DEPICTED ON THE STANDARD SHEETS AND IN THE MUTCD, REFLECT THE MINIMUM REQUIREMENTS.PROPOSED REVISIONS TO THE TRAFFIC CONTROL PLAN SHALL BE PROVIDED, IN WRITING, TO THE AREA ENGINEER FOR REVIEW AND APPROVAL BY THE REGIONAL TRAFFIC ENGINEER. DESIRED FIVE (5) WORK DAYS PRIOR TO THE PLANNED IMPLEMENTATION OF SUCH PROPOSED REVISIONS. EXCEPT CHANGES TO THE SIGNAGE AND THE TRAFFIC CONTROL PLAN, SUCH CHANGES IN SCOPE MUST BE SUBMITTED TO THE ENGINEER FOR APPROVAL BY THE REGIONAL DIRECTOR OR HIS/HER DESIGNEE THIRTY (30) WORKING DAYS PRIOR TO IMPLEMENTATION OF SUCH REVISIONS.THE NAMES, ADDRESSES, AND TELEPHONE NUMBERS OF STAFF WHO ARE AUTHORIZED TO SECURE LABOR MATERIALS, AND EQUIPMENT FOR EMERGENCY REPAIRS OUTSIDE NORMAL WORKING HOURS SHALL BE PROVIDED, IN WRITING, TO THE DOT ENGINEER. THE ENGINEER WILL PROVIDE THE SUBMITTED INFORMATION TO REGIONAL MANAGEMENT AND THE NEW YORK STATE POLICE, THE RESIDENT ENGINEER, AND THE LOCAL POLICE.STANDARD SHEET 619-503 MAY BE USED FOR AN OFFSITE DETOUR SETUP FOR BOTH LONG TERM AND SHORT TERM WORK DURATIONS.SEE E1 17-010 FOR MAJOR HOLIDAYS RESTRICTIONS.FOLLOW REGIONAL HIGH-VOLUME RESTRICTIONS. SEE REGIONAL LANE CLOSURE RESTRICTIONS LIST. CONSULT WITH DOT ENGINEER IF EXCEPTION NEEDED.PLAN AHEAD TO AVOID CONFLICTING WORK PHASES. CHECK FOR CONSTRUCTION PROJECTS, CLOSURES, & RESTRICTIONS AT WWW.511NY.ORG, WWW.DOT.NY.GOV/PROJECTS, AND WITH DOT ENGINEER.TRAVELER ADVISORY FORM A MATRY MUST BE SUBMITTED PRIOR TO CLOSURE AS REQUIRED BY TS&I 19-04 FOR POLICE SERVICES.CALL REGIONAL TRAFFIC MANAGEMENT CENTER (TMC) ON DAY OF WORK BEFORE LANE CLOSURE SETUP AND WHEN LANE CLOSURE REMOVED.DOCUMENT AND REPORT WORK ZONE INCIDENTS USING EITHER THE DEPARTMENT'S WORK ZONE INCIDENT FORM OR THE CONSTRUCTION INCIDENT REPORTING SYSTEM, AS APPROPRIATE.CONSIDER CLOSURE WIDTH & CLEAR WIDTH FOR WIDE VEHICLES ON WIDE LOAD ROUTES. SEE HIGHWAY DESIGN MANUAL, 616-A-3, CONSTRUCTION ADMINISTRATION MANUAL, 616-0-0-0, AND OVER-SIZE VEHICLE SCREENING TOOL. WIDENED WIDTHS & 16" WIDE LOAD ROUTES. SUBMIT RESTRICTION NOTICE FORM HS 106 IF APPLICABLE. <p>ACTIVITY AREA</p> <ol style="list-style-type: none">A 50Y MINIMUM LONGITUDINAL DISTANCE SHALL BE MAINTAINED BETWEEN CONSTRUCTION OPERATIONS ON ALTERNATE SIDES OF THE ROADWAY, UNLESS OTHERWISE APPROVED BY THE ENGINEER.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. <p>SIGNS</p> <ol style="list-style-type: none">THE LOCATIONS OF THE SIGNS SHOWN ON THE WORK ZONE TRAFFIC CONTROL PLANS AND DETAILS MAY BE ADJUSTED BASED ON SIGHT DISTANCE AND OTHER CONSIDERATIONS. THE FINAL LOCATIONS OF SIGNS ARE SUBJECT TO APPROVAL OF THE ENGINEER.FOR LONG TERM WORK DURATIONS, ANY EXISTING SIGNS, INCLUDING OVERHEAD SIGNS, MUST COMPLY WITH THE TEMPORARY TRAFFIC CONTROL SIGN LAYOUT. SHALL BE COVERED, REMOVED, STORED OR RESET, AS APPROVED BY THE ENGINEER. ALL APPROPRIATE EXISTING SIGNS SHALL BE RESTORED TO THEIR ORIGINAL CONDITION AND/OR LOCATION UNLESS OTHERWISE REPLACED IN THIS CONTRACT.SIGNS AT OR NEAR INTERSECTIONS SHALL BE PLACED SO THAT THEY DO NOT OBSTRUCT A MOTORIST'S LINE OF SIGHT.THE DIMENSIONS OF WORK ZONE TRAFFIC CONTROL SIGNS ARE DESCRIBED IN THE MUTCD. ANY CHANGES TO THE DIMENSIONS SHALL BE APPROVED BY THE REGIONAL DIRECTOR OR BY HIS/HER DESIGNEE.NY6H-12 SHALL BE USED IN PLACE OF NY6H-11 WHEN A REDUCED REGULATORY SPEED LIMIT SIGN IS AUTHORIZED.RIGID AND FLEXIBLE "ROLL-UP" SIGNS MAY BE USED FOR MOBILE, SHORT DURATION AND SHORT-TERM STATIONARY WORK. RIGID SIGNS MUST BE MOUNTED AT LEAST 5 FEET ABOVE GRADE (7 FEET WHERE THERE ARE FEEDSTOPS OR PARKED CARS). FLEXIBLE SIGNS SHALL BE MOUNTED AT LEAST ONE FOOT ABOVE GRADE. MESH SIGNS SHALL NOT BE USED. USE RETRO REFLECTORIZED RIGID SIGNS FOR NIGHTTIME WORK. <p>CHANNELIZING DEVICES</p> <ol style="list-style-type: none">WHERE POSSIBLE ALL CHANNELIZING AND GUIDING DEVICES ARE TO BE PLACED SO AS TO PROVIDE A MINIMUM 2' LATERAL CLEARANCE TO THE TRAVELED WAY. <p>PUBLIC ACCESS</p> <ol style="list-style-type: none">PROPERTY OWNERS WHOSE DRIVEWAYS WILL BE MADE INACCESSIBLE SHALL BE NOTIFIED AT LEAST 24 HOURS PRIOR TO RESTRICTING USE OF THE DRIVEWAY FOR PUBLIC ACCESS. PROPERTIES, AT LEAST ONE DRIVEWAY SHALL BE OPEN AT ALL TIMES. ACCESS SHALL BE RESTORED TO ALL PROPERTIES AS SOON AS POSSIBLE.SUITABLE RAMPS SHALL BE INSTALLED TO MAINTAIN SMOOTH TRANSITIONS FROM RESIDENTIAL AND COMMERCIAL DRIVEWAYS TO AND FROM THE WORK AREA.	<p>LANE CLOSURES</p> <ol style="list-style-type: none">LANE CLOSURES SHALL BE LOCATED TO PROVIDE OPTIMUM VISIBILITY, I.E. BEFORE CURVES AND CRESTS, TO THE EXTENT CONDITIONS PERMIT.THE ENGINEER MAY REQUIRE THAT ALL LANES BE RE-OPENED AT ANY TIME IF THE ROUTE IS NEEDED FOR EMERGENCY PURPOSES. THIS COULD INCLUDE INCIDENTS AT LOCATIONS OUTSIDE THE CONTRACT LIMITS. <p>LANE WIDTHS</p> <ol style="list-style-type: none">UNLESS AUTHORIZED BY THE ENGINEER, THE MINIMUM LANE WIDTHS FOR WORK ZONE TRAVEL LANES SHALL BE AS FOLLOWS: FREEWAYS AND/OR EXPRESSWAYS IS 11'; THE MINIMUM LANE WIDTH FOR ALL OTHER TYPES OF ROADWAYS IS 10'.A WRITTEN NOTICE SHALL BE PROVIDED 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 REGIONAL PERMIT ENGINEER IN A TIMELY MANNER. <p>SPEED REDUCTION</p> <ol style="list-style-type: none">SEE E1 08-030 & HDM 616-A-6, POSTED SPEED LIMITS IN NYS RES VIEWER. <p>PROTECTIVE VEHICLES</p> <ol style="list-style-type: none">A PROTECTIVE VEHICLE IS A LARGE DUMP TRUCK, A LARGE RACK TRUCK OR OTHER VEHICLE HAVING A GROSS WEIGHT OF AT LEAST 16,000 POUNDS. IF THE PROTECTIVE VEHICLE ENCOMPASSES INTO THE TRAVEL LANE, OR IF IT REMAINS ENTIRELY ON THE SHOULDER OF ANY HIGH SPEED ROAD OR HWY OR HOVLAN, IT SHALL BE EQUIPPED WITH A DEPLOYED TRUCK/TRAILER MOUNTED IMPACT ATTENUATOR (TMIA, SEE TABLE 011-01 ON SHEET 15-114). PROTECTIVE VEHICLES MAY BE LOADED WITH SAND, GRAVEL, OR FINE AGGREGATE AS BALLAST TO ENHANCE THE VEHICLE'S GROSS WEIGHT. ANY BALLAST ADDED TO ENHANCE THE VEHICLE'S GROSS WEIGHT SHALL BE SECURED AS NOT TO BECOME DISLODGED IF IMPACTED.A PROTECTIVE VEHICLE USED IN A MOVING OPERATION IS REFERRED TO AS A SHADOW VEHICLE.A PROTECTIVE VEHICLE USED IN A STATIONARY OPERATION IS REFERRED TO AS A BARRIER VEHICLE.IN A MOVING OPERATION OR A STATIONARY OPERATION THAT OCCUPIES A LOCATION FOR UP TO 1 HOUR, THE OPERATOR SHALL REMAIN IN THE PROTECTIVE VEHICLE WITH THE SAFETY BELT AND SEATBELT PROTECTIVE ADJUSTER. MAINTAIN VEHICLE SPACING AND KEEP THE WHEELS ALIGNED WITH THE LANE STRIPING. TWO-WAY RADIO(S) SHOULD BE USED TO COMMUNICATE THE OPERATIONS OF THE WORK ZONE.IN A STATIONARY OPERATION THAT OCCUPIES A LOCATION FOR MORE THAN 1 HOUR, ONCE THE PROTECTIVE VEHICLE HAS BEEN APPROPRIATELY PLACED, IT SHOULD BE UNOCCUPIED. UNOCCUPIED VEHICLE SHALL BE POSITIONED PARALLEL TO TRAFFIC, PARKING BRAKE SET, PLACED IN 2ND GEAR MANUAL TRANSMISSIONS, ENGINE OFF, OR PARK / NEUTRAL, AUTOMATIC TRANSMISSIONS AND HAVE THE FRONT WHEELS ALIGNED WITH THE LANE STRIPING AND LANE TO MAINTAIN LANE DISCIPLINE AND TO STAY IN LANE OF STRUCK.WHEN A PROTECTIVE VEHICLE IS USED IN ADVANCE OF EITHER MOVING OR STATIONARY OPERATIONS TO DISPLAY SIGN MESSAGES, IT IS REFERRED TO AS AN ADVANCE WARNING VEHICLE. ADVANCED WARNING VEHICLES MAY BE OCCUPIED OR UNOCCUPIED. WHEN SIGNS ARE MOUNTED ON AN ADVANCED WARNING VEHICLE, THEY SHALL NOT OBSTRUCT VISIBILITY OF ANY LIGHTS (TAILLIGHTS OR WARNING LIGHTS) OR SIDE-VIEW MIRRORS ON THE VEHICLE.NO WORK ACTIVITY, EQUIPMENT, VEHICLES AND/OR MATERIALS SHALL BE LOCATED BETWEEN THE PROTECTIVE VEHICLE AND THE ACTIVE WORK AREA ROLL AHEAD DISTANCE.PROTECTIVE VEHICLES MAY BE REQUIRED IN CONJUNCTION WITH POLICE PRESENCE IN THE WORK ZONE TO BE INCLUDED IN THE UNIT 830 PRICE FOR BASIC WORK ZONE TRAFFIC CONTROL, FOR CAPITAL CONSTRUCTION PROJECTS.DIRECT WORKER COMMUNICATION BETWEEN THE PROTECTIVE VEHICLES AND THE WORK VEHICLES / EQUIPMENT SHALL BE UTILIZED WHERE AVAILABLE. <p>WORK DURATION DEFINITIONS</p> <ol style="list-style-type: none">THERE ARE MAINLY FIVE WORK DURATIONS:<ul style="list-style-type: none">A. LONG-TERM IS STATIONARY WORK THAT OCCUPIES A LOCATION MORE THAN 3 CONSECUTIVE DAYS.B. INTERMEDIATE-TERM IS STATIONARY WORK THAT OCCUPIES A LOCATION MORE THAN ONE DAYLIGHT PERIOD UP TO 3 CONSECUTIVE DAYS, OR NIGHTTIME WORK LASTING MORE THAN 1 HOUR.C. SHORT-TERM IS STATIONARY DAYTIME WORK THAT OCCUPIES A LOCATION FOR MORE THAN 1 HOUR WITHIN A SINGLE DAYLIGHT PERIOD.D. SHORT DURATION IS WORK THAT OCCUPIES A LOCATION UP TO 1 HOUR.E. MOBILE IS WORK THAT MOVES INTERNITENTLY OR CONTINUOUSLY WHERE THE WORK AT ANY SPECIFIC LOCATION COMPLETES WITHIN 15 MINUTES. IT IS USED FOR VEHICLE BASED OPERATIONS AND DOES NOT INVOLVE WORKERS ON FOOT.SPECIAL OPERATIONS ARE WORK OPERATIONS THAT DO NOT FIT INTO ONE OF THE ABOVE FIVE CATEGORIES. SPECIAL OPERATIONS INCLUDE:<ul style="list-style-type: none">A. STOP AND GO OPERATIONS - WORK THAT COMPLETES WITHIN 5 MINUTES AND ALLOWS WORKERS ON FOOT.B. OTHER OPERATIONS INCLUDING WORKING, MAINTENANCE/REPAIR OPERATIONS, TEMPORARY ROAD/INTERSECTION CLOSURES, ETC.	<p>ROADWAY TYPE DEFINITIONS</p> <ol style="list-style-type: none">FREEWAYS<ul style="list-style-type: none">A. INTERSTATE: INTERREGIONAL, HIGH-SPEED, HIGH-VOLUME, DIVIDED FACILITIES WITH COMPLETE CONTROL OF ACCESS.B. EXPRESSWAYS: DIVIDED HIGHWAYS FOR THROUGH TRAFFIC WITH FULL OR PARTIAL CONTROL OF ACCESS AND GENERALLY WITH GRADE SEPARATIONS AT MAJOR CROSSROADS.C. PARKWAY: DIVIDED HIGHWAYS FOR NON-COMMERCIAL TRAFFIC WITH FULL CONTROL OF ACCESS, GRADE PARKWAY SEPARATIONS, INTERSECTIONS, AND OCCASIONAL AT-GRADE INTERSECTIONS. PARKWAYS ARE DESIGNATED BY LAW.NON-FREEWAYS<ul style="list-style-type: none">A. MULTILANE DIVIDED HIGHWAYB. MULTILANE UNDIVIDED HIGHWAYC. TWO-LANE TWO-WAY ROADWAY <p>ALL NON-FREEWAYS CAN BE EITHER URBAN OR RURAL:</p> <p>URBAN: MEETS MORE THAN 1 OF THE FOLLOWING CRITERIA:<ul style="list-style-type: none">HIGH DENSITY DEVELOPMENTNON-STREET PARKINGPAVED BUILDING SETBACKSMULTI-STORY AND LOW-TO MEDIUM-RISE STRUCTURES FOR RESIDENTIAL, COMMERCIAL, AND EDUCATIONAL USES; STRUCTURES THAT ACCOMMODATE MIXED USES (COMMERCIAL, RESIDENTIAL, AND PARKING)NIGHT INDUSTRIAL, AND SOMETIMES HEAVY INDUSTRIAL, LAND USEPROMINENT DESTINATIONS WITH SPECIALIZED STRUCTURES, I.E., LARGE THEATERS, SPORTS FACILITIES OR CONFERENCE CENTERSHIGH LEVELS OF PEDESTRIAN AND BICYCLIST ACTIVITY, WITH NEARLY CONTINUOUS SIDEWALKS AND MARKED CROSSWALKSHIGHER DENSITY OF TRANSIT STOPS AND ROUTESDRIVEWAY DENSITIES GREATER THAN 25 DRIVEWAYS/MILE ON EACH SIDE OF THE ROAD</p> <p>RURAL: DOES NOT MEET MORE THAN ONE OF THE ABOVE CRITERIA.</p> <p>NOTES ON NIGHTTIME WORK:</p> <ol style="list-style-type: none">WORK OCCURRING AFTER SUNSET AND BEFORE SUNRISE WILL BE CONSIDERED NIGHTTIME OPERATIONS.ALL SIGNS SHALL BE RETROREFLECTIVE.ALL WORKERS INVOLVED SHALL WEAR PROTECTIVE HELMETS AND NIGHTTIME APPAREL IN ACCORDANCE WITH DOT-084 HIGH VISIBILITY APPAREL AT ALL TIMES.VEHICLES OPERATING ON THE PAVEMENT OF A CLOSED ROADWAY OR TRAVEL LANE SHALL DISPLAY ROTATING AMBER BEACONS OR FLASHING LED BEACONS AT ALL TIMES.LEVEL 1 ILLUMINATION SHALL BE PROVIDED NEAR THE BEGINNING OF LANE CLOSURE TAPERS AND AT ROAD CLOSURES, INCLUDING THE SETUP AND REMOVAL OF THE CLOSURE TAPERS.LEVEL 2 ILLUMINATION SHALL BE PROVIDED FOR FLAGGING STATIONS, ASPHALT PAVING, MILLING, AND CONCRETE PLACEMENT AND/OR REMOVAL OPERATIONS, INCLUDING BRIDGE DOCKS, 50 FEET AHEAD OF AND 100 FEET BEHIND A PAVING OR MILLING MACHINE.LEVEL 3 ILLUMINATION SHALL BE PROVIDED FOR PAVEMENT OR STRUCTURAL CRACK FILLING, JOINT REPAIR, PAVEMENT PATCHING AND REPAIRS, INSTALLATION OF SIGNAL EQUIPMENT OR OTHER ELECTRICAL/MECHANICAL EQUIPMENT, AND OTHER TASKS INVOLVING FINE DETAILS OR INTRICATE PARTS AND EQUIPMENT.ALL LIGHTING SHALL BE DESIGNED, INSTALLED, AND OPERATED TO AVOID GLARE THAT AFFECTS TRAFFIC ON THE ROADWAY OR THAT CAUSES ANNOYANCE OR DISCOMFORT FOR RESIDENCES ADJACENT TO THE ROADWAY.PRIOR TO THE START OF NIGHTTIME OPERATIONS, A WRITTEN NIGHTTIME OPERATIONS AND LIGHTING PLAN IS REQUIRED FOR APPROVAL FROM THE OFFICE OF THE REGIONAL TRAFFIC ENGINEER.SEE THE NIGHTTIME SAFETY BULLETIN, HDM 916-S-2, & STANDARD SPECIFICATIONS 9619 FOR ADDITIONAL REQUIREMENTS AND CONSIDERATIONS.
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TEMPORARY LANE / SHOULDER CLOSURE RESTRICTIONS FOR MAJOR HOLIDAYS

SPECIAL NOTE TEMPORARY LANE/SHOULDER CLOSURE RESTRICTIONS FOR MAJOR HOLIDAYS

There shall be no temporary lane/shoulder closures on roadway facilities, owned and/or maintained by NYSDOT on the major holidays listed below.

Construction activities that will result in temporary lane/shoulder closures shall be suspended to minimize travel delays associated with road work for major holidays as follows:

Holiday	Falls on	Temporary lane closures are NOT allowed from
New Year's Day Independence Day Christmas Day	Sunday or Monday	6:00 AM Friday before to 6:00 AM Tuesday after
	Tuesday	6:00 AM Saturday before to 6:00 AM Wednesday after (starting at 6:00 AM Friday before to 6:00 AM Wednesday after for Christmas Day)
	Wednesday	6:00 AM Tuesday before to 6:00 AM Thursday after (starting at 6:00 AM Saturday before to 6:00 AM Thursday after for Christmas Day)
	Thursday	6:00 AM Thursday to 6:00 AM Monday after (starting at 6:00 AM Wednesday before to 6:00 AM Monday after for Christmas Day)
	Friday or Saturday	6:00 AM Thursday before to 6:00 AM Monday after

Holiday	Falls on	Temporary lane closures are NOT allowed from
Memorial Day Labor Day	Monday	6:00 AM Friday before to 6:00 AM Tuesday after
Thanksgiving Day	Thursday	6:00 AM Wednesday before to 6:00 AM Monday after

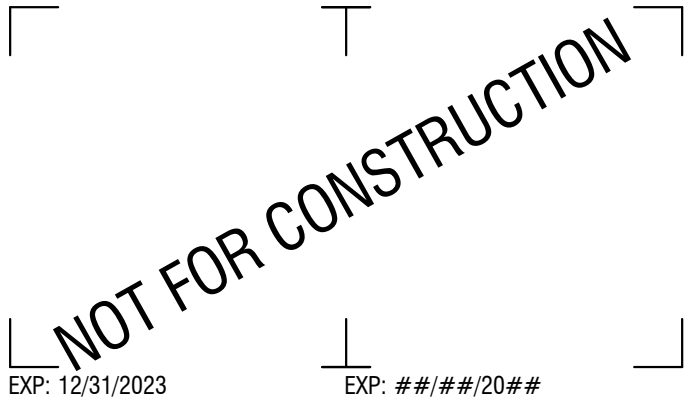
Exceptions can only be made under the following conditions:

- Emergency work.
- Work within long-term stationary lane/shoulder closures.
- Safety work that does not adversely impact traffic mobility and has been authorized by the Regional Traffic Engineer.

Note: The Department reserves the right to cancel any work operations, including lane closures and/or total road closures, that would create traffic delays by unforeseen events. The Contractor would be notified at least seven (7) calendar days prior to the proposed work.

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CERTIFICATE OF AUTHORIZATION NUMBER:
PROFESSIONAL ENGINEERING: 095099
LAND SURVEYING: 017976
GEOLOGICAL: 018750

It is a violation of New York Education Law Art. 145 Sec. 7209 & Art. 147 Sec. 7307, for any person, unless acting under the direction of a licensed architect, professional engineer, or land surveyor, to alter an item in any way. If an item bearing the seal of an architect, engineer, or land surveyor is altered, the altering architect, engineer, or land surveyor shall affix to the item their seal and notation "altered by" followed by their signature and date of such alteration, and a specific description of the alteration.

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REDI WASTEWATER INFRASTRUCTURE (CONTRACT 1)

TOWN OF KENDALL & TOWN OF HAMLIN

NO:	DATE:	DESCRIPTION:
Revisions		

PROJECT NUMBER: 2200455

DRAWN BY: JCB

REVIEWED BY: JRE

ISSUED FOR: 60% DESIGN SUBMISSION

DATE: SEPTEMBER 2023

DRAWING NAME:

MPOT NOTES

DRAWING NUMBER:

C506