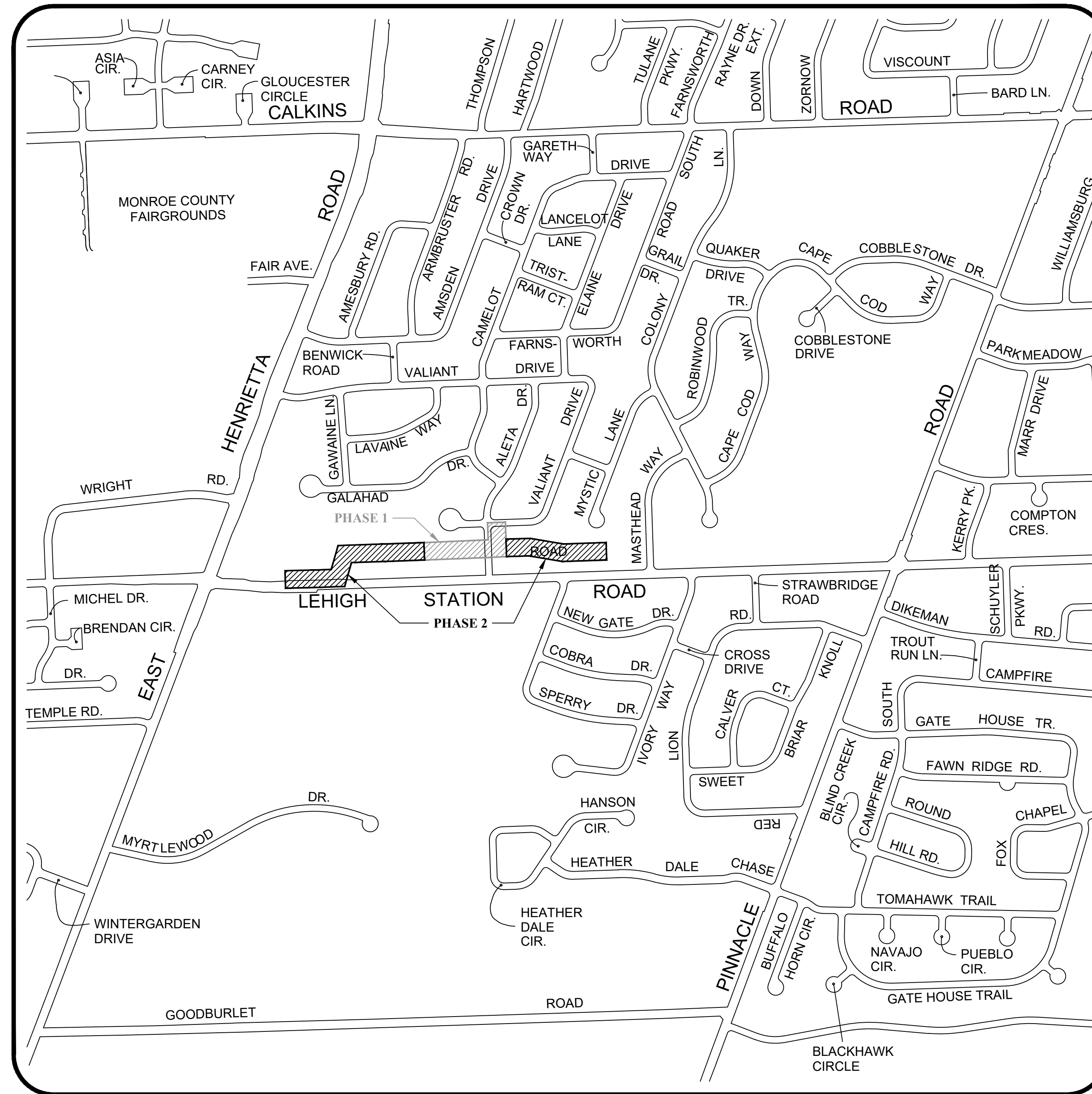


TOWN OF HENRIETTA

LEHIGH STATION ROAD SANITARY SEWER EXTENSION - PHASE 2

PROJECT No. T21-01



PROJECT LOCATION

INDEX OF DRAWINGS

SHEET No.	DWG. No.	DESCRIPTION
1	T001	TITLE SHEET
2	C101	UTILITY PLAN - 1 (WEST)
3	C102	UTILITY PLAN - 2 (WEST)
4	C103	UTILITY PLAN - 3 (EAST)
5	C104	UTILITY PLAN - 4 (EAST)
6	C201	NOTES
7	C202	DETAILS-1
8	C203	DETAILS-2
9	C204	NYS DOT WZTC NOTES & DETAILS
10	C205	NYS DOT WZTC NOTES & DETAILS

HENRIETTA TOWN BOARD

STEPHEN L. SCHULTZ	SUPERVISOR
M. RICK PAGE	COUNCIL MEMBER
JOSEPH D. BELLANCA, JR.	COUNCIL MEMBER
ROBERT BARLEY, JR.	COUNCIL MEMBER
MICHAEL J. STAFFORD	COUNCIL MEMBER
CRAIG C. ECKERT	DEPUTY SUPERVISOR
REBECCA WIESNER	TOWN CLERK

APPROVALS

CHRISTOPHER E. MARTIN, P.E. _____ DATE
 DIRECTOR OF ENGINEERING & PLANNING

MICHAEL CATALANO _____ DATE
 COMMISSIONER OF PUBLIC WORKS

MONROE COUNTY DEPARTMENT OF PUBLIC HEALTH
 THESE PLANS FOR PUBLIC SANITARY SEWER SYSTEM EXTENSION/
 IMPROVEMENT ARE HEREBY APPROVED PURSUANT TO ARTICLE 17
 OF THE NYS ENVIRONMENTAL CONSERVATION LAW SUBJECT TO
 CONDITIONS OF APPROVAL.
DIRECTOR OF PUBLIC HEALTH

IRONDEQUOIT BAY SOUTH CENTRAL PURE WATERS DISTRICT
 REVIEW NUMBER _____
 CONFORMS TO MONROE COUNTY
 PURE WATERS MASTER PLAN

BY _____ PUBLIC HEALTH ENGINEER DATE _____

 SIGNATURE DATE _____

DESIGNER CONTACT STATEMENT

THE TOWN OF HENRIETTA IS RESPONSIBLE FOR THE DESIGN OF THIS PROJECT. CHRISTOPHER E. MARTIN, P.E. IS THE DESIGNER AND IS FAMILIAR WITH NYS DOT STANDARDS AND REQUIREMENTS AND SHALL BE CONTACTED AT (585) 359-7070 TO RESOLVE ISSUES OR PROBLEMS DURING CONSTRUCTION. ALL REVISIONS, INCLUDING REVISIONS NECESSARY DUE TO FIELD CONDITIONS, SHALL BE APPROVED BY THE TOWN.

Town of Henrietta
 Engineering Department
 475 Calkins Road
 Henrietta, New York 14467
 (585) 359-7070
 Fax: (585) 321-6193



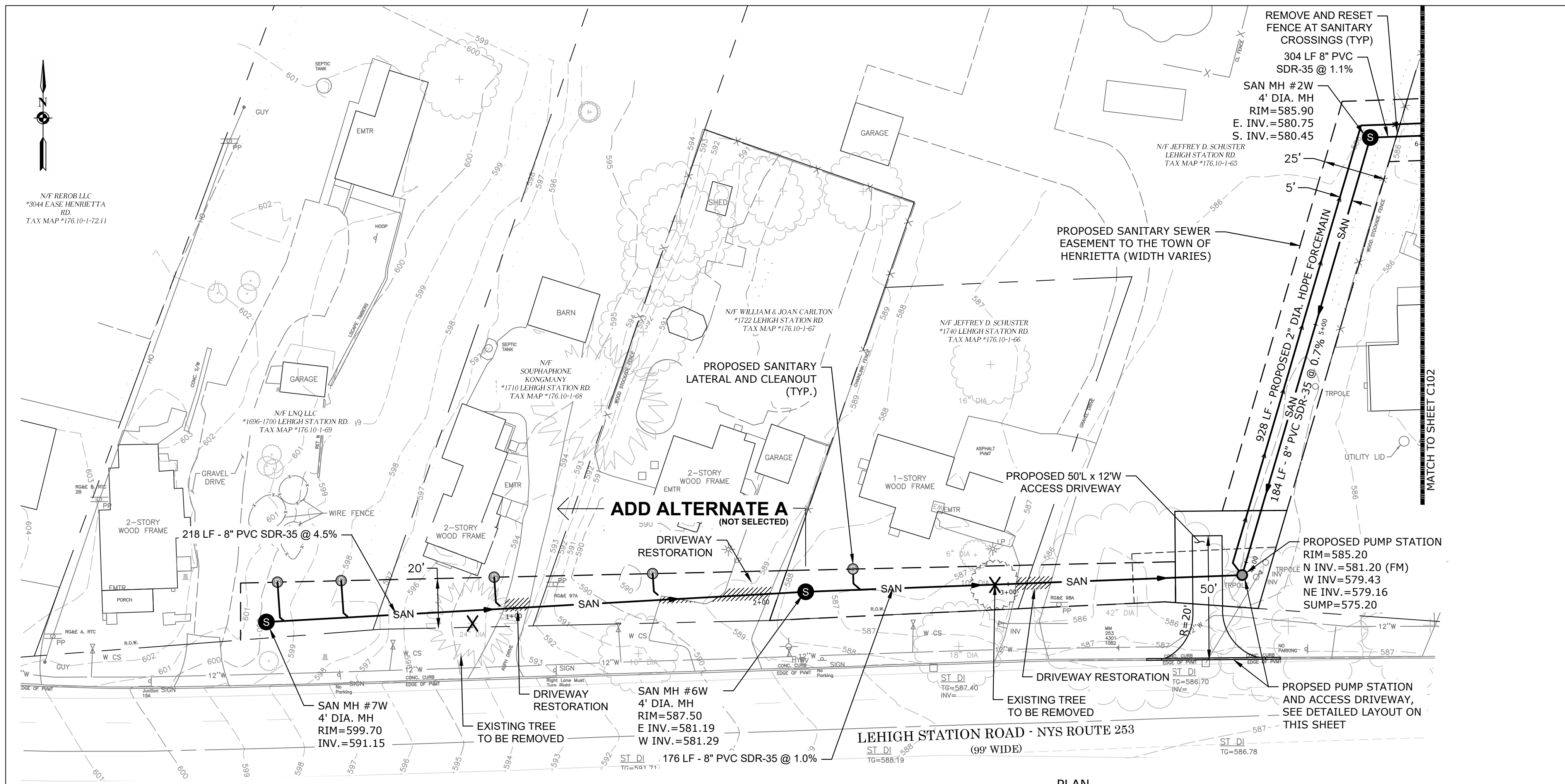
DATE:
1/17/2024

DWG. No.:
T001

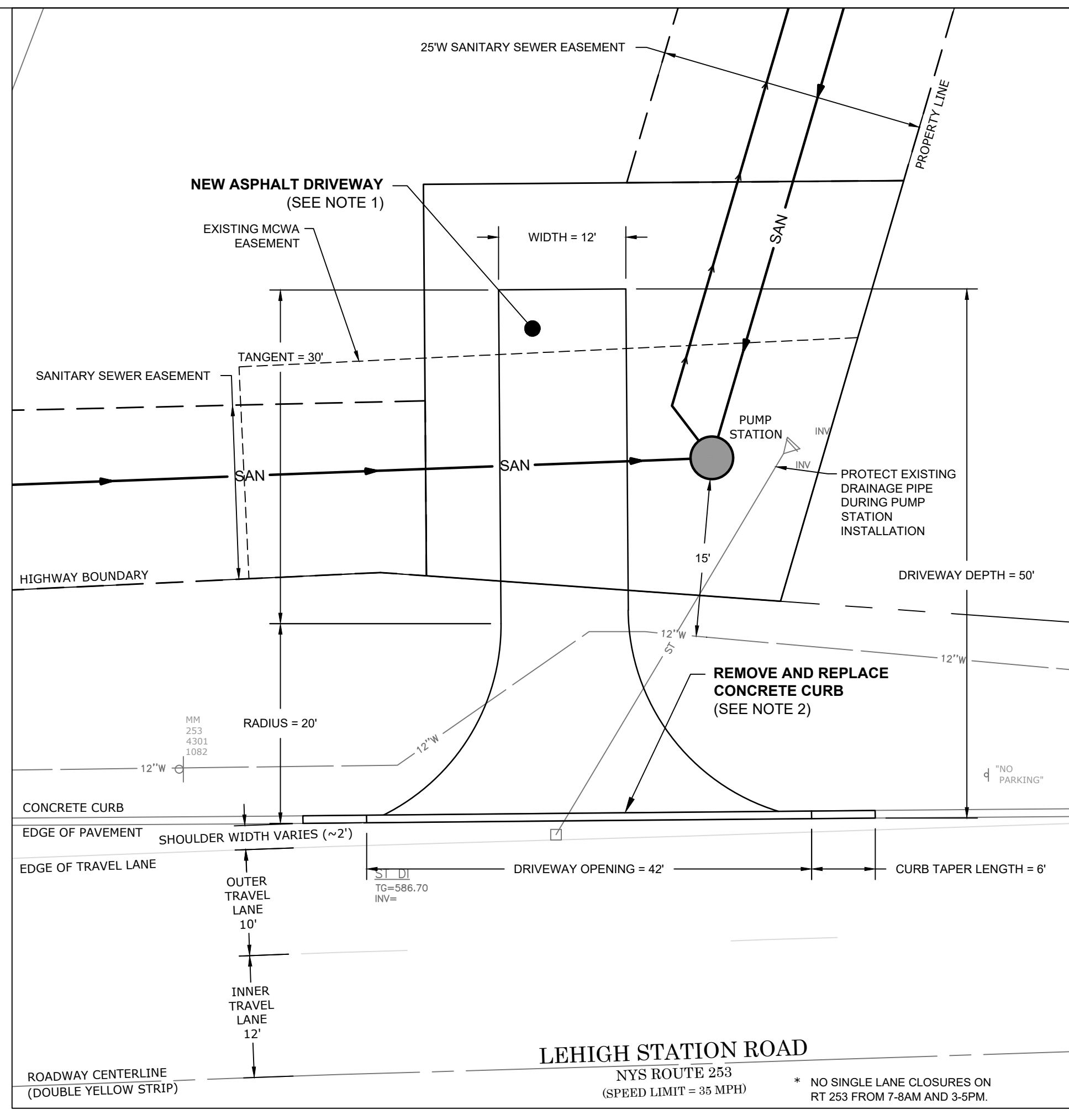
SHEET No.:
1 of 10

ISSUED FOR CONSTRUCTION - 6/28/24

N:\AutoCAD Projects\Non-Town Widel\Sanitary\2021\Lehigh Station Road Sanitary Sewer - Phase 2.dwg



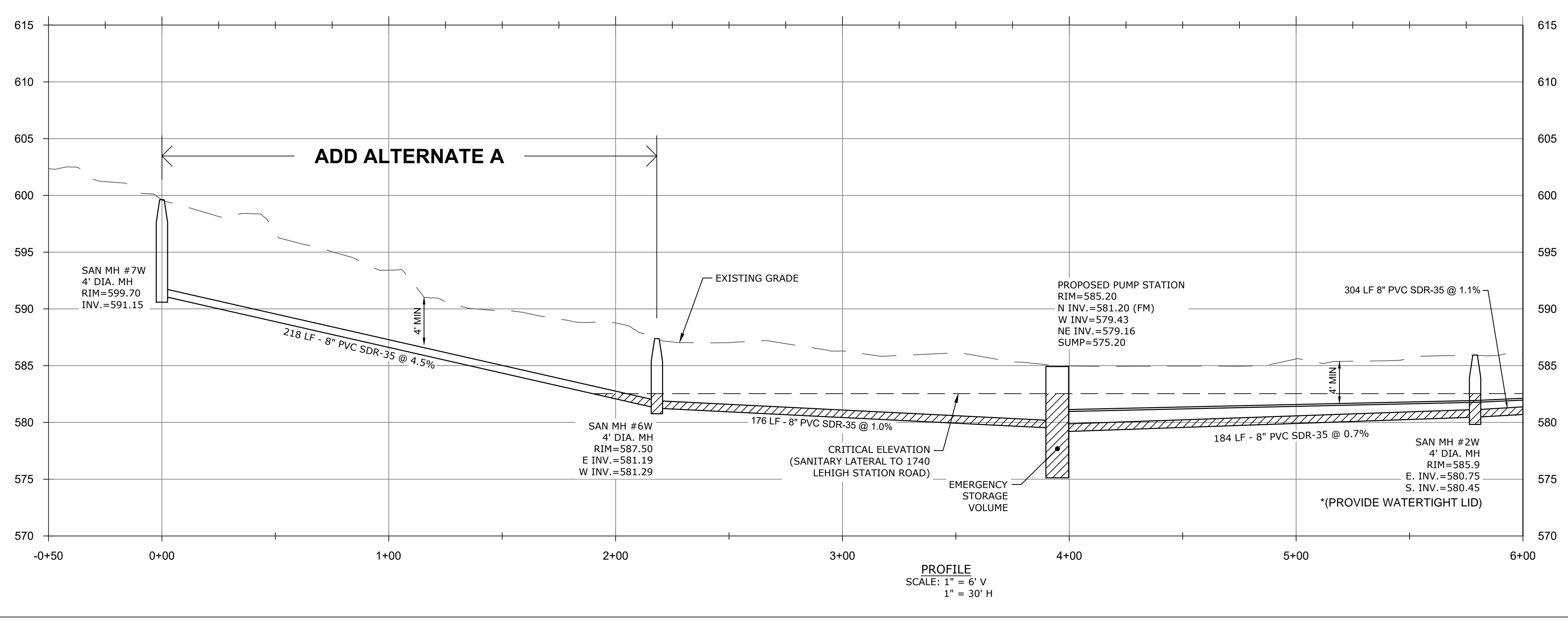
PLAN
SCALE: 1" = 30'



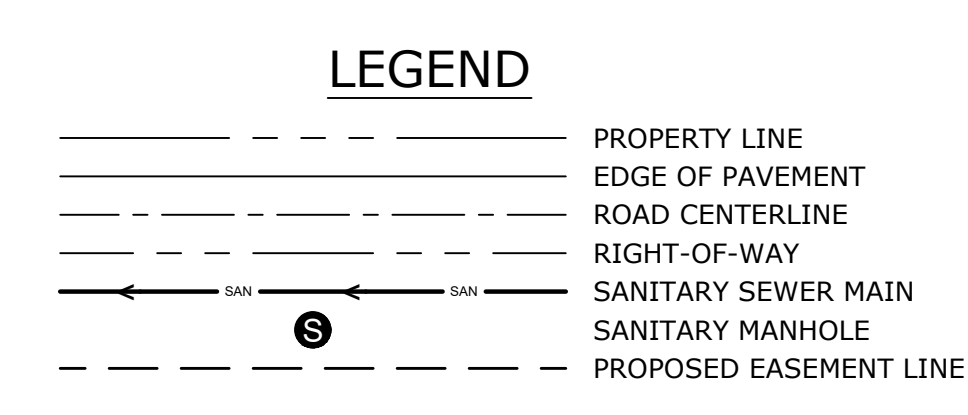
PUMP STATION LAYOUT PLAN
SCALE: 1" = 10'

LEHIGH STATION ROAD
NYS ROUTE 253
(SPEED LIMIT = 35 MPH) * NO SINGLE LANE CLOSURES ON RT 253 FROM 7-8AM AND 3-5PM.

- PUMP STATION DRIVEWAY CONSTRUCTION NOTES:**
- ASPHALT PAVEMENT DRIVEWAY** - THE PAVEMENT SECTION SHALL BE:
 - 1" ASPHALT CONCRETE TOP - TYPE 7F ITEM 403.198202
 - 3" ASPHALT CONCRETE BINDER - TYPE 3 ITEM 403.138902
 - 12" CRUSHER RUN STONE - TOPE 2 ITEM 304.12
 - MATERIAL DESIGNATION 703-0201-2
 - FOR FABRIC SPREAD OVER DRIVEWAY PAVEMENT SUBGRADE PROVIDE MIRAFI 500X (WOVEN FABRIC) OR EQUAL.
 - CONCRETE CURB REPLACEMENT** - THE EXISTING CURBING SHOULD BE REMOVED, FULL SECTIONS ONLY, AND REPLACED WITH NEW 1" REVEAL CURBING ACROSS THE DRIVEWAY AND TAPERED TO MEET EXISTING CURB REMOVAL AND REPLACEMENT SHALL BE DONE WITHOUT DISTURBANCE TO THE ROADWAY. CURB SHALL BE REMOVED BY EXCAVATING FROM THE BACK SIDE. WHEN PLACING THE NEW CURB, THE JOINT AT THE ROAD EDGE TO THE CURB FRONT SHALL BE FILLED WITH NON-SHRINK CEMENT GROUT AND LEVEL WITH THE PAVEMENT SURFACE.
 - PREPACKAGED PUMP STATION** - THE PUMP STATION SHALL BE MANUFACTURED BY XYLEM AND INSTALLED BY THE CONTRACTOR COMPLETE. REFER TO DETAIL ON C203 FOR MODEL SELECTION.



PROFILE
SCALE: 1" = 6' V
1" = 30' H



SPECIAL NOTE:
THE EXISTING SANITARY LOCATIONS ARE APPROXIMATE AND SHALL BE VERIFIED BY THE CONTRACTORS PRIOR TO STARTING WORK.

IRONDEQUOIT BAY SOUTH CENTRAL PURE WATERS DISTRICT

REVIEW NUMBER _____
CONFORMS TO MONROE COUNTY PURE WATERS MASTER PLAN

SIGNATURE _____ DATE _____

MONROE COUNTY DEPARTMENT OF PUBLIC HEALTH

THESE PLANS FOR PUBLIC SANITARY SEWER SYSTEM EXTENSION/IMPROVEMENT ARE HEREBY APPROVED PURSUANT TO ARTICLE 17 OF THE NYS ENVIRONMENTAL CONSERVATION LAW SUBJECT TO CONDITIONS OF APPROVAL

DIRECTOR OF PUBLIC HEALTH

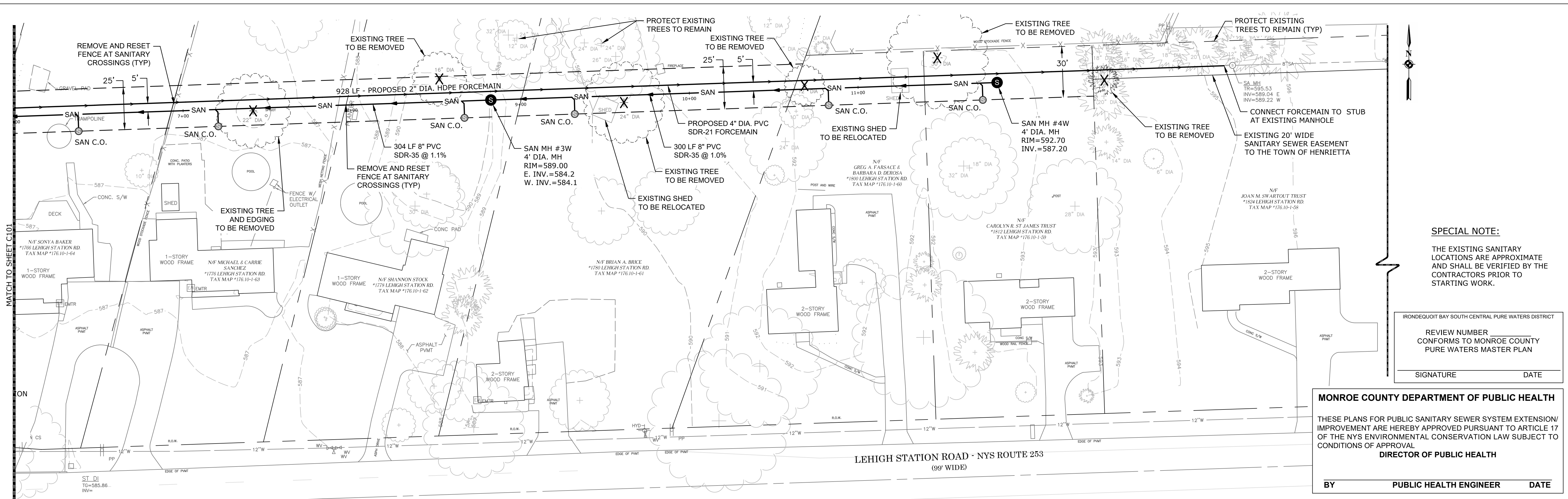
BY _____ PUBLIC HEALTH ENGINEER DATE _____

DATE	6/24/24	DATE	6/28/24
SCALE	1" = 30'	SCALE	1" = 10'
DATE	1/17/24	DATE	12/1-01
JOB NO.	121-01	DESIGNED BY	LEUSHEN
DESIGNED BY	LEUSHEN	DRAWN BY	J. DIPIFFO
DRAWN BY	J. DIPIFFO	CHECKED BY	C. MARTIN
CHECKED BY	C. MARTIN	APPROVED BY	C. MARTIN
DESCRIPTION	LEHIGH STATION ROAD SANITARY SEWER EXTENSION - PHASE 2		
INITIALS	DATE		
REVISIONS	DATE		

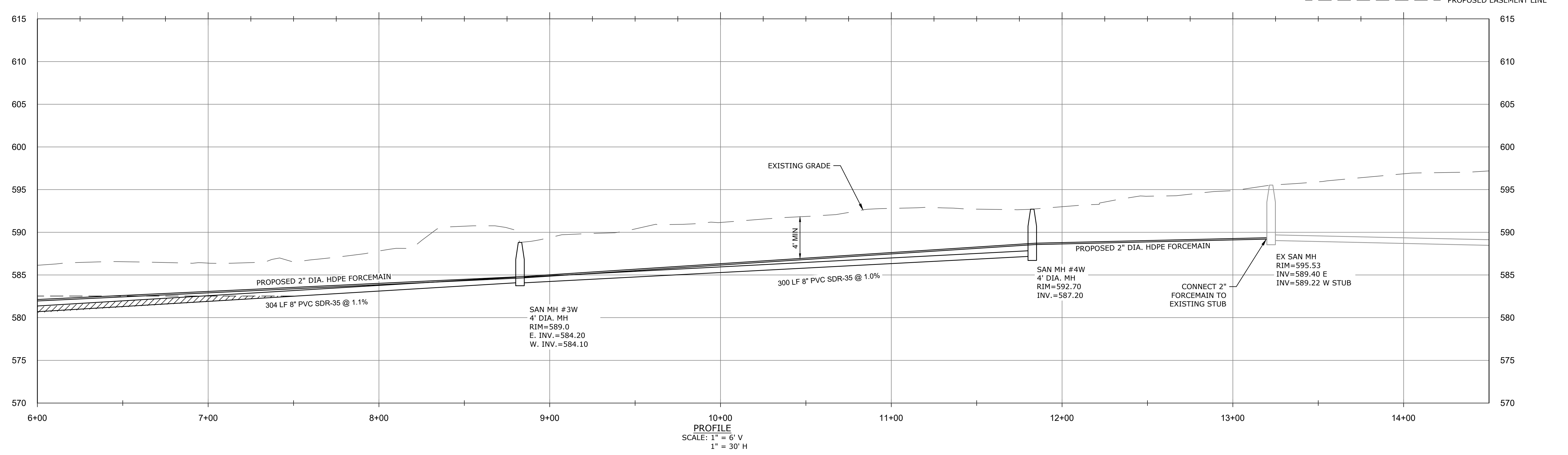
TOWN OF HENRIETTA
475 CALKINS ROAD
HENRIETTA, N.Y. 14467

LEHIGH STATION ROAD SANITARY SEWER EXTENSION - PHASE 2
UTILITY PLAN - 1 (WEST)

DWG. NO. C101
SHEET NO. 2 of 10



PLAN
SCALE: 1" = 30'



PROFILE
SCALE: 1" = 6' V
1" = 30' H

SPECIAL NOTE:
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IRONDEQUOIT BAY SOUTH CENTRAL PURE WATERS DISTRICT

REVIEW NUMBER _____
CONFORMS TO MONROE COUNTY PURE WATERS MASTER PLAN

SIGNATURE _____ DATE _____

MONROE COUNTY DEPARTMENT OF PUBLIC HEALTH

THESE PLANS FOR PUBLIC SANITARY SEWER SYSTEM EXTENSION/IMPROVEMENT ARE HEREBY APPROVED PURSUANT TO ARTICLE 17 OF THE NYS ENVIRONMENTAL CONSERVATION LAW SUBJECT TO CONDITIONS OF APPROVAL.

DIRECTOR OF PUBLIC HEALTH

BY _____ PUBLIC HEALTH ENGINEER DATE _____

- LEGEND**
- PROPERTY LINE
 - EDGE OF PAVEMENT
 - ROAD CENTERLINE
 - RIGHT-OF-WAY
 - SANITARY SEWER MAIN
 - SANITARY MANHOLE
 - PROPOSED EASEMENT LINE

SCALE	1" = 30'	PIPE SLOPE & INVERT CORRECTIONS	6/28/24
DATE	1/17/24	LUB	
JOB NO.	121-01		
DESIGNED BY	L. BUSHEN		
DRAWN BY	J. DIPIRRO		
CHECKED BY	C. MARTIN		
APPROVED BY	C. MARTIN		

REVISIONS

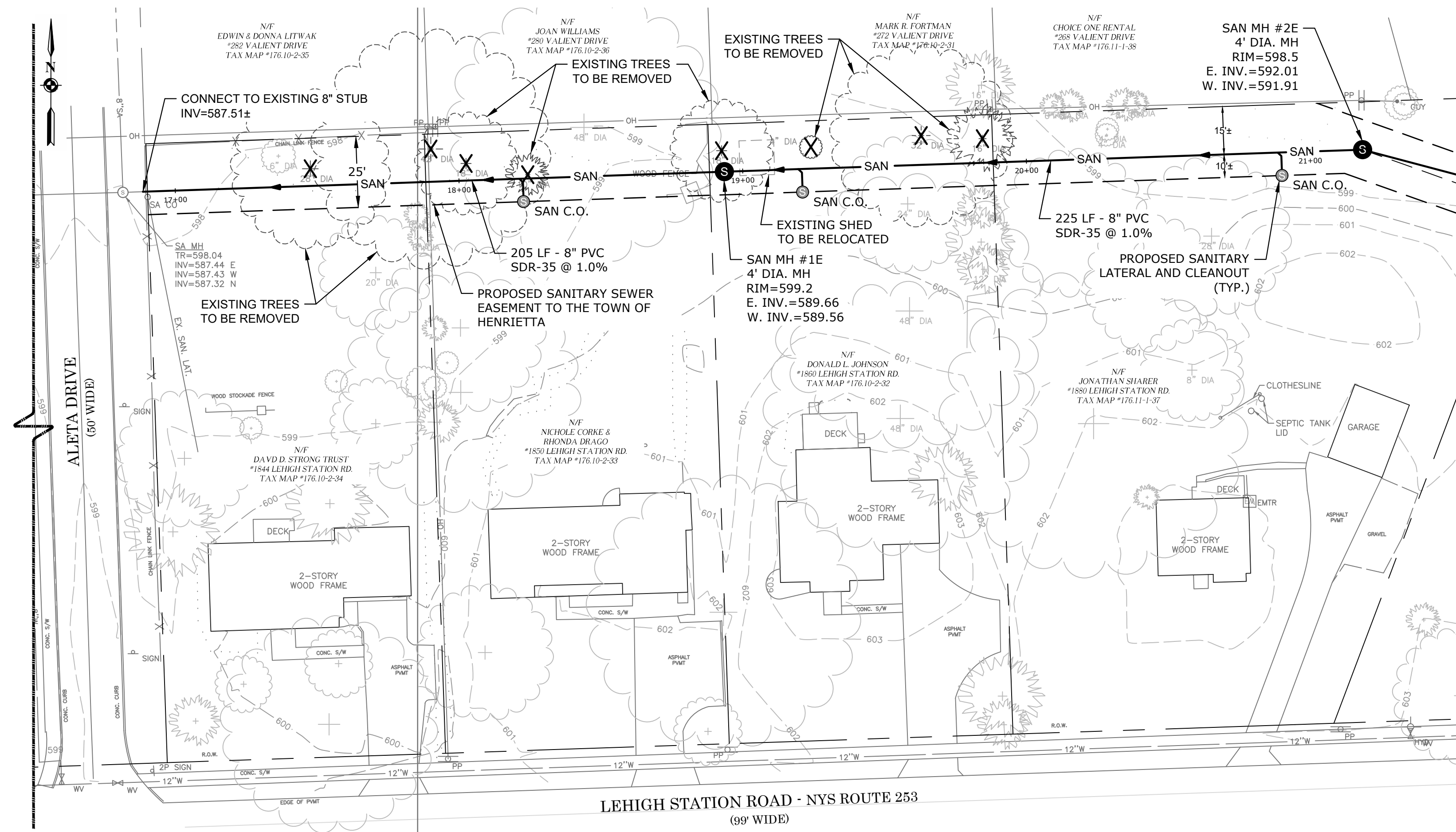
NO.	DESCRIPTION	INITIALS	DATE

TOWN OF HENRIETTA
475 CALKINS ROAD
HENRIETTA, N.Y. 14467

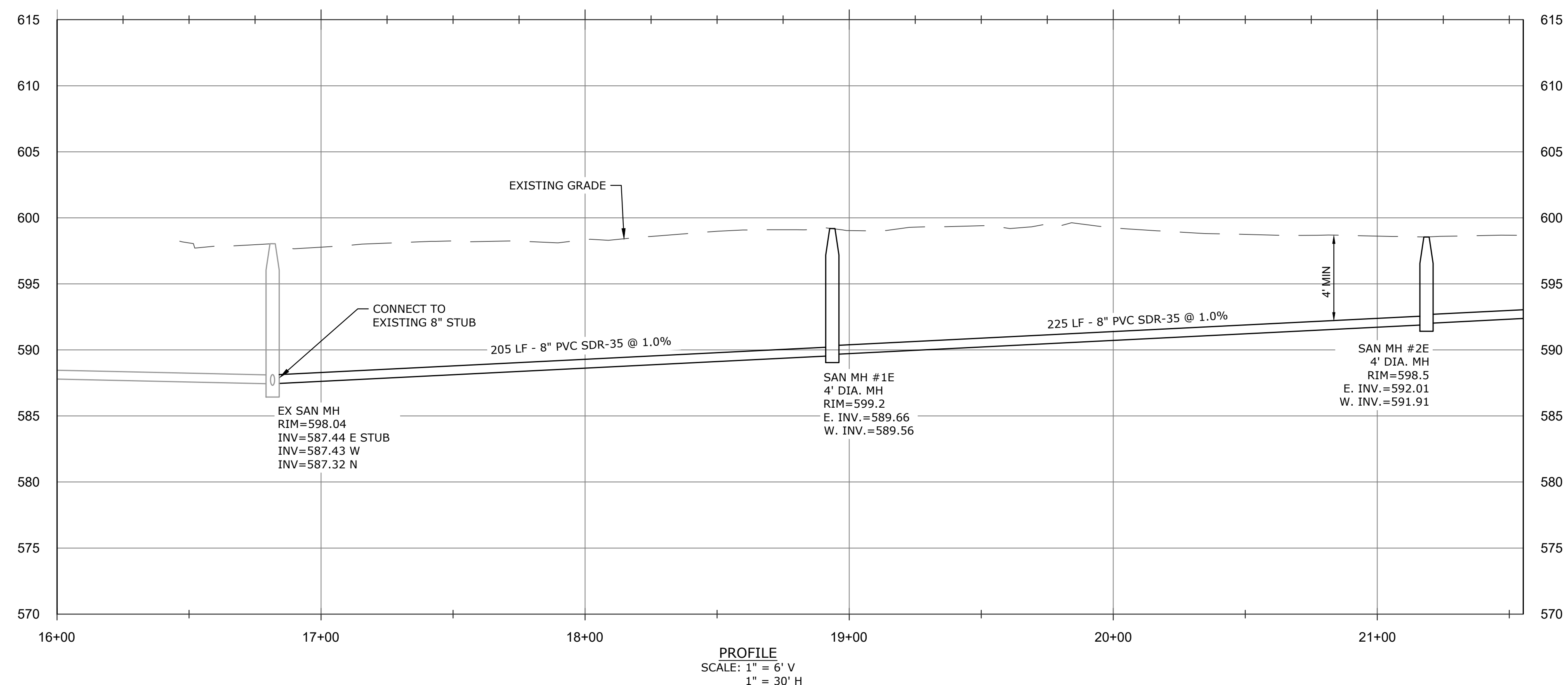
LEHIGH STATION ROAD SANITARY SEWER EXTENSION - PHASE 2
UTILITY PLAN - 2 (WEST)

DWG. NO. C102
SHEET NO. 3 of 10

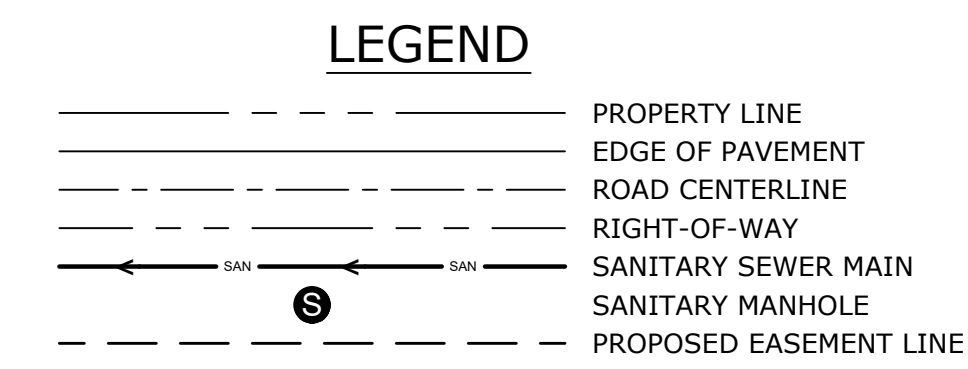
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PLAN
SCALE: 1" = 30'



PROFILE
SCALE: 1" = 6' V
1" = 30' H

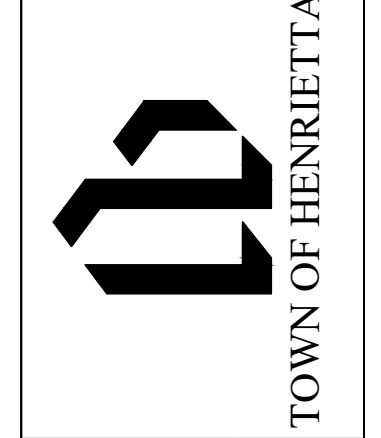
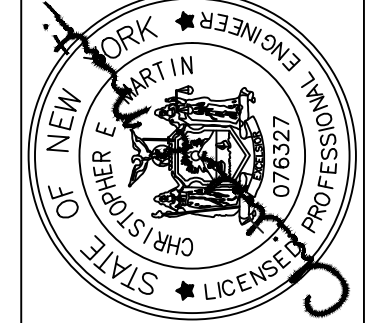


SPECIAL NOTE:
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IRONDEQUOIT BAY SOUTH CENTRAL PURE WATERS DISTRICT
REVIEW NUMBER _____
CONFORMS TO MONROE COUNTY
PURE WATERS MASTER PLAN
SIGNATURE _____ DATE _____

MONROE COUNTY DEPARTMENT OF PUBLIC HEALTH
THESE PLANS FOR PUBLIC SANITARY SEWER SYSTEM EXTENSION/IMPROVEMENT ARE HEREBY APPROVED PURSUANT TO ARTICLE 17 OF THE NYS ENVIRONMENTAL CONSERVATION LAW SUBJECT TO CONDITIONS OF APPROVAL
DIRECTOR OF PUBLIC HEALTH
BY _____ PUBLIC HEALTH ENGINEER DATE _____

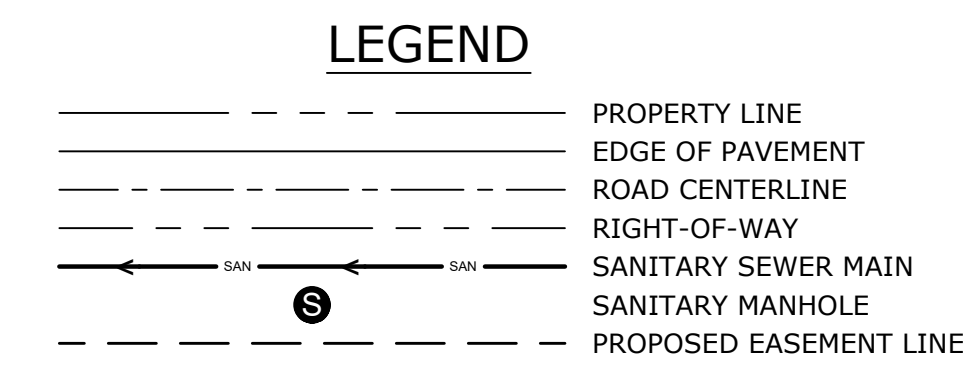
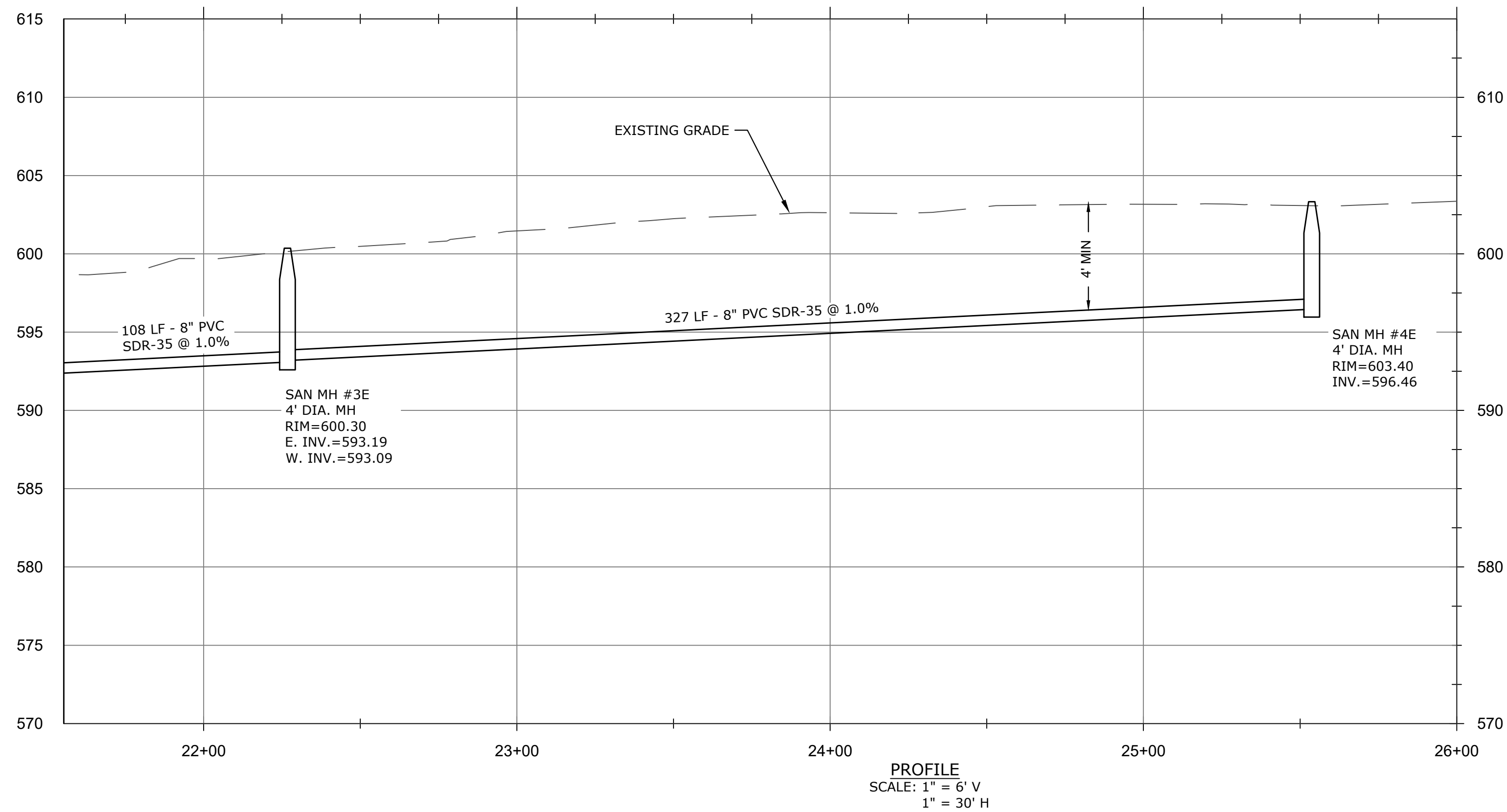
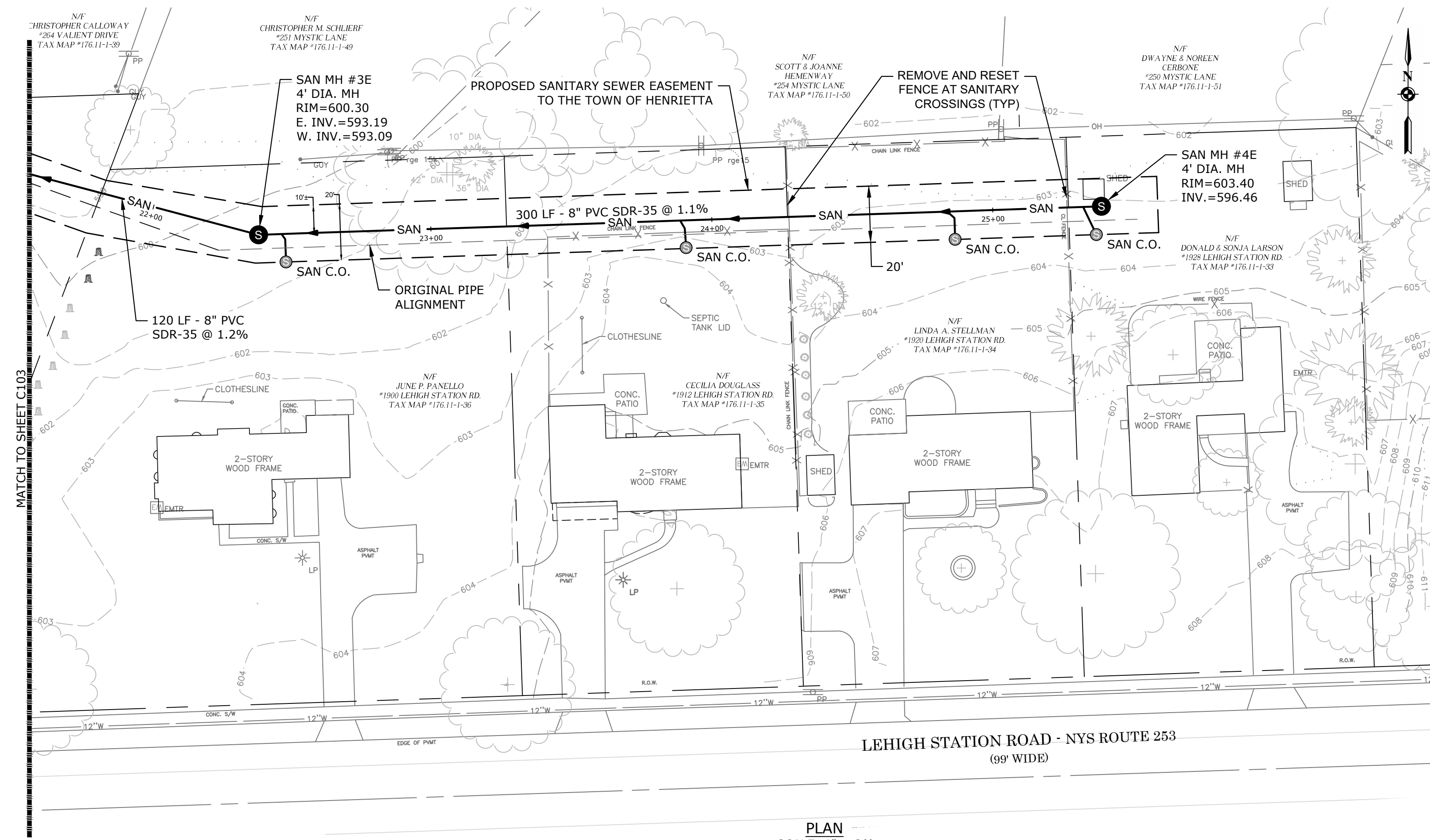
SCALE	DATE	JOB NO.	DESIGNED BY	DRAWN BY	CHECKED BY	APPROVED BY	REVISIONS
1" = 30'	1/17/24	T21-01	L. BUSHEN	J. DIPIUPO	C. MARTIN	C. MARTIN	
PIPE ALIGNMENT MODIFICATION							6/28/24



TOWN OF HENRIETTA
475 CALKINS ROAD
HENRIETTA, N.Y. 14467
LEHIGH STATION ROAD SANITARY SEWER EXTENSION - PHASE 2
UTILITY PLAN - 3 (EAST)

DWG. NO. C103
SHEET NO. 4 of 10

N:\AutoCAD Projects\Non-Town Wide\Sanitary\2021\Lehigh Station Road Sanitary Sewer - Phase 2.dwg

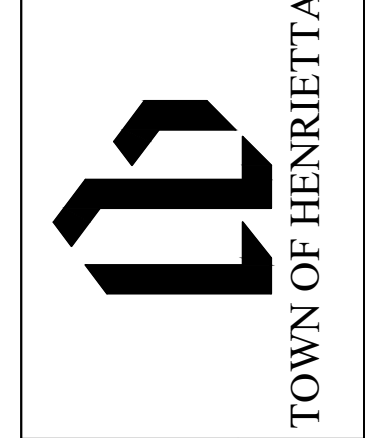
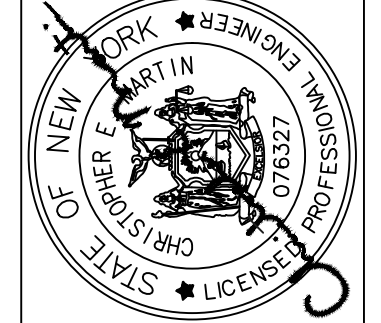


SPECIAL NOTE:
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IRONDEQUOIT BAY SOUTH CENTRAL PURE WATERS DISTRICT
REVIEW NUMBER
CONFORMS TO MONROE COUNTY
PURE WATERS MASTER PLAN
SIGNATURE DATE

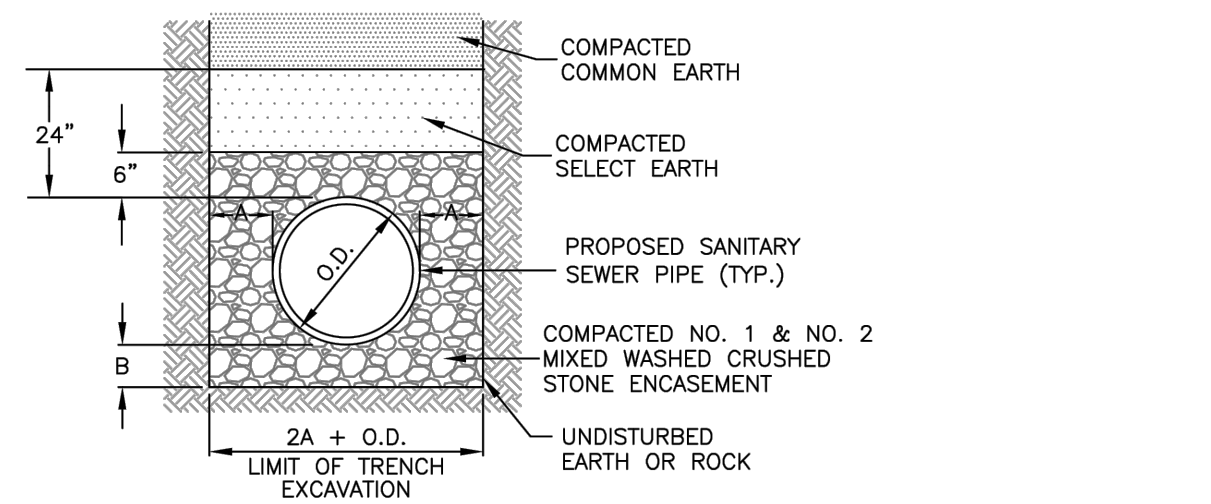
MONROE COUNTY DEPARTMENT OF PUBLIC HEALTH
THESE PLANS FOR PUBLIC SANITARY SEWER SYSTEM EXTENSION/IMPROVEMENT ARE HEREBY APPROVED PURSUANT TO ARTICLE 17 OF THE NYS ENVIRONMENTAL CONSERVATION LAW SUBJECT TO CONDITIONS OF APPROVAL
DIRECTOR OF PUBLIC HEALTH
BY PUBLIC HEALTH ENGINEER DATE

SCALE	DATE	JOB NO.	DESIGNED BY	DRAWN BY	CHECKED BY	APPROVED BY	REVISIONS
1" = 30'	1/17/24	T21-01	L. BUSHEN	J. DILIPPO	C. MARTIN	C. MARTIN	
							DESCRIPTION
							INITIALS
							DATE

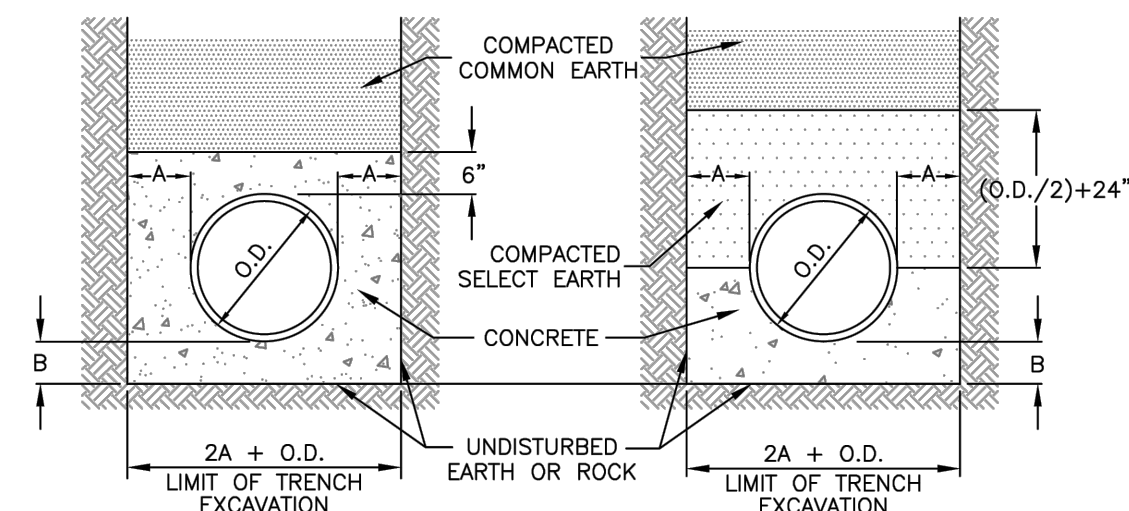


TOWN OF HENRIETTA
475 CALKINS ROAD
HENRIETTA, N.Y. 14467
LEHIGH STATION ROAD SANITARY SEWER EXTENSION - PHASE 2
UTILITY PLAN - 4 (EAST)

DWG. NO. C104
SHEET NO. 5 of 10



TYPICAL SANITARY BEDDING DETAIL



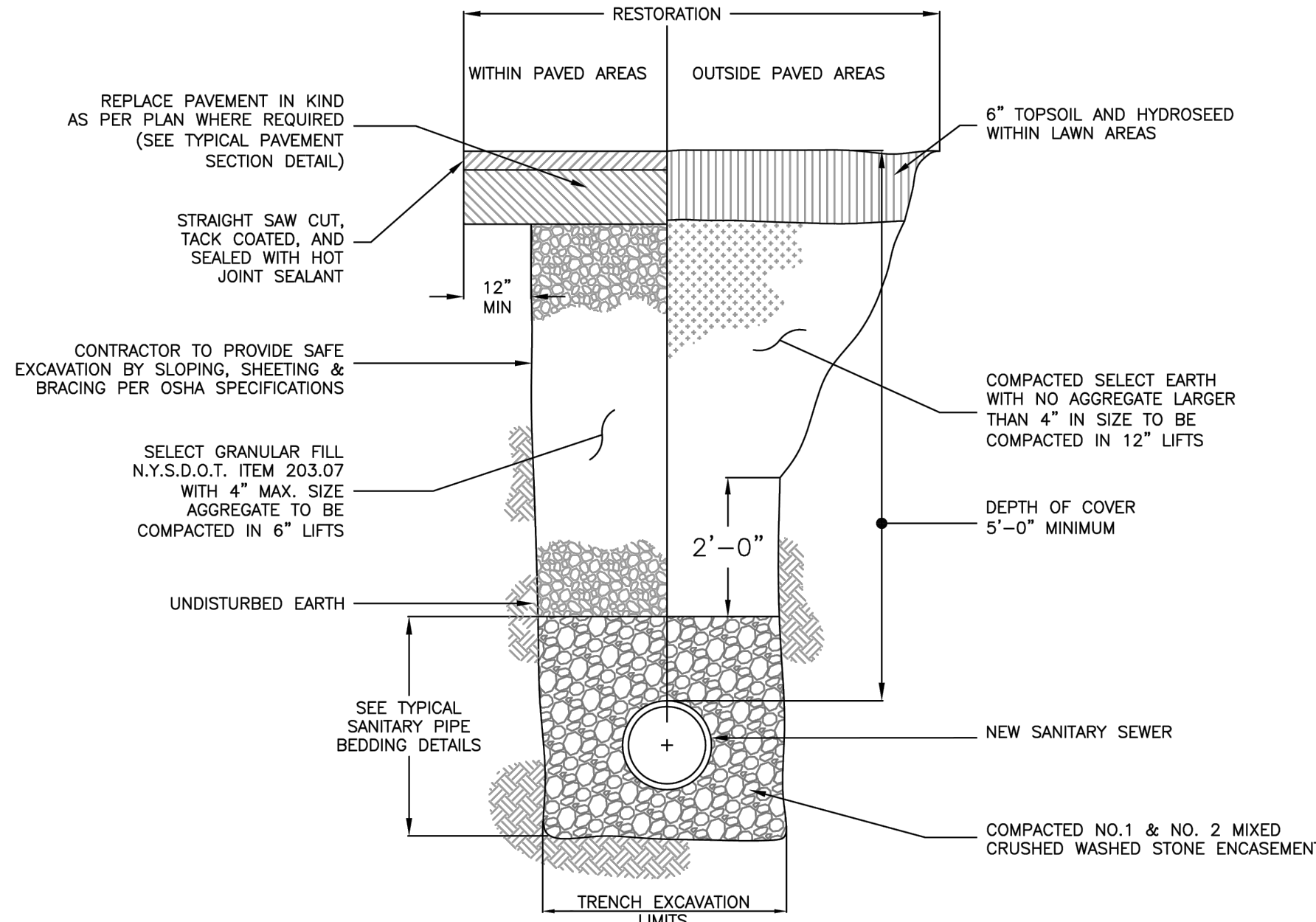
CONCRETE ENCASEMENT CONCRETE GRADLE

SANITARY PIPE BEDDING (SA-01)
N.T.S.

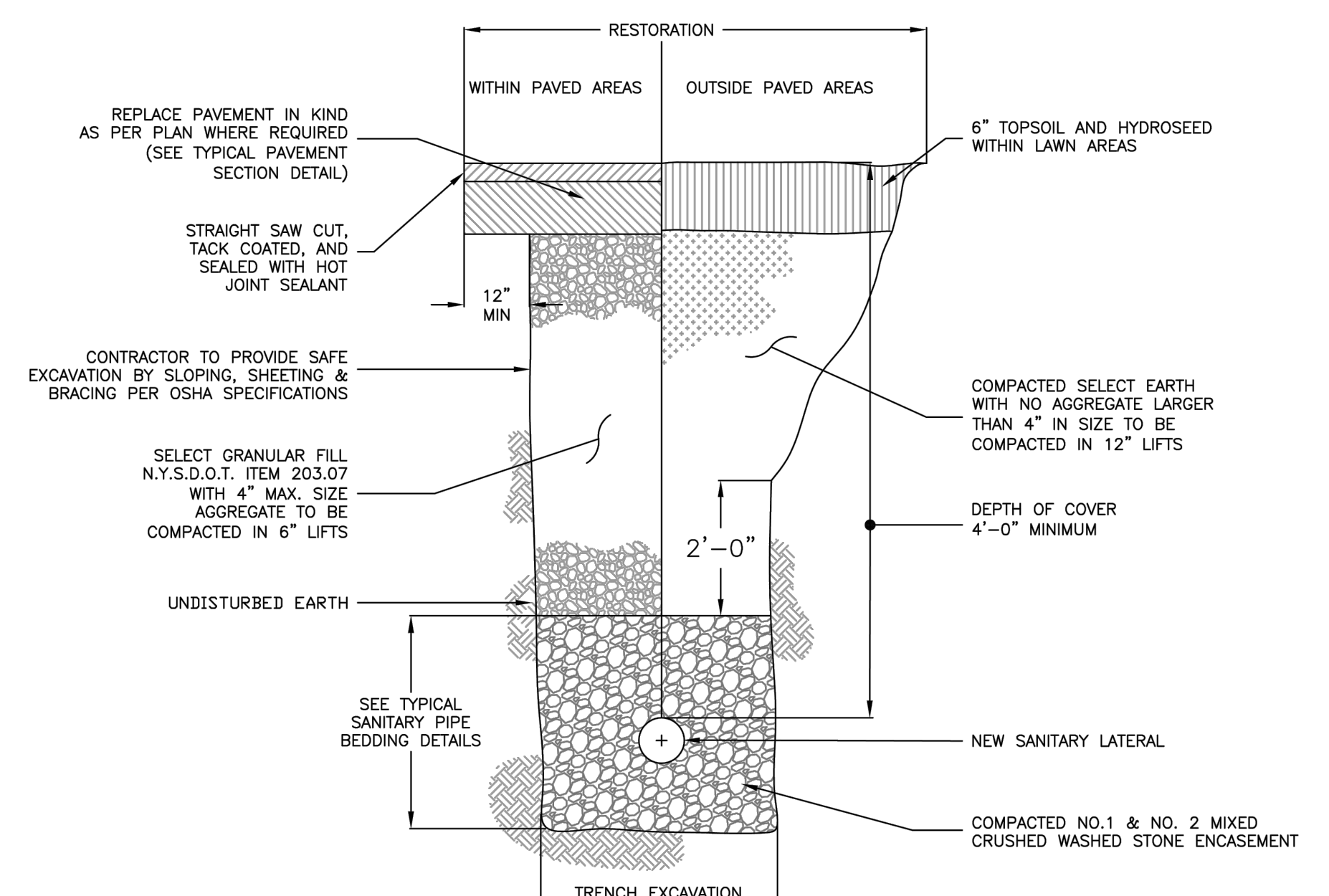
PIPE DIA.	A	B
UP TO 18"	12"	6"
21" TO 36"	18"	9"
OVER 36"	24"	12"

NOTES:

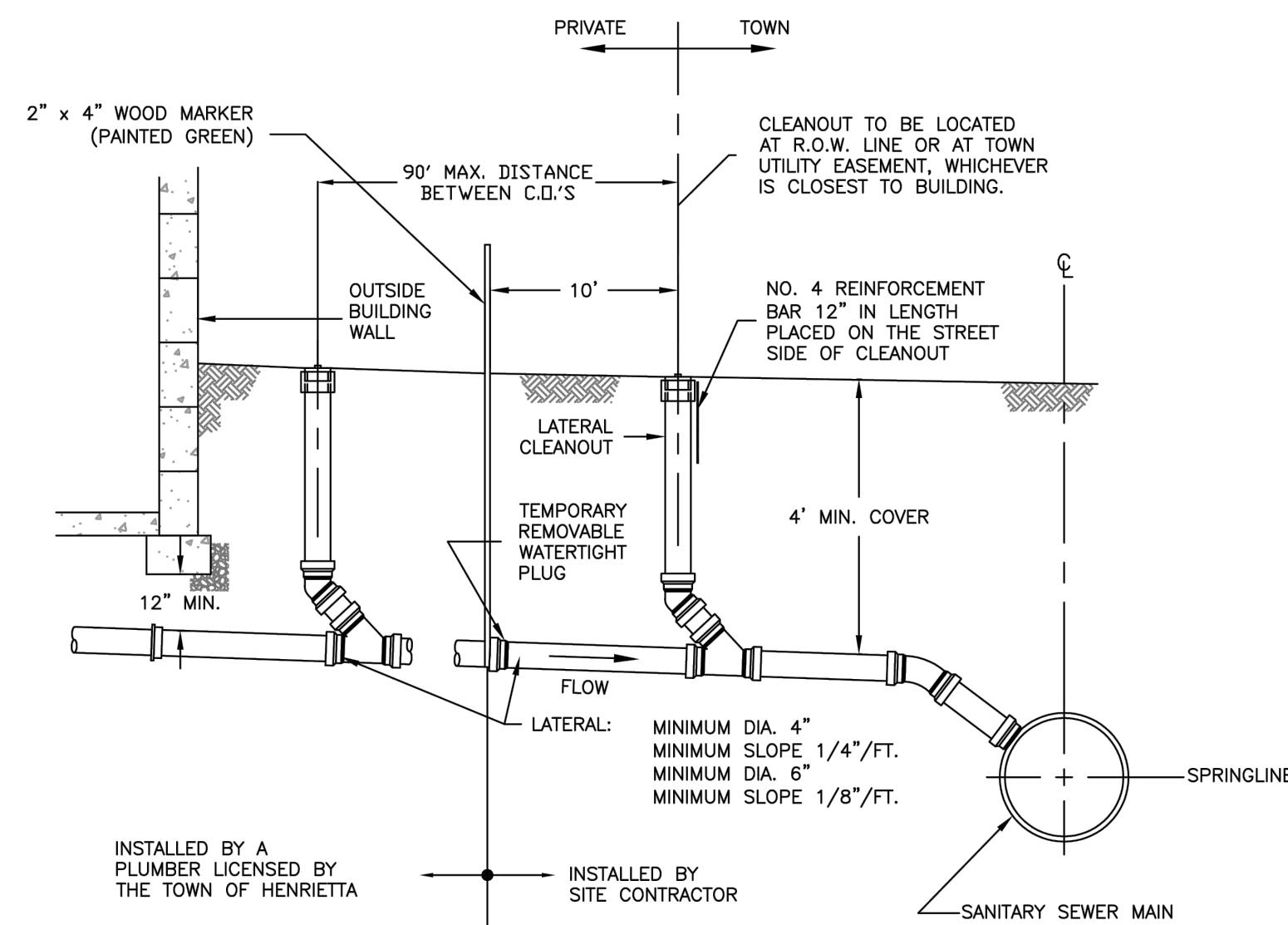
- ALL SANITARY SEWER PIPE SHALL BE 8" MINIMUM PIPE DIAMETER, POLYVINYL CHLORIDE PIPE (PVC SDR-35), BELL & SPIGOT TYPE & RUBBER GASKET.
- ALL SANITARY LATERAL PIPE SHALL BE 4" MINIMUM PIPE DIAMETER, POLYVINYL CHLORIDE PIPE (PVC SDR-21), BELL & SPIGOT TYPE & RUBBER GASKET OR SCHEDULE 40.
- SELECT EARTH SHALL BE SAND GRAVEL AND SIMILAR MATERIAL WHICH SHALL BE FREE FROM CLAY, LOAM, ORGANIC MATERIAL, DEBRIS, FROZEN MATERIAL AND SHALL CONTAIN ONLY SMALL AMOUNTS OF STONE, PEBBLES OR LUMPS OVER ONE INCH IN GREATEST DIMENSION BUT NONE OVER TWO INCHES IN GREATEST DIMENSIONS.
- STONE ENCASEMENT SHALL MEAN APPROVED IMPORTED AGGREGATE MEETING THE REQUIREMENTS OF THE NYS DOT, STANDARD SPECIFICATION, MAY 1, 2008 EDITION PAGES 7-14, SUBSECTION 703-0201 "CRUSHED STONE", PRIMARY SIZE OR A MIXTURE OF PRIMARY SIZES 1 AND 2.
- CONCRETE SHALL BE CAST-IN-PLACE CLASS "A" MEETING NYS DOT SECTION 501 SPECIFICATIONS.



TYPICAL SANITARY SEWER TRENCH (SA-02)
N.T.S.



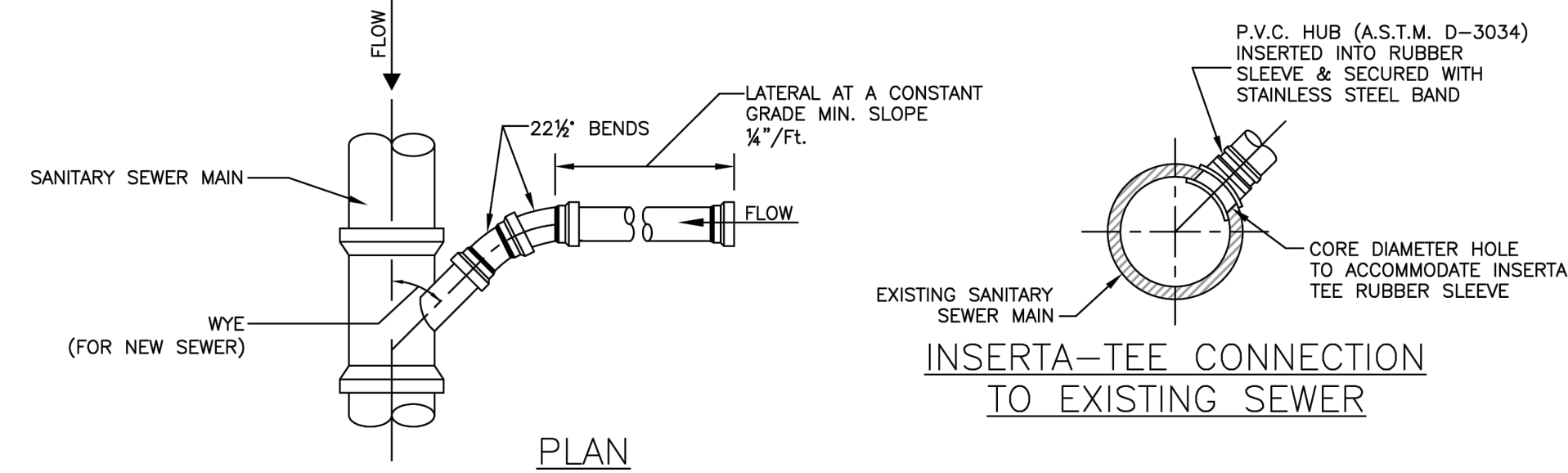
TYPICAL SANITARY LATERAL TRENCH (SA-03)
N.T.S.



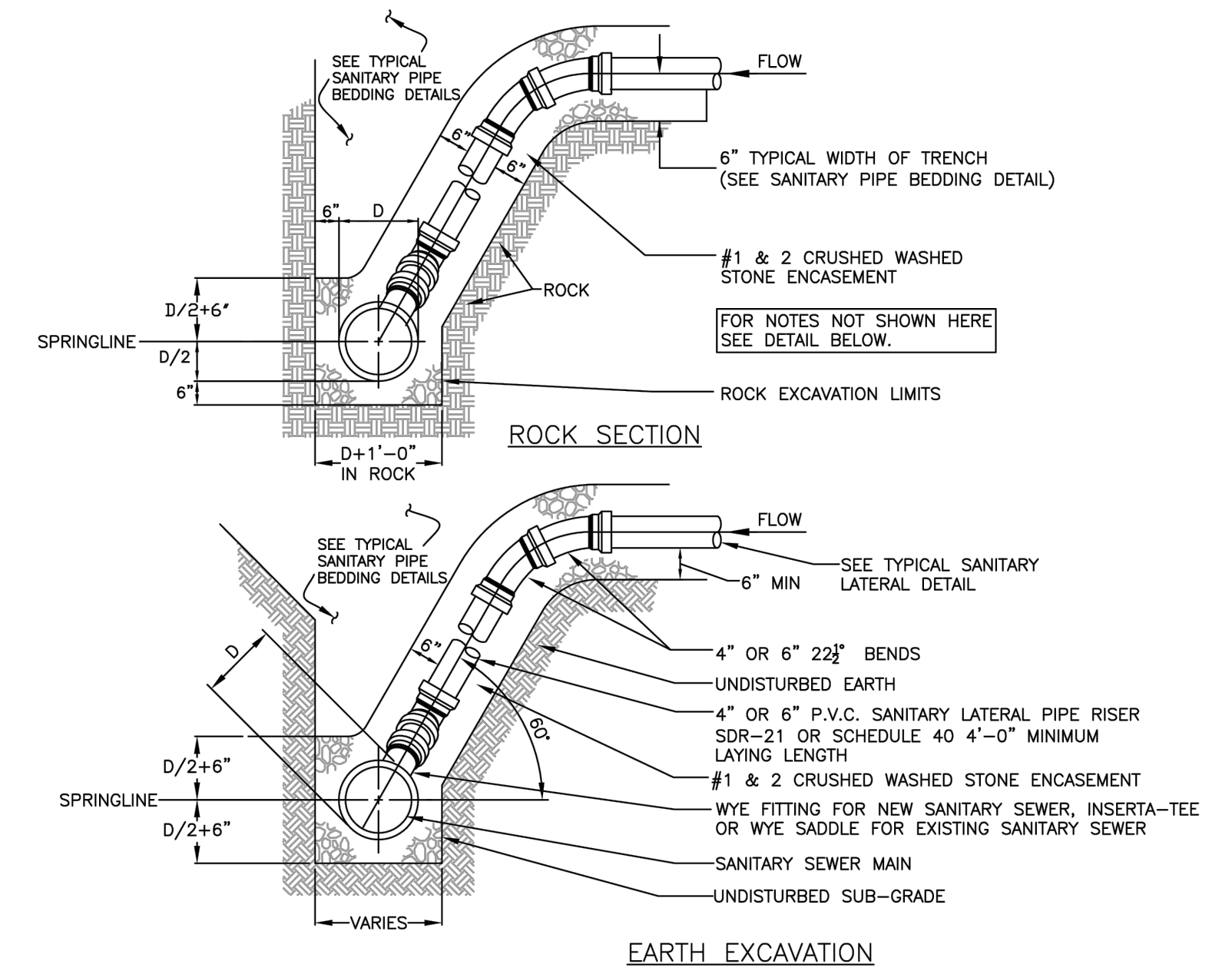
NOTES:

- WHEN THE SEWER MAIN IS LESS THAN 8 FT. IN DEPTH THE LATERAL SHALL HAVE A CONSTANT GRADE TO THE SEWER MAIN CONNECTION.
- WHEN THE SEWER MAIN IS GREATER THAN 8 FT. IN DEPTH, A RISER SECTION MAY BE USED TO CONNECT THE CONSTANT GRADE LATERAL WITH THE SEWER MAIN.
- FOR "HUNG" PLUMBING, PROVIDE 4' MIN. COVER OVER LATERAL AT THE BASEMENT WALL AND ALONG THE ROUTE OF THE LATERAL.
- THE MATERIAL FOR THE SANITARY LATERAL SHALL BE PVC SDR-21.

TYPICAL HOUSE SANITARY LATERAL PROFILE (SA-04)
N.T.S.

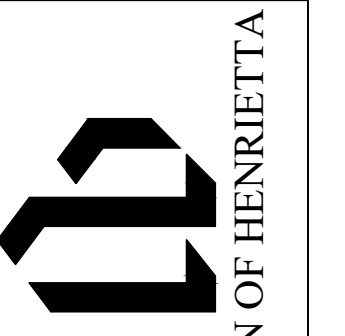
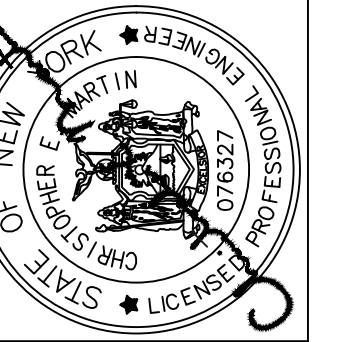


SANITARY LATERAL CONNECTION (SA-05)
N.T.S.



SANITARY LATERAL RISER (SA-06)
N.T.S.

SCALE	N.T.S.	DATE	1/17/24	JOB NO.	T21-01	DESIGNED BY	L. BUSHEN	DRAWN BY	J. DIPIFFO	CHECKED BY	C. MARTIN	APPROVED BY	C. MARTIN	DESCRIPTION	INITIALS	DATE
REVISIONS																



TOWN OF HENRIETTA

TOWN OF HENRIETTA
475 CALKINS ROAD
HENRIETTA, N.Y. 14467
LEHIGH STATION ROAD SANITARY SEWER EXTENSION - PHASE 2
DETAILS-1

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 NYSD'S 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 NYSD 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.

GENESESE CO. - (585) 343-6592	LIVINGSTON CO. - (585) 346-3036	
MONROE CO. - WEST OF GENESESE RIVER (585) 353-3471	MONROE CO. - EAST OF GENESESE RIVER (585) 586-4514	
ONTARIO CO. - (585) 396-4977	ORLEANS CO. - (585) 589-6655	
WAYNE CO. - (315) 332-4000	WYOMING CO. - (585) 786-3310	

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.

PROPOSED CLOSURES WILL BE REVIEWED FOR CONCURRENT AND OVERLAPPING CLOSURES OR INCIDENT CONFLICTS AND WILL BE ENTERED INTO 511.NY.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 CLOSURES. ALL LANE AND SHOULDER CLOSURES SHALL BE REMOVED DURING NON-WORKING HOURS, EXCEPT WHERE AUTHORIZED BY THE NYSDOT REGIONAL TRAFFIC ENGINEER OR DESIGNER.

6. 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 STRIKE-A-LIT.

7. WORK ZONE TRAFFIC CONTROL STANDARD SHEETS NOT INCLUDED IN THE PERMIT PACKAGE SHALL NOT BE UTILIZED UNLESS APPROVED BY THE REGIONAL TRAFFIC ENGINEER.

8. 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 NYSD DEPARTMENT OF TRANSPORTATION'S STANDARD SHEETS.

9. 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.

10. 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 SELECTIVE MATERIALS AND LIGHTING.

11. 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 THE PERMITTEE FIND SOME PREVIOUSLY UNKNOWN UNDERGROUND IMPEDIMENTS TO ITS WORK, THE DEPARTMENT OF TRANSPORTATION SHALL HAVE NO OBLIGATION TO LIFT, 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.

12. 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.

13. 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.

14. NYSDOT OPERATIONS TAKE PRECEDENCE OVER HIGHWAY WORK PERMIT OPERATIONS. CONTRACTOR SHALL NOT HAVE WORK OPERATIONS IN PAVEMENT DURING INCLEMENT WEATHER CONDITIONS DURING SNOW AND ICE REMOVAL OPERATIONS ON STATE HIGHWAYS.

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.

Notes: 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.

SPECIAL ROAD CLOSURE NOTE:
NO SINGLE LANE CLOSURES WILL BE PERMITTED ON RT 253 FROM 7-8AM AND 3-5PM.

GENERAL NOTES

- 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 DOT ENGINEER FOR REVIEW AND APPROVAL BY THE REGIONAL DIRECTOR OR HIS/HER DESIGNEE FIVE (5) WORK DAYS PRIOR TO THE PLANNED IMPLEMENTATION OF SUCH PROPOSED REVISIONS. EXCEPT FOR CHANGES THAT ALTER THE SCOPE OF 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) WORK 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 UNOCCUPIED TRUCK POSITIONS OUTSIDE NORMAL WORK HOURS SHALL BE PROVIDED TO THE TRAFFIC ENGINEER. THE REGIONAL TRAFFIC ENGINEER WILL PROVIDE THE SUBMITTED INFORMATION TO REGIONAL MANAGEMENT, THE NEW YORK STATE POLICE, THE RESIDENT ENGINEER AND THE LOCAL POLICE.
- STANDARD SHEET 619-043 MAY BE USED FOR AN OFFSITE DETOUR SETUP FOR BOTH LONG TERM AND SHORT TERM WORK DURATIONS.
- REGIONAL HIGH-VOLUME RESTRICTIONS SHALL BE FOLLOWED. CONSULT WITH DOT ENGINEER IF EXCEPTION NEEDED.
- PLAN AHEAD TO AVOID CONFLICTING WORK ZONES. CHECK FOR CONSTRUCTION PROJECTS, CLOSURES, & RESTRICTIONS AT WWW.511.NY.ORG, WWW.DOT.NY.GOV/PROJECTS, AND WITH NYSDOT ENGINEERS.
- WORK ZONE INCIDENTS SHALL BE DOCUMENTED AND REPORTED USING EITHER THE DEPARTMENT'S WORK ZONE INCIDENT FORM OR THE CONSTRUCTION INCIDENT REPORTING SYSTEM, AS APPROPRIATE.
- CONSIDER CLOSURE WIDTH AND THE ABILITY TO ACCOMMODATE WIDE LOAD VEHICLES BEFORE ESTABLISHING WORK ZONES.
- IF THE WORK ZONE AFFECTS AN EXISTING ACCESSIBLE AND DETECTABLE PEDESTRIAN FACILITY, ACCESSIBILITY AND DETECTABILITY SHALL BE PROVIDED ALONG THE ALTERNATE ROUTE.

ACTIVITY AREA

- A 500' 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.
- THE LOCATIONS OF THE SIGNS SHOWN ON THE WORK ZONE TRAFFIC CONTROL PLANS AND DETAILS MAY BE ADJUSTED TO ACCOMMODATE LOCAL CONCERNS. THE FINAL LOCATIONS OF SIGNS ARE SUBJECT TO APPROVAL OF THE ENGINEER.
- FOR LONG TERM WORK OPERATIONS, ANY EXISTING SIGNS INCLUDING OVERHEAD SIGNS, WHICH CONFLICT WITH THE TEMPORARY TRAFFIC CONTROL SIGNAGE SHALL BE COVERED, REMOVED, OR OTHERWISE DEALT WITH BY THE CONTRACTOR. ANY APPROPRIATE EXISTING SIGNS SHALL BE RESTORED TO THEIR ORIGINAL CONDITION AND/OR LOCATION UNLESS OTHERWISE SPECIFIED IN THIS CONTRACT DOCUMENT.
- SIGNS AT OR NEAR INTERSECTIONS SHALL BE PLACED SO THAT THEY DO NOT OBSTRUCT A MOTORIST'S LINE OF SIGHT.
- SIGNS MOUNTED ON THE MEDIUM OF DIVIDED HIGHWAYS WHERE MEDIUM BARRIER IS IN PLACE SHALL BE MOUNTED ON THE BARRIER WITH A CANTILEVER TYPE BRACKET OR MOUNTED WITH THE APPROVAL OF THE DOT ENGINEER, LAYING THE SIGN DOWN IN A HORIZONTAL POSITION IF NOT PERMITTED.
- 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.
- NYSD-12 SHALL BE USED IN PLACE OF NYSD-11 WHEN A REDUCED REGULATORY SPEED LIMIT SIGN IS REQUIRED.
- 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. FLEXIBLE SIGNS MUST BE MOUNTED AT LEAST ONE FOOT ABOVE GRADE. MESH SIGNS SHALL NOT BE USED. USE RETRO REFLECTORIZED RIGID SIGNS FOR NIGHTTIME WORK.

LANE WIDTHS

- UNLESS AUTHORIZED BY THE ENGINEER, THE MINIMUM LANE WIDTHS FOR WORK ZONE TRAVEL LANE SHALL BE AS FOLLOWS: FREEWAYS AND/OR EXPRESSWAYS IS 11'. THE MINIMUM LANE WIDTH FOR ALL OTHER TYPES OF ROADWAYS IS 10'.
- A WRITTEN NOTE SHALL BE PROVIDED TO THE ENGINEER, A MINIMUM OF 21 CALENDAR DAYS IN ADVANCE, INFORMING ANY WORK THAT RESULTS IN THE REDUCED WIDTH OF AN EXISTING ROADWAY. SUCH THAT THE ENGINEER MAY NOTIFY THE REGIONAL PERMIT ENGINEER IN A TIMELY MANNER.
- IF THE WORK ZONE AFFECTS PEDESTRIANS, A MINIMUM PEDESTRIAN PATHWAY WIDTH OF 5 FEET SHALL BE MAINTAINED UNLESS OTHERWISE AUTHORIZED BY THE ENGINEER.
- TEMPORARY TRAFFIC ACCOMMODATIONS SHALL NOT BE LESS THAN WHAT CURRENTLY EXISTS UNLESS AUTHORIZED BY THE ENGINEER.

PROTECTIVE VEHICLES

- PROTECTIVE VEHICLES ARE DIVIDED INTO 2 CATEGORIES BASED ON THE GROSS VEHICLE WEIGHT (GVW):
 - PROTECTIVE VEHICLE LIGHT (PVL) SHALL HAVE A MINIMUM GVW OF 5,500 LBS. OR GREATER.
 - PROTECTIVE VEHICLE HEAVY (PVH) SHALL HAVE A MINIMUM GVW OF 22,000 LBS. OR GREATER.
- IF THE PROTECTIVE VEHICLE ENDOGNOMES INTO THE TRAVEL LANE, OR IF IT REMAINS ENTIRELY ON THE SHOULDER OF ANY HIGH SPEED ROAD (≥ 40 MPH), IT SHALL BE EQUIPPED WITH A DEPLOYED TRUCK/TRAILER MOUNTED IMPACT ATTENUATOR (TMA). SEE TABLE 311-01 ON SHEET 619-043. TABLES MAY BE USED TO MOUNT A LIGHTER VEHICLE UP TO THE INDICATED WEIGHT PROVIDED THE BALLAST IS SECURELY CONTAINED WITHIN AN ENCLOSED BODY OR OTHERWISE SECURELY FASTENED TO THE VEHICLE PURSUANT TO FEDERAL MOTOR CARRIER SAFETY ADMINISTRATION (FMCSA) LARGE REEFERMENT RULES, SUCH THAT:
 - THE BALLAST WILL NOT SEPARATE FROM THE VEHICLE UPON IMPACT AND
 - THE BALLAST WEIGHT WILL NOT EXCEED THE MANUFACTURER'S GROSS VEHICLE WEIGHT RATING (GVWR).
 TRUCK/TRAILER MOUNTED IMPACT ATTENUATORS SHALL NOT BE MOUNTED/INSTALLED ON VEHICLES WITH A GROSS WEIGHT LOWER THAN WHAT IS NORMALLY REQUIRED BY THE MANUFACTURER OF THE TMA.
- WHEN A PROTECTIVE VEHICLE IS USED BETWEEN THE WORK VEHICLE CREW OR HAZARD AND THE TRAFFIC IN A MOVING OPERATION IT IS REFERRED TO AS A SHARER VEHICLE.
- WHEN A PROTECTIVE VEHICLE IS USED BETWEEN THE WORK VEHICLE CREW OR HAZARD AND THE TRAFFIC IN A STATIONARY OPERATION IT IS REFERRED TO AS A BARBER VEHICLE.
- WHEN A PROTECTIVE VEHICLE IS USED IN ADVANCE OF EITHER MOVING OR STATIONARY OPERATIONS TO DISPLAY WORK MESSAGES IT IS REFERRED TO AS AN ADVANCE WARNING VEHICLE. WHEN SIGNS ARE MOUNTED ON AN ADVANCE WARNING VEHICLE, THEY SHALL NOT OBSTRUCT VISIBILITY OF ANY LIGHTS, FLAGSTICKS OR WARNING LIGHTS OR SIDE VIEW MIRRORS ON THE VEHICLE, OR TRUCK MOUNTED ARROW BOARDS.
- 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 HEADREST PROPERLY ADJUSTED, MAINTAIN VEHICLE SPACING, AND KEEP THE VEHICLE ALIGNED WITH THE LANE. CLOSING UP OR LANE TO MAINTAIN LANE DISCIPLINE AND TRAFFIC FLOW. THE OPERATOR SHALL BE RESPONSIBLE FOR MAINTAINING PROPER SPACING AND TRAFFIC FLOW. TWO-WAY RADIOS SHOULD BE USED TO COMMUNICATE BETWEEN THE OPERATOR AND THE WORK VEHICLE.
- 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 VEHICLES SHOULD BE PROTECTED FROM COLLISION WITH THE PROTECTIVE VEHICLE BY PLACING IN THE NEAR MANUAL TRANSMISSIONS, PARKING OFF OF PAVEMENT, NEUTRAL, AUTOMATIC TRANSMISSIONS, FRONT WHEELS SHALL BE LOCKED WITH THE LANE STRIPPING AND LANE TO MAINTAIN LANE DISCIPLINE AND TO STAY IN LANE IF STRUCK, IF NOT PERMITTED.
- NO WORK ACTIVITY, EQUIPMENT, VEHICLES AND/OR MATERIALS SHALL BE LOCATED BETWEEN THE PROTECTIVE VEHICLE AND THE ACTIVE WORK AREA ROLL AHEAD DISTANCE.
- DIRECT VERBAL COMMUNICATION BETWEEN THE PROTECTIVE VEHICLES AND THE WORK VEHICLES / EQUIPMENT SHALL BE UTILIZED WHERE AVAILABLE.

CHANNELIZING DEVICES

- WHERE POSSIBLE, ALL CHANNELIZING AND GUIDING DEVICES ARE TO BE PLACED SO AS TO PROVIDE A MINIMUM 2' LATERAL CLEARANCE TO THE TRAVELER WAY.
- A DROP-OFF OF GREATER THAN 24 INCHES WITHIN 10 FEET FROM THE EDGE OF THE TRAVELER WAY TO REMAIN AT THE END OF THE WORK SHEET SHALL BE SEPARATED FROM TRAFFIC WITH POSITIVE BARRIERS. THE POSITIVE BARRIERS SHALL BE PLACED WITHIN 24 INCHES OF THE EDGE OF THE TRAVELER WAY THAT IS 100 FEET OR LESS IN LENGTH AND BE ALIGNED WITH CHANNELIZING DEVICES CONSISTING OF DRUMS, EXTRA TALL CONES, OVERSIZED VERTICAL PANELS OR AT A MINIMUM SPACING OF 25 FEET FOR SHORT DURATIONS NOT TO EXCEED ONE WORK SHEET.
- TEMPORARY POSITIVE BARRIERS WILL BE SUBSTITUTED WITH DRUM CHANNELIZING DEVICES, IN SOME CIRCUMSTANCES, WITH APPROVAL OF THE REGIONAL TRAFFIC ENGINEER BASED ON GUIDANCE FOUND IN THE HIGHWAY DESIGN MANUAL AND ENGINEERING ADJUDICATOR.

PUBLIC ACCESS

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

LANE CLOSURES

- 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 OPENED AT ANY TIME IF THE ROUTE IS NEARLY OR COMPLETELY CLOSED. THIS COULD INCLUDE INCIDENTS AT LOCATION OUTSIDE THE CONTRACT LIMITS.
- EACH ARROW PANEL SHALL BE VISIBLE 1500 FEET IN ADVANCE FROM ANY POINT WITHIN THE ROADWAY.

NEW YORK STATE OF TRANSPORTATION
Department of Transportation

U.S. CUSTOMARY STANDARD SHEET

WORK ZONE TRAFFIC CONTROL GENERAL NOTES SHEET 1 OF 2

APPROVED DECEMBER 28, 2021 ISSUED UNDER EIT 22-033
Robert Longo, P.E. DIRECTOR, OTSM

ISSUED UNDER EIT 22-033
619-010

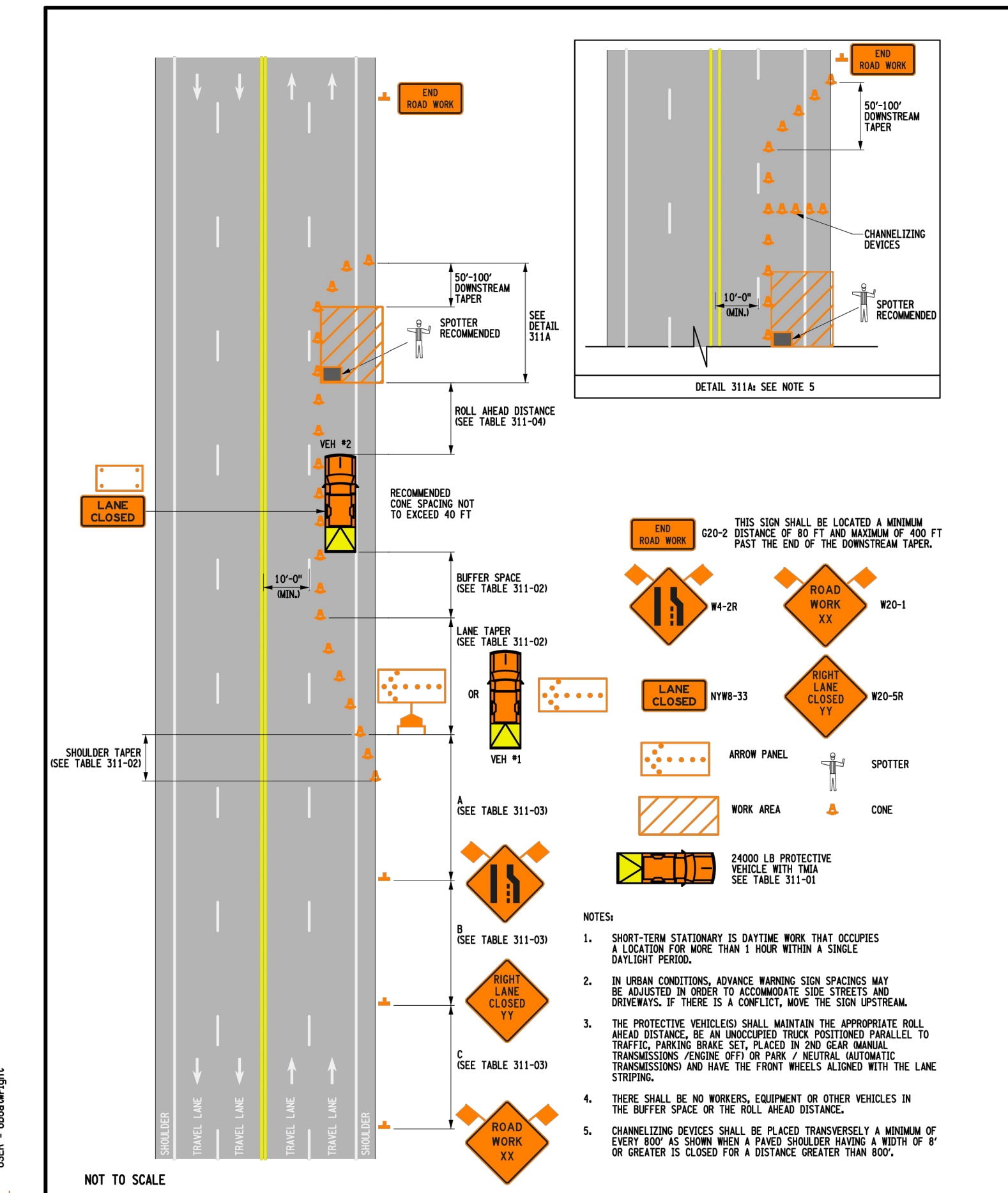


TABLE 311-01: PROTECTIVE VEHICLE REQUIREMENTS

CLOSURE TYPE	ROAD TYPE & SPEED	NON-FREEMAN		
		> 45 MPH	35 - 40 MPH	≤ 30 MPH
LANE CLOSURE OR ENCHAMMENT	EXPOSURE CONDITIONS: WORKERS ON FOOT OR VEHICLE EXPOSED TO TRAFFIC	P, TMA	P, TMA	P
	OTHER HAZARDS: NO WORKERS EXPOSED	P, TMA	P	SEE NOTE 2
SHOULDER CLOSURE OR ENCHAMMENT	WORKERS ON FOOT OR VEHICLE EXPOSED TO TRAFFIC	P, TMA	P	P
	OTHER HAZARDS: NO WORKERS EXPOSED	P, TMA	P	SEE NOTE 2

TABLE 311-02: LONGITUDINAL BUFFER SPACE AND TAPER LENGTHS

PRECONSTRUCTION POSTED SPEED LIMIT (MPH)	LONGITUDINAL BUFFER SPACE (FT.) # OF SHIP LINES*	TAPER LENGTH L (FT.) # OF CHANNELIZING DEVICES			SHOULDER TAPER LENGTH L/S (FT.) # OF SHIP LINES* # OF CHANNELIZING DEVICES		
		FOR LANE WIDTH IN FT.	LATERAL SHIFT OF TRAFFIC FLOW PATR	FOR SHOULDER WIDTH			
25	155/4	120/3/4	120/3/4	120/3/4	40/1/2	40/1/2	40/1/2
30	200/5	160/4/5	160/4/5	200/5/6	40/1/2	40/1/2	40/1/2
35	220/6	200/5/6	240/6/7	240/6/7	40/1/2	40/1/2	80/2/3
40	305/8	280/7/8	320/8/9	320/8/9	40/1/2	80/2/3	80/2/3
45	360/9	440/11/12	520/13/14	560/14/15	80/2/3	80/2/3	120/3/4
50	425/11	520/13/14	560/14/15	600/15/16	80/2/3	120/3/4	160/4/5
55	495/13	560/14/15	600/15/16	640/17/18	80/2/3	120/3/4	160/4/5

TABLE 311-03: ADVANCE WARNING SIGN SPACING

ROAD TYPE	DISTANCE BETWEEN SIGNS		SIGN LEGEND	
	A (FT.)	B (FT.)	X	Y
URBAN (≥ 30 MPH)	100	100	100	AHEAD
URBAN (15-30 MPH)	200	200	200	AHEAD
URBAN (≤ 15 MPH)	300	300	300	AHEAD
RURAL	500	500	500 FT. 1000 FT.	AHEAD

TABLE 311-04: ROLL AHEAD DISTANCE

PRECONSTRUCTION POSTED SPEED LIMIT (MPH)	STATIONARY OPERATION	
	MIN	MAX
≤ 35	120/3	200/5
45 - 50	80/2	160/4
≥ 40	40/1	120/3

TABLE 311-05: REQUIRED SIGN SIZES*

SIGN	NON-FREEMAN	FREEMAN
G20-2	36x18	48x24
NYW-33	48x24	48x24
W4-R	36x24	48x48
W20-1	36x24	48x48
W20-SR	36x24	48x48
WARNING FLAG	18x18	18x18

NOTES:

- SHORT-TERM STATIONARY IS DAYTIME WORK THAT OCCUPIES A LOCATION FOR MORE THAN 1 HOUR WITHIN A SINGLE DAYLIGHT PERIOD.
- IN URBAN CONDITIONS, ADVANCE WARNING SIGN SPACINGS MAY BE ADJUSTED IN ORDER TO ACCOMMODATE SIDE STREETS AND DRIVEWAYS, IF THERE IS A CONFLICT, MOVE THE SIGN SYSTEM.
- THE PROTECTIVE VEHICLES SHALL MAINTAIN THE APPROPRIATE ROLL AHEAD DISTANCE, BE AN UNOCCUPIED TRUCK POSITIONS PARALLEL TO TRAFFIC, MAINTAIN GRADE SET, PLACED IN TWO SEPARATE TRANSMISSIONS (PARKING OFF OF PAVEMENT, NEUTRAL, AUTOMATIC TRANSMISSIONS) AND HAVE THE FRONT WHEELS ALIGNED WITH THE LANE STRIPPING.
- THERE SHALL BE NO WORKERS, EQUIPMENT OR OTHER VEHICLES IN THE BUFFER SPACE OR THE ROLL AHEAD DISTANCE.
- CHANNELIZING DEVICES SHALL BE PLACED TRANSVERSELY A MINIMUM OF EVERY 200' AS SHOWN WITH A TAPER SHOULDER WIDTH A WIDTH OF 4' OR GREATER IS CLOSED FOR A DISTANCE GREATER THAN 200'.

NEW YORK STATE OF TRANSPORTATION
Department of Transportation

U.S. CUSTOMARY STANDARD SHEET

WORK ZONE TRAFFIC CONTROL MULTILANE UNDIVIDED ROADWAY RIGHT LANE CLOSURE SHORT TERM OPERATION

APPROVED DECEMBER 28, 2021 ISSUED UNDER EIT 21-038
Robert Longo, P.E. DIRECTOR, OTSM

ISSUED UNDER EIT 22-033
619-111

N:\AutoCAD Projects\Non-Town Wide\Sanitary\2021\Lehigh Station Road Sanitary Sewer - Phase 2.dwg

DWG. NO. C204
SHEET NO. 9 of 10

TOWN OF HENRIETTA
475 CALKINS ROAD
HENRIETTA, N.Y. 14467
LEHIGH STATION ROAD SANITARY SEWER EXTENSION - PHASE 2
NYSDOT WZTC NOTES & DETAILS

SCALE: N-T-S 1/4"=1'-0"

DATE: 1/17/24

JOB NO. T21-01

DESIGNED BY: L. BUSHEN

DRAWN BY: J. DIPIUPPO

CHECKED BY: C. MARTIN

APPROVED BY: C. MARTIN

INITIALS

DATE

REVISIONS

DESCRIPTION

FILE NAME = 8/24/2021 10:46 AM
DATE PLOTTED = 8/24/2021 10:46 AM
PLOT USER = J. MARTIN

FILE NAME = 8/24/2021 10:46 AM
DATE PLOTTED = 8/24/2021 10:46 AM
PLOT USER = J. MARTIN

WORK ZONE TRAFFIC CONTROL LEGEND		WORK ZONE TRAFFIC CONTROL LEGEND	
SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
	ARROW PANEL		SIGN, TEMPORARY
	ARROW PANEL, CAUTION MODE		SPOTTER
	ARROW PANEL, TRAILER OR SUPPORT		TEMPORARY POSITIVE BARRIER
	CHANGEABLE MESSAGE SIGN (PMS)		TEMPORARY POSITIVE BARRIER WITH WARNING LIGHTS
	CHANNELIZING DEVICE		TEMPORARY TRAFFIC SIGNAL HEAD
	CONE		TYPE III BARRICADE
	CRASH CUSHION/TEMPORARY IMPACT ATTENUATOR		WARNING LIGHTS
	DIRECTION OF TEMPORARY TRAFFIC DETOUR		WORK AREA
	DIRECTION OF TRAFFIC		WORK VEHICLE
	AUTOMATED FLAGGER ASSISTANCE DEVICE WITH OPERATOR		WORK VEHICLE MALCHING/HERBICIDE OPERATION
	FLAGGER		WORK VEHICLE (PAVEMENT MARKING)
	FLAG TREE		WORK VEHICLE (SIGNAL WORK)
	LUMINAIRE		PROTECTIVE VEHICLE
	MOWER		PROTECTIVE VEHICLE LIGHT
	PARKWAY GRASS SHOULDER		PROTECTIVE VEHICLE HEAVY
	PAVEMENT MARKINGS THAT SHALL BE RESTORED FOR A LONG TERM PROJECT		TRUCK/TRAILER MOUNTED IMPACT ATTENUATOR (TMIA)
	PORTABLE VARIABLE MESSAGE SIGN		
	ADVANCE WARNING SIGN WITH ORANGE FLARES		
	TRAILER FOR ARROW PANEL OR PORTABLE VARIABLE MESSAGE SIGN (PMS)		

NEW YORK STATE OF OPPORTUNITY
Department of Transportation
U.S. CUSTOMARY STANDARD SHEET

WORK ZONE TRAFFIC CONTROL GENERAL TABLES AND LEGEND (SHEET 1 OF 2)

ERRATA 2 EFF. 09/01/23 ISSUED WITH EB 23-016
ERRATA 1 EFF. 05/01/2023 ISSUED WITH EB 22-033

APPROVED DECEMBER 21, 2022 ISSUED UNDER E1 22-033
Robert C. Longo, P.E., DIRECTOR, OTSM

619-011

FILE NAME = 8/24/2021 10:46 AM
DATE PLOTTED = 8/24/2021 10:46 AM
PLOT USER = J. MARTIN

WORK ZONE TRAFFIC CONTROL SIGN TABLE						WORK ZONE TRAFFIC CONTROL SIGN TABLE						WORK ZONE TRAFFIC CONTROL SIGN TABLE						WORK ZONE TRAFFIC CONTROL SIGN TABLE					
SIGN	SIGN DESIGNATION	COLOR CODE	NON-FREEMAY	EXPRESSWAY	FREEMAY	SIGN	SIGN DESIGNATION	COLOR CODE	NON-FREEMAY	EXPRESSWAY	FREEMAY	SIGN	SIGN DESIGNATION	COLOR CODE	NON-FREEMAY	EXPRESSWAY	FREEMAY	SIGN	SIGN DESIGNATION	COLOR CODE	NON-FREEMAY	EXPRESSWAY	FREEMAY
	W1-1	A	36"x36"	48"x48"	48"x48"		W1-2	B	24"x24"	48"x48"	48"x48"		W1-3	A	36"x36"	48"x48"	48"x48"		W1-4	A	36"x36"	48"x48"	48"x48"
	W1-5	A	36"x36"	48"x48"	48"x48"		W1-6	A	36"x36"	48"x48"	48"x48"		W1-7	A	36"x36"	48"x48"	48"x48"		W1-8	A	36"x36"	48"x48"	48"x48"
	W1-9	A	36"x36"	48"x48"	48"x48"		W1-10	A	36"x36"	48"x48"	48"x48"		W1-11	A	36"x36"	48"x48"	48"x48"		W1-12	A	36"x36"	48"x48"	48"x48"
	W1-13	A	36"x36"	48"x48"	48"x48"		W1-14	A	36"x36"	48"x48"	48"x48"		W1-15	A	36"x36"	48"x48"	48"x48"		W1-16	A	36"x36"	48"x48"	48"x48"
	W1-17	A	36"x36"	48"x48"	48"x48"		W1-18	A	36"x36"	48"x48"	48"x48"		W1-19	A	36"x36"	48"x48"	48"x48"		W1-20	A	36"x36"	48"x48"	48"x48"
	W1-21	A	36"x36"	48"x48"	48"x48"		W1-22	A	36"x36"	48"x48"	48"x48"		W1-23	A	36"x36"	48"x48"	48"x48"		W1-24	A	36"x36"	48"x48"	48"x48"
	W1-25	A	36"x36"	48"x48"	48"x48"		W1-26	A	36"x36"	48"x48"	48"x48"		W1-27	A	36"x36"	48"x48"	48"x48"		W1-28	A	36"x36"	48"x48"	48"x48"
	W1-29	A	36"x36"	48"x48"	48"x48"		W1-30	A	36"x36"	48"x48"	48"x48"		W1-31	A	36"x36"	48"x48"	48"x48"		W1-32	A	36"x36"	48"x48"	48"x48"
	W1-33	A	36"x36"	48"x48"	48"x48"		W1-34	A	36"x36"	48"x48"	48"x48"		W1-35	A	36"x36"	48"x48"	48"x48"		W1-36	A	36"x36"	48"x48"	48"x48"
	W1-37	A	36"x36"	48"x48"	48"x48"		W1-38	A	36"x36"	48"x48"	48"x48"		W1-39	A	36"x36"	48"x48"	48"x48"		W1-40	A	36"x36"	48"x48"	48"x48"
	W1-41	A	36"x36"	48"x48"	48"x48"		W1-42	A	36"x36"	48"x48"	48"x48"		W1-43	A	36"x36"	48"x48"	48"x48"		W1-44	A	36"x36"	48"x48"	48"x48"
	W1-45	A	36"x36"	48"x48"	48"x48"		W1-46	A	36"x36"	48"x48"	48"x48"		W1-47	A	36"x36"	48"x48"	48"x48"		W1-48	A	36"x36"	48"x48"	48"x48"
	W1-49	A	36"x36"	48"x48"	48"x48"		W1-50	A	36"x36"	48"x48"	48"x48"		W1-51	A	36"x36"	48"x48"	48"x48"		W1-52	A	36"x36"	48"x48"	48"x48"
	W1-53	A	36"x36"	48"x48"	48"x48"		W1-54	A	36"x36"	48"x48"	48"x48"		W1-55	A	36"x36"	48"x48"	48"x48"		W1-56	A	36"x36"	48"x48"	48"x48"
	W1-57	A	36"x36"	48"x48"	48"x48"		W1-58	A	36"x36"	48"x48"	48"x48"		W1-59	A	36"x36"	48"x48"	48"x48"		W1-60	A	36"x36"	48"x48"	48"x48"
	W1-61	A	36"x36"	48"x48"	48"x48"		W1-62	A	36"x36"	48"x48"	48"x48"		W1-63	A	36"x36"	48"x48"	48"x48"		W1-64	A	36"x36"	48"x48"	48"x48"
	W1-65	A	36"x36"	48"x48"	48"x48"		W1-66	A	36"x36"	48"x48"	48"x48"		W1-67	A	36"x36"	48"x48"	48"x48"		W1-68	A	36"x36"	48"x48"	48"x48"
	W1-69	A	36"x36"	48"x48"	48"x48"		W1-70	A	36"x36"	48"x48"	48"x48"		W1-71	A	36"x36"	48"x48"	48"x48"		W1-72	A	36"x36"	48"x48"	48"x48"
	W1-73	A	36"x36"	48"x48"	48"x48"		W1-74	A	36"x36"	48"x48"	48"x48"		W1-75	A	36"x36"	48"x48"	48"x48"		W1-76	A	36"x36"	48"x48"	48"x48"
	W1-77	A	36"x36"	48"x48"	48"x48"		W1-78	A	36"x36"	48"x48"	48"x48"		W1-79	A	36"x36"	48"x48"	48"x48"		W1-80	A	36"x36"	48"x48"	48"x48"
	W1-81	A	36"x36"	48"x48"	48"x48"		W1-82	A	36"x36"	48"x48"	48"x48"		W1-83	A	36"x36"	48"x48"	48"x48"		W1-84	A	36"x36"	48"x48"	48"x48"
	W1-85	A	36"x36"	48"x48"	48"x48"		W1-86	A	36"x36"	48"x48"	48"x48"		W1-87	A	36"x36"	48"x48"	48"x48"		W1-88	A	36"x36"	48"x48"	48"x48"
	W1-89	A	36"x36"	48"x48"	48"x48"		W1-90	A	36"x36"	48"x48"	48"x48"		W1-91	A	36"x36"	48"x48"	48"x48"		W1-92	A	36"x36"	48"x48"	48"x48"
	W1-93	A	36"x36"	48"x48"	48"x48"		W1-94	A	36"x36"	48"x48"	48"x48"		W1-95	A	36"x36"	48"x48"	48"x48"		W1-96	A	36"x36"	48"x48"	48"x48"
	W1-97	A	36"x36"	48"x48"	48"x48"		W1-98	A	36"x36"	48"x48"	48"x48"		W1-99	A	36"x36"	48"x48"	48"x48"		W1-100	A	36"x36"	48"x48"	48"x48"

NEW YORK STATE OF OPPORTUNITY
Department of Transportation
U.S. CUSTOMARY STANDARD SHEET

WORK ZONE TRAFFIC CONTROL SIGN TABLE (SHEET 2 OF 2)

ERRATA 2 EFF. 09/01/23 ISSUED WITH EB 23-016
ERRATA 1 EFF. 05/01/2023 ISSUED WITH EB 22-033

APPROVED DECEMBER 21, 2022 ISSUED UNDER E1 22-033
Robert C. Longo, P.E., DIRECTOR, OTSM

619-011

FILE NAME = 8/24/2021 10:46 AM
DATE PLOTTED = 8/24/2021 10:46 AM
PLOT USER = J. MARTIN

TABLE 011-01: PROTECTIVE VEHICLE REQUIREMENTS ^{A,B}																				
CLOSURE TYPE	ROAD TYPE & SPEED	MOBILE OPERATION AND STOP & GO				SHORT DURATION OPERATION				INTERMEDIATE TERM OPERATION				LONG TERM OPERATION						
		FREEWAY	NON-FREEMAY	EXPRESSWAY	FREEMAY	FREEWAY	NON-FREEMAY	EXPRESSWAY	FREEMAY	FREEWAY	NON-FREEMAY	EXPRESSWAY	FREEMAY	FREEWAY	NON-FREEMAY	EXPRESSWAY	FREEMAY			
LANE CLOSURE OR ENCROACHMENT	EXPOSURE CONDITIONS (SEE NOTE 1)	≥ 45 MPH	35 - 40 MPH	≤ 30 MPH	≥ 45 MPH	35 - 40 MPH	≤ 30 MPH	≥ 45 MPH	35 - 40 MPH	≤ 30 MPH	≥ 45 MPH	35 - 40 MPH	≤ 30 MPH	≥ 45 MPH	35 - 40 MPH	≤ 30 MPH	≥ 45 MPH	35 - 40 MPH	≤ 30 MPH	
	WORKERS ON FOOT OR WORK VEHICLE EXPOSED TO TRAFFIC	PWH-TMA	PWH-TMA	PWL-TMA	PWL	PWH-TMA	PWH-TMA	PWL-TMA	PWL	PWH-TMA	PWH-TMA	PWL-TMA	PWL	PWH-TMA	PWH-TMA	PWL-TMA	PWL	PWH-TMA	PWH-TMA	PWL-TMA
SHOULDER CLOSURE OR ENCROACHMENT	EXPOSURE CONDITIONS (SEE NOTE 1)	≥ 45 MPH	35 - 40 MPH	≤ 30 MPH	≥ 45 MPH	35 - 40 MPH	≤ 30 MPH	≥ 45 MPH	35 - 40 MPH	≤ 30 MPH	≥ 45 MPH	35 - 40 MPH	≤ 30 MPH	≥ 45 MPH	35 - 40 MPH	≤ 30 MPH	≥ 45 MPH	35 - 40 MPH	≤ 30 MPH	
	WORKERS ON FOOT OR WORK VEHICLE EXPOSED TO TRAFFIC	PWH-TMA	PWH-TMA	PWL-TMA	PWL	PWH-TMA	PWH-TMA	PWL-TMA	PWL	PWH-TMA	PWH-TMA	PWL-TMA	PWL	PWH-TMA	PWH-TMA	PWL-TMA	PWL	PWH-TMA	PWH-TMA	PWL-TMA

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WORK ZONE TRAFFIC CONTROL GENERAL TABLES AND LEGEND (SHEET 2 OF 2)

ERRATA 2 EFF. 09/01/23 ISSUED WITH EB 23-016
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FILE NAME = 8/24/2021 10:46 AM
DATE PLOTTED = 8/24/2021 10:46 AM
PLOT USER = J. MARTIN

SCALE: N.T.S.

DATE: 1/17/24

JOB NO.: 121-01

DESIGNED BY: L. BUSHEN

DRAWN BY: J. DIPIFFO

CHECKED BY: C. MARTIN

APPROVED BY: C. MARTIN

REVISIONS

DESCRIPTION

INITIALS

DATE

TOWN OF HENRIETTA
475 CALKINS ROAD
HENRIETTA, N.Y. 14467

LEHIGH STATION ROAD SANITARY SEWER EXTENSION - PHASE 2
NYS DOT WZTC NOTES & DETAILS

DWG. NO. C205

SHEET NO. 10 of 10