



Engineering
& Design

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SYRACUSE (BA)

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Tower 2, Ste 500
Syracuse, NY 13202
Phone: 315.422.5200

COLLIERS ENGINEERING & DESIGN,
ARCHITECTURE, LANDSCAPE ARCHITECTURE,
SURVEYING CT, P.C.



Thruway
Authority

**SYRACUSE DIVISION
PORT BYRON SERVICE AREA**

WATER MAIN REPLACEMENT

AT

MILEPOST 310.2

IN

CAYUGA COUNTY

TAS 26-10A

D215078

25 SHEETS

TYPE OF CONSTRUCTION:

ARCHITECTURAL PROJECT REQUIRING LABOR AND MATERIALS FOR
CONSTRUCTION OF NEW WATER MAIN TO THE PORT BYRON SERVICE AREA

CODE OF COMPLIANCE:

ALL WORK DESCRIBED AND TO BE PERFORMED UNDER THIS CONTRACT, SHALL
CONFORM TO THE PROVISIONS OUTLINED BY 19 NYCRR, THE NEW YORK STATE
UNIFORM FIRE PREVENTION AND BUILDING CODE(S) AND ITS REFERENCE
STANDARDS.

BUILDING CLASSIFICATIONS:

OCCUPANCY CLASSIFICATION: NA

CONSTRUCTION CLASSIFICATION: NA

NOTES:

ALL WORK CONTEMPLATED UNDER THIS CONTRACT IS TO BE COVERED BY AND
IN CONFORMITY WITH THE STANDARD SPECIFICATIONS (US CUSTOMARY)
REFERENCED IN THE CONTRACT "PROPOSAL" EXCEPT AS MODIFIED BY THESE
PLANS OR CHANGES SET FORTH IN THE CONTRACT "PROPOSAL".

STANDARD SHEETS:

THE LATEST REVISIONS OF THE STANDARD SHEETS MAINTAINED BY NYSDOT,
WHICH ARE CURRENT AS OF THE STANDARD SPECIFICATIONS ADOPTION DATE
SHOWN ON THE PROPOSAL COVER SHALL BE CONSIDERED TO BE IN EFFECT.
ALL PAY ITEMS AND WORK CONTAINED IN THE CONTRACT AND ANY
ADDITIONAL PAY ITEMS AND WORK ENCOUNTERED DURING THE COURSE OF
THE CONTRACT SHALL BE SUBJECT TO THE APPLICABLE STANDARD SHEET(S)
UNLESS OTHERWISE SPECIFIED IN THE CONTRACT DOCUMENTS.

THE LATEST REVISIONS OF THE NYSTA STANDARD SHEETS MAINTAINED BY THE
AUTHORITY, WHICH ARE CURRENT ON THE DATE OF ADVERTISEMENT FOR BIDS,
SHALL BE CONSIDERED TO BE IN EFFECT. ALL PAY ITEMS AND WORK
CONTAINED IN THE CONTRACT AND ANY ADDITIONAL PAY ITEMS AND WORK
ENCOUNTERED DURING THE COURSE OF THE CONTRACT SHALL BE SUBJECT TO
THE APPLICABLE STANDARD SHEET(S) LISTED ON DWG. SS-1 UNLESS
OTHERWISE SPECIFIED IN THE CONTRACT DOCUMENTS.

NOTE
SCALE REDUCTION
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BE EXACTLY TO SCALE. ALL
INDICATED SCALES ARE REDUCED
TO APPROXIMATELY HAVE SIZE.

CONTRACTOR'S NAME:
AWARD DATE:
COMPLETION DATE:
FINAL ACCEPTANCE DATE:
INSPECTION FIRM'S NAME:
RESIDENT ENG./EIC:
FINAL COST TOTAL:

FISCAL SHARE	COST(S)

INSPECTION FIRM:
CONSULTANT STAMP:

SITE OF WORK

UDIG NEW YORK
UNDERGROUND FACILITIES PROTECTION ORGANIZATION
CALL 811

RECOMMENDED BY:

[Signature] 11-5-25
DIRECTOR, OFFICE OF DESIGN DATE

RECOMMENDED BY:

[Signature] 11/14/25
DIVISION DIRECTOR DATE

RECOMMENDED BY:

[Signature] 11/18/25
TRAFFIC ENGINEER DATE

RECOMMENDED BY:

[Signature] 11/18/25
DIRECTOR, OFFICE OF
CONSTRUCTION MANAGEMENT DATE

RECOMMENDED BY:

[Signature]
CHIEF MAINTENANCE AND
OPERATIONS OFFICER

APPROVED BY:

[Signature]
CHIEF ENGINEER

11/19/25
DATE

REVIEWED BY: *[Signature]*

PROJECT MANAGER: *[Signature]*

BUREAU DIRECTOR: *[Signature]*

CHECKED BY:

DRAFTED BY:


CHECKED BY:

DESIGNED BY:

DESIGN SUPERVISOR:

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ABBREVIATIONS LIST			
AOBE	AS ORDERED BY ENGINEER	LLH	LONG LEG HORIZONTAL
APPROX	APPROXIMATE	LLV	LONG LEG VERTICAL
B/	BOTTOM	MAX	MAXIMUM
BV	BALL VALVE	MIN	MINIMUM
BFV	BUTTERFLY VALVE	MH	MANHOLE
BM	BENCHMARK	MMH	MASTER METER MANHOLE
CB	CATCH BASIN	MJ	MECHANICAL JOINT
CI	CAST IRON	MON	MONUMENT
CL	CENTERLINE	MW	MONITORING WALL
CLF	CHAIN LINK FENCE	N.C.	NORMALLY CLOSED
CLSM	CONTROLLED LOW-STRENGTH MATERIAL	N.O.	NORMALLY OPEN
CMP	CORRUGATED METAL PIPE	NYS	NEW YORK STATE
CONC	CONCRETE	NYSDEC	NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
CO	CLEANOUT	NYSDOT	NEW YORK STATE DEPARTMENT OF TRANSPORTATION
CPEP	CORRUGATED POLYETHYLENE PIPE	OC	ON CENTER
CV	CHECK VALVE	OSHA	OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION
DIA	DIAMETER	PL	PLATE
DI	DUCTILE IRON	PIV	POST INDICATING VALVE
EF	EACH FACE	REC	RECORD
EL/ELEV	ELEVATION	RM	ROOM
ESMT	EASEMENT	RO	ROUGH OPENING
E.W.	EACH WAY	S.H.	STATE HIGHWAY
EX	EXISTING	SS	STAINLESS STEEL
FT	FOOT	T/	TOP OF
FTG	FOOTING	TYP	TYPICAL
FM	FORCE MAIN	VCP	VITRIFIED CLAY PIPE
GPD	GALLONS PER DAY	W	WATER
GPM	GALLONS PER MINUTE	W/	WITH
GV	GATE VALVE	WWM	WELDED WIRE MESH
HDPE	HIGH DENSITY POLYETHYLENE	WWTP	WASTEWATER TREATMENT PLANT
INV	INVERT		

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REVISIONS			
DATE	DESCRIPTION	BY	SYM.

 	TITLE OF PROJECT WATER MAIN REPLACEMENT	CONTRACT NUMBER: TA#: 26-10A
	LOCATION OF PROJECT PORT BYRON SERVICE AREA (MP 310.2)	DATE: 10/24/2025
SYRACUSE (BA) 120 MADISON ST. TOWER 2, STE 500 SYRACUSE, NY 13202 PHONE: 315.422.5200 <small>COLLIERS ENGINEERING & DESIGN ARCHITECTURE, LANDSCAPE, SURVEYING, ETC., P.C.</small>	TITLE OF DRAWING INDEX OF DRAWINGS & ABBREVIATIONS LIST	DRAWING NUMBER: GN-01

CHECKED BY:

DRAFTED BY:

CHECKED BY:

DESIGNED BY:

DESIGN SUPERVISOR:

GENERAL NOTES

REFERENCE NOTES

1. CONSTRUCTION DRAWINGS ARE BASED ON:

A. TOPOGRAPHIC PROPERTY AND UTILITY SURVEY PREPARED BY RAVI ENGINEERING & LAND SURVEYING P.C ON JANUARY 22, 2018, NOVEMBER 27, 2018, AND BY HISTORICAL AND RECORD DRAWINGS PROVIDED BY AUTHORITY.
B. THE PROPOSED TRAVEL PLAZA BUILDING'S SIZE AND LOCATION ARE CONSIDERED APPROXIMATE AND ARE BASED ON THE PROPOSED SERVICE PLAZA REDEVELOPMENT PLANS PREPARED BY AECOM TISHMAN, DATED OCTOBER 28, 2022.
C. FLOW TEST DATA OBTAINED BY M. WALKER SPRINKLER COMPANY, SYRACUSE, NY DATED JANUARY 23, 2023.
D. FLOW REQUIREMENTS WILL NOT EXCEED THE FOLLOWING AS PROVIDED BY AECOM TISHMAN ON NOVEMBER 16, 2022: DOMESTIC WATER FLOW: 95 GPM. FIRE WATER FLOW: 290 GPM, FIRE WATER FLOW: 290 GPM (SPRINKLER LOAD) + 250 GPM (HOSE STREAM).
2. NORTH ARROW SHOWN INDICATES GRID NORTH REFERENCED TO NAD83/2011 AND PROJECTED ON THE NEW YORK STATE PLANE COORDINATE SYSTEM (CENTRAL ZONE).
3. THE LOCATION, NATURE AND ALIGNMENT OF UNDERGROUND UTILITIES ARE BASED ON HISTORIC AND RECORDED DRAWINGS, AND UTILITY EVIDENCE VISIBLE AT THE GROUND SURFACE AND ARE CONSIDERED TO BE SCHEMATIC ONLY.
4. THE SURVEY INFORMATION DOES NOT CLAIM TO SHOW ALL UNDERGROUND UTILITIES. OTHERS MAY EXIST IN THE WORK AREA. IDENTIFICATION OF ALL UTILITIES IN THE WORK AREA SHALL BE IN THE SOLE RESPONSIBILITY OF THE CONTRACTOR.
5. A GEOTECHNICAL REPORT WAS PREPARED FOR THE PROJECT BY RAVI ENGINEERING & LAND SURVEYING, P.C.
6. THE UPDATED SERVICE AREA SURVEY WAS PERFORMED BY MARK HUNTER AT COLLIERS ENGINEERING & DESIGN.

LAYOUT

1. STAGING AND LAYDOWN AREA PROVIDED ON DRAWING SP-02.
2. COORDINATE CONSTRUCTION OF STAGING WORK WITH AECOM TISHMAN.
3. PROPOSED LOCATION OF STAGING AND LAYDOWN AREA WILL REQUIRE EQUIPMENT TRAVERSING OVERTOP OF THE NEW 8" HDPE WATER LINE. PROTECT NEW WATER LINE FROM DAMAGE DURING CONSTRUCTION ACTIVITIES.
4. TAKE MEASURES AS DIRECTED BY THE AUTHORITY TO SECURE THE SITE AND PROVIDE SAFE PASSAGE FOR VEHICLES AND PEDESTRIANS AROUND THE WORK AREA.
5. ESTABLISH BENCHMARKS FOR SURVEY CONTROL AND MAINTAIN BENCHMARKS DURING CONSTRUCTION.
6. ALL SITE IMPROVEMENTS SHALL BE COMPLETED IN ACCORDANCE WITH THE LATEST STANDARDS AND SPECIFICATIONS OF THE NEW YORK STATE DEPARTMENT OF HEALTH; NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION; NEW YORK DEPARTMENT OF TRANSPORTATION; LOCAL UTILITY AUTHORITIES AND ANY OTHER AGENCIES HAVING JURISDICTION.
7. ALL DIVISIONS ARE TO FACE THE BUILDING STRUCTURES, CURBS OR EDGE OF PAVEMENT, UNLESS NOTED OTHERWISE.

SPOILS

1. NO SPOIL AREA IS AVAILABLE FOR THIS CONTRACT WITHIN THE AUTHORITY'S RIGHT-OF-WAY. THEREFORE, ALL SPOIL MATERIAL REMOVED FROM THE JOB SITE SHALL BE DISPOSED OF, BY THE CONTRACTOR, OFF OF THE AUTHORITY'S PROPERTY. COMPLY WITH ALL LOCAL, STATE AND FEDERAL REGULATIONS THAT APPLY TO THE OFF-SITE AREA CHOSEN FOR THIS SPOIL MATERIAL. ALL COST ASSOCIATED WITH THE REMOVAL AND LAWFUL DISPOSAL OF ALL SPOIL MATERIAL OFF AUTHORITY'S PROPERTY SHALL BE INCLUDED IN THE BID.

EXISTING CONDITIONS


1. VERIFY ALL DIMENSIONS AND EXISTING CONDITIONS IN THE FIELD BEFORE COMMENCING WORK. IMMEDIATELY NOTIFY THE AUTHORITY OF ANY DISCREPANCIES.
2. PROTECT FROM DAMAGING ALL EXISTING FEATURES NOT INDICATED OR REQUIRED TO BE REMOVED FROM THE WORK.
3. REPAIR ITEMS THAT ARE TO REMAIN IF DAMAGED DURING THE PERFORMANCE OF THE WORK. REPAIR OR REPLACE TO THEIR ORIGINAL CONDITION AS DETERMINED BY THE AUTHORITY OR REPLACE WITH NEW IN-KIND.

EXISTING UTILITIES

1. THE LOCATION OF UTILITIES INDICATED ON THE SITE SURVEY AND DRAWINGS ARE APPROXIMATE ONLY. ACCURATELY LOCATE SUBSURFACE UTILITIES BEFORE EXCAVATING.
2. PRIOR TO COMMENCING ANY CONSTRUCTION ACTIVITIES, CONTACT UDIG-NY (811) FOR INFORMATION ON EXISTING UNDERGROUND UTILITIES.
3. MAINTAIN EXISTING UTILITIES TO REMAIN IN SERVICE AND PROTECT THEM AGAINST DAMAGE.
4. PERFORM EXCAVATION IN ACCORDANCE WITH ALL APPLICABLE LOCAL, STATE AND FEDERAL SAFETY REGULATIONS.
5. SLOPE OR SUPPORT THE SIDES OF ALL EXCAVATIONS AS REQUIRED BY LOCAL, STATE AND FEDERAL SAFETY REGULATIONS.
6. EXISTING WATER SUPPLY PIPING AND APPURTENANCES WHICH ARE CUT, TAPPED, OR OTHERWISE DISTURBED DURING CONSTRUCTION SHALL BE PROTECTED FROM CONTAMINATION AND DISINFECTED AS REQUIRED BY AUTHORITIES HAVING JURISDICTION.

COORDINATION



1. DURING THE CONSTRUCTION PERIOD COORDINATE ACTIVITIES, INCLUDING USE OF THE SITE, TO MINIMIZE INTERFERENCE WITH THE ONGOING AUTHORITY OPERATIONS. CONTRACTOR'S ACTIVITIES ARE SUBJECT TO PRIOR APPROVAL OF THE AUTHORITY.

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REVISIONS			
DATE	DESCRIPTION	BY	SYM.

 	TITLE OF PROJECT WATER MAIN REPLACEMENT	CONTRACT NUMBER: TA#: 26-10A
	LOCATION OF PROJECT PORT BYRON SERVICE AREA (MP 310.2)	DATE: 10/24/2025
SYRACUSE (BA) 120 MADISON ST. TOWER 2, STE 500 SYRACUSE, NY 13202 PHONE: 315.422.5200 <small>COLLIERS ENGINEERING & DESIGN ARCHITECTURE, LANDSCAPE, SURVEYING, P.C.</small>	TITLE OF DRAWING GENERAL NOTES (1 OF 2)	DRAWING NUMBER: GN-02

CHECKED BY:

DRAFTED BY:

CHECKED BY:

DESIGNED BY:

DESIGN SUPERVISOR:

GENERAL NOTES

DEMOLITION

- 1. CONDUCT REMOVAL OPERATIONS TO PREVENT INJURY TO PEOPLE AND DAMAGE TO ADJACENT EXISTING FEATURES TO REMAIN. ENSURE SAFE PASSAGE OF PEOPLE AND AUTHORIZED VEHICLES AROUND THE WORK AREA.
- 2. PROVIDE CONSTRUCTION FENCES, BARRICADES OR OTHER SUITABLE DEVICES AS DIRECTED BY THE AUTHORITY TO PREVENT DAMAGE BY VEHICLES AND UNAUTHORIZED ENTRY INTO WORK, CONSTRUCTION STAGING AND EQUIPMENT STORAGE AREAS.
- 3. PROVIDE ALL REMOVALS INCIDENTAL TO AND NECESSARY TO PROVIDE THE WORK OF THE CONTRACT AND LEGALLY DISPOSE OF OFF-SITE. REMOVE EXISTING FEATURES AND UNUSED EARTH MATERIALS INCLUDING EXCESS TOPSOIL IN THEIR ENTIRETY UNLESS OTHERWISE INDICATED BY THE AUTHORITY.
- 4. PROMPTLY DISPOSE OF DEMOLISHED MATERIALS AND TRASH. DO NOT ALLOW DEBRIS TO ACCUMULATE ON-SITE.
- 5. UTILIZE SAW-CUTS IN AREAS WHERE THE PAVEMENT IS TO BE REMOVED FOR INSTALLATION OF IMPROVEMENTS AND WHERE NEW PAVEMENT IS JOINED WITH EXISTING. TREAT ALL JOINTS BETWEEN NEW AND EXISTING ASPHALT PAVEMENT WITH AN ASPHALT EMULSION,
- 6. REMOVE ALL SECTION OF EXISTING ABANDONED UNDERGROUND UTILITIES WHERE THEY INTERFERE WITH NEW WORK OR AS NOTED. PERMANENTLY SEAL REMAINING SECTIONS WITH MORTAR OR END CAPS.

SITE WORK

- 1. PROVIDE MINIMUM OF 4 INCHES OF NEW TOPSOIL AND SEEDING, AND MAINTAIN LAWN GROWN COVER UNTIL CONCLUSION OF THE PROJECT.
- 2. RESTORE ANY SITE AREA OR FEATURE DISTURBED DURING CONSTRUCTION TO ORIGINAL CONDITION AS DETERMINED BY AUTHORITY.
- 3. PROVIDE AND MAINTAIN EROSION CONTROL MEASURES AS INDICATED ON THE DRAWINGS AND IN THE PROJECT MANUAL FOR THE DURATION OF THE PROJECT.
- 4. PROVIDE AND MAINTAIN TEMPORARY FENCING AS INDICATED ON THE DRAWINGS AND IN THE PROJECT MANUAL FOR THE DURATION OF THE PROJECT.

SITE EROSION CONTROL


- 1. ALL SOIL EROSION AND SEDIMENTATION CONTROL MEASURES SHALL CONFORM TO THE LATEST EDITION OF THE NYSDEC'S STANDARDS AND SPECIFICATIONS FOR EROSION AND SEDIMENT CONTROL. REFER TO DRAWINGS FOR PRESCRIBED MEASURES, AND SUPPLEMENT AS REQUIRED BY SITE CONDITIONS AND THE AUTHORITY. INSTALL AND MAINTAIN ALL MEASURES TO EFFECTIVELY CONTAIN ALL SOIL MATERIAL WITHIN THE PROJECT LIMITS.
- 2. ALL APPROPRIATE EROSION AND SEDIMENT CONTROL MEASURES SHALL BE INSTALLED PRIOR TO SITE DISTURBANCE AND SHALL REMAIN IN PLACE UNTIL ALL DISTURBED AREAS ARE STABILIZED.
- 3. CONDUCT INSPECTIONS OF ALL EROSION AND SEDIMENTATION CONTROL MEASURES DAILY. MAINTAIN AND/OR REINSTALL MEASURES AS NECESSARY TO ENSURE THEIR EFFECTIVENESS.
- 4. IN THE EVENT DEWATERING OPERATIONS BECOME NECESSARY, PROVIDE TREATMENT OF PUMP DISCHARGE WATER IN ACCORDANCE WITH NYSDEC APPROVED PRACTICES.

PIPING

- 1. MINIMUM COVER ON WATER LINES SHALL BE 5', UNLESS NOTES OTHERWISE.
- 2. ALL WATER LINES TO BE INSTALLED IN STRICT COMPLIANCE WITH THE REQUIREMENTS OF THE WATER MAIN/SEWER CROSSING DETAIL PROVIDED IN THE CONSTRUCTION DOCUMENTS.
- 3. ALL VERTICAL AND HORIZONTAL BENDS MAY NOT BE DEPICTED ON THE DRAWINGS.
- 4. PROVIDE ALL NECESSARY FITTINGS AND ADAPTERS THAT ARE REQUIRED TO CONNECT DIFFERENT TYPES OF PIPING MATERIAL.

SITE GRADING AND DRAINAGE



- 1. RESTRICT GRADING OPERATIONS TO AREA SHOWN ON THE CONSTRUCTION DRAWINGS. GRADING OUTSIDE THE CONSTRUCTION LIMIT WILL NOT BE PERMITTED.
- 2. PERFORM ALL EXCAVATION OPERATIONS WITH EXTREME CAUTION. DETERMINE LOCATION AND ELEVATION OF EXISTING UTILITIES PRIOR TO COMMENCING EXCAVATION.
- 3. BLEND ALL LINES AND GRADES OF NEW YORK SMOOTHLY WITH EXISTING.
- 4. PROVIDE TEMPORARY SITE DRAINAGE INCLUDING SWALES, DITCHES, AND PUMPS AS REQUIRED TO MAINTAIN THE SITE IN A TRAFFICABLE CONDITION. DO NOT DISCHARGE WATER INTO AREAS TO BE DEVELOPED UNDER THIS CONTRACT.
- 5. MAINTAIN EXISTING STORM DRAIN FACILITIES NOT INTERRUPTED BY CONSTRUCTION RELATED ACTIVITIES.
- 6. FINE GRADE, TOPSOIL, SEE AND MULCH ALL AREAS DISTURBED BY THE WORK OF THIS CONTRACT AND NOT SPECIFIED TO BE COVERED BY PAVEMENTS OR OTHER FINISHED SURFACE, RESTORE ALL EXISTING CONSTRUCTION TO ORIGINAL CONDITION, UNLESS SHOWN OR DIRECTED OTHERWISE.
- 7. KEEP ROADS CLEAN OF MUD AND DEBRIS AT ALL TIMES. VEHICLES SHALL USE WASH AREA TO CLEAN WHEELS OF ANY ACCUMULATED EARTH, CONCRETE, ETC. PRIOR TO EXITING THE PROJECT LIMITS.

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REVISIONS			
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	TITLE OF PROJECT WATER MAIN REPLACEMENT	CONTRACT NUMBER: TA#: 26-10A
	LOCATION OF PROJECT PORT BYRON SERVICE AREA (MP 310.2)	DATE: 10/24/2025
 SYRACUSE (BA) 120 MADISON ST. TOWER 2, STE 500 SYRACUSE, NY 13202 PHONE: 315.422.5200 <small>COLLIERS ENGINEERING & DESIGN ARCHITECTURE, LANDSCAPE, SURVEYING, ETC., P.C.</small>	TITLE OF DRAWING GENERAL NOTES (2 OF 2)	DRAWING NUMBER: GN-03

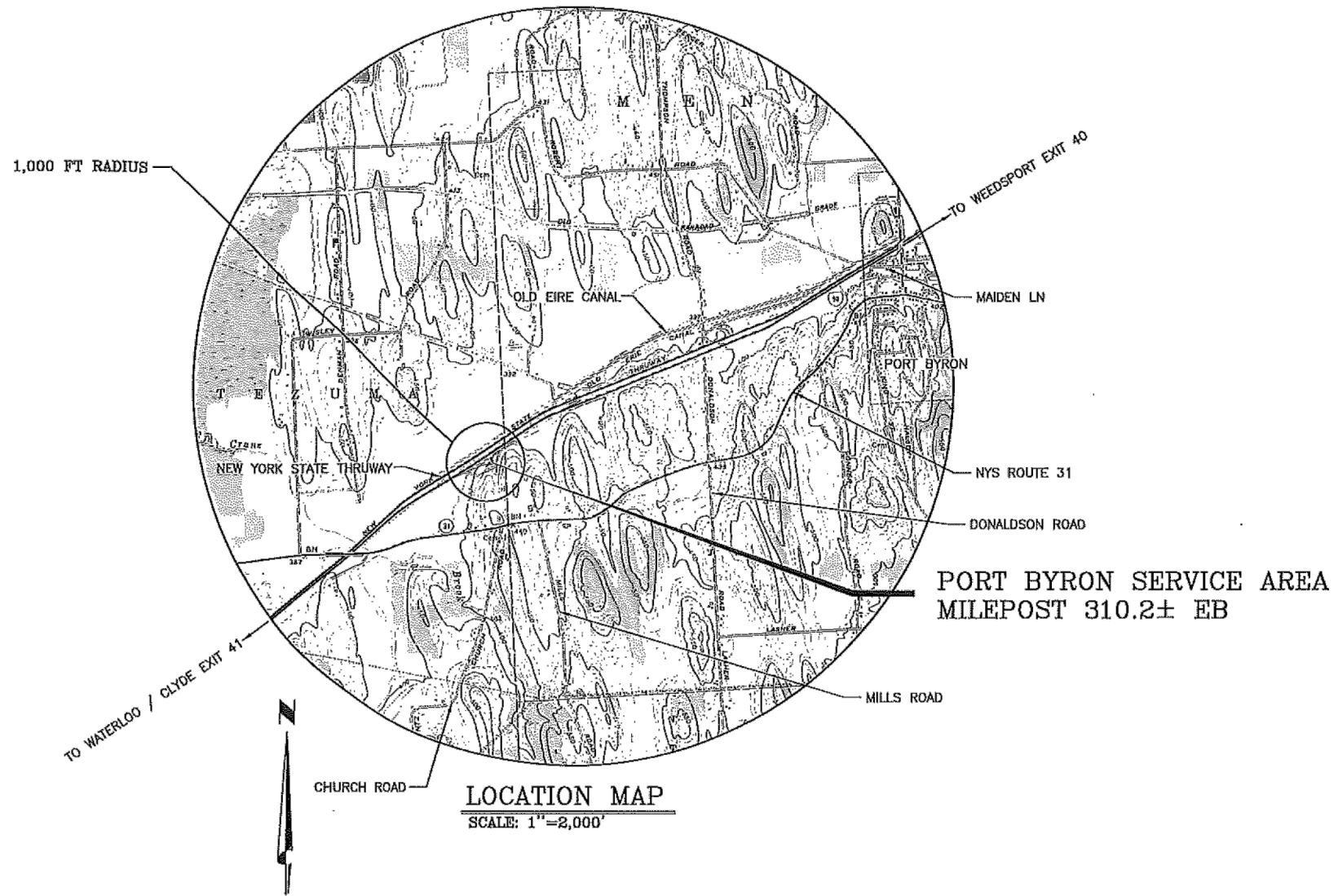
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DESIGNED BY:

DESIGN SUPERVISOR:



EXISTING	LEGEND	PROPOSED
	TRAVERSE LINE, CENTER LINE OR BASELINE (LABEL AS SUCH)	
	RIGHT OF WAY LINE	
	PROPERTY LINE	
	EDGE OF PAVEMENT	
	CURB	
	DEPRESSED CURB	
	SIDEWALK	
	FENCES	
	TREELINE	
	ROADWAY SIGNS	
	WETLAND LINE	
	MUNICIPAL BOUNDARY LINE	
	CATCH BASIN	
	DRAIN INLET	
	STORM MANHOLE	
	SANITARY MANHOLE	
	FLARED END SECTION	
	HEADWALL	
	HYDRANT	
	POLE MOUNTED LIGHT	
	CABLE TV CONDUIT	
	WATER MAIN	
	GAS MAIN	
	TELEPHONE CONDUIT	
	ELECTRIC CONDUIT	
	SANITARY PIPE	
	STORM PIPE	

ALTERED ON:

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REVISIONS			
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TITLE OF PROJECT
WATER MAIN REPLACEMENT

LOCATION OF PROJECT
PORT BYRON SERVICE AREA (MP 310.2)

TITLE OF DRAWING
LOCATION MAP & LEGEND

SYRACUSE (BA)
120 MADISON ST.
TOWER 2, STE 500
SYRACUSE, NY 13202
PHONE: 315.422.5200
COLLIERA ENGINEERING & DESIGN
ARCHITECTURE, LANDSCAPE, SURVEYING, P.C.

CONTRACT NUMBER:
TA#: 26-10A

DATE:
10/24/2025

DRAWING NUMBER:
GN-04

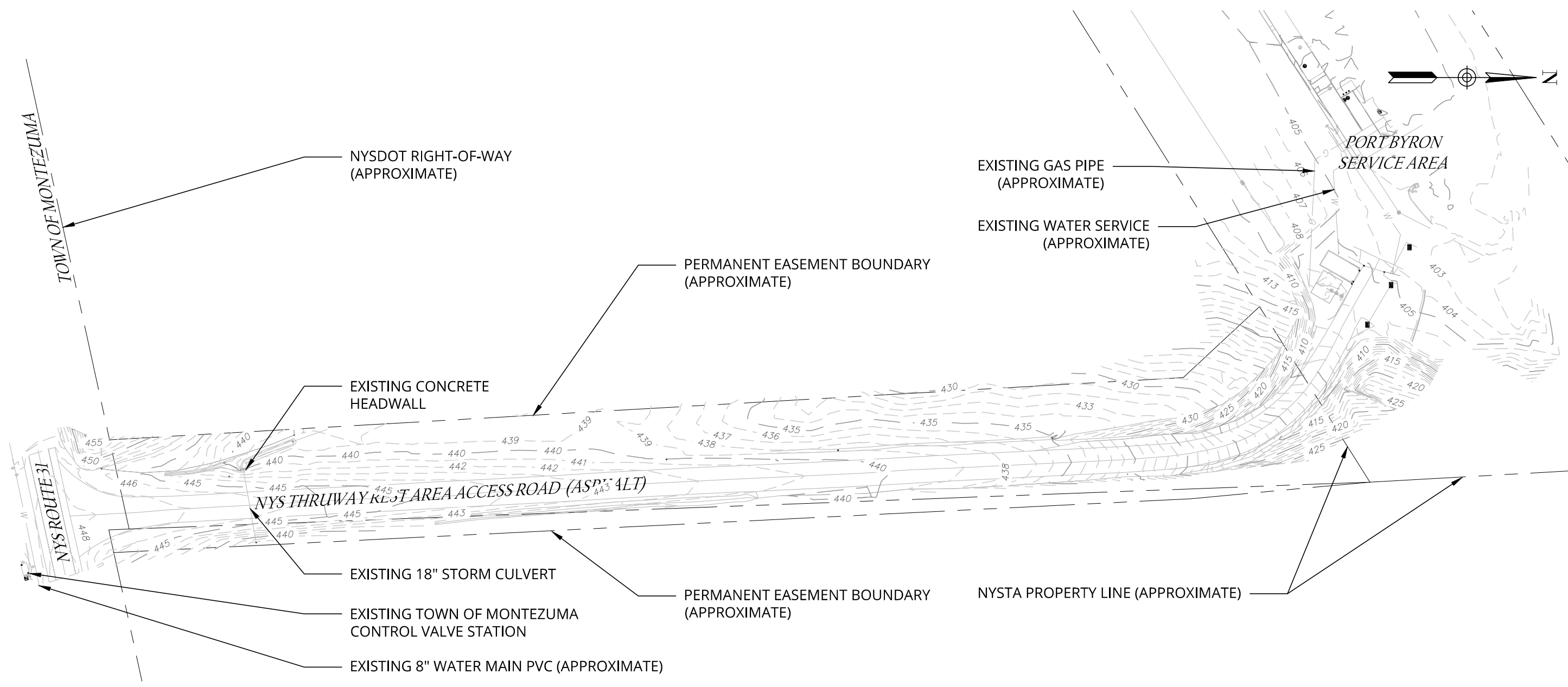
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DESIGN SUPERVISOR:




EXISTING CONDITIONS PLAN
SCALE: 1" = 120'

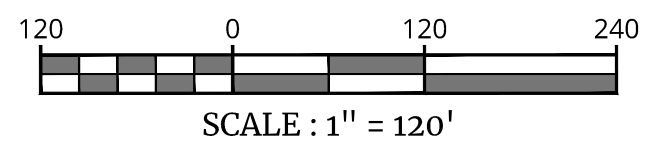
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	LOCATION OF PROJECT PORT BYRON SERVICE AREA (MP 310.2)	DATE: 10/24/2025
TITLE OF DRAWING EXISTING CONDITIONS PLAN	DRAWING NUMBER: SP-01	



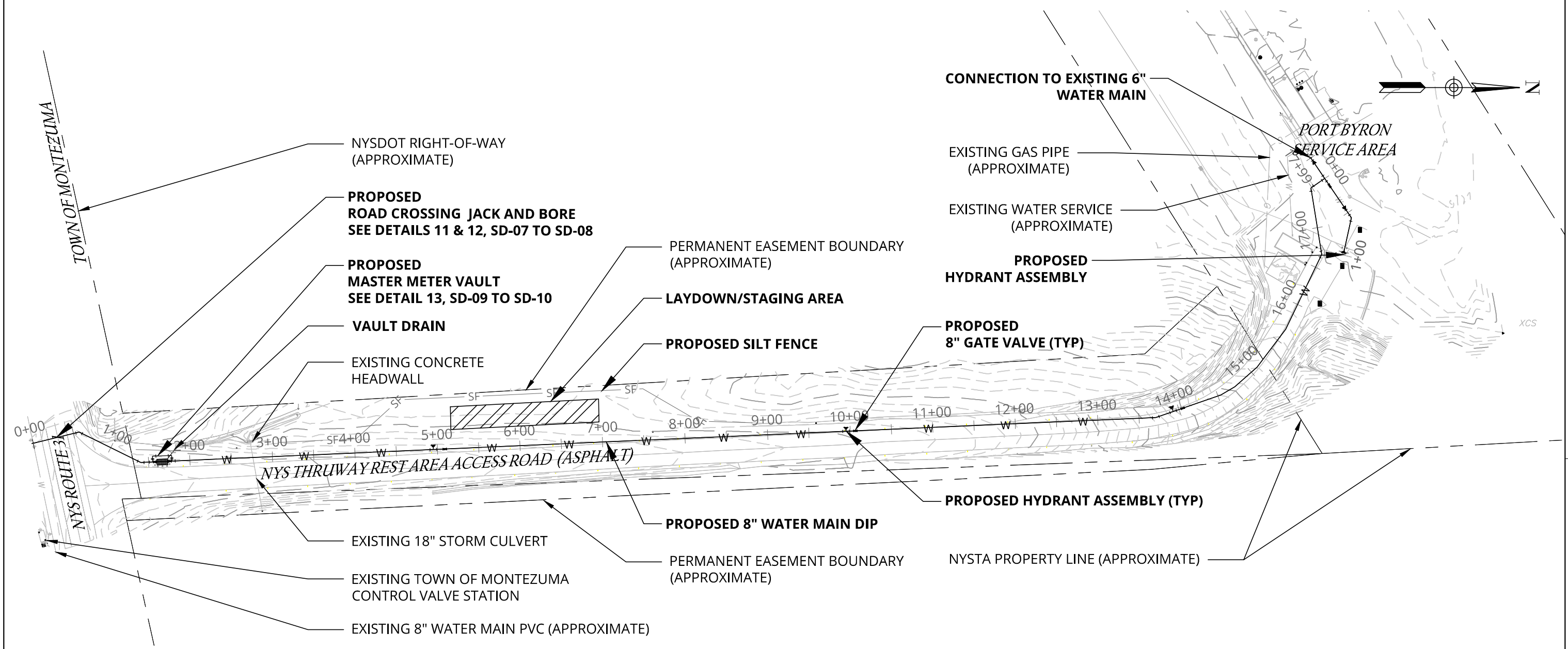
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DESIGNED BY:

DESIGN SUPERVISOR:





OVERALL PLAN
SCALE: 1" = 120'

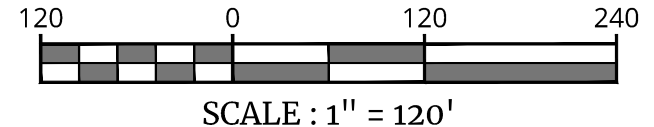
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NOTE
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REVISIONS			
DATE	DESCRIPTION	BY	SYM.

 Engineering & Design  SYRACUSE (BA) 120 MADISON ST. TOWER 2, STE 500 SYRACUSE, NY 13202 PHONE: 315.422.5200 <small>COLLIERS ENGINEERING & DESIGN ARCHITECTURE, LANDSCAPE, SURVEYING, ETC., P.C.</small>	TITLE OF PROJECT WATER MAIN REPLACEMENT	CONTRACT NUMBER: TA#: 26-10A
	LOCATION OF PROJECT PORT BYRON SERVICE AREA (MP 310.2)	DATE: 10/24/2025
TITLE OF DRAWING PROPOSED PLAN	DRAWING NUMBER: SP-02	



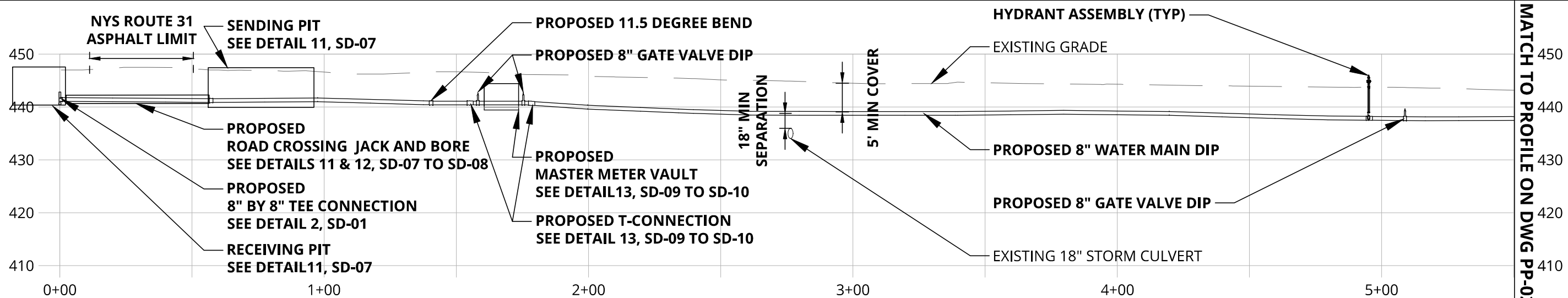
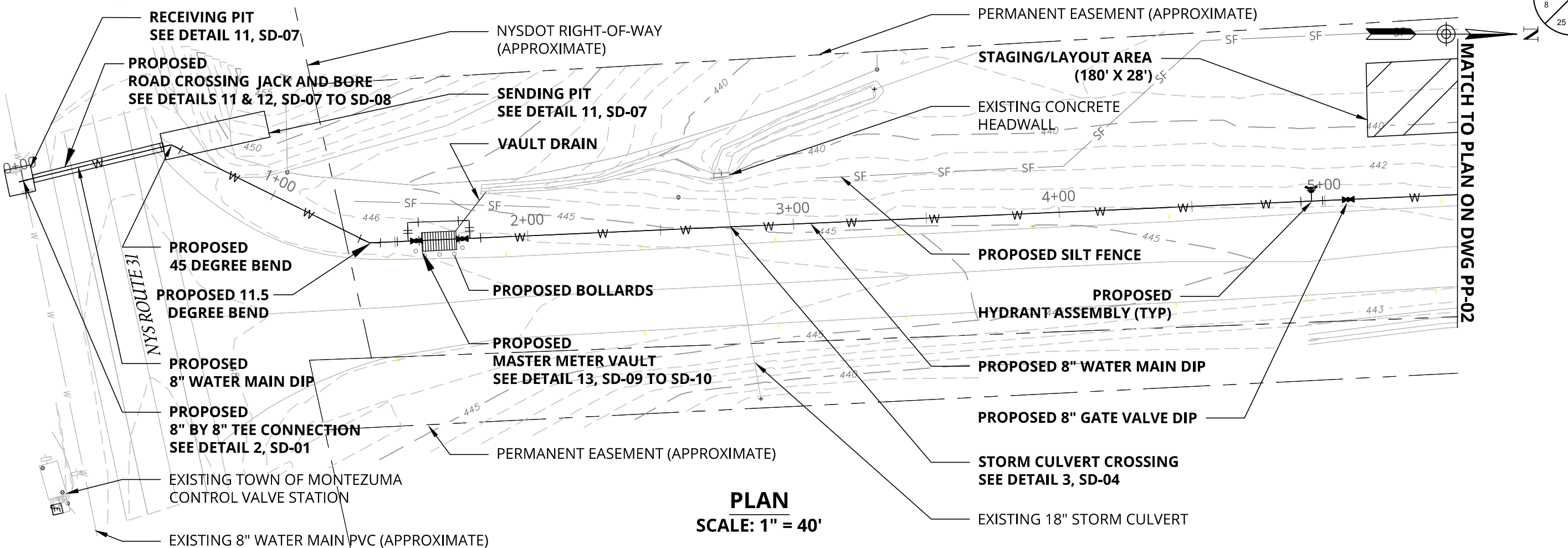
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CHECKED BY:

DESIGNED BY:

DESIGN SUPERVISOR:



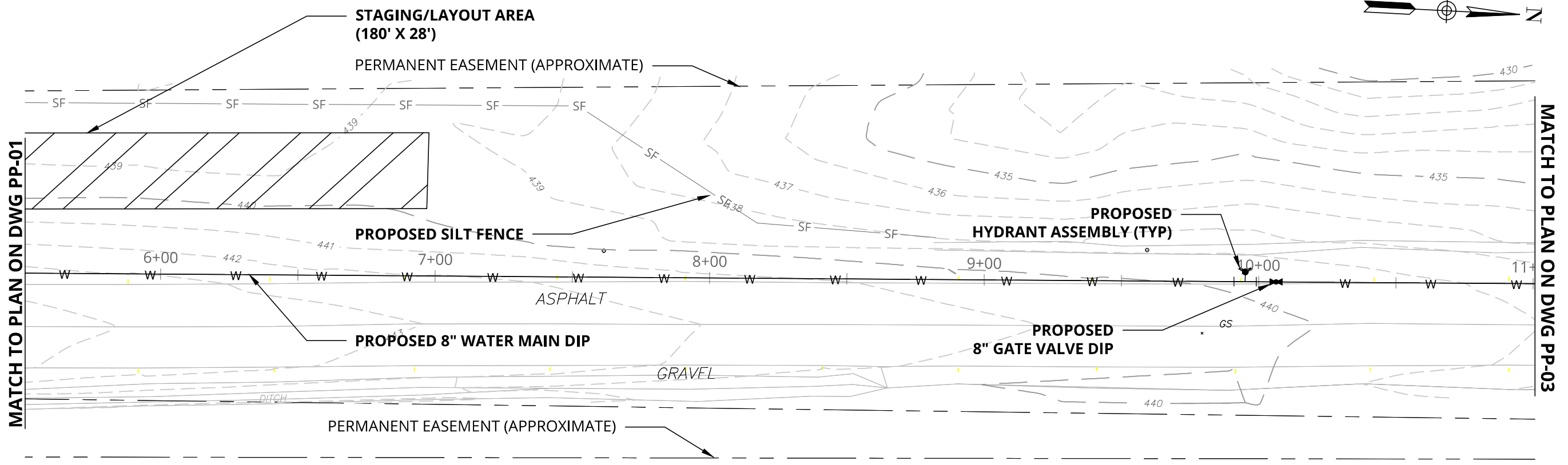
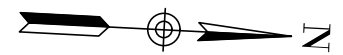
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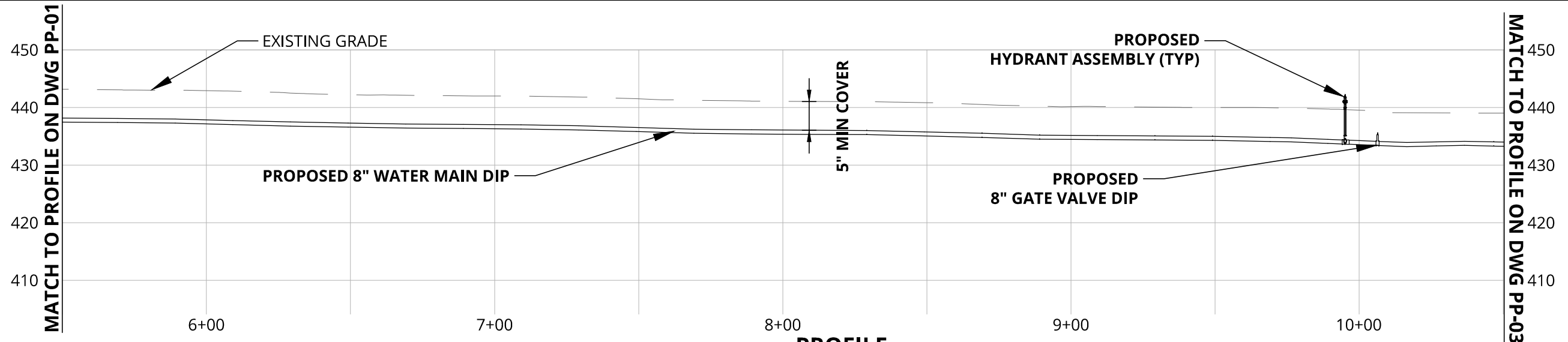
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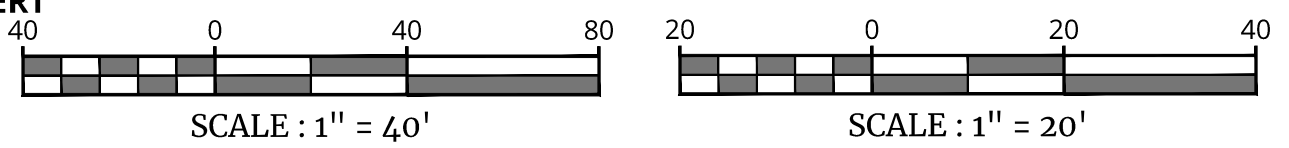
	TITLE OF PROJECT WATER MAIN REPLACEMENT	CONTRACT NUMBER: TA#: 26-10A
	LOCATION OF PROJECT PORT BYRON SERVICE AREA (MP 310.2)	DATE: 10/24/2025
SYRACUSE (BA) 120 MADISON ST. TOWER 2, STE 500 SYRACUSE, NY 13202 PHONE: 315.422.5200 COLLIERS ENGINEERING & DESIGN ARCHITECTURE, LANDSCAPE, SURVEYING, ETC., P.C.	TITLE OF DRAWING PLAN & PROFILE STA: 0+00 TO 5+00	DRAWING NUMBER: PP-01



PLAN
SCALE: 1" = 40'



PROFILE
SCALE: 1" = 40' HORIZ
SCALE: 1" = 20' VERT



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REVISIONS			
DATE	DESCRIPTION	BY	SYM.

 	TITLE OF PROJECT WATER MAIN REPLACEMENT	CONTRACT NUMBER: TA#: 26-10A
	LOCATION OF PROJECT PORT BYRON SERVICE AREA (MP 310.2)	DATE: 10/24/2025
SYRACUSE (BA) 120 MADISON ST. TOWER 2, STE 500 SYRACUSE, NY 13202 PHONE: 315.422.5200 <small>COLLIERS ENGINEERING & DESIGN ARCHITECTURE, LANDSCAPE, SURVEYING, CIVIL, P.C.</small>	TITLE OF DRAWING PLAN & PROFILE STA: 5+50 TO 11+00	DRAWING NUMBER: PP-02

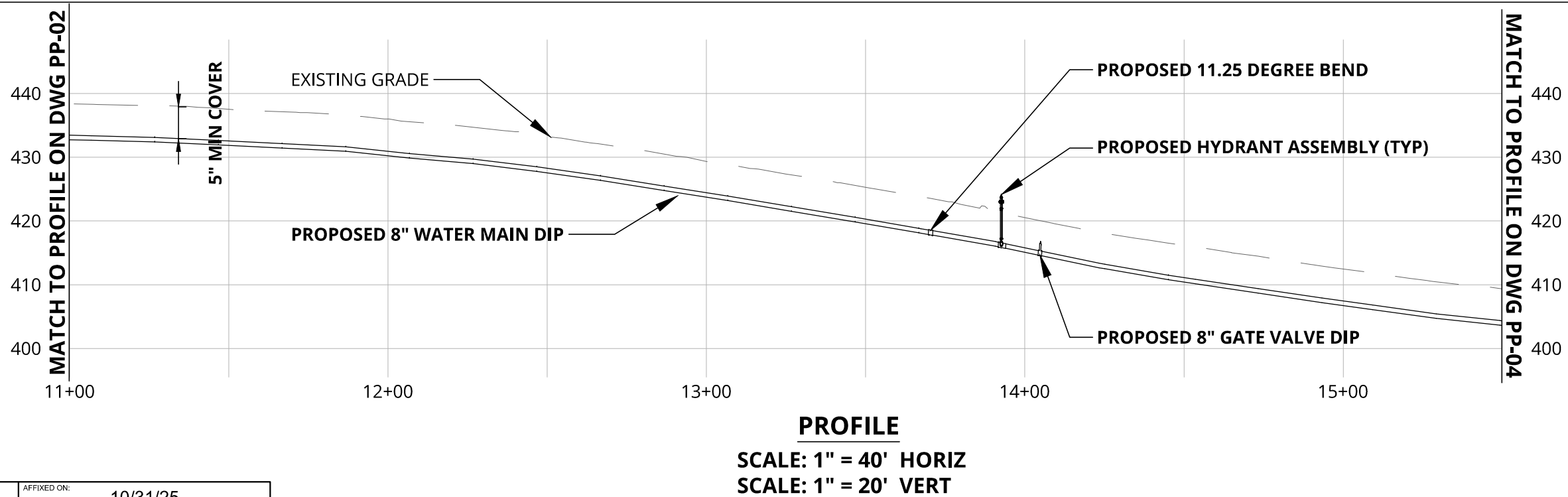
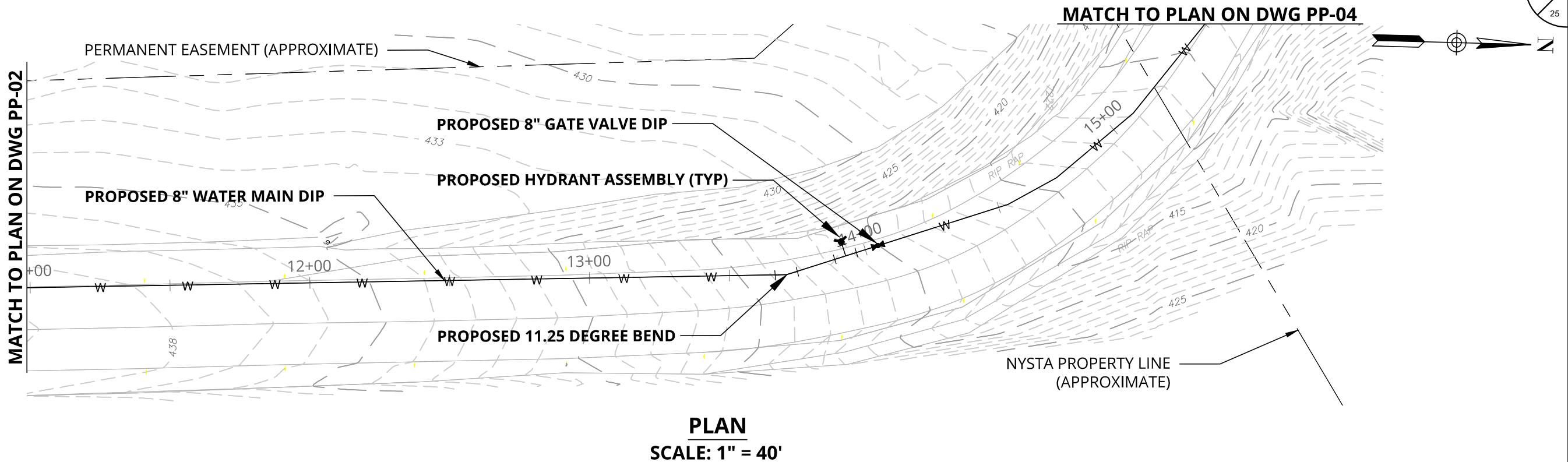
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CHECKED BY:

DESIGNED BY:

DESIGN SUPERVISOR:

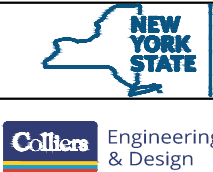


ALTERED ON:	AFFIXED ON: 10/31/25
SIGNATURE: STAMP:	SIGNATURE: STAMP: 

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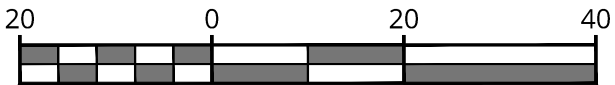
SYRACUSE (BA)
120 MADISON ST.
TOWER 2, STE 500
SYRACUSE, NY 13202
PHONE: 315.422.5200
COLLIERS ENGINEERING & DESIGN
ARCHITECTURE, LANDSCAPE, SURVEYING, CIVIL, P.E.

TITLE OF PROJECT
WATER MAIN REPLACEMENT
LOCATION OF PROJECT
PORT BYRON SERVICE AREA (MP 310.2)
TITLE OF DRAWING
PLAN & PROFILE
STA: 11+00 TO 15+00

CONTRACT NUMBER:
TA#: 26-10A
DATE:
10/24/2025
DRAWING NUMBER:
PP-03



SCALE : 1" = 40'



SCALE : 1" = 20'

CHECKED BY:

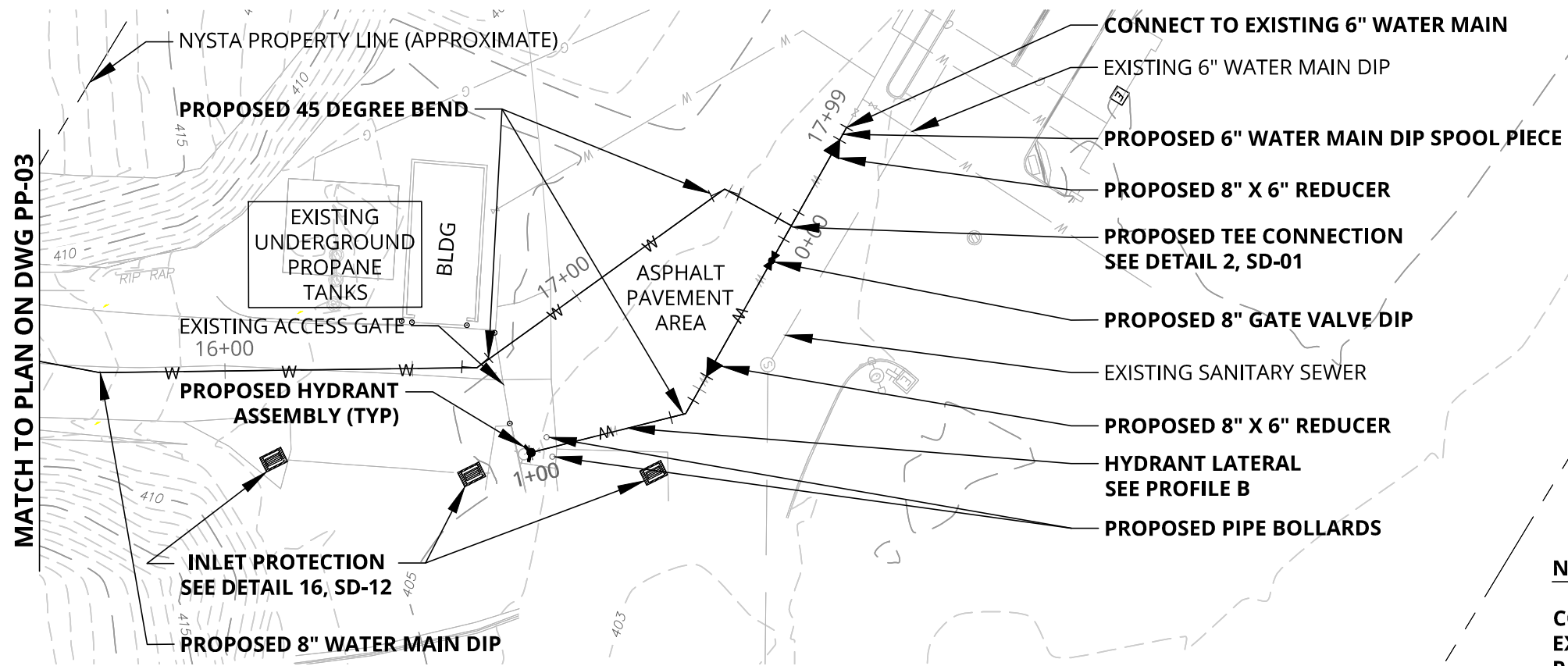
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CHECKED BY:

DESIGNED BY:

DESIGN SUPERVISOR:

MATCH TO PLAN ON DWG PP-03

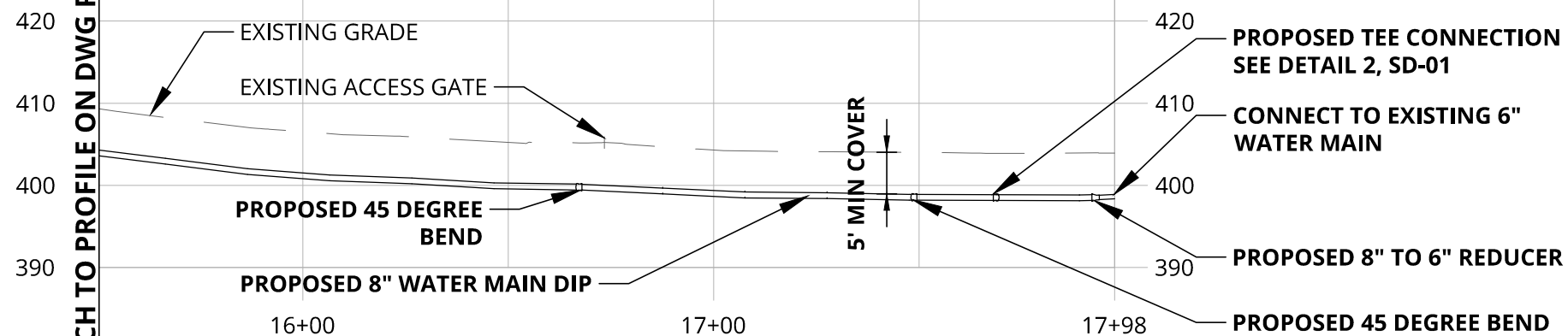


PLAN
SCALE: 1" = 20'

NOTE:

CONTRACTOR IS TO LOCATE AND IDENTIFY ALL EXISTING UTILITIES, WHICH ARE WITHIN THE PROJECT PATH OR CONNECTED TO, PRIOR TO COMMENCEMENT OF THE PROJECT

MATCH TO PROFILE ON DWG PP-02



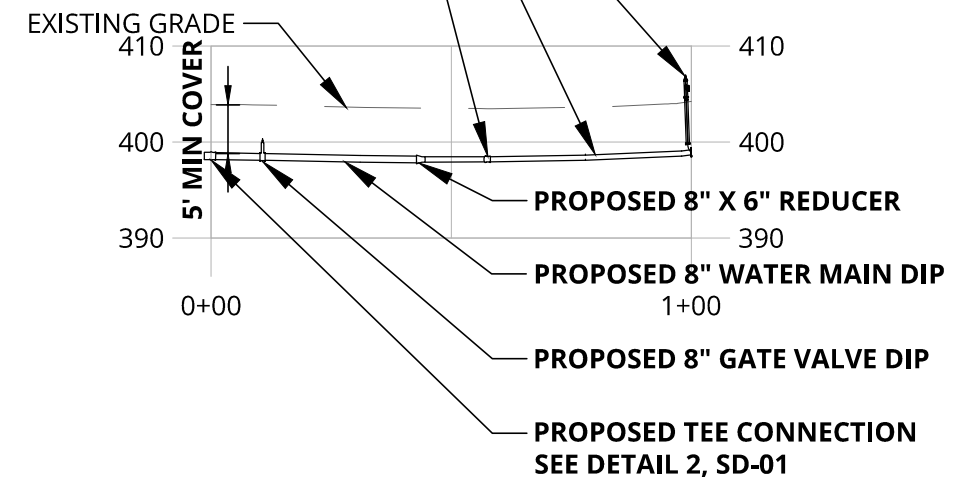
PROFILE (A)

SCALE: 1" = 20' HORIZ
SCALE: 1" = 10' VERT


PROPOSED HYDRANT ASSEMBLY

PROPOSED 6" WATER MAIN DIP

PROPOSED 45 DEGREE BEND



PROFILE (B)
HYDRANT LATERAL
SCALE: 1" = 20' HORIZ
SCALE: 1" = 10' VERT

ALTERED ON:	AFFIXED ON: 10/31/25
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REVISIONS			
DATE	DESCRIPTION	BY	SYM.




SYRACUSE (BA)
120 MADISON ST.
TOWER 2, STE 500
SYRACUSE, NY 13202
PHONE: 315.422.5200
COLLIERS ENGINEERING & DESIGN
ARCHITECTURE, LANDSCAPE, SURVEYING, ETC., P.C.

TITLE OF PROJECT WATER MAIN REPLACEMENT	CONTRACT NUMBER: TA#: 26-10A
LOCATION OF PROJECT PORT BYRON SERVICE AREA (MP 310.2)	DATE: 10/24/2025
TITLE OF DRAWING PLAN & PROFILE STA: 15+50 TO 17+99	DRAWING NUMBER: PP-04

New York State Thruway Authority Standard Sheets

The following NYS Thruway Authority standard sheets, marked with an "X" in first column, apply to this project.



X	SHEET NO.	SUBJECT
	TA 201-01	Clearing and Grubbing (Dwg. CG)
	TA 203-01	Shoulder Backup 1R Projects (Dwg. SB)
	TA 203-02	Slope Flattening Details
	TA 404-01	Highway Pavement Repair Details (Dwg. PRD)
	TA 404-02	Bridge Deck Wearing Course Resurfacing (Dwg. BDR)
	TA 404-03	Overhead Bridge Underclearance Improvement (Dwg. BU)
	TA 603-01	Culvert Extension Details
	TA 605-01	Underdrain Details
	TA 606-01	Modified Thrie Beam (Mod.) Guiderail (Dwg. GR-1)
	TA 606-02	Vacant
	TA 606-03	Corrugated Median Barrier to Corrugated Beam Guide Railing Transition Detail D (Dwg. GR-4)
	TA 606-04	Box Beam to 42" Single Slope Half Section Concrete Barrier Pier Protection (Dwg. GR-5)
	TA 606-05	HPBO (Mod.) Corrugated Beam to 42" Single Slope Half Section Concrete Barrier Pier Protection (Dwg. GR-6)
	TA 606-06	Typical U-Turn Median Rail Layout and Roadway Transverse Section
	TA 606-07	Modified Thrie Beam Guiderail with Rock Rail
	TA 606-08	Transition HPBO Corrugated Beam Median Guide Railing to HPBO Corrugated Beam Guide Railing
	TA 611-01	Living Snow Fences
	TA 614-01	Tree Removal
X	TA 619-01	Work Zone Traffic Control Tables & Legend
X	TA 619-02	General Work Zone Traffic Control Notes & Channelizing Devices
X	TA 619-03	Shoulder Closure Short-Term or Intermediate-Term Stationary
	TA 619-04	Shoulder Closure Short-Duration Stationary and Mobile
	TA 619-05	Signing & Delineation for Shoulder Work Spaces with Temporary Concrete Barrier
X	TA 619-06	Work Beyond Shoulder
	TA 619-07	Be Prepared to Stop and Uneven Lanes Signing
	TA 619-08	Single Lane Closure Short- or Intermediate-Term Stationary: 65 MPH Zone
	TA 619-09	Double Lane Closure Short- or Intermediate-Term Stationary: 65 MPH Zone
	TA 619-10	Center Lane Closure Short- or Intermediate-Term Stationary: 65 MPH Zone
	TA 619-11	Lane Shift: 65 MPH Zone
	TA 619-12	Single Lane Closure Short- or Intermediate-Term Stationary: 55 MPH Zone
	TA 619-13	Double Lane Closure Short- or Intermediate-Term Stationary: 55 MPH Zone
	TA 619-14	Center Lane Closure Short- or Intermediate-Term Stationary: 55 MPH Zone
	TA 619-15	Lane Shift: 55 MPH Zone

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	LOCATION OF PROJECT PORT BYRON SERVICE AREA (MP 310.2)	DATE: 10/24/2025
	TITLE OF DRAWING NYS THRUWAY TRAFFIC CONTROL STANDARDS CHECK LIST	DRAWING NUMBER: TC-01

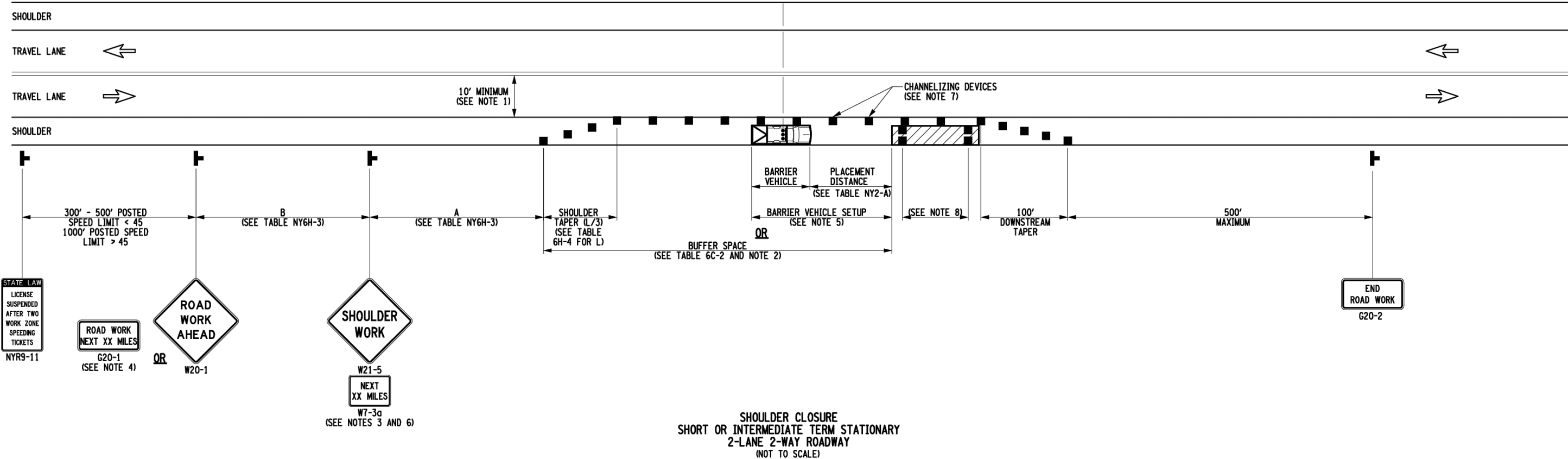
CHECKED BY:

DRAFTED BY:

CHECKED BY:

DESIGNED BY:

DESIGN SUPERVISOR:



- NOTES:
1. WHEN THE MINIMUM LANE WIDTH OF 10' CANNOT BE MAINTAINED DUE TO A SHOULDER CLOSURE, USE THE DETAIL FOR SHORT OR INTERMEDIATE TERM STATIONARY FLAGGING OPERATION.
 2. NO WORK ACTIVITY OR STORAGE OF EQUIPMENT, VEHICLES, OR MATERIAL SHOULD OCCUR WITHIN A BUFFER SPACE.
 3. WHEN THE DISTANCE BETWEEN THE ADVANCE WARNING SIGNS AND WORK IS 2 MILES TO 5 MILES, A SUPPLEMENTAL DISTANCE PLAQUE (W7-3a) SHOULD BE USED WITH THE SHOULDER WORK SIGN (W21-5).
 4. THE ROAD WORK NEXT XX MILES SIGN (G20-1) MAY BE USED INSTEAD OF THE ROAD WORK AHEAD SIGN (W20-1) IF WORK LOCATIONS OCCUR OVER A DISTANCE OF MORE THAN 2 MILES.
 5. FOR BARRIER VEHICLE USE REQUIREMENTS SEE TABLES NY1-A AND NY2-A ON THE STANDARD SHEET TITLED "WORK ZONE TRAFFIC CONTROL LEGENDS AND NOTES".
 6. IN THOSE SITUATIONS WHERE MULTIPLE WORK LOCATIONS EXIST WITHIN A LIMITED DISTANCE MAKE IT PRACTICAL TO PLACE STATIONARY SIGNS, THE DISTANCE BETWEEN THE ADVANCE WARNING SIGN AND WORK SHALL NOT EXCEED 5 MILES.
 7. CHANNELIZING DEVICE SPACING (CENTER TO CENTER) SHALL NOT EXCEED 40' IN THE ACTIVE WORK SPACE.
 8. TRANSVERSE DEVICES SHALL BE REQUIRED (AS PER 619 STANDARD SPECIFICATIONS) WHEN A PAVED SHOULDER HAVING A WIDTH OF 8' OR GREATER IS CLOSED FOR A DISTANCE GREATER THAN 1500'.

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 Colliers Engineering & Design	TITLE OF PROJECT WATER MAIN REPLACEMENT	CONTRACT NUMBER: TA#: 26-10A
	LOCATION OF PROJECT PORT BYRON SERVICE AREA (MP 310.2)	DATE: 10/24/2025
 SYRACUSE (BA) 120 MADISON ST. TOWER 2, STE 500 SYRACUSE, NY 13202 PHONE: 315.422.5200 <small>COLLIERS ENGINEERING & DESIGN ARCHITECTURE, LANDSCAPE, SURVEYING, CIVIL, P.E.</small>	TITLE OF DRAWING NYS ROUTE 31 WORK ZONE TRAFFIC CONTROL DETAILS	DRAWING NUMBER: TC-02

	CONTRACT NUMBER: TA#: 26-10A
	DATE: 10/24/2025
	DRAWING NUMBER: SD-01

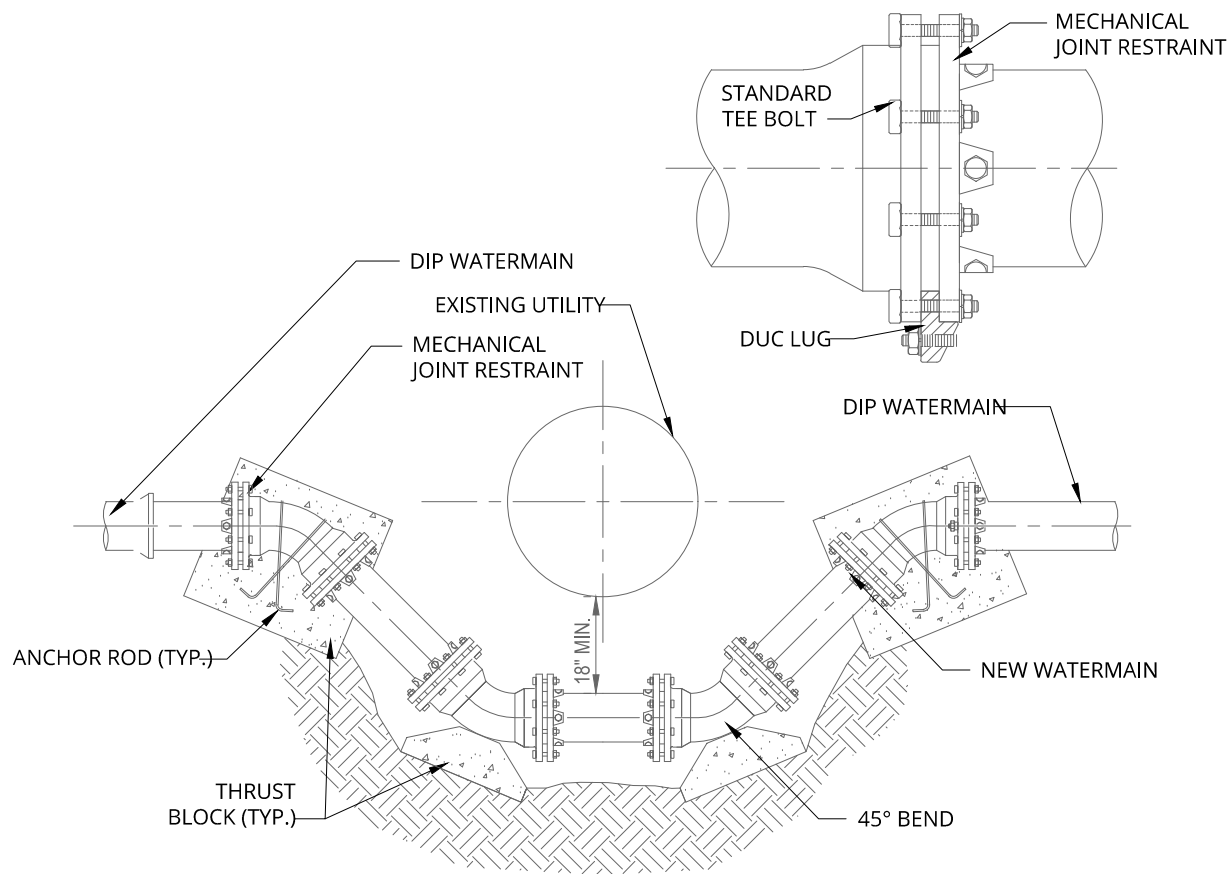
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CHECKED BY:

DESIGNED BY:

DESIGN SUPERVISOR:

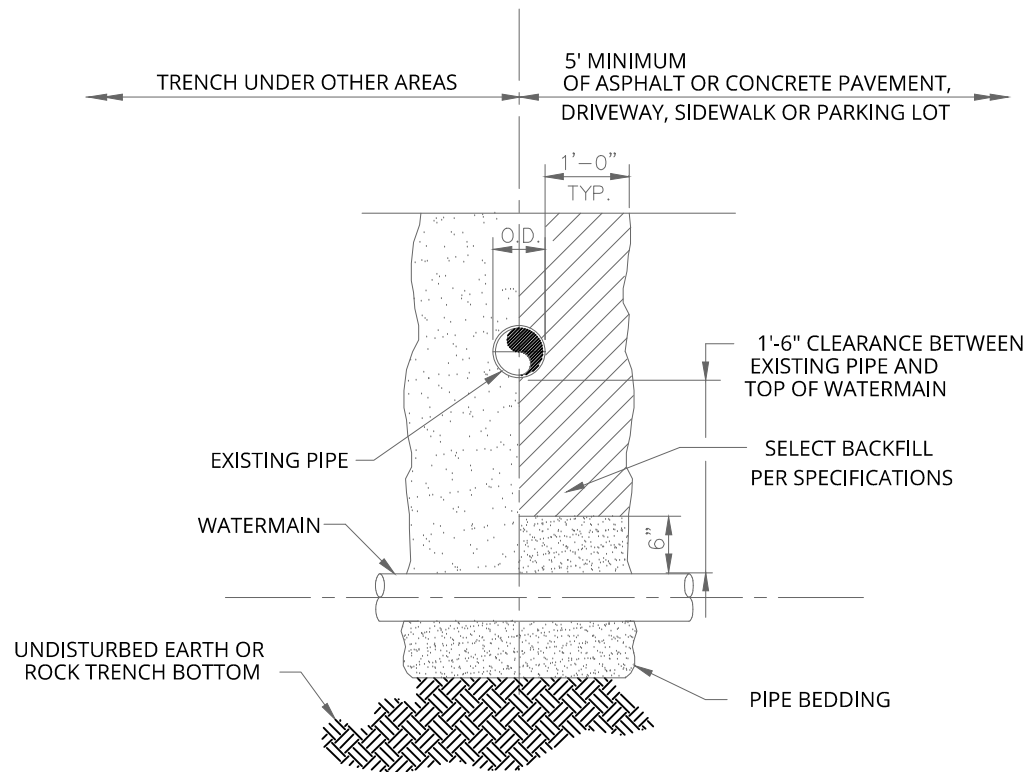


SECTION
NTS

NOTES:

1. RESTRAINED MECHANICAL JOINTS AS SHOWN.
2. VALVES, TEES AND HYDRANTS MAY BE RESTRAINED SIMILARLY.
3. ONE FULL PIPE LENGTH SHALL BE CENTERED UNDER THE EXISTING UTILITY CROSSING.
4. WATERLINE JOINTS SHALL BE PLACED EQUIDISTANT FROM THE EXISTING UTILITY AT THE CROSSING..
5. IF EXISTING PIPE IS CIP OR PVC, CONNECT TO NEW FITTING ONLY WHEN ALLOWED BY ENGINEER.


3 WATERMAIN RELOCATION DETAIL (TYP.)
NOT TO SCALE



NOTES:

1. ALL EXISTING UTILITIES MUST BE SUPPORTED DURING CONSTRUCTION OF THE NEW WATERMAIN.
2. WHEN CROSSING A SEWER LINE WITH A NEW WATERMAIN, ONE FULL PIPE LENGTH (18 FT. MIN.) SHALL BE USED AT THE POINT OF CROSSING. THE WATERMAIN SHALL BE PLACED SO THAT BOTH JOINT ENDS ARE AS FAR AS POSSIBLE FROM THE EXISTING SEWER LINE.



4 WATER/SEWER SEPERATION (TYP.)
NOT TO SCALE

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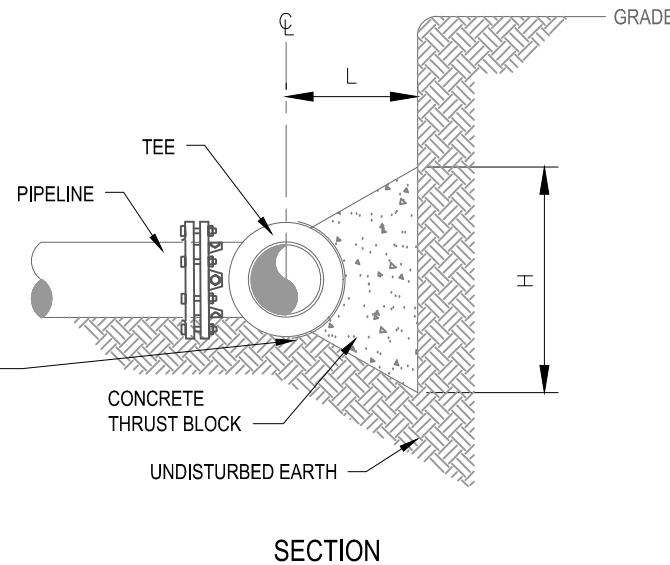
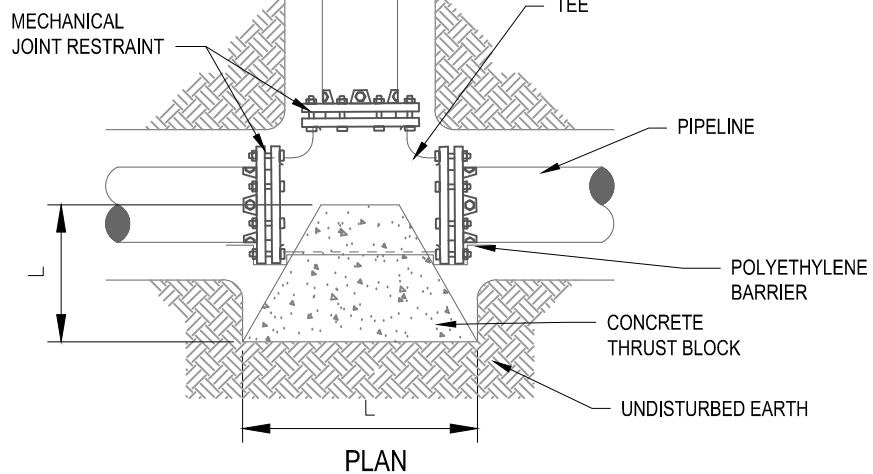
REVISIONS			
DATE	DESCRIPTION	BY	SYM.

  SYRACUSE (BA) 120 MADISON ST. TOWER 2, STE 500 SYRACUSE, NY 13202 PHONE: 315.422.5200 <small>COLLIERS ENGINEERING & DESIGN ARCHITECTURE, LANDSCAPE, SURVEYING, ETC., P.C.</small>	TITLE OF PROJECT WATER MAIN REPLACEMENT	CONTRACT NUMBER: TA#: 26-10A
LOCATION OF PROJECT PORT BYRON SERVICE AREA (MP 310.2)	TITLE OF DRAWING SITE DETAILS (2 OF 10)	DATE: 10/24/2025 DRAWING NUMBER: SD-02

NOTES:

1. SIZES BASED ON 150 PSI PRESSURE IN PIPELINE AND 2,000 PSF SOIL BEARING STRENGTH.
2. ALL EXPOSED PORTIONS OF ANCHOR STRAPS TO RECEIVE A MINIMUM OF 2 FIELD COATS OF BITUMASTIC MATERIAL.
3. PRIOR TO PLACING CONCRETE WRAP ANCHORS & ALL FITTINGS IN 8-MIL THICK POLYETHYLENE.
4. ALL ANCHOR RODS SHALL BE TYPE 304 STAINLESS STEEL.

5



HORIZONTAL THRUST BLOCK FOR TEES

Professional Engineer Seal for Joseph B. Awaio, State of New York, License No. 089707. The seal is circular with the text "STATE OF NEW YORK" at the top and "LICENSED PROFESSIONAL ENGINEER" at the bottom. The center features the state coat of arms and the license number "089707".

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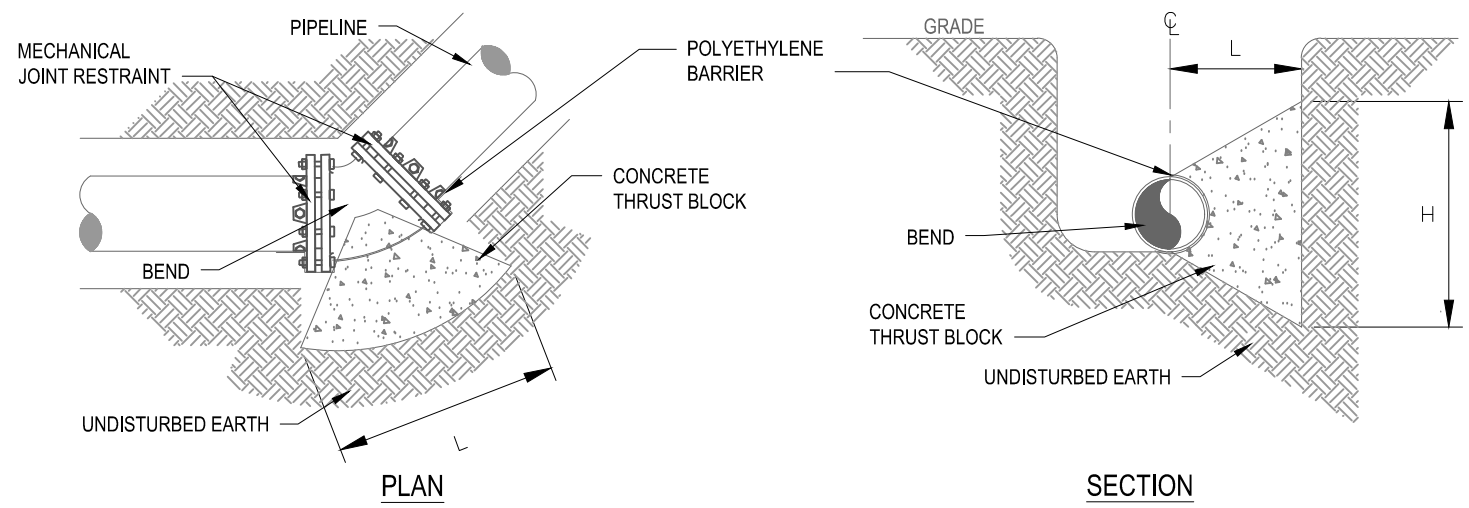
DATE	DESCRIPTION	BY	SYM



SYRACUSE (BA)
120 MADISON ST.
TOWER 2, STE 500
SYRACUSE, NY 13202
PHONE: 315.422.5200
COLLIERS ENGINEERING & DESIGN,
ARCHITECTURE, LANDSCAPE, SURVEYING CT, P.A.

TITLE OF DRAWING
SITE DETAILS
(3 OF 10)

DRAWING NUMBER:
SD-03

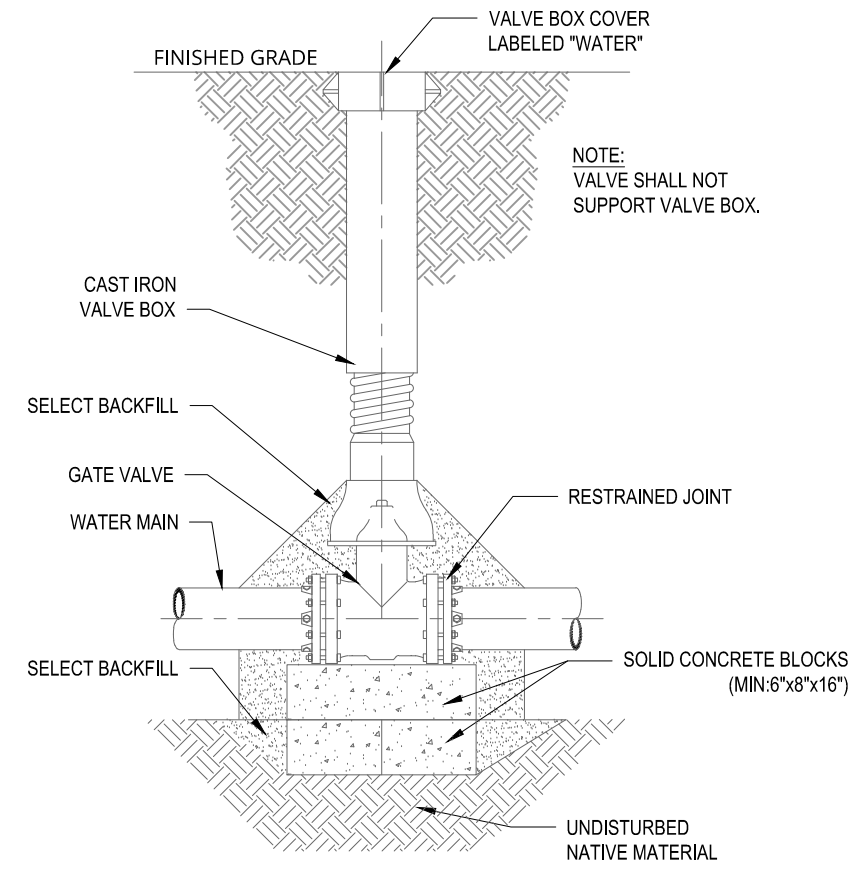


HORIZONTAL THRUST BLOCK FOR BENDS
NTS

HORIZONTAL ANCHOR DIMENSIONS FOR AVERAGE SOIL CONDITIONS										
UP TO 150 P.S.I. WORKING PRESSURE										
PIPE SIZE	PLUG, CAP, TEE OR TAP SLEEVE		90° BEND		45° BEND		22 1/2° BEND		11 1/4° BEND	
	H	L	H	L	H	L	H	L	H	L
6"	1'-0"	2'-0"	1'-0"	2'-0"	1'-0"	1'-4"	0'-9"	1'-0"	0'-6"	1'-0"
8"	1'-4"	2'-8"	1'-4"	2'-8"	1'-4"	1'-6"	1'-0"	1'-0"	0'-9"	1'-0"
12"	2'-0"	4'-0"	2'-0"	4'-0"	2'-0"	2'-2"	1'-6"	1'-6"	1'-3"	1'-3"
14"	2'-4"	4'-8"	2'-4"	4'-8"	2'-4"	2'-6"	1'-9"	1'-9"	1'-4"	1'-4"
16"	2'-8"	5'-4"	2'-8"	5'-4"	2'-8"	3'-0"	2'-0"	2'-0"	1'-6"	1'-6"

- NOTES:
- SIZES BASED ON 150 PSI PRESSURE IN PIPELINE AND 2,000 PSF SOIL BEARING STRENGTH.
 - ALL EXPOSED PORTIONS OF ANCHOR STRAPS TO RECEIVE A MINIMUM OF 2 FIELD COATS OF BITUMASTIC MATERIAL.
 - PRIOR TO PLACING CONCRETE WRAP ANCHORS & ALL FITTINGS IN 8-MIL THICK POLYETHYLENE.
 - ALL ANCHOR RODS SHALL BE TYPE 304 STAINLESS STEEL.

5 THRUST BLOCK - HORIZONTAL (TYP.)
NOT TO SCALE



6 GATE VALVE ASSEMBLY DETAIL
NOT TO SCALE

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AFFIXED ON:
10/31/25

SIGNATURE:
STAMP:

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REVISIONS			
DATE	DESCRIPTION	BY	SYM.

TITLE OF PROJECT
WATER MAIN REPLACEMENT

LOCATION OF PROJECT
PORT BYRON SERVICE AREA (MP 310.2)

TITLE OF DRAWING
SITE DETAILS (4 OF 10)

CONTRACT NUMBER:
TA#: 26-10A

DATE:
10/24/2025

DRAWING NUMBER:
SD-04

SYRACUSE (BA)
120 MADISON ST.
TOWER 2, STE 500
SYRACUSE, NY 13202
PHONE: 315.422.5200
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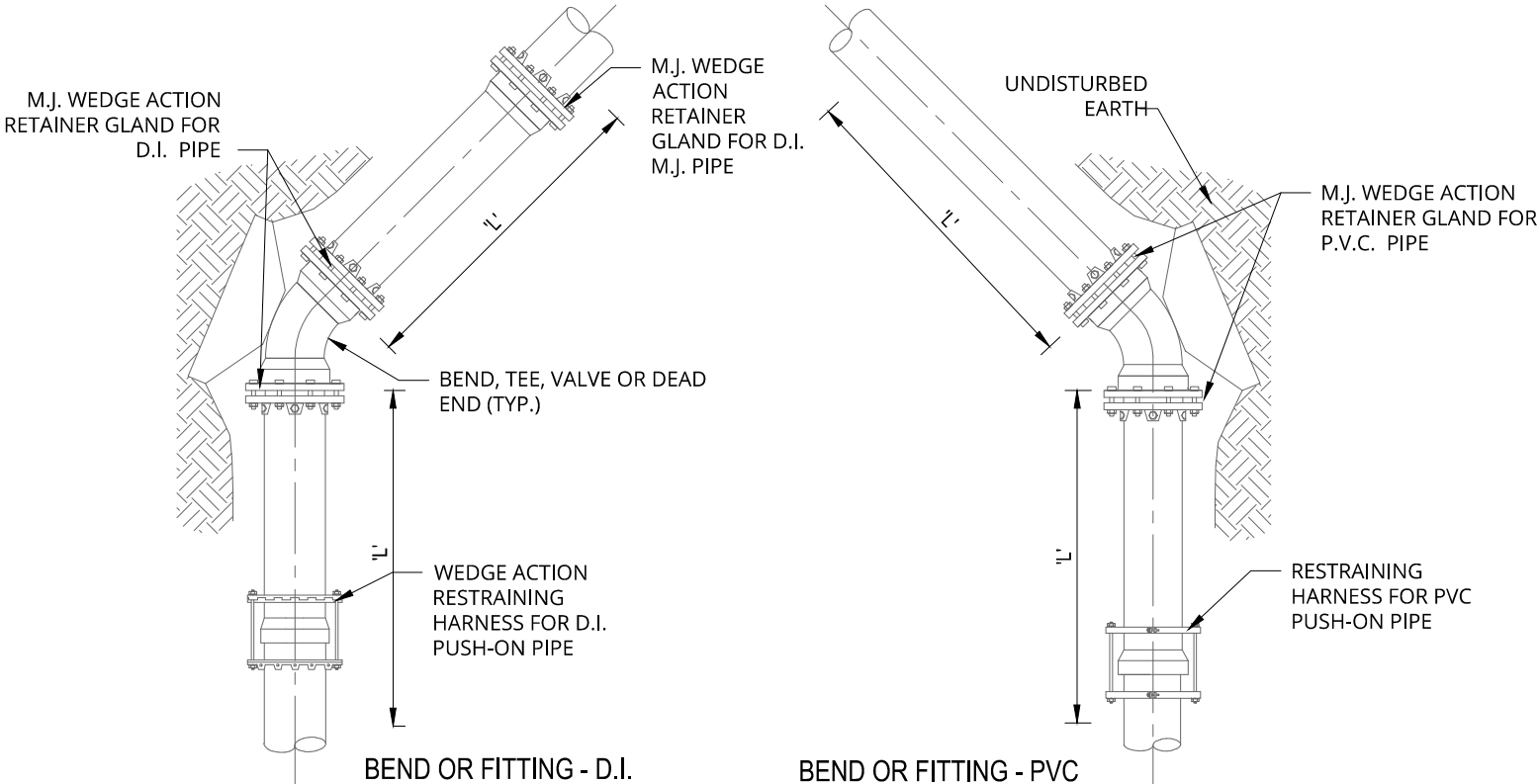
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DESIGN SUPERVISOR:



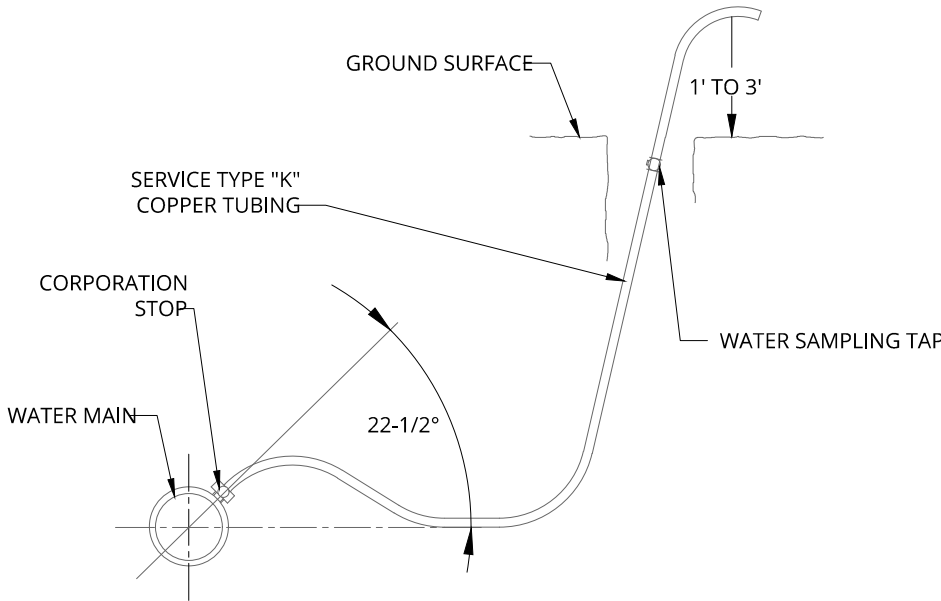
RESTRAINED JOINT SCHEDULE					
PIPE SIZE	PIPE TYPE	11.25° ELBOW	22.5° ELBOW	45° ELBOW	TEE BRANCH, 90° BEND, VALVE OR DEAD END
		'L'	'L'	'L'	'L'
6	PVC & DI	20	20	20	20
8	PVC & DI	20	20	20	20
10	PVC & DI	20	20	20	20
12	PVC & DI	20	20	20	20

NOTE:

- DIMENSION 'L' REPRESENTS THE LENGTH OF RESTRAINED PIPE REQUIRED IN FEET EACH SIDE OF THE PIPE FITTING.

7 RESTRAINED JOINT SCHEDULE/DETAIL (TYP.)

NOT TO SCALE



NOTES:

- WHEN LOCATED IN PAVEMENT, TAP IS TO BE KEPT BELOW GROUND SURFACE EXCEPT WHEN IN USE. UPON NOTIFICATION OF ACCEPTABLE SAMPLE RESULTS, CORPORATION STOP IS TO BE CLOSED, AND TUBING DISCONNECTED AND REMOVED.
- TAP MAY BE LOCATED AT THE SAME LOCATION OF A NEW WATER SERVICE. AFTER SAMPLE IS APPROVED, COPPER TUBING TO THE SURFACE IS TO BE REMOVED.
- LOCATION OF TAP IS SUBJECT TO PRIOR APPROVAL OF THE OWNERS REPRESENTATIVE
- ANY DISINFECTION / SAMPLING TAP NOT USED FOR A WATER SERVICE, MUST BE REMOVED FROM THE WATER MAIN, AND THE THREADED CORPORATION STOP TAP SHALL BE PLUGGED WITH A THREADED BRASS PLUG. AFTER PLUGGING MAIN, COAT BRASS PLUG WITH BITUMASTIC COATING.

8 WATER DISINFECTION/SAMPLING TAP

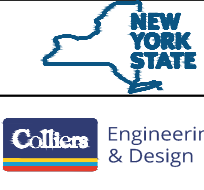
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TITLE OF PROJECT WATER MAIN REPLACEMENT	CONTRACT NUMBER: TA#: 26-10A
LOCATION OF PROJECT PORT BYRON SERVICE AREA (MP 310.2)	DATE: 10/24/2025
TITLE OF DRAWING SITE DETAILS (5 OF 10)	DRAWING NUMBER: SD-05

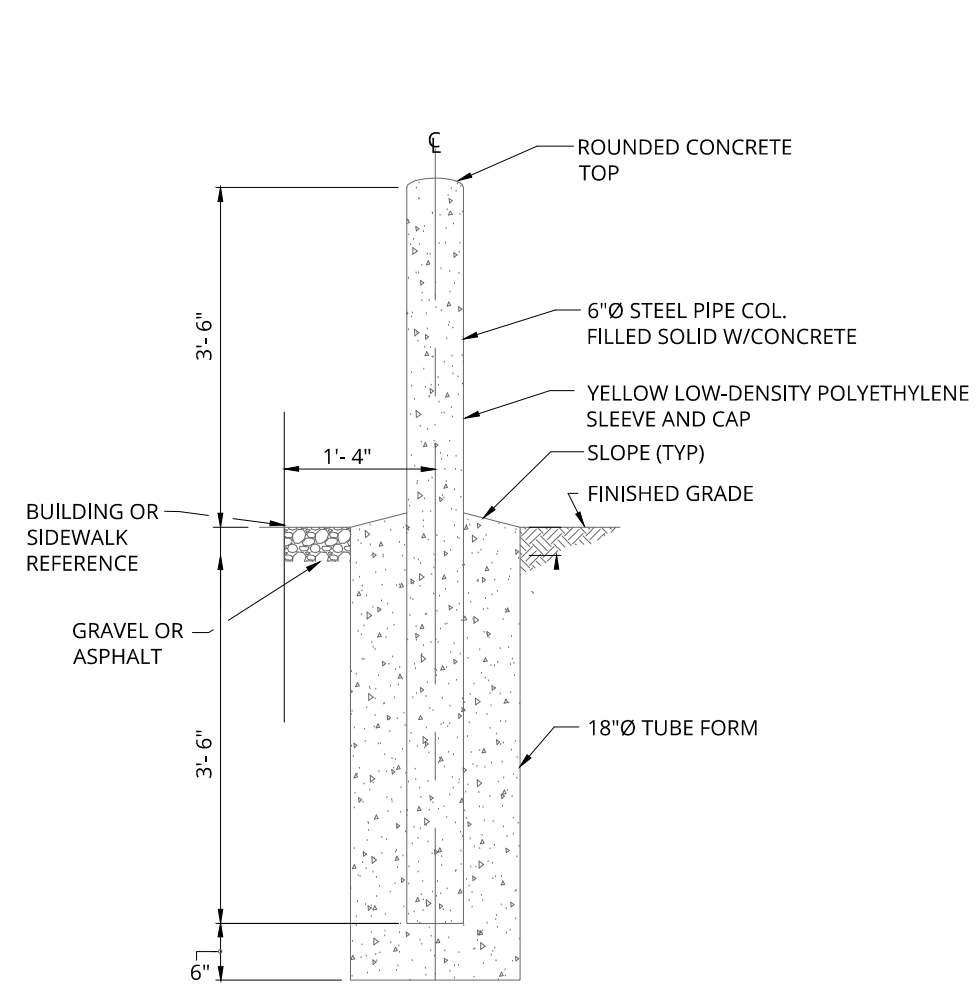
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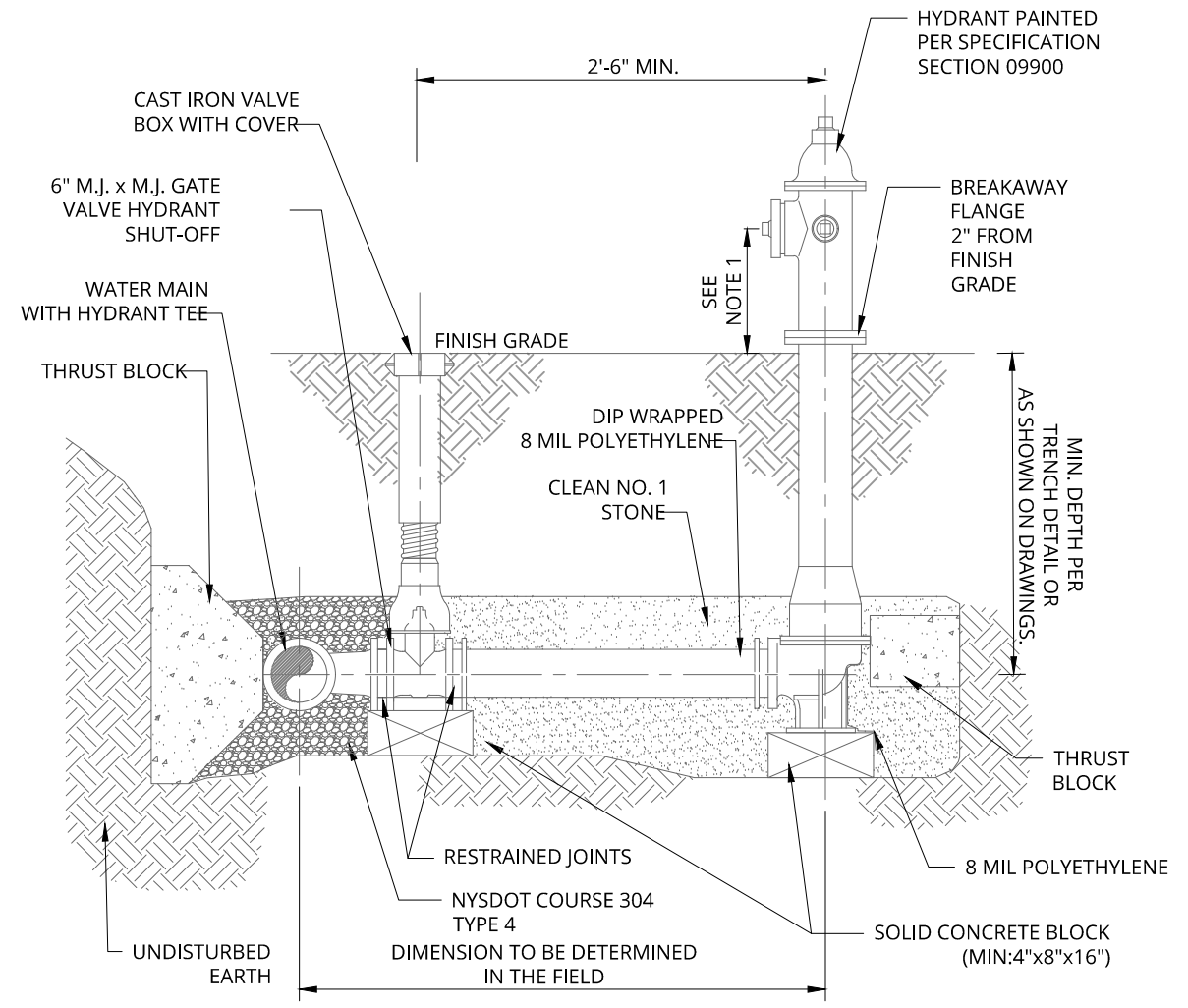
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9 PIPE BOLLARD DETAIL (TYP.)
NOT TO SCALE



- NOTES:
- CENTERLINE OF THE LOWEST NOZZLE TO FINISHED GRADE SHALL BE A MIN. OF 15" & MAX. OF 18".
 - HYDRANT RISER SHALL BE INSTALLED PLUMB.

10 FIRE HYDRANT ASSEMBLY INSTALLATION (TYP.)
NOT TO SCALE

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TITLE OF PROJECT WATER MAIN REPLACEMENT	CONTRACT NUMBER: TA#: 26-10A
LOCATION OF PROJECT PORT BYRON SERVICE AREA (MP 310.2)	DATE: 10/24/2025
TITLE OF DRAWING SITE DETAILS (6 OF 10)	DRAWING NUMBER: SD-06

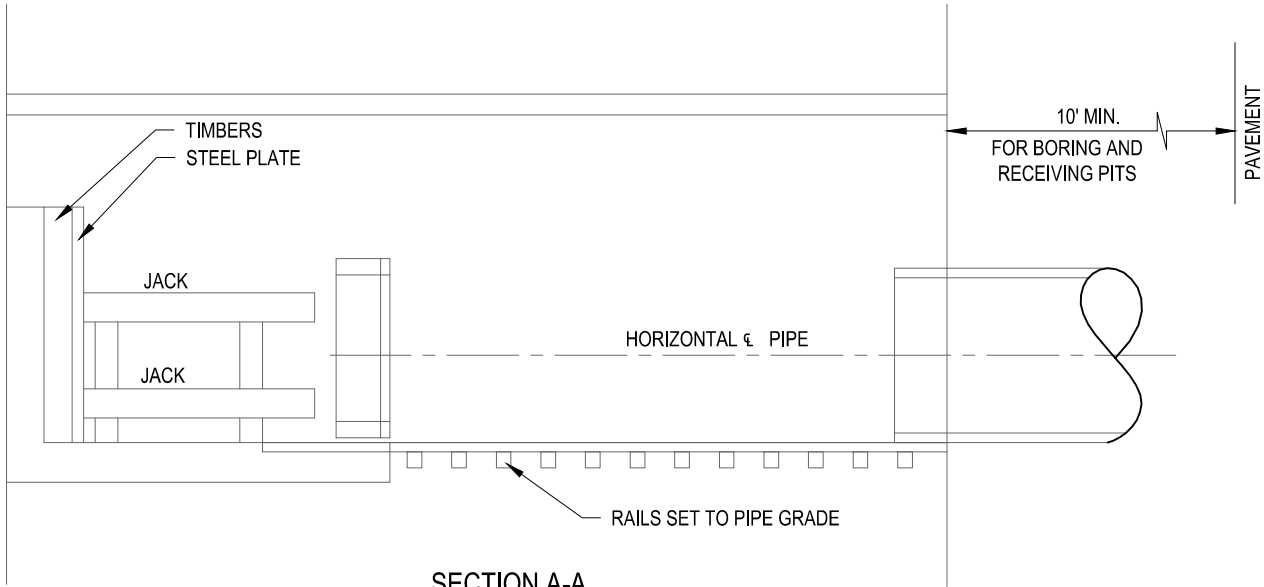
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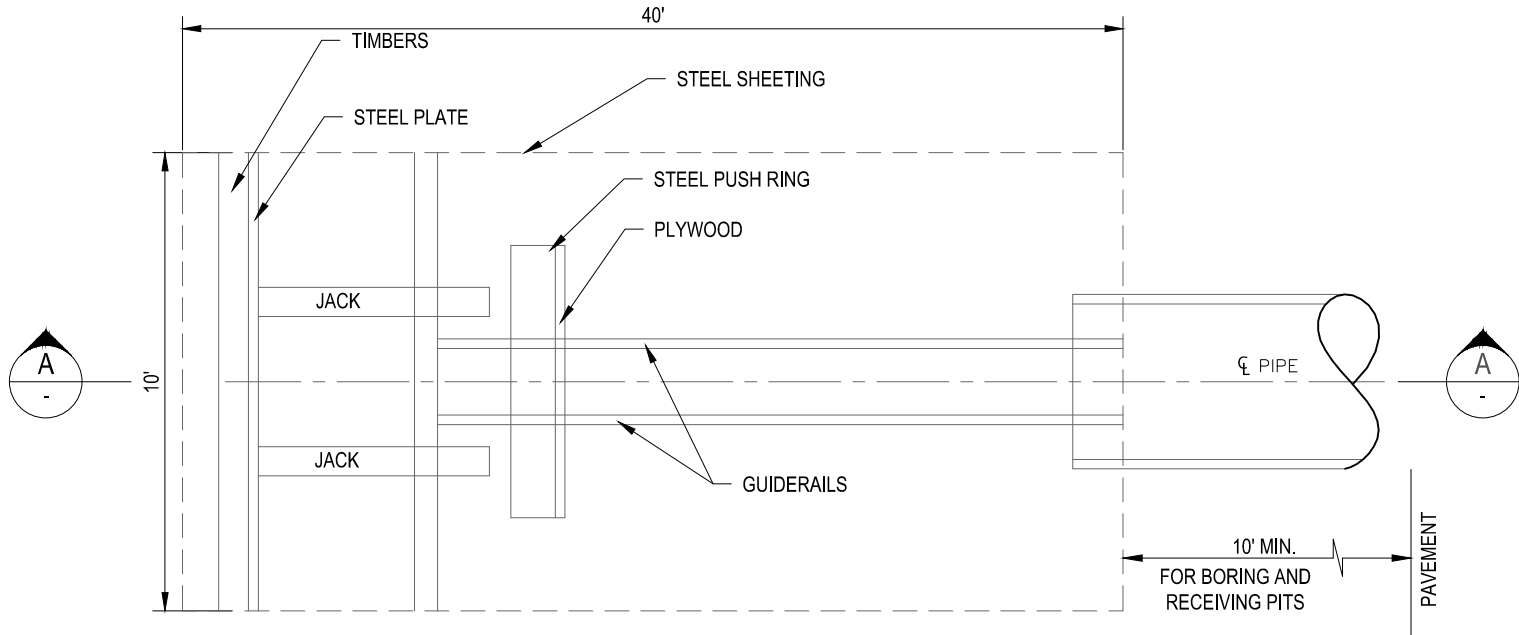
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DESIGN SUPERVISOR:



SECTION A-A

NTS



BORING PIT PLAN

NTS


NOTE:

THIS DETAIL HAS BEEN PROVIDED ONLY AS A REQUIREMENT OF THE NYSDOT AS A CONDITION OF THEIR DESIGN APPROVAL PROCESS. THE DETAIL IS NOT INTENDED TO BE FINAL FOR CONSTRUCTION. THE CONTRACTOR IS REQUIRED AND RESPONSIBLE TO PROVIDE THE NYSDOT WITH A FINAL DETAIL INCLUDING MEANS, METHODS, TECHNIQUES, SEQUENCES AND PROCEDURES OF CONSTRUCTION AND SAFETY PRECAUTIONS AS NECESSARY TO OBTAIN A NYSDOT PERMIT PRIOR TO CONSTRUCTION.

11

HIGHWAY BORING PITS (TYP.)



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  SYRACUSE (BA) 120 MADISON ST. TOWER 2, STE 500 SYRACUSE, NY 13202 PHONE: 315.422.5200 <small>COLLIERS ENGINEERING & DESIGN ARCHITECTURE, LANDSCAPE, SURVEYING, CIVIL, P.E.</small>	TITLE OF PROJECT WATER MAIN REPLACEMENT	CONTRACT NUMBER: TA#: 26-10A
LOCATION OF PROJECT PORT BYRON SERVICE AREA (MP 310.2)	TITLE OF DRAWING SITE DETAILS (7 OF 10)	DATE: 10/24/2025 DRAWING NUMBER: SD-07

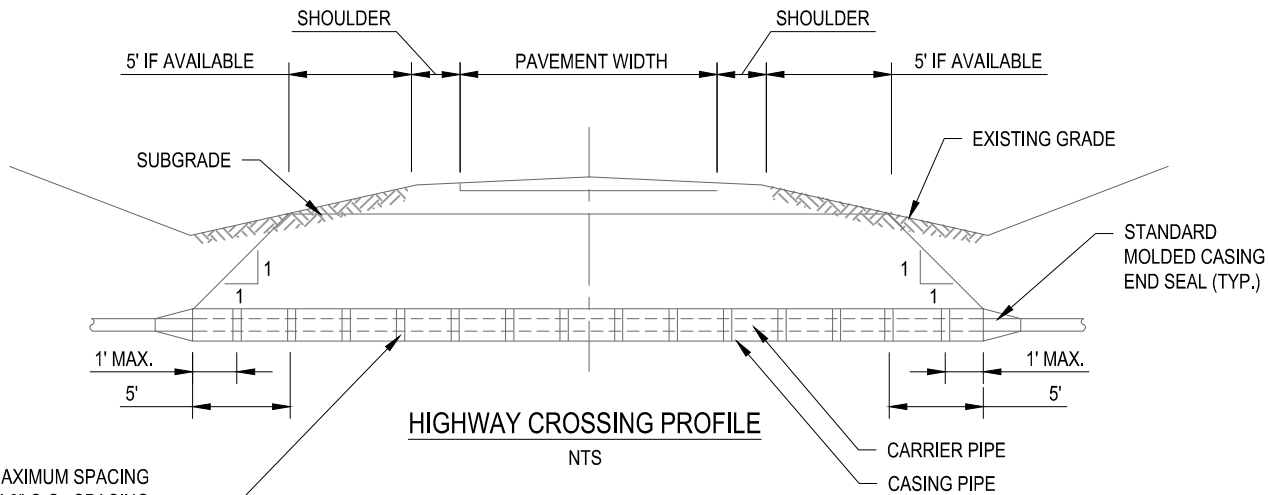
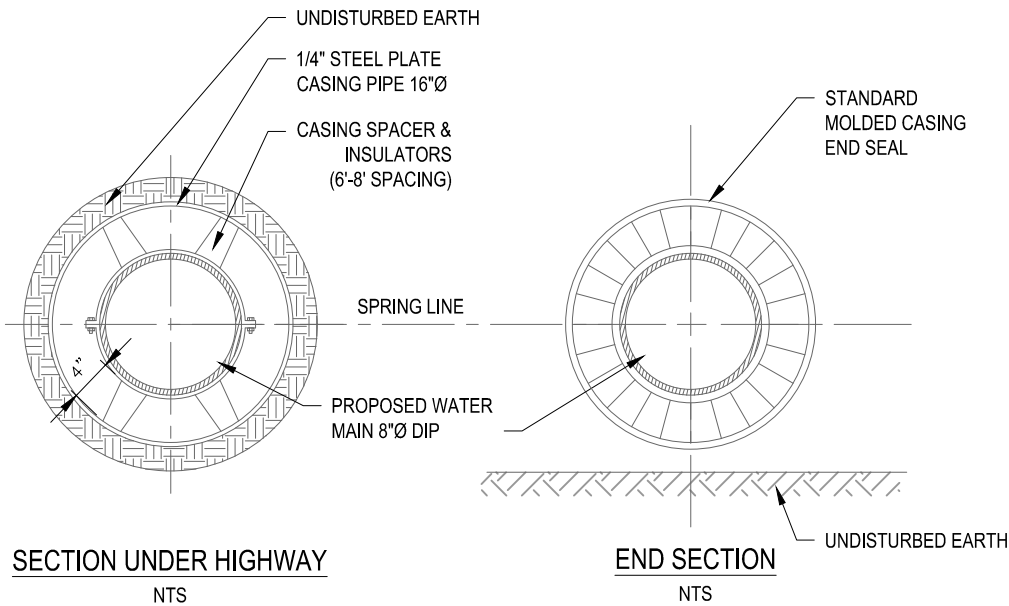
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PLASTIC CASING INSULATOR, MAXIMUM SPACING
BETWEEN INSULATORS TO BE 8'-0" O.C.. SPACING
AT ENDS OF CASING TO BE AS DIMENSIONED

NOTES:

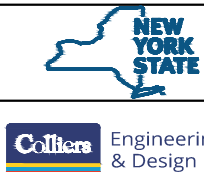
1. SAND BEDDING SHALL BE PLACED TO SPRING LINE OF CARRIER PIPE FOR GRAVITY SEWERS & SHALL ENCASE CARRIER PIPE FOR PRESSURE SYSTEMS.
2. CASING TO BE INSTALLED AT SLOPE OF CARRIER.
3. CARRIER TO CENTERED IN CASING.
4. SINGLE COURSE OF BRICK TO BE USED IN CONSTRUCTION OF EACH WALL. WALL TO BE TIGHT AGAINST CASING TO PREVENT LOSS OF SAND OR INFILTRATION OF OUTSIDE MATERIAL.
5. SAND OR "GRITS" (WITHOUT FINES) SHALL BE HYDRAULICALLY PLACED OR AIR-BLOWN INTO PLACE. CONTRACTOR SHALL TAKE PRECAUTIONS TO PREVENT CARRIER PIPE FROM FLOATING.

12 HIGHWAY CROSSING DETAIL
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TITLE OF PROJECT WATER MAIN REPLACEMENT	CONTRACT NUMBER: TA#: 26-10A
LOCATION OF PROJECT PORT BYRON SERVICE AREA (MP 310.2)	DATE: 10/24/2025
TITLE OF DRAWING SITE DETAILS (8 OF 10)	DRAWING NUMBER: SD-08

	 Engineering & Design	SYRACUSE (BA) 120 MADISON ST. TOWER 2, STE. 500 SYRACUSE, NY 13202 PHONE: 315.422.5200 COLLIERS ENGINEERING & DESIGN	TITLE OF PROJECT WATER MAIN REPLACEMENT	CONTRACT NUMBER: TA#: 26-10A
			LOCATION OF PROJECT PORT BYRON SERVICE AREA (MP 310.2)	DATE: 10/24/2025
			TITLE OF DRAWING SITE DETAILS (9 OF 10)	DRAWING NUMBER: SD-09

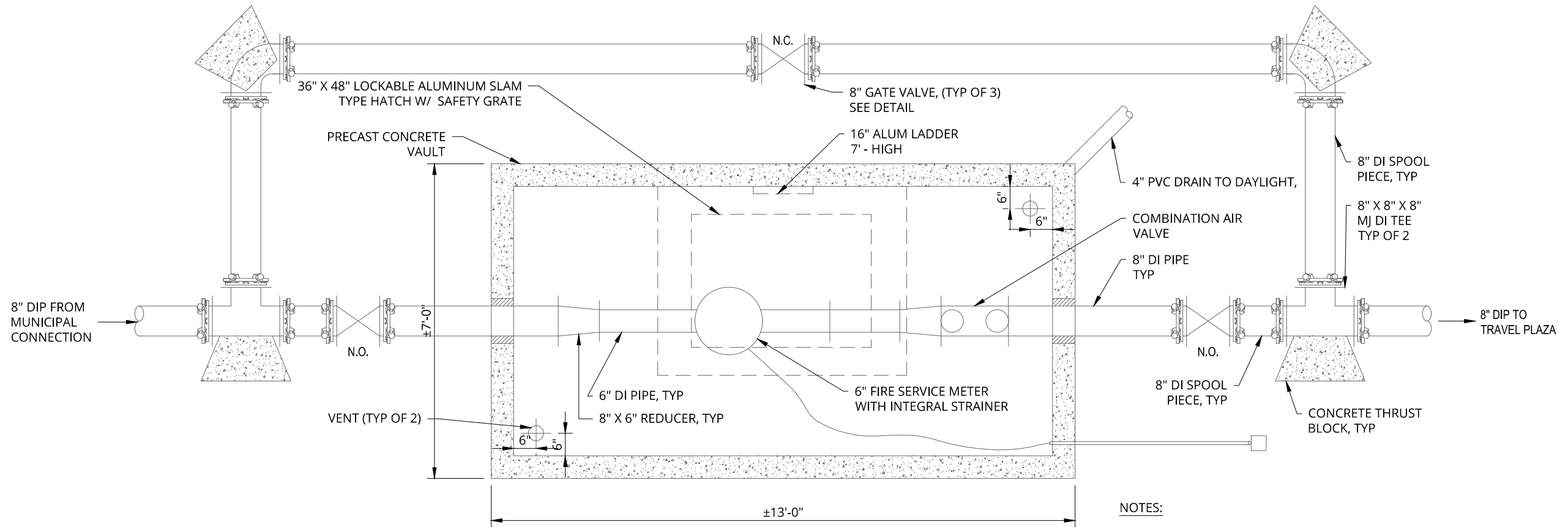
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PLAN VIEW

13 MASTER METER VAULT
NOT TO SCALE

NOTES:

1. STRUCTURE'S DIMENSIONS VARY DEPENDING UPON MANUFACTURER STANDARD DESIGN.
2. SEE PLAN VIEW FOR PIPING ORIENTATION.
3. RIM ELEVATIONS SHALL BE 6" ABOVE ADJACENT GRADE.
4. COORDINATE DAYLIGHT LOCATION AND INVERT OF 4" DRAIN WITH AUTHORITY.
5. PROVIDE SS HOSE CLAMP AND 1/4" SS WIRE MESH AT END OF DRAIN PIPE.
6. 4" PVC DRAIN TO BE APPROXIMATELY 100-FEET LONG, REFER TO DRAWING PP-01
7. PROVIDE MINIMUM NUMBER OF DIAMETERS OF STRAIGHT PIPE UPSTREAM AND DOWNSTREAM OF METER AS REQUIRED BY MANUFACTURER'S WRITTEN INSTRUCTIONS.

GENERAL NOTES:

1. ALL DIMENSIONS SHALL BE VERIFIED BY THE EQUIPMENT SUPPLIER PRIOR TO CONSTRUCTION.

ABBREVIATIONS

N.C. NORMALLY CLOSED
N.O. NORMALLY OPEN

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DATE	DESCRIPTION	BY	SYM.



Colliers Engineering & Design

Thruway Authority

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SYRACUSE, NY 13202
PHONE: 315.422.5200

COLLIERS ENGINEERING & DESIGN
ARCHITECTURE, LANDSCAPE, SURVEYING, CIVIL, P.E.

TITLE OF PROJECT WATER MAIN REPLACEMENT	CONTRACT NUMBER: TA#: 26-10A
LOCATION OF PROJECT PORT BYRON SERVICE AREA (MP 310.2)	DATE: 10/24/2025
TITLE OF DRAWING SITE DETAILS (10 OF 10)	DRAWING NUMBER: SD-10

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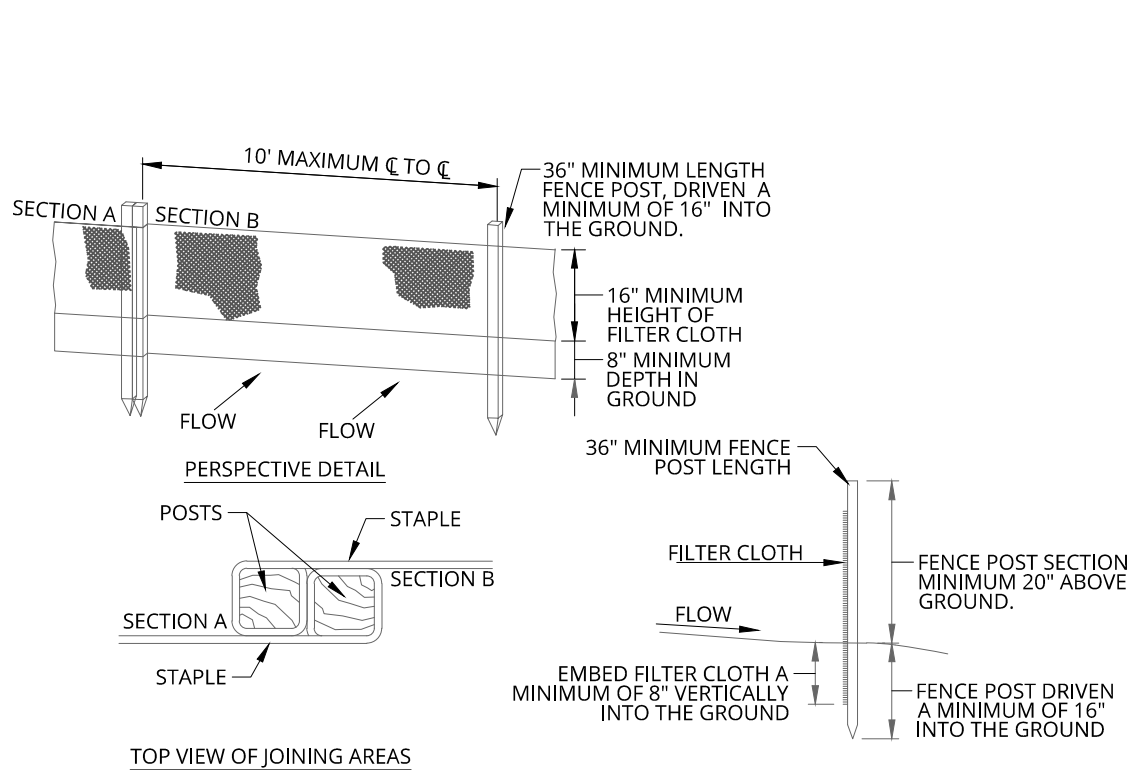
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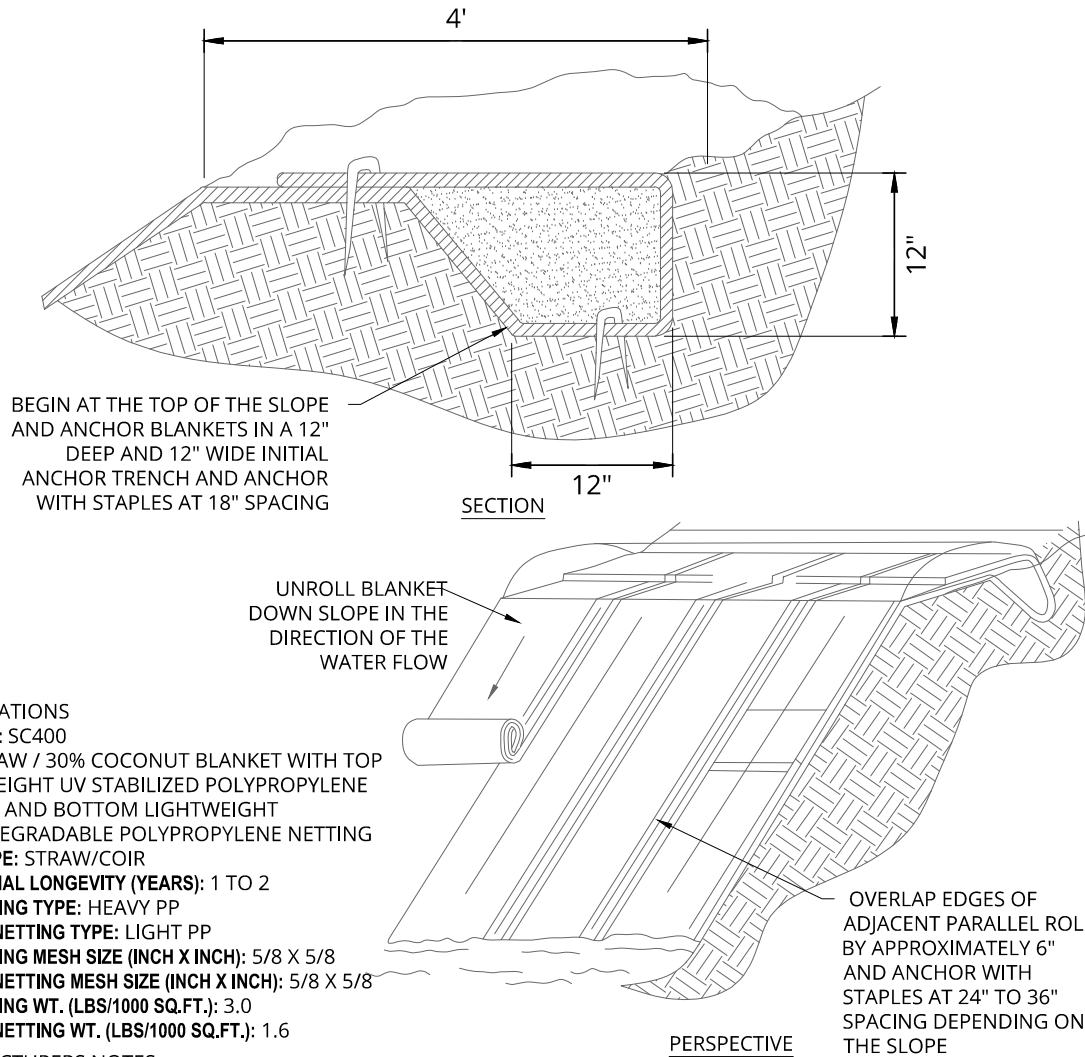


NOTES:

- WHERE ENDS OF THE FILTER CLOTH COME TOGETHER, THEY SHALL BE OVERLAPPED, FOLDED AND STAPLED TO PREVENT SEDIMENT BYPASS.
- ALL SILT FENCES SHALL BE PLACED AS CLOSE TO THE CONTOUR AS POSSIBLE.
- THE AREA BELOW THE FENCE MUST BE UNDISTURBED OR STABILIZED.
- FENCE POSTS (FOR FABRIC UNITS): THE LENGTH SHALL BE A MINIMUM OF 36 INCHES LONG. WOOD POSTS 2 X 2 WITH A MINIMUM CROSS SECTIONAL AREA OF 3.0 SQUARE INCHES WILL BE OF SOUND QUALITY HARDWOOD. STEEL POSTS WILL BE STANDARD T OR U SECTION WEIGHT NOT LESS THAN 1.00 POUND PER LINEAR FOOT.

CROSS SECTION

14 SILT FENCE INSTALLATION
NOT TO SCALE




SPECIFICATIONS

PRODUCT: SC400
70% STRAW / 30% COCONUT BLANKET WITH TOP HEAVYWEIGHT UV STABILIZED POLYPROPYLENE NETTING AND BOTTOM LIGHTWEIGHT PHOTODEGRADABLE POLYPROPYLENE NETTING
FIBER TYPE: STRAW/COIR
FUNCTIONAL LONGEVITY (YEARS): 1 TO 2
TOP NETTING TYPE: HEAVY PP
BOTTOM NETTING TYPE: LIGHT PP
TOP NETTING MESH SIZE (INCH X INCH): 5/8 X 5/8
BOTTOM NETTING MESH SIZE (INCH X INCH): 5/8 X 5/8
TOP NETTING WT. (LBS/1000 SQ.FT.): 3.0
BOTTOM NETTING WT. (LBS/1000 SQ.FT.): 1.6

MANUFACTURERS NOTES

- THESE BLANKETS CAN BE USED ON 2:1 TO 1:1 SLOPES AND IN CHANNELS WITH MODERATE TO SEVERE FLOW CONDITONS.



15 STRAW/ COCONUT BLANKETS
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LOCATION OF PROJECT PORT BYRON SERVICE AREA (MP 310.2)	TITLE OF DRAWING EROSION CONTROL DETAILS (1 OF 2)	DATE: 10/24/2025 DRAWING NUMBER: SD-11

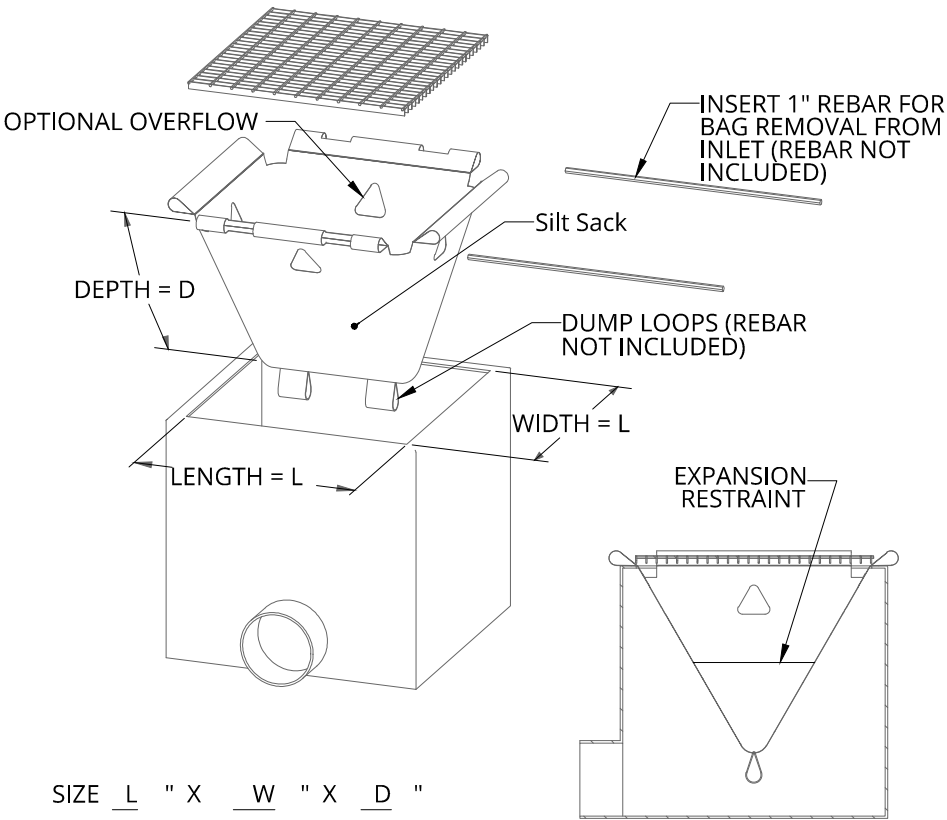
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16 SILT SACK - TYPE A
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	LOCATION OF PROJECT PORT BYRON SERVICE AREA (MP 310.2)	DATE: 10/24/2025
SYRACUSE (BA) 120 MADISON ST. TOWER 2, STE 500 SYRACUSE, NY 13202 PHONE: 315.422.5200 <small>COLLIERS ENGINEERING & DESIGN ARCHITECTURE, LANDSCAPE, SURVEYING, CIVIL, P.C.</small>	TITLE OF DRAWING EROSION CONTROL DETAILS (2 OF 2)	DRAWING NUMBER: SD-12