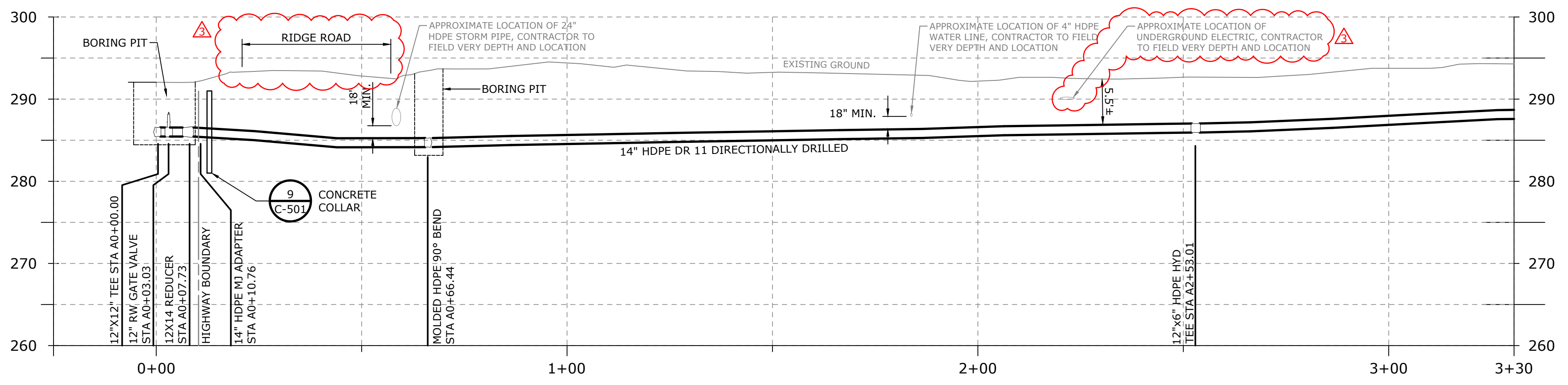


1 PLAN
 SCALE: 1" = 20"
 CROSS REFERENCE: NONE



2 PROFILE
 SCALE: HORIZ. 1" = 20"
 VERT. 1" = 10"
 CROSS REFERENCE: NONE

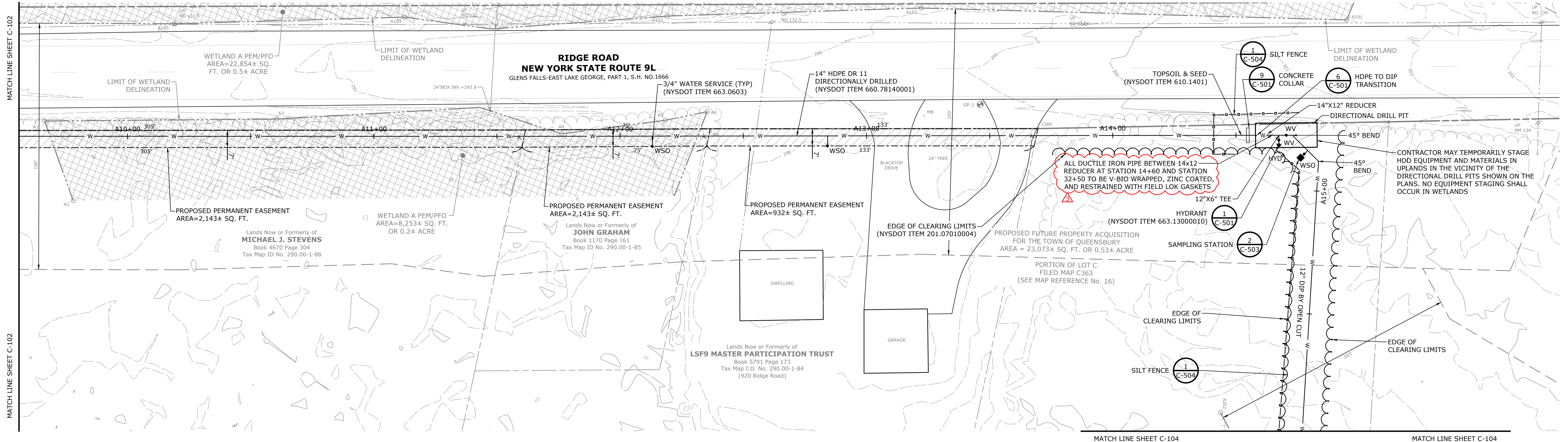
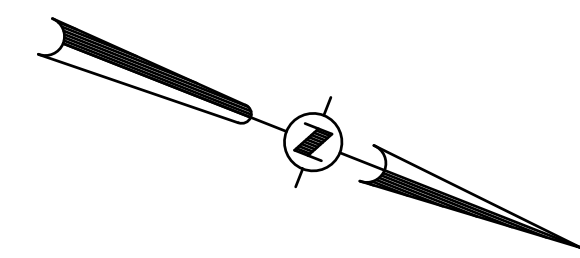
- NOTE:
1. ALL HDD DRILLING AND RECEIVING PITS SHALL BE LOCATED OUTSIDE OF WETLAND BOUNDARIES INDICATED ON PLANS.
 2. NO WETLAND DISTURBANCE SHALL OCCUR OUTSIDE IMMEDIATE DISTURBANCE RELATED TO CURBSTOPS AND HYDRANT INSTALLATION.



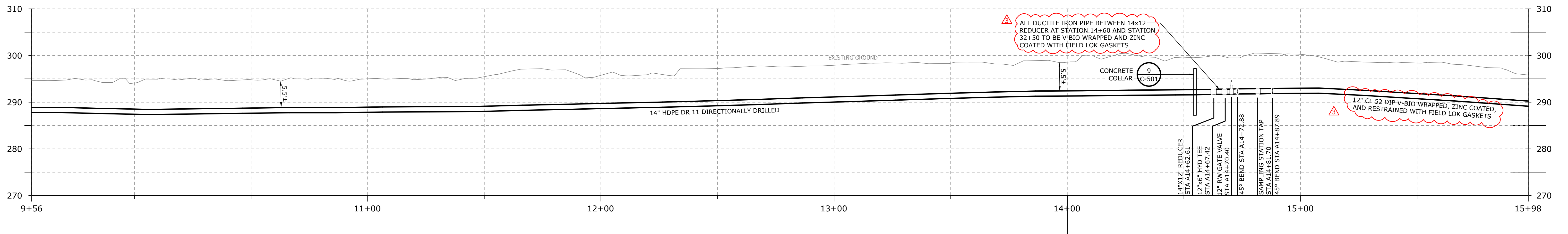
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JAMES R. EDWARDS P.E. NO. 068519 	DATE	REVISIONS RECORD/DESCRIPTION	DRAFTER	CHECK	APPR.	UNAUTHORIZED ALTERATION OR ADDITION TO THIS DOCUMENT IS A VIOLATION OF THE NEW YORK STATE EDUCATION LAW. © 2025 C.T. MALE ASSOCIATES DESIGNED: JRE DRAFTED: SMW CHECKED: JRE PROJ. NO: 25.1138 SCALE: AS NOTED DATE: DEC. 2025	PLAN & PROFILE RIDGE RD CONTRACT 1 WATER DISTRIBUTION SYSTEM TOWN OF QUEENSBURY, WARREN CO. JENKINSVILLE WATER DISTRICT TOWN OF QUEENSBURY WARREN COUNTY, NEW YORK
	02/24/26	REVISIONS PER NYSDOH COMMENTS	SMW	JRE	JRE		
	03/31/26	ISSUED FOR BID	SMW	JRE	JRE		C.T. MALE ASSOCIATES Engineering, Surveying, Architecture, Landscape Architecture & Geology, D.P.C. 50 CENTURY HILL DRIVE, LATHAM, NY 12110 PH: 518.786.7400 GLENS FALLS, NY • JOHNSTOWN, NY • POUGHKEEPSIE, NY • SYRACUSE, NY www.ctmale.com
	04/17/26	ADDENDUM 1	SMW	JRE	JRE		

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1 PLAN
 SCALE: 1" = 20"
 CROSS REFERENCE: NONE

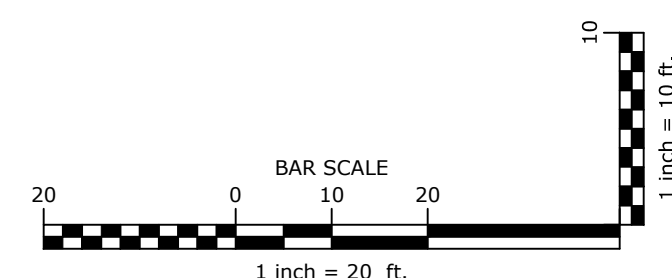


2 PROFILE
 SCALE: HORZ. 1" = 20"
 VERT. 1" = 10"
 CROSS REFERENCE: NONE

NYSDEC FRESHWATER WETLAND IMPACTS

WETLAND I.D.	PERM. WETLAND DISTURBANCE	TEMP. WETLAND DISTURBANCE	AA DISTURBANCE	WATER MAIN (WETLAND)	WATER MAIN (AA)
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B	0.00 AC.	200 SQ. FT.	100 SQ. FT.	212 LF.	104 LF.
C	0.00 AC.	0.00 AC.	0.08 AC.	0 LF.	384 LF.
D	0.00 AC.	0.00 AC.	0.09 AC.	0 LF.	383 LF.
E	0.00 AC.	0.00 AC.	0.04 AC.	0 LF.	300 LF.
F	0.00 AC.	0.00 AC.	0.05 AC.	0 LF.	183 LF.

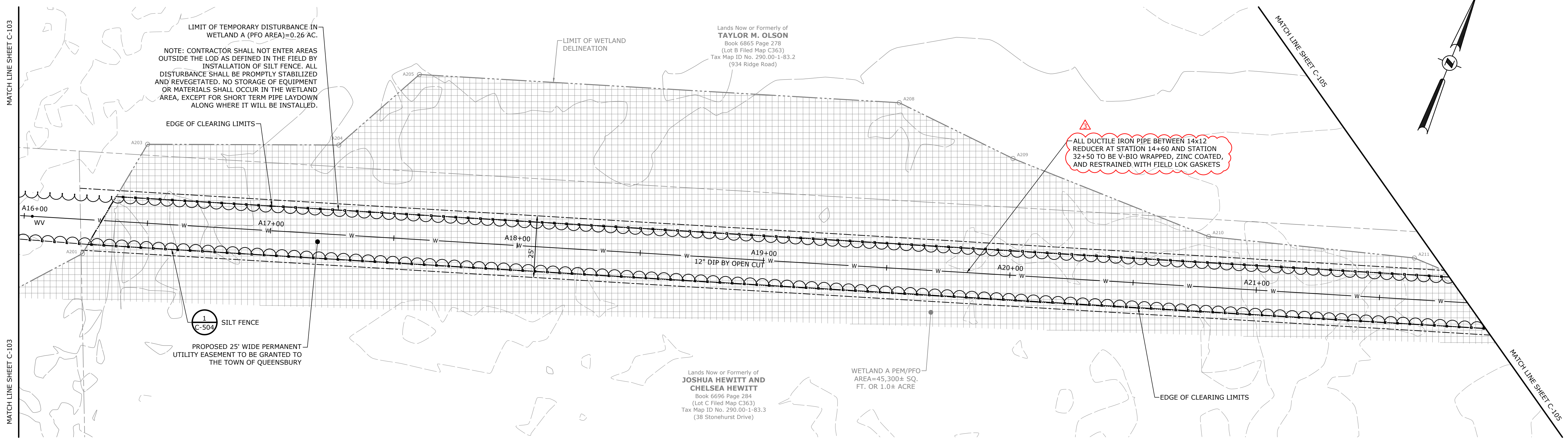
- NOTE:
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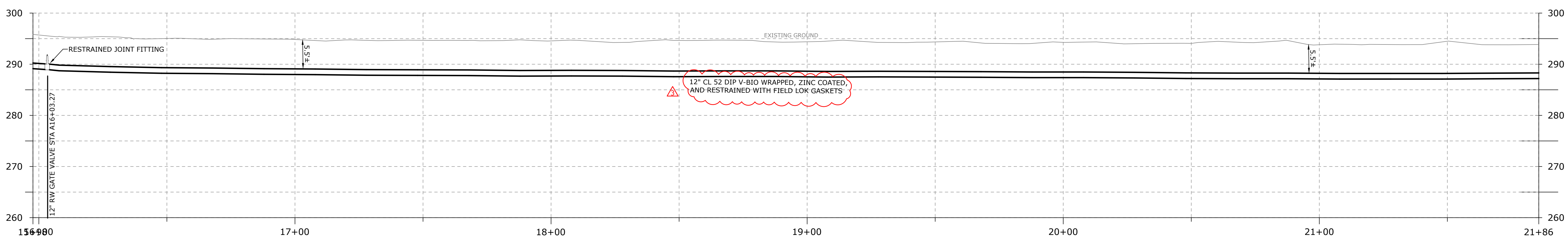
ISSUED FOR BID

JAMES R. EDWARDS P.E. NO. 068519 	DATE	REVISIONS RECORD/DESCRIPTION	DRAFTER	CHECK	APPR.	UNAUTHORIZED ALTERATION OR ADDITION TO THIS DOCUMENT IS A VIOLATION OF THE NEW YORK STATE EDUCATION LAW. © 2025 C.T. MALE ASSOCIATES DESIGNED: JRE DRAFTED: SMW CHECKED: JRE PROJ. NO : 25.1138 SCALE : AS NOTED DATE : DEC. 2025	PLAN & PROFILE RIDGE RD CONTRACT 1 WATER DISTRIBUTION SYSTEM TOWN OF QUEENSBURY, WARREN CO. JENKINSVILLE WATER DISTRICT TOWN OF QUEENSBURY WARREN COUNTY, NEW YORK C.T. MALE ASSOCIATES Engineering, Surveying, Architecture, Landscape Architecture & Geology, D.P.C. 50 CENTURY HILL DRIVE, LATHAM, NY 12110 PH: 518.786.7400 GLENS FALLS, NY • JOHNSTOWN, NY • POUGHKEEPSIE, NY • SYRACUSE, NY
	02/24/26 03/31/26 04/17/26	REVISIONS PER NYSDOH COMMENTS ISSUED FOR BID ADDENDUM 1	SMW	JRE	JRE		

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1 PLAN
SCALE: 1" = 20"
CROSS REFERENCE: NONE

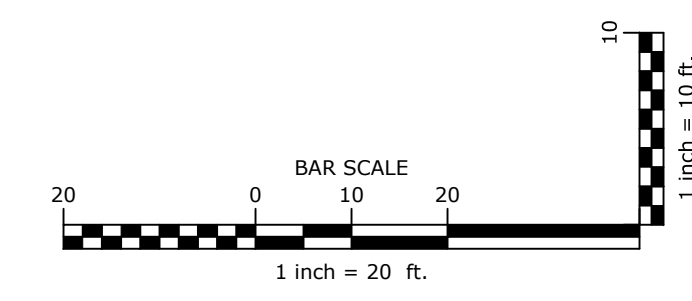


2 PROFILE
SCALE: HORZ. 1" = 20"
VERT. 1" = 10"
CROSS REFERENCE: NONE

NYSDEC FRESHWATER WETLAND IMPACTS

WETLAND I.D.	PERM. WETLAND DISTURBANCE	TEMP. WETLAND DISTURBANCE	AA DISTURBANCE	WATER MAIN (WETLAND)	WATER MAIN (AA)
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D	0.00 AC.	0.00 AC.	0.09 AC.	0 LF.	383 LF.
E	0.00 AC.	0.00 AC.	0.04 AC.	0 LF.	300 LF.
F	0.00 AC.	0.00 AC.	0.05 AC.	0 LF.	183 LF.

- NOTE:
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PLAN & PROFILE 38 STONEHURST DR

CONTRACT 1 WATER DISTRIBUTION SYSTEM
TOWN OF QUEENSBURY, WARREN CO. JENKINSVILLE WATER DISTRICT
TOWN OF QUEENSBURY, WARREN COUNTY, NEW YORK

C.T. MALE ASSOCIATES
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SHEET 06 OF 48
DWG. NO: 26-0101

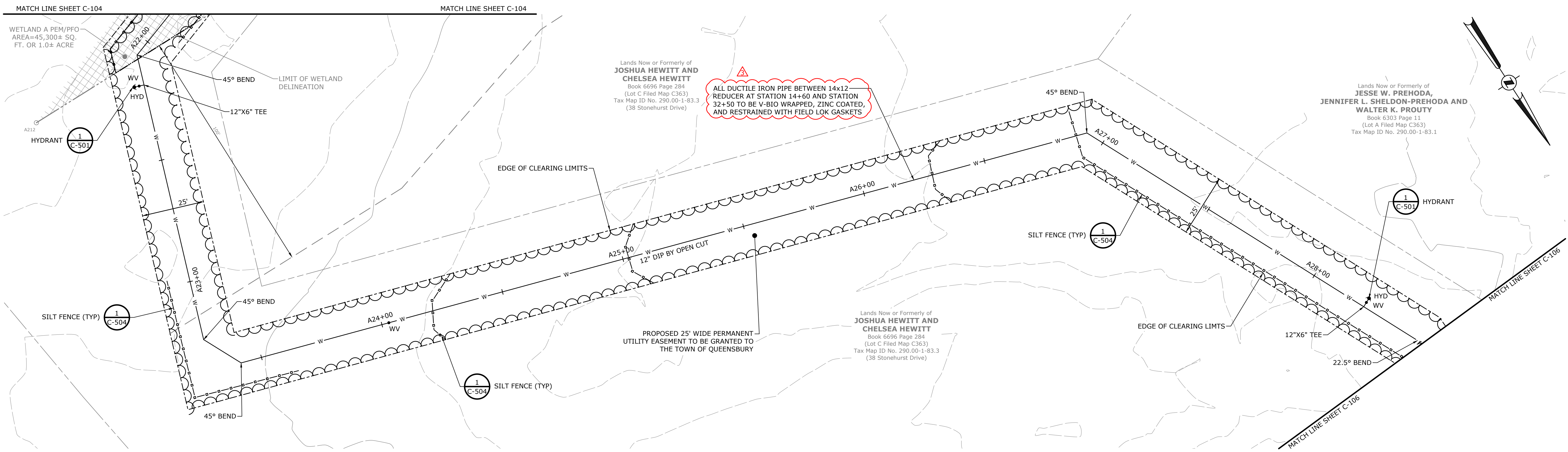
DATE	REVISIONS RECORD/DESCRIPTION	DRAFTER	CHECK	APPR.
02/24/26	REVISIONS PER NYSDOH COMMENTS	SMW	JRE	JRE
03/31/26	ISSUED FOR BID	SMW	JRE	JRE
04/17/26	ADDENDUM 1	SMW	JRE	JRE

JAMES R. EDWARDS
P.E. NO. 068519

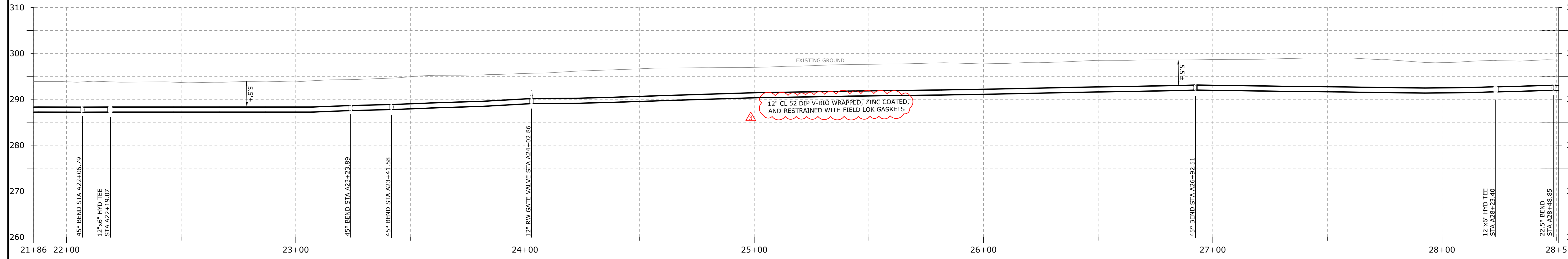
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CHECKED: JRE
PROJ. NO : 25.1138
SCALE : AS NOTED
DATE : DEC. 2025



1 PLAN
 SCALE: 1" = 20'
 CROSS REFERENCE: NONE

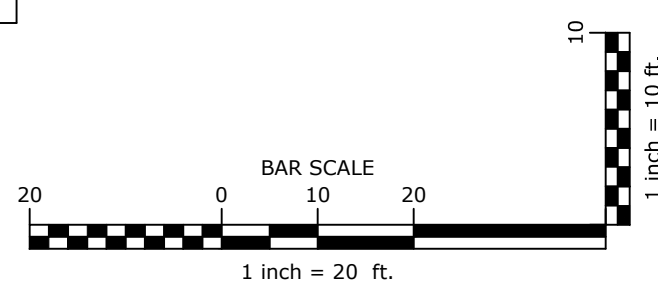


2 PROFILE
 SCALE: HORZ. 1" = 20'
 VERT. 1" = 10'
 CROSS REFERENCE: NONE

NYSDEC FRESHWATER WETLAND IMPACTS

WETLAND I.D.	PERM. WETLAND DISTURBANCE	TEMP. WETLAND DISTURBANCE	AA DISTURBANCE	WATER MAIN (WETLAND)	WATER MAIN (AA)
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D	0.00 AC.	0.00 AC.	0.09 AC.	0 LF.	383 LF.
E	0.00 AC.	0.00 AC.	0.04 AC.	0 LF.	300 LF.
F	0.00 AC.	0.00 AC.	0.05 AC.	0 LF.	183 LF.

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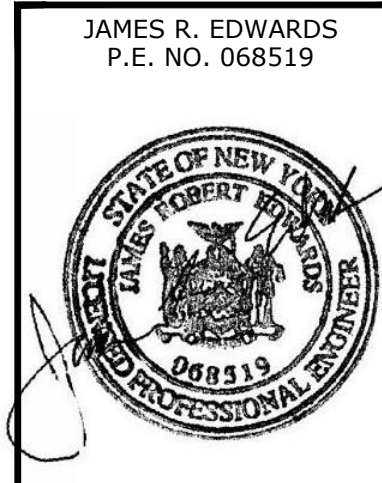
ISSUED FOR BID

PLAN & PROFILE 38 STONEHURST DR

CONTRACT 1 WATER DISTRIBUTION SYSTEM
TOWN OF QUEENSBURY, WARREN CO. JENKINSVILLE WATER DISTRICT
 TOWN OF QUEENSBURY WARREN COUNTY, NEW YORK

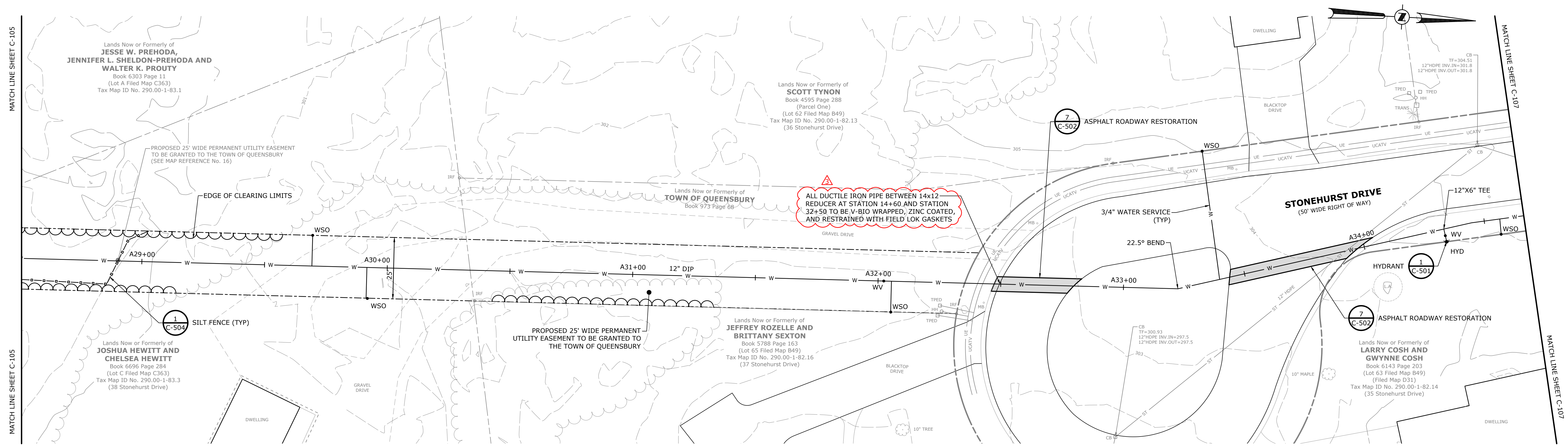
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 SHEET 07 OF 48
 DWG. NO: 26-0101

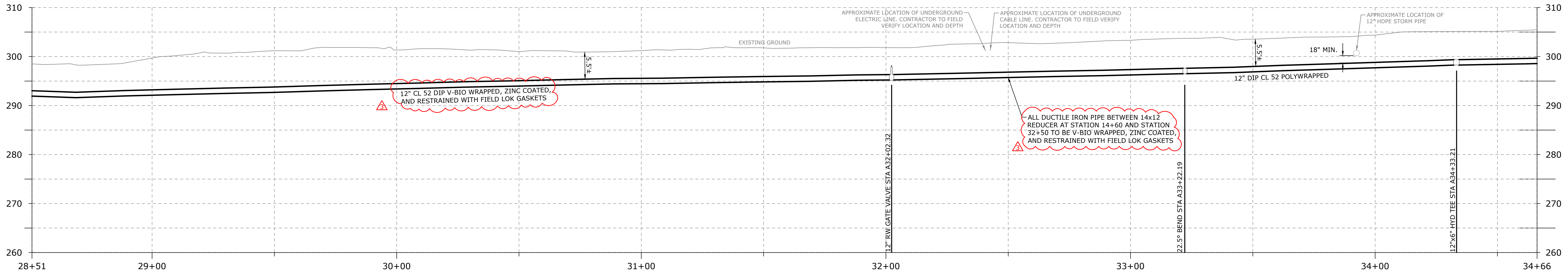


DATE	REVISIONS RECORD/DESCRIPTION	DRAFTER	CHECK	APPR.
02/24/26	REVISIONS PER NYSDOH COMMENTS	SMW	JRE	JRE
03/31/26	ISSUED FOR BID	SMW	JRE	JRE
04/17/26	ADDENDUM 1	SMW	JRE	JRE

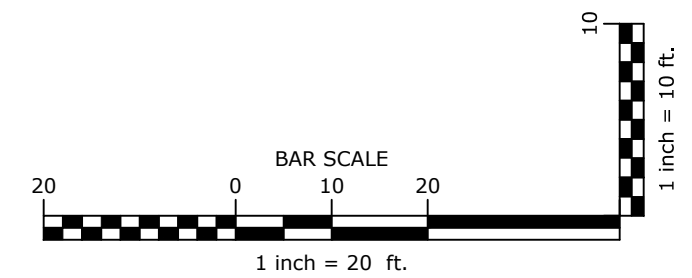
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 PROJ. NO : 25.1138
 SCALE : AS NOTED
 DATE : DEC. 2025



1 PLAN
 C-106 SCALE: 1" = 20"
 CROSS REFERENCE: NONE

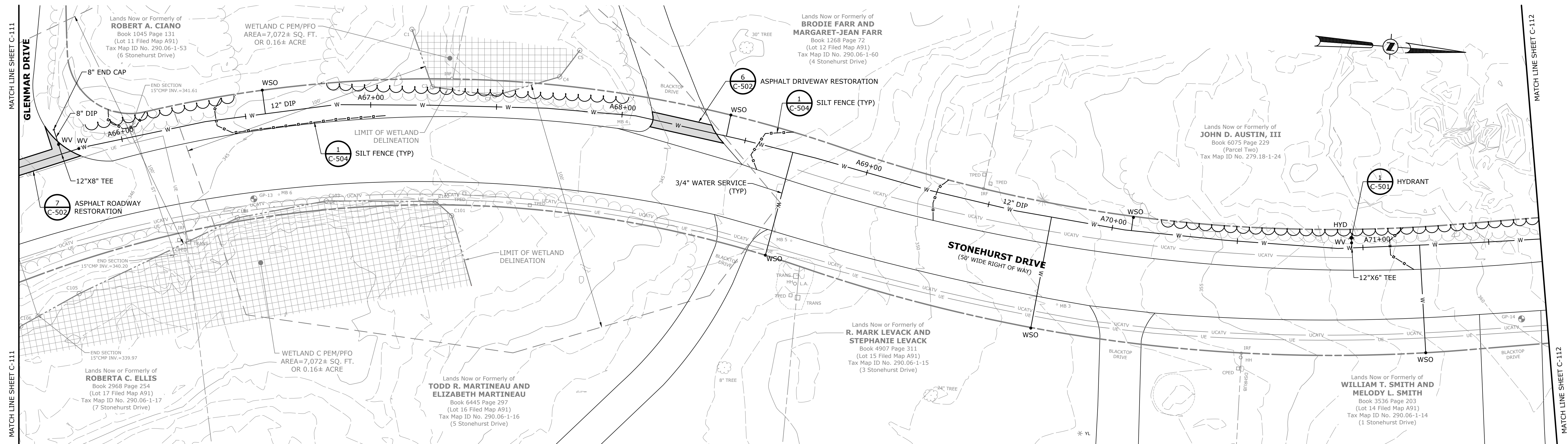


2 PROFILE
 C-106 SCALE: HORZ. 1" = 20"
 VERT. 1" = 10"
 CROSS REFERENCE: NONE

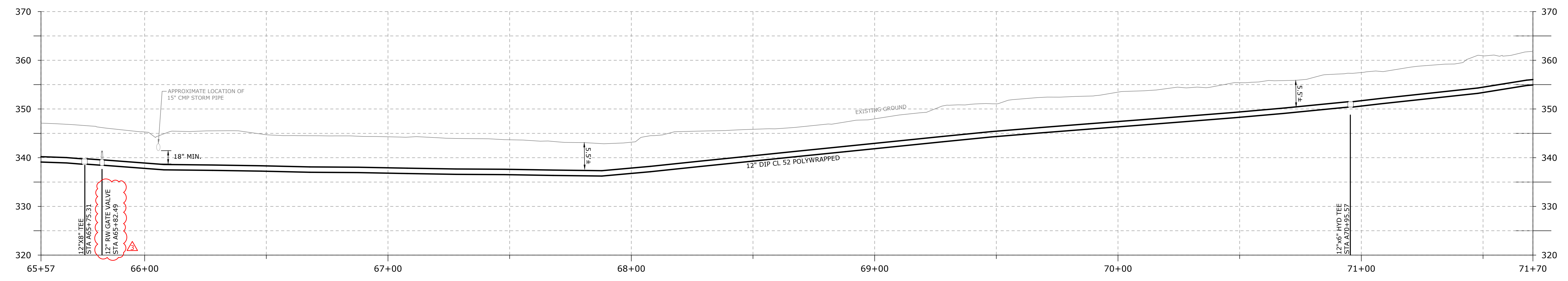


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	02/24/26 03/31/26 04/17/26	REVISIONS PER NYSDOH COMMENTS ISSUED FOR BID ADDENDUM 1	SMW JRE SMW	JRE JRE JRE	JRE JRE JRE		



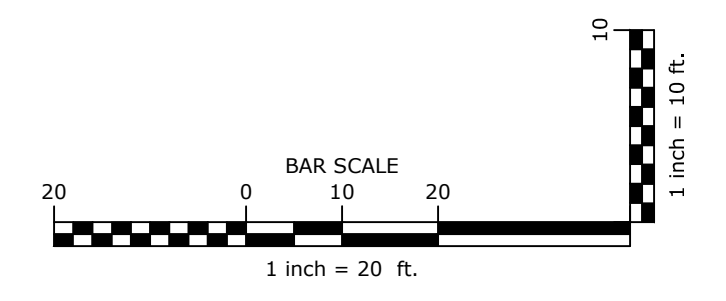
1 PLAN
 SCALE: 1" = 20'
 CROSS REFERENCE: NONE



2 PROFILE
 SCALE: HORZ. 1" = 20'
 VERT. 1" = 10'
 CROSS REFERENCE: NONE

NYSDEC FRESHWATER WETLAND IMPACTS

WETLAND I.D.	PERM. WETLAND DISTURBANCE	TEMP. WETLAND DISTURBANCE	AA DISTURBANCE	WATER MAIN (WETLAND)	WATER MAIN (AA)
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D	0.00 AC.	0.00 AC.	0.09 AC.	0 LF.	383 LF.
E	0.00 AC.	0.00 AC.	0.04 AC.	0 LF.	300 LF.
F	0.00 AC.	0.00 AC.	0.05 AC.	0 LF.	183 LF.



ISSUED FOR BID

PLAN & PROFILE STONEHURST DR

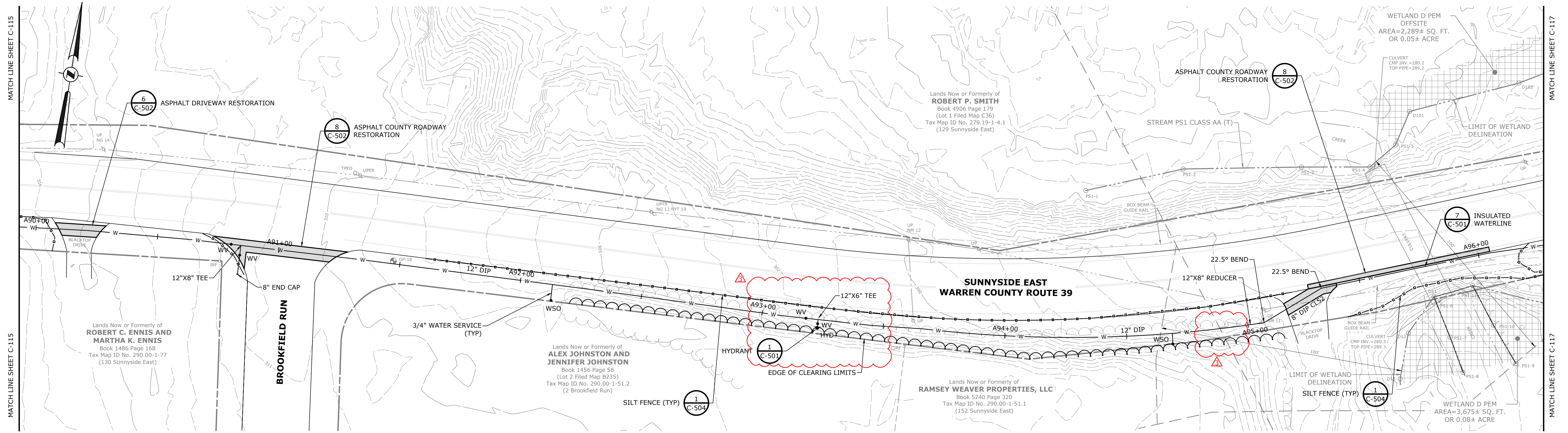
CONTRACT 1 WATER DISTRIBUTION SYSTEM
TOWN OF QUEENSBURY, WARREN CO. JENKINSVILLE WATER DISTRICT
 TOWN OF QUEENSBURY, WARREN COUNTY, NEW YORK

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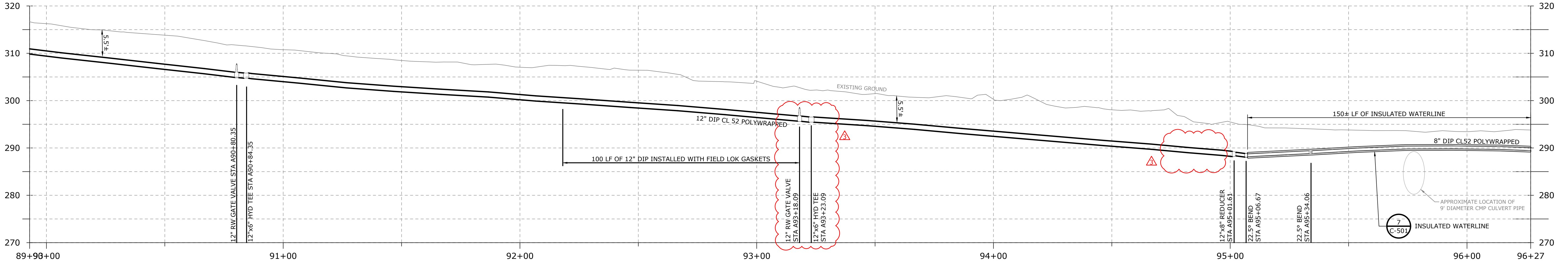
C-112
 SHEET 14 OF 48
 DWG. NO: 26-0101

DATE	REVISIONS RECORD/DESCRIPTION	DRAFTER	CHECK	APPR.
02/24/26	REVISIONS PER NYSDOH COMMENTS	SMW	JRE	JRE
03/31/26	ISSUED FOR BID	SMW	JRE	JRE
04/17/26	ADDENDUM 1	SMW	JRE	JRE

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 CHECKED: JRE
 PROJ. NO : 25.1138
 SCALE : AS NOTED
 DATE : DEC. 2025



1 PLAN
 C-116 SCALE: 1" = 20'
 CROSS REFERENCE: NONE



2 PROFILE
 C-116 SCALE: HORZ. 1" = 20'
 VERT. 1" = 10'
 CROSS REFERENCE: NONE

NYSDEC FRESHWATER WETLAND IMPACTS

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E	0.00 AC.	0.00 AC.	0.04 AC.	0 LF.	300 LF.
F	0.00 AC.	0.00 AC.	0.05 AC.	0 LF.	183 LF.

NYSDEC PROTECTED STREAM AREA IMPACTS

ACTIVITY	CLASS AA (T) STREAM IMPACTS
IMPACT TO STREAM AND WATERS (IN-STREAM WORK)	0.00 AC.
DISTURBANCE WITHIN 50 FEET OF STREAM FROM INSTALLATION OF 125 FT. X 8-INCH DIP (INSULATED) BY OPEN TRENCH OVER THE EXISTING CULVERT WITHIN THE ROADBED. BACKFILL AND RESTORE AREA.	0.02 AC.



ISSUED FOR BID

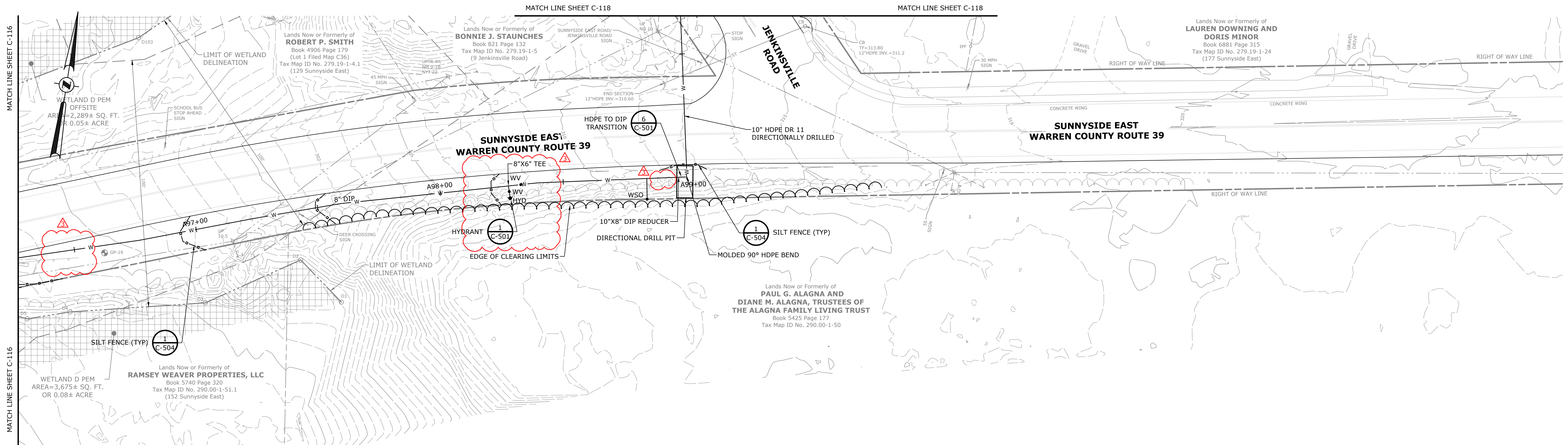
PLAN & PROFILE SUNNYSIDE EAST

CONTRACT 1 WATER DISTRIBUTION SYSTEM
TOWN OF QUEENSBURY, WARREN CO. JENKINSVILLE WATER DISTRICT
 TOWN OF QUEENSBURY WARREN COUNTY, NEW YORK

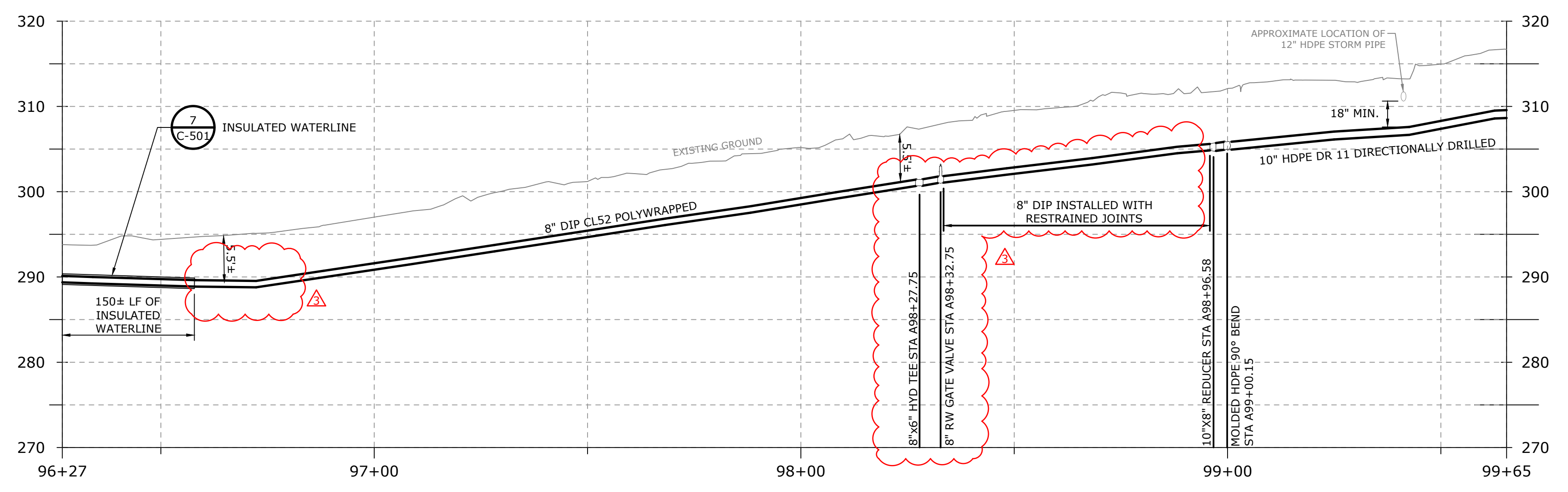
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C-116
 SHEET 18 OF 48
 DWG. NO: 26-0101

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02/24/26	REVISIONS PER NYSDOH COMMENTS	SMW	JRE	JRE	© 2025 C.T. MALE ASSOCIATES DESIGNED: JRE DRAFTED: SMW CHECKED: JRE PROJ. NO : 25.1138 SCALE : AS NOTED DATE : DEC. 2025
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04/17/26	ADDENDUM 1	SMW	JRE	JRE	



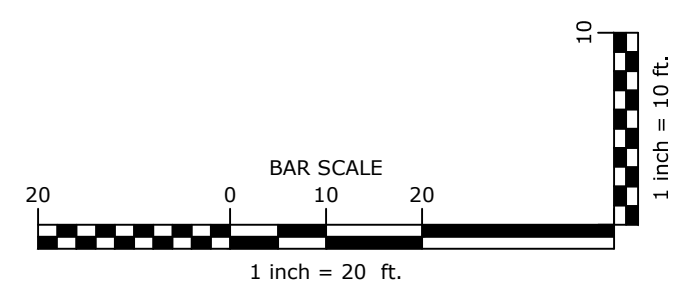
1 PLAN
 SCALE: 1" = 20"
 CROSS REFERENCE: NONE



2 PROFILE
 SCALE: HORZ. 1" = 20'
 VERT. 1" = 10'
 CROSS REFERENCE: NONE

NYSDEC FRESHWATER WETLAND IMPACTS

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F	0.00 AC.	0.00 AC.	0.05 AC.	0 LF.	183 LF.



ISSUED FOR BID

PLAN & PROFILE SUNNYSIDE EAST

CONTRACT 1 WATER DISTRIBUTION SYSTEM
TOWN OF QUEENSBURY, WARREN CO. JENKINSVILLE WATER DISTRICT
 TOWN OF QUEENSBURY
 WARREN COUNTY, NEW YORK

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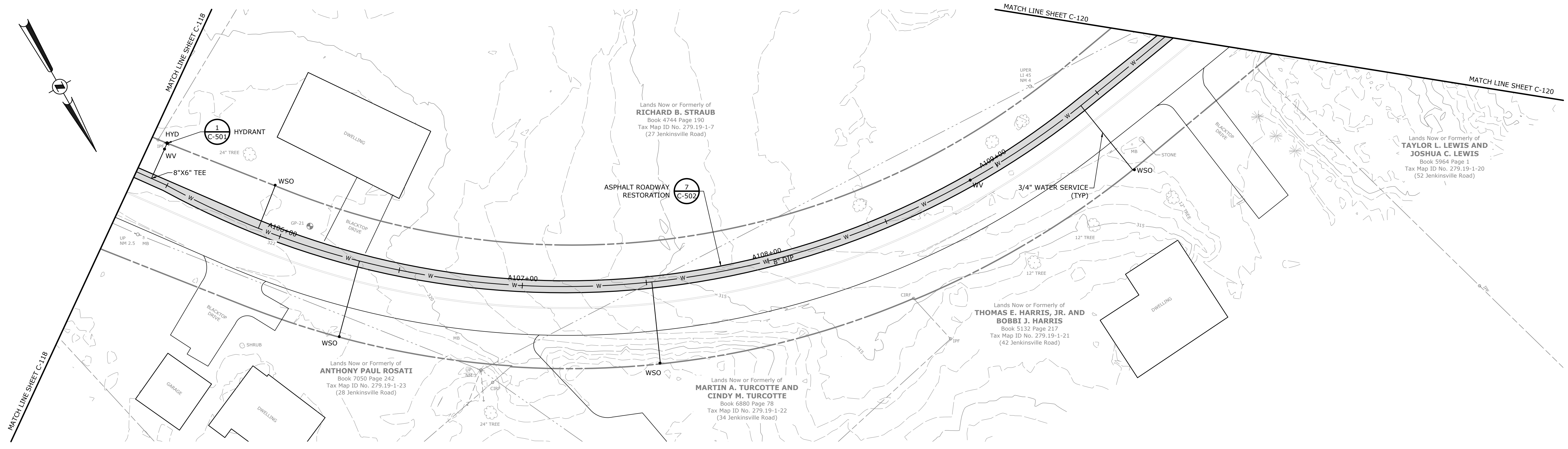
C-117
 SHEET 19 OF 48
 DWG. NO: 26-0101

DATE	REVISIONS RECORD/DESCRIPTION	DRAFTER	CHECK	APPR.
02/24/26	REVISIONS PER NYSDOH COMMENTS	SMW	JRE	JRE
03/31/26	ISSUED FOR BID	SMW	JRE	JRE
04/17/26	ADDENDUM 1	SMW	JRE	JRE

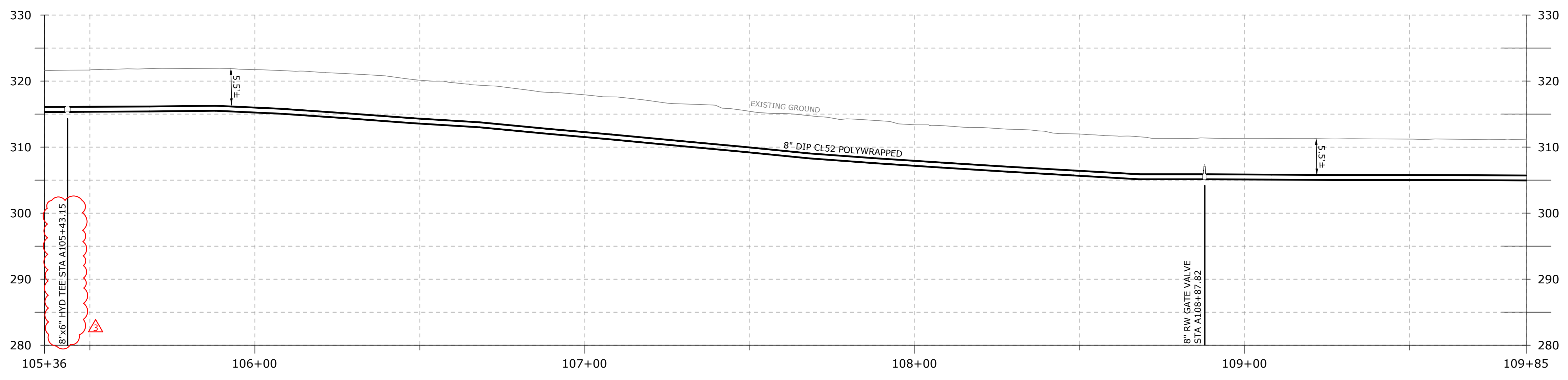
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DESIGNED: JRE
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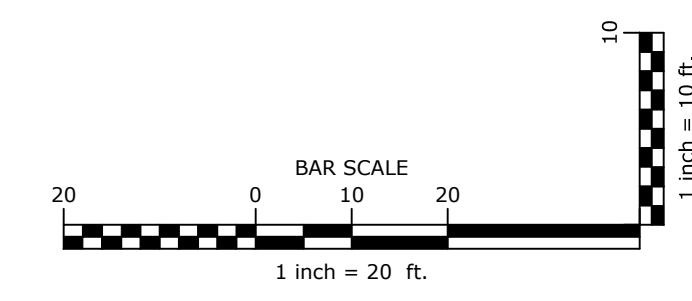


1 PLAN
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 CROSS REFERENCE: NONE



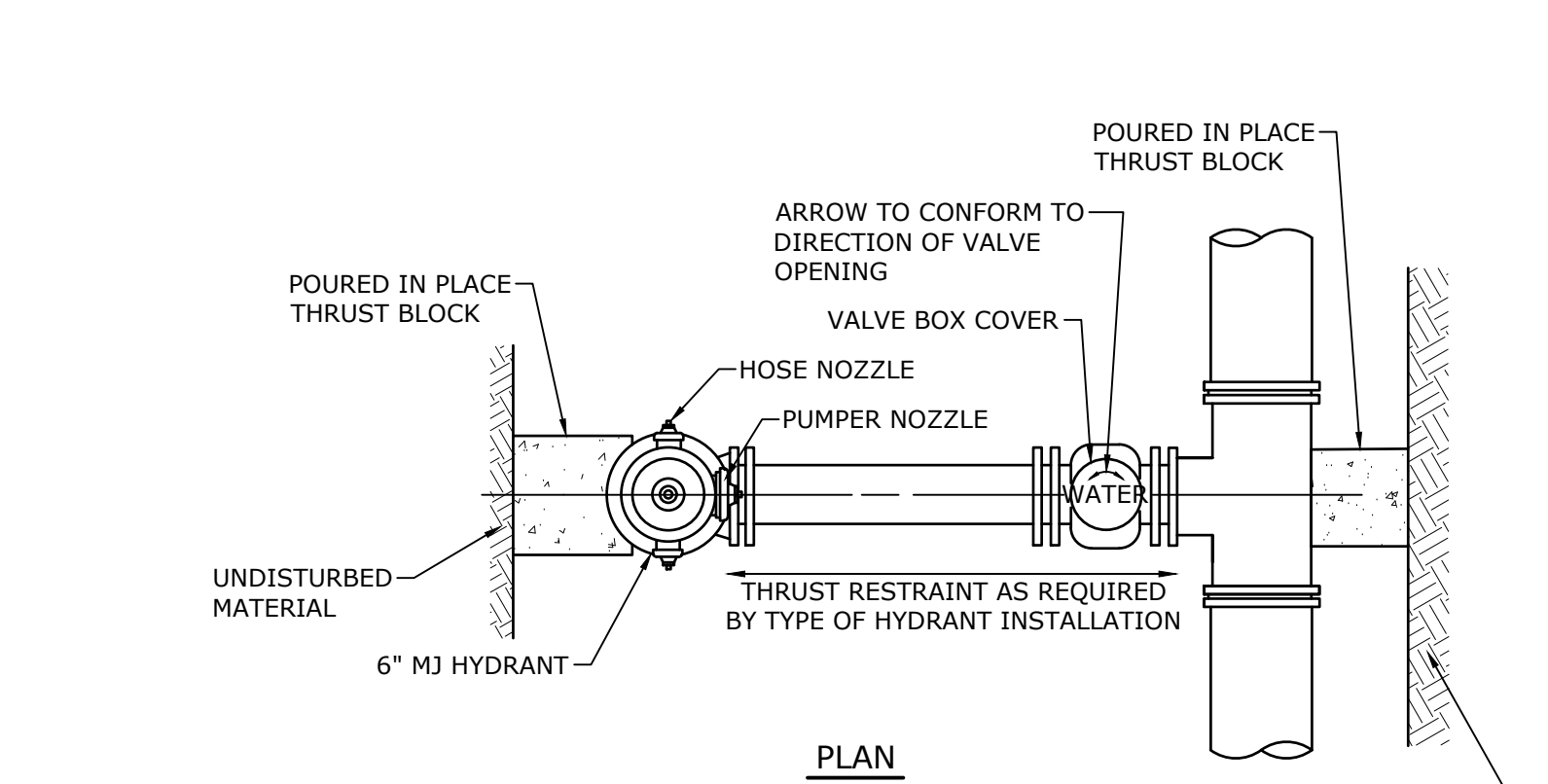
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 VERT. 1" = 10'
 CROSS REFERENCE: NONE

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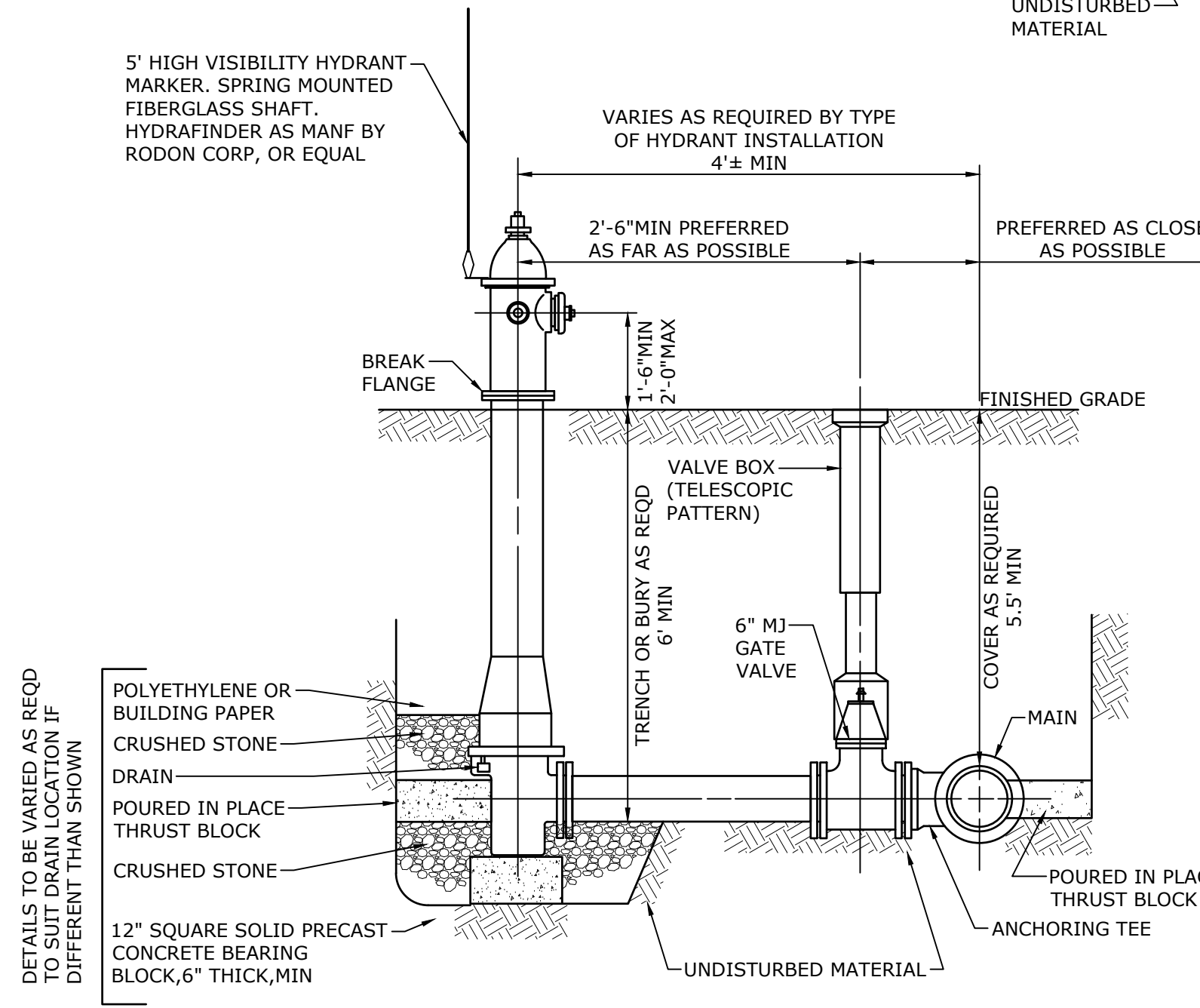


JAMES R. EDWARDS P.E. NO. 068519 	DATE	REVISIONS RECORD/DESCRIPTION	DRAFTER	CHECK	APPR.	UNAUTHORIZED ALTERATION OR ADDITION TO THIS DOCUMENT IS A VIOLATION OF THE NEW YORK STATE EDUCATION LAW. © 2025 C.T. MALE ASSOCIATES DESIGNED: JRE DRAFTED: SMW CHECKED: JRE PROJ. NO : 25.1138 SCALE : AS NOTED DATE : DEC. 2025	PLAN & PROFILE JENKINSVILLE RD CONTRACT 1 WATER DISTRIBUTION SYSTEM TOWN OF QUEENSBURY, WARREN CO. JENKINSVILLE WATER DISTRICT TOWN OF QUEENSBURY WARREN COUNTY, NEW YORK C.T. MALE ASSOCIATES Engineering, Surveying, Architecture, Landscape Architecture & Geology, D.P.C. 50 CENTURY HILL DRIVE, LATHAM, NY 12110 PH: 518.786.7400 GLENS FALLS, NY · JOHNSTOWN, NY · POUGHKEEPSIE, NY · SYRACUSE, NY
	02/24/26	REVISIONS PER NYSDOH COMMENTS	SMW	JRE	JRE		
	03/31/26	ISSUED FOR BID	SMW	JRE	JRE		
	04/17/26	ADDENDUM 1	SMW	JRE	JRE		

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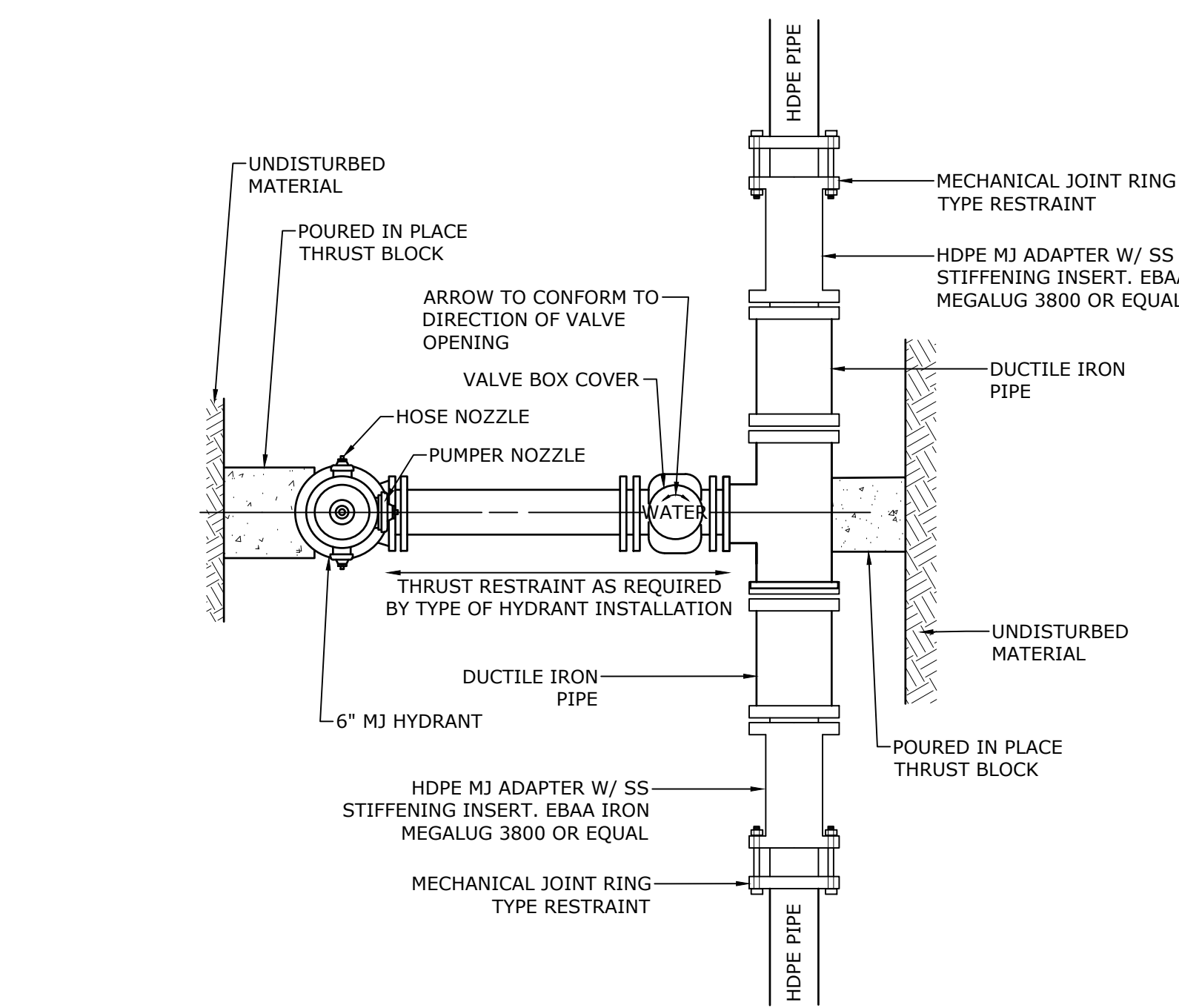


PLAN

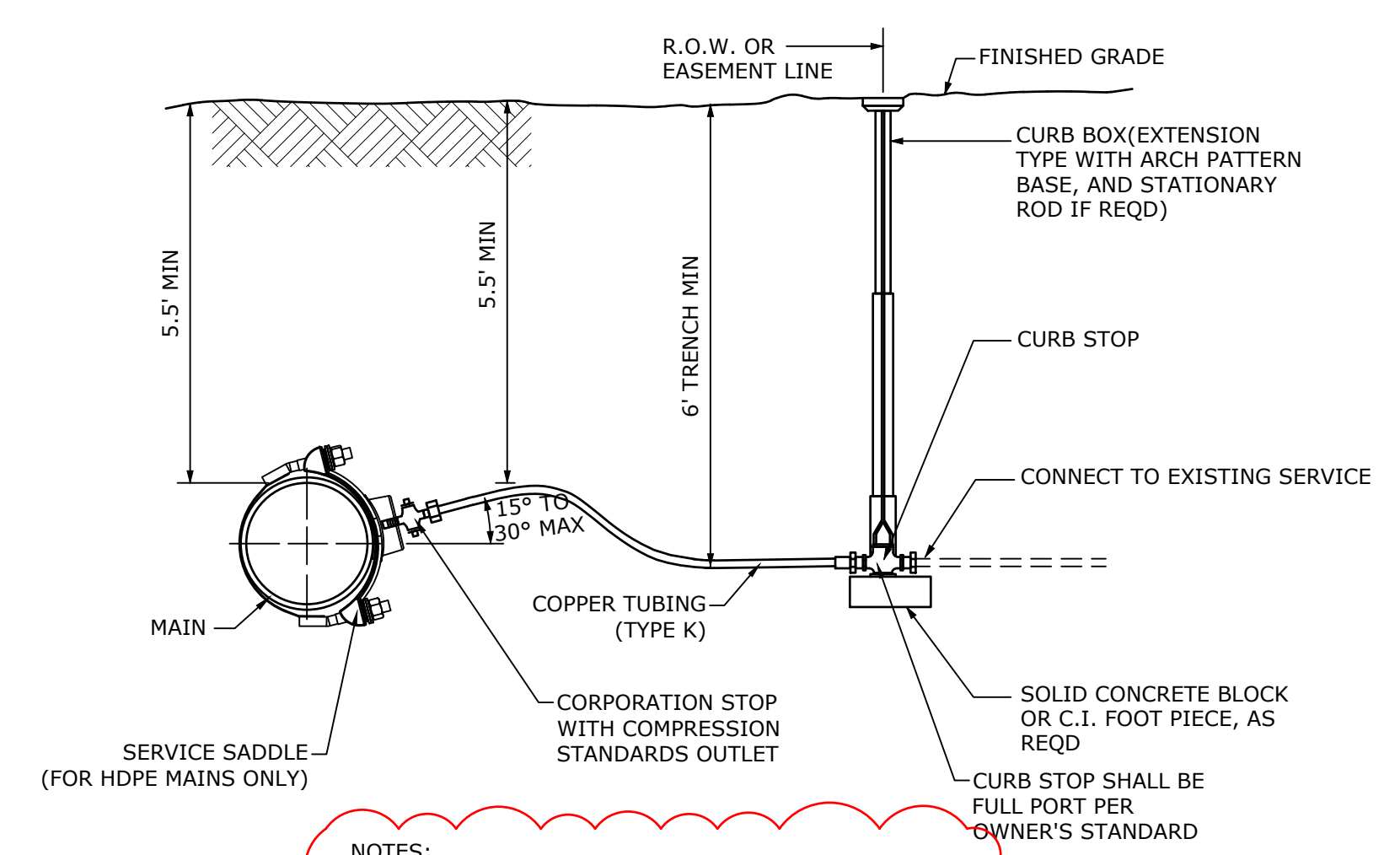


ELEVATION

1 TYPICAL HYDRANT INSTALLATION
SCALE: NONE
CROSS REFERENCE: NONE

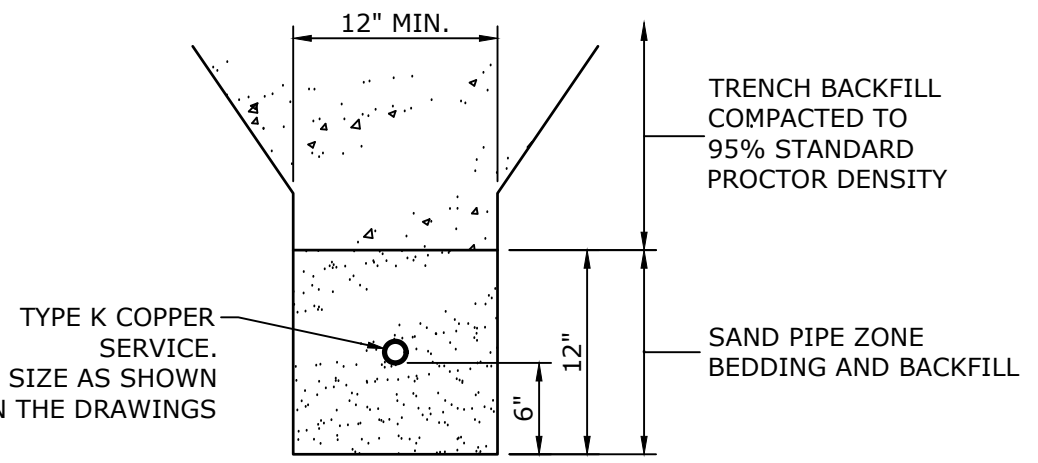


8 TYPICAL HYDRANT INSTALLATION ON HDPE PIPE
SCALE: NONE
CROSS REFERENCE: NONE

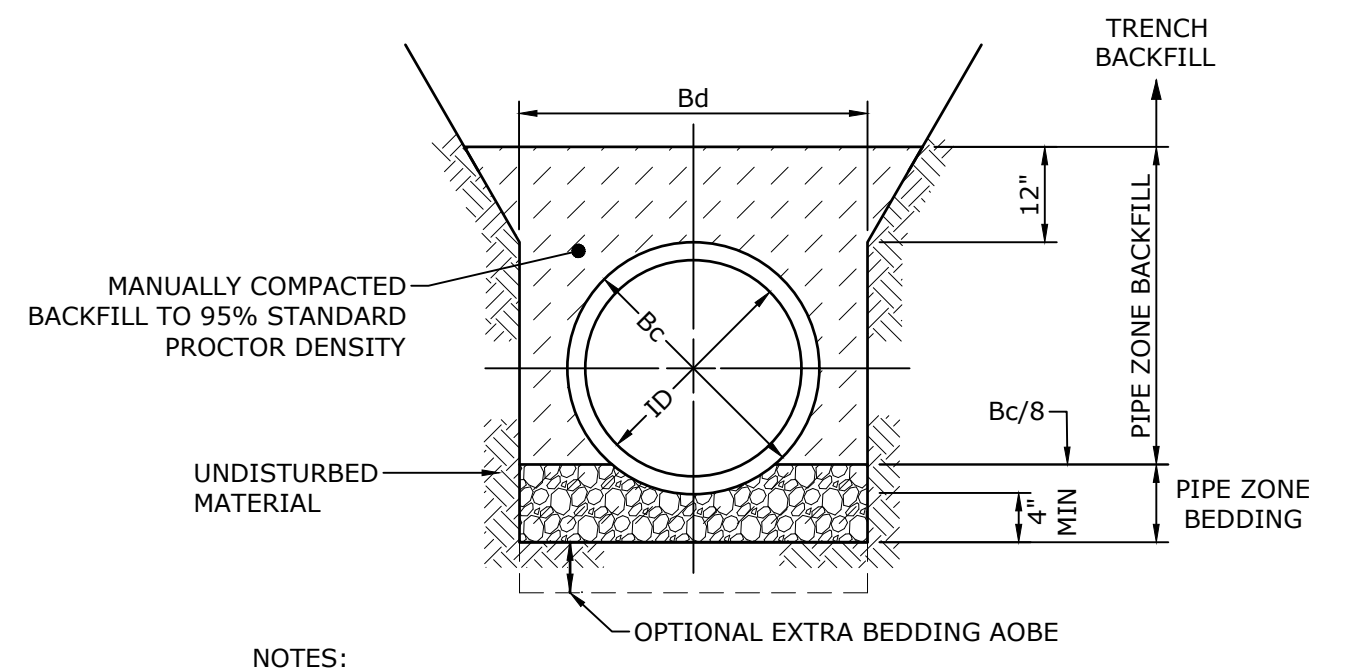


2 COPPER SERVICE PIPE
SCALE: NONE
CROSS REFERENCE: NONE

- 1. NO JOINTS WILL BE ALLOWED ON PIPES UP TO 1" DIA.



5 WATER SERVICE BEDDING DETAIL
SCALE: NONE
CROSS REFERENCE: NONE

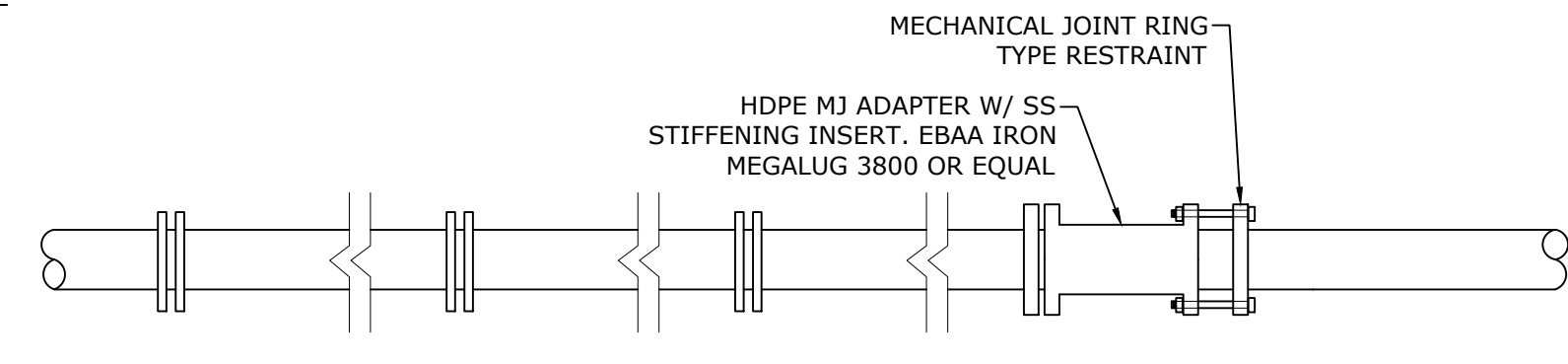


- NOTES:
- UNLESS OTHERWISE NOTED WATER LINES SHALL BE INSTALLED WITH A MIN. OF 5.5' COVER TO TOP OF PIPE FROM FINISHED GRADE.
 - COMPACTED PIPE ZONE BEDDING AND TRENCH BACKFILL TO BE SATISFACTORILY EXCAVATED MATERIAL OR IMPORTED MATERIAL, AS REQUIRED BY THE SPECIFICATIONS.
 - OVEREXCAVATE AT BELLS TO PROVIDE 4" BEDDING BELOW BELLS.
 - PAVEMENT LIMIT FOR ASPHALT PAVEMENT IS 8" AND LAWN AREAS 20" UNLESS OTHERWISE NOTED ON PLANS.

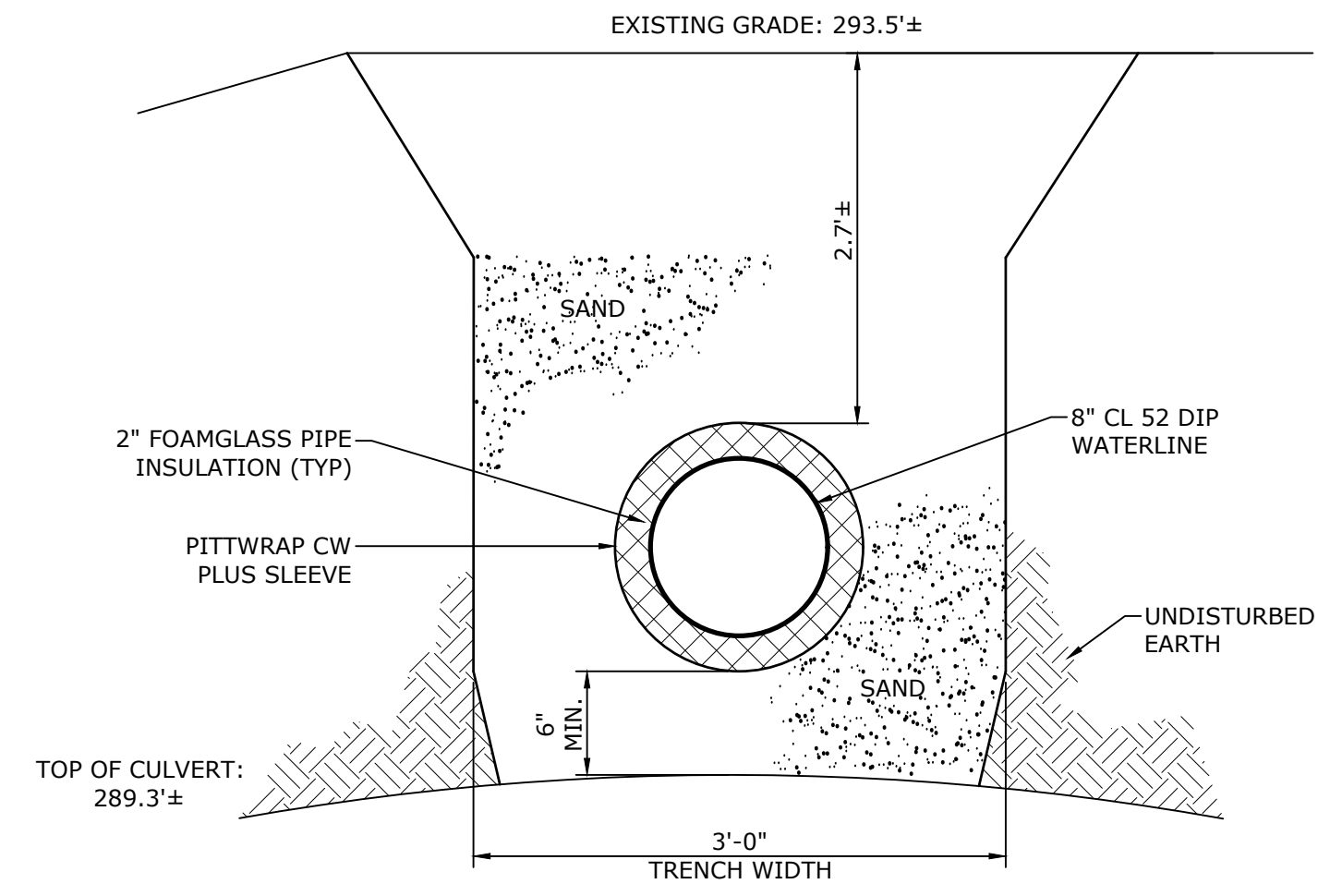
DUCTILE IRON PIPE					
PIPE DIMENSIONS			TRENCH DIMENSIONS		
NOMINAL ID	DISPLACEMENT 1/2 PIPE OD (CY/LF)	BARREL OD (Bc)	BELL OD	Bd	ROCK* EXCAVATION BELOW PIPE(d)
6"	0.005	6.9"	8.75"	30"	6"
8"	0.008	9.1"	11.1"	32"	6"
10"	0.012	11.1"	13.2"	34"	6"
12"	0.018	13.2"	15.3"	36"	6"

*BELOW AND ON EACH SIDE OF ALL PIPE, VALVES & FITTINGS.

3 DIP BEDDING DETAIL
SCALE: NONE
CROSS REFERENCE: NONE

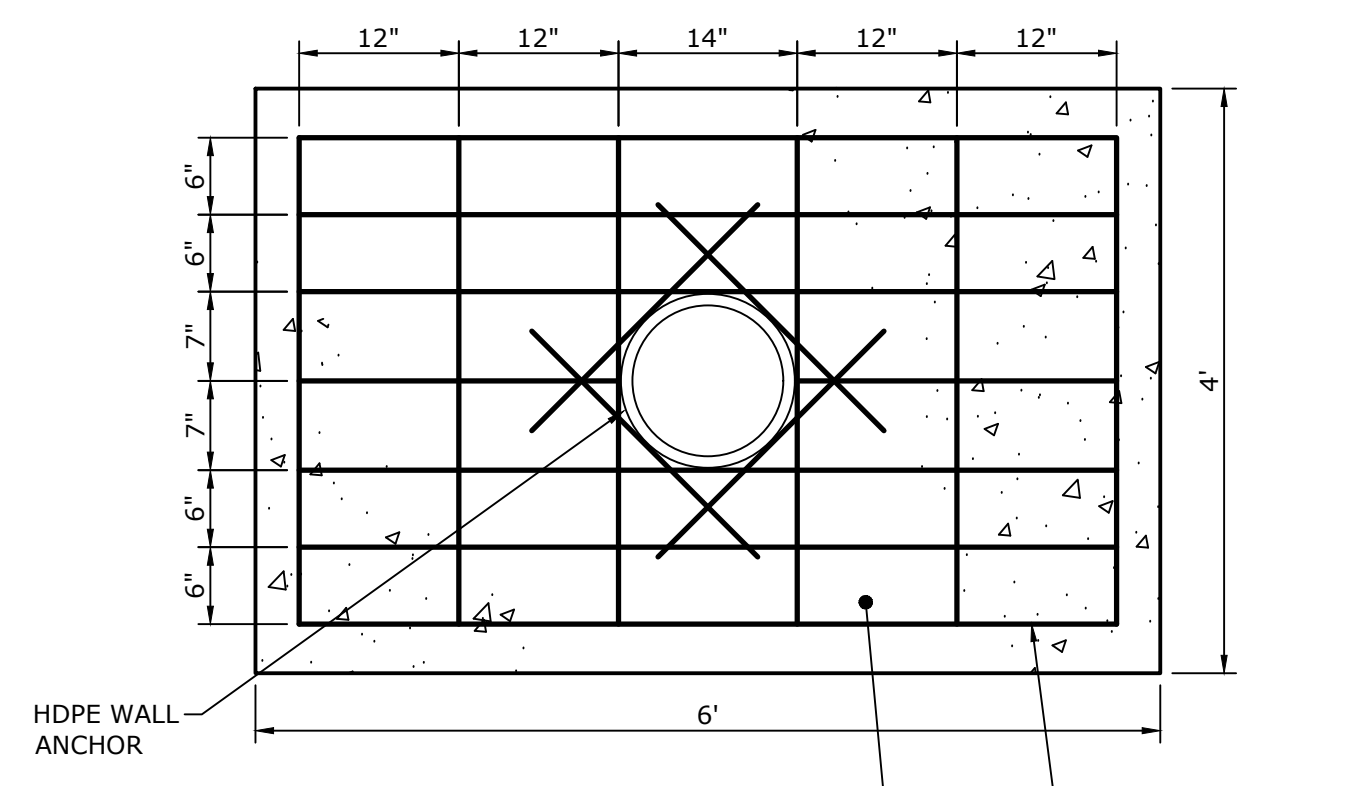


6 DIP TO HDPE TRANSITION
SCALE: NONE
CROSS REFERENCE: NONE

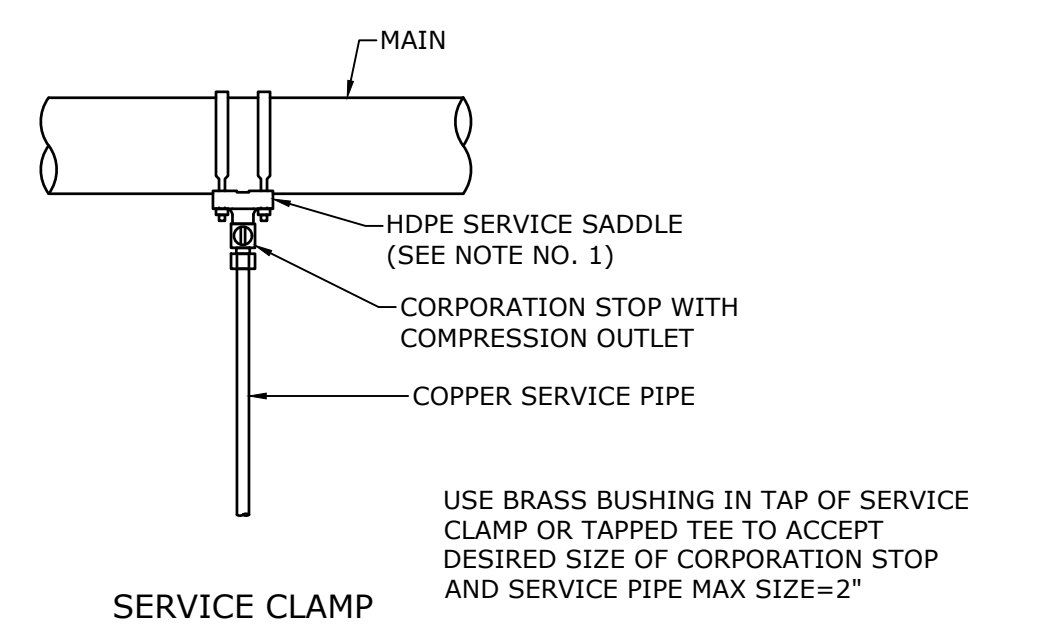


NOTE:
INSULATION AROUND WATERLINE SHALL BE REQUIRED OVER CULVERT FOR A LENGTH OF ATLEAST 3' EITHER SIDE OF CROSSING UNTIL 5.5' OF COVER MAINTAINED.

7 INSULATED WATERLINE AT CULVERT CROSSING
SCALE: NONE
CROSS REFERENCE: NONE



9 CONCRETE COLLAR
SCALE: NONE
CROSS REFERENCE: NONE



SERVICE CLAMP
TABLE-MAXIMUM TAP SIZE

MAIN SIZE-INCHES	3	4	6	8	10	12 & LARGER
MAX TAP SIZE-INCHES	1/2	3/4	1	1 1/4	1 1/2	2

- NOTE:
- SERVICES ON HDPE MAIN (SHEETS C-101 TO C-104) SHALL USE A FUSION WELDED SADDLE. MECHANICAL SADDLES WILL NOT BE EXCEPTED ON HDPE WATER MAIN.

4 TYPICAL COPPER SERVICE PIPE CONNECTIONS
SCALE: NONE
CROSS REFERENCE: NONE

NOTE: THERE SHALL BE NO UNRESTRAINED JOINTS AT THE HYDRANT ASSEMBLY

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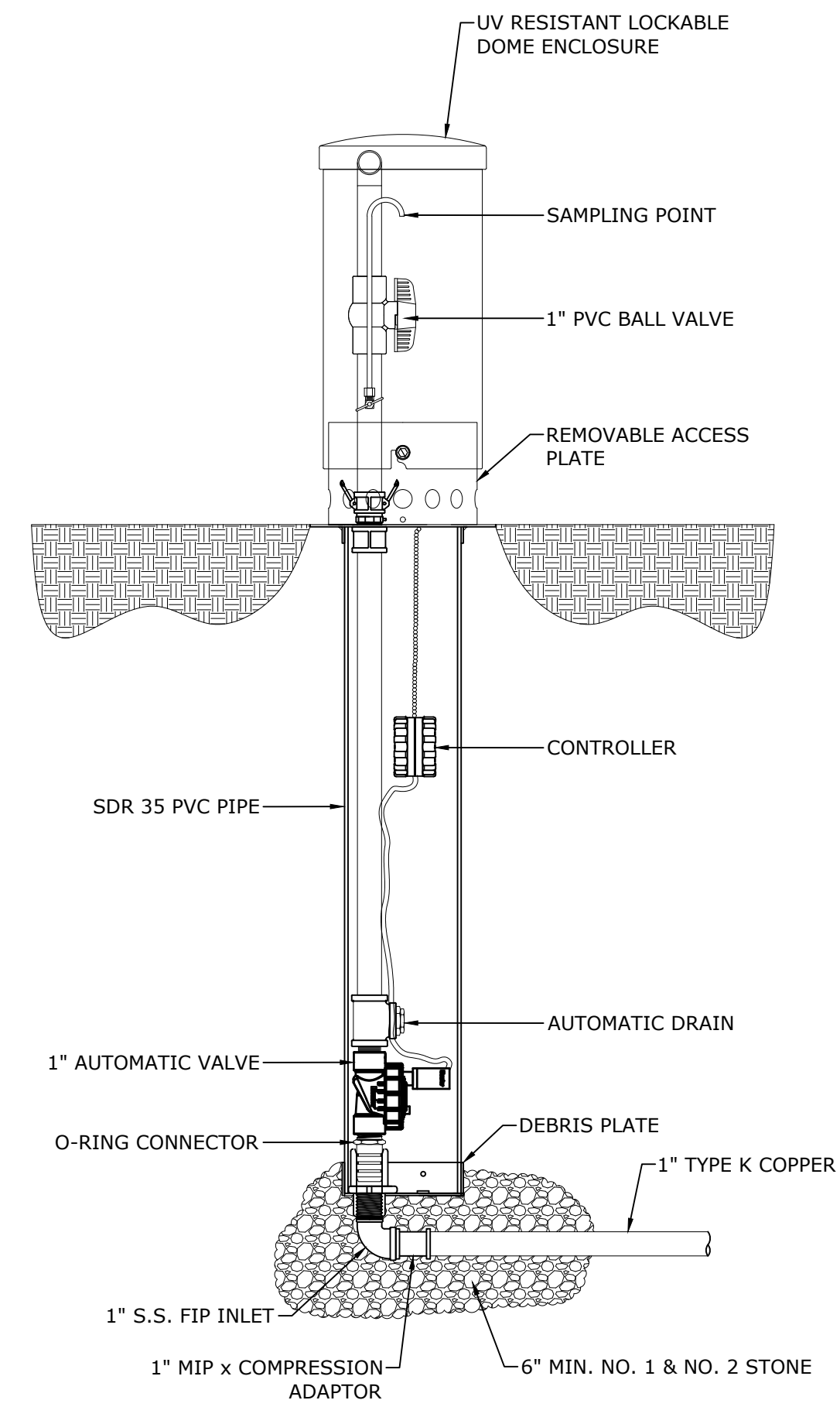
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DETAILS

CONTRACT 1 WATER DISTRIBUTION SYSTEM
TOWN OF QUEENSBURY, WARREN CO. JENKINSVILLE WATER DISTRICT
TOWN OF QUEENSBURY WARREN COUNTY, NEW YORK

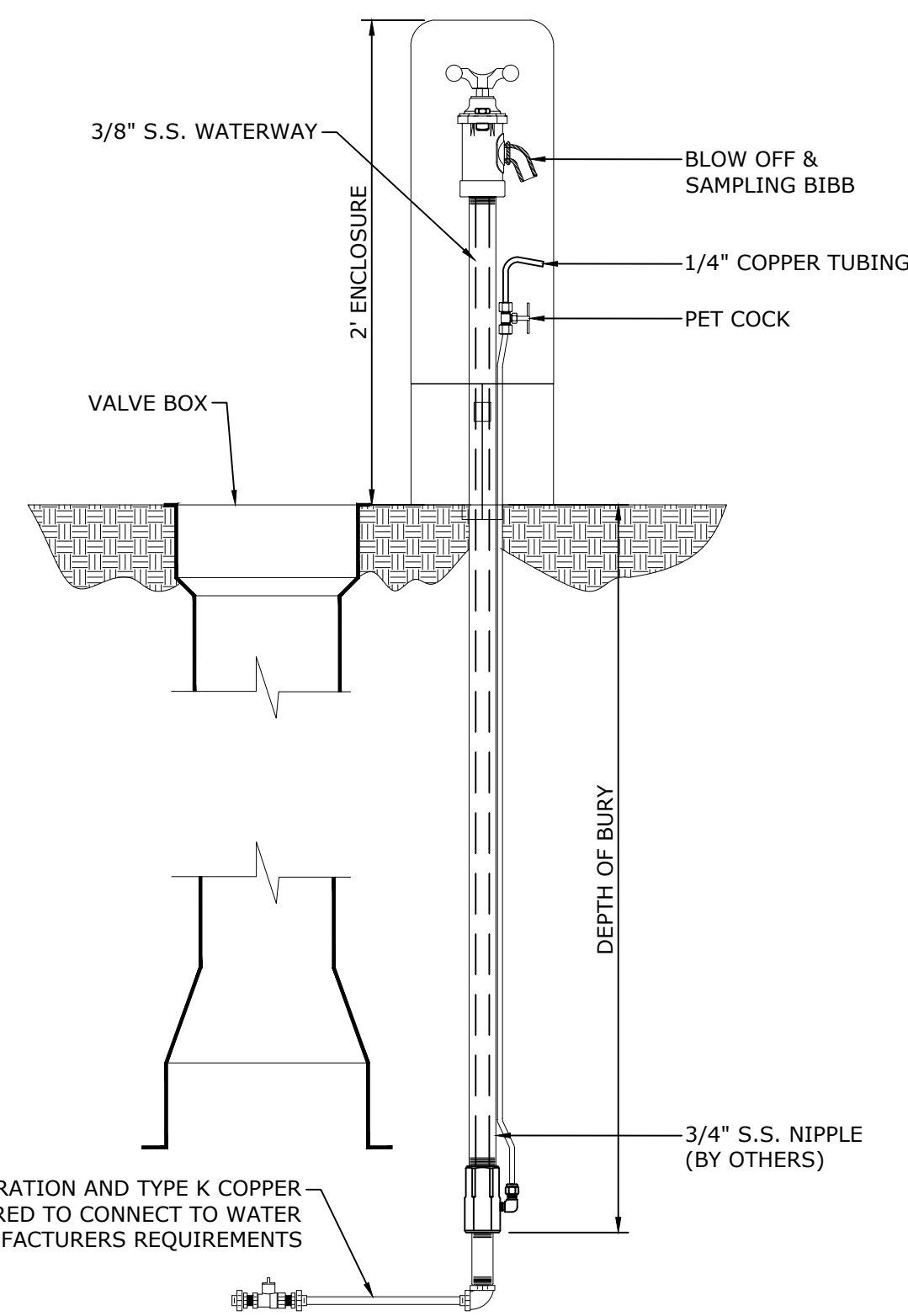
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GLENS FALLS, NY • JOHNSTOWN, NY • POUGHKEEPSIE, NY • SYRACUSE, NY
www.ctmale.com

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NOTE:
 AUTOMATIC FLUSHING DEVICE SHALL HAVE A 1" STAINLESS STEEL MIP INLET, THAT WILL LEAD VERTICALLY TO THE BOTTOM INTO A 1" AUTOMATIC FLUSHING VALVE. AUTOMATIC SOLENOID VALVE SHALL HAVE A 150 PSI RATING. EACH UNIT SHALL BE FURNISHED WITH A STAND-ALONE VALVE CONTROLLER. VALVE CONTROLLER WILL NOT REQUIRE A SECOND HAND-HELD DEVICE FOR PROGRAMMING. CONTROLLER MUST HAVE MINIMUM OF 12 POSSIBLE FLUSHING CYCLES PER DAY. SHALL BE SUBMERSIBLE TO 12 FEET, OPERATE WITH A 9 VOLT BATTERY (COMPARTMENT HOLDS TWO BATTERIES) AND HAVE RESIN-SEATED ELECTRICAL COMPONENTS. SOLENOID SHALL HAVE NO LOOSE PARTS WHEN REMOVED FROM VALVE. REMOVAL OF 1" AUTOMATIC VALVE SHALL BE POSSIBLE VIA AN O-RING CONNECTOR LOCATED UNDER THE VALVE AFTER REMOVAL OF STAINLESS STEEL ACCESS PLATE. VALVE ASSEMBLY SHALL BE CONTAINED WITHIN A UV-RESISTANT LOCKING COVER, AS MANUFACTURED BY KUPFERLE FOUNDRY COMPANY. MODEL #9400A ST. LOUIS, MO. 1-800-231-3990, OR APPROVED EQUAL.

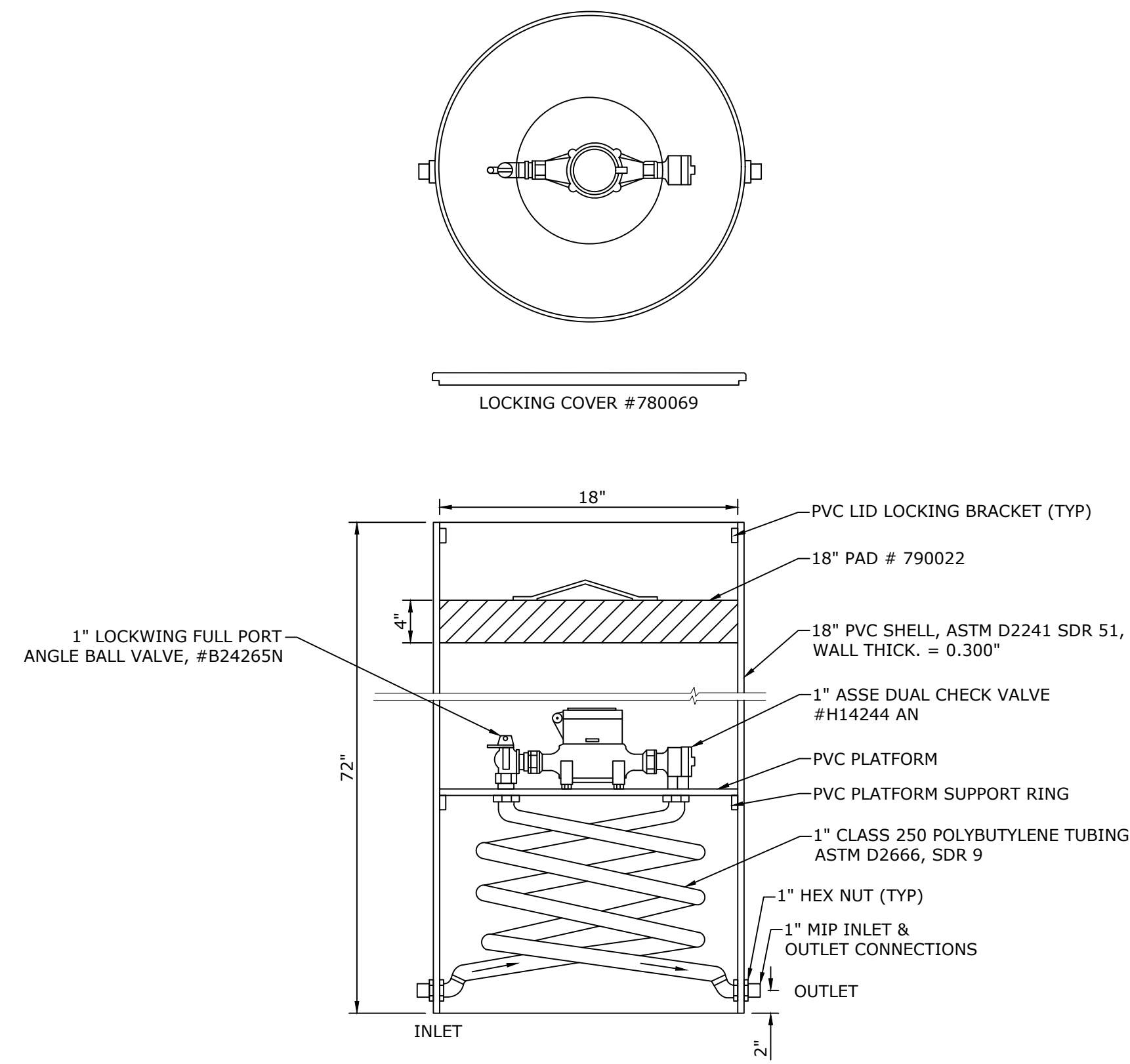
1 AUTOMATIC FLUSHING DEVICE
 SCALE: 1 1/2" = 1'-0"
 CROSS REFERENCE: NONE



NOTES:

- SAMPLING STATION SHALL BE 5' BURY, WITH A 3/4" FIP INLET, AND 1/2" UNTHREADED BLOW OFF AND SAMPLING BIBB.
- STATION SHALL BE ENCLOSED IN A LOCKABLE, NON-REMOVABLE ALUMINUM BOX WITH HINGED OPENINGS.
- WHEN OPEN, THE STATION SHALL REQUIRE NO KEY FOR OPERATION, AND ALL WATER FLOW SHALL PASS THRU AN ALL STAINLESS STEEL WATERWAY.
- ALL WORKING PARTS SHALL BE SERVICABLE FROM ABOVE GROUND WITH NO DIGGING OR REPLACEMENT NEEDED.
- A PET COCK WILL BE LOCATED BELOW THE SAMPLING BIBB TO ALLOW PUMPING OF ANY WATER REMAINING INSIDE THE STATION TO INSURE NON-FREEZING.
- THE STATION SHALL BE MODEL #88 AS MANUFACTURED BY THE KUPFERLE FOUNDRY, ST. LOUIS MO. 63102 OR APPROVED EQUAL.
- IN CORROSIVE SOILS THE BURIED PIPE SHOULD BE PREPPED FOR ADDITIONAL RESISTANCE TO CORROSION. KUPFERLE RECOMMENDS SPRAYING ALL UNDERGROUND PIPING AND FITTINGS WITH BITUMINOUS SPRAY TAR, ALLOWING PROPER TIME TO DRY, AND THEN WRAPPING THE PARTS

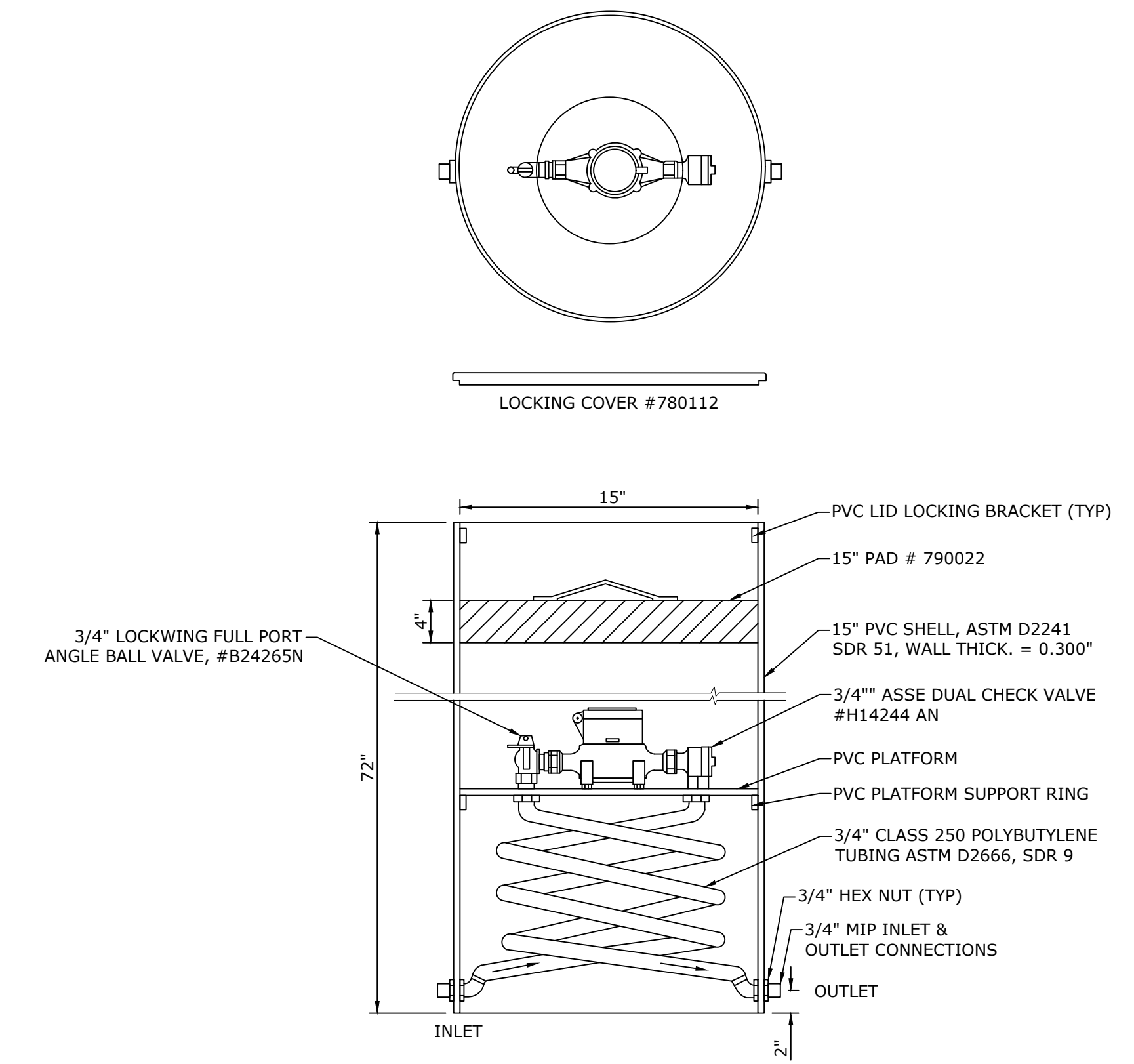
2 SAMPLING STATION
 SCALE: 1 1/2" = 1'-0"
 CROSS REFERENCE: NONE



NOTES:

- METER PIT BY MUELLER OR APPROVED EQUAL.
- FLOW METER SHALL BE FURNISHED AND INSTALLED BY THE OWNER.
- PRESSURE REDUCING VALVES SHALL BE INSTALLED FOR SERVICES IN RIDGE RD, STONEHURST DR AND SUNNYSIDE RD EAST.
- INSTALL A MINIMUM OF 2 LF OF TYPE K COPPER TO CONNECT METER PITS TO CURB STOP.

3 18" SINGLE COIL METER PIT FOR 1" METER
 SCALE: 1 1/2" = 1'-0"
 CROSS REFERENCE: NONE



NOTES:

- METER PIT BY MUELLER OR APPROVED EQUAL.
- FLOW METER SHALL BE FURNISHED AND INSTALLED BY THE OWNER.
- PRESSURE REDUCING VALVES SHALL BE INSTALLED FOR SERVICES IN RIDGE RD, STONEHURST DR AND SUNNYSIDE RD EAST.
- INSTALL A MINIMUM OF 2 LF OF TYPE K COPPER TO CONNECT METER PITS TO CURB STOP.

4 15" SINGLE COIL METER PIT FOR 3/4" METER
 SCALE: 1 1/2" = 1'-0"
 CROSS REFERENCE: NONE

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