

05/08/19 SYSTEMS DGN USERNAME

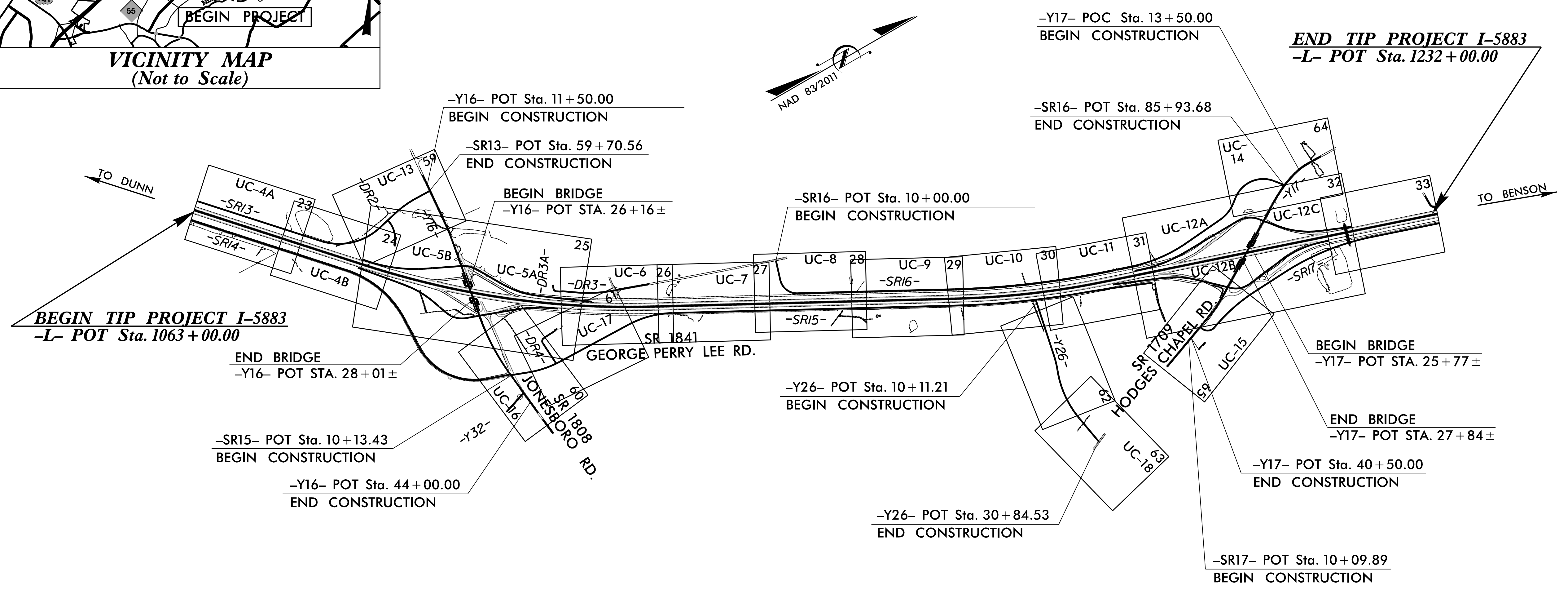
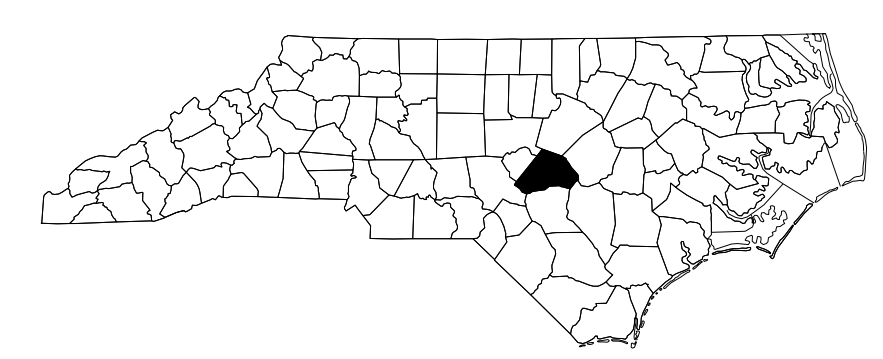
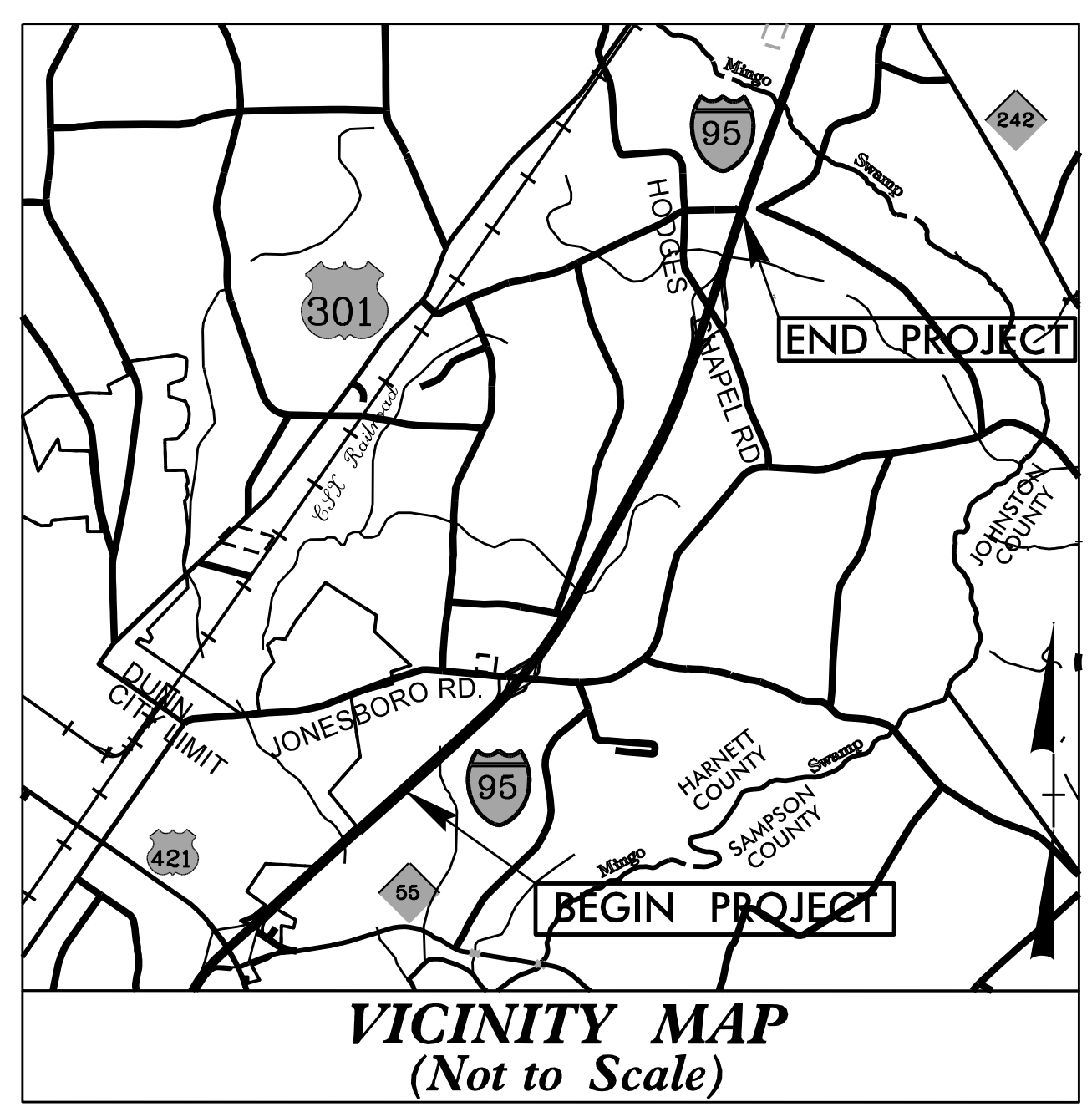
TIP PROJECT: I-5883

STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

T.I.P. NO.	SHEET NO.
I-5883	UC-1

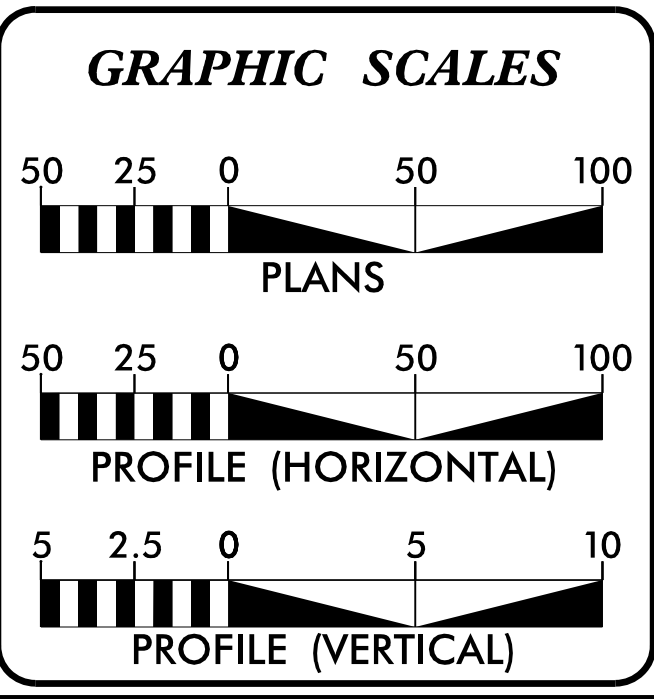
UTILITY CONSTRUCTION PLANS HARNETT COUNTY

LOCATION: IMPROVE I-95 INTERCHANGES AND WIDEN TO EIGHT LANES FROM SR 1808 (JONESBORO ROAD) (EXIT 75) TO SR 1709 (HODGES CHAPEL ROAD) (EXIT 77).
TYPE OF WORK: UTILITY CONSTRUCTION



THIS IS A CONTROLLED-ACCESS PROJECT WITH ACCESS BEING LIMITED TO INTERCHANGES.

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INDEX OF SHEETS

SHEET NO.:	DESCRIPTION:
UC-1	TITLE SHEET
UC-2	UTILITY SYMBOLOGY
UC-3	NOTES
UC-3A THRU UC-3F	DETAILS
UC-4A THRU UC-18	UTILITY CONSTRUCTION SHEETS
UC-19 THRU UC-29	PROFILE SHEETS

WATER AND SEWER OWNERS ON PROJECT

A) WATER - HARNETT REGIONAL WATER
 B) SEWER - CITY OF DUNN
 C) SEWER - SADLER OIL

PREPARED IN THE OFFICE OF:
DAVIS • MARTIN • POWELL
 ENGINEERS & SURVEYORS **dmp**
6415 OLD PLANK RD. HIGH POINT, NC 27265
 PHONE: (336)886-4821 FAX: (336)886-4458
 WWW.DMP-INC.COM LICENSE: F-0245

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SEAL

DIVISION OF HIGHWAYS
DIVISION 6
 PO BOX 1150
 FAYETTEVILLE, NC 28302
 PHONE (910) 364-0600
 FAX (910) 486-1959

Steve Kendall, P.E. NCDOT DIVISION 6 PROJECT DEVELOPMENT ENGINEER
Rick Handlin NCDOT DIVISION 6 UTILITY ENGINEER

STATE OF NORTH CAROLINA DIVISION OF HIGHWAYS

UTILITIES PLAN SHEET SYMBOLS

PROPOSED WATER SYMBOLS

Water Line (Sized as Shown)	
11 1/4 Degree Bend	
22 1/2 Degree Bend	
45 Degree Bend	
90 Degree Bend	
Plug	
Tee	
Cross	
Reducer	
Gate Valve	
Butterfly Valve	
Tapping Valve	
Line Stop	
Line Stop with Bypass	
Blow Off	
Fire Hydrant	
Relocate Fire Hydrant	
Remove Fire Hydrant	
Water Meter	
Relocate Water Meter	
Remove Water Meter	
Water Pump Station	
RPZ Backflow Preventer	
DCV Backflow Preventer	
Relocate RPZ Backflow Preventer	
Relocate DCV Backflow Preventer	

PROPOSED SEWER SYMBOLS

Gravity Sewer Line (Sized as Shown)	
Force Main Sewer Line (Sized as Shown)	
Manhole (Sized per Note)	
Sewer Pump Station	

PROPOSED MISCELLANEOUS UTILITIES SYMBOLS

Power Pole	
Telephone Pole	
Joint Use Pole	
Telephone Pedestal	
Utility Line by Others (Type as Shown)	
Trenchless Installation	
Encasement by Open Cut	
Encasement	

Thrust Block	
Air Release Valve	
Utility Vault	
Concrete Pier	
Steel Pier	
Plan Note	
Pay Item Note	

NOTE
PAY ITEM

EXISTING UTILITIES SYMBOLS

Power Pole	
Telephone Pole	
Joint Use Pole	
Utility Pole	
Utility Pole with Base	
H-Frame Pole	
Power Transmission Line Tower	
Water Manhole	
Power Manhole	
Telephone Manhole	
Sanitary Sewer Manhole	
Hand Hole for Cable	
Power Transformer	
Telephone Pedestal	
CATV Pedestal	
Gas Valve	
Gas Meter	
Located Miscellaneous Utility Object	
Abandoned According to Utility Records	
End of Information	

*Underground Power Line	
*Underground Telephone Cable	
*Underground Telephone Conduit	
*Underground Fiber Optics Telephone Cable	
*Underground TV Cable	
*Underground Fiber Optics TV Cable	
*Underground Gas Pipeline	
Aboveground Gas Pipeline	
*Underground Water Line	
Aboveground Water Line	
*Underground Gravity Sanitary Sewer Line	
Aboveground Gravity Sanitary Sewer Line	
*Underground SS Forced Main Line	
Underground Unknown Utility Line	
SUE Test Hole	
Water Meter	
Water Valve	
Fire Hydrant	
Sanitary Sewer Cleanout	

*For Existing Utilities
Utility Line Drawn from Record (Type as Shown)
Designated Utility Line (Type as Shown)

5/14/99
REV: 2/1/2012

5/14/99

REVISIONS

UTILITY CONSTRUCTION

GENERAL NOTES:

1. THE PROPOSED UTILITY CONSTRUCTION SHALL MEET THE APPLICABLE REQUIREMENTS OF THE NC DEPARTMENT OF TRANSPORTATION'S "STANDARD SPECIFICATIONS FOR ROADS AND STRUCTURES" DATED JANUARY 2018.
2. THE EXISTING UTILITIES BELONG TO EITHER THE CITY OF DUNN, SADLER OIL, OR HARNETT REGIONAL WATER (HRW). THE SEWER FORCE MAIN ON SHEET UC-4B BELONGS TO DUNN, AND THE SEWER FORCE MAIN ON SHEETS UC-5B AND UC-13 BELONGS TO SADLER OIL. ALL WATER LINES BELONG TO HRW.
3. ALL WATER LINES TO BE INSTALLED WITHIN COMPLIANCE OF THE RULES AND REGULATIONS OF THE NORTH CAROLINA DEPARTMENT OF ENVIRONMENTAL QUALITY, DIVISION OF WATER RESOURCES, PUBLIC WATER SUPPLY SECTION. ALL SEWER LINES TO BE INSTALLED WITHIN COMPLIANCE OF THE RULES AND REGULATIONS OF THE NORTH CAROLINA DEPARTMENT OF ENVIRONMENT QUALITY, DIVISION OF WATER RESOURCES, WATER QUALITY SECTION. PERFORM ALL WORK IN ACCORDANCE WITH THE APPLICABLE PLUMBING CODES.
4. THE UTILITY OWNERS OWN THE EXISTING UTILITY FACILITIES AND WILL OWN THE NEW UTILITY FACILITIES AFTER ACCEPTANCE BY THE DEPARTMENT. THE DEPARTMENT OWNS THE CONSTRUCTION CONTRACT AND HAS ADMINISTRATIVE AUTHORITY. COMMUNICATIONS AND DECISIONS BETWEEN THE CONTRACTOR AND UTILITY OWNERS ARE NOT BINDING UPON THE DEPARTMENT OR THIS CONTRACT UNLESS AUTHORIZED BY THE ENGINEER. AGREEMENTS BETWEEN THE UTILITY OWNERS AND CONTRACTOR FOR THE WORK THAT IS NOT PART OF THIS CONTRACT OR IS SECONDARY TO THIS CONTRACT ARE ALLOWED, BUT ARE NOT BINDING UPON THE DEPARTMENT.
5. PROVIDE ACCESS FOR THE DEPARTMENT PERSONNEL AND THE OWNERS' REPRESENTATIVES TO ALL PHASES OF CONSTRUCTION. NOTIFY DEPARTMENT PERSONNEL AND THE UTILITY OWNERS TWO WEEKS PRIOR TO COMMENCEMENT OF ANY WORK AND ONE WEEK PRIOR TO SERVICE INTERRUPTION. KEEP UTILITY OWNERS' REPRESENTATIVES INFORMED OF WORK PROGRESS AND PROVIDE OPPORTUNITY FOR INSPECTION OF CONSTRUCTION AND TESTING.

6. THE PLANS DEPICT THE BEST AVAILABLE INFORMATION FOR THE LOCATION, SIZE, AND TYPE OF MATERIAL FOR ALL EXISTING UTILITIES. MAKE INVESTIGATIONS FOR DETERMINING THE EXACT LOCATION, SIZE, AND TYPE MATERIAL OF THE EXISTING FACILITIES AS NECESSARY FOR THE CONSTRUCTION OF THE PROPOSED UTILITIES AND FOR AVOIDING DAMAGE TO EXISTING FACILITIES. REPAIR ANY DAMAGE INCURRED TO EXISTING FACILITIES TO THE ORIGINAL OR BETTER CONDITION AT NO ADDITIONAL COST TO THE DEPARTMENT.
7. MAKE FINAL CONNECTIONS OF THE NEW WORK TO THE EXISTING SYSTEM WHERE INDICATED ON THE PLANS, AS REQUIRED TO FIT THE ACTUAL CONDITIONS, OR AS DIRECTED.
8. MAKE CONNECTIONS BETWEEN EXISTING AND PROPOSED UTILITIES AT TIMES MOST CONVENIENT TO THE PUBLIC, WITHOUT ENDANGERING THE UTILITY SERVICE, AND IN ACCORDANCE WITH THE UTILITY OWNER'S REQUIREMENTS. MAKE CONNECTIONS ON WEEKENDS, AT NIGHT, AND ON HOLIDAYS IF NECESSARY. LINE STOPS AND INSERT VAVLES WILL BE REQUIRED WHERE INDICATED ON THE PLANS, WHERE THE UTILITY OWNER CANNOT ISOLATE THE EXISTING LINES WITHOUT MAJOR DISRUPTION OF SERVICE TO MANY USERS.
9. ALL UTILITY MATERIALS SHALL BE APPROVED BY HRW OR THE CITY OF DUNN AND THE NCDOT PRIOR TO DELIVERY TO THE PROJECT. SEE 1500-7, " SUBMITTALS AND RECORDS" IN SECTION 1500 OF THE STANDARD SPECIFICATIONS.

PROJECT SPECIFIC NOTES:

1. UNLESS OTHERWISE NOTED, FOR PROPOSED WATER MAINS AND SEWER MAINS 4" THRU 12" DIAMETER, PIPE SHALL BE PVC C900, DR 18, FUSIBLE PVC C900, DR18, DUCTILE IRON, PC 350, OR RESTRAINED JOINT WHERE INDICATED ON PROFILES. SEWER FORCE MAINS SMALLER THAN 4" SHALL BE SDR 21. HRW DOES NOT APPROVE EBAA IRON "MEGALUG" TYPE RESTRAINED RETAINER GLANDS. HRW PREFERENCES ROMAC "GRIP RINGS" OR APPROVED EQUAL. WATER SERVICE LINES LESS THAN 2" SHALL BE PE, SDR 9. WATER SERVICE LINES 2" OR GREATER SHALL BE SDR 21.
2. FUSIBLE PVC SHALL BE EXTRUDED WITH LAIN ENDS. THE ENDS SHALL BE SQUARE TO THE PIPE AND FREE OF ANY BEVEL OR CHAMFER. THERE WILL BE NO BELL OR GASKET OF ANY KIND INCORPORATED INTO THE PIPE. THE PIPE SHALL BE MANUFACTURED IN STANDARD 40' NOMINAL LENGTHS OR CUSTOM LENGTHS AS SPECIFIED, AND SHALL BE COLORED BLUE FOR WATER. FUSIBLE PVC SHALL BE BUTT-FUSED BY QUALIFIED, CERTIFIED, AND LICENSED TECHNICIANS. A DATA LOGGER SHALL BE AFFIXED TO THE FUSION MACHINE AND ALL PRESSURE/TIME DATA COLLECTED FOR USE BY THE ENGINEER. THE FUSIBLE PVC WILL BE INSTALLED IN A MANNER SO AS TO NOT EXCEED THE RECOMMENDED BENDING RADIUS AS SHOWN ON THE PLANS, AND THE RECOMMENDED SAFE PULLING FORCE ESTABLISHED BY THE PIPE MANUFACTURER SHALL NOT BE EXCEEDED. CONNECTIONS TO OTHER MATERIALS SHALL BE AS SHOWN ON THE PLANS. PVC PIPE ENDS SHALL NOT BE BENT INTO POSITION WITH HEAVY EQUIPMENT BUT INSTEAD SHALL BE ACCOMPLISHED WITH FUSIBLE FITTINGS.
3. DUCTILE IRON PIPE WITH FLUOROELASTOMER OR NITRILE GASKETS AND POLYWRAP SHALL BE INSTALLED IN ALL AREAS WITH HAZARDOUS SOILS AS SHOWN ON THE PLAN PROFILES. ALL UNSUITABLE SOILS SHALL BE REMOVED AND DISPOSED OF.
4. DIP AND FITTINGS ON SEWER FORCE MAIN SHALL BE INTERIOR LINED WITH CERAMIC EPOXY LINING.
5. WATER LINE VALVES SHALL BE RESILIENT-SEAT GATE VALVES CONFORMING TO ANSI/AWWA C509, RATED FOR 200 PSI MINIMUM WORKING PRESSURE. HRW VALVES SHALL BE MUELLER, FLOW CONTROL, WATEROUS, M&H, KENNEDY, OR APPROVED EQUAL.
6. FIRE HYDRANTS SHALL MEET NCDOT STANDARD SPECS. HRW SHALL BE MUELLER A-423, AMERICAN DARLING MARK B-84-B, WATEROUS PACER B-67-250, OR APPROVED EQUAL.

7. CONTRACTOR'S ATTENTION IS DIRECTED TO SECTIONS 102, 107, AND 1550 OF THE STANDARD SPECIFICATIONS CONCERNING TRENCHLESS INSTALLATION. IT IS CONTRACTOR'S RESPONSIBILITY TO HAVE BORE DESIGNED AND SEALED BY A LICENSED NORTH CAROLINA PROFESSIONAL ENGINEER. NO DAMAGE IS ALLOWED TO RIVER, WETLANDS, OR BUFFER ZONES.
8. CONTRACTOR SHALL COORDINATE WITH THE RESPECTIVE UTILITY OWNER CONCERNING THE TIMING AND SCHEDULE OF REQUIRED SHUT-DOWNS OF ANY EXISTING WATER OR SEWER MAINS. THE CONTRACTOR MAY HAVE TO PROVIDE TEMPORARY WATER SERVICE TO CUSTOMERS WHEN EXISTING WATER MAINS HAVE TO BE SHUT DOWN FOR AN EXTENDED PERIOD OF TIME.
9. ALL ITEMS ON THIS SHEET SHALL BE INCIDENTAL TO THE VARIOUS PAY ITEMS.

PROJECT REFERENCE NO.	SHEET NO.
I-5883	UC-3
DESIGNED BY: DMP	
DRAWN BY: DMP	
CHECKED BY: DMP	
APPROVED BY:	
REVISED:	
NORTH CAROLINA DEPARTMENT OF TRANSPORTATION	UTILITY CONSTRUCTION PLANS ONLY
UTILITIES ENGINEERING SEC. PHONE: (919) 707-6690 FAX: (919) 250-4151	

UTILITY CONSTRUCTION

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

LIST OF STANDARD DRAWINGS

- 1515.01 WATER METER
- 1515.02 FIRE HYDRANT
- 1520.01 SEWER CLEAN OUT
- 1525.06 PRECAST CONCRETE SANITARY SEWER MANHOLE WITH CAST-IN-PLACE BOTTOM

5/14/99

PROJECT TYPICAL DETAILS

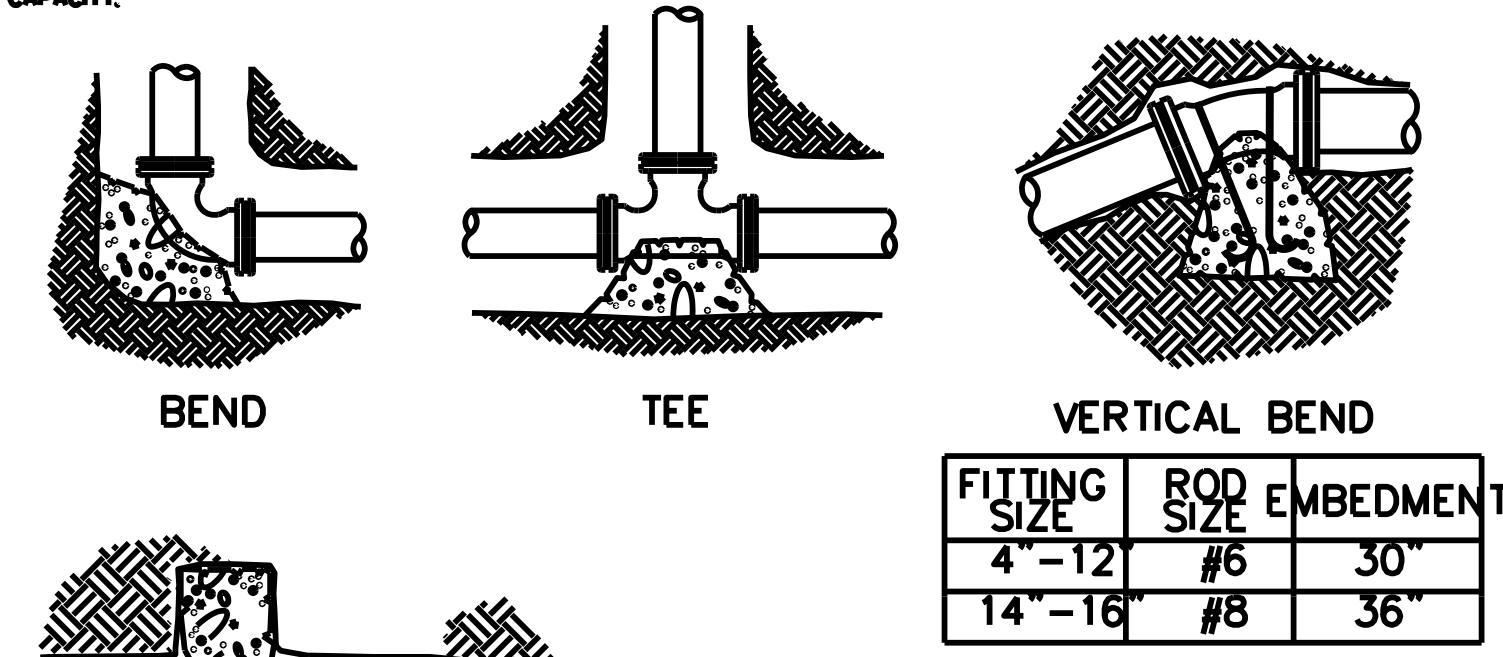
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I-5883	UC-3A
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FITTING SIZE	(HORIZONTAL) BEARING AREA OF THRUST BLOCKS IN SQ. FT.					VOLUME OF THRUST BLOCK IN CU. YDS. (VERTICAL)			
	TEE	90° BEND	45° BEND	22 1/2° BEND	11 1/4° BEND	FITTING SIZE	BEND ANGLE		
							45°	22.5°	11.25°
4	1.3	1.8	1.0	1.0	1.0	4	1.1	0.4	0.2
6	2.8	4.0	2.2	1.1	1.0	6	2.7	1.0	0.4
8	5.0	7.1	3.8	2.0	1.0	8	4.0	1.5	0.6
12	11.3	16.0	8.7	4.4	2.2	12	8.5	3.2	1.3
16	20.1	28.4	15.4	7.8	3.9	16	14.8	5.6	2.3
20	31.1	44.4	24.0	12.3	6.2				
24	45.2	64.0	34.6	17.7	8.9				

VALUES BASED ON 200 PSI WATER PRESSURE AND 2000 PSF SOL. BEARING CAPACITY.

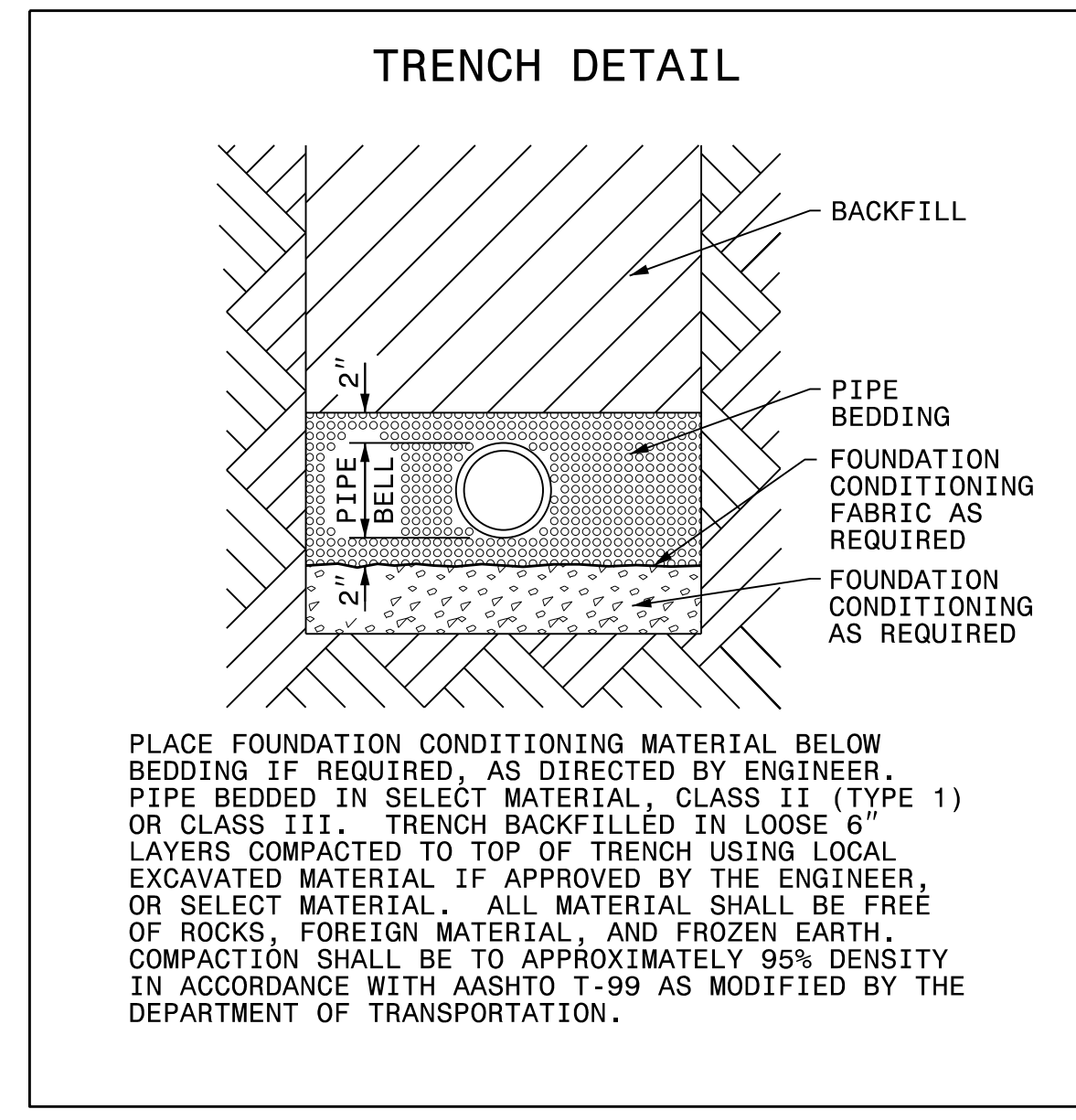


- NOTES:
- 1) CONCRETE BLOCKING TO BE POURED AGAINST UNDISTURBED EARTH
 - 2) ALL CONCRETE TO BE CLASS 3000
 - 3) INSTALL 12 MIL TOTAL THICKNESS POLYETHENE SHEET AROUND FITTING. SECURE SHEET ENDS TO PREVENT INFILTRATION OF DIRT BETWEEN SHEET AND PIPE FITTING PRIOR TO POURING THRUST BLOCKING
 - 4) PROTECT MECHANICAL JOINT FOLLOWERS AND BOLTS FROM CONCRETE WITH TEMPORARY FORMS AND POLYETHENE SHEETING SEE NOTE No. 3

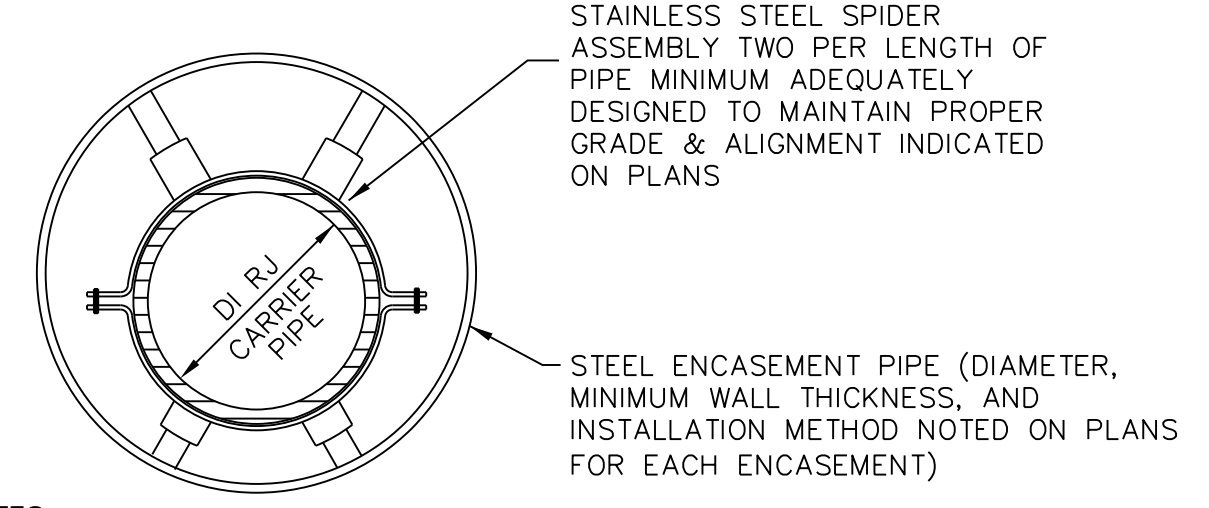
STRADDLE BLOCK SEE DETAIL No. 200

THRUST BLOCKING DETAILS

N.T.S.



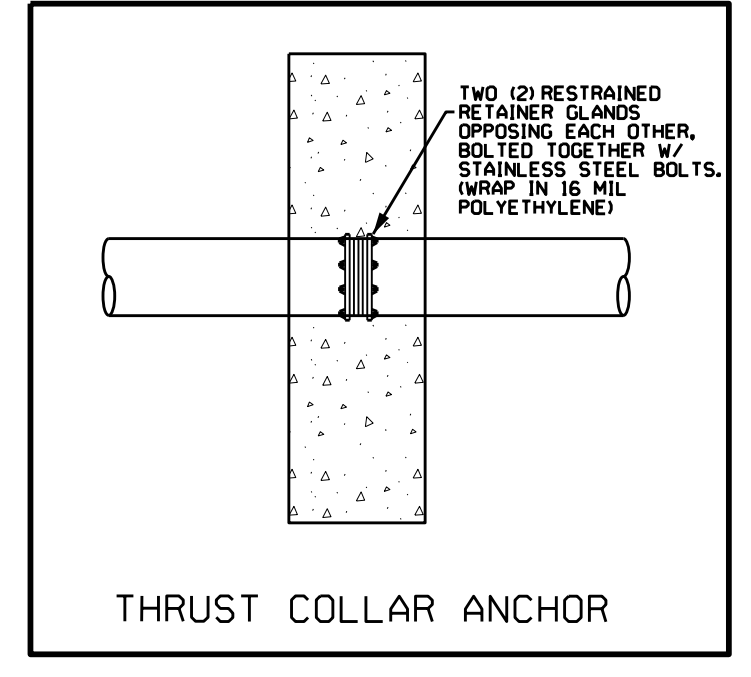
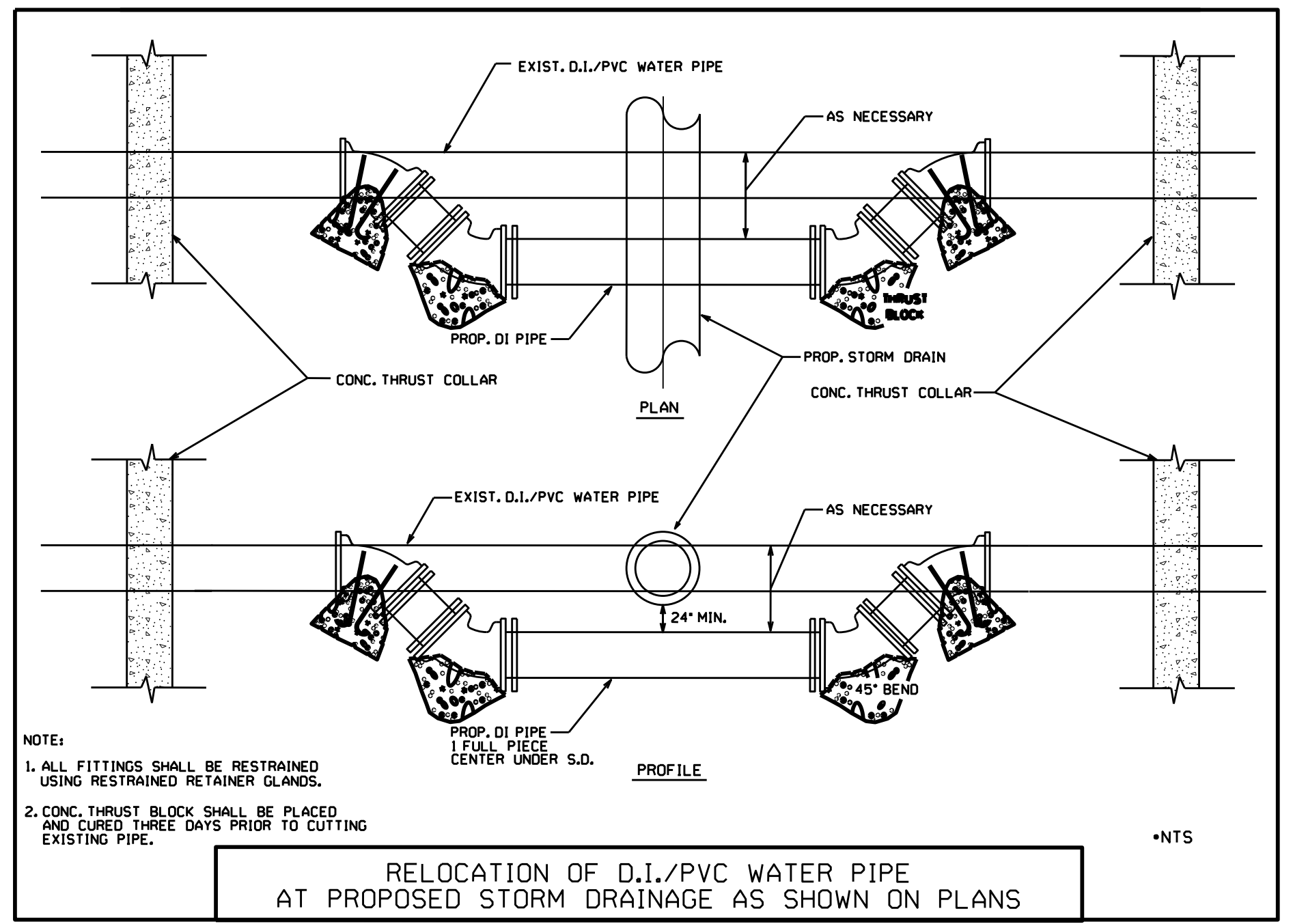
MAXIMUM TRENCH WIDTH AT TOP OF PIPE			
NOMINAL PIPE SIZE (INCHES)	TRENCH WIDTH (INCHES)	NOMINAL PIPE SIZE (INCHES)	TRENCH WIDTH (INCHES)
4	28	20	44
6	30	24	48
8	32	30	54
10	34	36	60
12	36	42	66
14	38	48	72
16	40	54	78
18	42		



- NOTES:
1. ENCLOSE ENDS WITH BRICK MASONRY.
 2. PROVIDE 1" WEEP HOLE AT LOW END OF ENCASUREMENT.
 3. DO NOT FILL ENCASEMENTS SMALLER THAN 24". FOR ENCASEMENTS 24" AND LARGER, FILL ONLY WITH CLASS III, IV, OR V SELECT MATERIALS.

TYPICAL ENCASUREMENT PIPE SECTION

N.T.S.



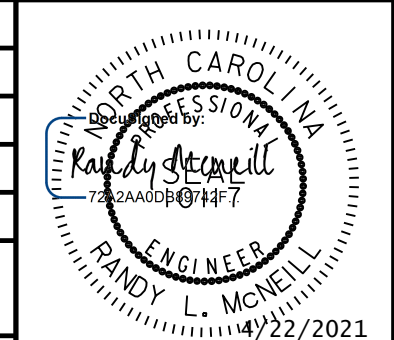
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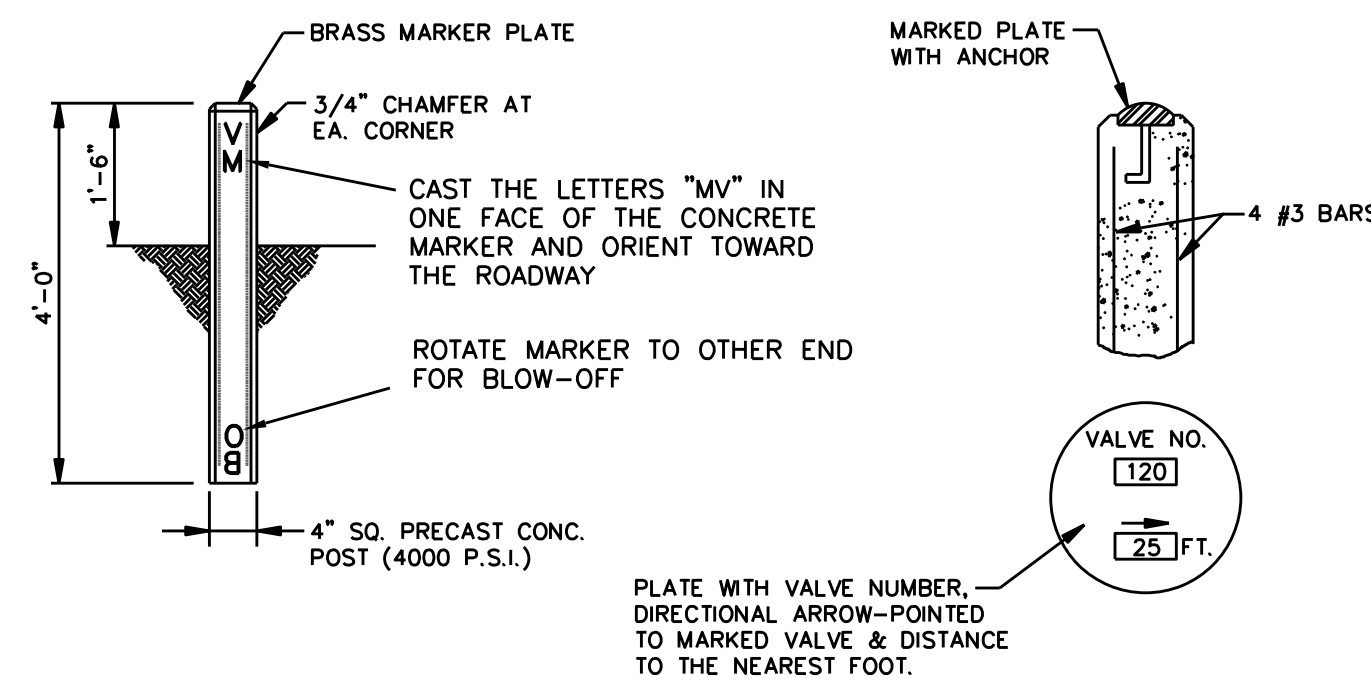
PROJECT TYPICAL DETAILS

DETAILS ON THIS SHEET ARE FOR
HARNETT REGIONAL WATER

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I-5883	UC-3B
DESIGNED BY: DMP	
DRAWN BY: DMP	
CHECKED BY: DMP	
APPROVED BY:	
REVISED:	
NORTH CAROLINA DEPARTMENT OF TRANSPORTATION	
UTILITIES ENGINEERING SEC. PHONE: (919) 707-6690 FAX: (919) 250-4151	
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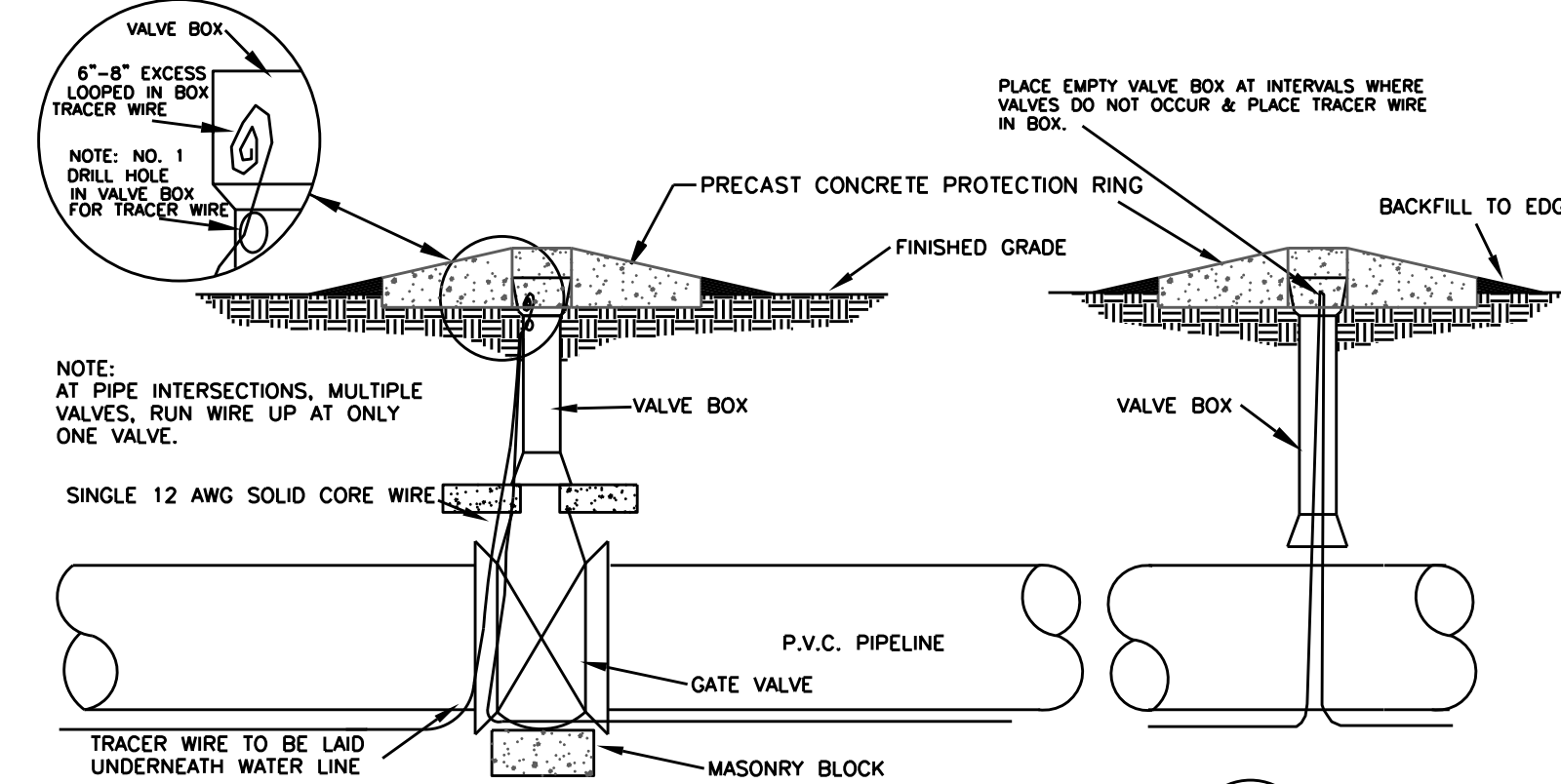
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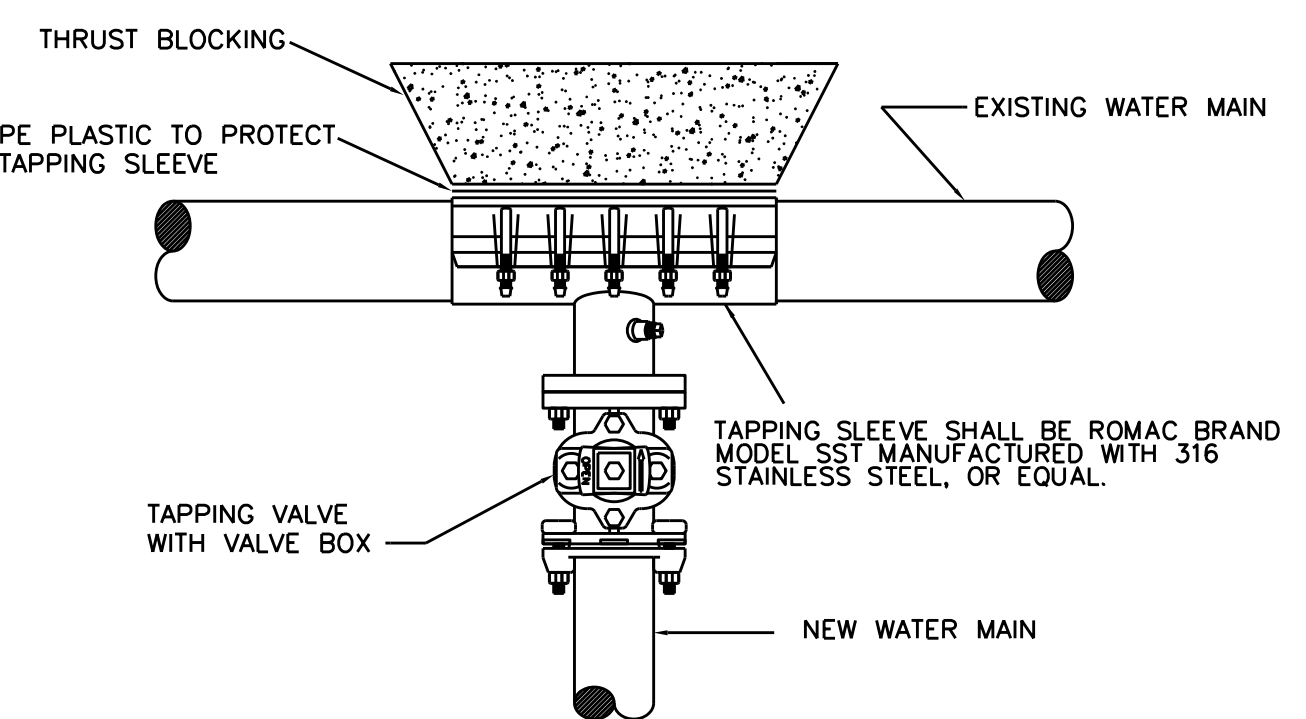
TYPICAL VALVE MARKER DETAIL (W 1)
NO SCALE

NOTES:
PAINT MARKER BLUE AFTER INSTALLATION

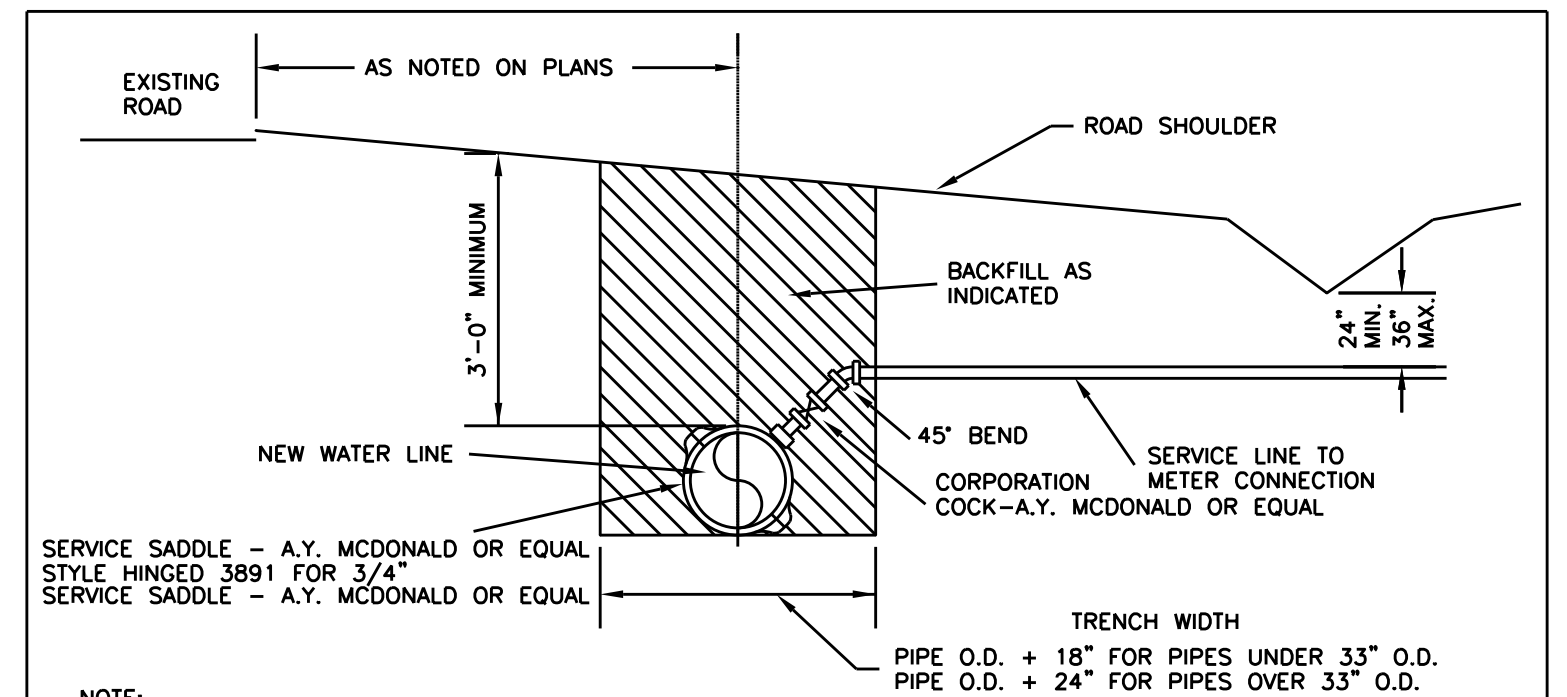


TYPICAL TRACER WIRE INSTALLATION DETAIL (W 3)
NO SCALE

NOTES:
1. DRILL HOLE IN VALVE BOX TO INSERT TRACER WIRE, BRING UP TO INSIDE AND ROLL UP AT LEAST 6"-8" EXCESS
2. PLACE TRACER WIRE IN VALVE BOX AT 1,000" INTERVALS OR AS NOTED ON THE PLANS, TYPICAL.
3. DO NOT SPLICE WIRE WHEN BEGINNING A NEW SPOOL. INSTEAD INSTALL A VALVE BOX AND ATTACH EACH WIRE WITH A BRASS SCREW TO THE VALVE BOX.

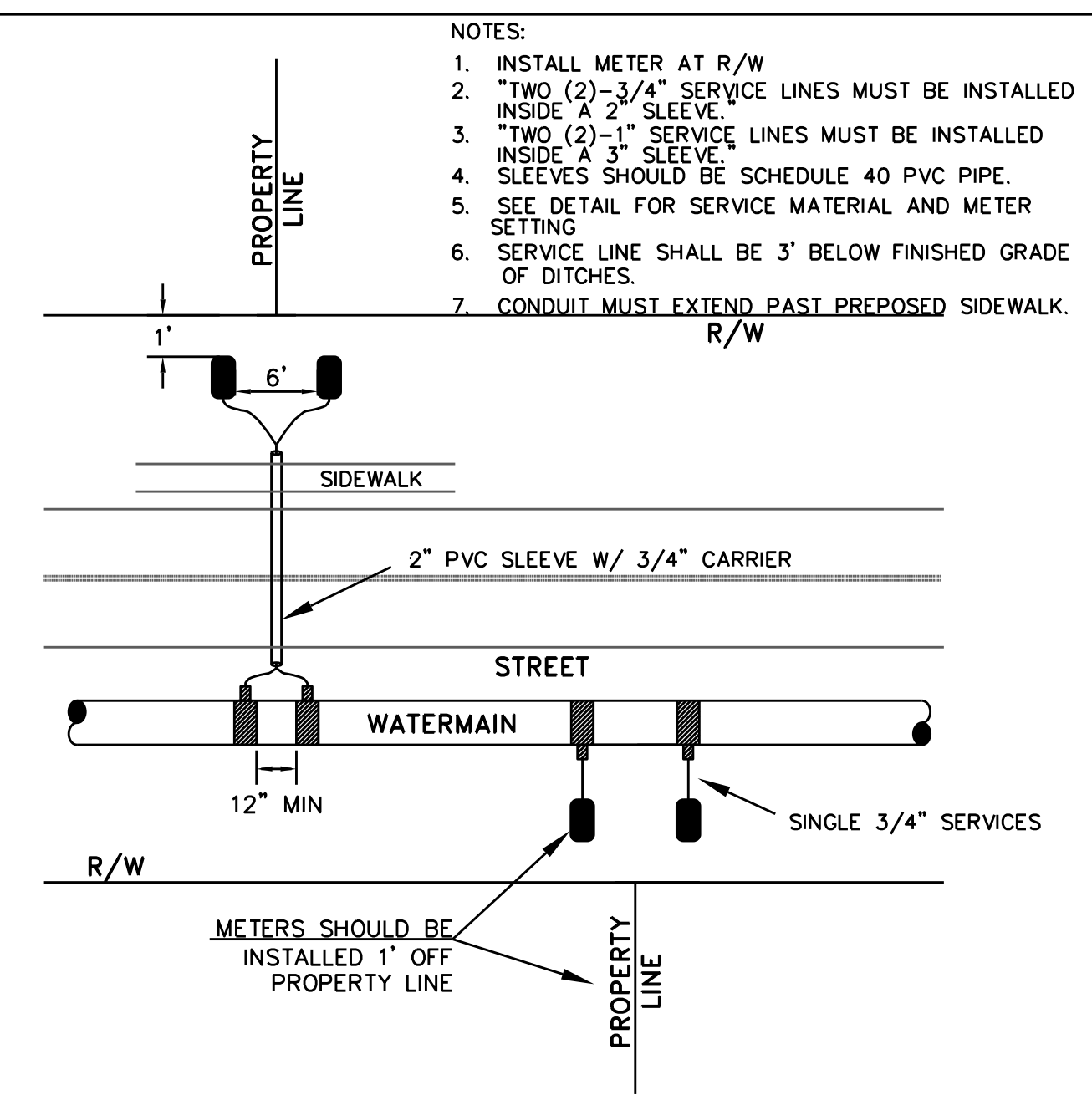


TYPICAL TAPPING SLEEVE AND VALVE ASSEMBLY DETAIL (W 5)
NO SCALE

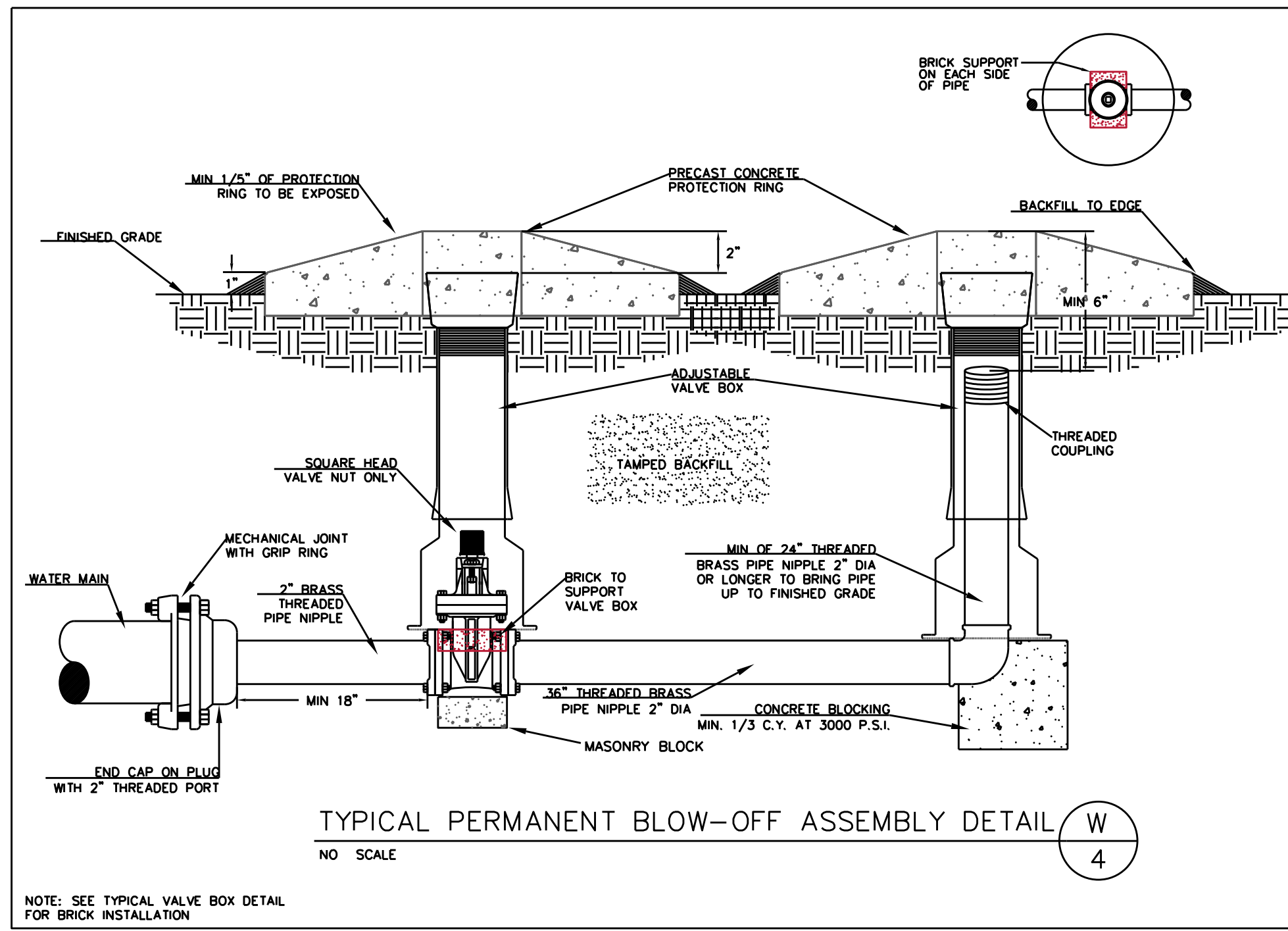


NOTES:
1. "SERVICE CONNECTION" IN PROPOSAL TO INCLUDE SERVICE SADDLE, 45° BEND, CORPORATION COCK AND ALL LABOR INVOLVED IN MAKING A COMPLETE SERVICE CONNECTION.
2. SERVICE PIPING TO BE 3/4" SDR-9 PE TUBING
3. ALL BRASS FITTINGS SHALL BE COMPRESSION TYPE

TYPICAL WATER SERVICE CONNECTION USING TAPPING SADDLE DETAIL (W 13)
NO SCALE



TYPICAL DOMESTIC WATER SERVICE INSTALLATION DETAIL (W 12)
NO SCALE



TYPICAL PERMANENT BLOW-OFF ASSEMBLY DETAIL (W 4)
NO SCALE

NOTE: SEE TYPICAL VALVE BOX DETAIL FOR BRICK INSTALLATION

REVISIONS

69
68
67
66
65
64
63
62
61
60
59
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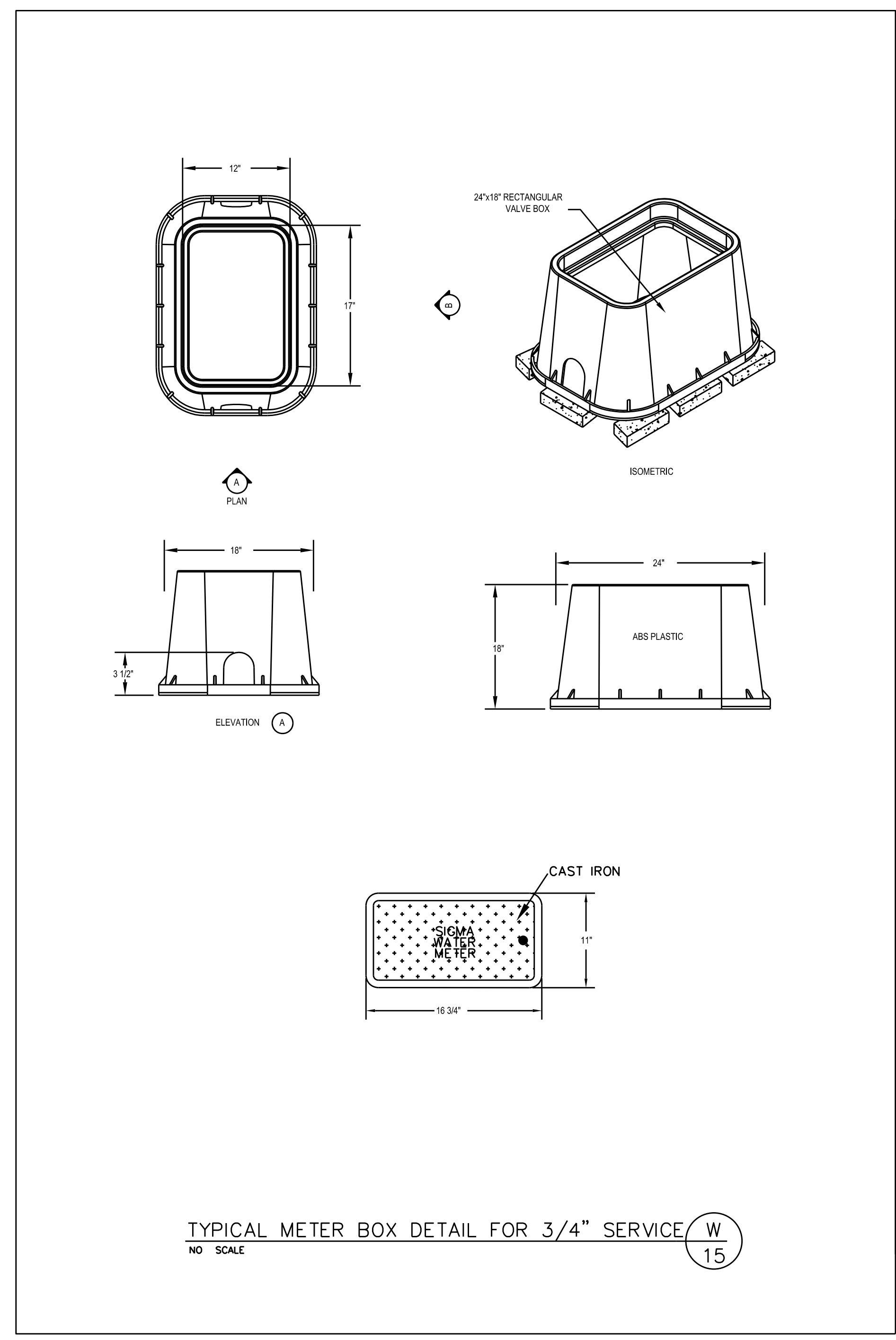
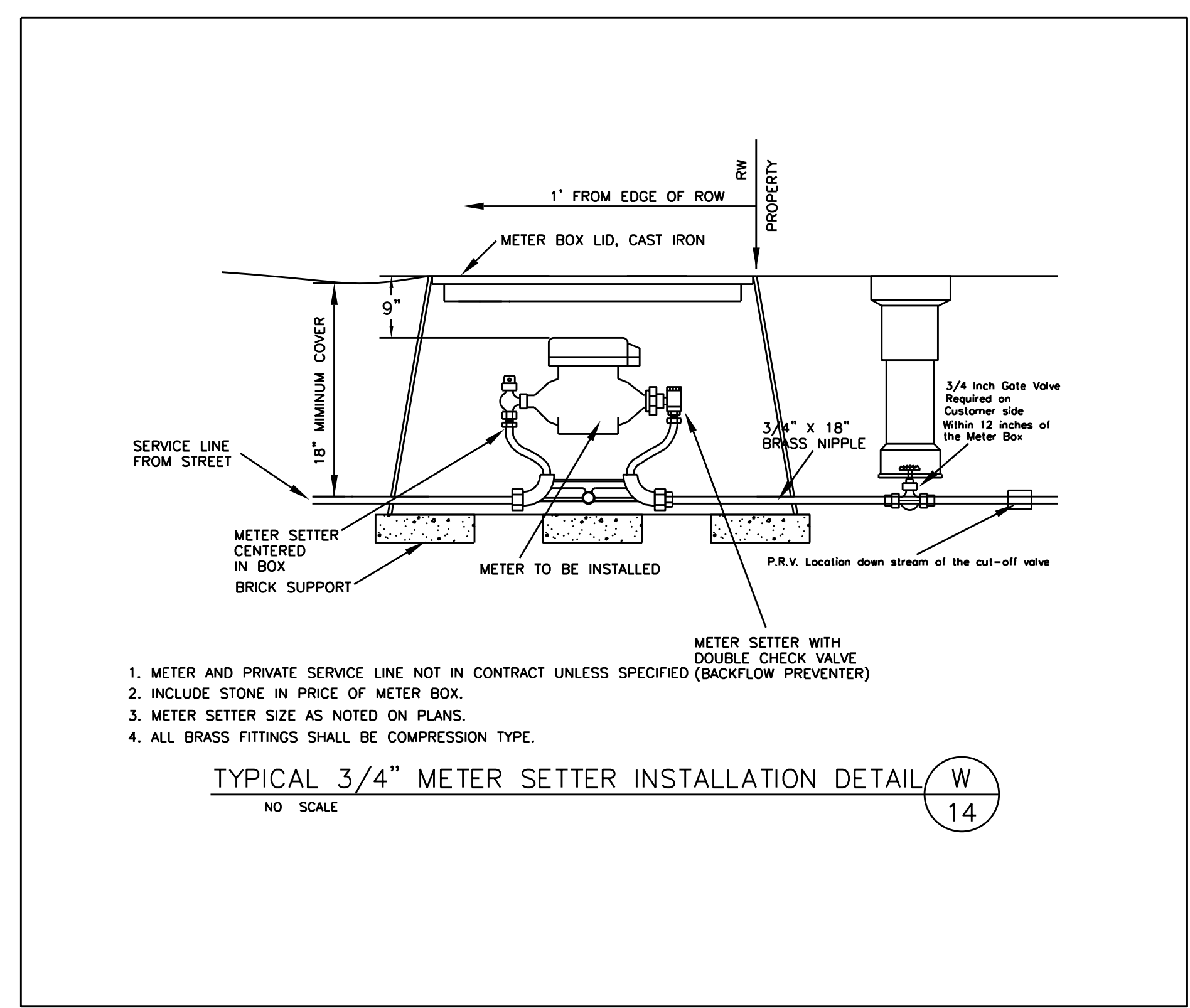
PROJECT TYPICAL DETAILS

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NORTH CAROLINA DEPARTMENT OF TRANSPORTATION	
UTILITIES ENGINEERING SEC. PHONE: (919) 707-6690 FAX: (919) 250-4151	UTILITY CONSTRUCTION PLANS ONLY

UTILITY CONSTRUCTION

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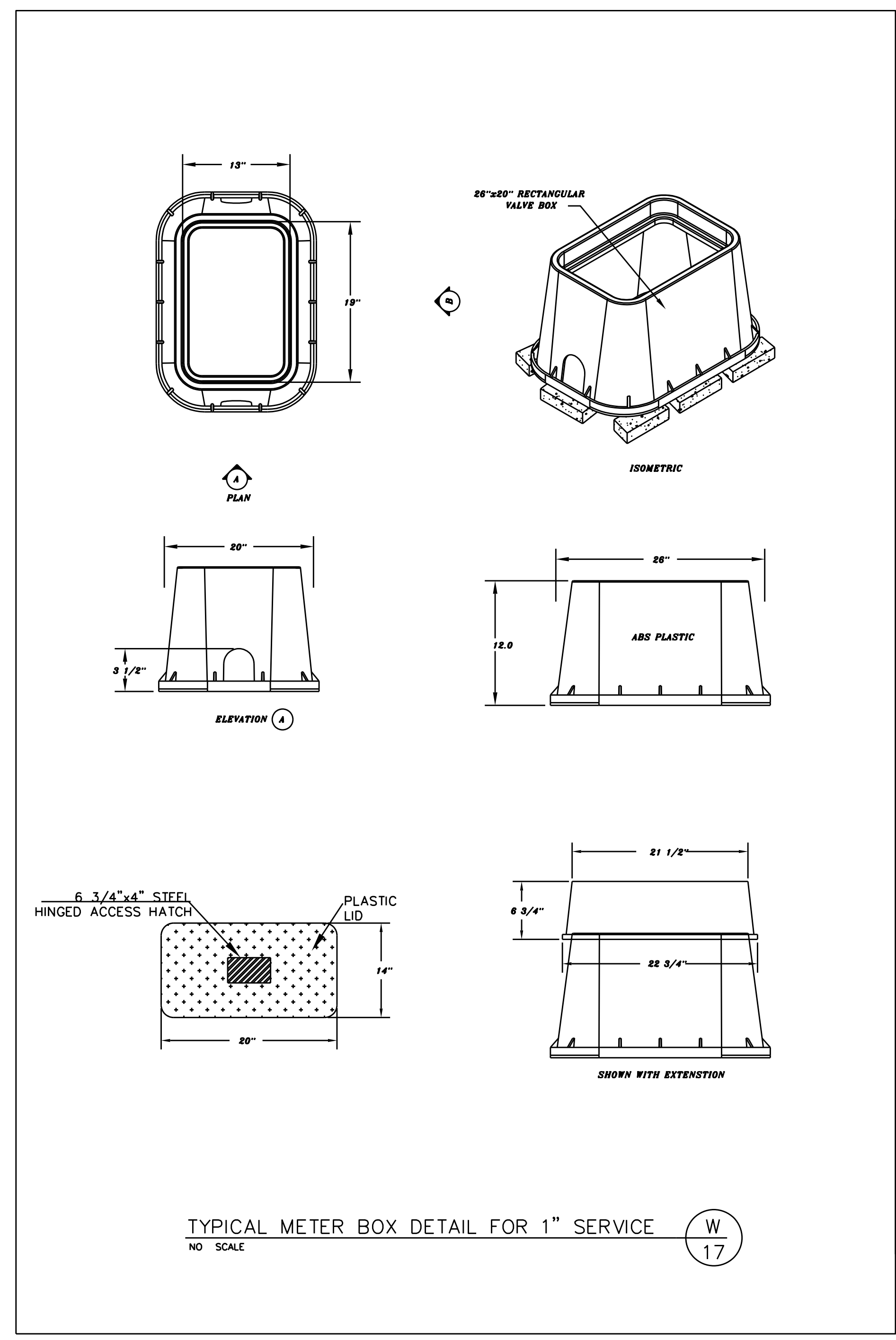
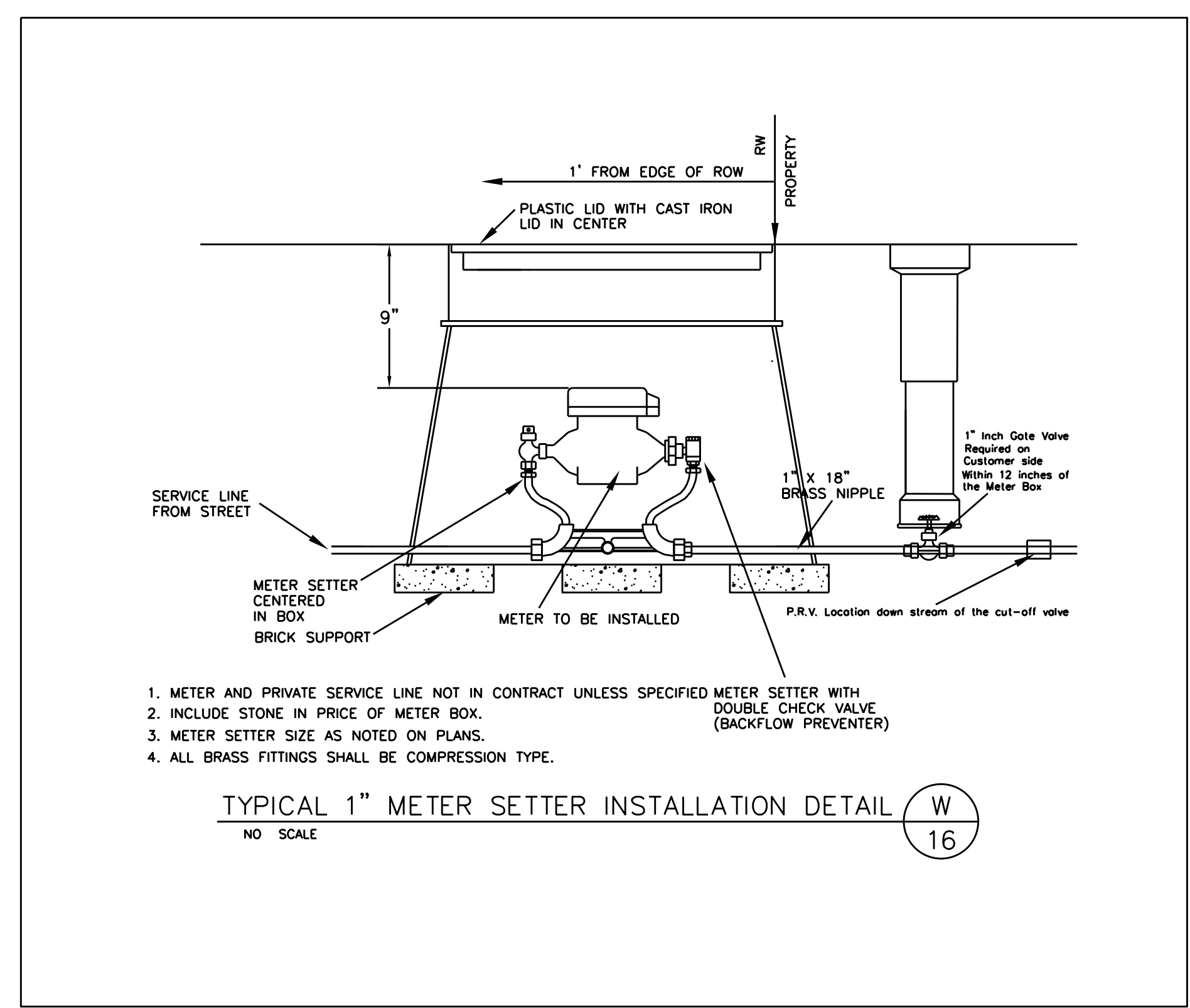
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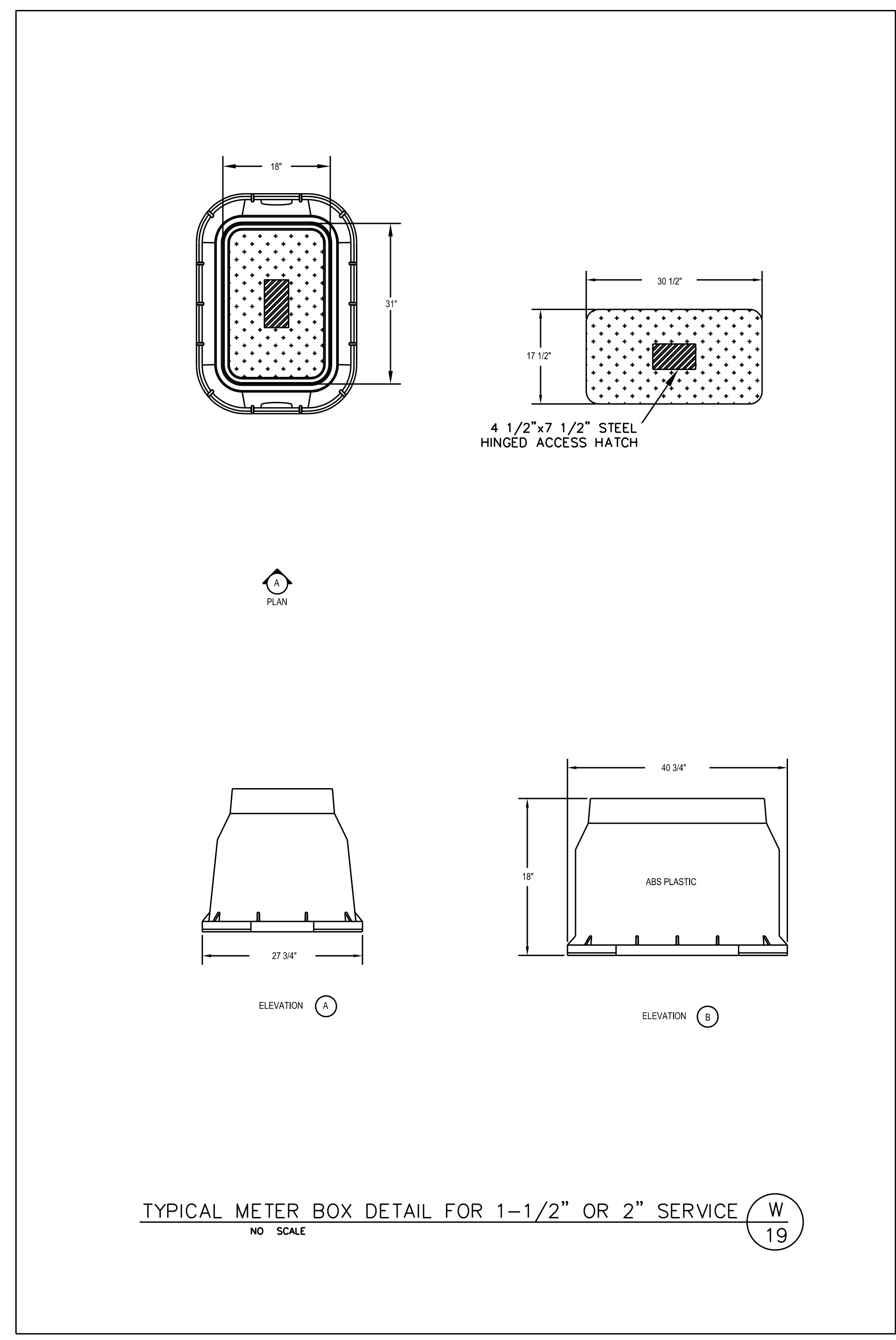
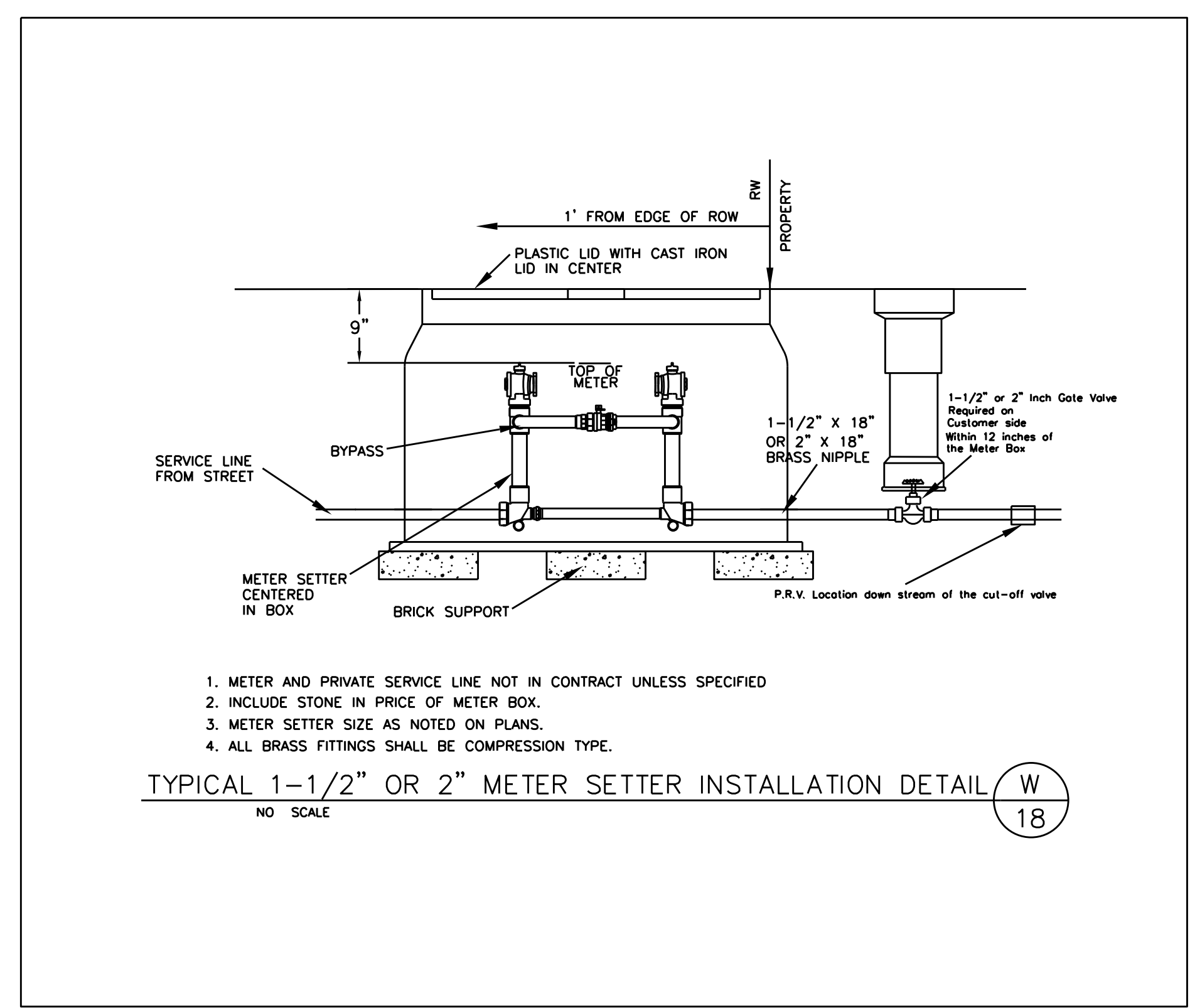
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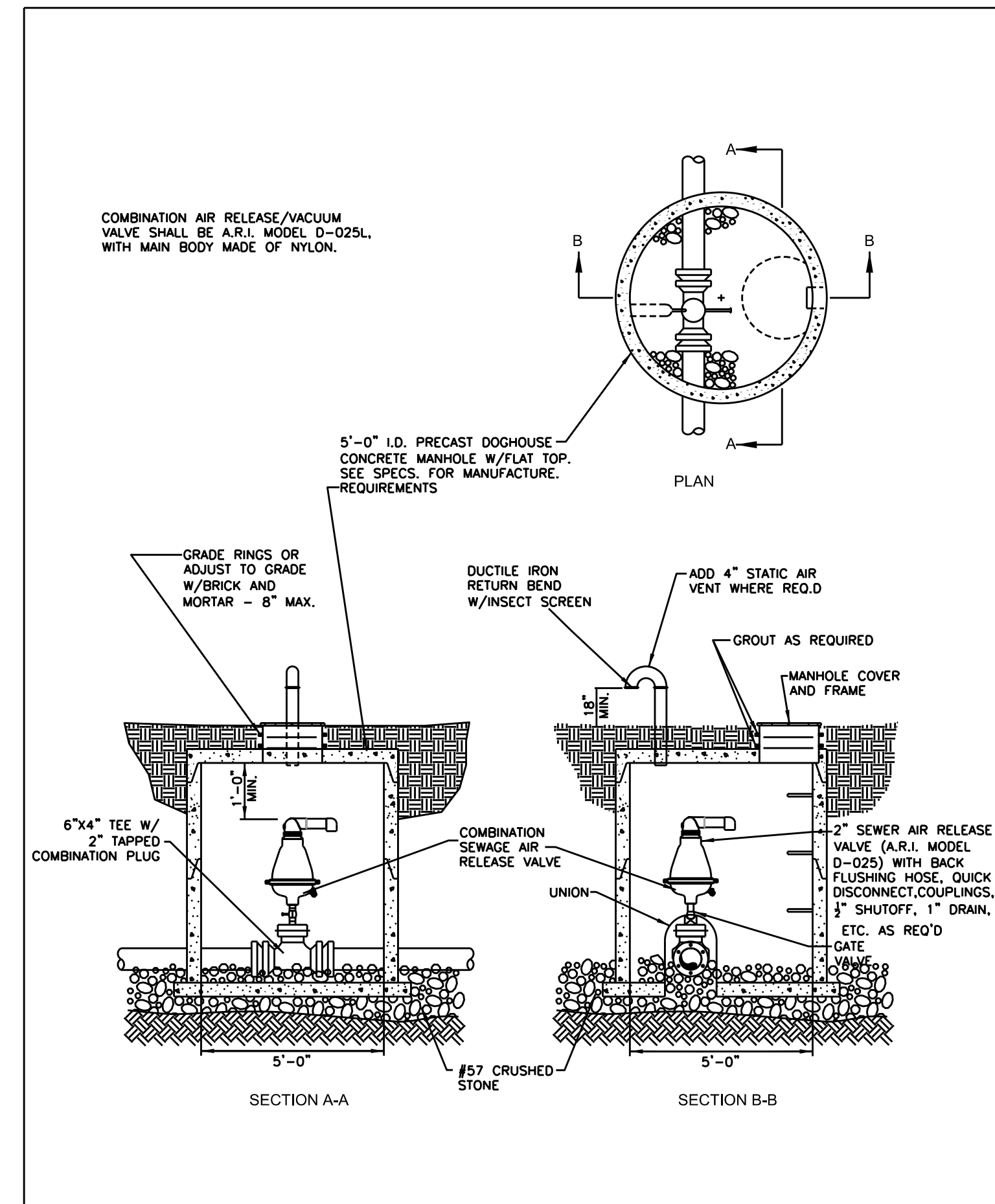
PROJECT TYPICAL DETAILS

DETAILS ON THIS SHEET ARE FOR THE CITY OF DUNN

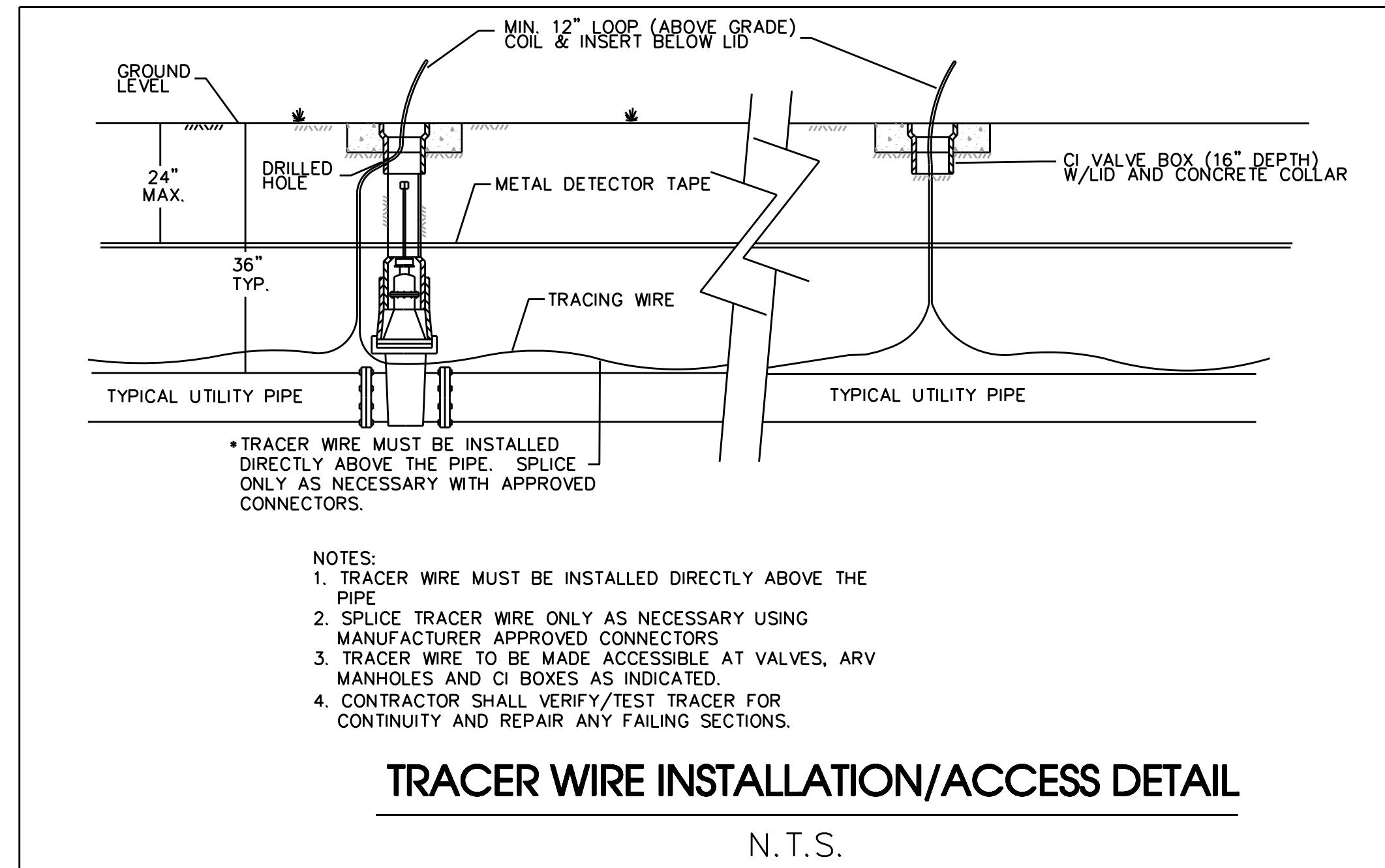
PROJECT REFERENCE NO.	SHEET NO.
I-5883	UC-3F
DESIGNED BY: DMP	
DRAWN BY: DMP	
CHECKED BY: DMP	
APPROVED BY:	
REVISED:	
NORTH CAROLINA DEPARTMENT OF TRANSPORTATION	
UTILITIES ENGINEERING SEC. PHONE: (919) 707-6690 FAX: (919) 250-4151	UTILITY CONSTRUCTION PLANS ONLY

UTILITY CONSTRUCTION

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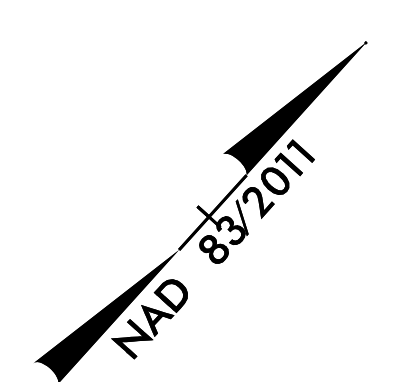
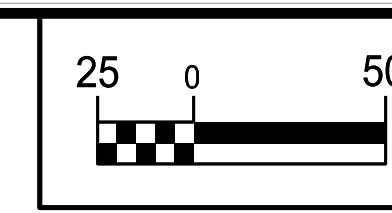


	AIR RELEASE VALVE FOR SEWER FORCE MAINS CITY OF DUNN NORTH CAROLINA Department of Public Works	Revised: 1/25/19
		Scale: NTS
		700.12
		Sheet 1 of 1



TRACER WIRE INSTALLATION/ACCESS DETAIL

N.T.S.

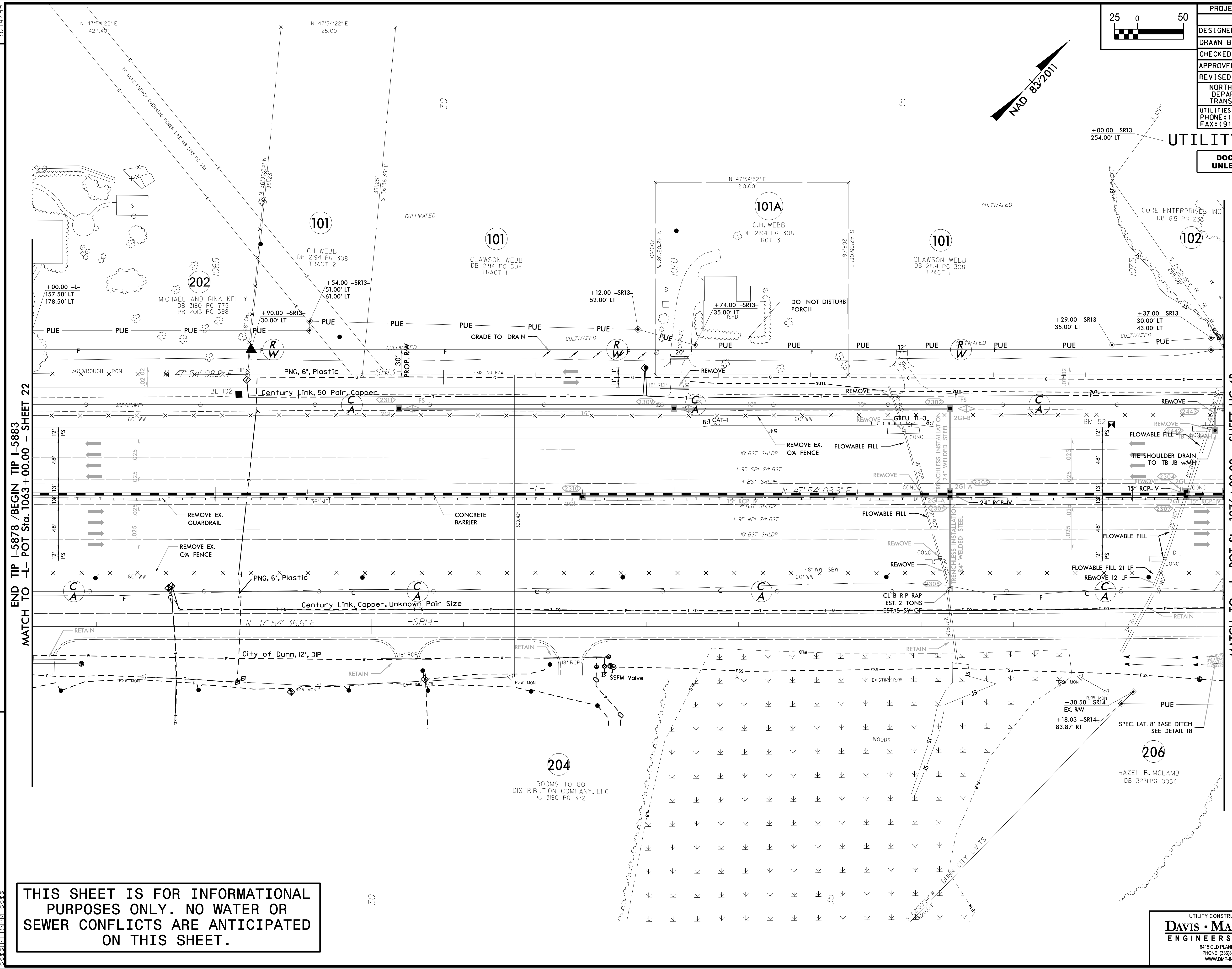


PROJECT REFERENCE NO.	SHEET NO.
I-5883	UC-4A
DESIGNED BY: DMP	
DRAWN BY: DMP	
CHECKED BY: DMP	
APPROVED BY:	
REVISED:	
NORTH CAROLINA DEPARTMENT OF TRANSPORTATION	
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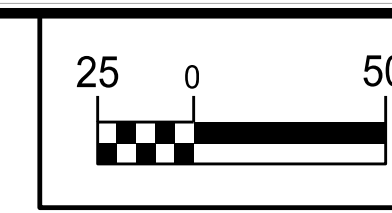
END TIP I-5878 / BEGIN TIP I-5883
MATCH TO -L- POT Sta. 1063+00.00 - SHEET 22

MATCH TO -L- POT Sta. 1076+00.00 - SHEET UC-4B

THIS SHEET IS FOR INFORMATIONAL PURPOSES ONLY. NO WATER OR SEWER CONFLICTS ARE ANTICIPATED ON THIS SHEET.

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 ENGINEERS & SURVEYORS

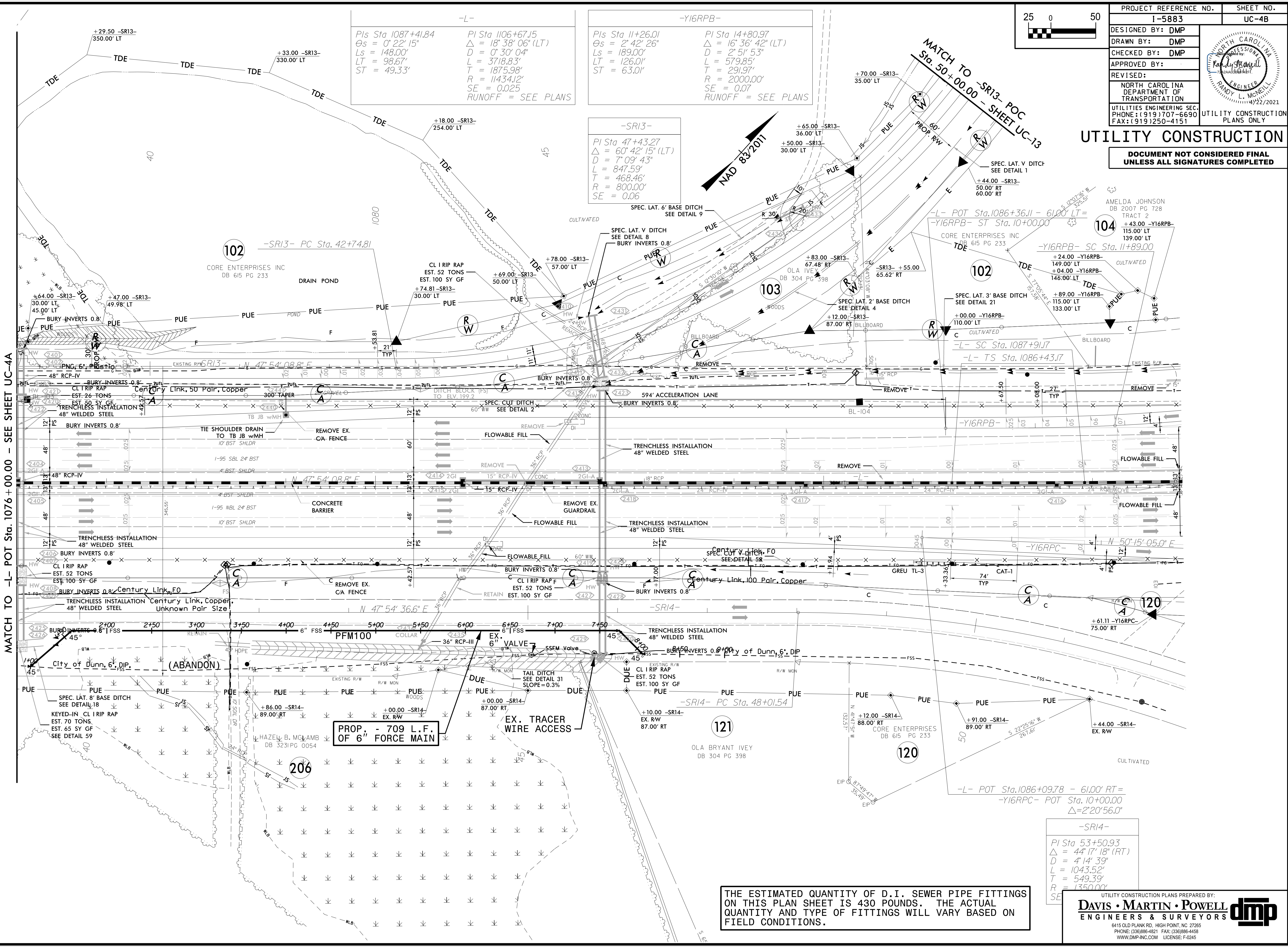
6415 OLD PLANK RD., HIGH POINT, NC 27265
 PHONE: (336) 886-4821 FAX: (336) 886-4458
 WWW.DMP-INC.COM LICENSE: F-2045



PROJECT REFERENCE NO.	SHEET NO.
I-5883	UC-4B
DESIGNED BY: DMP	
DRAWN BY: DMP	
CHECKED BY: DMP	
APPROVED BY:	
REVISER:	UTILITY CONSTRUCTION PLANS ONLY
NORTH CAROLINA DEPARTMENT OF TRANSPORTATION UTILITIES ENGINEERING SECTION PHONE: (919) 707-6690 FAX: (919) 250-4151	

UTILITY CONSTRUCTION

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THE ESTIMATED QUANTITY OF D.I. SEWER PIPE FITTINGS ON THIS PLAN SHEET IS 430 POUNDS. THE ACTUAL QUANTITY AND TYPE OF FITTINGS WILL VARY BASED ON FIELD CONDITIONS.

-SRI4-

PI Sta 53+50.93
Δ = 44° 17' 18" (RT)
D = 4' 14' 39"
L = 1043.52'
T = 549.39'
R = 1350.00'
SE = 0.06
RUNOFF = SEE PLANS

UTILITY CONSTRUCTION PLANS PREPARED BY:

DAVIS • MARTIN • POWELL
ENGINEERS & SURVEYORS

8415 OLD PLANK RD., HIGH POINT, NC 27265
PHONE: (336) 886-4821 FAX: (336) 886-4458
WWW.DMP-INC.COM LICENSE: F-0245

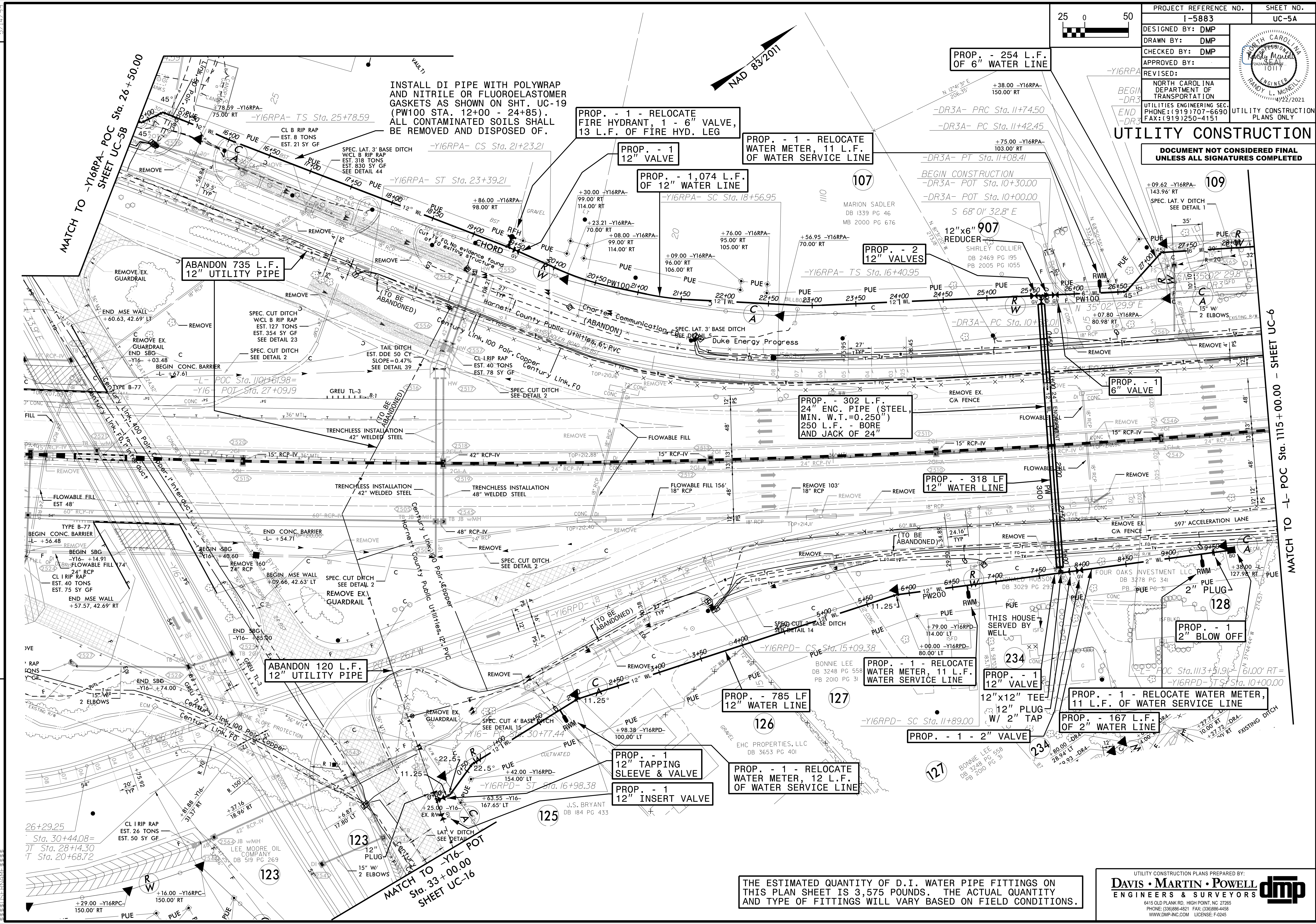
REVISIONS

MATCH TO -L- POT Sta. 1076 + 00.00 - SEE SHEET UC-4A

MATCH TO -SRI3- POC Sta. 50+00.00 - SHEET UC-13

5/14/2021

PROJECT REFERENCE NO.	SHEET NO.
I-5883	UC-5A
DESIGNED BY: DMP	
DRAWN BY: DMP	
CHECKED BY: DMP	
APPROVED BY:	
REVISED:	
NORTH CAROLINA DEPARTMENT OF TRANSPORTATION	UTILITY CONSTRUCTION PLANS ONLY
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UTILITY CONSTRUCTION	
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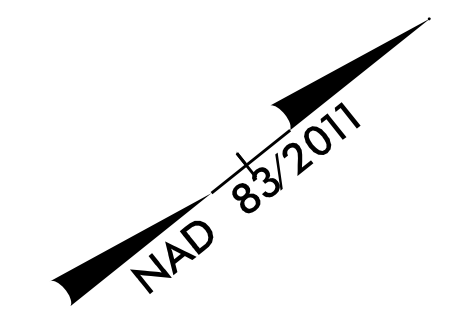
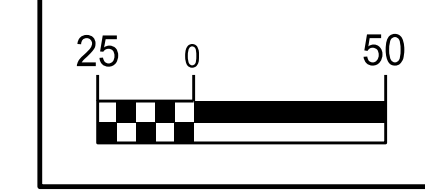


REVISIONS

THE ESTIMATED QUANTITY OF D.I. WATER PIPE FITTINGS ON THIS PLAN SHEET IS 3,575 POUNDS. THE ACTUAL QUANTITY AND TYPE OF FITTINGS WILL VARY BASED ON FIELD CONDITIONS.

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5/14/2011

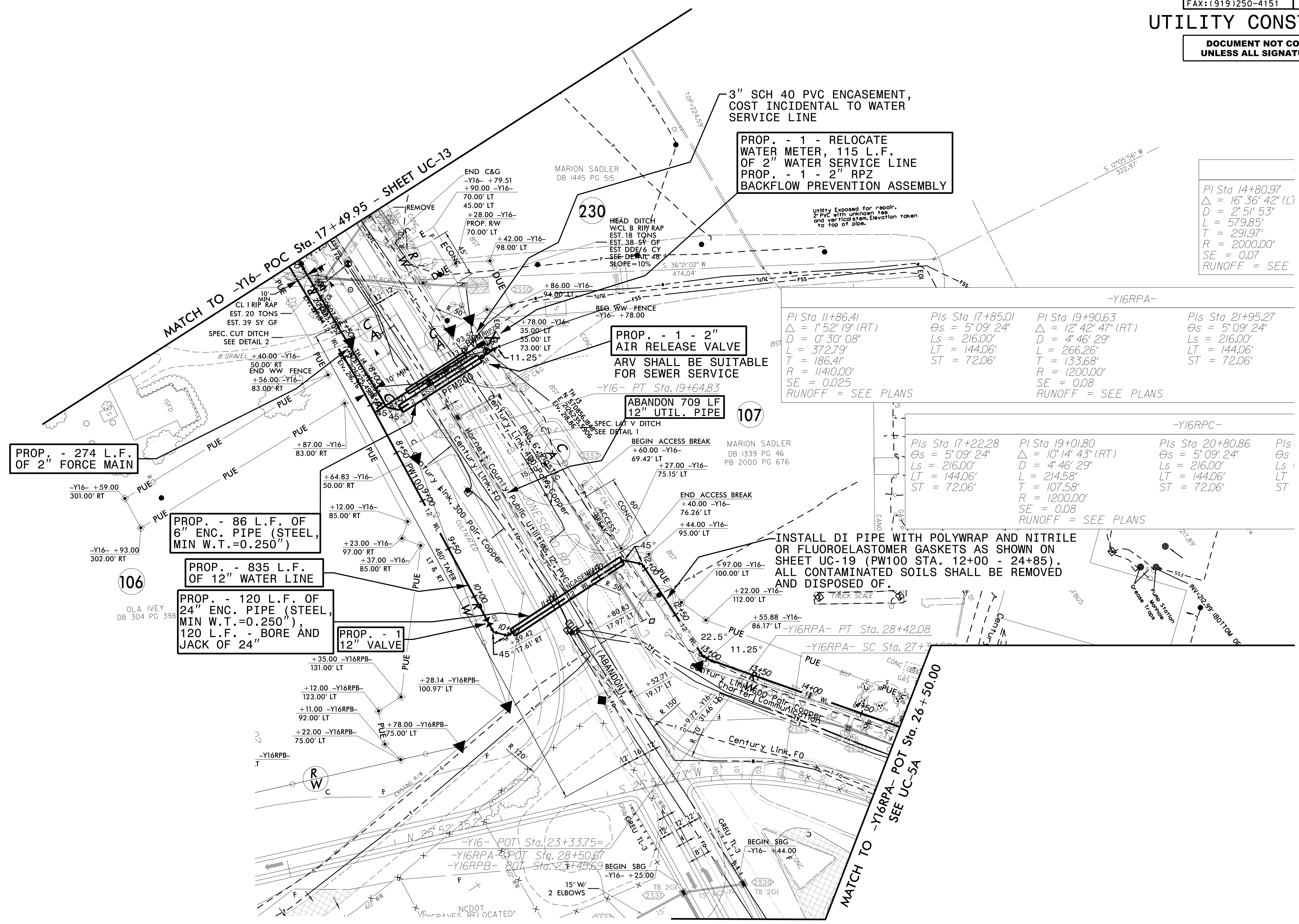


PROJECT REFERENCE NO.	SHEET NO.
I-5883	UC-5B
DESIGNED BY: DMP	
DRAWN BY: DMP	
CHECKED BY: DMP	
APPROVED BY:	
REVISED:	
NORTH CAROLINA DEPARTMENT OF TRANSPORTATION	
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UTILITY CONSTRUCTION

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REVISIONS



PI Sta 14+80.97
 $\Delta = 16' 36" 42" (LT)$
 $D = 2' 5' 53"$
 $L = 579.85'$
 $T = 291.97'$
 $R = 2000.00'$
 $SE = 0.07$
 RUNOFF = SEE

PI Sta 11+86.41
 $\Delta = 1' 52" 19" (RT)$
 $D = 0' 30" 08"$
 $L = 372.79'$
 $T = 186.41'$
 $R = 1140.00'$
 $SE = 0.025$
 RUNOFF = SEE PLANS

PIs Sta 17+85.01
 $\Theta s = 5' 09" 24"$
 $Ls = 216.00'$
 $LT = 144.06'$
 $ST = 72.06'$

PI Sta 19+90.63
 $\Delta = 12' 42" 47" (RT)$
 $D = 4' 46" 29"$
 $L = 266.26'$
 $T = 133.68'$
 $R = 1200.00'$
 $SE = 0.08$
 RUNOFF = SEE PLANS

PIs Sta 21+95.27
 $\Theta s = 5' 09" 24"$
 $Ls = 216.00'$
 $LT = 144.06'$
 $ST = 72.06'$

PIs Sta 17+22.28
 $\Theta s = 5' 09" 24"$
 $Ls = 216.00'$
 $LT = 144.06'$
 $ST = 72.06'$

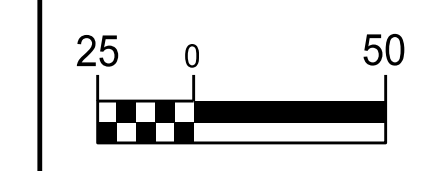
PI Sta 19+01.80
 $\Delta = 10' 14" 43" (RT)$
 $D = 4' 46" 29"$
 $L = 214.58'$
 $T = 107.58'$
 $R = 1200.00'$
 $SE = 0.08$
 RUNOFF = SEE PLANS

PIs Sta 20+80.86
 $\Theta s = 5' 09" 24"$
 $Ls = 216.00'$
 $LT = 144.06'$
 $ST = 72.06'$

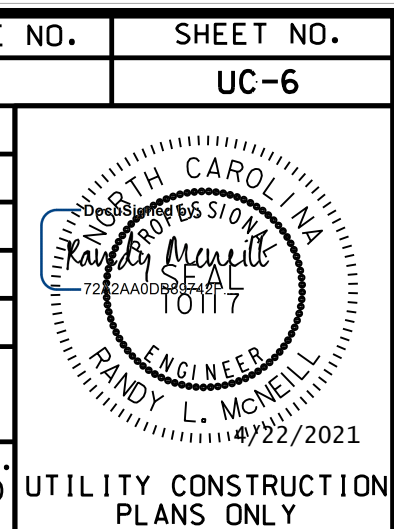
INSTALL DI PIPE WITH POLYWRAP AND NITRILE OR FLUOROELASTOMER GASKETS AS SHOWN ON SHEET UC-19 (PW100 STA. 12+00 - 24+85). ALL CONTAMINATED SOILS SHALL BE REMOVED AND DISPOSED OF.

THE ESTIMATED QUANTITY OF D.I. WATER PIPE FITTINGS ON THIS PLAN SHEET IS 1,300 POUNDS. THE ACTUAL QUANTITY AND TYPE OF FITTINGS WILL VARY BASED ON FIELD CONDITIONS.

5/14/2019



PROJECT REFERENCE NO.	1-5883
SHEET NO.	UC-6
DESIGNED BY:	DMP
DRAWN BY:	DMP
CHECKED BY:	DMP
APPROVED BY:	
REVISED:	
NORTH CAROLINA DEPARTMENT OF TRANSPORTATION	
UTILITIES ENGINEERING SEC. PHONE: (919) 707-6690 FAX: (919) 250-4151	UTILITY CONSTRUCTION PLANS ONLY



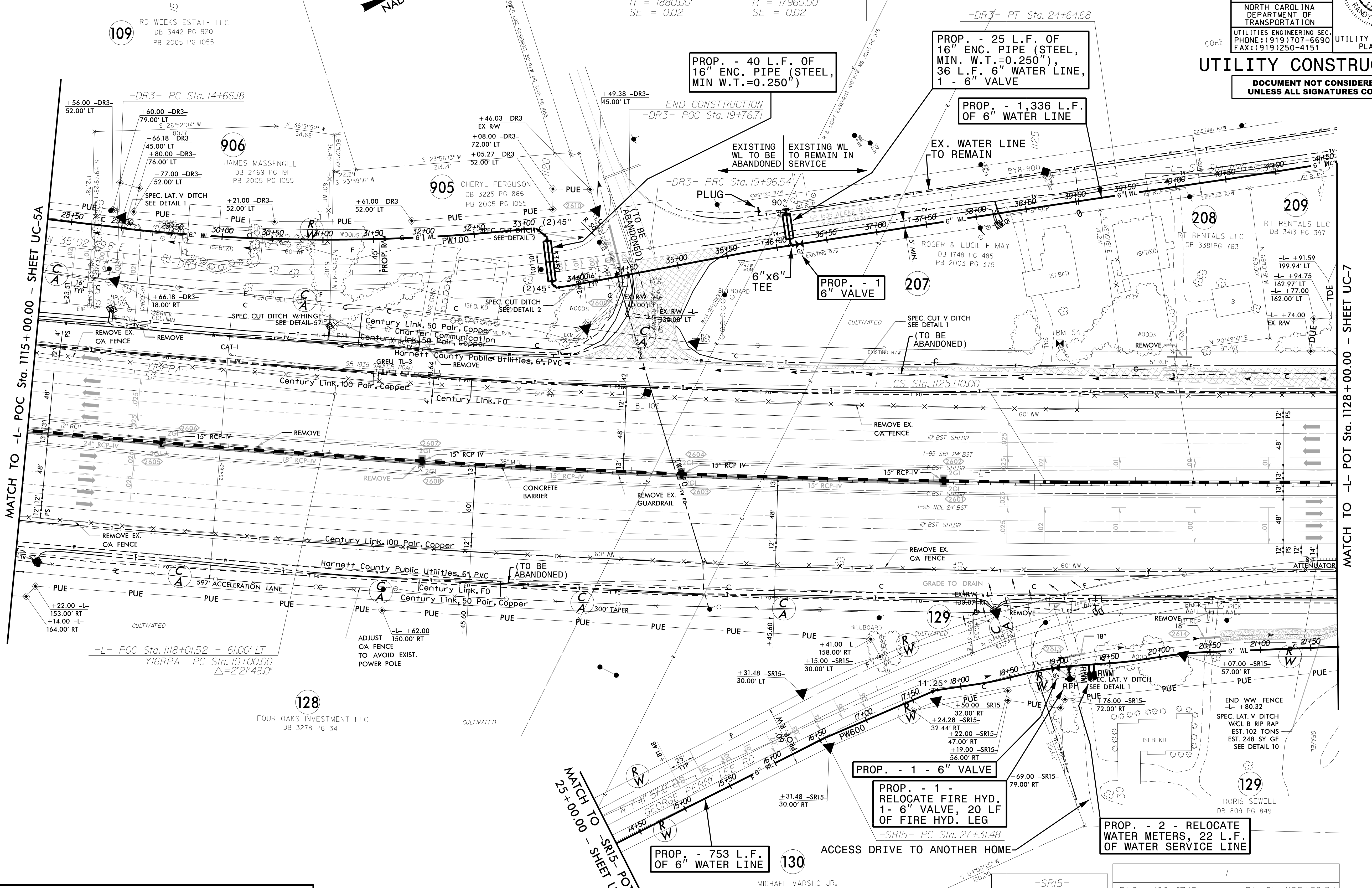
UTILITY CONSTRUCTION

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-DR3-

PI Sta 17+33.13	PI Sta 22+30.62
$\Delta = 16^{\circ}09'49"$ (RT)	$\Delta = 1^{\circ}29'36"$ (RT)
$D = 3^{\circ}02'52"$	$D = 0^{\circ}19'08"$
$L = 530.37'$	$L = 468.13'$
$T = 266.96'$	$T = 234.08'$
$R = 1880.00'$	$R = 17960.00'$
$SE = 0.02$	$SE = 0.02$



THE ESTIMATED QUANTITY OF D.I. WATER PIPE FITTINGS ON THIS PLAN SHEET IS 2,125 POUNDS. THE ACTUAL QUANTITY AND TYPE OF FITTINGS WILL VARY BASED ON FIELD CONDITIONS.

-SR15-

PI Sta 30+48.66	PI Sta 1125+59.34
$\Delta = 26^{\circ}49'36.4"$ (RT)	$\Delta = 18^{\circ}38'06"$ (LT)
$D = 4^{\circ}18'28.6"$	$D = 0^{\circ}30'04"$
$L = 622.73'$	$L = 3718.83'$
$T = 317.18'$	$T = 1875.98'$
$R = 1,330.00'$	$R = 11434.12'$
$SE = 0.06$	$SE = 0.025$
	$RUNOFF =$

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REVISIONS

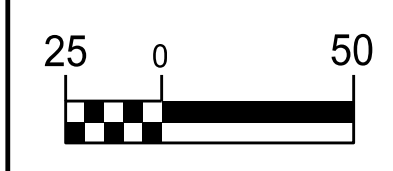
5/14/2019

MATCH TO -L- POC Sta. 1115+00.00 - SHEET UC-5A

MATCH TO -L- POT Sta. 1128+00.00 - SHEET UC-7

MATCH TO -SR15- POT Sta. 25+00.00 - SHEET UC-17

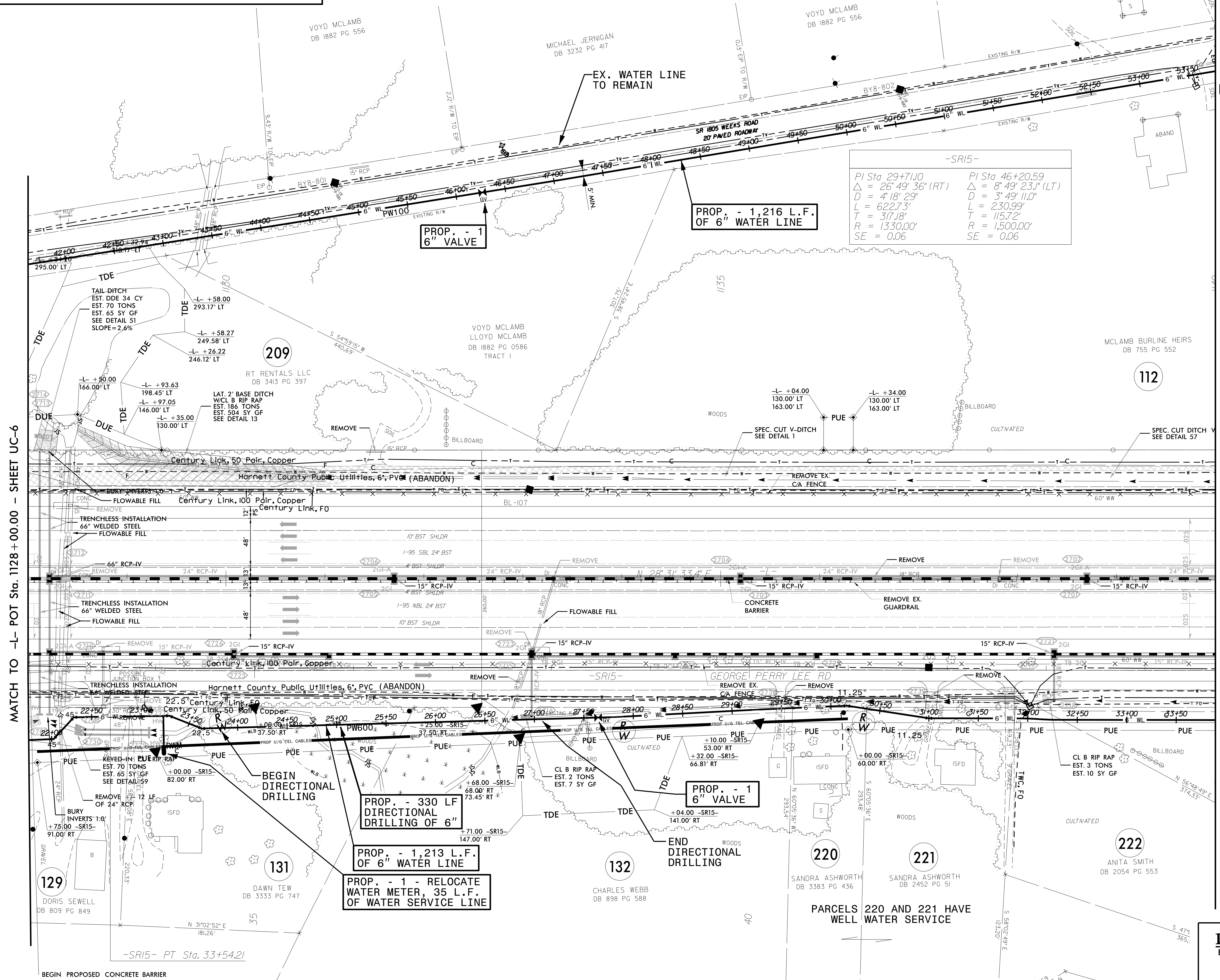
THE ESTIMATED QUANTITY OF D.I. WATER PIPE FITTINGS ON THIS PLAN SHEET IS 600 POUNDS. THE ACTUAL QUANTITY AND TYPE OF FITTINGS WILL VARY BASED ON FIELD CONDITIONS.



PROJECT REFERENCE NO.	1-5883	SHEET NO.	UC-7
DESIGNED BY:	DMP		
DRAWN BY:	DMP		
CHECKED BY:	DMP		
APPROVED BY:			
REVISED:			
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UTILITY CONSTRUCTION

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-SR15-	
PI Sta 29+71.00	PI Sta 46+20.59
$\Delta = 26^\circ 49' 36''$ (RT)	$\Delta = 8^\circ 49' 23.1''$ (LT)
$D = 418' 29''$	$D = 3' 49' 11.0''$
$L = 622.73'$	$L = 230.99'$
$T = 317.18'$	$T = 115.72'$
$R = 1330.00'$	$R = 1500.00'$
$SE = 0.06$	$SE = 0.06$

MATCH TO -L- POT Sta. 1128+00.00 - SHEET UC-6

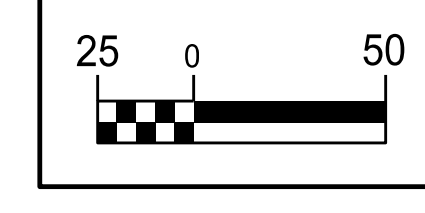
MATCH TO -L- POT Sta. 1140+00.00 - SHEET UC-8

REVISIONS

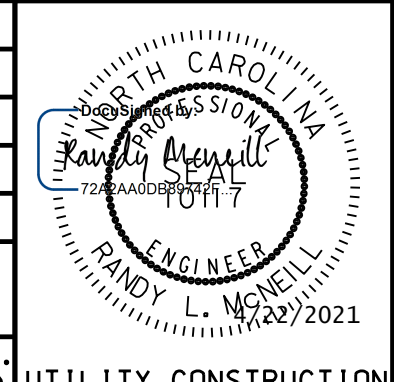
Vertical list of revision numbers and descriptions.

BEGIN PROPOSED CONCRETE BARRIER

PARCELS 220 AND 221 HAVE WELL WATER SERVICE



PROJECT REFERENCE NO.	I-5883
SHEET NO.	UC-8
DESIGNED BY:	DMP
DRAWN BY:	DMP
CHECKED BY:	DMP
APPROVED BY:	
REVISED:	
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THE ESTIMATED QUANTITY OF D.I. WATER PIPE FITTINGS ON THIS PLAN SHEET IS 1,850 POUNDS. THE ACTUAL QUANTITY AND TYPE OF FITTINGS WILL VARY BASED ON FIELD CONDITIONS.

-SR16-
PI Sta 14+53.83
Δ = 78' 50" 53" (LT)
D = 24' 48" 12"
L = 317.89'
T = 189.91'
R = 231.00'
SE = 0.06

-SR15-
PI Sta 46+20.59
Δ = 8' 49" 23.1" (LT)
D = 3' 49" 11.0"
L = 230.99'
T = 115.72'
R = 1,500.00'
SE = 0.06

PROP. - 1
6" TAPPING
SLEEVE & VALVE

PROP. - 25 L.F. OF
16" ENCASMENT PIPE
(STEEL, MIN. W.T.=0.250")
36 L.F. OF 6" WATER LINE
1 - 6" VALVE

PROP. - 801 L.F.
OF 6" WATER LINE

PROP. - 30 L.F. OF
16" ENC. PIPE (STEEL,
MIN W.T.=0.250")

PROP. - 308 L.F. OF
6" WATER LINE

PROP. - 1
6" INSERT VALVE

PROP. - 1
6" TAPPING
SLEEVE & VALVE

PROP. - 1
6" LINE STOP

PROP. - 1 - RELOCATE
FIRE HYDRANT
1 - 6" VALVE, 14 L.F.
OF FIRE HYDRANT LEG

PROP. - 1 - RECONNECT
WATER METER, 22 L.F.
OF WATER SERVICE LINE

PROP. - 1
6" VALVE

PROP. - 1, 228 L.F.
OF 6" WATER LINE

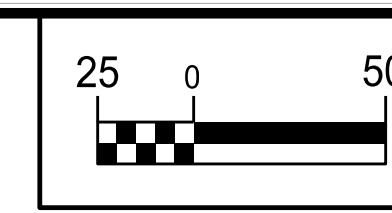
PROP. - 1
6" TAPPING
SLEEVE & VALVE

PROP. - 1
6" INSERT
VALVE

MATCH TO -L- POT Sta. 1140+00.00 - SHEET UC-7

MATCH TO -L- POT Sta. 1154+00.00 - SHEET UC-9

REVISIONS

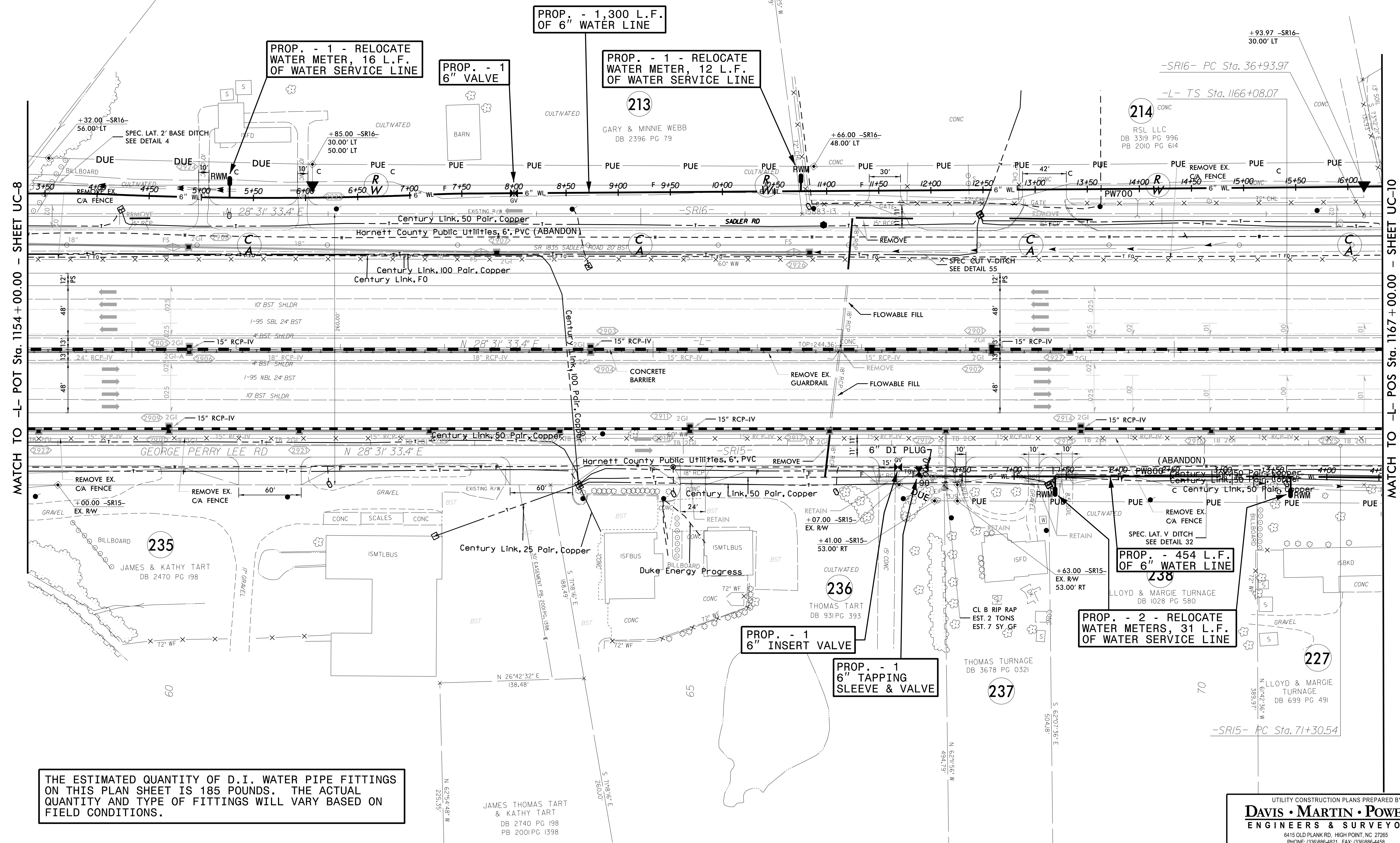


PROJECT REFERENCE NO.	SHEET NO.
I-5883	UC-9
DESIGNED BY: DMP	
DRAWN BY: DMP	
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APPROVED BY:	
REVISED:	
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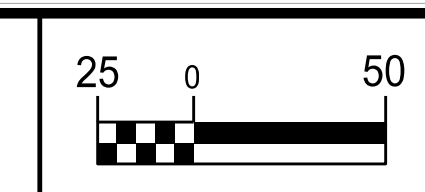
UTILITY CONSTRUCTION
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-SR16-
 PI Sta 47+03.08
 $\Delta = 10^{\circ} 00' 29''$ (LT)
 $D = 0^{\circ} 29' 50''$
 $L = 2013.09'$
 $T = 1009.11'$
 $R = 11525.00'$
 $SE = 0.06$

-L-
 PIs Sta 1167+06.74
 $\Theta_s = 0^{\circ} 21' 50''$
 $L_s = 148.00'$
 $LT = 98.67'$
 $ST = 49.33'$



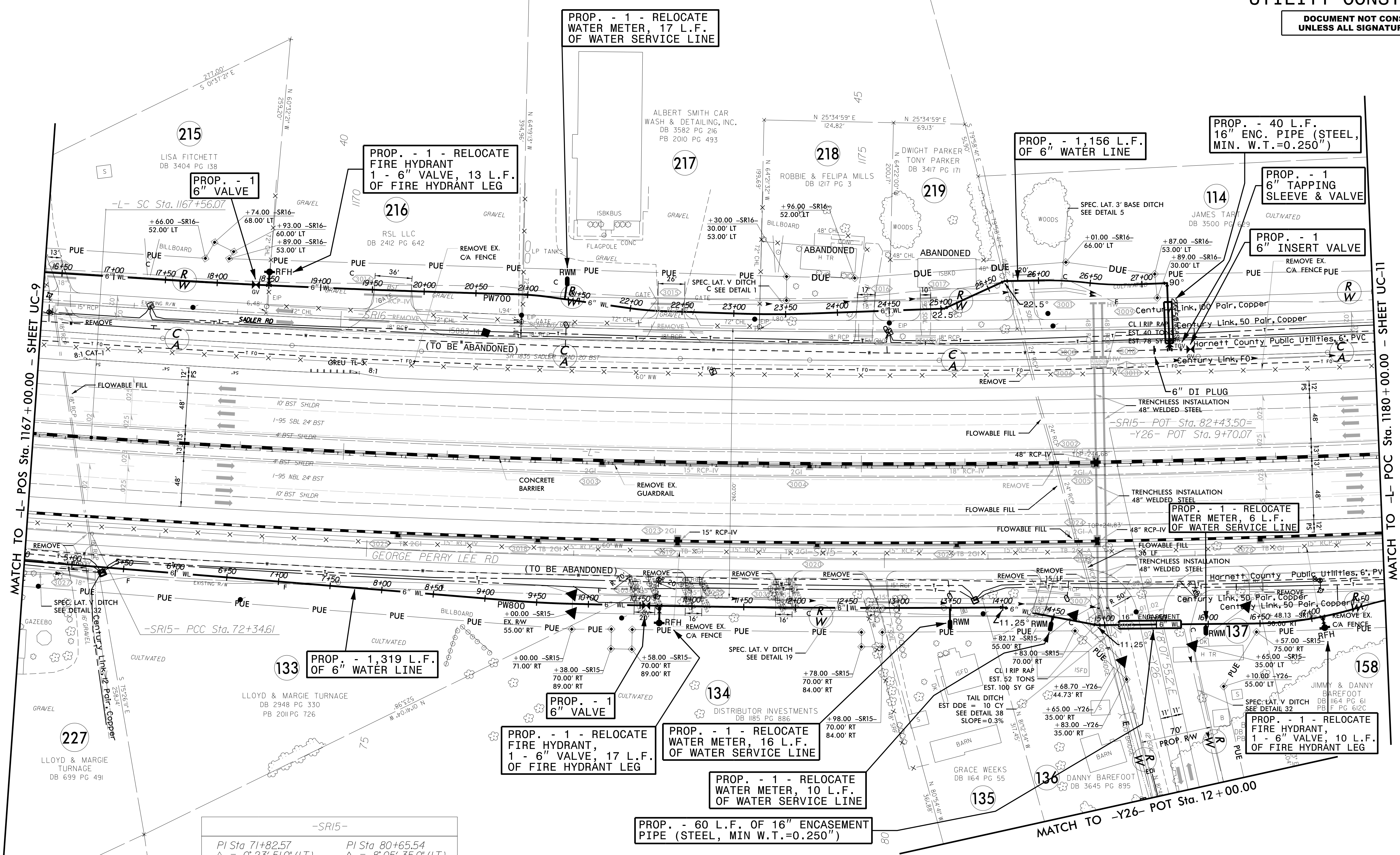
THE ESTIMATED QUANTITY OF D.I. WATER PIPE FITTINGS ON THIS PLAN SHEET IS 185 POUNDS. THE ACTUAL QUANTITY AND TYPE OF FITTINGS WILL VARY BASED ON FIELD CONDITIONS.



PROJECT REFERENCE NO.	SHEET NO.
I-5883	UC-10
DESIGNED BY: DMP	
DRAWN BY: DMP	
CHECKED BY: DMP	
APPROVED BY:	
REVISED:	
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UTILITY CONSTRUCTION
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-L-		-SR16-	
PI Sta 1167+06.74	PI Sta 1177+01.90	PI Sta 47+03.08	
Δs = 0° 21' 50"	Δ = 9° 16' 49" (LT)	Δ = 10° 00' 29" (LT)	
Ls = 148.00'	D = 0° 29' 30"	D = 0° 29' 50"	
LT = 98.67'	L = 1887.52'	L = 2013.09'	
ST = 49.33'	T = 945.83'	T = 1009.11'	
	R = 11653.38'	R = 11525.00'	
	SE = 0.025	SE = 0.02	
	RUNOFF = SEE PLANS		



-SR15-	
PI Sta 71+82.57	PI Sta 80+65.54
Δ = 0° 23' 51.0" (LT)	Δ = 8° 05' 35.0" (LT)
D = 0° 22' 55.1"	D = 0° 29' 16.1"
L = 104.07'	L = 1,659.11'
T = 52.03'	T = 830.94'
R = 15,000.00'	R = 11,745.88'
SE = NC	SE = NC

THE ESTIMATED QUANTITY OF D.I. WATER PIPE FITTINGS ON THIS PLAN SHEET IS 785 POUNDS. THE ACTUAL QUANTITY AND TYPE OF FITTINGS WILL VARY BASED ON FIELD CONDITIONS.

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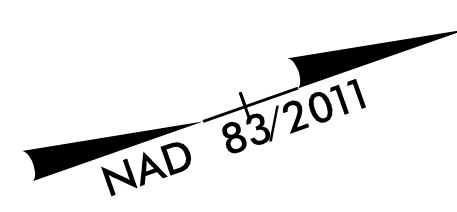
REVISIONS

MATCH TO -L- POS Sta. 1167+00.00 - SHEET UC-9

MATCH TO -L- POC Sta. 1180+00.00 - SHEET UC-11

5/14/2017

5/14/2011



PROJECT REFERENCE NO.	SHEET NO.
I-5883	UC-11
DESIGNED BY: DMP	
DRAWN BY: DMP	
CHECKED BY: DMP	
APPROVED BY:	
REVISED:	
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UTILITY CONSTRUCTION

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-L-

PI Sta 1177+01.90 Δ = 9°16'49" (LT) D = 0°29'30" L = 1887.52' T = 945.83' R = 11653.38' SE = 0.025 RUNOFF = SEE PLANS	PIs Sta 1186+92.92 Os = 0°21'50" Ls = 148.00' LT = 98.67' ST = 49.33'
--	---

-Y17RPB-

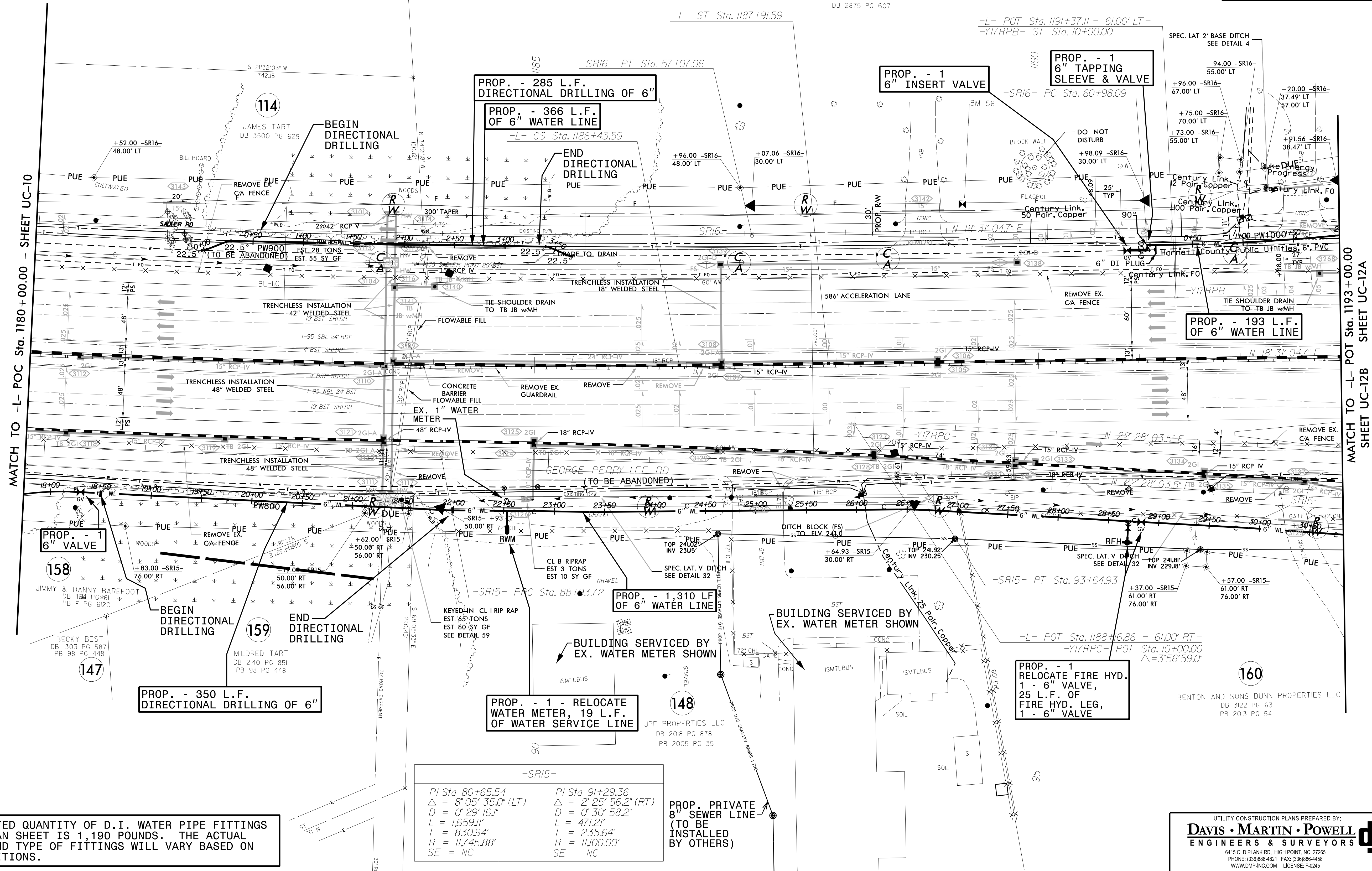
PIs Sta 11+26.02 Os = 2°58'30" Ls = 189.00' LT = 126.02' ST = 63.02'
--

-SR16-

PI Sta 47+03.08 Δ = 10°00'29" (LT) D = 0°29'50" L = 2013.09' T = 1009.11' R = 11525.00' SE = 0.02	PI Sta 65+09.73 Δ = 23°13'21" (LT) D = 2°51'53" L = 810.62' T = 410.95' R = 2000.00' SE = 0.06
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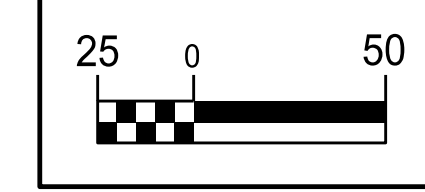
-SR15-

PI Sta 80+65.54 Δ = 8°05'35.0" (LT) D = 0°29'16.1" L = 1,659.11' T = 830.94' R = 11,745.88' SE = NC	PI Sta 91+29.36 Δ = 2°25'56.2" (RT) D = 0°30'58.2" L = 471.21' T = 235.64' R = 11,000.00' SE = NC
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THE ESTIMATED QUANTITY OF D.I. WATER PIPE FITTINGS ON THIS PLAN SHEET IS 1,190 POUNDS. THE ACTUAL QUANTITY AND TYPE OF FITTINGS WILL VARY BASED ON FIELD CONDITIONS.

THE ESTIMATED QUANTITY OF D.I. WATER PIPE FITTINGS ON THIS PLAN SHEET IS 150 POUNDS. THE ACTUAL QUANTITY AND TYPE OF FITTINGS WILL VARY BASED ON FIELD CONDITIONS.



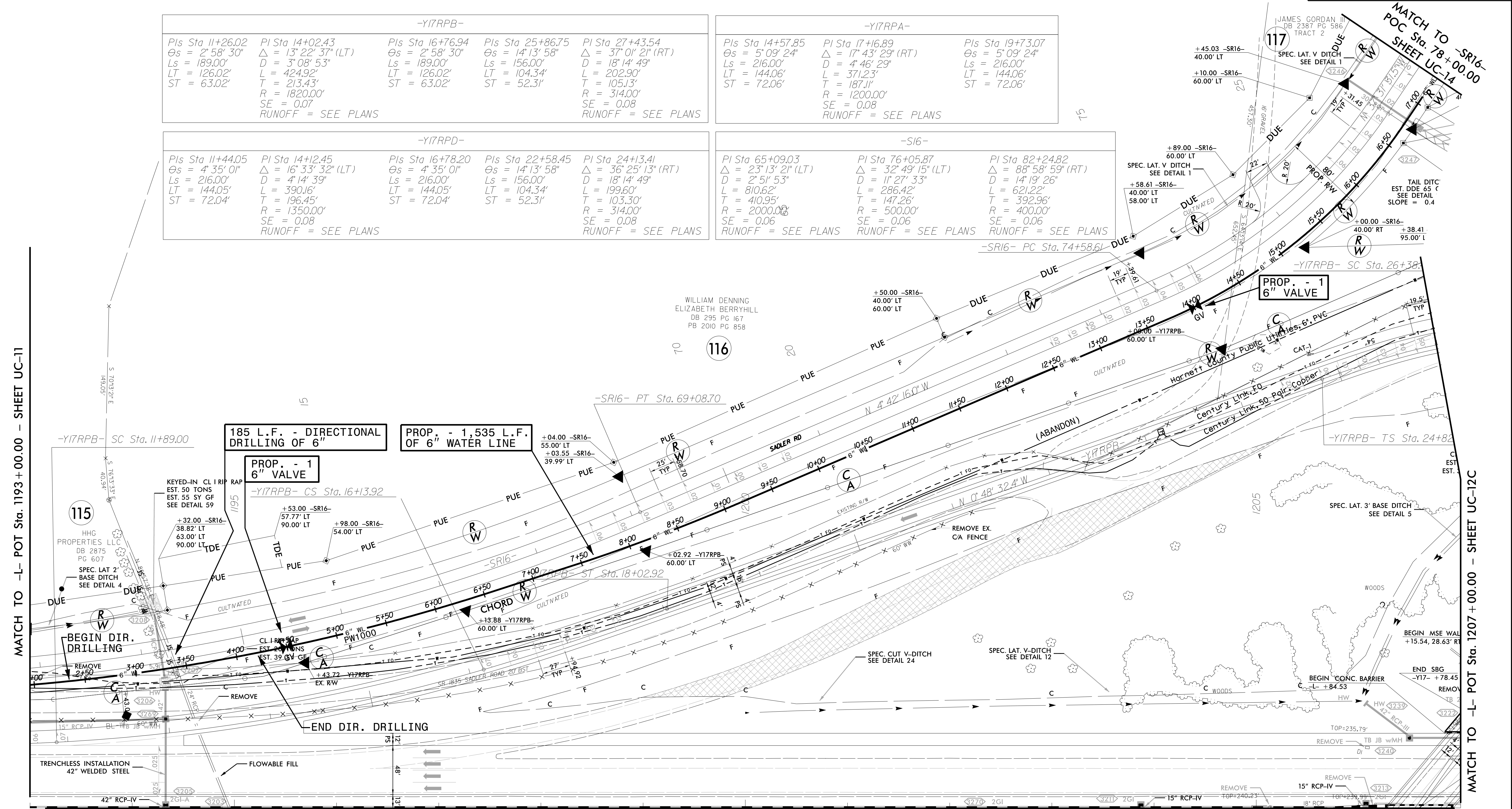
PROJECT REFERENCE NO.	I-5883	SHEET NO.	UC-12A
DESIGNED BY:	DMP		
DRAWN BY:	DMP		
CHECKED BY:	DMP		
APPROVED BY:			
REVISOR:			
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-Y17RPB-					-Y17RPA-		
Pls Sta 11+26.02 Θs = 2° 58' 30" Ls = 189.00' LT = 126.02' ST = 63.02'	Pls Sta 14+02.43 Δ = 13° 22' 37" (LT) D = 3' 08' 53" L = 424.92' T = 213.43' R = 1820.00' SE = 0.07 RUNOFF = SEE PLANS	Pls Sta 16+76.94 Θs = 2° 58' 30" Ls = 189.00' LT = 126.02' ST = 63.02'	Pls Sta 25+86.75 Θs = 14° 13' 58" Ls = 156.00' LT = 104.34' ST = 52.31'	Pls Sta 27+43.54 Δ = 37° 01' 21" (RT) D = 18' 14' 49" L = 202.90' T = 105.13' R = 314.00' SE = 0.08 RUNOFF = SEE PLANS	Pls Sta 14+57.85 Θs = 5° 09' 24" Ls = 216.00' LT = 144.06' ST = 72.06'	Pls Sta 17+16.89 Δ = 17° 43' 29" (RT) D = 4' 46' 29" L = 371.23' T = 187.11' R = 1200.00' SE = 0.08 RUNOFF = SEE PLANS	Pls Sta 19+73.07 Θs = 5° 09' 24" Ls = 216.00' LT = 144.06' ST = 72.06'

-Y17RPD-					-S16-		
Pls Sta 11+44.05 Θs = 4° 35' 01" Ls = 216.00' LT = 144.05' ST = 72.04'	Pls Sta 14+12.45 Δ = 16° 33' 32" (LT) D = 4' 14' 39" L = 390.16' T = 196.45' R = 1350.00' SE = 0.08 RUNOFF = SEE PLANS	Pls Sta 16+78.20 Θs = 4° 35' 01" Ls = 216.00' LT = 144.05' ST = 72.04'	Pls Sta 22+58.45 Θs = 14° 13' 58" Ls = 156.00' LT = 104.34' ST = 52.31'	Pls Sta 24+13.41 Δ = 36° 25' 13" (RT) D = 18' 14' 49" L = 199.60' T = 103.30' R = 314.00' SE = 0.08 RUNOFF = SEE PLANS	Pls Sta 65+09.03 Δ = 23° 13' 21" (LT) D = 2' 51' 53" L = 810.62' T = 410.95' R = 2000.00' SE = 0.06 RUNOFF = SEE PLANS	Pls Sta 76+05.87 Δ = 32° 49' 15" (LT) D = 11' 27' 33" L = 286.42' T = 147.26' R = 500.00' SE = 0.06 RUNOFF = SEE PLANS	Pls Sta 82+24.82 Δ = 88° 58' 59" (RT) D = 14' 19' 26" L = 621.22' T = 392.96' R = 400.00' SE = 0.06 RUNOFF = SEE PLANS



REVISIONS

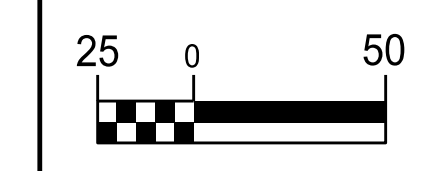
MATCH TO -L- POT Sta. 1193+00.00 - SHEET UC-11

MATCH TO -L- POT Sta. 1207+00.00 - SHEET UC-12

MATCH TO -L- - SHEET UC-12B

5/14/2019

THE ESTIMATED QUANTITY OF D.I. WATER PIPE FITTINGS ON THIS PLAN SHEET IS 595 POUNDS. THE ACTUAL QUANTITY AND TYPE OF FITTINGS WILL VARY BASED ON FIELD CONDITIONS.

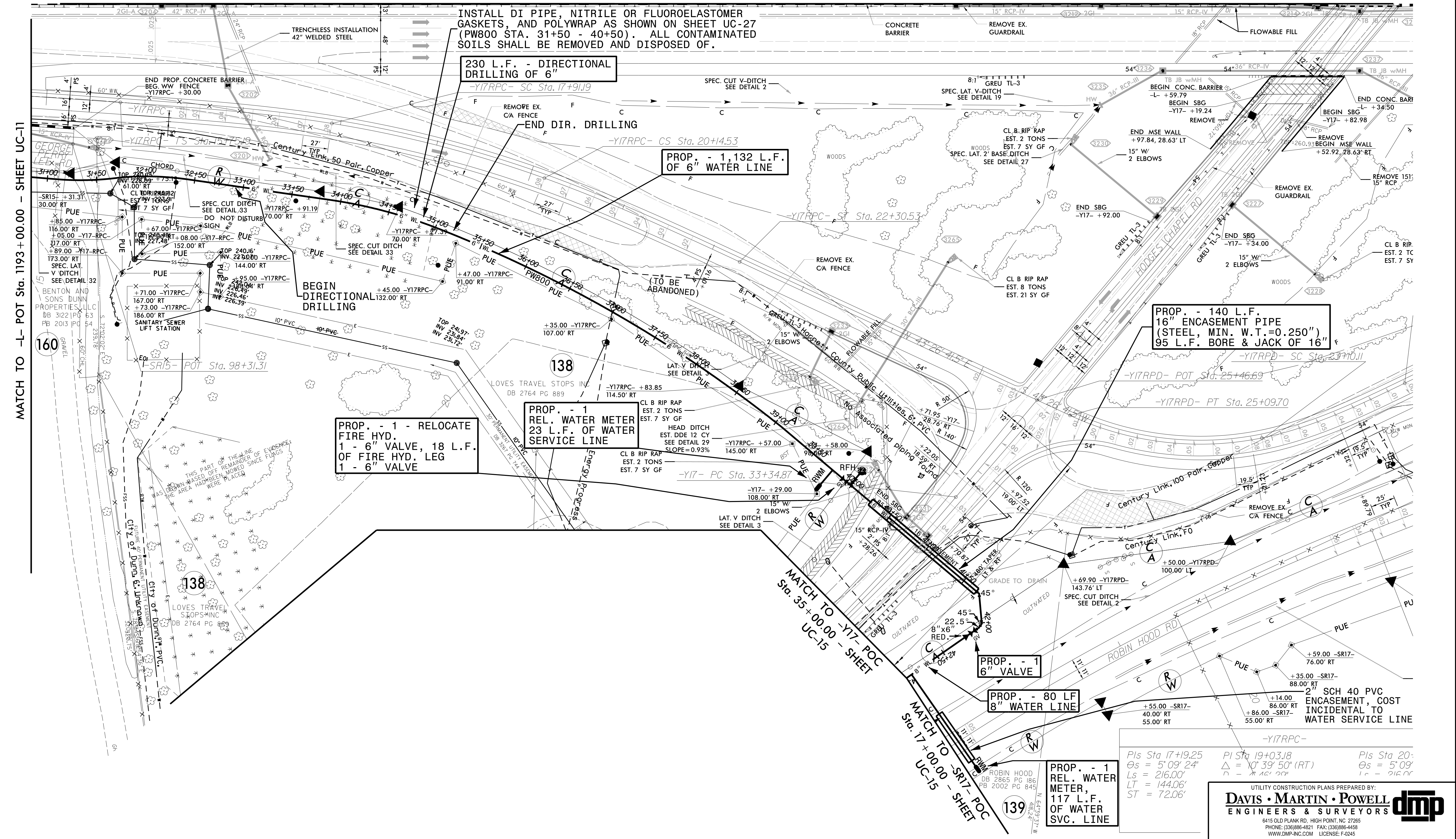


PROJECT REFERENCE NO.	SHEET NO.
I-5883	UC-12B
DESIGNED BY: DMP	
DRAWN BY: DMP	
CHECKED BY: DMP	
APPROVED BY:	
REVISED:	UTILITY CONSTRUCTION PLANS ONLY
NORTH CAROLINA DEPARTMENT OF TRANSPORTATION	
UTILITIES ENGINEERING SEC. PHONE: (919) 707-6690 FAX: (919) 250-4151	

UTILITY CONSTRUCTION

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MATCH TO -L- SHEET UC-12A



MATCH TO -L- POT Sta. 1193+00.00 - SHEET UC-11

MATCH TO -Y17- POC Sta. 35+00.00 - SHEET UC-15

MATCH TO -SR17- POC Sta. 17+00.00 - SHEET UC-15

PROP. - 1 - RELOCATE FIRE HYD.
1 - 6" VALVE, 18 L.F. OF FIRE HYD. LEG
1 - 6" VALVE

PROP. - 1 REL. WATER METER
23 L.F. OF WATER SERVICE LINE

INSTALL DI PIPE, NITRILE OR FLUOROELASTOMER GASKETS, AND POLYWRAP AS SHOWN ON SHEET UC-27 (PW800 STA. 31+50 - 40+50). ALL CONTAMINATED SOILS SHALL BE REMOVED AND DISPOSED OF.

230 L.F. - DIRECTIONAL DRILLING OF 6"

PROP. - 1,132 L.F. OF 6" WATER LINE

PROP. - 140 L.F. 16" ENCASEMENT PIPE (STEEL, MIN. W.T.=0.250")
95 L.F. BORE & JACK OF 16"

PROP. - 1 6" VALVE

PROP. - 80 LF 8" WATER LINE

PROP. - 1 REL. WATER METER, 117 L.F. OF WATER SVC. LINE

Pls Sta 17+19.25
θs = 5'09" 24"
Ls = 216.00'
LT = 144.06'
ST = 72.06'

Pls Sta 19+03.18
θs = 10'39" 50" (RT)
Ls = 161.20'

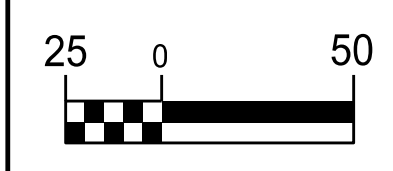
Pls Sta 20-
θs = 5'09"
Ls = 216.00'

REVISIONS

5/14/2019

5/14/2011

THE ESTIMATED QUANTITY OF D.I. WATER PIPE FITTINGS ON THIS PLAN SHEET IS 225 POUNDS. THE ACTUAL QUANTITY AND TYPE OF FITTINGS WILL VARY BASED ON FIELD CONDITIONS.



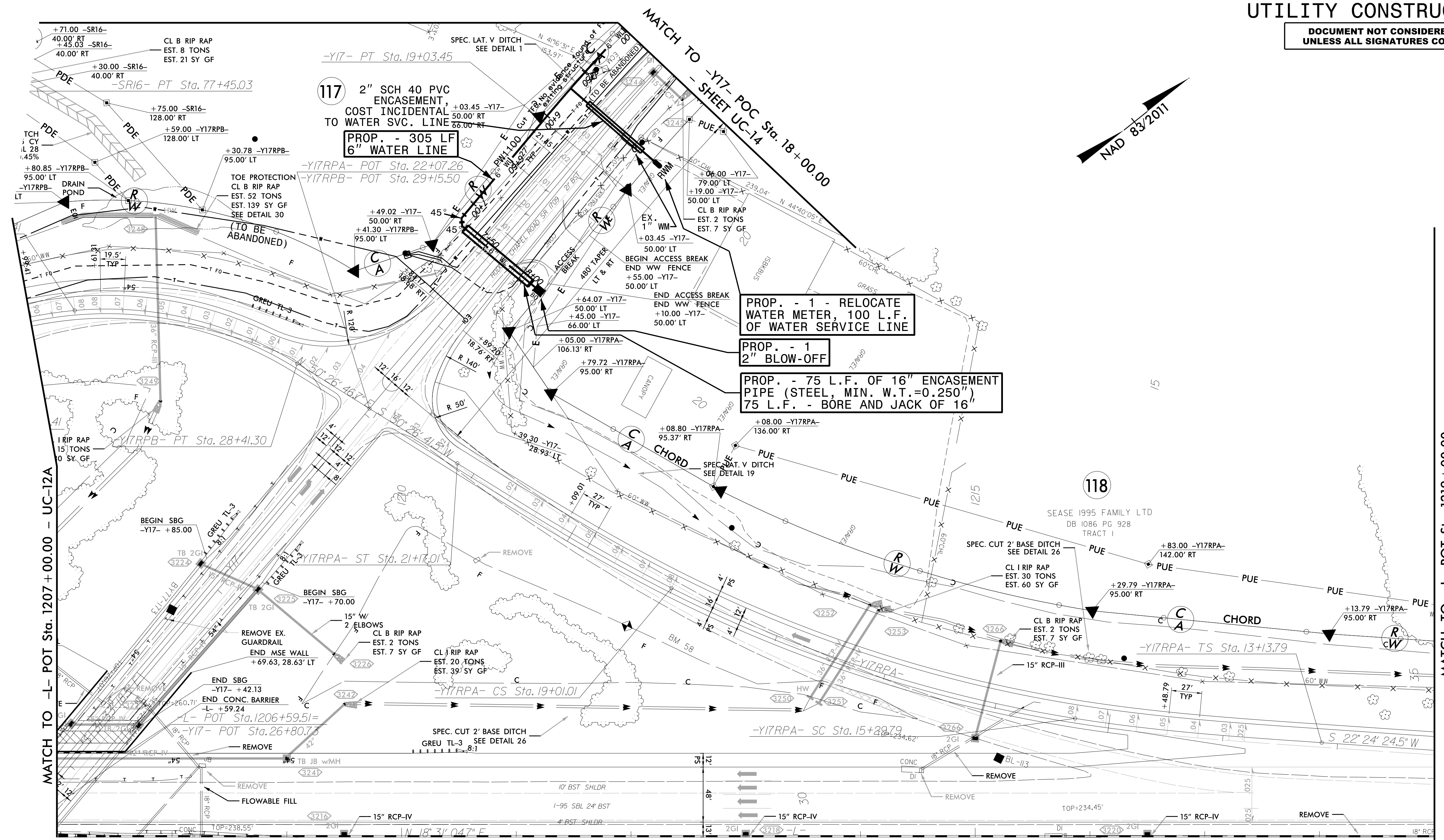
PROJECT REFERENCE NO.	SHEET NO.
I-5883	UC-12C
DESIGNED BY: DMP	
DRAWN BY: DMP	
CHECKED BY: DMP	
APPROVED BY:	
REVISED:	
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MATCH TO -L- POT Sta. 1207 + 00.00 - UC-12A

MATCH TO -L- POT Sta. 1219 + 00.00

MATCH TO -Y17- POC Sta. 18 + 00.00 - SHEET UC-14

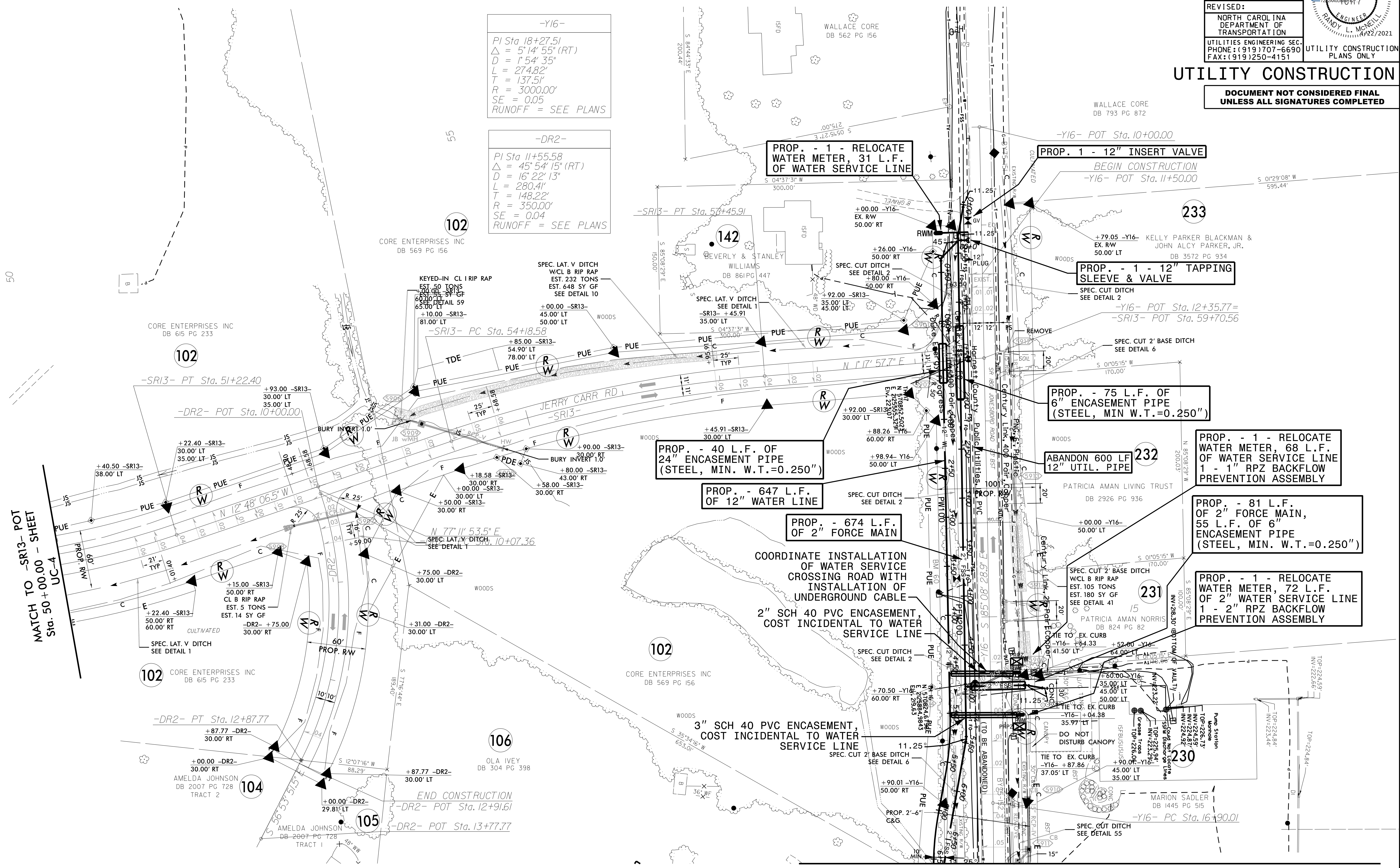
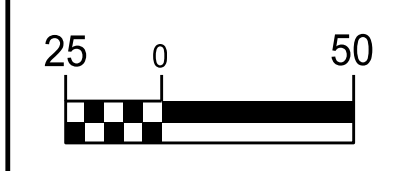
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PROJECT REFERENCE NO.	SHEET NO.
I-5883	UC-13
DESIGNED BY: DMP	
DRAWN BY: DMP	
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APPROVED BY:	
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REVISIONS

MATCH TO -SR13- POT
 Sta. 50+00.00 - SHEET
 UC-4

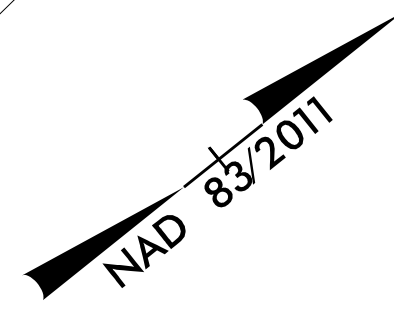
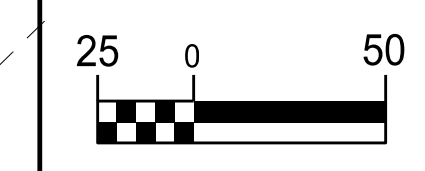
MATCH TO -Y16- POC Sta. 17+50.00 - SHEET UC-5B

THE ESTIMATED QUANTITY OF D.I. WATER PIPE FITTINGS ON THIS PLAN SHEET IS 735 POUNDS. THE ACTUAL QUANTITY AND TYPE OF FITTINGS WILL VARY BASED ON FIELD CONDITIONS.

UTILITY CONSTRUCTION PLANS PREPARED BY:

DAVIS • MARTIN • POWELL
 ENGINEERS & SURVEYORS

8415 OLD PLANK RD., HIGH POINT, NC 27265
 PHONE: (336)886-4821 FAX: (336)886-4458
 WWW.DMP-INC.COM LICENSE: P-4245



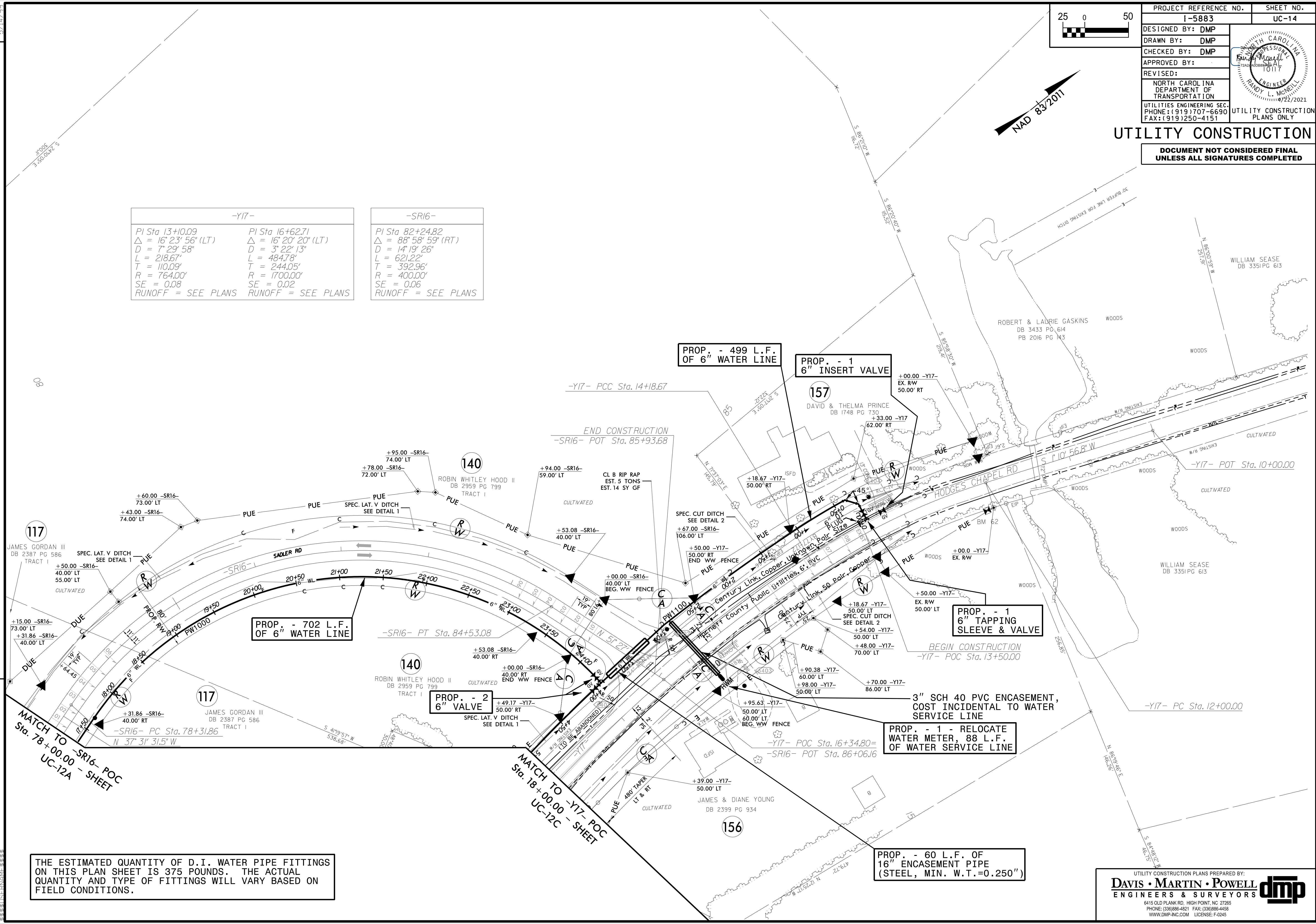
PROJECT REFERENCE NO.	SHEET NO.
I-5883	UC-14
DESIGNED BY: DMP	
DRAWN BY: DMP	
CHECKED BY: DMP	
APPROVED BY:	
REVISED:	
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UTILITY CONSTRUCTION

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-Y17-		-SR16-
PI Sta 13+10.09	PI Sta 16+62.71	PI Sta 82+24.82
$\Delta = 16^{\circ} 23' 56"$ (LT)	$\Delta = 16^{\circ} 20' 20"$ (LT)	$\Delta = 88^{\circ} 58' 59"$ (RT)
D = 7' 29' 58"	D = 3' 22' 13"	D = 14' 19' 26"
L = 218.67'	L = 484.78'	L = 621.22'
T = 110.09'	T = 244.05'	T = 392.96'
R = 764.00'	R = 1700.00'	R = 400.00'
SE = 0.08	SE = 0.02	SE = 0.06
RUNOFF = SEE PLANS	RUNOFF = SEE PLANS	RUNOFF = SEE PLANS

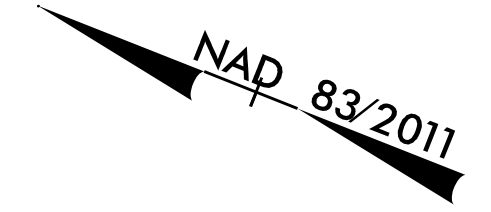
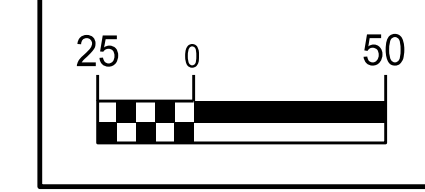
REVISIONS



THE ESTIMATED QUANTITY OF D.I. WATER PIPE FITTINGS ON THIS PLAN SHEET IS 375 POUNDS. THE ACTUAL QUANTITY AND TYPE OF FITTINGS WILL VARY BASED ON FIELD CONDITIONS.

PROP. - 60 L.F. OF 16" ENCASEMENT PIPE (STEEL, MIN. W.T.=0.250")

5/14/2019



PROJECT REFERENCE NO.	SHEET NO.
I-5883	UC-15
DESIGNED BY: DMP	
DRAWN BY: DMP	
CHECKED BY: DMP	
APPROVED BY:	
REVISED:	
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UTILITY CONSTRUCTION

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-SR17-

PI Sta 13+90.18	PI Sta 18+33.27
$\Delta = 90^{\circ} 00' 00.0''$ (LT)	$\Delta = 17^{\circ} 15' 19.8''$ (RT)
D = 47' 44' 47.3"	D = 2' 27' 32.6"
L = 188.50'	L = 701.72'
T = 120.00'	T = 353.53'
R = 120.00'	R = 2330.00'
SE = 0.04	SE = 0.04
RUNOFF = SEE PLANS	RUNOFF = SEE PLANS

-Y17-

PI Sta 35+08.75
$\Delta = 11^{\circ} 32' 4''$ (RT)
D = 3' 19' 52"
L = 346.57'
T = 173.87'
R = 1720.00'
SE = 0.04
RUNOFF = SEE PLANS

140

ROBIN WHITLEY HOOD II
DB 2959 PG 799
TRACT 3

139

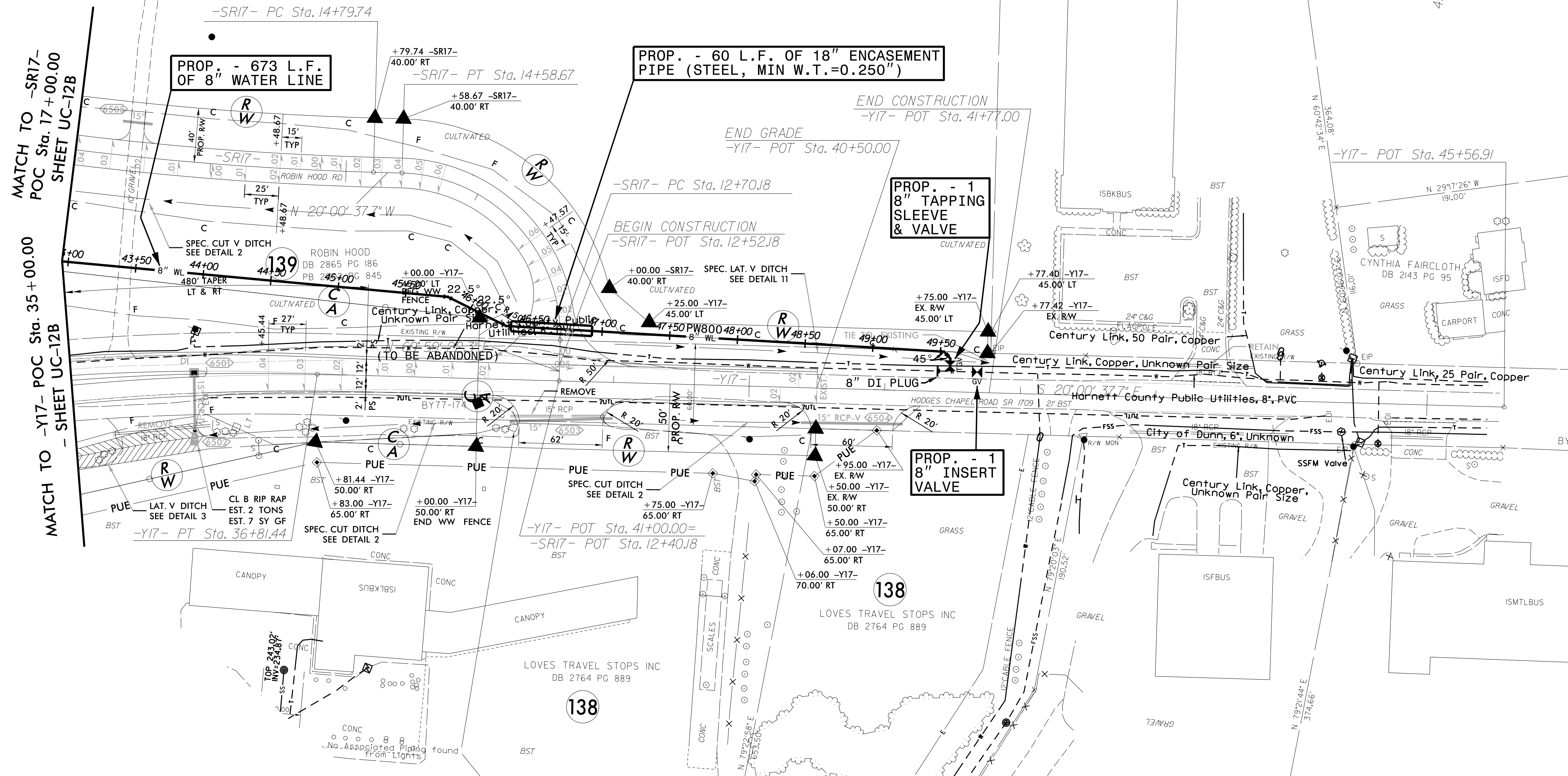
ROBIN HOOD
DB 2865 PG 186
PB 2002 PG 845

239

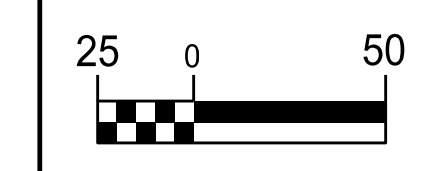
PARTNER PROPERTIES LLC
DB 2188 PG 458

NO CLAIM

REVISIONS



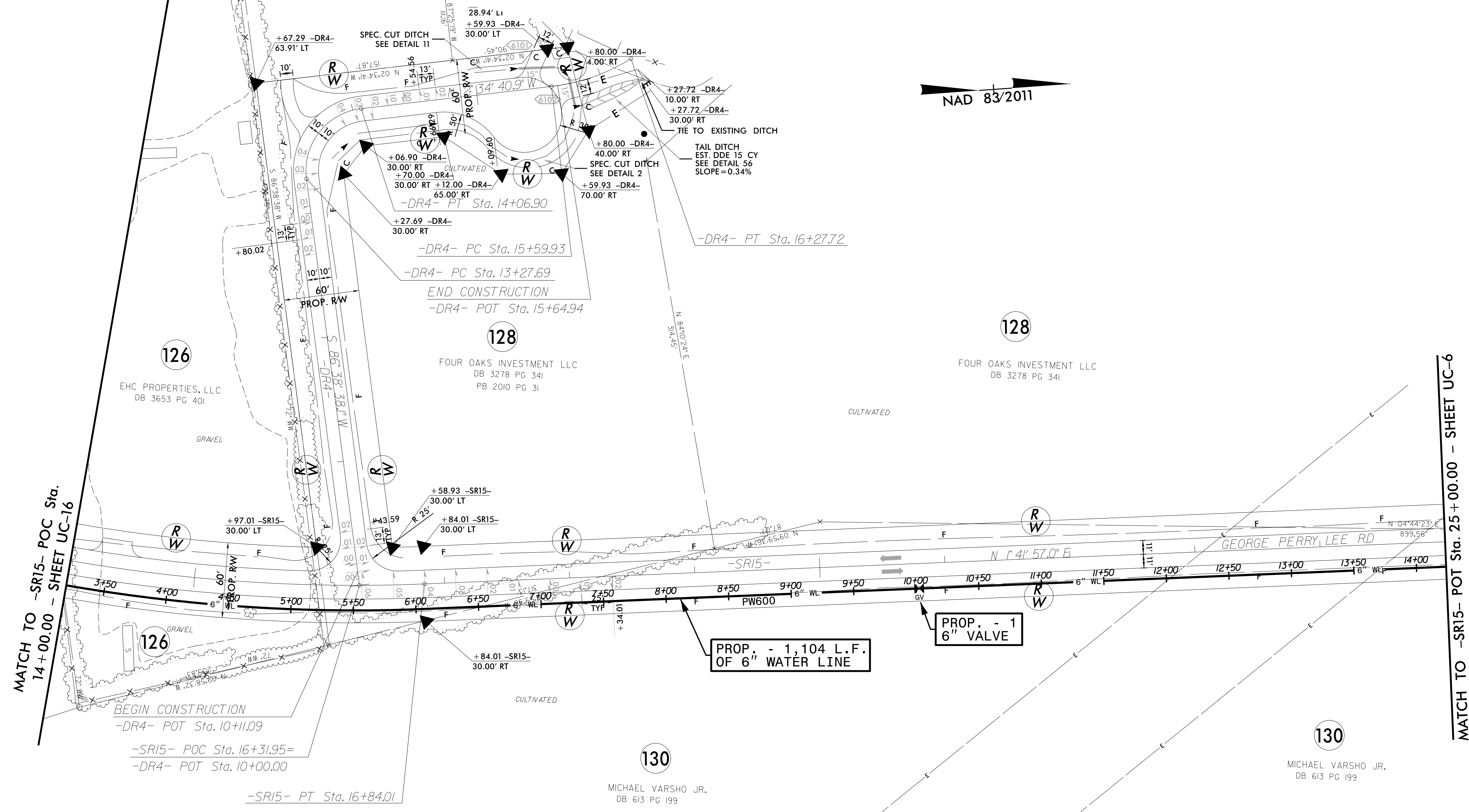
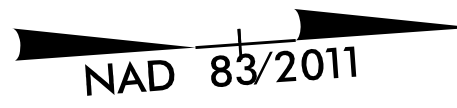
THE ESTIMATED QUANTITY OF D.I. WATER PIPE FITTINGS ON THIS PLAN SHEET IS 485 POUNDS. THE ACTUAL QUANTITY AND TYPE OF FITTINGS WILL VARY BASED ON FIELD CONDITIONS.



PROJECT REFERENCE NO.	SHEET NO.
I-5883	UC-17
DESIGNED BY: DMP	
DRAWN BY: DMP	
CHECKED BY: DMP	
APPROVED BY:	
REVISED:	
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UTILITY CONSTRUCTION

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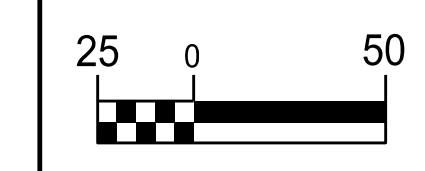
MATCH TO -SR15- POC Sta. 14+00.00 - SHEET UC-16

MATCH TO -SR15- POT Sta. 25+00.00 - SHEET UC-6

-SR15-		-DR4-	
PI Sta 14+63.39	$\Delta = 19' 11" 24" (LT)$	PI Sta 13+78.37	$\Delta = 90' 46' 4" (RT)$
D = 4' 18' 29"	L = 445.45'	PI Sta 15+94.38	$\Delta = 25' 13' 17" (LT)$
T = 224.83'	R = 1330.00'	D = 114' 35' 30"	D = 37' 12' 18"
SE = 0.06		L = 79.22'	L = 67.79'
		T = 50.68'	T = 34.45'
		R = 50.00'	R = 154.00'
		SE = 0.04	SE = NC

REVISIONS

5/14/2011



PROJECT REFERENCE NO.	SHEET NO.
I-5883	UC-18
DESIGNED BY: DMP	
DRAWN BY: DMP	
CHECKED BY: DMP	
APPROVED BY:	
REVISED:	
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UTILITY CONSTRUCTION

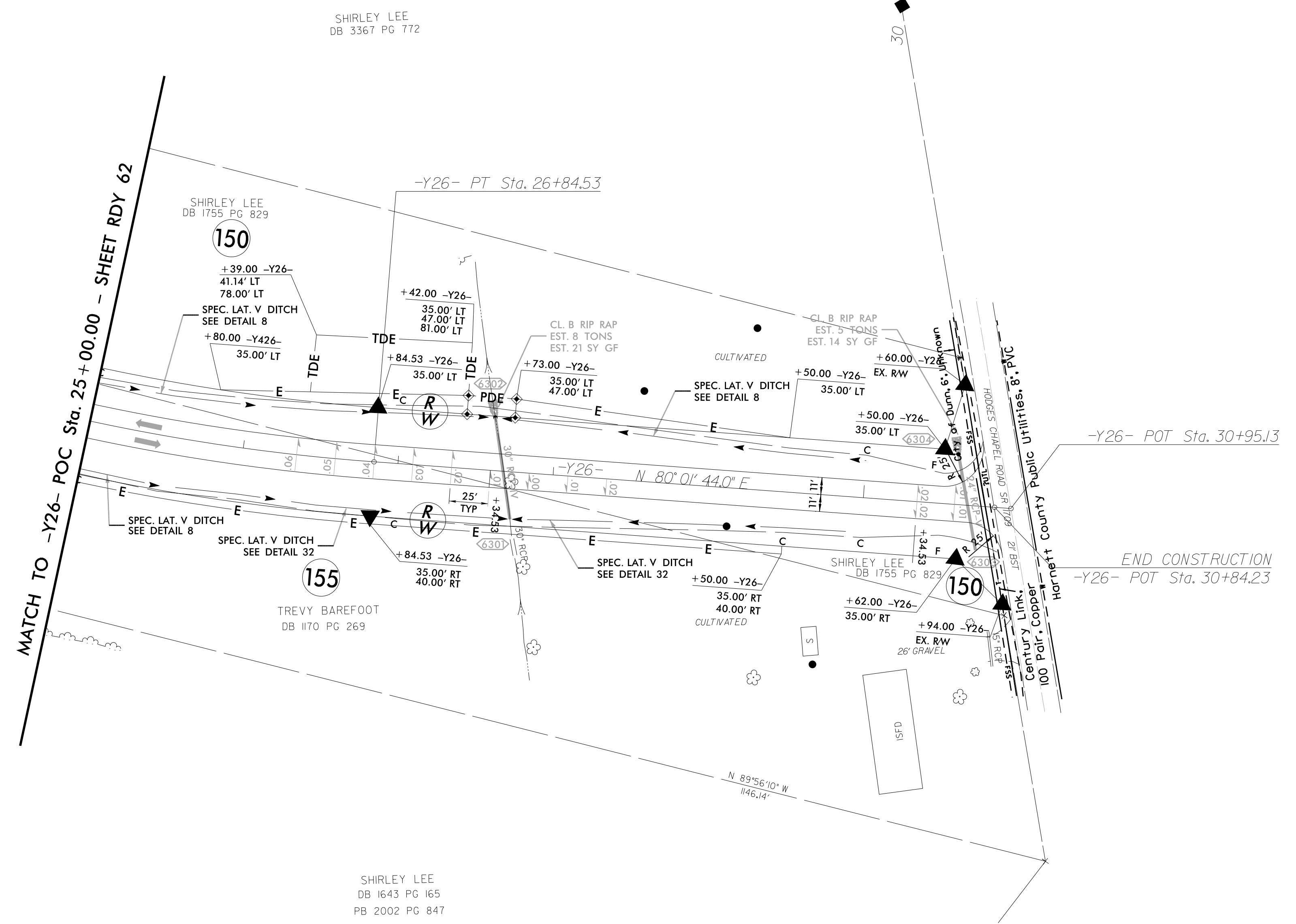
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-Y26-

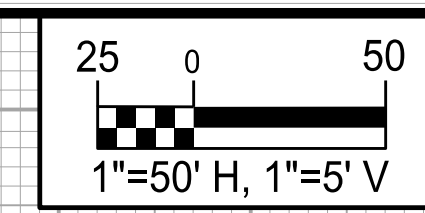
PI Sta. 23+33.90
 $\Delta = 30^{\circ} 59' 19''$ (LT)
 $D = 4' 18'' 29''$
 $L = 719.33'$
 $T = 368.70'$
 $R = 1330.00'$
 $SE = 0.06$

REVISIONS



THIS SHEET IS FOR INFORMATIONAL PURPOSES ONLY. NO WATER OR SEWER CONFLICTS ARE ANTICIPATED ON THIS SHEET.

5/14/99

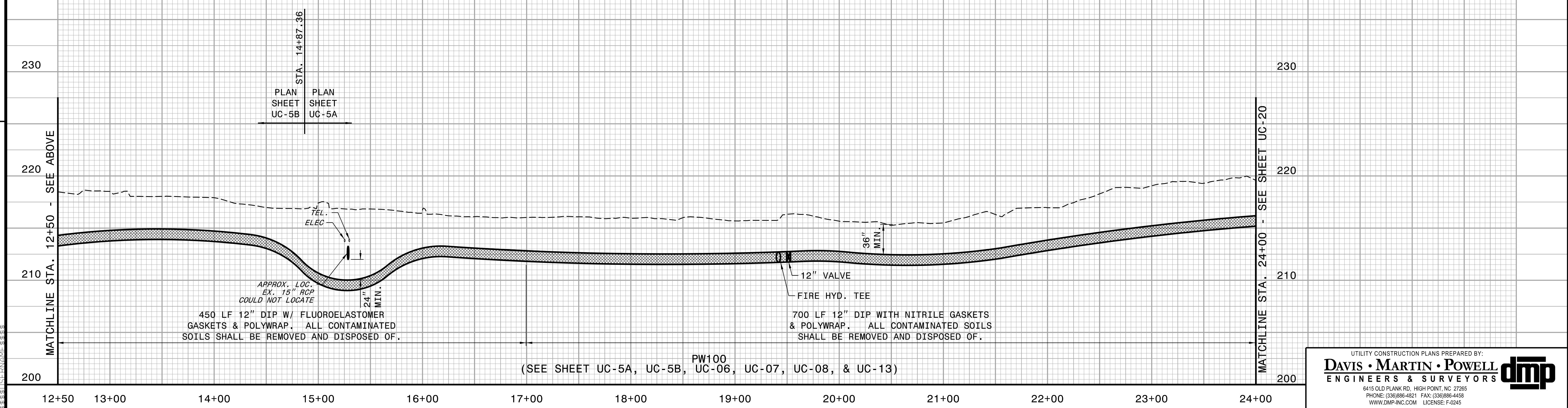
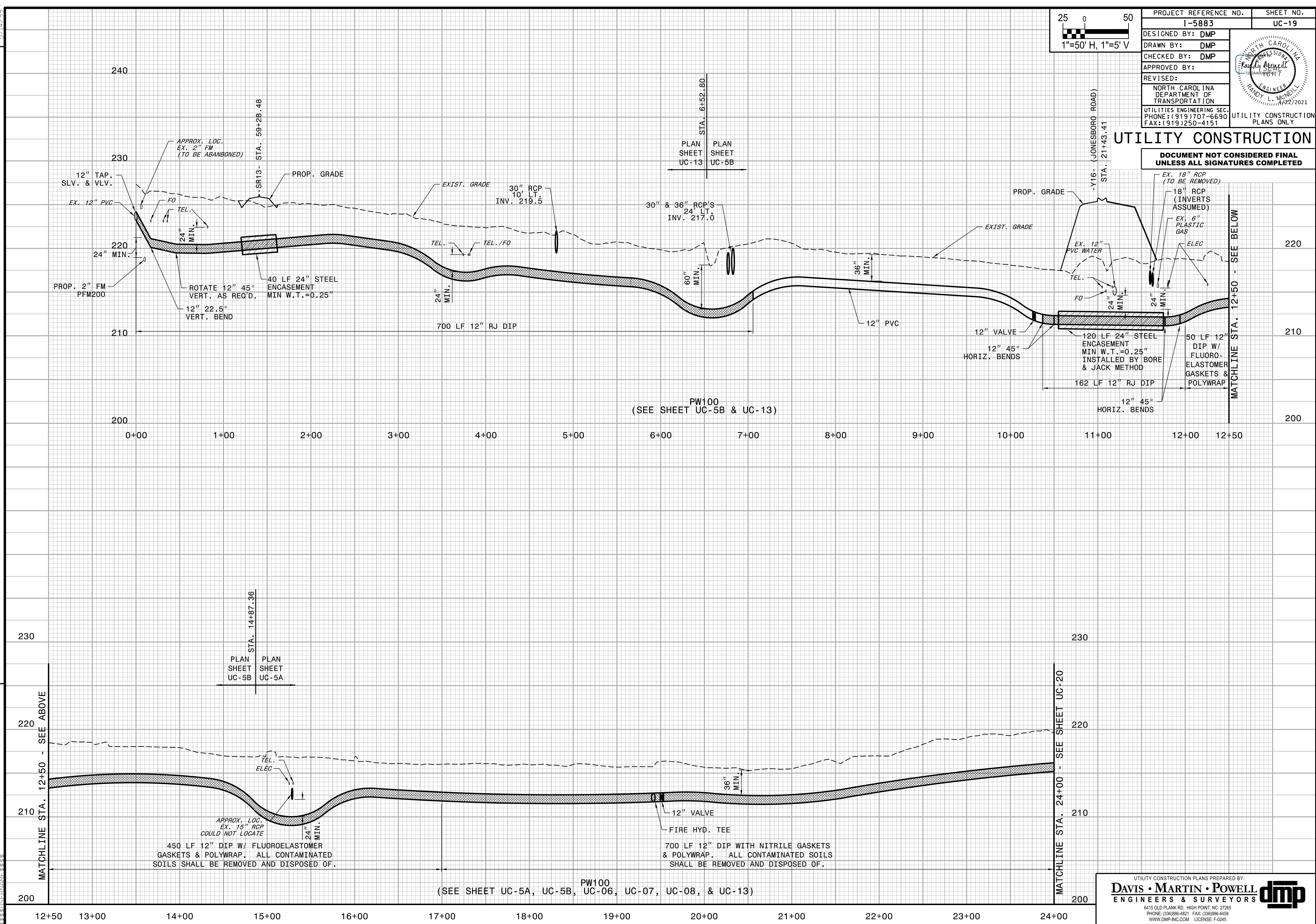


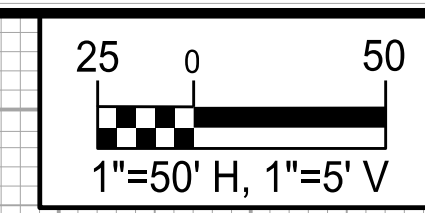
PROJECT REFERENCE NO. I-5883	SHEET NO. UC-19
DESIGNED BY: DMP	
DRAWN BY: DMP	
CHECKED BY: DMP	
APPROVED BY:	
REVISED:	
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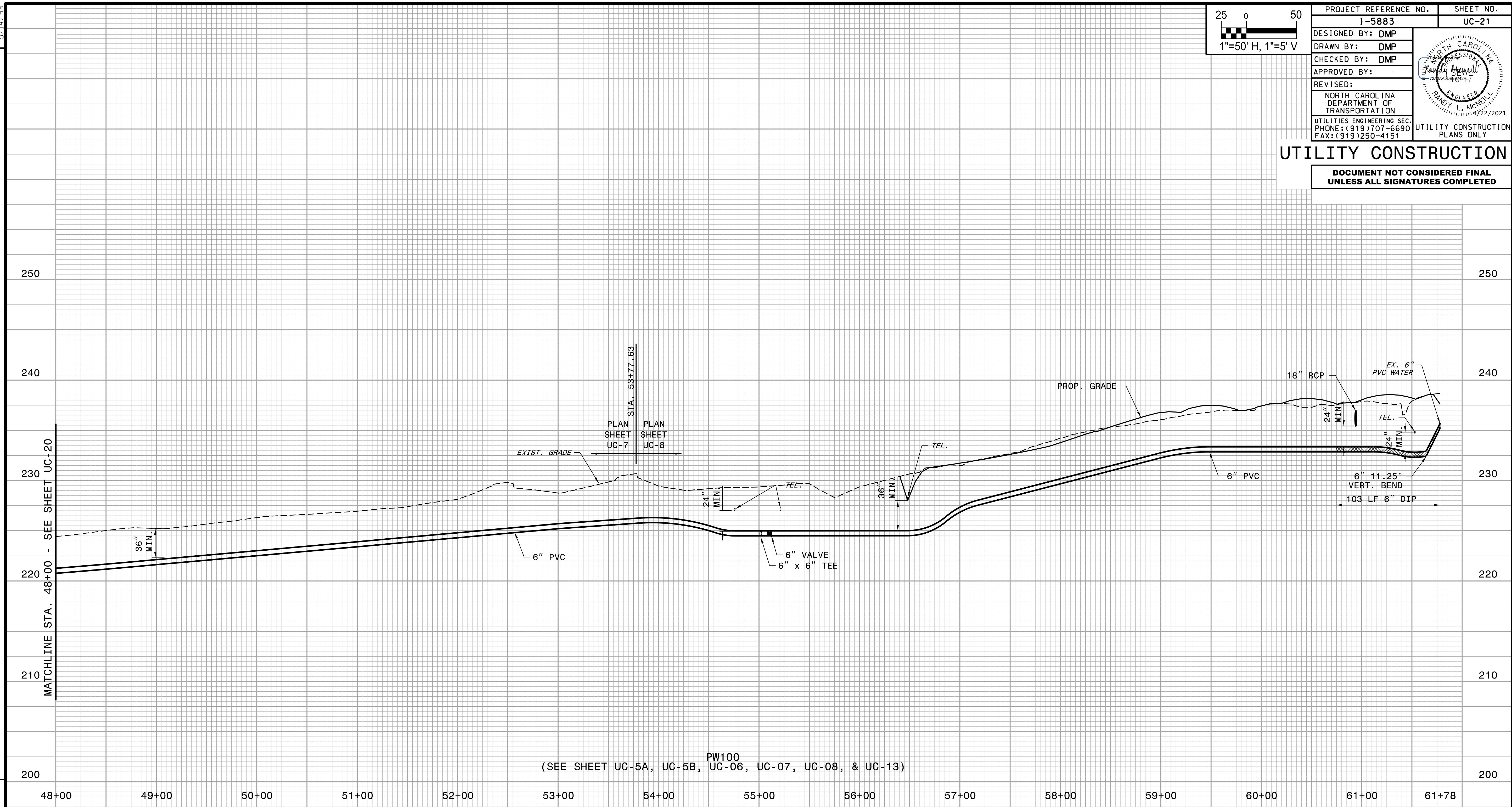


PROJECT REFERENCE NO. I-5883	SHEET NO. UC-21
DESIGNED BY: DMP	
DRAWN BY: DMP	
CHECKED BY: DMP	
APPROVED BY:	
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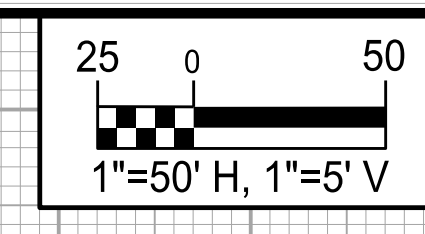
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REVISIONS



5/14/99
UC-21
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5/14/99

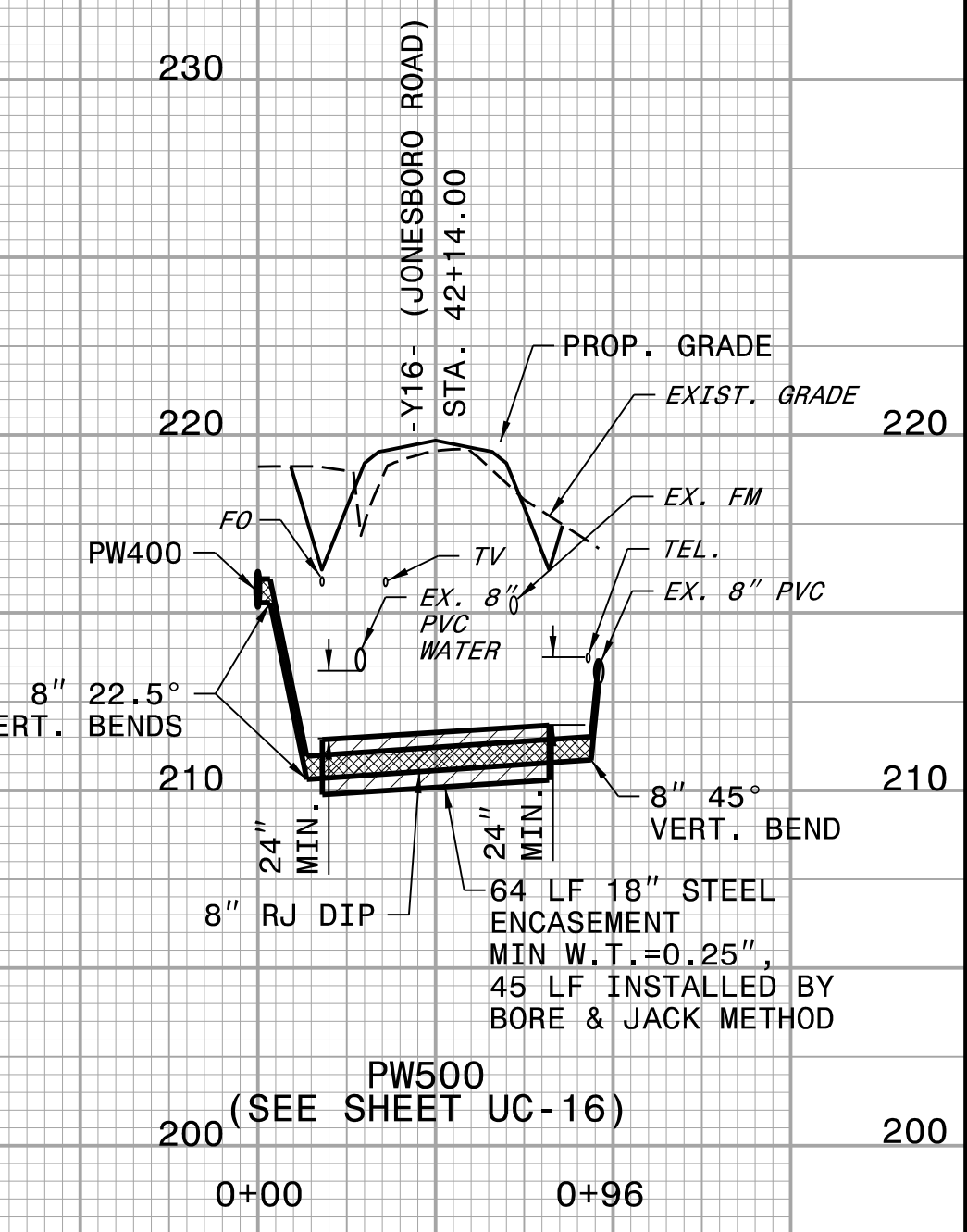
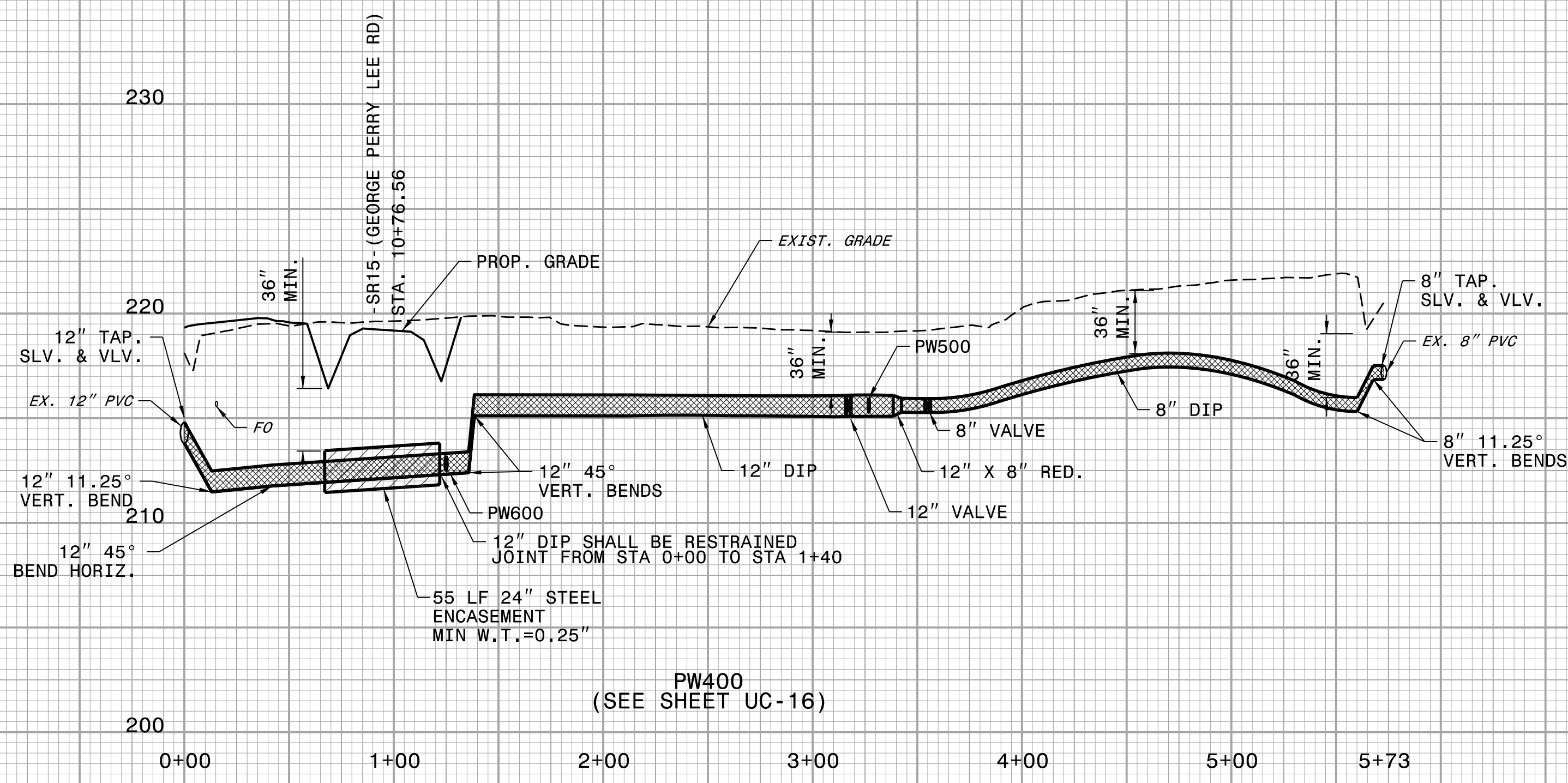
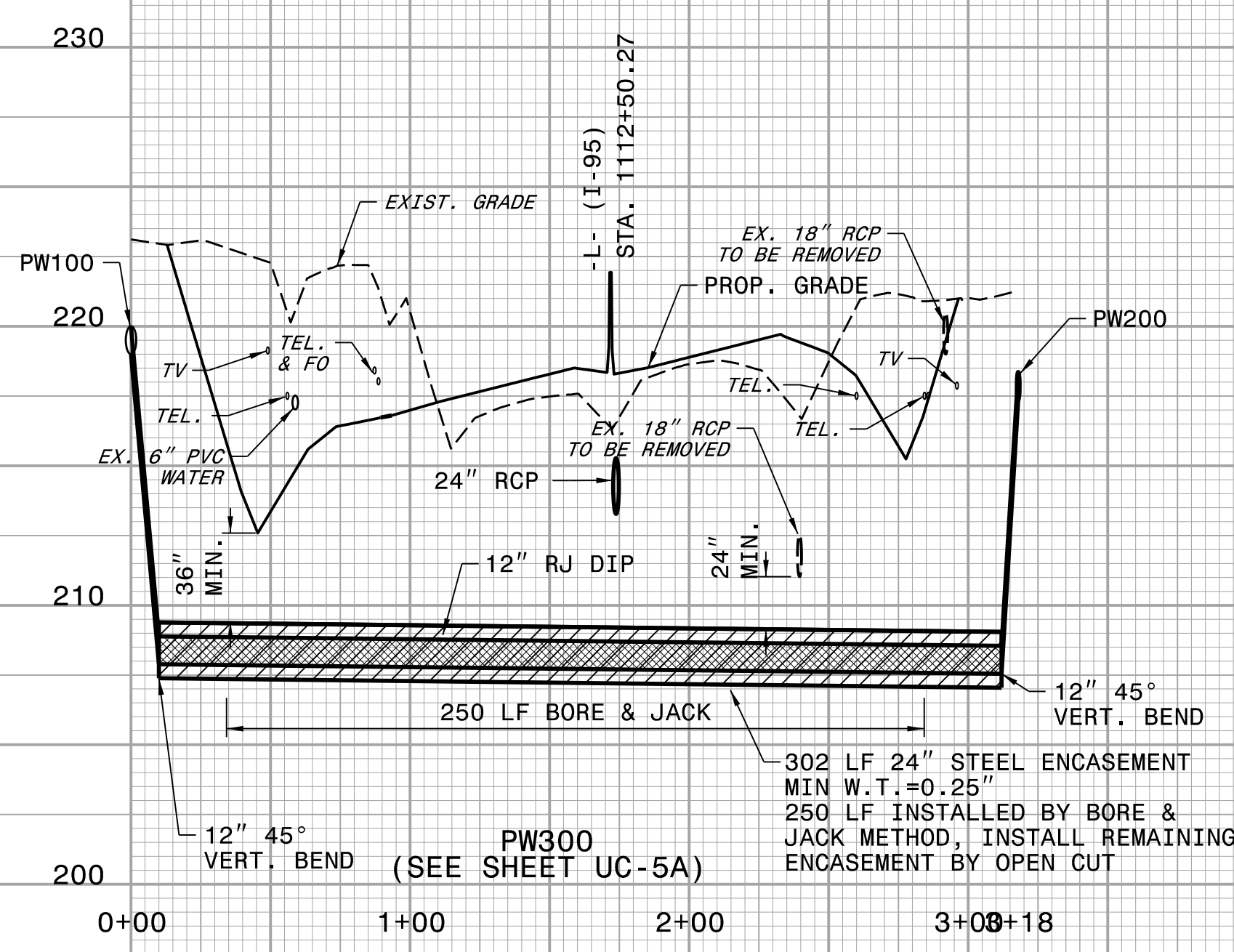
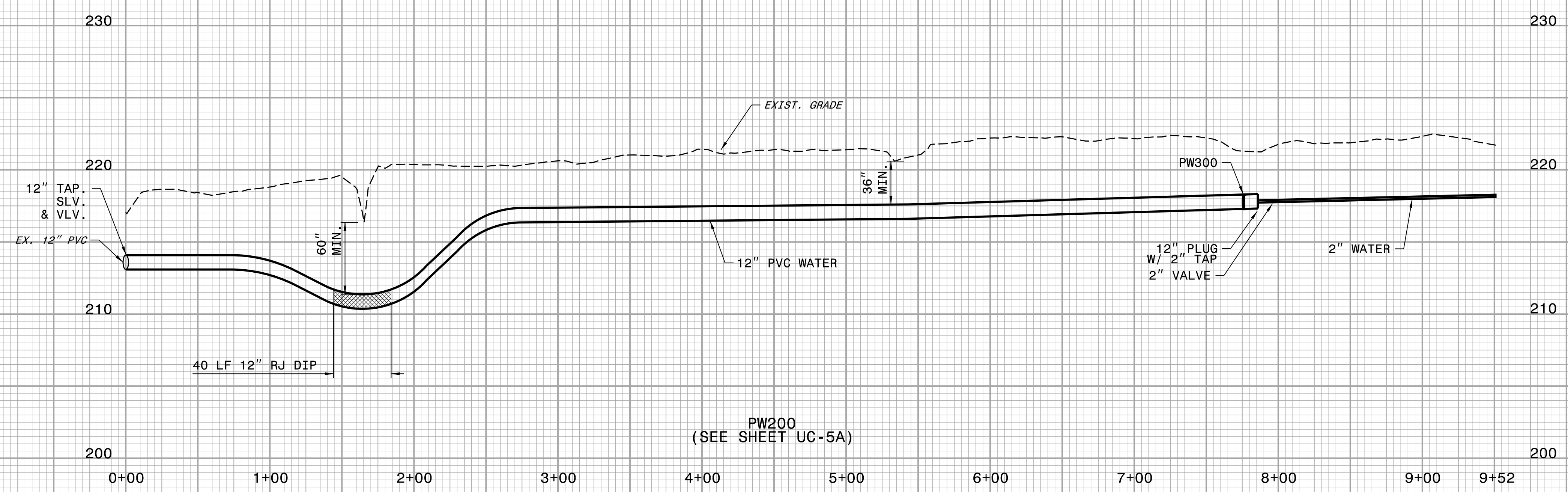


PROJECT REFERENCE NO. I-5883	SHEET NO. UC-22
DESIGNED BY: DMP	
DRAWN BY: DMP	
CHECKED BY: DMP	
APPROVED BY:	
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NORTH CAROLINA DEPARTMENT OF TRANSPORTATION	
UTILITIES ENGINEERING SEC. PHONE: (919) 707-6690 FAX: (919) 250-4151	UTILITY CONSTRUCTION PLANS ONLY

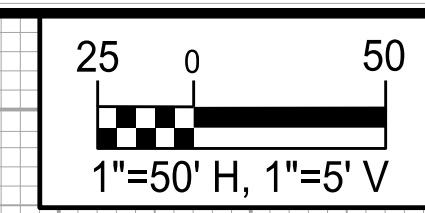
UTILITY CONSTRUCTION

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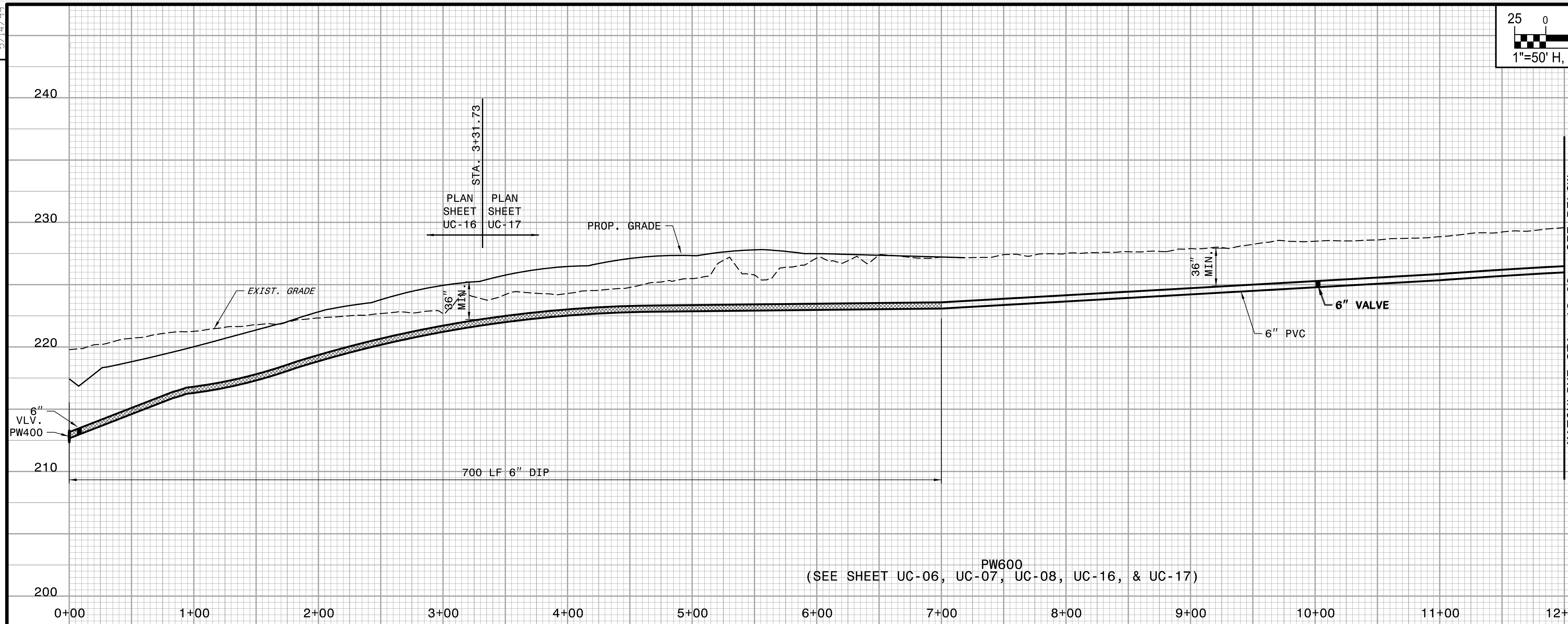


PROJECT REFERENCE NO. I-5883	SHEET NO. UC-23
DESIGNED BY: DMP	
DRAWN BY: DMP	
CHECKED BY: DMP	
APPROVED BY:	
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UTILITIES ENGINEERING SEC. PHONE: (919) 707-6690 FAX: (919) 250-4151	UTILITY CONSTRUCTION PLANS ONLY

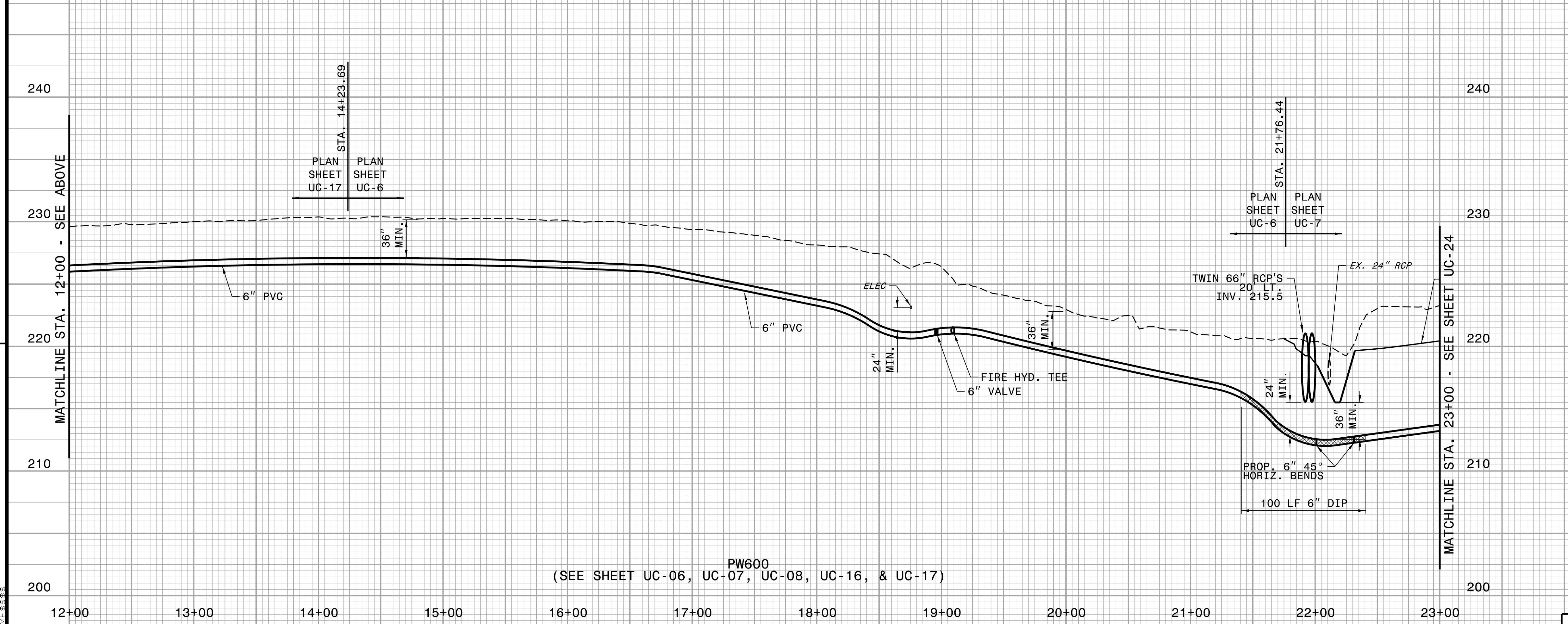
UTILITY CONSTRUCTION

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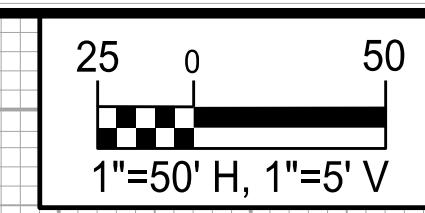


PW600
(SEE SHEET UC-06, UC-07, UC-08, UC-16, & UC-17)



PW600
(SEE SHEET UC-06, UC-07, UC-08, UC-16, & UC-17)

5/14/99

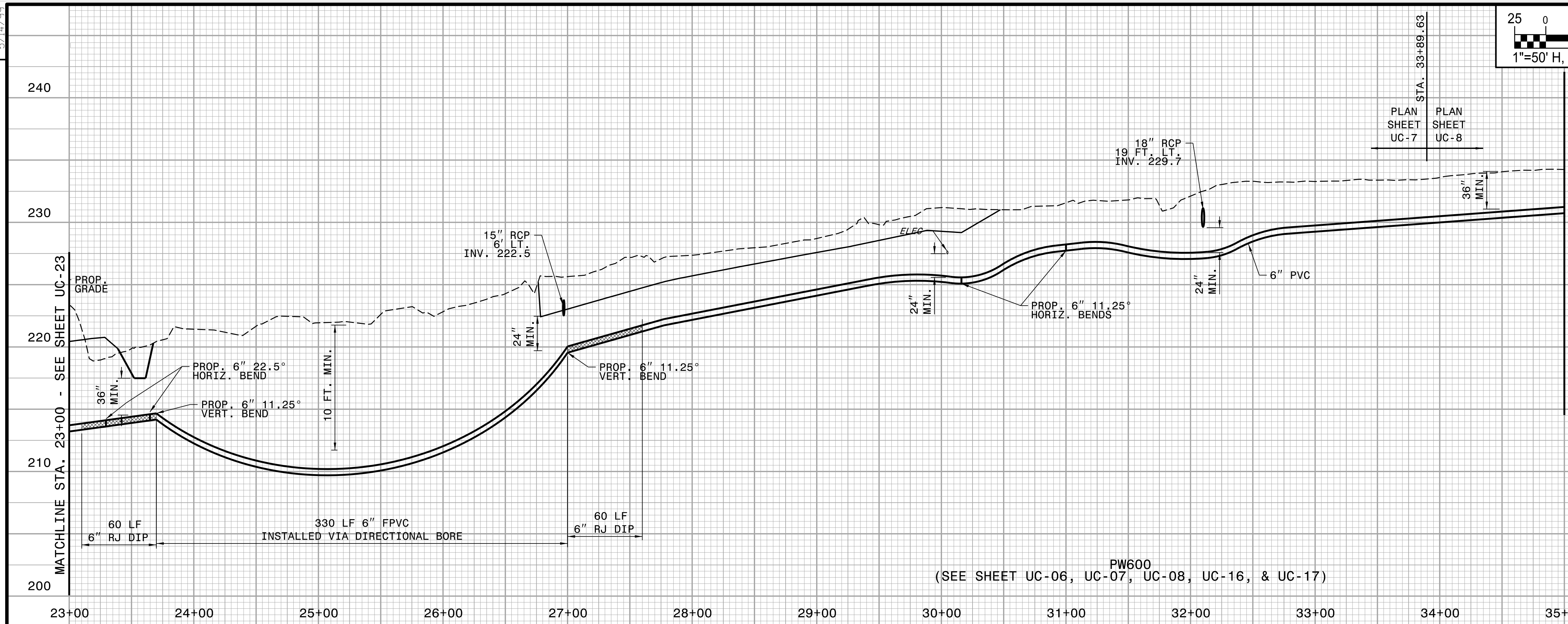


PROJECT REFERENCE NO. I-5883	SHEET NO. UC-24
DESIGNED BY: DMP	
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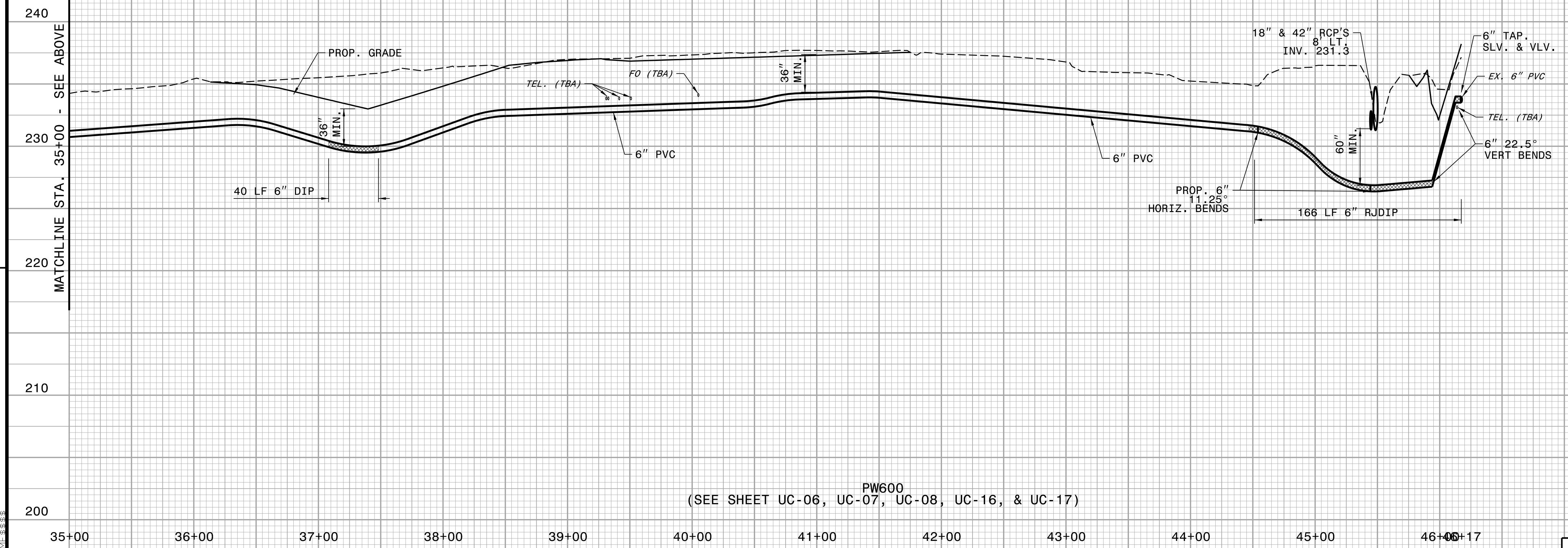
UTILITY CONSTRUCTION

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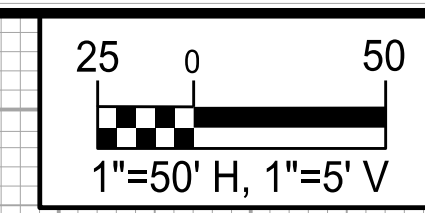


PW600
(SEE SHEET UC-06, UC-07, UC-08, UC-16, & UC-17)



PW600
(SEE SHEET UC-06, UC-07, UC-08, UC-16, & UC-17)

5/14/99

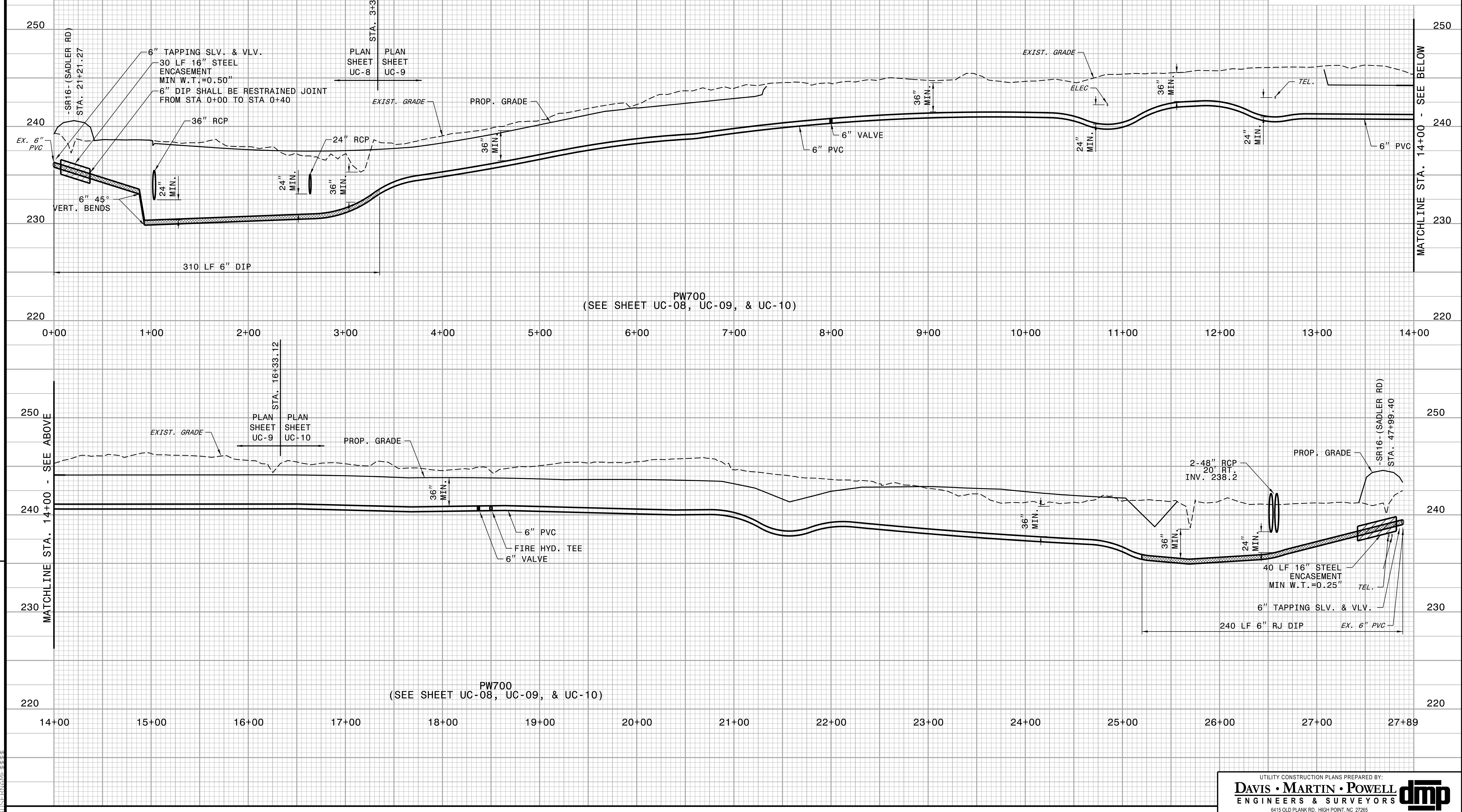


PROJECT REFERENCE NO. I-5883	SHEET NO. UC-25
DESIGNED BY: DMP	
DRAWN BY: DMP	
CHECKED BY: DMP	
APPROVED BY:	
REVISED:	
NORTH CAROLINA DEPARTMENT OF TRANSPORTATION	
UTILITIES ENGINEERING SEC. PHONE: (919) 707-6690 FAX: (919) 250-4151	UTILITY CONSTRUCTION PLANS ONLY

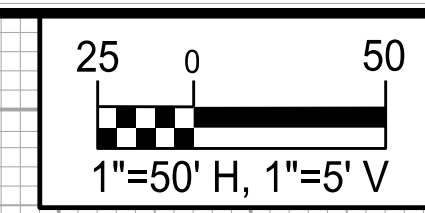
UTILITY CONSTRUCTION

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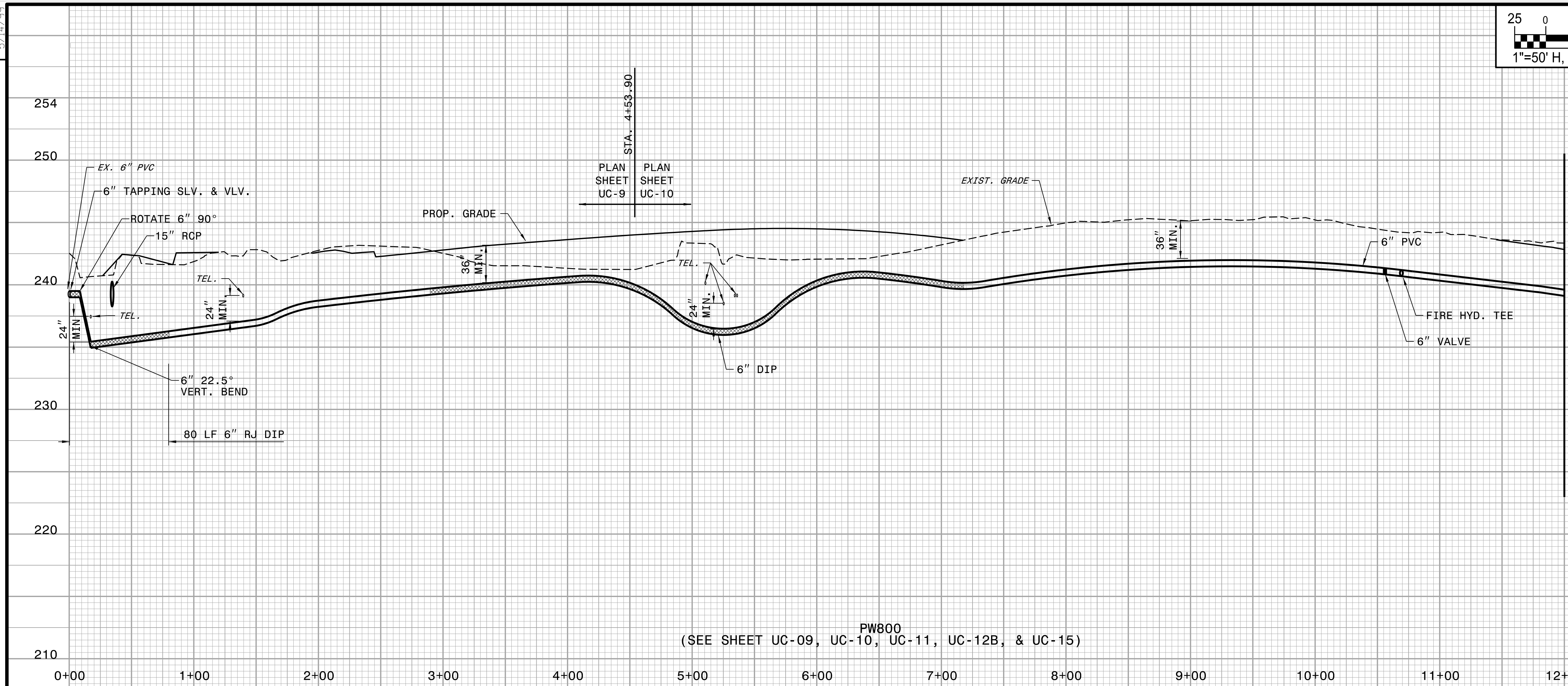


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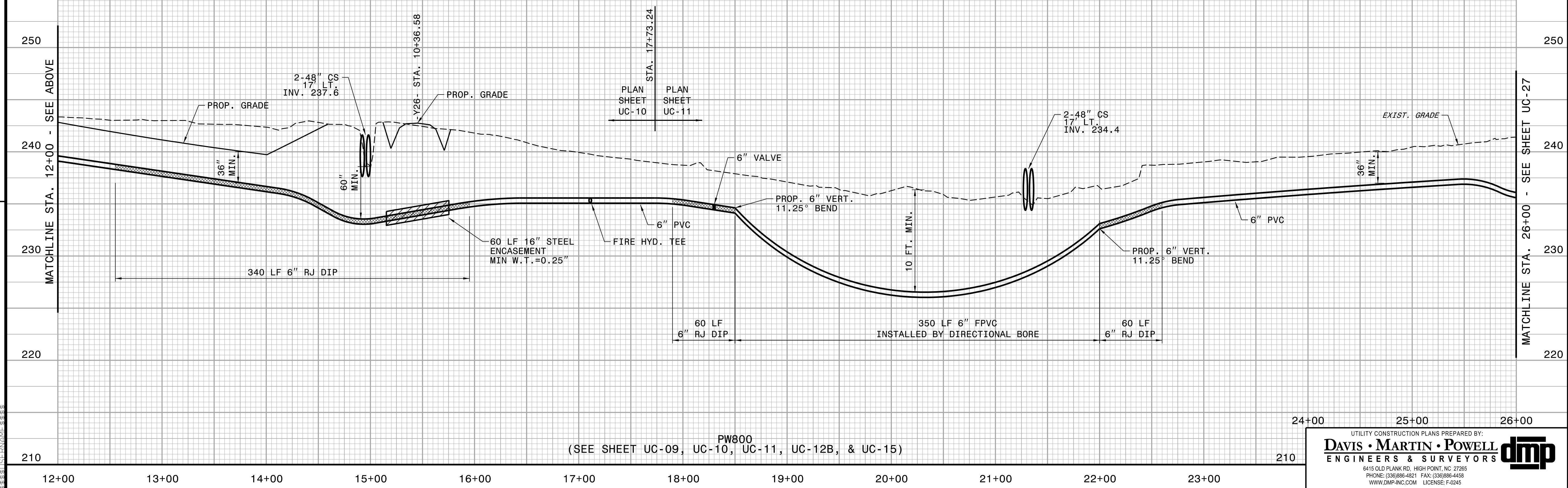
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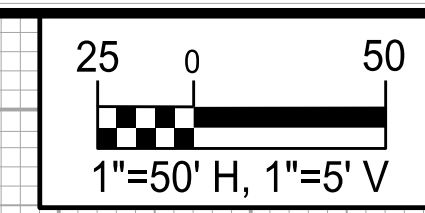
PW800
(SEE SHEET UC-09, UC-10, UC-11, UC-12B, & UC-15)



PW800
(SEE SHEET UC-09, UC-10, UC-11, UC-12B, & UC-15)

UTILITY CONSTRUCTION PLANS PREPARED BY:
DAVIS • MARTIN • POWELL
 ENGINEERS & SURVEYORS

6415 OLD PLANK RD., HIGH POINT, NC 27265
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 WWW.DMP-INC.COM LICENSE: F-0245

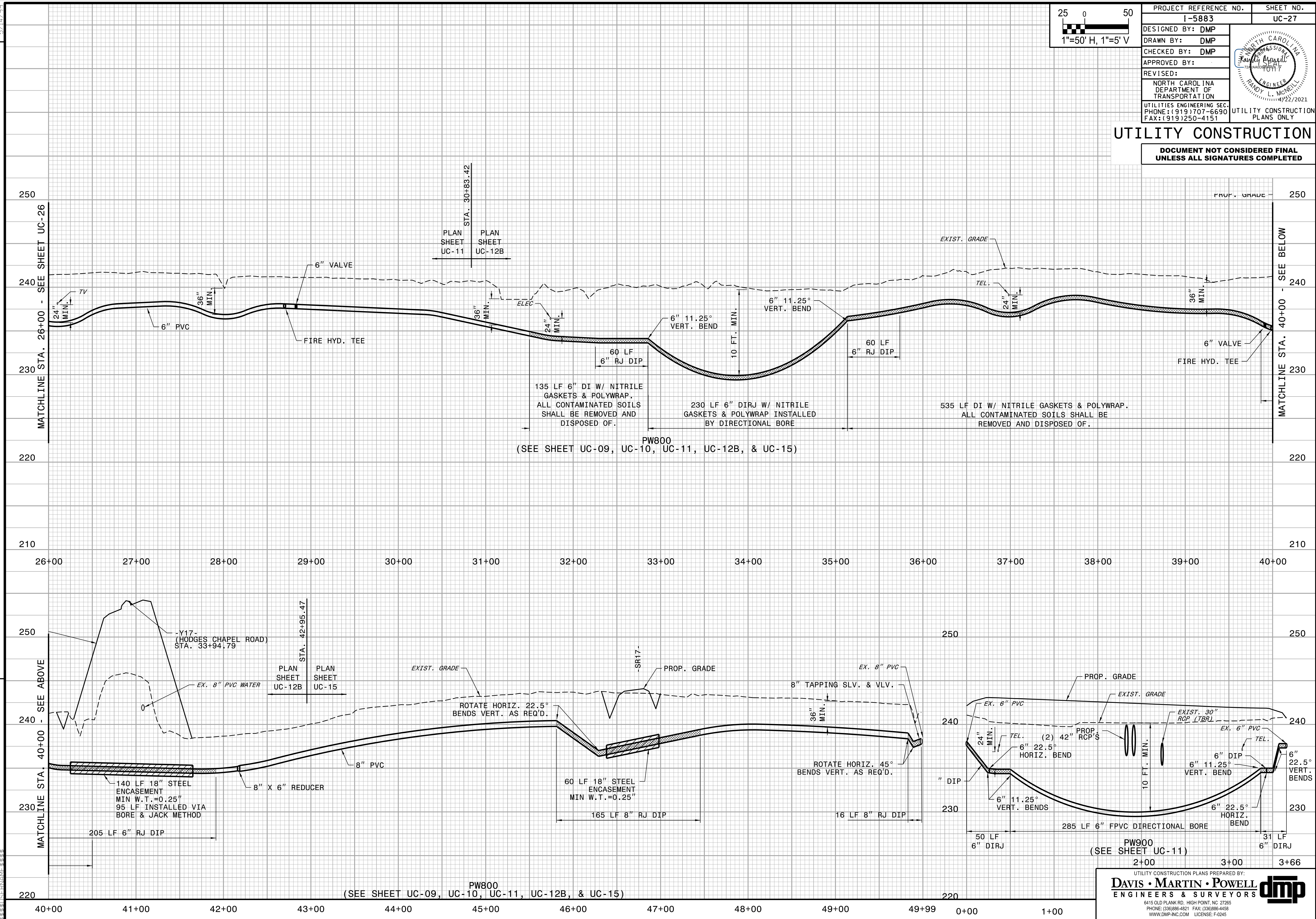


PROJECT REFERENCE NO.	SHEET NO.
I-5883	UC-27
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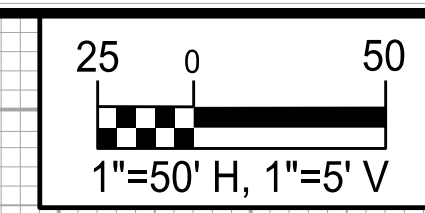
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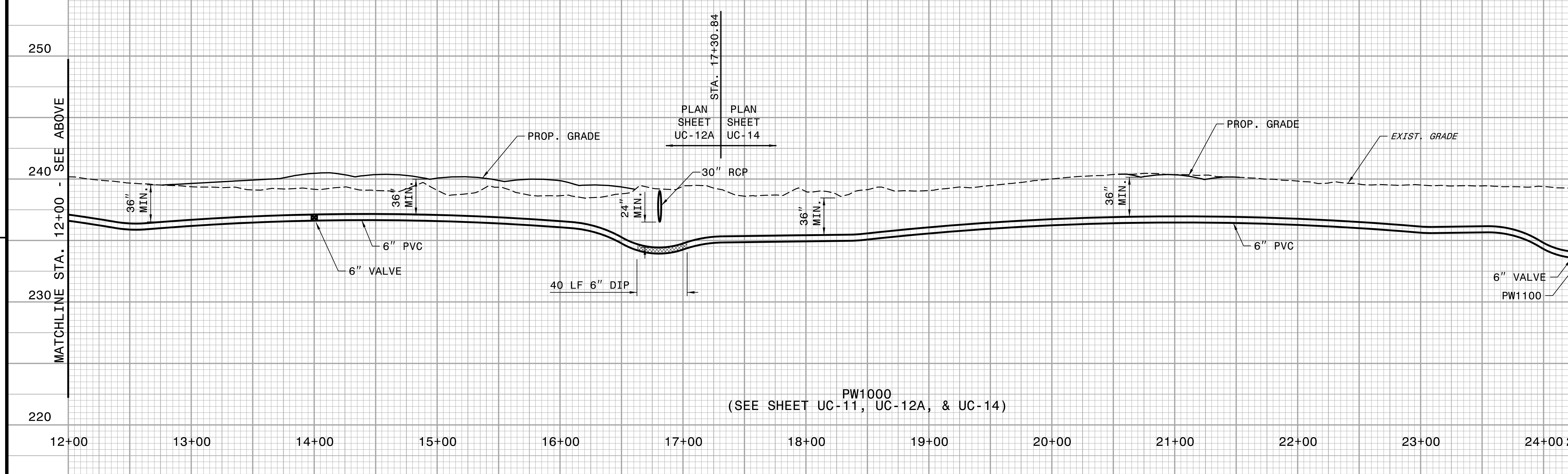
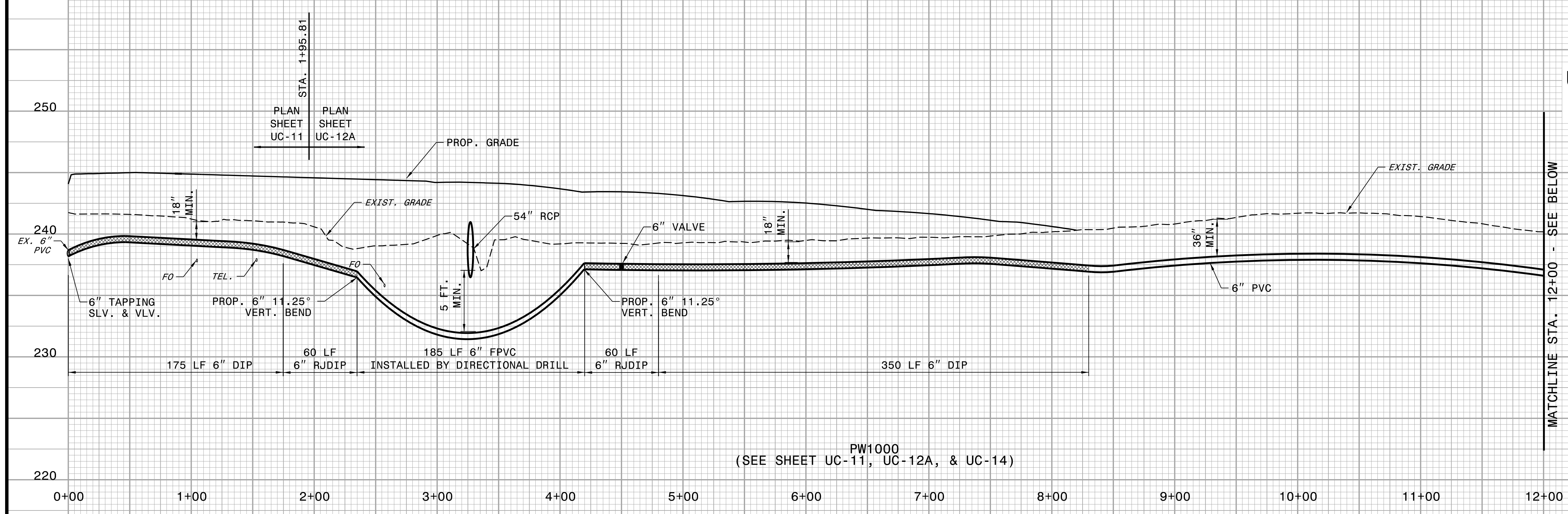


PROJECT REFERENCE NO. I-5883	SHEET NO. UC-28
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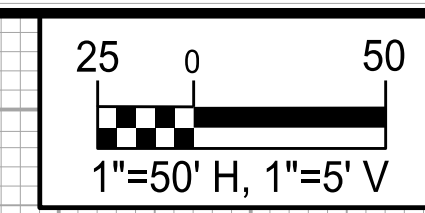
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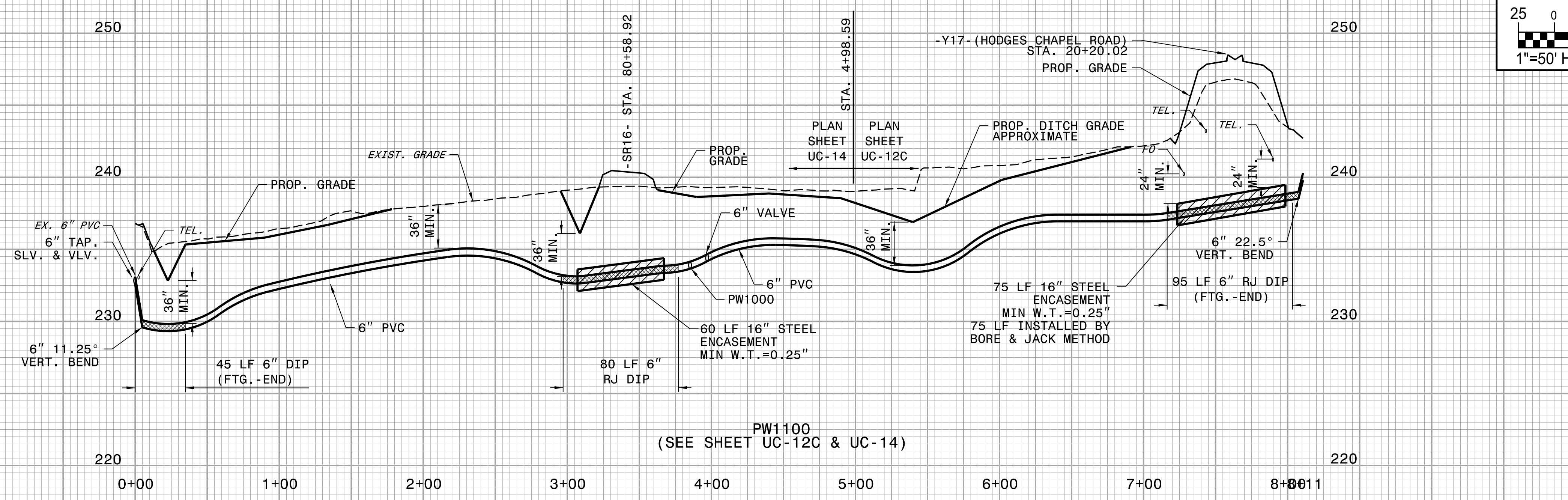


PROJECT REFERENCE NO.	SHEET NO.
I-5883	UC-29
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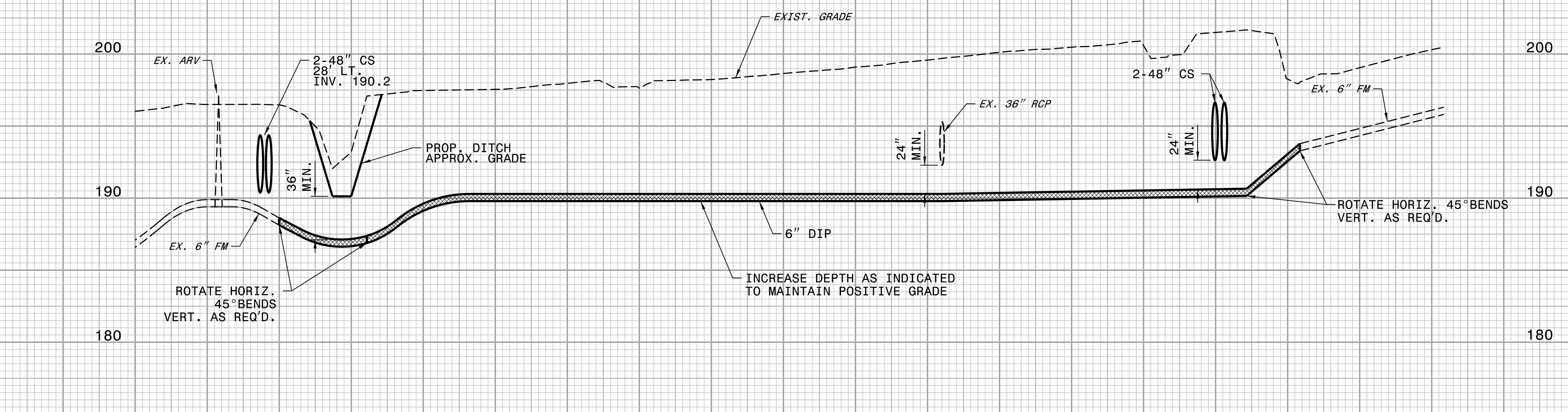
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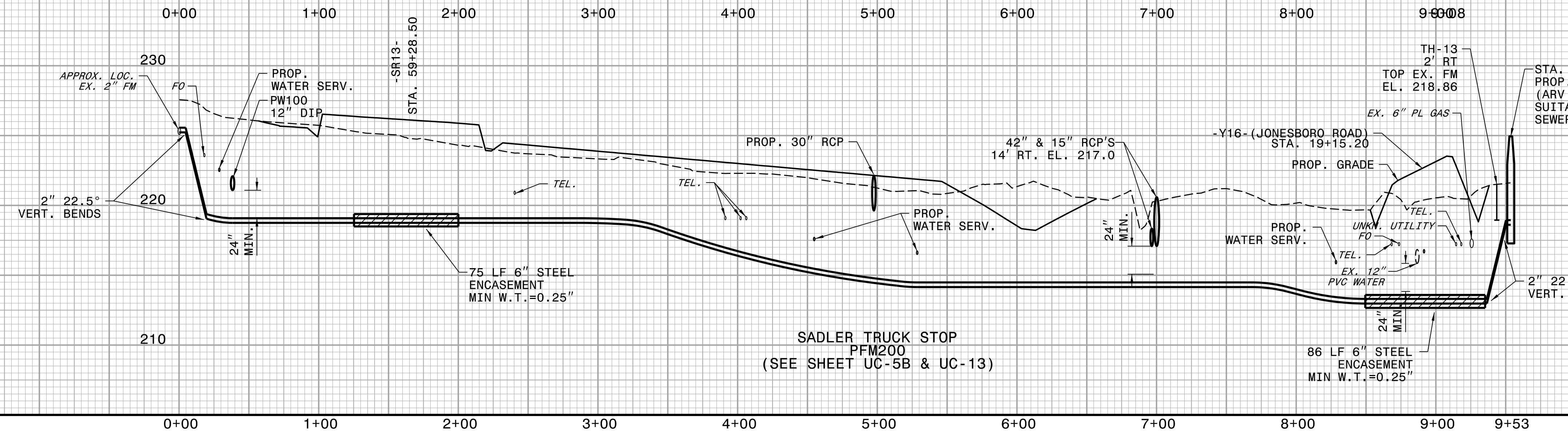
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PW1100
(SEE SHEET UC-12C & UC-14)



CITY OF DUNN
PFM100
(SEE SHEET UC-04)



SADLER TRUCK STOP
PFM200
(SEE SHEET UC-5B & UC-13)