

09/08/2011

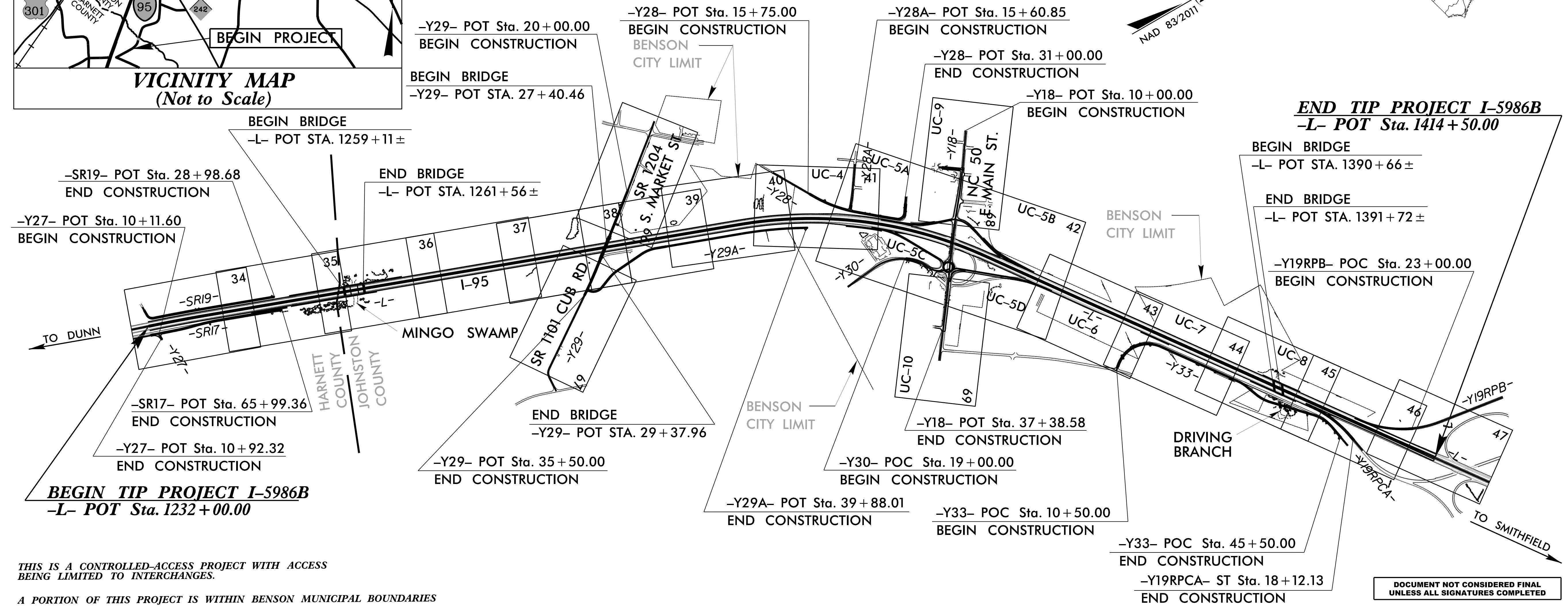
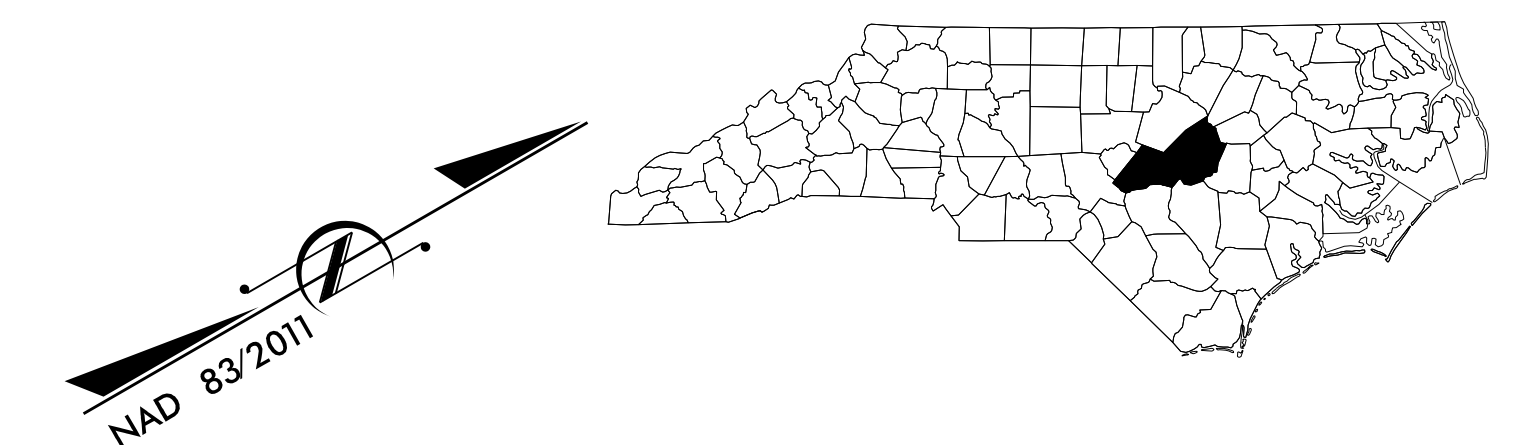
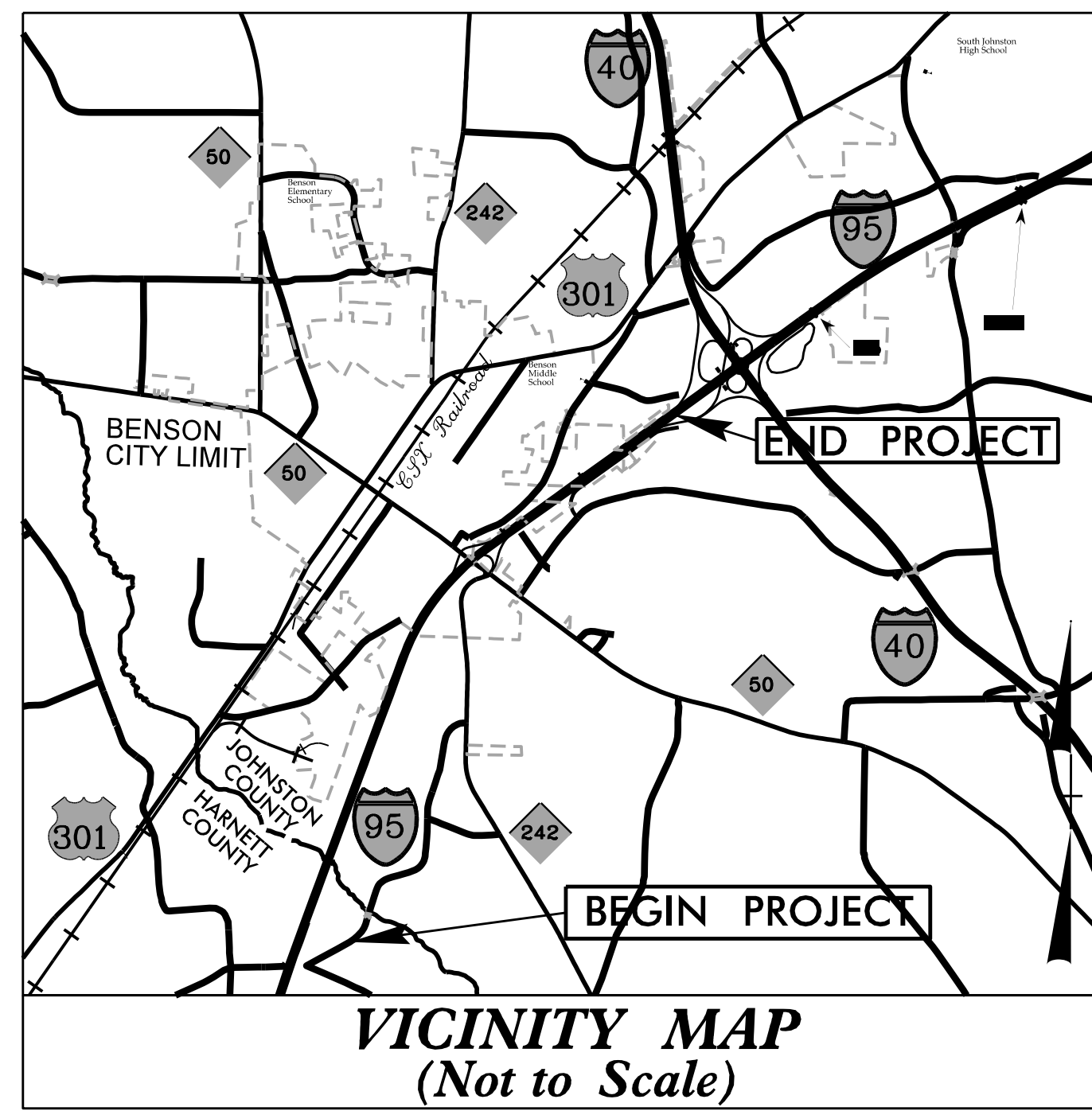
TIP PROJECT: I-5986B

STATE OF NORTH CAROLINA  
DIVISION OF HIGHWAYS

T.I.P. NO.	SHEET NO.
I-5986B	UC-1

# UTILITY CONSTRUCTION HARNETT AND JOHNSTON COUNTIES

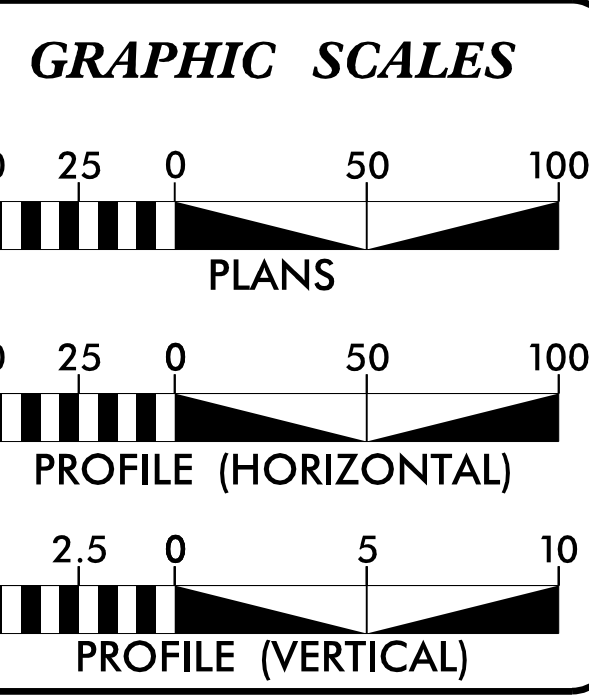
**LOCATION:** IMPROVE I-95 INTERCHANGES AND WIDEN TO EIGHT LANES FROM NORTH OF SR 1709 (HODGES CHAPEL ROAD) (EXIT 77) TO I-40 (EXIT 81).  
**TYPE OF WORK:** UTILITY CONSTRUCTION



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

A PORTION OF THIS PROJECT IS WITHIN BENSON MUNICIPAL BOUNDARIES

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED



SHEET NO.:	DESCRIPTION:
UC-1	TITLE SHEET
UC-2	UTILITY SYMBOLOGY
UC-3	NOTES
UC-3A	DETAILS
UC-4 THRU UC-10	UTILITY CONSTRUCTION SHEETS
UC-11 THRU UC-15	PROFILE SHEETS

WATER AND SEWER OWNERS ON PROJECT	
A) WATER	- BENSON PUBLIC UTILITIES
B) SEWER	- BENSON PUBLIC UTILITIES
C) SEWER	- JOHNSTON COUNTY PUBLIC UTILITIES

PREPARED IN THE OFFICE OF:  
**DAVIS • MARTIN • POWELL**  
ENGINEERS & SURVEYORS

6415 OLD PLANK RD., HIGH POINT, NC 27265  
PHONE: (336)896-4821 FAX: (336)896-4458  
WWW.DMP-INC.COM LICENSE: F-0245

<u>Randy McNeill, P.E.</u>	CONSULTANT CONTACT #1
<u>Steve McKee, P.E.</u>	CONSULTANT CONTACT #2
<u>Andy Larrick, P.E.</u>	CONSULTANT CONTACT #3
<u>Ralph Lowe</u>	CONSULTANT CONTACT #4

SEAL

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

<u>Steve Kendall, P.E.</u>	NCDOT DIVISION 6 PROJECT DEVELOPMENT ENGINEER
<u>Rick Handlin</u>	NCDOT DIVISION 6 UTILITY ENGINEER

\$\$\$\$\$ SYSTEMS \$\$\$  
\$\$\$\$\$ DGN \$\$\$  
\$\$\$\$\$ USERNAME \$\$\$

# 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

5/14/2021

REVISIONS

# UTILITY CONSTRUCTION

PROJECT REFERENCE NO. <b>I-5986B</b>	SHEET NO. <b>UC-3</b>
DESIGNED BY: <b>DMP</b>	
DRAWN BY: <b>DMP</b>	
CHECKED BY: <b>DMP</b>	
APPROVED BY:	
REVISED:	
NORTH CAROLINA DEPARTMENT OF TRANSPORTATION UTILITIES ENGINEERING SEC. PHONE: (919) 707-6690 FAX: (919) 250-4151 UTILITY CONSTRUCTION PLANS ONLY	

## 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 BENSON PUBLIC UTILITIES OR JOHNSTON COUNTY PUBLIC UTILITIES.
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 VALVES 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 THE TOWN OF BENSON AND 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, DUCTILE IRON, PC 350, OR RESTRAINED JOINT WHERE INDICATED ON PROFILES. SEWER MAINS 16" AND LARGER SHALL BE DUCTILE IRON, PC 250 OR RESTRAINED JOINT. WATER SERVICE LINES SHALL BE PE, SDR 9.
2. FUSIBLE PVC SHALL BE EXTRUDED WITH PLAIN 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.
4. DUCTILE IRON SEWER PIPE SHALL HAVE 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.
6. FIRE HYDRANTS SHALL MEET NCDOT STANDARD SPECS.
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 LOCATE AND TIE-IN EXISTING SEWER LATERALS ALONG -Y28- (CHICOPEE ROAD) BETWEEN HARNETT AND BROCKLYN STREETS TO NEW 16" GRAVITY SEWER LINE (PS200). QUANTITIES OF SANITARY SEWER CLEAN-OUTS AND SEWER SERVICE LINE HAVE BEEN ADDED TO FACILITATE THIS PROCEDURE.
9. 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. WHEN TYING IN PS100 ON SHEET UC-7 AND PS500 ON SHEET UC-8, COORDINATE WITH JOHNSTON COUNTY UTILITIES FOR TIMING AND SCHEDULE OF SHUT-DOWNS. JOHNSTON COUNTY UTILITIES HAS A 6" SEWER FORCE MAIN SHOWN ON SHEET UC-10 ALONG MORGAN ROAD THAT TIES INTO BENSON'S GRAVITY SEWER LINE AT MORGAN AND HAMLIN ROADS, SECTIONS OF WHICH ARE BEING RELOCATED WITHIN THE PROJECT (PS100 AND PS500).
10. ALL ITEMS ON THIS SHEET SHALL BE INCIDENTAL TO THE VARIOUS PAY ITEMS.

## 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

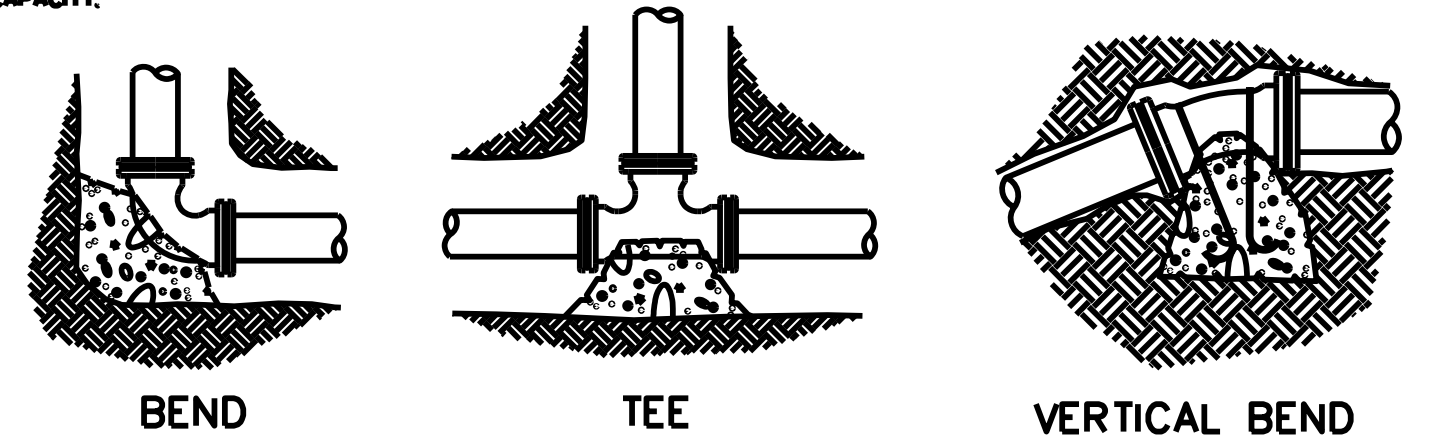
PROJECT REFERENCE NO.	SHEET NO.
I-5986B	UC-3A
DESIGNED BY: DMP	
DRAWN BY: DMP	
CHECKED BY: DMP	
APPROVED BY:	
REVISED:	
NORTH CAROLINA DEPARTMENT OF TRANSPORTATION	
UTILITIES ENGINEERING SEC. PHONE: (919) 707-6690 FAX: (919) 250-4151	
UTILITY CONSTRUCTION PLANS ONLY	

# PROJECT TYPICAL DETAILS

(HORIZONTAL) BEARING AREA OF THRUST BLOCKS IN SQ. FT. VOLUME OF THRUST BLOCK IN CU. YDS. (VERTICAL)

FITTING SIZE	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 SOIL BEARING CAPACITY.



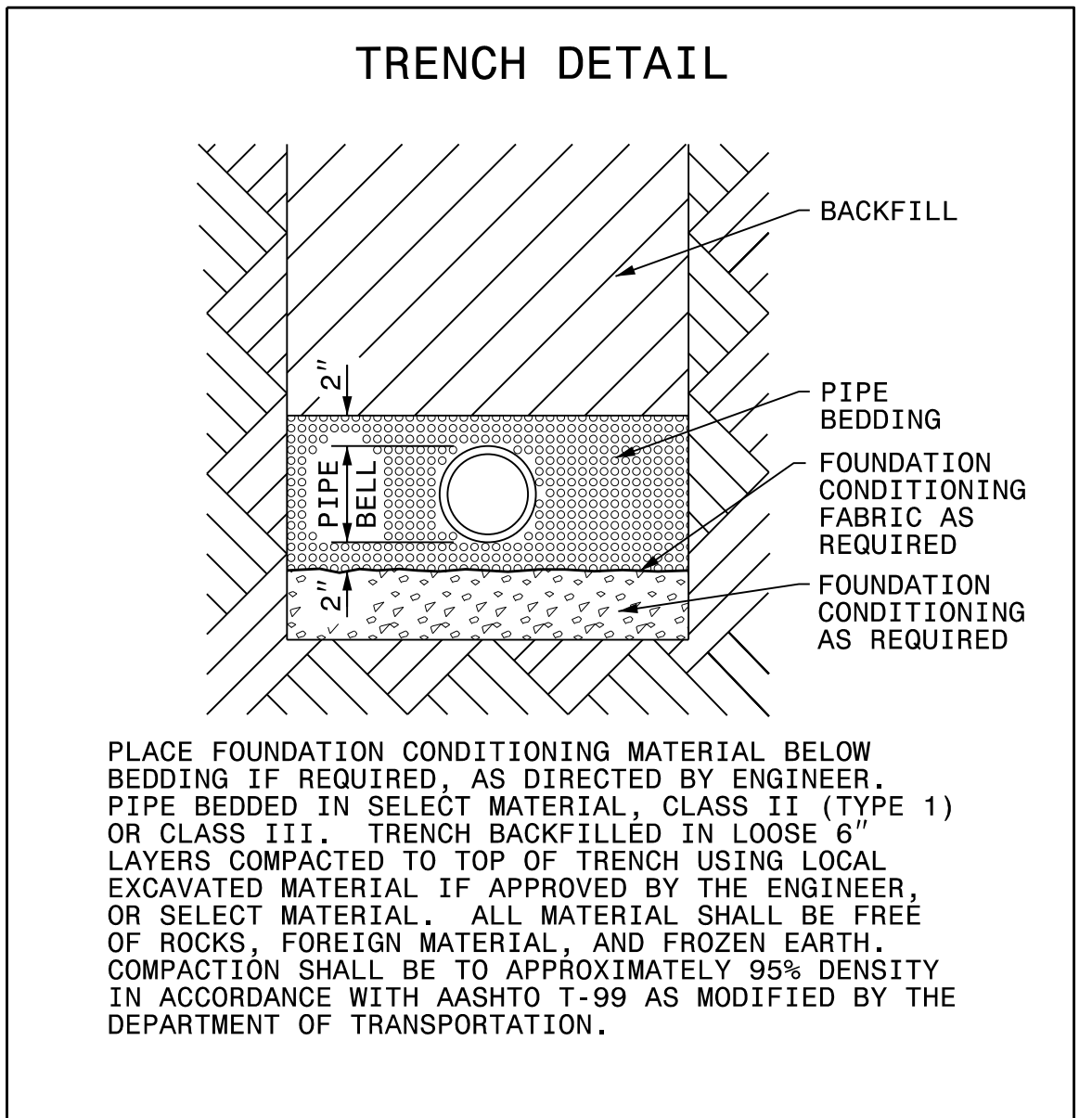
FITTING SIZE	ROD SIZE	EMBEDMENT
4"-12"	#6	30"
14"-16"	#8	36"

- 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

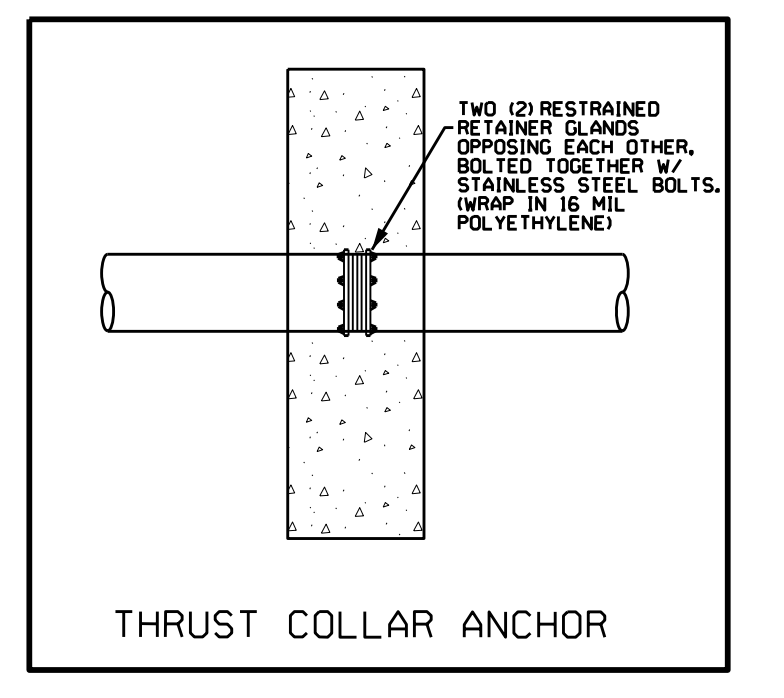
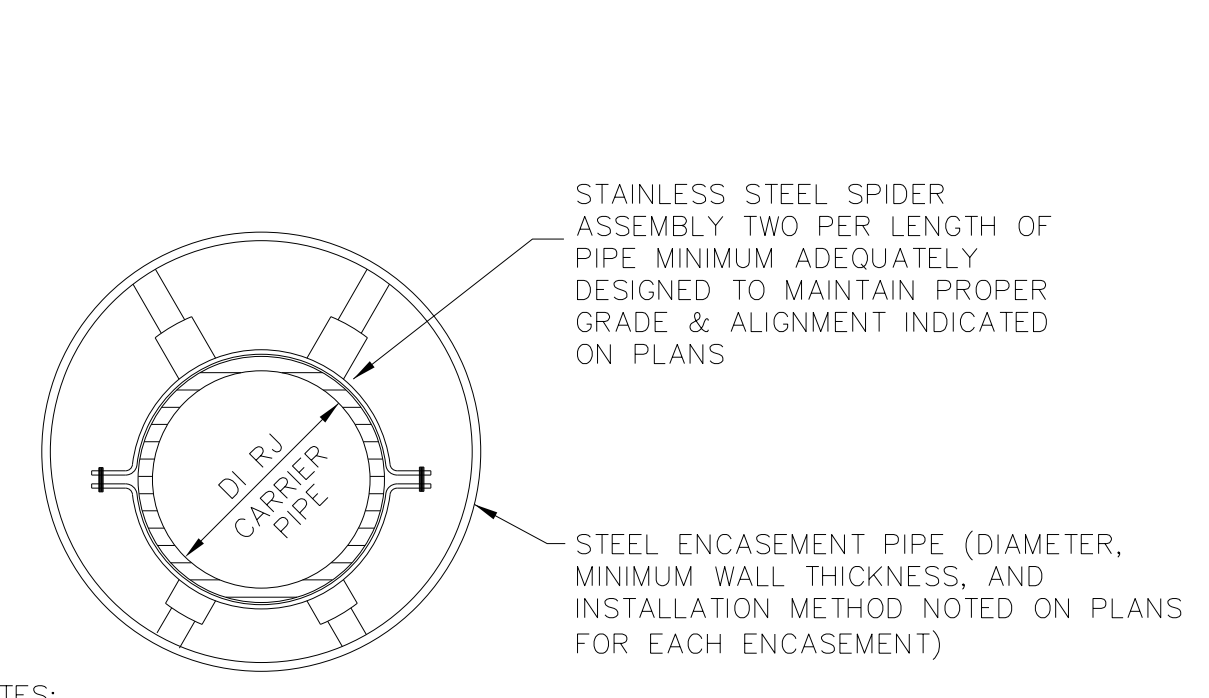
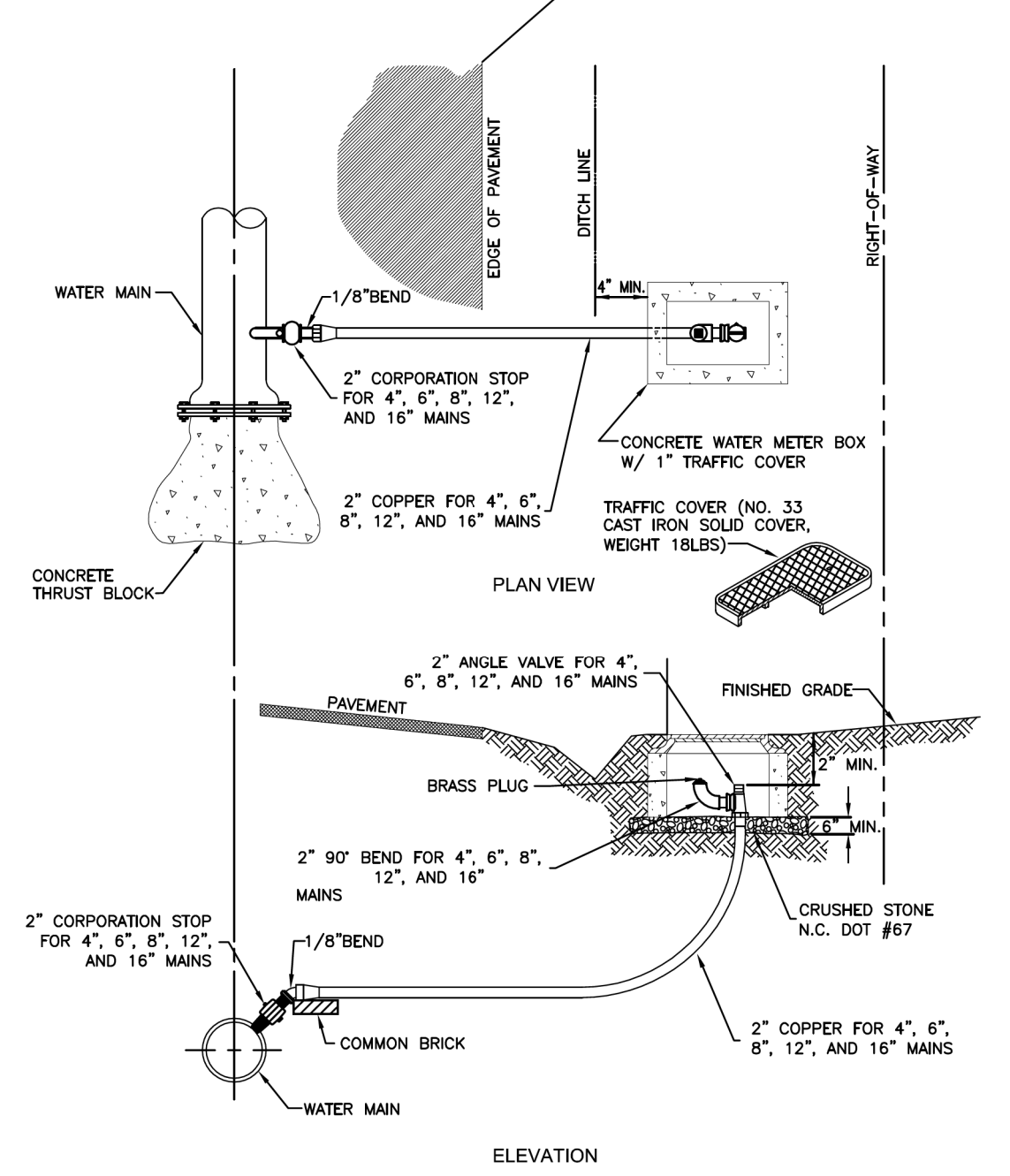
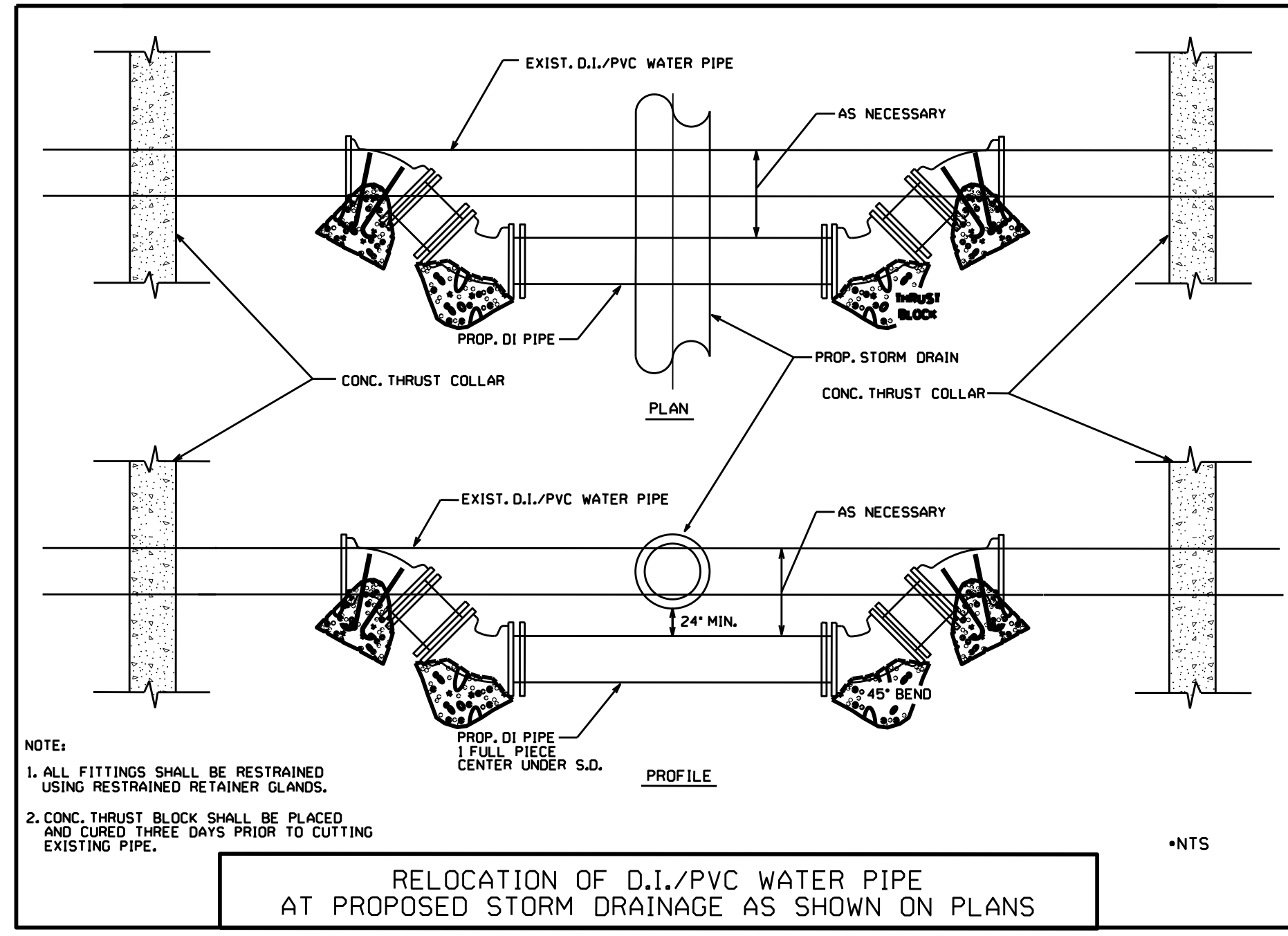
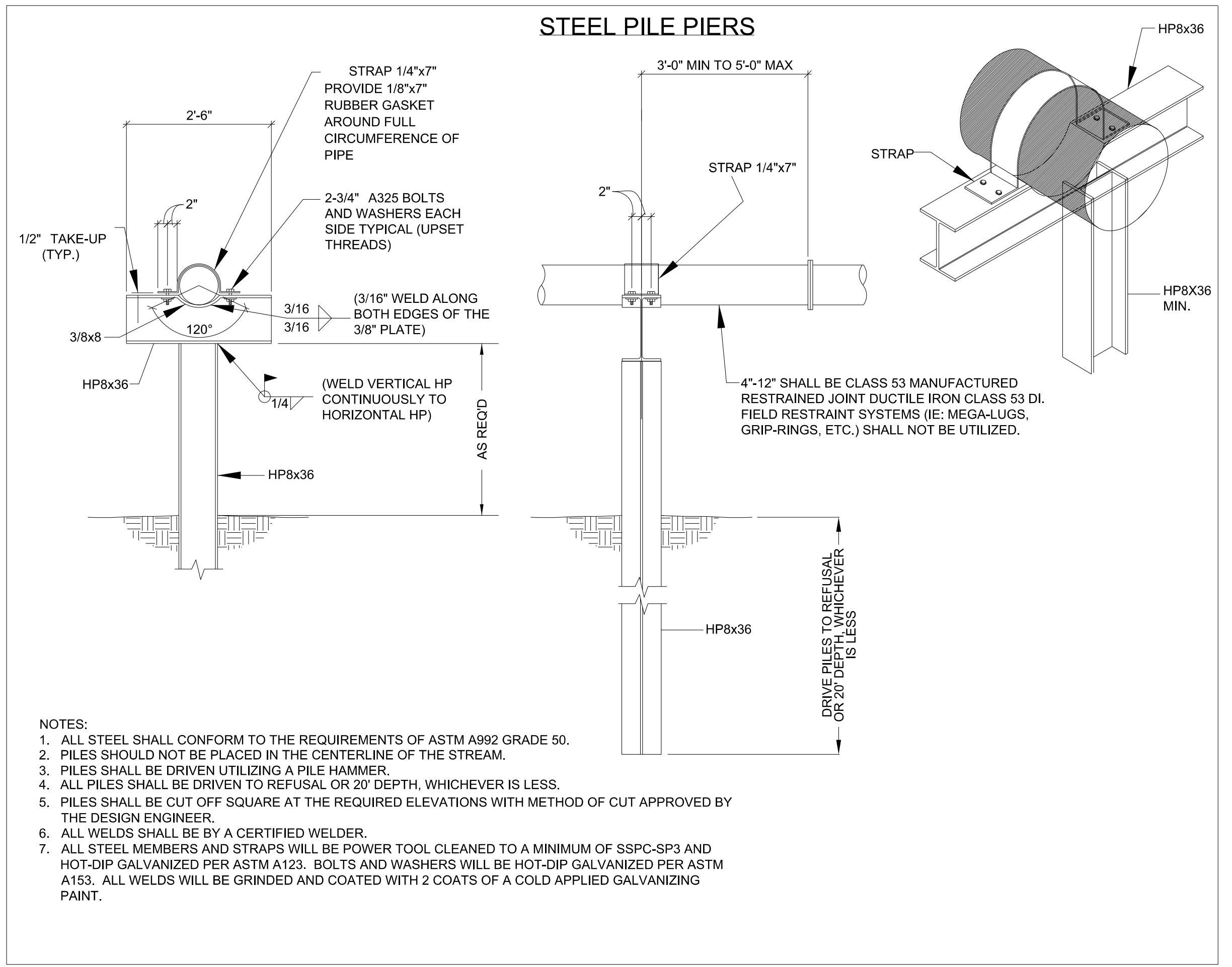
## THRUST BLOCKING DETAILS

NTS



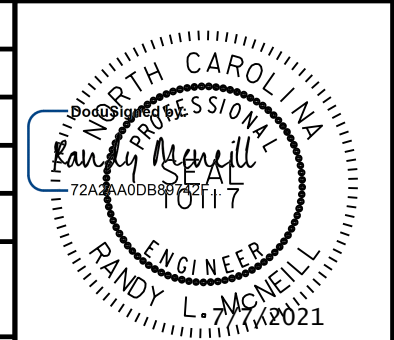
MAXIMUM TRENCH WIDTH AT TOP OF PIPE

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		



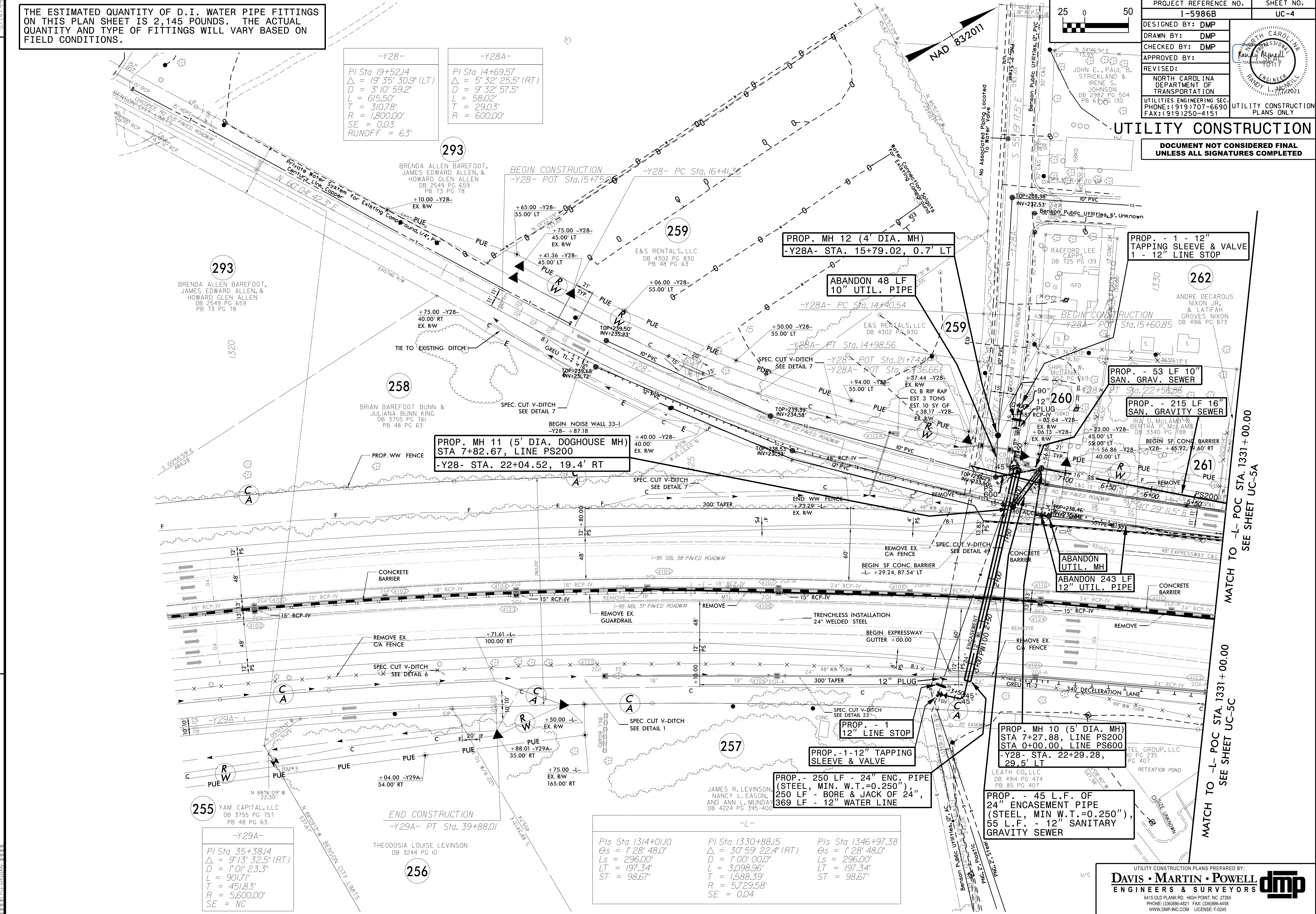
THE ESTIMATED QUANTITY OF D.I. WATER PIPE FITTINGS ON THIS PLAN SHEET IS 2,145 POUNDS. THE ACTUAL QUANTITY AND TYPE OF FITTINGS WILL VARY BASED ON FIELD CONDITIONS.

PROJECT REFERENCE NO.	I-5986B	SHEET NO.	UC-4
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

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-Y28-	-Y28A-
PI Sta 19+52.14 Δ = 19° 35' 30.9" (LT) D = 3' 10' 59.2" L = 615.50' T = 310.78' R = 1,800.00' SE = 0.03 RUNOFF = 63'	PI Sta 14+69.57 Δ = 5° 32' 25.5" (RT) D = 9' 32' 57.5" L = 58.02' T = 29.03' R = 600.00'

293  
BRENDA ALLEN BAREFOOT,  
JAMES EDWARD ALLEN, &  
HOWARD GLEN ALLEN  
DB 2549 PG 659  
PB 73 PG 78

258  
BRIAN BAREFOOT BUNN &  
JULIANA BUNN KING  
DB 3755 PG 761  
PB 48 PG 63

PROP. MH 11 (5' DIA. DOGHOUSE MH)  
STA 7+82.67, LINE PS200  
-Y28- STA. 22+04.52, 19.4' RT

PROP. MH 12 (4' DIA. MH)  
-Y28A- STA. 15+79.02, 0.7' LT

PROP. - 1 - 12" TAPPING SLEEVE & VALVE  
1 - 12" LINE STOP

PROP. - 53 LF 10" SAN. GRAV. SEWER

PROP. - 215 LF 16" SAN. GRAVITY SEWER

ABANDON 243 LF 12" UTIL. PIPE

PROP. 1 12" LINE STOP

PROP. - 1-12" TAPPING SLEEVE & VALVE

PROP. - 250 LF - 24" ENC. PIPE (STEEL, MIN. W.T.=0.250"),  
250 LF - BORE & JACK OF 24",  
369 LF - 12" WATER LINE

PROP. MH 10 (5' DIA. MH)  
STA 7+27.88, LINE PS200  
STA 0+00.00, LINE PS600  
-Y28- STA. 22+29.28,  
29.5' LT

PROP. - 45 L.F. OF 24" ENCASEMENT PIPE (STEEL, MIN W.T.=0.250"),  
55 L.F. - 12" SANITARY GRAVITY SEWER

255  
YAM CAPITAL, LLC  
DB 3755 PG 757  
PB 48 PG 63

END CONSTRUCTION  
-Y29A- PT Sta. 39+88.01

256  
THEODOSIA LOUISE LEVINSON  
DB 3244 PG 10

-L-	-L-	-L-
PIs Sta 1314+01.0	PI Sta 1330+88.15	PIs Sta 1346+97.38
Os = 1' 28' 48.0"	Δ = 30' 59' 22.4" (RT)	Os = 1' 28' 48.0"
Ls = 296.00'	D = 1' 00' 00.0"	Ls = 296.00'
LT = 197.34'	L = 3,098.96'	LT = 197.34'
ST = 98.67'	T = 1,588.39'	ST = 98.67'
	R = 5,729.58'	
	SE = 0.04	

REVISIONS

1. 07/06/2021 - UPDATED TO REFLECT CHANGES TO NOISE WALL

5/21/2021

MATCH TO -L- POC STA. 1331+00.00  
SEE SHEET UC-5A

MATCH TO -L- POC STA. 1331+00.00  
SEE SHEET UC-5C

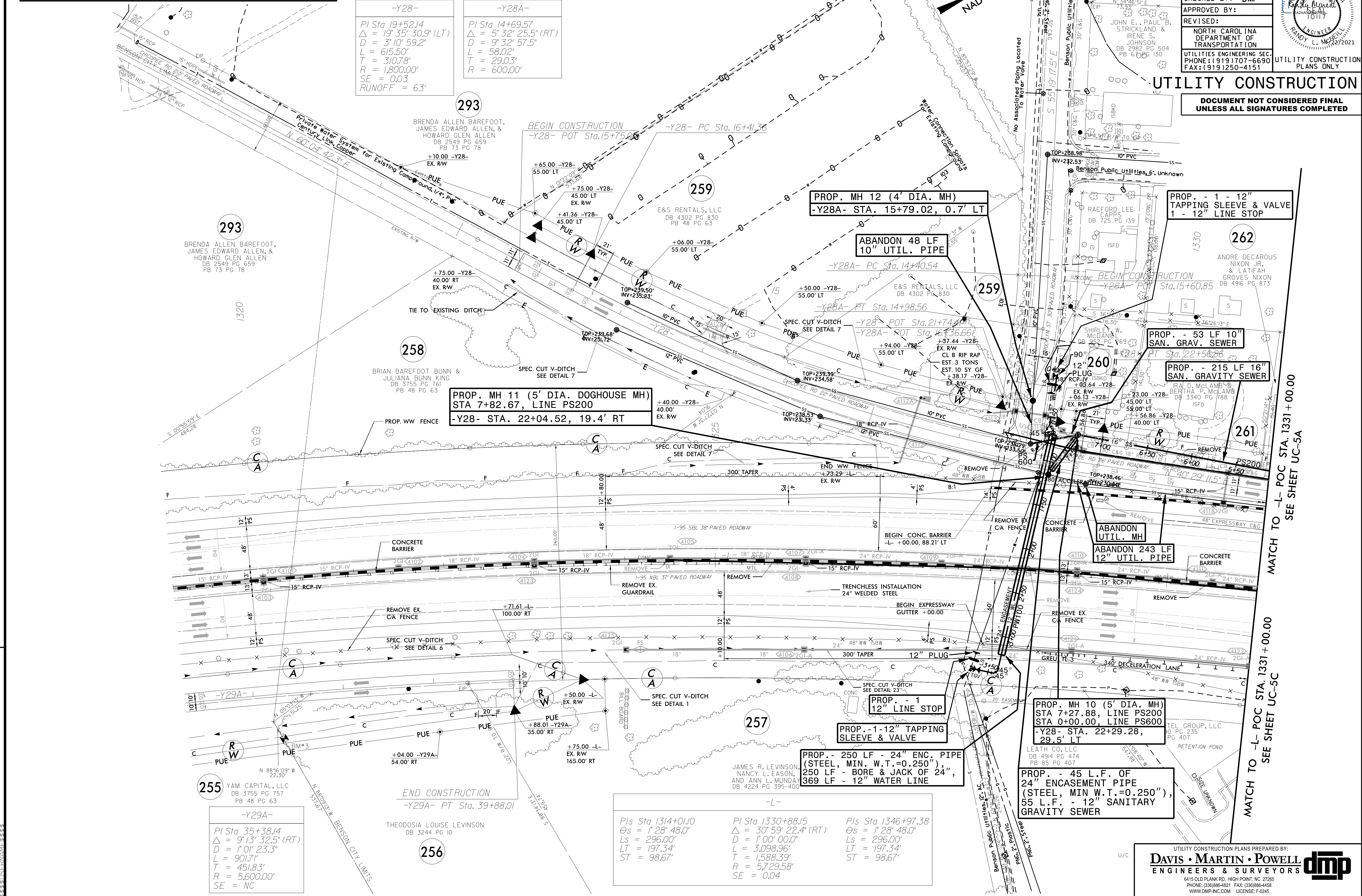
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PROP. - 1 - 12" TAPPING SLEEVE & VALVE  
1 - 12" LINE STOP

PROP. - 53 LF 10" SAN. GRAV. SEWER  
-Y28- STA. 22+56.68

PROP. - 215 LF 16" SAN. GRAVITY SEWER  
-Y28- STA. 22+56.68

ABANDON 243 LF 12" UTIL. PIPE

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END CONSTRUCTION  
-Y29A- PT Sta. 39+88.01

THEODOSIA LOUISE LEVINSON  
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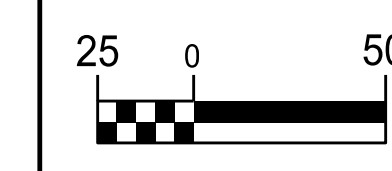
256

-L-	-L-	-L-
PIs Sta 1314+01.0	PI Sta 1330+88.15	PIs Sta 1346+97.38
Δs = 1° 28' 48.0"	Δ = 30° 59' 22.4" (RT)	Δs = 1° 28' 48.0"
Ls = 296.00'	D = 1' 00' 00.0"	Ls = 296.00'
LT = 197.34'	L = 3,098.96'	LT = 197.34'
ST = 98.67'	T = 1,588.39'	ST = 98.67'
	R = 5,729.58'	
	SE = 0.04	

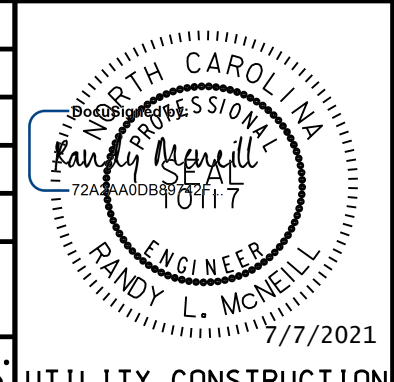
MATCH TO -L- POC STA. 1331+00.00  
SEE SHEET UC-5A

MATCH TO -L- POC STA. 1331+00.00  
SEE SHEET UC-5C

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



PROJECT REFERENCE NO.	I-5986B
SHEET NO.	UC-5A
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

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

-Y28-	
PI Sta 26+52.65 Δ = 2° 00' 14.6" (LT) D = 0' 34' 20.4" L = 350.16' T = 175.10' R = 10,011.00' SE = NC	PI Sta 29+24.22 Δ = 94° 00' 01.7" (LT) D = 63° 39' 43.1" L = 147.66' T = 96.51' R = 90.00' SE = 0.04 RUNOFF = 84'

-Y18RPB-			
0+40.00 35' 37.2" 1.00' 1.00' 1.00'	PIs Sta 13+42.26 Θs = 5° 00' 48.2" Ls = 210.00' LT = 140.06' ST = 70.05'	PI Sta 15+48.01 Δ = 12° 54' 50.6" (LT) D = 4' 46' 28.7" L = 270.47' T = 135.81' R = 1,200.00' SE = 0.07	PIs Sta 17+38.70 Θs = 4° 00' 38.5" Ls = 168.00' LT = 112.03' ST = 56.03'

-Y18RPC-			
10+54.77 27' 17.1" 08' 55.2" 1.00' 4.77' 5.25'	PI Sta 12+59.38 Δ = 16° 04' 04.7" (RT) D = 4' 46' 28.7" L = 336.53' T = 169.38' R = 1,200.00' SE = 0.07	PIs Sta 14+82.55 Θs = 4° 00' 38.5" Ls = 168.00' LT = 112.03' ST = 56.03'	PI Sta 20+97.97 Δ = 68° 53' 29.7" (RT) D = 63° 39' 43.1" L = 108.21' T = 61.73' R = 90.00' SE = 0.02

PROP. MH 8 (4' DIA. MH)  
STA. 0+27.50, LINE PS200  
-Y28- STA. 29+24.25, 27.1' RT.

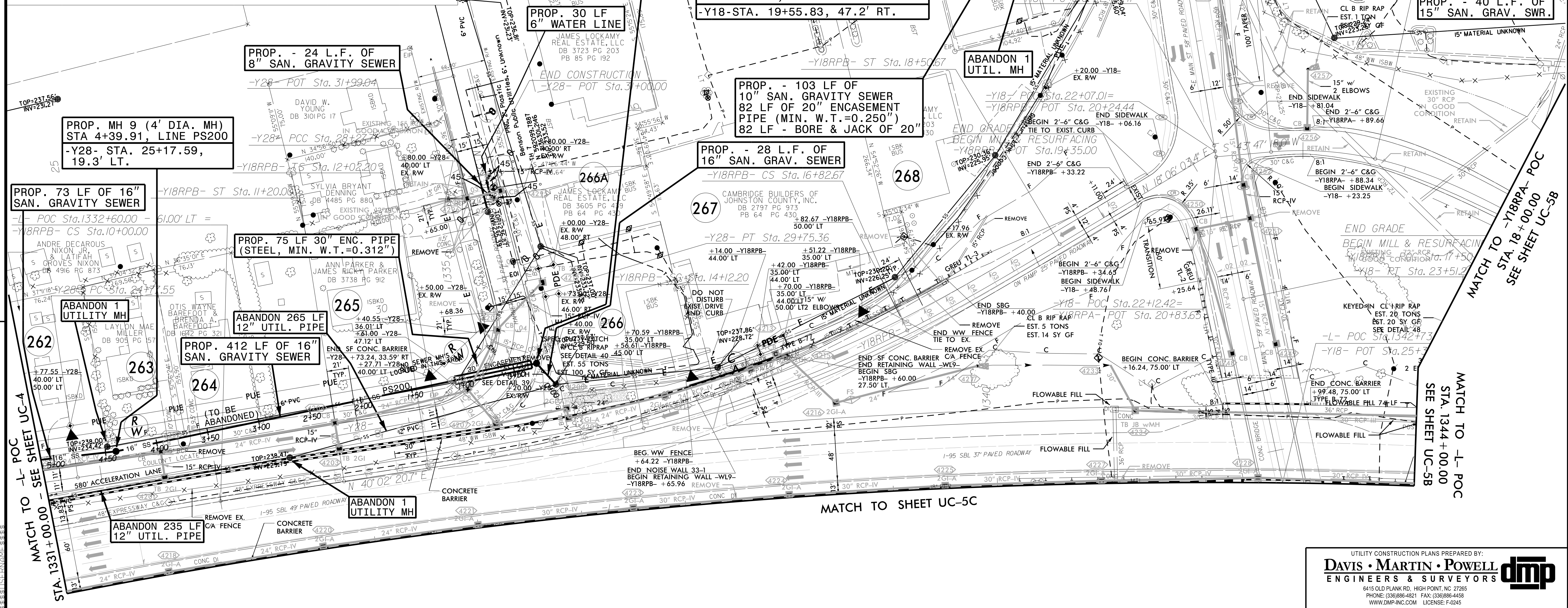
PROP. MH 13 (5' DIA. DOGHOUSE MH)  
STA 1+22.10, LINE PS800  
-Y18-STA. 19+55.83, 47.2' RT.

PROP. MH 14 (4' DIA. MH)  
STA 0+18.62, LINE PS800  
-Y18- STA. 19+50.23,  
56.2' LT.

PROP. - 19 L.F. OF  
10" SAN. GRAV. SWR.

PROP. MH 15  
(5' DIA. DOGHOUSE MH)  
STA 0+00.00, LINE PS800  
-Y18- STA. 19+55.54,  
74.0' LT.

PROP. - 40 L.F. OF  
15" SAN. GRAV. SWR.



REVISIONS

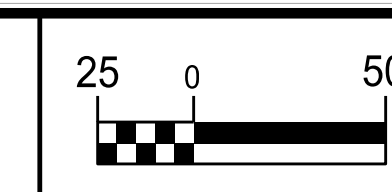
1. 07/06/2021 - UPDATED TO REFLECT CHANGES TO NOISE WALL

MATCH TO L- POC STA. 1331+00.00 - SEE SHEET UC-4

MATCH TO SHEET UC-5C

MATCH TO L- POC STA. 1344+00.00 SEE SHEET UC-5B

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



PROJECT REFERENCE NO.	I-5986B
SHEET NO.	UC-5A
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

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

-Y28-

PI Sta 26+52.65	PI Sta 29+24.22
$\Delta = 2^{\circ} 00' 14.6"$ (LT)	$\Delta = 94^{\circ} 00' 01.7"$ (LT)
$D = 0^{\circ} 34' 20.4"$	$D = 63^{\circ} 39' 43.1"$
$L = 350.16'$	$L = 147.66'$
$T = 175.10'$	$T = 96.51'$
$R = 10,011.00'$	$R = 90.00'$
SE = NC	SE = 0.04
	RUNOFF = 84'

-Y18RPB-

0+40.00	PIs Sta 13+42.26	PI Sta 15+48.01	PIs Sta 17+38.70
35' 37.2"	$\Delta s = 5^{\circ} 00' 48.2"$	$\Delta = 12^{\circ} 54' 50.6"$ (LT)	$\Delta s = 4^{\circ} 00' 38.5"$
1.00'	$Ls = 210.00'$	$D = 4^{\circ} 46' 28.7"$	$Ls = 168.00'$
1.00'	$LT = 140.06'$	$L = 270.47'$	$LT = 112.03'$
1.00'	$ST = 70.05'$	$T = 135.81'$	$ST = 56.03'$
		$R = 1,200.00'$	
		SE = 0.07	

-Y18RPC-

10+54.77	PI Sta 12+59.38	PIs Sta 14+82.55	PI Sta 20+97.97
27' 17.1"	$\Delta = 16^{\circ} 04' 04.7"$ (RT)	$\Delta s = 4^{\circ} 00' 38.5"$	$\Delta = 68^{\circ} 53' 29.7"$ (RT)
08' 55.2"	$D = 4^{\circ} 46' 28.7"$	$Ls = 168.00'$	$D = 63^{\circ} 39' 43.1"$
1.00'	$L = 336.53'$	$LT = 112.03'$	$L = 108.21'$
4.77'	$T = 169.38'$	$ST = 56.03'$	$T = 61.73'$
5.25'	$R = 1,200.00'$		$R = 90.00'$
	SE = 0.07		SE = 0.02

PROP. MH 8 (4' DIA. MH)  
STA. 0+27.50, LINE PS200  
-Y28- STA. 29+24.25, 27.1' RT.

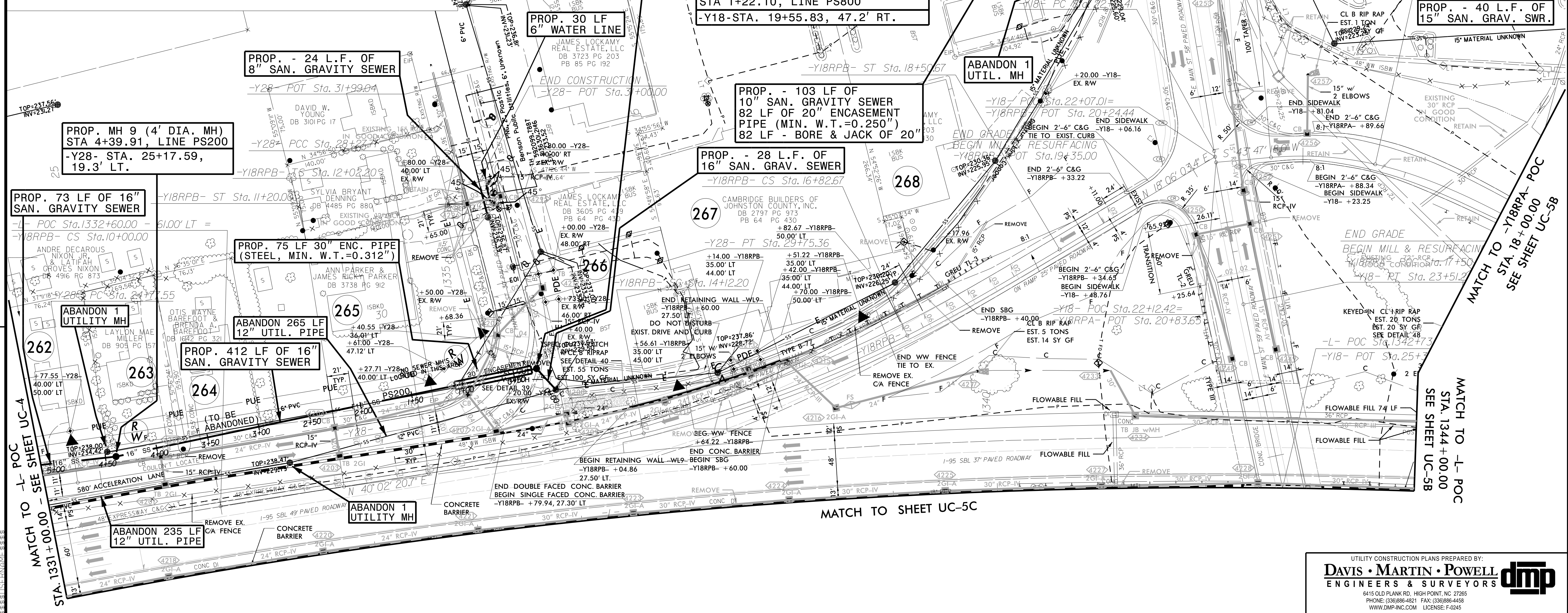
PROP. MH 13 (5' DIA. DOGHOUSE MH)  
STA 1+22.10, LINE PS800  
-Y18- STA. 19+55.83, 47.2' RT.

PROP. MH 14 (4' DIA. MH)  
STA 0+18.62, LINE PS800  
-Y18- STA. 19+50.23, 56.2' LT.

PROP. - 19 L.F. OF  
10" SAN. GRAV. SWR.

PROP. MH 15 (5' DIA. DOGHOUSE MH)  
STA 0+00.00, LINE PS800  
-Y18- STA. 19+55.54, 74.0' LT.

PROP. - 40 L.F. OF  
15" SAN. GRAV. SWR.



REVISIONS

MATCH TO L-POC STA. 1331+00.00 - SEE SHEET UC-4

MATCH TO SHEET UC-5C

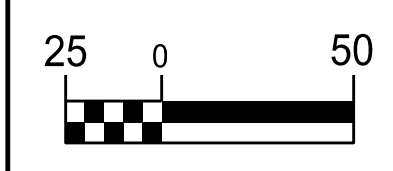
MATCH TO -Y18RPA- POC STA. 18+00.00 - SEE SHEET UC-5B

MATCH TO L-POC STA. 1344+00.00 SEE SHEET UC-5B



5/14/99

THE ESTIMATED QUANTITY OF D.I. WATER PIPE FITTINGS ON THIS PLAN SHEET IS 925 POUNDS. THE ACTUAL QUANTITY AND TYPE OF FITTINGS WILL VARY BASED ON FIELD CONDITIONS.



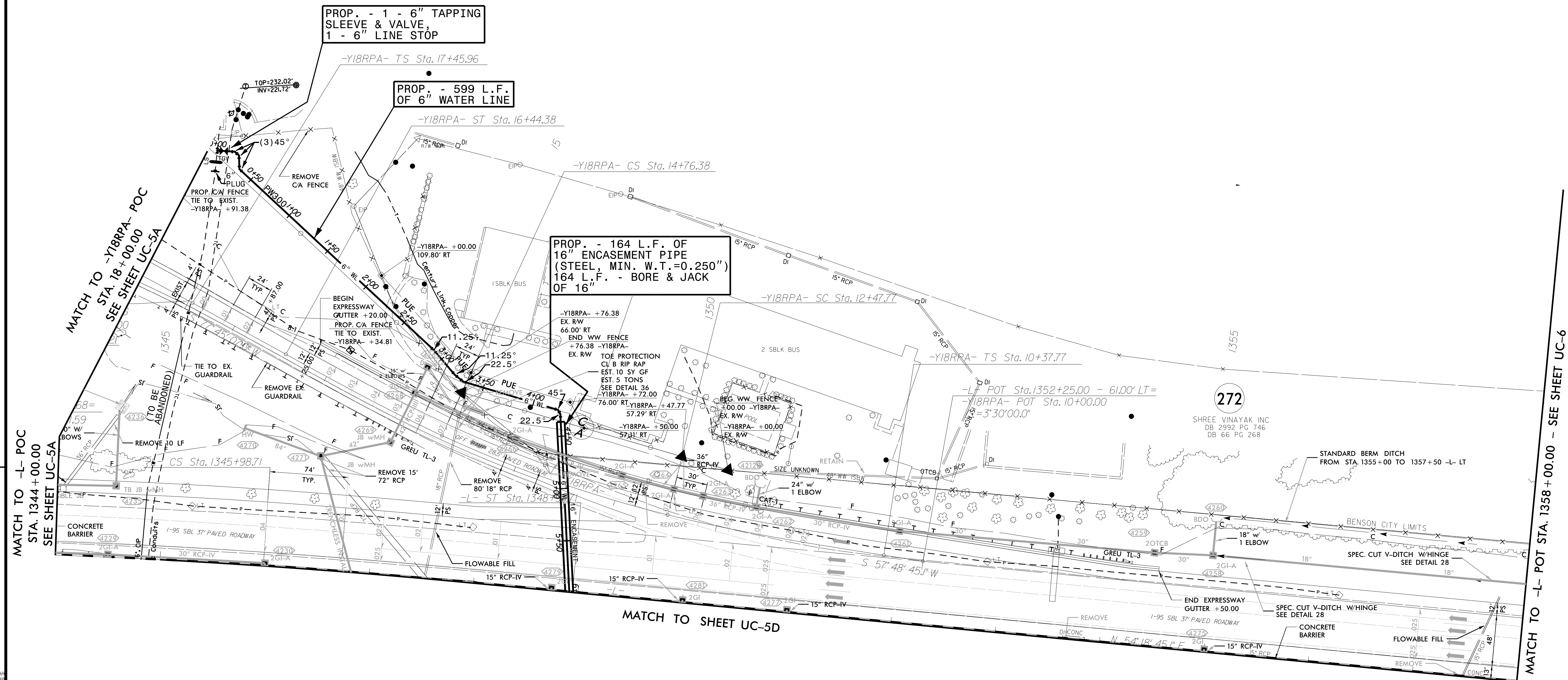
PROJECT REFERENCE NO.	SHEET NO.
I-5986B	UC-5B
DESIGNED BY: DMP	
DRAWN BY: DMP	
CHECKED BY: DMP	
APPROVED BY:	
REVISED:	
NORTH CAROLINA DEPARTMENT OF TRANSPORTATION	
UTILITIES ENGINEERING SEC. PHONE: (919) 707-6690 FAX: (919) 250-4151	UTILITY CONSTRUCTION PLANS ONLY

### UTILITY CONSTRUCTION

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED



REVISIONS



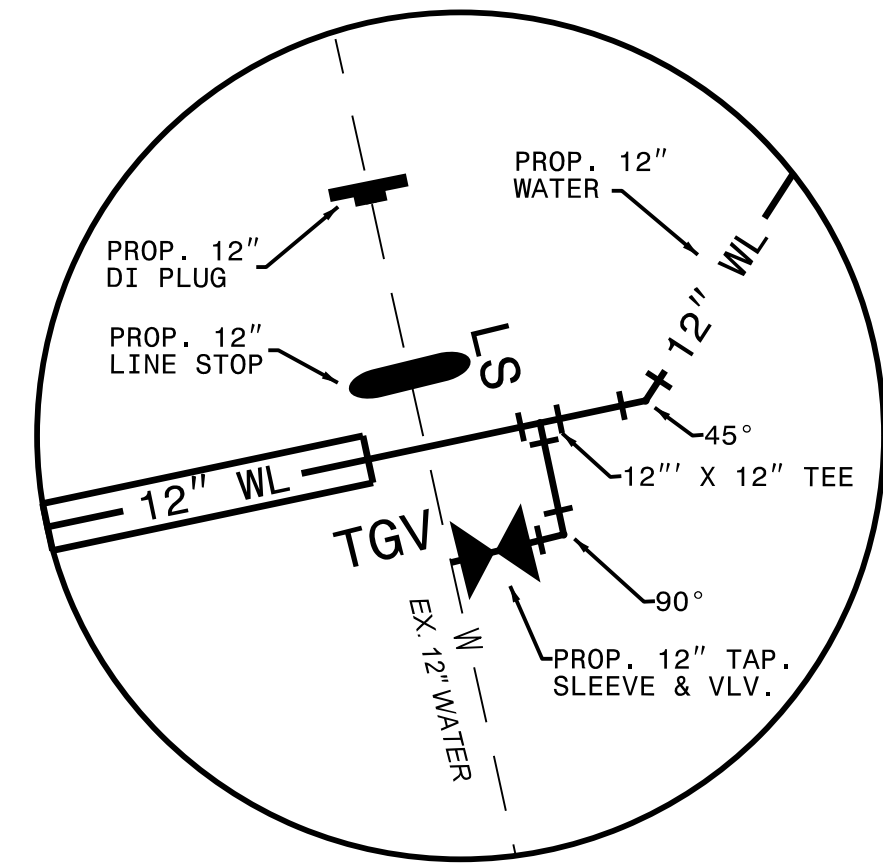
MATCH TO -L- POC STA. 1344+00.00 SEE SHEET UC-5A

MATCH TO -Y18RPA- POC STA. 18+00.00 SEE SHEET UC-5A

MATCH TO SHEET UC-5D

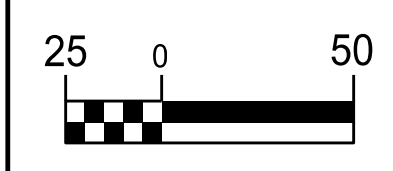
MATCH TO -L- POT STA. 1358+00.00 - SEE SHEET UC-6

5/14/2019



INSET SCALE: 1" = 10'

THE ESTIMATED QUANTITY OF D.I. WATER PIPE FITTINGS ON THIS PLAN SHEET IS 4,520 POUNDS. THE ACTUAL QUANTITY AND TYPE OF FITTINGS WILL VARY BASED ON FIELD CONDITIONS.

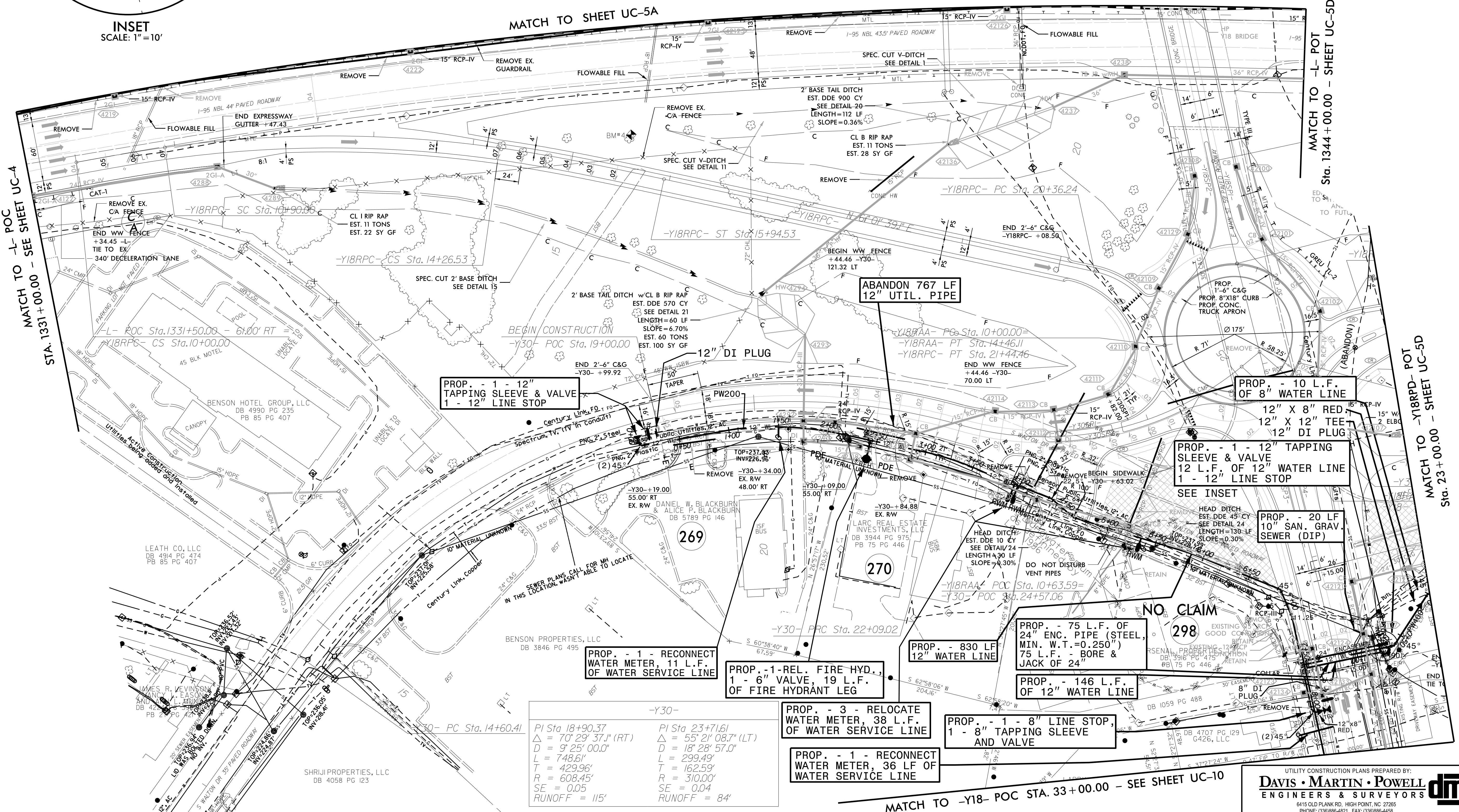


PROJECT REFERENCE NO.	SHEET NO.
I-5986B	UC-5C
DESIGNED BY: DMP	
DRAWN BY: DMP	
CHECKED BY: DMP	
APPROVED BY:	
REVISED:	
NORTH CAROLINA DEPARTMENT OF TRANSPORTATION	
UTILITIES ENGINEERING SECTION PHONE: (919) 707-6690 FAX: (919) 250-4151	
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**UTILITY CONSTRUCTION**

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

REVISIONS



MATCH TO L- POC UC-4 STA. 1331+00.00 - SEE SHEET UC-4

MATCH TO L- POT Sta. 1344+00.00 - SHEET UC-5D

MATCH TO -Y18RD- POT Sta. 23+00.00 - SHEET UC-5D

PROP. - 1 - 12" TAPPING SLEEVE & VALVE 1 - 12" LINE STOP

ABANDON 767 LF 12" UTIL. PIPE

PROP. - 10 L.F. OF 8" WATER LINE

PROP. - 1 - 12" TAPPING SLEEVE & VALVE 12 L.F. OF 12" WATER LINE 1 - 12" LINE STOP SEE INSET

PROP. - 20 LF 10" SAN. GRAV. SEWER (DIP)

PROP. - 1 - RECONNECT WATER METER, 11 L.F. OF WATER SERVICE LINE

PROP. - 1 - REL. FIRE HYD., 1 - 6" VALVE, 19 L.F. OF FIRE HYDRANT LEG

PROP. - 3 - RELOCATE WATER METER, 38 L.F. OF WATER SERVICE LINE

PROP. - 1 - RECONNECT WATER METER, 36 LF OF WATER SERVICE LINE

PROP. - 830 LF 12" WATER LINE

PROP. - 75 L.F. OF 24" ENC. PIPE (STEEL, MIN. W.T.=0.250") 75 L.F. - BORE & JACK OF 24"

PROP. - 146 L.F. OF 12" WATER LINE

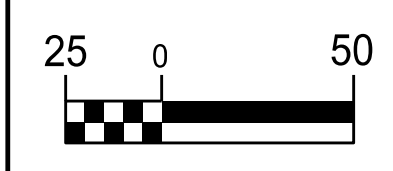
PROP. - 1 - 8" LINE STOP, 1 - 8" TAPPING SLEEVE AND VALVE

-Y30- PI Sta 18+90.37 $\Delta = 70' 29' 37.1" (RT)$ $D = 9' 25' 00.0"$ $L = 748.61'$ $T = 429.96'$ $R = 608.45'$ $SE = 0.05$ $RUNOFF = 115'$	-Y30- PI Sta 23+71.61 $\Delta = 55' 21' 08.7" (LT)$ $D = 18' 28' 57.0"$ $L = 299.49'$ $T = 162.59'$ $R = 310.00'$ $SE = 0.04$ $RUNOFF = 84'$
--	--

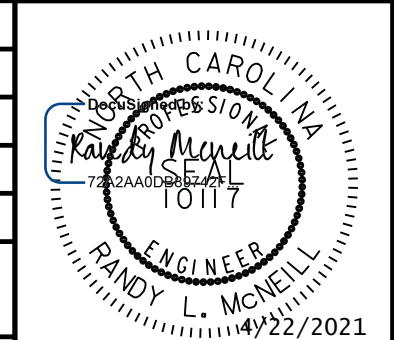
MATCH TO -Y18- POC STA. 33+00.00 - SEE SHEET UC-10

5/14/2019

THE ESTIMATED QUANTITY OF D.I. WATER PIPE FITTINGS ON THIS PLAN SHEET IS 1,520 POUNDS. THE ACTUAL QUANTITY AND TYPE OF FITTINGS WILL VARY BASED ON FIELD CONDITIONS.

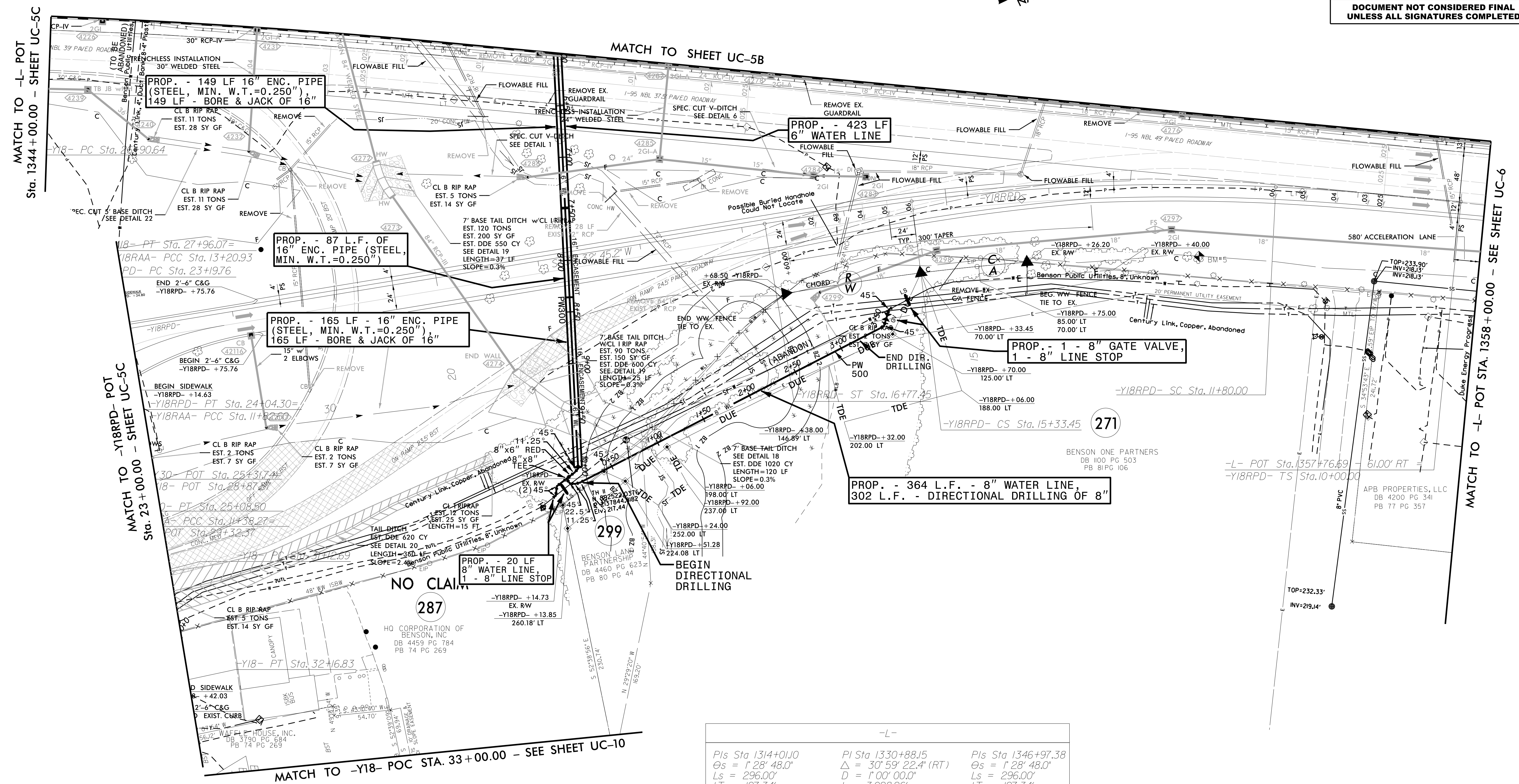


PROJECT REFERENCE NO.	I-5986B
SHEET NO.	UC-5D
DESIGNED BY:	DMP
DRAWN BY:	DMP
CHECKED BY:	DMP
APPROVED BY:	
REVISED:	
NORTH CAROLINA DEPARTMENT OF TRANSPORTATION	
UTILITIES ENGINEERING SEC. PHONE: (919) 707-6690 FAX: (919) 250-4151	
UTILITY CONSTRUCTION PLANS ONLY	



# UTILITY CONSTRUCTION

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED



MATCH TO -L- POT Sta. 1344+00.00 - SHEET UC-5C

MATCH TO SHEET UC-5B

MATCH TO -Y18RPD- POT Sta. 23+00.00 - SHEET UC-5C

MATCH TO -L- POT STA. 1358+00.00 - SEE SHEET UC-6

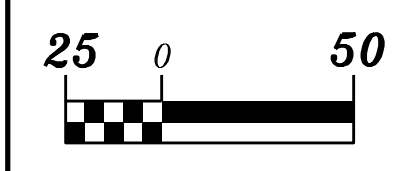
MATCH TO -Y18- POC STA. 33+00.00 - SEE SHEET UC-10

REVISIONS

-L-		
Pls Sta 1314+01.0	Pl Sta 1330+88.15	Pls Sta 1346+97.38
Os = 1' 28" 48.0"	Δ = 30' 59" 22.4" (RT)	Os = 1' 28" 48.0"
Ls = 296.00'	D = 1' 00" 00.0"	Ls = 296.00'
LT = 197.34'	L = 3,098.96'	LT = 197.34'
ST = 98.67'	T = 1,588.39'	ST = 98.67'
	R = 5,729.58'	
	SE = 0.04	

Vertical list of revision numbers from 01 to 10.

UTILITY CONSTRUCTION PLANS PREPARED BY:  
**DAVIS • MARTIN • POWELL**  
ENGINEERS & SURVEYORS  
6415 OLD PLANK RD. HIGH POINT, NC 27265  
PHONE: (336)886-4821 FAX: (336)886-4468  
WWW.DMP-INC.COM LICENSE: F-4246



PROJECT REFERENCE NO.	I-5986B	SHEET NO.	UC-6
DESIGNED BY:	DMP		
DRAWN BY:	DMP		
CHECKED BY:	DMP		
APPROVED BY:	DMP		
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**

NAD 83/2011  
J.E. WILSON, JR.  
DB 1519 PG 170  
PB 47 PG 147

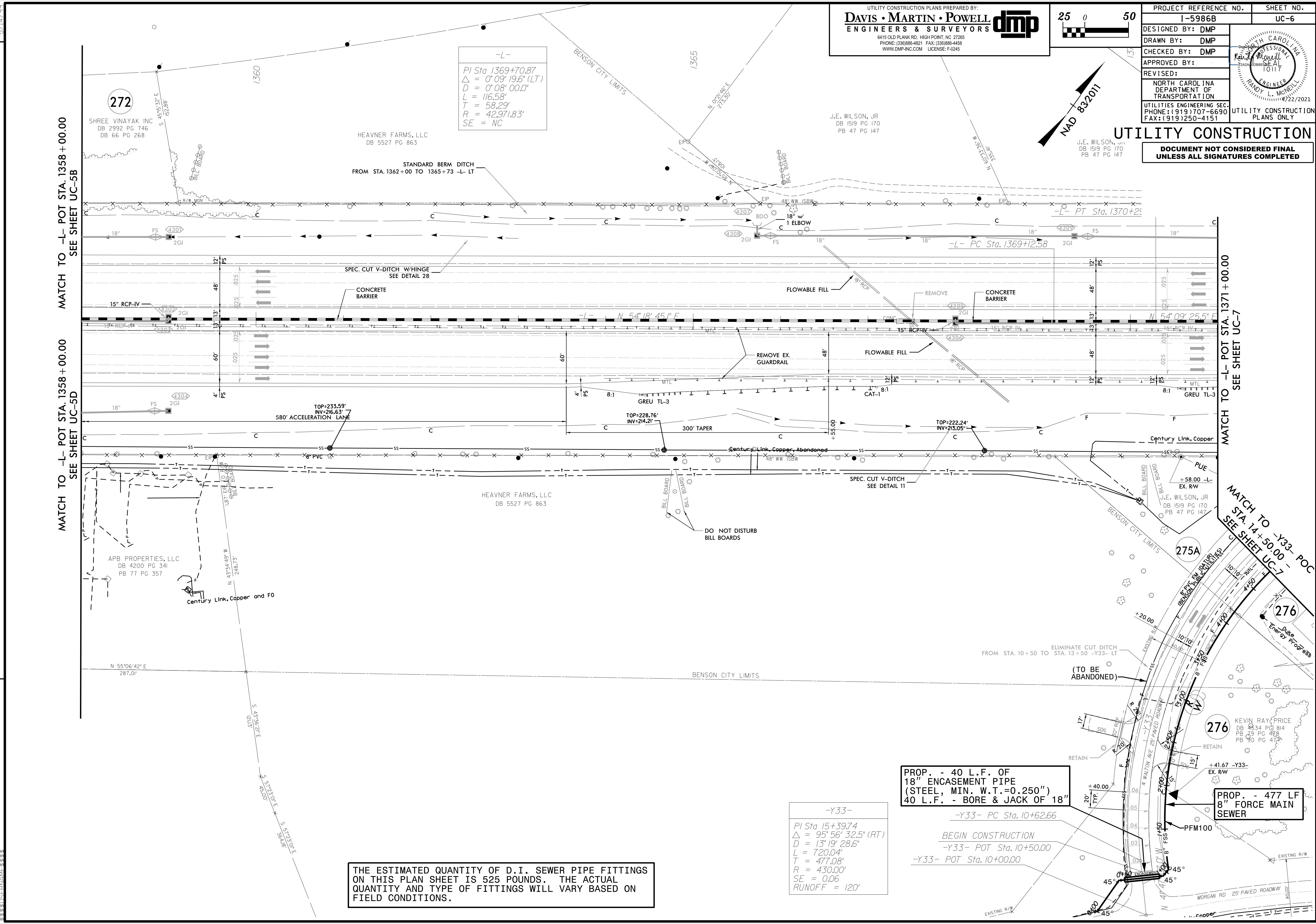
**-L-**  
PI Sta 1369+70.87  
 $\Delta = 0^{\circ} 09' 19.6" (LT)$   
 $D = 0^{\circ} 08' 00.0"$   
 $L = 116.58'$   
 $T = 58.29'$   
 $R = 42,971.83'$   
SE = NC

**-Y33-**  
PI Sta 15+39.74  
 $\Delta = 95^{\circ} 56' 32.5" (RT)$   
 $D = 13^{\circ} 19' 28.6"$   
 $L = 720.04'$   
 $T = 477.08'$   
 $R = 430.00'$   
SE = 0.06  
RUNOFF = 120'

THE ESTIMATED QUANTITY OF D.I. SEWER PIPE FITTINGS ON THIS PLAN SHEET IS 525 POUNDS. THE ACTUAL QUANTITY AND TYPE OF FITTINGS WILL VARY BASED ON FIELD CONDITIONS.

PROP. - 40 L.F. OF 18" ENCASEMENT PIPE (STEEL, MIN. W.T.=0.250")  
40 L.F. - BORE & JACK OF 18"

PROP. - 477 LF 8" FORCE MAIN SEWER



MATCH TO -L- POT STA. 1358+00.00  
SEE SHEET UC-5B

MATCH TO -L- POT STA. 1358+00.00  
SEE SHEET UC-5D

MATCH TO -L- POT STA. 1371+00.00  
SEE SHEET UC-7

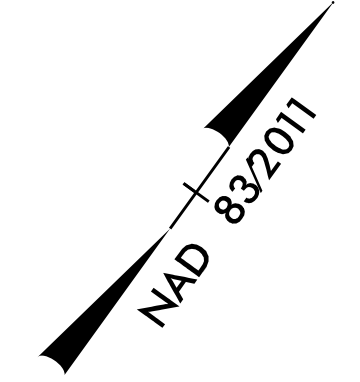
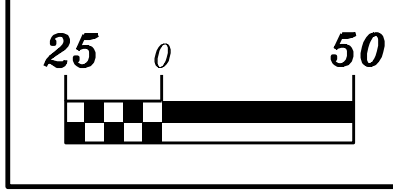
MATCH TO -Y33- POC STA. 14+50.00  
SEE SHEET UC-7

REVISIONS

5/14/2011  
SHEET NO. UC-6  
PROJECT NO. I-5986B  
DATE PLOTTED: 5/14/2011 10:00 AM  
SCALE: AS SHOWN  
DRAWN BY: DMP  
CHECKED BY: DMP  
APPROVED BY: DMP  
REVISED BY: DMP

5/14/2021

THE ESTIMATED QUANTITY OF D.I. SEWER PIPE FITTINGS ON THIS PLAN SHEET IS 220 POUNDS. THE ACTUAL QUANTITY AND TYPE OF FITTINGS WILL VARY BASED ON FIELD CONDITIONS.



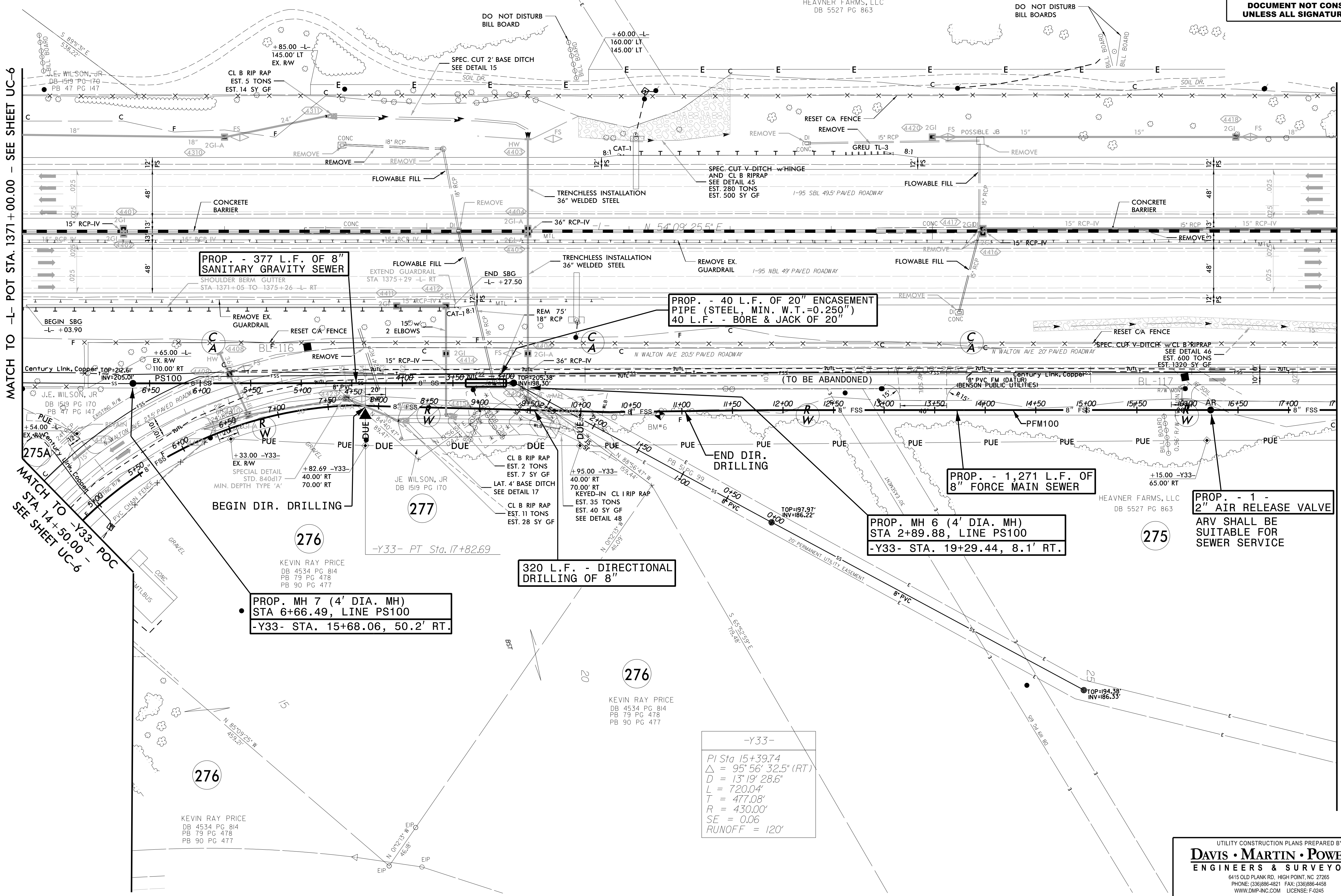
PROJECT REFERENCE NO.	SHEET NO.
I-5986B	UC-7
DESIGNED BY: DMP	
DRAWN BY: DMP	
CHECKED BY: DMP	
APPROVED BY:	
REVISED:	
NORTH CAROLINA DEPARTMENT OF TRANSPORTATION	
UTILITIES ENGINEERING SEC. PHONE: (919) 707-6690 FAX: (919) 250-4151	
UTILITY CONSTRUCTION PLANS ONLY	

### UTILITY CONSTRUCTION

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

MATCH TO -L- POT STA. 1371+00.00 - SEE SHEET UC-6

MATCH TO -L- POT STA. 1384+00.00 - SEE SHEET UC-8



PROP. - 377 L.F. OF 8" SANITARY GRAVITY SEWER

PROP. - 40 L.F. OF 20" ENCASEMENT PIPE (STEEL, MIN. W.T.=0.250") 40 L.F. - BORE & JACK OF 20"

PROP. - 1,271 L.F. OF 8" FORCE MAIN SEWER

PROP. - 1 - 2" AIR RELEASE VALVE

PROP. MH 6 (4' DIA. MH) STA 2+89.88, LINE PS100 -Y33- STA. 19+29.44, 8.1' RT.

PROP. MH 7 (4' DIA. MH) STA 6+66.49, LINE PS100 -Y33- STA. 15+68.06, 50.2' RT.

320 L.F. - DIRECTIONAL DRILLING OF 8"

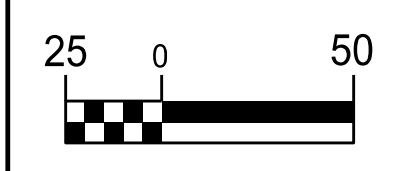
-Y33-

PI Sta 15+39.74  
 $\Delta = 95^{\circ} 56' 32.5" (RT)$   
 $D = 13^{\circ} 19' 28.6"$   
 $L = 720.04'$   
 $T = 477.08'$   
 $R = 430.00'$   
 $SE = 0.06$   
 $RUNOFF = 120'$

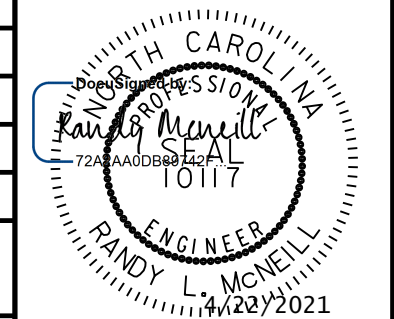
REVISIONS

MATCH TO -Y33- POC STA. 14+50.00 - SEE SHEET UC-6

THE ESTIMATED QUANTITY OF D.I. SEWER PIPE FITTINGS ON THIS PLAN SHEET IS 110 POUNDS. THE ACTUAL QUANTITY AND TYPE OF FITTINGS WILL VARY BASED ON FIELD CONDITIONS.



PROJECT REFERENCE NO.	I-5986B
SHEET NO.	UC-8
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**  
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

-Y19RPCA-

Pls Sta 11+08.02	Pls Sta 14+9.77	Pls Sta 17+26.56
Os = 3° 05' 38.3"	Δ = 19° 30' 05.2" (RT)	Os = 3° 05' 38.3"
Ls = 162.00'	D = 3° 49' 11.0"	Ls = 162.00'
LT = 108.02'	L = 510.55'	LT = 108.02'
ST = 54.02'	T = 257.77'	ST = 54.02'
	R = 1,500.00'	
	SE = 0.06	
	RUNOFF = 162'	

PROP. MH 3 (4' DIA. MH)  
STA 3+59.78, LINE PS300  
-L- STA. 1395+60.46, 164.3' LT.

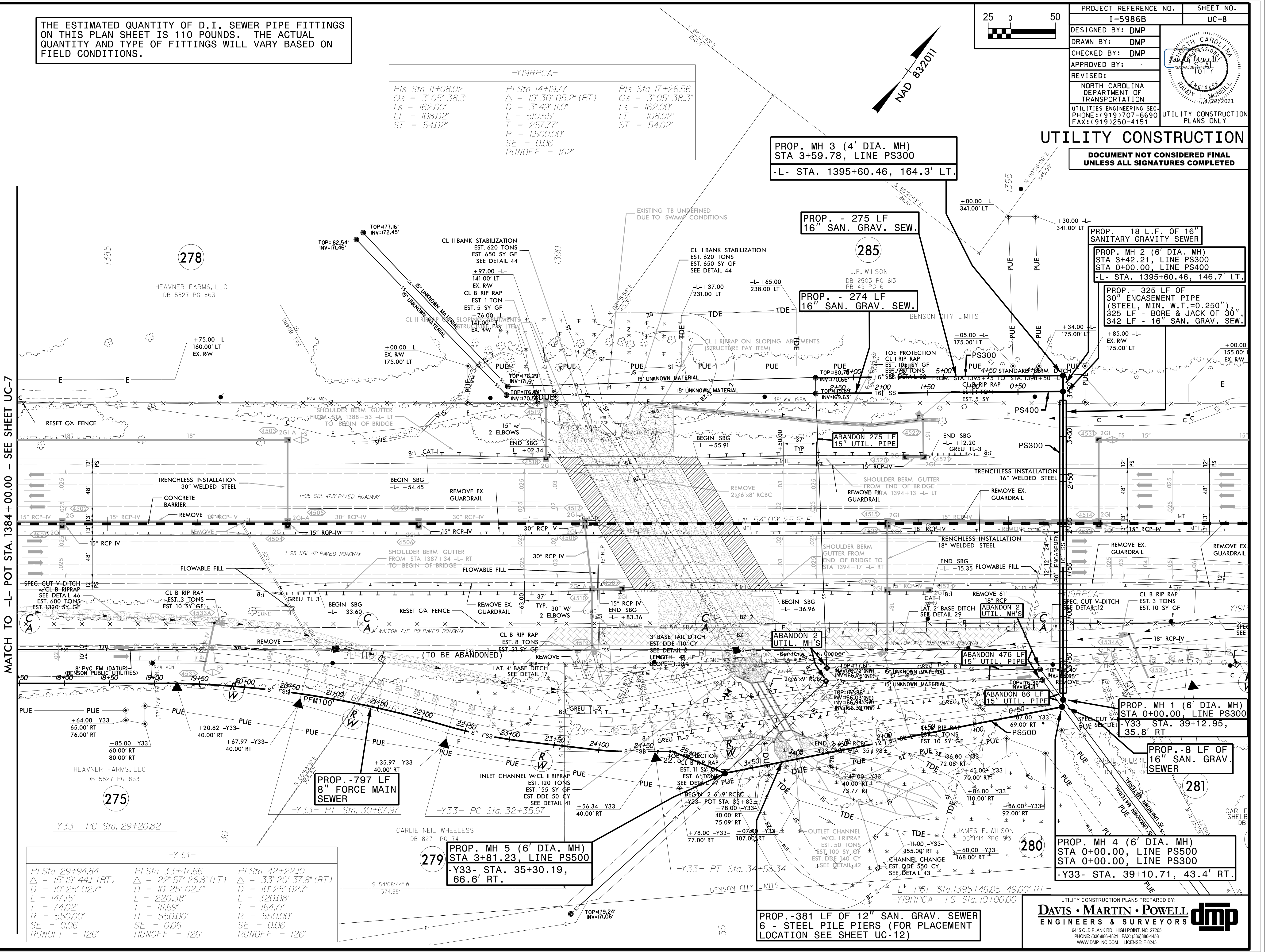
PROP. - 275 LF  
16" SAN. GRAV. SEW.

PROP. - 274 LF  
16" SAN. GRAV. SEW.

PROP. - 18 L.F. OF 16" SANITARY GRAVITY SEWER

PROP. MH 2 (6' DIA. MH)  
STA 3+42.21, LINE PS300  
STA 0+00.00, LINE PS400  
-L- STA. 1395+60.46, 146.7' LT.

PROP. - 325 LF OF 30" ENCASEMENT PIPE (STEEL, MIN. W.T.=0.250")  
325 LF - BORE & JACK OF 30",  
342 LF - 16" SAN. GRAV. SEW.



-Y33-

PI Sta 29+94.84	PI Sta 33+47.66	PI Sta 42+22.10
Δ = 15° 19' 44.1" (RT)	Δ = 22° 57' 26.8" (LT)	Δ = 33° 20' 37.8" (RT)
D = 10° 25' 02.7"	D = 10° 25' 02.7"	D = 10° 25' 02.7"
L = 147.15'	L = 220.38'	L = 320.08'
T = 74.02'	T = 111.69'	T = 164.71'
R = 550.00'	R = 550.00'	R = 550.00'
SE = 0.06	SE = 0.06	SE = 0.06
RUNOFF = 126'	RUNOFF = 126'	RUNOFF = 126'

PROP. MH 5 (6' DIA. MH)  
STA 3+81.23, LINE PS500  
-Y33- STA. 35+30.19,  
66.6' RT.

PROP. - 381 LF OF 12" SAN. GRAV. SEWER  
6 - STEEL PILE PIERS (FOR PLACEMENT LOCATION SEE SHEET UC-12)

PROP. MH 1 (6' DIA. MH)  
STA 0+00.00, LINE PS300  
-Y33- STA. 39+12.95,  
35.8' RT.

PROP. - 8 LF OF 16" SAN. GRAV. SEWER

PROP. MH 4 (6' DIA. MH)  
STA 0+00.00, LINE PS300  
-Y33- STA. 39+10.71, 43.4' RT.

UTILITY CONSTRUCTION PLANS PREPARED BY:  
**DAVIS • MARTIN • POWELL**  
ENGINEERS & SURVEYORS  
6415 OLD PLANK RD., HIGH POINT, NC 27265  
PHONE: (336) 886-4821 FAX: (336) 886-4458  
WWW.DMP-INC.COM LICENSE: F-2445

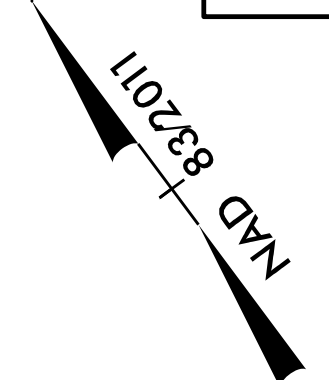
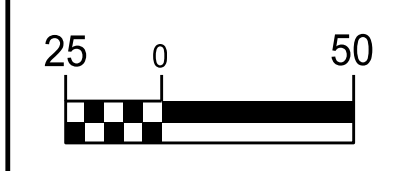
REVISIONS

MATCH TO -L- POT STA. 1384+00.00 - SEE SHEET UC-7

5/14/2019

THE ESTIMATED QUANTITY OF D.I. WATER PIPE FITTINGS ON THIS PLAN SHEET IS 355 POUNDS. THE ACTUAL QUANTITY AND TYPE OF FITTINGS WILL VARY BASED ON FIELD CONDITIONS.

-Y18-	
PI Sta 15+00.59	PI Sta 18+37.03
$\Delta = 2'18"50.3"(RT)$	$\Delta = 2'16"52.5"(RT)$
$D = 2'17"30.6"$	$D = 1'38"13.3"$
$L = 100.97'$	$L = 139.35'$
$T = 50.49'$	$T = 69.69'$
$R = 2,500.00'$	$R = 3,500.00'$
SE = EXIST.	SE = EXIST.

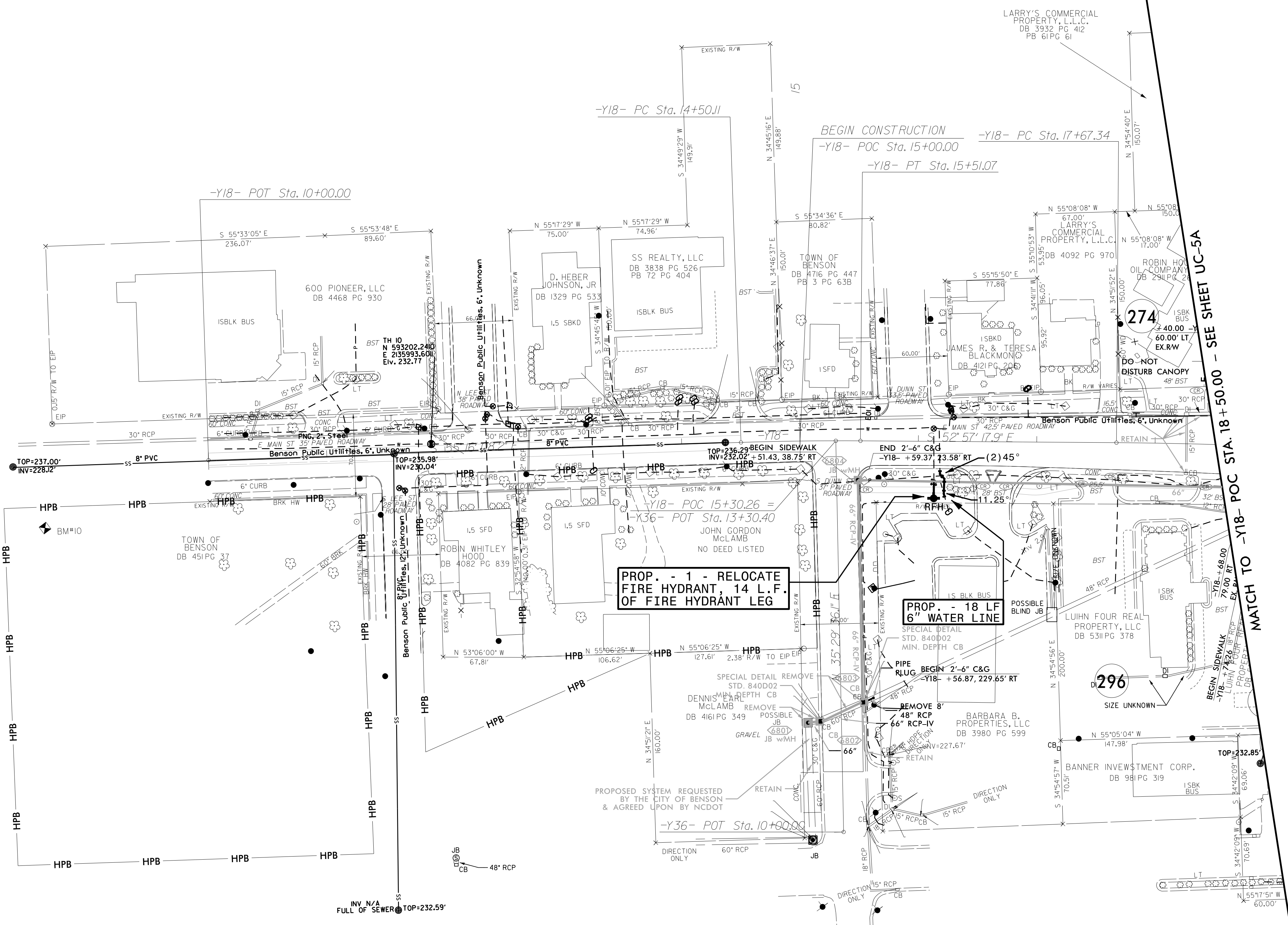


PROJECT REFERENCE NO.	SHEET NO.
I-5986B	UC-9
DESIGNED BY: DMP	
DRAWN BY: DMP	
CHECKED BY: DMP	
APPROVED BY:	
REVISED:	
NORTH CAROLINA DEPARTMENT OF TRANSPORTATION	
UTILITIES ENGINEERING SEC. PHONE: (919) 707-6690 FAX: (919) 250-4151	UTILITY CONSTRUCTION PLANS ONLY

### UTILITY CONSTRUCTION

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REVISIONS



MATCH TO -Y18- POC STA. 18 + 50.00 - SEE SHEET UC-5A

1. 5/14/2019  
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5/14/2019

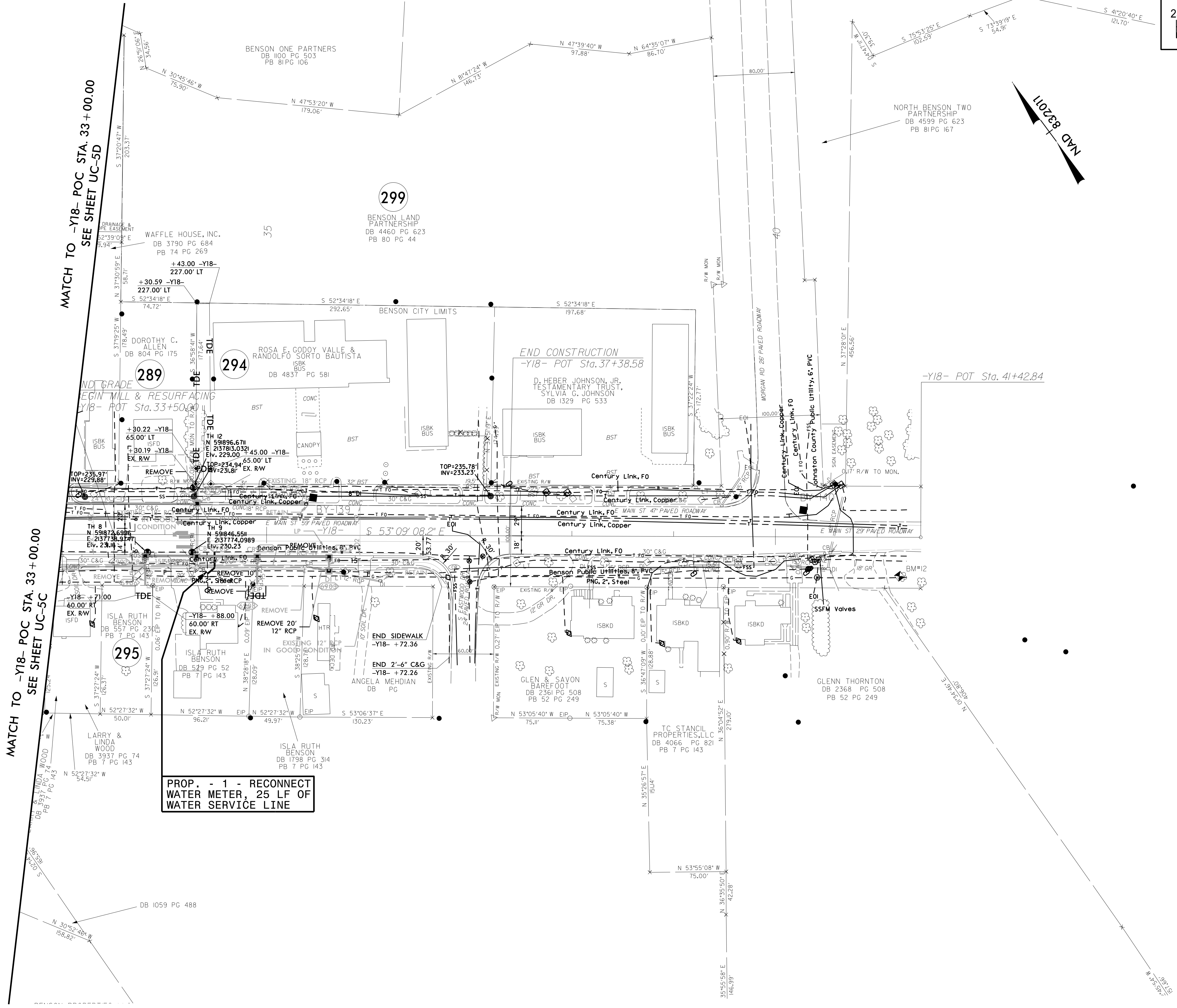


PROJECT REFERENCE NO.	SHEET NO.
I-5986B	UC-10
DESIGNED BY: DMP	
DRAWN BY: DMP	
CHECKED BY: DMP	
APPROVED BY:	
REVISED:	
NORTH CAROLINA DEPARTMENT OF TRANSPORTATION	
UTILITIES ENGINEERING SEC. PHONE: (919) 707-6690 FAX: (919) 250-4151	UTILITY CONSTRUCTION PLANS ONLY

### UTILITY CONSTRUCTION

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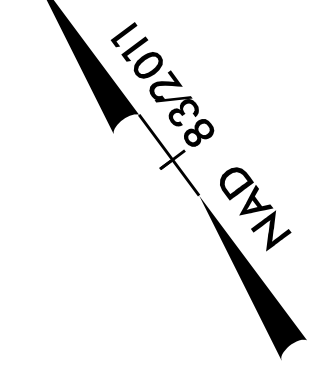
REVISIONS



MATCH TO -Y18- POC STA. 33+00.00  
SEE SHEET UC-5D

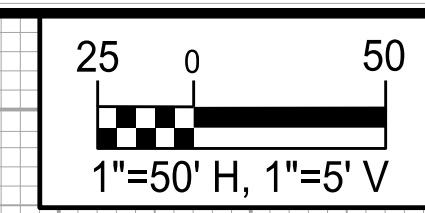
MATCH TO -Y18- POC STA. 33+00.00  
SEE SHEET UC-5C

PROP. - 1 - RECONNECT WATER METER, 25 LF OF WATER SERVICE LINE





5/14/99

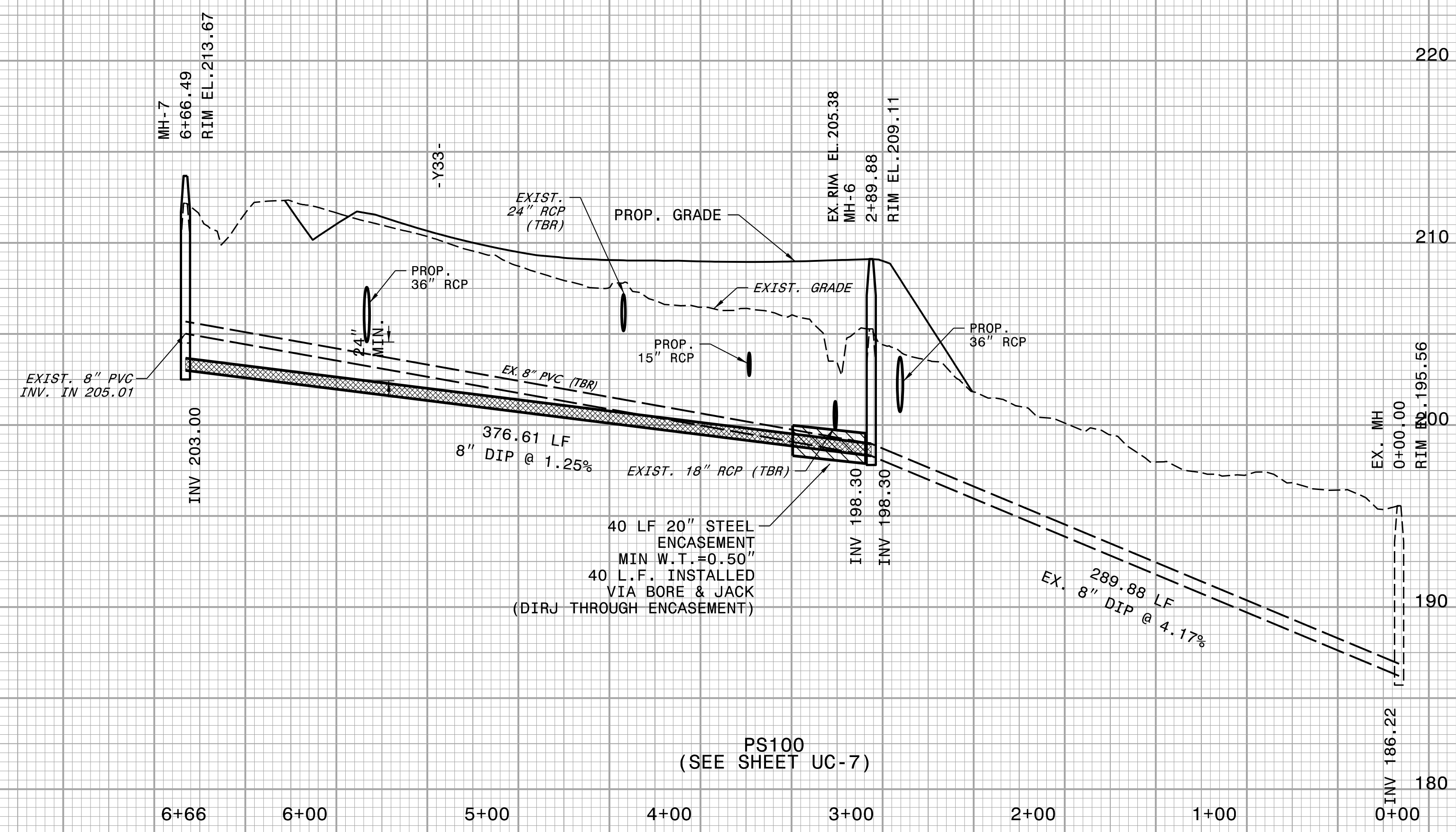
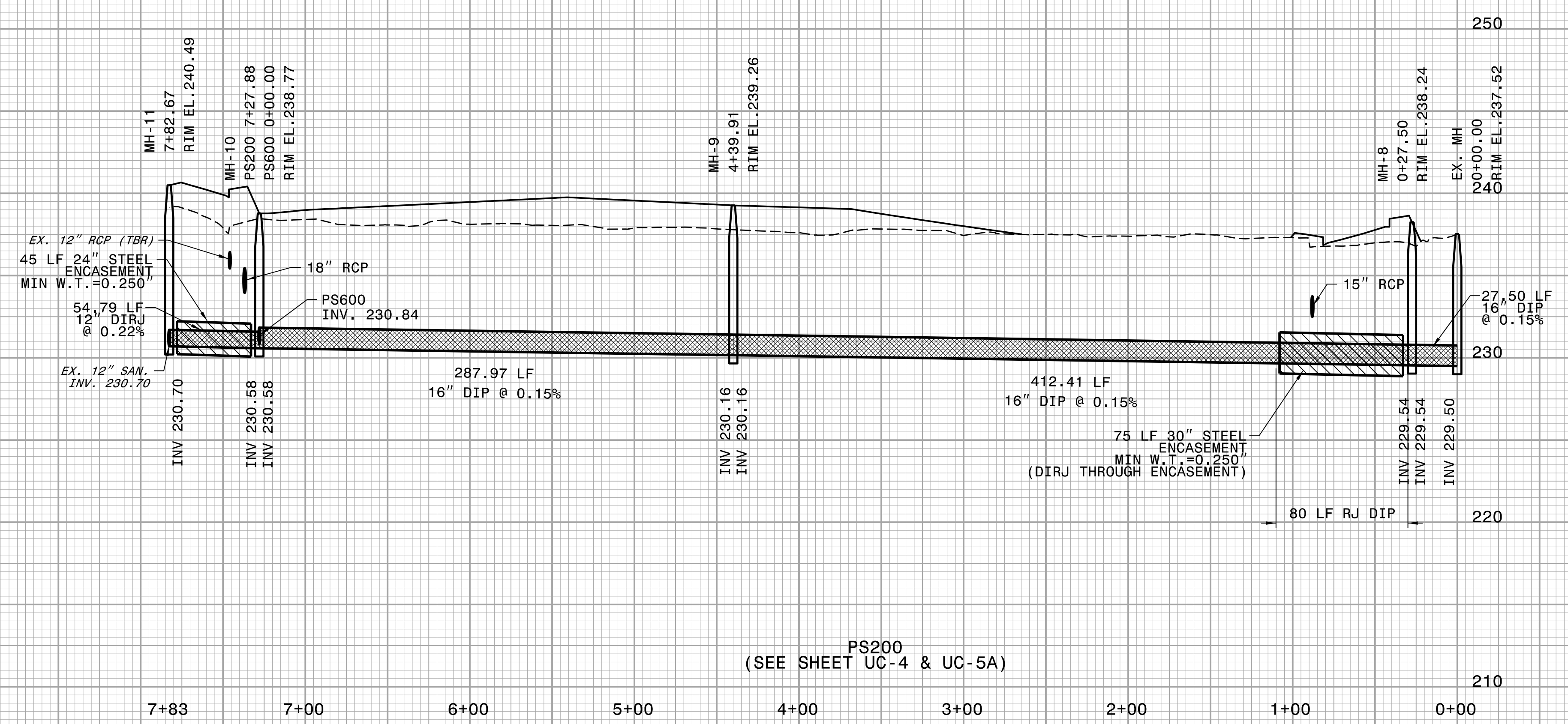


PROJECT REFERENCE NO. <b>I-5986B</b>	SHEET NO. <b>UC-11</b>
DESIGNED BY: <b>DMP</b>	
DRAWN BY: <b>DMP</b>	
CHECKED BY: <b>DMP</b>	
APPROVED BY:	
REVISED:	
NORTH CAROLINA DEPARTMENT OF TRANSPORTATION	
UTILITIES ENGINEERING SEC. PHONE: (919) 707-6690 FAX: (919) 250-4151	UTILITY CONSTRUCTION PLANS ONLY

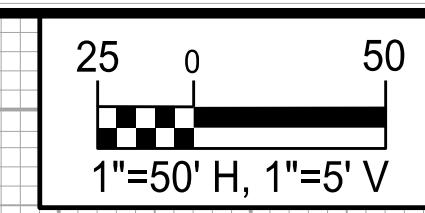
### UTILITY CONSTRUCTION

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5/14/2021



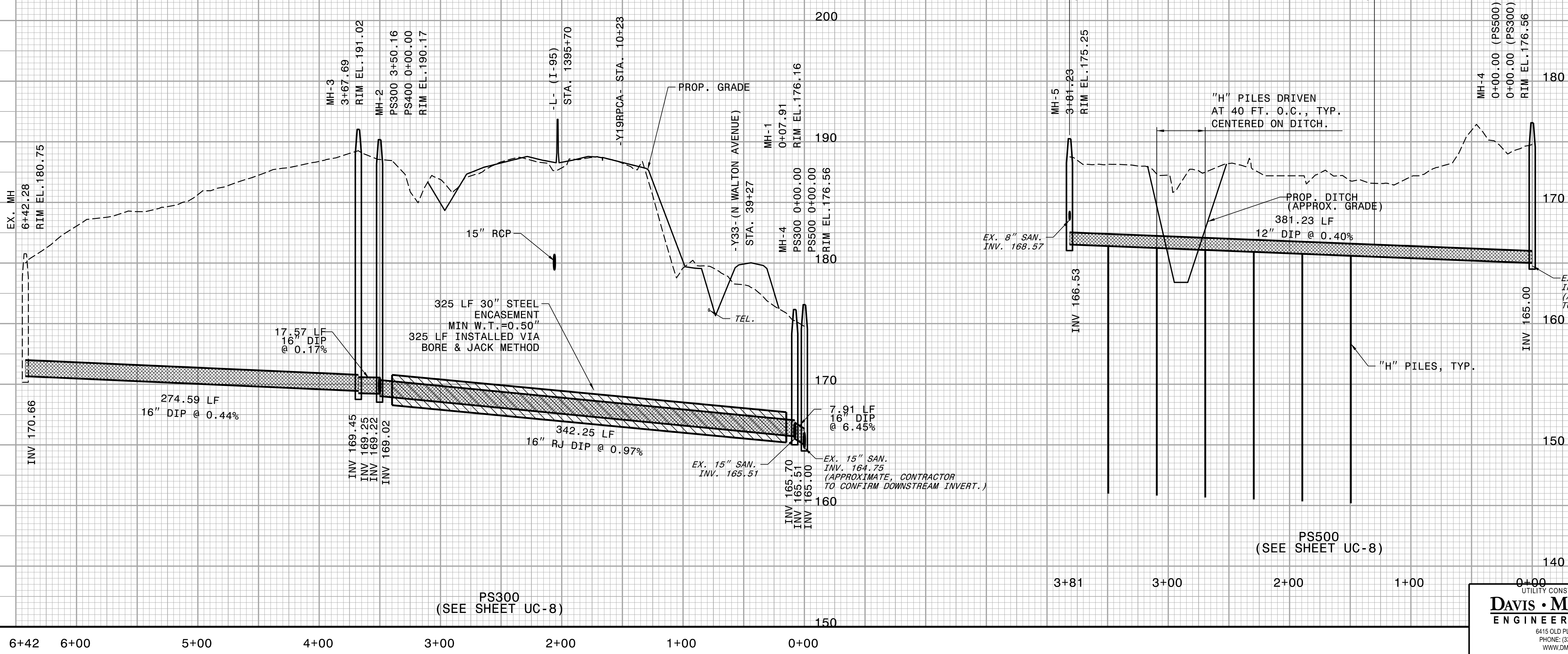
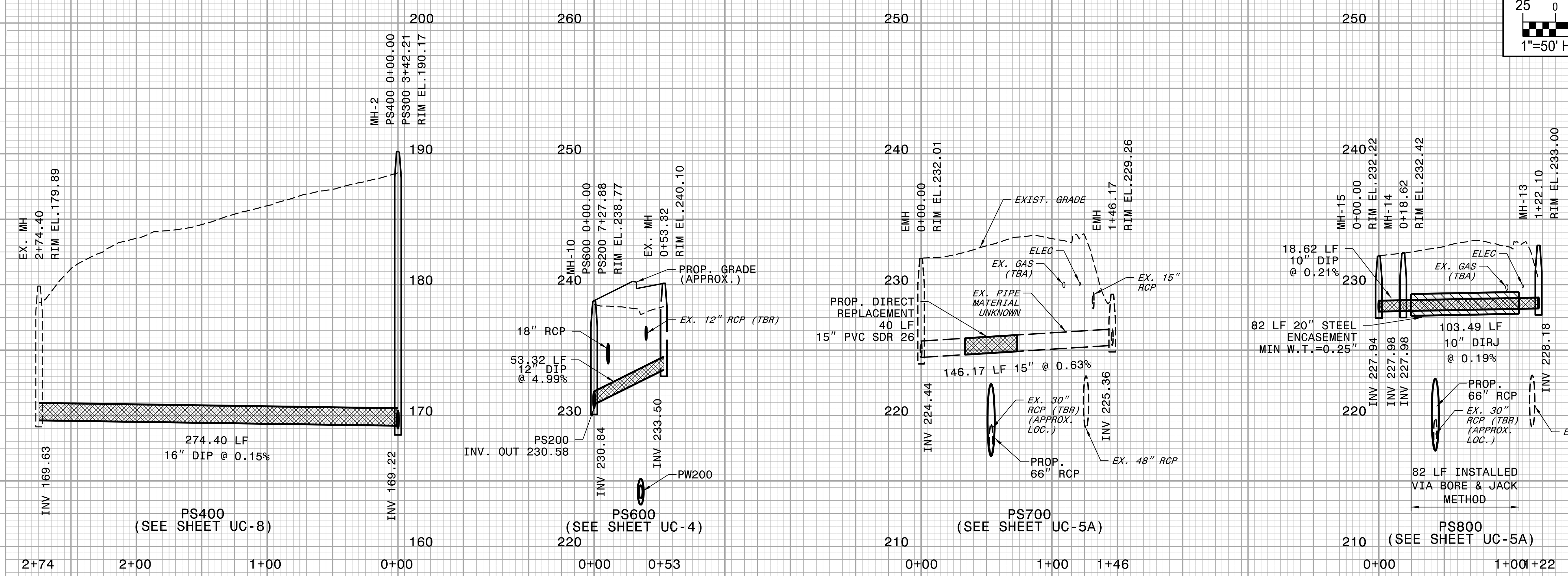
PROJECT REFERENCE NO.	SHEET NO.
I-5986B	UC-12
DESIGNED BY: DMP	
DRAWN BY: DMP	
CHECKED BY: DMP	
APPROVED BY:	
REVISED:	
NORTH CAROLINA DEPARTMENT OF TRANSPORTATION	
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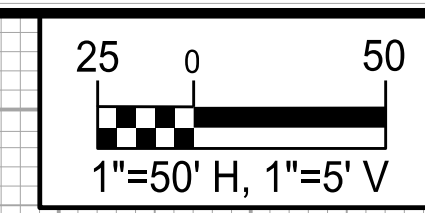
### UTILITY CONSTRUCTION

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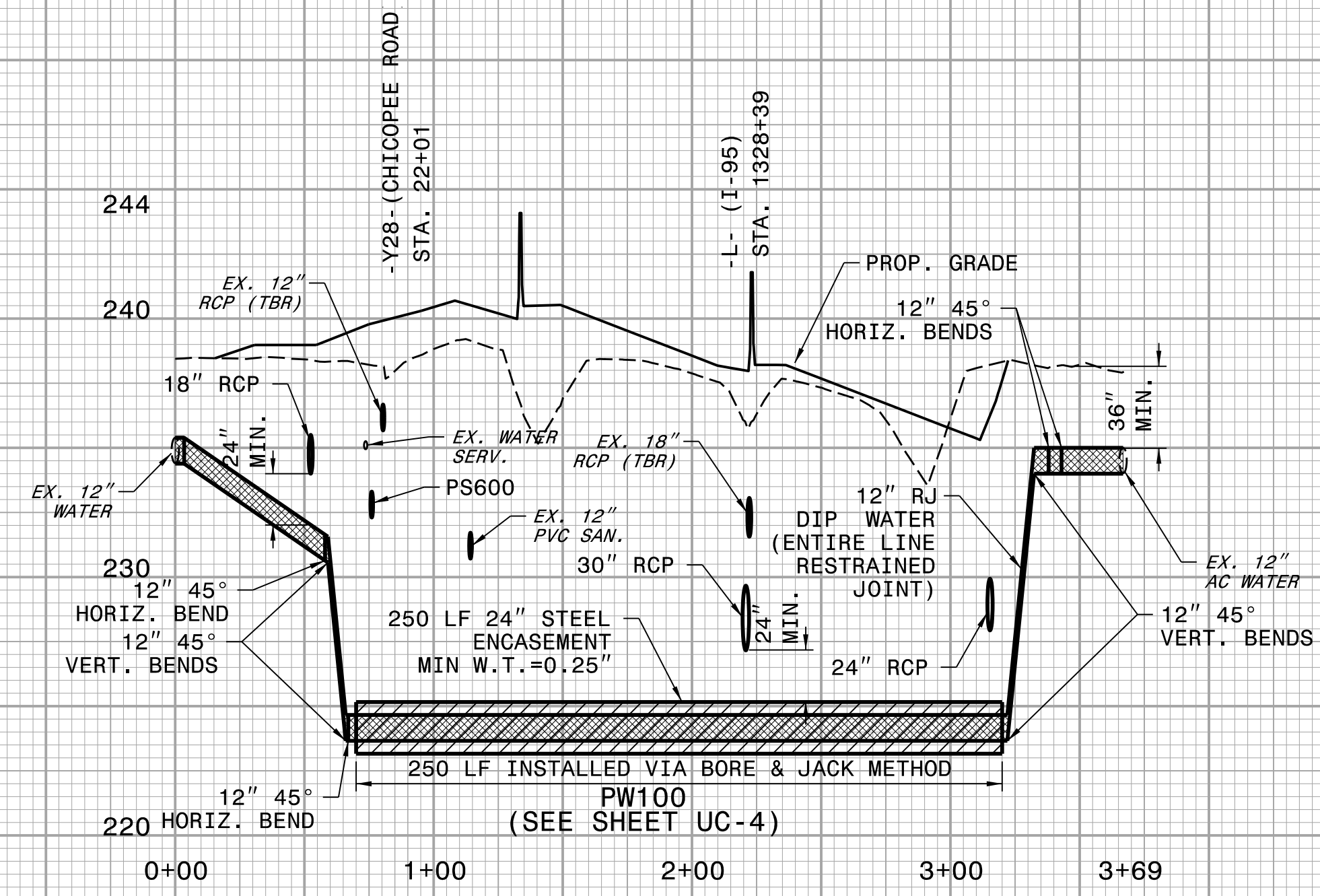


PROJECT REFERENCE NO. <b>I-5986B</b>	SHEET NO. <b>UC-13</b>
DESIGNED BY: <b>DMP</b>	
DRAWN BY: <b>DMP</b>	
CHECKED BY: <b>DMP</b>	
APPROVED BY:	
REVISED:	
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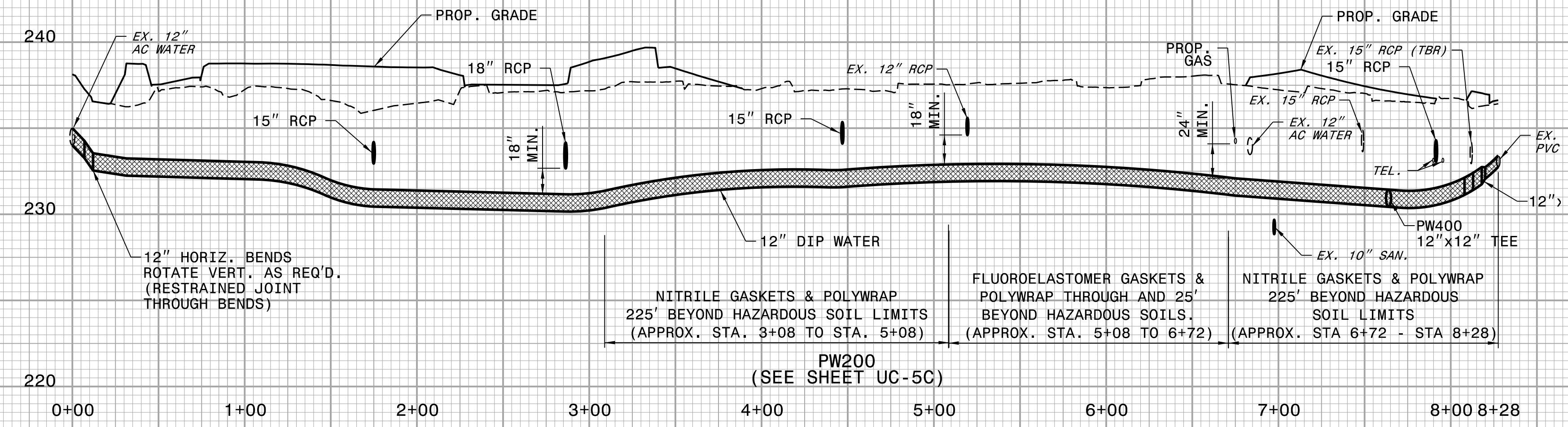
### UTILITY CONSTRUCTION

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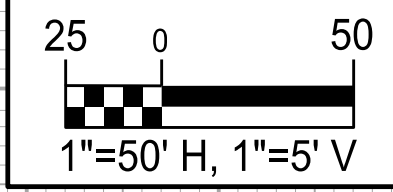
REVISIONS



NOTE:  
 EXISTING GAS AND COMMUNICATION LINES  
 TO BE ABANDONED/RELOCATED PRIOR TO  
 CONSTRUCTION OF THE WATER LINE AND ARE  
 NOT SHOWN IN THE PROFILE.



5/14/99

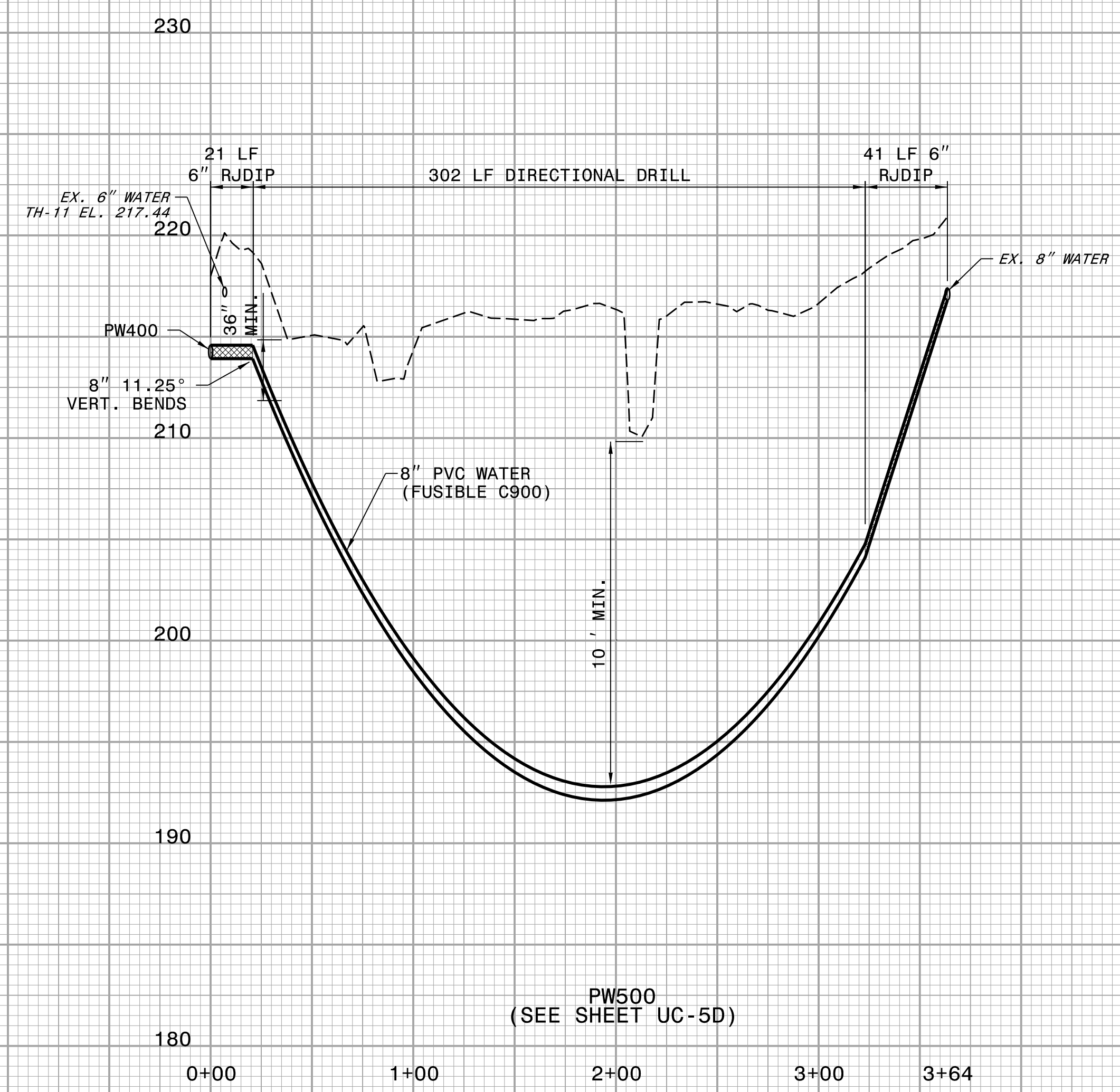
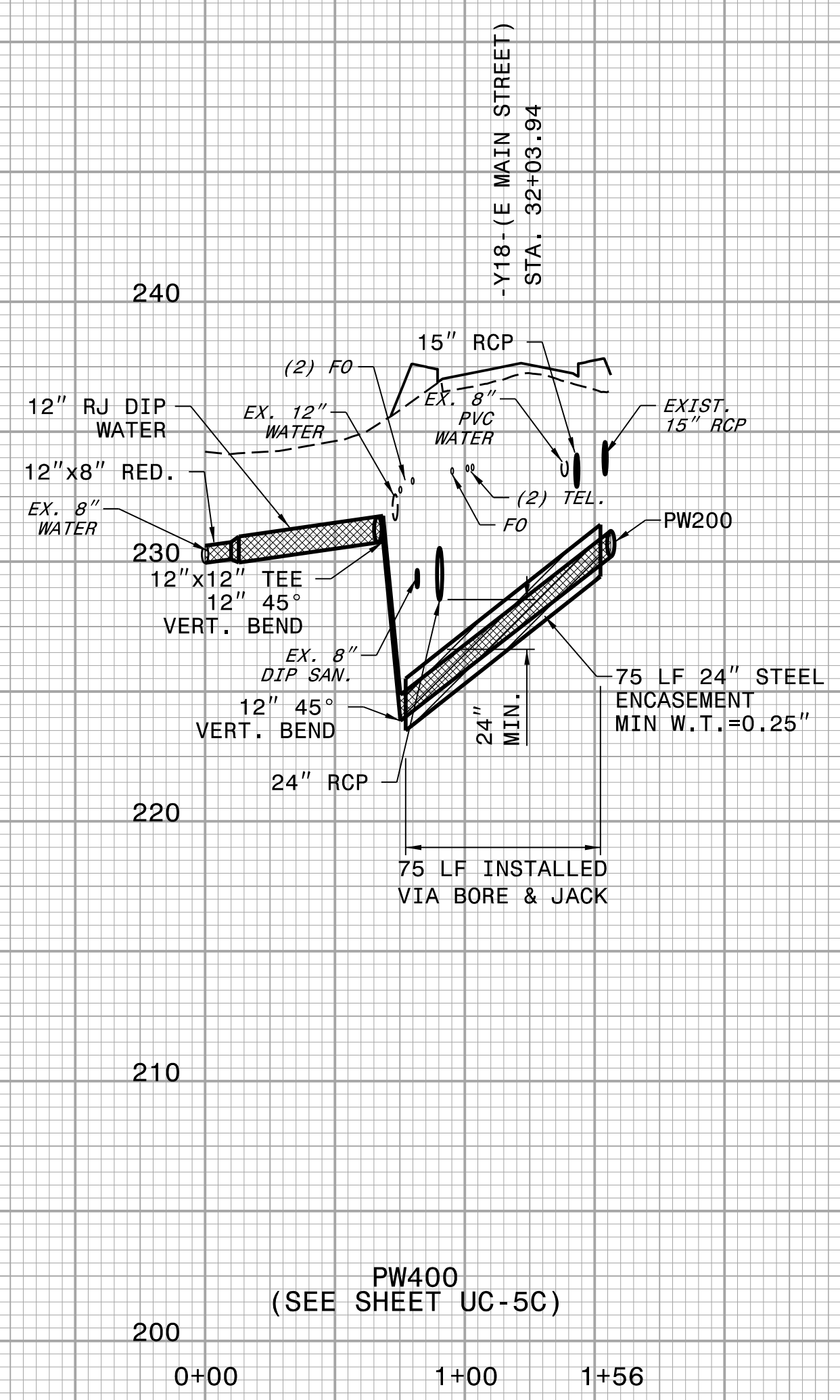
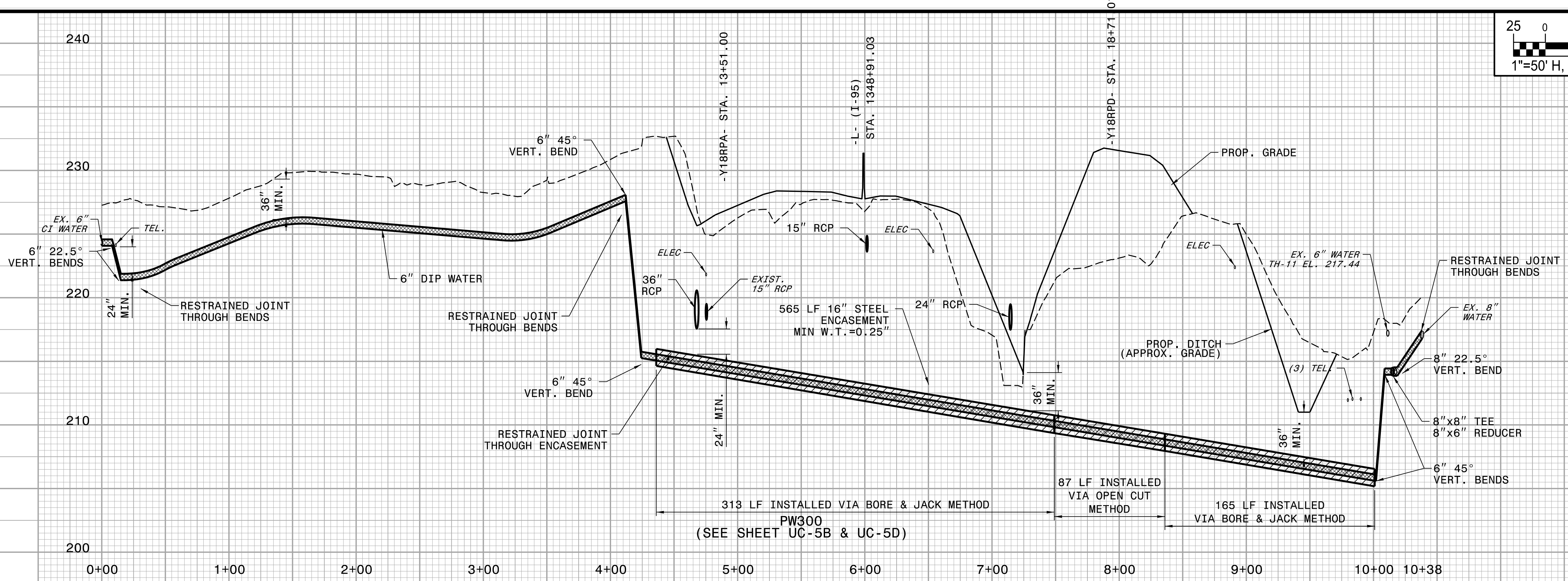


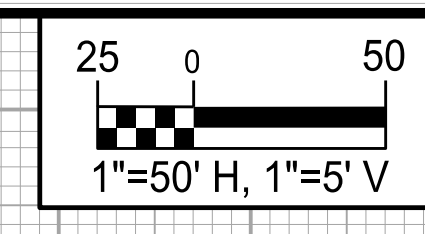
PROJECT REFERENCE NO.	SHEET NO.
I-5986B	UC-14
DESIGNED BY: DMP	
DRAWN BY: DMP	
CHECKED BY: DMP	
APPROVED BY:	
REVISED:	
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### UTILITY CONSTRUCTION

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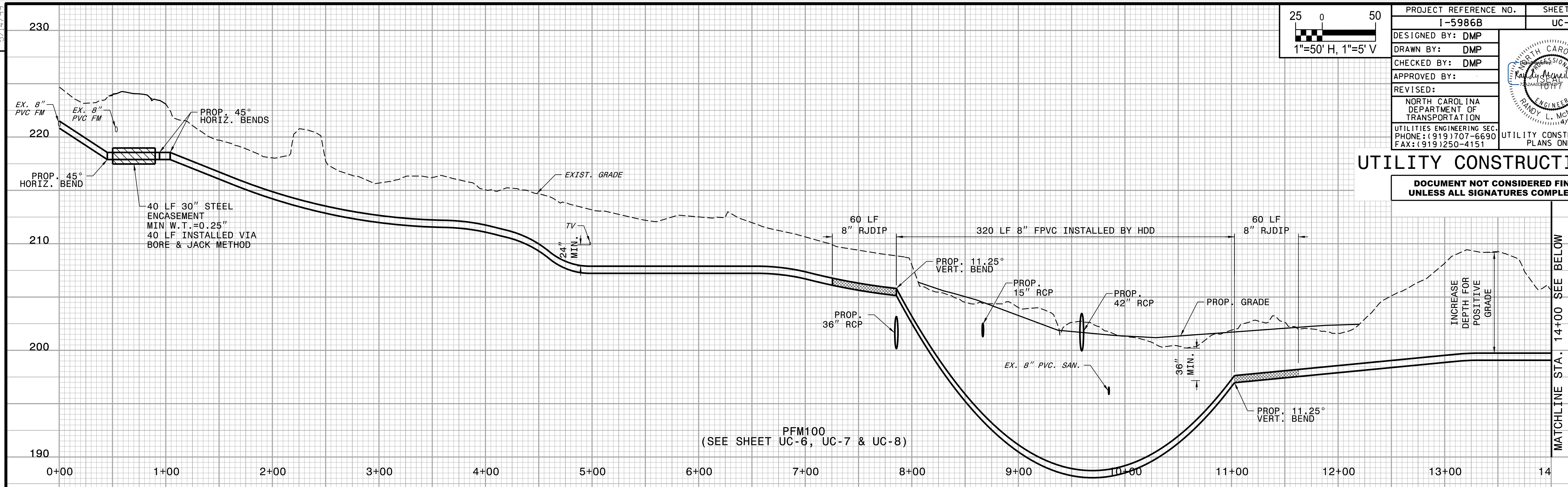


PROJECT REFERENCE NO. <b>I-5986B</b>	SHEET NO. <b>UC-15</b>
DESIGNED BY: <b>DMP</b>	
DRAWN BY: <b>DMP</b>	
CHECKED BY: <b>DMP</b>	
APPROVED BY:	
REVISED:	
NORTH CAROLINA DEPARTMENT OF TRANSPORTATION	
UTILITIES ENGINEERING SEC. PHONE: (919) 707-6690 FAX: (919) 250-4151	UTILITY CONSTRUCTION PLANS ONLY

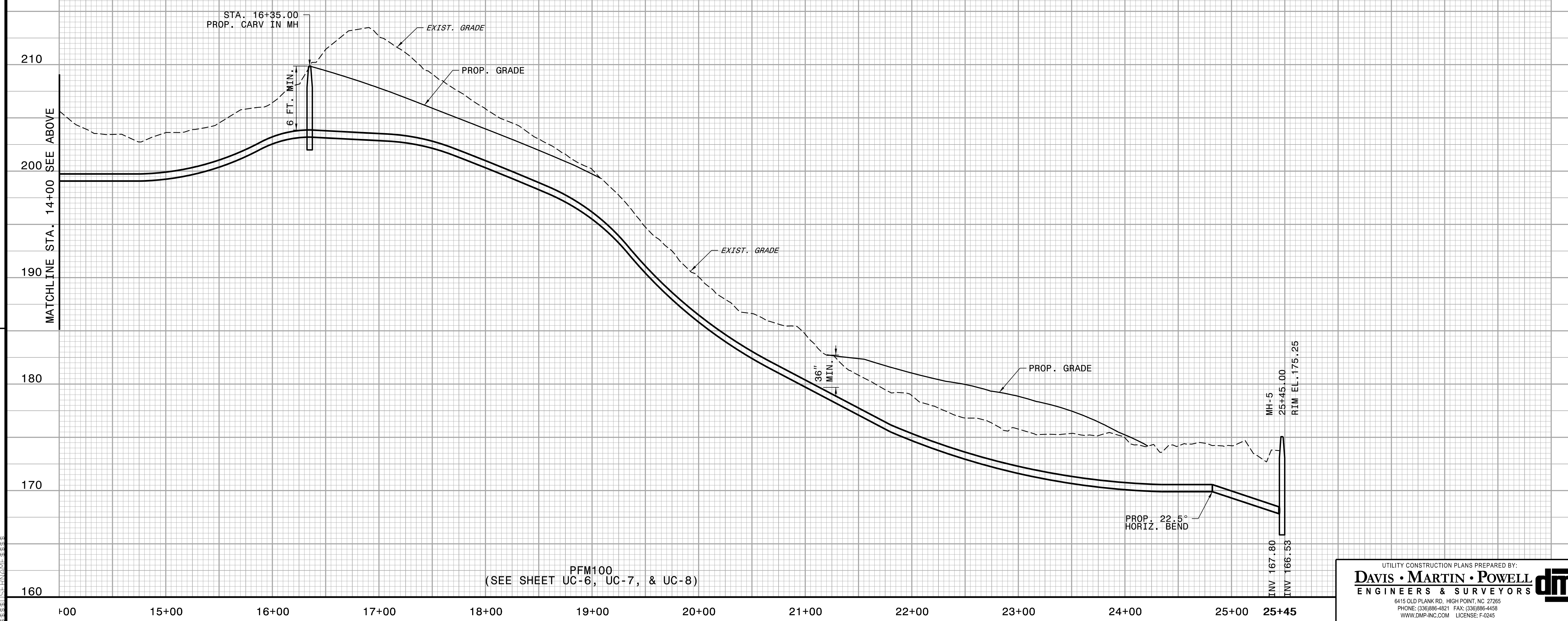
### UTILITY CONSTRUCTION

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REVISIONS



PFM100  
(SEE SHEET UC-6, UC-7 & UC-8)



PFM100  
(SEE SHEET UC-6, UC-7, & UC-8)

UTILITY CONSTRUCTION PLANS PREPARED BY:

**DAVIS • MARTIN • POWELL**  
 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