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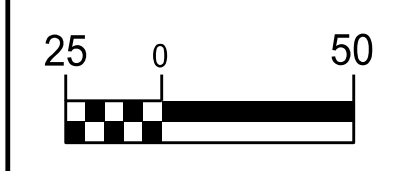
**The documents contained herein were originally issued  
and sealed by the individuals whose names and license  
numbers appear on each page, on the dates appearing  
with their signature on that page.**

**This file or an individual page  
shall not be considered a certified document.**

**-Y4RPA-**

Pls Sta 13+08.90  
 $\Delta s = 4' 17" 49.9'$   
 $Ls = 216.00'$   
 $LT = 144.04'$   
 $ST = 72.04'$

Pl Sta 16+23.12  
 $\Delta = 19' 05" 58.5" (RT)$   
 $D = 3' 58" 43.9"$   
 $L = 480.02'$   
 $T = 242.26'$   
 $R = 1,440.00'$   
 $SE = .08$   
 $DS = 60 MPH$

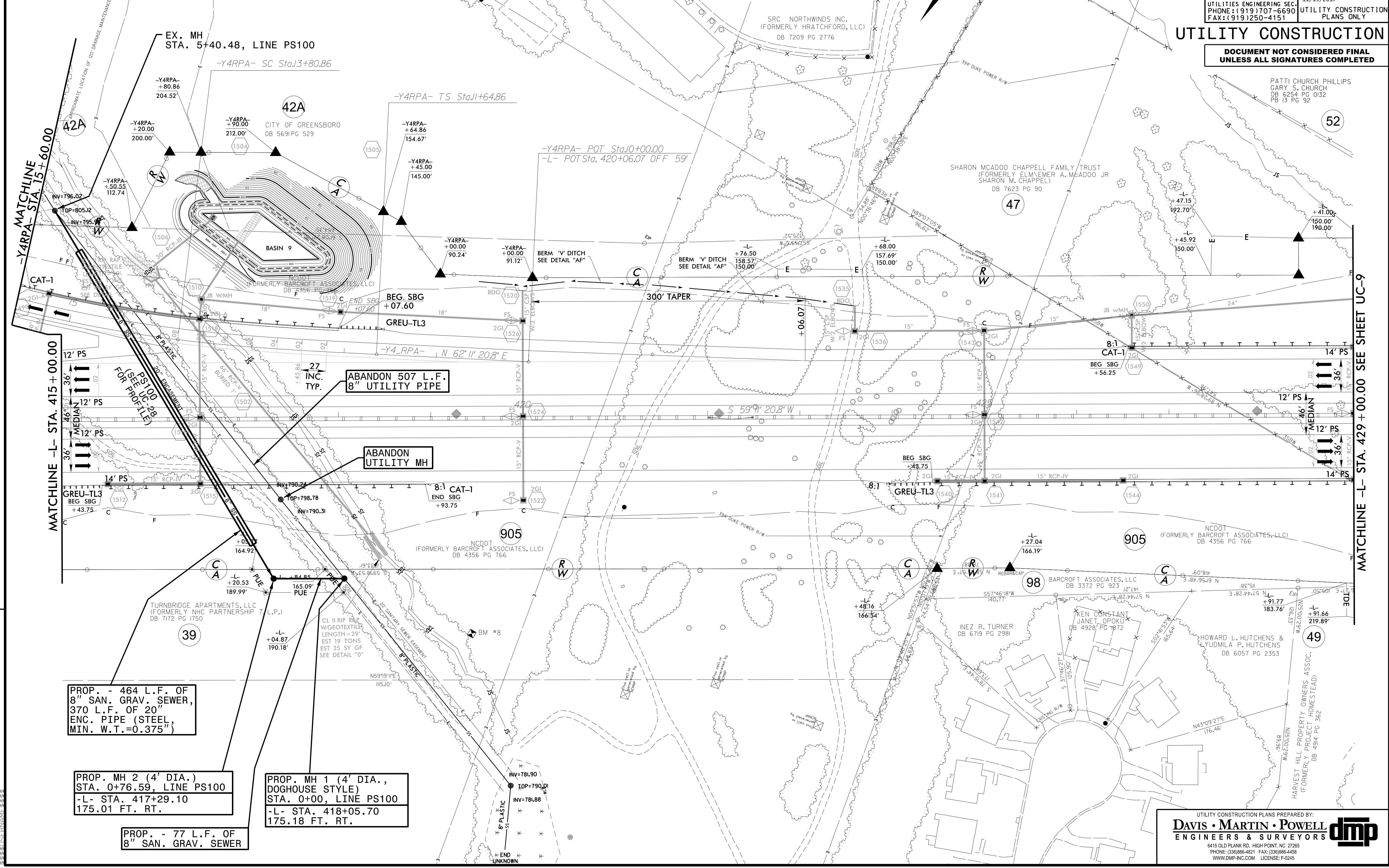


PROJECT REFERENCE NO.	SHEET NO.
U-2525C	UC-8
DESIGNED BY: APL	
DRAWN BY: RDL	
CHECKED BY: APL	
APPROVED BY:	
REVISED:	
NORTH CAROLINA DEPARTMENT OF TRANSPORTATION UTILITIES ENGINEERING SEC. PHONE: (919) 707-6690 FAX: (919) 250-4151	
UTILITY CONSTRUCTION PLANS ONLY	

**UTILITY CONSTRUCTION**

**DOCUMENT NOT CONSIDERED FINAL  
 UNLESS ALL SIGNATURES COMPLETED**

PATTI CHURCH PHILLIPS  
 GARY S. CHURCH  
 DB 6254 PG 032  
 PB 13 PG 92



PROP. - 464 L.F. OF  
 8" SAN. GRAV. SEWER,  
 370 L.F. OF 20"  
 ENC. PIPE (STEEL,  
 MIN. W.T.=0.375")

PROP. MH 2 (4' DIA.)  
 STA. 0+76.59, LINE PS100  
 -L- STA. 417+29.10  
 175.01 FT. RT.

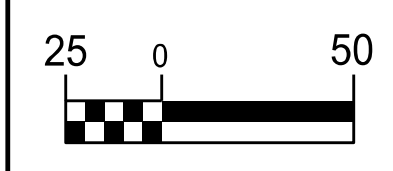
PROP. MH 1 (4' DIA.,  
 DOGHOUSE STYLE)  
 STA. 0+00, LINE PS100  
 -L- STA. 418+05.70  
 175.18 FT. RT.

PROP. - 77 L.F. OF  
 8" SAN. GRAV. SEWER

REVISIONS

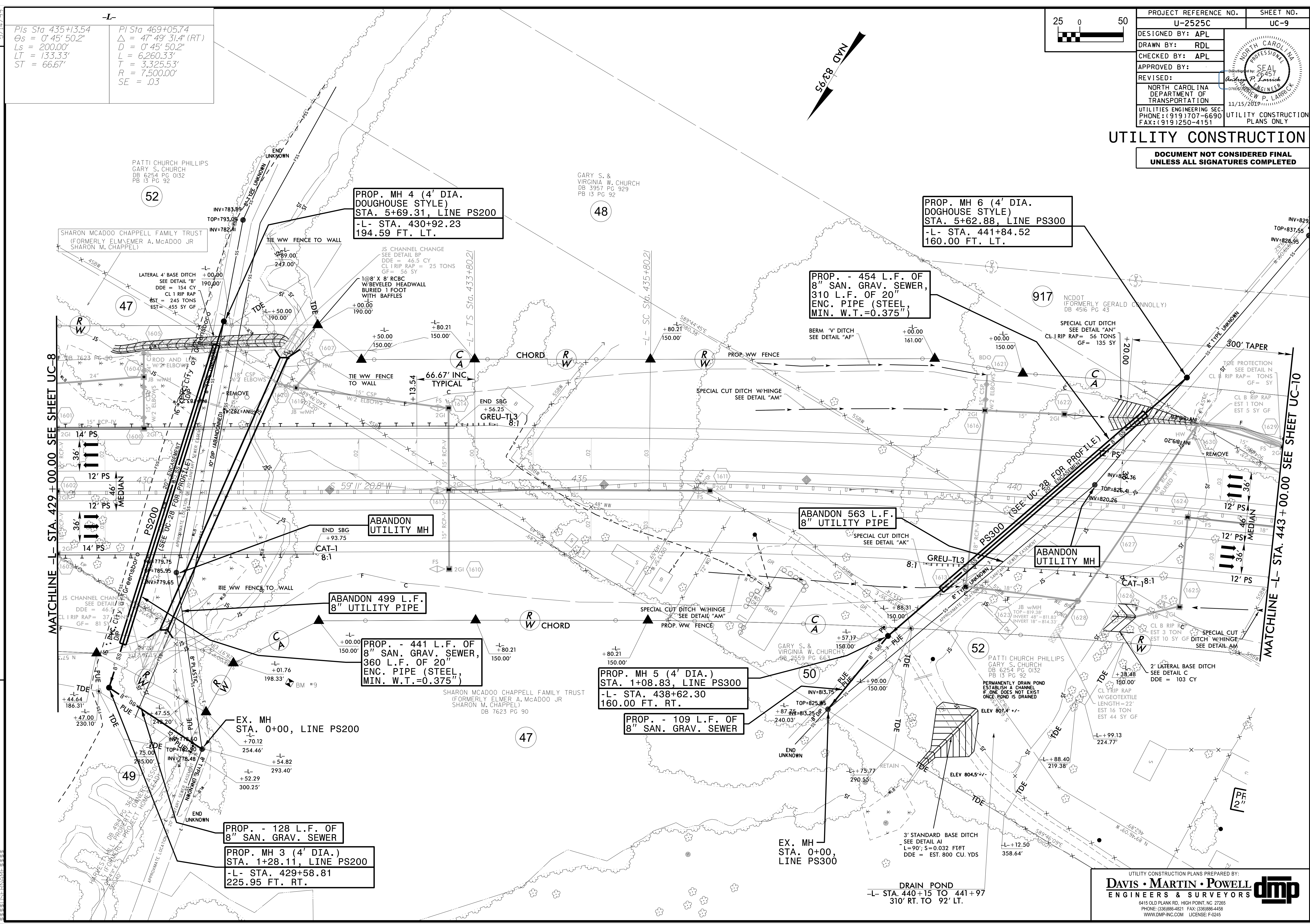
MATCHLINE -L- STA. 429 + 00.00 SEE SHEET UC-9

-L-  
 PIs Sta 435+13.54  
 Δs = 0° 45' 50.2"  
 Ls = 200.00'  
 LT = 133.33'  
 ST = 66.67'  
 PI Sta 469+05.74  
 Δ = 47° 49' 31.4" (RT)  
 D = 0° 45' 50.2"  
 L = 6,260.33'  
 T = 3,325.53'  
 R = 7,500.00'  
 SE = .03



PROJECT REFERENCE NO.	SHEET NO.
U-2525C	UC-9
DESIGNED BY: APL	
DRAWN BY: RDL	
CHECKED BY: APL	
APPROVED BY:	
REVISED:	
NORTH CAROLINA DEPARTMENT OF TRANSPORTATION 11/15/2019 UTILITIES ENGINEERING SEC. PHONE: (919) 707-6690 FAX: (919) 250-4151	
UTILITY CONSTRUCTION PLANS ONLY	

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MATCHLINE -L- STA. 429+00.00 SEE SHEET UC-8

MATCHLINE -L- STA. 443+00.00 SEE SHEET UC-10

**PROP. MH 4 (4' DIA. DOUGHOUSE STYLE)**  
**STA. 5+69.31, LINE PS200**  
 -L- STA. 430+92.23  
 194.59 FT. LT.

**PROP. MH 6 (4' DIA. DOUGHOUSE STYLE)**  
**STA. 5+62.88, LINE PS300**  
 -L- STA. 441+84.52  
 160.00 FT. LT.

**PROP. - 454 L.F. OF 8" SAN. GRAV. SEWER,**  
**310 L.F. OF 20" ENC. PIPE (STEEL, MIN. W.T.=0.375")**

ABANDON UTILITY MH

ABANDON 563 L.F. 8" UTILITY PIPE

ABANDON UTILITY MH

ABANDON 499 L.F. 8" UTILITY PIPE

**PROP. - 441 L.F. OF 8" SAN. GRAV. SEWER,**  
**360 L.F. OF 20" ENC. PIPE (STEEL, MIN. W.T.=0.375")**

**PROP. MH 5 (4' DIA.)**  
**STA. 1+08.83, LINE PS300**  
 -L- STA. 438+62.30  
 160.00 FT. RT.

**PROP. - 109 L.F. OF 8" SAN. GRAV. SEWER**

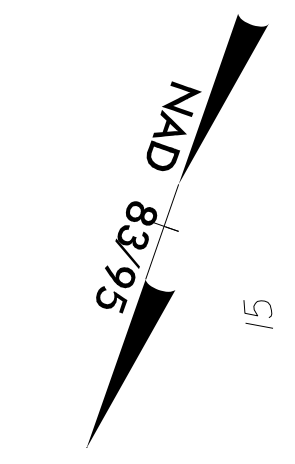
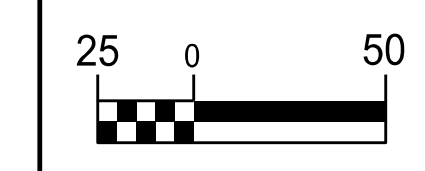
**EX. MH STA. 0+00, LINE PS200**

**PROP. - 128 L.F. OF 8" SAN. GRAV. SEWER**

**PROP. MH 3 (4' DIA.)**  
**STA. 1+28.11, LINE PS200**  
 -L- STA. 429+58.81  
 225.95 FT. RT.

**EX. MH STA. 0+00, LINE PS300**

**DRAIN POND**  
 -L- STA. 440+15 TO 441+97  
 310' RT. TO 92' LT.

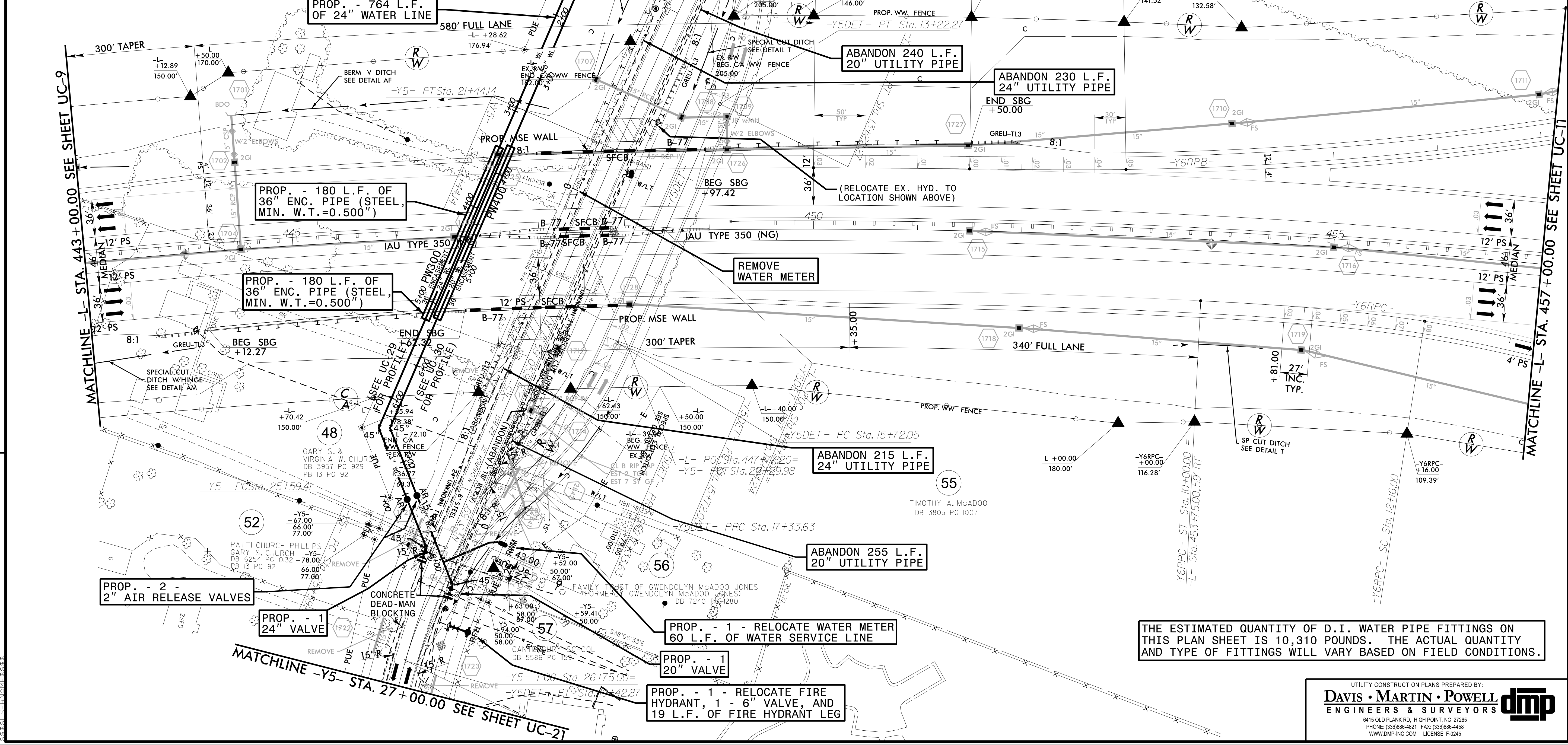


PROJECT REFERENCE NO.	SHEET NO.
U-2525C	UC-10
DESIGNED BY: APL	
DRAWN BY: RDL	
CHECKED BY: APL	
APPROVED BY:	
REVISED:	
NORTH CAROLINA DEPARTMENT OF TRANSPORTATION UTILITIES ENGINEERING SECTION PHONE: (919) 707-6690 FAX: (919) 250-4151	
UTILITY CONSTRUCTION PLANS ONLY 11/15/2017 PREPARED BY: KEVIN P. LARRICK	

**UTILITY CONSTRUCTION**

**DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED**

<p><b>-L-</b></p> <p>Pls Sta 435+13.54  <math>\Delta = 0' 45' 50.2''</math>  <math>D = 200.00'</math>  <math>LT = 133.33'</math>  <math>ST = 66.67'</math></p>	<p>Pls Sta 469+05.74  <math>\Delta = 47' 49' 31.4''</math> (RT)  <math>D = 0' 45' 50.2''</math>  <math>L = 6,260.33'</math>  <math>T = 3,325.53'</math>  <math>R = 7,500.00'</math>  <math>SE = .03</math></p>	<p>Pls Sta 10+50.00  <math>s = 0' 34' 06.5''</math>  <math>Ls = 150.00'</math>  <math>LT = 100.00'</math>  <math>ST = 50.00'</math></p>
<p><b>-Y5-</b></p> <p>Pls Sta 19+96.46  <math>\Delta = 3' 12' 21.5''</math> (LT)  <math>D = 1' 05' 06.5''</math>  <math>L = 295.44'</math>  <math>T = 147.76'</math>  <math>R = 5,280.00'</math>  <math>SE = RC</math>  <math>DS = 50 MPH</math></p>	<p>Pls Sta 27+08.79  <math>\Delta = 18' 50' 52.1''</math> (LT)  <math>D = 6' 21' 58.3''</math>  <math>L = 296.06'</math>  <math>T = 149.38'</math>  <math>R = 900.00'</math>  <math>SE = 04</math>  <math>DS = 45 MPH</math></p>	
<p><b>-Y6RPC-</b></p> <p>Pls Sta 11+34.09  <math>\Delta = 0' 49' 50.4''</math>  <math>\Delta = 5' 09' 27.2''</math>  <math>Ls = 216.00'</math>  <math>LT = 134.09'</math>  <math>ST = 82.08'</math></p>	<p>Pls Sta 15+61.46  <math>\Delta = 32' 07' 13.8''</math> (RT)  <math>D = 4' 46' 28.7''</math>  <math>L = 672.73'</math>  <math>T = 345.46'</math>  <math>R = 1,200.00'</math>  <math>SE = .08</math>  <math>DS = 60mph</math></p>	



THE ESTIMATED QUANTITY OF D.I. WATER PIPE FITTINGS ON THIS PLAN SHEET IS 10,310 POUNDS. THE ACTUAL QUANTITY AND TYPE OF FITTINGS WILL VARY BASED ON FIELD CONDITIONS.

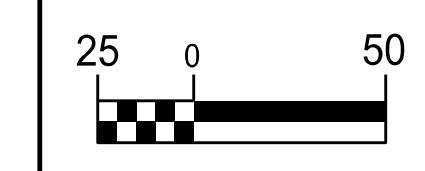
REVISIONS

MATCHLINE -L- STA. 443+00.00 SEE SHEET UC-9

MATCHLINE -L- STA. 457+00.00 SEE SHEET UC-11

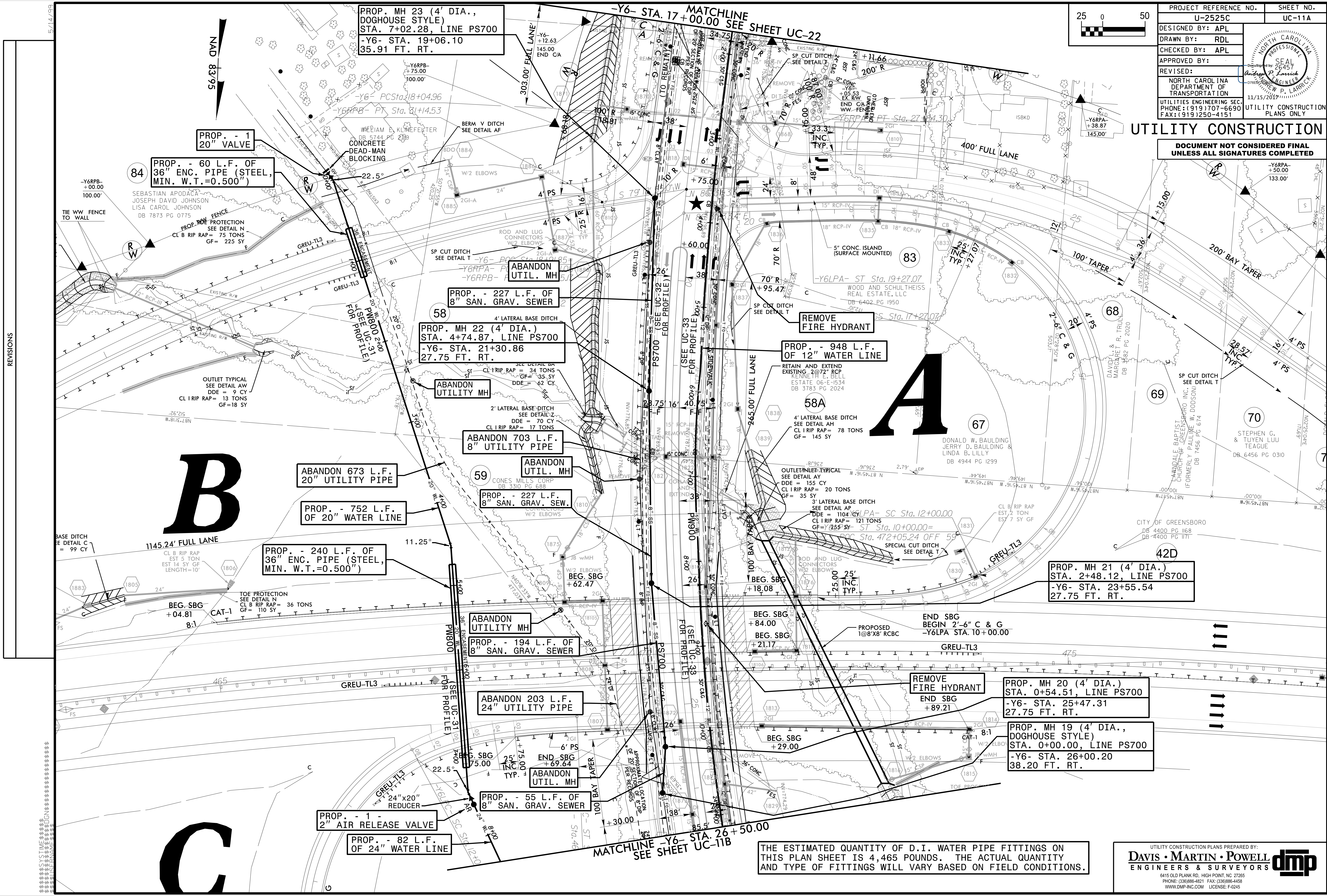
MATCHLINE -Y5- STA. 27+00.00 SEE SHEET UC-21

PROJECT REFERENCE NO.	SHEET NO.
U-2525C	UC-11A
DESIGNED BY: APL	
DRAWN BY: RDL	
CHECKED BY: APL	
APPROVED BY:	
REVISED:	NORTH CAROLINA DEPARTMENT OF TRANSPORTATION 11/15/2017 UTILITY CONSTRUCTION PLANS ONLY
UTILITIES ENGINEERING SEC. PHONE: (919) 707-6690 FAX: (919) 250-4151	



**UTILITY CONSTRUCTION**

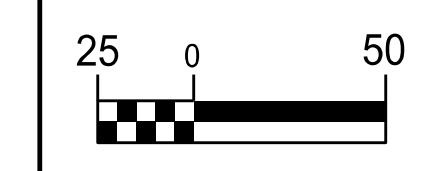
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REVISIONS

THE ESTIMATED QUANTITY OF D.I. WATER PIPE FITTINGS ON THIS PLAN SHEET IS 4,465 POUNDS. THE ACTUAL QUANTITY AND TYPE OF FITTINGS WILL VARY BASED ON FIELD CONDITIONS.

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: P-2425



PROJECT REFERENCE NO.	SHEET NO.
U-2525C	UC-11B
DESIGNED BY: APL	
DRAWN BY: RDL	
CHECKED BY: APL	
APPROVED BY:	
REVISED:	
NORTH CAROLINA DEPARTMENT OF TRANSPORTATION	11/15/2017
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**

THE ESTIMATED QUANTITY OF D.I. WATER PIPE FITTINGS ON THIS PLAN SHEET IS 3,475 POUNDS. THE ACTUAL QUANTITY AND TYPE OF FITTINGS WILL VARY BASED ON FIELD CONDITIONS.

PROP. - 1 - RELOCATE FIRE HYD.  
1 - 12"x6" TAPPING SLEEVE AND 6" TAPPING VALVE  
16 L.F. OF FIRE HYDRANT LEG

PROP. - 118 L.F. OF 12" WATER LINE

PROP. - 612 L.F. OF 24" WATER LINE

PROP. - 110 L.F. OF 36" ENC. PIPE (STEEL, MIN. W.T.=0.500")

ABANDON UTILITY MH

REMOVE - 2 WATER METERS

NO VERTICAL CONFLICT BETWEEN EX. SEWER LINE AND PROP. STORM DRAIN, BUT CONTRACTOR SHALL EITHER SHIFT PROP. CB 1867 AS NECESSARY SO IT WILL NOT BE INSTALLED ON TOP OF THE EX. SEWER LINE, OR UNCOVER EX. SEWER LINE UNDER PROP. CB 1867, AND PLACE #57 STONE BETWEEN EX. SEWER LINE AND BOTTOM OF PROP. CB 1867.

NCDOT (FORMERLY CRAMER ON ELM, LLC) DB 7385 PG 2018

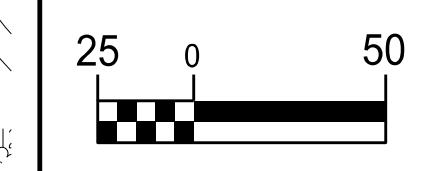
CITY OF GREENSBORO DB 4400 PG 1168 DB 4400 PG 1171

42B

REVISIONS

5/14/99

5/14/99

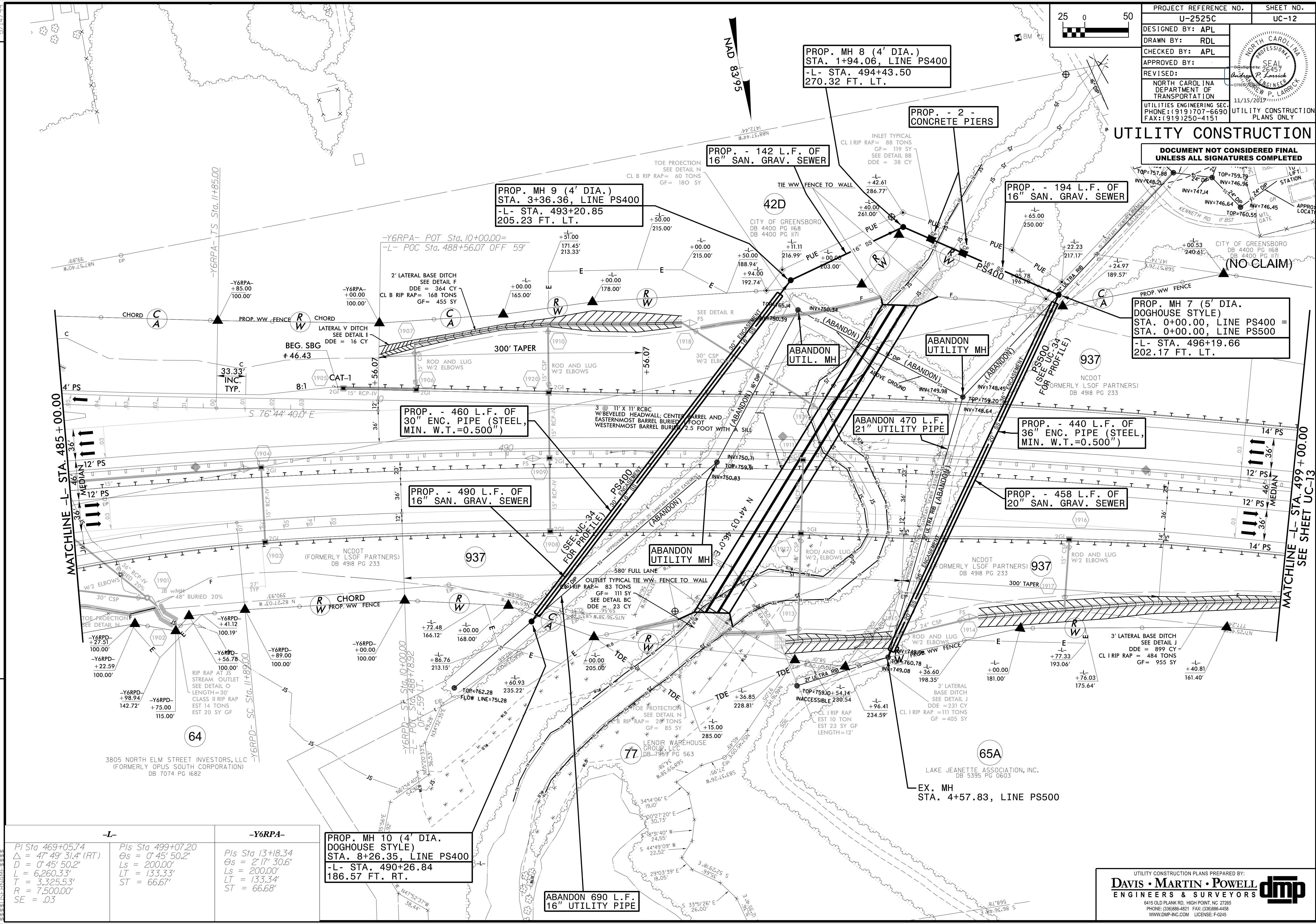


PROJECT REFERENCE NO.	SHEET NO.
U-2525C	UC-12
DESIGNED BY: APL	
DRAWN BY: RDL	
CHECKED BY: APL	
APPROVED BY:	
REVISED:	
NORTH CAROLINA DEPARTMENT OF TRANSPORTATION UTILITIES ENGINEERING SECTION PHONE: (919) 707-6690 FAX: (919) 250-4151	
UTILITY CONSTRUCTION PLANS ONLY 11/15/2017 NEW P. LARRICK	

**UTILITY CONSTRUCTION**

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REVISIONS



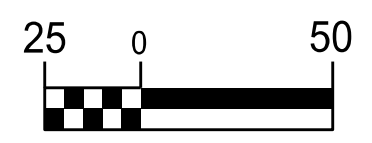
-L-	-Y6RPA-
Pls Sta 469+05.74 $\Delta = 47^{\circ} 49' 31.4" (RT)$ $D = 0' 45' 50.2"$ $L = 6,260.33'$ $T = 3,325.53'$ $R = 7,500.00'$ $SE = .03$	Pls Sta 499+07.20 $\Theta_s = 0' 45' 50.2"$ $L_s = 200.00'$ $LT = 133.33'$ $ST = 66.67'$
Pls Sta 13+18.34 $\Theta_s = 2' 17' 30.6"$ $L_s = 200.00'$ $LT = 133.34'$ $ST = 66.68'$	PROP. MH 10 (4' DIA. DOGHOUSE STYLE) STA. 8+26.35, LINE PS400 -L- STA. 490+26.84 186.57 FT. 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-0245

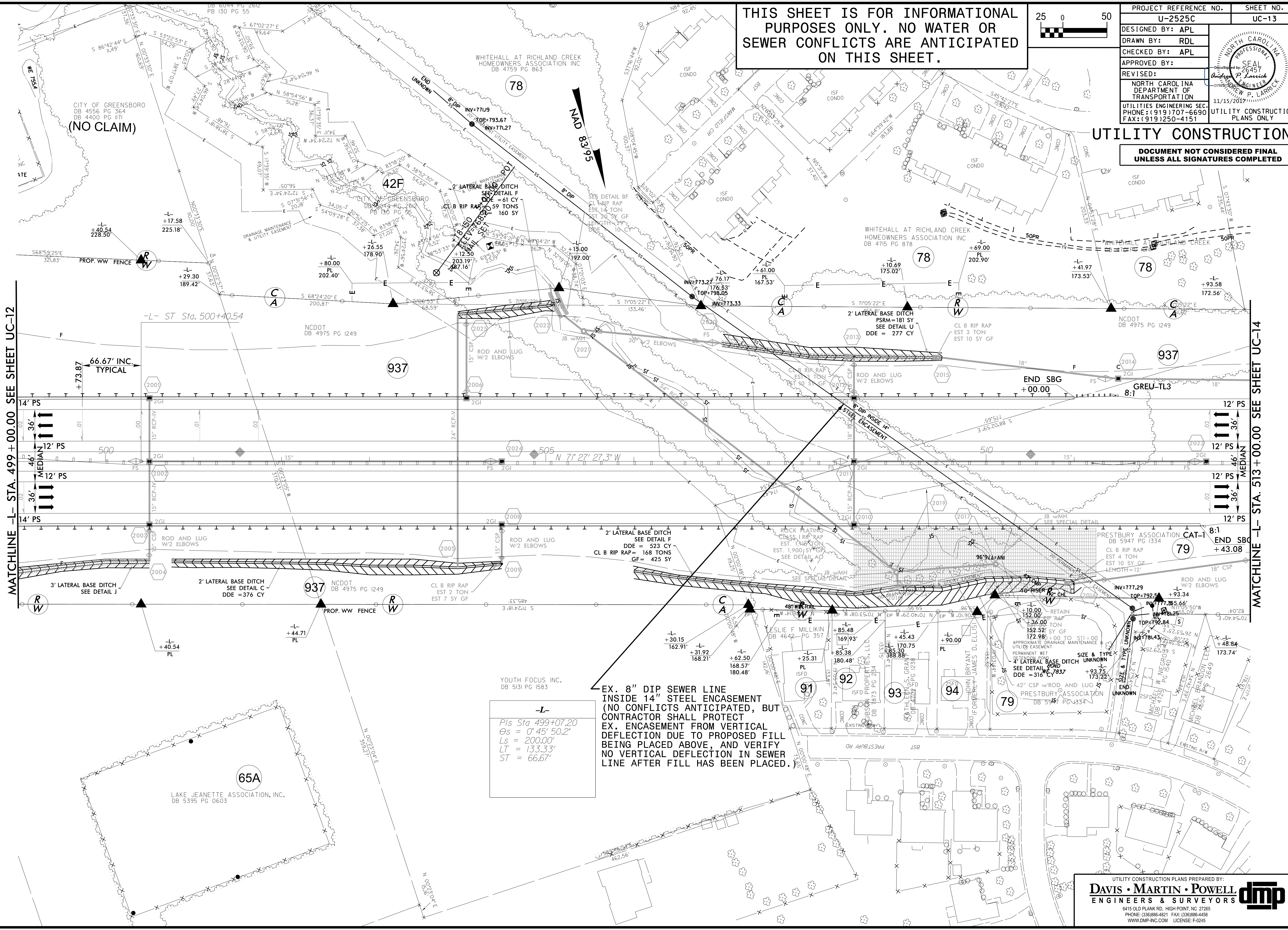
THIS SHEET IS FOR INFORMATIONAL PURPOSES ONLY. NO WATER OR SEWER CONFLICTS ARE ANTICIPATED ON THIS SHEET.



PROJECT REFERENCE NO. U-2525C	SHEET NO. UC-13
DESIGNED BY: APL	
DRAWN BY: RDL	
CHECKED BY: APL	
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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MATCHLINE -L- STA. 499+00.00 SEE SHEET UC-12

MATCHLINE -L- STA. 513+00.00 SEE SHEET UC-14

REVISIONS

YOUTH FOCUS INC.  
DB 5131 PG 1583

-L-  
Pls Sta 499+07.20  
Os = 0' 45' 50.2"  
Ls = 200.00'  
LT = 133.33'  
ST = 66.67'

EX. 8" DIP SEWER LINE  
INSIDE 14" STEEL ENCASEMENT  
(NO CONFLICTS ANTICIPATED, BUT  
CONTRACTOR SHALL PROTECT  
EX. ENCASEMENT FROM VERTICAL  
DEFLECTION DUE TO PROPOSED FILL  
BEING PLACED ABOVE, AND VERIFY  
NO VERTICAL DEFLECTION IN SEWER  
LINE AFTER FILL HAS BEEN PLACED.)



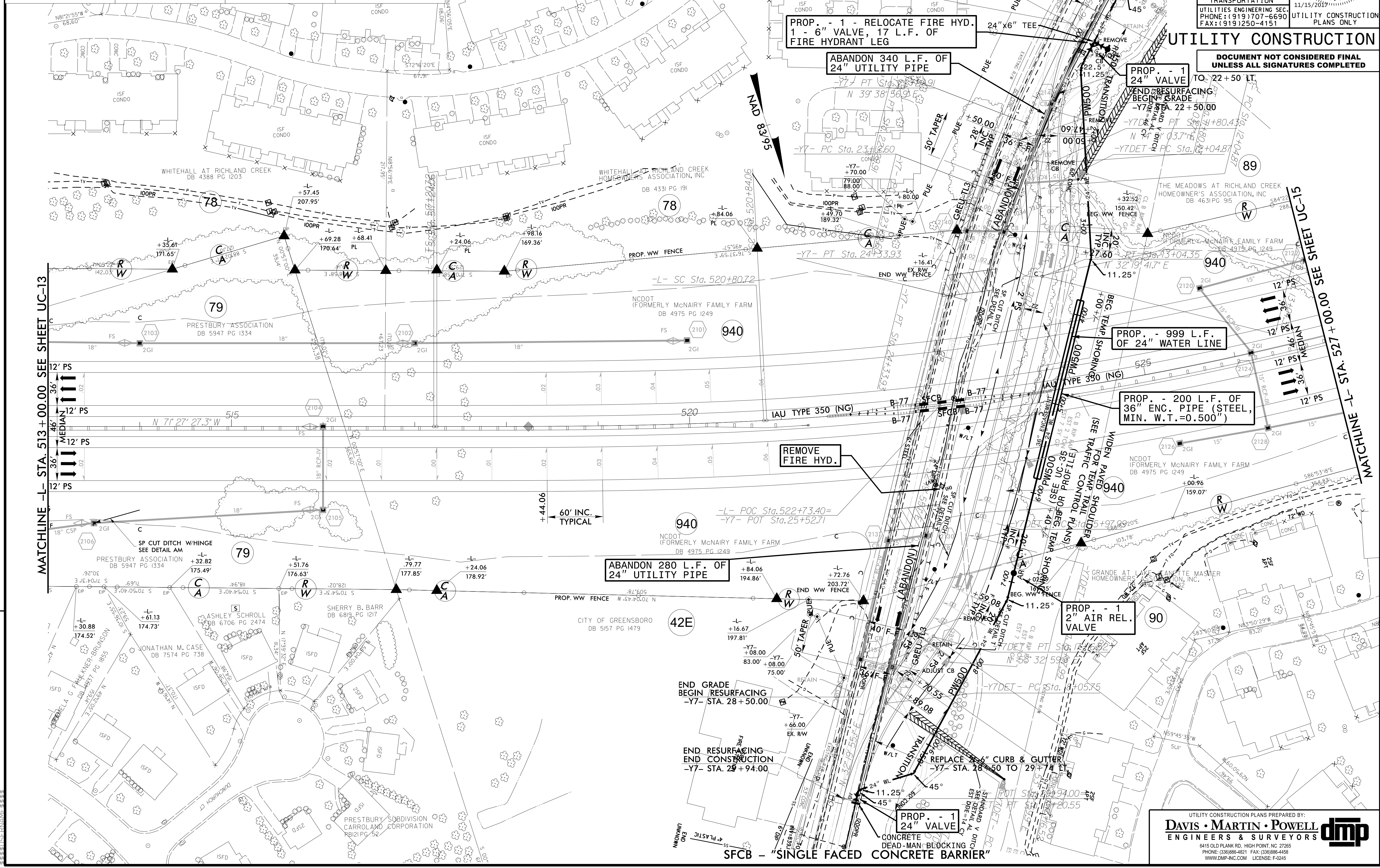
<p>Pls Sta 519+64.10  <math>\Delta s = 3' 12'' 10.3''</math>  <math>Ls = 360.00'</math>  <math>LT = 240.04'</math>  <math>ST = 120.04'</math></p>	<p>PI Sta 524+77.54  <math>\Delta = 13' 56'' 01.8'' (LT)</math>  <math>D = 1' 46'' 45.7''</math>  <math>L = 783.08'</math>  <math>T = 393.48'</math>  <math>R = 3,220.00'</math></p>	<p>PI Sta 21+70.50  <math>\Delta = 7' 10'' 29.6'' (LT)</math>  <math>D = 6' 01'' 52.1''</math>  <math>L = 118.96'</math>  <math>T = 59.56'</math>  <math>R = 950.00'</math>          CGPO = EXIST.</p>	<p>PI Sta 23+73.35  <math>\Delta = 7' 19'' 01.8'' (LT)</math>  <math>D = 6' 01'' 52.1''</math>  <math>L = 121.32'</math>  <math>T = 60.74'</math>  <math>R = 950.00'</math>          SE = SEE PLANS</p>
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THE ESTIMATED QUANTITY OF D.I. WATER PIPE FITTINGS ON THIS PLAN SHEET IS 10,910 POUNDS. THE ACTUAL QUANTITY AND TYPE OF FITTINGS WILL VARY BASED ON FIELD CONDITIONS.

BEGIN CONSTRUCTION  
 BEGIN RESURFACING  
 -Y7- STA. 20+86.00  
 -Y7DET- PC Sta. 10+100.00

PROJECT REFERENCE NO. U-2525C	SHEET NO. UC-14
DESIGNED BY: APL	
DRAWN BY: RDL	
CHECKED BY: APL	
APPROVED BY:	
REVISED:	
NORTH CAROLINA DEPARTMENT OF TRANSPORTATION UTILITIES ENGINEERING SEC. PHONE: (919) 707-6690 FAX: (919) 250-4151	
UTILITY CONSTRUCTION PLANS ONLY	

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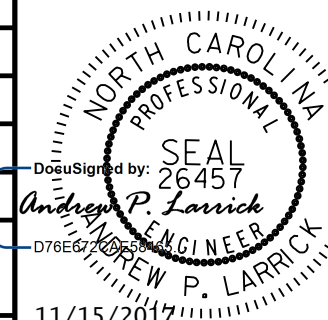
REVISIONS

MATCHLINE -L- STA. 513+00.00 SEE SHEET UC-13

MATCHLINE -L- STA. 527+00.00 SEE SHEET UC-15

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

PROJECT REFERENCE NO.	SHEET NO.
U-2525C	UC-15
DESIGNED BY: APL	
DRAWN BY: RDL	
CHECKED BY: APL	
APPROVED BY:	
REVISED:	
NORTH CAROLINA DEPARTMENT OF TRANSPORTATION UTILITIES ENGINEERING SECTION PHONE: (919) 707-6690 FAX: (919) 250-4151	
UTILITY CONSTRUCTION PLANS ONLY 11/15/2017	

**UTILITY CONSTRUCTION**

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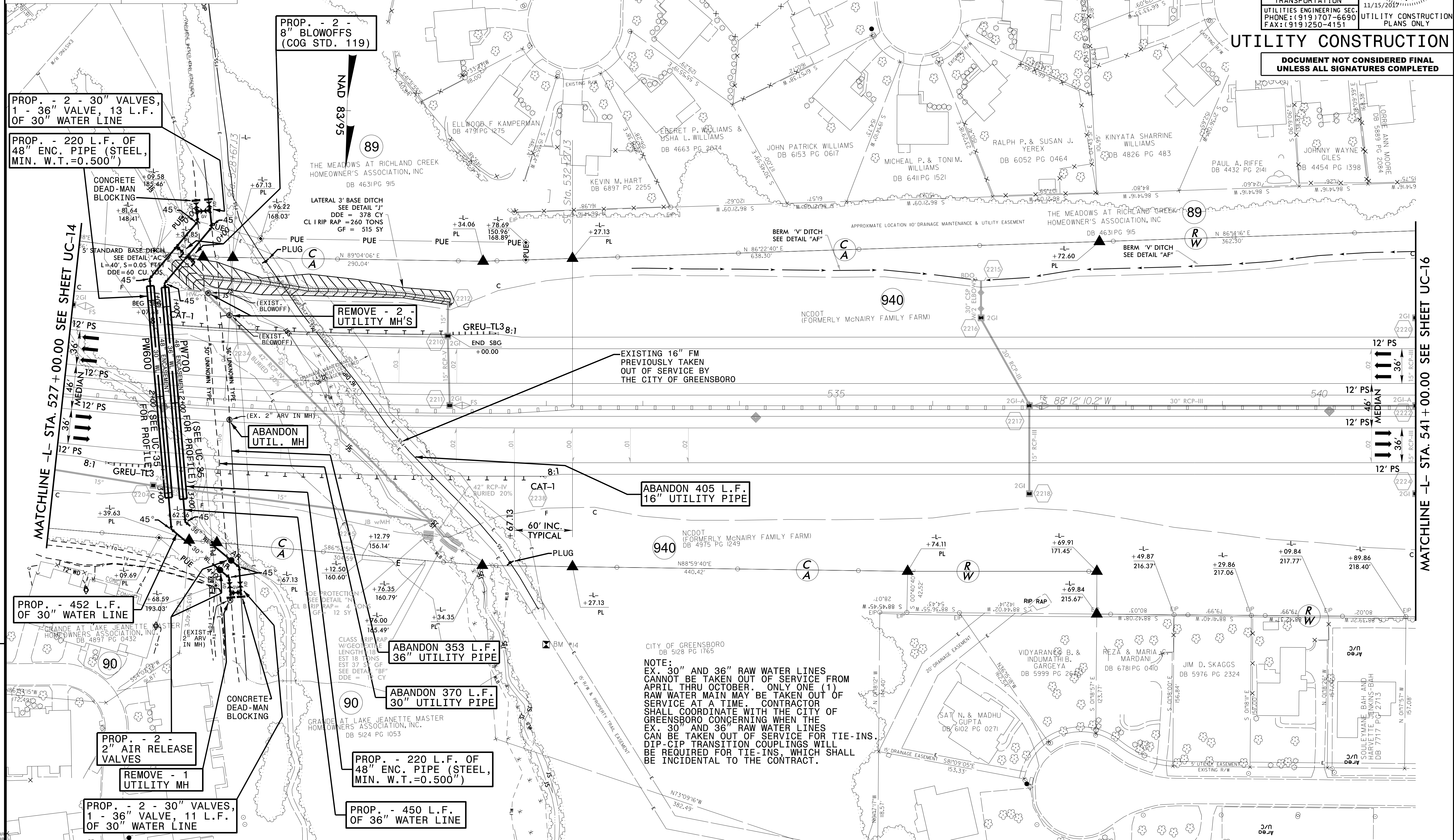
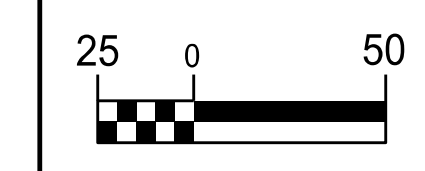
THE ESTIMATED QUANTITY OF D.I. SEWER PIPE FITTINGS ON THIS PLAN SHEET IS 290 POUNDS. THE ACTUAL QUANTITY AND TYPE OF FITTINGS WILL VARY BASED ON FIELD CONDITIONS.

THE ESTIMATED QUANTITY OF D.I. WATER PIPE FITTINGS ON THIS PLAN SHEET IS 31,460 POUNDS. THE ACTUAL QUANTITY AND TYPE OF FITTINGS WILL VARY BASED ON FIELD CONDITIONS.

-L-

Pls Sta 524+77.54  
 $\Delta = 13' 56" 01.8" (LT)$   
 $D = 1' 46" 45.7"$   
 $L = 783.08'$   
 $T = 393.48'$   
 $R = 3,220.00'$

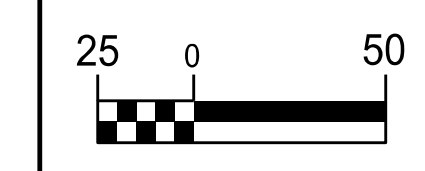
Pls Sta 529+87.17  
 $\Theta s = 3' 12" 10.3"$   
 $Ls = 360.00'$   
 $LT = 240.04'$   
 $ST = 120.04'$



REVISIONS

MATCHLINE -L- STA. 527+00.00 SEE SHEET UC-14

MATCHLINE -L- STA. 541+00.00 SEE SHEET UC-16



PROJECT REFERENCE NO.	SHEET NO.
U-2525C	UC-16
DESIGNED BY: APL	
DRAWN BY: RDL	
CHECKED BY: APL	
APPROVED BY:	
REVISED BY:	
NORTH CAROLINA DEPARTMENT OF TRANSPORTATION UTILITIES ENGINEERING SEC. PHONE: (919) 707-6690 FAX: (919) 250-4151 UTILITY CONSTRUCTION PLANS ONLY	

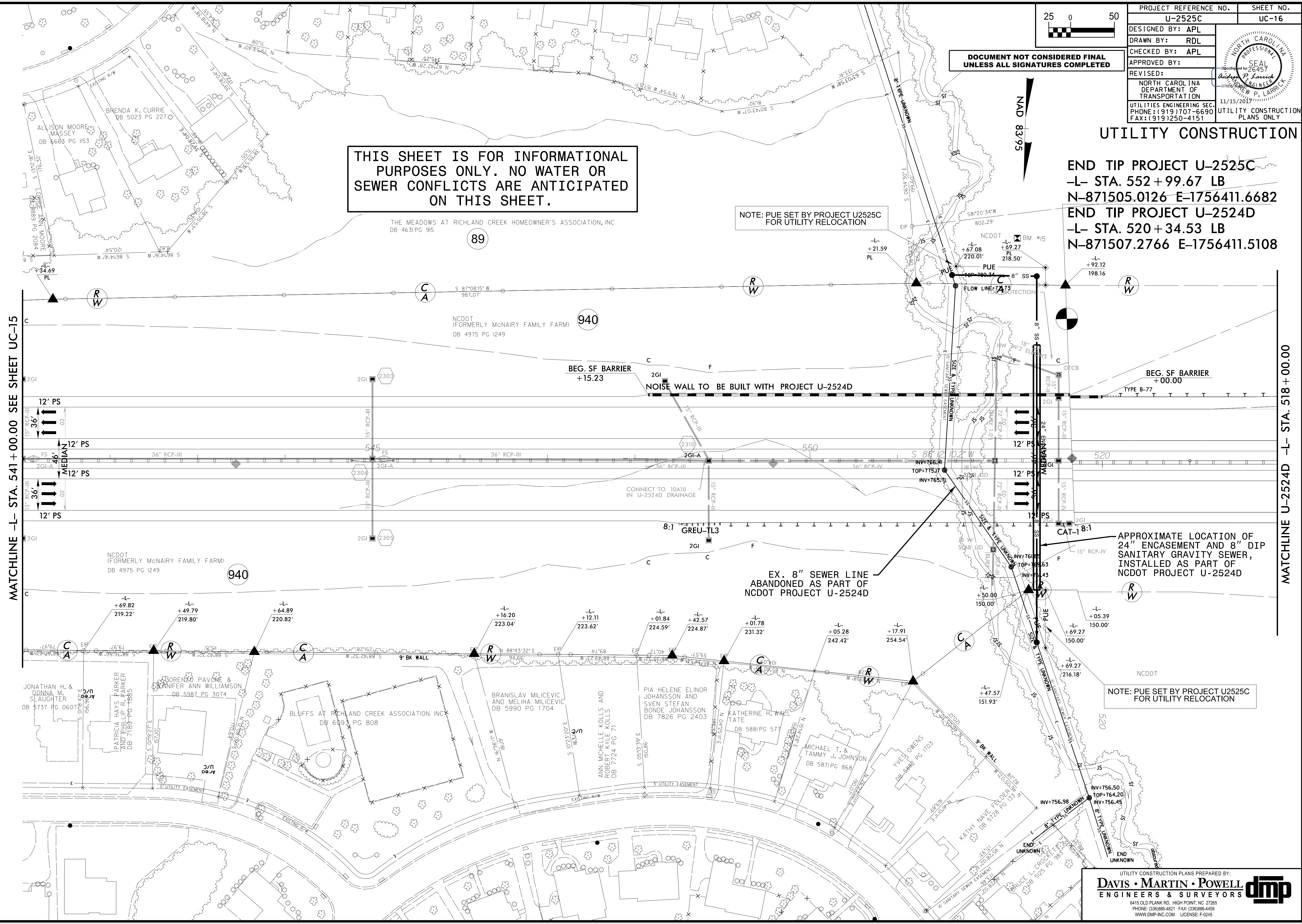
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**UTILITY CONSTRUCTION**

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

**END TIP PROJECT U-2525C**  
 -L- STA. 552+99.67 LB  
 N-871505.0126 E-1756411.6682  
**END TIP PROJECT U-2524D**  
 -L- STA. 520+34.53 LB  
 N-871507.2766 E-1756411.5108

NOTE: PUE SET BY PROJECT U2525C FOR UTILITY RELOCATION



MATCHLINE -L- STA. 541+00.00 SEE SHEET UC-15

MATCHLINE U-2524D -L- STA. 518+00.00

REVISIONS

SECTION CUTS: SEE SHEET UC-15 FOR ALL SECTION CUTS

89

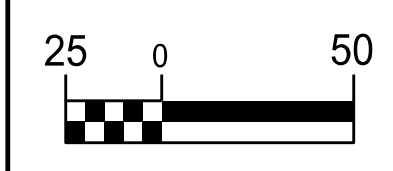
940

940

NOTE: PUE SET BY PROJECT U2525C FOR UTILITY RELOCATION

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

NOTE: RIGHT-OF-WAY AND EASEMENTS SHOWN ON THIS SHEET ARE TO BE ESTABLISHED AND PURCHASED UNDER PROJECT U-2524D



PROJECT REFERENCE NO.	SHEET NO.
U-2525C	UC-17
DESIGNED BY: APL	
DRAWN BY: RDL	
CHECKED BY: APL	
APPROVED BY:	
REVISED:	
NORTH CAROLINA DEPARTMENT OF TRANSPORTATION UTILITIES ENGINEERING SEC. PHONE: (919) 707-6690 FAX: (919) 250-4151 UTILITY CONSTRUCTION PLANS ONLY	

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 DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

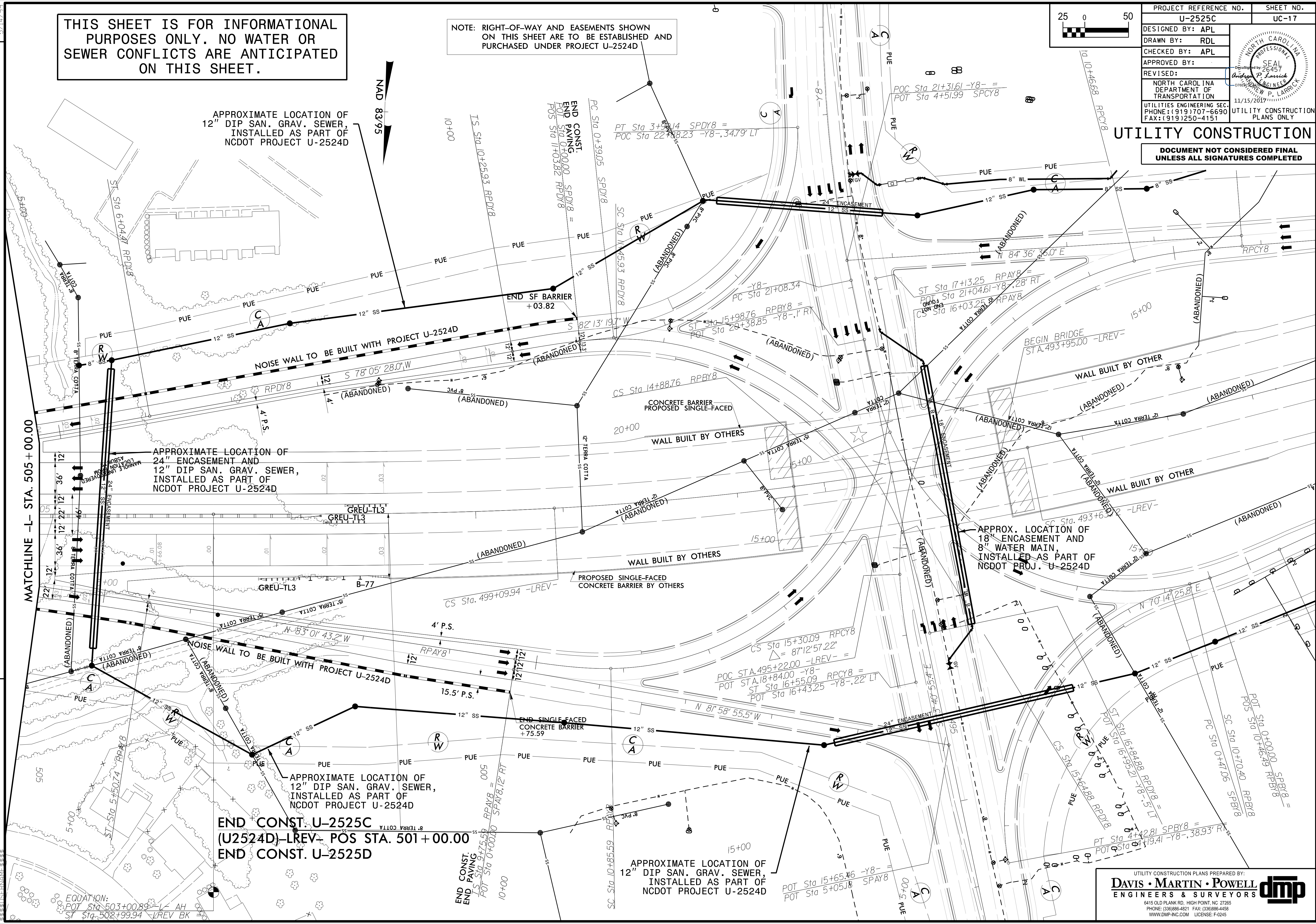
APPROXIMATE LOCATION OF 12" DIP SAN. GRAV. SEWER, INSTALLED AS PART OF NCDOT PROJECT U-2524D

APPROXIMATE LOCATION OF 24" ENCASEMENT AND 12" DIP SAN. GRAV. SEWER, INSTALLED AS PART OF NCDOT PROJECT U-2524D

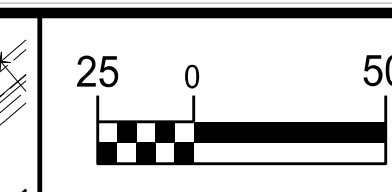
APPROX. LOCATION OF 18" ENCASEMENT AND 8" WATER MAIN, INSTALLED AS PART OF NCDOT PROJ. U-2524D

END CONST. U-2525C (U2524D)-LREV- POS STA. 501+00.00  
 END CONST. U-2525D

APPROXIMATE LOCATION OF 12" DIP SAN. GRAV. SEWER, INSTALLED AS PART OF NCDOT PROJECT U-2524D



REVISIONS



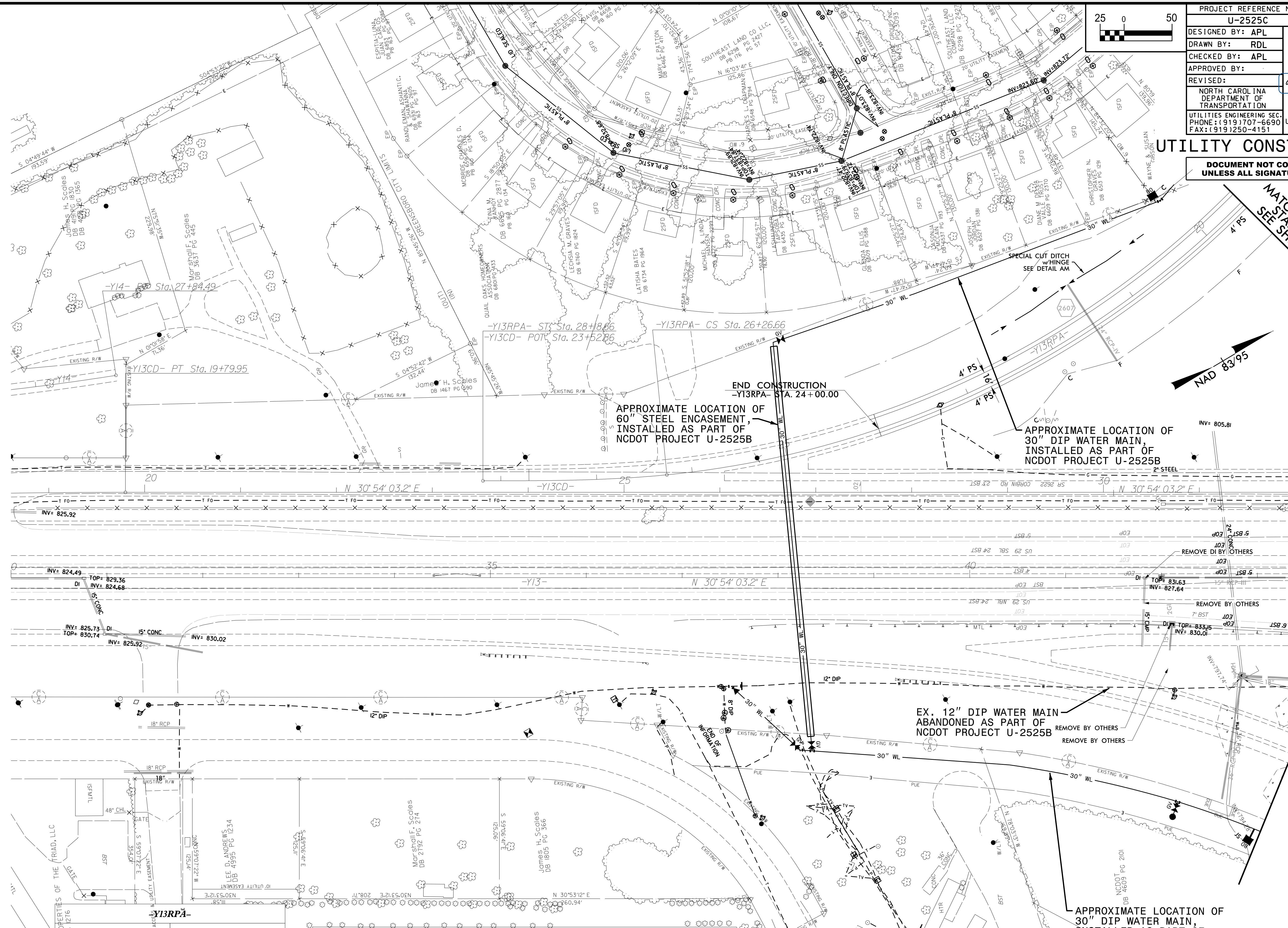
PROJECT REFERENCE NO.	SHEET NO.
U-2525C	UC-18
DESIGNED BY: APL	
DRAWN BY: RDL	
CHECKED BY: APL	
APPROVED BY:	
REVISED:	
NORTH CAROLINA DEPARTMENT OF TRANSPORTATION UTILITIES ENGINEERING SEC. PHONE: (919) 707-6690 FAX: (919) 250-4151 UTILITY CONSTRUCTION PLANS ONLY	

**UTILITY CONSTRUCTION**

**DOCUMENT NOT CONSIDERED FINAL  
UNLESS ALL SIGNATURES COMPLETED**

**MATCHLINE - Y13RPA -  
STA. 19 + 50.00  
SEE SHEET UC-4B**

**MATCHLINE -Y13- STA. 43 + 50.00 SEE SHEET UC-4A**



END CONSTRUCTION  
-Y13RPA- STA. 24 + 00.00

APPROXIMATE LOCATION OF  
60" STEEL ENCASEMENT,  
INSTALLED AS PART OF  
NCDOT PROJECT U-2525B

APPROXIMATE LOCATION OF  
30" DIP WATER MAIN,  
INSTALLED AS PART OF  
NCDOT PROJECT U-2525B

EX. 12" DIP WATER MAIN  
ABANDONED AS PART OF  
NCDOT PROJECT U-2525B

APPROXIMATE LOCATION OF  
30" DIP WATER MAIN,  
INSTALLED AS PART OF  
NCDOT PROJECT U-2525B

Y13RPA - Sta 21+44.83 $\Delta = 63^{\circ} 54' 31.6" (RT)$ $DB = 5' 50' 47.4"$ $T = 1,093.11'$ $R = 980.00'$ $SE = .08$ $DS = 45 MPH$	PIs Sta 26+90.72 $\Theta_s = 5^{\circ} 36' 45.5"$ $L_s = 192.00'$ $LT = 128.06'$ $ST = 64.06'$
------------------------------------------------------------------------------------------------------------------------------------------------------------	------------------------------------------------------------------------------------------------------------

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

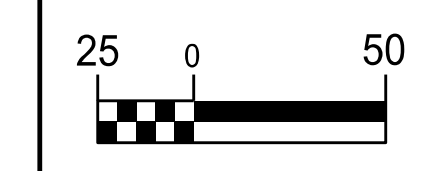
REVISIONS

5/14/2019

SECTION CUT DITCH WITH HINGE SEE DETAIL AM

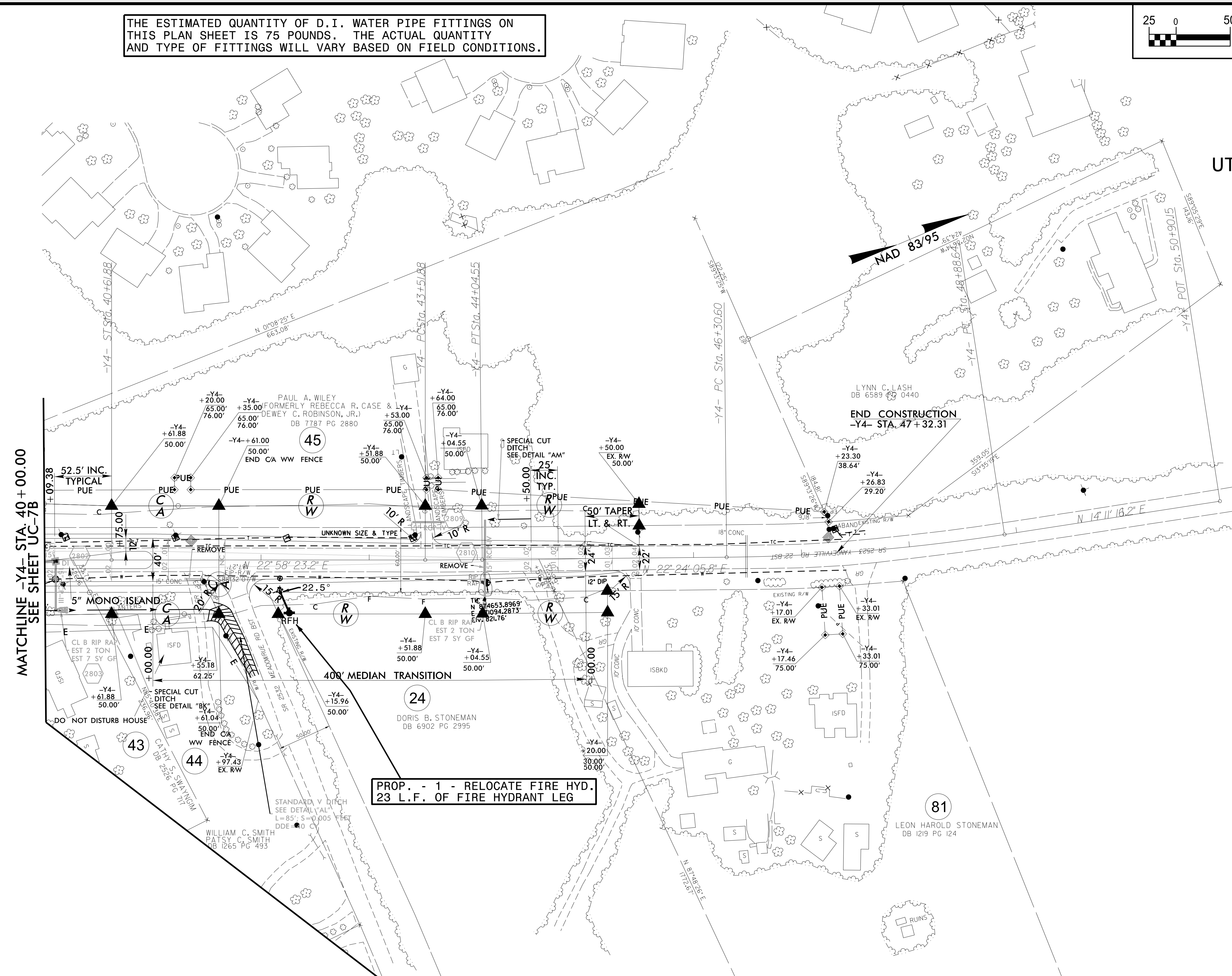


THE ESTIMATED QUANTITY OF D.I. WATER PIPE FITTINGS ON THIS PLAN SHEET IS 75 POUNDS. THE ACTUAL QUANTITY AND TYPE OF FITTINGS WILL VARY BASED ON FIELD CONDITIONS.



PROJECT REFERENCE NO.	SHEET NO.
U-2525C	UC-20
DESIGNED BY: APL	
DRAWN BY: RDL	
CHECKED BY: APL	
APPROVED BY:	
REVISED:	
NORTH CAROLINA DEPARTMENT OF TRANSPORTATION	11/15/2017
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**



MATCHLINE -Y4- STA. 40+00.00 SEE SHEET UC-7B

PROP. - 1 - RELOCATE FIRE HYD. 23 L.F. OF FIRE HYDRANT LEG

-Y4-		
Pls Sta 39+21.93	Pls Sta 43+78.21	Pls Sta 47+59.84
$\Delta = 4^{\circ} 59' 33.3''$	$\Delta = 0^{\circ} 34' 17.4''$ (LT)	$\Delta = 8^{\circ} 12' 49.6''$ (LT)
Ls = 210.00'	D = 1'05' 06.5"	D = 3'10' 59.2"
LT = 140.06'	L = 52.67'	L = 258.04'
ST = 70.05'	T = 26.33'	T = 129.24'
	R = 5,280.00'	R = 1,800.00'
	SE = NC	
	DS = 50 MPH	

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-Y5-	-Y5A-
PI Sta 27+08.79	PI Sta 29+61.28
$\Delta = 18^{\circ} 50' 52.1''$ (LT)	$\Delta = 1^{\circ} 26' 57.7''$ (LT)
D = 6' 21' 58.3"	D = 1' 05' 06.5"
L = 296.06'	L = 133.56'
T = 149.38'	T = 66.79'
R = 900.00'	R = 5,280.00'
SE = .04	SE = EXIST.
DS = 45 MPH	

NAD 83/95

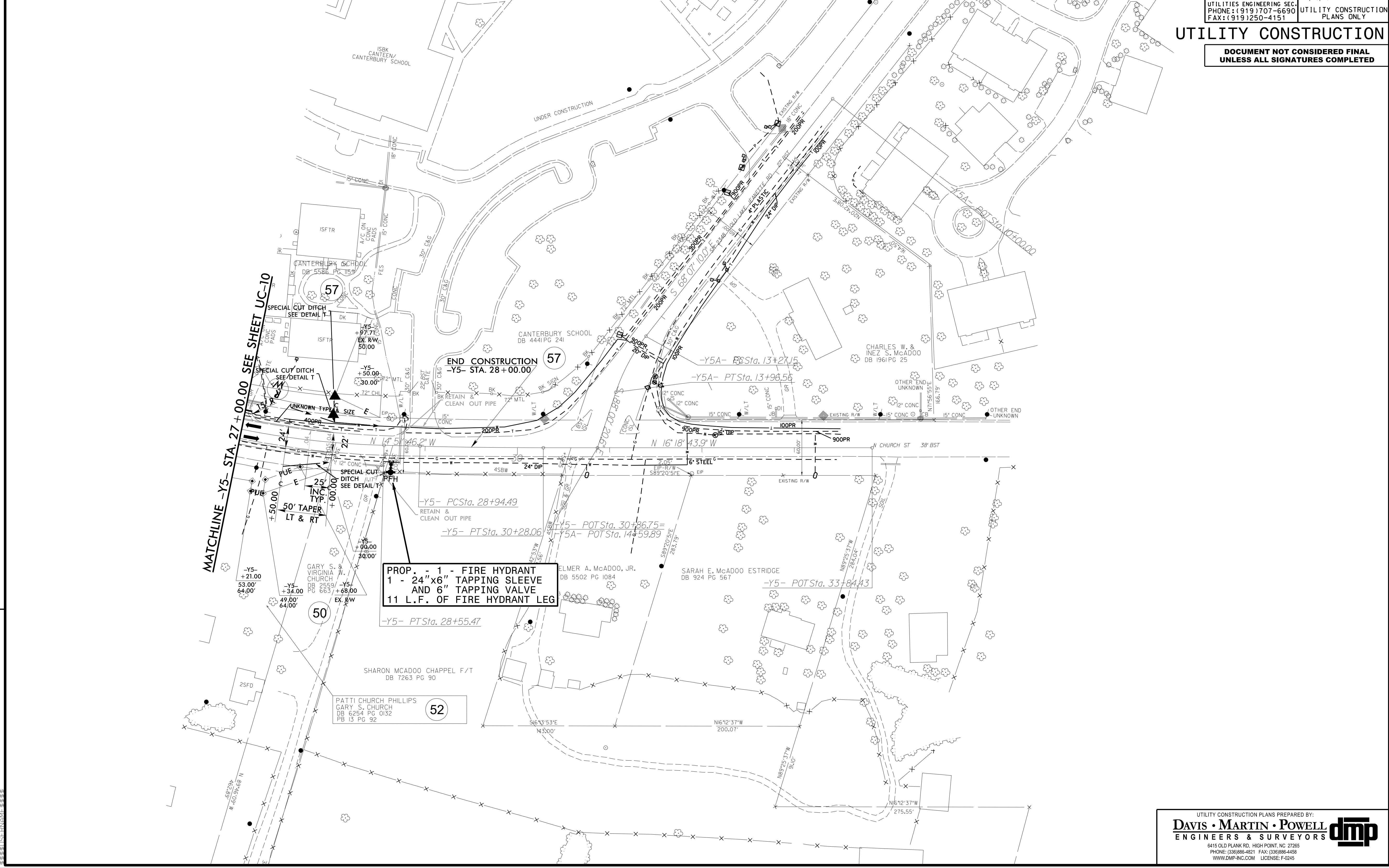
25 0 50

PROJECT REFERENCE NO.	SHEET NO.
U-2525C	UC-21
DESIGNED BY: APL	
DRAWN BY: RDL	
CHECKED BY: APL	
APPROVED BY:	
REVISED:	Registered Professional Engineer Andrew P. Larrick License No. 26457 State of North Carolina 11/15/2019
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

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**PROP. - 1 - FIRE HYDRANT  
1 - 24"x6" TAPPING SLEEVE  
AND 6" TAPPING VALVE  
11 L.F. OF FIRE HYDRANT LEG**

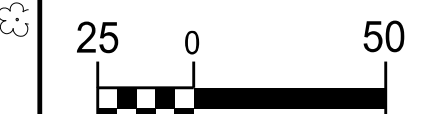
**MATCHLINE -Y5- STA. 27+00.00 SEE SHEET UC-10**

**END CONSTRUCTION  
-Y5- STA. 28+00.00**



THE ESTIMATED QUANTITY OF D.I. WATER PIPE FITTINGS ON THIS PLAN SHEET IS 1,095 POUNDS. THE ACTUAL QUANTITY AND TYPE OF FITTINGS WILL VARY BASED ON FIELD CONDITIONS.

NAD 83/95



PROJECT REFERENCE NO.	SHEET NO.
U-2525C	UC-22
DESIGNED BY: APL	
DRAWN BY: RDL	
CHECKED BY: APL	
APPROVED BY:	
REVISED:	11/15/2017
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

PROP. - 28 L.F. OF 8" WATER LINE, 1 - 8" VALVE, 1 - 12" VALVE

PROP. - 173 L.F. OF 12" WATER LINE

PROP. - 1 - RELOCATE FIRE HYD. 1 - 12"x6" TAPPING SLEEVE AND 6" TAPPING VALVE 17 L.F. OF FIRE HYDRANT LEG

PROP. - 1 - RELOCATE FIRE HYD. 1 - 6" VALVE, 31 L.F. OF FIRE HYDRANT LEG

BEGIN CONSTRUCTION -Y6- STA. 7+96.43

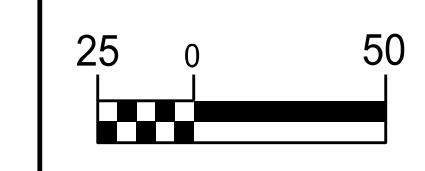
REVISIONS

MATCHLINE -Y6- STA. 17+00.00 SEE SHEET UC-11A

NOTE:  
RECOMMEND SHIFTING PROP. CB 3014 TO THE NORTH TO AVOID CONFLICT BETWEEN PROP. 36" RCP AND EX. SAN. SEWER MH

5/14/99

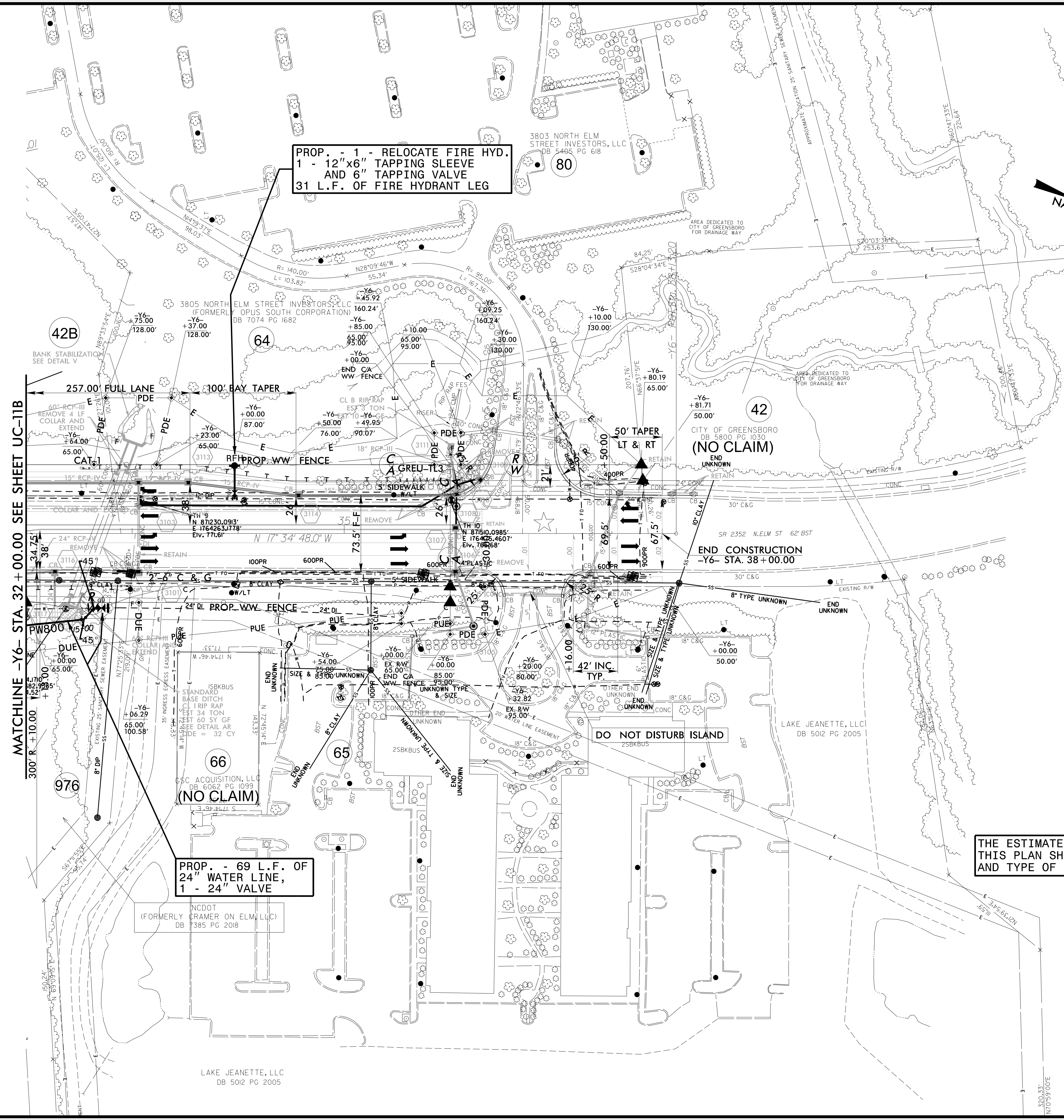
REVISIONS



# UTILITY CONSTRUCTION

DOCUMENT NOT CONSIDERED FINAL  
UNLESS ALL SIGNATURES COMPLETED

PROJECT REFERENCE NO.	SHEET NO.
U-2525C	UC-23
DESIGNED BY: APL	
DRAWN BY: RDL	
CHECKED BY: APL	
APPROVED BY:	
REVISED:	
NORTH CAROLINA DEPARTMENT OF TRANSPORTATION	11/15/2017
UTILITIES ENGINEERING SEC. PHONE: (919) 707-6690 FAX: (919) 250-4151	UTILITY CONSTRUCTION PLANS ONLY



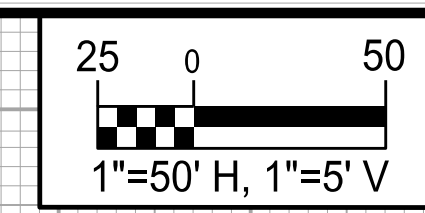
**PROP. - 1 - RELOCATE FIRE HYD.**  
**1 - 12"x6" TAPPING SLEEVE**  
**AND 6" TAPPING VALVE**  
**31 L.F. OF FIRE HYDRANT LEG**

**PROP. - 69 L.F. OF**  
**24" WATER LINE,**  
**1 - 24" VALVE**

**END CONSTRUCTION**  
**-Y6- STA. 38+00.00**

THE ESTIMATED QUANTITY OF D.I. WATER PIPE FITTINGS ON THIS PLAN SHEET IS 1,510 POUNDS. THE ACTUAL QUANTITY AND TYPE OF FITTINGS WILL VARY BASED ON FIELD CONDITIONS.

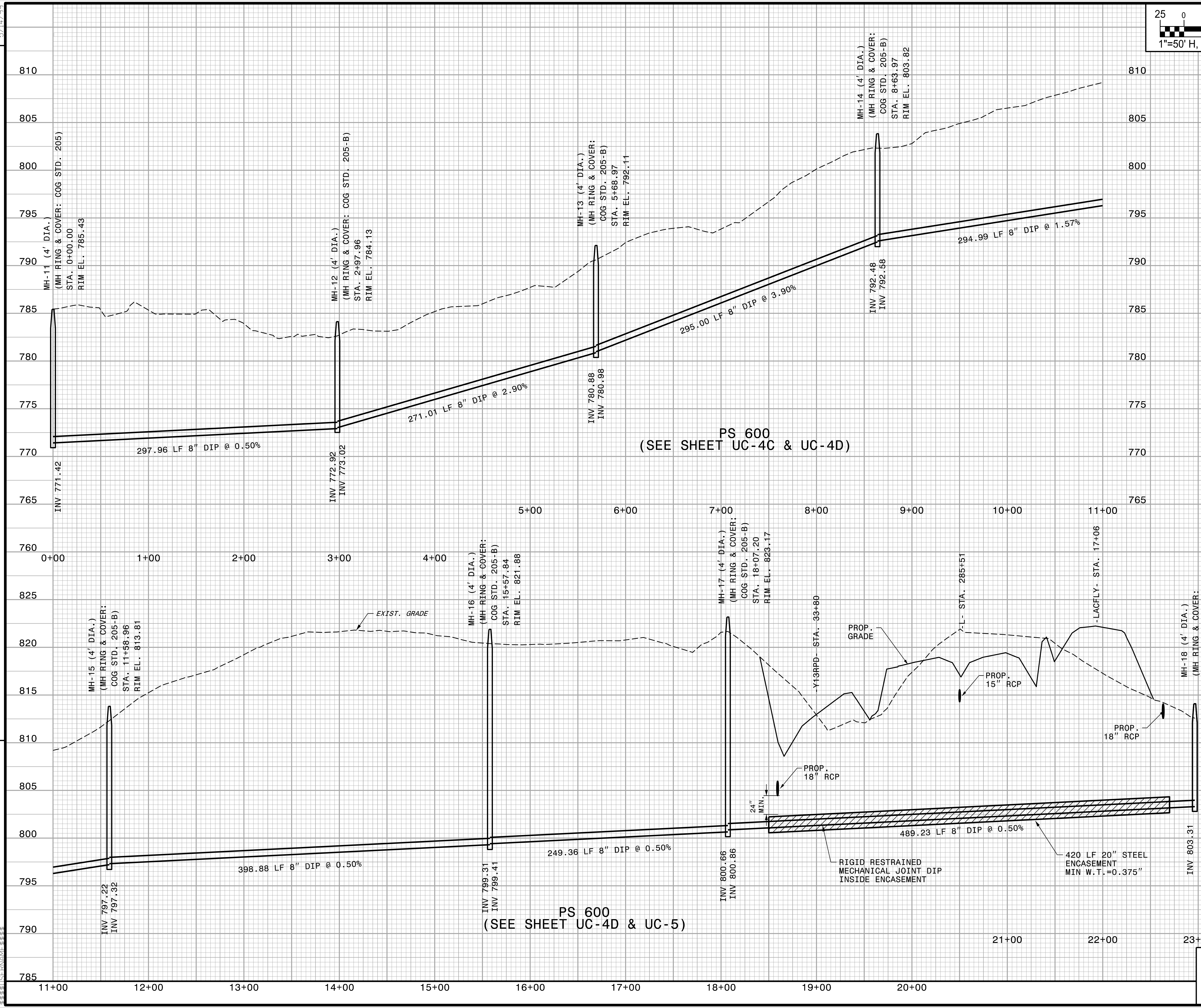
5/14/99  
REVISIONS



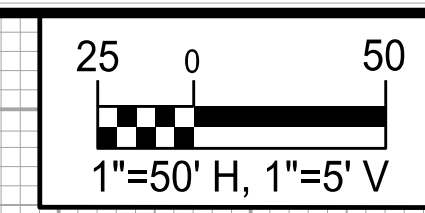
PROJECT REFERENCE NO.	SHEET NO.
U-2525C	UC-24
DESIGNED BY: APL	
DRAWN BY: RDL	
CHECKED BY: APL	
APPROVED BY:	
REVISED:	
NORTH CAROLINA DEPARTMENT OF TRANSPORTATION	Professional Engineer Seal No. 26457 Andrew P. Larrick 11/15/2010
UTILITIES ENGINEERING SEC. PHONE: (919) 707-6690 FAX: (919) 250-4151	UTILITY CONSTRUCTION PLANS ONLY

### UTILITY CONSTRUCTION

DOCUMENT NOT CONSIDERED FINAL  
UNLESS ALL SIGNATURES COMPLETED



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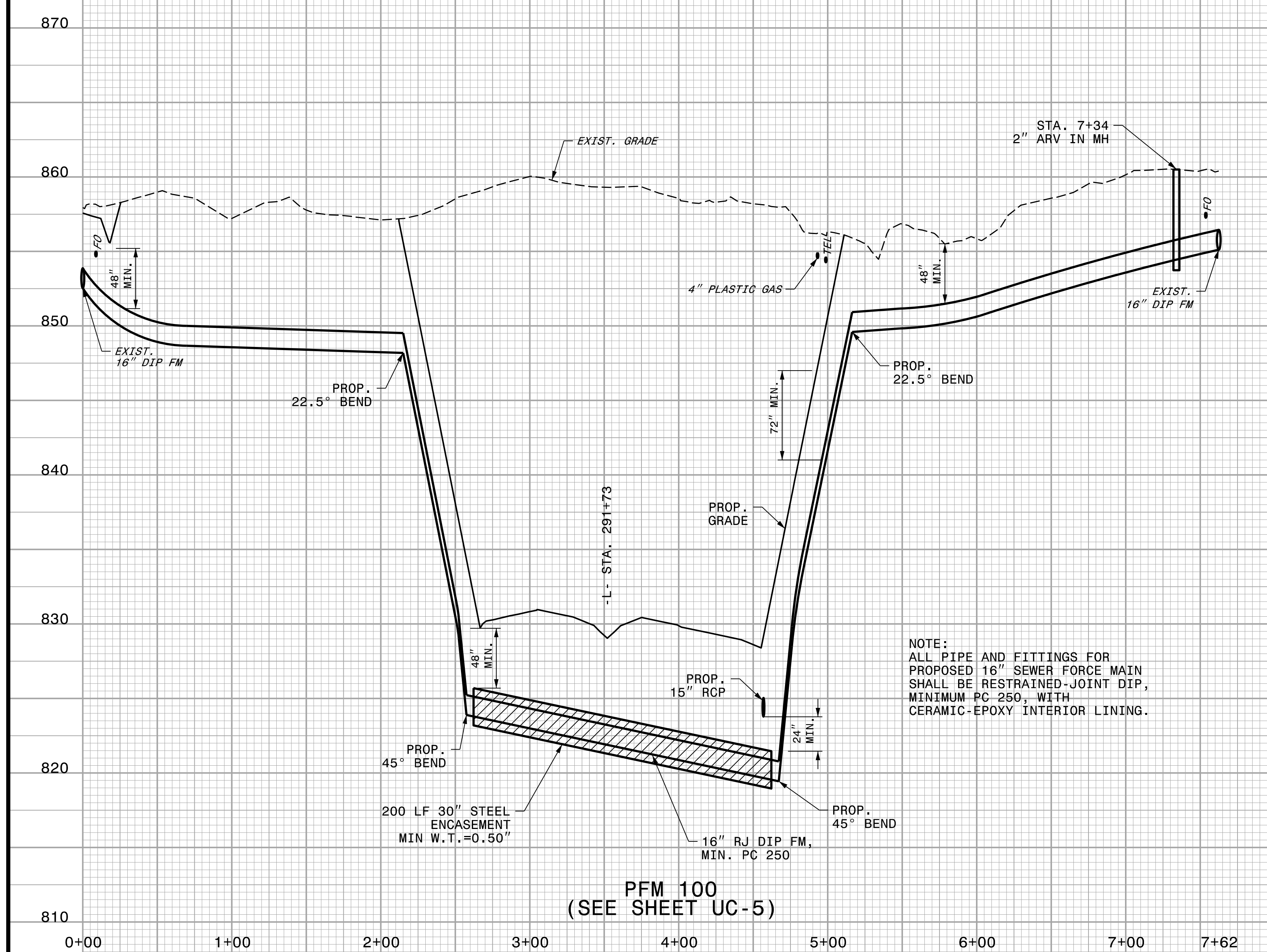


PROJECT REFERENCE NO. U-2525C	SHEET NO. UC-25
DESIGNED BY: APL	
DRAWN BY: RDL	
CHECKED BY: APL	
APPROVED BY:	
REVISED:	
NORTH CAROLINA DEPARTMENT OF TRANSPORTATION	11/15/2017
UTILITIES ENGINEERING SEC. PHONE: (919) 707-6690 FAX: (919) 250-4151	UTILITY CONSTRUCTION PLANS ONLY

### UTILITY CONSTRUCTION

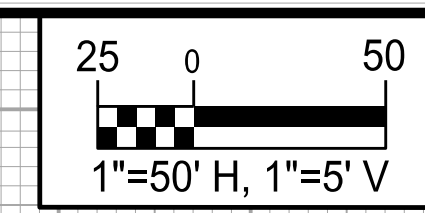
**DOCUMENT NOT CONSIDERED FINAL  
UNLESS ALL SIGNATURES COMPLETED**

REVISIONS



**PFM 100  
(SEE SHEET UC-5)**

5/14/99

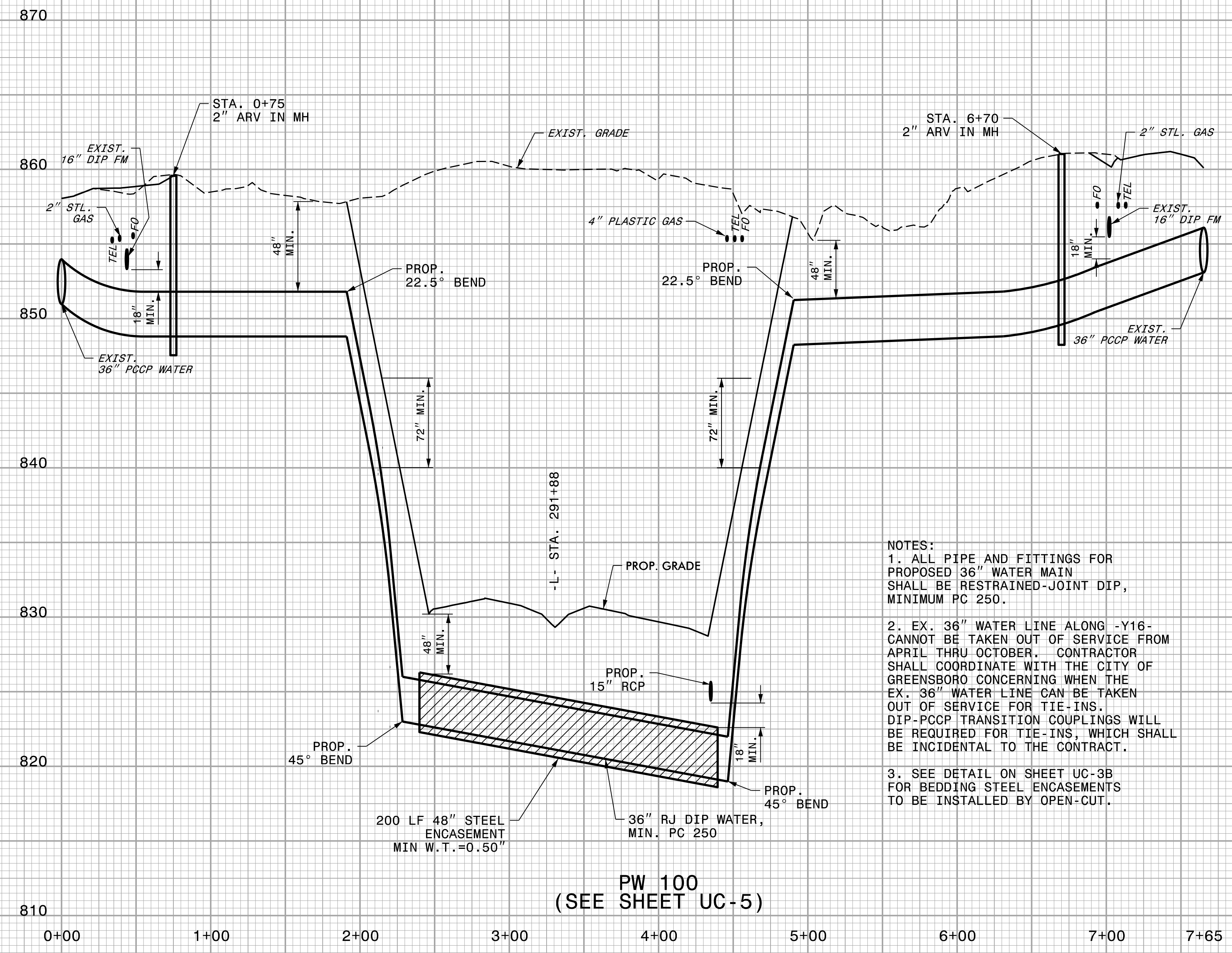


PROJECT REFERENCE NO. U-2525C	SHEET NO. UC-26
DESIGNED BY: APL	
DRAWN BY: RDL	
CHECKED BY: APL	
APPROVED BY:	
REVISED:	
NORTH CAROLINA DEPARTMENT OF TRANSPORTATION UTILITIES ENGINEERING SEC. PHONE: (919) 707-6690 FAX: (919) 250-4151	
UTILITY CONSTRUCTION PLANS ONLY 11/15/2019 NEW P. LARRICK	

### UTILITY CONSTRUCTION

**DOCUMENT NOT CONSIDERED FINAL  
UNLESS ALL SIGNATURES COMPLETED**

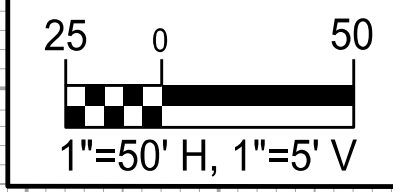
REVISIONS



- NOTES:
1. ALL PIPE AND FITTINGS FOR PROPOSED 36" WATER MAIN SHALL BE RESTRAINED-JOINT DIP, MINIMUM PC 250.
  2. EX. 36" WATER LINE ALONG -Y16- CANNOT BE TAKEN OUT OF SERVICE FROM APRIL THRU OCTOBER. CONTRACTOR SHALL COORDINATE WITH THE CITY OF GREENSBORO CONCERNING WHEN THE EX. 36" WATER LINE CAN BE TAKEN OUT OF SERVICE FOR TIE-INS. DIP-PCCP TRANSITION COUPLINGS WILL BE REQUIRED FOR TIE-INS, WHICH SHALL BE INCIDENTAL TO THE CONTRACT.
  3. SEE DETAIL ON SHEET UC-3B FOR BEDDING STEEL ENCASEMENTS TO BE INSTALLED BY OPEN-CUT.

PW 100  
(SEE SHEET UC-5)

5/14/99

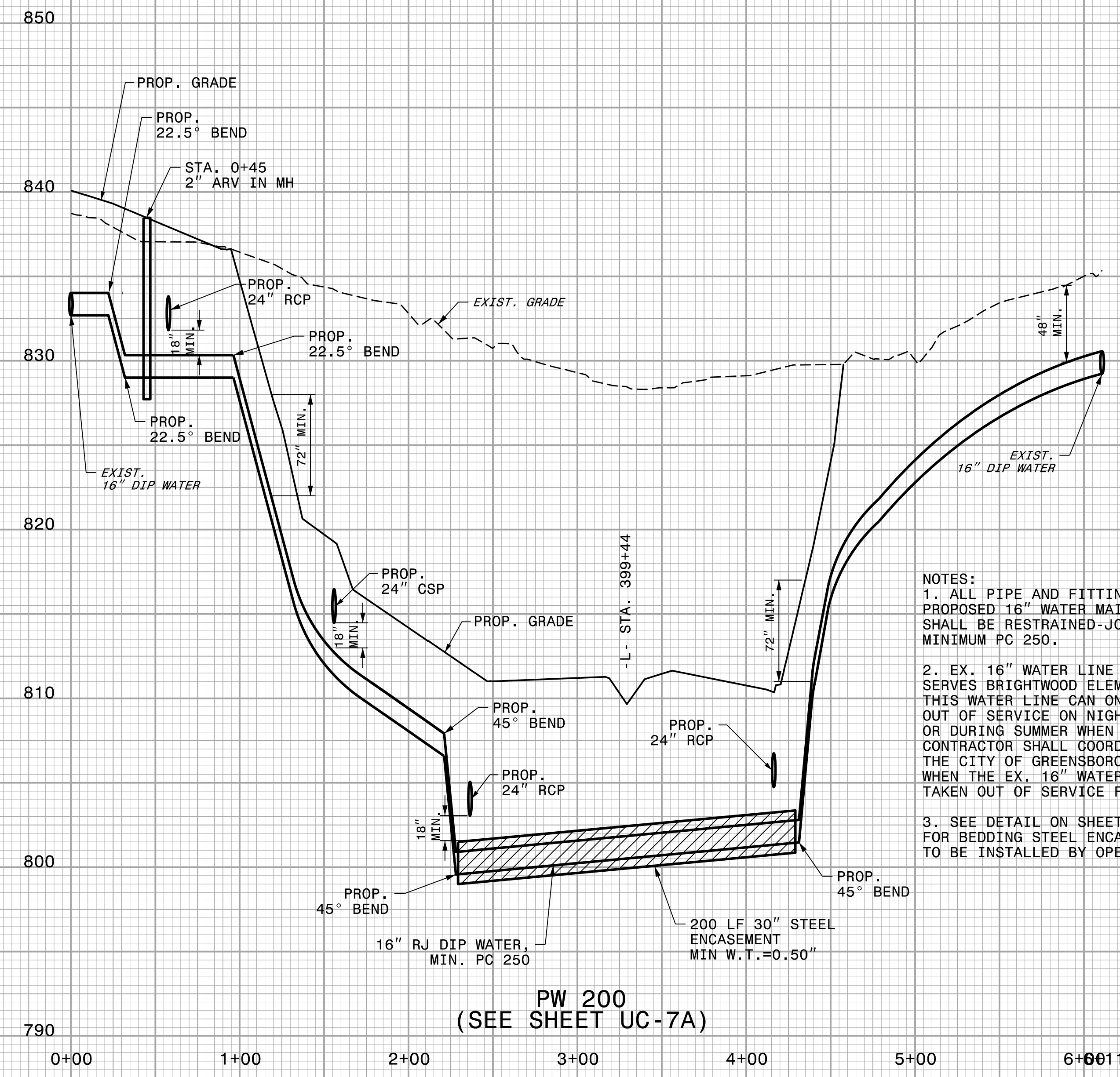


PROJECT REFERENCE NO. U-2525C	SHEET NO. UC-27
DESIGNED BY: APL	
DRAWN BY: RDL	
CHECKED BY: APL	
APPROVED BY:	
REVISED:	
NORTH CAROLINA DEPARTMENT OF TRANSPORTATION	11/15/2017 NEW P. LARRICK
UTILITIES ENGINEERING SEC. PHONE: (919) 707-6690 FAX: (919) 250-4151	UTILITY CONSTRUCTION PLANS ONLY

### UTILITY CONSTRUCTION

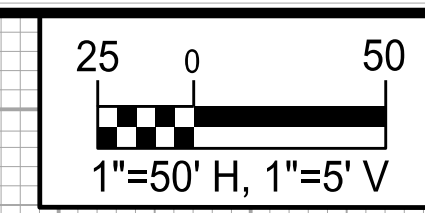
**DOCUMENT NOT CONSIDERED FINAL  
UNLESS ALL SIGNATURES COMPLETED**

REVISIONS



- NOTES:**
1. ALL PIPE AND FITTINGS FOR PROPOSED 16" WATER MAIN SHALL BE RESTRAINED-JOINT DIP, MINIMUM PC 250.
  2. EX. 16" WATER LINE ALONG -Y4- SERVES BRIGHTWOOD ELEMENTARY SCHOOL. THIS WATER LINE CAN ONLY BE TAKEN OUT OF SERVICE ON NIGHTS, WEEKENDS, OR DURING SUMMER WHEN SCHOOL IS OUT. CONTRACTOR SHALL COORDINATE WITH THE CITY OF GREENSBORO CONCERNING WHEN THE EX. 16" WATER LINE CAN BE TAKEN OUT OF SERVICE FOR TIE-INS.
  3. SEE DETAIL ON SHEET UC-3B FOR BEDDING STEEL ENCASEMENTS TO BE INSTALLED BY OPEN-CUT.

PW 200  
(SEE SHEET UC-7A)



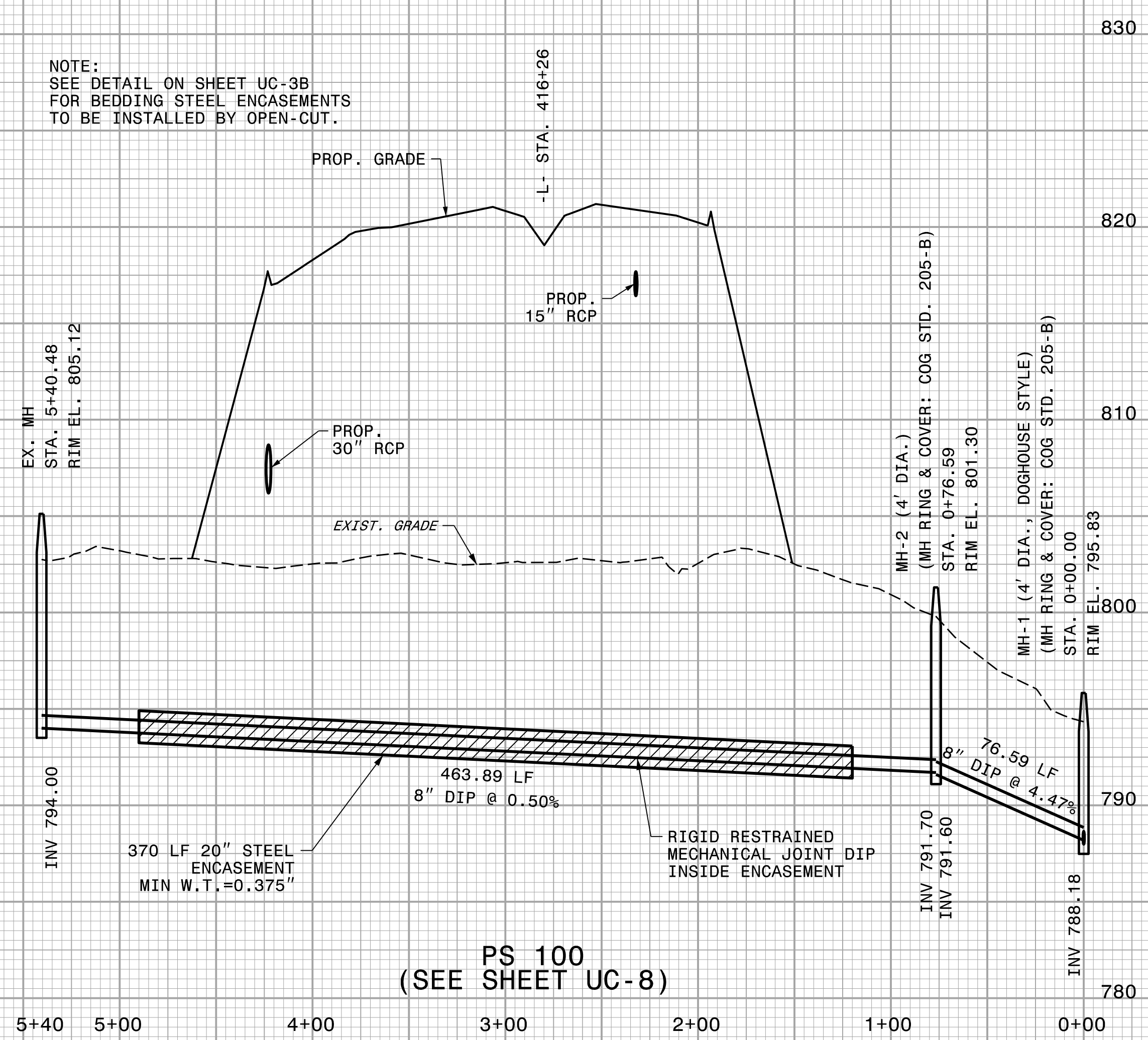
PROJECT REFERENCE NO.	SHEET NO.
U-2525C	UC-28
DESIGNED BY: APL	
DRAWN BY: RDL	
CHECKED BY: APL	
APPROVED BY:	
REVISED:	
NORTH CAROLINA DEPARTMENT OF TRANSPORTATION 11/15/2019 UTILITIES ENGINEERING SEC. PHONE: (919) 707-6690 FAX: (919) 250-4151	
UTILITY CONSTRUCTION PLANS ONLY	

**UTILITY CONSTRUCTION**

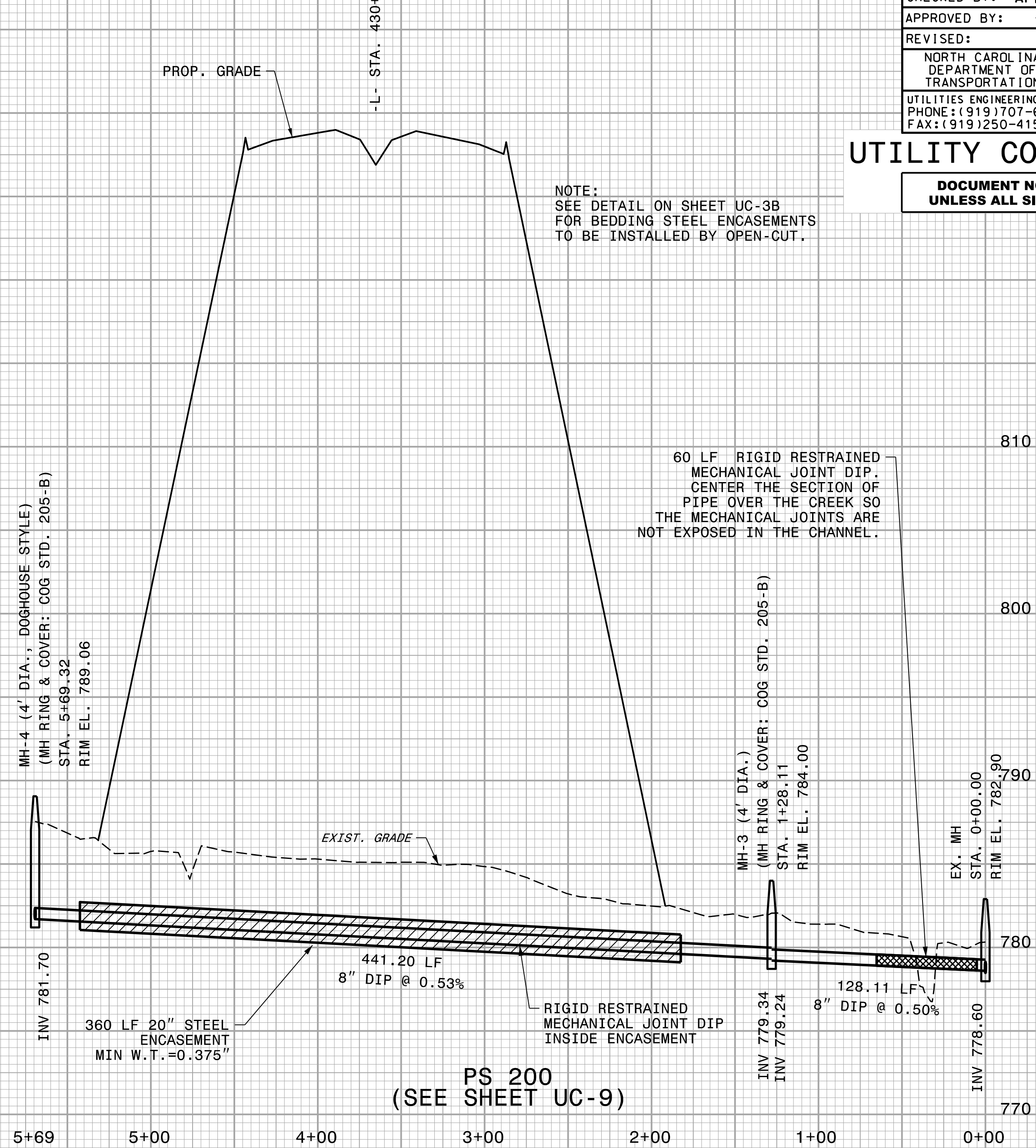
**DOCUMENT NOT CONSIDERED FINAL  
UNLESS ALL SIGNATURES COMPLETED**

NOTE:  
SEE DETAIL ON SHEET UC-3B  
FOR BEDDING STEEL ENCASEMENTS  
TO BE INSTALLED BY OPEN-CUT.

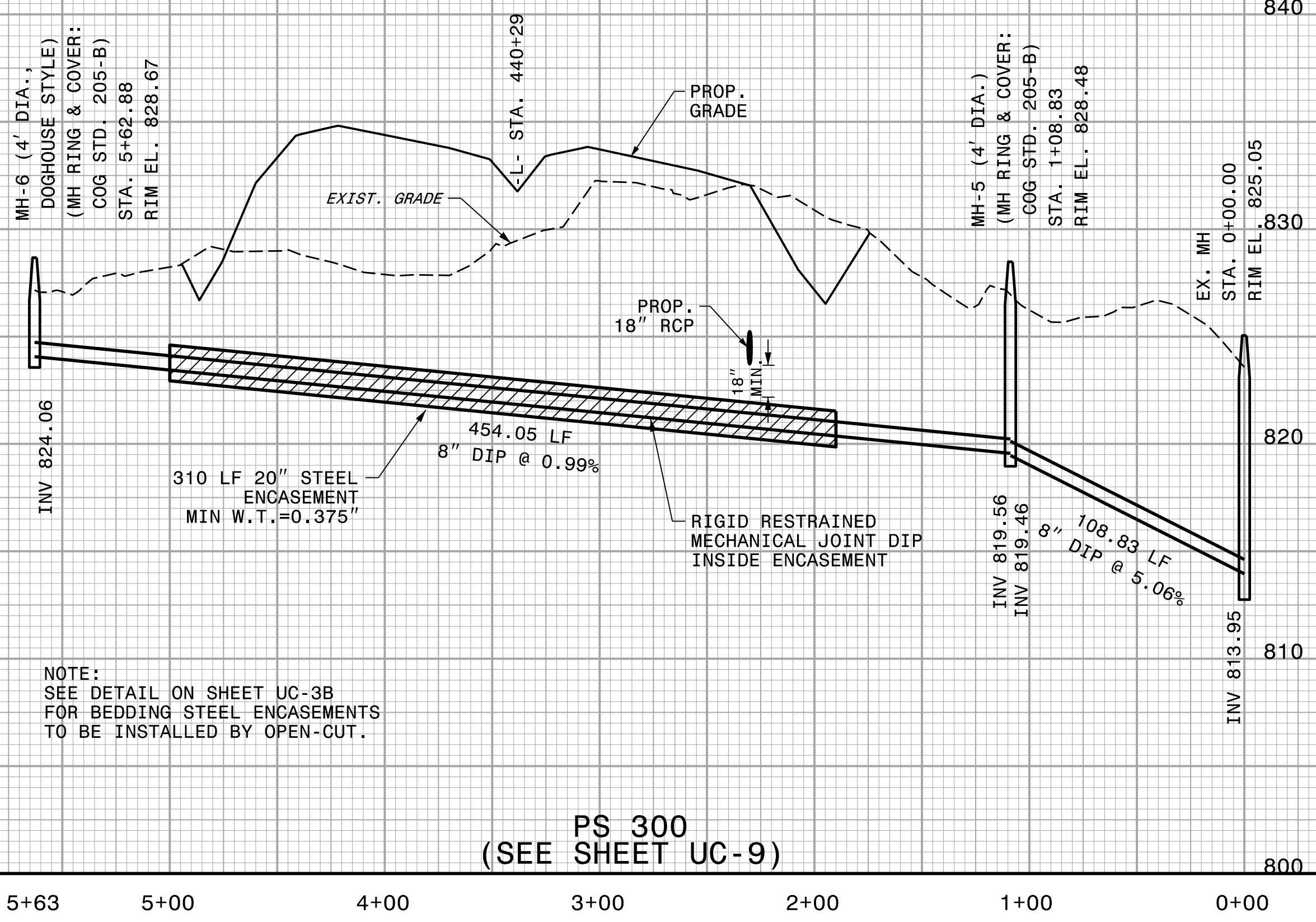
NOTE:  
SEE DETAIL ON SHEET UC-3B  
FOR BEDDING STEEL ENCASEMENTS  
TO BE INSTALLED BY OPEN-CUT.



**PS 100  
(SEE SHEET UC-8)**



**PS 200  
(SEE SHEET UC-9)**



**PS 300  
(SEE SHEET UC-9)**

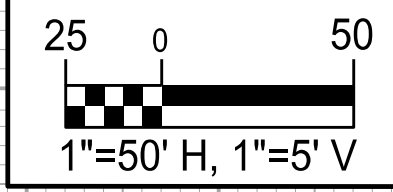
NOTE:  
SEE DETAIL ON SHEET UC-3B  
FOR BEDDING STEEL ENCASEMENTS  
TO BE INSTALLED BY OPEN-CUT.

60 LF RIGID RESTRAINED  
MECHANICAL JOINT DIP  
CENTER THE SECTION OF  
PIPE OVER THE CREEK SO  
THE MECHANICAL JOINTS ARE  
NOT EXPOSED IN THE CHANNEL.

REVISIONS

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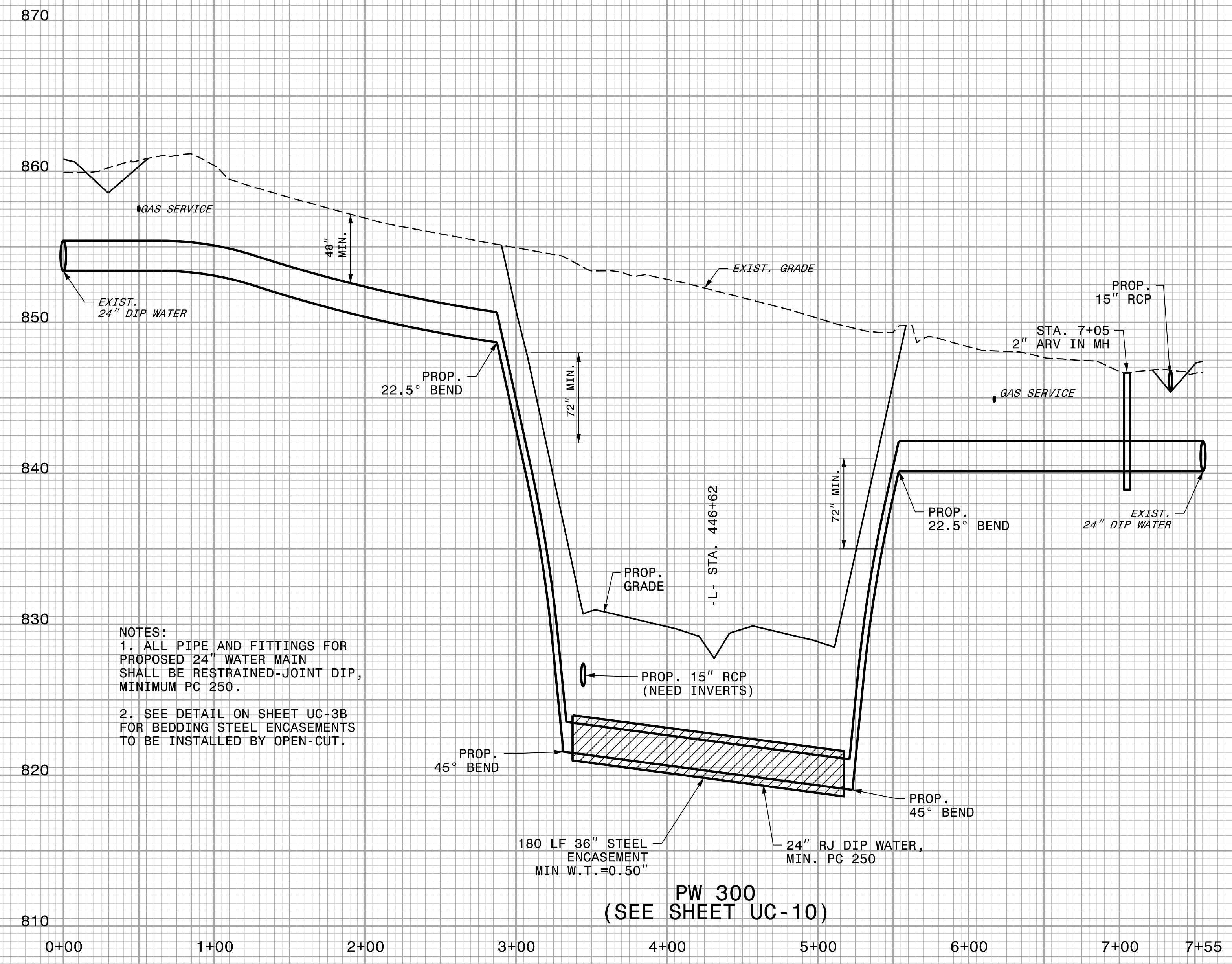


PROJECT REFERENCE NO. U-2525C	SHEET NO. UC-29
DESIGNED BY: APL	
DRAWN BY: RDL	
CHECKED BY: APL	
APPROVED BY:	
REVISED:	
NORTH CAROLINA DEPARTMENT OF TRANSPORTATION	11/15/2019
UTILITIES ENGINEERING SEC. PHONE: (919) 707-6690 FAX: (919) 250-4151	UTILITY CONSTRUCTION PLANS ONLY

### UTILITY CONSTRUCTION

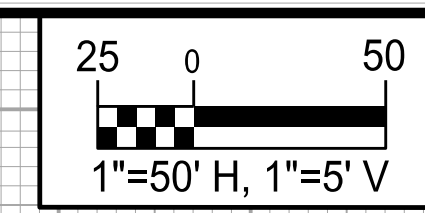
**DOCUMENT NOT CONSIDERED FINAL  
UNLESS ALL SIGNATURES COMPLETED**

REVISIONS





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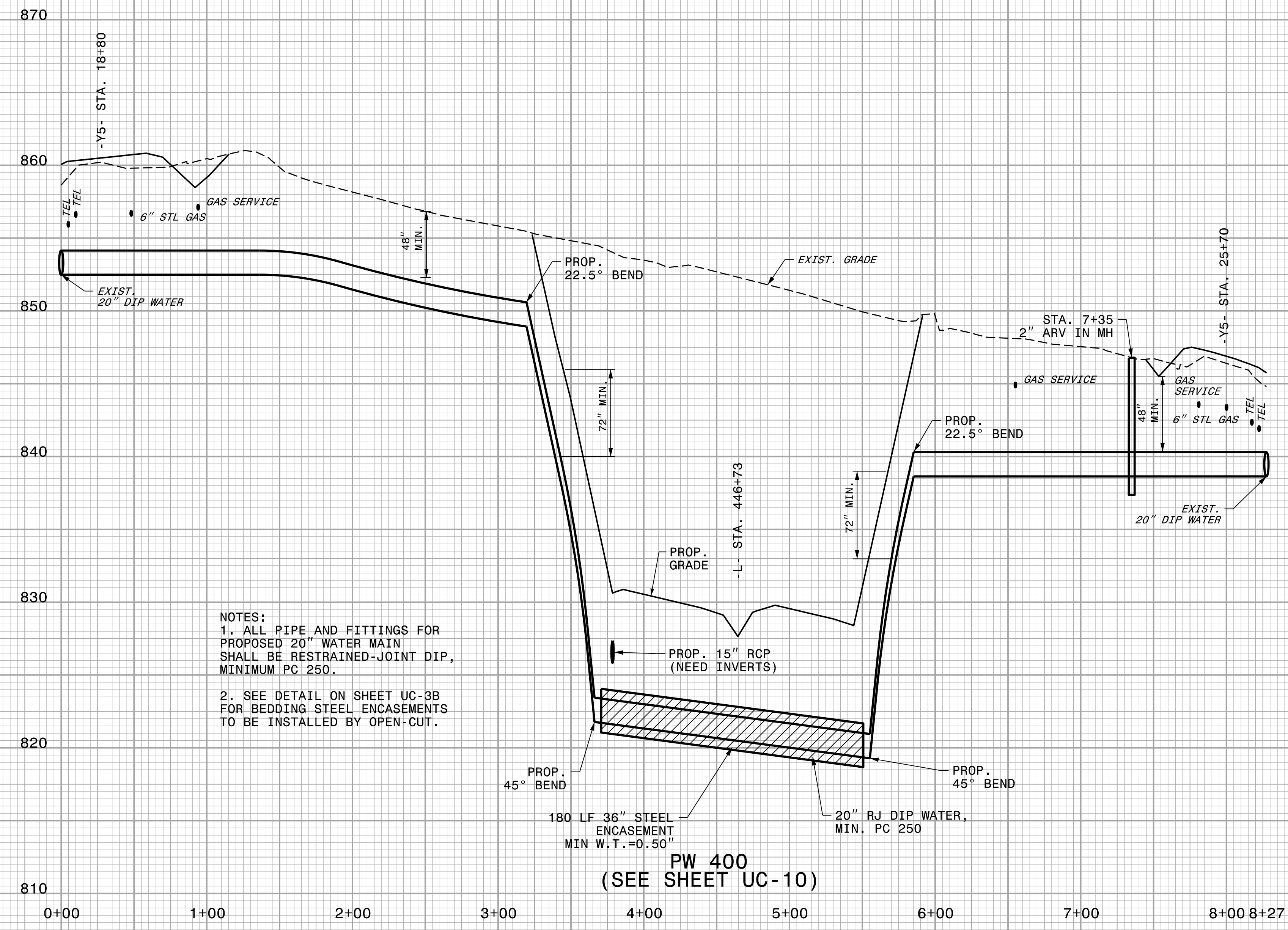


PROJECT REFERENCE NO. U-2525C	SHEET NO. UC-30
DESIGNED BY: APL	
DRAWN BY: RDL	
CHECKED BY: APL	
APPROVED BY:	
REVISED:	
NORTH CAROLINA DEPARTMENT OF TRANSPORTATION UTILITIES ENGINEERING SEC. PHONE: (919) 707-6690 FAX: (919) 250-4151	
11/15/2017 ANDREW P. LARRICK PROFESSIONAL ENGINEER LICENSE NO. 26457 UTILITY CONSTRUCTION PLANS ONLY	

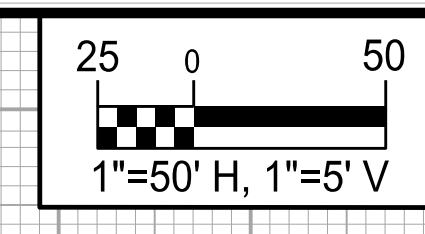
# UTILITY CONSTRUCTION

**DOCUMENT NOT CONSIDERED FINAL  
UNLESS ALL SIGNATURES COMPLETED**

REVISIONS



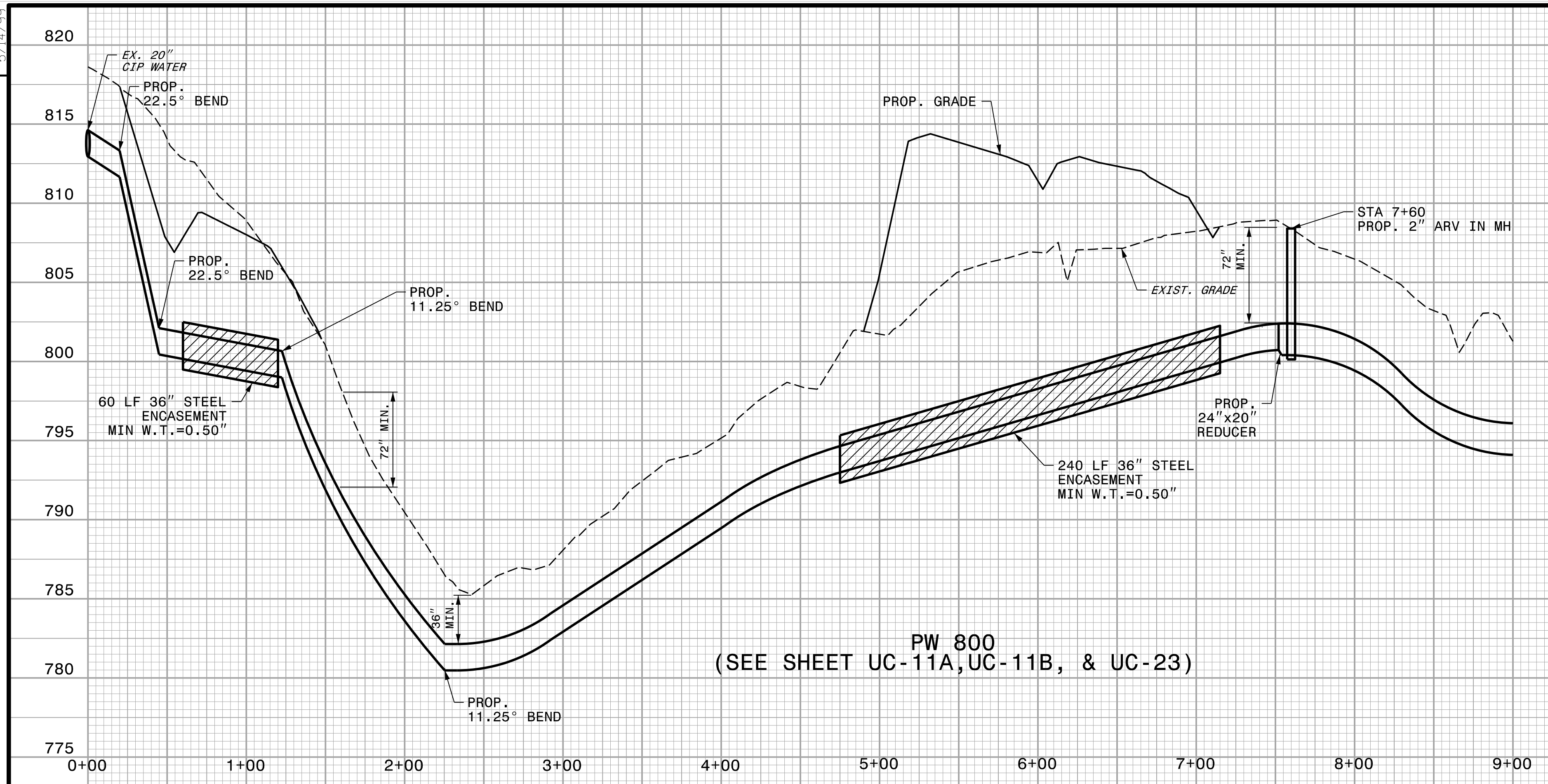
NOTES:  
 1. ALL PIPE AND FITTINGS FOR PROPOSED 20" WATER MAIN SHALL BE RESTRAINED-JOINT DIP, MINIMUM PC 250.  
 2. SEE DETAIL ON SHEET UC-3B FOR BEDDING STEEL ENCASEMENTS TO BE INSTALLED BY OPEN-CUT.



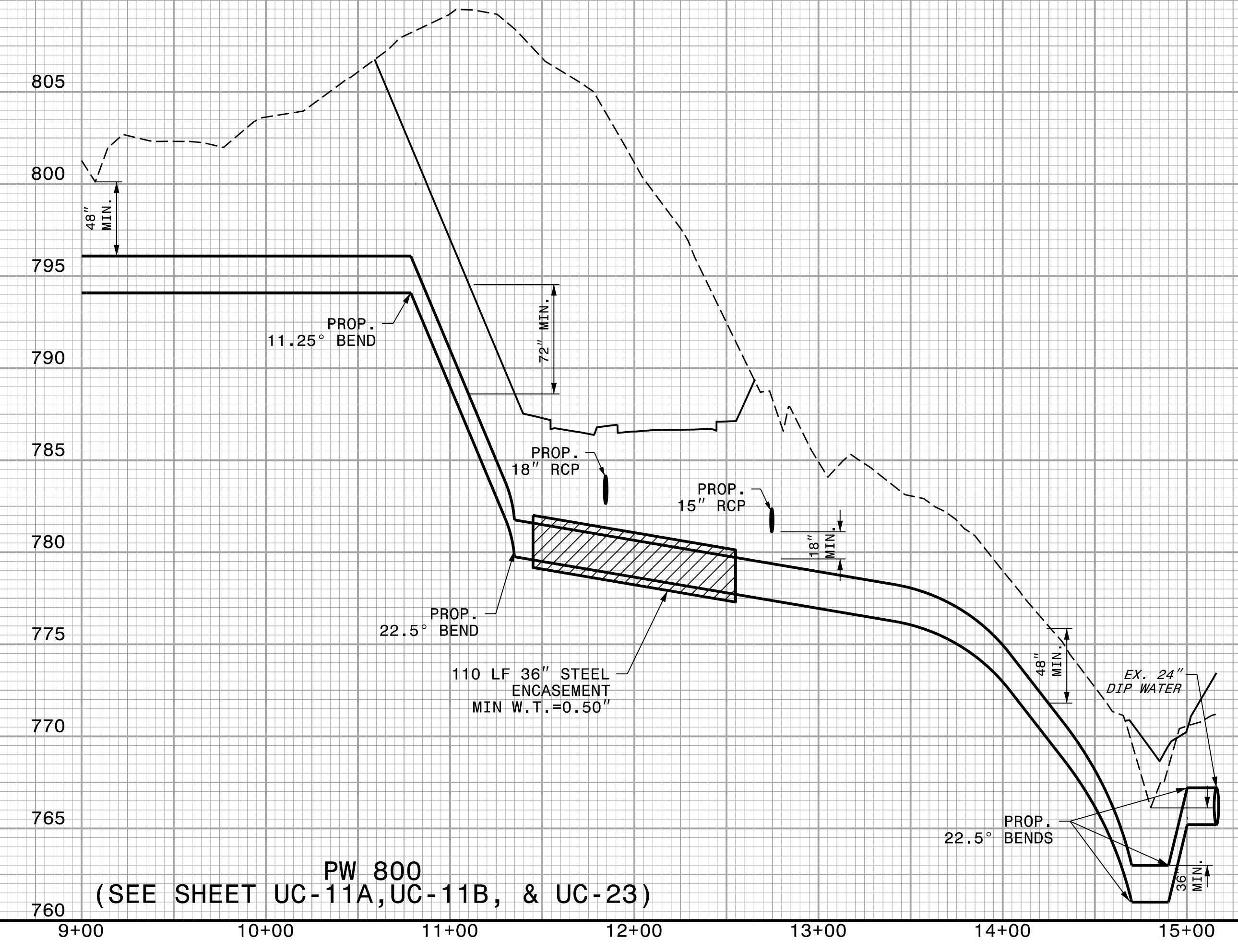
PROJECT REFERENCE NO. U-2525C	SHEET NO. UC-31
DESIGNED BY: APL	
DRAWN BY: RDL	
CHECKED BY: APL	
APPROVED BY:	
REVISED:	
NORTH CAROLINA DEPARTMENT OF TRANSPORTATION	11/15/2017 NEW P. LARRICK
UTILITIES ENGINEERING SEC. PHONE: (919) 707-6690 FAX: (919) 250-4151	UTILITY CONSTRUCTION PLANS ONLY

**UTILITY CONSTRUCTION**  
**DOCUMENT NOT CONSIDERED FINAL  
 UNLESS ALL SIGNATURES COMPLETED**

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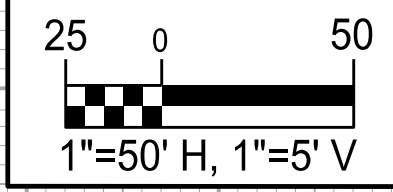


PW 800  
(SEE SHEET UC-11A, UC-11B, & UC-23)



PW 800  
(SEE SHEET UC-11A, UC-11B, & UC-23)

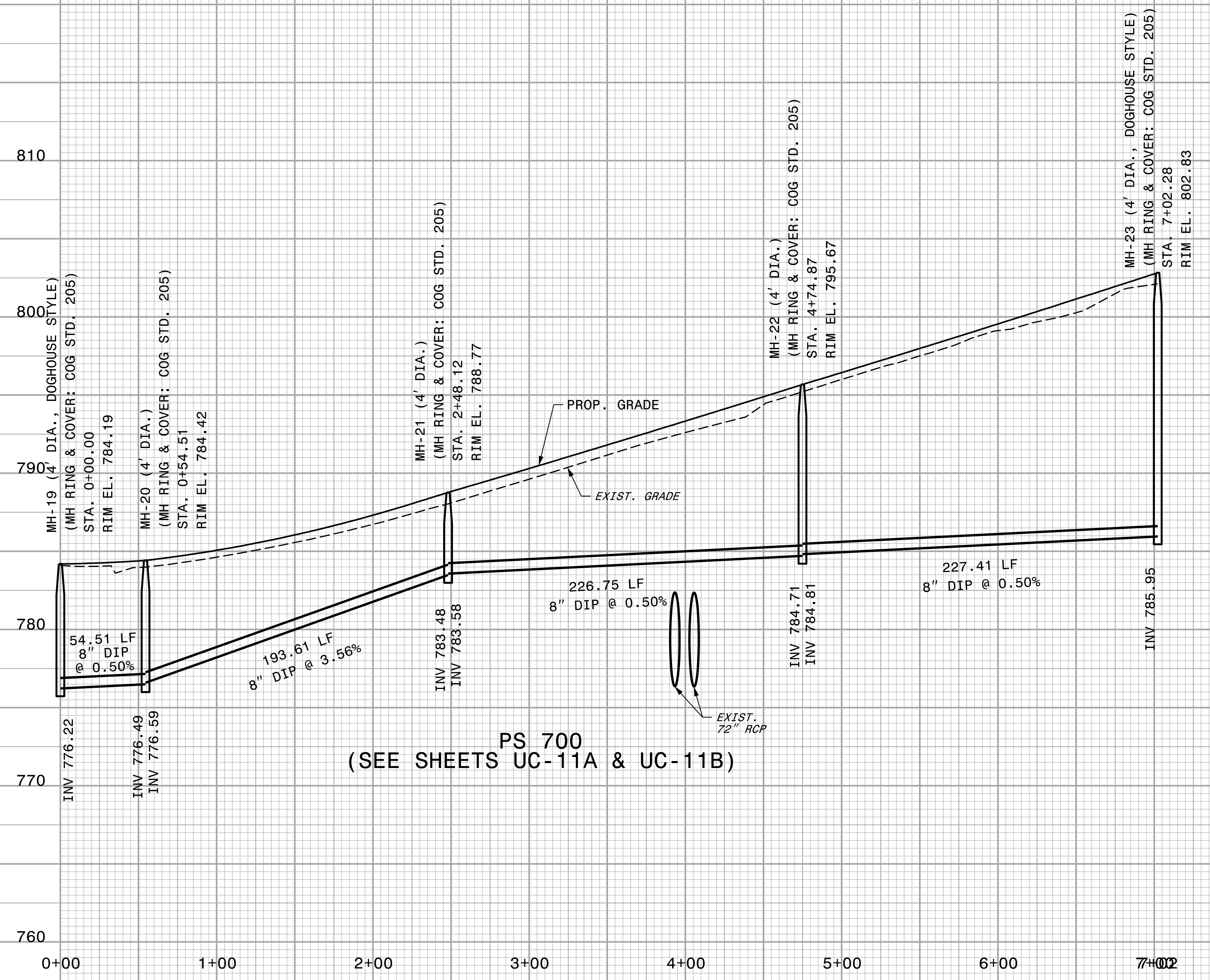
5/14/99



PROJECT REFERENCE NO. U-2525C	SHEET NO. UC-32
DESIGNED BY: APL	
DRAWN BY: RDL	
CHECKED BY: APL	
APPROVED BY:	
REVISED:	
NORTH CAROLINA DEPARTMENT OF TRANSPORTATION UTILITIES ENGINEERING SEC. PHONE: (919) 707-6690 FAX: (919) 250-4151	
11/15/2017 ANDREW P. LARRICK PROFESSIONAL ENGINEER UTILITY CONSTRUCTION PLANS ONLY	

**UTILITY CONSTRUCTION**  
 DOCUMENT NOT CONSIDERED FINAL  
 UNLESS ALL SIGNATURES COMPLETED

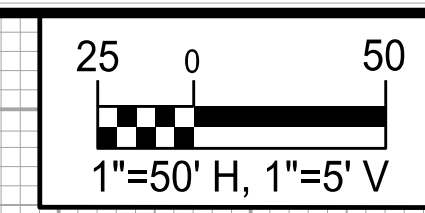
REVISIONS



PS 700  
 (SEE SHEETS UC-11A & UC-11B)

11/15/2017  
 ANDREW P. LARRICK  
 PROFESSIONAL ENGINEER  
 UTILITY CONSTRUCTION PLANS ONLY

5/14/99

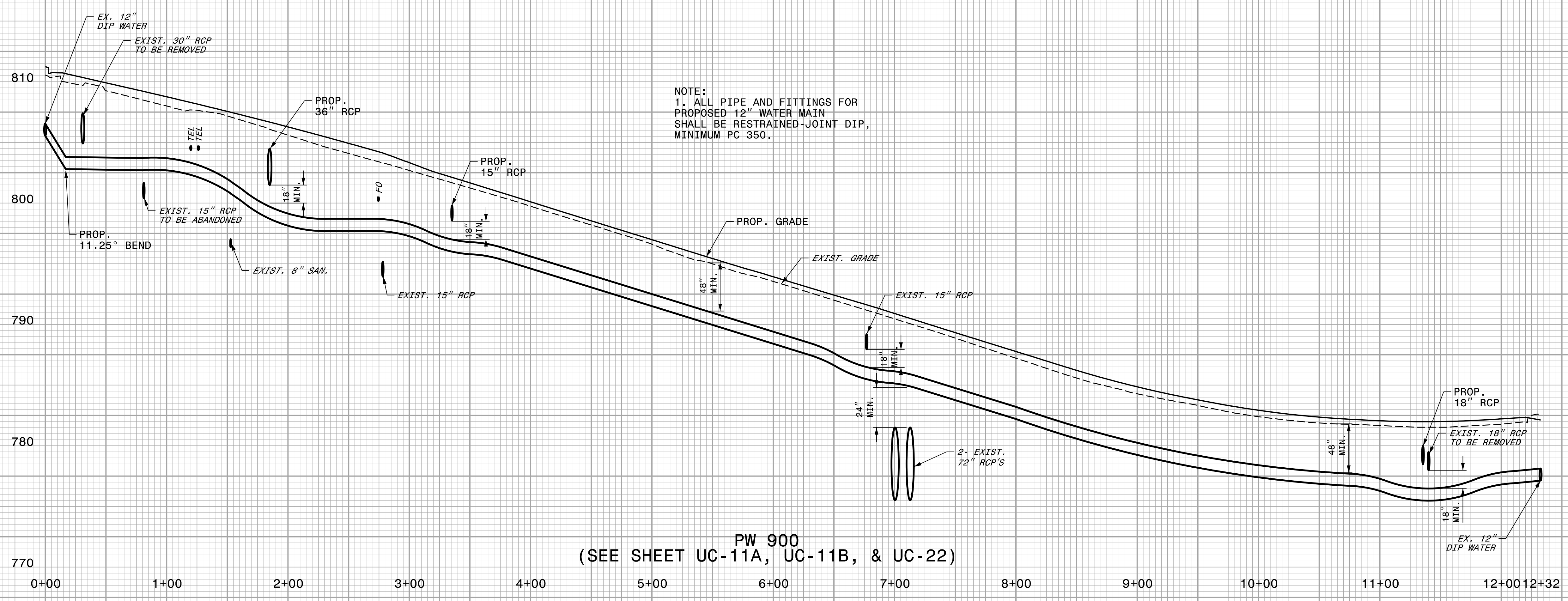


PROJECT REFERENCE NO. U-2525C	SHEET NO. UC-33
DESIGNED BY: APL	
DRAWN BY: RDL	
CHECKED BY: APL	
APPROVED BY:	
REVISED:	11/15/2017
NORTH CAROLINA DEPARTMENT OF TRANSPORTATION	
UTILITIES ENGINEERING SEC. PHONE: (919) 707-6690 FAX: (919) 250-4151	UTILITY CONSTRUCTION PLANS ONLY

### UTILITY CONSTRUCTION

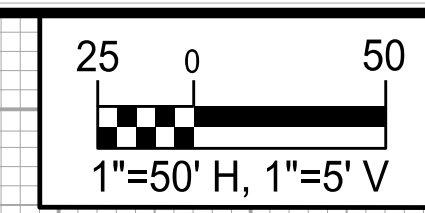
**DOCUMENT NOT CONSIDERED FINAL  
UNLESS ALL SIGNATURES COMPLETED**

REVISIONS



PW 900  
(SEE SHEET UC-11A, UC-11B, & UC-22)

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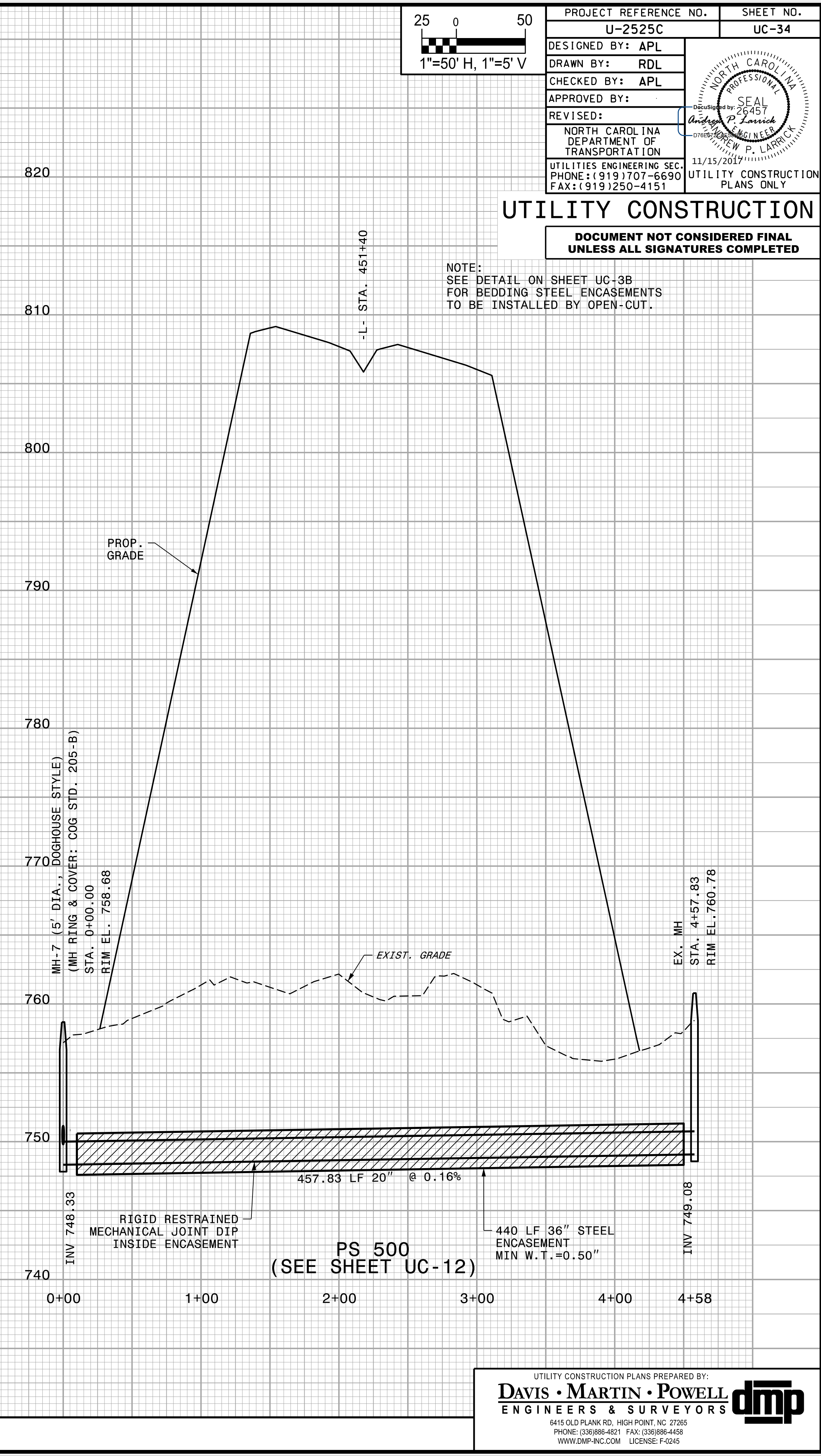
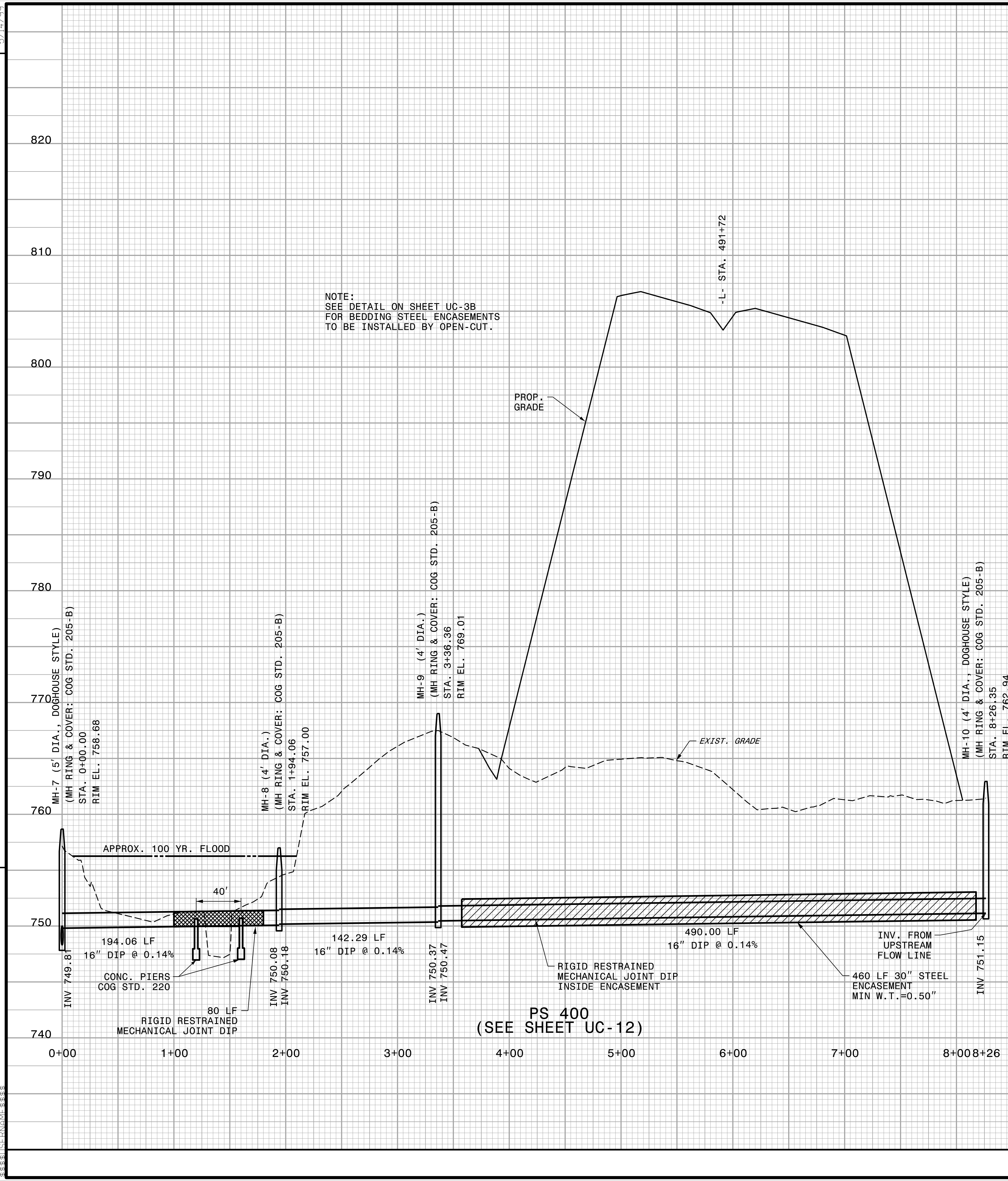
PROJECT REFERENCE NO. U-2525C	SHEET NO. UC-34
DESIGNED BY: APL	
DRAWN BY: RDL	
CHECKED BY: APL	
APPROVED BY:	
REVISED BY:	
NORTH CAROLINA DEPARTMENT OF TRANSPORTATION UTILITIES ENGINEERING SEC. PHONE: (919) 707-6690 FAX: (919) 250-4151	
11/15/2011 UTILITY CONSTRUCTION PLANS ONLY	

**UTILITY CONSTRUCTION**

**DOCUMENT NOT CONSIDERED FINAL  
UNLESS ALL SIGNATURES COMPLETED**

NOTE:  
SEE DETAIL ON SHEET UC-3B  
FOR BEDDING STEEL ENCASEMENTS  
TO BE INSTALLED BY OPEN-CUT.

REVISIONS



PS 400  
(SEE SHEET UC-12)

PS 500  
(SEE SHEET UC-12)

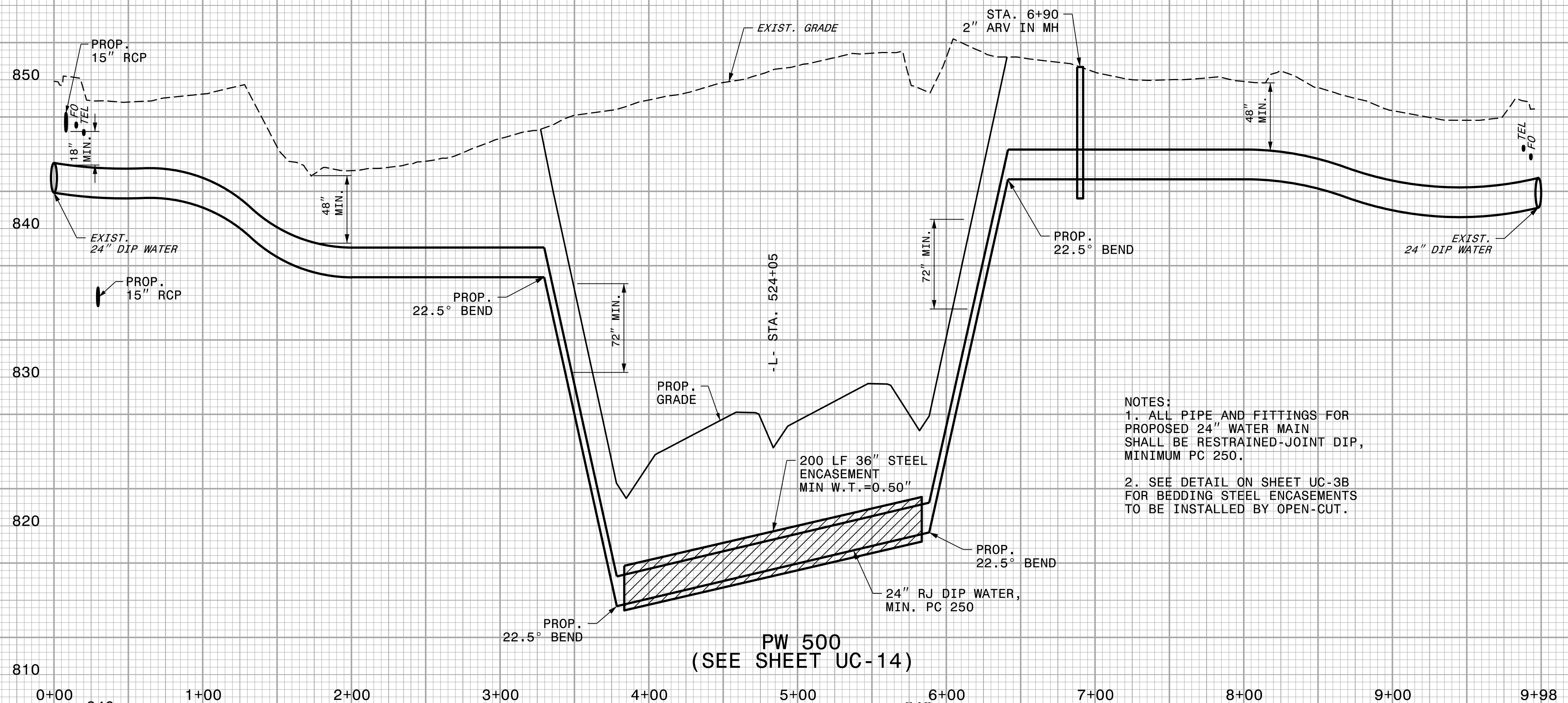


PROJECT REFERENCE NO.	SHEET NO.
U-2525C	UC-35
DESIGNED BY: APL	
DRAWN BY: RDL	
CHECKED BY: APL	
APPROVED BY:	
REVISED:	11/15/2017
NORTH CAROLINA DEPARTMENT OF TRANSPORTATION	
UTILITIES ENGINEERING SEC. PHONE: (919) 707-6690 FAX: (919) 250-4151	UTILITY CONSTRUCTION PLANS ONLY

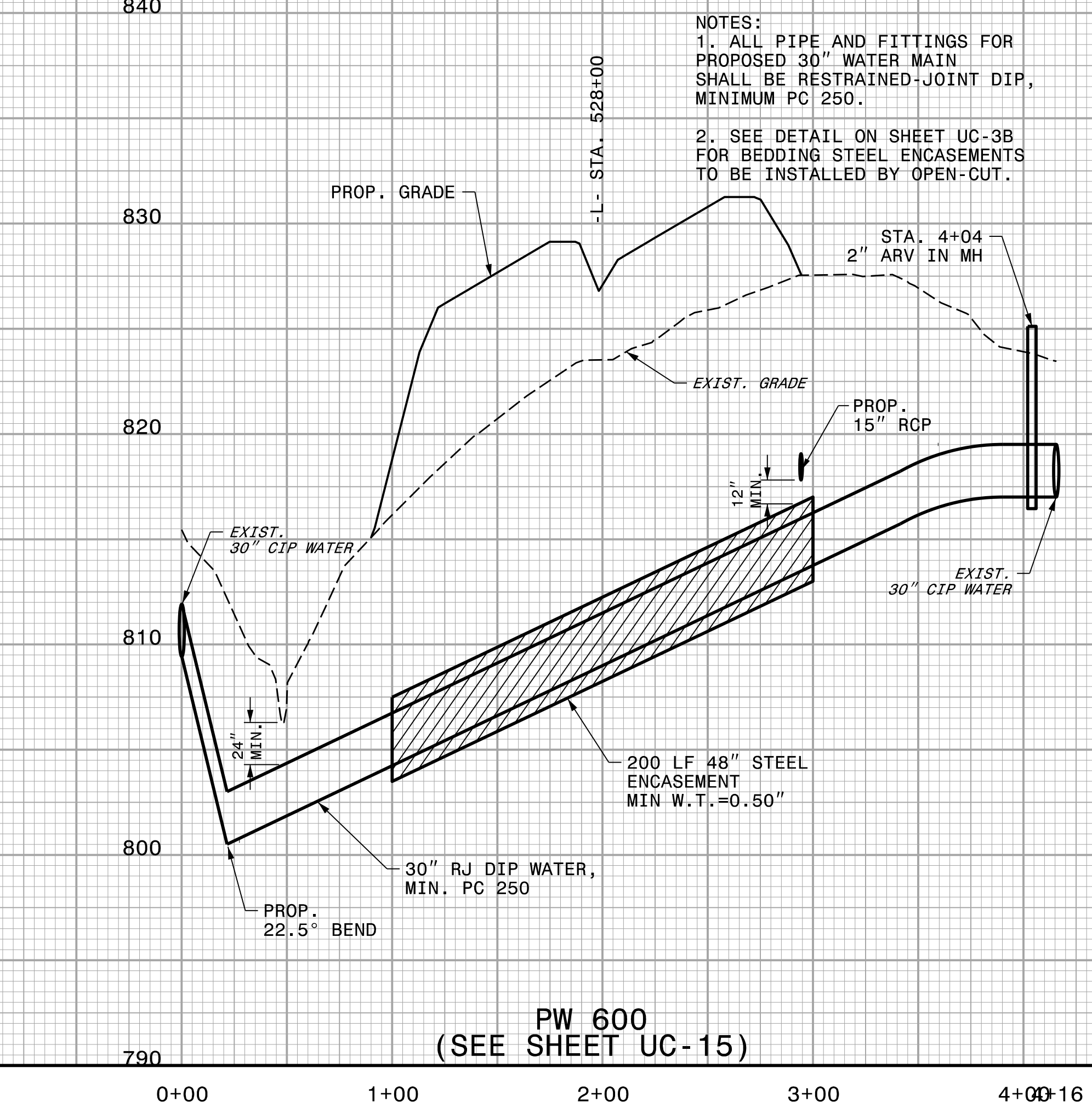
### UTILITY CONSTRUCTION

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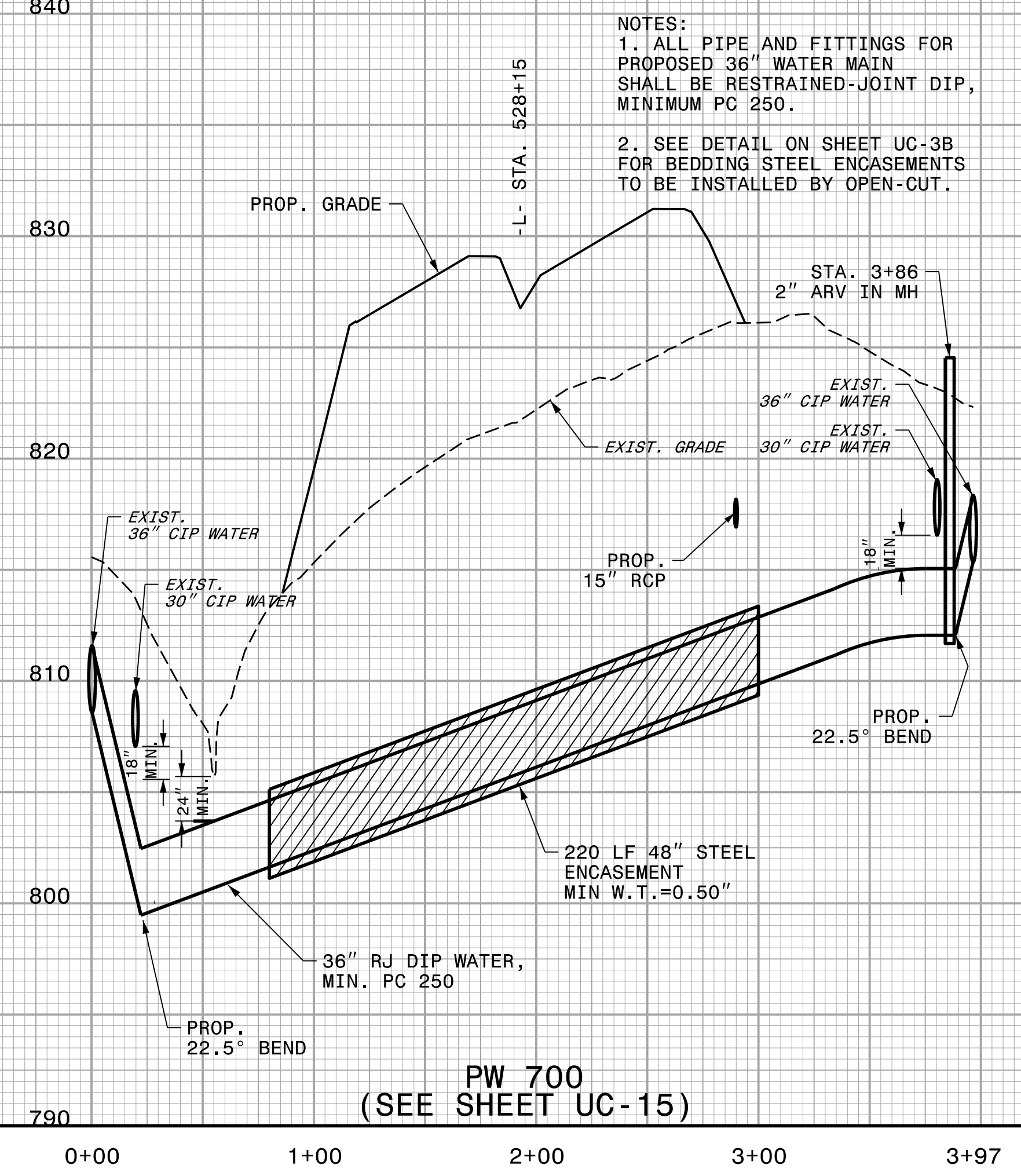
REVISIONS



PW 500 (SEE SHEET UC-14)



PW 600 (SEE SHEET UC-15)



PW 700 (SEE SHEET UC-15)