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05-JUN-2018 16:53  
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5/14/2018

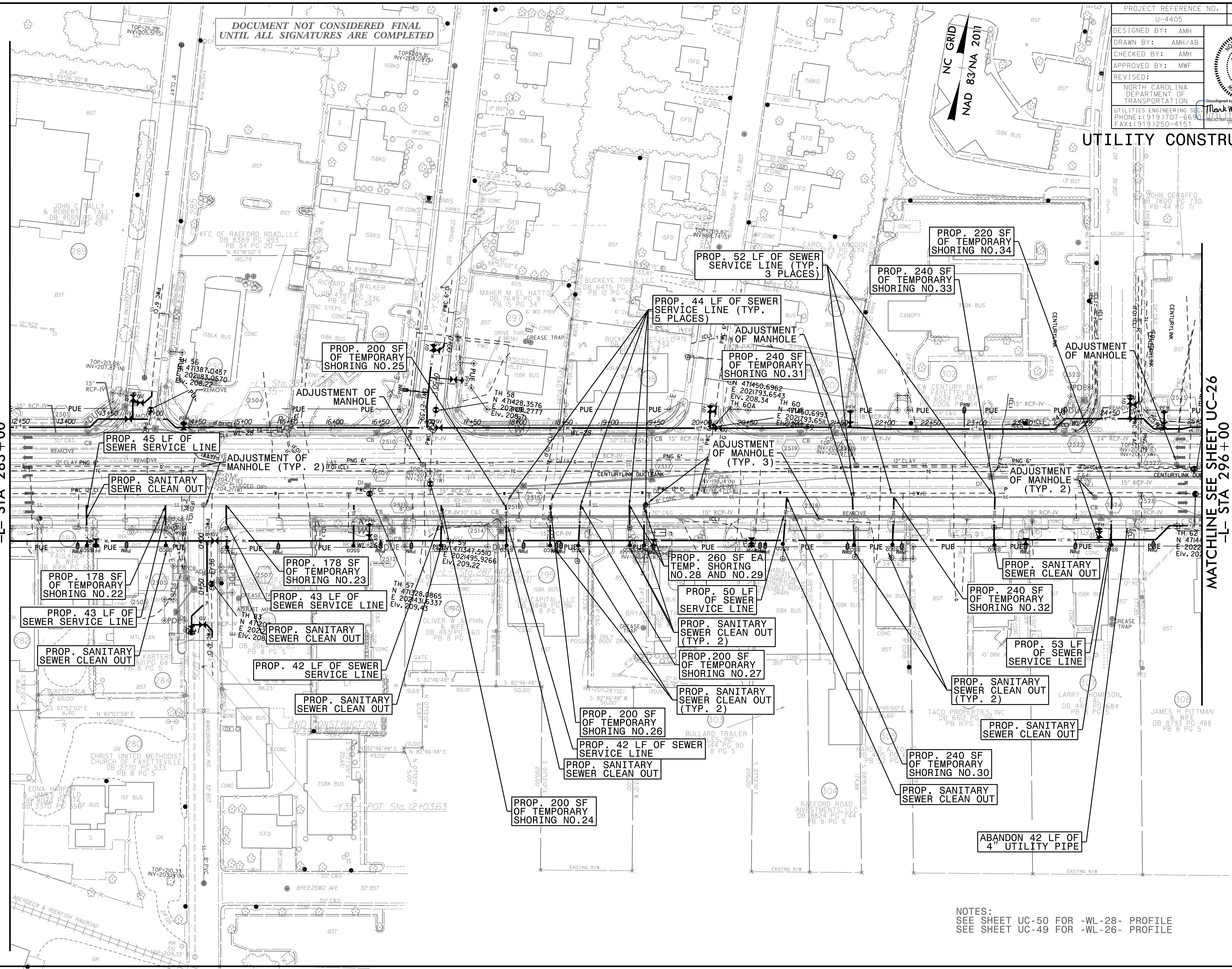
MATCHLINE SEE SHEET UC-24  
-L- STA 283+00

MATCHLINE SEE SHEET UC-26  
-L- STA 296+00

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UNTIL ALL SIGNATURES ARE COMPLETED

# UTILITY CONSTRUCTION

PROJECT REFERENCE NO.	UC-25A
DESIGNED BY:	AMH
DRAWN BY:	AMH/AB
CHECKED BY:	AMH
APPROVED BY:	MWF
REVISED:	
NORTH CAROLINA DEPARTMENT OF TRANSPORTATION	
UTILITIES ENGINEERING SEC. PHONE: (919) 707-6690 FAX: (919) 250-4151	
6/12/2018 Mark W. Fisher SEAL 025490 NORTH CAROLINA PROFESSIONAL ENGINEER PLANS ONLY	



NOTES:  
SEE SHEET UC-50 FOR -WL-28- PROFILE  
SEE SHEET UC-49 FOR -WL-26- PROFILE



PROJECT REFERENCE NO.	U-4405
SHEET NO.	UC-26
DESIGNED BY:	AMH
DRAWN BY:	AMH/AB
CHECKED BY:	AMH
APPROVED BY:	MWF
REVISED:	
NORTH CAROLINA DEPARTMENT OF TRANSPORTATION UTILITIES ENGINEERING SECTION PHONE: (919) 707-6630 FAX: (919) 250-4151	

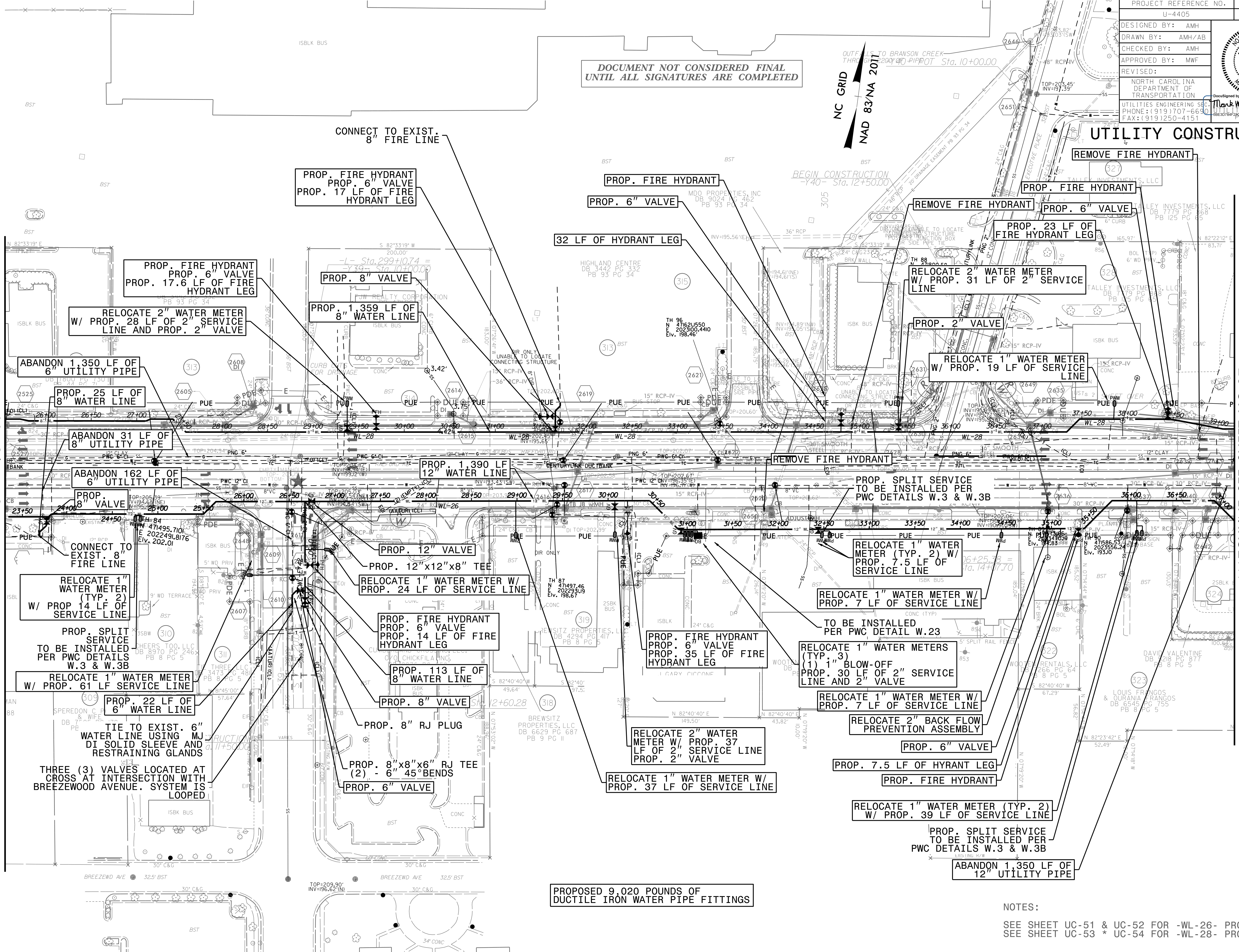
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UNTIL ALL SIGNATURES ARE COMPLETED

NC GRID  
NAD 83/NA 2011

UTILITY CONSTRUCTION

MATCHLINE SEE SHEET UC-25  
-L- STA 296+00

MATCHLINE SEE SHEET UC-27  
-L- STA 309+50



PROPOSED 9,020 POUNDS OF  
DUCTILE IRON WATER PIPE FITTINGS

NOTES:  
SEE SHEET UC-51 & UC-52 FOR -WL-26- PROFILE  
SEE SHEET UC-53 \* UC-54 FOR -WL-28- PROFILE

3-MAY-2018 14:52  
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 5/14/2018



PROJECT REFERENCE NO.	U-4405	SHEET NO.	UC-26A
DESIGNED BY:	AMH		
DRAWN BY:	AMH/AB		
CHECKED BY:	AMH		
APPROVED BY:	MWF		
REVISED:			
NORTH CAROLINA DEPARTMENT OF TRANSPORTATION		6/12/2018	
UTILITIES ENGINEERING SECTION		CONSTRUCTION PLANS ONLY	
PHONE: (919) 707-6630		FAX: (919) 250-4151	

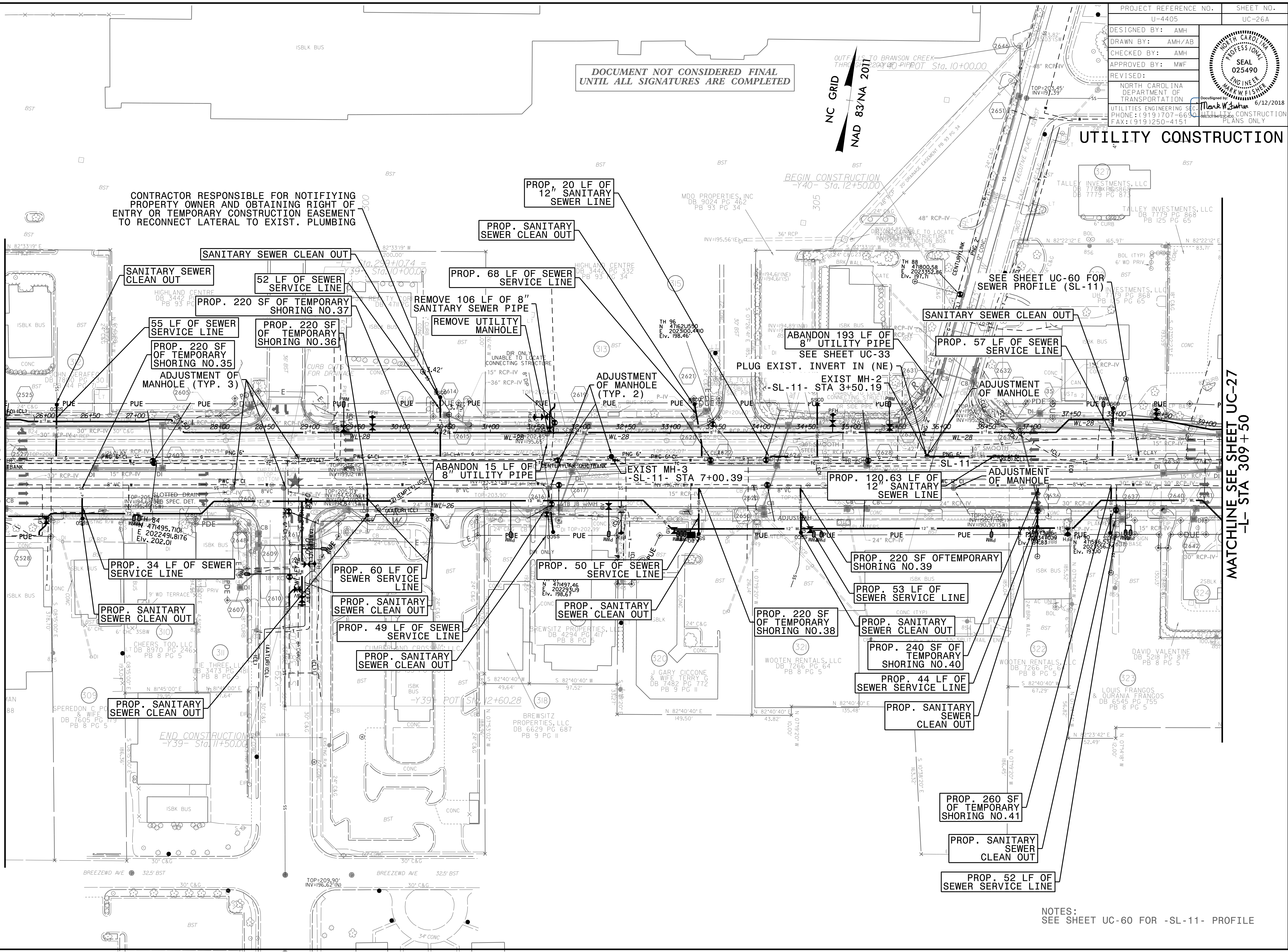
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NC GRID  
NAD 83/NA 2011

UTILITY CONSTRUCTION

MATCHLINE SEE SHEET UC-25  
-L- STA 296+00

MATCHLINE SEE SHEET UC-27  
-L- STA 309+50



CONTRACTOR RESPONSIBLE FOR NOTIFYING  
PROPERTY OWNER AND OBTAINING RIGHT OF  
ENTRY OR TEMPORARY CONSTRUCTION EASEMENT  
TO RECONNECT LATERAL TO EXIST. PLUMBING

BEGIN CONSTRUCTION  
-740- Sta. 12+50.00

SEE SHEET UC-60 FOR  
SEWER PROFILE (SL-11)

ABANDON 193 LF OF  
8" UTILITY PIPE  
SEE SHEET UC-33  
PLUG EXIST. INVERT IN (NE)  
EXIST MH-2  
-SL-11- STA 3+50.19

ABANDON 15 LF OF  
8" UTILITY PIPE  
EXIST MH-3  
-SL-11- STA 7+00.39

ADJUSTMENT  
OF MANHOLE

ADJUSTMENT  
OF MANHOLE

PROP. SANITARY  
SEWER CLEAN OUT

PROP. 260 SF  
OF TEMPORARY  
SHORING NO. 41

PROP. SANITARY  
SEWER  
CLEAN OUT

PROP. 52 LF OF  
SEWER SERVICE LINE

NOTES:  
SEE SHEET UC-60 FOR -SL-11- PROFILE

05-JUN-2018 16:57 L:\Projects\2018\Projects\Charlotteville Public Works Commission\2015\01700RA Reeford Road NCDOT U 4405\CADD\NCDOT PLANS\Utilities\Engineering\UC\Proj\U4405\_ut.rd\26\_uc26a\_psh.dgn 5/14/2018



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PROJECT REFERENCE NO.	SHEET NO.
U-4405	UC-27
DESIGNED BY: AMH	
DRAWN BY: AMH/AB	
CHECKED BY: AMH	
APPROVED BY: MWF	
REVISED:	
NORTH CAROLINA DEPARTMENT OF TRANSPORTATION UTILITIES ENGINEERING SECTION PHONE: (919) 707-6699 FAX: (919) 250-4151	

NC GRID  
NAD 83/NA 2011

UTILITY CONSTRUCTION

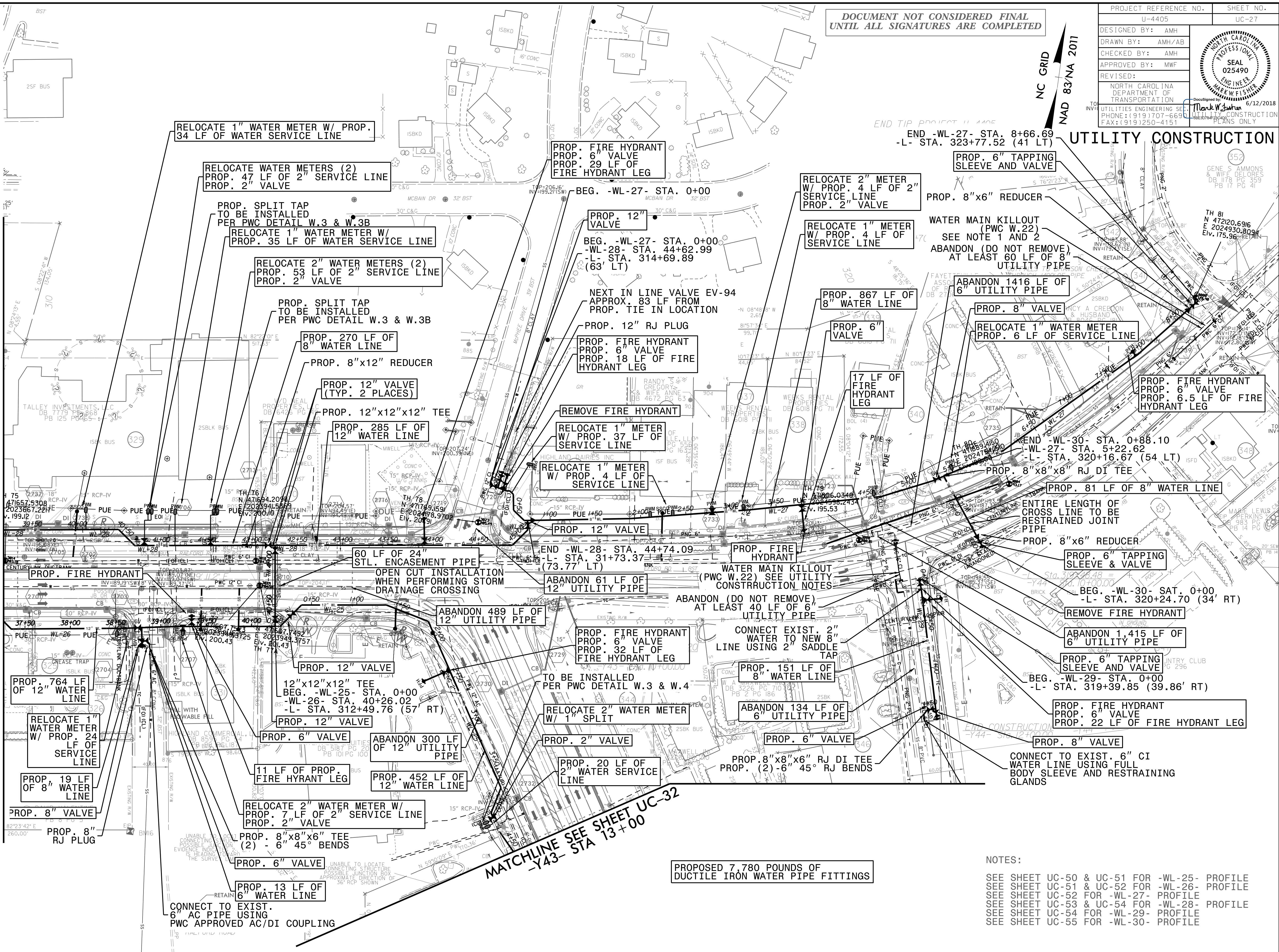
MATCHLINE SEE SHEET UC-26  
-L- STA 309 + 50

MATCHLINE SEE SHEET UC-32  
-Y43- STA 13 + 00

PROPOSED 7,780 POUNDS OF  
DUCTILE IRON WATER PIPE FITTINGS

NOTES:

- SEE SHEET UC-50 & UC-51 FOR -WL-25- PROFILE
- SEE SHEET UC-51 & UC-52 FOR -WL-26- PROFILE
- SEE SHEET UC-52 FOR -WL-27- PROFILE
- SEE SHEET UC-53 & UC-54 FOR -WL-28- PROFILE
- SEE SHEET UC-54 FOR -WL-29- PROFILE
- SEE SHEET UC-55 FOR -WL-30- PROFILE



5/14/09  
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 6/12/2018  
 Mark W. Fisher  
 025490



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PROJECT REFERENCE NO.	SHEET NO.
U-4405	UC-27A
DESIGNED BY: AMH	
DRAWN BY: AMH/AB	
CHECKED BY: AMH	
APPROVED BY: MWF	
REVISED:	
NORTH CAROLINA DEPARTMENT OF TRANSPORTATION UTILITIES ENGINEERING SECTION PHONE: (919) 707-6600 FAX: (919) 250-4151	

NC GRID  
NAD 83/NA 2011

### UTILITY CONSTRUCTION

GENE S. AMMONS & WIFE DELORES  
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PB 17 PG 41

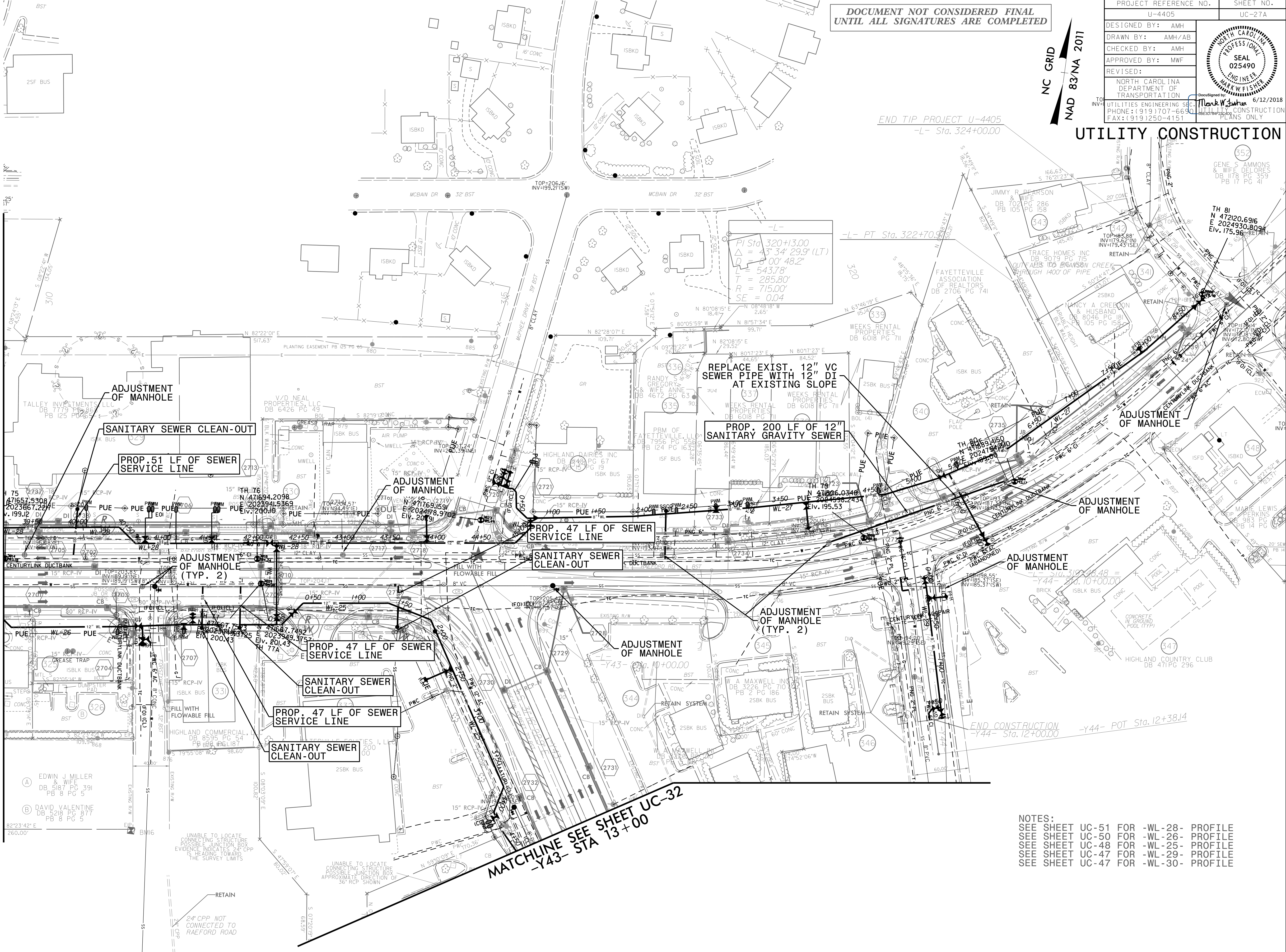
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END TIP PROJECT U-4405  
-L- Sta. 324+00.00

END CONSTRUCTION  
-Y44- Sta. 12+00.00 -Y44- POT Sta. 12+38.14

MATCHLINE SEE SHEET UC-26  
-L- STA 309 + 50

MATCHLINE SEE SHEET UC-32  
-Y43- STA 13 + 00



- NOTES:
- SEE SHEET UC-51 FOR -WL-28- PROFILE
  - SEE SHEET UC-50 FOR -WL-26- PROFILE
  - SEE SHEET UC-48 FOR -WL-25- PROFILE
  - SEE SHEET UC-47 FOR -WL-29- PROFILE
  - SEE SHEET UC-47 FOR -WL-30- PROFILE

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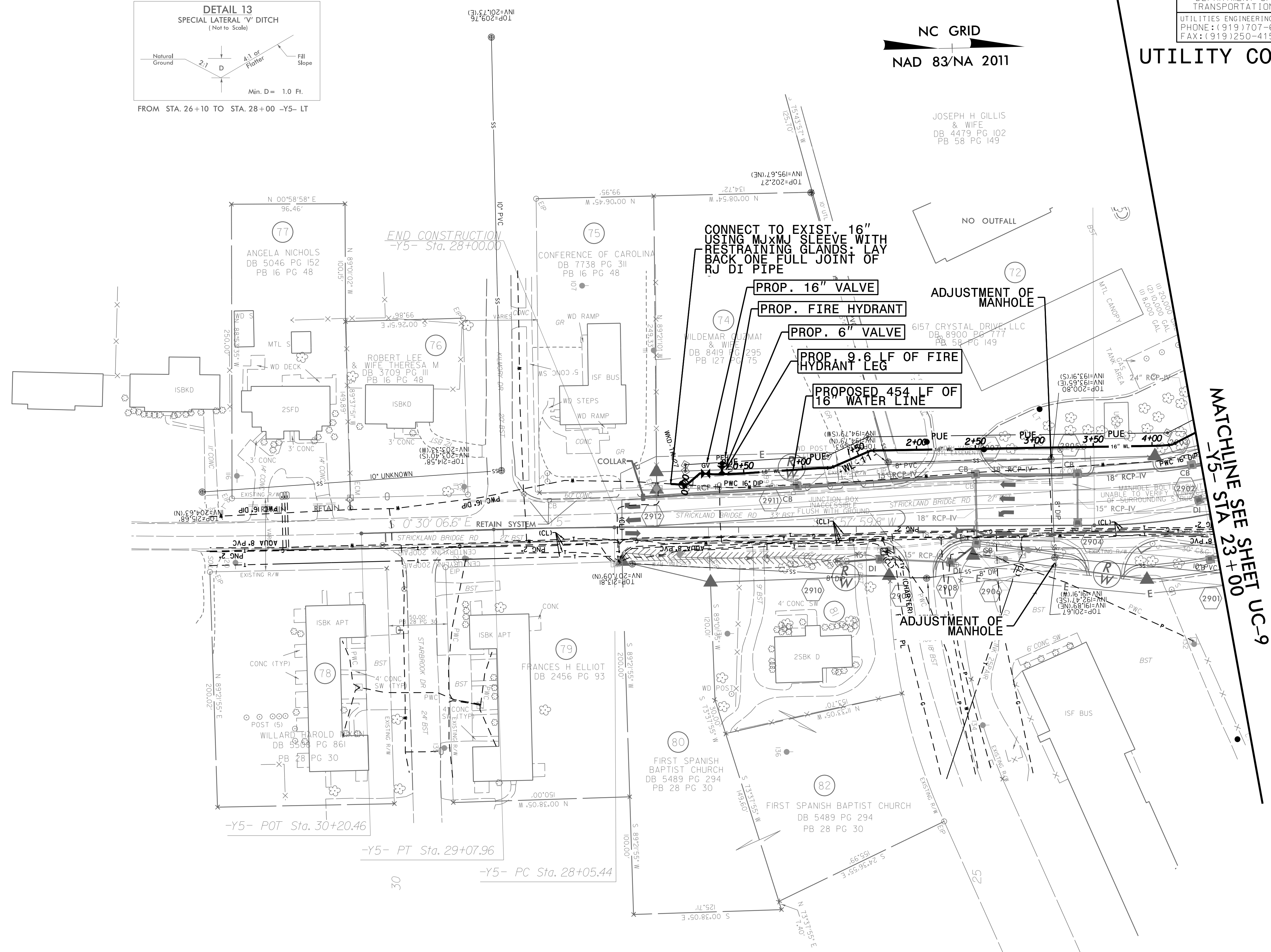
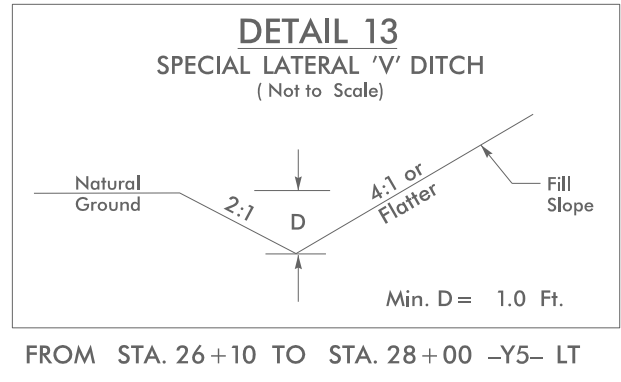






**UTILITY CONSTRUCTION**

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MATCHLINE SEE SHEET UC-9  
-Y5- STA 23+00

**PROPOSED 2,490 POUNDS OF  
DUCTILE IRON WATER PIPE FITTINGS**

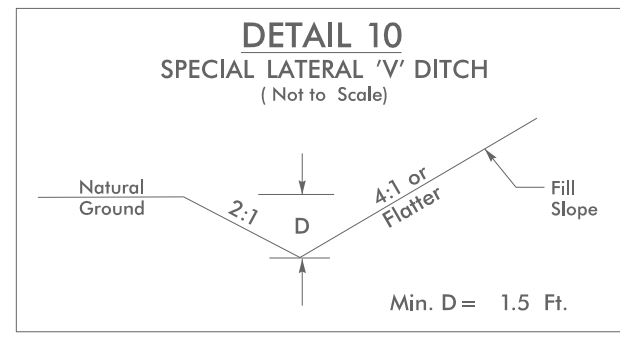
-Y5-	
PI Sta 28+56.71	PI Sta 22+82.12
$\Delta = 1' 28' 06.4\" (LT)$	$\Delta = 25' 18' 13.3\" (RT)$
$D = 1' 25' 56.6\"$	$D = 10' 44' 58.8\"$
$L = 102.52'$	$L = 235.39'$
$T = 51.26'$	$T = 119.65'$
$R = 4,000.00'$	$R = 533.00'$
	$SE = 0.02$

NOTE:  
SEE SHEET UC-38 FOR -WL-11 PROFILE

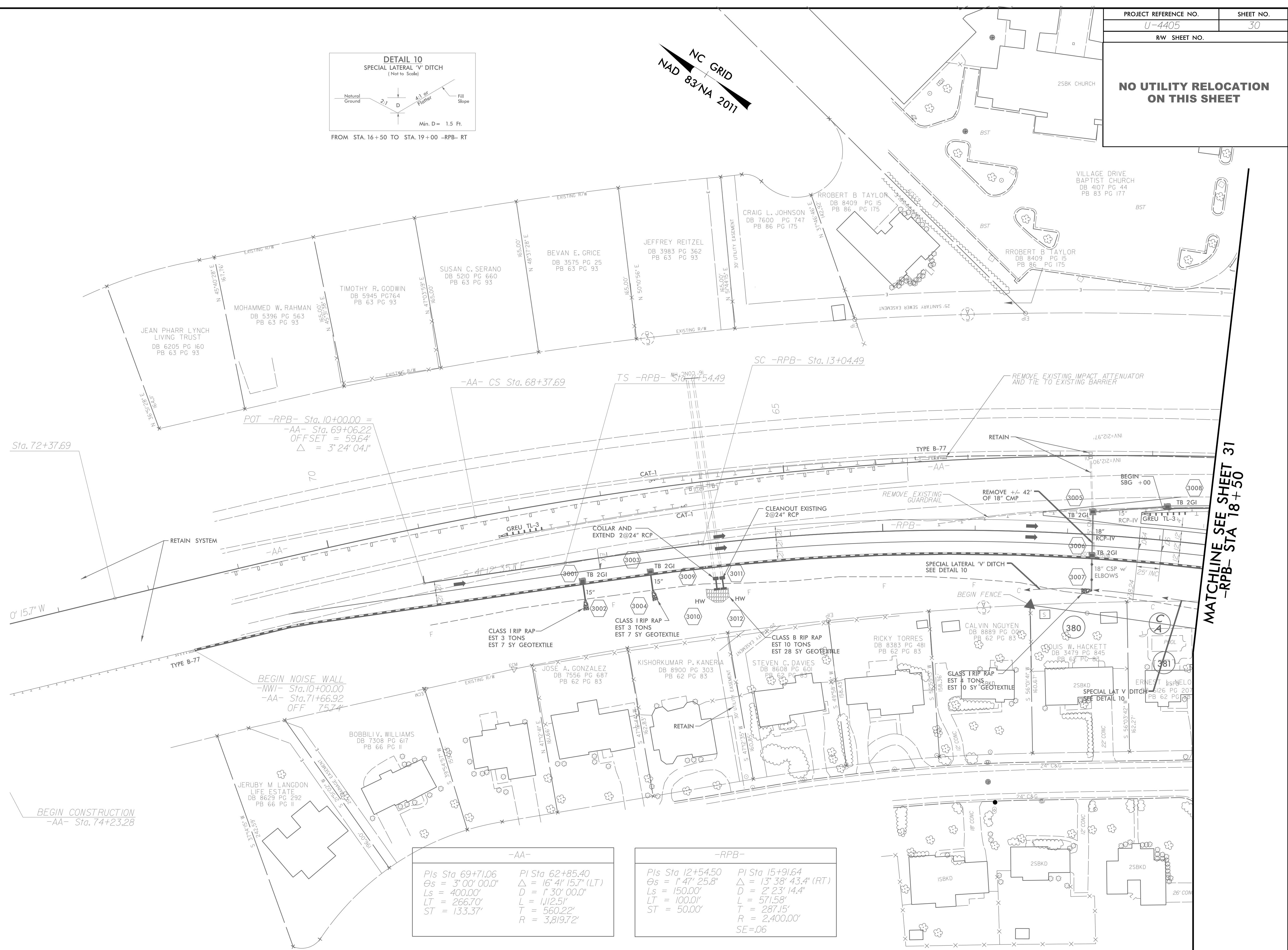
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 chuman - AT 11/1/2018



**NO UTILITY RELOCATION ON THIS SHEET**



NC GRID  
NAD 83/NA 2011



Sta. 72+37.69

POT -RPB- Sta. 10+00.00 =  
-AA- Sta. 69+06.22  
OFFSET = 59.64'  
Δ = 3° 24' 04.1"

-AA- CS Sta. 68+37.69

TS -RPB- Sta. 75+54.49

SC -RPB- Sta. 13+04.49

0° 15.7' W

BEGIN NOISE WALL  
-NW1- Sta. 10+00.00  
-AA- Sta. 71+66.92  
OFF 75.74'

BEGIN CONSTRUCTION  
-AA- Sta. 74+23.28

-AA-	
PI Sta 69+71.06	PI Sta 62+85.40
Os = 3° 00' 00.0"	Δ = 16° 41' 15.7" (LT)
Ls = 400.00'	D = 1' 30' 00.0"
LT = 266.70'	L = 1,112.51'
ST = 133.37'	T = 560.22'
	R = 3,819.72'

-RPB-	
PIs Sta 12+54.50	PI Sta 15+91.64
Os = 1° 47' 25.8"	Δ = 13° 38' 43.4" (RT)
Ls = 150.00'	D = 2' 23' 14.4"
LT = 100.00'	L = 571.58'
ST = 50.00'	T = 287.15'
	R = 2,400.00'
	SE = 06

MATCHLINE SEE SHEET 31  
-RPB- STA 18+50

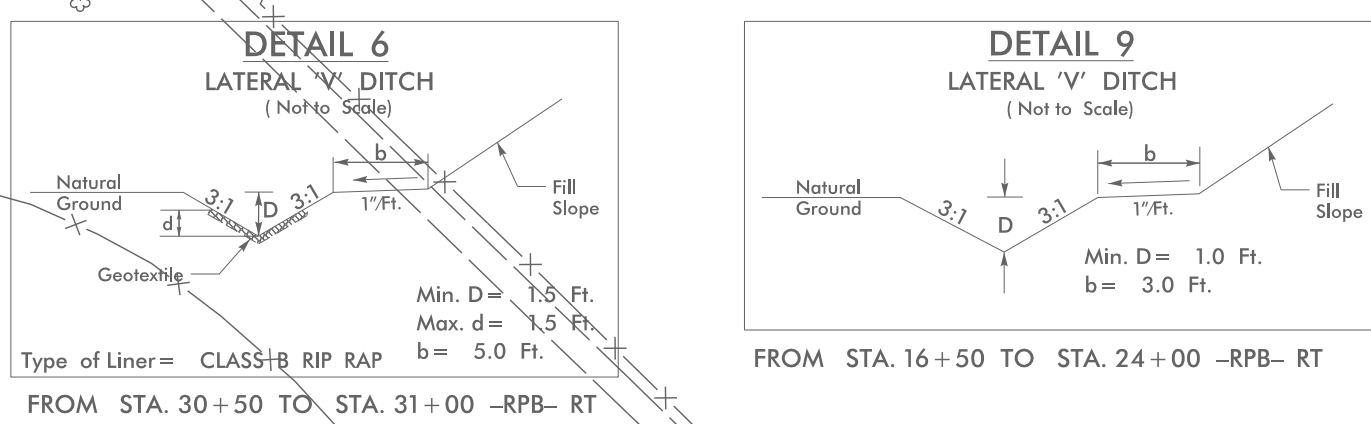
NOTE: SEE SHEET 45 FOR -RPB- PROFILE

REVISIONS

8/17/99  
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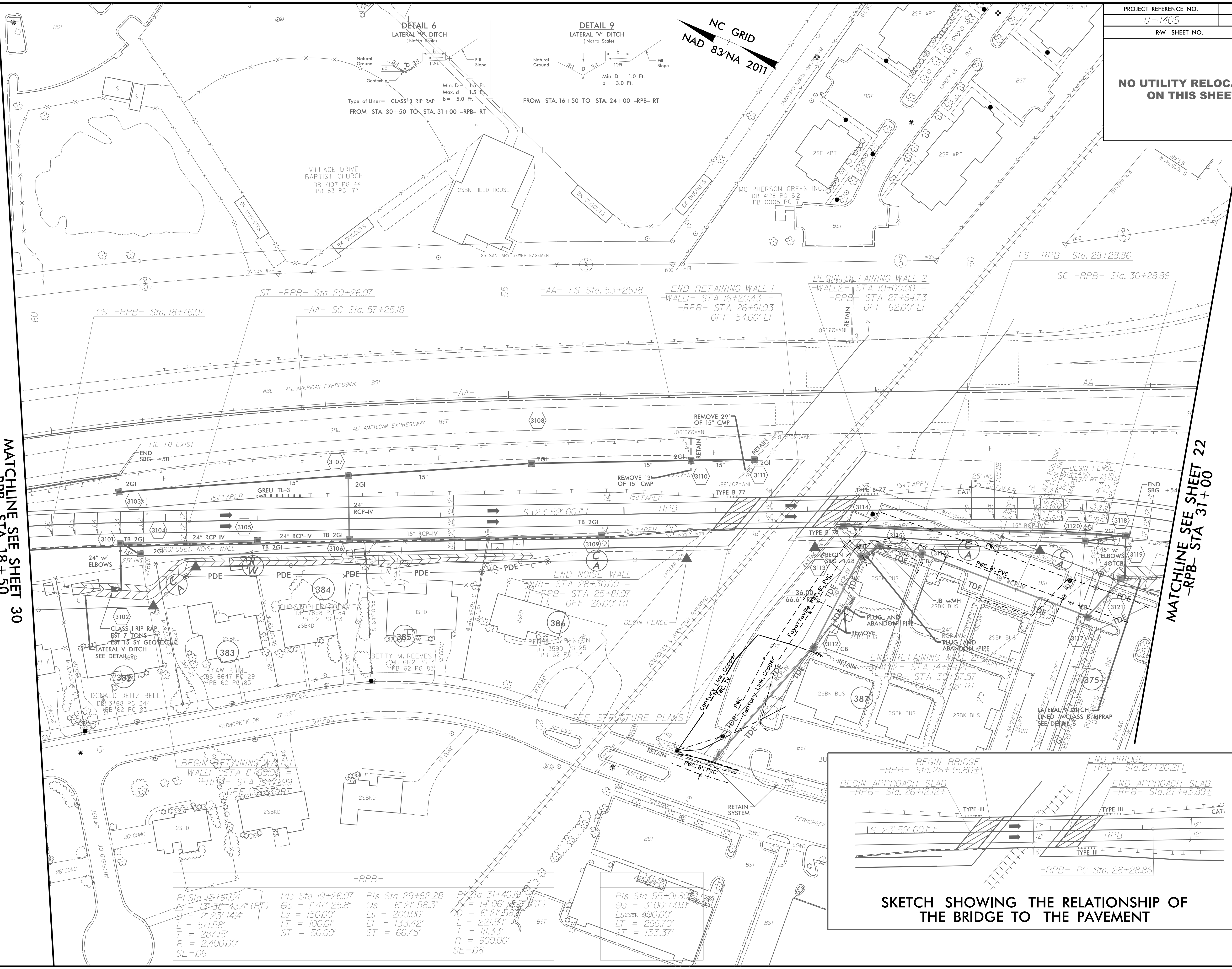


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NAD 83/NA 2011

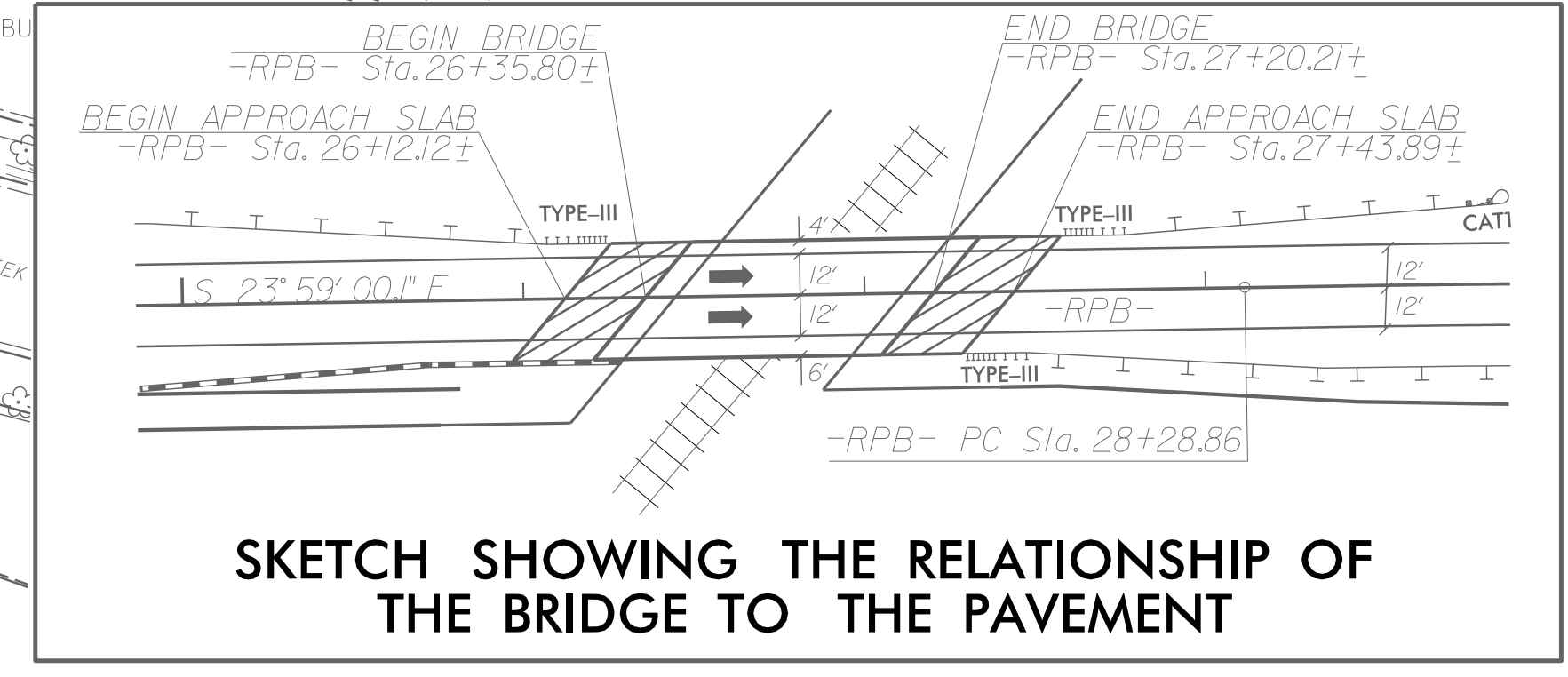


MATCHLINE SEE SHEET 30  
-RPB- STA 18+50

MATCHLINE SEE SHEET 22  
-RPB- STA 31+00



PI Sta 15+91.64 Δ = 13° 38' 43.4" (RT) D = 2' 23' 14.4" L = 571.58' T = 287.15' R = 2,400.00' SE = .06	PIs Sta 19+26.07 Os = 1° 47' 25.8" Ls = 150.00' LT = 100.00' ST = 50.00'	PIs Sta 29+62.28 Os = 6° 21' 58.3" Ls = 200.00' LT = 133.42' ST = 66.75'	PI Sta 31+40.19 Os = 14° 06' 18.2" (RT) D = 6' 21' 58.8" L = 221.54' T = 111.33' R = 900.00' SE = .08	PIs Sta 55+91.89 Os = 3° 00' 00.0" Ls 2SBK = 400.00' LT = 266.70' ST = 133.37'
--	--	--	---	--



8/17/99  
31-MAY-2018 14:42  
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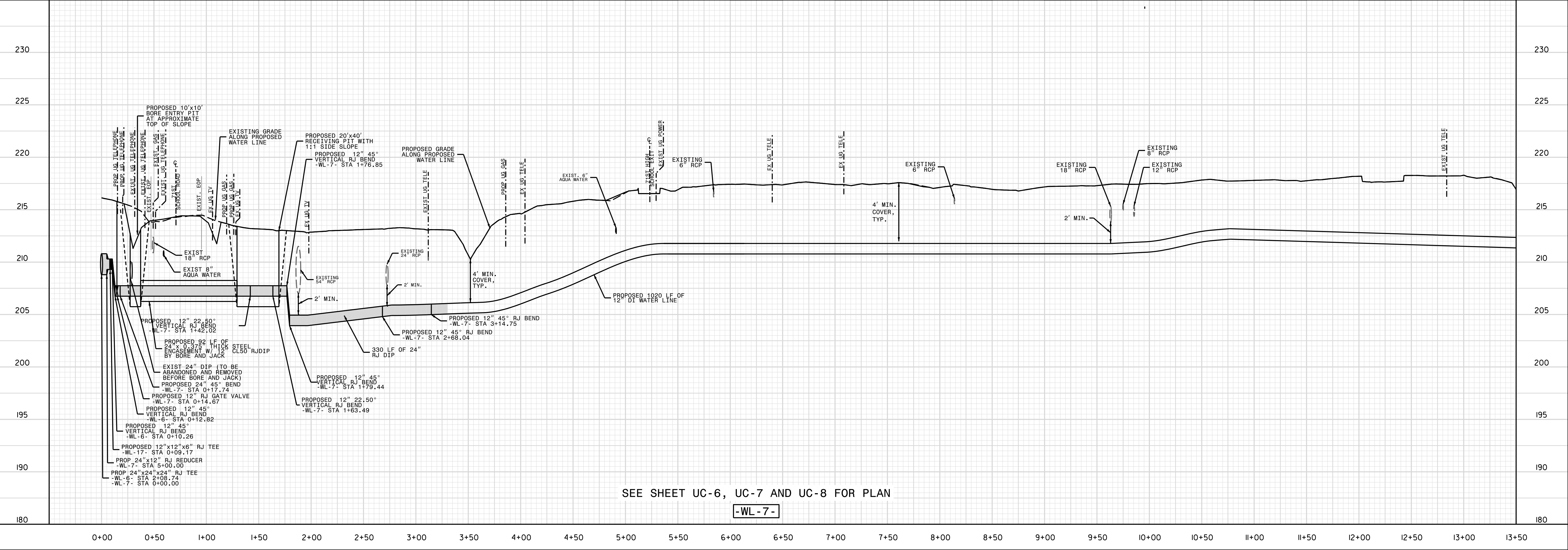
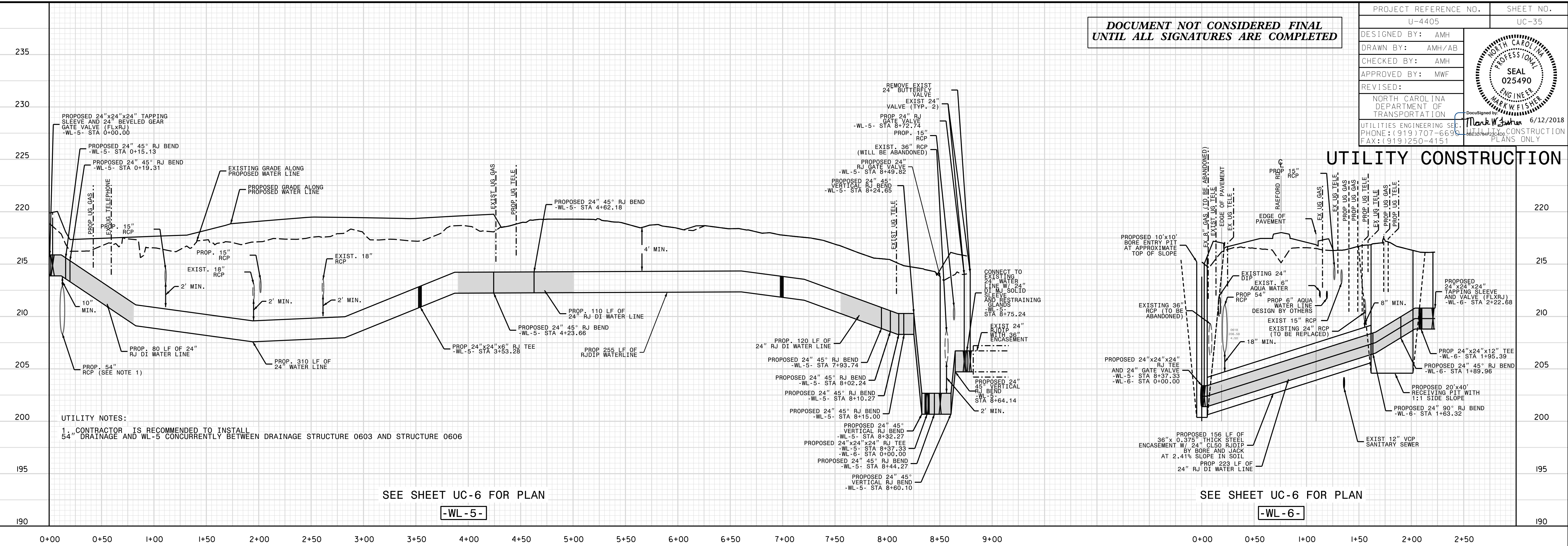


5/28/99

31 MAY 2018 14:40 L:\Projects\2015017700RA Reeford Road NCDOT U 4405\CADD\NCDOT PLANS\Utilities\Engineering\UC\Proj\U4405.ut.pl\_uc35.psh.dgn

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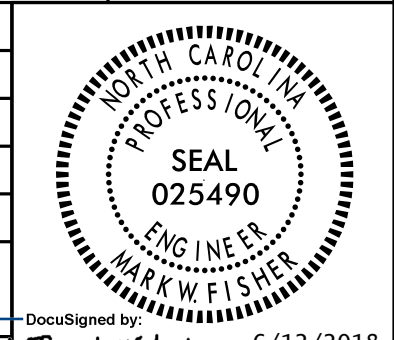
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DESIGNED BY:	AMH		
DRAWN BY:	AMH/AB		
CHECKED BY:	AMH		
APPROVED BY:	MWF		
REVISED:			
NORTH CAROLINA DEPARTMENT OF TRANSPORTATION		6/12/2018	
UTILITIES ENGINEERING SECTION		CONSTRUCTION PLANS ONLY	
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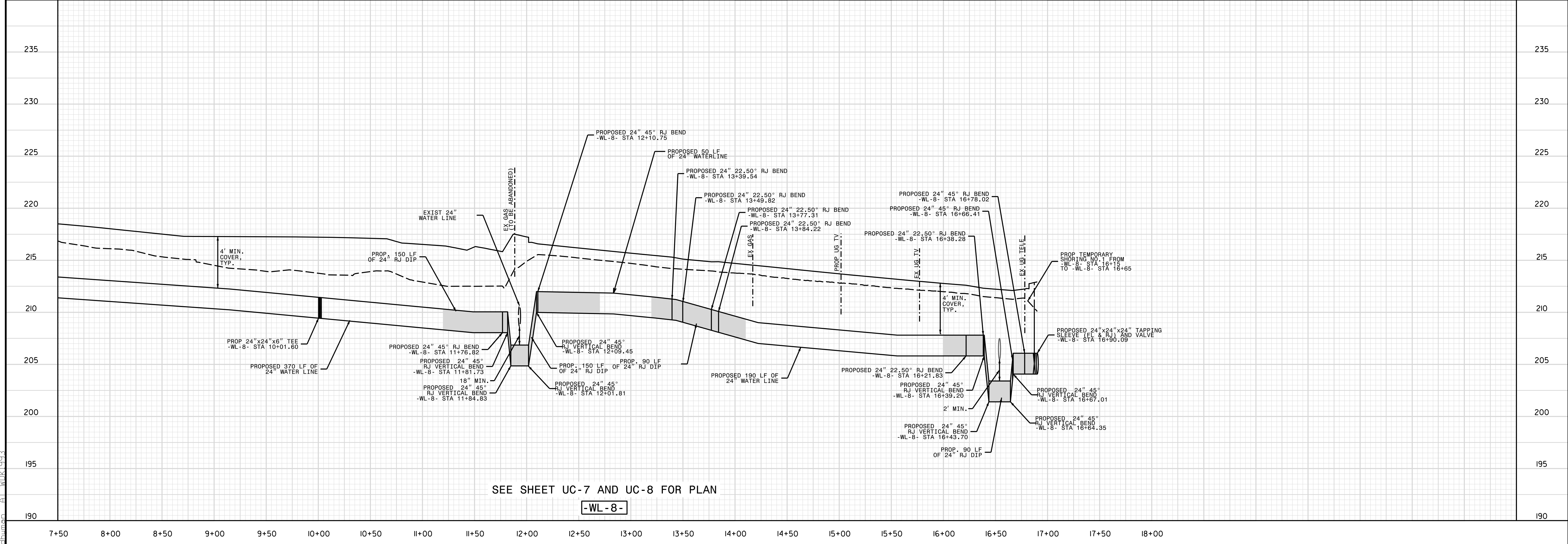
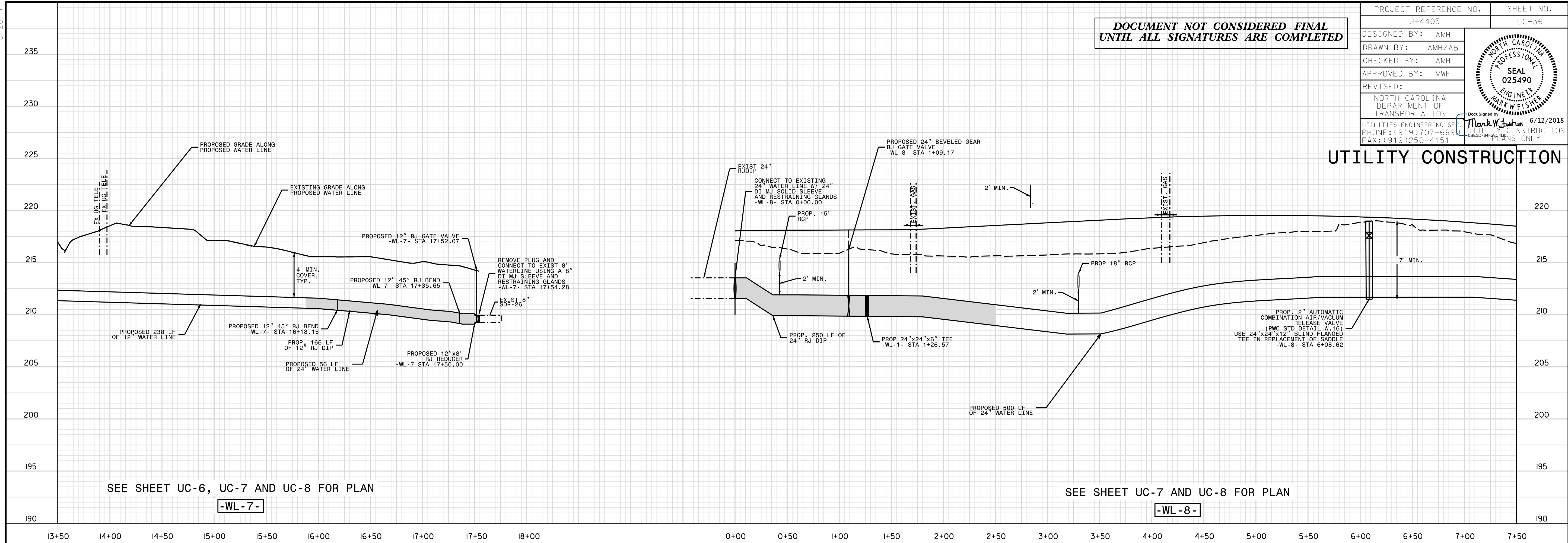


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Charlotteville Public Works Commission\2015017700RA\_Reeford Road\Engineering\UC\PLANS\Utilities\Engineering\UC\Proj\U4405.ut.pln uc36.psh.dgn

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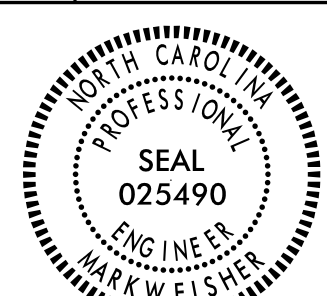
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DESIGNED BY:	AMH		
DRAWN BY:	AMH/AB		
CHECKED BY:	AMH		
APPROVED BY:	MWF		
REVISED:			
NORTH CAROLINA DEPARTMENT OF TRANSPORTATION			6/12/2018
UTILITIES ENGINEERING SECTION			UTILITY CONSTRUCTION PLANS ONLY
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FAX: (919) 250-4151			

# UTILITY CONSTRUCTION



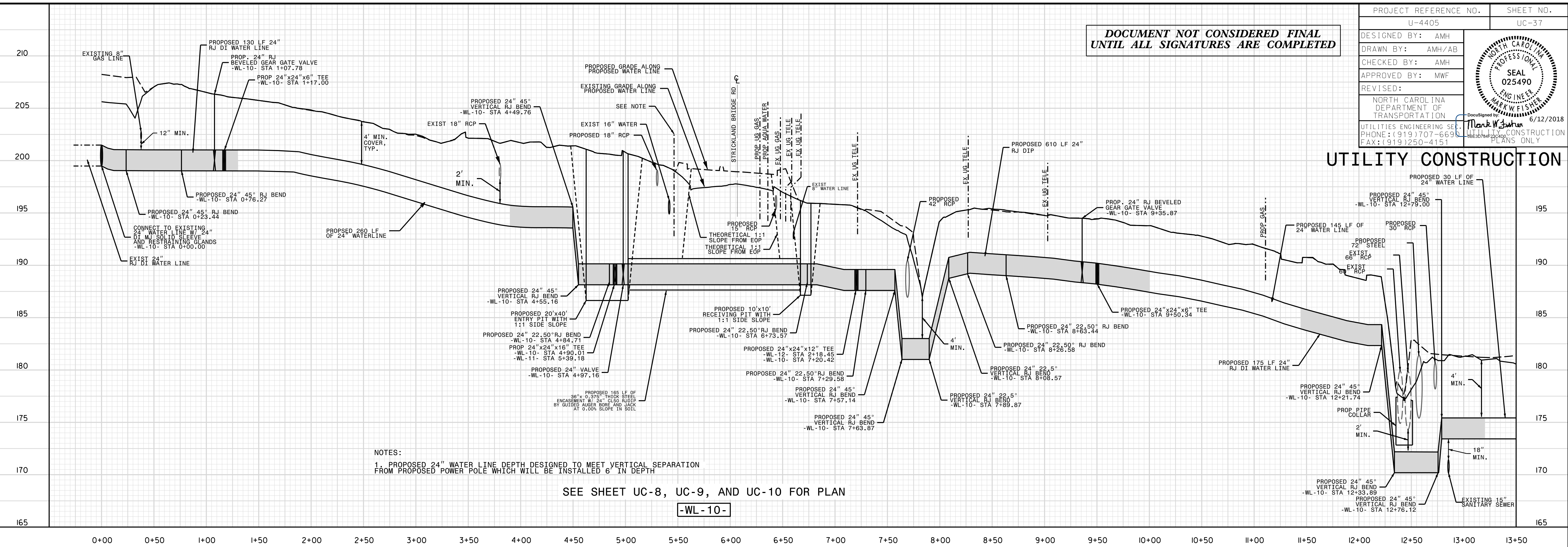


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PROJECT REFERENCE NO.	U-4405	SHEET NO.	UC-37
DESIGNED BY:	AMH		
DRAWN BY:	AMH/AB		
CHECKED BY:	AMH		
APPROVED BY:	MWF		
REVISED:			
NORTH CAROLINA DEPARTMENT OF TRANSPORTATION		UTILITIES ENGINEERING SECTION	
PHONE: (919) 707-6698		FAX: (919) 250-4151	

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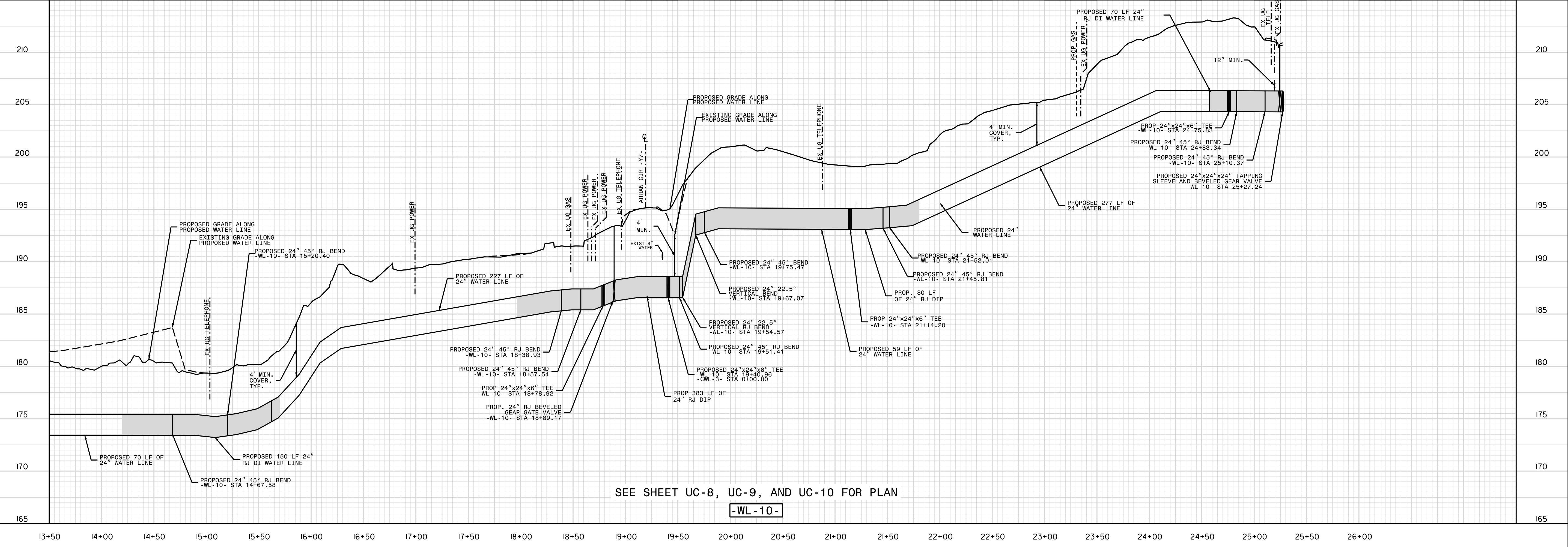
UTILITY CONSTRUCTION



NOTES:  
1. PROPOSED 24" WATER LINE DEPTH DESIGNED TO MEET VERTICAL SEPARATION FROM PROPOSED POWER POLE WHICH WILL BE INSTALLED 6' IN DEPTH

SEE SHEET UC-8, UC-9, AND UC-10 FOR PLAN

-WL-10-

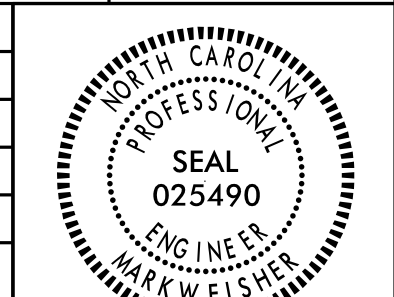


SEE SHEET UC-8, UC-9, AND UC-10 FOR PLAN

-WL-10-

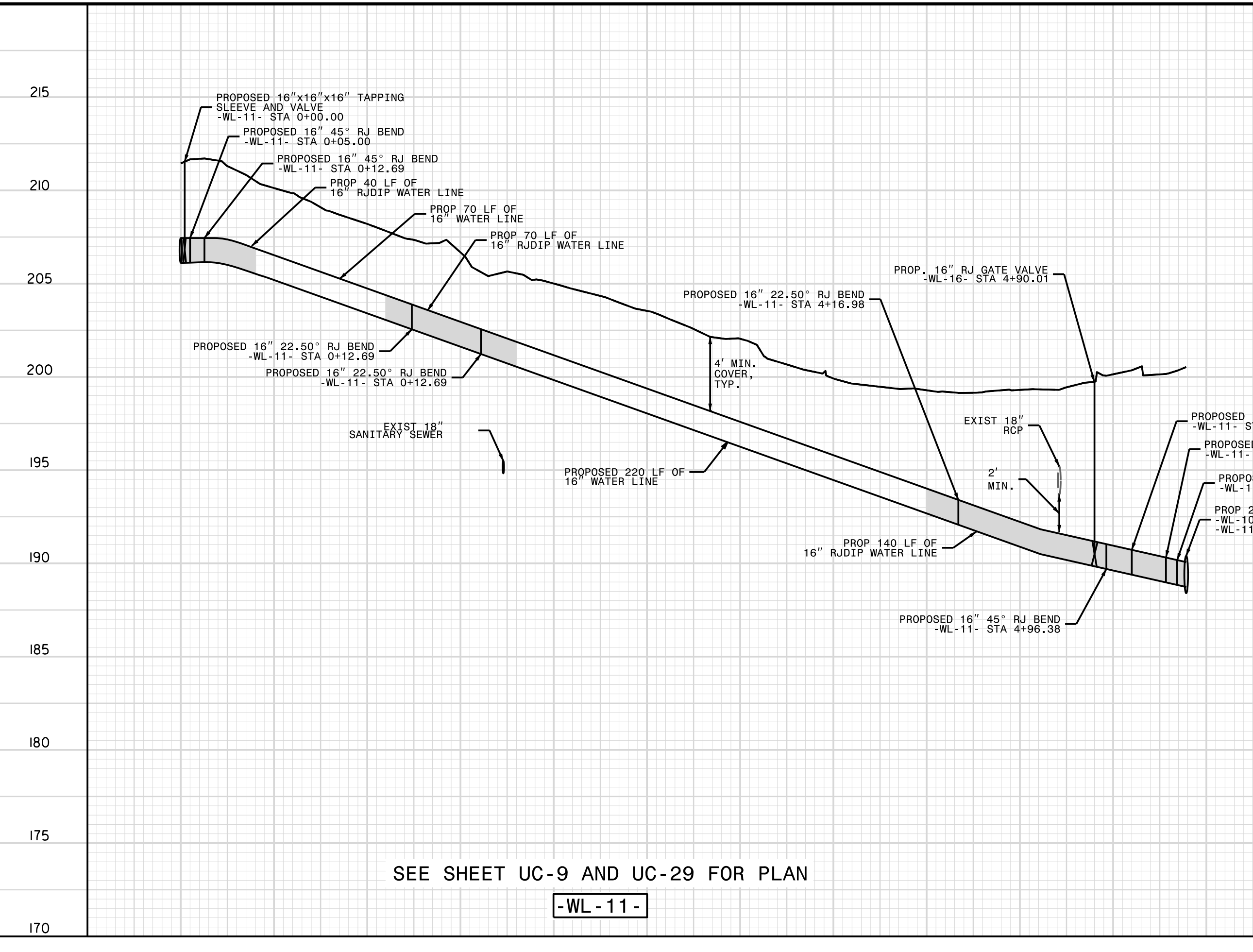


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PROJECT REFERENCE NO.	U-4405	SHEET NO.	UC-38
DESIGNED BY:	AMH		
DRAWN BY:	AMH/AB		
CHECKED BY:	AMH		
APPROVED BY:	MWF		
REVISED:			
NORTH CAROLINA DEPARTMENT OF TRANSPORTATION		6/12/2018	
UTILITIES ENGINEERING SE.		LIT-38 CONSTRUCTION PLANS ONLY	
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FAX: (919) 250-4151			

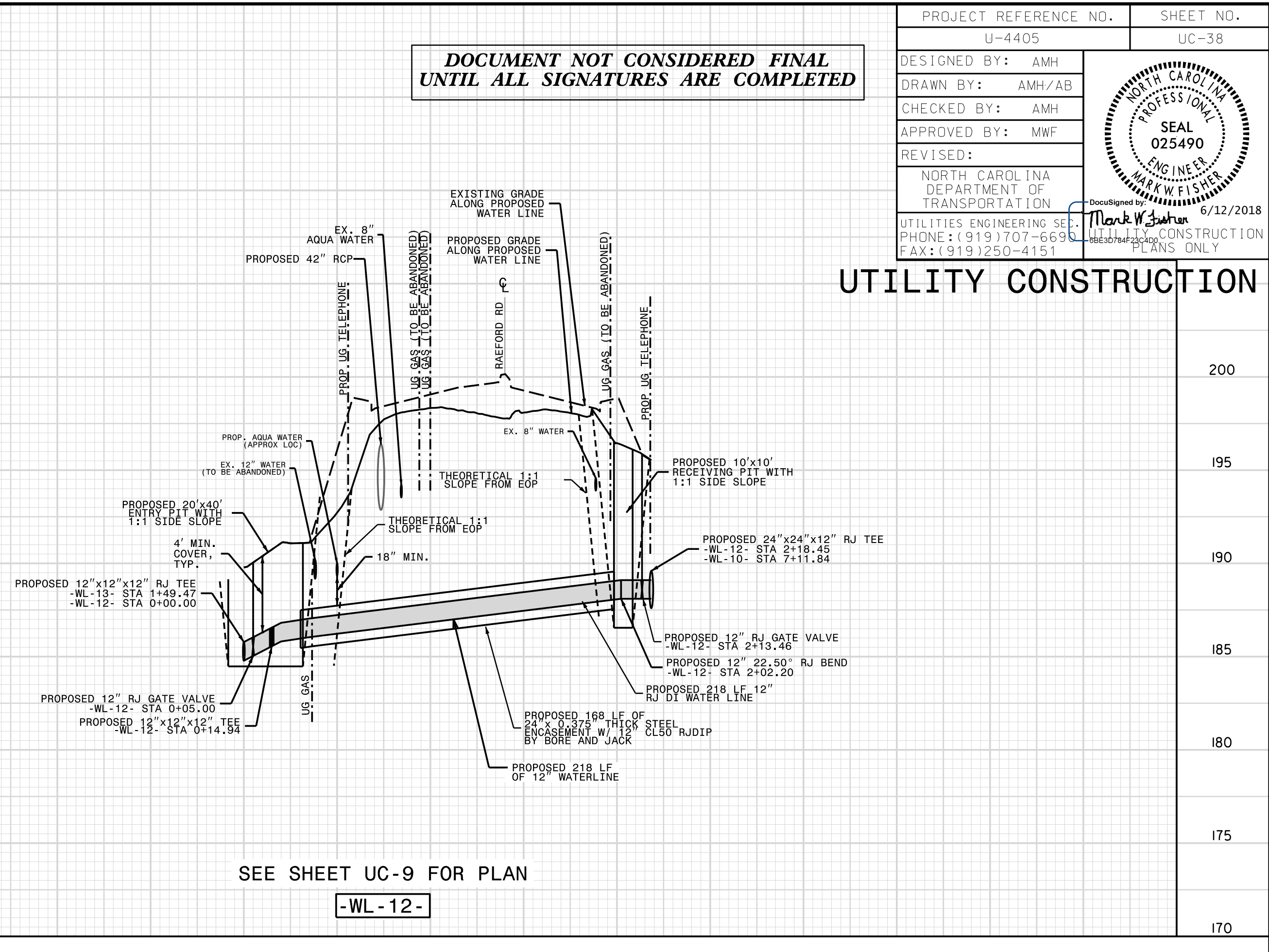
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### UTILITY CONSTRUCTION



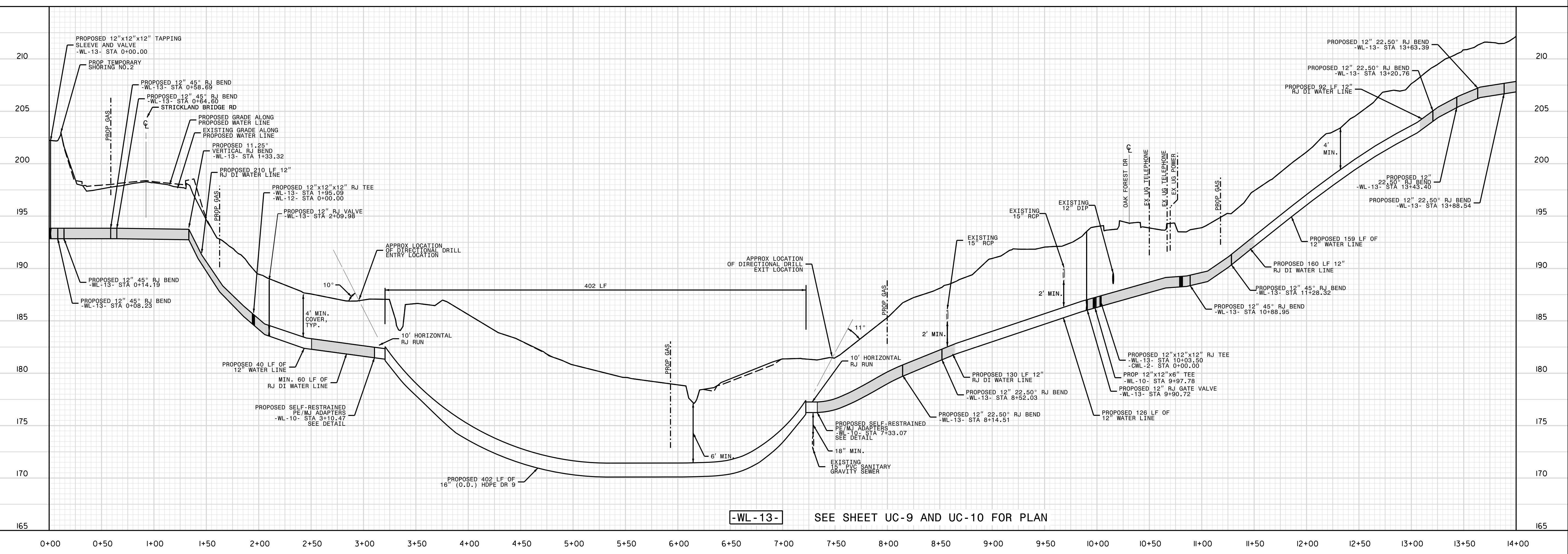
SEE SHEET UC-9 AND UC-29 FOR PLAN

**-WL-11-**



SEE SHEET UC-9 FOR PLAN

**-WL-12-**



SEE SHEET UC-9 AND UC-10 FOR PLAN

**-WL-13-**



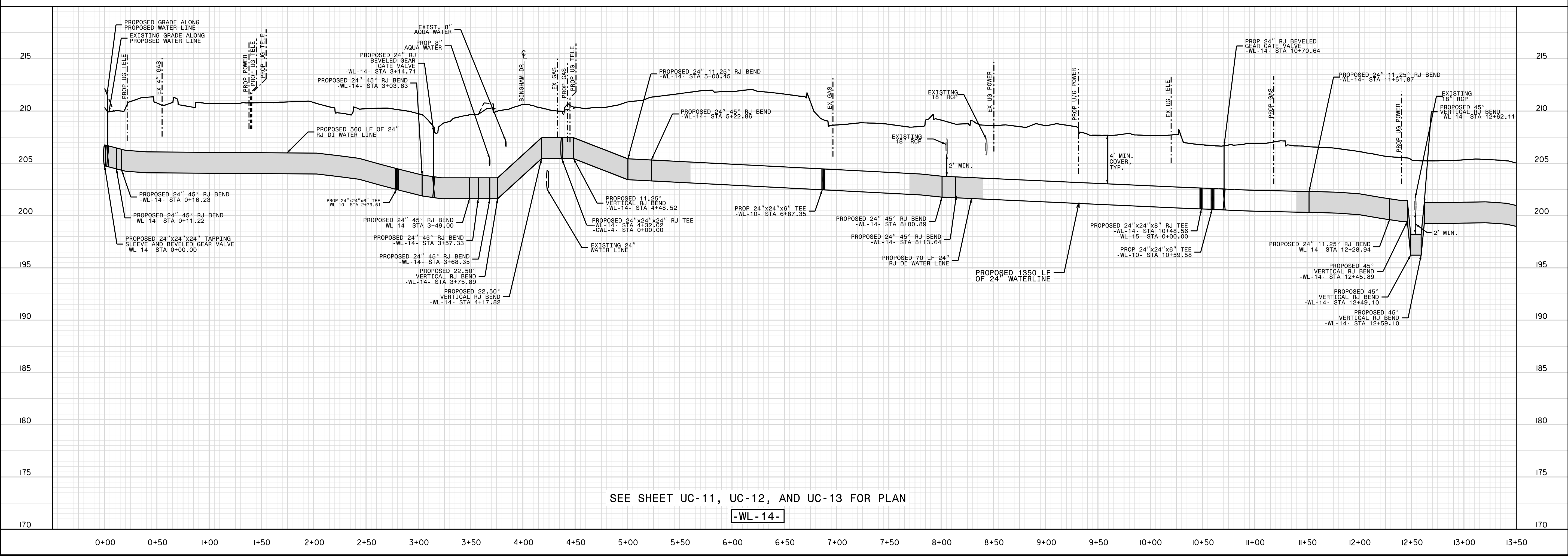
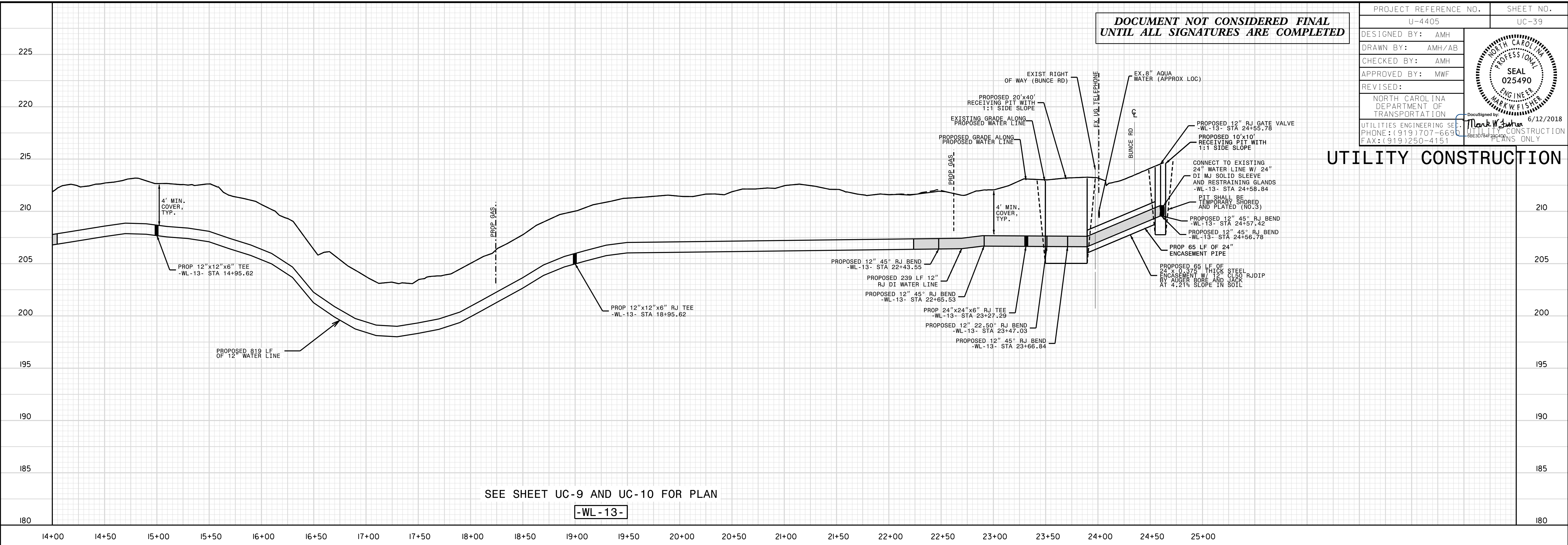
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PROJECT REFERENCE NO.	U-4405	SHEET NO.	UC-39
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APPROVED BY:	MWF		
REVISED:		DocuSigned by: Mark W. Fisher 6/12/2018	
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### UTILITY CONSTRUCTION



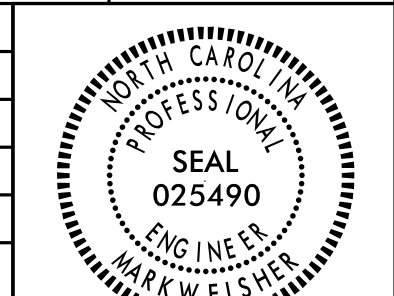


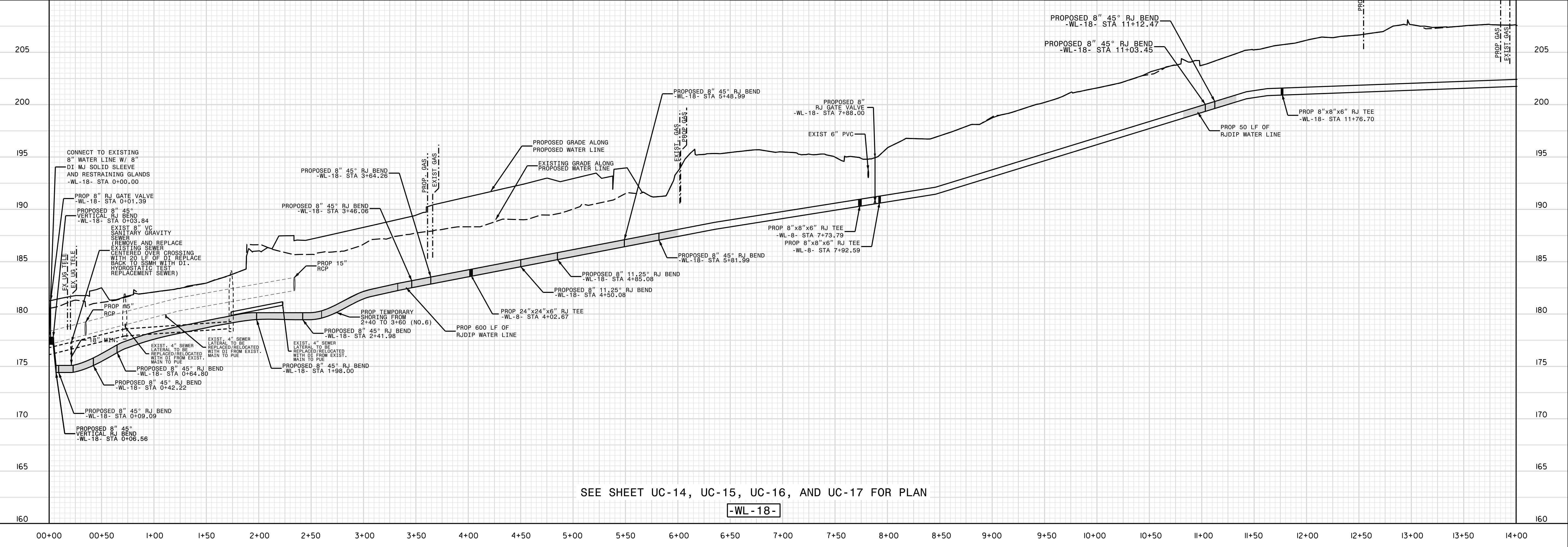
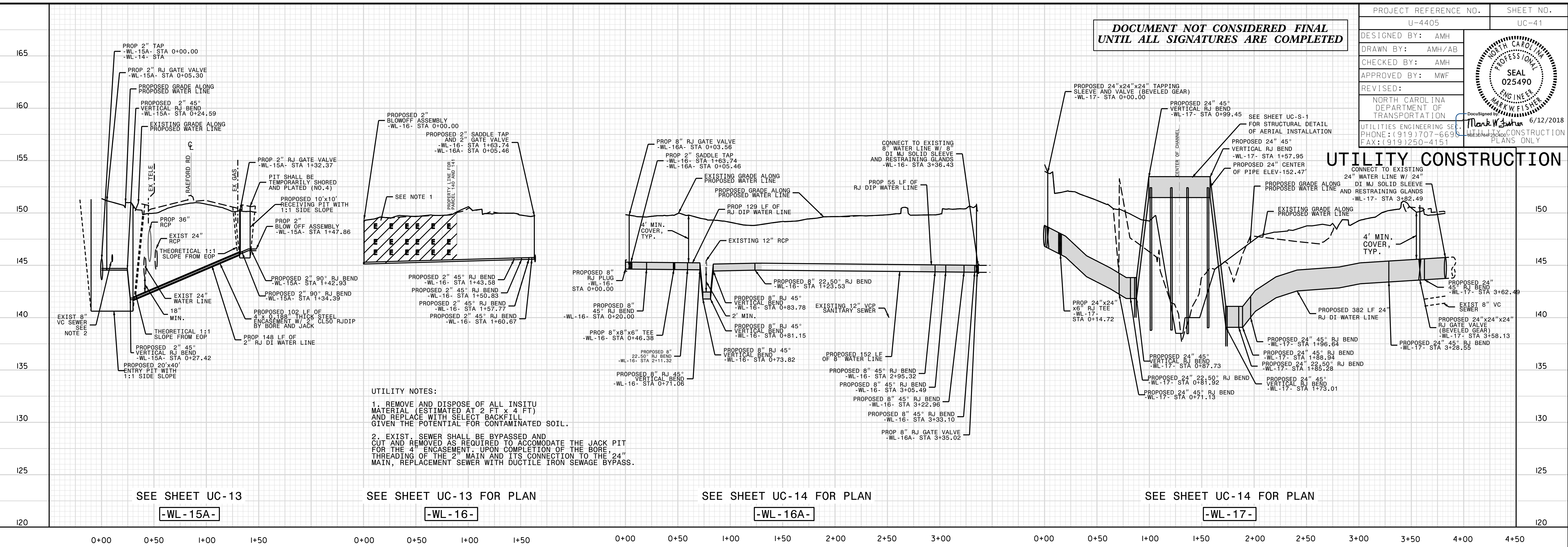




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PROJECT REFERENCE NO.	U-4405	SHEET NO.	UC-41
DESIGNED BY:	AMH		
DRAWN BY:	AMH/AB		
CHECKED BY:	AMH		
APPROVED BY:	MWF		
REVISED:			
NORTH CAROLINA DEPARTMENT OF TRANSPORTATION		6/12/2018	
UTILITIES ENGINEERING SECT.		CONSTRUCTION PLANS ONLY	
PHONE: (919) 707-6698			
FAX: (919) 250-4151			



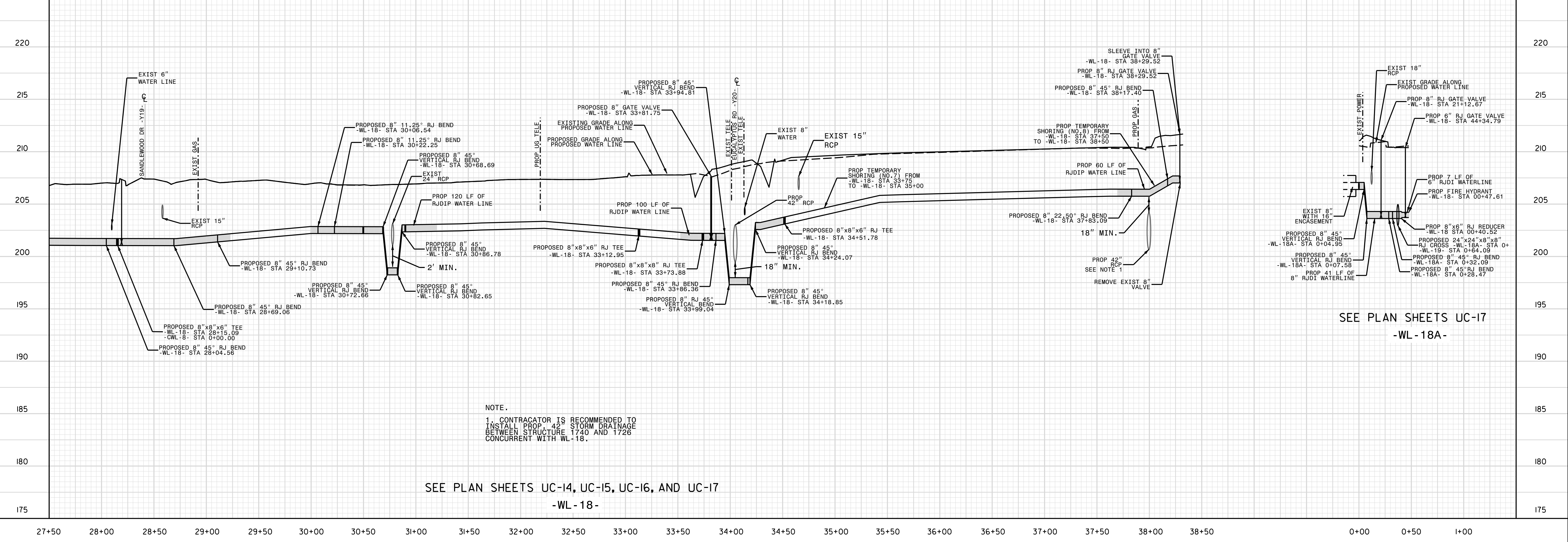
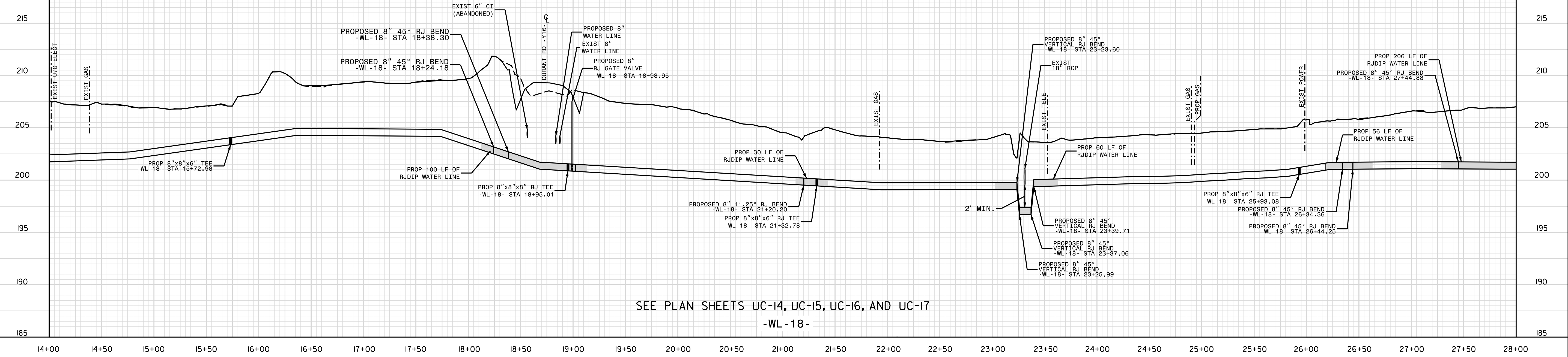


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PROJECT REFERENCE NO.	U-4405	SHEET NO.	UC-42
DESIGNED BY:	AMH		
DRAWN BY:	AMH/AB		
CHECKED BY:	AMH		
APPROVED BY:	MWF		
REVISED:			
NORTH CAROLINA DEPARTMENT OF TRANSPORTATION UTILITIES ENGINEERING SECTION PHONE: (919) 707-6690 FAX: (919) 250-4151		6/12/2018 MWF UTILITY CONSTRUCTION PLANS ONLY	

**DOCUMENT NOT CONSIDERED FINAL  
UNTIL ALL SIGNATURES ARE COMPLETED**

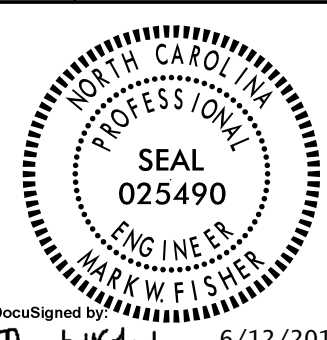
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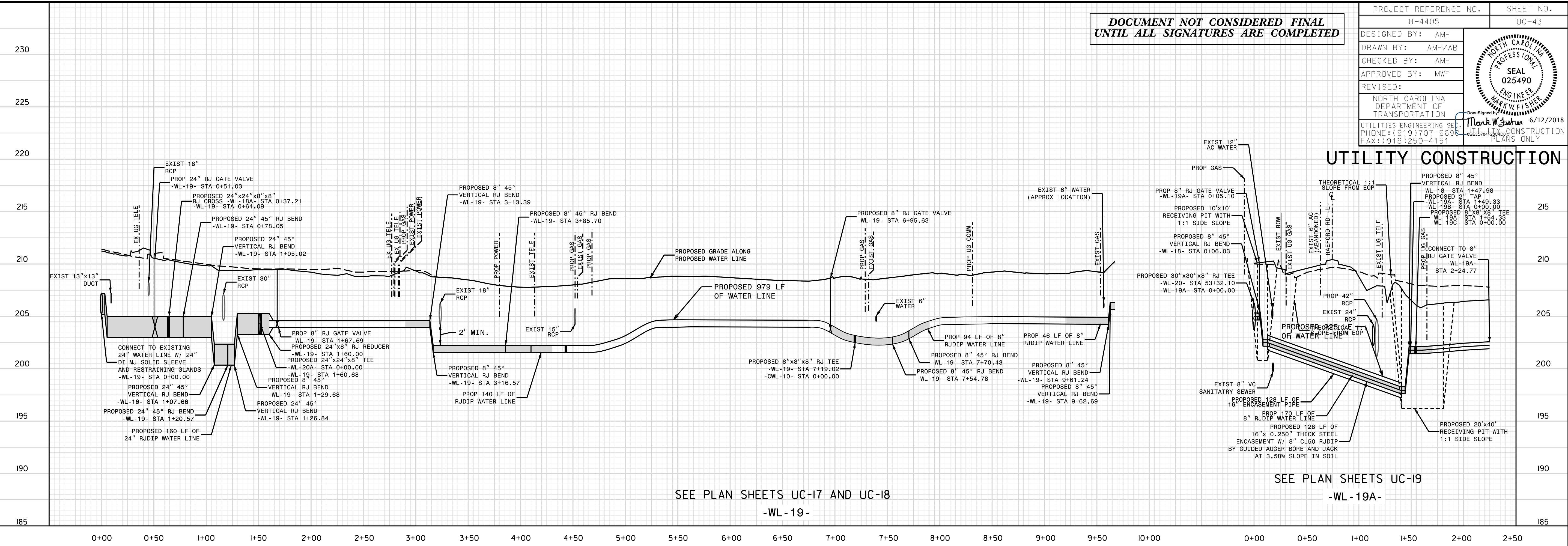




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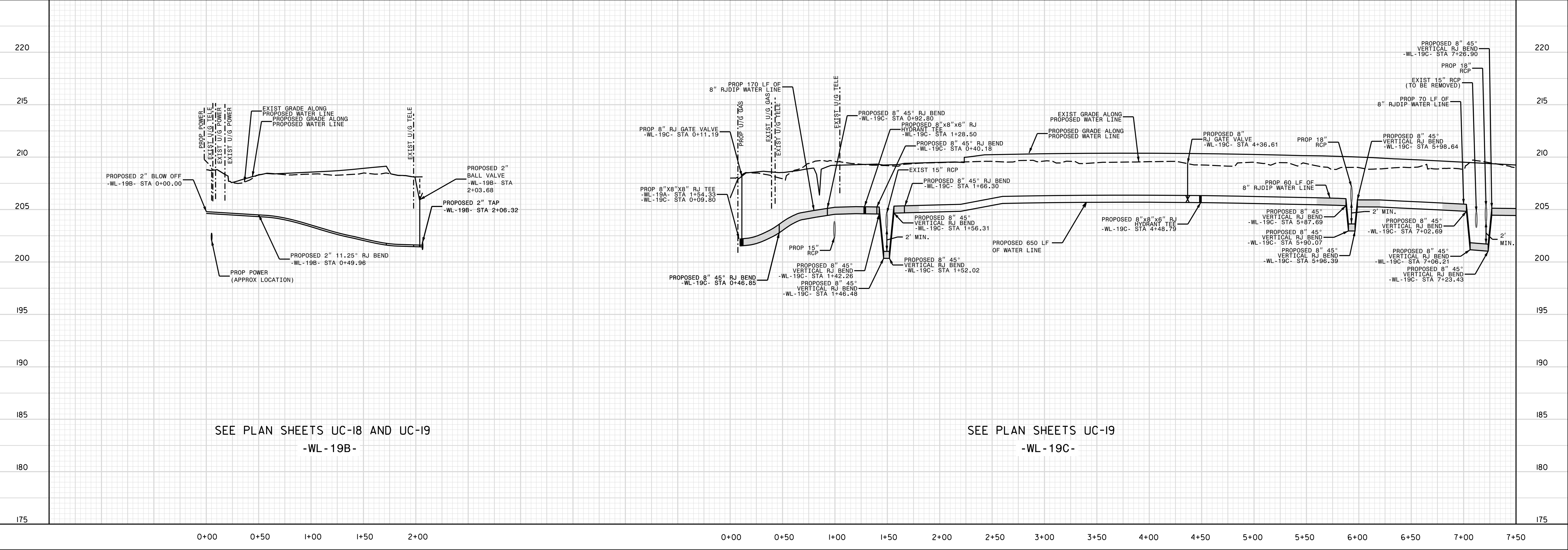
DOCUMENT NOT CONSIDERED FINAL  
UNTIL ALL SIGNATURES ARE COMPLETED

PROJECT REFERENCE NO.	U-4405	SHEET NO.	UC-43
DESIGNED BY:	AMH		
DRAWN BY:	AMH/AB		
CHECKED BY:	AMH		
APPROVED BY:	MWF		
REVISED:			
NORTH CAROLINA DEPARTMENT OF TRANSPORTATION		6/12/2018	
UTILITIES ENGINEERING SE.		CONSTRUCTION PLANS ONLY	
PHONE: (919) 707-6698		FAX: (919) 250-4151	



SEE PLAN SHEETS UC-17 AND UC-18  
-WL-19-

SEE PLAN SHEETS UC-19  
-WL-19A-



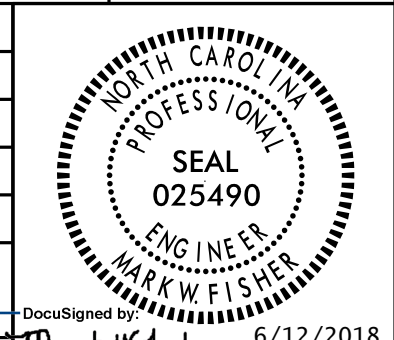
SEE PLAN SHEETS UC-18 AND UC-19  
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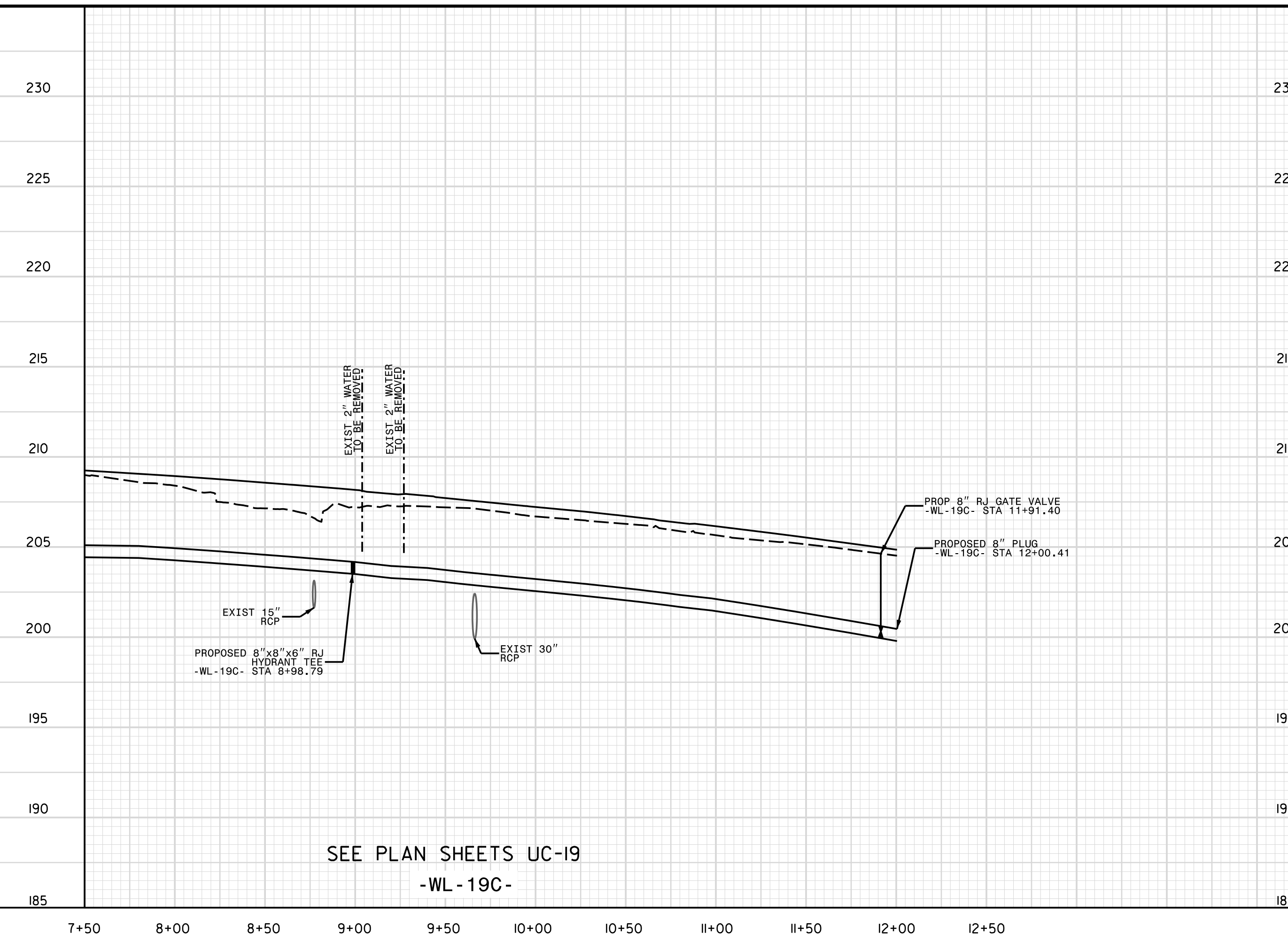
SEE PLAN SHEETS UC-19  
-WL-19C-



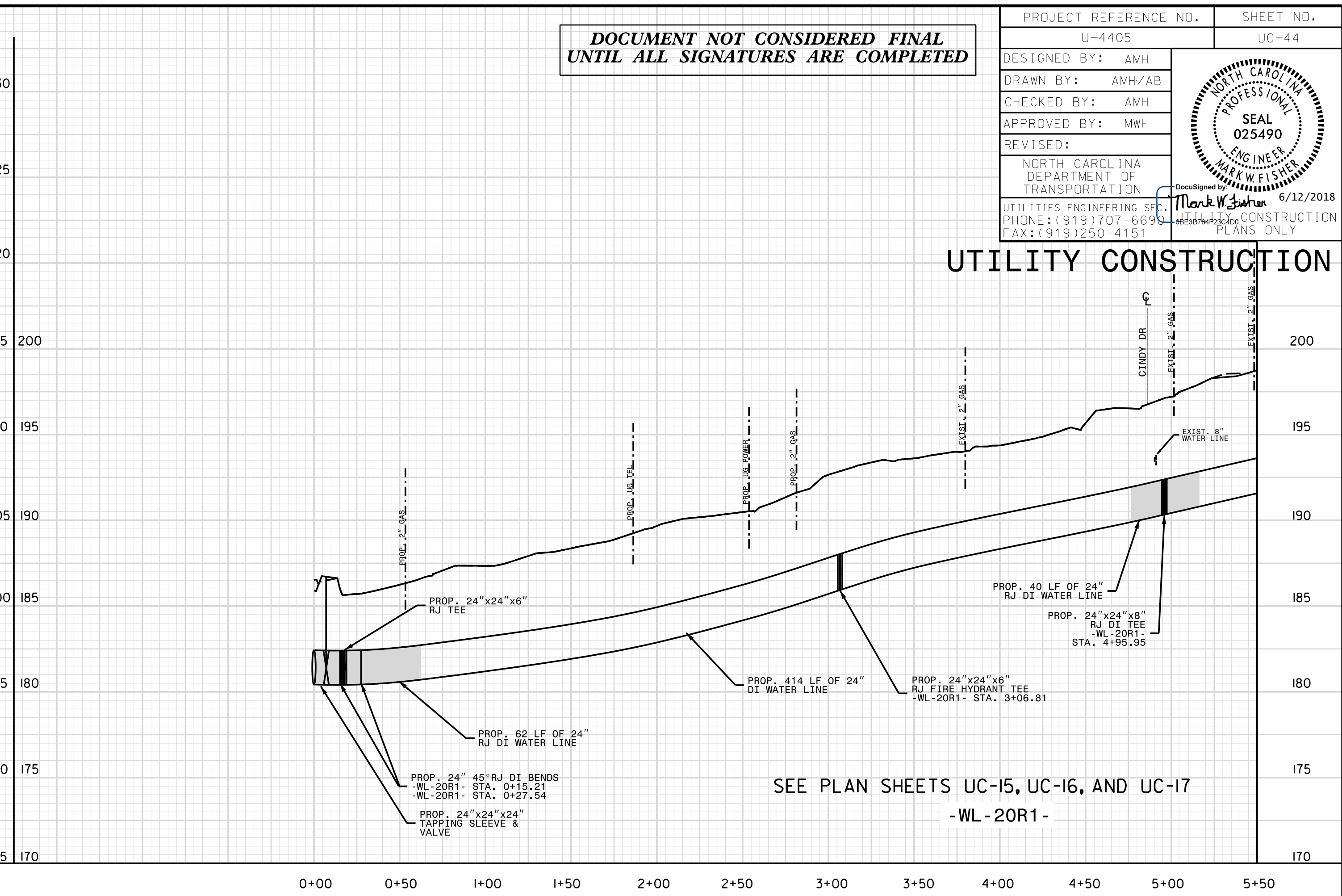
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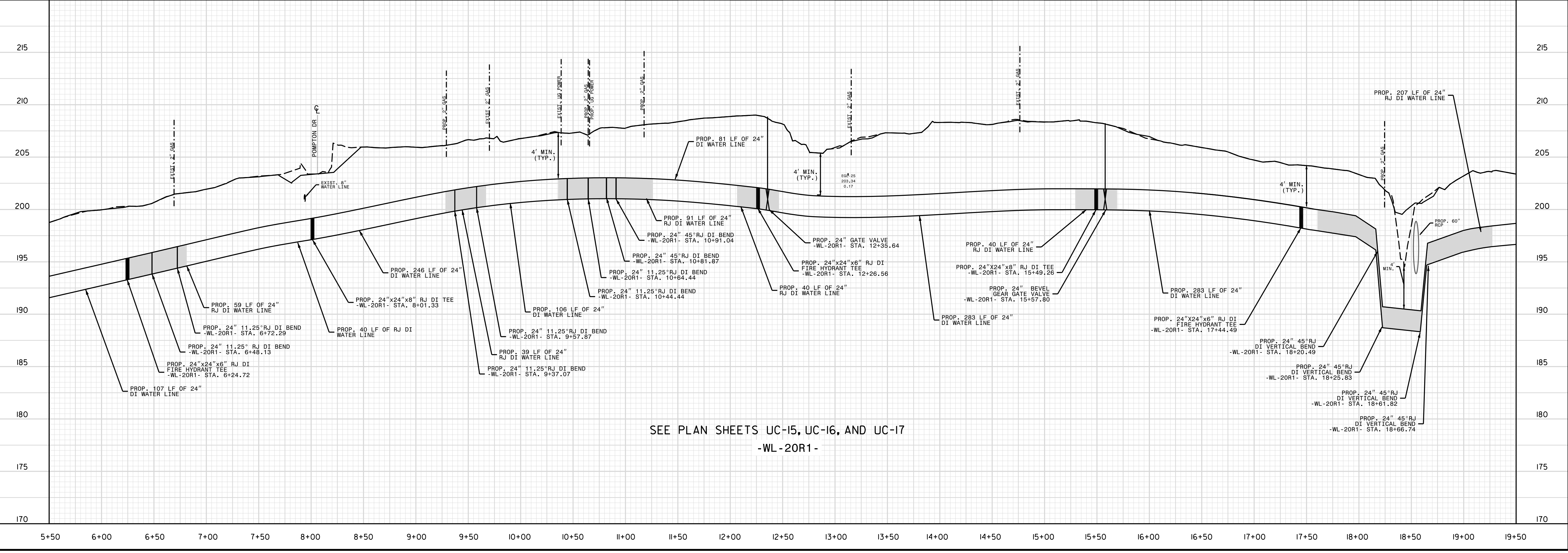
PROJECT REFERENCE NO.	U-4405	SHEET NO.	UC-44
DESIGNED BY:	AMH		
DRAWN BY:	AMH/AB		
CHECKED BY:	AMH		
APPROVED BY:	MWF		
REVISED:			
NORTH CAROLINA DEPARTMENT OF TRANSPORTATION		6/12/2018	
UTILITIES ENGINEERING SECTION		CONSTRUCTION PLANS ONLY	
PHONE: (919) 707-6699			
FAX: (919) 250-4151			



SEE PLAN SHEETS UC-19  
-WL-19C-



SEE PLAN SHEETS UC-15, UC-16, AND UC-17  
-WL-20R1-




SEE PLAN SHEETS UC-15, UC-16, AND UC-17  
-WL-20R1-

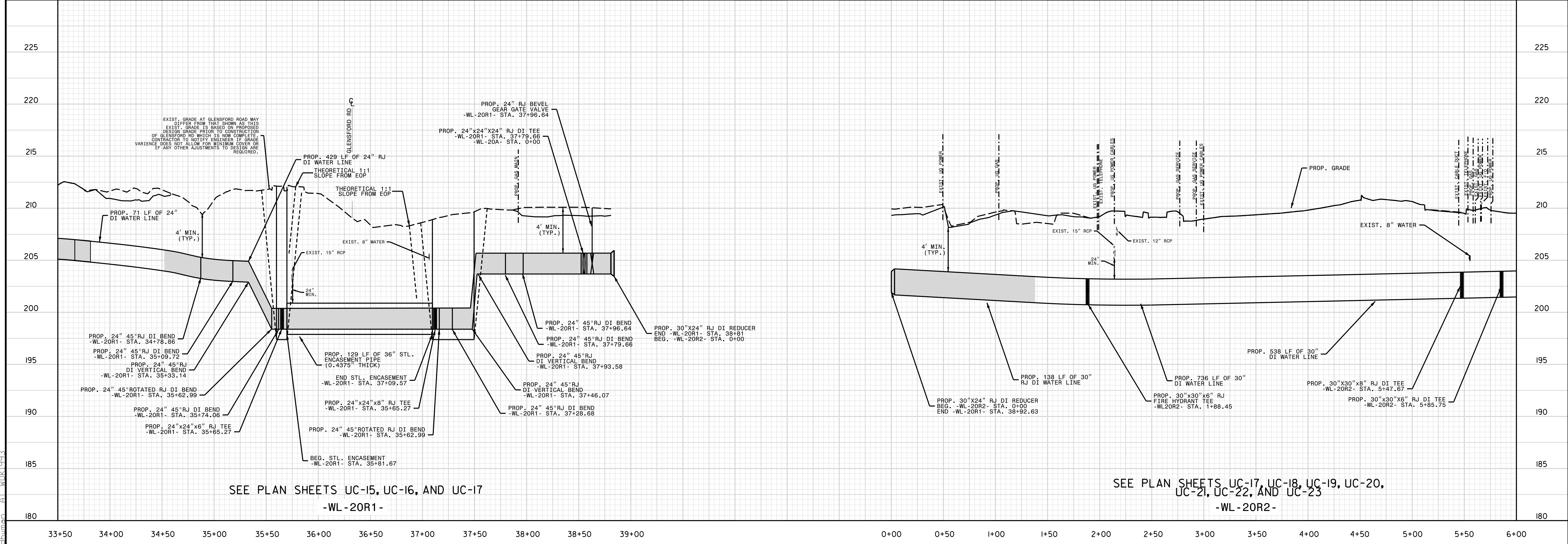
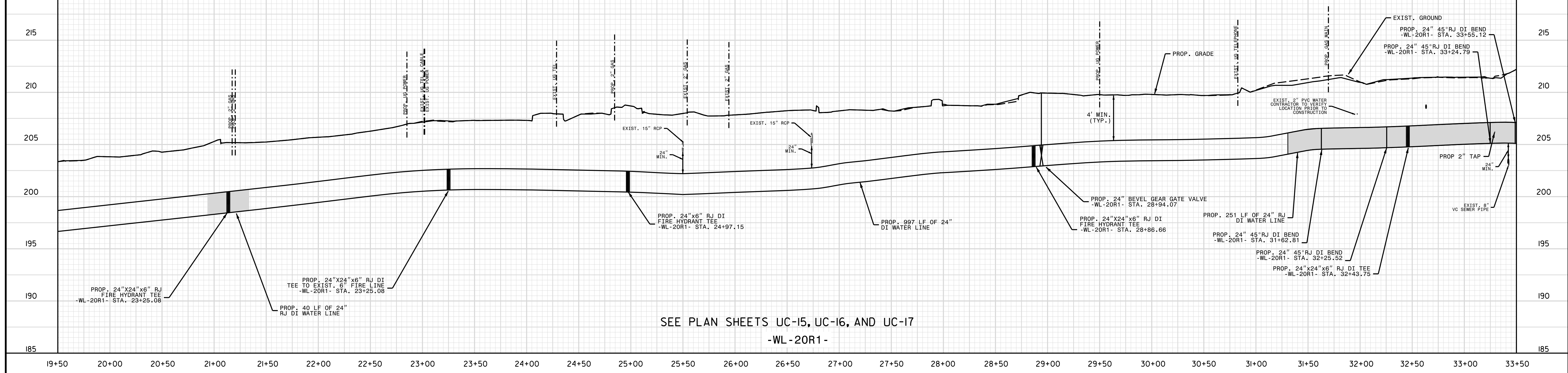


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UNTIL ALL SIGNATURES ARE COMPLETED

PROJECT REFERENCE NO.	U-4405	SHEET NO.	UC-45
DESIGNED BY:	AMH		
DRAWN BY:	AMH/AB		
CHECKED BY:	AMH		
APPROVED BY:	MWF		
REVISED:			
NORTH CAROLINA DEPARTMENT OF TRANSPORTATION			6/12/2018
UTILITIES ENGINEERING SECT.			CONSTRUCTION PLANS ONLY
PHONE: (919) 707-6696			
FAX: (919) 250-4151			

### UTILITY CONSTRUCTION

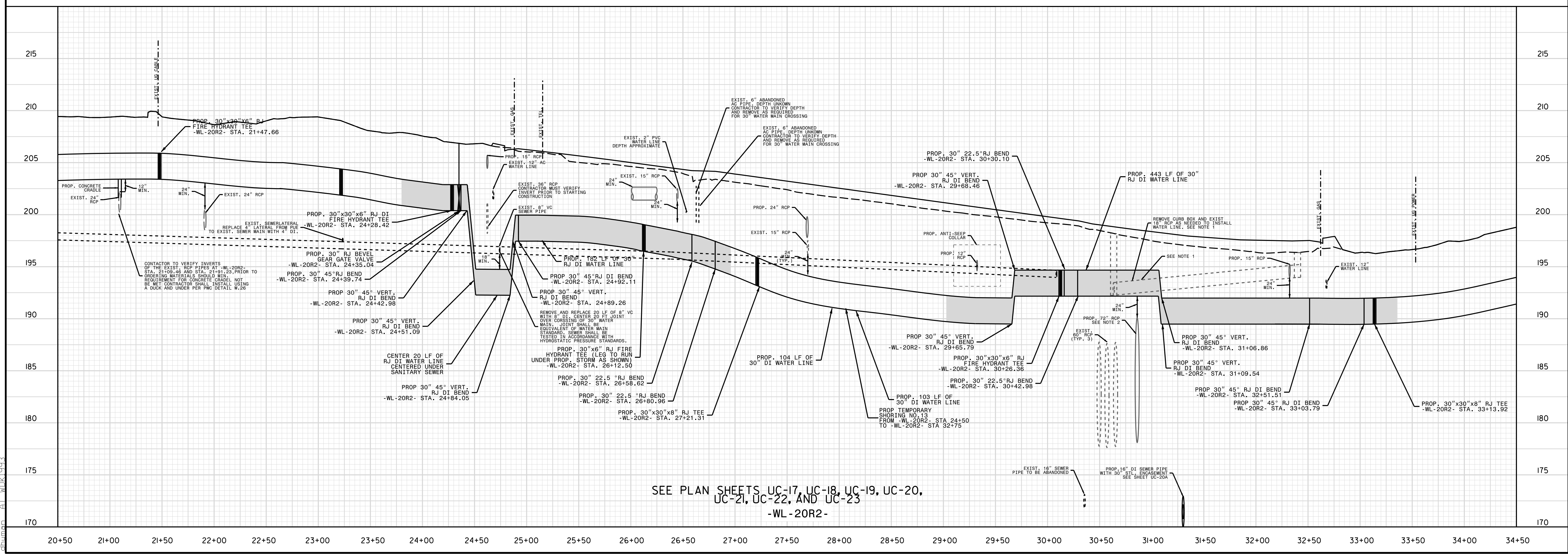
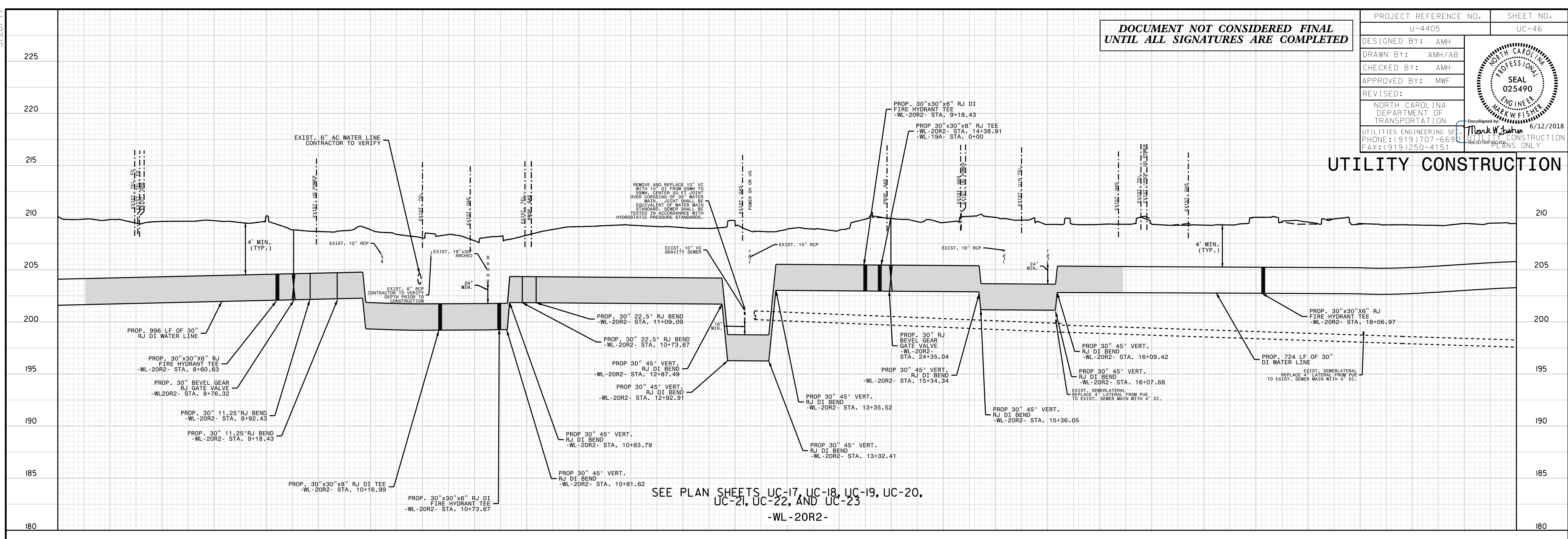




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Charlotteville Public Works Commission\201501700RA Reelford Road NCDOT U 4405\CADD\NCDOT PLANS\Utilities\Engineering\UC\Proj\U4405.ut.pf\uc46.psh.vdgn

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PROJECT REFERENCE NO.	U-4405	SHEET NO.	UC-46
DESIGNED BY:	AMH		
DRAWN BY:	AMH/AB		
CHECKED BY:	AMH		
APPROVED BY:	MWF		
REVISED:		NORTH CAROLINA DEPARTMENT OF TRANSPORTATION	
UTILITIES ENGINEERING SE. PHONE: (919) 707-6690 FAX: (919) 250-4151		CONSTRUCTION PLANS ONLY	



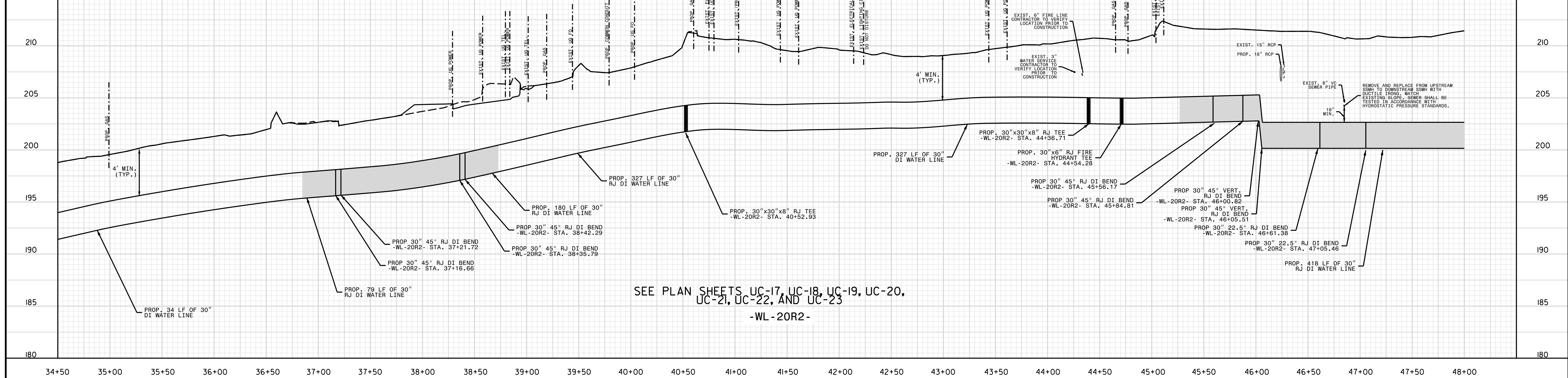


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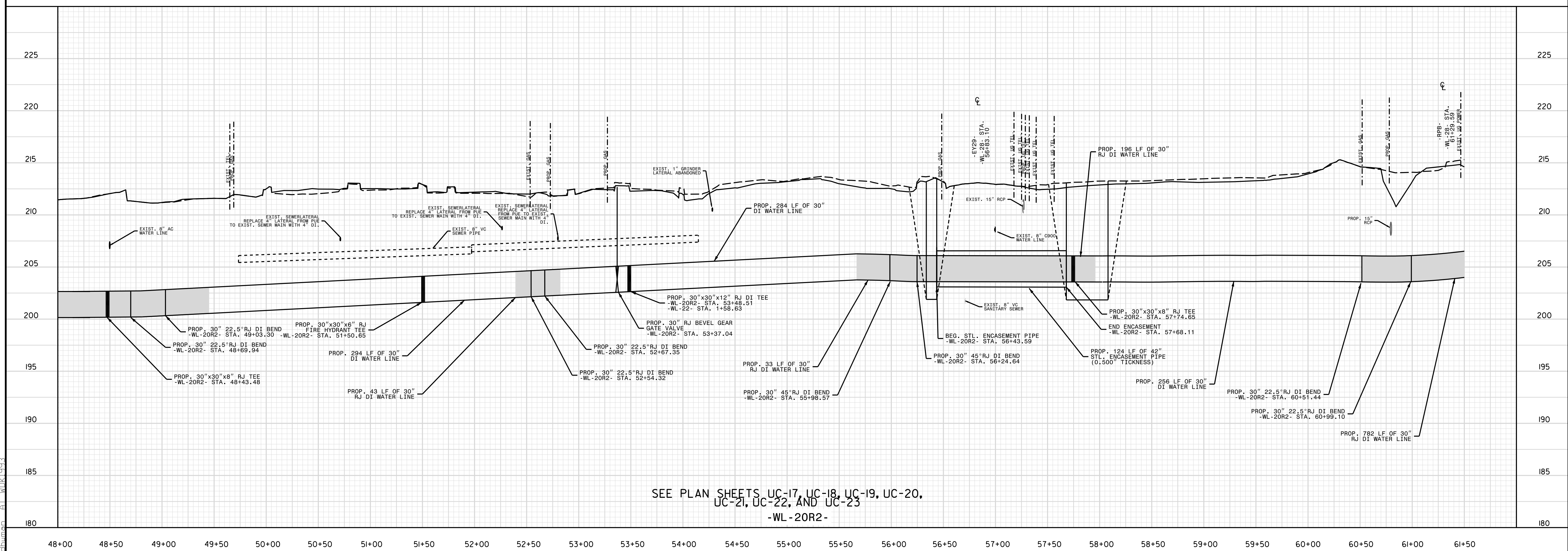
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UNTIL ALL SIGNATURES ARE COMPLETED

PROJECT REFERENCE NO.	U-4405	SHEET NO.	UC-47
DESIGNED BY:	AMH		12/2018
DRAWN BY:	AMH/AB		
CHECKED BY:	AMH		
APPROVED BY:	MWF		
REVISED BY:			
NORTH CAROLINA DEPARTMENT OF TRANSPORTATION			
UTILITIES ENGINEERING SECTION PHONE: (919) 707-6690 FAX: (919) 250-4151			

# UTILITY CONSTRUCTION



SEE PLAN SHEETS UC-17, UC-18, UC-19, UC-20,  
UC-21, UC-22, AND UC-23  
-WL-20R2-



SEE PLAN SHEETS UC-17, UC-18, UC-19, UC-20,  
UC-21, UC-22, AND UC-23  
-WL-20R2-











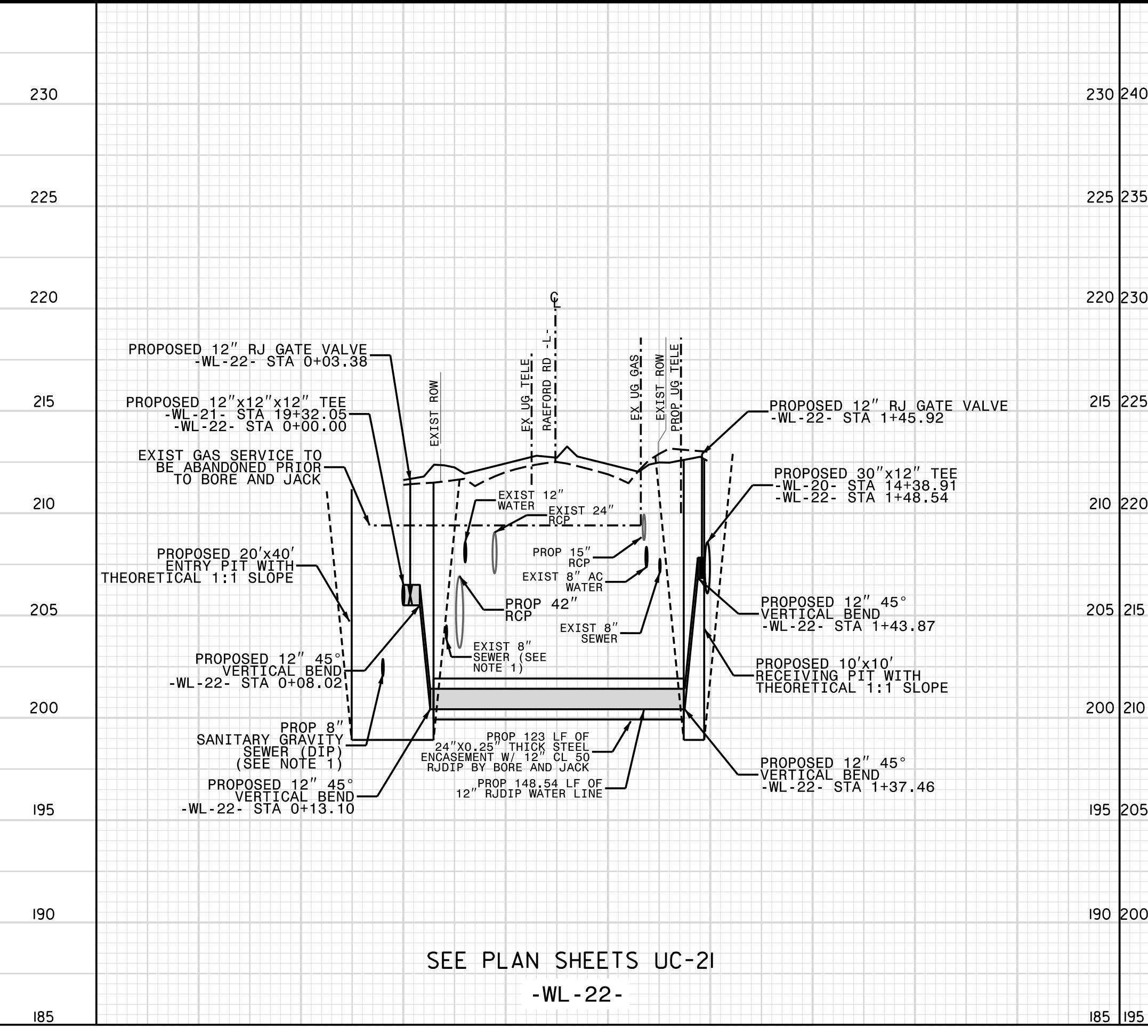
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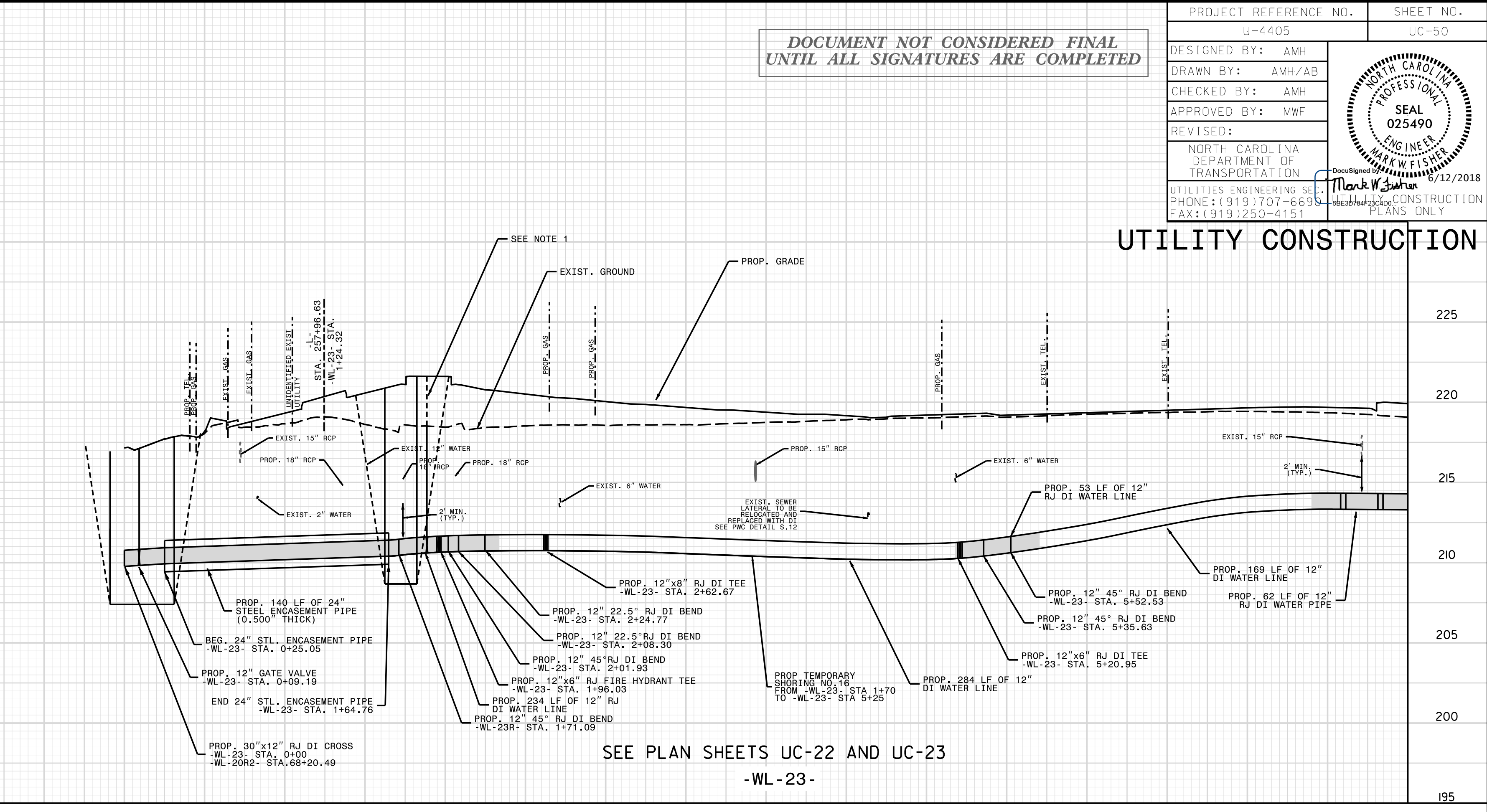
DOCUMENT NOT CONSIDERED FINAL  
UNTIL ALL SIGNATURES ARE COMPLETED

PROJECT REFERENCE NO.	U-4405	SHEET NO.	UC-50
DESIGNED BY:	AMH		
DRAWN BY:	AMH/AB		
CHECKED BY:	AMH		
APPROVED BY:	MWF		
REVISED:		NORTH CAROLINA DEPARTMENT OF TRANSPORTATION UTILITIES ENGINEERING SECTION PHONE: (919) 707-6696 FAX: (919) 250-4151	

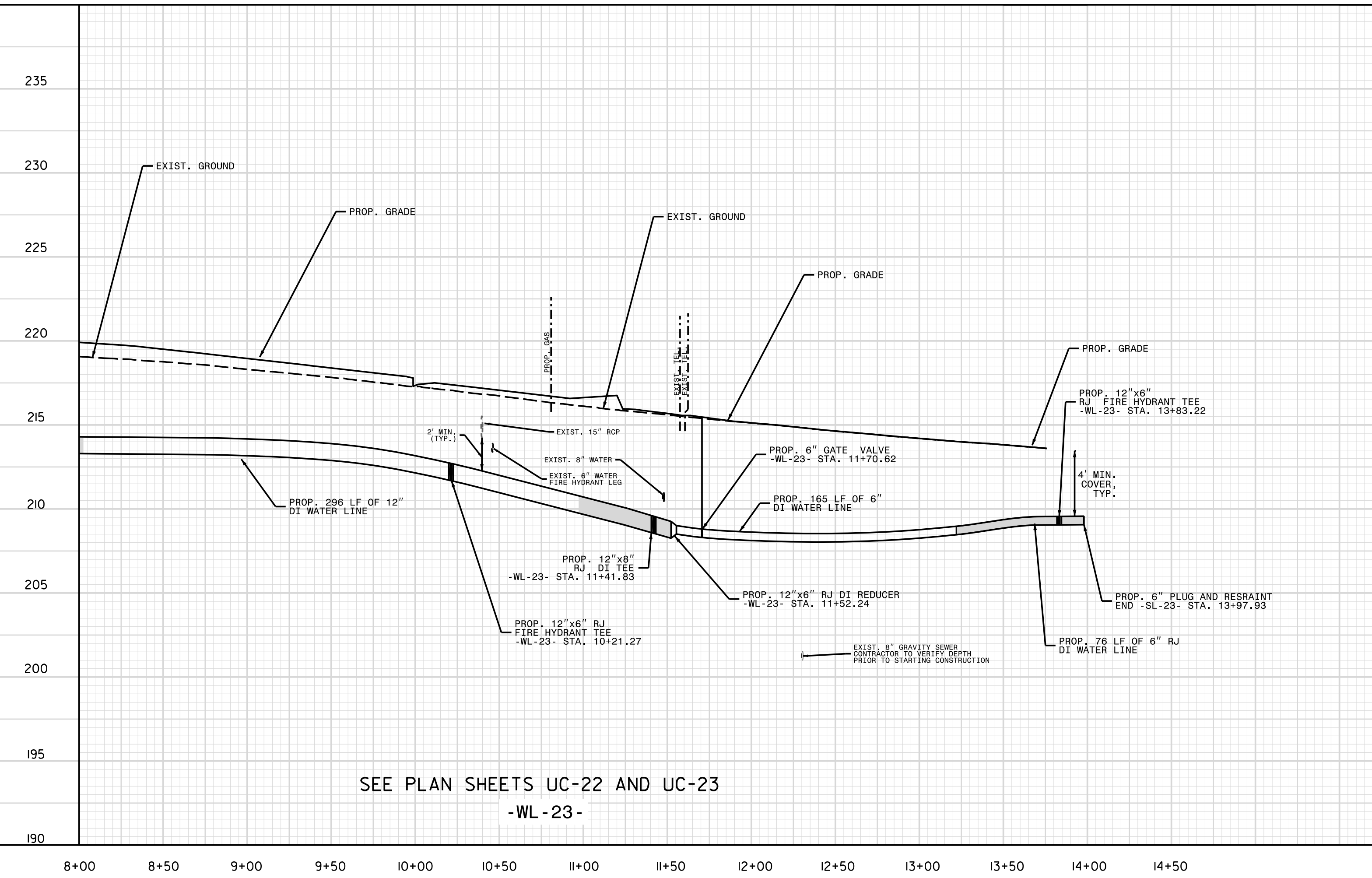
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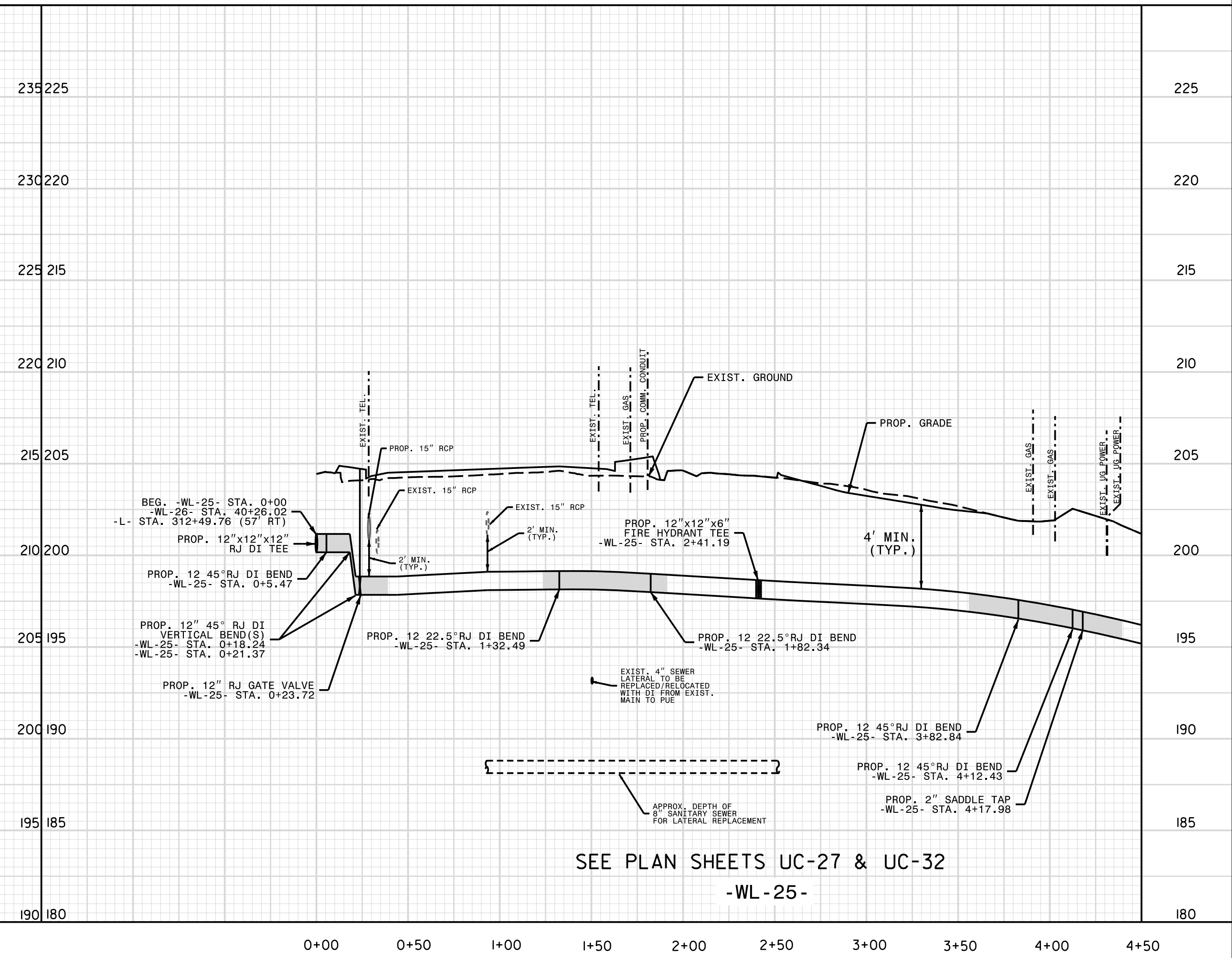
SEE PLAN SHEETS UC-21  
-WL-22-



SEE PLAN SHEETS UC-22 AND UC-23  
-WL-23-



SEE PLAN SHEETS UC-22 AND UC-23  
-WL-23-




SEE PLAN SHEETS UC-27 & UC-32  
-WL-25-

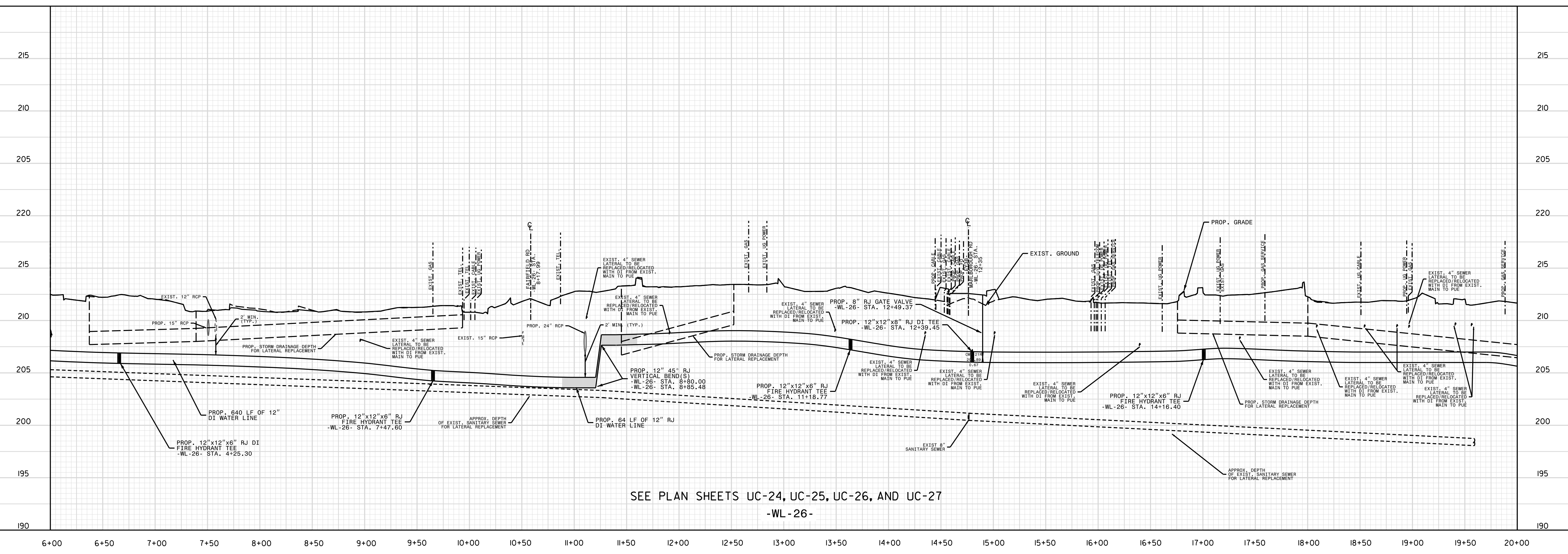
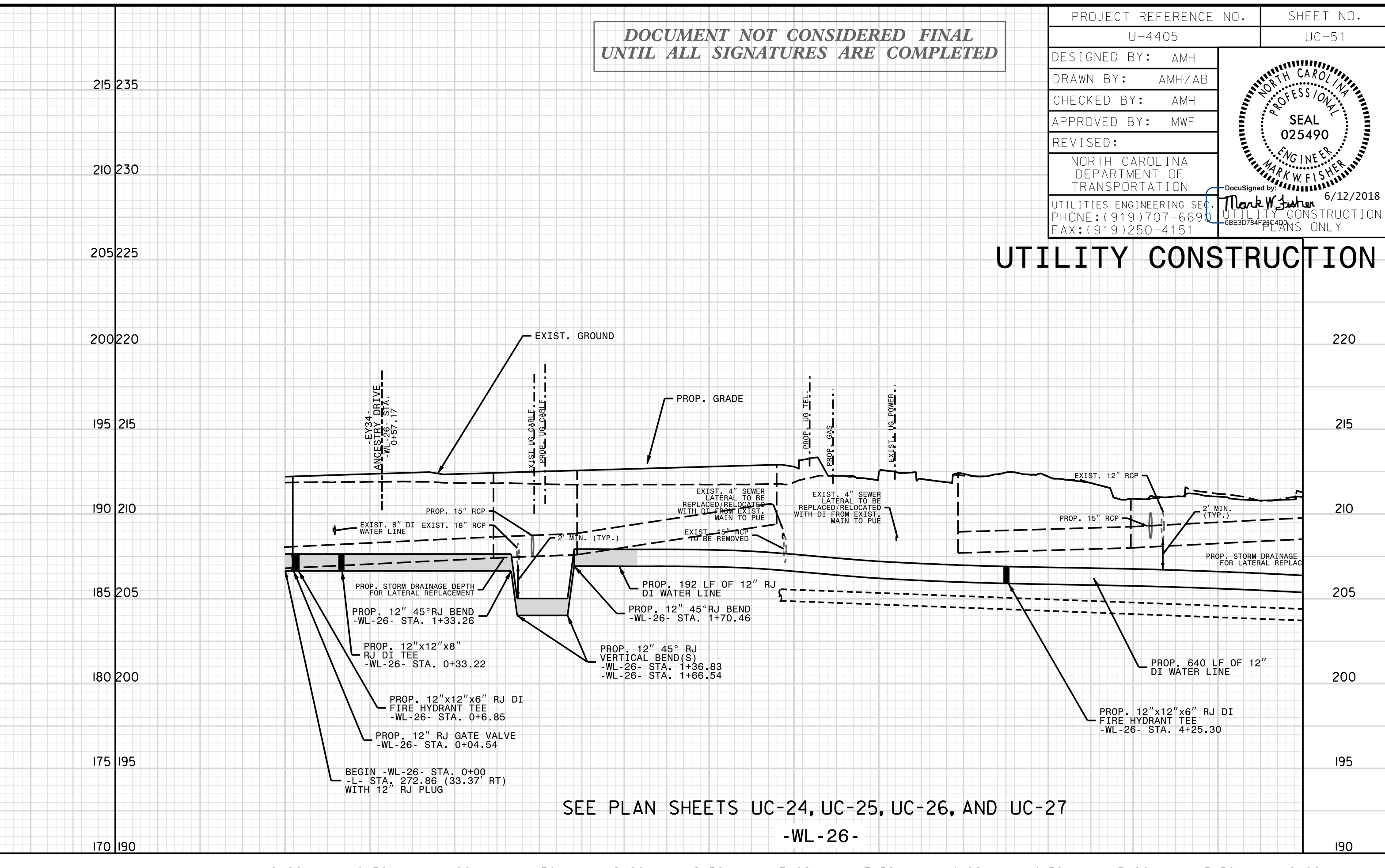
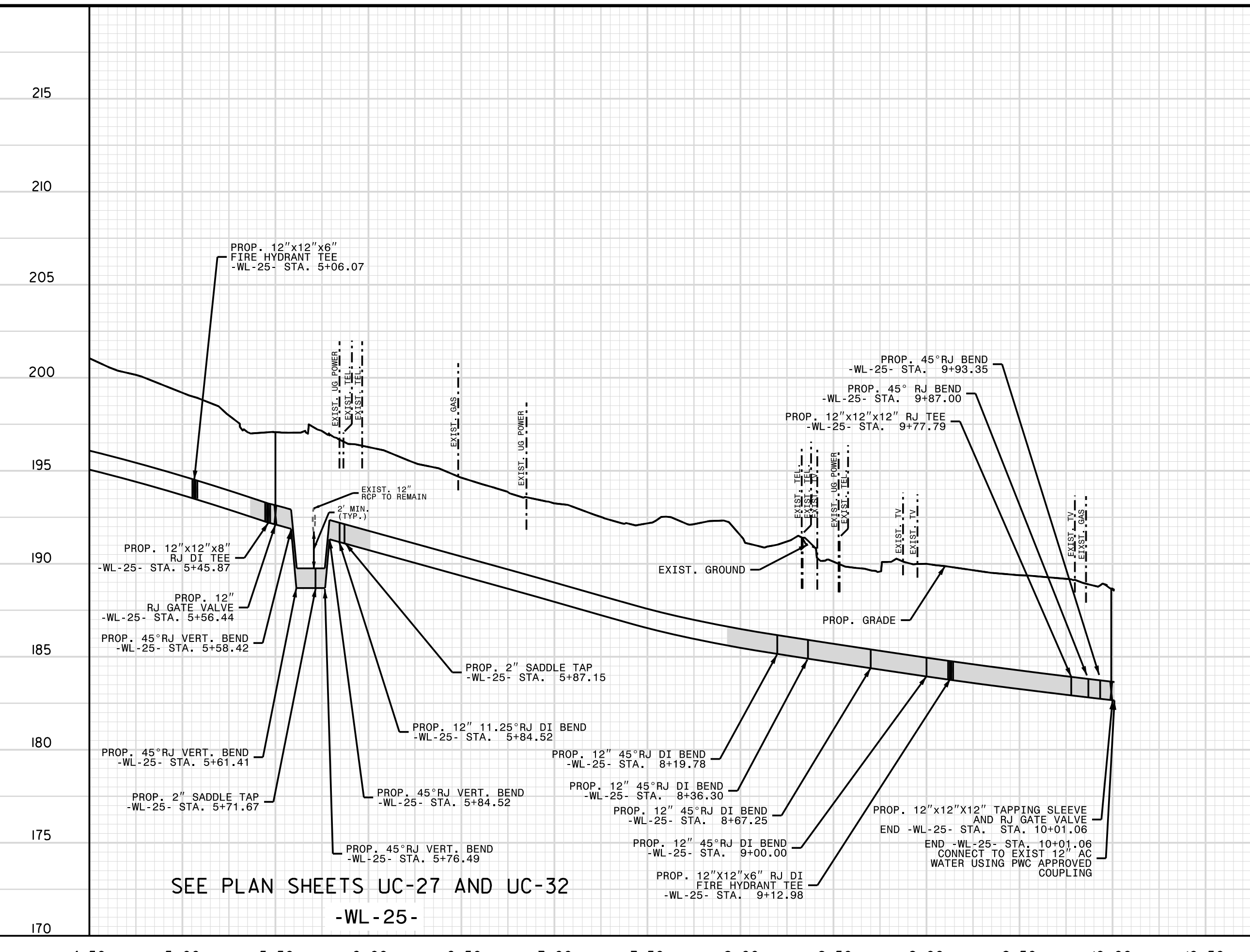


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5/28/2018 4:32  
Charlotte  
3 MAY 2018 4:32  
Charlotte  
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Charlotte

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UNTIL ALL SIGNATURES ARE COMPLETED

PROJECT REFERENCE NO.	U-4405	SHEET NO.	UC-51
DESIGNED BY:	AMH		
DRAWN BY:	AMH/AB		
CHECKED BY:	AMH		
APPROVED BY:	MWF		
REVISED:		DATE	6/12/2018
NORTH CAROLINA DEPARTMENT OF TRANSPORTATION			
UTILITIES ENGINEERING SECTION			
PHONE: (919) 707-6699			
FAX: (919) 250-4151			


# UTILITY CONSTRUCTION



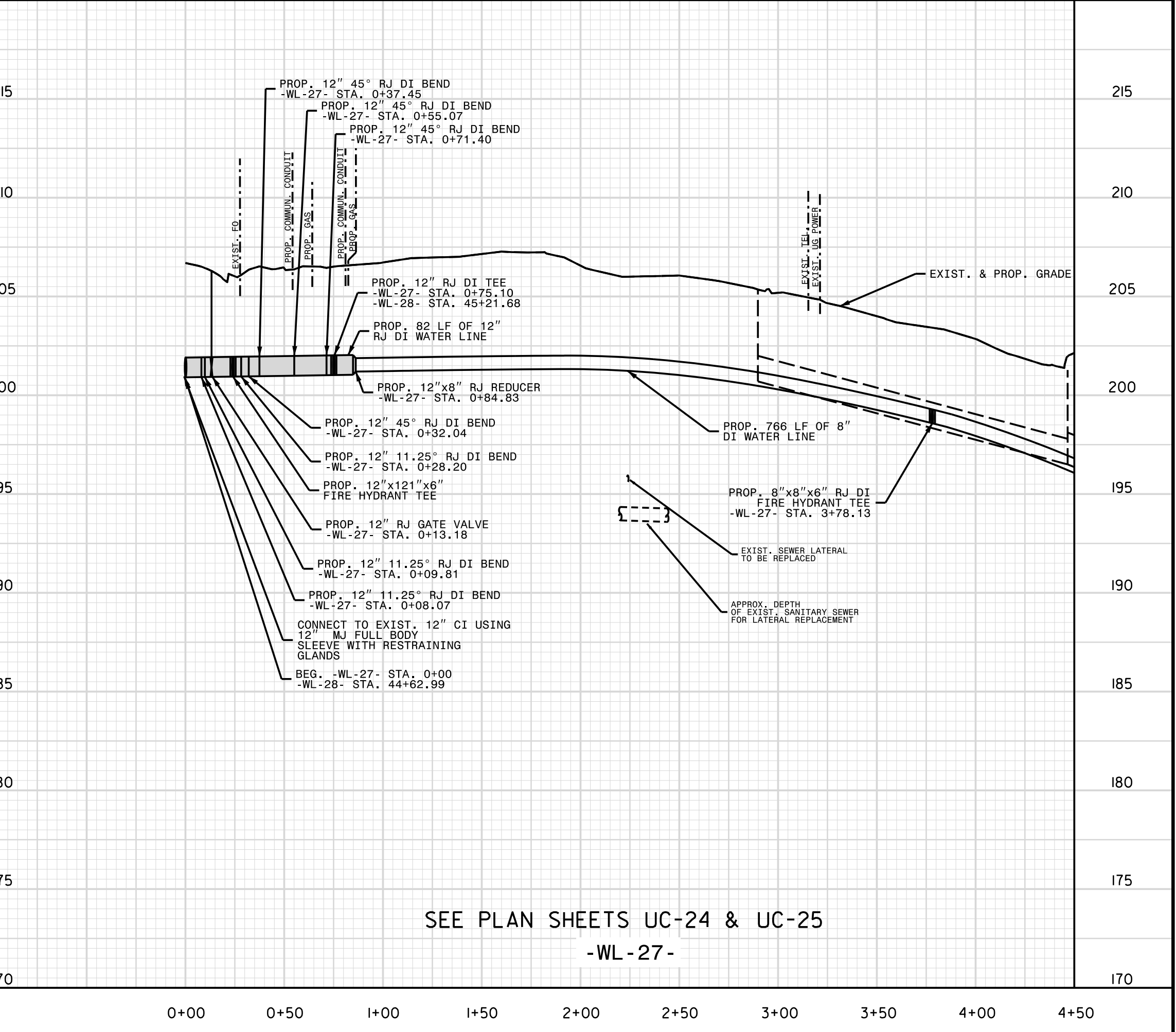
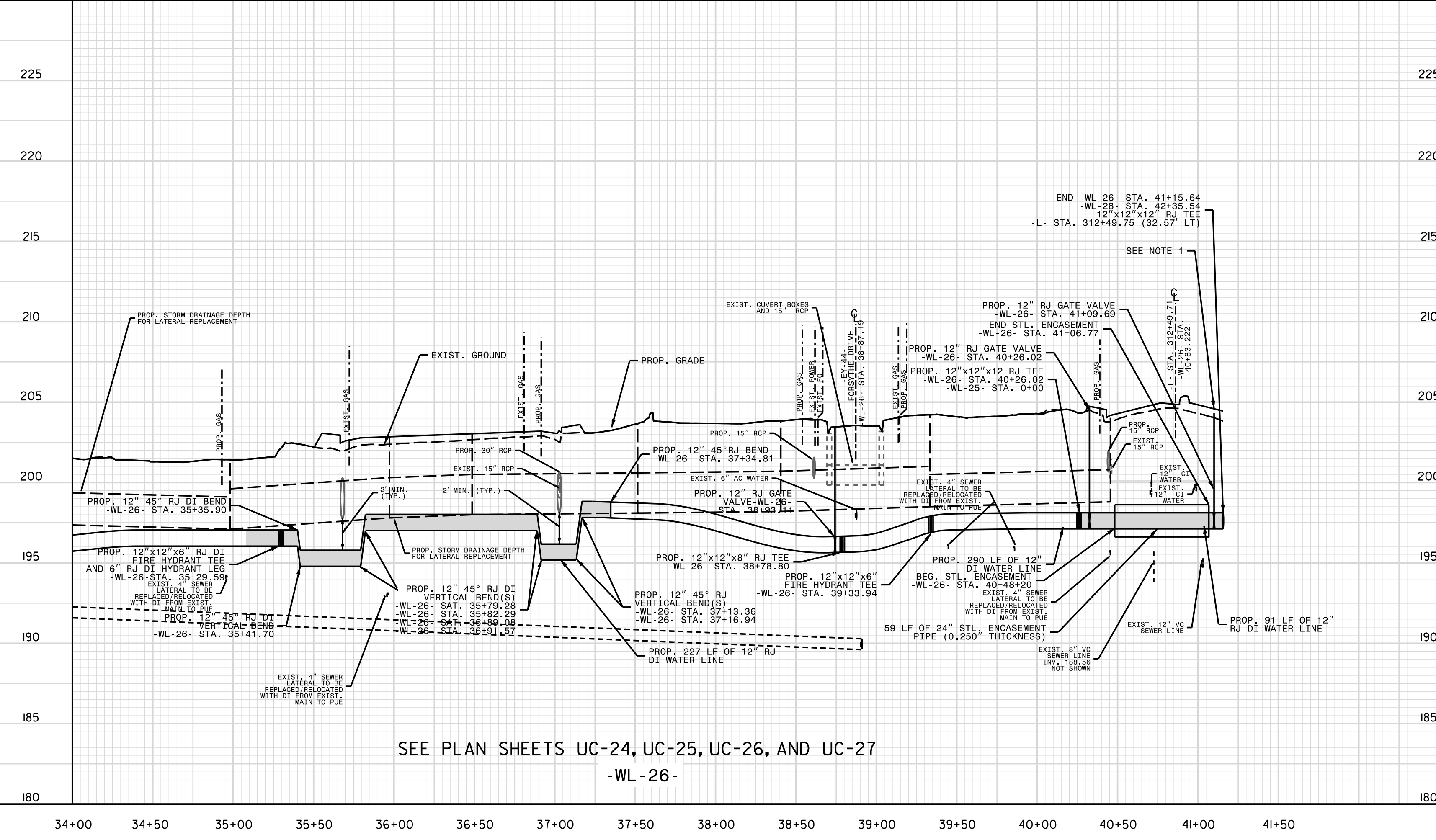
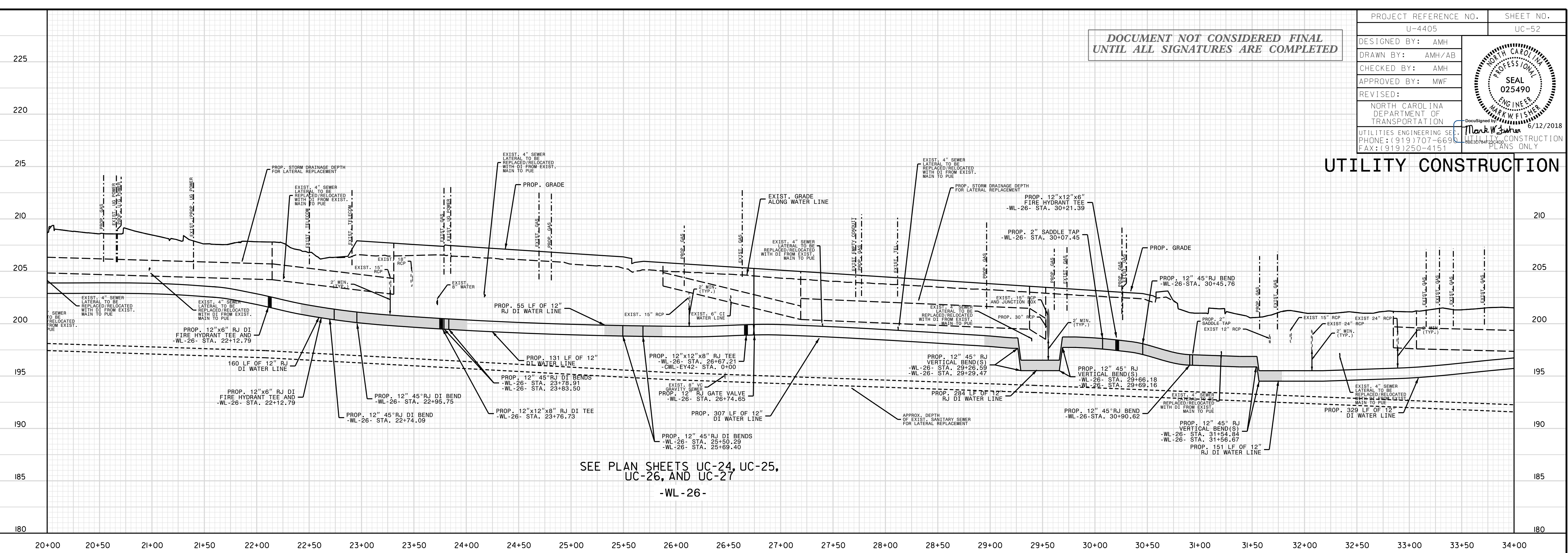


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Charlotte, NC  
WDR1993

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UNTIL ALL SIGNATURES ARE COMPLETED

PROJECT REFERENCE NO.	U-4405	SHEET NO.	UC-52
DESIGNED BY:	AMH		
DRAWN BY:	AMH/AB		
CHECKED BY:	AMH		
APPROVED BY:	MWF		
REVISED:			
NORTH CAROLINA DEPARTMENT OF TRANSPORTATION			
UTILITIES ENGINEERING SECTION PHONE: (919) 707-6699 FAX: (919) 250-4151			
DATE: 5/12/2018			
CONSTRUCTION PLANS ONLY			

### UTILITY CONSTRUCTION



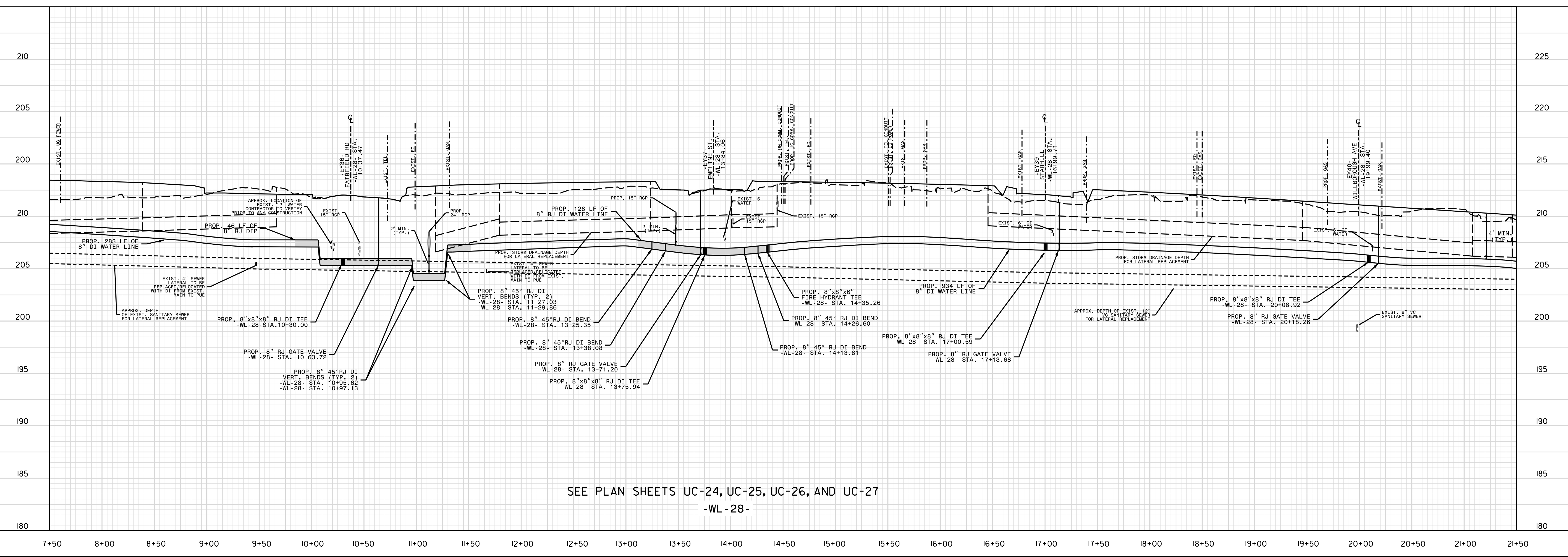
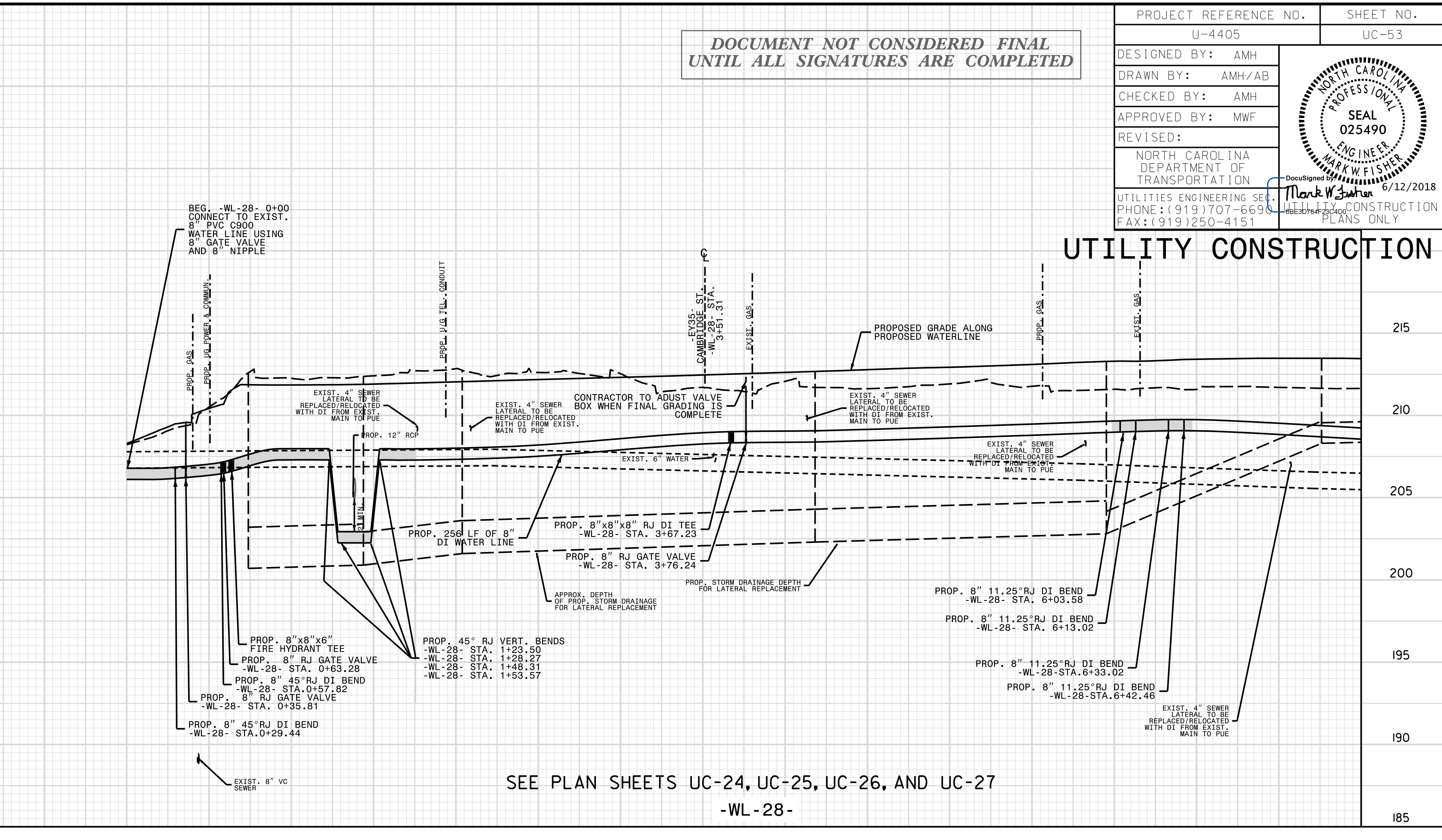
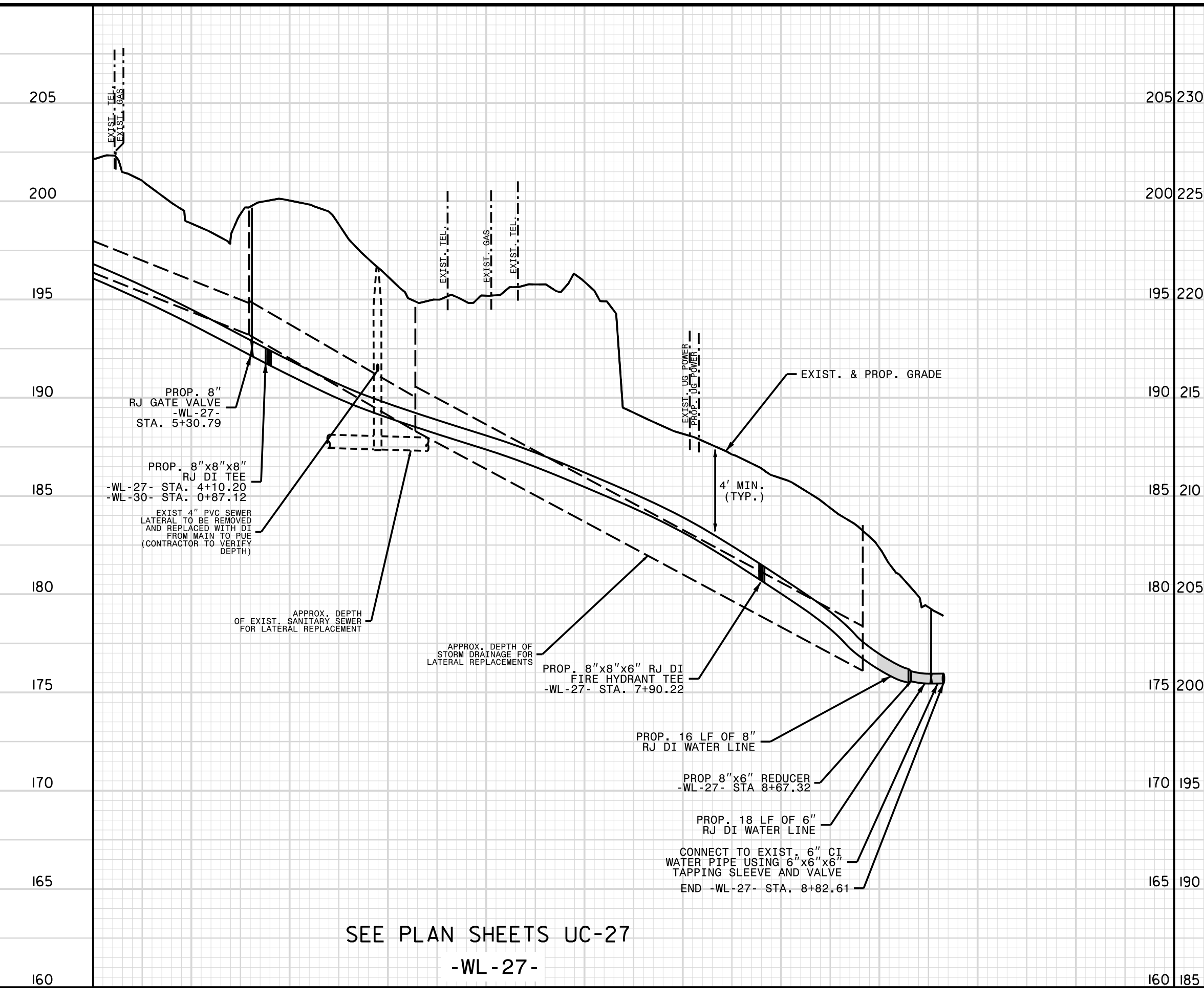


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DOCUMENT NOT CONSIDERED FINAL  
UNTIL ALL SIGNATURES ARE COMPLETED

PROJECT REFERENCE NO.	U-4405	SHEET NO.	UC-53
DESIGNED BY:	AMH/AB		
DRAWN BY:	AMH/AB		
CHECKED BY:	AMH		
APPROVED BY:	MWF		
REVISED:		NORTH CAROLINA DEPARTMENT OF TRANSPORTATION UTILITIES ENGINEERING SECTION PHONE: (919) 707-6690 FAX: (919) 250-4151	





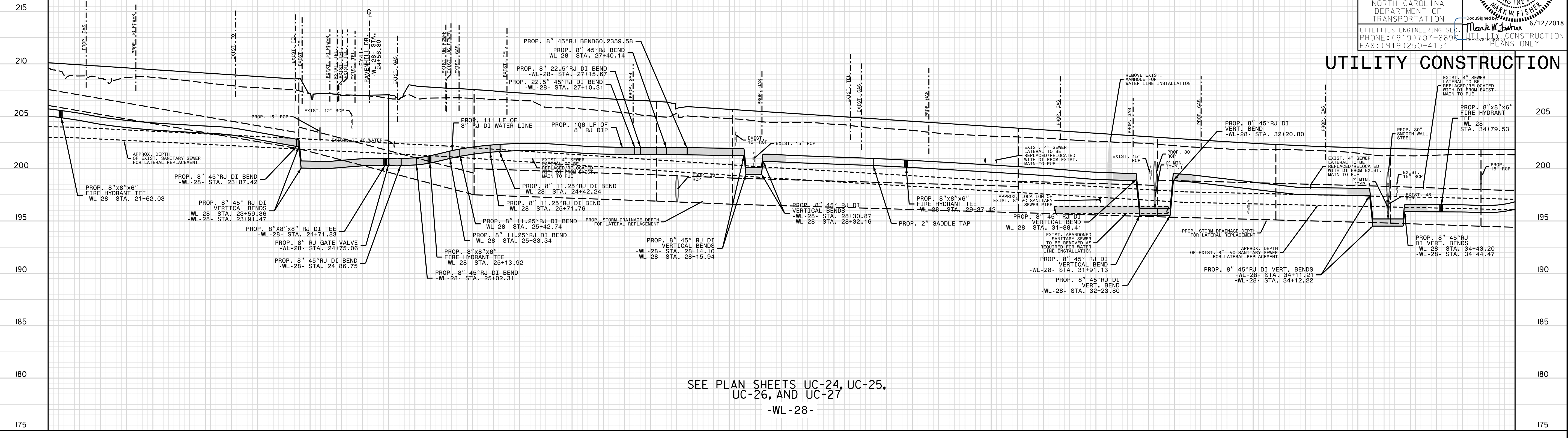
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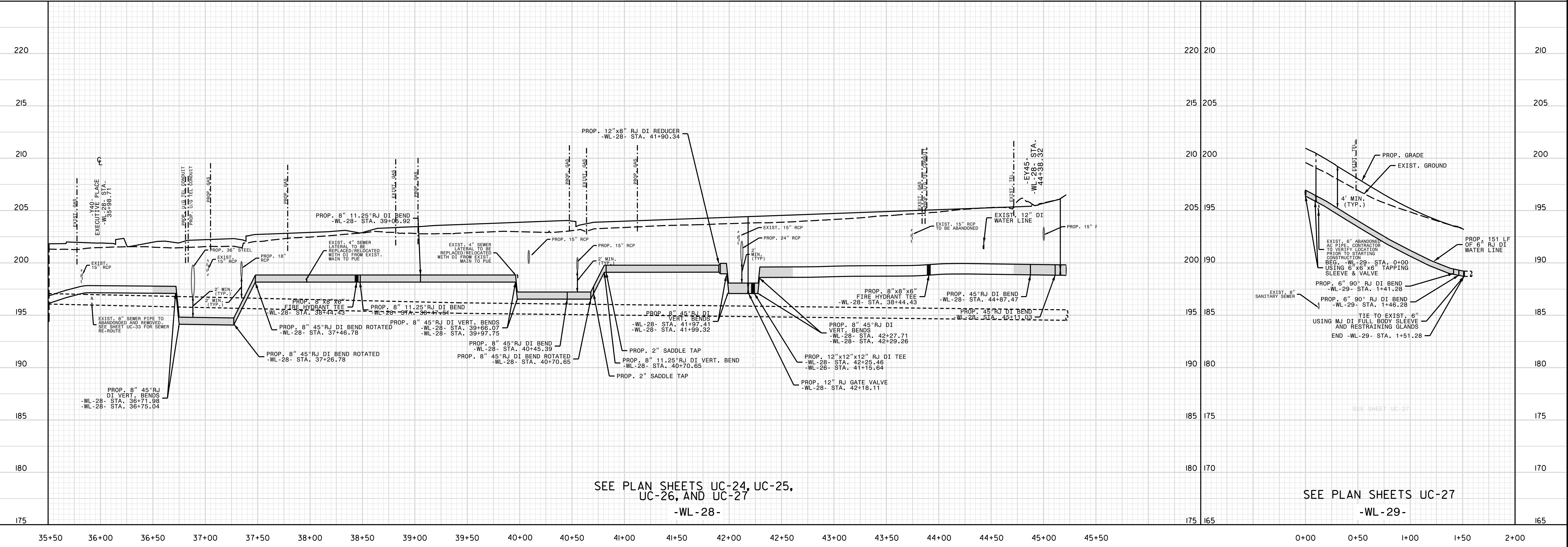
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UNTIL ALL SIGNATURES ARE COMPLETED

PROJECT REFERENCE NO.	U-4405	SHEET NO.	UC-54
DESIGNED BY:	AMH		6/12/2018 NORTH CAROLINA DEPARTMENT OF TRANSPORTATION UTILITIES ENGINEERING SECTION PHONE: (919) 707-6690 FAX: (919) 250-4151
DRAWN BY:	AMH/AB		
CHECKED BY:	AMH		
APPROVED BY:	MWF		
REVISED:			

### UTILITY CONSTRUCTION



SEE PLAN SHEETS UC-24, UC-25,  
UC-26, AND UC-27  
-WL-28-



SEE PLAN SHEETS UC-24, UC-25,  
UC-26, AND UC-27  
-WL-28-

SEE PLAN SHEETS UC-27  
-WL-29-

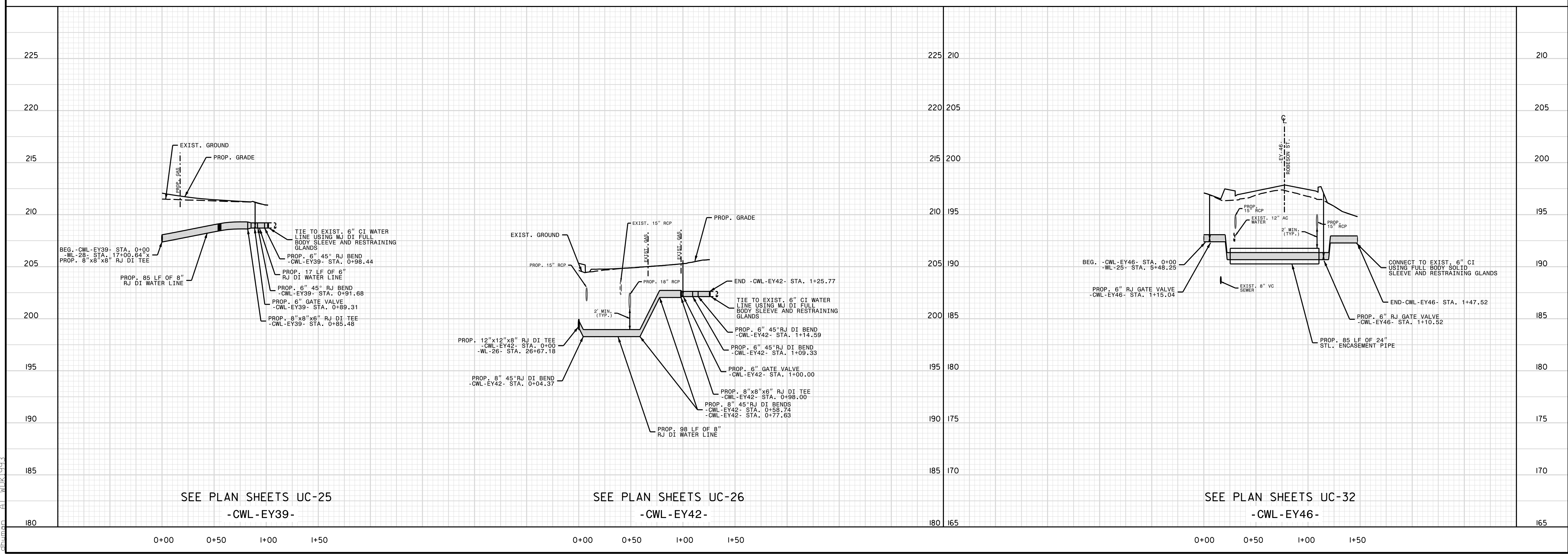
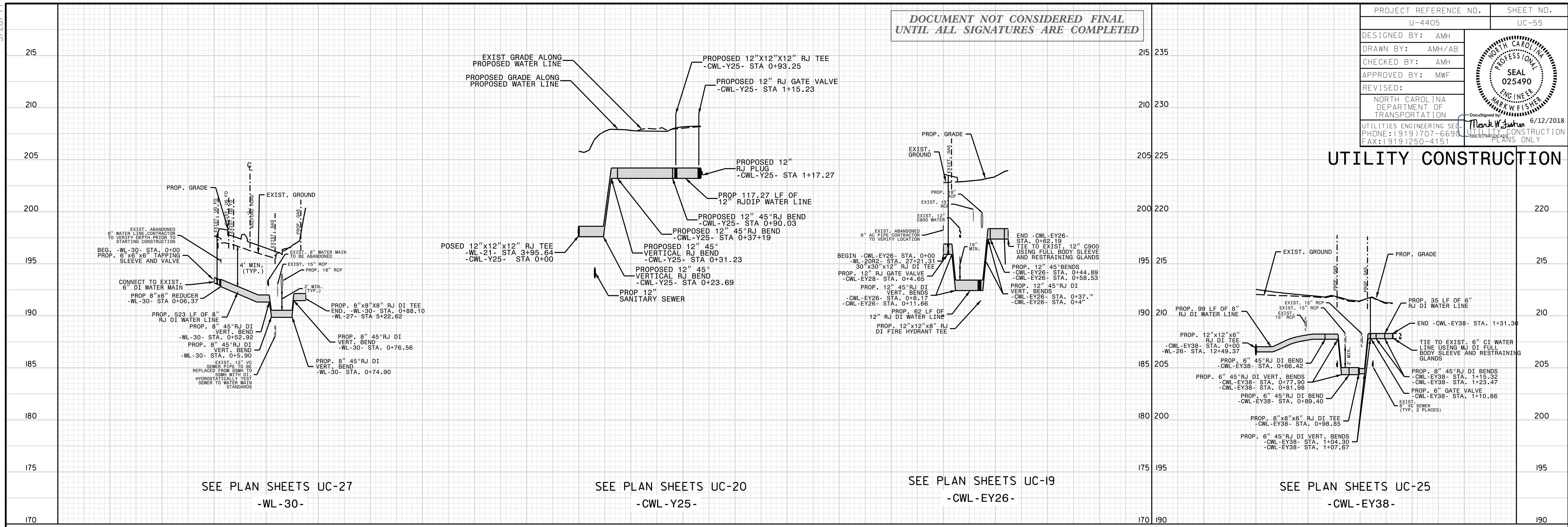


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 Charlotteville Public Works Commission\2015\017700RA Reeford Road NCDOT U 4405\CADD\NCDOT PLANS\Utilities\Engineering\UC\Proj\U4405\_ut.pfl\_uc55.psh.dgn

**DOCUMENT NOT CONSIDERED FINAL  
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PROJECT REFERENCE NO.	U-4405	SHEET NO.	UC-55
DESIGNED BY:	AMH		
DRAWN BY:	AMH/AB		
CHECKED BY:	AMH		
APPROVED BY:	MWF		
REVISED:			
NORTH CAROLINA DEPARTMENT OF TRANSPORTATION		6/12/2018 UTILITIES ENGINEERING SECTION PHONE: (919) 707-6690 FAX: (919) 250-4151	

## UTILITY CONSTRUCTION







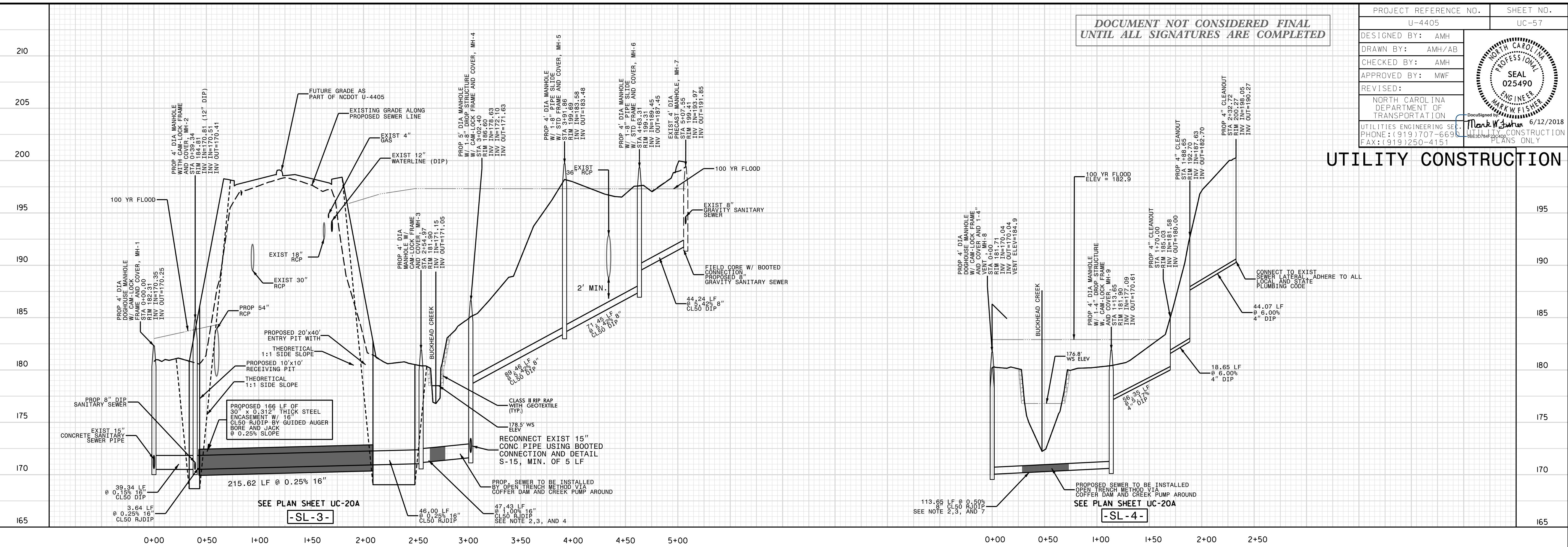


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DOCUMENT NOT CONSIDERED FINAL  
UNTIL ALL SIGNATURES ARE COMPLETED

PROJECT REFERENCE NO.	U-4405	SHEET NO.	UC-57
DESIGNED BY:	AMH		
DRAWN BY:	AMH/AB		
CHECKED BY:	AMH		
APPROVED BY:	MWF		
REVISED:		6/12/2018	
NORTH CAROLINA DEPARTMENT OF TRANSPORTATION		UTILITIES ENGINEERING SECTION	
PHONE: (919) 707-6699		FAX: (919) 250-4151	

UTILITY CONSTRUCTION

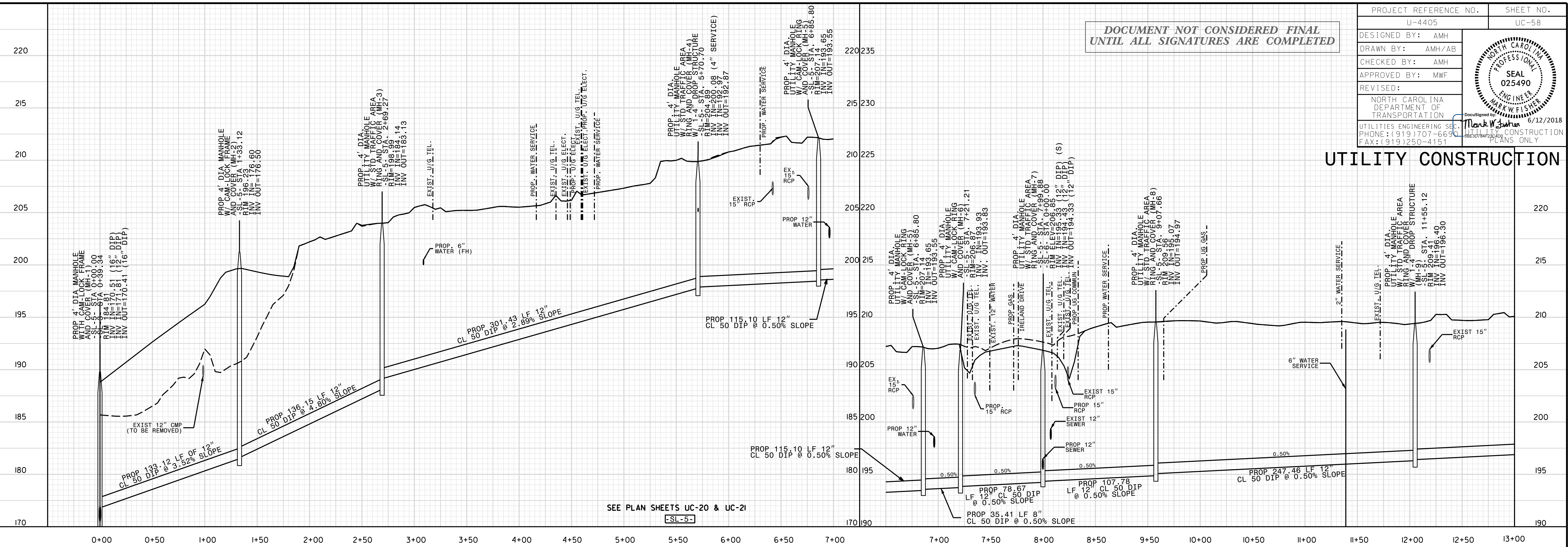


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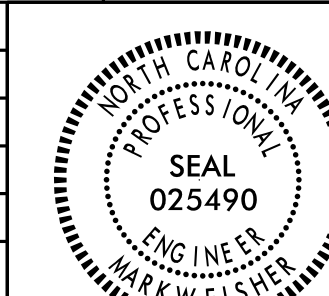
- PIPE THROUGH ENCASUREMENT AND FOR SUBMERGED STREAM CROSSINGS SHALL BE FACTORY RESTRAINED.
- SEWERS CROSSING STREAMS SHALL BE HYDROSTATICALLY TESTED TO 200 PSI ACCORDING TO THE NCDOT STANDARD SPECIFICATIONS FOR ROADS AND STRUCTURES.
- STREAM CROSSINGS SHALL NOT HAVE JOINTS BELOW STREAM CHANNEL (NORMAL WATER SURFACE ELEVATION) OR WITHIN TWO FEET OF BANKS UNLESS OTHERWISE NOTED
- PROP. RIM ELEVATION IS DESIGNED BASED ON OWNER'S REQUIREMENT OF EXIST 18" ABOVE EXIST. GRADE. MANHOLE ELEVATION WILL BE ADJUSTED AS PART OF ROAD CONTRACT AND HAS NOT BEEN INCLUDED IN THIS CONTRACT.
- SINCE SUBMERGED CREEK CROSSING EXCEEDS 20 LF, NOTE 4 IS EXEMPTED FOR THIS CROSSING ATTEMPT TO KEEP JOINTS OUTSIDE OF NORMAL WATER SURFACE TO THE EXTENT POSSIBLE.

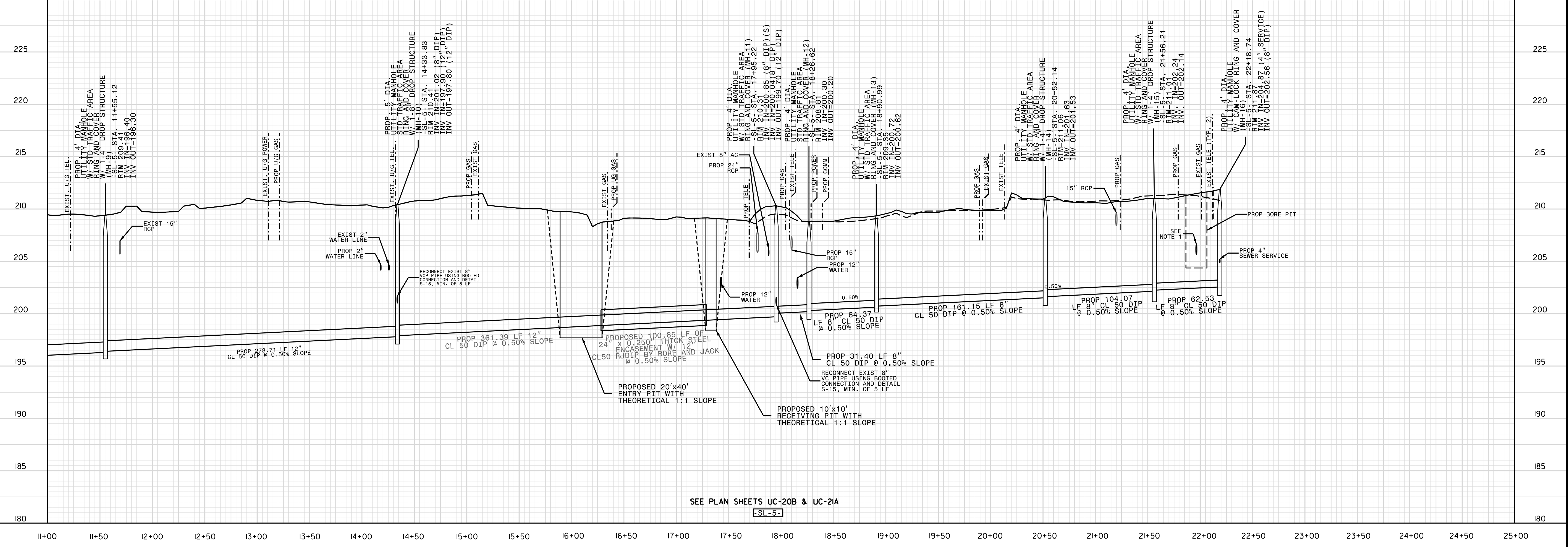


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UNTIL ALL SIGNATURES ARE COMPLETED

PROJECT REFERENCE NO.	U-4405	SHEET NO.	UC-58
DESIGNED BY:	AMH		
DRAWN BY:	AMH/AB		
CHECKED BY:	AMH		
APPROVED BY:	MWF		
REVISED:		6/12/2018	
NORTH CAROLINA DEPARTMENT OF TRANSPORTATION		UTILITIES ENGINEERING SECTION	
		PHONE: (919) 707-6699	
		FAX: (919) 250-4151	



UTILITY CONSTRUCTION

SEE PLAN SHEETS UC-20 & UC-21  
SL-5

SEE PLAN SHEETS UC-20B & UC-21A  
SL-5







