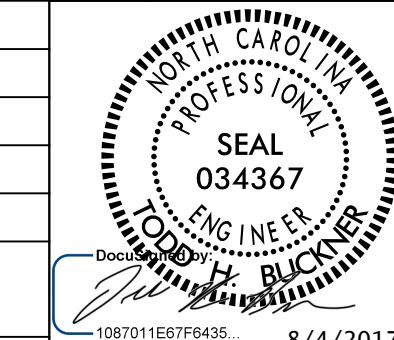


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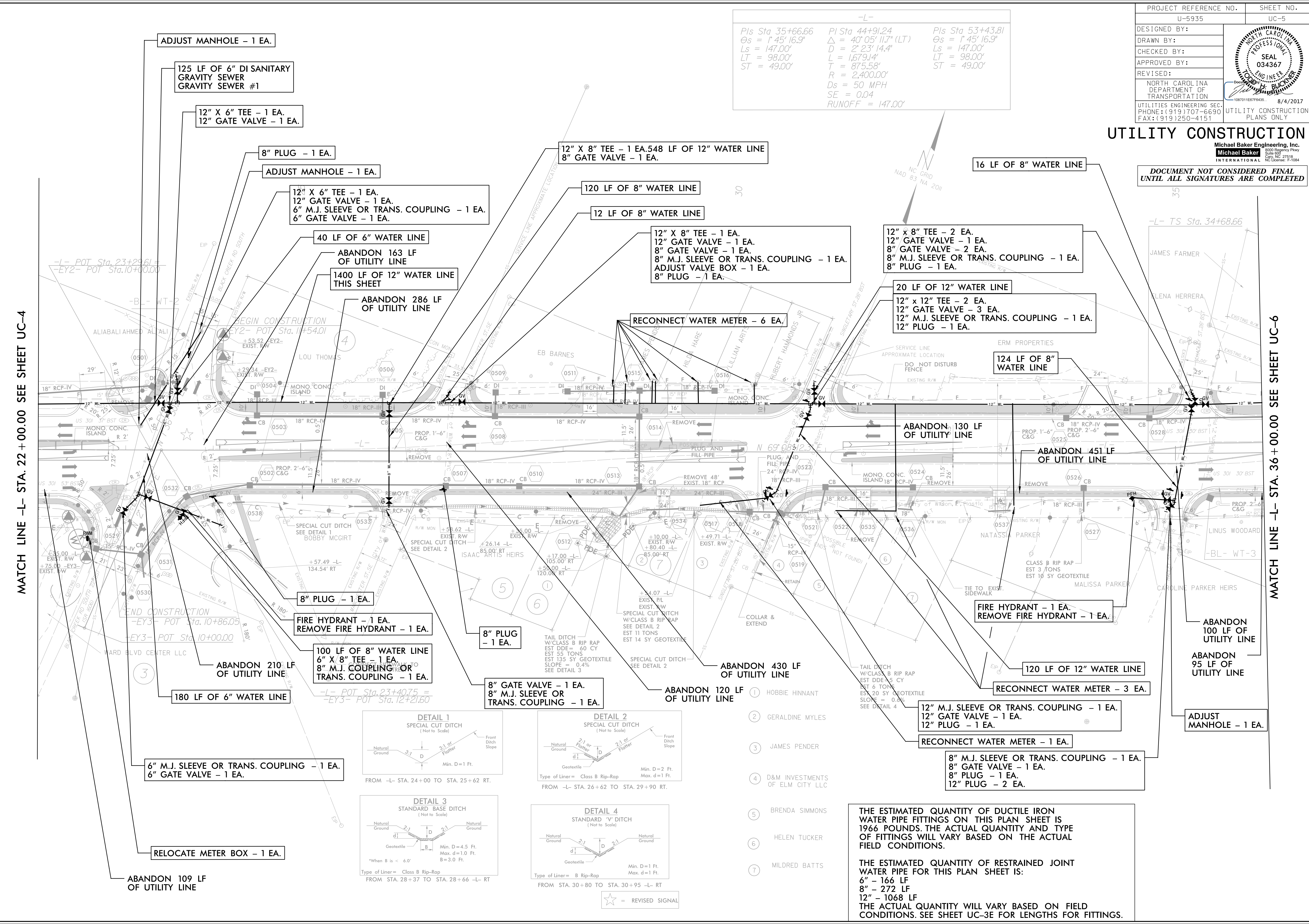


UTILITY CONSTRUCTION

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 Michael Baker INTERNATIONAL
 1087011E67F6435 8/4/2017

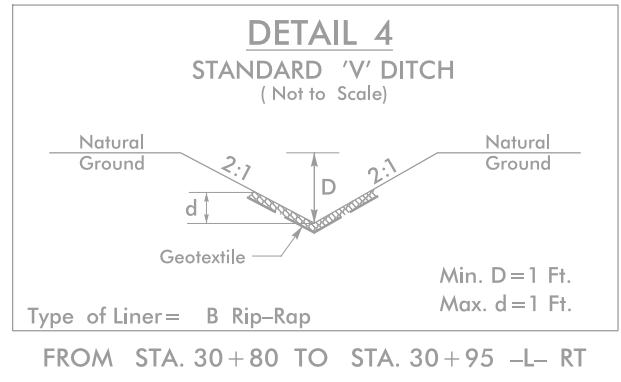
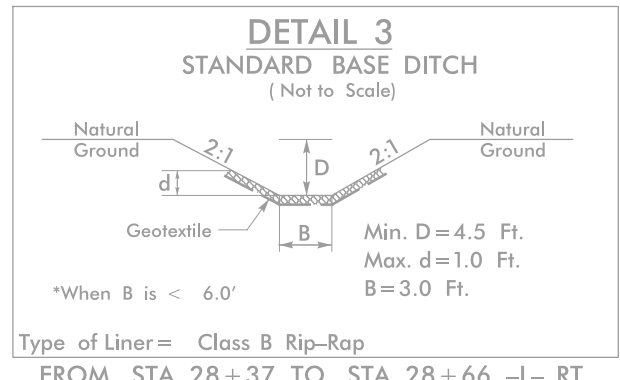
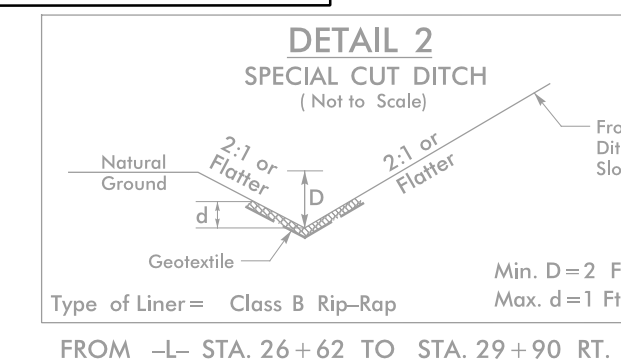
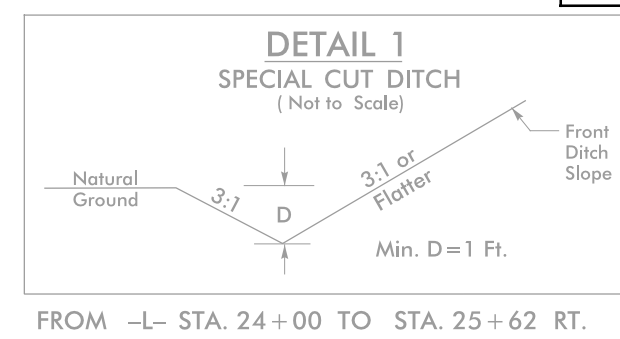
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-L-		
Pls Sta 35+66.66 θs = 1°45'16.9" Ls = 147.00' LT = 98.00' ST = 49.00'	Pl Sta 44+91.24 Δ = 40°05'11.7" (LT) D = 2°23'14.4" L = 1,679.14' T = 875.58' R = 2,400.00' Ds = 50 MPH SE = 0.04 RUNOFF = 147.00'	Pls Sta 53+43.81 θs = 1°45'16.9" Ls = 147.00' LT = 98.00' ST = 49.00'



MATCH LINE -L- STA. 22 + 00.00 SEE SHEET UC-4

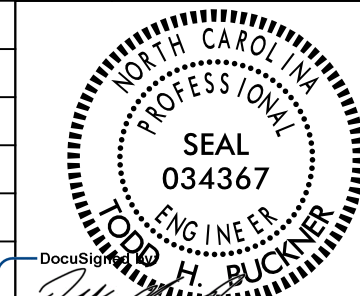
MATCH LINE -L- STA. 36 + 00.00 SEE SHEET UC-6



- 1 HOBBIE HINNANT
- 2 GERALDINE MYLES
- 3 JAMES PENDER
- 4 D&M INVESTMENTS OF ELM CITY LLC
- 5 BRENDA SIMMONS
- 6 HELEN TUCKER
- 7 MILDRED BATTS

THE ESTIMATED QUANTITY OF DUCTILE IRON WATER PIPE FITTINGS ON THIS PLAN SHEET IS 1966 POUNDS. THE ACTUAL QUANTITY AND TYPE OF FITTINGS WILL VARY BASED ON THE ACTUAL FIELD CONDITIONS.

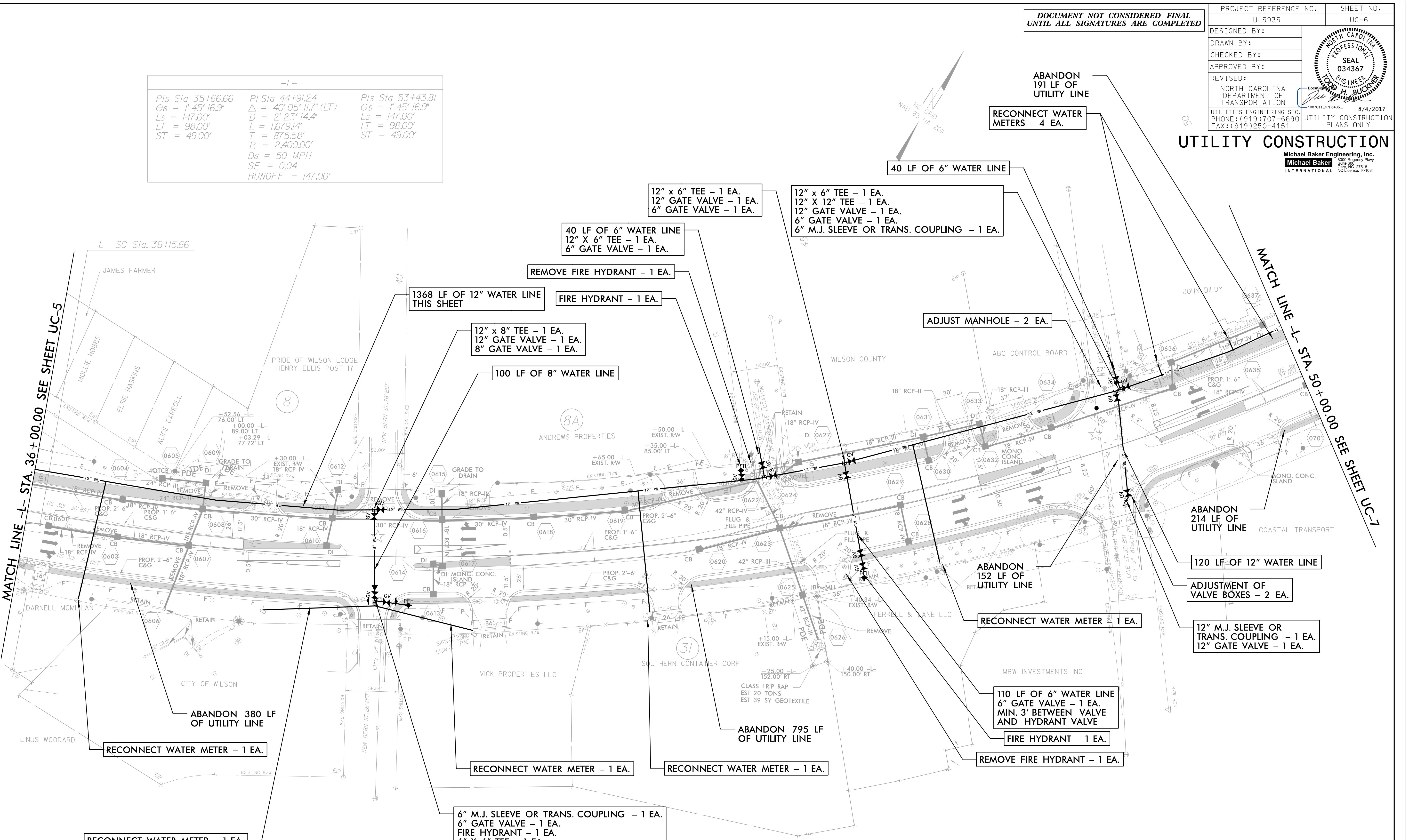
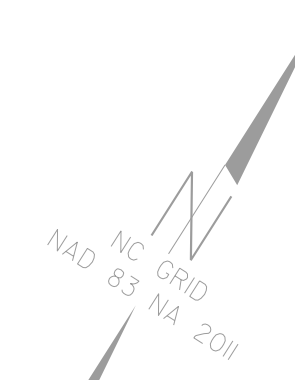
THE ESTIMATED QUANTITY OF RESTRAINED JOINT WATER PIPE FOR THIS PLAN SHEET IS:
 6" - 166 LF
 8" - 272 LF
 12" - 1068 LF
 THE ACTUAL QUANTITY WILL VARY BASED ON FIELD CONDITIONS. SEE SHEET UC-3E FOR LENGTHS FOR FITTINGS.



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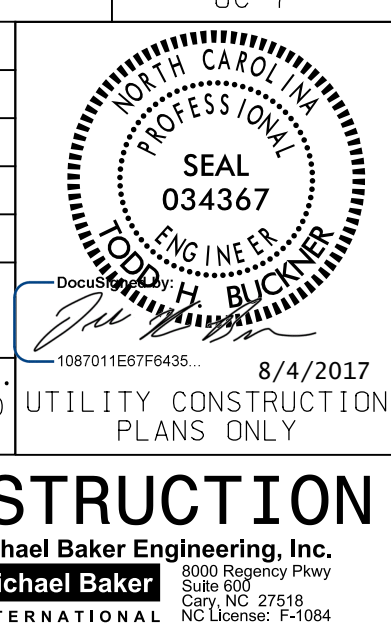
-L-		
Pls Sta 35+66.66	Pl Sta 44+91.24	Pls Sta 53+43.81
Os = 1' 45" 16.9"	Δ = 40° 05' 11.7" (LT)	Os = 1' 45" 16.9"
Ls = 147.00'	D = 2' 23" 14.4"	Ls = 147.00'
LT = 98.00'	L = 1,679.14'	LT = 98.00'
ST = 49.00'	T = 875.58'	ST = 49.00'
	R = 2,400.00'	
	Ds = 50 MPH	
	SE = 0.04	
	RUNOFF = 147.00'	



THE ESTIMATED QUANTITY OF DUCTILE IRON WATER PIPE FITTINGS ON THIS PLAN SHEET IS 1309 POUNDS. THE ACTUAL QUANTITY AND TYPE OF FITTINGS WILL VARY BASED ON THE ACTUAL FIELD CONDITIONS.

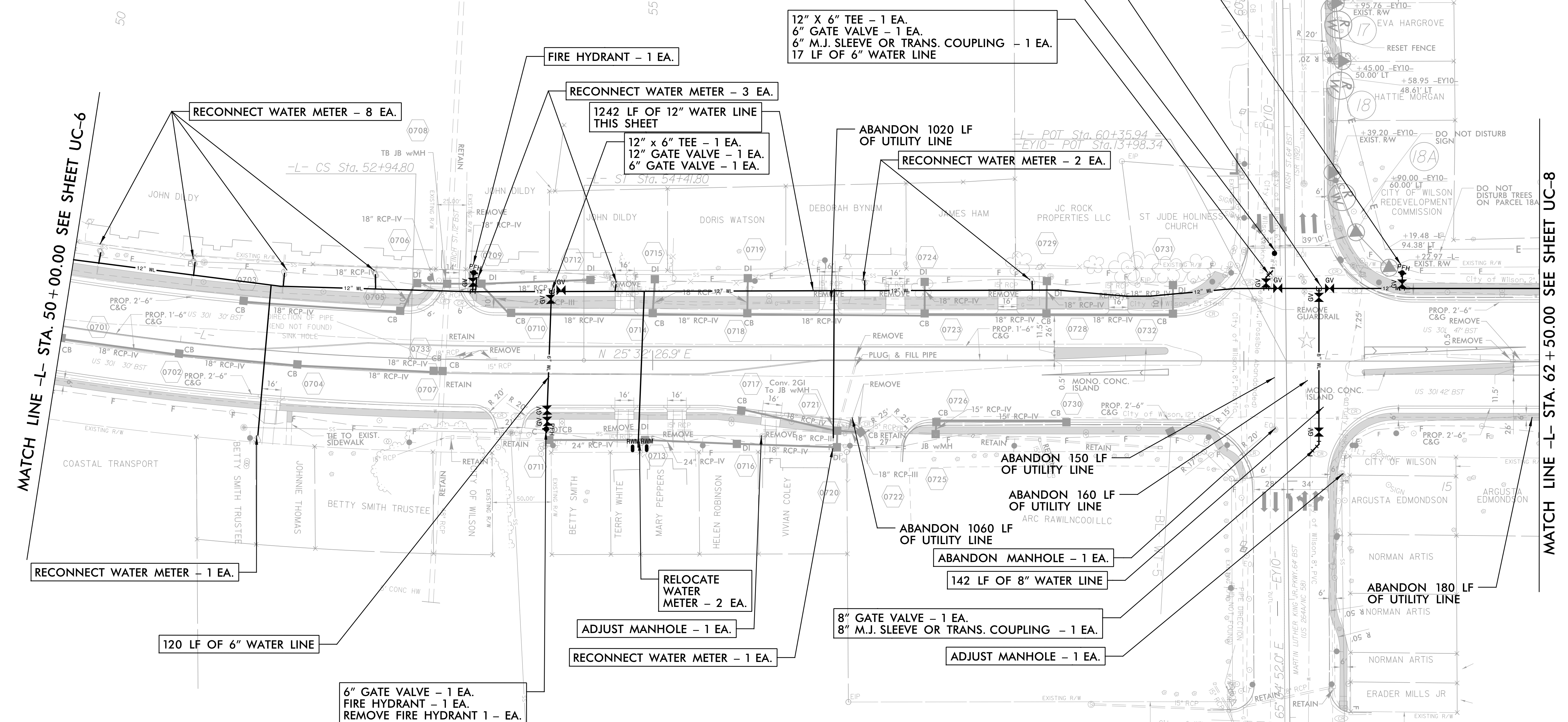
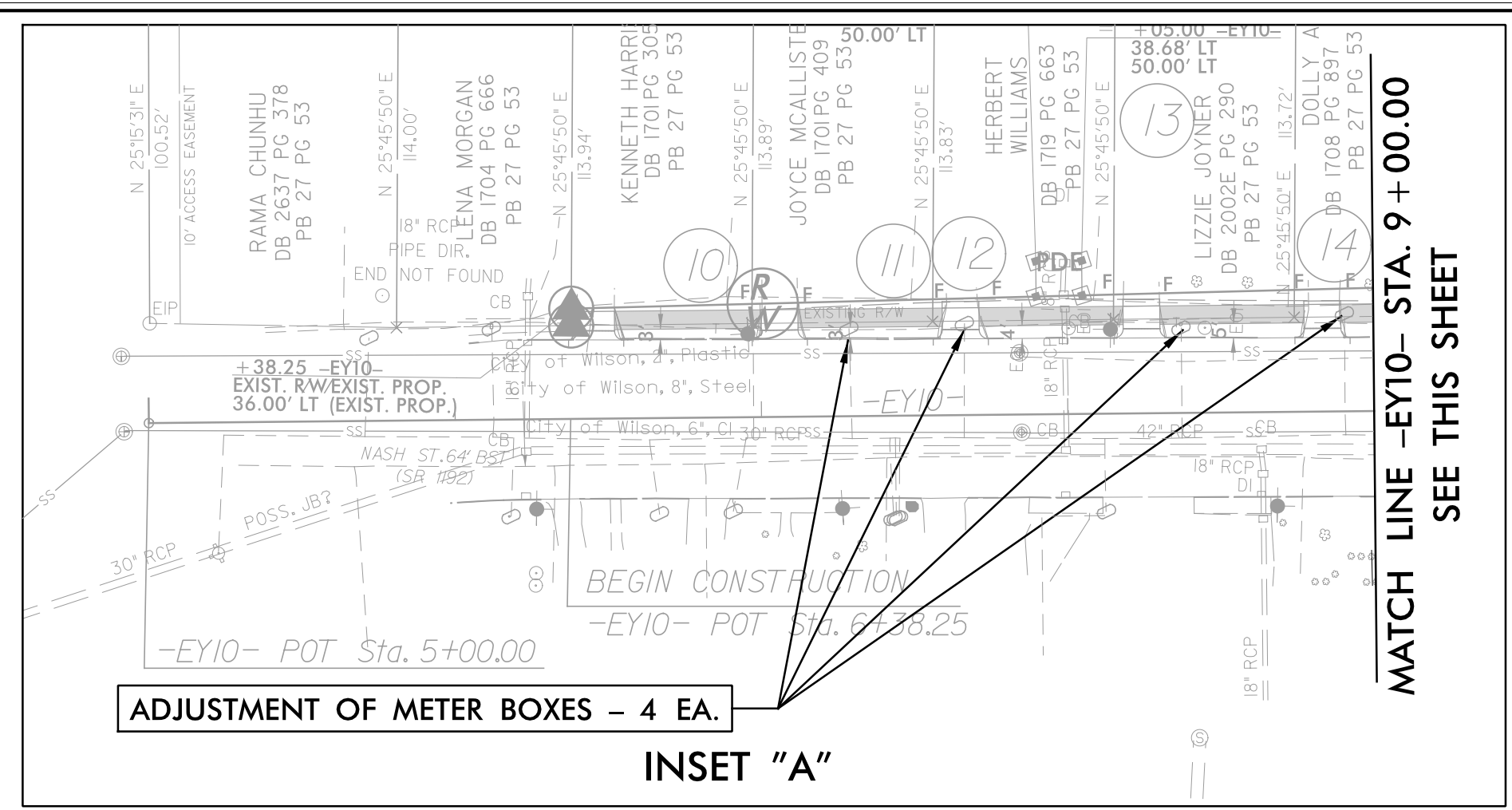
THE ESTIMATED QUANTITY OF RESTRAINED JOINT WATER PIPE FOR THIS PLAN SHEET IS:
 6" - 190 LF
 8" - 100 LF
 12" - 816 LF
 THE ACTUAL QUANTITY WILL VARY BASED ON FIELD CONDITIONS. SEE SHEET UC-3E FOR LENGTHS FOR FITTINGS.

★ = REVISED SIGNAL



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MATCH LINE -EY10- STA. 9 + 00.00
 SEE INSET "A" THIS SHEET



MATCH LINE -L- STA. 50 + 00.00 SEE SHEET UC-6

MATCH LINE -L- STA. 62 + 50.00 SEE SHEET UC-8

MATCH LINE -EY10- STA. 18 + 00.00 SEE SHEET UC-10

-L-

Pls Sta 35+66.66	Pl Sta 44+91.24	Pls Sta 53+43.81
Os = 1' 45" 16.9"	Δ = 40' 05" 11.7" (LT)	Os = 1' 45" 16.9"
Ls = 147.00'	D = 2' 23" 14.4"	Ls = 147.00'
LT = 98.00'	L = 1,679.14'	LT = 98.00'
ST = 49.00'	T = 875.58'	ST = 49.00'
	R = 2,400.00'	
	Ds = 50 MPH	
	SE = 0.04	
	RUNOFF = 147.00'	

THE ESTIMATED QUANTITY OF DUCTILE IRON WATER PIPE FITTINGS ON THIS PLAN SHEET IS 408 POUNDS. THE ACTUAL QUANTITY AND TYPE OF FITTINGS WILL VARY BASED ON THE ACTUAL FIELD CONDITIONS.

THE ESTIMATED QUANTITY OF RESTRAINED JOINT WATER PIPE FOR THIS PLAN SHEET IS:
 6" - 140 LF
 8" - 142 LF
 12" - 508 LF
 THE ACTUAL QUANTITY WILL VARY BASED ON FIELD CONDITIONS. SEE SHEET UC-3E FOR LENGTHS FOR FITTINGS.

☆ = REVISED SIGNAL

5/14/99

8/4/2017 10:43:11 PM U-5935-UC-SHT_07.dgn
 USER: todd.buckner

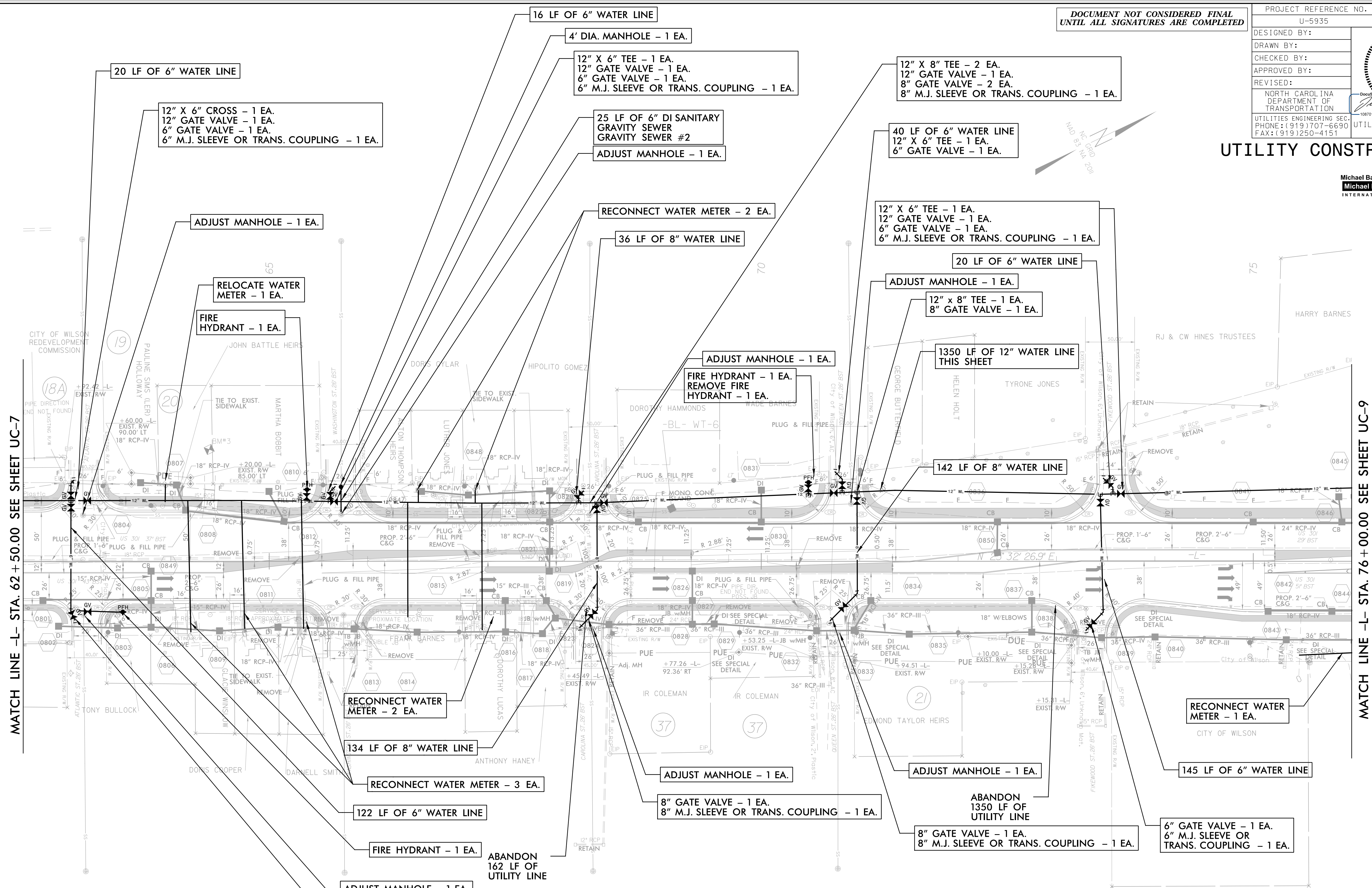
5/14/99

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PROJECT REFERENCE NO.	U-5935	SHEET NO.	UC-8
DESIGNED BY:			
DRAWN BY:			
CHECKED BY:			
APPROVED BY:			
REVISED:			
NORTH CAROLINA DEPARTMENT OF TRANSPORTATION UTILITIES ENGINEERING SECTION PHONE: (919) 707-6690 FAX: (919) 250-4151		8/4/2017 UTILITY CONSTRUCTION PLANS ONLY	

UTILITY CONSTRUCTION

Michael Baker Engineering, Inc.
 8000 Research Pkwy
 Suite 600
 Cary, NC 27518
 INTERNATIONAL NC License: P-1084



MATCH LINE -L- STA. 62 + 50.00 SEE SHEET UC-7

MATCH LINE -L- STA. 76 + 00.00 SEE SHEET UC-9

THE ESTIMATED QUANTITY OF DUCTILE IRON WATER PIPE FITTINGS ON THIS PLAN SHEET IS 4764 POUNDS. THE ACTUAL QUANTITY AND TYPE OF FITTINGS WILL VARY BASED ON THE ACTUAL FIELD CONDITIONS.

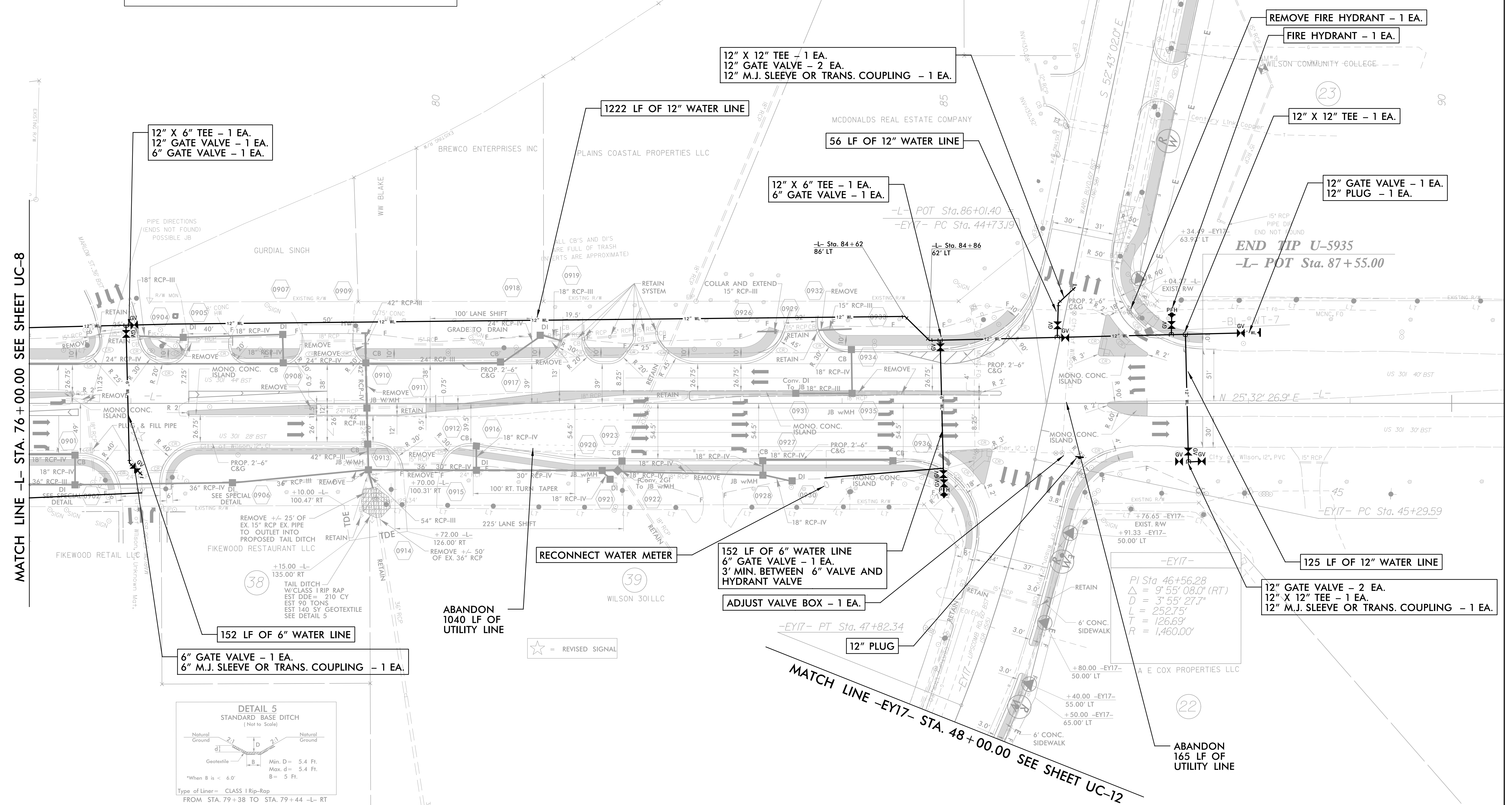
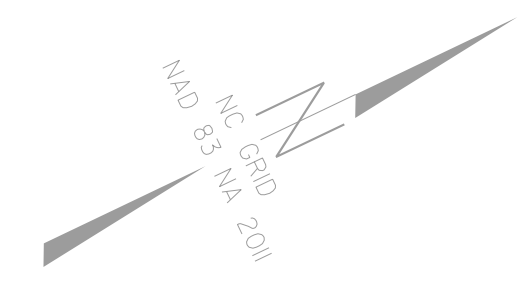
THE ESTIMATED QUANTITY OF RESTRAINED JOINT WATER PIPE FOR THIS PLAN SHEET IS:
 6" - 218 LF
 8" - 312 LF
 12" - 1160 LF

THE ACTUAL QUANTITY WILL VARY BASED ON FIELD CONDITIONS. SEE SHEET UC-3E FOR LENGTHS FOR FITTINGS.

8/4/2017 10:50:10 PV 5935_UC_SHT_08.dgn
 USER: todd.buckner

THE ESTIMATED QUANTITY OF DUCTILE IRON WATER PIPE FITTINGS ON THIS PLAN SHEET IS 916 POUNDS. THE ACTUAL QUANTITY AND TYPE OF FITTINGS WILL VARY BASED ON THE ACTUAL FIELD CONDITIONS.

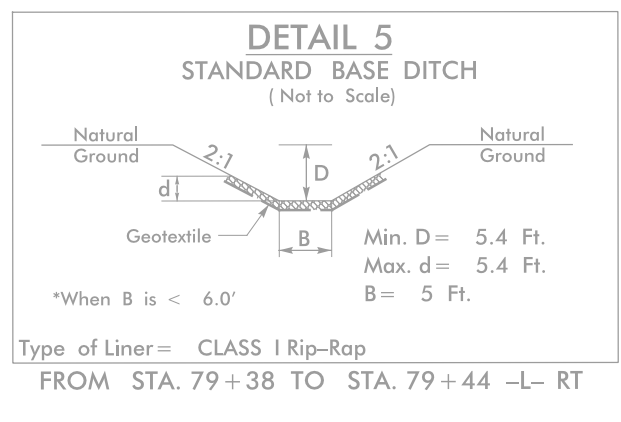
THE ESTIMATED QUANTITY OF RESTRAINED JOINT WATER PIPE FOR THIS PLAN SHEET IS:
 6" - 252 LF
 12" - 827 LF
 THE ACTUAL QUANTITY WILL VARY BASED ON FIELD CONDITIONS. SEE SHEET UC-3E FOR LENGTHS FOR FITTINGS.



MATCH LINE -L- STA. 76 + 00.00 SEE SHEET UC-8

MATCH LINE -EY17- STA. 40 + 00.00 SEE SHEET UC-11 UTILITY CONSTRUCTION

MATCH LINE -EY17- STA. 48 + 00.00 SEE SHEET UC-12



5/14/99

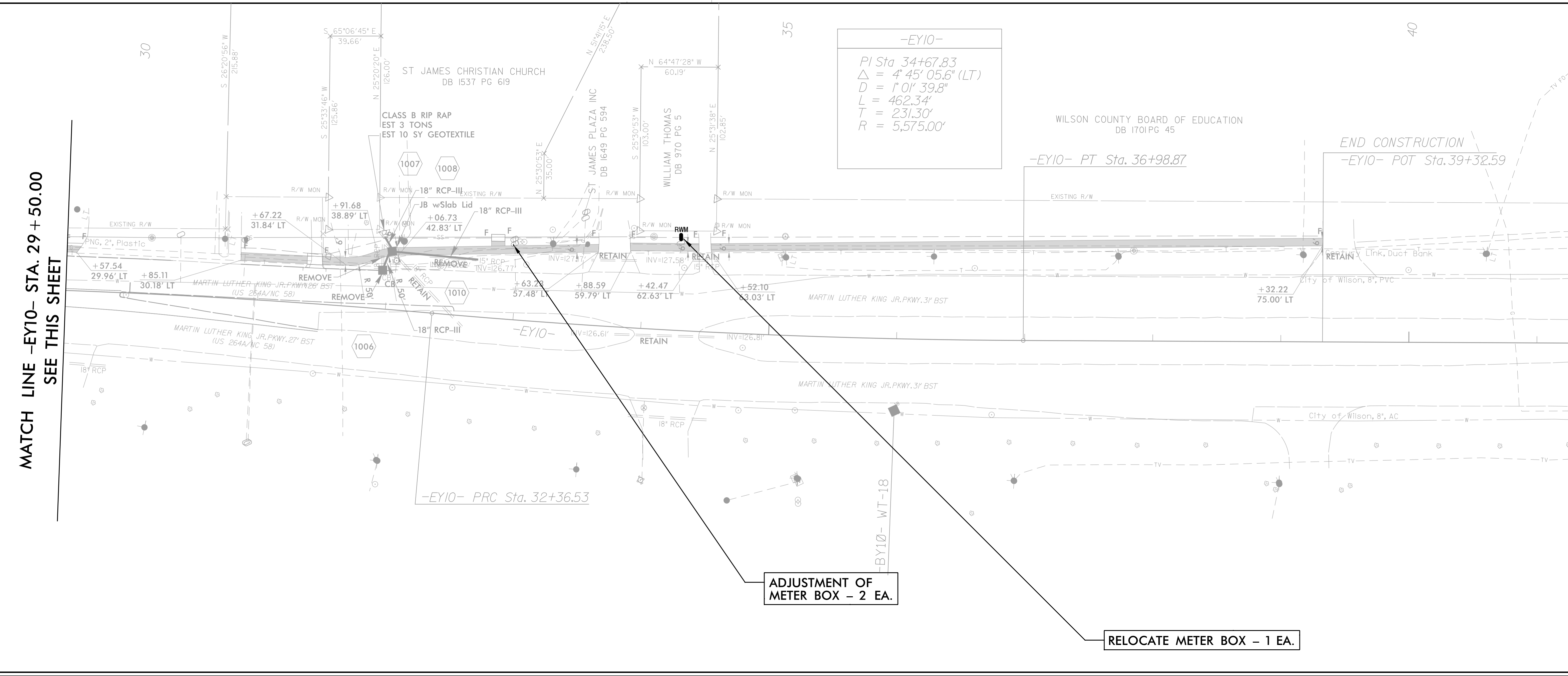
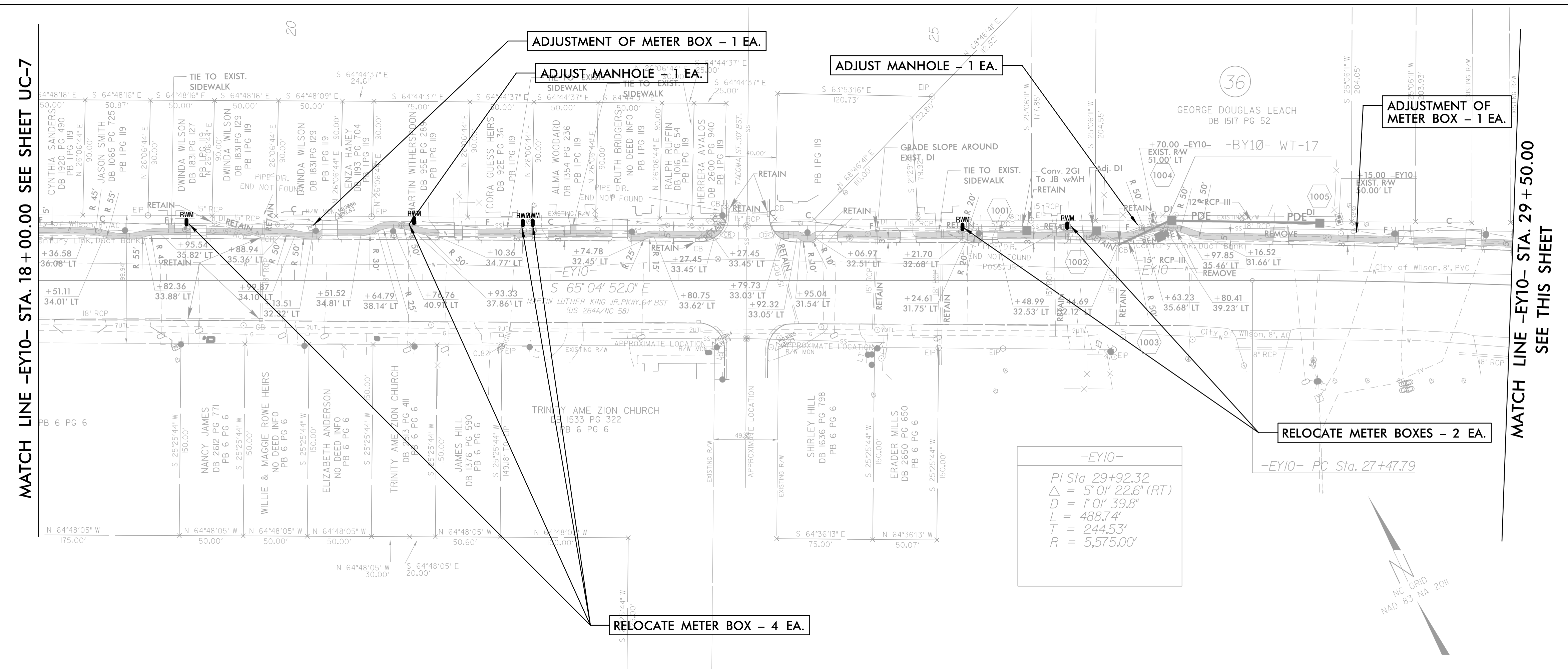
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USER: todd.buckner

PROJECT REFERENCE NO.	SHEET NO.
U-5935	UC-10
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 Michael Baker
 INTERNATIONAL

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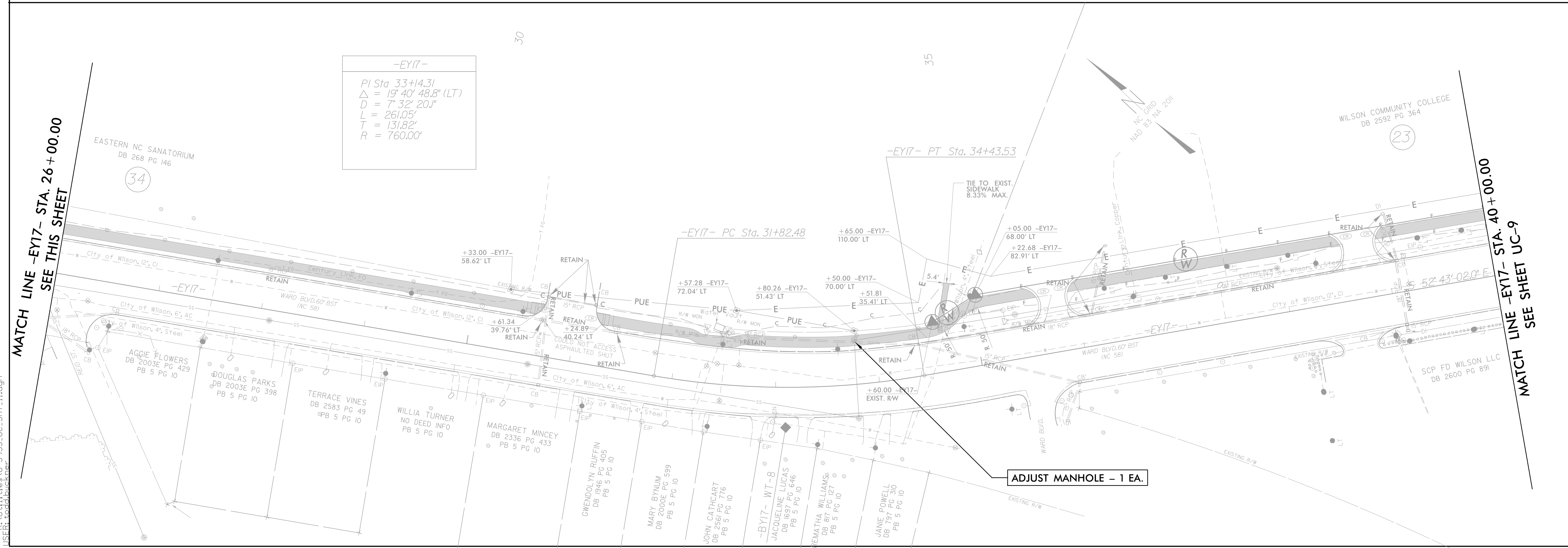
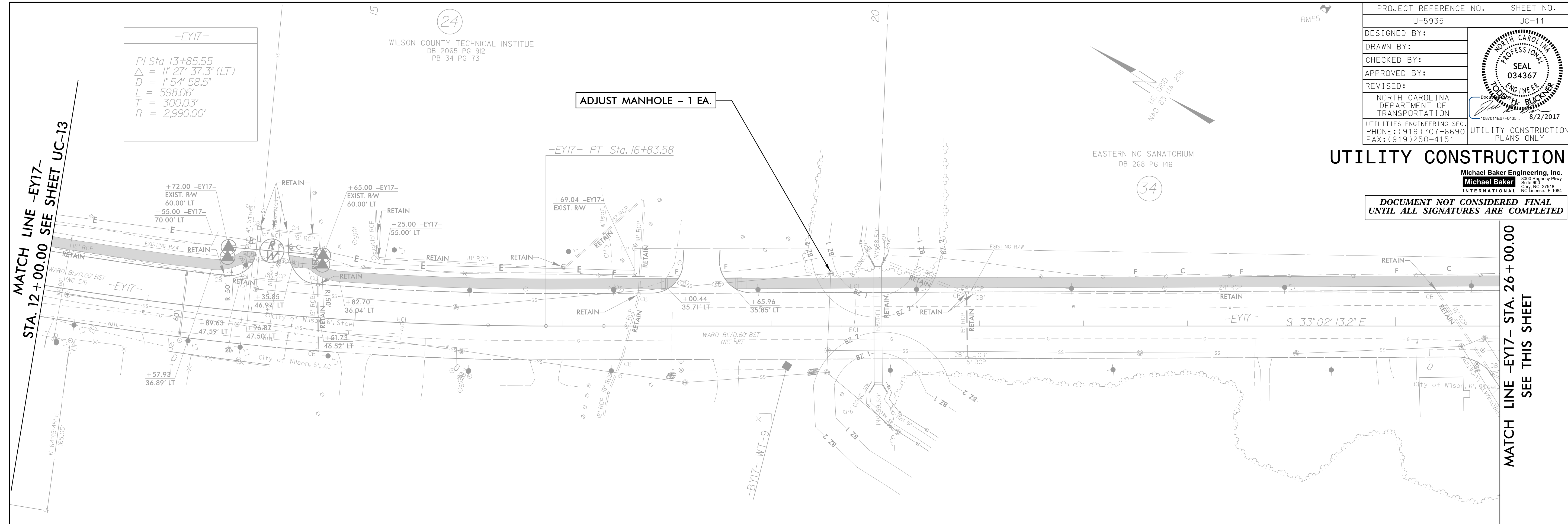
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 USER: todd.buckner

PROJECT REFERENCE NO.	SHEET NO.
U-5935	UC-11
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Michael Baker Engineering, Inc.
 Michael Baker International
 8000 Regency Pkwy
 Suite 600
 Cary, NC 27518
 No. License: PE1084

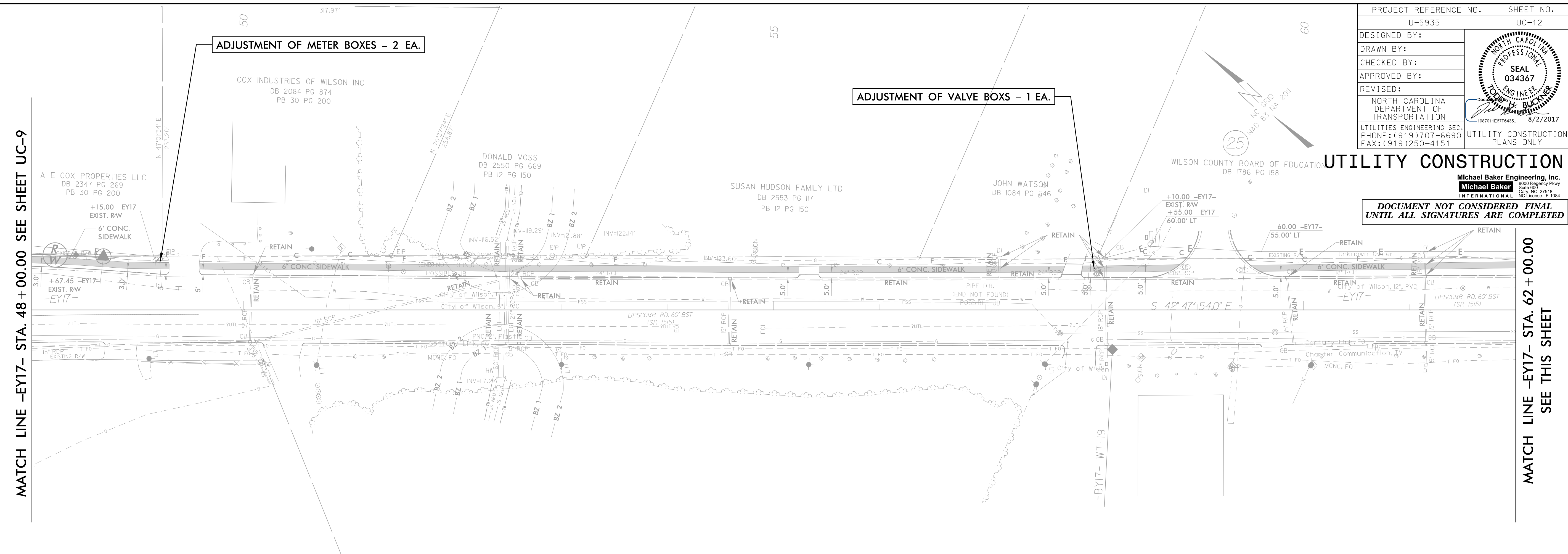
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 USER: todd.buckner

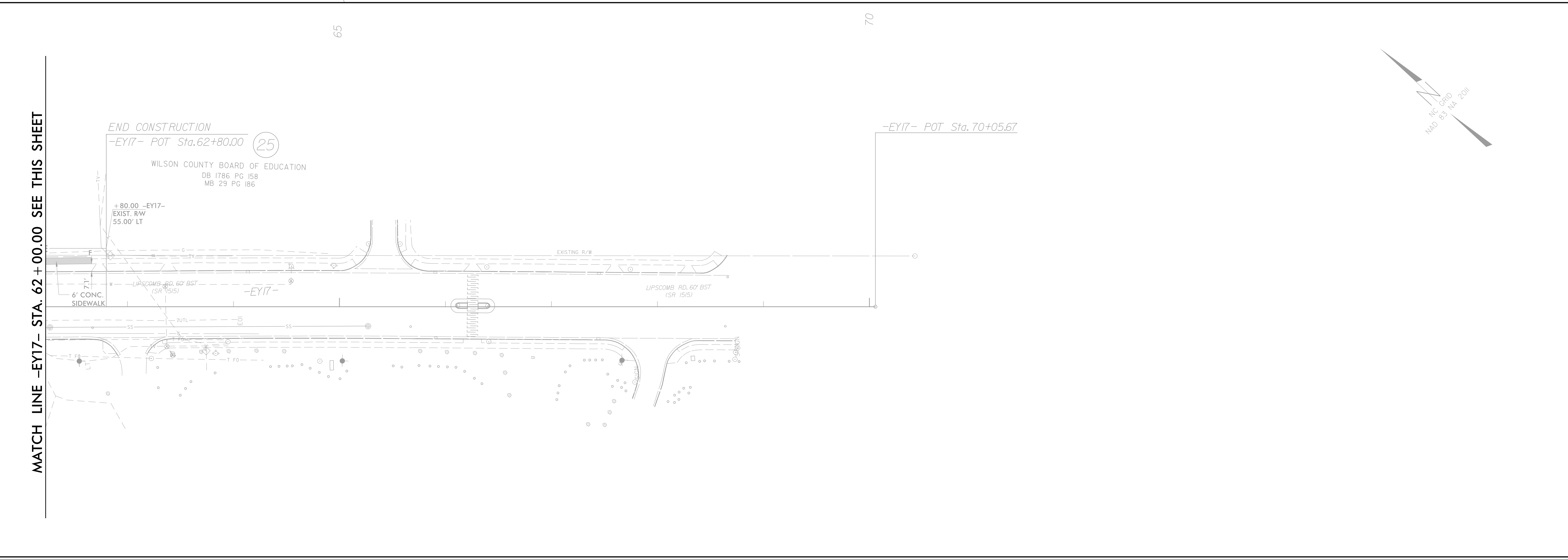
PROJECT REFERENCE NO.	SHEET NO.
U-5935	UC-12
DESIGNED BY:	
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APPROVED BY:	
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MATCH LINE -EY17- STA. 48 + 00.00 SEE SHEET UC-9

MATCH LINE -EY17- STA. 62 + 00.00 SEE THIS SHEET



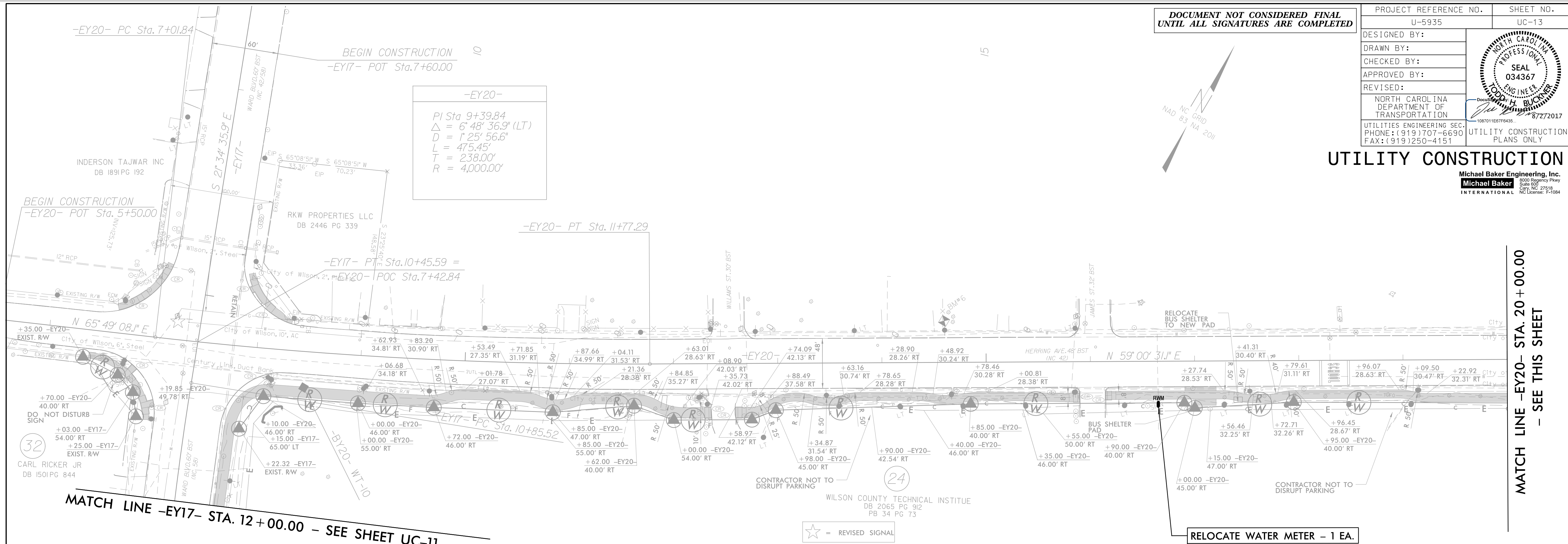
MATCH LINE -EY17- STA. 62 + 00.00 SEE THIS SHEET

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PROJECT REFERENCE NO.	U-5935	SHEET NO.	UC-13
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APPROVED BY:			
REVISER:		NORTH CAROLINA DEPARTMENT OF TRANSPORTATION 1087011E07F6435 8/27/2017 UTILITY ENGINEERING SEC. PHONE: (919) 707-6690 FAX: (919) 250-4151	
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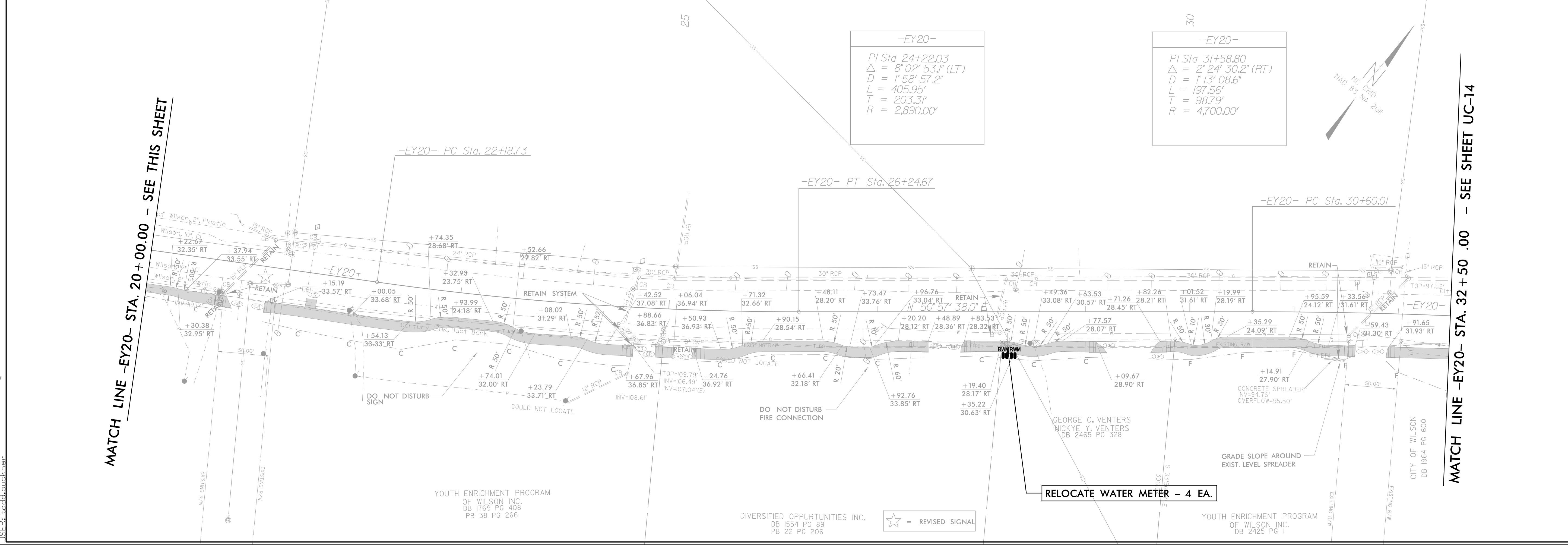
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MATCH LINE -EY17- STA. 12+00.00 - SEE SHEET UC-11

MATCH LINE -EY20- STA. 20+00.00 - SEE THIS SHEET



MATCH LINE -EY20- STA. 20+00.00 - SEE THIS SHEET

MATCH LINE -EY20- STA. 32+50.00 - SEE SHEET UC-14

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 USER: todd.buckner

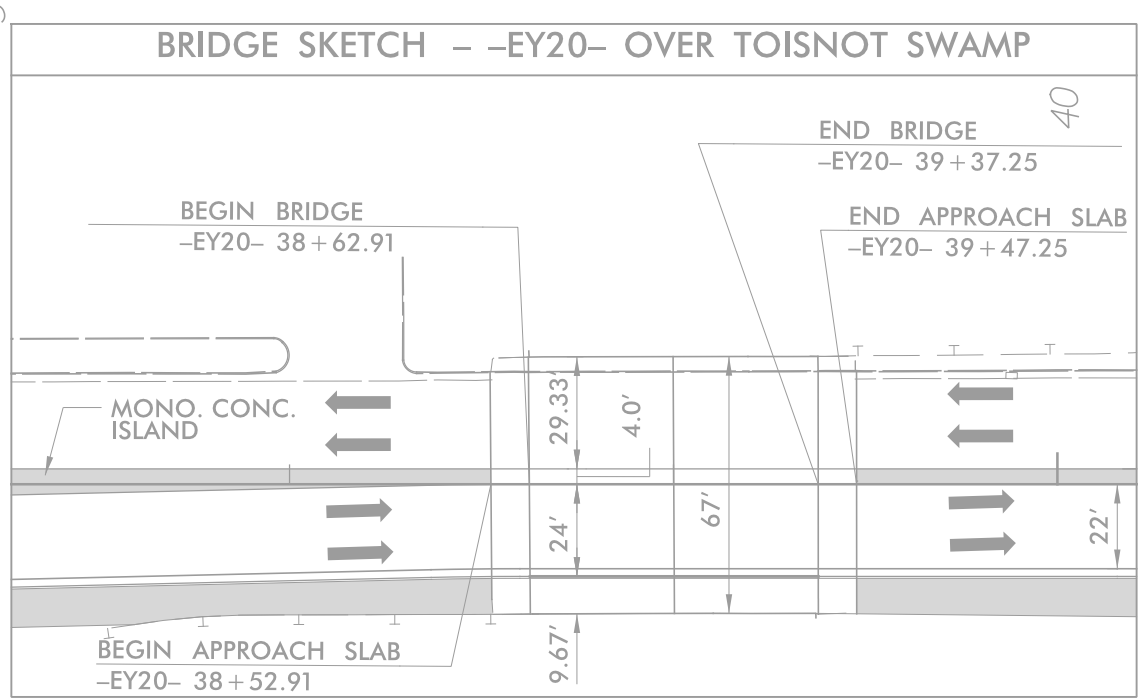
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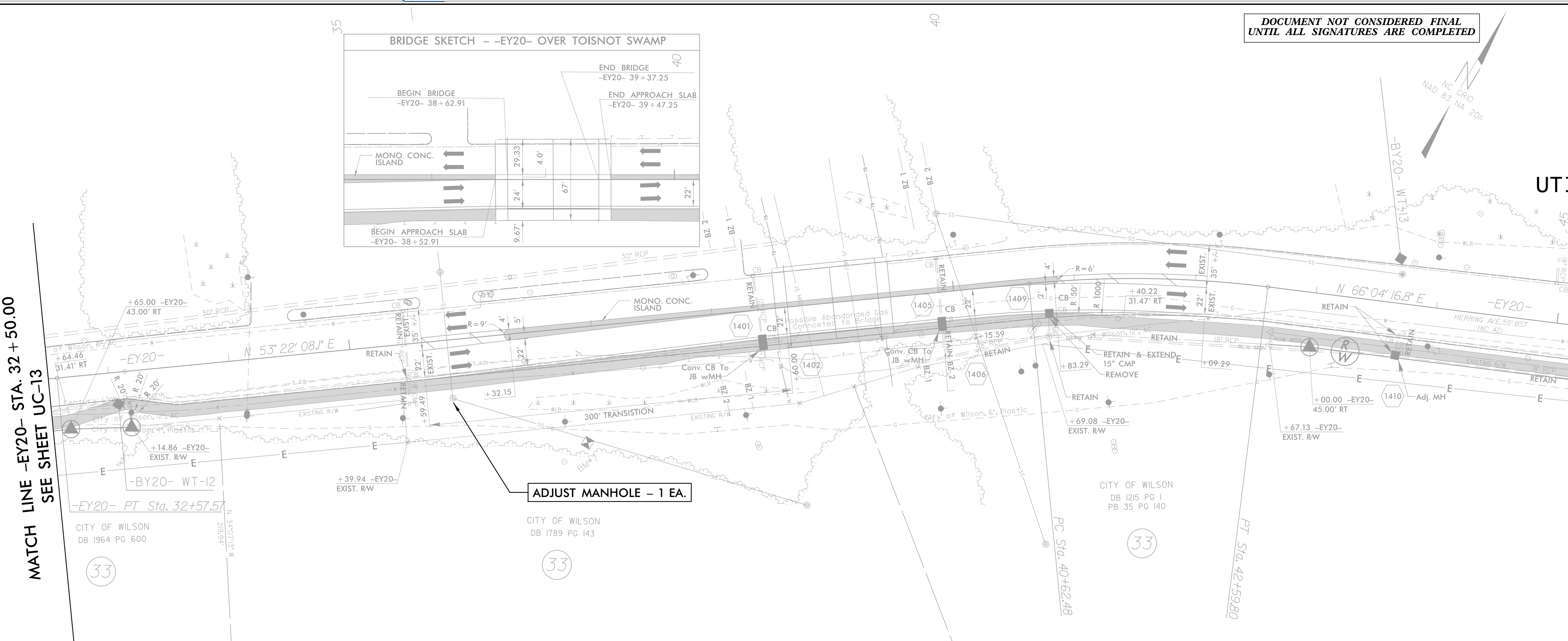
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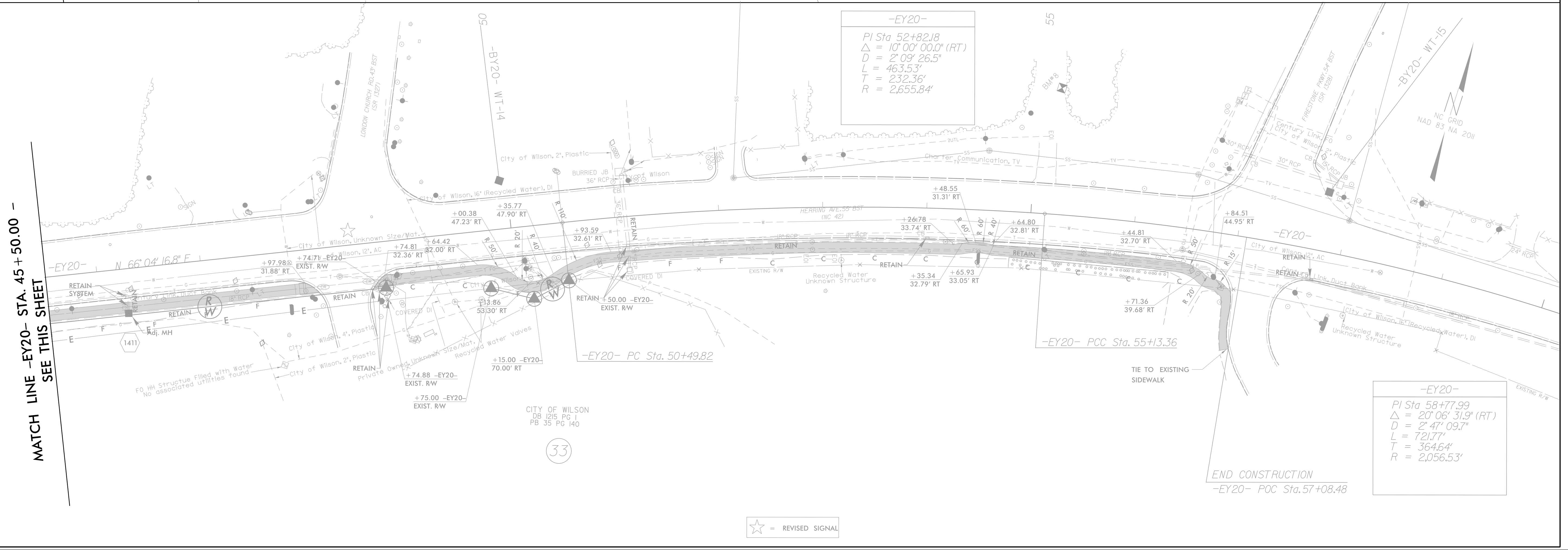
MATCH LINE -EY20- STA. 32 + 50.00
SEE SHEET UC-13

MATCH LINE -EY20- STA. 45 + 50.00 -
SEE THIS SHEET



MATCH LINE -EY20- STA. 45 + 50.00 -
SEE THIS SHEET

END CONSTRUCTION
-EY20- POC Sta. 57+08.48



-EY20-

PI Sta. 52+82.18
$\Delta = 10^{\circ} 00' 00.0''$ (RT)
$D = 2^{\circ} 09' 26.5''$
$L = 463.53'$
$T = 232.36'$
$R = 2,655.84'$

-EY20-

PI Sta. 58+77.99
$\Delta = 20^{\circ} 06' 31.9''$ (RT)
$D = 2^{\circ} 47' 09.7''$
$L = 721.77'$
$T = 364.64'$
$R = 2,056.53'$

★ = REVISED SIGNAL

8/2/2017 12:38 PM U:\5935\UC_SHT_14.dgn
USER: toddbuckner

5/28/19

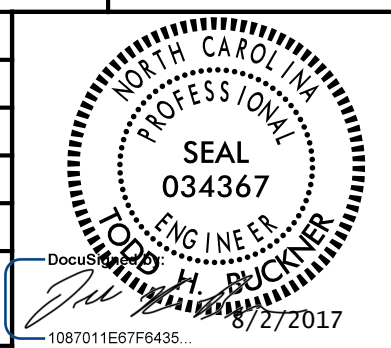
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SHEET NO.
UC-15

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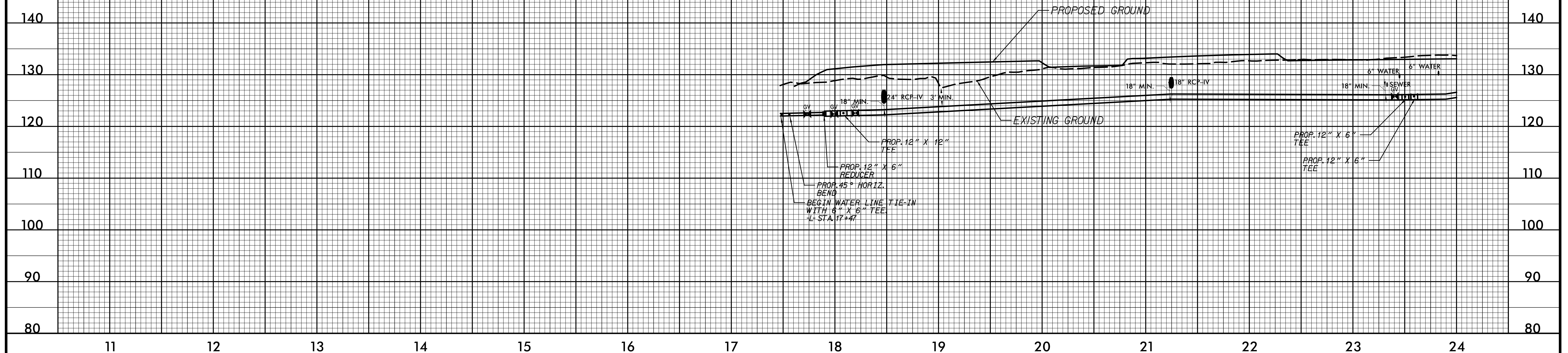
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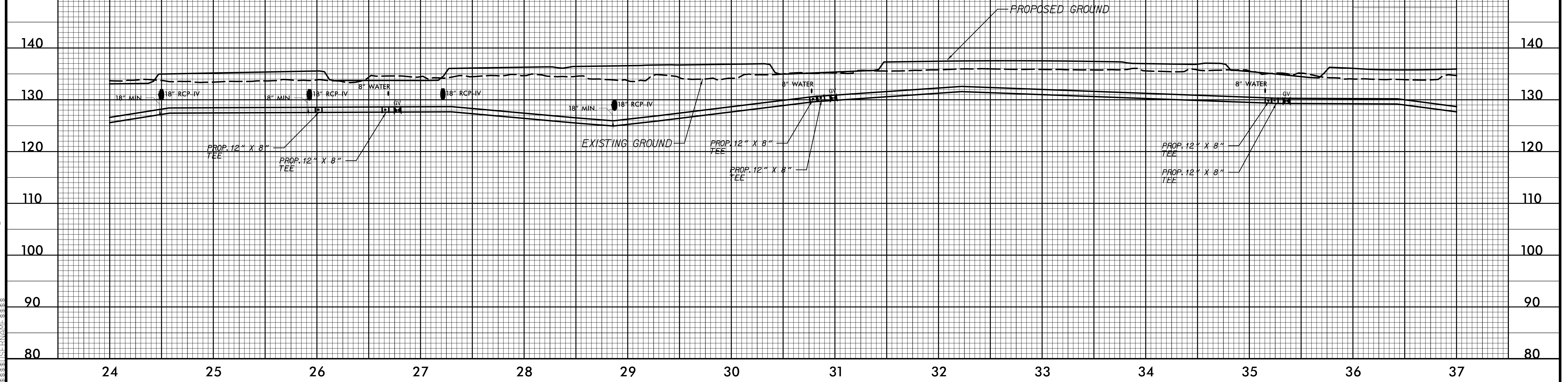
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UTILITY CONSTRUCTION

12" WATER LINE



12" WATER LINE



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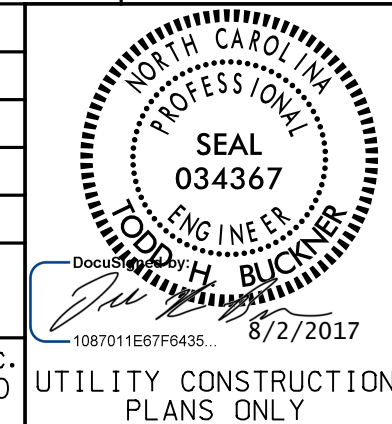
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SHEET NO. UC-16

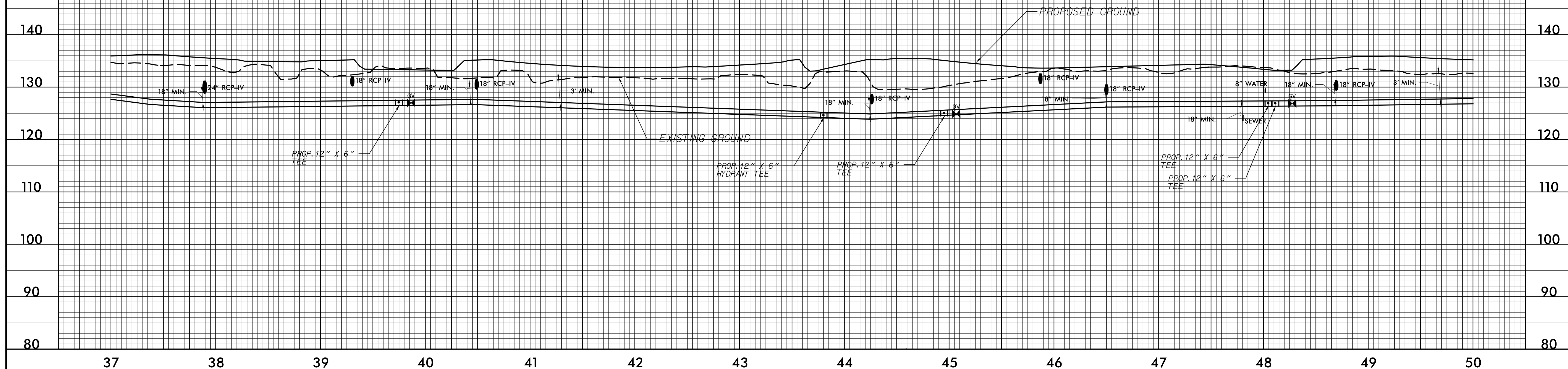
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UTILITY CONSTRUCTION
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12" WATER LINE

UTILITY CONSTRUCTION



12" WATER LINE



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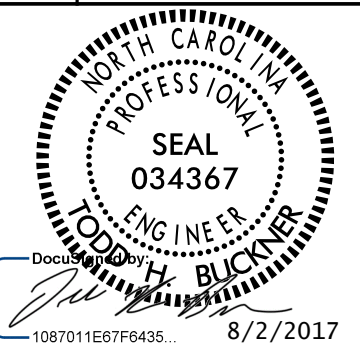
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UC-17

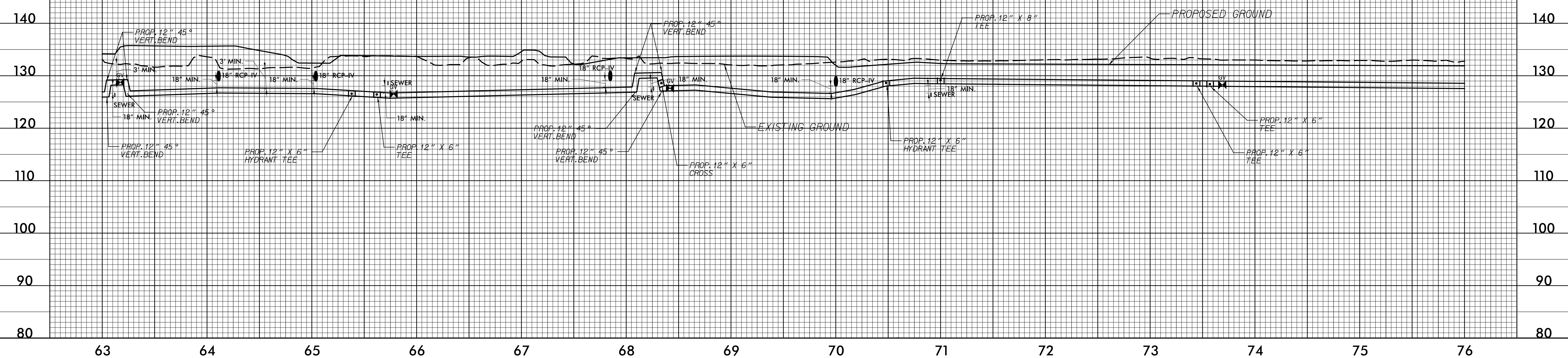
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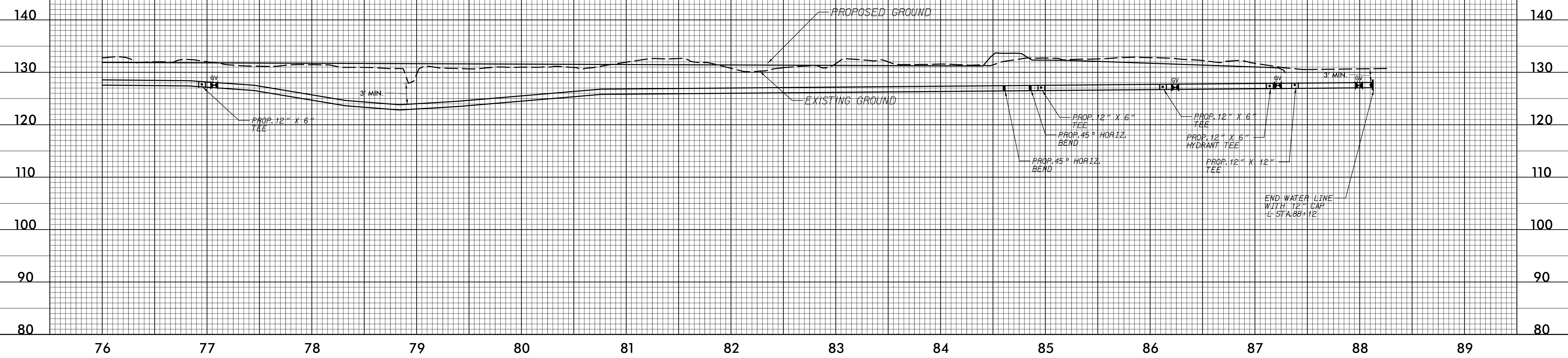
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12" WATER LINE

UTILITY CONSTRUCTION



12" WATER LINE



END WATER LINE
WITH 12" CAP
L-STA. 88+12

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UC-5935_UC_PFL_SHTS.dgn
TODD H. BUCKNER

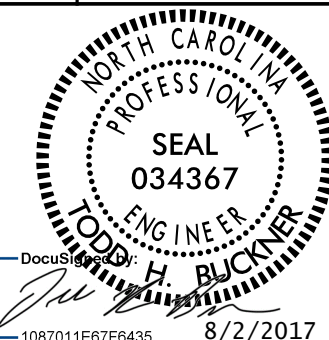
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PROJECT REFERENCE NO. U-5935 SHEET NO. UC-18

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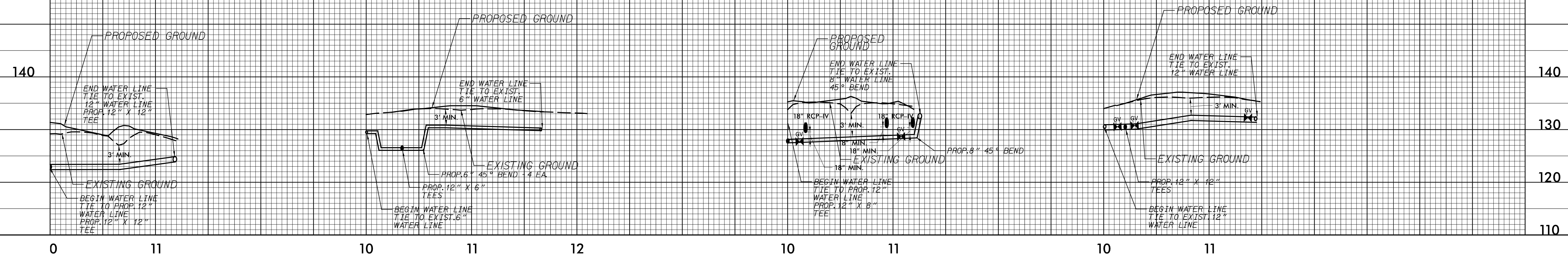
UTILITY CONSTRUCTION PLANS ONLY

12" WATER LINE
-L- STA. 17+97

6" WATER LINE
-L- STA. 23+30

8" WATER LINE
-L- STA. 26+01

12" WATER LINE
-L- STA. 30+61



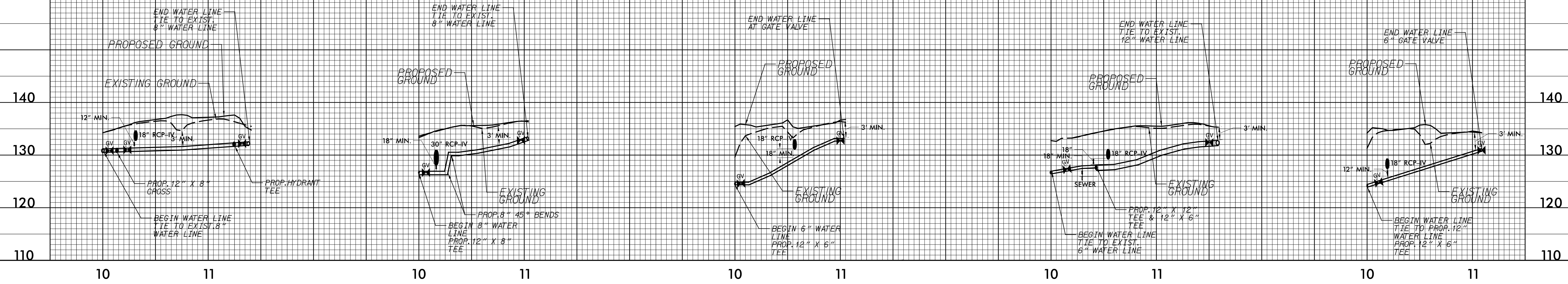
8" WATER LINE
-L- STA. 35+08

8" WATER LINE
-L- STA. 39+80

6" WATER LINE
-L- STA. 44+95

6" & 12" WATER LINE
-L- STA. 47+94

6" WATER LINE
-L- STA. 54+00



DC AUG 2017 13:28 UC-18-UC-PFL-SHTS.dgn

5/28/19

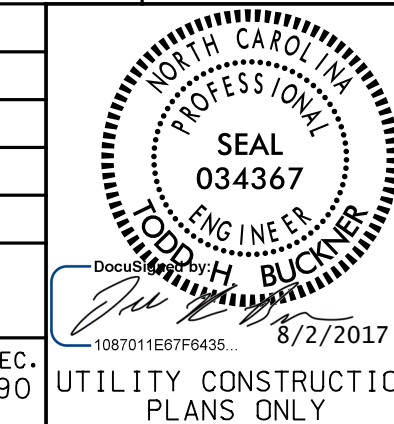
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INTERNATIONAL
5000 Regency Parkway
Suite 100
Raleigh, NC 27616
NC License: P-1084

PROJECT REFERENCE NO.
U-5935

SHEET NO.
UC-19

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REVISED:
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UTILITY CONSTRUCTION
PLANS ONLY

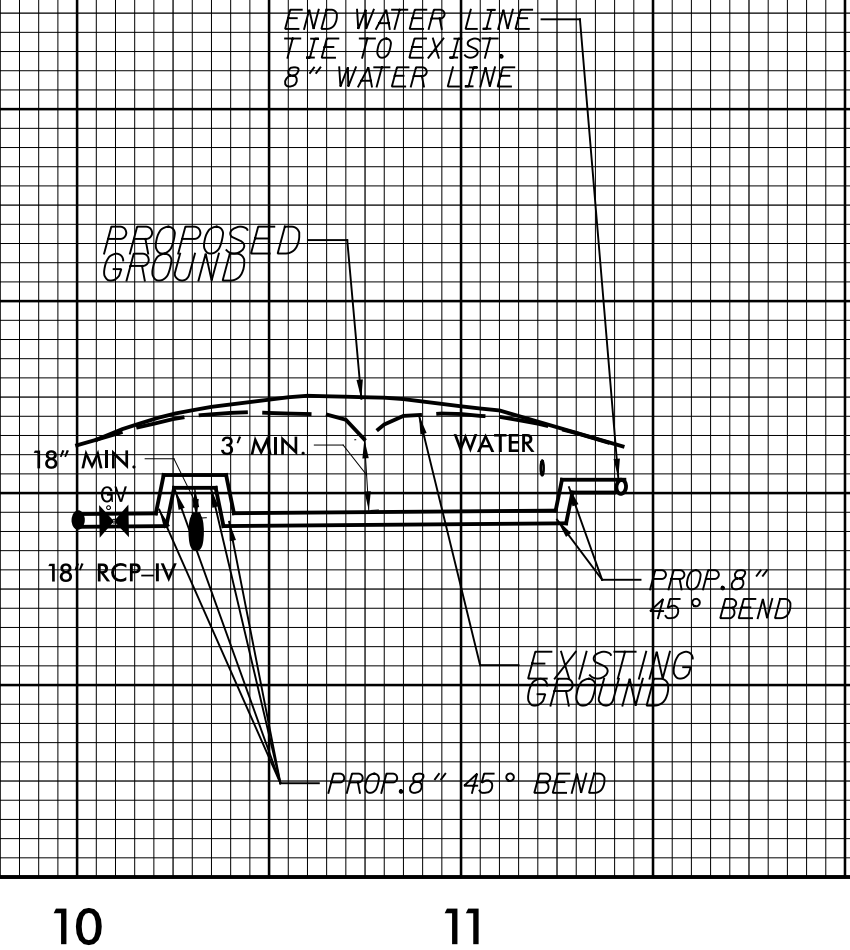
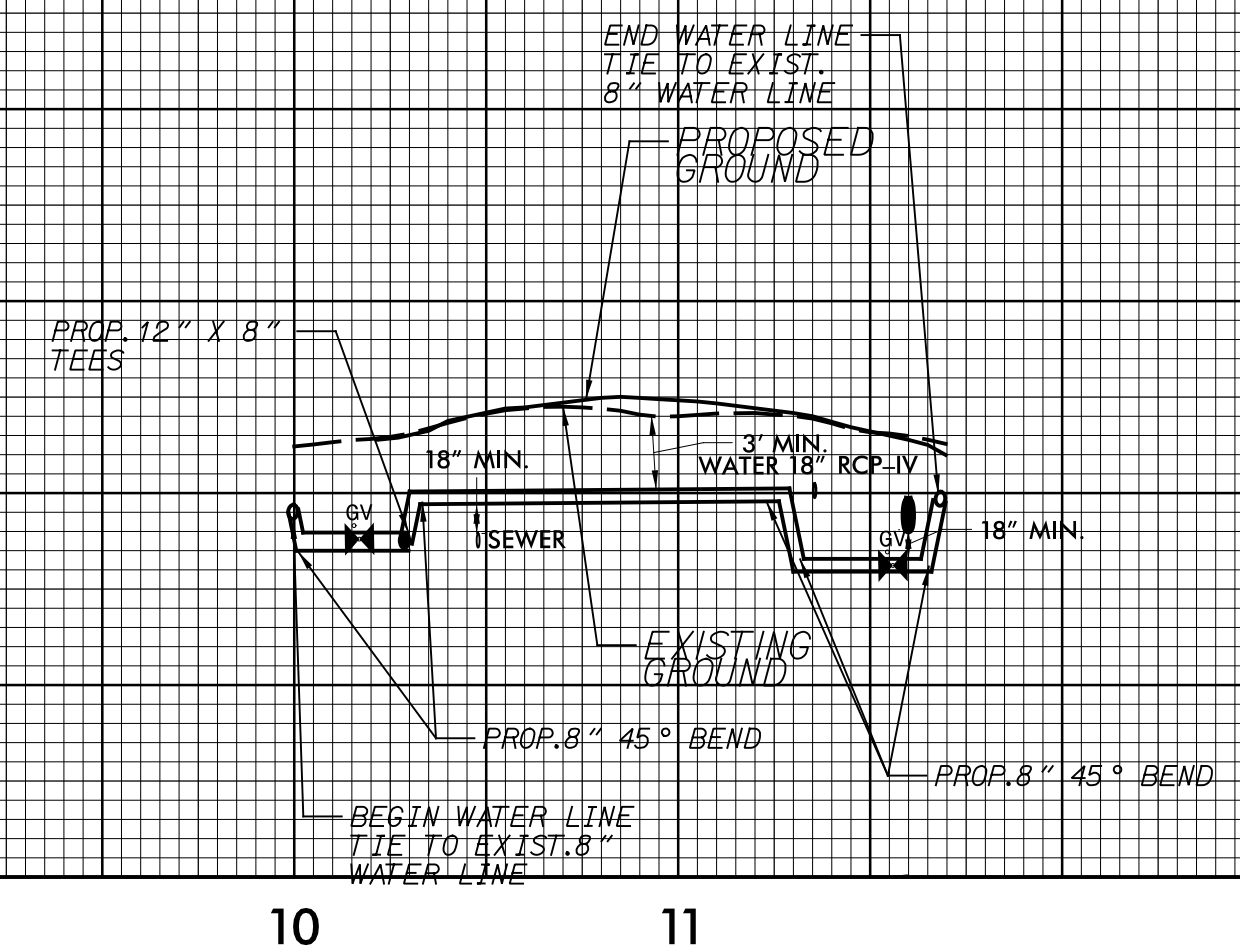
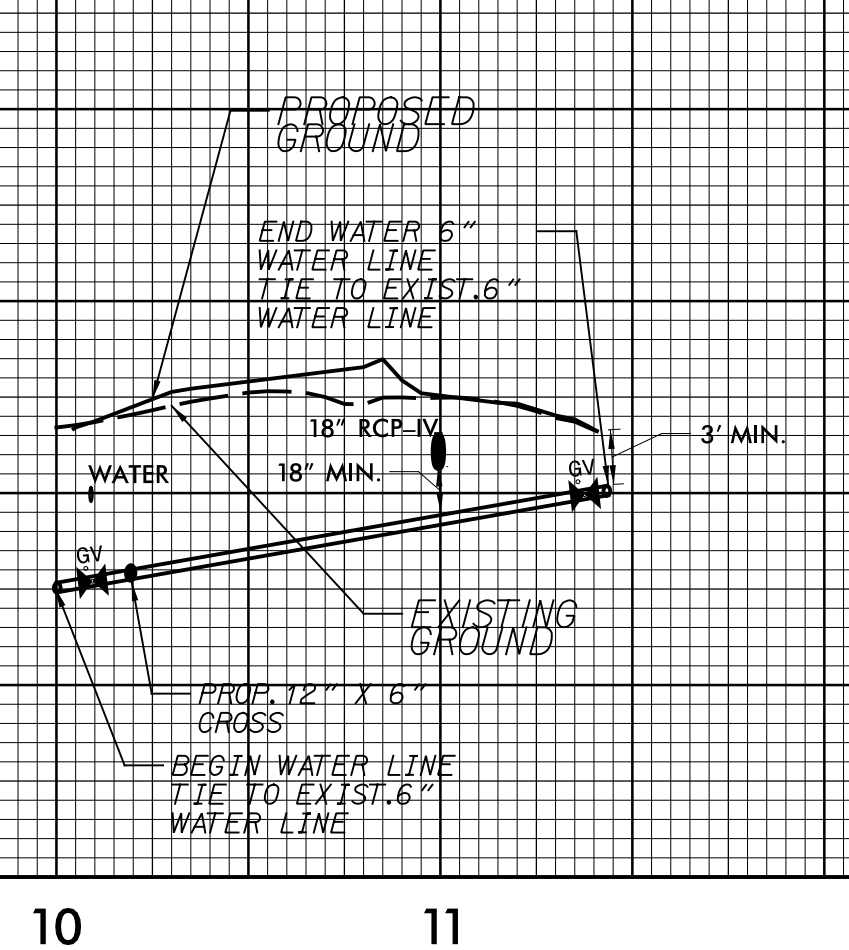
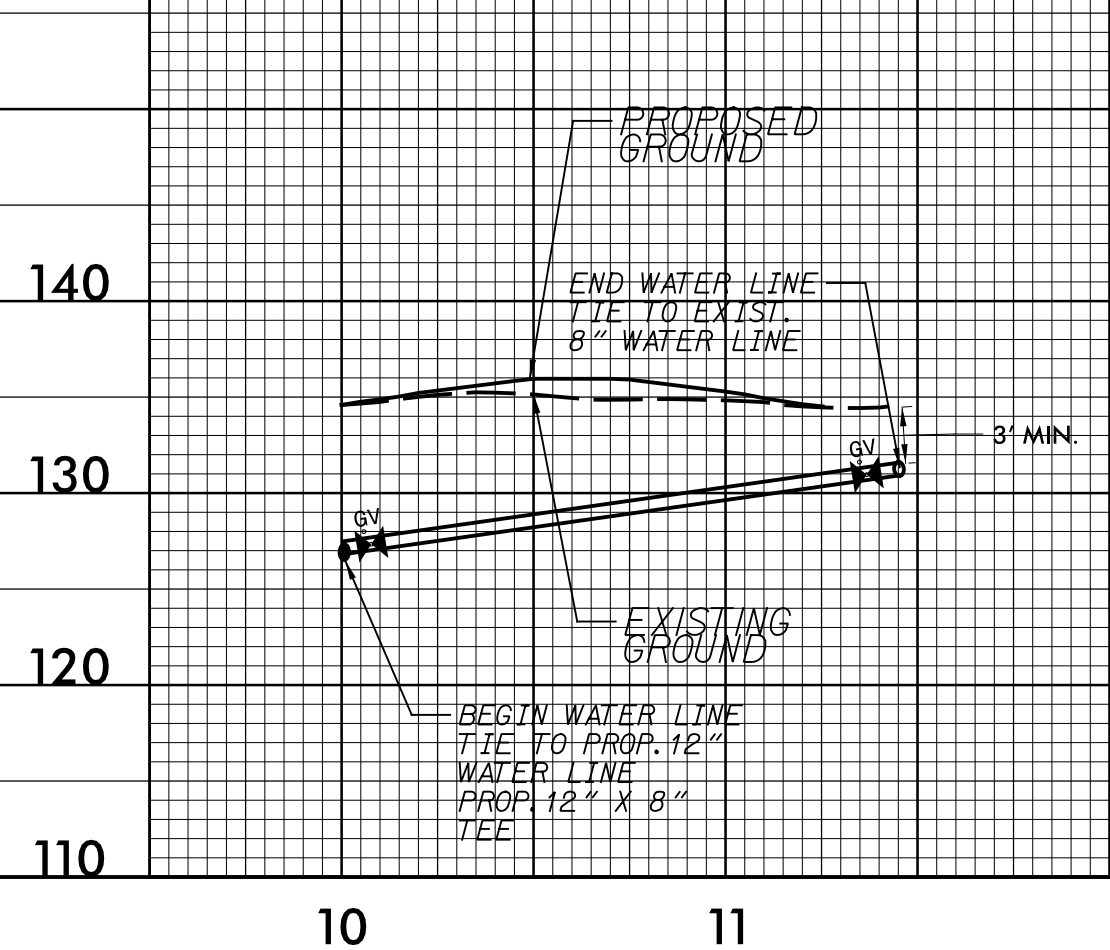
UTILITY CONSTRUCTION

8" WATER LINE
-L- STA. 60+64

6" WATER LINE
-L- STA. 62+98

8" WATER LINE
-L- STA. 68+33

8" WATER LINE
-L- STA. 70+97



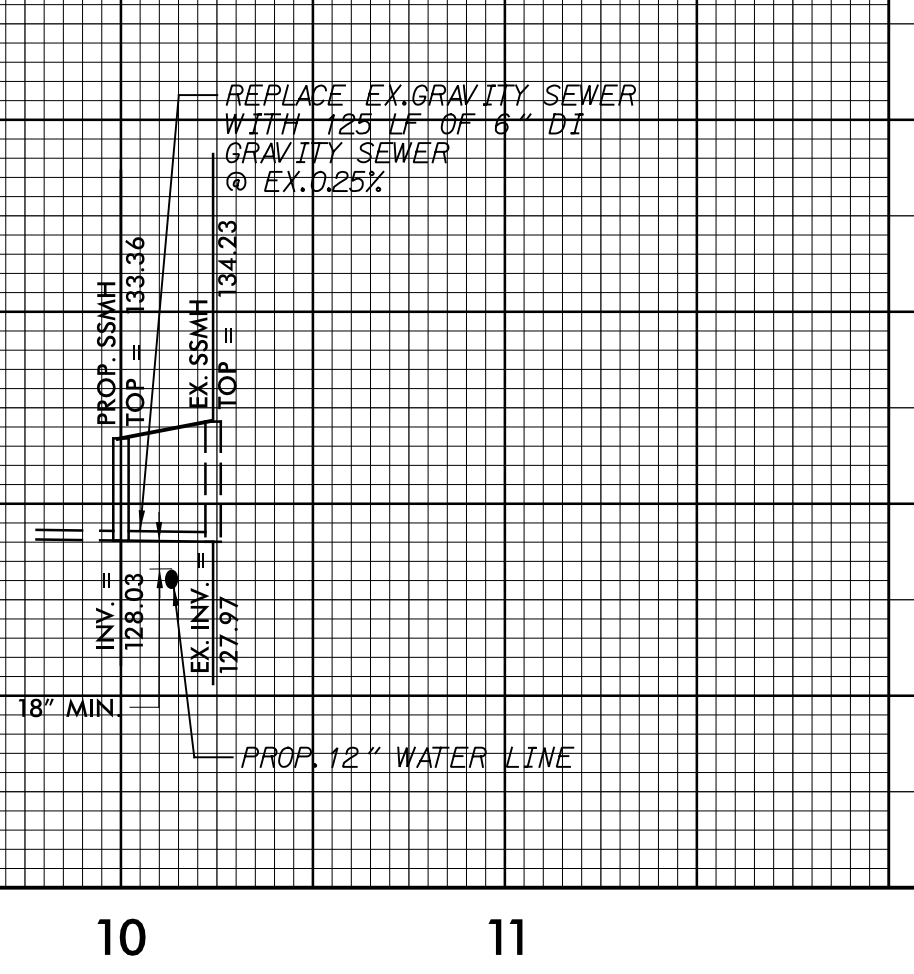
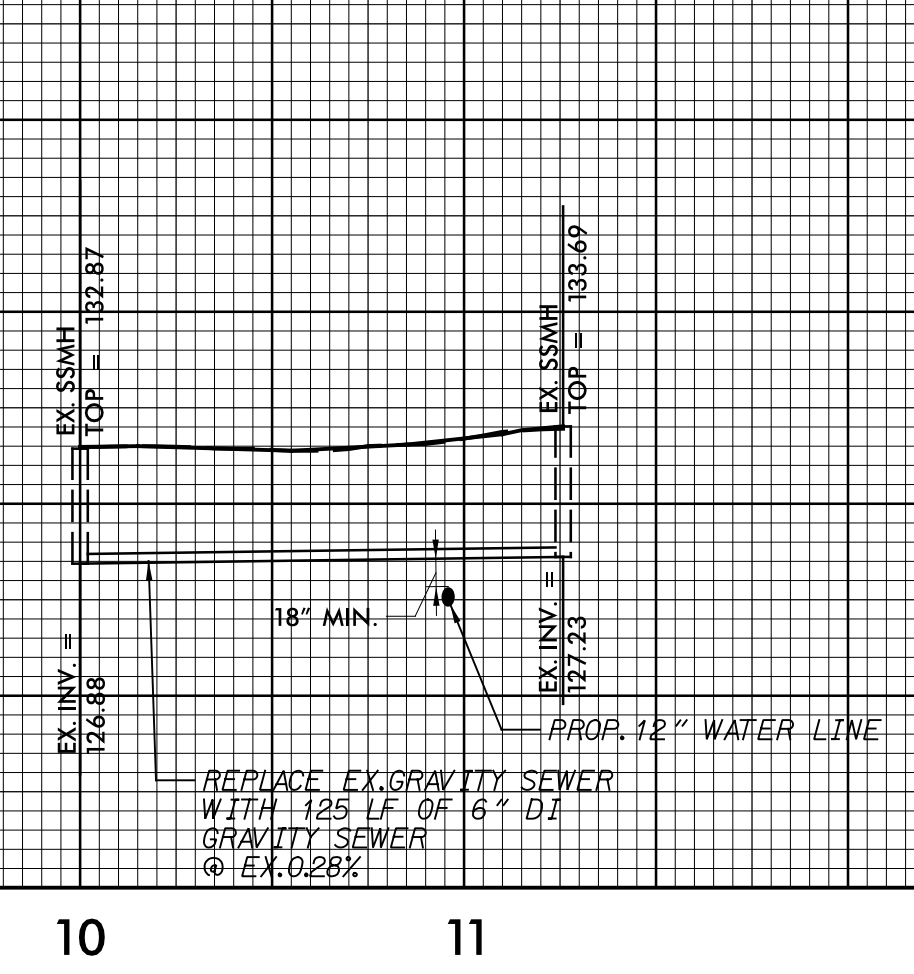
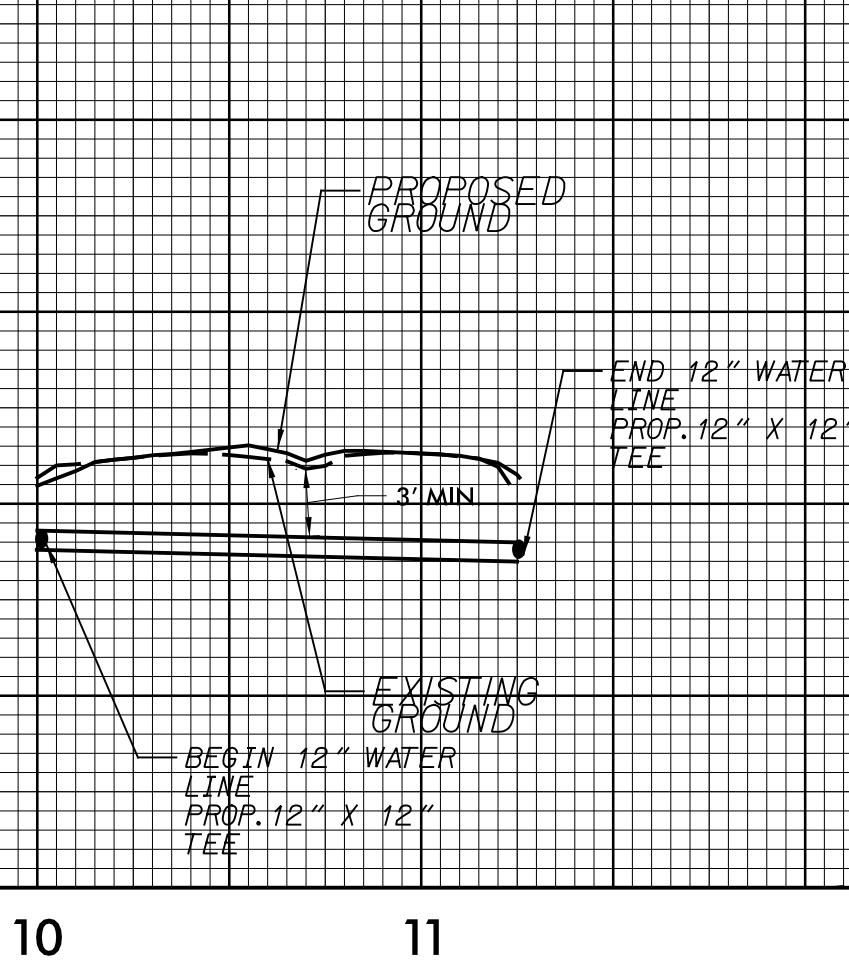
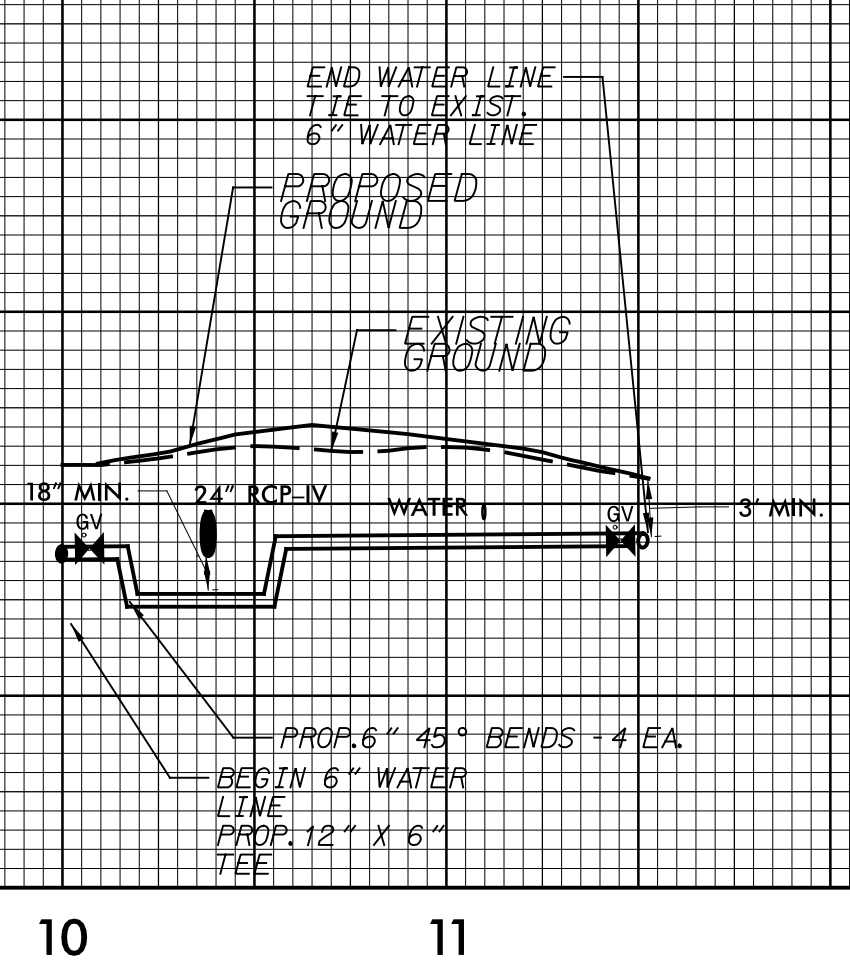
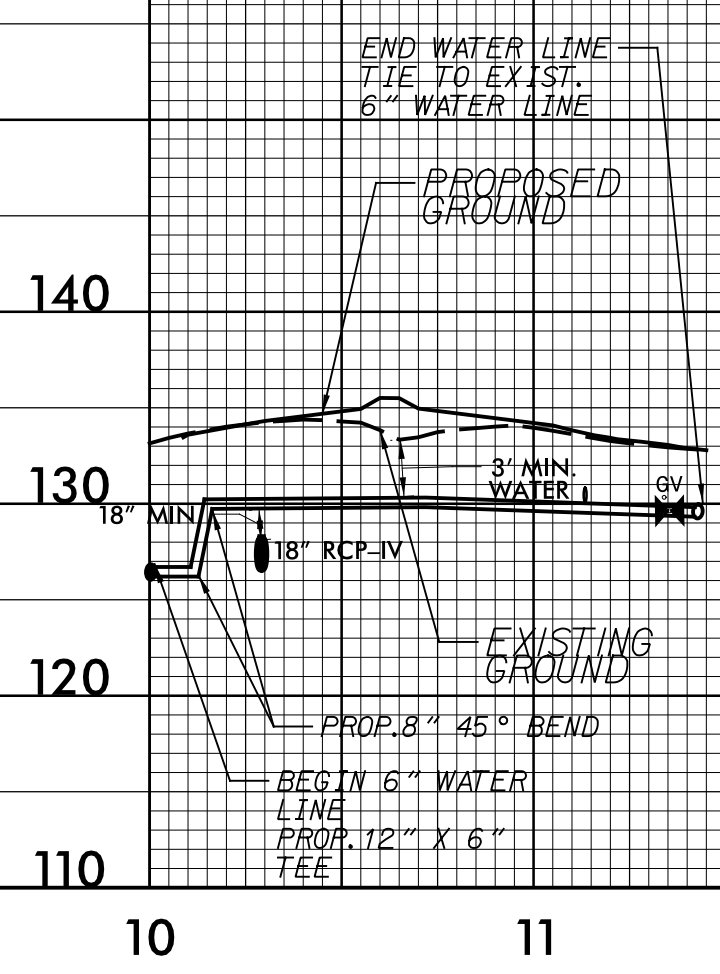
6" WATER LINE
-L- STA. 73+46

6" WATER LINE
-L- STA. 76+97

12" WATER LINE
-L- STA. 87+40

6" GAVITY SEWER
GRAVITY SEWER #1

6" GAVITY SEWER
GRAVITY SEWER #2



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