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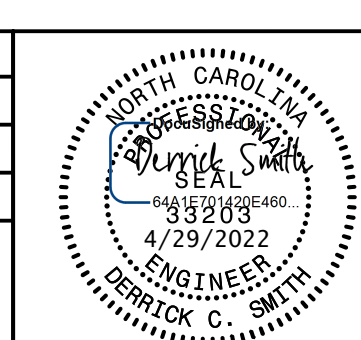
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PREPARED IN THE OFFICE OF:



**THE WOOTEN COMPANY**  
303 West 14th Street, Greensboro, NC 27604  
252.732.1000 Fax: 252.732.1021  
License Number: 1-013

PROJECT REFERENCE NO.	R-4705	SHEET NO.	UC-28
DESIGNED BY:	DCS		
DRAWN BY:	TKBTH		
CHECKED BY:	DCS		
APPROVED BY:	DCS		
REVISED:	3-18-2022	<b>NORTH CAROLINA DEPARTMENT OF TRANSPORTATION</b> UTILITIES ENGINEERING SEC. PHONE: (919) 707-6690 FAX: (919) 250-4151	

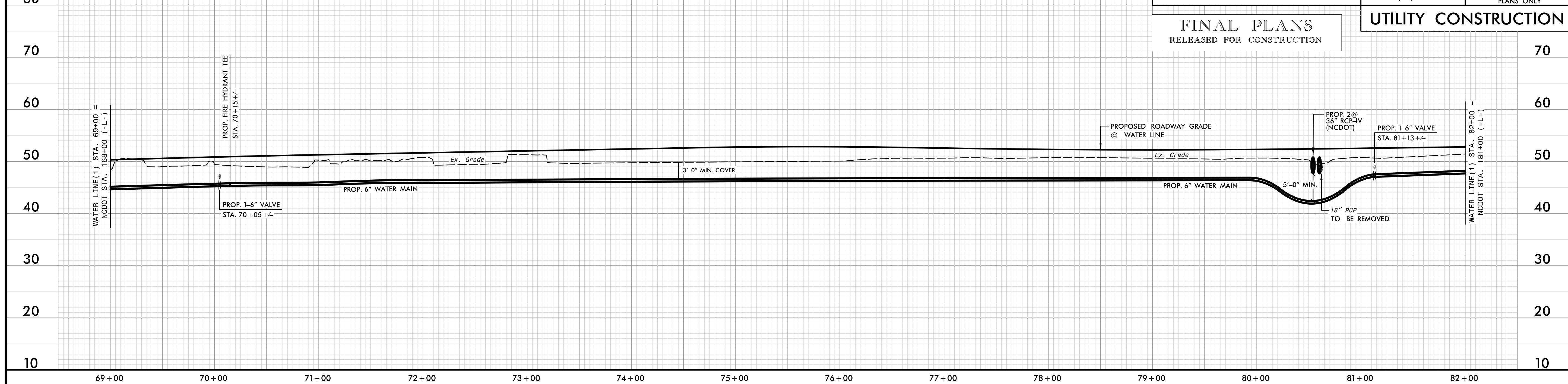
VERTICAL SCALE: 1" = 5'  
HORIZONTAL SCALE: 1" = 25'

WATER LINE CONSTRUCTION SHOWN ON THIS SHEET

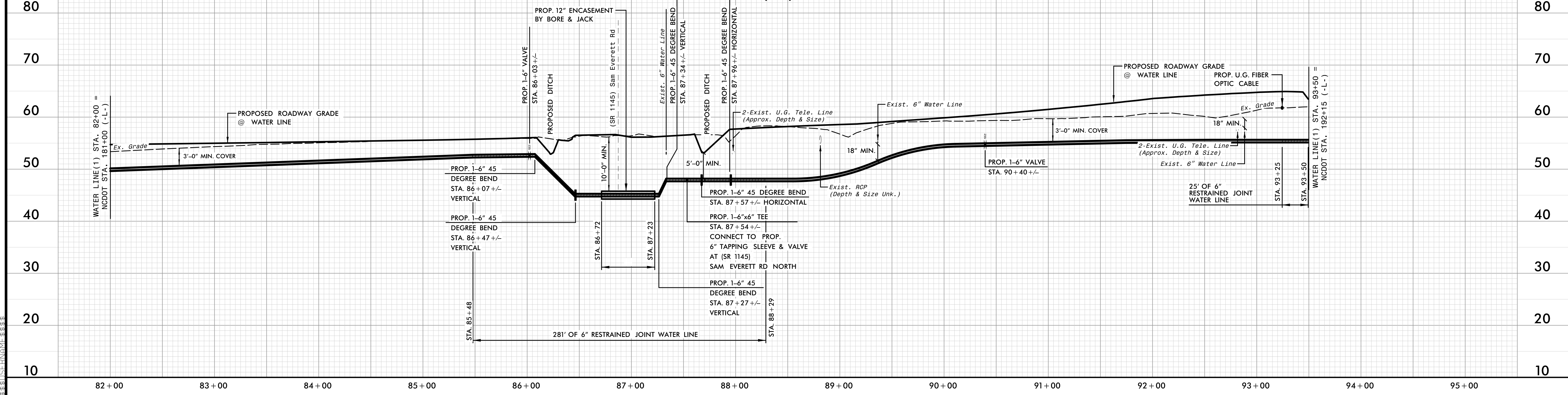
FINAL PLANS  
RELEASED FOR CONSTRUCTION

UTILITY CONSTRUCTION

PROFILE SHOWN IS BASED ON STATIONING ALONG  
PROPOSED WATER LINE ALIGNMENT ALONG  
ROADWAY ALIGNMENT -L-  
(SEE SHEET UC-10)  
**6" Water Line (1)**



PROFILE SHOWN IS BASED ON STATIONING ALONG  
PROPOSED WATER LINE ALIGNMENT ALONG  
ROADWAY ALIGNMENT -L-  
(SEE SHEET UC-11)  
**6" Water Line (1)**



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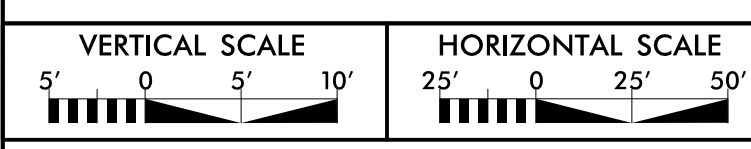




PREPARED IN THE OFFICE OF:



THE WOOTEN COMPANY  
301 West 14th Street, Greenville, NC 27834  
252.732.0096 Fax: 252.732.0221  
License Number: 1-033



WATER LINE CONSTRUCTION SHOWN ON THIS SHEET

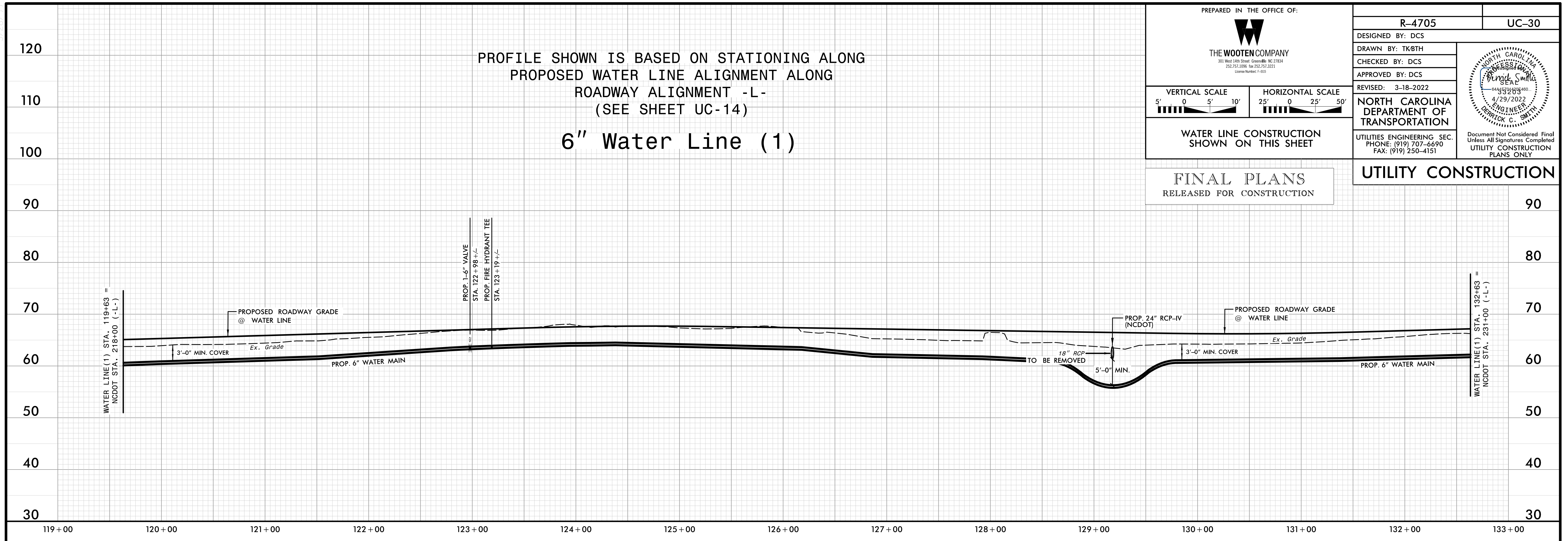
FINAL PLANS  
RELEASED FOR CONSTRUCTION

R-4705		UC-30
DESIGNED BY: DCS		
DRAWN BY: TK8TH		
CHECKED BY: DCS		
APPROVED BY: DCS		
REVISED: 3-18-2022		
NORTH CAROLINA DEPARTMENT OF TRANSPORTATION		
UTILITIES ENGINEERING SEC.	Document Not Considered Final Unless All Signatures Completed	
PHONE: (919) 707-6690	UTILITY CONSTRUCTION PLANS ONLY	
FAX: (919) 250-4151		



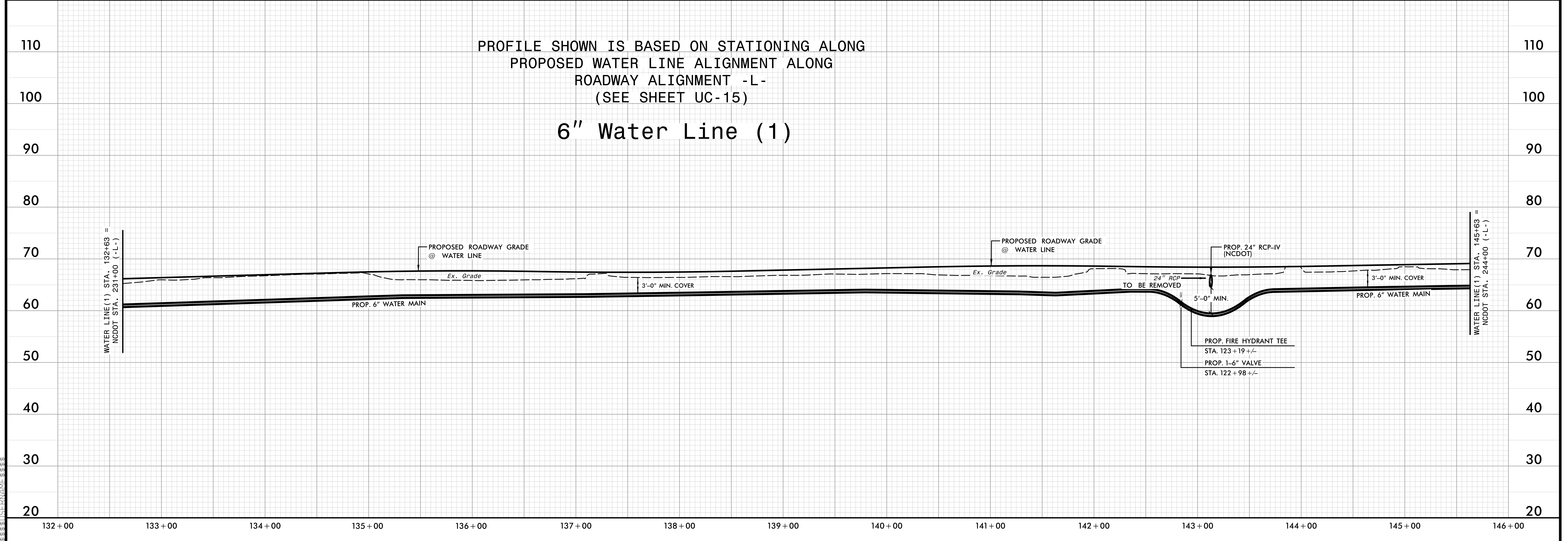
PROFILE SHOWN IS BASED ON STATIONING ALONG PROPOSED WATER LINE ALIGNMENT ALONG ROADWAY ALIGNMENT -L- (SEE SHEET UC-14)

### 6" Water Line (1)



PROFILE SHOWN IS BASED ON STATIONING ALONG PROPOSED WATER LINE ALIGNMENT ALONG ROADWAY ALIGNMENT -L- (SEE SHEET UC-15)

### 6" Water Line (1)



DATE PLOTTED: 4/29/2022 10:58:58 AM



PREPARED IN THE OFFICE OF:



THE WOOTEN COMPANY  
301 West 14th Street, Greensboro, NC 27404  
252.732.4000 Fax: 252.732.3323  
License Number: 1-403

PROJECT REFERENCE NO.

R-4705

SHEET NO.

UC-31

DESIGNED BY: DCS

DRAWN BY: TK8TH

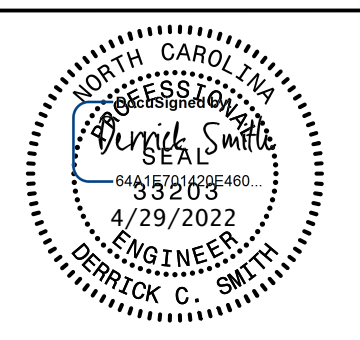
CHECKED BY: DCS

APPROVED BY: DCS

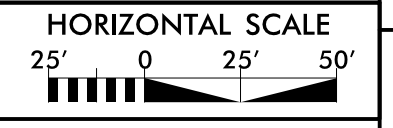
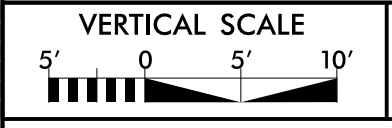
REVISED: 3-18-2022

NORTH CAROLINA  
DEPARTMENT OF  
TRANSPORTATION

UTILITIES ENGINEERING SEC.  
PHONE: (919) 707-6690  
FAX: (919) 250-4151



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PLANS ONLY



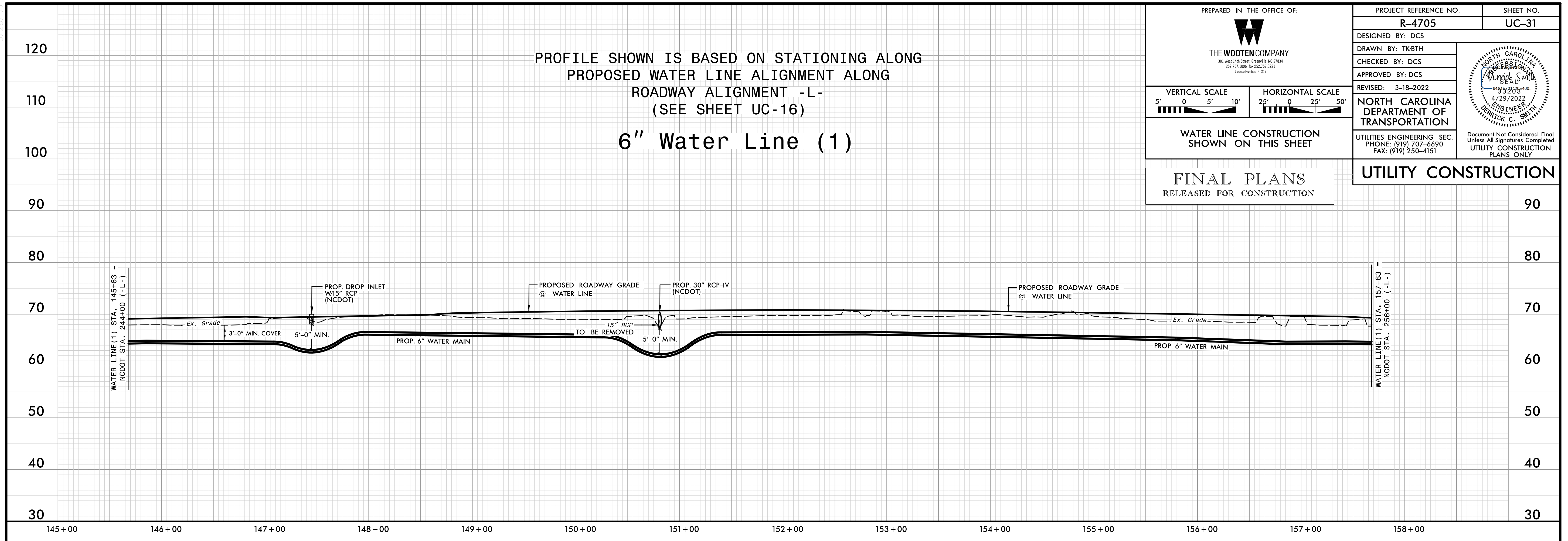
WATER LINE CONSTRUCTION  
SHOWN ON THIS SHEET

FINAL PLANS  
RELEASED FOR CONSTRUCTION

UTILITY CONSTRUCTION

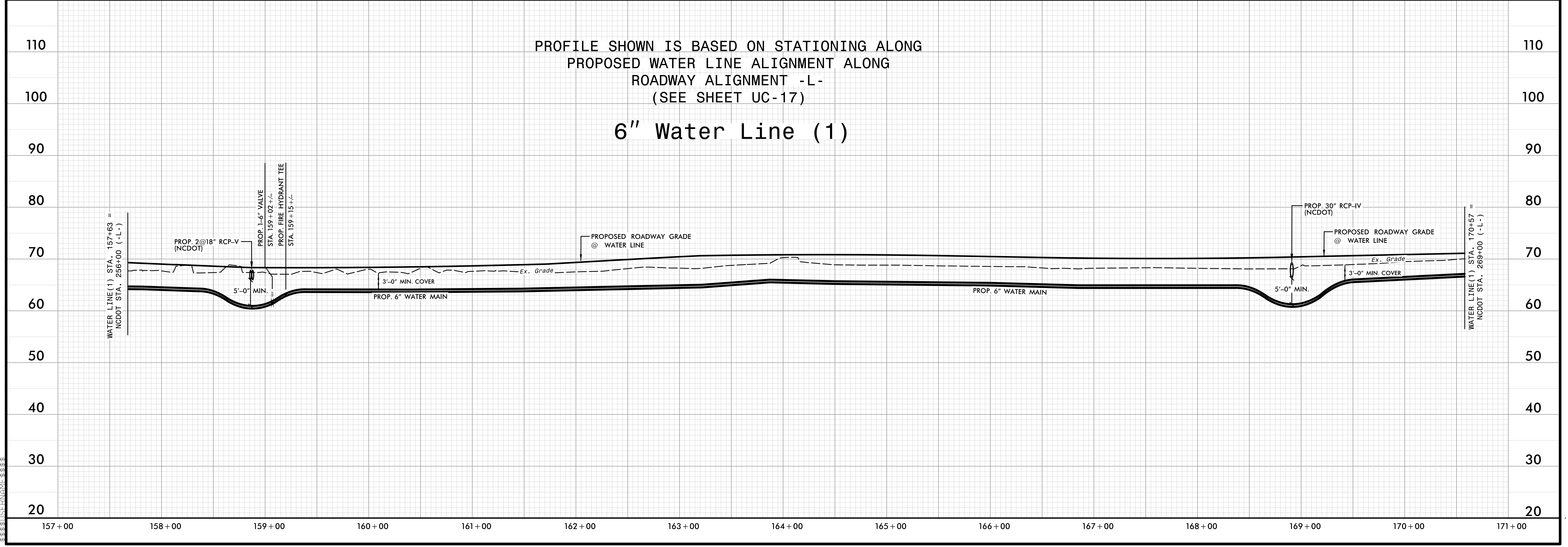
PROFILE SHOWN IS BASED ON STATIONING ALONG  
PROPOSED WATER LINE ALIGNMENT ALONG  
ROADWAY ALIGNMENT -L-  
(SEE SHEET UC-16)

### 6" Water Line (1)



PROFILE SHOWN IS BASED ON STATIONING ALONG  
PROPOSED WATER LINE ALIGNMENT ALONG  
ROADWAY ALIGNMENT -L-  
(SEE SHEET UC-17)

### 6" Water Line (1)



UC-31 (1) of 1

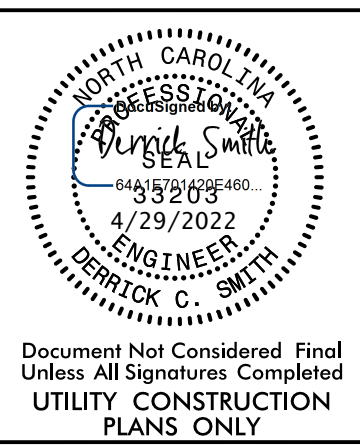
PREPARED IN THE OFFICE OF:



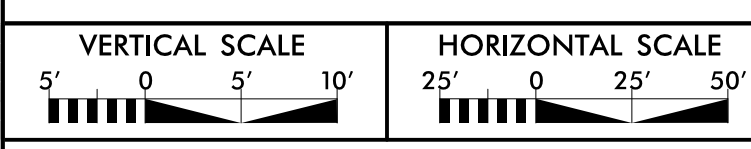
THE WOOTEN COMPANY  
301 West 14th Street, Greensboro, NC 27404  
252.752.1000 Fax: 252.752.1021  
License Number: F-0103

PROJECT REFERENCE NO. R-4705 SHEET NO. UC-32

DESIGNED BY: DCS  
DRAWN BY: TK8TH  
CHECKED BY: DCS  
APPROVED BY: DCS  
REVISED: 3-18-2022  
NORTH CAROLINA DEPARTMENT OF TRANSPORTATION  
UTILITIES ENGINEERING SEC.  
PHONE: (919) 707-6690  
FAX: (919) 250-4151



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UTILITY CONSTRUCTION PLANS ONLY



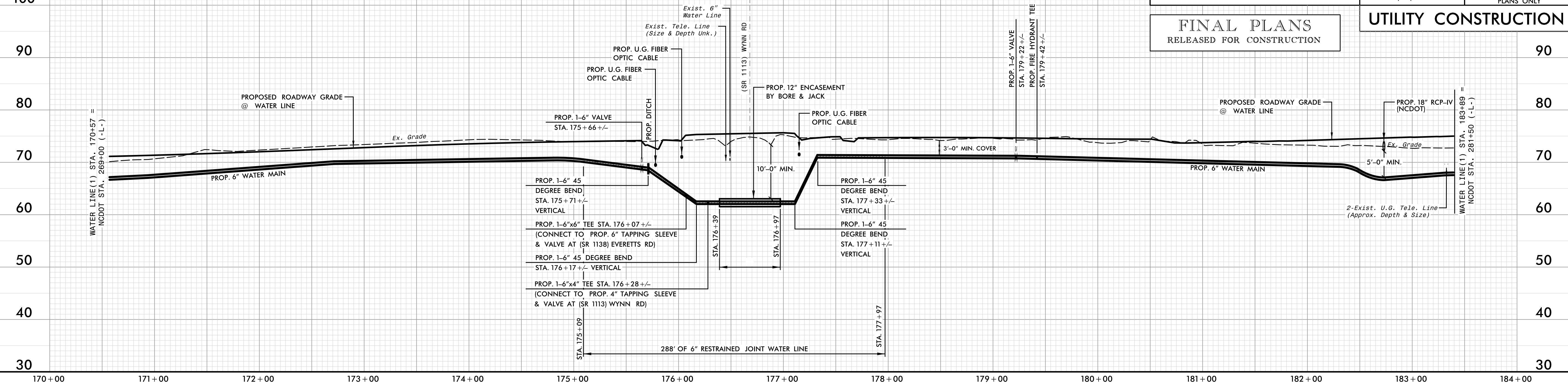
WATER LINE CONSTRUCTION SHOWN ON THIS SHEET

FINAL PLANS  
RELEASED FOR CONSTRUCTION

UTILITY CONSTRUCTION

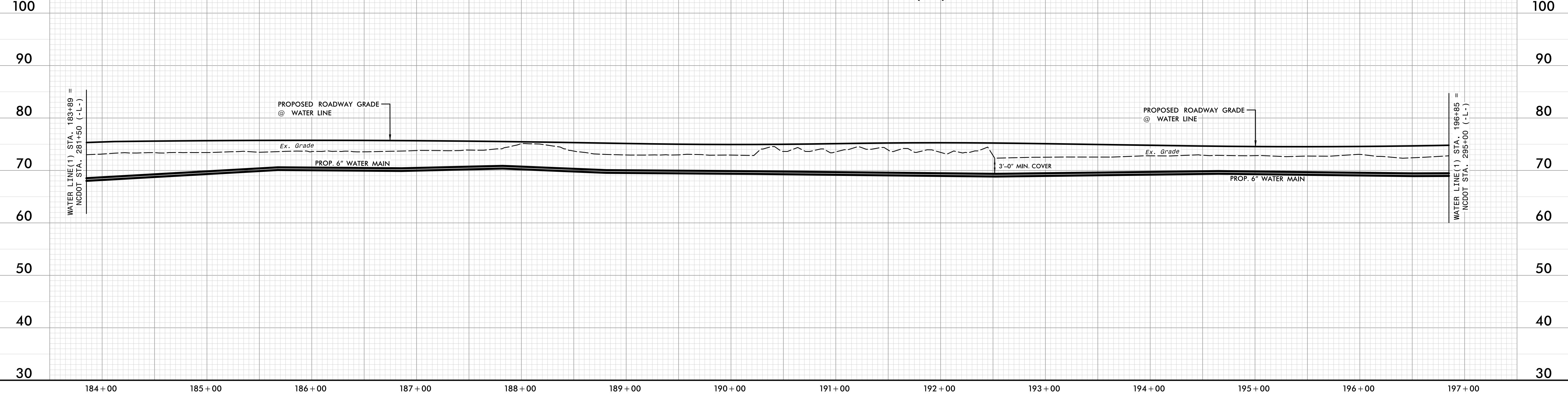
PROFILE SHOWN IS BASED ON STATIONING ALONG PROPOSED WATER LINE ALIGNMENT ALONG ROADWAY ALIGNMENT -L- (SEE SHEET UC-18)

### 6" Water Line (1)



PROFILE SHOWN IS BASED ON STATIONING ALONG PROPOSED WATER LINE ALIGNMENT ALONG ROADWAY ALIGNMENT -L- (SEE SHEET UC-19)

### 6" Water Line (1)



Vertical text on the left margin: 170+00, 171+00, 172+00, 173+00, 174+00, 175+00, 176+00, 177+00, 178+00, 179+00, 180+00, 181+00, 182+00, 183+00, 184+00, 185+00, 186+00, 187+00, 188+00, 189+00, 190+00, 191+00, 192+00, 193+00, 194+00, 195+00, 196+00, 197+00



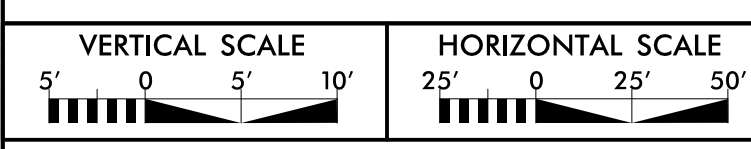
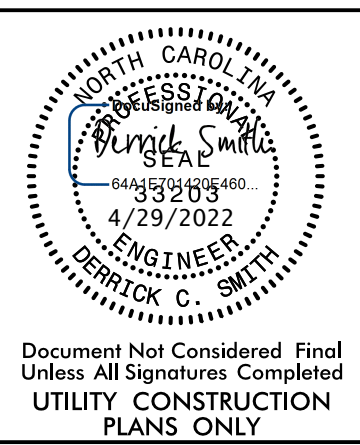
PREPARED IN THE OFFICE OF:



THE WOOTEN COMPANY  
301 Wood 14th Street, Greenville, NC 27834  
252.752.1000 Fax 252.752.3222  
License Number: 1-033

PROJECT REFERENCE NO. R-4705 SHEET NO. UC-33

DESIGNED BY: DCS  
DRAWN BY: TK8TH  
CHECKED BY: DCS  
APPROVED BY: DCS  
REVISED: 3-18-2022  
NORTH CAROLINA DEPARTMENT OF TRANSPORTATION  
UTILITIES ENGINEERING SEC.  
PHONE: (919) 707-6690  
FAX: (919) 250-4151



WATER LINE CONSTRUCTION SHOWN ON THIS SHEET

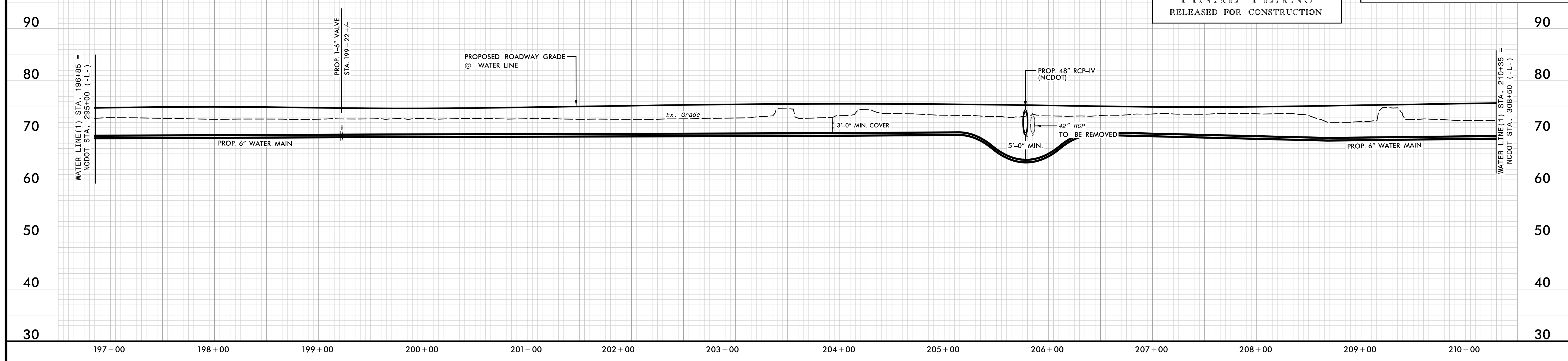
FINAL PLANS  
RELEASED FOR CONSTRUCTION

UTILITY CONSTRUCTION

Document Not Considered Final Unless All Signatures Completed  
UTILITY CONSTRUCTION PLANS ONLY

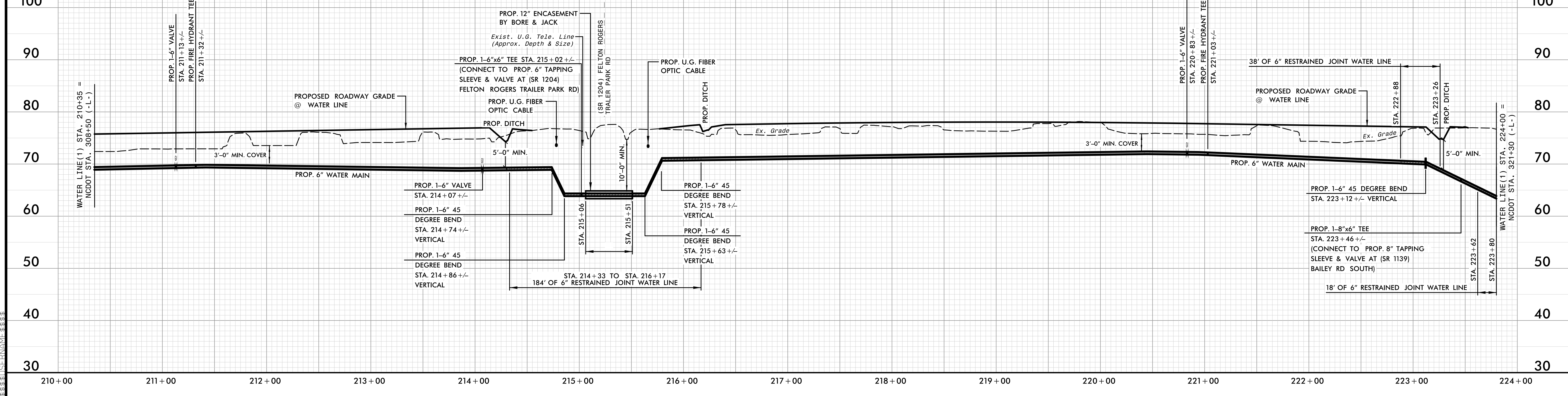
PROFILE SHOWN IS BASED ON STATIONING ALONG PROPOSED WATER LINE ALIGNMENT ALONG ROADWAY ALIGNMENT -L- (SEE SHEET UC-20)

### 6" Water Line (1)



PROFILE SHOWN IS BASED ON STATIONING ALONG PROPOSED WATER LINE ALIGNMENT ALONG ROADWAY ALIGNMENT -L- (SEE SHEET UC-21)

### 6" Water Line (1)



Vertical text on the left margin: 197+00, 198+00, 199+00, 200+00, 201+00, 202+00, 203+00, 204+00, 205+00, 206+00, 207+00, 208+00, 209+00, 210+00, 211+00, 212+00, 213+00, 214+00, 215+00, 216+00, 217+00, 218+00, 219+00, 220+00, 221+00, 222+00, 223+00, 224+00



PREPARED IN THE OFFICE OF:



THE WOOTEN COMPANY  
301 West 14th Street, Greensboro, NC 27404  
252.732.1000 Fax: 252.732.3221  
License Number: 1-013

PROJECT REFERENCE NO.	SHEET NO.
R-4705	UC-34

DESIGNED BY: DCS  
 DRAWN BY: TK8TH  
 CHECKED BY: DCS  
 APPROVED BY: DCS  
 REVISED: 3-18-2022  
**NORTH CAROLINA  
 DEPARTMENT OF  
 TRANSPORTATION**  
 UTILITIES ENGINEERING SEC.  
 PHONE: (919) 707-6690  
 FAX: (919) 250-4151



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UTILITY CONSTRUCTION  
PLANS ONLY

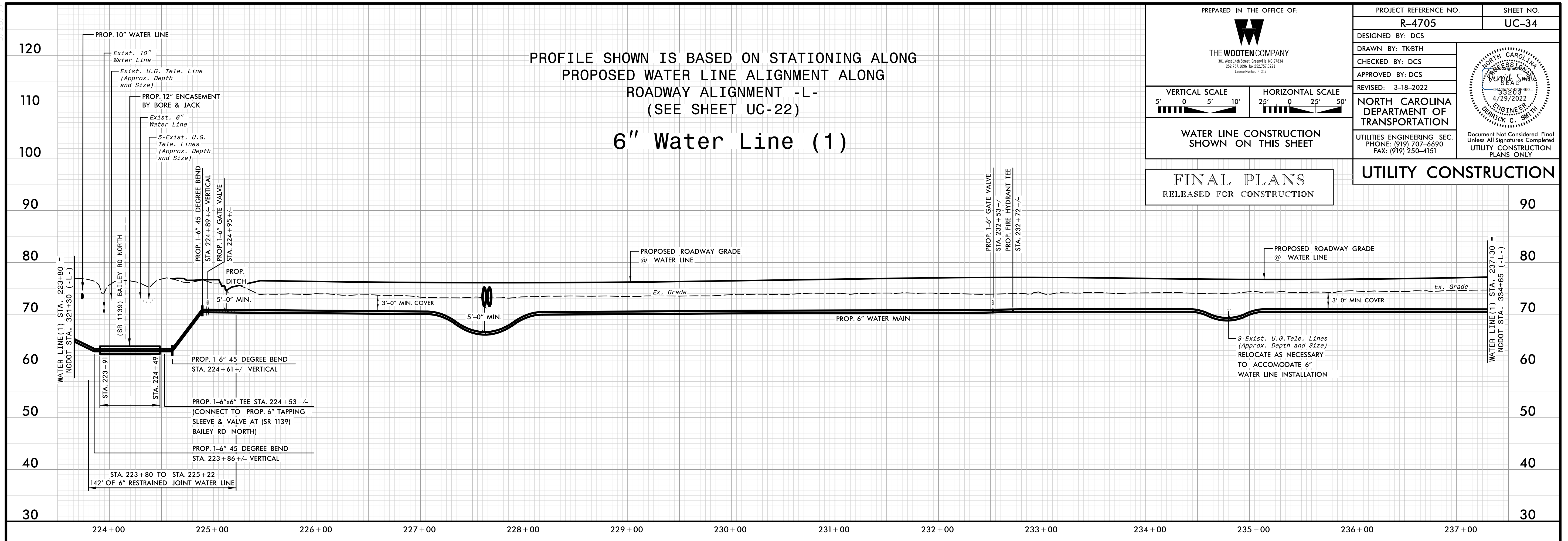


WATER LINE CONSTRUCTION  
SHOWN ON THIS SHEET

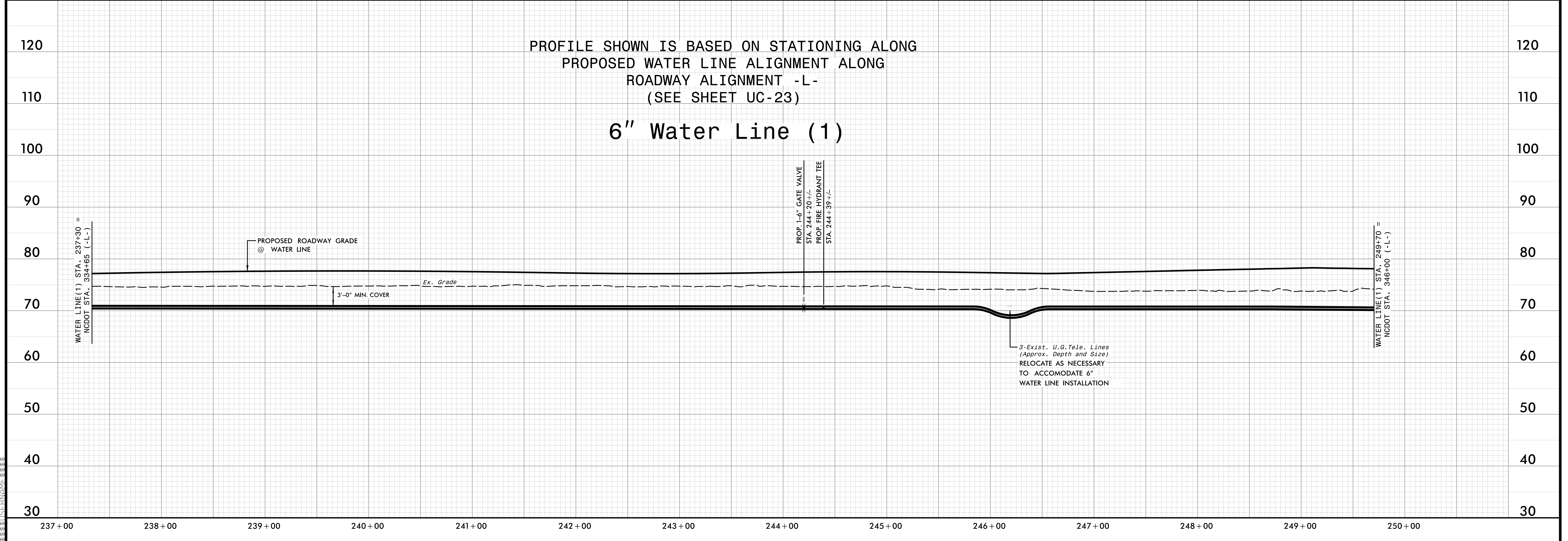
**FINAL PLANS**  
RELEASED FOR CONSTRUCTION

**UTILITY CONSTRUCTION**

PROFILE SHOWN IS BASED ON STATIONING ALONG  
 PROPOSED WATER LINE ALIGNMENT ALONG  
 ROADWAY ALIGNMENT -L-  
 (SEE SHEET UC-22)  
**6" Water Line (1)**



PROFILE SHOWN IS BASED ON STATIONING ALONG  
 PROPOSED WATER LINE ALIGNMENT ALONG  
 ROADWAY ALIGNMENT -L-  
 (SEE SHEET UC-23)  
**6" Water Line (1)**



Vertical text on the left margin, likely a scale or reference label.

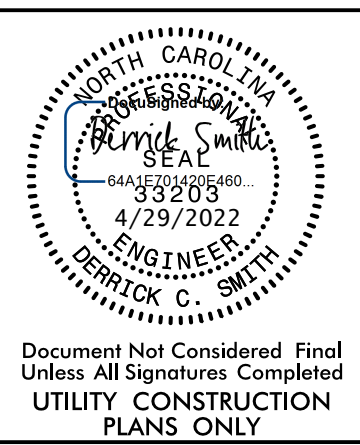
PREPARED IN THE OFFICE OF:



THE WOOTEN COMPANY  
303 West 14th Street, Greenville, NC 27834  
252.752.1000 Fax 252.752.3221  
License Number: F-1033

PROJECT REFERENCE NO. R-4705 SHEET NO. UC-35

DESIGNED BY: DCS  
DRAWN BY: TK8TH  
CHECKED BY: DCS  
APPROVED BY: DCS  
REVISED: 3-18-2022  
NORTH CAROLINA DEPARTMENT OF TRANSPORTATION  
UTILITIES ENGINEERING SEC.  
PHONE: (919) 707-6690  
FAX: (919) 250-4151



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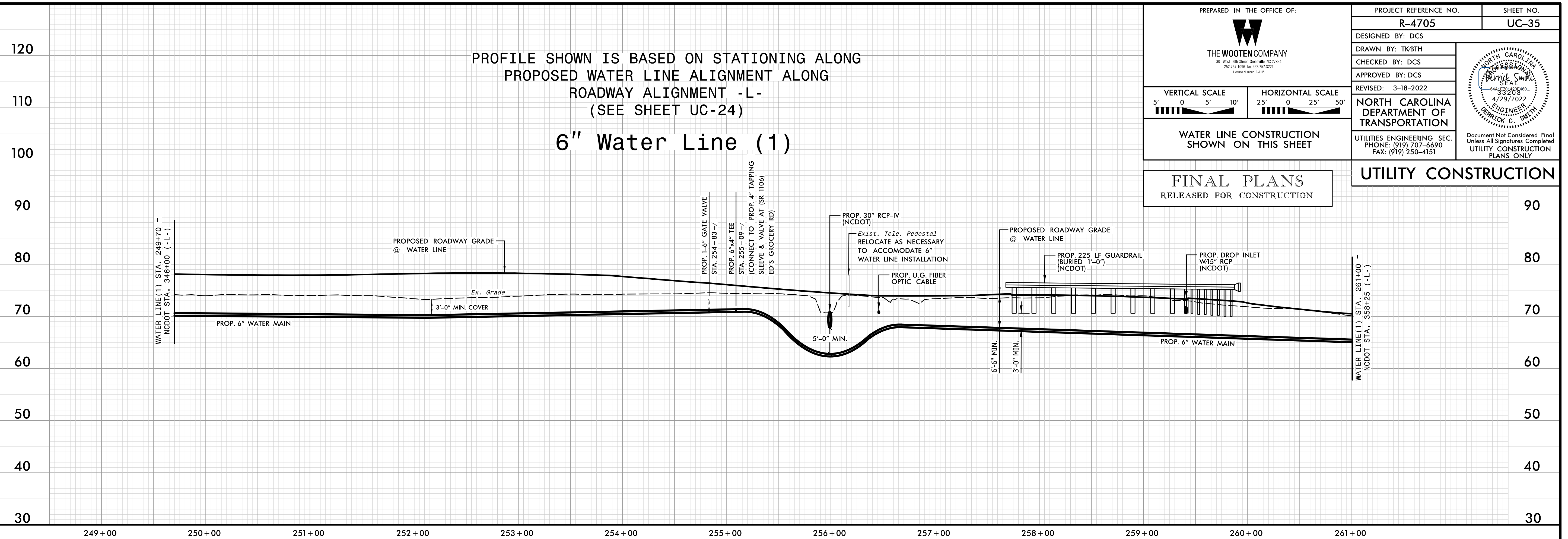
WATER LINE CONSTRUCTION SHOWN ON THIS SHEET

FINAL PLANS  
RELEASED FOR CONSTRUCTION

UTILITY CONSTRUCTION

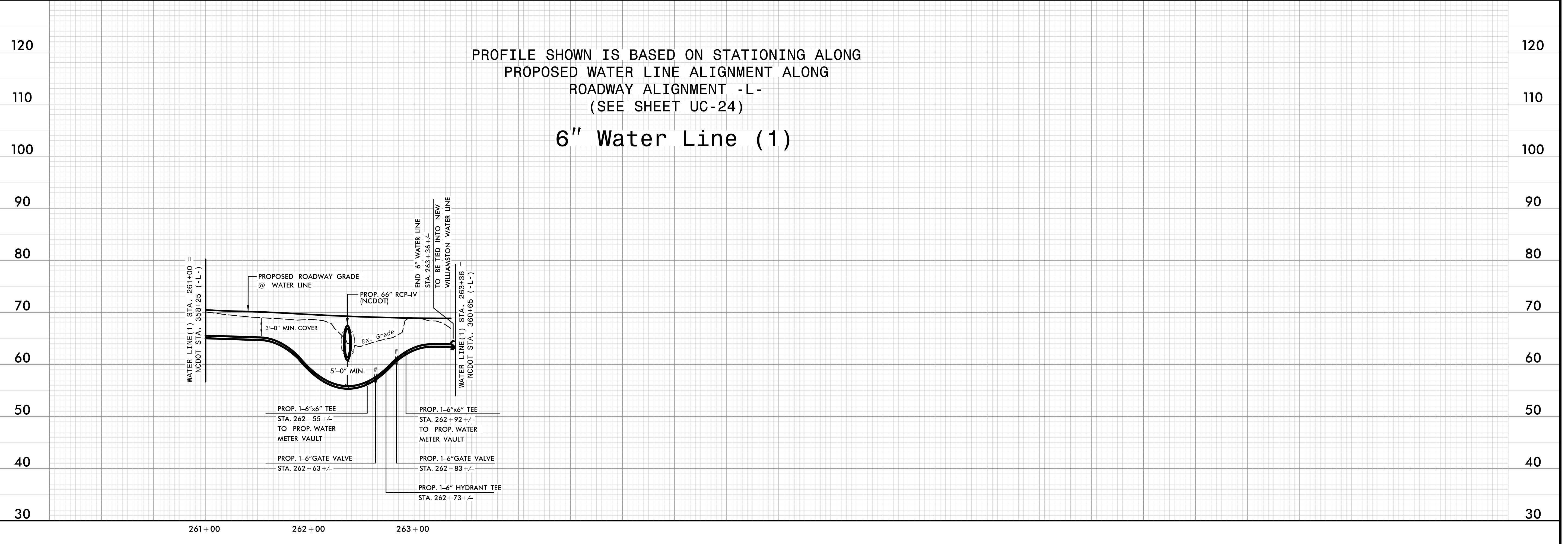
PROFILE SHOWN IS BASED ON STATIONING ALONG PROPOSED WATER LINE ALIGNMENT ALONG ROADWAY ALIGNMENT -L- (SEE SHEET UC-24)

### 6" Water Line (1)



PROFILE SHOWN IS BASED ON STATIONING ALONG PROPOSED WATER LINE ALIGNMENT ALONG ROADWAY ALIGNMENT -L- (SEE SHEET UC-24)

### 6" Water Line (1)



UC-35 (1) of 1  
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UC-35 (98) of 1  
UC-35 (99) of 1  
UC-35 (100) of 1




ALL WATER LINE PIPE FOR EACH PROFILE THIS SHEET TO BE RESTRAINED JOINT

FINAL PLANS  
RELEASED FOR CONSTRUCTION

PROFILE SHOWN IS BASED ON STATIONING ALONG PROPOSED WATER LINE

PREPARED IN THE OFFICE OF:



THE WOOTEN COMPANY  
303 West 14th Street, Greenville, NC 27834  
252.752.0096 Fax: 252.752.9221  
License Number: P-003

PROJECT REFERENCE NO. R-4705 SHEET NO. UC-36

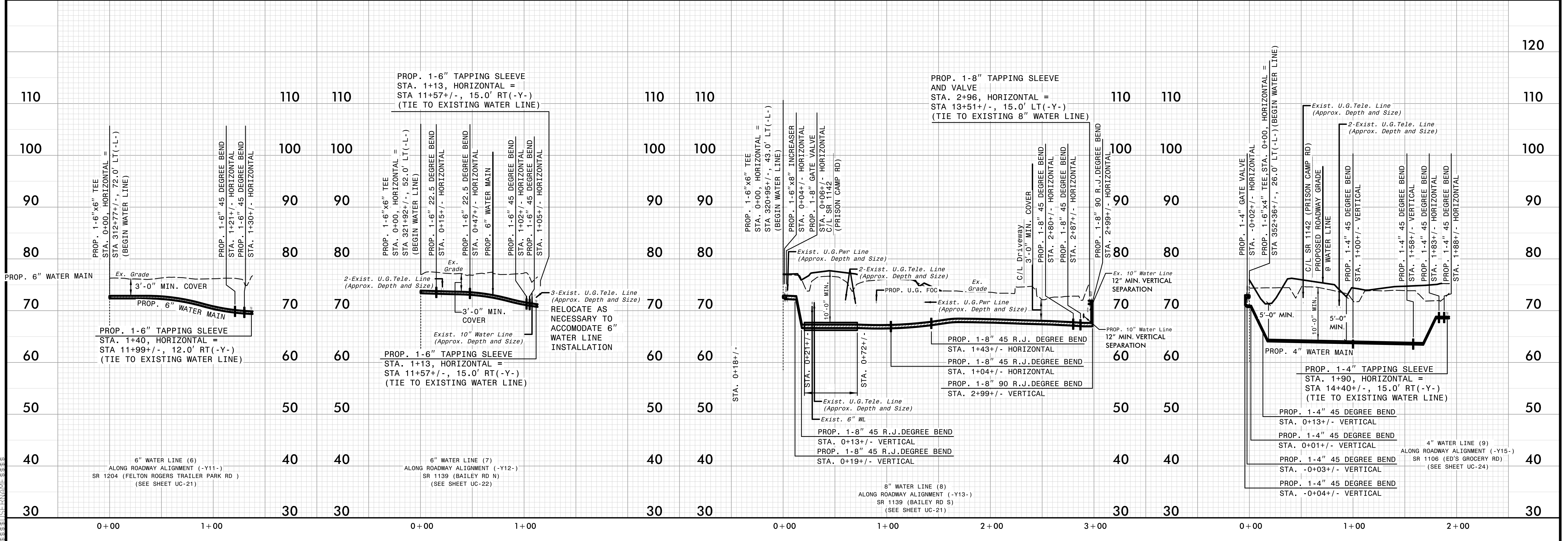
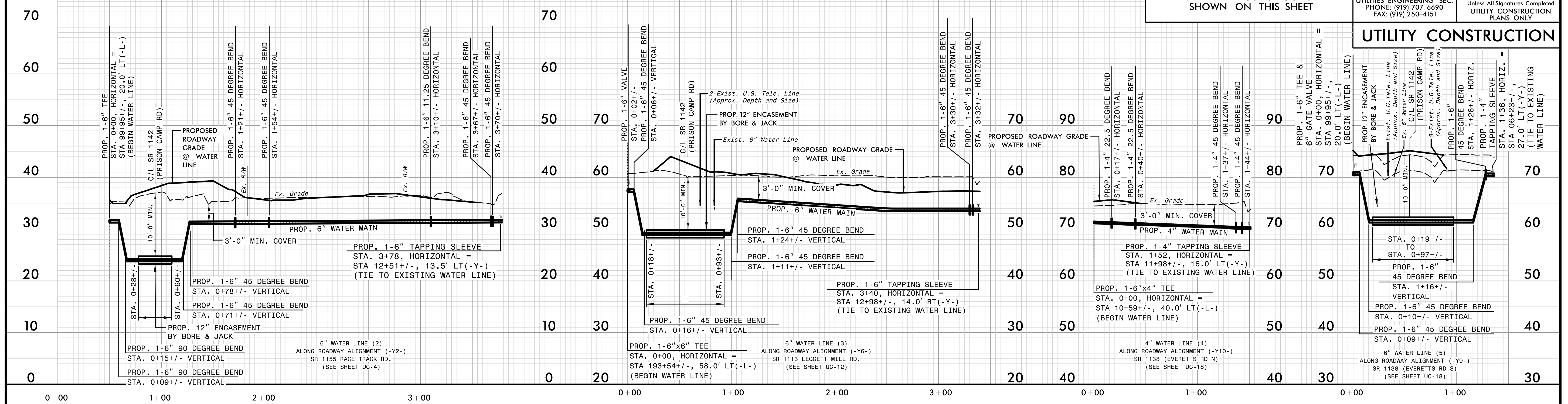
DESIGNED BY: DCS  
DRAWN BY: TK8TH  
CHECKED BY: DCS  
APPROVED BY: DCS  
REVISED: 3-18-2022

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

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UTILITY CONSTRUCTION PLANS ONLY

VERTICAL SCALE 0 5' 10'  
HORIZONTAL SCALE 0 25' 50'

WATER LINE CONSTRUCTION SHOWN ON THIS SHEET



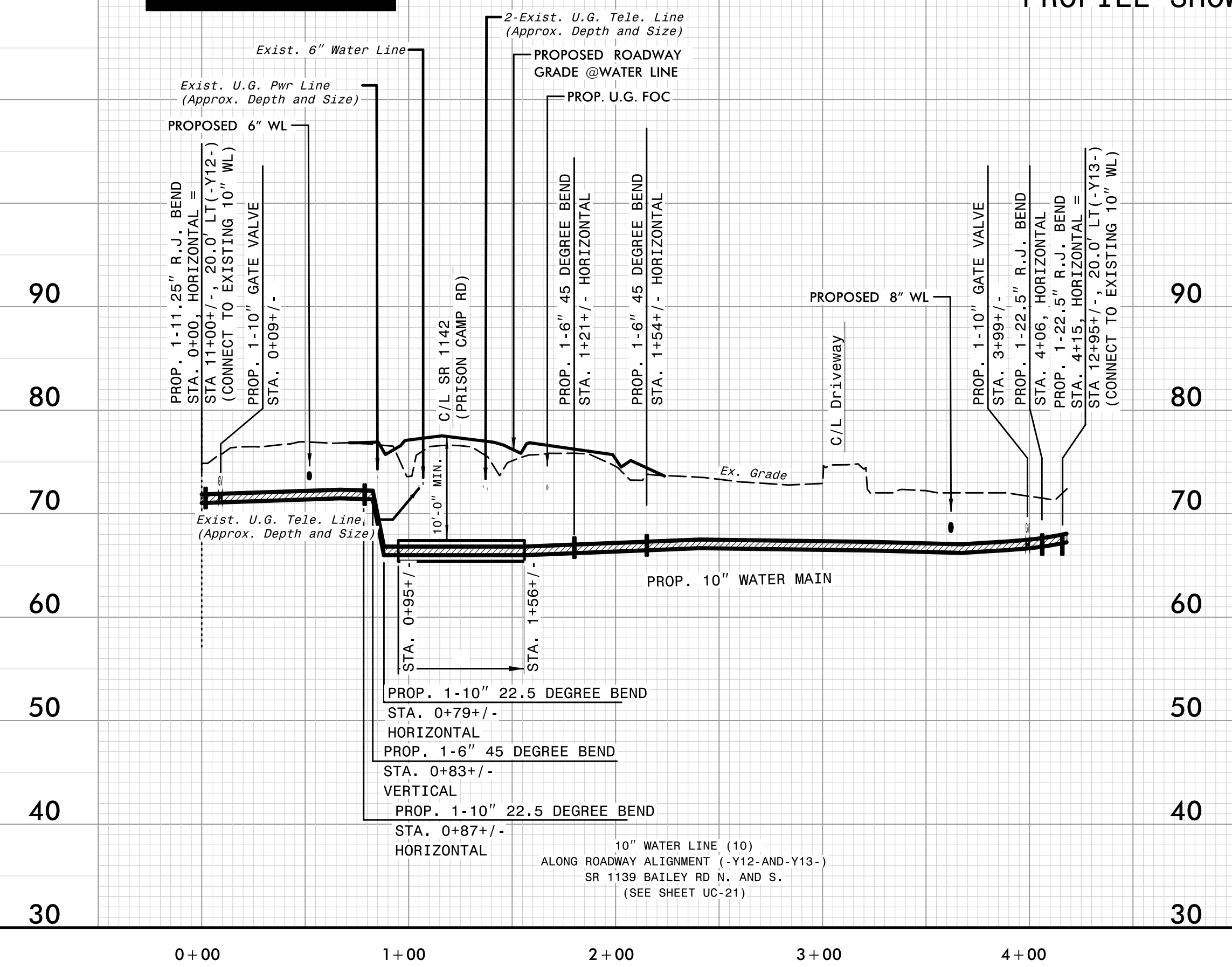
Exist. 10" Water Line (Approx. Depth and Size)

Vertical scale markings from 30 to 120 feet.



ALL WATER LINE PIPE FOR EACH PROFILE THIS SHEET TO BE RESTRAINED JOINT

### PROFILE SHOWN IS BASED ON STATIONING ALONG PROPOSED WATER LINE



PREPARED IN THE OFFICE OF:

**THE WOOTEN COMPANY**  
 301 Wood 14th Street, Greensboro, NC 27404  
 252.732.0000 Fax: 252.732.0021  
 License Number: F-003

PROJECT REFERENCE NO. <b>R-4705</b>	SHEET NO. <b>UC-37</b>
DESIGNED BY: DCS	
DRAWN BY: TK8TH	
CHECKED BY: DCS	
APPROVED BY: DCS	REVISED: 3-18-2022
<b>NORTH CAROLINA DEPARTMENT OF TRANSPORTATION</b> UTILITIES ENGINEERING SEC. PHONE: (919) 707-6690 FAX: (919) 250-4151	

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VERTICAL SCALE  
5' 0 5' 10'

HORIZONTAL SCALE  
25' 0 25' 50'

WATER LINE CONSTRUCTION SHOWN ON THIS SHEET

FINAL PLANS  
RELEASED FOR CONSTRUCTION

UTILITY CONSTRUCTION

69  
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TIP PROJECT: R-4705

STATE OF NORTH CAROLINA  
DIVISION OF HIGHWAYS

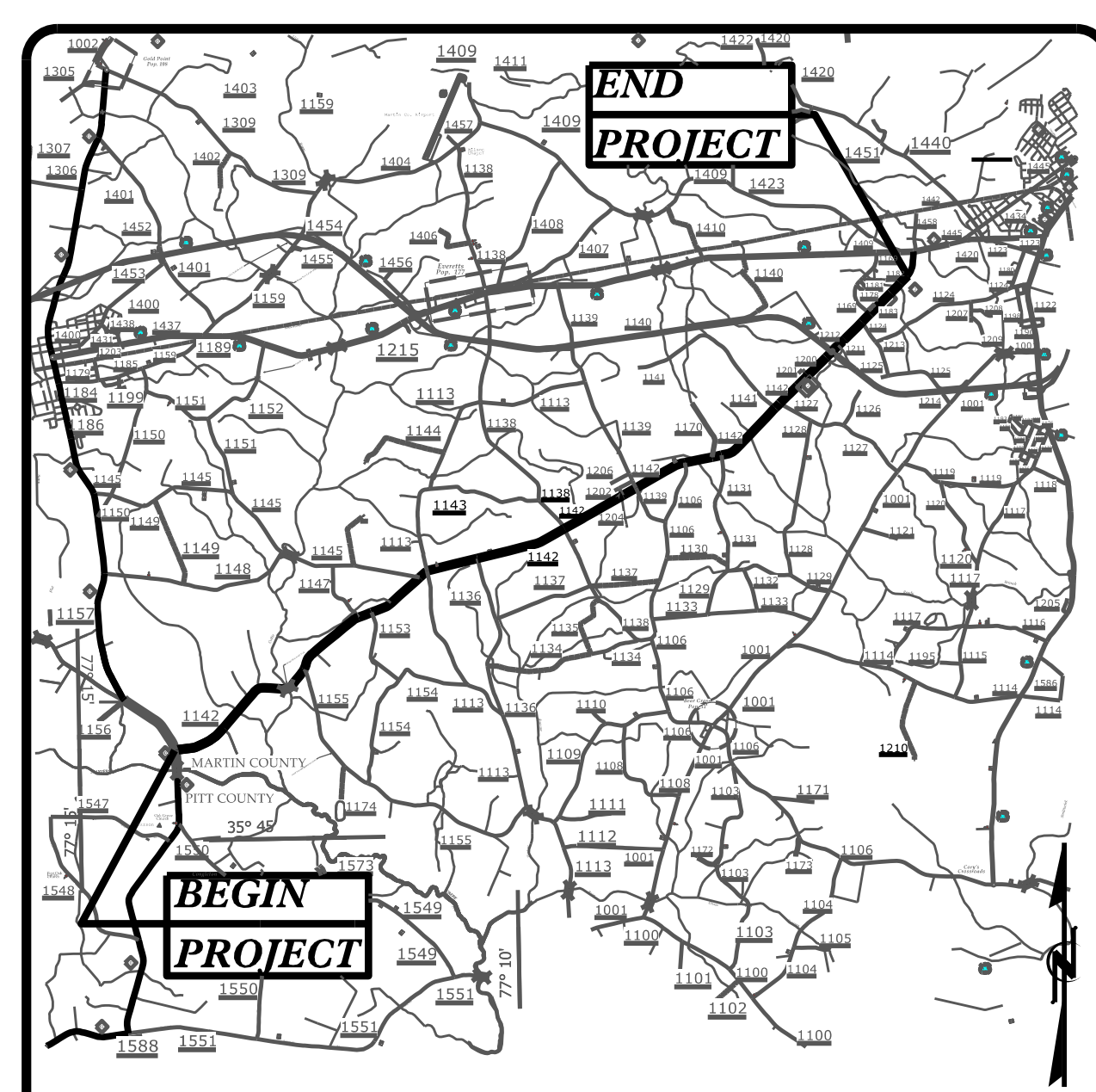
T.I.P. NO.	SHEET NO.
R-4705	UC-38

FINAL DESIGN  
RELEASE  
FOR CONSTRUCTION

UTILITY CONSTRUCTION PLANS  
MARTIN COUNTY

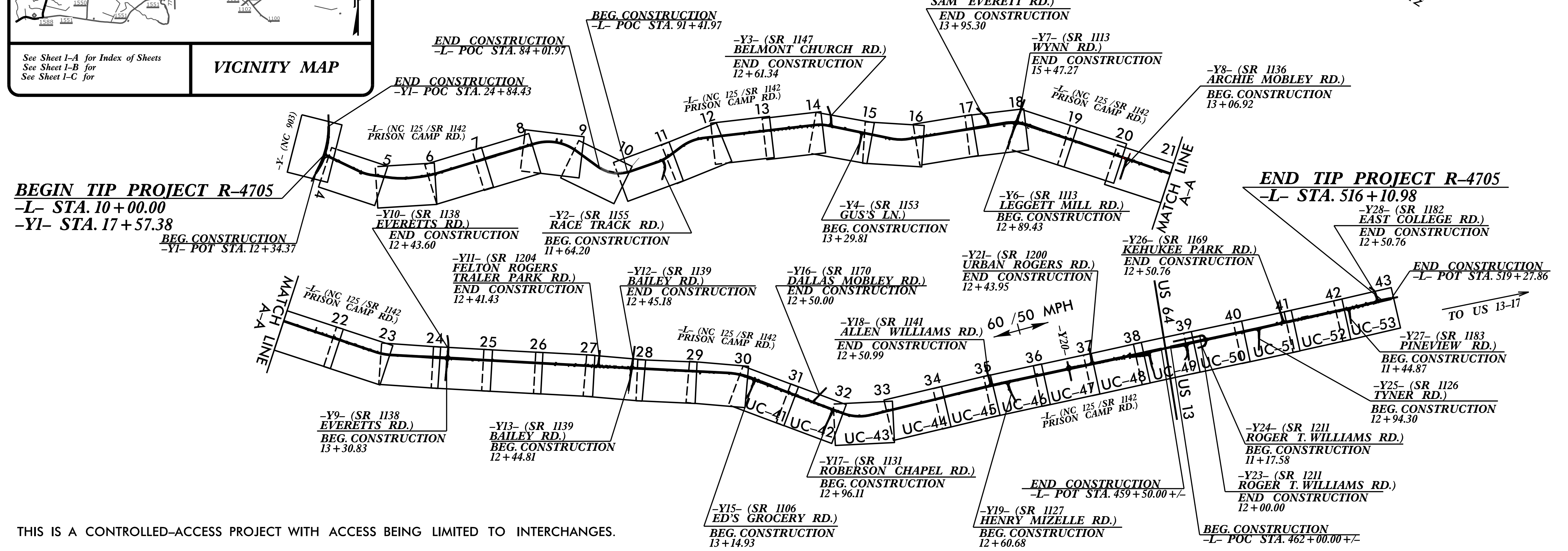
LOCATION: NC 125/SR 1142 (PRISON CAMP RD.)  
FROM NC 903 TO SR 1182 (EAST COLLEGE RD.)

TYPE OF WORK: RELOCATION OF WATER LINE, GRAVITY AND FORCE MAIN SEWER



See Sheet I-A for Index of Sheets  
See Sheet I-B for  
See Sheet I-C for

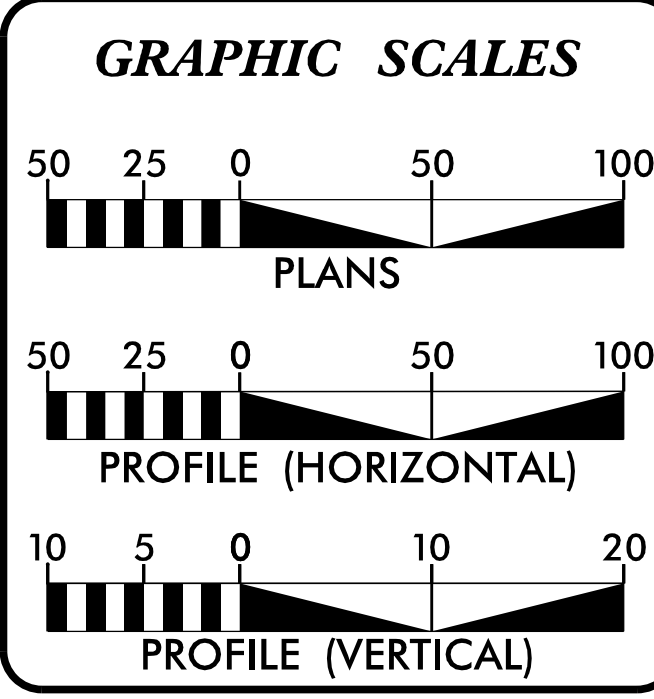
VICINITY MAP



THIS IS A CONTROLLED-ACCESS PROJECT WITH ACCESS BEING LIMITED TO INTERCHANGES.  
CLEARING ON THIS PROJECT SHALL BE PERFORMED TO THE LIMITS ESTABLISHED BY METHOD \_\_\_\_.  
A PORTION OF THIS PROJECT IS WITHIN THE MUNICIPAL BOUNDARIES OF WILLIAMSTON.

DOCUMENT NOT CONSIDERED FINAL  
UNLESS ALL SIGNATURES COMPLETED

CONTRACT:



SHEET NO.	DESCRIPTION
UC-38	TITLE SHEET
UC-39	UTILITY SYMBOLOGY
UC-40 THRU UC-40A	NOTES
UC-40B THRU UC-40D	DETAILS
UC-41 THRU UC-61	PLAN & PROFILE SHEETS

**WATER AND SEWER OWNERS ON PROJECT**

(1) WATER - TOWN OF WILLIAMSTON

(2) SEWER - TOWN OF WILLIAMSTON

Prepared in the Office of:

**ETHERILL ENGINEERING**

1223 Jones Franklin Rd. Raleigh, N.C. 27606  
License No. F-0377  
Bus: 919.851.8077 Fax: 919.851.8107

ALAN M. MANESS, PE UTILITY ENGINEER  
SCOTT L. KENNEDY UTILITY DESIGN ENGINEER  
JOHN D. SCHRINER, PLS PROJECT UTILITY COORDINATOR

SEAL

UTILITY CONSTRUCTION PLANS ONLY

**DIVISION OF HIGHWAYS  
DIVISION 1**

113 Airport Drive  
Suite 100  
Edenton NC, 27932

STEPHEN G. SEALY DIVISION UTILITIES ENGINEER  
DANIEL MERRITT DIVISION UTILITIES COORDINATOR

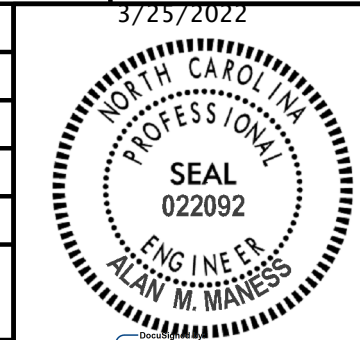
\$\$\$ SYSTEMS \$\$\$  
\$\$\$ BUSINESS \$\$\$



5/14/99

# STATE OF NORTH CAROLINA DIVISION OF HIGHWAYS

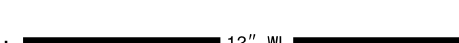























## UTILITIES PLAN SHEET SYMBOLS

PROJECT REFERENCE NO. R-4705	SHEET NO. UC-39
DESIGNED BY: SLK	
DRAWN BY: SLK	
CHECKED BY: AMM	
APPROVED BY: AMM	
REVISED:	
NORTH CAROLINA DEPARTMENT OF TRANSPORTATION UTILITIES ENGINEERING SEC. PHONE: (919) 707-6690 FAX: (919) 250-4151	



UTILITY CONSTRUCTION

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


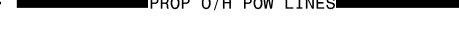



### PROPOSED WATER SYMBOLS








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	REM FH
Water Meter	
Relocate Water Meter	
Remove Water Meter	REM WM
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	




















FINAL DESIGN  
RELEASE  
FOR CONSTRUCTION

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	AATUR
End of Information	E.O.I.

*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) 

3/24/2023 R4705.ut\_UC39\_psh.dgn



5/14/22

# UTILITY CONSTRUCTION

## GENERAL NOTES:

1. THE PROPOSED UTILITY CONSTRUCTION SHALL MEET THE APPLICABLE REQUIREMENTS OF THE NC DEPARTMENT OF TRANSPORTATION'S "STANDARD SPECIFICATIONS FOR ROADS AND STRUCTURES" DATED JANUARY 2018.

2. THE EXISTING UTILITIES BELONG TO THE TOWN OF WILLIAMSTON. CONTACT KERRY SPIVEY, PUBLIC WORKS DIRECTOR AT 252-792-1024.

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 SECTION. ALL SANITARY SEWER LINES TO BE INSTALLED WITHIN COMPLIANCE OF THE RULES AND REGULATIONS OF THE NORTH CAROLINA DEPARTMENT OF ENVIRONMENT QUALITY, DIVISION OF WATER RESOURCES, WQ PERMITTING SECTION, PERCS UNIT. PERFORM ALL WORK IN ACCORDANCE WITH THE APPLICABLE PLUMBING CODES.

4. THE UTILITY OWNER OWNS 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 OWNER ARE NOT BINDING UPON THE DEPARTMENT OR THIS CONTRACT UNLESS AUTHORIZED BY THE ENGINEER. AGREEMENTS BETWEEN THE UTILITY OWNER 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 OWNER'S REPRESENTATIVES TO ALL PHASES OF CONSTRUCTION. NOTIFY DEPARTMENT PERSONNEL AND THE UTILITY OWNER 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.

9. ALL UTILITY MATERIALS SHALL BE APPROVED PRIOR TO DELIVERY TO THE PROJECT. SEE 1500-7, " SUBMITTALS AND RECORDS" IN SECTION 1500 OF THE STANDARD SPECIFICATIONS.

5. PROPOSED WATER LINE FROM -WL5- LINE STATION 10+00 +/- TO 14+35 +/- SHALL BE 6" C900 DR 18 PC 150 PVC, INSTALLED BY OPEN CUT METHOD, AND FROM -WL5- LINE STATION 14+35 +/- TO 19+40 +/- SHALL BE 12" C900 DR 18 PC 150 PVC, INSTALLED BY OPEN CUT METHOD, AND FROM -WL5- LINE STATION 19+40 +/- TO 20+22 +/- SHALL BE 12" RJ DIP, INSTALLED BY BORE AND JACK ENCASMENT, AND FROM -WL5- LINE STATION 20+22 +/- TO 34+12 +/- SHALL BE 12" C900 DR 18 PC 150 PVC, INSTALLED BY OPEN CUT METHOD.

6. PROPOSED WATER LINE FROM -WL6- LINE STATION 10+00 +/- TO 16+18 +/- SHALL BE 12" C900 DR18 PC150, INSTALLED BY OPEN CUT METHOD.

7. PROPOSED WATER LINE FROM -WL7- LINE STATION 10+00 +/- TO 11+34 +/- SHALL BE 12" C900 DR18 PC150, INSTALLED BY OPEN CUT METHOD.

8. PROPOSED WATER LINE FROM -WL8- LINE STATION 10+00 +/- TO 11+45 +/- SHALL BE 12" C900 DR18 PC150, INSTALLED BY OPEN CUT METHOD.

9. PROPOSED WATER LINE FROM -WL9- LINE STATION 10+00 +/- TO 11+46 +/- SHALL BE 10" C900 DR18 PC150, INSTALLED BY OPEN CUT METHOD.

10. PROPOSED WATER LINE FROM -WL10- LINE STATION 10+00 +/- TO 10+02 +/- SHALL BE 8" C900 DR 18 PC 150 PVC, INSTALLED BY OPEN CUT METHOD, AND FROM -WL10- LINE STATION 10+02 +/- TO 10+68 +/- SHALL BE 8" RJ DIP, INSTALLED BY BORE AND JACK ENCASMENT, AND FROM -WL10- LINE STATION 10+68 +/- TO 12+62 +/- SHALL BE 8" C900 DR 18 PC 150 PVC, INSTALLED BY OPEN CUT METHOD.

11. PROPOSED WATER LINE FROM -WL11- LINE STATION 10+00 +/- TO 13+18 +/- SHALL BE 8" C900 DR18 PC150, INSTALLED BY OPEN CUT METHOD.

12. PROPOSED WATER LINE FROM -WL12- LINE STATION 10+00 +/- TO 10+75 +/- SHALL BE 8" C900 DR18 PC150, INSTALLED BY OPEN CUT METHOD.

13. PROPOSED WATER LINE FROM -WL13- LINE STATION 10+00 +/- TO 20+64 +/- SHALL BE 8" C900 DR18 PC150, INSTALLED BY OPEN CUT METHOD.

14. PROPOSED WATER LINE FROM -WL14- LINE STATION 10+00 +/- TO 10+03 +/- SHALL BE 4" C900 DR 18 PC 150 PVC, INSTALLED BY OPEN CUT METHOD, AND FROM -WL14- LINE STATION 10+03 +/- TO 10+90 +/- SHALL BE 4" RJ DIP, INSTALLED BY OPEN CUT/BORE AND JACK ENCASMENT, AND FROM -WL14- LINE STATION 10+90 +/- TO 13+28 +/- SHALL BE 4" RJ DIP, INSTALLED BY OPEN CUT METHOD.

15. PROPOSED WATER LINE FROM -WL15- LINE STATION 10+00 +/- TO 10+01 +/- SHALL BE 6" C900 DR 18 PC 150 PVC, INSTALLED BY OPEN CUT METHOD, AND FROM -WL15- LINE STATION 10+01 +/- TO 10+71 +/- SHALL BE 6" RJ DIP, INSTALLED BY BORE AND JACK ENCASMENT, AND FROM -WL15- LINE STATION 10+71 +/- TO 10+77 +/- SHALL BE 6" C900 DR 18 PC 150 PVC, INSTALLED BY OPEN CUT METHOD.

16. PROPOSED WATER LINE FROM -WL16- LINE STATION 10+00 +/- TO 10+02 +/- SHALL BE 8" C900 DR 18 PC 150 PVC, INSTALLED BY OPEN CUT METHOD, AND FROM -WL16- LINE STATION 10+02 +/- TO 10+99 +/- SHALL BE 6" RJ DIP, INSTALLED BY BORE AND JACK ENCASMENT, AND FROM -WL16- LINE STATION 10+99 +/- TO 11+80 +/- SHALL BE 8" C900 DR 18 PC 150 PVC, INSTALLED BY OPEN CUT METHOD.

17. PROPOSED SEWER LINE FROM -SL1- LINE STATION 10+00 +/- TO 14+80 +/- SHALL BE 6" C900 DR18 PC150, INSTALLED BY OPEN CUT METHOD AND FROM -SL1- LINE STATION 14+80 +/- TO 15+52 +/- SHALL BE 6" RJ DIP, INSTALLED BY BORE AND JACK ENCASMENT, AND FROM -SL1- LINE STATION 15+52 +/- TO 16+28 +/- SHALL BE 6" C900 DR18 PC150, INSTALLED BY OPEN CUT METHOD AND FROM -SL1- LINE STATION 16+28 +/- TO 20+56 +/- SHALL BE 8" DR9 (DIPS) HDPE, INSTALLED BY DIRECTIONAL DRILL METHOD AND FROM -SL1- LINE STATION 20+56 +/- TO 30+04 +/- SHALL BE 6" C900 DR18 PC150, INSTALLED BY OPEN CUT METHOD.

18. PROPOSED SEWER LINE FROM -SL2- LINE STATION 10+00 +/- TO 16+22 +/- SHALL BE 6" C900 DR18 PC150, INSTALLED BY OPEN CUT METHOD.

19. PROPOSED SEWER LINE FROM -SL3- LINE STATION 10+00 +/- TO 11+55 +/- SHALL BE 6" C900 DR18 PC150, INSTALLED BY OPEN CUT METHOD.

20. PROPOSED SEWER LINE FROM -SL4- LINE STATION 10+00 +/- TO 11+60 +/- SHALL BE 6" C900 DR18 PC150, INSTALLED BY OPEN CUT METHOD.

21. PROPOSED SEWER LINE FROM -SL5- LINE STATION 10+00 +/- TO 11+52 +/- SHALL BE 6" C900 DR18 PC150, INSTALLED BY OPEN CUT METHOD.

22. PROPOSED SEWER LINE FROM -SL6- LINE STATION 10+00 +/- TO 15+33 +/- SHALL BE 4" C900 DR18 PC150, INSTALLED BY OPEN CUT METHOD, AND FROM -SL6- LINE STATION 15+33 +/- TO 33+76 +/- SHALL BE 10" SDR 35 PVC SEWER, INSTALLED BY OPEN CUT METHOD.

23. PROPOSED SEWER LINE FROM -SL7- LINE STATION 10+00 +/- TO 12+17 +/- SHALL BE 4" C900 DR18 PC150, INSTALLED BY OPEN CUT METHOD.

PROJECT REFERENCE NO. R-4705	SHEET NO. UC-40
DESIGNED BY: SLK	
DRAWN BY: SLK	
CHECKED BY: AMM	
APPROVED BY: AMM	
REVISED:	
NORTH CAROLINA DEPARTMENT OF TRANSPORTATION UTILITIES ENGINEERING SEC. PHONE: (919) 707-6690 FAX: (919) 250-4151	

UTILITY CONSTRUCTION

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

**FINAL DESIGN**  
RELEASE FOR CONSTRUCTION

## PROJECT SPECIFIC NOTES:

1. PROPOSED WATER LINE FROM -WL1- LINE STATION 10+00 +/- TO 32+25 +/- SHALL BE 6" C900 DR18 PC150, INSTALLED BY OPEN CUT METHOD.

2. PROPOSED WATER LINE FROM -WL2- LINE STATION 10+00 +/- TO 13+15 +/- SHALL BE 6" C900 DR18 PC150, INSTALLED BY OPEN CUT METHOD.

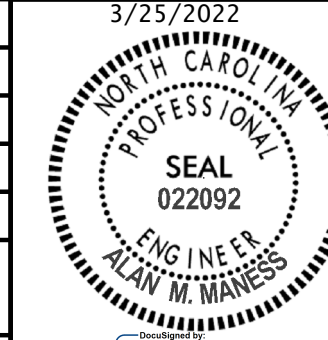
3. PROPOSED WATER LINE FROM -WL3- LINE STATION 10+00 +/- TO 19+66 +/- SHALL BE 6" C900 DR18 PC150, INSTALLED BY OPEN CUT METHOD.

4. PROPOSED WATER LINE FROM -WL4- LINE STATION 10+00 +/- TO 10+91 +/- SHALL BE 6" C900 DR 18 PC 150 PVC, INSTALLED BY OPEN CUT METHOD, AND FROM -WL4- LINE STATION 10+91 +/- TO 11+51 +/- SHALL BE 6" RJ DIP, INSTALLED BORE AND JACK ENCASMENT, AND FROM -WL4- LINE STATION 11+51 +/- TO 16+74 +/- SHALL BE 6" C900 DR 18 PC 150 PVC, INSTALLED BY OPEN CUT METHOD.

3/24/2022 R4705\_ut\_UC40\_psh.dgn



# UTILITY CONSTRUCTION

PROJECT REFERENCE NO. <b>R-4705</b>	SHEET NO. <b>UC-40A</b>
DESIGNED BY: <b>SLK</b>	
DRAWN BY: <b>SLK</b>	
CHECKED BY: <b>AMM</b>	
APPROVED BY: <b>AMM</b>	
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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FOR CONSTRUCTION

**WATER INSTALLATION NOTES:**

- 1) CONTRACTOR SHALL FULLY INSTALL, PRESSURE & LEAKAGE TEST, AND CHLORINATE NEW WATER MAIN PRIOR TO CONNECTION TO EXISTING SYSTEM.
- 2) CONTRACTOR SHALL PERFORM THE CONNECTION DURING OFF PEAK HOURS WITH A MAXIMUM SHUT DOWN TIME OF FIVE HOURS. (12 PM MIDNIGHT TO 5 AM)
- 3) ANY TEST PERFORMED WITHOUT NOTIFICATION AND CONTACT WITH TOWN OF WILLIAMSTON FIELD INSPECTORS SHALL BE PERFORMED AT THE CONTRACTOR'S RISK. TESTING SHALL BE PERFORMED IN THE PRESENCE OF TOWN OF WILLIAMSTON PERSONNEL. CONTACT KERRY SPIVEY, PUBLIC WORKS DIRECTOR.
- 4) OPERATION OF EXISTING GATE VALVES SHALL BE DONE BY TOWN OF WILLIAMSTON OPERATIONS STAFF. CONTACT KERRY SPIVEY, PUBLIC WORKS DIRECTOR AT 252-792-1024.
- 5) TIE NEW WATER MAIN INTO EXISTING. INSTALL THRUST BLOCKS AND RODDING AS REQUIRED.
- 6) NEW WATER MAIN SHALL NOT BE CONNECTED TO EXISTING MAIN WITHOUT PRIOR APPROVAL AND COORDINATION WITH TOWN OF WILLIAMSTON.
- 7) HDPE SIZING - THE INSIDE DIAMETER OF HDPE WATER PIPE SHALL BE EQUAL TO OR GREATER THAN THE INSIDE DIAMETER OF THE WATER PIPE IT IS CONNECTED TO.
- 8) FOR NEW 4", 6", 8", AND 10" WATER MAIN CONNECTIONS, USE GRIP RING PIPE RESTRAINER AS REQUIRED.
- 9) FOR NEW 12" WATER MAIN CONNECTIONS, USE SNAP-LOK OR BOLT-LOK BY GRIFFIN OR APPROVED EQUAL AS REQUIRED.

**SEWER INSTALLATION NOTES:**

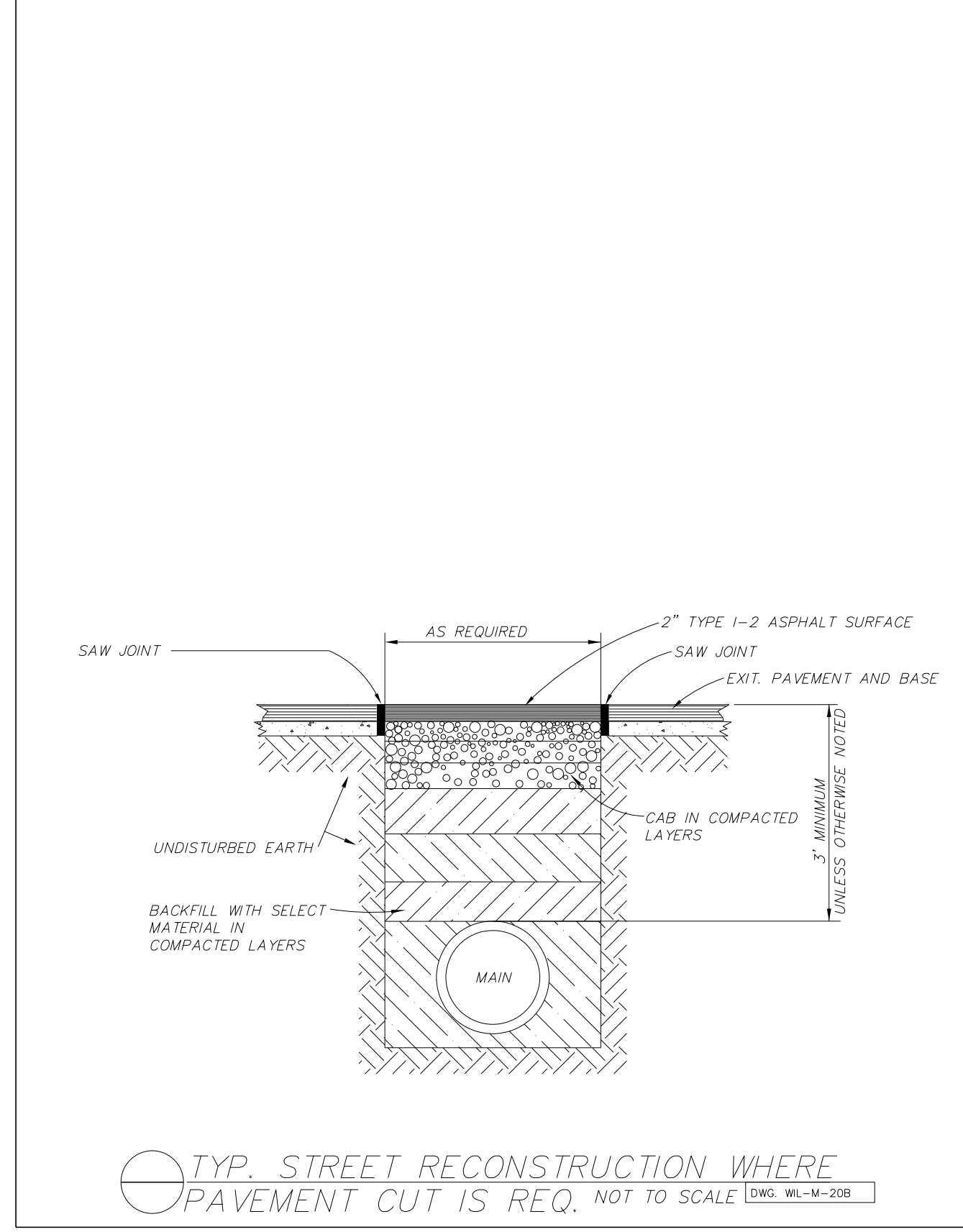
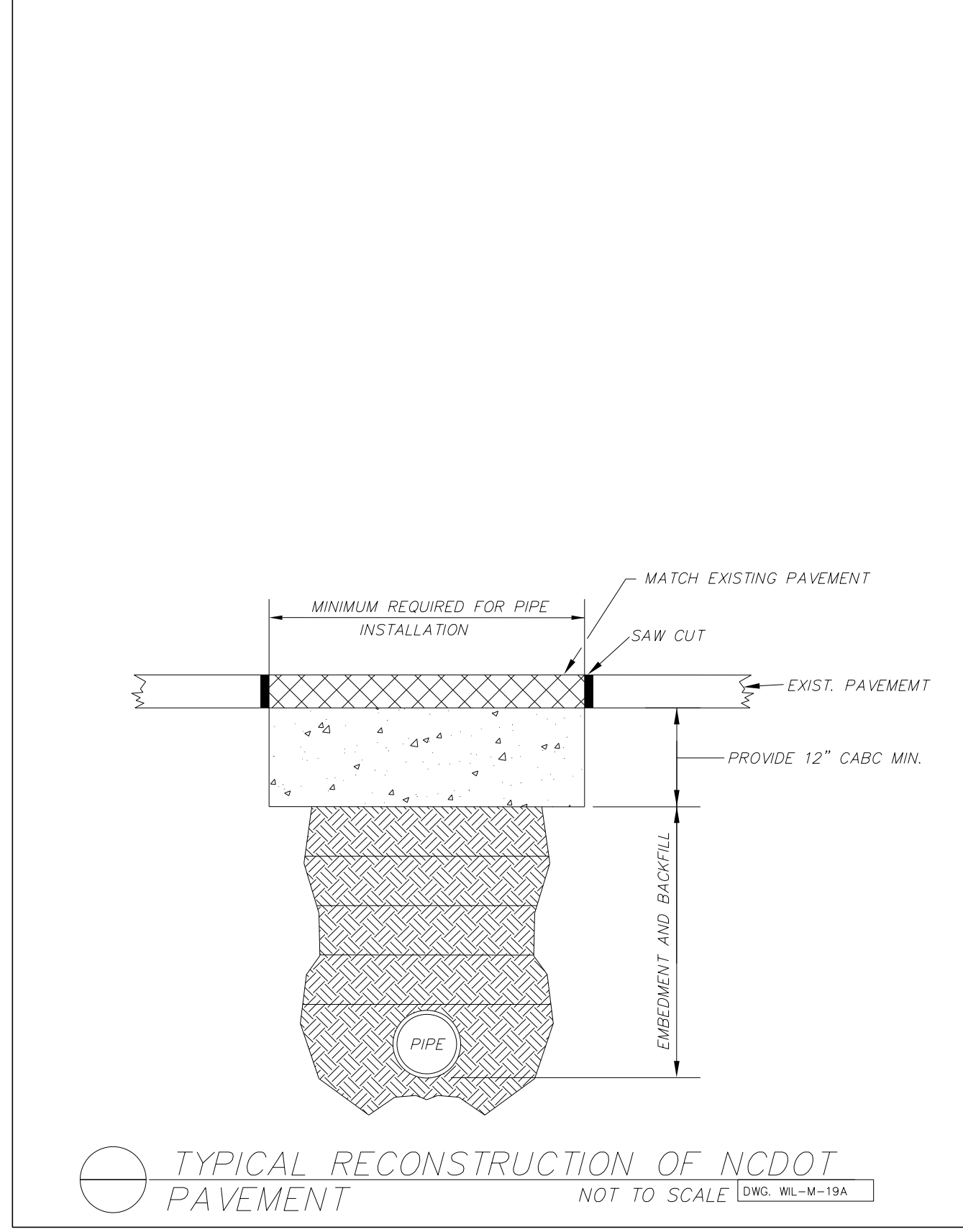
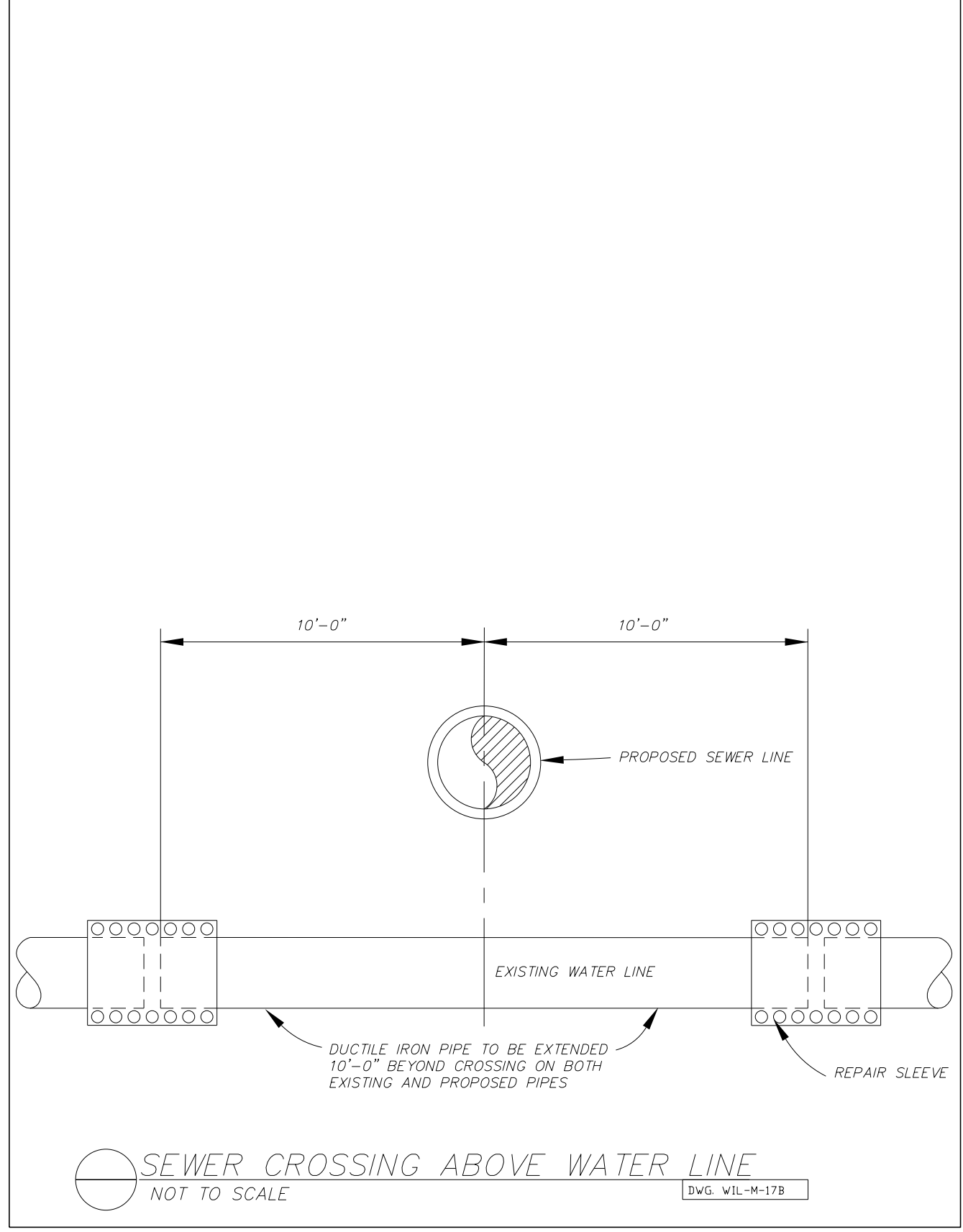
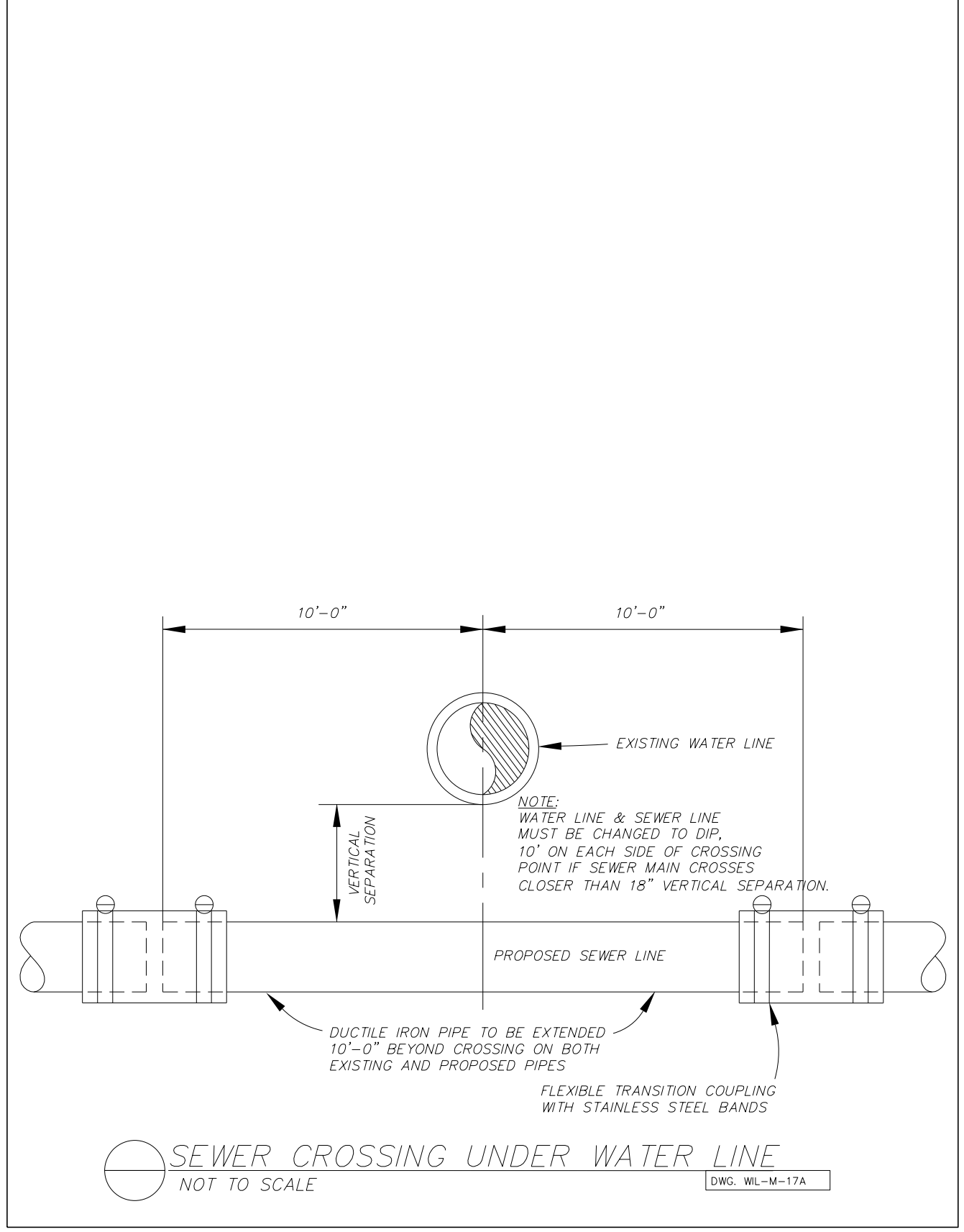
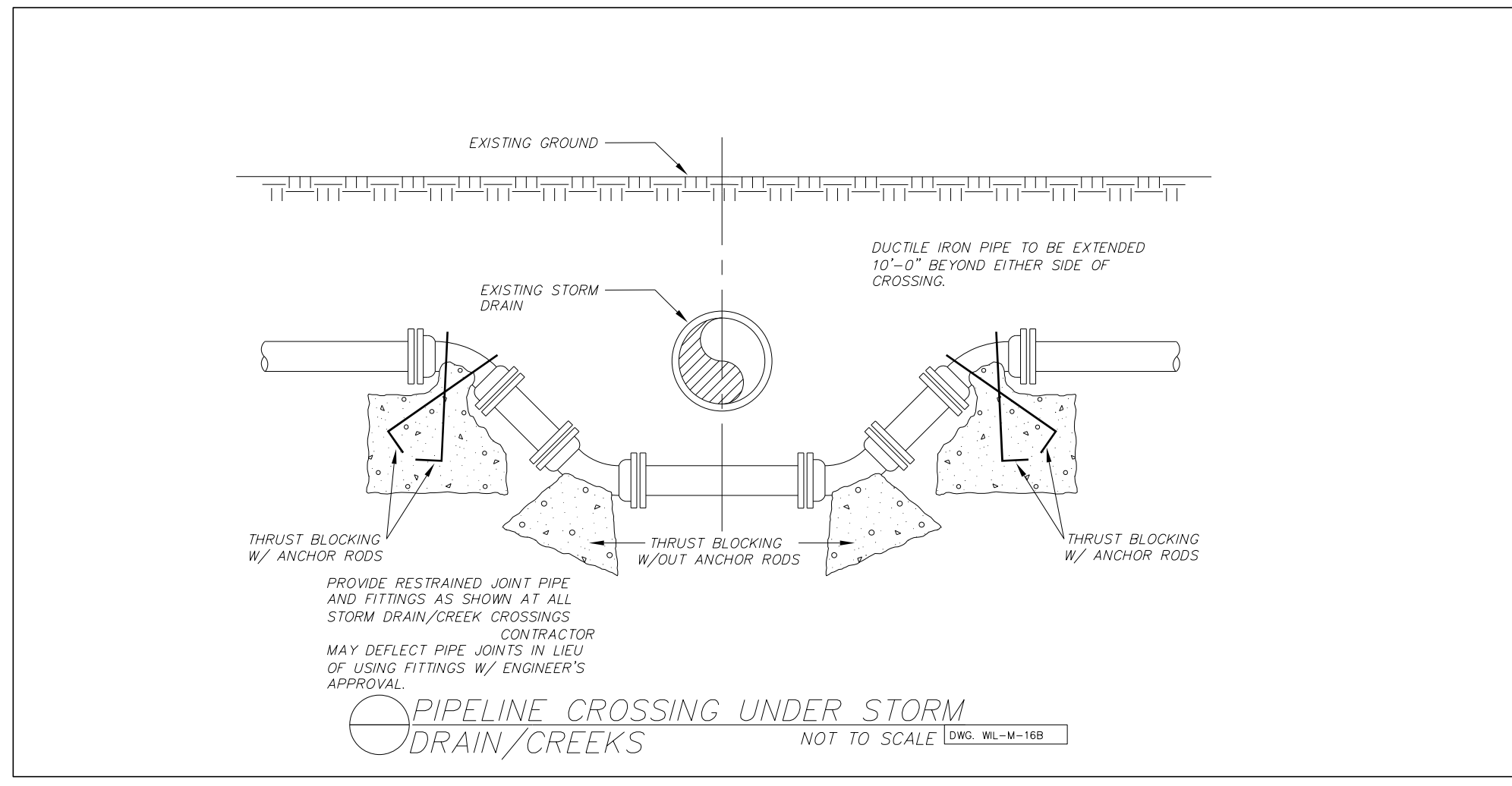
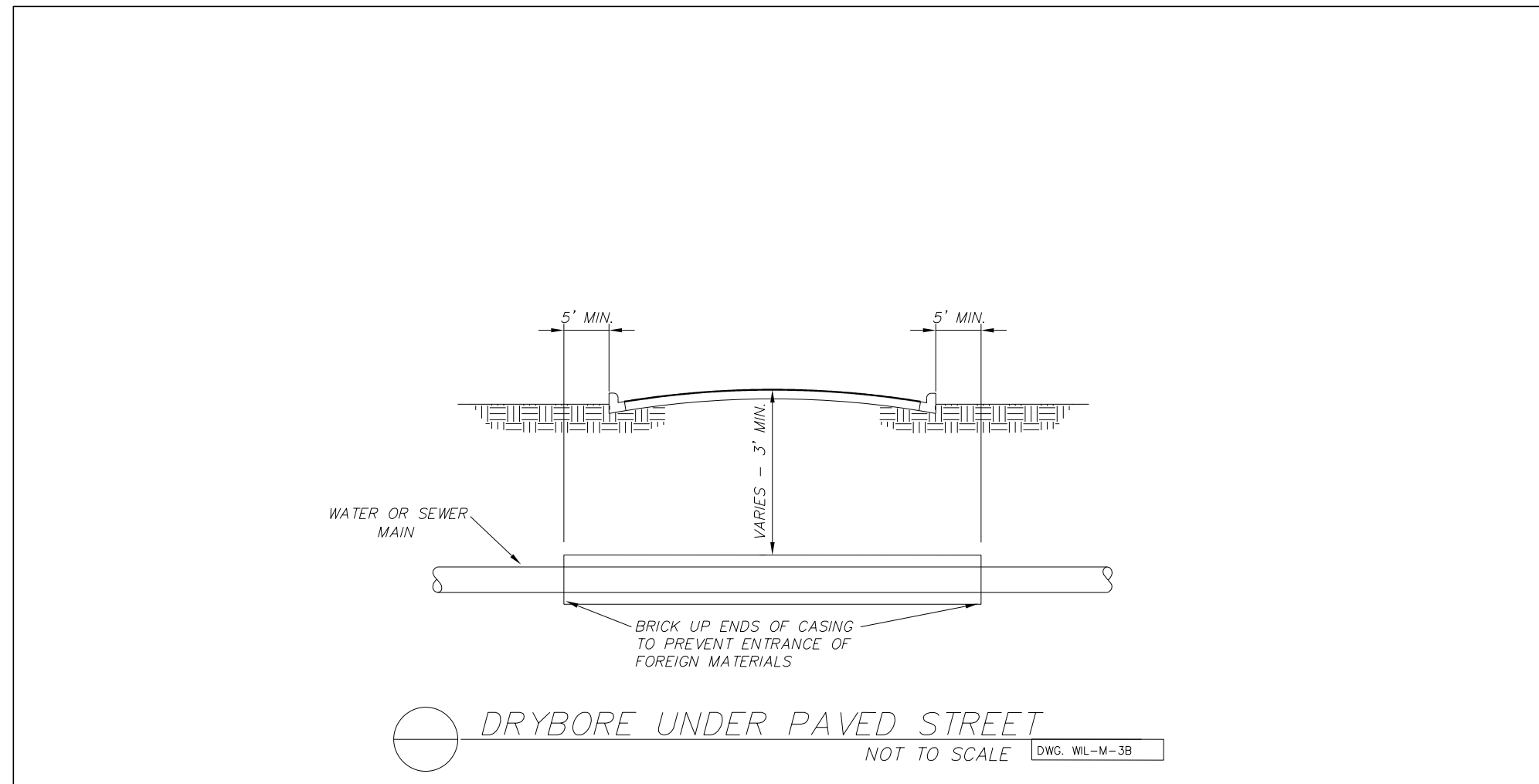
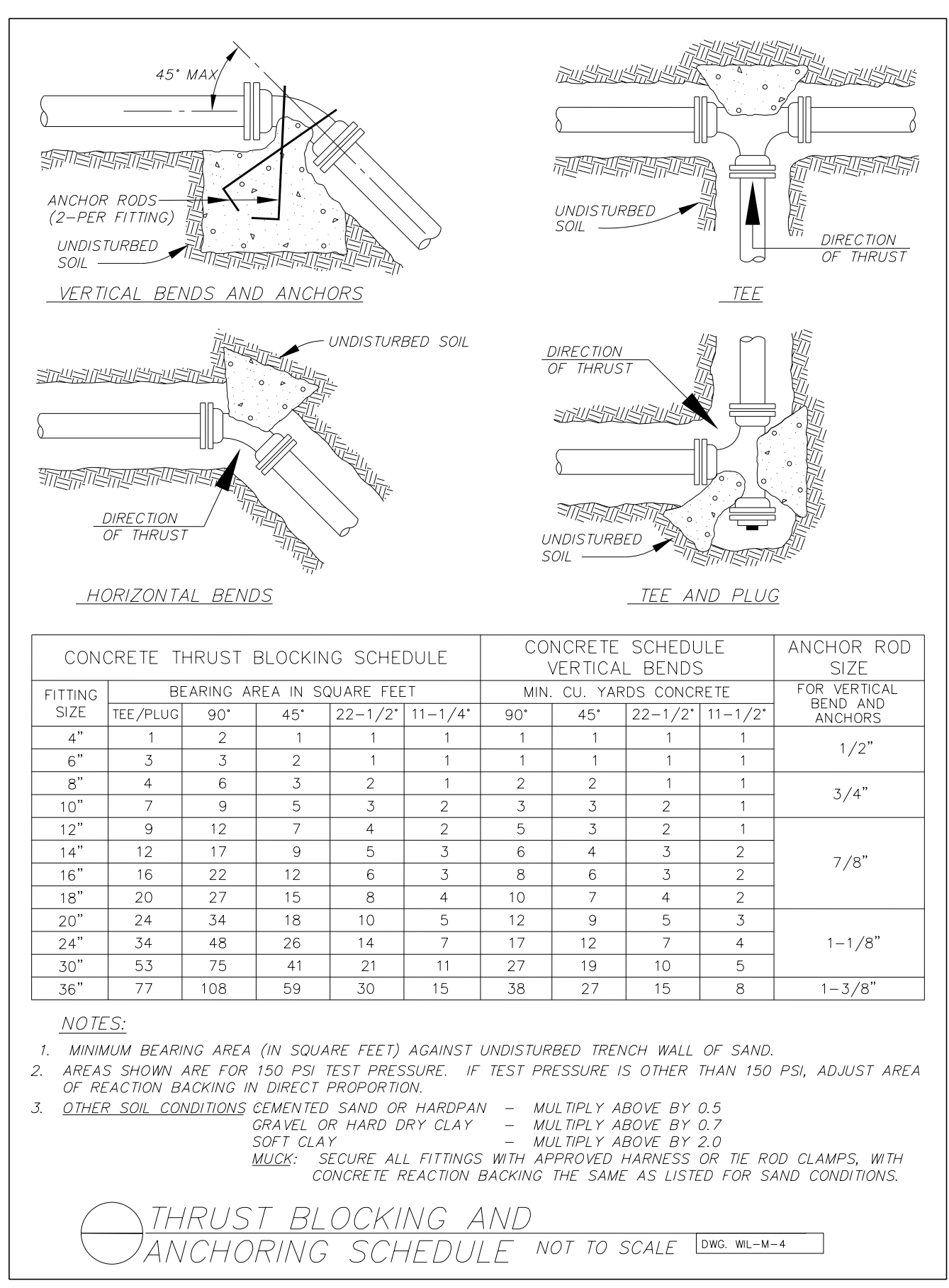
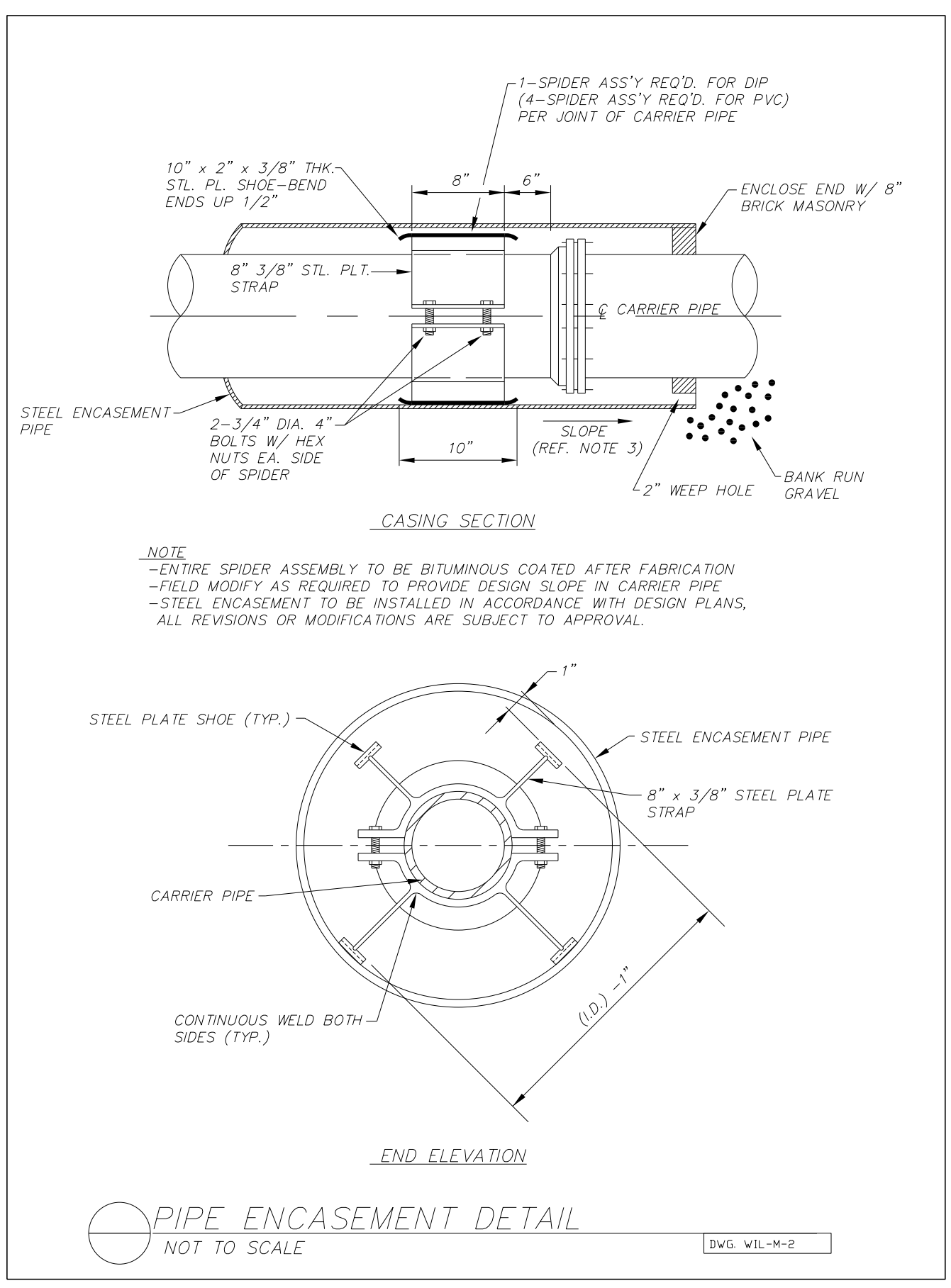
- 1) CONTRACTOR SHALL FULLY INSTALL, PRESSURE & LEAKAGE TEST NEW SEWER MAIN PRIOR TO CONNECTION TO EXISTING SYSTEM.
- 2) CONTRACTOR SHALL PERFORM THE CONNECTION DURING OFF PEAK HOURS WITH A MAXIMUM SHUT DOWN TIME OF FIVE HOURS. (12 PM MIDNIGHT TO 5 AM)
- 3) ANY TEST PERFORMED WITHOUT NOTIFICATION TO TOWN SHALL BE PERFORMED AT THE CONTRACTOR'S RISK. TESTING SHALL BE PERFORMED IN THE PRESENCE OF TOWN OF WILLIAMSTON PERSONNEL. CONTACT MR. KERRY SPIVEY, PUBLIC WORKS DIRECTOR.
- 4) OPERATION OF EXISTING ISOLATION VALVES SHALL BE DONE BY TOWN OF WILLIAMSTON OPERATIONS STAFF. CONTACT MR. KERRY SPIVEY, PUBLIC WORKS DIRECTOR AT 252-792-1024.
- 5) NEW SEWER MAIN SHALL NOT BE CONNECTED TO EXISTING MAIN WITHOUT PRIOR APPROVAL AND COORDINATION WITH TOWN OF WILLIAMSTON.
- 6) CONTRACTOR SHALL ALLOW HDPE PIPE 1 WEEK TO RELAX AFTER PULLING IS COMPLETE AND BEFORE IT IS CONNECTED TO EXISTING HDPE SANITARY SEWER FORCE MAIN.
- 7) HDPE SIZING - THE INSIDE DIAMETER OF HDPE SEWER PIPE SHALL BE EQUAL TO OR GREATER THAN THE INSIDE DIAMETER OF THE SEWER PIPE IT IS CONNECTED TO.
- 8) FOR NEW 4" AND 6" SEWER MAIN CONNECTIONS, USE GRIP RING PIPE RESTRAINER AS REQUIRED.

8/17/99

PROJECT REFERENCE NO.	SHEET NO.
R-4705	UC-40B
DESIGNED BY: SLK	3/25/2012
DRAWN BY: SLK	
CHECKED BY: AMM	
APPROVED BY: AMM	
REVISED:	
NORTH CAROLINA DEPARTMENT OF TRANSPORTATION UTILITIES ENGINEERING SEC. PHONE: (919) 707-6690 FAX: (919) 250-4151	

UTILITY CONSTRUCTION  
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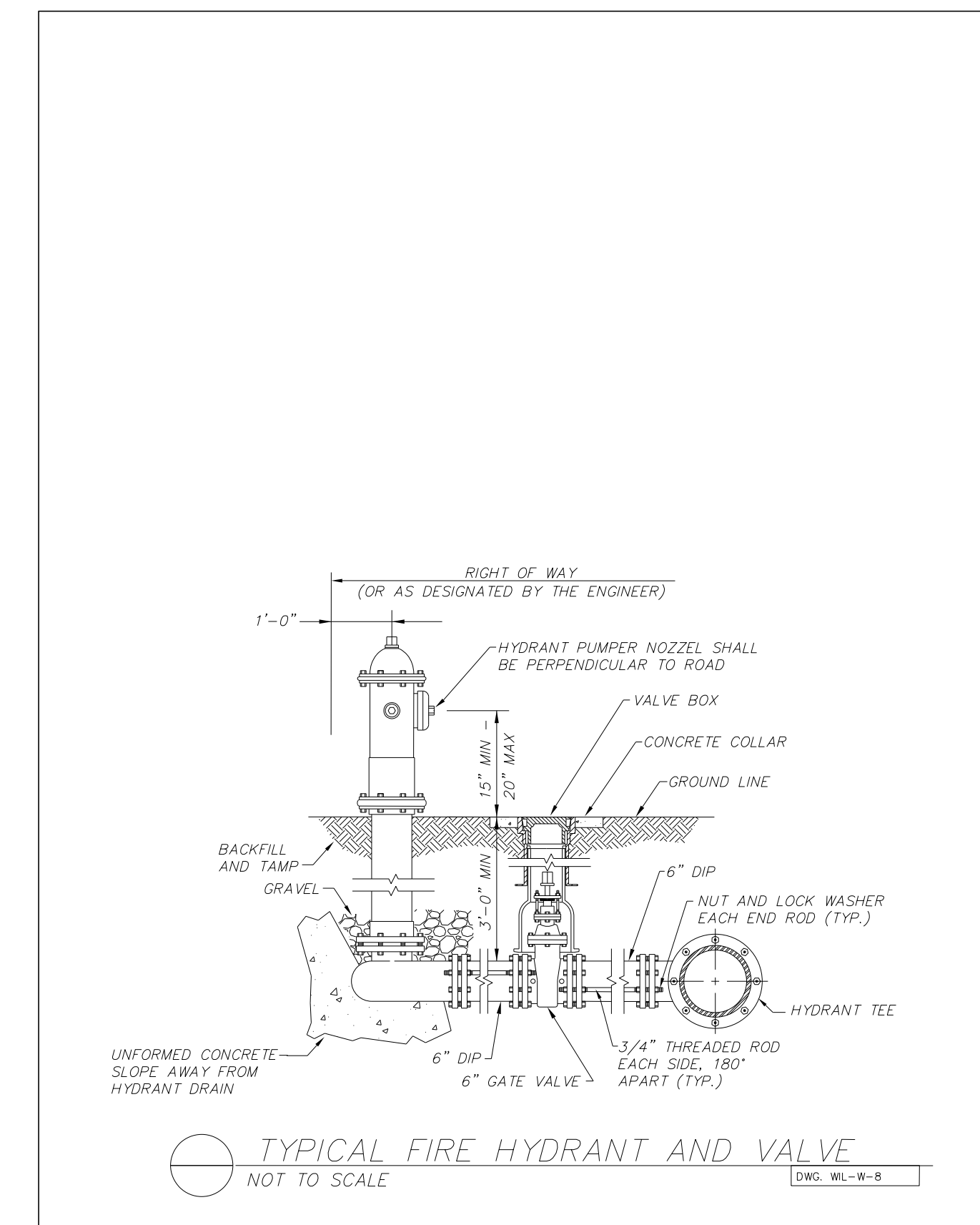
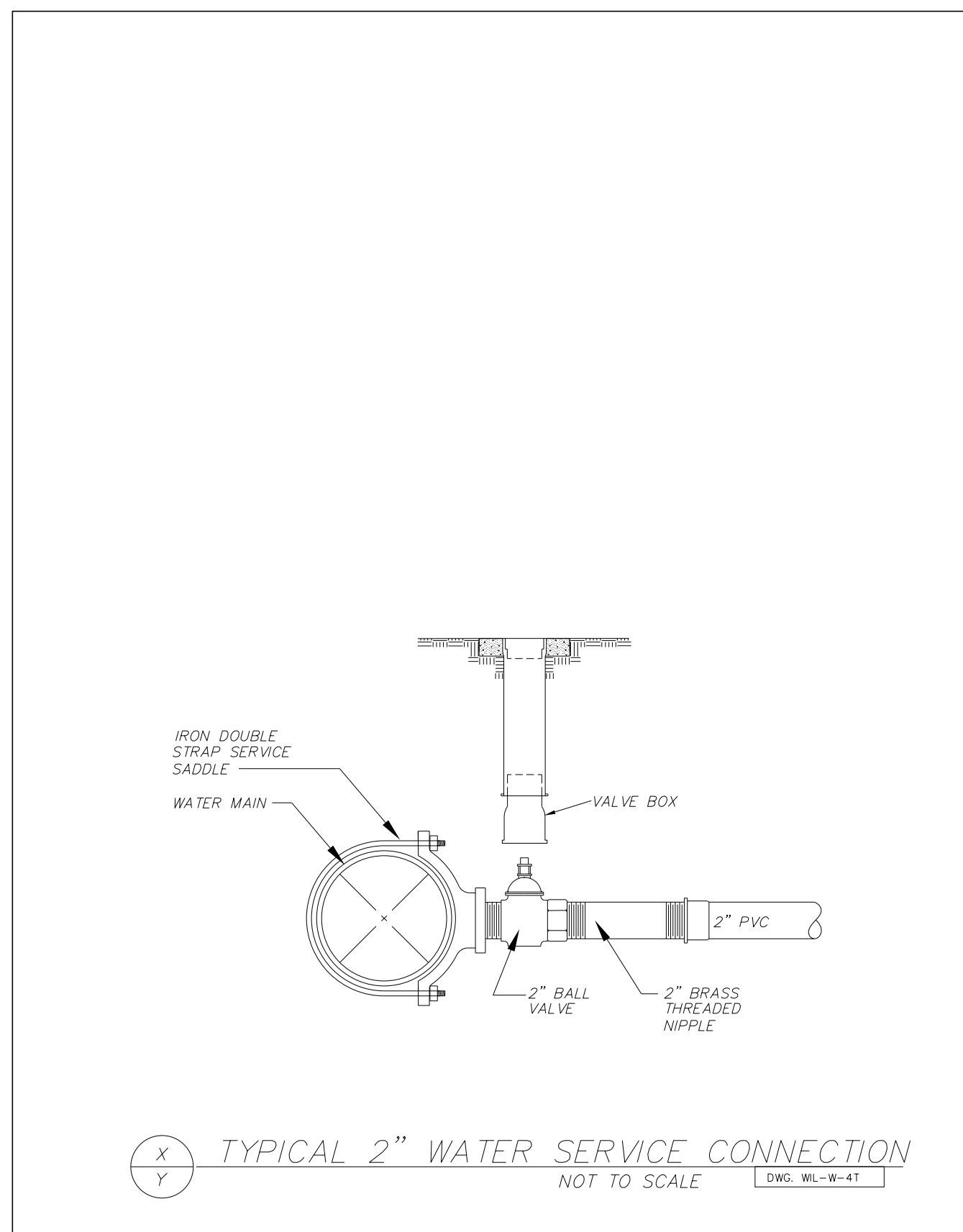
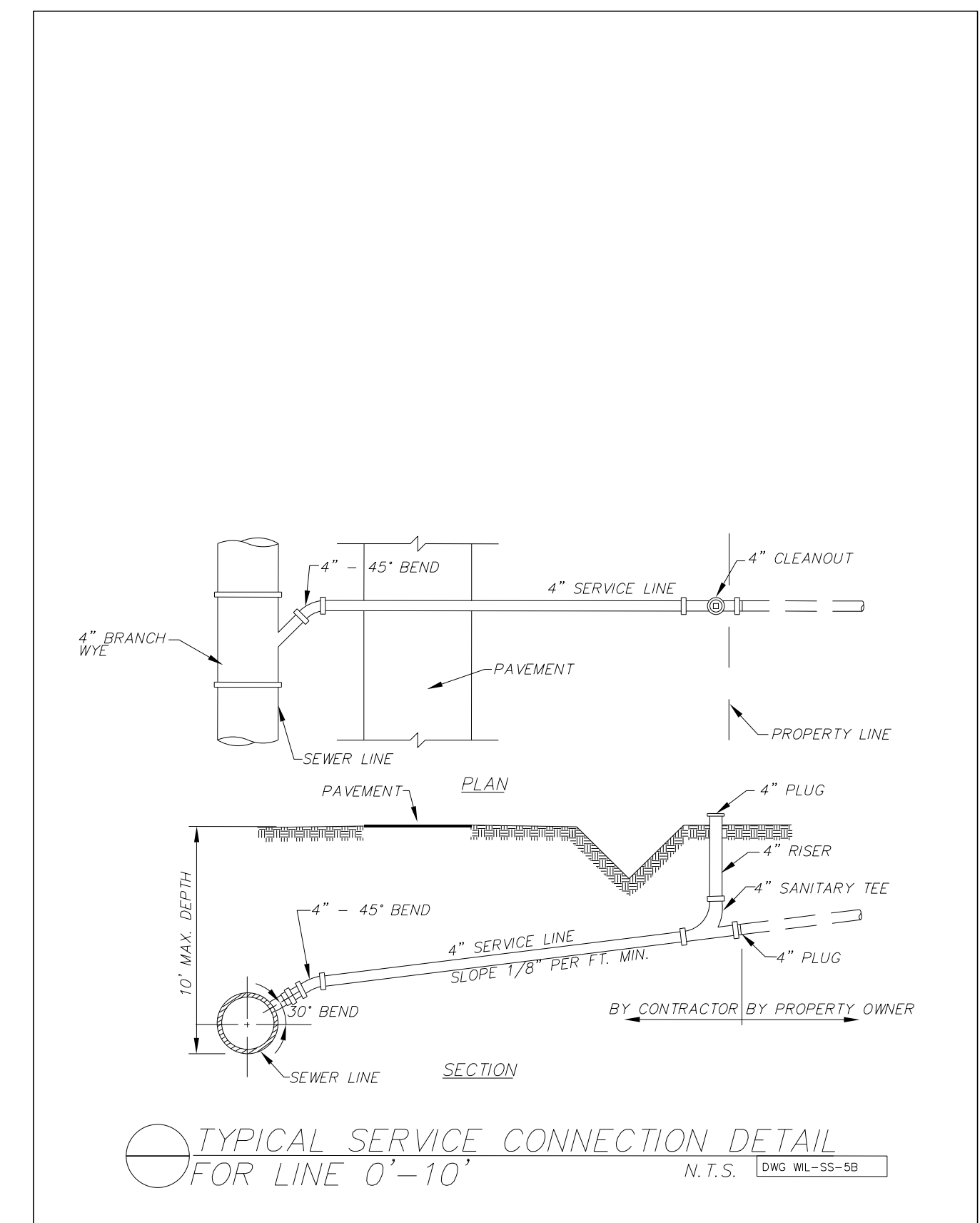
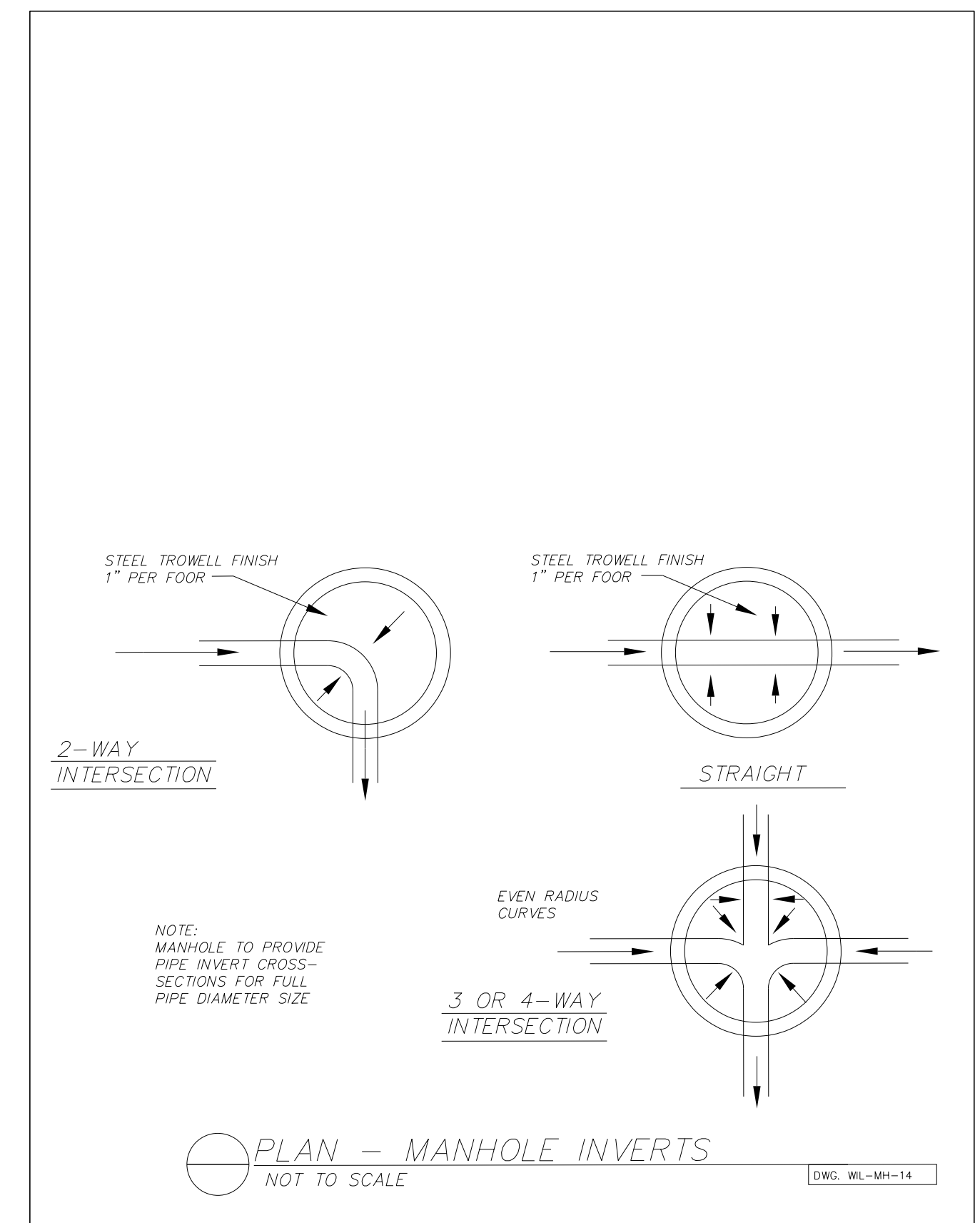
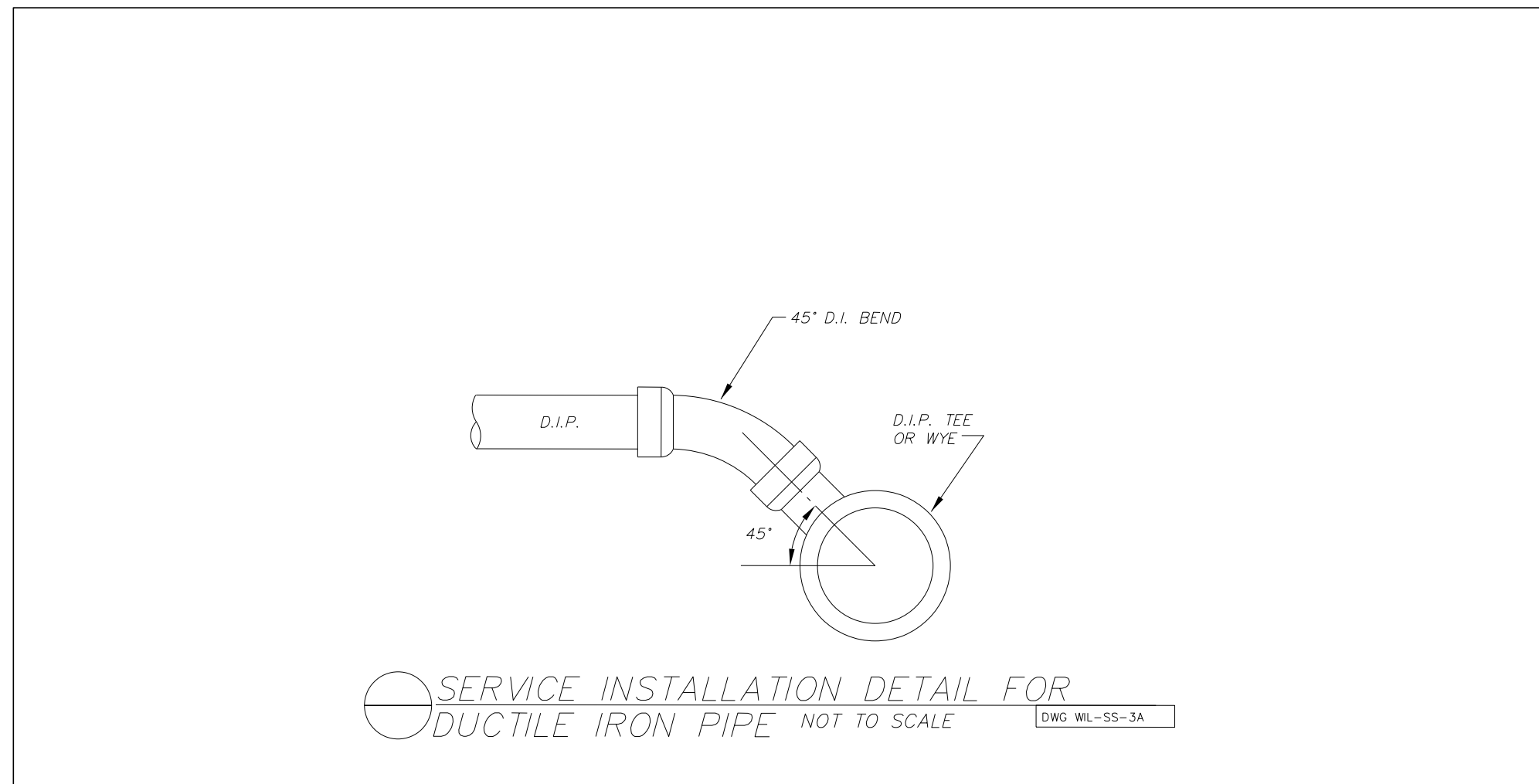
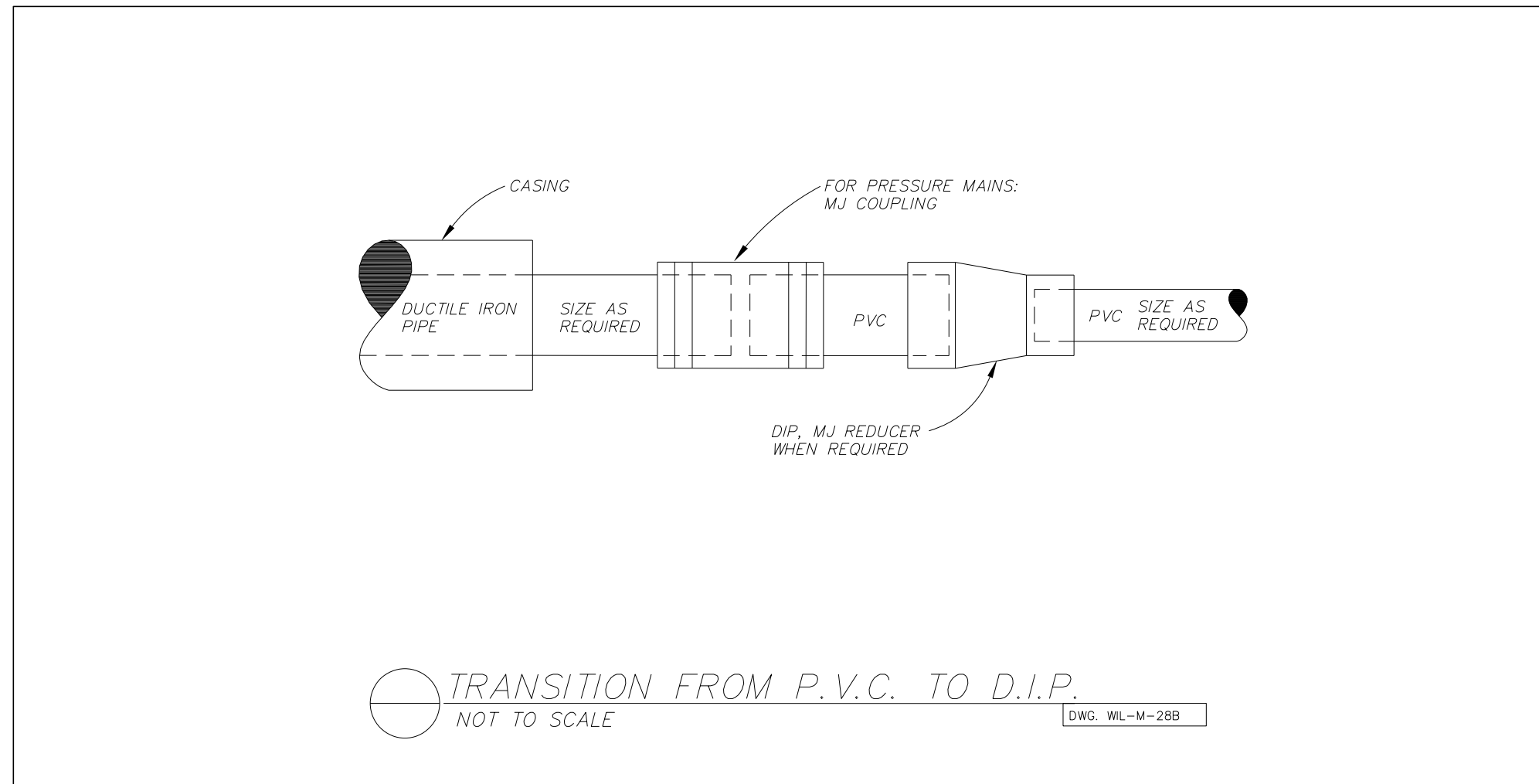
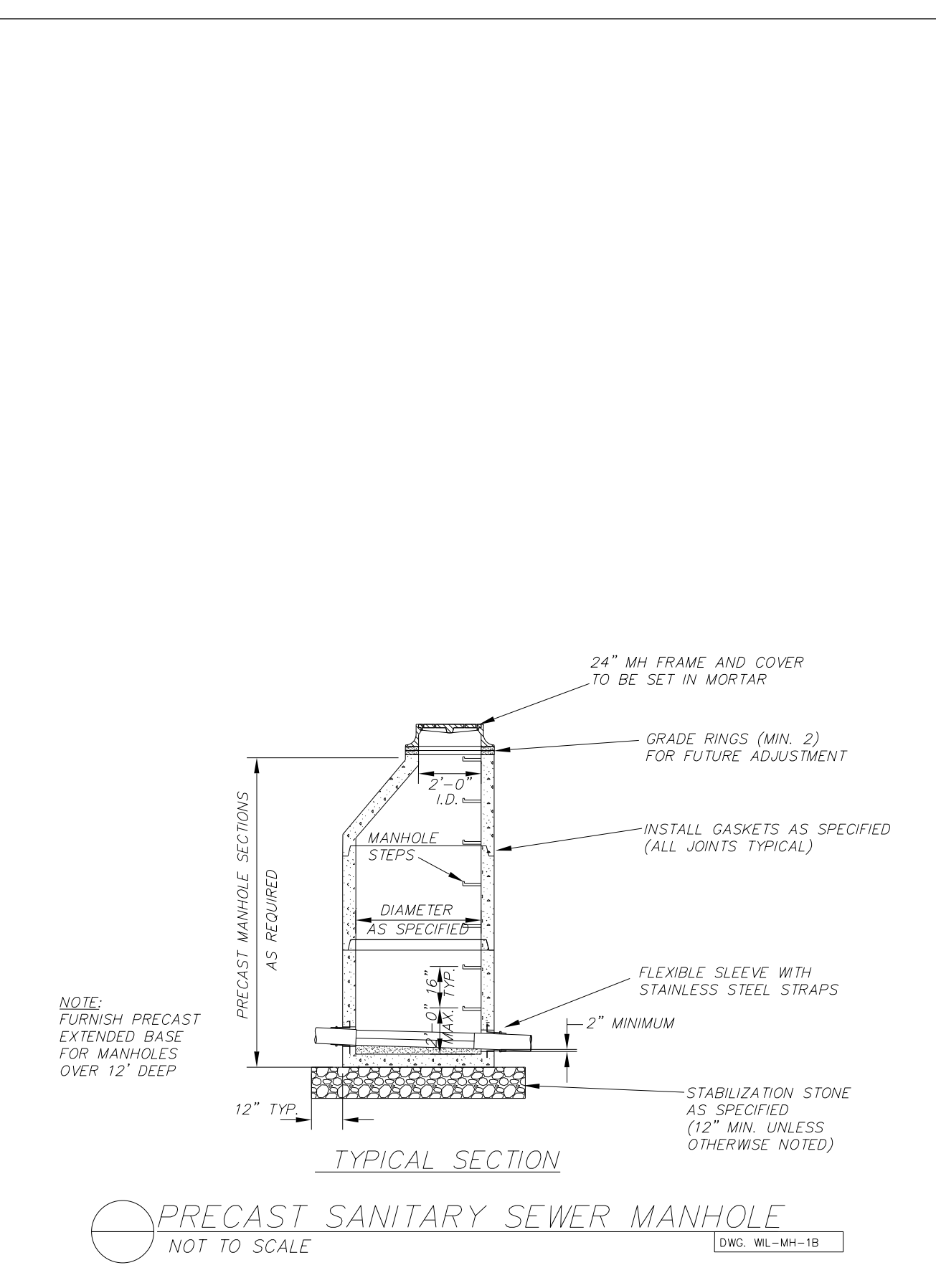
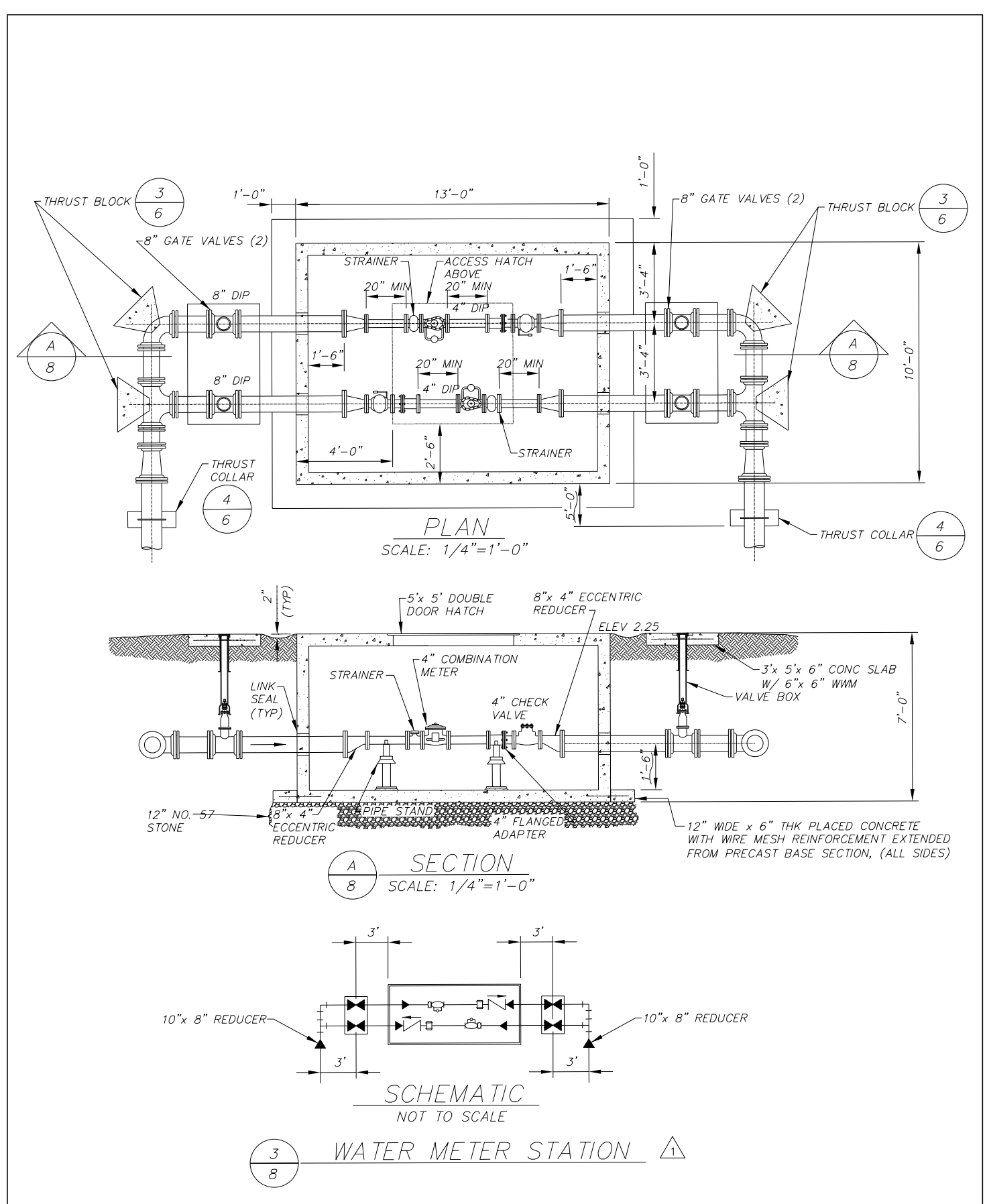
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PROJECT REFERENCE NO. <b>R-4705</b>	SHEET NO. <b>UC-40C</b>
DESIGNED BY: <b>SLK</b>	3/25/2022
DRAWN BY: <b>SLK</b>	
CHECKED BY: <b>AMM</b>	
APPROVED BY: <b>AMM</b>	
REVISED:	
NORTH CAROLINA DEPARTMENT OF TRANSPORTATION UTILITIES ENGINEERING SEC. PHONE: (919) 707-6690 FAX: (919) 250-4151	
UTILITY CONSTRUCTION PLANS ONLY	

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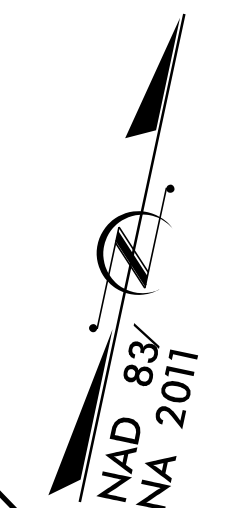




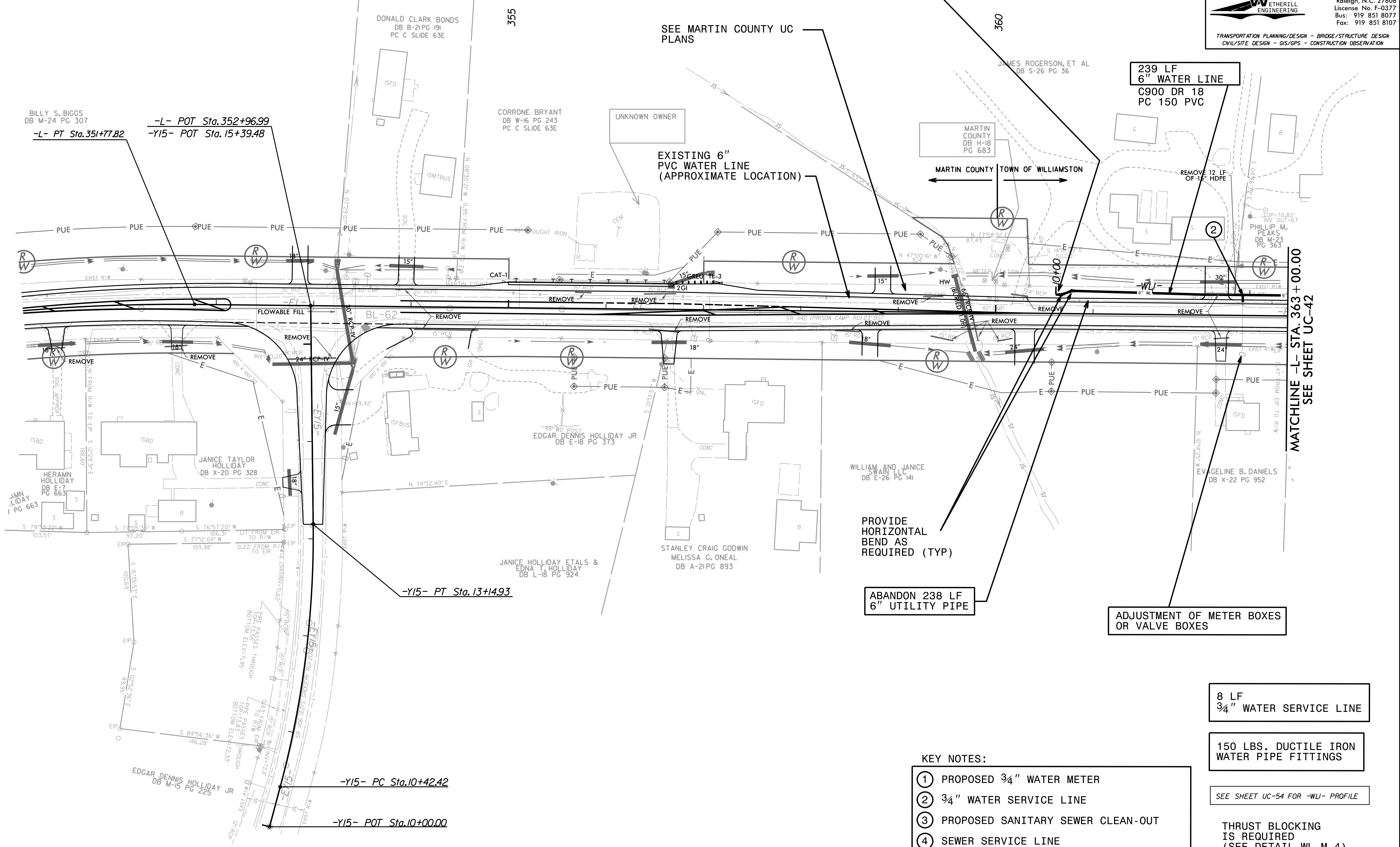
5/14/22

UTILITY CONSTRUCTION PLANS	PROJECT REFERENCE NO.	R-4705	SHEET NO.	UC-41
	DESIGNED BY:	SLK	3/25/2022	
	DRAWN BY:	SLK		
	CHECKED BY:	AMM	NORTH CAROLINA DEPARTMENT OF TRANSPORTATION	
	APPROVED BY:	AMM	UTILITIES ENGINEERING SEC. PHONE: (919) 707-6690 FAX: (919) 250-4151	
REVISED:	UTILITIES ENGINEERING 1223 Jones Franklin Rd. Raleigh, N.C. 27606 License No. F-0377 Bus: 919 851 8077 Fax: 919 851 8107			
TRANSPORTATION PLANNING/DESIGN - BRIDGE/STRUCTURE DESIGN CIVIL/SITE DESIGN - GIS/GPS - CONSTRUCTION OBSERVATION				

FINAL DESIGN  
RELEASE FOR CONSTRUCTION



TIE TO PROPOSED 6" WATER MAIN. (MARTIN COUNTY WATER MAIN)  
RESTRAIN NEW 6" C900 CL 150 DR 18 PVC TO NEW 6" GATE VALVE/TEE.  
COORDINATE WORK WITH TOWN OF WILLIAMSTON.



REVISIONS

MATCHLINE -L- STA. 363 + 00.00  
SEE SHEET UC-42

PROVIDE HORIZONTAL BEND AS REQUIRED (TYP)

ABANDON 238 LF 6" UTILITY PIPE

ADJUSTMENT OF METER BOXES OR VALVE BOXES

8 LF 3/4" WATER SERVICE LINE

150 LBS. DUCTILE IRON WATER PIPE FITTINGS

SEE SHEET UC-54 FOR -WL- PROFILE

THRUST BLOCKING IS REQUIRED (SEE DETAIL WL-M-4)

- KEY NOTES:
- ① PROPOSED 3/4" WATER METER
  - ② 3/4" WATER SERVICE LINE
  - ③ PROPOSED SANITARY SEWER CLEAN-OUT
  - ④ SEWER SERVICE LINE

3/24/2022  
UC-41 - psh.dgn











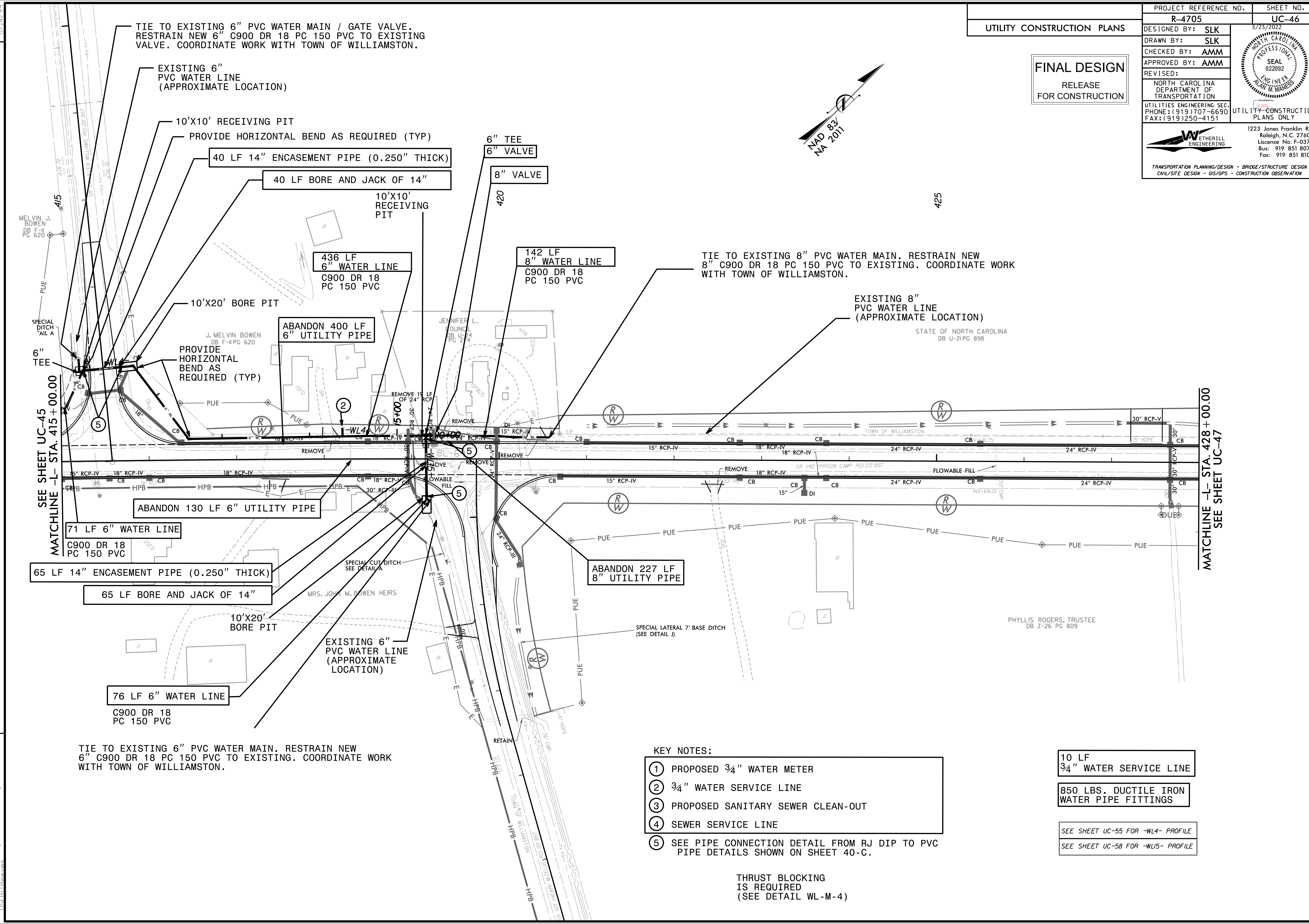






UTILITY CONSTRUCTION PLANS	PROJECT REFERENCE NO.	SHEET NO.
	R-4705	UC-46
	DESIGNED BY: SLK	3/25/2022
	DRAWN BY: SLK	
	CHECKED BY: AMM	
	APPROVED BY: AMM	
	REVISED:	
	NORTH CAROLINA DEPARTMENT OF TRANSPORTATION	
	UTILITIES ENGINEERING SEC. PHONE: (919) 707-6690 FAX: (919) 250-4151	UTILITY CONSTRUCTION PLANS ONLY
		1223 Jones Franklin Rd. Raleigh, N.C. 27606 License No. F-0377 Bus: 919 851 8077 Fax: 919 851 8107
	TRANSPORTATION PLANNING/DESIGN - BRIDGE/STRUCTURE DESIGN CIVIL/SITE DESIGN - GIS/GPS - CONSTRUCTION OBSERVATION	

**FINAL DESIGN**  
RELEASE FOR CONSTRUCTION



TIE TO EXISTING 6" PVC WATER MAIN / GATE VALVE. RESTRAIN NEW 6" C900 DR 18 PC 150 PVC TO EXISTING VALVE. COORDINATE WORK WITH TOWN OF WILLIAMSTON.

EXISTING 6" PVC WATER LINE (APPROXIMATE LOCATION)

10'X10' RECEIVING PIT  
PROVIDE HORIZONTAL BEND AS REQUIRED (TYP)

40 LF 14" ENCASUREMENT PIPE (0.250" THICK)  
40 LF BORE AND JACK OF 14"

10'X10' RECEIVING PIT

436 LF 6" WATER LINE  
C900 DR 18 PC 150 PVC

142 LF 8" WATER LINE  
C900 DR 18 PC 150 PVC

TIE TO EXISTING 8" PVC WATER MAIN. RESTRAIN NEW 8" C900 DR 18 PC 150 PVC TO EXISTING. COORDINATE WORK WITH TOWN OF WILLIAMSTON.

EXISTING 8" PVC WATER LINE (APPROXIMATE LOCATION)

STATE OF NORTH CAROLINA  
DB U-21PG 898

10'X20' BORE PIT  
PROVIDE HORIZONTAL BEND AS REQUIRED (TYP)

ABANDON 400 LF 6" UTILITY PIPE

ABANDON 130 LF 6" UTILITY PIPE

71 LF 6" WATER LINE  
C900 DR 18 PC 150 PVC

65 LF 14" ENCASUREMENT PIPE (0.250" THICK)  
65 LF BORE AND JACK OF 14"

10'X20' BORE PIT

ABANDON 227 LF 8" UTILITY PIPE

76 LF 6" WATER LINE  
C900 DR 18 PC 150 PVC

EXISTING 6" PVC WATER LINE (APPROXIMATE LOCATION)

TIE TO EXISTING 6" PVC WATER MAIN. RESTRAIN NEW 6" C900 DR 18 PC 150 PVC TO EXISTING. COORDINATE WORK WITH TOWN OF WILLIAMSTON.

**KEY NOTES:**

- ① PROPOSED 3/4" WATER METER
- ② 3/4" WATER SERVICE LINE
- ③ PROPOSED SANITARY SEWER CLEAN-OUT
- ④ SEWER SERVICE LINE
- ⑤ SEE PIPE CONNECTION DETAIL FROM RJ DIP TO PVC PIPE DETAILS SHOWN ON SHEET 40-C.

10 LF  
3/4" WATER SERVICE LINE

850 LBS. DUCTILE IRON  
WATER PIPE FITTINGS

SEE SHEET UC-55 FOR -WL4- PROFILE

SEE SHEET UC-58 FOR -WL5- PROFILE

THRUST BLOCKING IS REQUIRED (SEE DETAIL WL-M-4)

REVISIONS

5/14/2022 3:23:08 PM r.dj36.uc46.psh.dgn





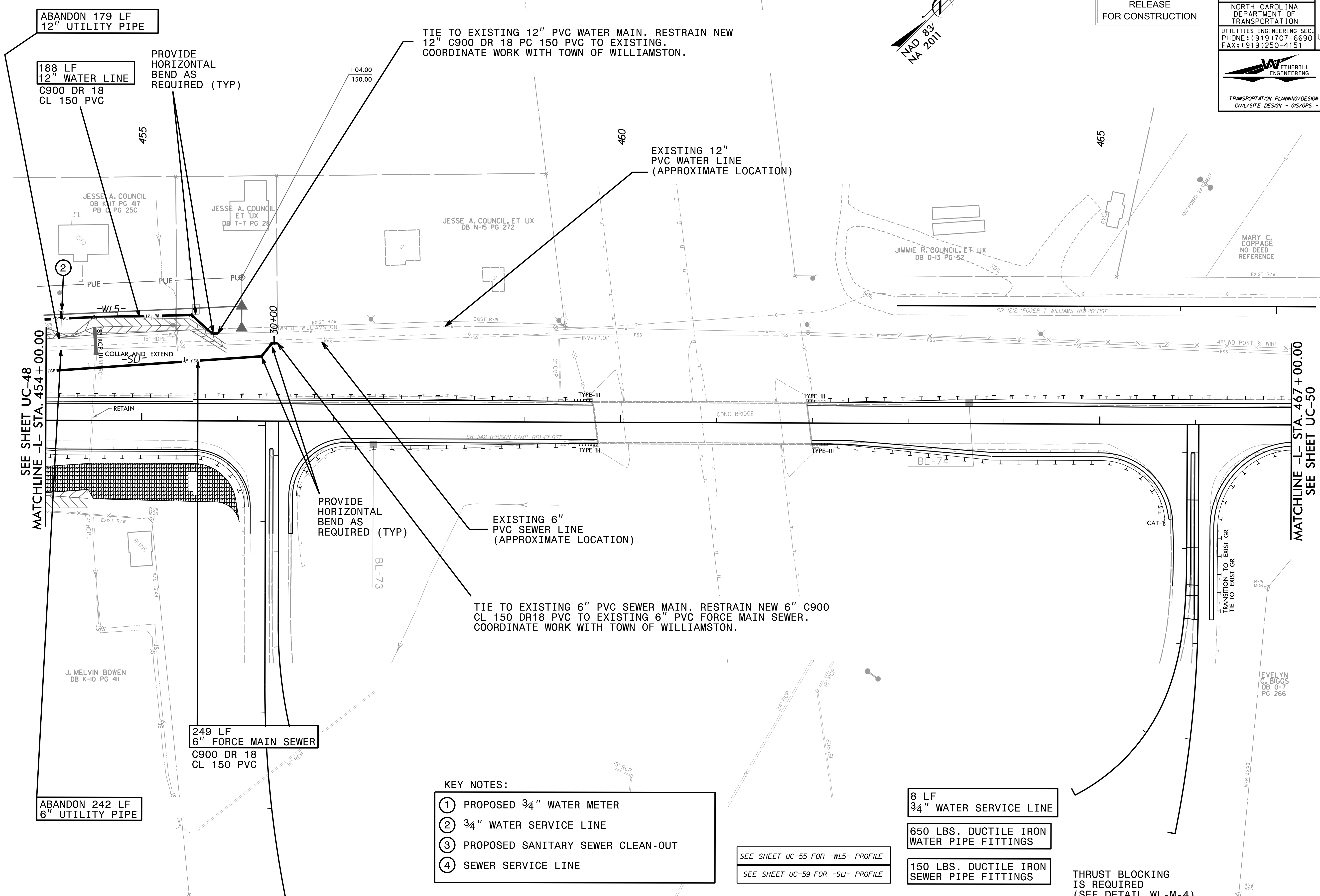
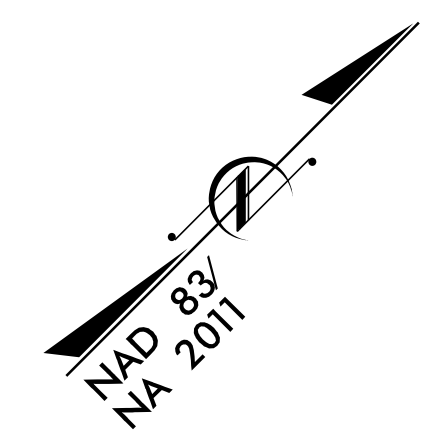






5/14/2022

UTILITY CONSTRUCTION PLANS		PROJECT REFERENCE NO. <b>R-4705</b>	SHEET NO. <b>UC-49</b>
DESIGNED BY: <b>SLK</b>		3/25/2022	
DRAWN BY: <b>SLK</b>			
CHECKED BY: <b>AMM</b>			
APPROVED BY: <b>AMM</b>		NORTH CAROLINA DEPARTMENT OF TRANSPORTATION	
REVISED:		UTILITIES ENGINEERING SEC. PHONE: (919) 707-6690 FAX: (919) 250-4151	
<div style="border: 1px solid black; padding: 5px; text-align: center;"> <b>FINAL DESIGN</b>          RELEASE FOR CONSTRUCTION       </div>		1223 Jones Franklin Rd. Raleigh, N.C. 27606 License No. F-0377 Bus: 919 851 8077 Fax: 919 851 8107	
		TRANSPORTATION PLANNING/DESIGN - BRIDGE/STRUCTURE DESIGN CIVIL/SITE DESIGN - GIS/GPS - CONSTRUCTION OBSERVATION	



ABANDON 179 LF 12" UTILITY PIPE

188 LF 12" WATER LINE C900 DR 18 CL 150 PVC

PROVIDE HORIZONTAL BEND AS REQUIRED (TYP)

TIE TO EXISTING 12" PVC WATER MAIN. RESTRAIN NEW 12" C900 DR 18 PC 150 PVC TO EXISTING. COORDINATE WORK WITH TOWN OF WILLIAMSTON.

EXISTING 12" PVC WATER LINE (APPROXIMATE LOCATION)

SEE SHEET UC-48 MATCHLINE -L- STA. 454+00.00

MATCHLINE -R- STA. 467+00.00 SEE SHEET UC-50

PROVIDE HORIZONTAL BEND AS REQUIRED (TYP)

EXISTING 6" PVC SEWER LINE (APPROXIMATE LOCATION)

TIE TO EXISTING 6" PVC SEWER MAIN. RESTRAIN NEW 6" C900 CL 150 DR18 PVC TO EXISTING 6" PVC FORCE MAIN SEWER. COORDINATE WORK WITH TOWN OF WILLIAMSTON.

249 LF 6" FORCE MAIN SEWER C900 DR 18 CL 150 PVC

ABANDON 242 LF 6" UTILITY PIPE

- KEY NOTES:
- ① PROPOSED 3/4" WATER METER
  - ② 3/4" WATER SERVICE LINE
  - ③ PROPOSED SANITARY SEWER CLEAN-OUT
  - ④ SEWER SERVICE LINE

SEE SHEET UC-55 FOR -WL5- PROFILE  
SEE SHEET UC-59 FOR -SL1- PROFILE

8 LF 3/4" WATER SERVICE LINE

650 LBS. DUCTILE IRON WATER PIPE FITTINGS

150 LBS. DUCTILE IRON SEWER PIPE FITTINGS

THRUST BLOCKING IS REQUIRED (SEE DETAIL WL-M-4)

REVISIONS

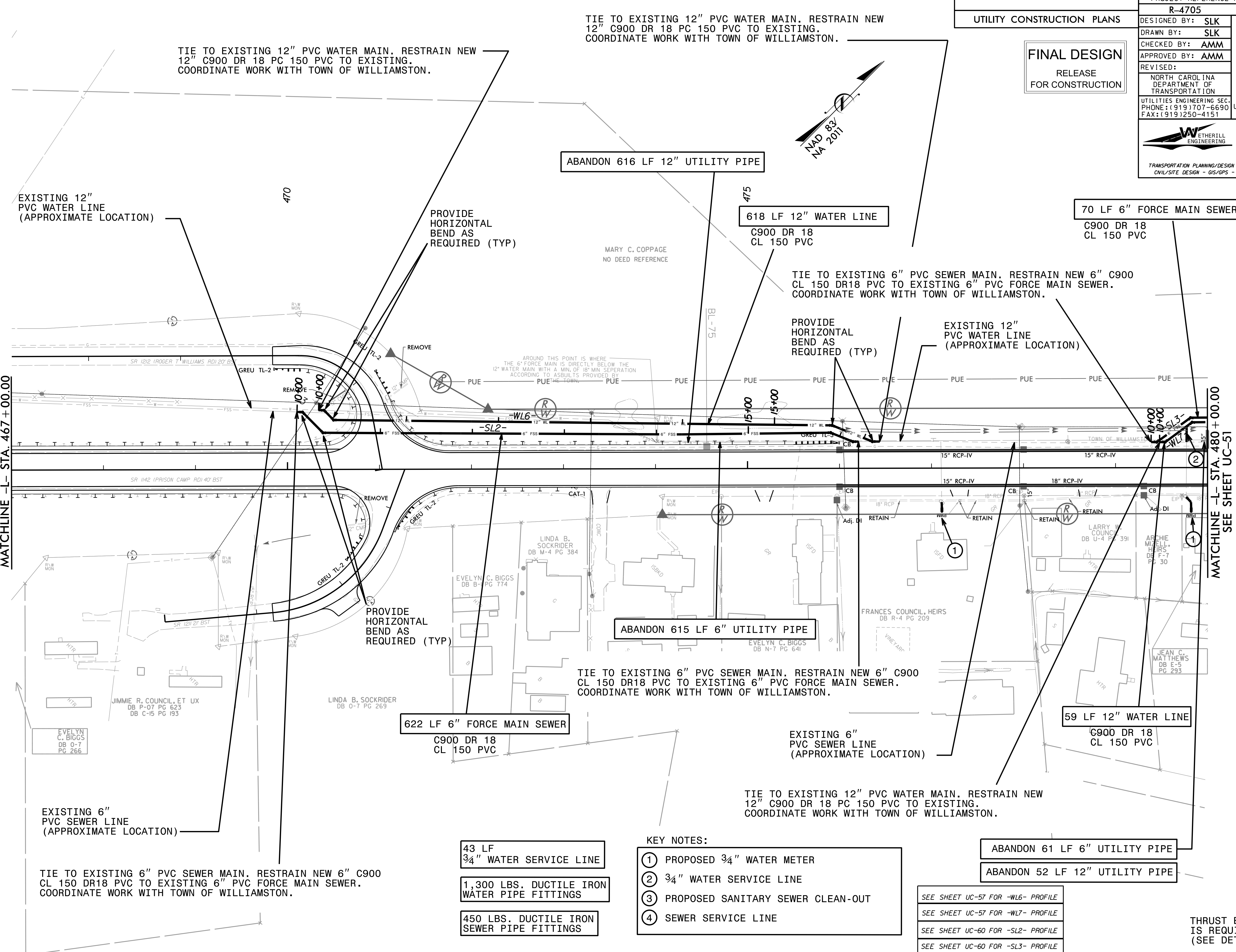
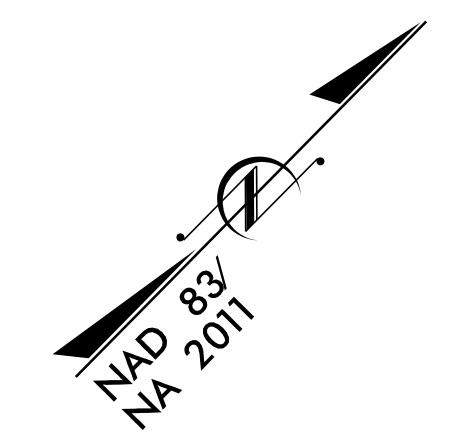
3/24/2022  
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5/14/2022

PROJECT REFERENCE NO.		SHEET NO.	
R-4705		UC-50	
UTILITY CONSTRUCTION PLANS			
DESIGNED BY:	SLK		
DRAWN BY:	SLK		
CHECKED BY:	AMM		
APPROVED BY:	AMM		
REVISED:			
NORTH CAROLINA DEPARTMENT OF TRANSPORTATION		UTILITIES CONSTRUCTION PLANS ONLY	
UTILITIES ENGINEERING SEC. PHONE: (919) 707-6690 FAX: (919) 250-4151		1223 Jones Franklin Rd. Raleigh, N.C. 27606 License No. F-0377 Bus: 919 851 8077 Fax: 919 851 8107	
TRANSPORTATION PLANNING/DESIGN - BRIDGE/STRUCTURE DESIGN CIVIL/SITE DESIGN - GIS/GPS - CONSTRUCTION OBSERVATION			

**FINAL DESIGN**  
RELEASE FOR CONSTRUCTION



TIE TO EXISTING 12" PVC WATER MAIN. RESTRAIN NEW 12" C900 DR 18 PC 150 PVC TO EXISTING. COORDINATE WORK WITH TOWN OF WILLIAMSTON.

TIE TO EXISTING 12" PVC WATER MAIN. RESTRAIN NEW 12" C900 DR 18 PC 150 PVC TO EXISTING. COORDINATE WORK WITH TOWN OF WILLIAMSTON.

ABANDON 616 LF 12" UTILITY PIPE

618 LF 12" WATER LINE  
C900 DR 18  
CL 150 PVC

70 LF 6" FORCE MAIN SEWER  
C900 DR 18  
CL 150 PVC

TIE TO EXISTING 6" PVC SEWER MAIN. RESTRAIN NEW 6" C900 CL 150 DR18 PVC TO EXISTING 6" PVC FORCE MAIN SEWER. COORDINATE WORK WITH TOWN OF WILLIAMSTON.

TIE TO EXISTING 6" PVC SEWER MAIN. RESTRAIN NEW 6" C900 CL 150 DR18 PVC TO EXISTING 6" PVC FORCE MAIN SEWER. COORDINATE WORK WITH TOWN OF WILLIAMSTON.

ABANDON 615 LF 6" UTILITY PIPE

622 LF 6" FORCE MAIN SEWER  
C900 DR 18  
CL 150 PVC

59 LF 12" WATER LINE  
C900 DR 18  
CL 150 PVC

TIE TO EXISTING 12" PVC WATER MAIN. RESTRAIN NEW 12" C900 DR 18 PC 150 PVC TO EXISTING. COORDINATE WORK WITH TOWN OF WILLIAMSTON.

TIE TO EXISTING 6" PVC SEWER MAIN. RESTRAIN NEW 6" C900 CL 150 DR18 PVC TO EXISTING 6" PVC FORCE MAIN SEWER. COORDINATE WORK WITH TOWN OF WILLIAMSTON.

43 LF  
3/4" WATER SERVICE LINE

1,300 LBS. DUCTILE IRON  
WATER PIPE FITTINGS

450 LBS. DUCTILE IRON  
SEWER PIPE FITTINGS

- KEY NOTES:
- ① PROPOSED 3/4" WATER METER
  - ② 3/4" WATER SERVICE LINE
  - ③ PROPOSED SANITARY SEWER CLEAN-OUT
  - ④ SEWER SERVICE LINE

ABANDON 61 LF 6" UTILITY PIPE

ABANDON 52 LF 12" UTILITY PIPE

SEE SHEET UC-57 FOR -WL6- PROFILE  
 SEE SHEET UC-57 FOR -WL7- PROFILE  
 SEE SHEET UC-60 FOR -SL2- PROFILE  
 SEE SHEET UC-60 FOR -SL3- PROFILE

THRUST BLOCKING IS REQUIRED (SEE DETAIL WL-M-4)

REVISIONS

SEE SHEET UC-49  
MATCHLINE -L- STA. 467 + 00.00

MATCHLINE -L- STA. 480 + 00.00  
SEE SHEET UC-51

3/24/2022  
UC50.dwg  
UC50.psh













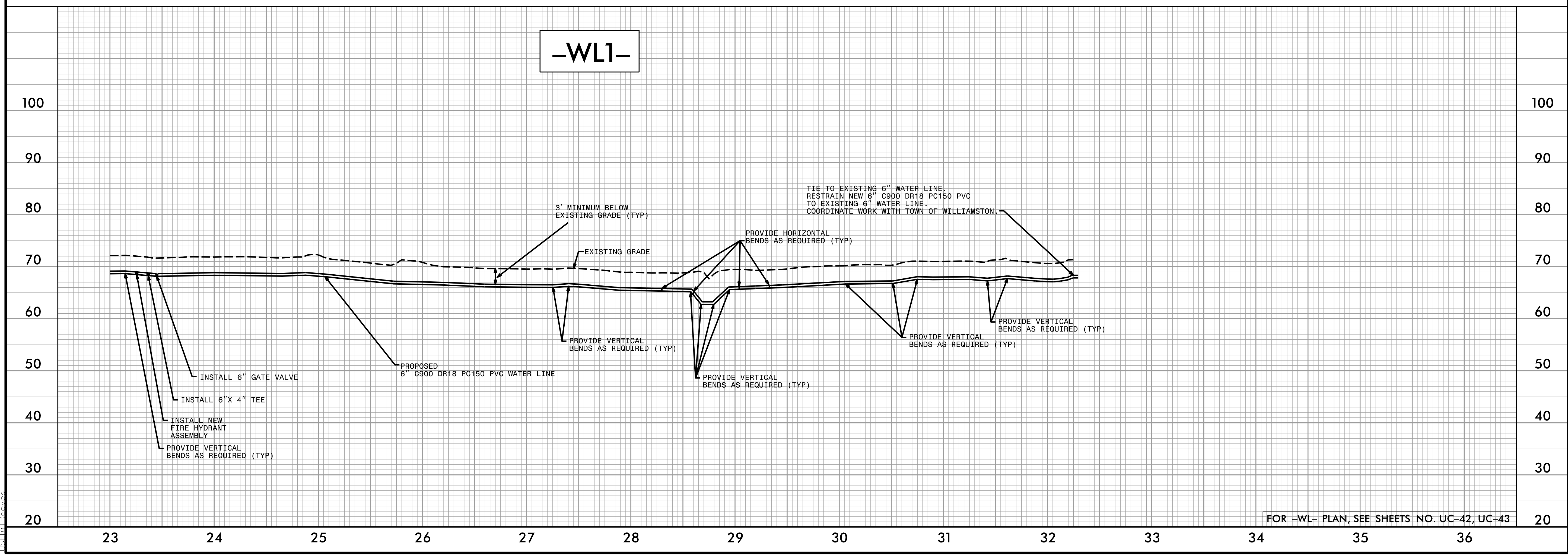
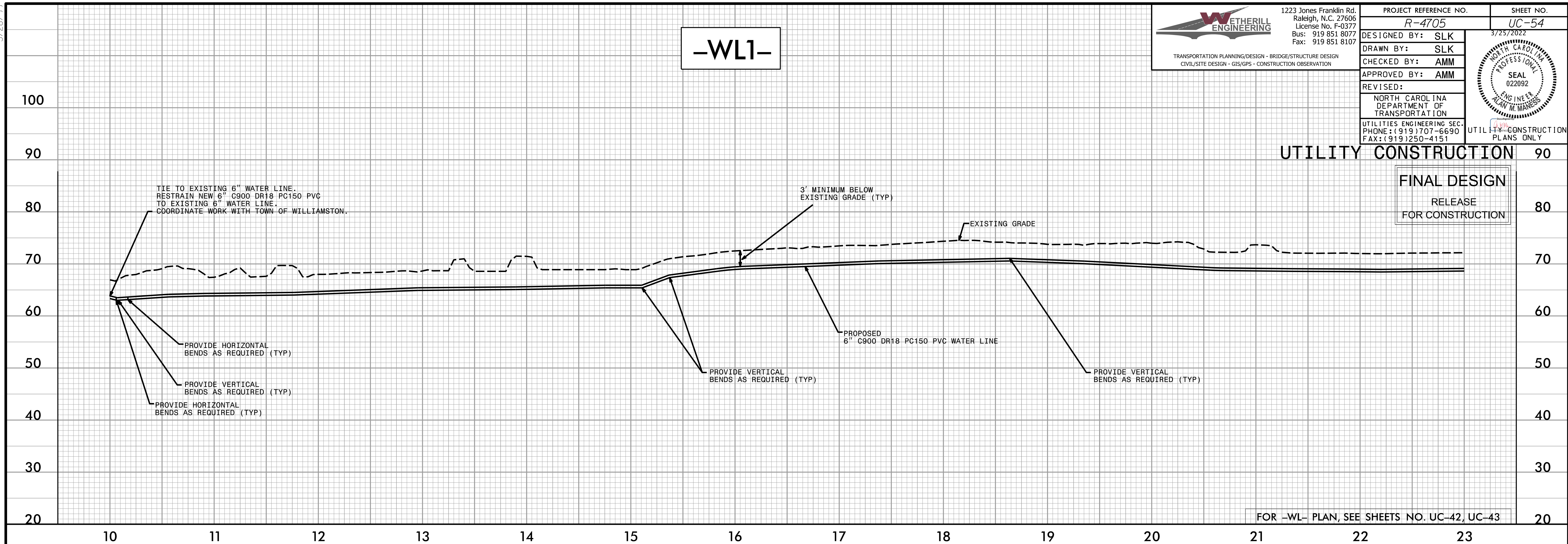


5/28/22

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 Bus: 919 851 8077  
 Fax: 919 851 8107

TRANSPORTATION PLANNING/DESIGN - BRIDGE/STRUCTURE DESIGN  
 CIVIL/SITE DESIGN - GIS/GPS - CONSTRUCTION OBSERVATION

PROJECT REFERENCE NO. <i>R-4705</i>	SHEET NO. <i>UC-54</i>
DESIGNED BY: <b>SLK</b>	3/25/2022
DRAWN BY: <b>SLK</b>	
CHECKED BY: <b>AMM</b>	
APPROVED BY: <b>AMM</b>	
REVISED:	
NORTH CAROLINA DEPARTMENT OF TRANSPORTATION UTILITIES ENGINEERING SEC. PHONE: (919) 707-6690 FAX: (919) 250-4151	



3/24/2022  
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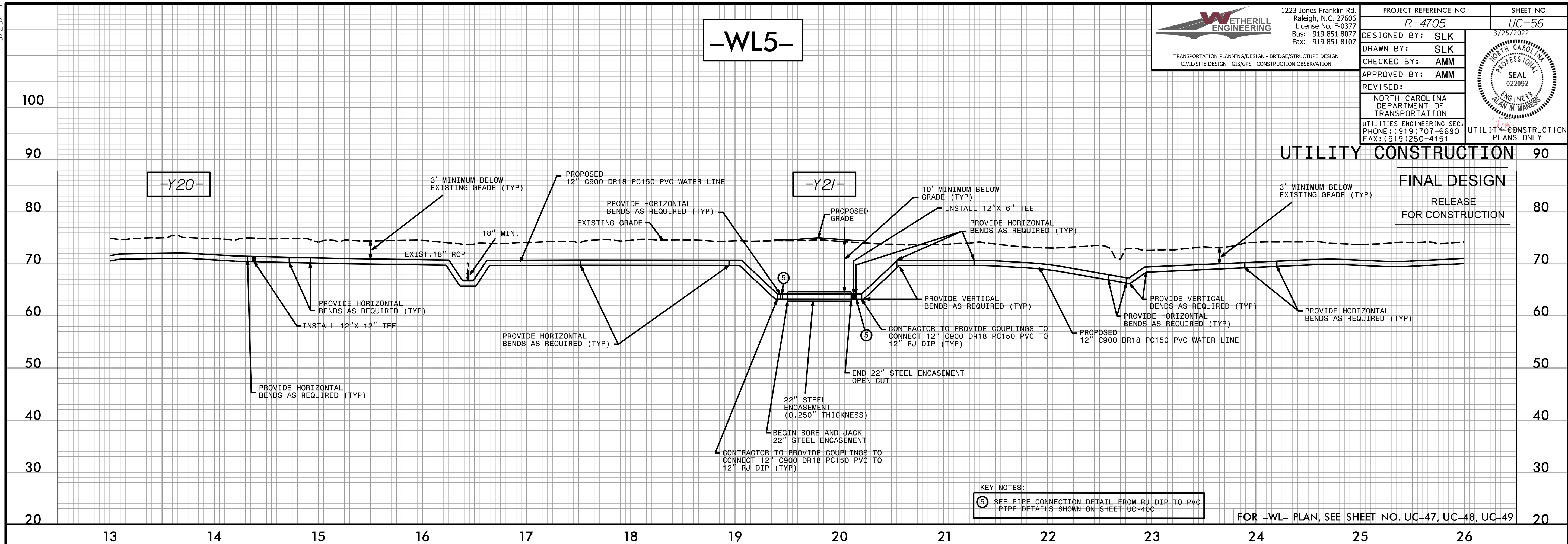


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 License No. F-0377  
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TRANSPORTATION PLANNING/DESIGN - BRIDGE/STRUCTURE DESIGN  
 CIVIL/SITE DESIGN - GIS/GPS - CONSTRUCTION OBSERVATION

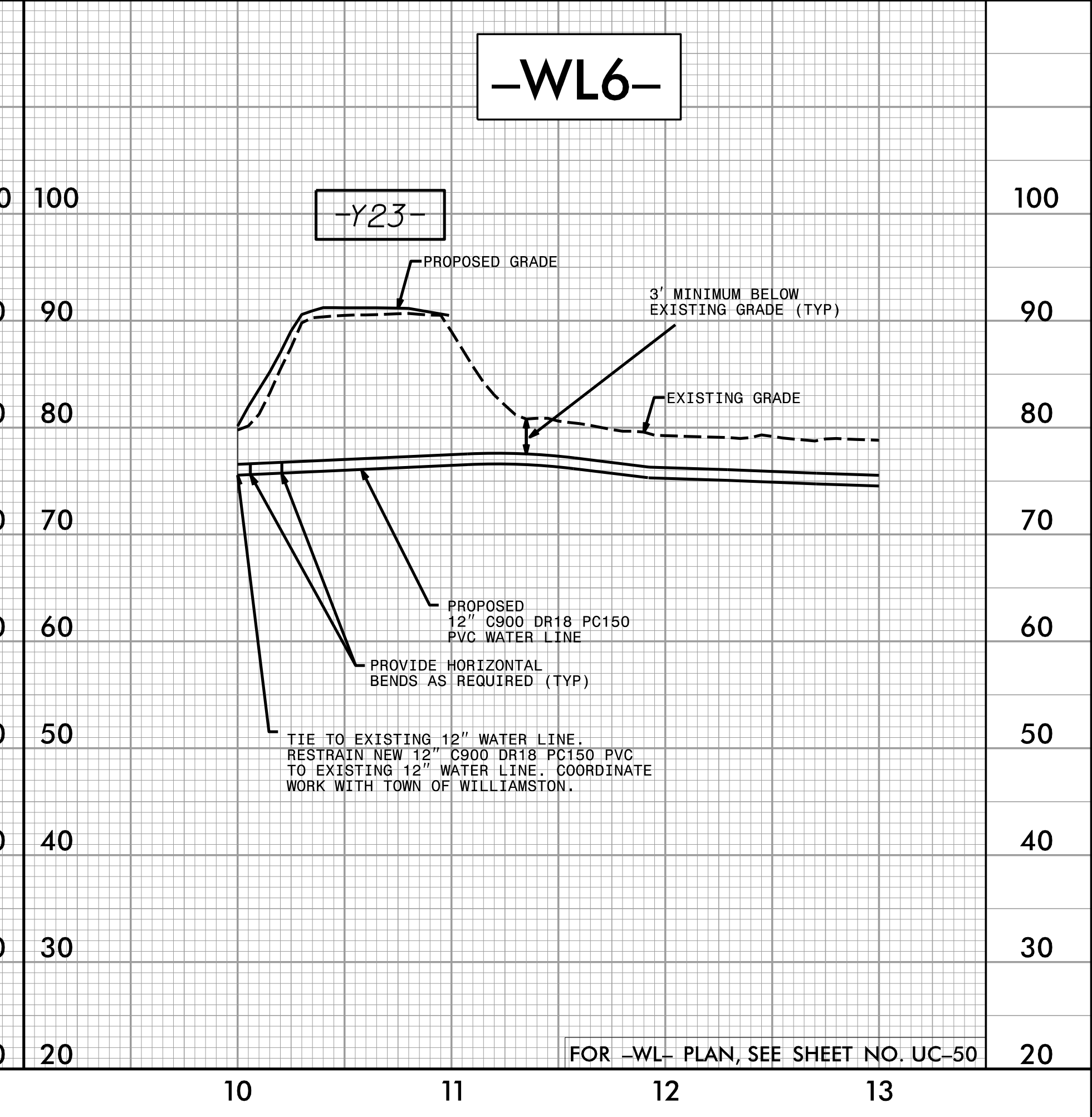
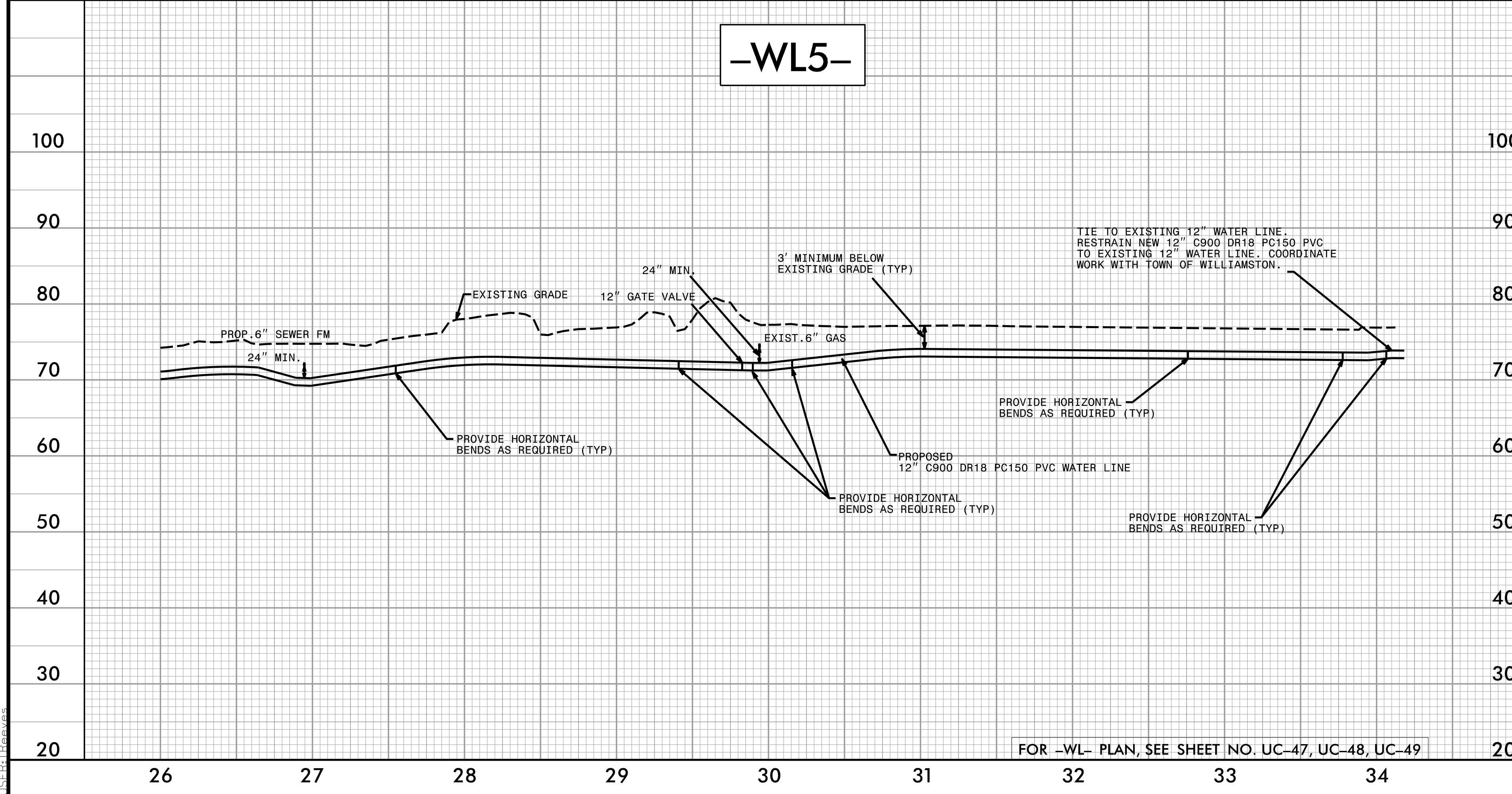
PROJECT REFERENCE NO. <b>R-4705</b>	SHEET NO. <b>UC-56</b>
DESIGNED BY: <b>SLK</b>	3/25/2022
DRAWN BY: <b>SLK</b>	
CHECKED BY: <b>AMM</b>	
APPROVED BY: <b>AMM</b>	
REVISED:	NORTH CAROLINA DEPARTMENT OF TRANSPORTATION UTILITIES ENGINEERING SEC. PHONE: (919) 707-6690 FAX: (919) 250-4151



**UTILITY CONSTRUCTION**

**FINAL DESIGN**

**RELEASE FOR CONSTRUCTION**



3/24/2022  
UC56.dgn  
UC56.dgn

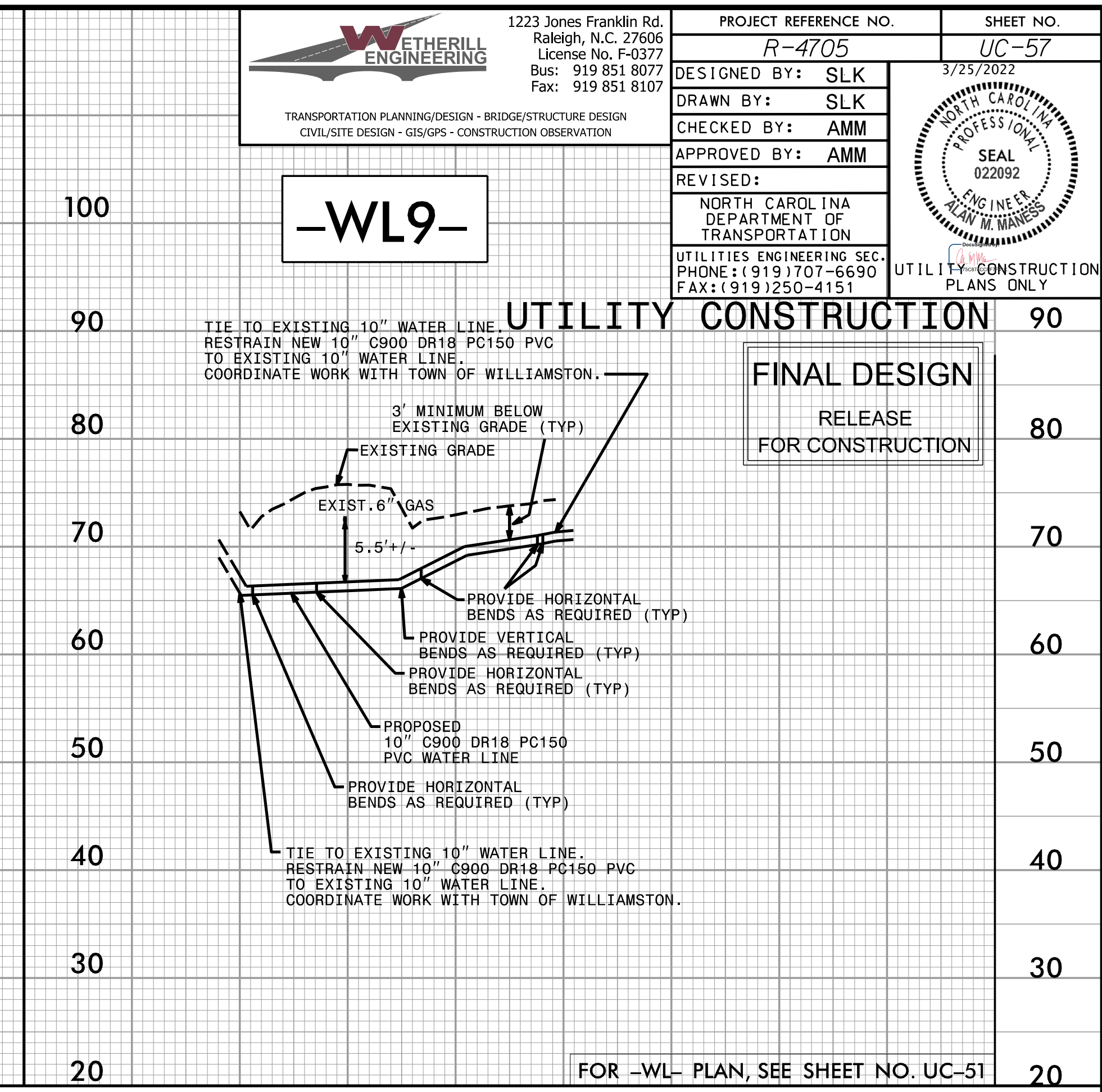
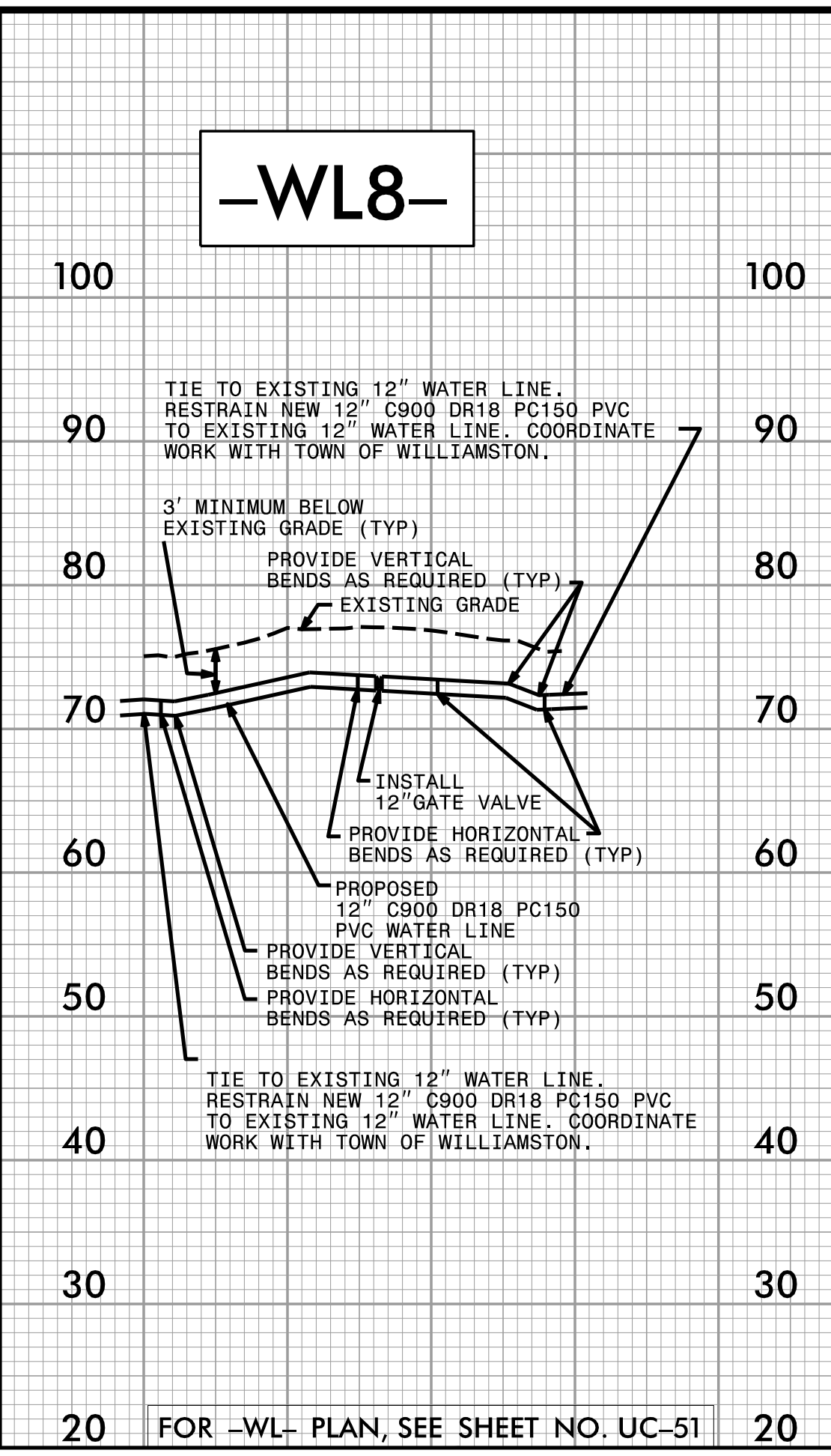
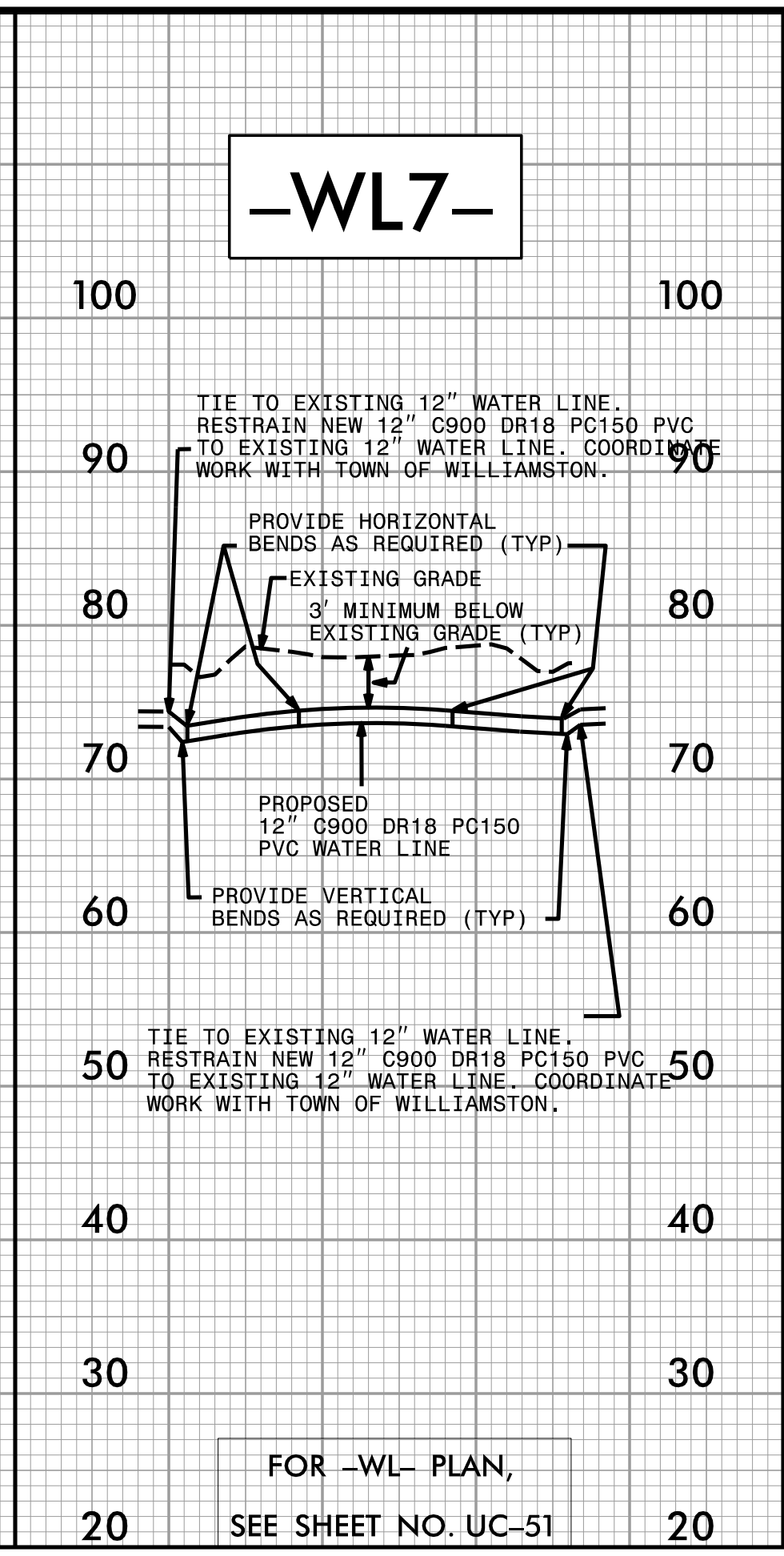
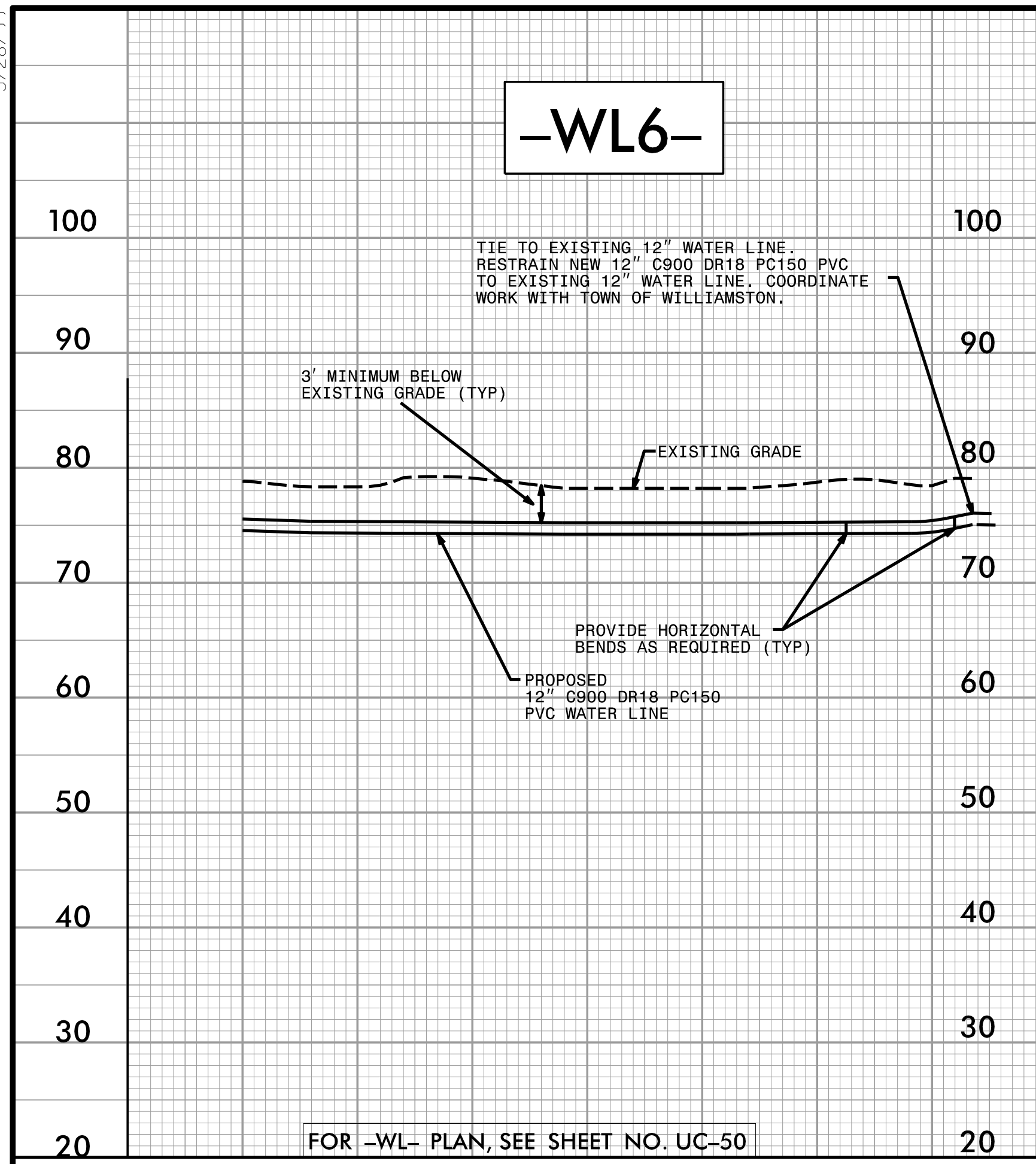


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TRANSPORTATION PLANNING/DESIGN - BRIDGE/STRUCTURE DESIGN  
 CIVIL/SITE DESIGN - GIS/GPS - CONSTRUCTION OBSERVATION

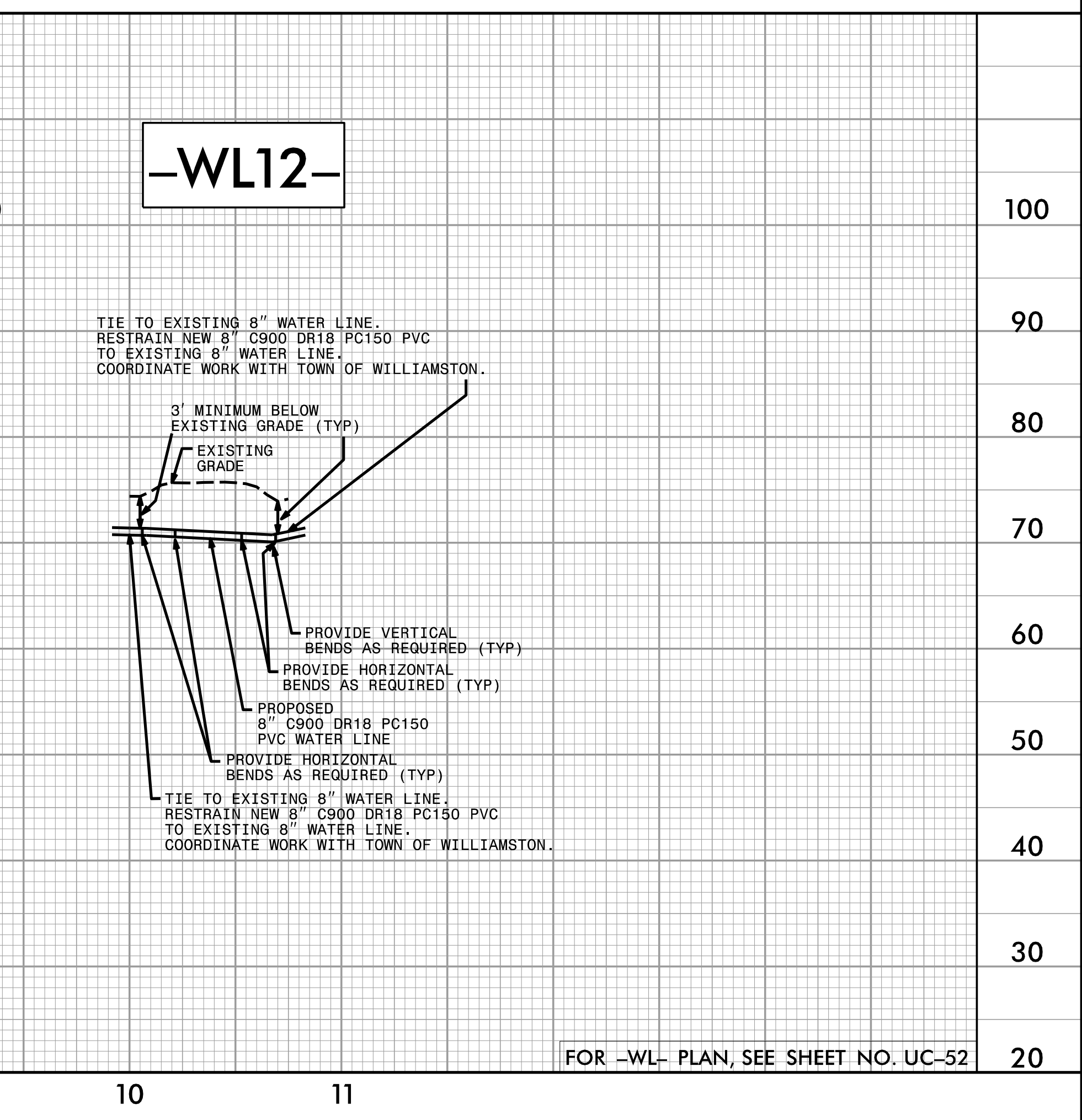
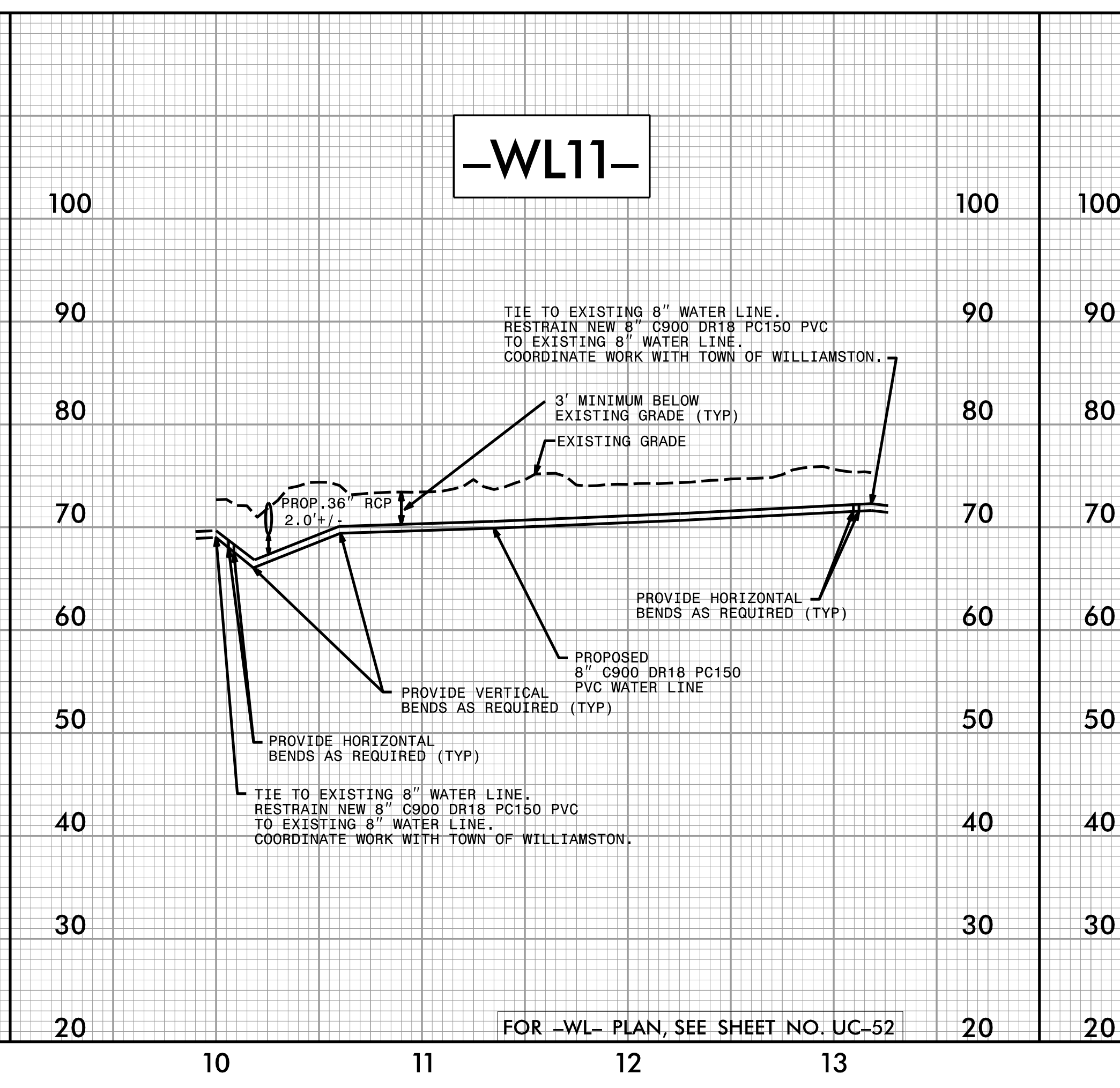
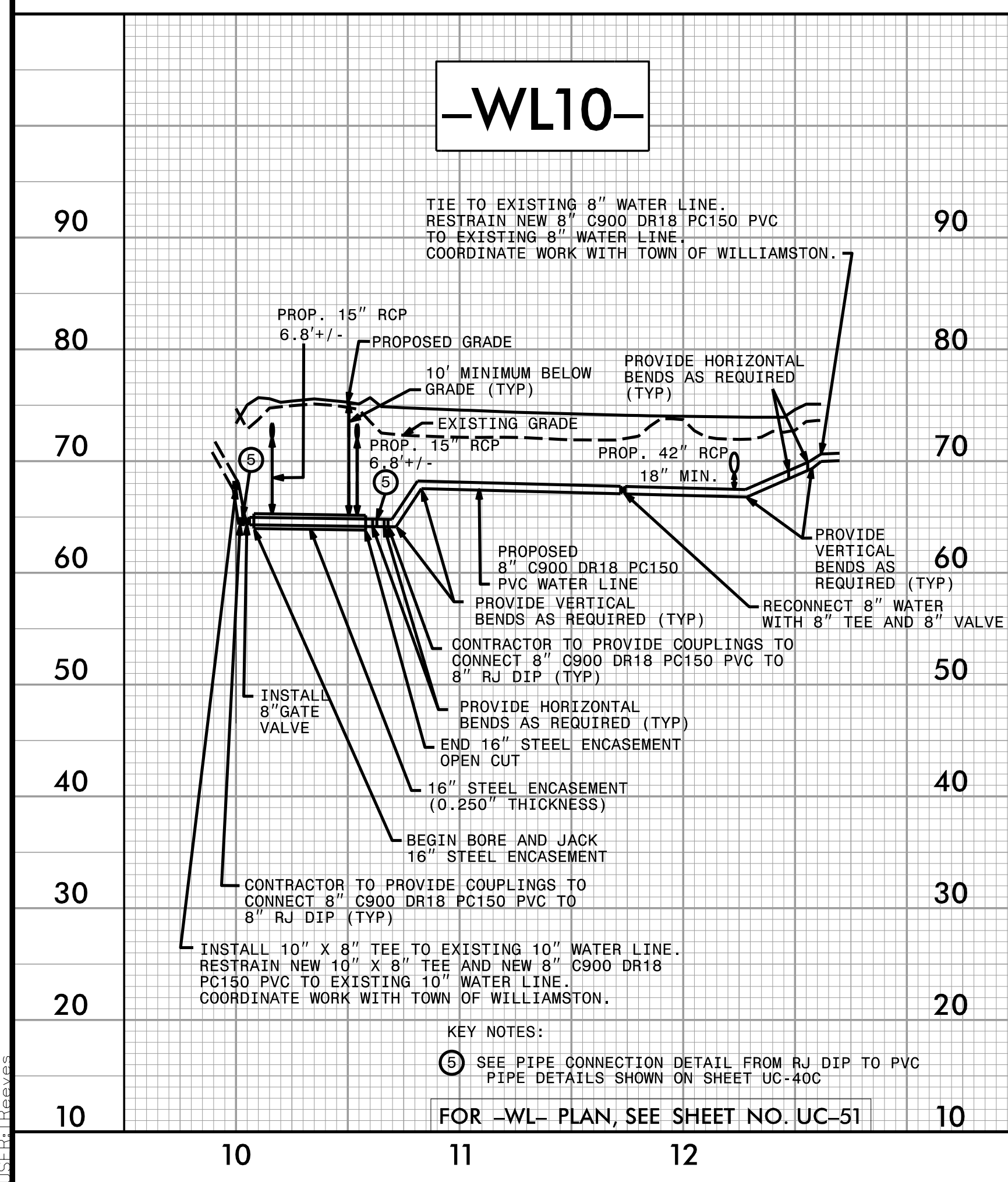
PROJECT REFERENCE NO. <b>R-4705</b>	SHEET NO. <b>UC-57</b>
DESIGNED BY: <b>SLK</b>	3/25/2022
DRAWN BY: <b>SLK</b>	
CHECKED BY: <b>AMM</b>	
APPROVED BY: <b>AMM</b>	
REVISED:	UTILITY CONSTRUCTION PLANS ONLY



**UTILITY CONSTRUCTION**

**FINAL DESIGN**

RELEASE FOR CONSTRUCTION



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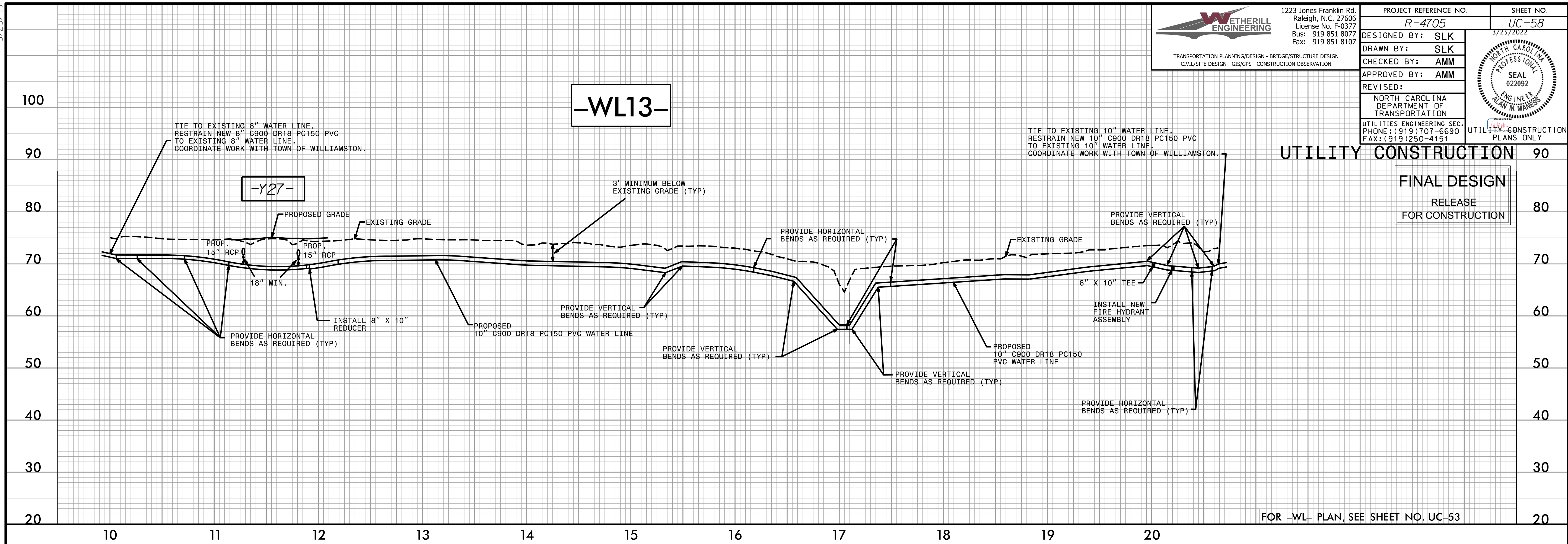


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 License No. F-0377  
 Bus: 919 851 8077  
 Fax: 919 851 8107

TRANSPORTATION PLANNING/DESIGN - BRIDGE/STRUCTURE DESIGN  
 CIVIL/SITE DESIGN - GIS/GPS - CONSTRUCTION OBSERVATION

PROJECT REFERENCE NO. <b>R-4705</b>	SHEET NO. <b>UC-58</b>
DESIGNED BY: <b>SLK</b>	3/23/2022
DRAWN BY: <b>SLK</b>	
CHECKED BY: <b>AMM</b>	
APPROVED BY: <b>AMM</b>	
REVISED:	
NORTH CAROLINA DEPARTMENT OF TRANSPORTATION UTILITIES ENGINEERING SEC. PHONE: (919) 707-6690 FAX: (919) 250-4151	

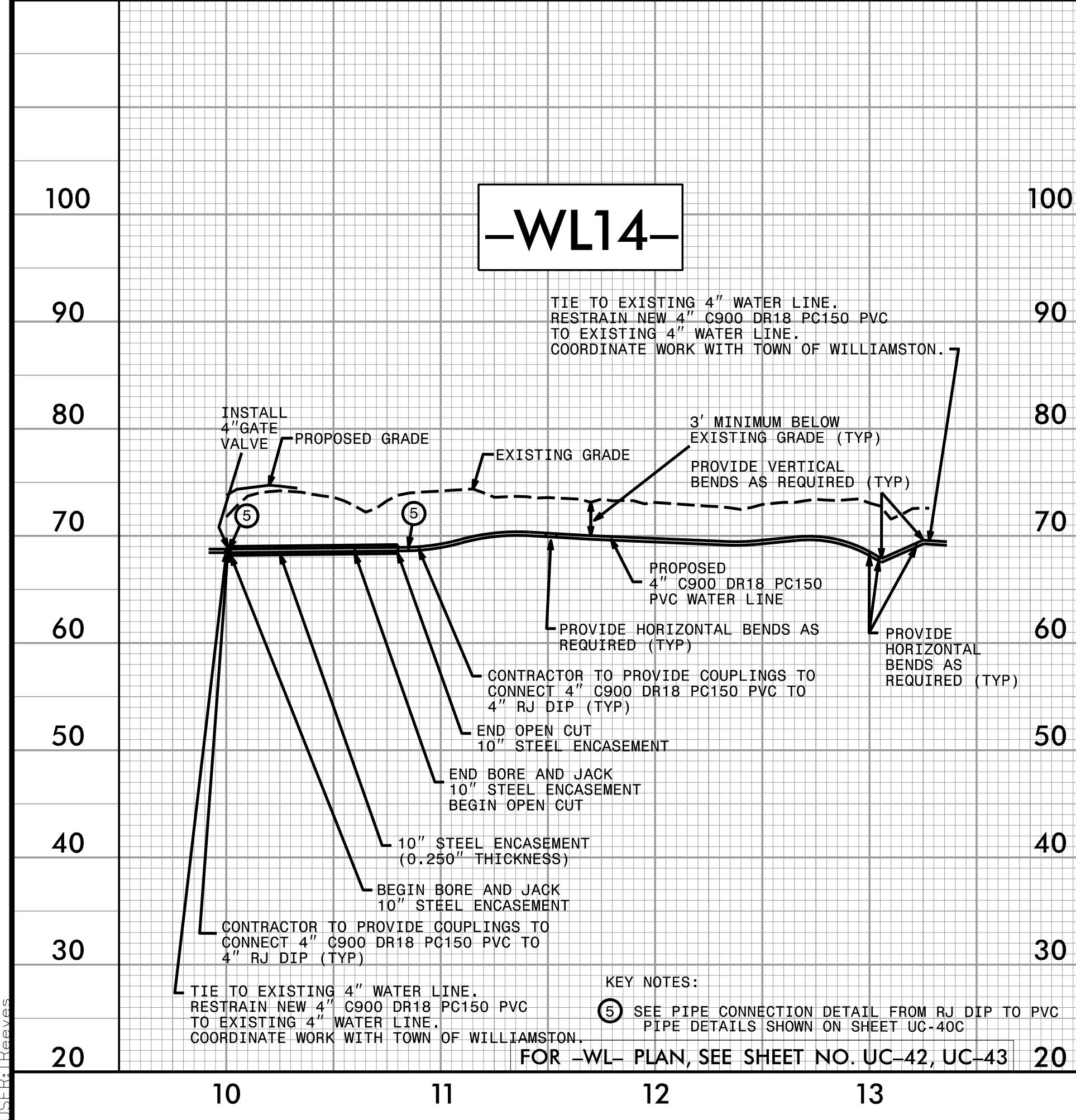


**UTILITY CONSTRUCTION**

**FINAL DESIGN**

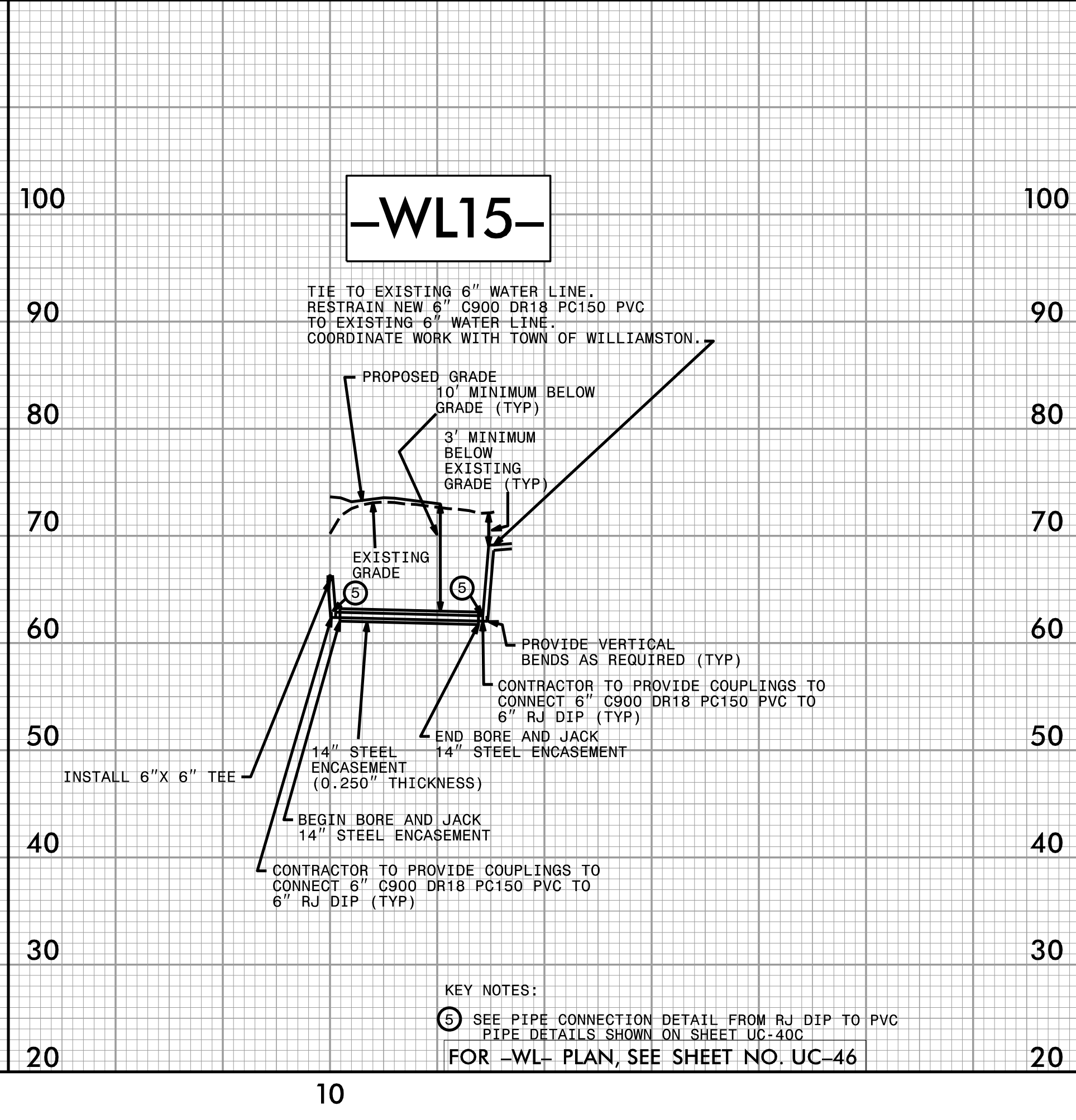
RELEASE FOR CONSTRUCTION

FOR -WL- PLAN, SEE SHEET NO. UC-53



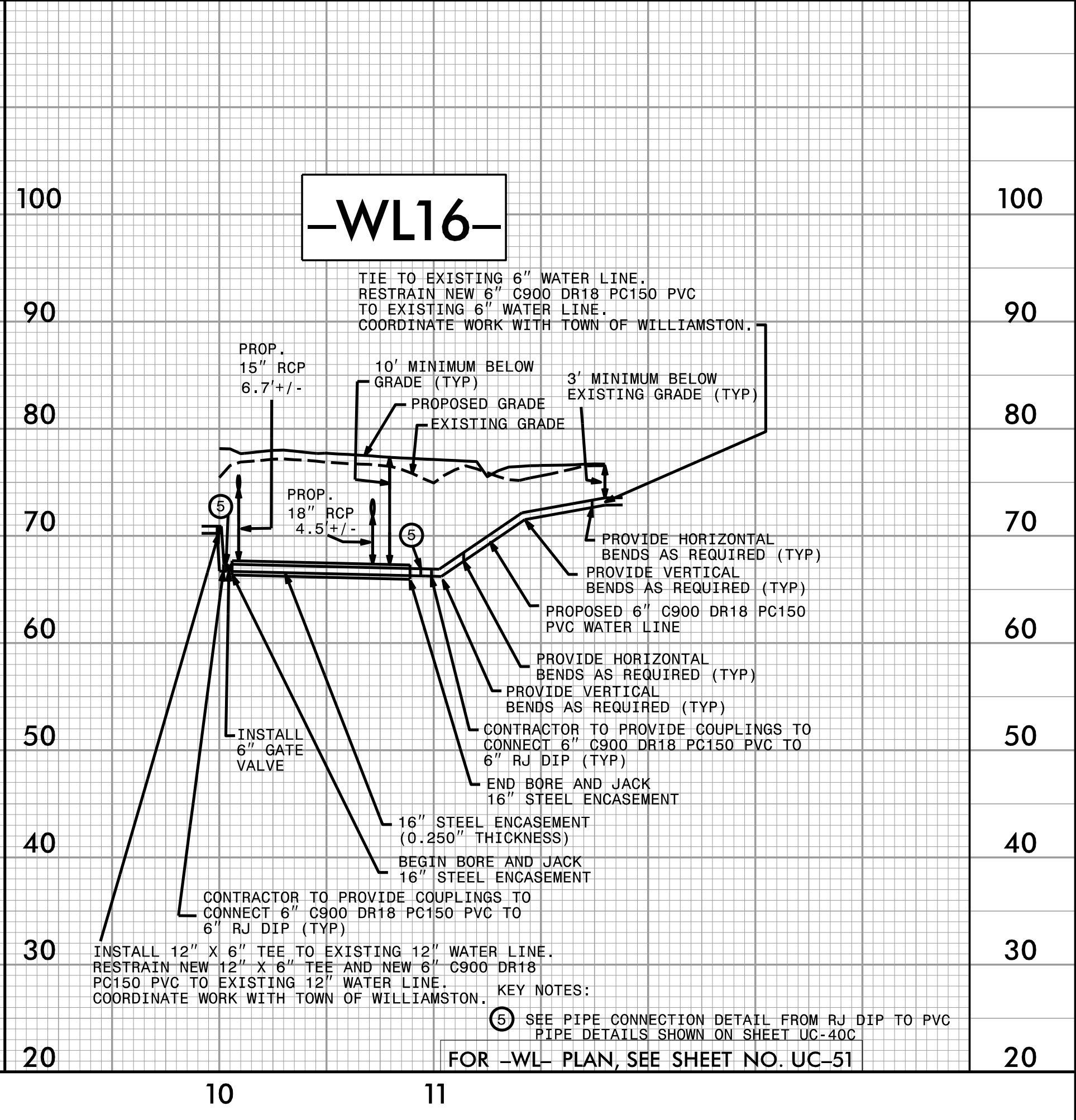
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FOR -WL- PLAN, SEE SHEET NO. UC-42, UC-43



**-WL15-**

FOR -WL- PLAN, SEE SHEET NO. UC-46



**-WL16-**

FOR -WL- PLAN, SEE SHEET NO. UC-51

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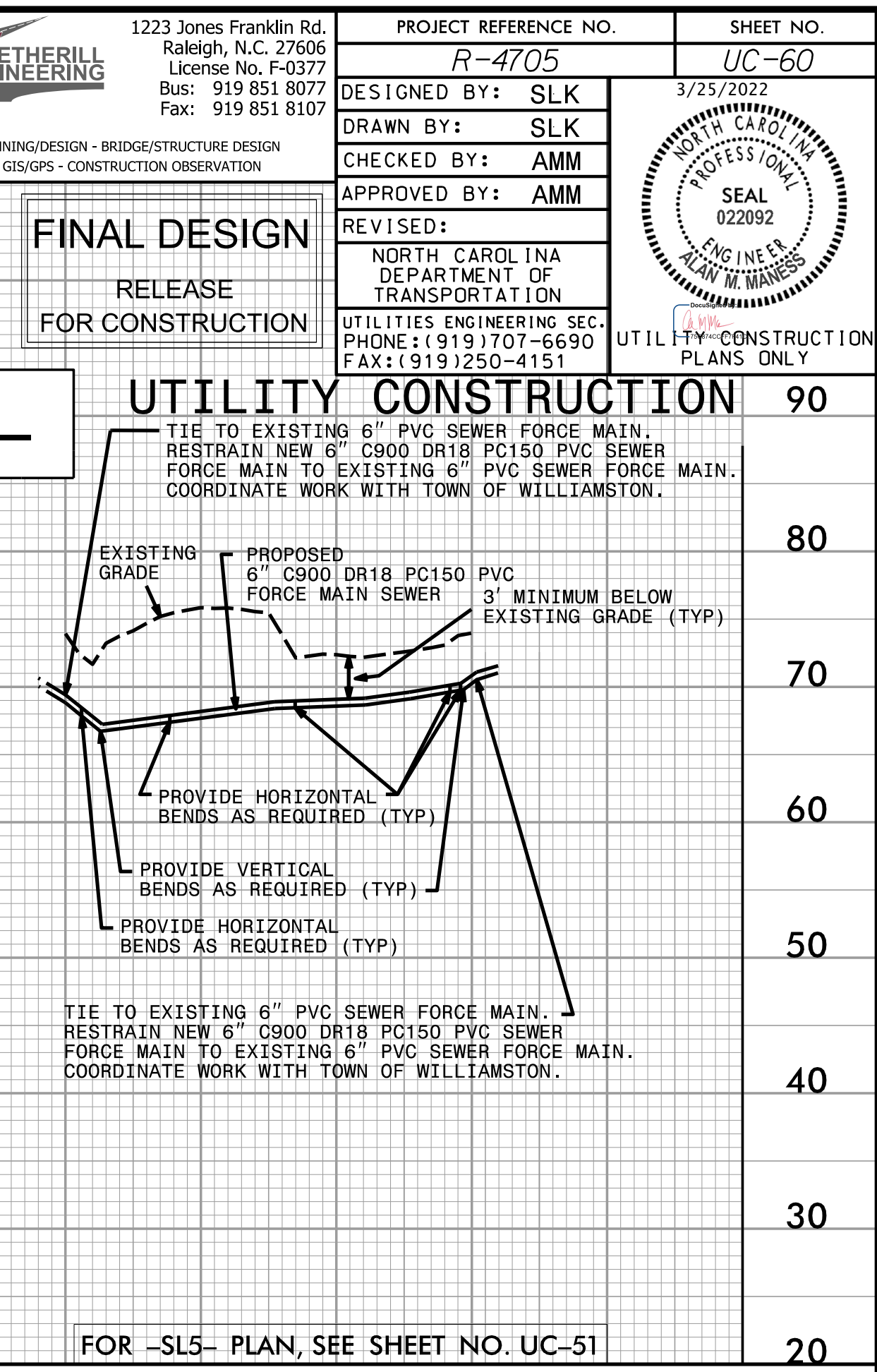
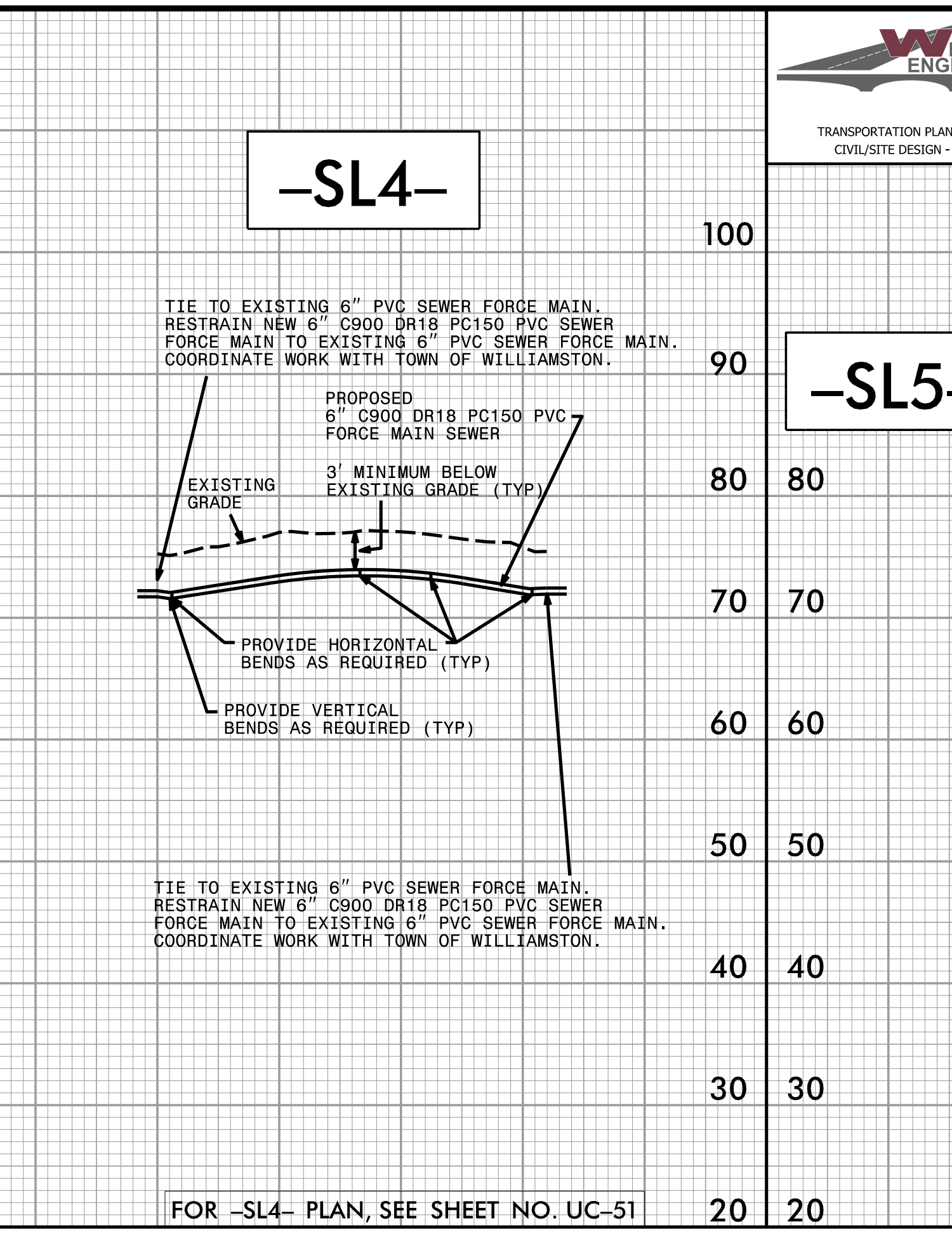
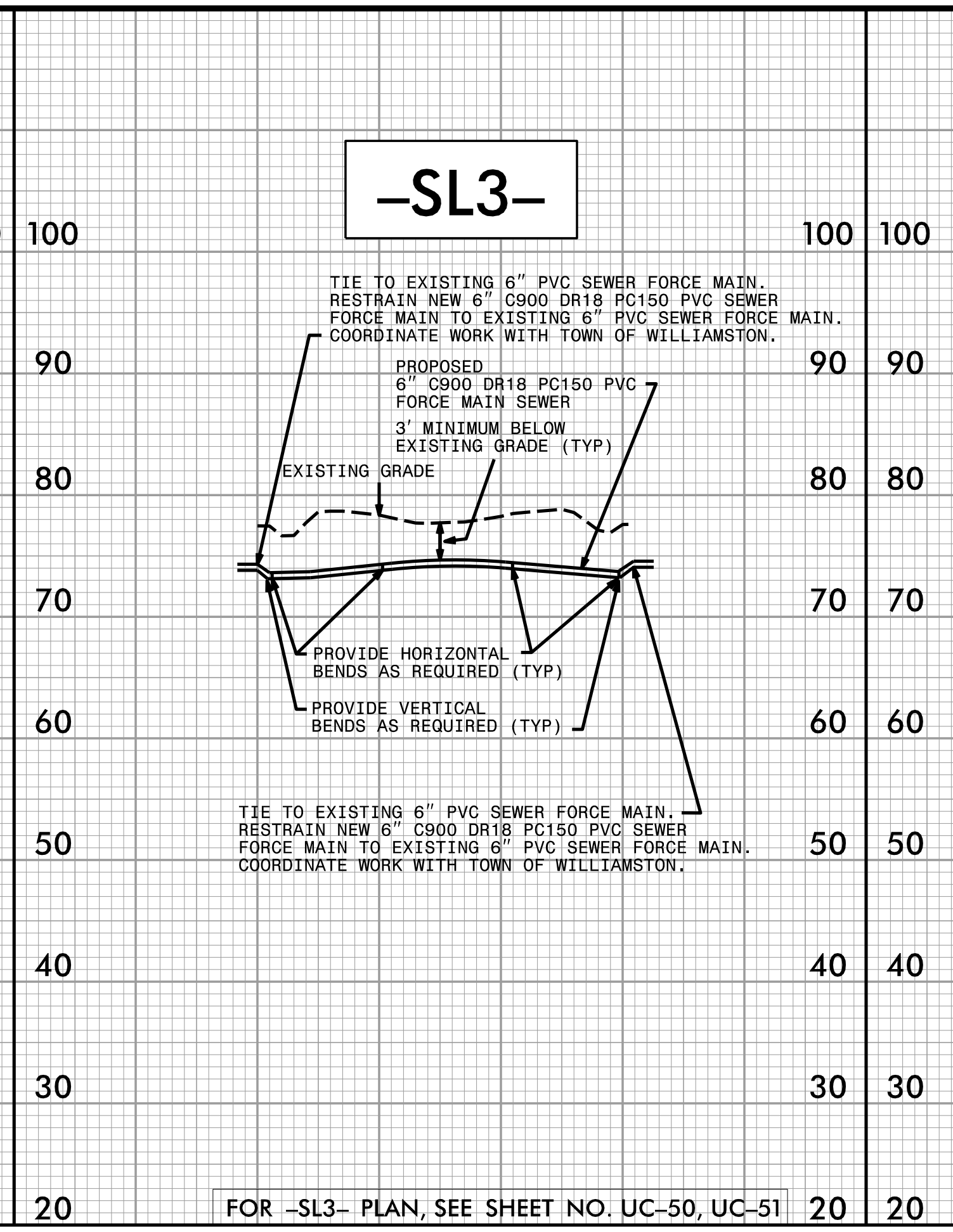
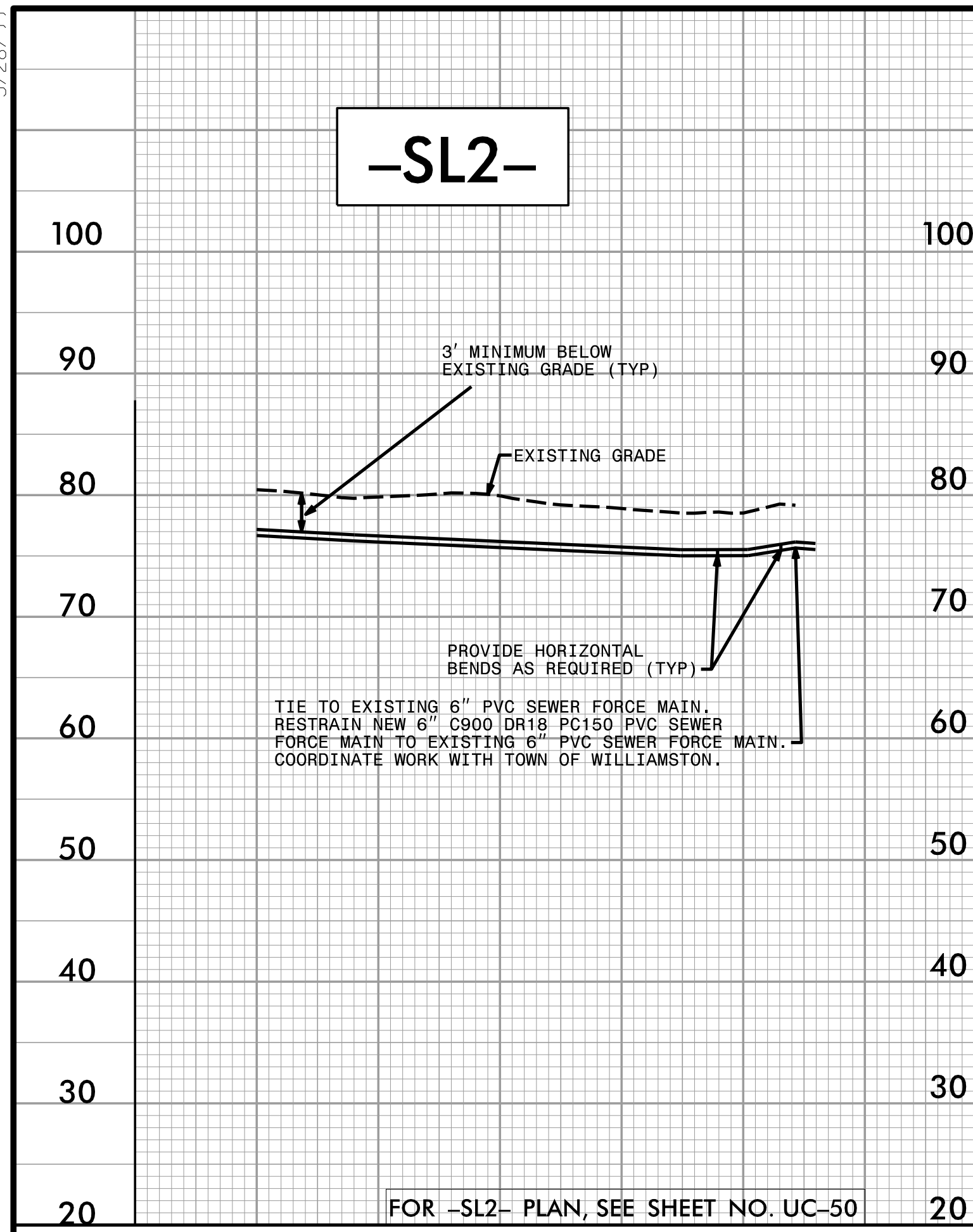




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Raleigh, N.C. 27606  
License No. F-0377  
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Fax: 919 851 8107

PROJECT REFERENCE NO. <b>R-4705</b>	SHEET NO. <b>UC-60</b>
DESIGNED BY: <b>SLK</b>	3/25/2022
DRAWN BY: <b>SLK</b>	
CHECKED BY: <b>AMM</b>	
APPROVED BY: <b>AMM</b>	
REVISED:	UTILITIES ENGINEERING SEC. PHONE: (919) 707-6690 FAX: (919) 250-4151

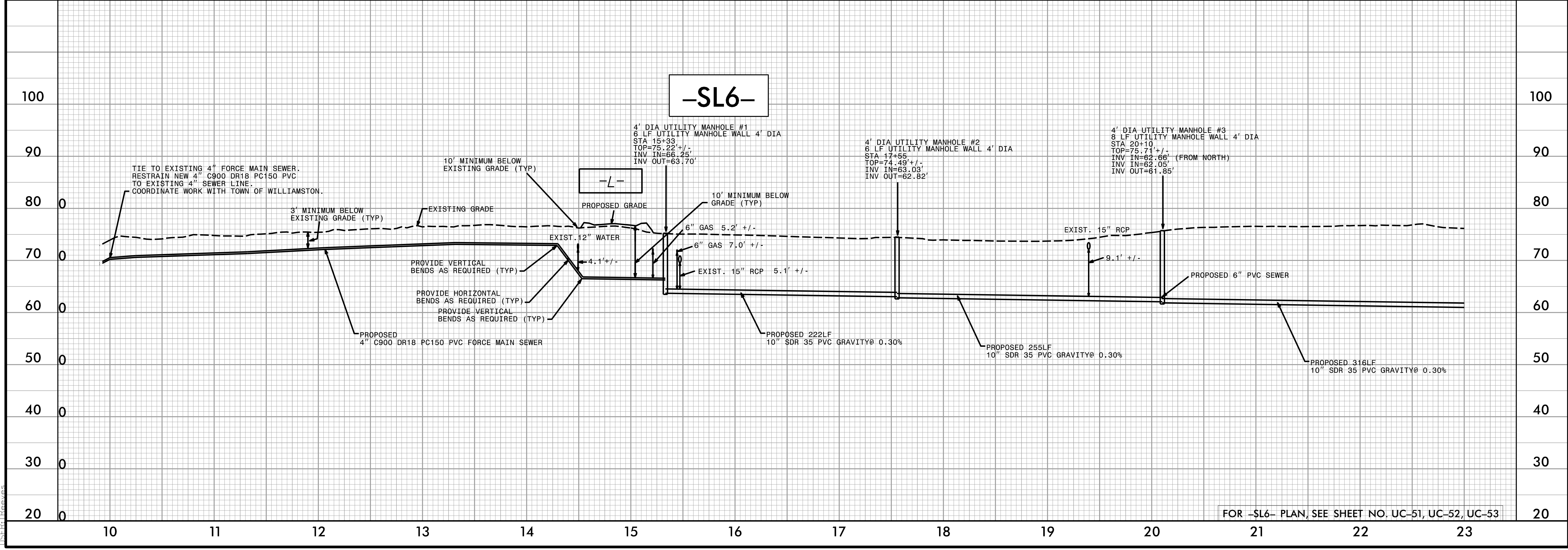


**FINAL DESIGN**  
RELEASE  
FOR CONSTRUCTION

**-SL5-**

**UTILITY CONSTRUCTION**

FOR -SL2- PLAN, SEE SHEET NO. UC-50      FOR -SL3- PLAN, SEE SHEET NO. UC-50, UC-51      FOR -SL4- PLAN, SEE SHEET NO. UC-51      FOR -SL5- PLAN, SEE SHEET NO. UC-51



FOR -SL6- PLAN, SEE SHEET NO. UC-51, UC-52, UC-53

3/24/2022  
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**FINAL DESIGN**  
RELEASE  
FOR CONSTRUCTION

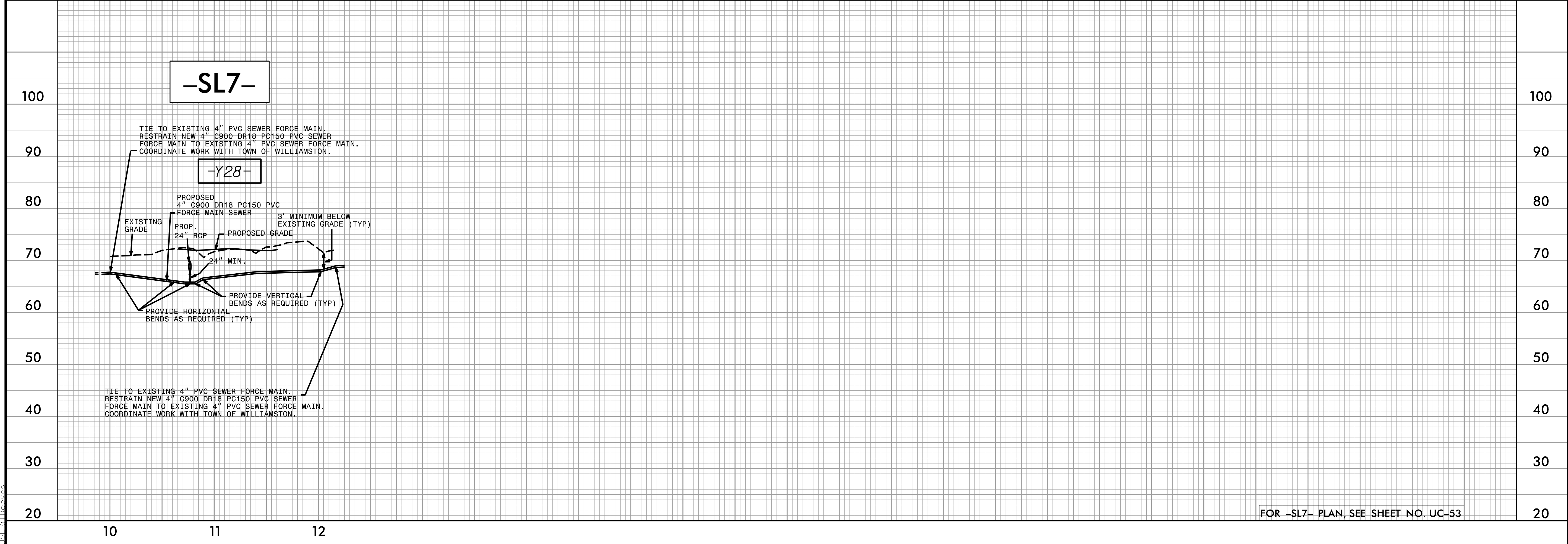
**WETHERILL ENGINEERING**  
1223 Jones Franklin Rd.  
Raleigh, N.C. 27606  
License No. F-0377  
Bus: 919 851 8077  
Fax: 919 851 8107

TRANSPORTATION PLANNING/DESIGN - BRIDGE/STRUCTURE DESIGN  
CIVIL/SITE DESIGN - GIS/GPS - CONSTRUCTION OBSERVATION

PROJECT REFERENCE NO. <b>R-4705</b>	SHEET NO. <b>UC-61</b>
DESIGNED BY: <b>SLK</b>	3/25/2022
DRAWN BY: <b>SLK</b>	
CHECKED BY: <b>AMM</b>	
APPROVED BY: <b>AMM</b>	
REVISED:	
NORTH CAROLINA DEPARTMENT OF TRANSPORTATION UTILITIES ENGINEERING SEC. PHONE: (919) 707-6690 FAX: (919) 250-4151	
UTILITY CONSTRUCTION PLANS ONLY	



FOR -SL6- PLAN, SEE SHEET NO. UC-51, UC-52, UC-53



FOR -SL7- PLAN, SEE SHEET NO. UC-53

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