

8/17/99

12-41UC-2025-07-35
PROJECTS\2018\42018403.00_TCS_R-5739_Div-1\Design\Utilities\Engineer-ang\UC-Pro-5739_wrt_rdy42_UC41_pos.dgn

ROANOKE RAPIDS SANITARY DISTRICT
OWNS THE WATER AND SEWER LINES

SEE SHEETS UC-84 TO UC-87
FOR WATER LINE 2 PROFILE
SEE SHEET 93 FOR WATER
LINE 17 PROFILE
SEE SHEET 93 FOR WATER
LINE 18 PROFILE

NAD 83/2017



License No. C-2639
401 Harrison Oaks Blvd., Suite 220 Cary, NC 27513

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UNLESS ALL SIGNATURES COMPLETED

1-10" X 6" DI RJ TEE
STA. 30+70, WL-2
1-6" VALVE
RELOCATE FIRE HYDRANT
5' OF 6" FIRE HYDRANT
LEG
(DI RJ, PC 350)

UTILITY CONSTRUCTION

4' DIA. MANHOLE B6
STA. 0+35.42, SEWER LINE 6
43.93' LT OF LINE -L-
STA. 548+08.57

91' OF 8" SANITARY
GRAVITY SEWER
(DI, PC 350)

RELOCATE 2-WATER
METERS
90' OF WATER SERVICE
LINE
3/4" PE TUBING, SDR 9

SEWER LINE 6

35' OF 8" SANITARY
GRAVITY SEWER
(DI, PC 350)

4' DIA. MANHOLE A6
STA. 0+00, SEWER LINE 6
1' OF UTILITY MANHOLE
WALL 4' DIA
18.97' LT OF LINE -L-
STA. 547+83.43

1-10" VALVE
STA. 27+89.78, WL-2

RELOCATE 2-WATER METERS
95' OF WATER SERVICE LINE
3/4" PE TUBING, SDR 9

500' OF ABANDON 8"
UTILITY PIPE

1-10" VALVE
STA. 27+79.78, WL-2

1400' OF ABANDON 6"
UTILITY PIPE

1-8" VALVE
STA. 0+05, WL-18

1-6"-11 1/4°
DI RJ BEND
STA. 16+94.18, FM-5

1-8"-90° DI RJ BEND
STA. 0+82.91, WL-18

224' OF 8" WATER LINE
(DI RJ, PC 350)

WATER LINE 18

4' DIA. MANHOLE A7
STA. 0+00, SEWER LINE 7
1' OF UTILITY MANHOLE
WALL 4' DIA
21.44' RT OF LINE -L-
STA. 548+16.54

10' OF SEWER SERVICE LINE
(DI, PC 350)

100' OF 8" SANITARY
GRAVITY SEWER
(DI, PC 350)

1-8"-90° DI RJ BEND
1-8" DI RJ SLEEVE
STA. 2+24.45, WL-18

SEWER LINE 7

1-10" X 6" DI RJ TEE
STA. 24+75, WL-2
1-6" VALVE
RELOCATE FIRE HYDRANT
5' OF 6" FIRE HYDRANT
LEG
(DI RJ, PC 350)

RELOCATE 2-WATER METERS
15' OF WATER SERVICE LINE
3/4" PE TUBING, SDR 9

1396' OF 10" WATER LINE
(SEE PROFILE FOR RJ LENGTHS
(DI RJ, PC 350))

WATER LINE 2

RELOCATE 1-WATER METER
10' OF WATER SERVICE LINE
3/4" PE TUBING, SDR 9

1100' OF ABANDON 4"
UTILITY PIPE

1131' OF 6" FORCE MAIN SEWER
(DI RJ, PC 350)

DI FORCE MAIN TO BE PROTECTO 401 LINED

NOTE:
THE ESTIMATED QUANTITY OF DUCTILE IRON
SEWER PIPE FITTINGS ON THIS PLAN SHEET
IS 225 POUNDS. THE ACTUAL QUANTITY AND
TYPE OF FITTINGS WILL VARY BASED ON
FIELD CONDITIONS.

NOTE:
THE ESTIMATED QUANTITY OF DUCTILE IRON
WATER PIPE FITTINGS ON THIS PLAN SHEET
IS 1095 POUNDS. THE ACTUAL QUANTITY AND
TYPE OF FITTINGS WILL VARY BASED ON
FIELD CONDITIONS.

SEE SHEETS UC-97 AND
UC 98 FOR FORCE MAIN 5
PROFILE
SEE SHEET UC-99 FOR
SEWER LINE 6 PROFILE
SEE SHEET UC-100 FOR
SEWER LINE 7 PROFILE

SEE SHEET 63 FOR -L- PROFILE

8/17/99

ROANOKE RAPIDS
SANITARY DISTRICT
OWNS THE WATER AND
SEWER LINES

SEE SHEETS UC-84 TO UC-87
FOR WATER LINE 2 PROFILE
SEE SHEET UC-94 FOR WATER
LINE 19 PROFILE
SEE SHEET 94 FOR WATER
LINE 20 PROFILE

WATER LINE 19

1-10"-45° DI RJ BEND
STA. 34+15.61, WL-3

1-10"-45° DI RJ BEND
STA. 33+99.12, WL-3

ABANDON 1 UTILITY
MANHOLE

325' OF ABANDON 8"
UTILITY PIPE

4' DIA. MANHOLE C6
STA. 3+35.74, SEWER LINE 6
43' LT OF LINE -L-
STA. 551+08.65

SEWER LINE 6

209' OF 8" SANITARY
GRAVITY SEWER
(DI, PC 350)

RELOCATE 1-WATER
METER
5' OF WATER SERVICE
LINE

MATCH LINE -L- STA. 549+00
SEE SHEET UC-41

ABANDON

ABANDON

1100' OF ABANDON 6"
UTILITY PIPE

4' DIA. MANHOLE C7
STA. 3+41, SEWER LINE 7
27.34' RT OF LINE -L-
STA. 551+57.31

1 SANITARY SEWER CLEAN-OUT
5' OF SEWER SERVICE LINE

241' OF 8" SANITARY
GRAVITY SEWER
(DI, PC 350)

4' DIA. MANHOLE B7
STA. 1+00, SEWER LINE 7
1' OF UTILITY MANHOLE
WALL 4' DIA
30.05' RT OF LINE -L-
STA. 549+16.17

1-6"-22 1/2° DI RJ BEND
1-6" DI RJ SLEEVE
STA. 0+58.13, WL-19

58' OF 8" WATER LINE
(DI RJ, PC 350)

1-6"-22 1/2° DI RJ BEND
STA. 0+10, WL-19

1-6" VALVE
STA. 0+05, WL-19

1-10" x 6" DI RJ TEE
STA. 34+67, WL-2
STA. 0+00, WL-19

1-10" VALVE
STA. 34+72, WL-2

1150' OF ABANDON 8"
UTILITY PIPE

RELOCATE 1-WATER
METER
5' OF WATER SERVICE
LINE

ABANDON 1 UTILITY
MANHOLE

215' OF 8" SANITARY
GRAVITY SEWER
(DI, PC 350)

RELOCATE 1-WATER
METER
93' OF WATER SERVICE LINE
3/4" PE TUBING, SDR 9

4' DIA. MANHOLE D7
STA. 4+78, SEWER LINE 7
43.23' RT OF LINE -L-
STA. 552+93.39

137' OF 8" SANITARY
GRAVITY SEWER
(DI, PC 350)

SEWER LINE 7

RELOCATE 1-WATER
METER
80' OF WATER SERVICE LINE
3/4" PE TUBING, SDR 9

1-10" X 6" DI RJ TEE
STA. 36+17, WL-2
1-6" VALVE
RELOCATE FIRE HYDRANT
5' OF 6" FIRE HYDRANT
LEG
(DI RJ, PC 350)

RECONNECT 1-WATER METER
3/4" PE TUBING, SDR 9

4' DIA. MANHOLE B8
STA. 0+73, SEWER LINE 8
2' OF UTILITY MANHOLE
WALL 4' DIA
18.97' RT OF LINE -L-
STA. 547+83.43

73' OF 8" SANITARY
GRAVITY SEWER
(DI, PC 350)

50' OF ABANDON 8"
UTILITY PIPE

1-10"-22 1/2° DI RJ BEND
STA. 38+30.43, WL-2

1-10"-22 1/2° DI RJ BEND
STA. 38+49.91, WL-2

RECONNECT 2-WATER METERS
3/4" PE TUBING, SDR 9

2-10" VALVE
STA. 39+68.15, WL-2
STA. 40+00, WL-2

840' OF ABANDON 8"
UTILITY PIPE

SEWER LINE 8

1-2" VALVE

ABANDON 1 UTILITY
MANHOLE

4' DIA. MANHOLE EQ2
STA. 6+93, SEWER LINE 7
STA. 0+00, SEWER LINE 8
1' OF UTILITY MANHOLE
WALL 4' DIA
42.76' RT OF LINE -L-
STA. 555+08.39

10" X 2" TAPPING SADDLE
STA. 39+73.15, WL-2
76' OF 2" WATER SERVICE
LINE
2" PVC, SDR 21

SEE SHEET UC-99 FOR
SEWER LINE 6 PROFILE
SEE SHEET UC-100 FOR
SEWER LINE 7 PROFILE
SEE SHEET UC-99 FOR
SEWER LINE 8 PROFILE

NOTE:
THE ESTIMATED QUANTITY OF DUCTILE IRON
WATER PIPE FITTINGS ON THIS PLAN SHEET
IS 2565 POUNDS. THE ACTUAL QUANTITY AND
TYPE OF FITTINGS WILL VARY BASED ON
FIELD CONDITIONS.

1-8"-22 1/2° DI RJ BEND
1-8" DI RJ SLEEVE
STA. 42+72.48, WL-2

5' OF 8" WATER LINE
(DI RJ, PC 350)

1-10" X 8" DI RJ REDUCER
STA. 42+67.48, WL-2

1-10" VALVE
STA. 42+45, WL-2

1-10" x 8" DI RJ TEE
STA. 42+40, WL-2
STA. 0+00, WL-20

1093' OF 10" WATER LINE
(SEE PROFILE FOR RJ LENGTHS
(DI RJ, PC 350))

2-10" VALVE
STA. 39+68.15, WL-2
STA. 40+00, WL-2

840' OF ABANDON 8"
UTILITY PIPE

ABANDON

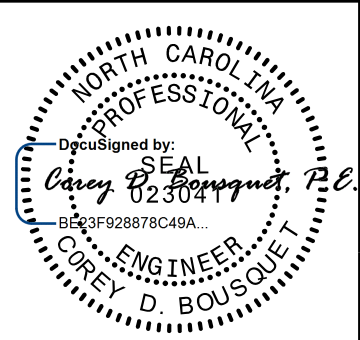
ABANDON

135' OF ABANDON 8"
UTILITY PIPE

418' OF 8" SANITARY
GRAVITY SEWER
(DI, PC 350)

RECONNECT 2-WATER METERS
3/4" PE TUBING, SDR 9

DI FORCE MAIN AND GRAVITY SEWER
TO BE PROTECTO 401 LINED

PROJECT REFERENCE NO.	SHEET NO.
R-5739	UC-42
DESIGNED BY: JKC	
DRAWN BY: JKC	
CHECKED BY: CDB	
APPROVED BY: CDB	
REVISED:	8/11/2023 UTILITY CONSTRUCTION PLANS ONLY
NORTH CAROLINA DEPARTMENT OF TRANSPORTATION	
UTILITIES ENGINEERING SEC. PHONE: (919) 707-6690 FAX: (919) 250-4151	

UTILITY CONSTRUCTION



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1-8" VALVE
STA. 0+05, WL-20

WATER LINE 20

87' OF 8" WATER LINE
(DI RJ, PC 350)

1-8"-45° DI RJ BEND
1-8" DI RJ SLEEVE
STA. 0+87.28, WL-20

EXIST. 4' DIA. MANHOLE F7
STA. 11+55.58, SEWER LINE 7
24.12' RT OF LINE -L-
STA. 559+66.05

45' OF 8" SANITARY
GRAVITY SEWER
(DI, PC 350)

4' DIA. MANHOLE E7
STA. 11+11, SEWER LINE 7
5' OF UTILITY MANHOLE
WALL 4' DIA
41.86' RT OF LINE -L-
STA. 559+26.24

HINDE

ENGINEERING

License No. C-2639
10815 Sikes Place, Suite 210 Charlotte, NC 28227

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UNLESS ALL SIGNATURES COMPLETED

PROJECT REFERENCE NO.		SHEET NO.	
R-5739		UC-43	
DESIGNED BY:	CDB	NORTH CAROLINA PROFESSIONAL ENGINEER 023077 7/29/2025 Seal of Cory D. Boush 023077 7/29/2025	
DRAWN BY:	JKC		
CHECKED BY:	CLS		
APPROVED BY:	CDB		
REVISED:			
NORTH CAROLINA DEPARTMENT OF TRANSPORTATION		UTILITY CONSTRUCTION PLANS ONLY	
UTILITIES ENGINEERING SEC. PHONE: (919) 707-6690 FAX: (919) 250-4151			

UTILITY CONSTRUCTION

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390
380
370
360
350
340
330
320
310
300
290
280
270
260
250
240
230

STA. 0+00 1+00 2+00 3+00 4+00 5+00 6+00 7+00 8+00 9+00 10+00 11+00 12+00

200' RJ WATER LINE
STA. 0+00 STA. 2+00

350' RJ WATER LINE
STA. 9+00

1-6" DI RJ PLUG
STA. 0+00

1-6" VALVE
STA. 0+05

1-6" X 6" DI RJ TEE (FH)
STA. 0+10

1-6" X 6" DI RJ TEE
STA. 0+76, WL+1

1-6" VALVE
STA. 0+85

EXIST. GRADE

1200' OF 6" WATER LINE
(PVC, C900 DR 18)

1-6"-45° DI RJ BEND
STA. 10+38.57 (VERT)

1-6"-45° DI RJ BEND
STA. 10+43 (VERT)

1-6"-45° DI RJ BEND
STA. 10+93 (VERT)

1-6"-45° DI RJ BEND
STA. 10+98.26 (VERT)

150' OF DI RJ WATER
LINE, PC 350

MATCH LINE - WL - STA 12+00
SEE SHEET UC-44

WATER LINE 1



7/29/2025

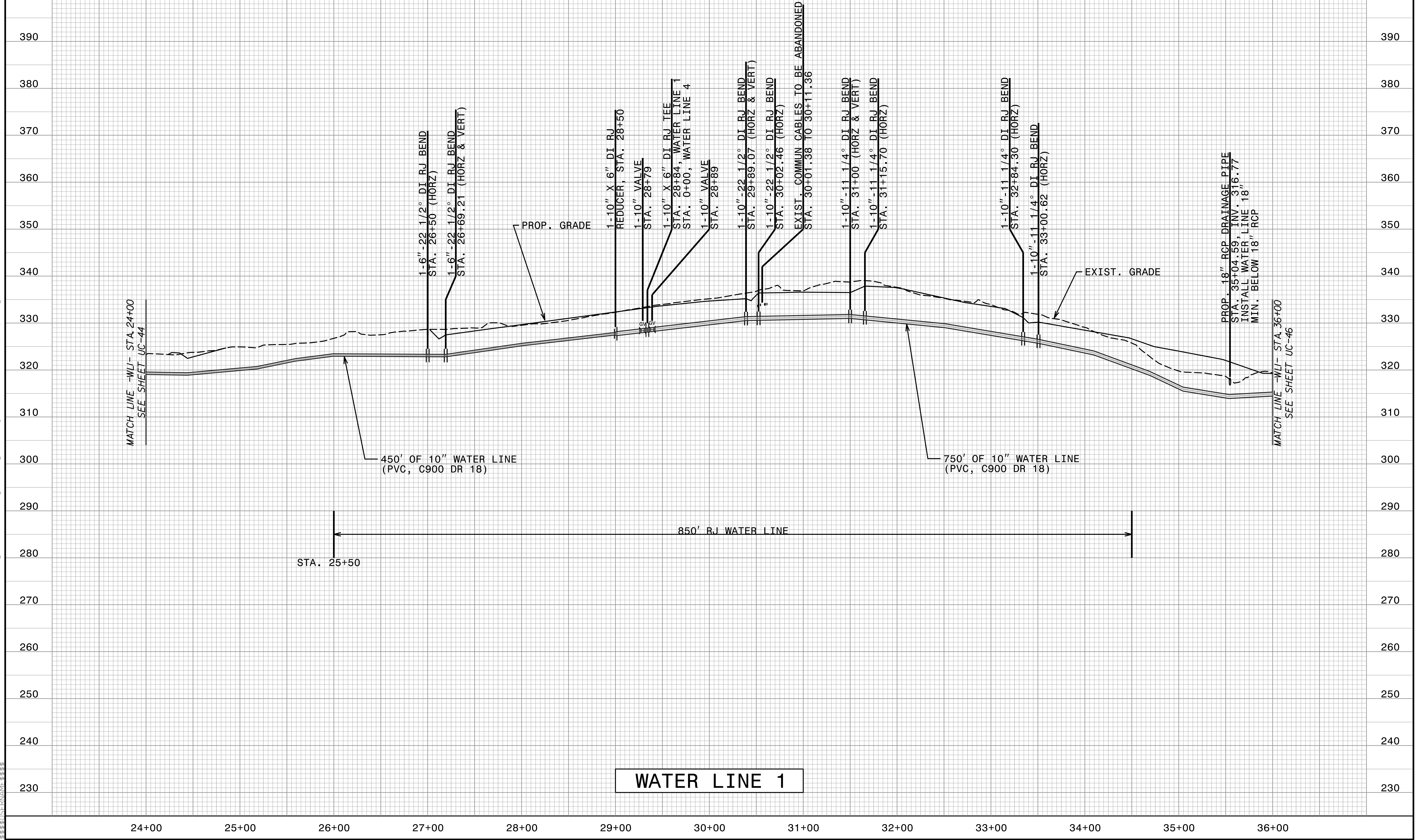
UTILITY CONSTRUCTION
PLANS ONLY



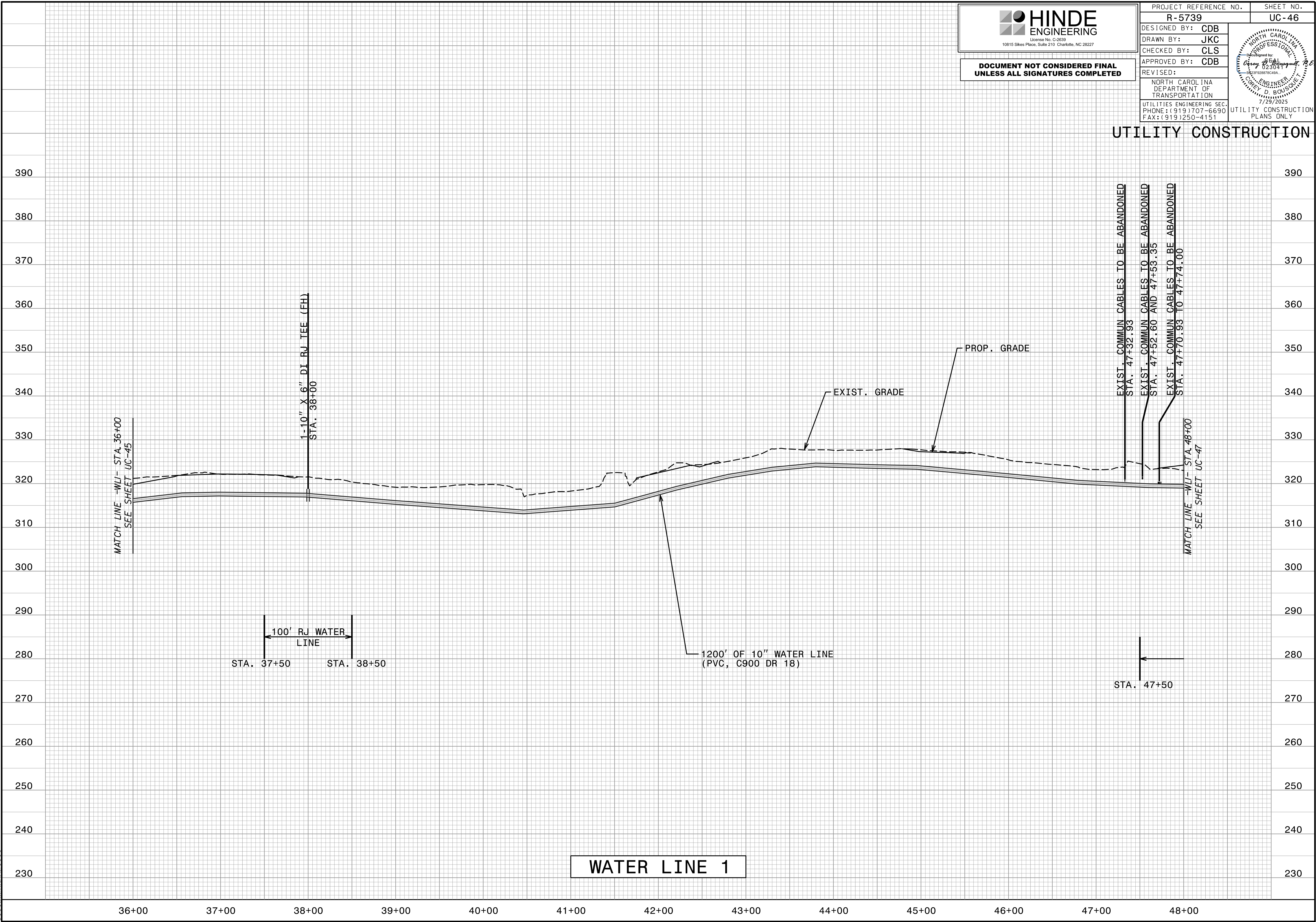


DocuSigned by:
Corey D. Bousquet, P.E.
SEAL
023044
BEE3F28878C49A...
ENGINEER
COREY D. BOUSQUET
7/29/2025

WATER LINE 1



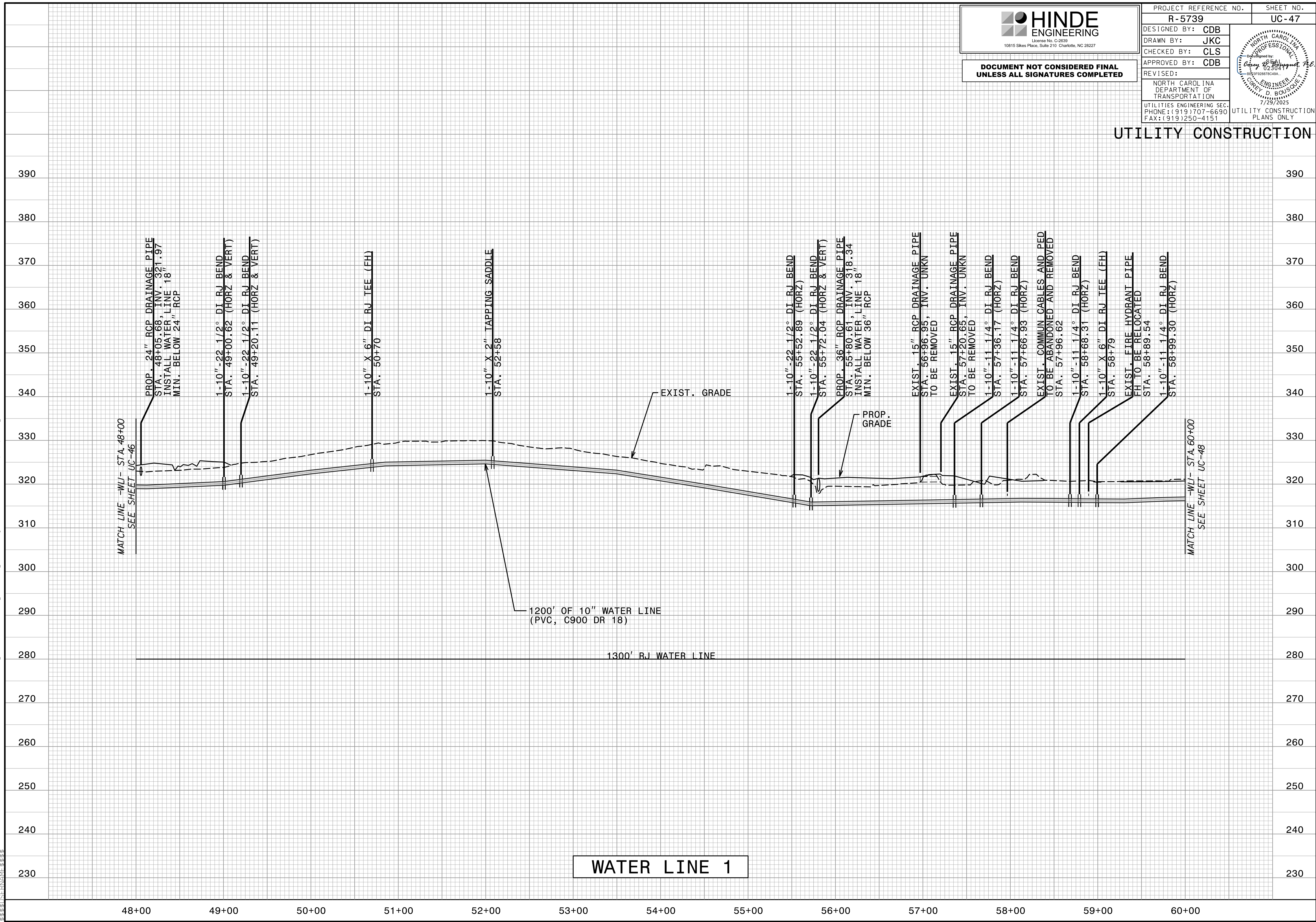
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UTILITY CONSTRUCTION
PLANS ONLY

Doc. designed by:
Corey D. Bousquet, P.E.
SEAL
023041
BE23F288278C49A...
NORTH CAROLINA
PROFESSIONAL
ENGINEER
COREY D. BOUSQUET
7/29/2025





Decalsigned by: *Corey D. Bousquet, P.E.*

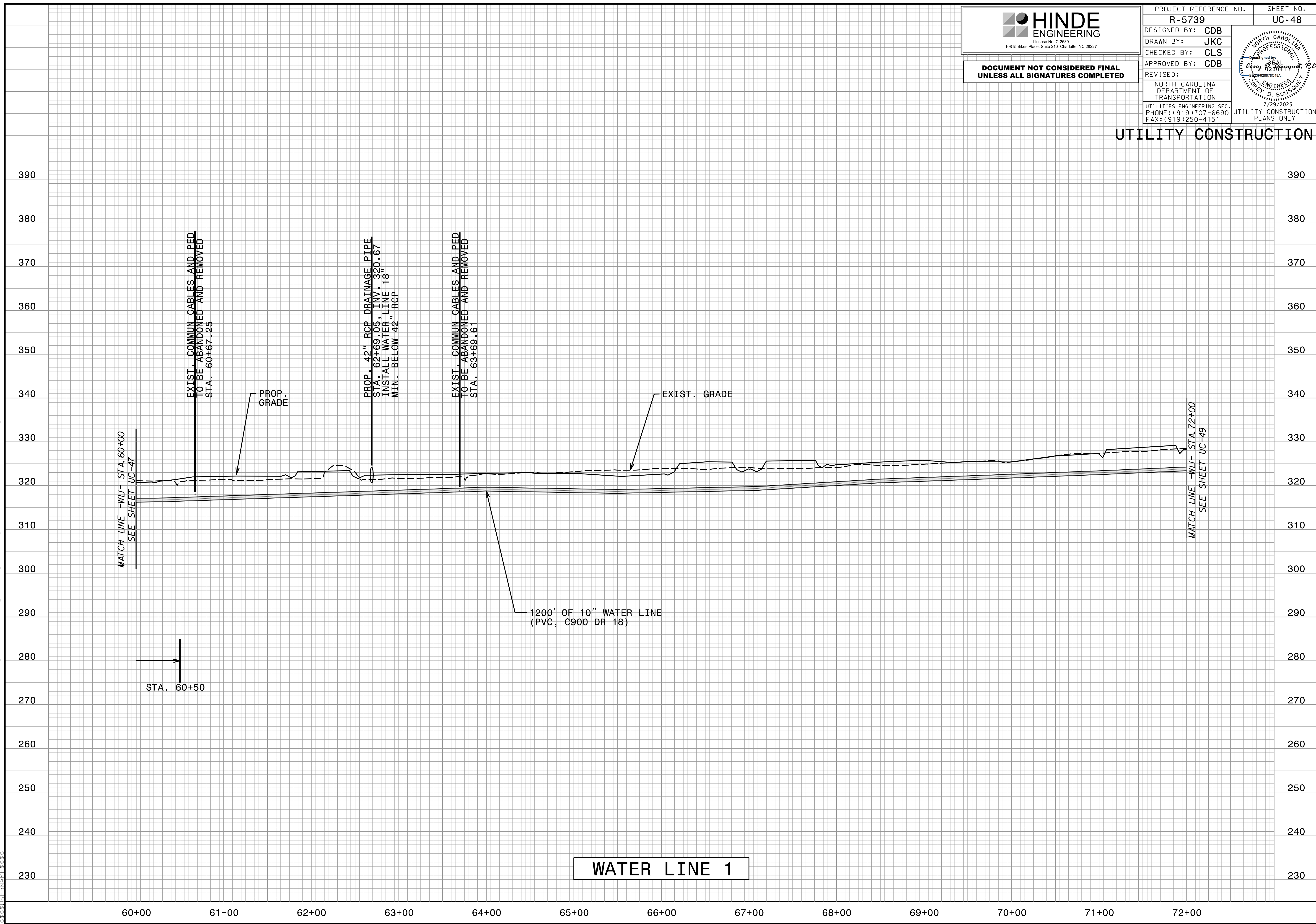
023094

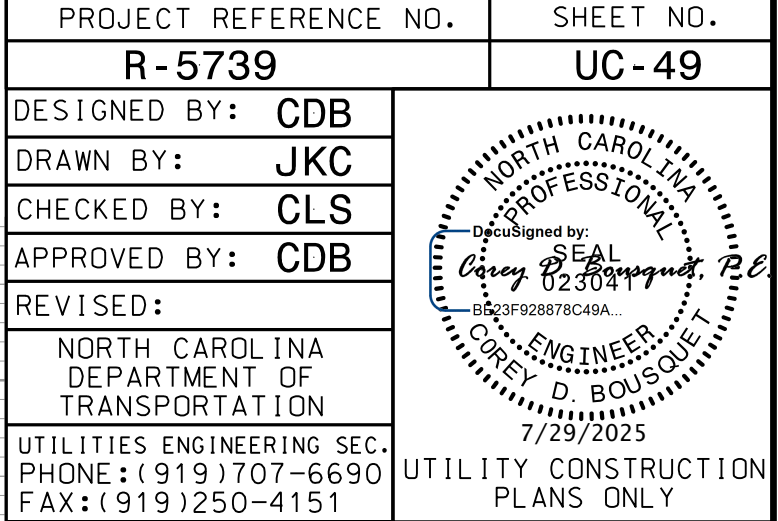
023094

ENGINEER

COREY D. BOUSQUET

UTILITY CONSTRUCTION





North Carolina Professional Engineer Seal for Corey D. Bousquet, License No. 852304, expires 7/29/2025.





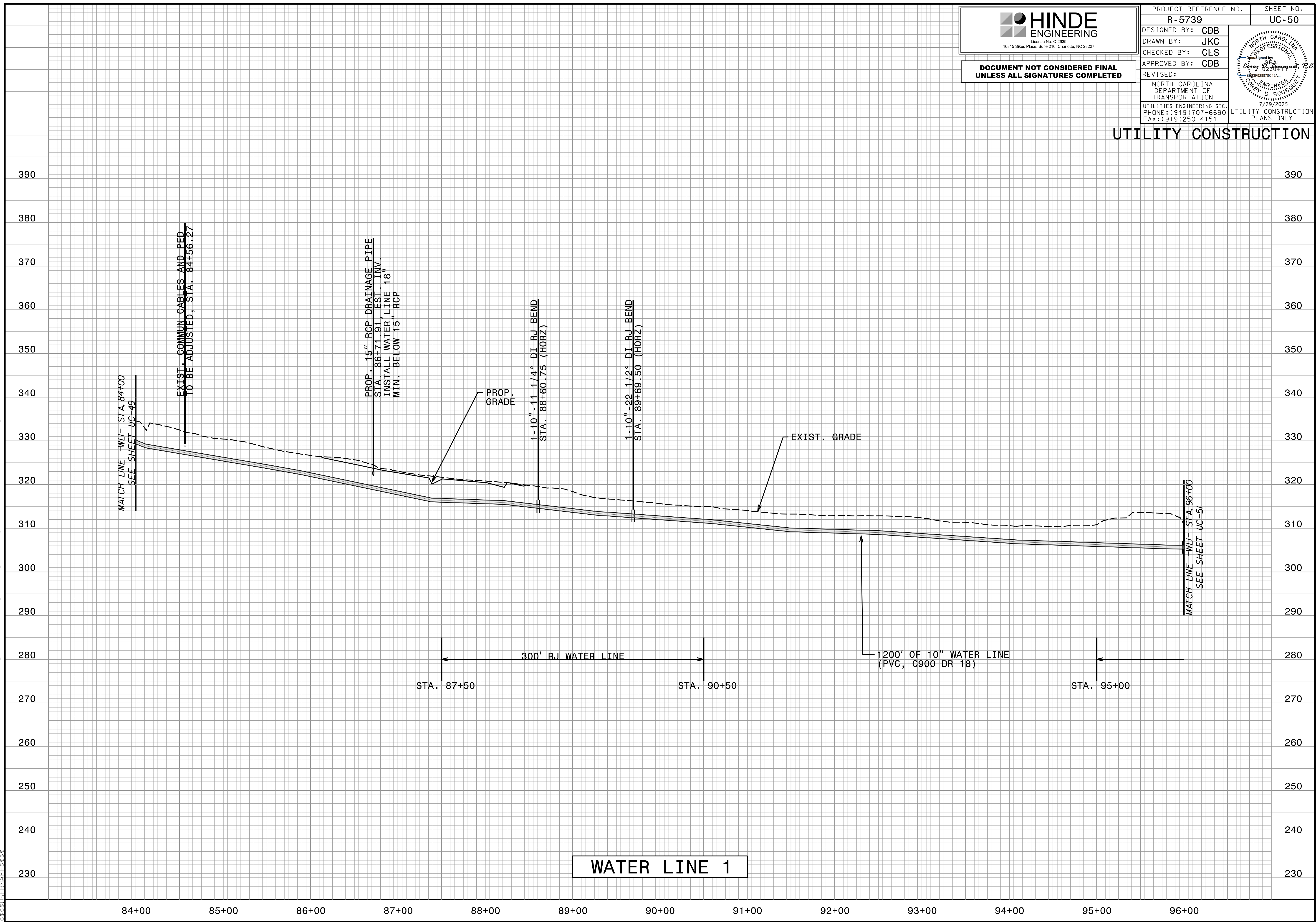
Discussed by:

SEAL
023041
ENGINEER
COREY D. BOUSQUET

Corey D. Bousquet, P.E.

BE23F928B78C49A...

UTILITY CONSTRUCTION

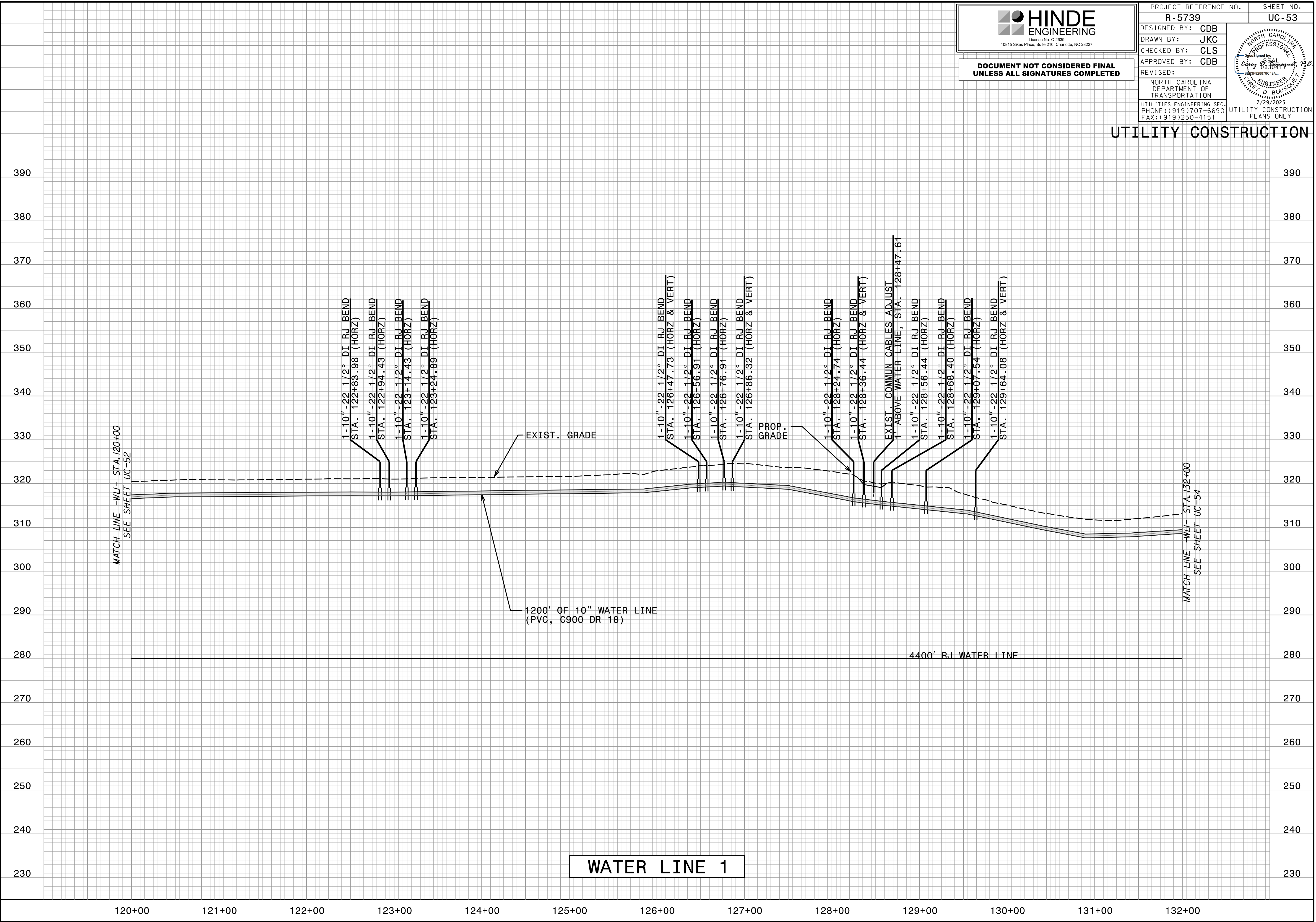


A circular professional engineer seal for Corey D. Bousquet, P.E. The seal features the text "NORTH CAROLINA" at the top, "PROFESSIONAL" at the bottom, and "ENGINEER" in the center. The name "COREY D. BOUSQUET" is written around the inner perimeter. In the center, it says "SEAL" above the number "023041". Below the number is the alphanumeric code "B523F928878C49A...". A blue ink signature "Corey D. Bousquet, P.E." is written across the seal. A blue line points from the text "Discussed by:" to the signature.

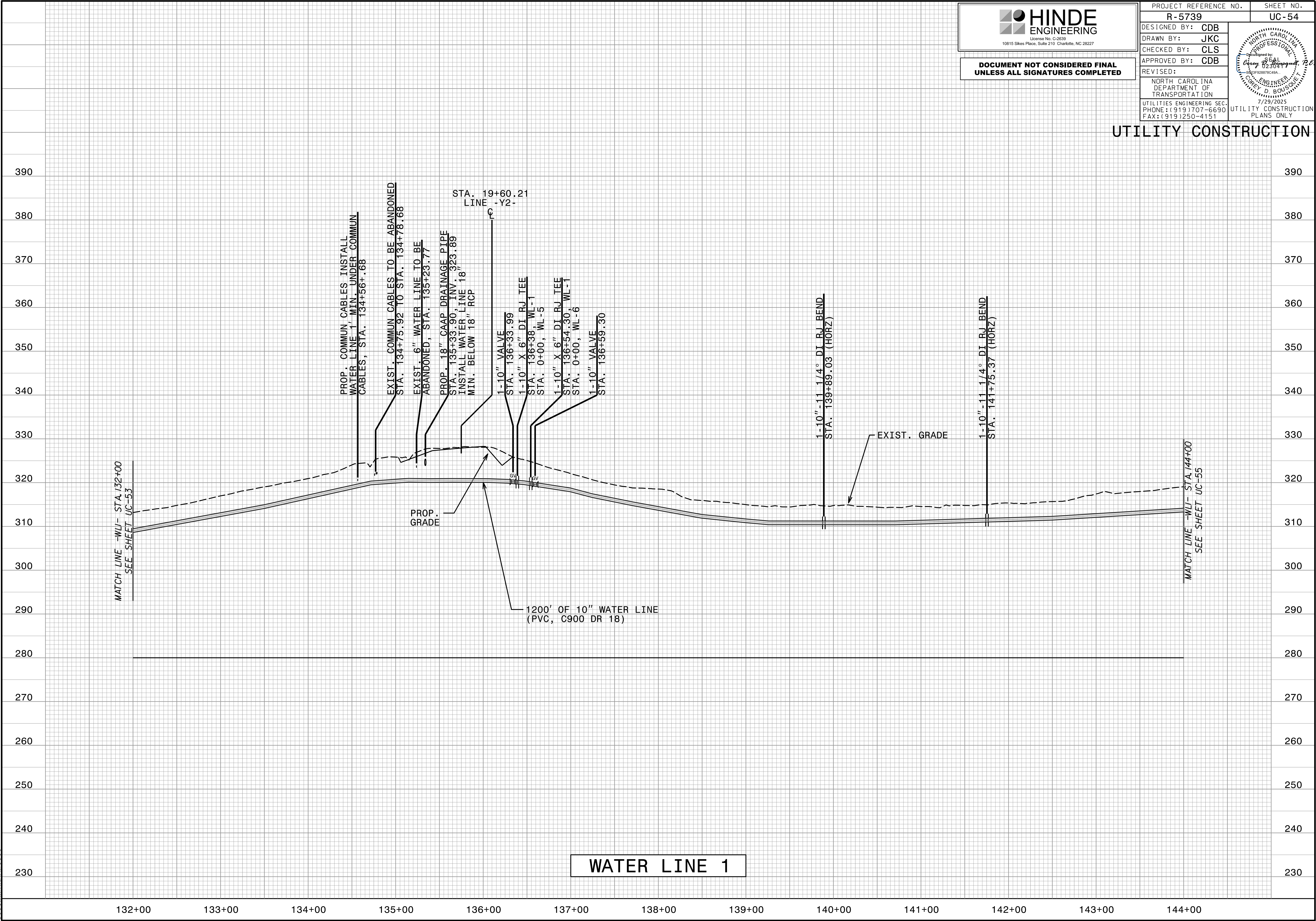
7/29/2025
UTILITY CONSTRUCTION
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WATER LINE 1



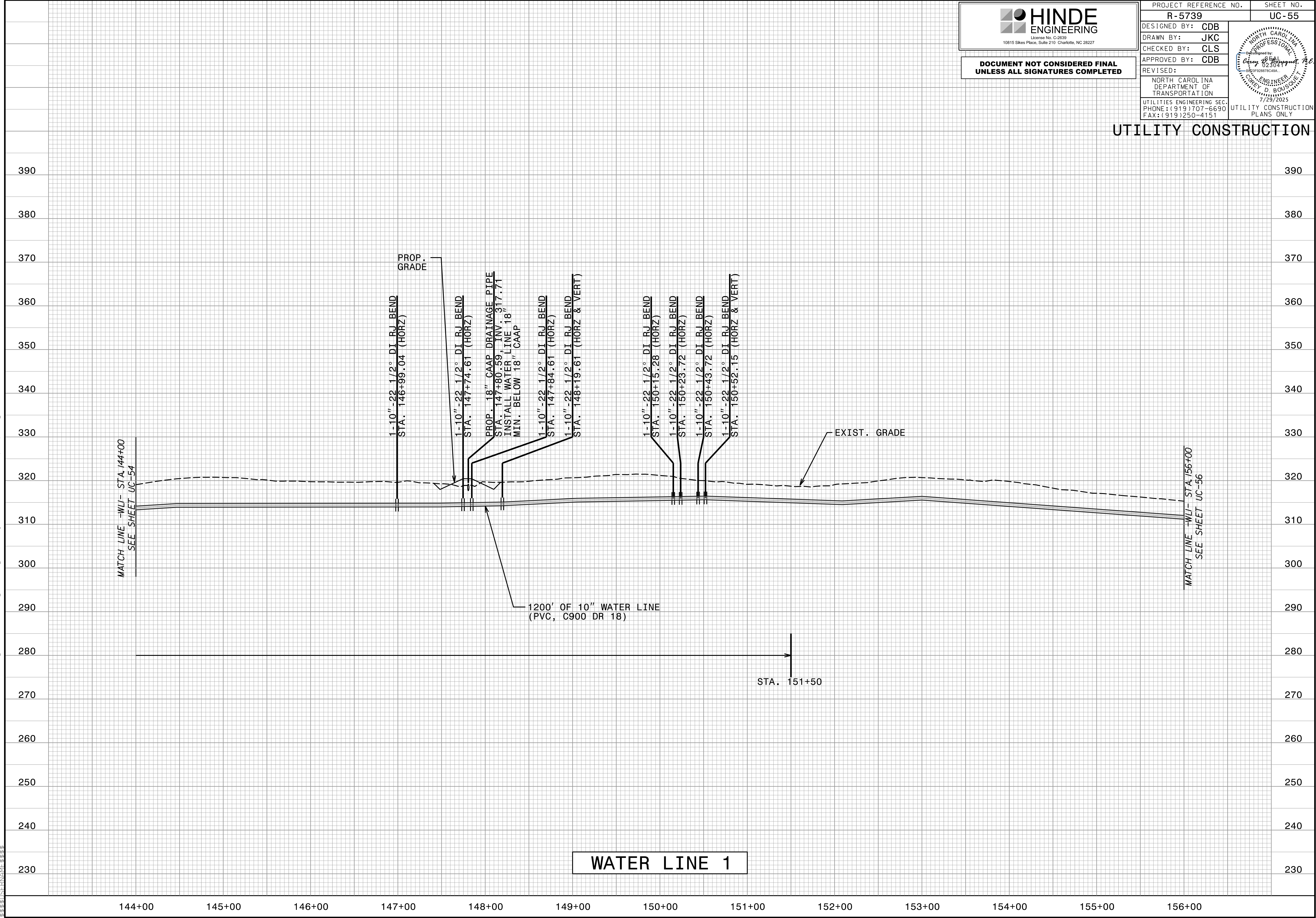
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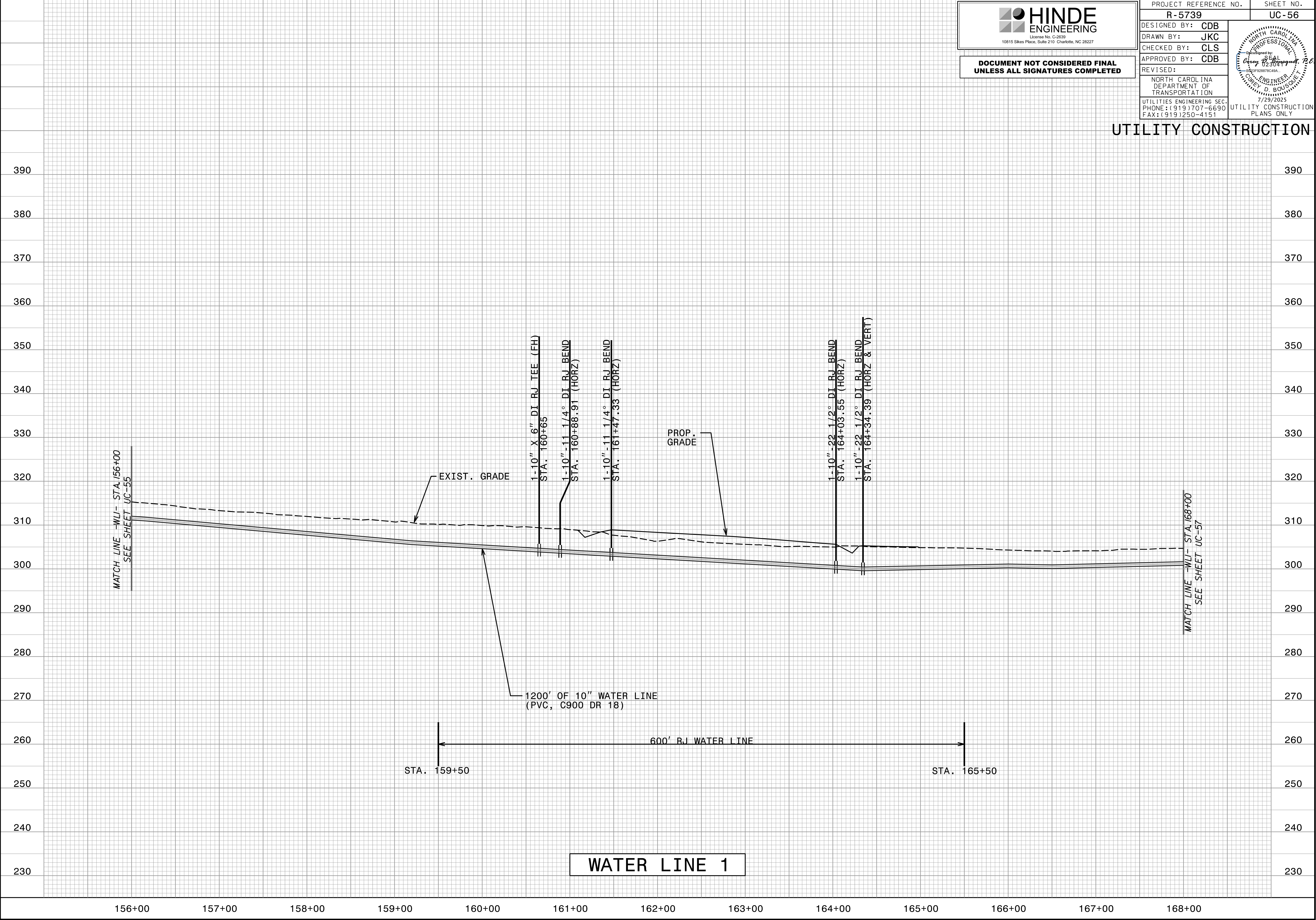
PROJECT REFERENCE NO.		SHEET NO.	
R-5739		UC-55	
DESIGNED BY: CDB			
DRAWN BY: JKC			
CHECKED BY: CLS			
APPROVED BY: CDB			
REVISED:			
NORTH CAROLINA DEPARTMENT OF TRANSPORTATION		UTILITIES ENGINEERING SEC. PHONE: (919) 707-6690 FAX: (919) 250-4151	
		UTILITIES CONSTRUCTION PLANS ONLY	

WATER LINE 1



PROJECT REFERENCE NO.	SHEET NO.
R-5739	UC-56
DESIGNED BY: CDB	
DRAWN BY: JKC	
CHECKED BY: CLS	
APPROVED BY: CDB	
REVISED:	
NORTH CAROLINA DEPARTMENT OF TRANSPORTATION	
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DocuSign Envelope ID: E36D13E5-CFFF-4CD0-A18C-A910CE84CA56

20-JUL-2025 07:56
C:\Users\jstern\OneDrive\Documents\Projects\2018\A2018403.00.TGS-R-5739_Div-1\Design\Utilities\Engineering\UC\Proj\R-5739_Ut_UC_57.pfl.psh.dgn

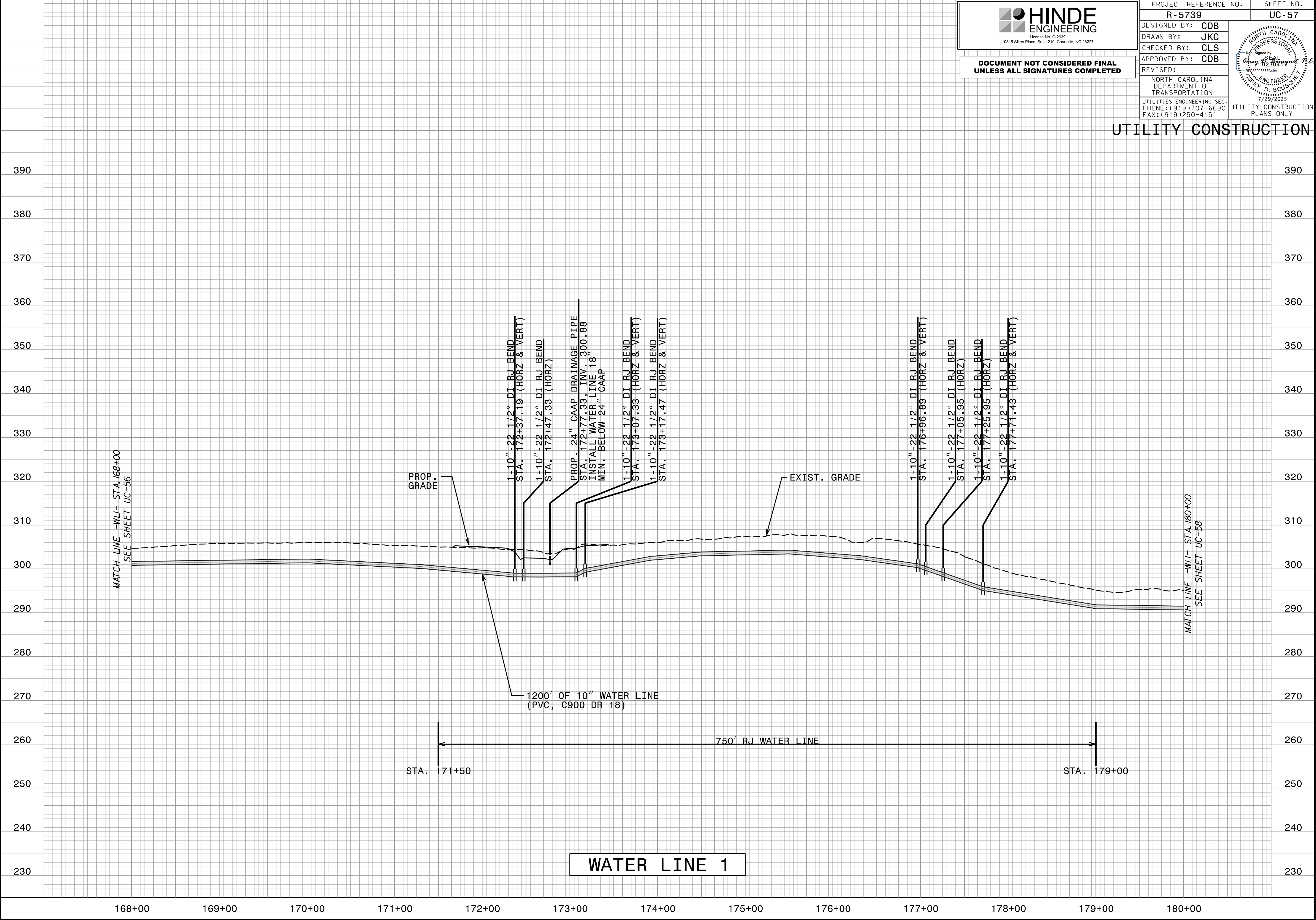


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PROJECT REFERENCE NO.		SHEET NO.	
R-5739		UC-57	
DESIGNED BY: CDB		NORTH CAROLINA PROFESSIONAL ENGINEER Seal James R. Bousquet, P.E. 023044999 7/29/2025 0003F028B78C49A CDB ENGINEER D. BOUSQUET	
DRAWN BY: JKC			
CHECKED BY: CLS			
APPROVED BY: CDB			
REVISED:			
NORTH CAROLINA DEPARTMENT OF TRANSPORTATION			
UTILITIES ENGINEERING SEC. PHONE: (919) 707-6690 FAX: (919) 250-4151		UTILITY CONSTRUCTION PLANS ONLY	

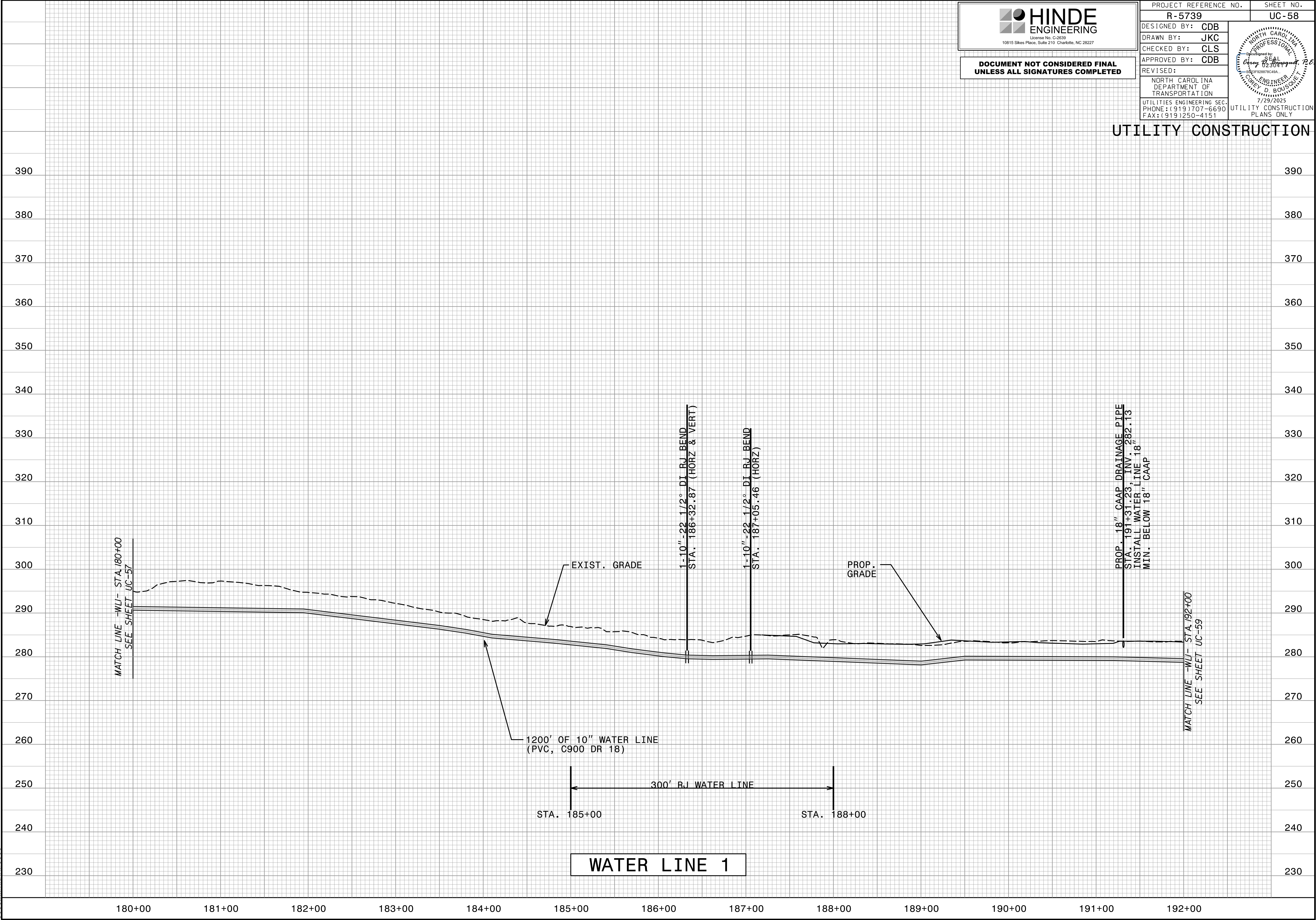
UTILITY CONSTRUCTION



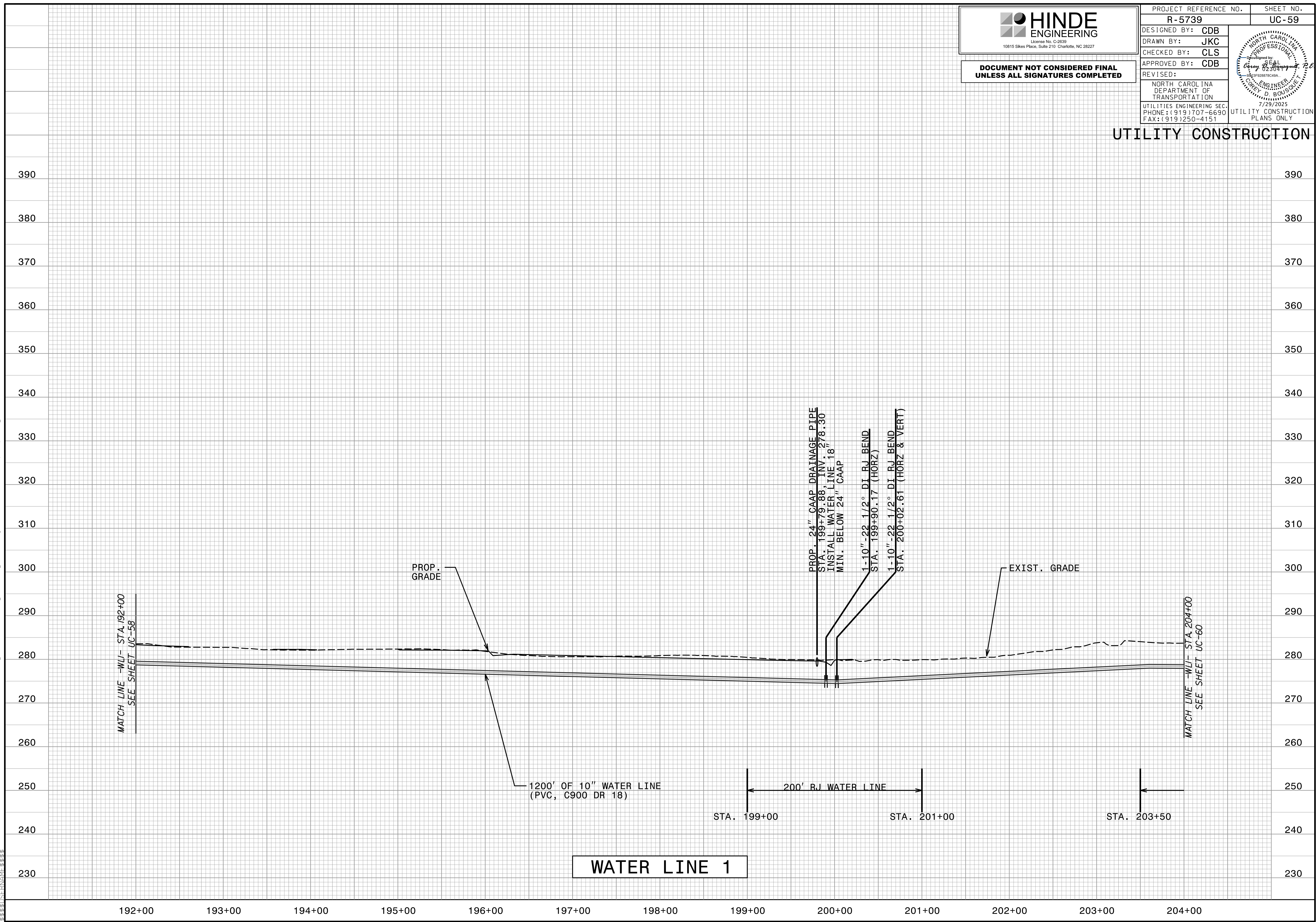


A circular professional engineer seal for the State of North Carolina. The outer ring contains the text "NORTH CAROLINA" at the top and "COREY D. BOUSQUET" at the bottom. Inside the ring, the words "PROFESSIONAL" and "ENGINEER" are written vertically on the left and right sides, respectively. In the center, the text "SEAL" is printed above the signature "Corey D. Bousquet, P.E.". Below the signature, the identification number "B523F928878C49A..." is visible. A blue ink line is drawn across the seal, passing through the signature and the identification number.

UTILITY CONSTRUCTION



PROJECT REFERENCE NO.		SHEET NO.	
R-5739		UC-59	
DESIGNED BY: CDB			
DRAWN BY: JKC			
CHECKED BY: CLS			
APPROVED BY: CDB			
REVISED:			
NORTH CAROLINA DEPARTMENT OF TRANSPORTATION		UTILITY CONSTRUCTION PLANS ONLY	





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PROJECT REFERENCE NO.

R-5739

SHEET NO.

UC - 60

DESIGNED BY: CDB

DRAWN BY: JKC

CHECKED BY: CLS

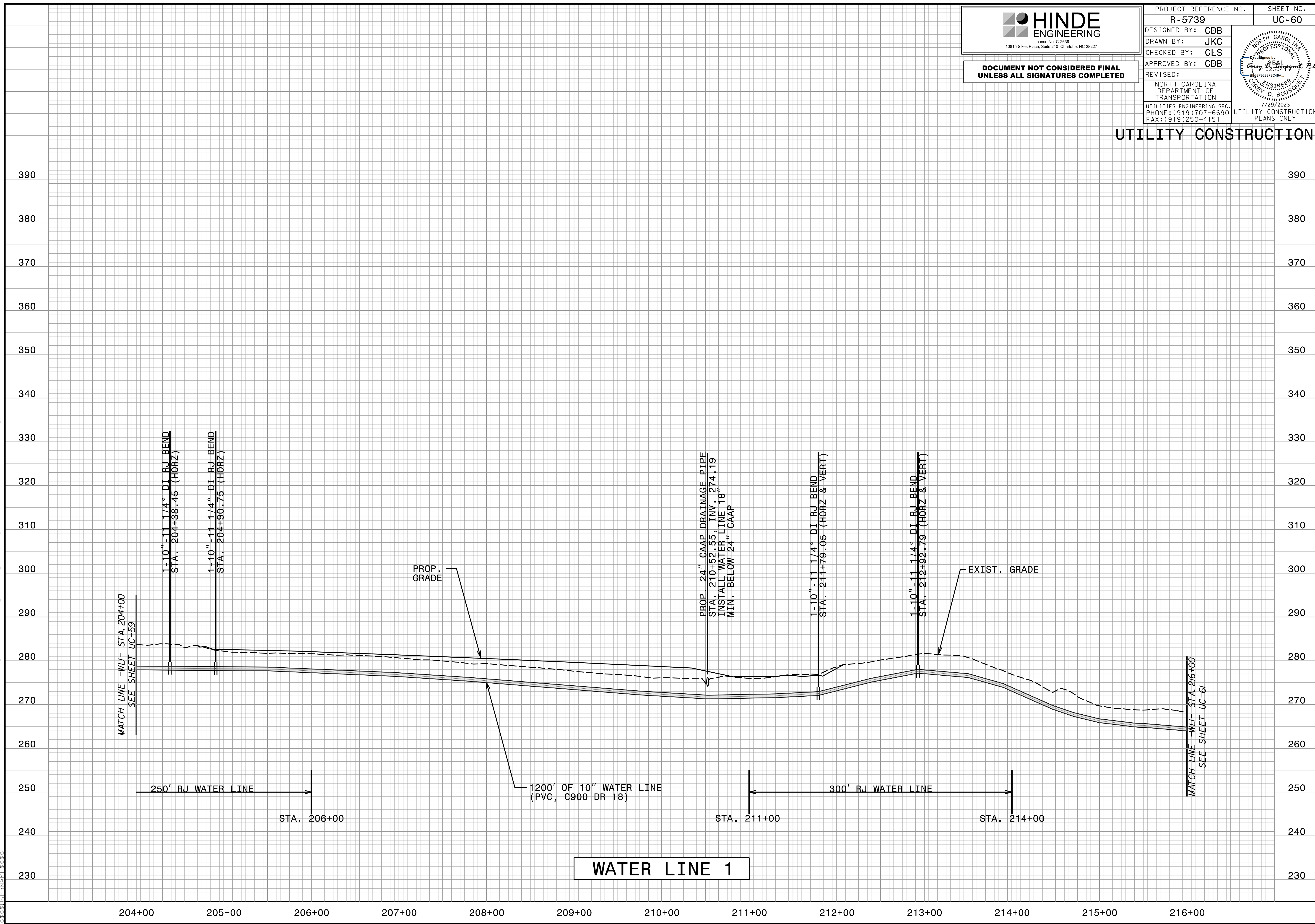
APPROVED BY: CDB

REVISÉ:

NORTH CAROLINA
DEPARTMENT OF
TRANSPORTATION

UTILITIES ENGINEERING SE
PHONE: (919) 707-669
FAX: (919) 250-4151

UTILITY CONSTRUCTION






 Designed by:
 Corey D. Bousquet, P.E.
 SEAL
 023041
 BE2392928878C6A9A...
 COREY D. BOUSQUET
 7/29/2025

UTILITY CONSTRUCTION
PLANS ONLY



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ENGINEERING

License No. C-2639
10815 Sikes Place, Suite 210 Charlotte, NC 28227

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UNLESS ALL SIGNATURES COMPLETED

PROJECT REFERENCE NO.		SHEET NO.			
R-5739		UC-62			
DESIGNED BY:	CDB	NORTH CAROLINA PROFESSIONAL ENGINEER C. D. BOUSQUET 7/29/2025 SEAL <i>C. D. Bousquet</i> 023034499			
DRAWN BY:	JKC				
CHECKED BY:	CLS				
APPROVED BY:	CDB				
REVISED:		UTILITY CONSTRUCTION PLANS ONLY			
NORTH CAROLINA DEPARTMENT OF TRANSPORTATION					
UTILITIES ENGINEERING SEC. PHONE: (919) 707-6690 FAX: (919) 250-4151					

UTILITY CONSTRUCTION

20-JUL-2025 07:57
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338315716

WATER LINE 1

1200' OF 10" WATER LINE (PVC, C900 DR 18)

1400' RJ WATER LINE

PROP. GRADE

EXIST. GRADE

MATCH LINE -WLI- STA. 228+00 SEE SHEET UC-61

MATCH LINE -WLI- STA. 240+00 SEE SHEET UC-63

1-10" -11 1/4° DI RJ BEND STA. 232+54.83 (HORZ)

1-10" -11 1/4° DI RJ BEND STA. 232+73.48 (HORZ)

1-10" -11 1/4° DI RJ BEND STA. 232+93.48 (HORZ)

1-10" -11 1/4° DI RJ BEND STA. 233+11.95 (HORZ)

1-10" -22 1/2° DI RJ BEND STA. 234+53.21 (HORZ & VERT)

1-10" -22 1/2° DI RJ BEND STA. 234+77.24 (HORZ)

1-10" -22 1/2° DI RJ BEND STA. 235+17.24 (HORZ & VERT)

1-10" -22 1/2° DI RJ BEND STA. 235+41.27 (HORZ)

1-10" VALVE STA. 236+94.93

1-10" X 10" DI RJ TEE STA. 236+99.93, WL-1 STA. 0+00, WL-7

1-10" VALVE STA. 237+50

1-10" X 10" DI RJ TEE STA. 238+09.93, WL-1 STA. 0+00, WL-8

1-10" VALVE STA. 238+14.93

1-6" X 6" DI RJ TEE (FH) STA. 238+64

PROP. 24" CAAP DRAINAGE PIPE STA. 242+08.31, INV. 236.65

INSTALL WATER LINE 18" MIN. BELOW 24" CAAP

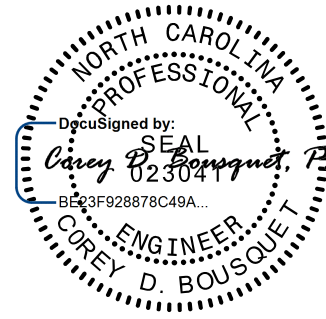
STA. 231+50

WL-1 237.92 9.83



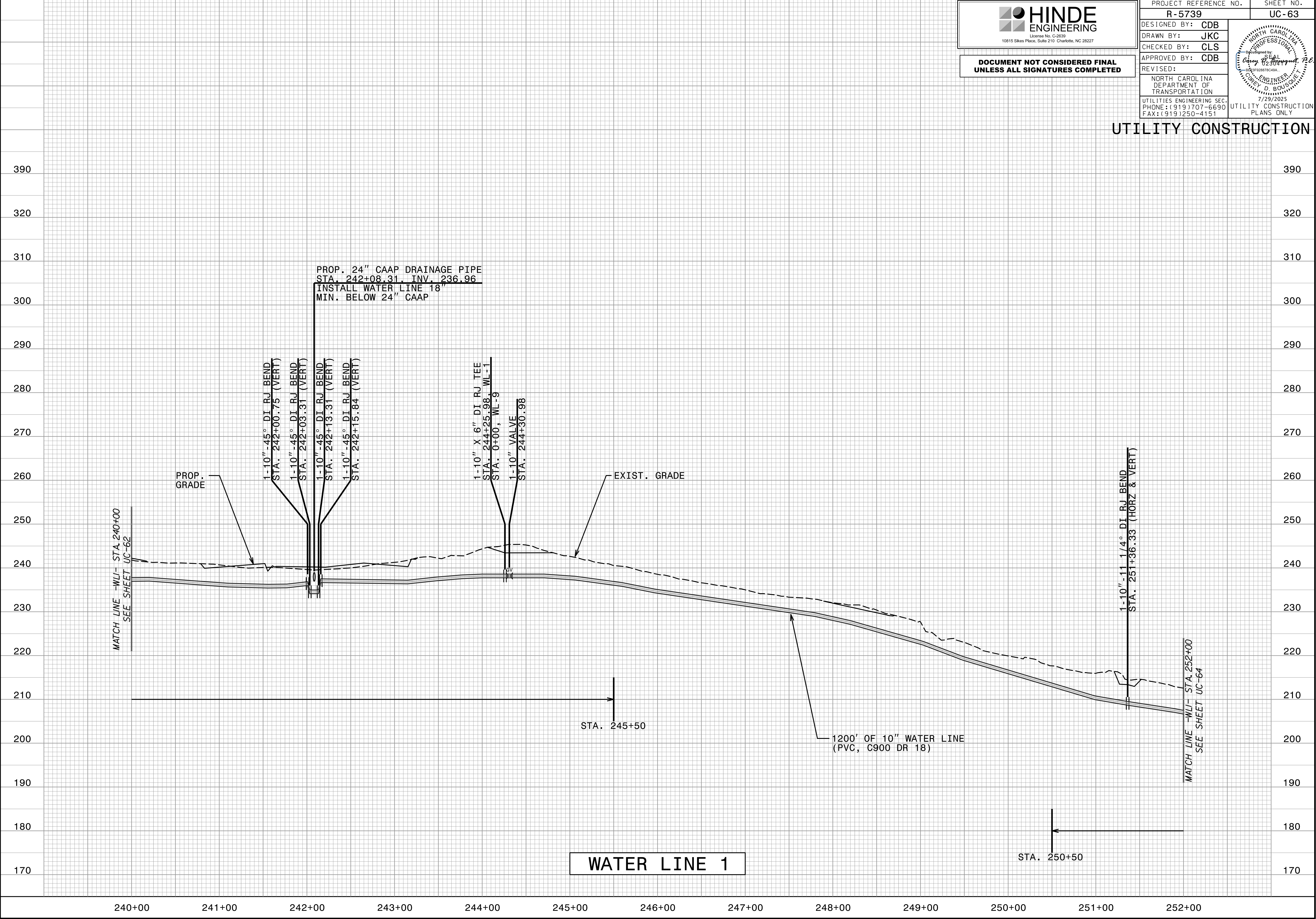
HINDE
ENGINEERING
License No. C-2639
10815 Sikes Place, Suite 210 Charlotte, NC 28227

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PROJECT REFERENCE NO.		SHEET NO.
R-5739		UC-63
DESIGNED BY:	CDB	
DRAWN BY:	JKC	
CHECKED BY:	CLS	
APPROVED BY:	CDB	
REVISED:		
NORTH CAROLINA DEPARTMENT OF TRANSPORTATION		
UTILITIES ENGINEERING SEC. PHONE: (919) 707-6690 FAX: (919) 250-4151		7/29/2025 UTILITY CONSTRUCTION PLANS ONLY

UTILITY CONSTRUCTION

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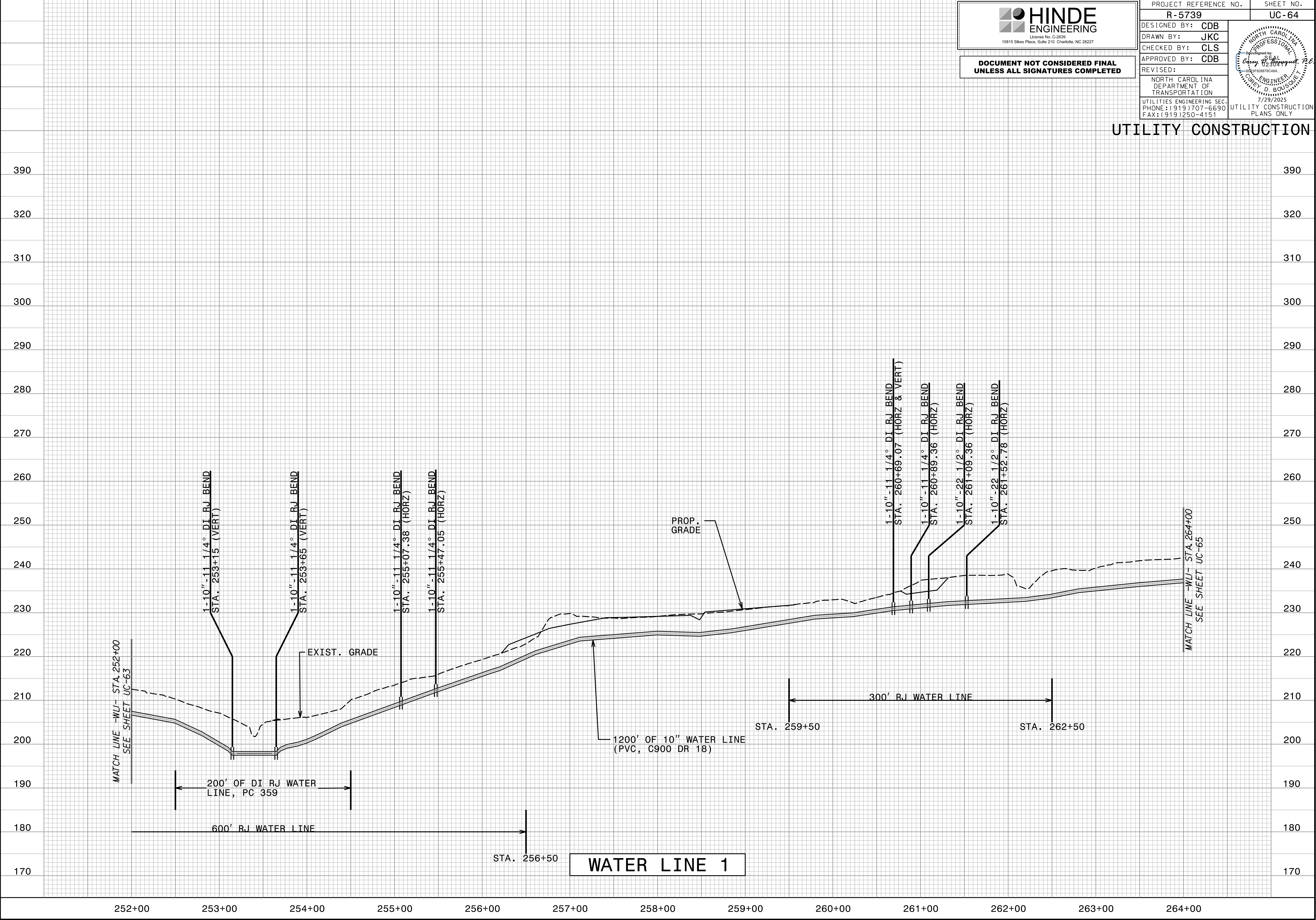
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License No. C-2639
10815 Sikes Place, Suite 210 Charlotte, NC 28227

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PROJECT REFERENCE NO.		SHEET NO.	
R-5739		UC-64	
DESIGNED BY: CDB		Seal of Professional Engineer North Carolina Professional Engineer Seal No. 023044999 P.E. 7/29/2025 C. D. BOUSQUET	
DRAWN BY: JKC			
CHECKED BY: CLS			
APPROVED BY: CDB			
REVISED:			
NORTH CAROLINA DEPARTMENT OF TRANSPORTATION		UTILITY CONSTRUCTION PLANS ONLY	
UTILITIES ENGINEERING SEC.			
PHONE: (919) 707-6690 FAX: (919) 250-4151			

UTILITY CONSTRUCTION

20-JUL-2025 07:58
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3388157161






 Discussed by: *Corey D. Bousquet, P.E.*
 SEAL
 023094
 BE23F928878C49A...
 COREY D. BOUSQUET
 7/29/2025

UTILITY CONSTRUCTION
PLANS ONLY



DocuSigned by:

SEAL

Corey D. Bousquet, P.E.

023041

BE23F928878C49A...

ENGINEER

COREY D. BOUSQUET

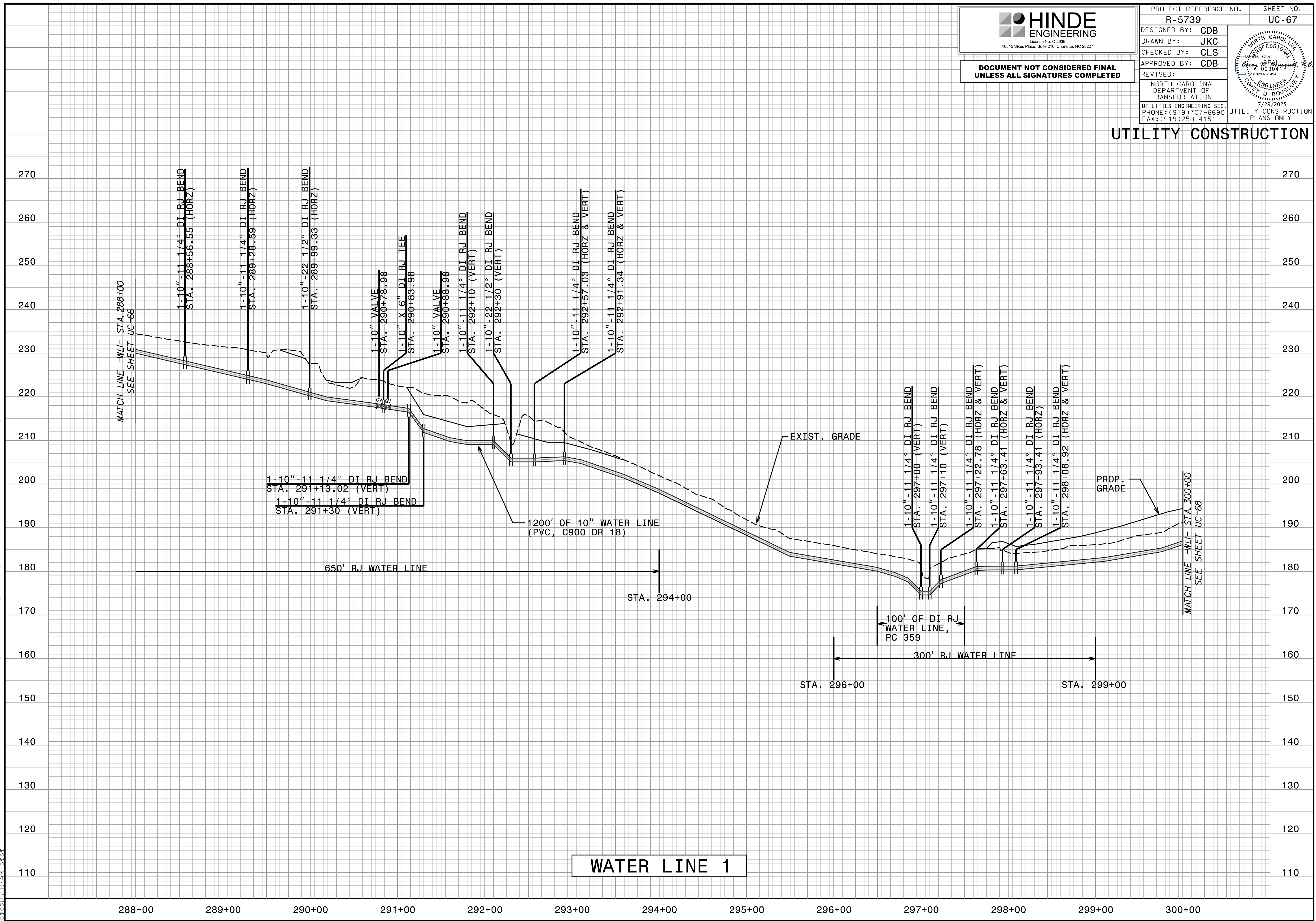
UTILITY CONSTRUCTION
PLANS ONLY





Designated by:
Corey D. Bousquet P.E.
023041
0623F928B78C49A...
ENGINEER
COREY D. BOUSQUET

WATER LINE 1





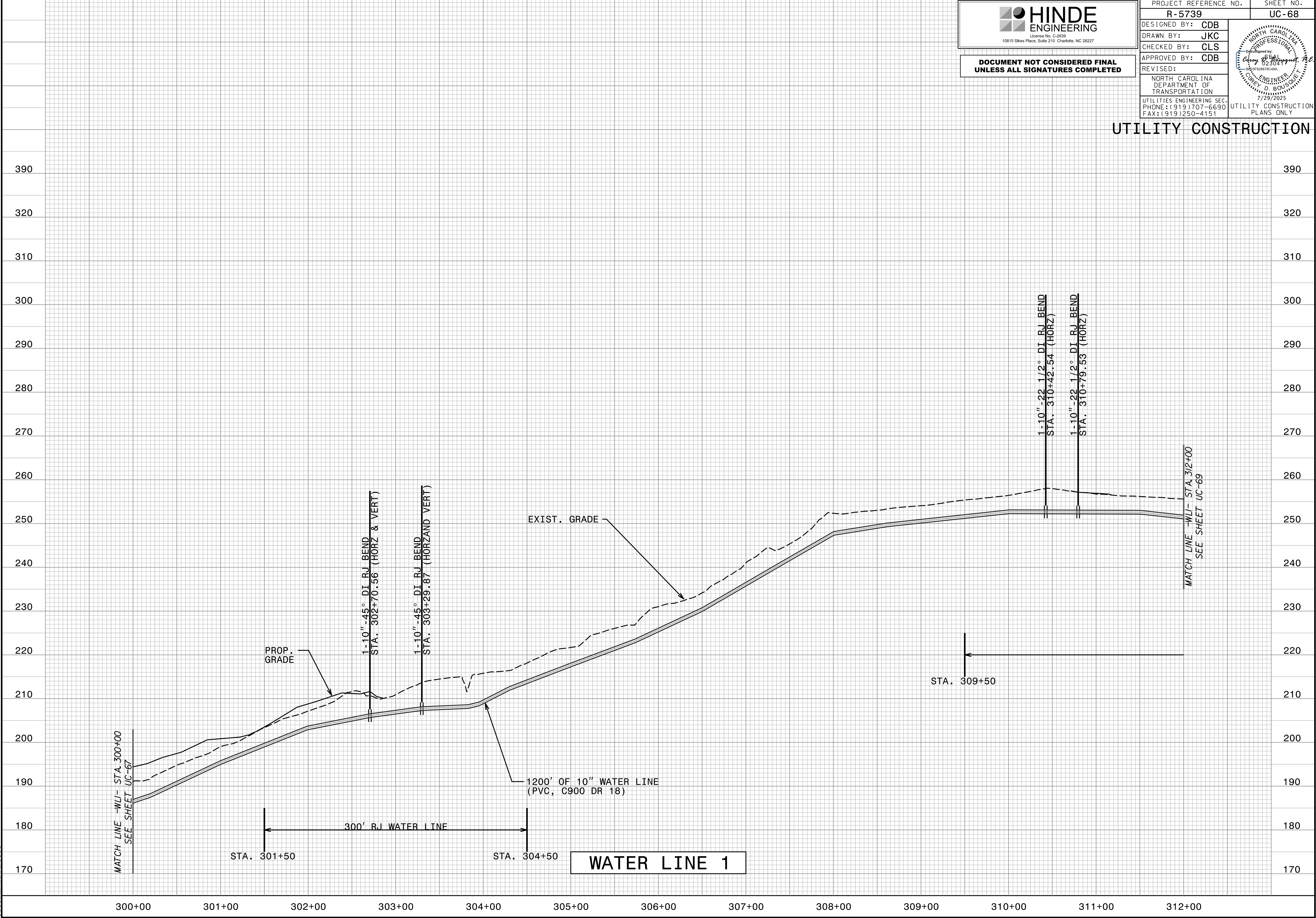
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License No. C-2639
10815 Sikes Place, Suite 210 Charlotte, NC 28227

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PROJECT REFERENCE NO.		SHEET NO.	
R-5739		UC-68	
DESIGNED BY:	CDB		
DRAWN BY:	JKC		
CHECKED BY:	CLS		
APPROVED BY:	CDB		
REVISED:			
NORTH CAROLINA DEPARTMENT OF TRANSPORTATION		7/29/2025	
UTILITIES ENGINEERING SEC. PHONE: (919) 707-6690 FAX: (919) 250-4151		UTILITY CONSTRUCTION PLANS ONLY	

UTILITY CONSTRUCTION

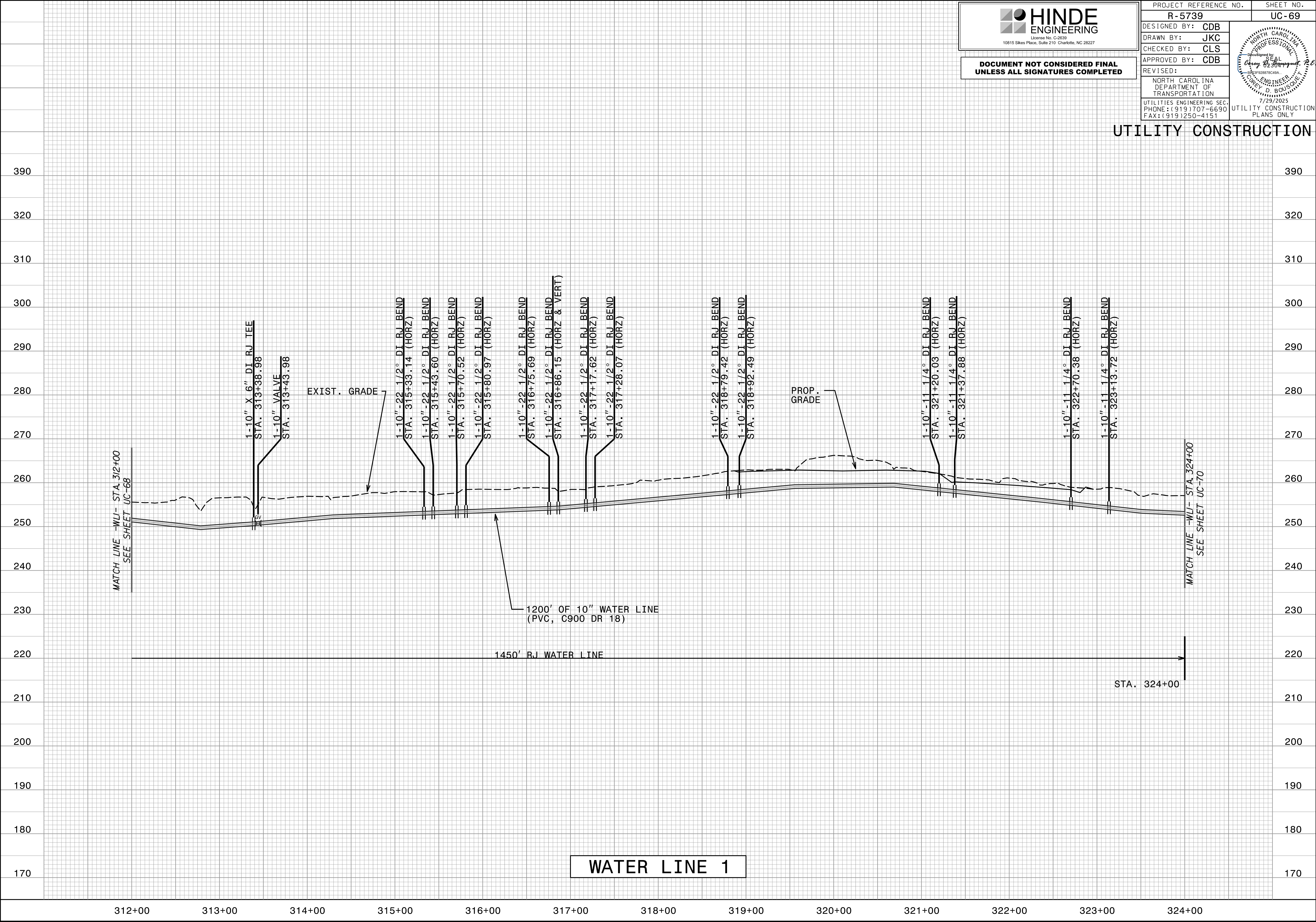
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DocuSigned by:
Corey D. Bousquet, P.E.
B273F928B78C49A...

WATER LINE 1





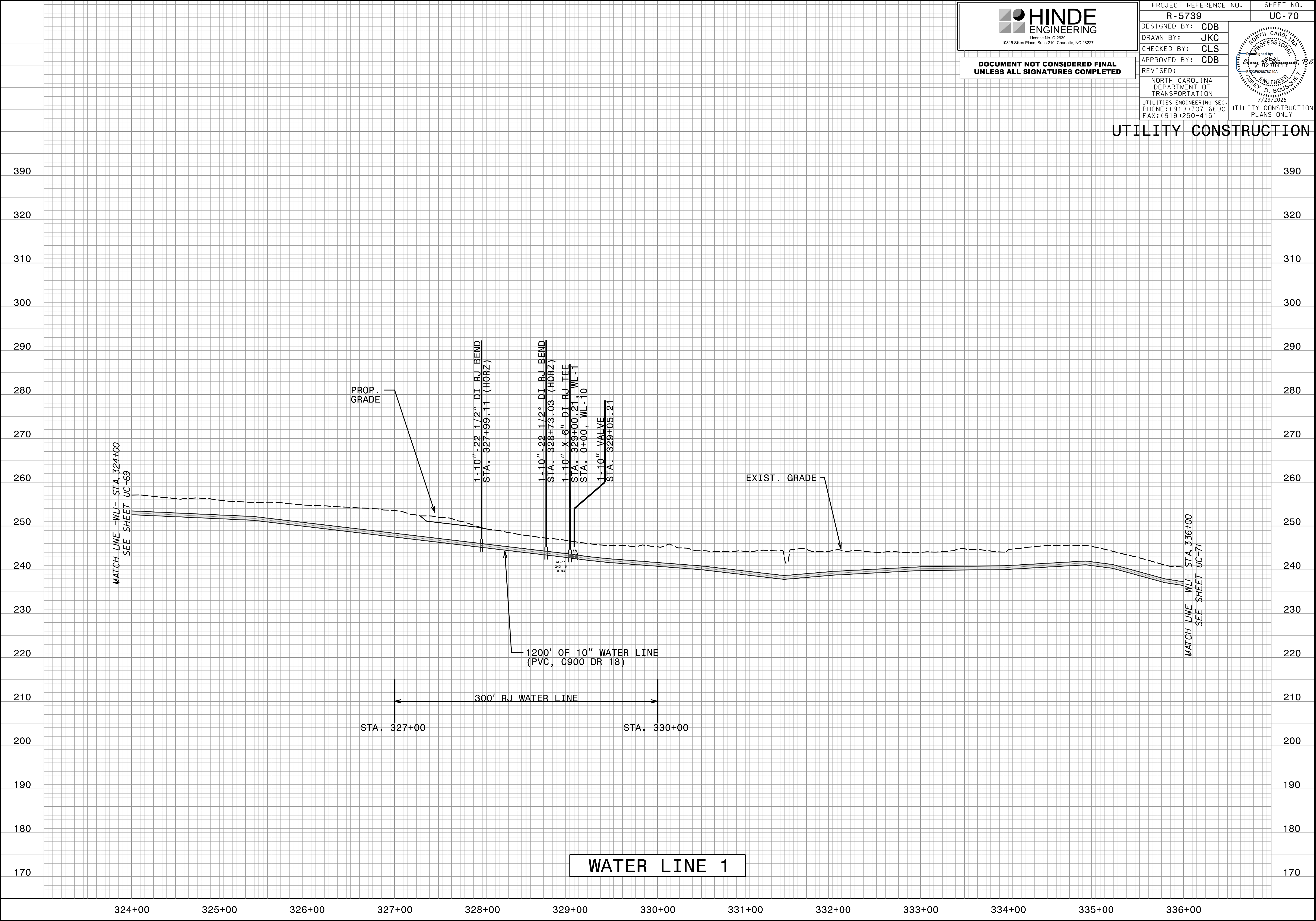
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License No. C-2639
10815 Sikes Place, Suite 210 Charlotte, NC 28227

**DOCUMENT NOT CONSIDERED FINAL
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PROJECT REFERENCE NO.		SHEET NO.			
R-5739		UC-70			
DESIGNED BY: CDB		Seal of the State Engineer North Carolina Professional Engineer C. D. BOUSQUET No. 02304 Exp. 7/29/2025			
DRAWN BY: JKC					
CHECKED BY: CLS					
APPROVED BY: CDB					
REVISED:					
NORTH CAROLINA DEPARTMENT OF TRANSPORTATION		UTILITY CONSTRUCTION PLANS ONLY			
UTILITIES ENGINEERING SEC.					
PHONE: (919) 707-6690 FAX: (919) 250-4151					

UTILITY CONSTRUCTION

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3381517616





North Carolina Professional Engineer
 Seal of Corey D. Bousolet, P.E.
 License No. 30928
 Date: 7/29/2025

UTILITY CONSTRUCTION
PLANS ONLY





The seal is circular with a double-lined border. The outer ring contains the text "NORTH CAROLINA" at the top and "ENGINEER" at the bottom. The inner ring contains the text "PROFESSIONAL" at the top and "COREY D. BOUSQUET" at the bottom. In the center, it says "Seal" and "233928878C49A".

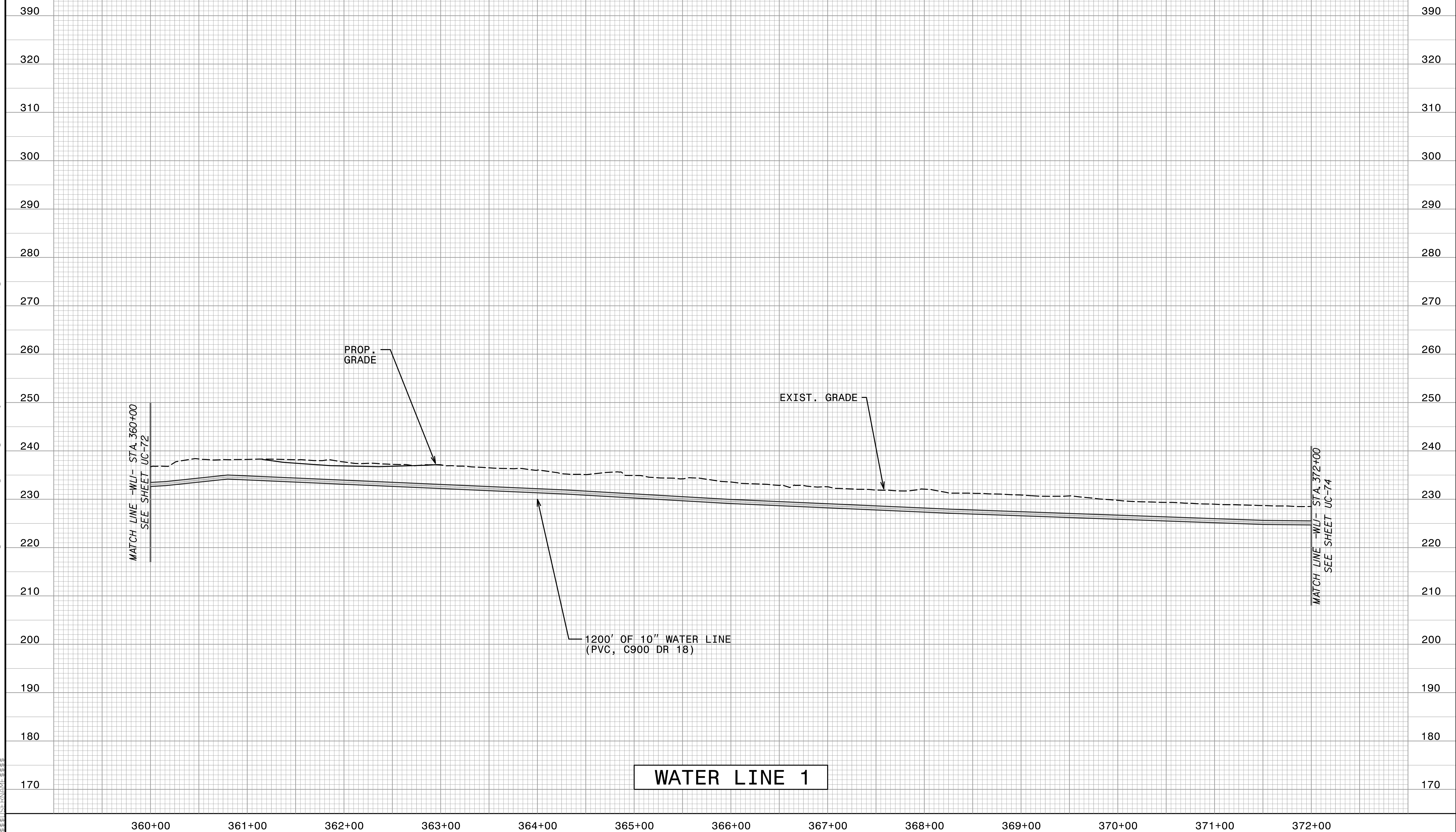
UTILITY CONSTRUCTION
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DocuSigned by:
Corey D. Bousquet, P.E.
SEAL
023302
B239FQ28878C49A...
ENGINEER
COREY D. BOUSQUET
7/29/2025

UTILITY CONSTRUCTION





Designed by:

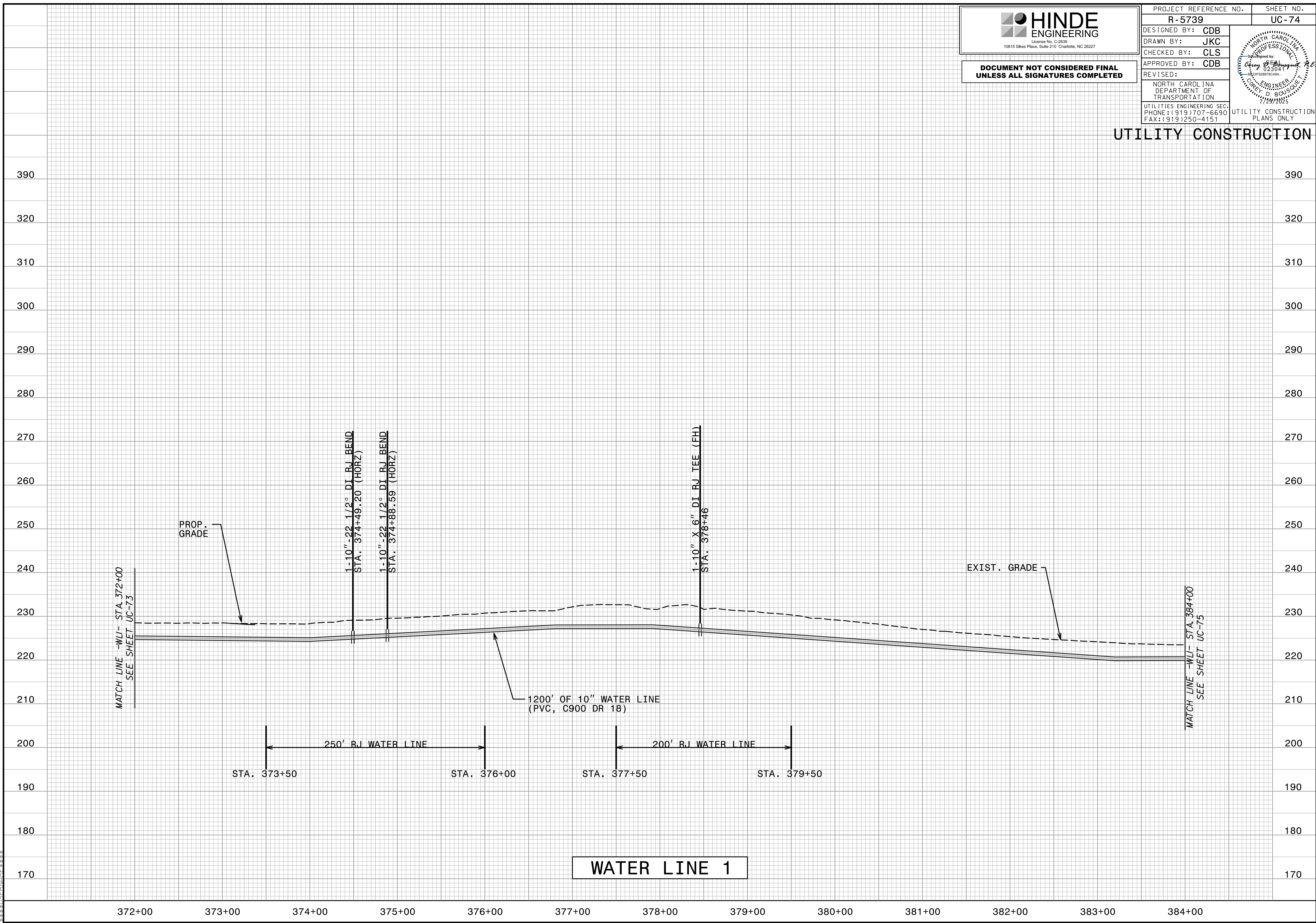
Corey D. Bousquet, P.E.

023041

BR23FD28878C49A...

7/29/2025

UTILITY CONSTRUCTION





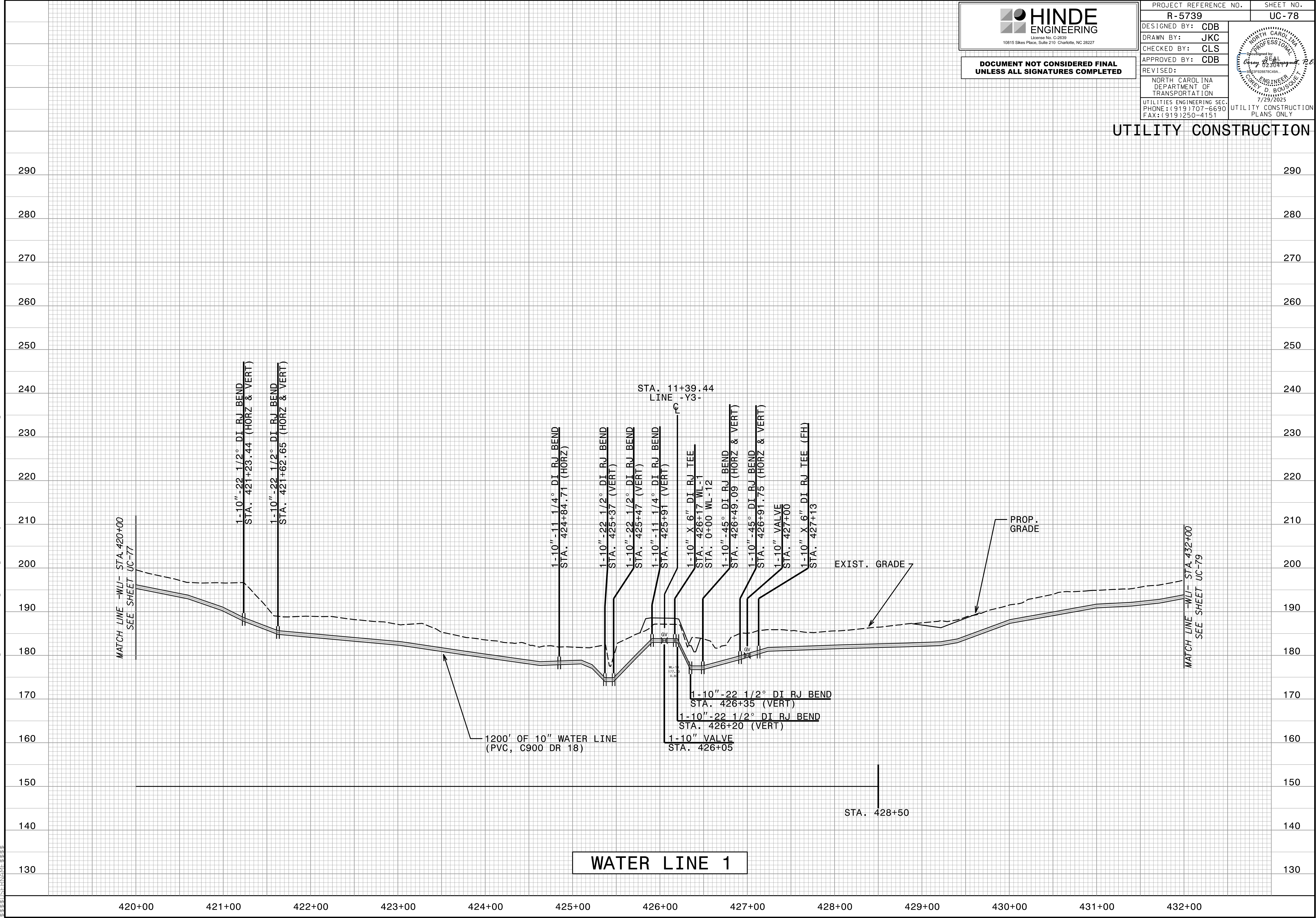
UTILITY CONSTRUCTION
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Seal of the Professional Engineer, State of North Carolina. The seal is circular with the text "NORTH CAROLINA PROFESSIONAL ENGINEER" around the perimeter. In the center, it says "SEAL", "023694", and "COREY D. BOUSQUET". A blue line points to the text "Designed by:" above the signature "Corey D. Bousquet, P.E.". Below the signature is the license number "BS23F928878C49A..." and the expiration date "12/31/2017".



PROJECT REFERENCE NO.		SHEET NO.	
R-5739		UC-78	
DESIGNED BY: CDB			
DRAWN BY: JKC			
CHECKED BY: CLS			
APPROVED BY: CDB			
REVISED:			
NORTH CAROLINA DEPARTMENT OF TRANSPORTATION		UTILITIES ENGINEERING SEC. PHONE: (919)707-6690 FAX: (919)250-4151	
		UTILITIES CONSTRUCTION PLANS ONLY	





Seal of the Professional Engineer, State of North Carolina. The seal is circular with a dotted border. Inside the border, the text "NORTH CAROLINA" is at the top, "PROFESSIONAL" is in the middle, and "ENGINEER" is at the bottom. In the center, it says "SEAL" and "023041". Below the seal, the text "7/29/2025" is visible.

UTILITY CONSTRUCTION
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NORTH CAROLINA
 PROFESSIONAL
 SEAL
 023034
 B62F3928B78C43A...
 COREY D. BOUSQUET
 7/29/2025

UTILITY CONSTRUCTION
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Seal of the Professional Engineer, Corey D. Bousquet, P.E., State of North Carolina, License No. 0230041, Exp. 12/31/2025.

UTILITY CONSTRUCTION
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7/29/2025
UTILITY CONSTRUCTION
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North Carolina
 PROFESSIONAL
 SEAL
 023044
 COREY D. BOUSQUET
 ENGINEER
 7/29/2025
 Deauthorized by:
 Corey D. Bousquet, P.E.
 BD23F928878C49A...

UTILITY CONSTRUCTION
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HINDE

ENGINEERING

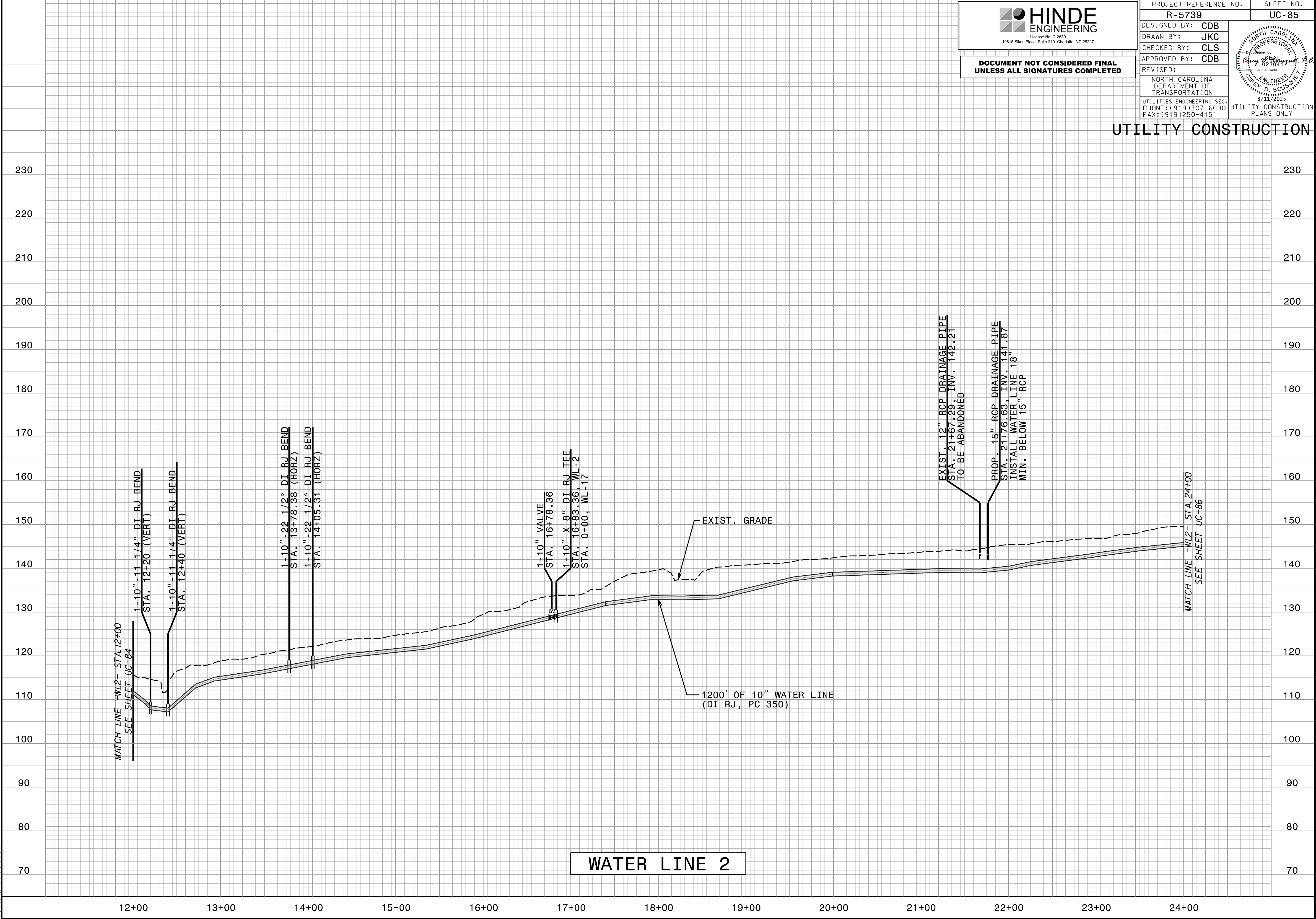
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10815 Sikes Place, Suite 210 Charlotte, NC 28227

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PROJECT REFERENCE NO.		SHEET NO.	
R-5739		UC-85	
DESIGNED BY:	CDB	North Carolina Professional Engineer CDB 023041 8/11/2025 UTILITIES ENGINEERING SEC. PHONE: (919) 707-6690 FAX: (919) 250-4151	
DRAWN BY:	JKC		
CHECKED BY:	CLS		
APPROVED BY:	CDB		
REVISED:			
NORTH CAROLINA DEPARTMENT OF TRANSPORTATION		UTILITY CONSTRUCTION PLANS ONLY	

UTILITY CONSTRUCTION

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WATER LINE 2

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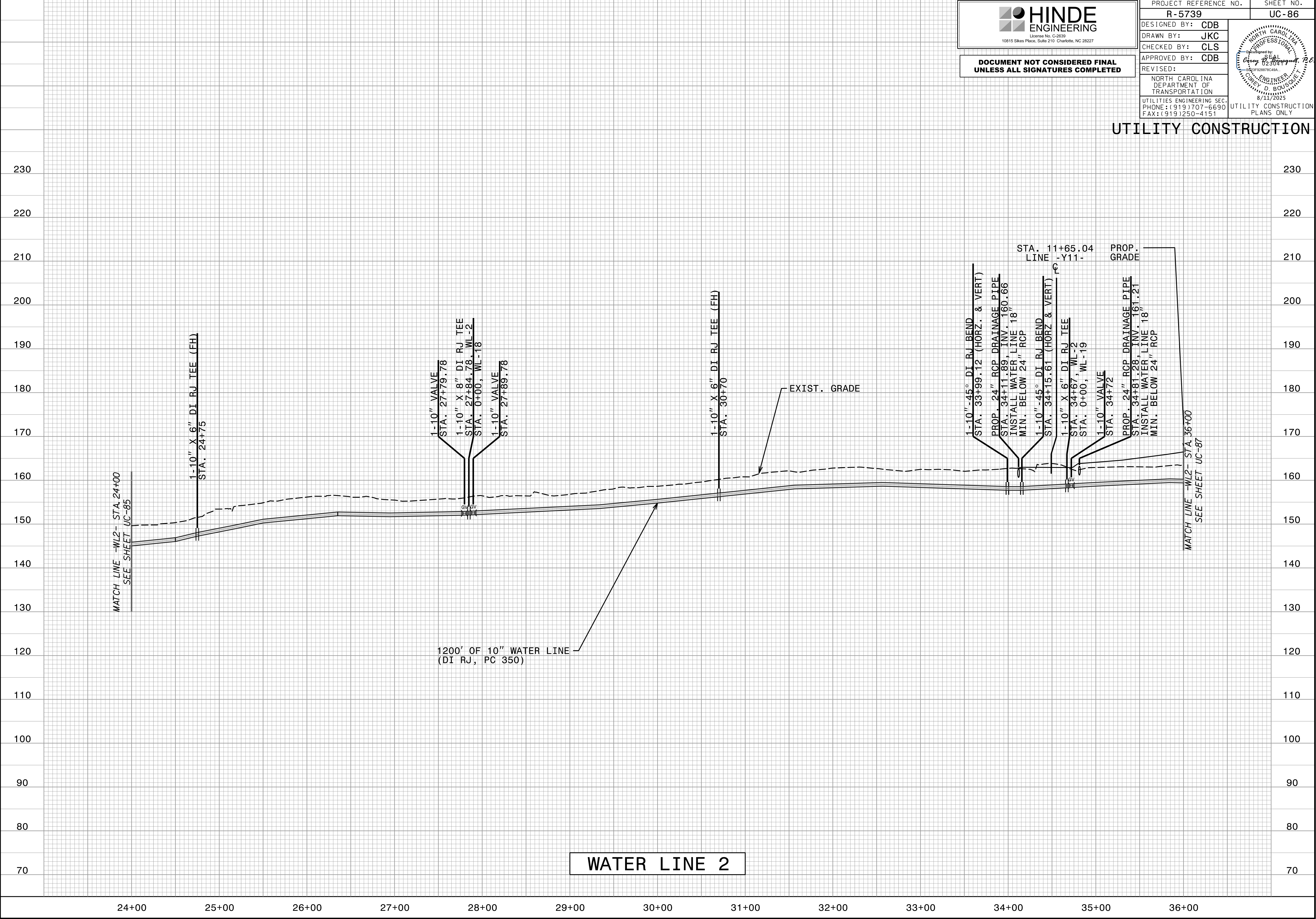
ENGINEERING

License No. C-2639
10815 Sikes Place, Suite 210 Charlotte, NC 28227

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PROJECT REFERENCE NO.		SHEET NO.	
R-5739		UC-86	
DESIGNED BY:	CDB	Seal North Carolina Professional Engineer 023047999 08/11/2025 D. BOUSQUET UTILITIES ENGINEERING SEC. PHONE: (919) 707-6690 FAX: (919) 250-4151	
DRAWN BY:	JKC		
CHECKED BY:	CLS		
APPROVED BY:	CDB		
REVISED:			
NORTH CAROLINA DEPARTMENT OF TRANSPORTATION		UTILITY CONSTRUCTION PLANS ONLY	

UTILITY CONSTRUCTION



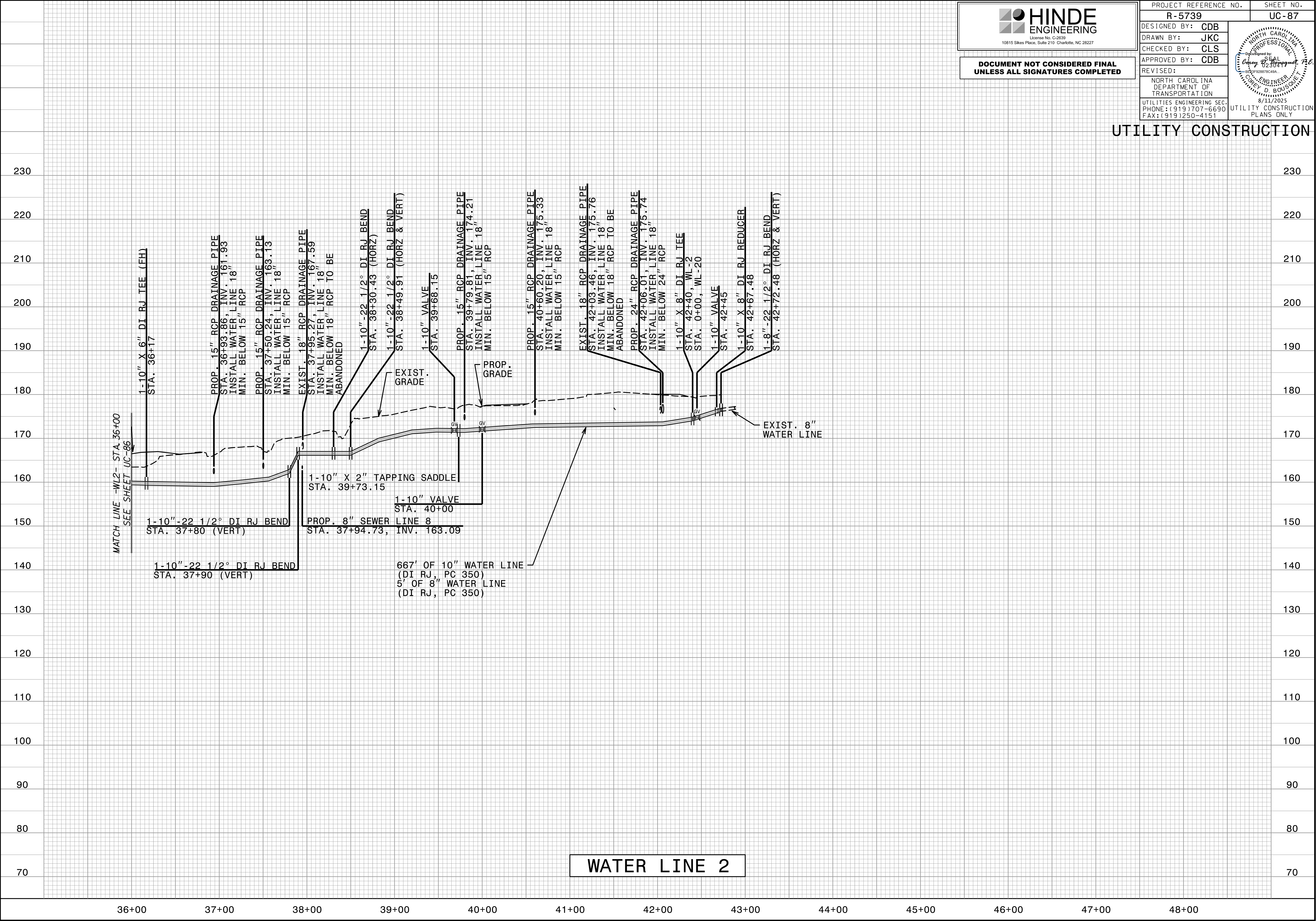


DOCUMENT NOT CONSIDERED FINAL
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PROJECT REFERENCE NO.	SHEET NO.
R-5739	UC-87
DESIGNED BY: CDB	North Carolina Professional Engineer CDB 023044999 8/11/2025 NORTH CAROLINA DEPARTMENT OF TRANSPORTATION UTILITIES ENGINEERING SEC. PHONE: (919) 707-6690 FAX: (919) 250-4151
DRAWN BY: JKC	
CHECKED BY: CLS	
APPROVED BY: CDB	
REVISED:	
NORTH CAROLINA DEPARTMENT OF TRANSPORTATION	UTILITY CONSTRUCTION PLANS ONLY

UTILITY CONSTRUCTION

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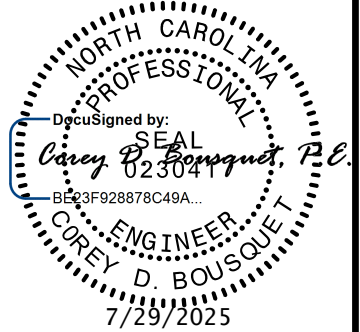
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License No. C-2639
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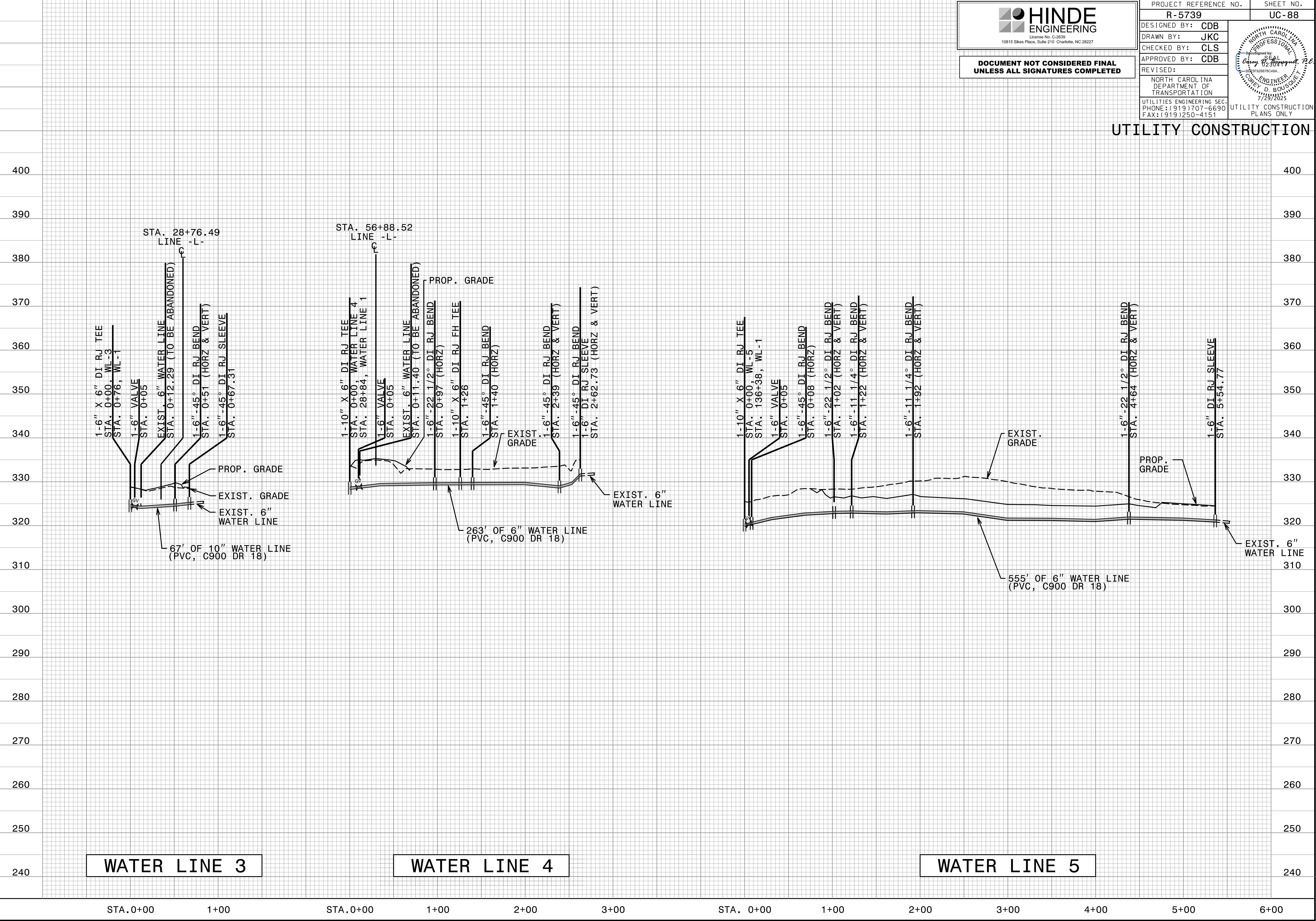
DOCUMENT NOT CONSIDERED FINAL
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PROJECT REFERENCE NO.		SHEET NO.	
R-5739		UC-88	
DESIGNED BY:	CDB	DESIGNED BY: JKC CHECKED BY: CLS APPROVED BY: CDB REVISED: NORTH CAROLINA DEPARTMENT OF TRANSPORTATION UTILITIES ENGINEERING SEC. PHONE: (919) 707-6690 FAX: (919) 250-4151	
DRAWN BY:	JKC		
CHECKED BY:	CLS		
APPROVED BY:	CDB		
REVISED:			
NORTH CAROLINA DEPARTMENT OF TRANSPORTATION		UTILITY CONSTRUCTION PLANS ONLY	



UTILITY CONSTRUCTION

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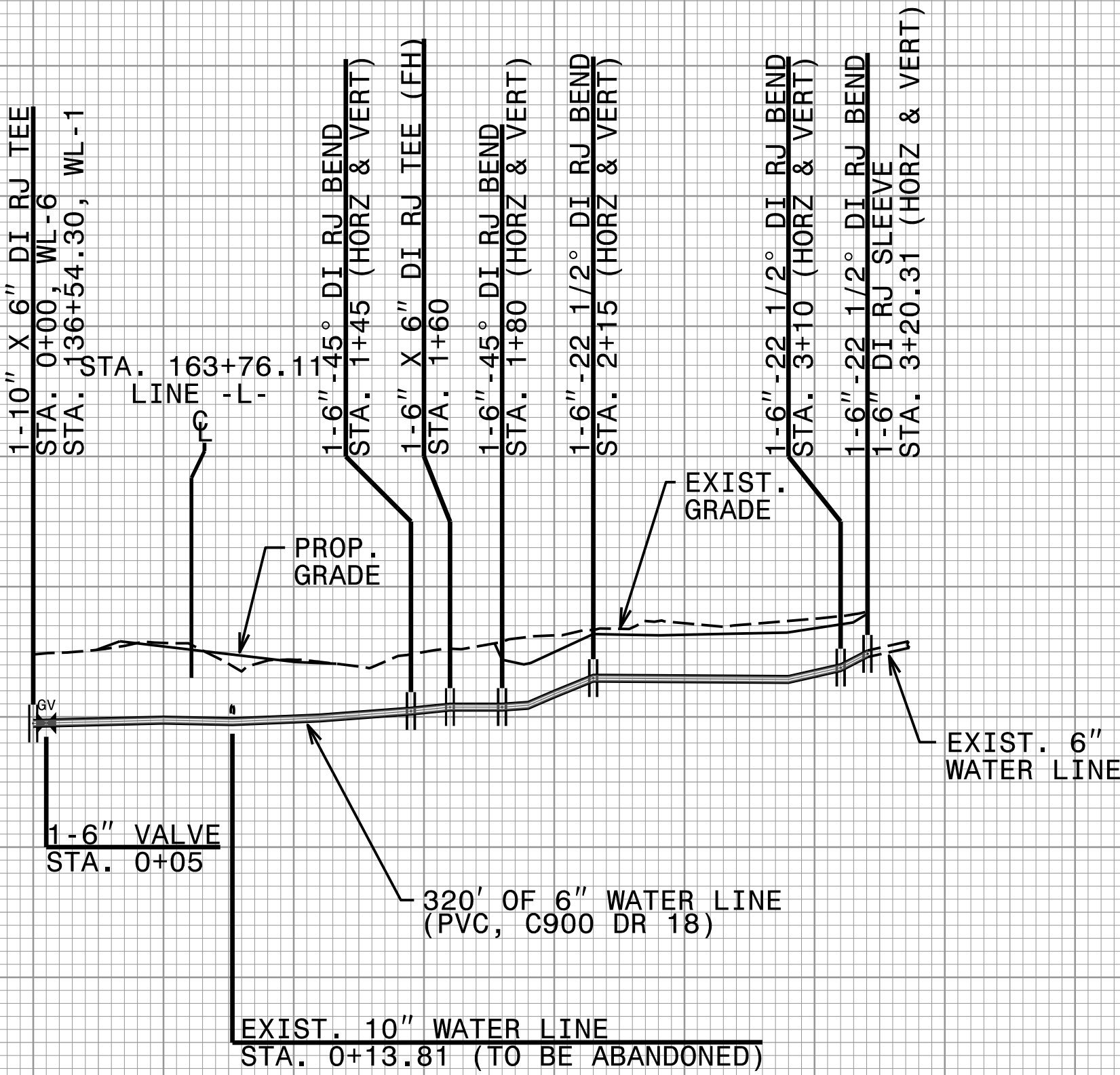
ENGINEERING

License No. C-2639
10815 Sikes Place, Suite 210 Charlotte, NC 28227

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PROJECT REFERENCE NO.		SHEET NO.	
R-5739		UC-89	
DESIGNED BY:	CDB	North Carolina Professional Engineer Seal Designated by: <i>Chris D. Boussalis</i> 023041 00239528878C49A Chris D. Boussalis 7/29/2025	
DRAWN BY:	JKC		
CHECKED BY:	CLS		
APPROVED BY:	CDB		
REVISED:			
NORTH CAROLINA DEPARTMENT OF TRANSPORTATION		UTILITY CONSTRUCTION PLANS ONLY	
UTILITIES ENGINEERING SEC. PHONE: (919) 707-6690 FAX: (919) 250-4151			

UTILITY CONSTRUCTION



WATER LINE 6

STA. 0+00 1+00 2+00 3+00 4+00



Decommissioned by:

Corey D. Bousquet, P.E.

02304

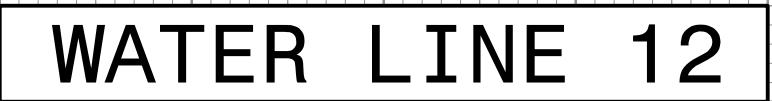
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7/29/2025

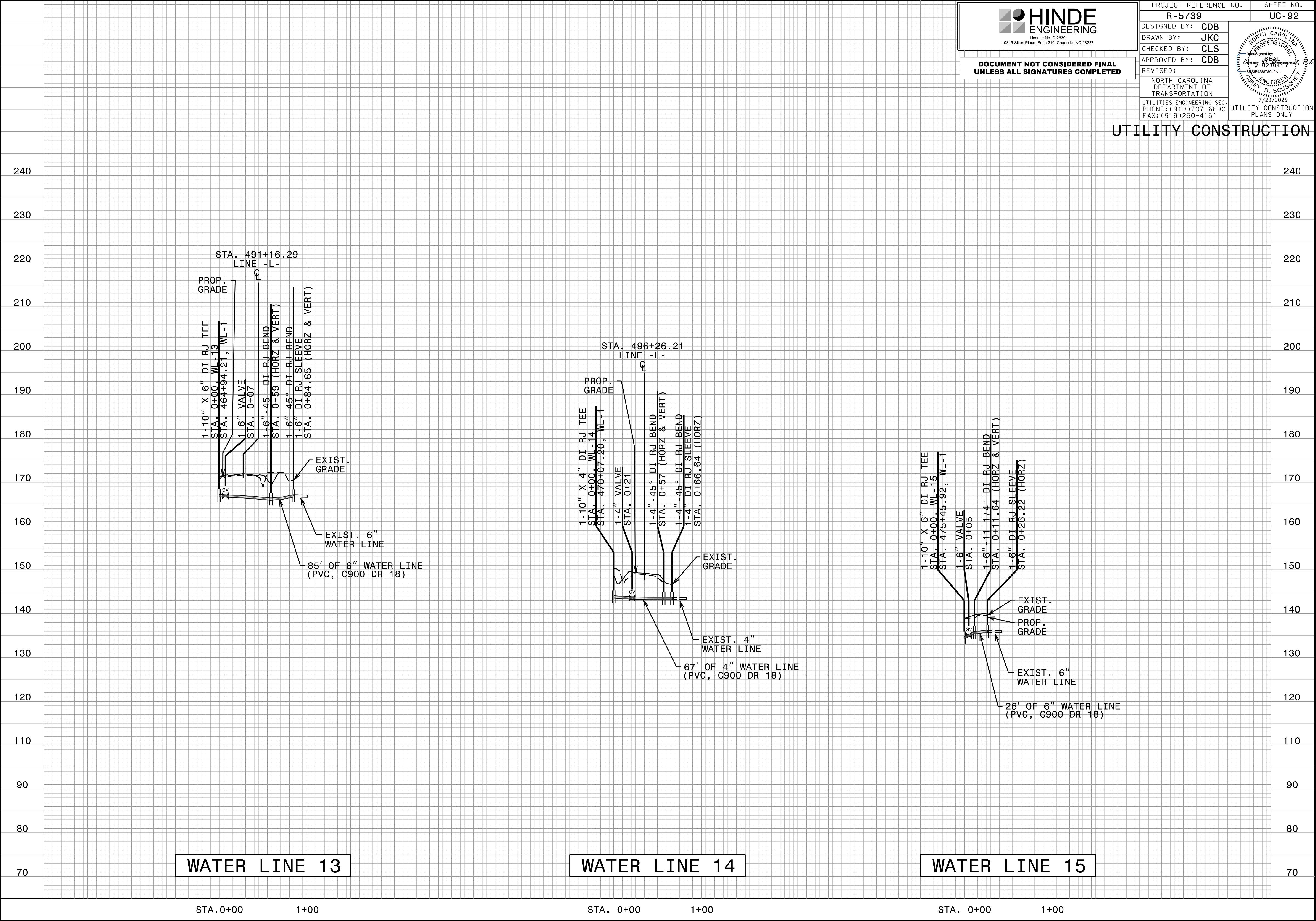
UTILITY CONSTRUCTION
PLANS ONLY



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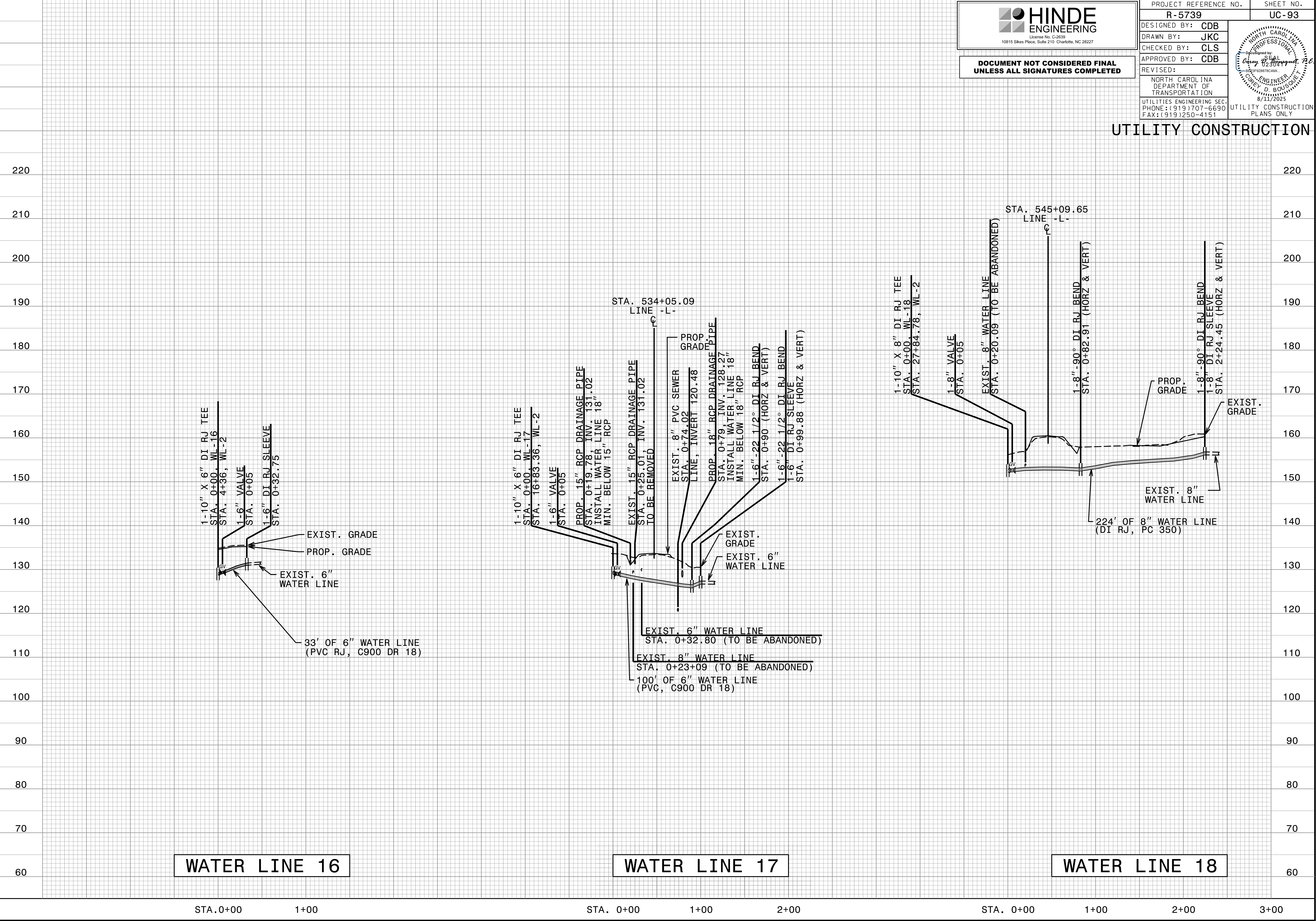


Seal of the Professional Engineer, State of North Carolina. The seal is circular with "NORTH CAROLINA" at the top and "PROFESSIONAL ENGINEER" at the bottom. In the center, it says "Seal" and "COREY D. BOUSQUET, P.E.". Below the name, it says "B-23928878-C49A" and "7/29/2025".

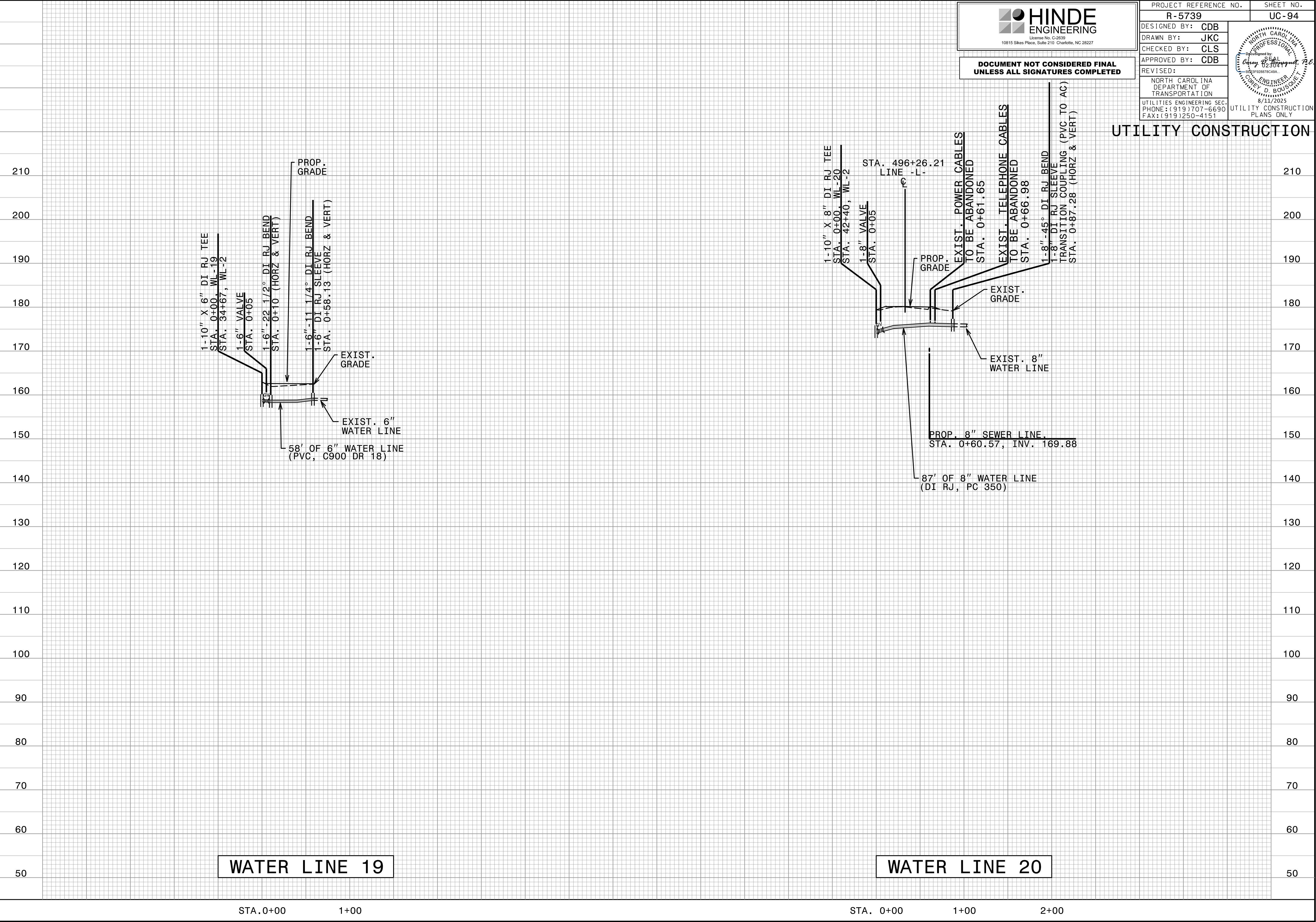


PROJECT REFERENCE NO.		SHEET NO.
R-5739		UC-93
DESIGNED BY:	CDB	NORTH CAROLINA PROFESSIONAL ENGINEER No. 060387 DAVID B. BOUSOIE EXPIRATION DATE 12/31/2025
DRAWN BY:	JKC	
CHECKED BY:	CLS	
APPROVED BY:	CDB	
REVISED:		
NORTH CAROLINA DEPARTMENT OF TRANSPORTATION		UTILITY CONSTRUCTION PLANS ONLY

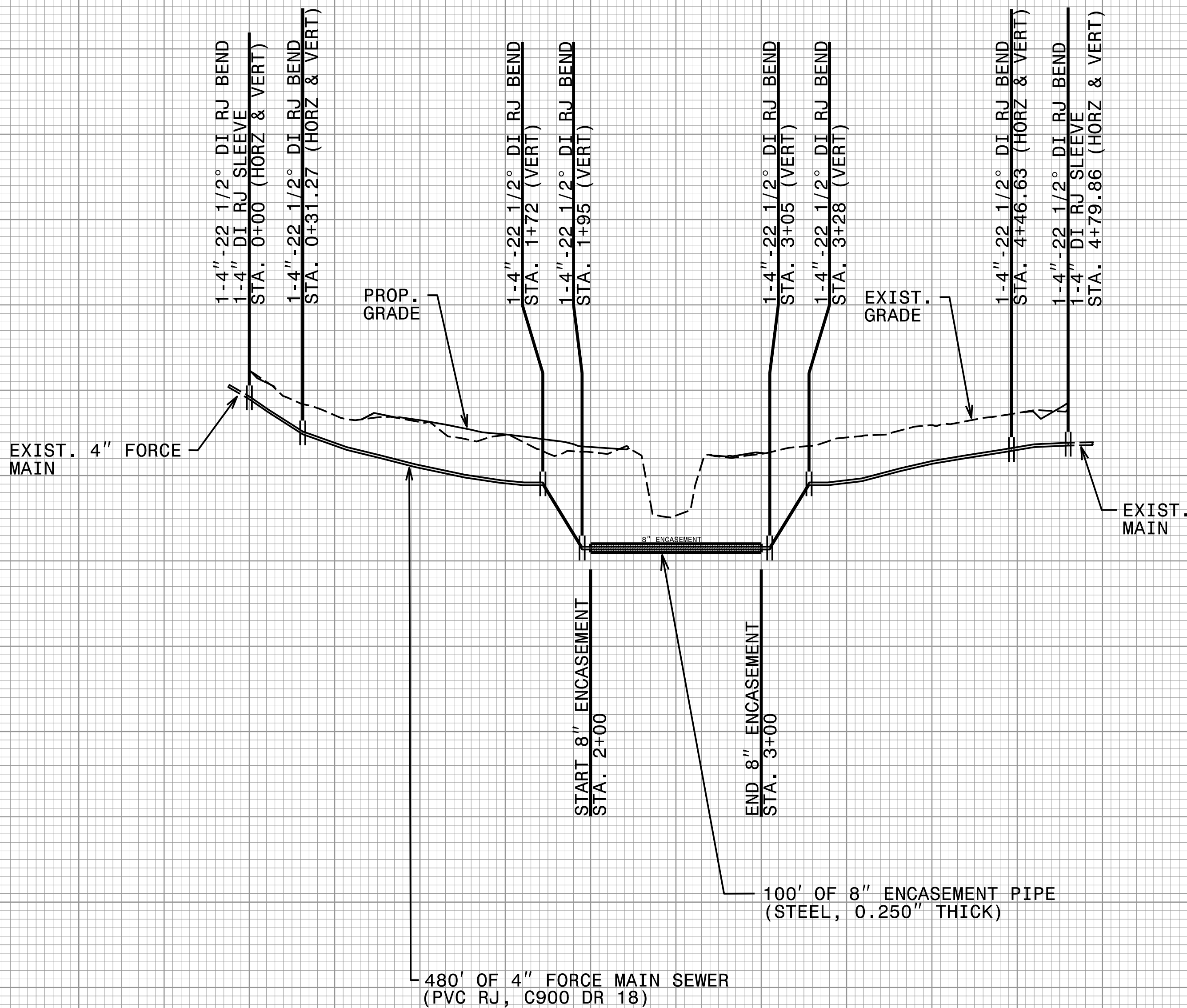
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UTILITY CONSTRUCTION



FORCE MAIN 1

STA. 0+00

1+00

2+00

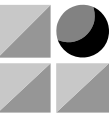
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4+00

5+00

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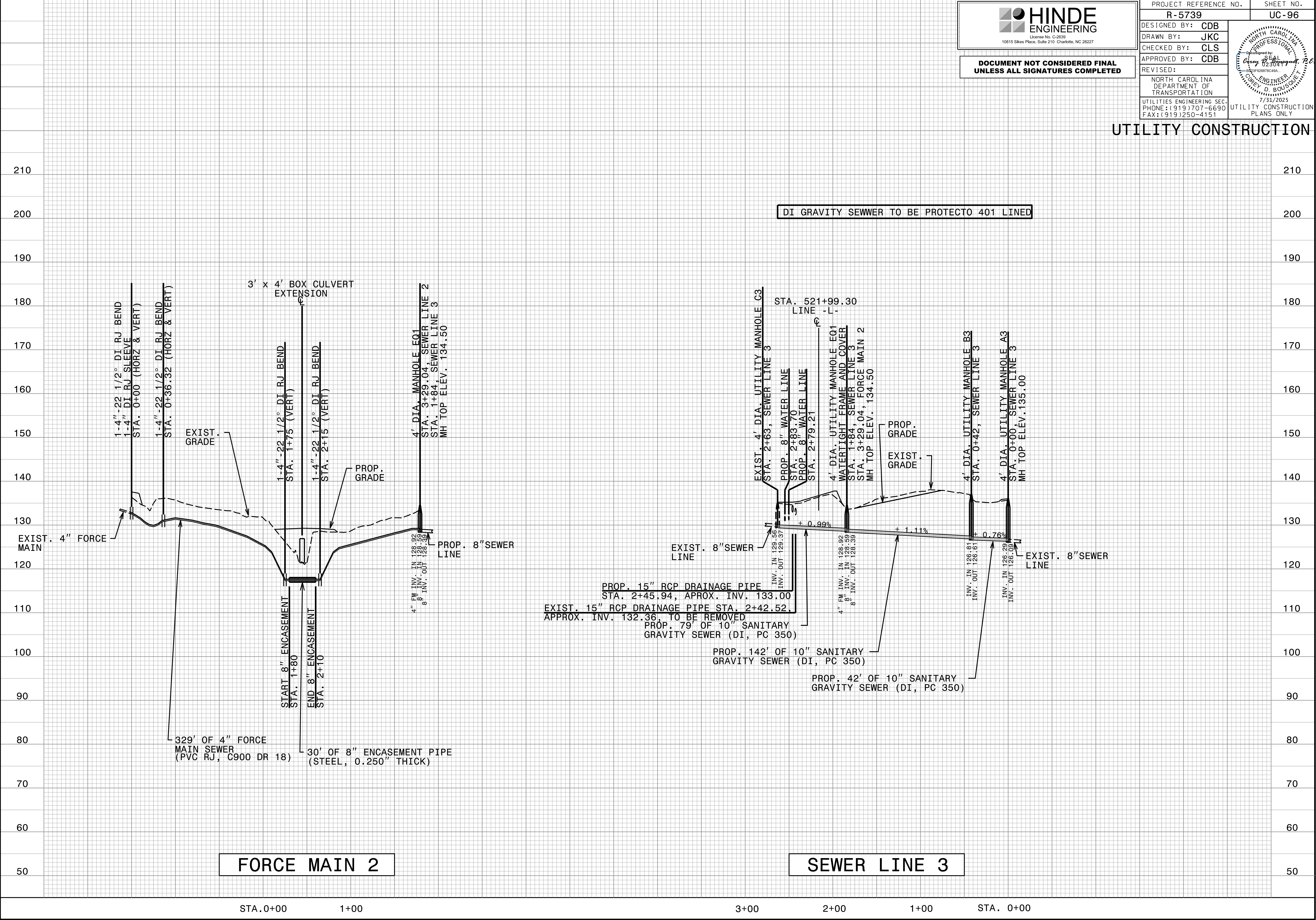


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ENGINEERING
License No. C-2639
10815 Sikes Place, Suite 210 Charlotte, NC 28227

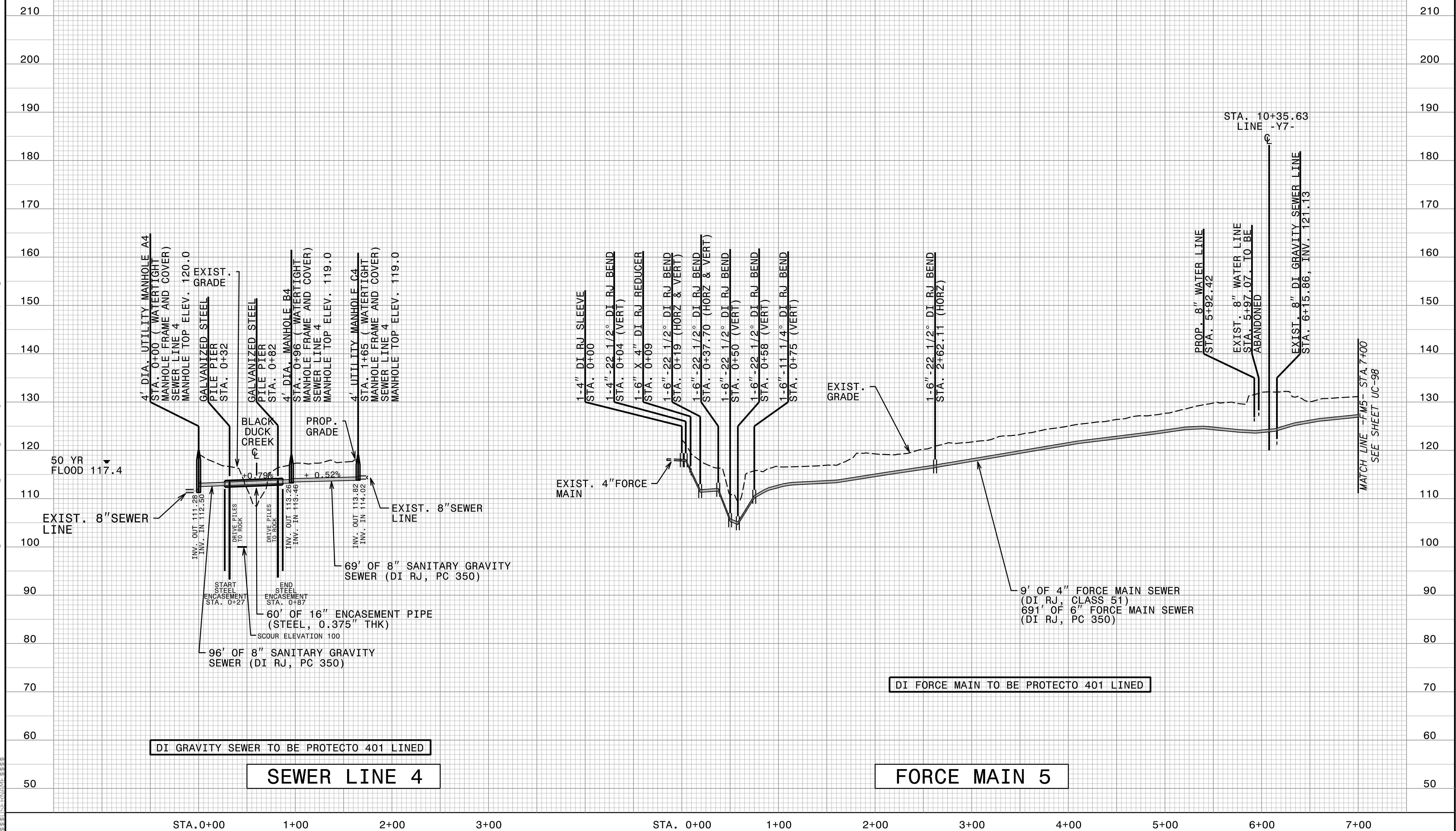
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DESIGNED BY:	CDB	North Carolina Professional Engineer Seal 020044999 0523F02878C49A CDB D BOUSQUET 7/31/2025	
DRAWN BY:	JKC		
CHECKED BY:	CLS		
APPROVED BY:	CDB		
REVISED:			
NORTH CAROLINA DEPARTMENT OF TRANSPORTATION		UTILITY CONSTRUCTION PLANS ONLY	
UTILITIES ENGINEERING SEC. PHONE: (919) 707-6690 FAX: (919) 250-4151			

UTILITY CONSTRUCTION



UTILITY CONSTRUCTION





Designed by:

Corey D. Bousquet, P.E.

023041

SEAL

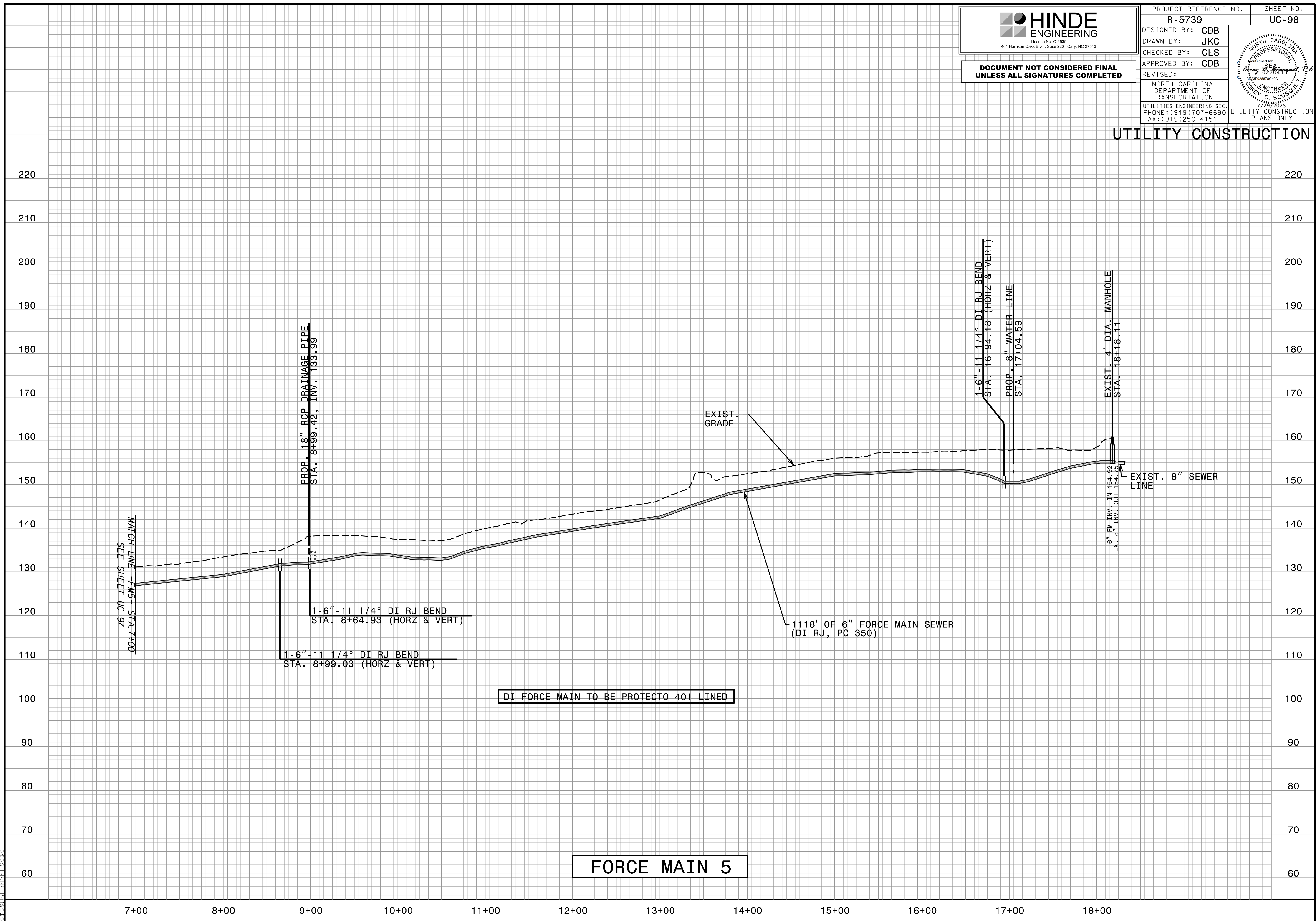
ENGINEER

COREY D. BOUSQUET

7/29/2025

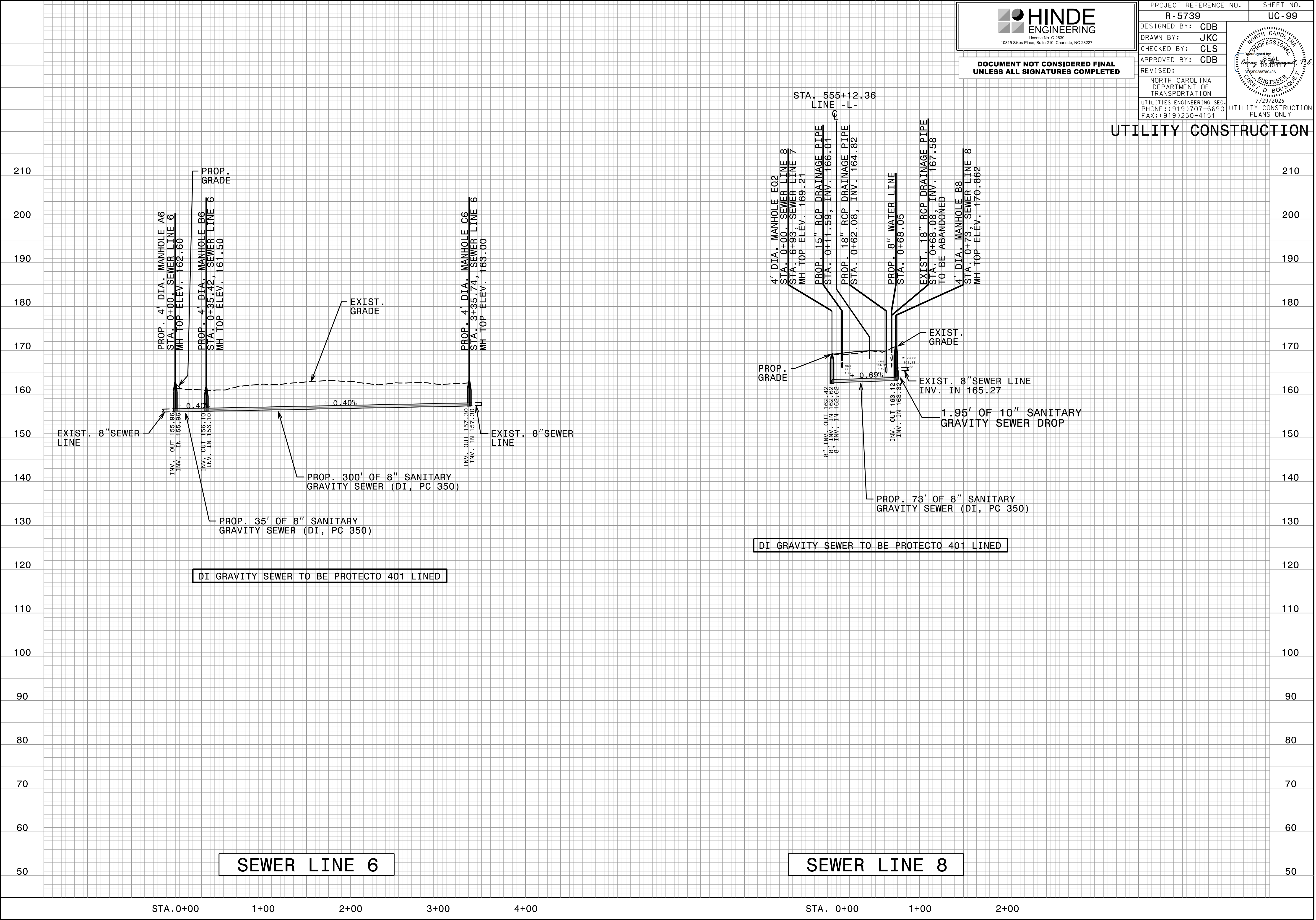
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UTILITY CONSTRUCTION



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Seal of the Professional Engineer, State of North Carolina. The seal is circular with the text "NORTH CAROLINA" at the top and "COREY D. BOUSQUET" at the bottom. In the center, it says "PROFESSIONAL ENGINEER" and "023044". Below the seal, the text "7/29/2025" and "UTILITY CONSTRUCTION PLANS ONLY" are visible.

UTILITY CONSTRUCTION

