

STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

***SUB-REGIONAL & REGIONAL
LIST OF PIPES, ENDWALLS, ETC. (FOR PIPES 48" & UNDER)***

[illegible]

NOTE: Invert Elevations are for Bid Purposes only and shall not be used for project construction stakeout.
See "Standard Specifications For Roads and Structures, Section 300-5".

SUB-REGIONAL & REGIONAL

LIST OF PIPES, ENDWALLS, ETC. (FOR PIPES 48" & UNDER) – DETOUR DRAINAGE

[illegible]

SUB-REGIONAL & REGIONAL
LIST OF PIPES, ENDWALLS, ETC. (FOR PIPES 48" & UNDER) – TEMPORARY DRAINAGE

[illegible]

STATE OF NORTH CAROLINA DIVISION OF HIGHWAYS

NOTE: Invert Elevations are for Bid Purposes only and shall not be used for project construction stakeout.
See "Standard Specifications For Roads and Structures, Section 300-5".

SUB-REGIONAL & REGIONAL

REMARKS

5/9/06

COMPUTED BY: HC	DATE: 2/27/2025
CHECKED BY: MMS	DATE: 2/27/2025

DIVISION OF HIGHWAYS
STATE OF NORTH CAROLINA

PROJECT REFERENCE NO.	SHEET NO.
P-5707	36-1
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	

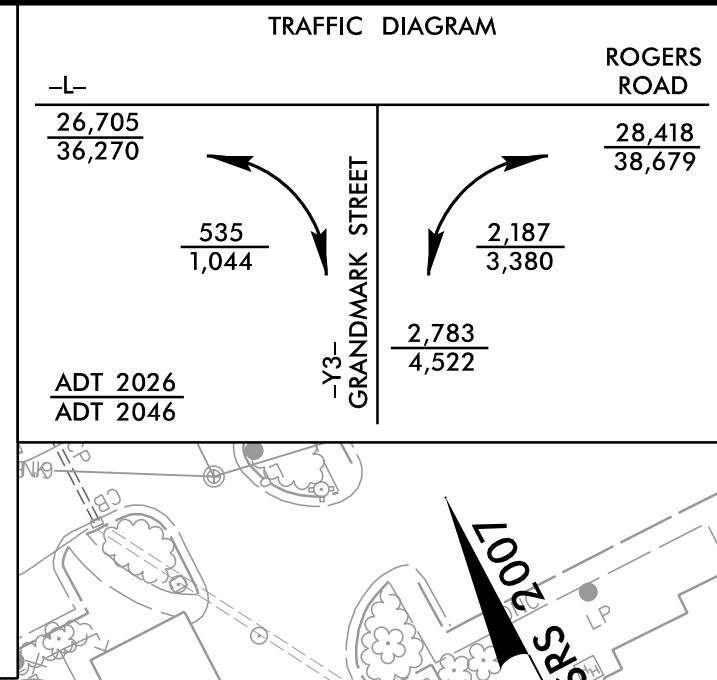
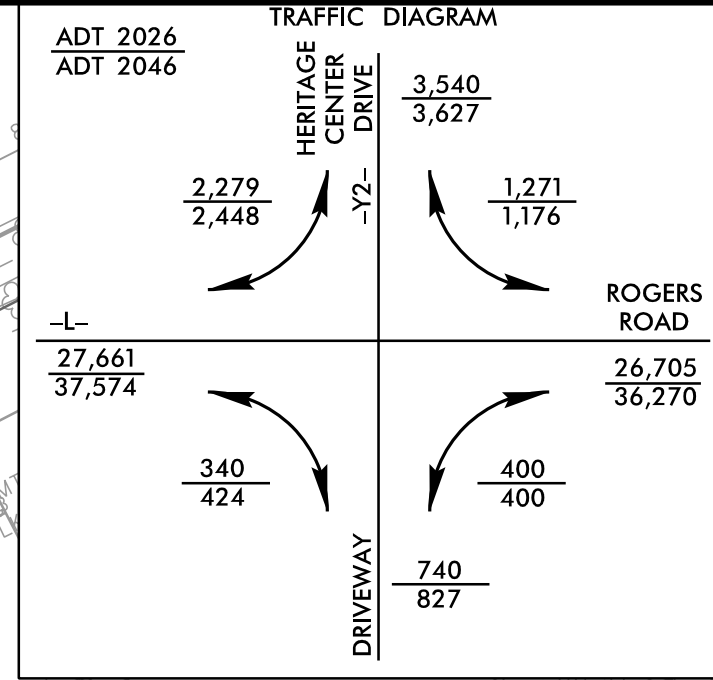
SUMMARY OF SUBSURFACE DRAINAGE

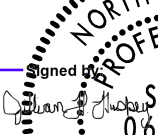
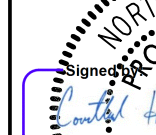
LINE	Station	Station	Location LT/RT/CL	Drain Type* UD/BD/SD	LF
CONTINGENCY				SD	200
				TOTAL LF:	200
*UD = Underdrain					
*BD = Blind Drain					
*SD = Subsurface Drain					

3/12/2025
R:\Projects\2025\Projects\5707\5707_PSH03G-1.dgn
anacoherson

PARCEL NO.	PROPERTY OWNERS NAME	PLAN SHEET NUMBERS		PARCEL NO.	PROPERTY OWNERS NAME	PLAN SHEET NUMBERS
1	HERITAGE OUTPARCELS LLC	4		13	LIMITED PARTNERSHIP CENTRUM HERITAGE	5
2	GLADWELL PROPERTIES LLC	4		14	MILLER WHITMAN INVESTMENTS LLC	5
3	JOSEPHINE T STONE & HUNTER J STONE	4		15	HERITAGE VETS, PLLC	6
4A	TEAM FAMILY PARTNERSHIP LLC	4		16	CAPITAL CREEK APARTMENTS LLC	6
4B	SXCW PROPERTIES LLC	4		17	WAKE COUNTY BOARD OF EDUCATION	6
5	HERITAGE GARDENS LLC	4 & 5		18	FRANKLIN VILLAGE LLC	5 & 6
6	FRANKLIN VILLAGE LLC	4 & 5		19	BABY PROJECT LLC	6
7	H&C HOLDINGS LLC	5		20	HERITAGE WAKE FOREST PARTNER LLC	6
7A	H&C HOLDINGS LLC	5		21	FRANKLIN VILLAGE LLC	6
8	HERITAGE INVESTMENTS LLC	5		22	GAHC3 WAKE FOREST NC ALF LLC	6
9	SCHOFIELD HEALTH SERVICES LLC	5		23	HERITAGE POINTE SHOPPES LLC	6
10	HERITAGE PROFESSIONAL PARK OWNERS ASSOCIATION INC	5 & 6		24	HERITAGE REALTY OF CHAPEL HILL LLC	6
11	TJW INVESTMENTS INC	5		25	FRANKLIN VILLAGE LLC	5
12	ANDREW L AMMONS JEANNETTE F AMMONS	5 & 6		26 & 26Z	HERITAGE WAKE FOREST PARTNER II LLC	6
12A	ANDREW L AMMONS JEANNETTE F AMMONS	5 & 6		10Z	HERITAGE PROFESSIONAL PARK OWNERS ASSOCIATION INC	6
				22Z	GAHC3 WAKE FOREST NC ALF LLC	6

-Y2-	-Y3-
$P/Sta\ 13+41.55$	$P/Sta\ 12+33.00$
$\Delta = 59^\circ 37' 23.0'' (RT)$	$\Delta = 4^\circ 36' 09.2'' (LT)$
$D = 19^\circ 25' 20.3''$	$D = 18^\circ 47' 07.8''$
$L = 306.98'$	$L = 221.46'$
$T = 169.03'$	$T = 115.87'$
$R = 295.00'$	$R = 305.00'$
	$e = NC$
	$Runout = N/A$



PROJECT REFERENCE NO.		SHEET NO.	
P-5707		4	
RW SHEET NO.			
ROADWAY DESIGN ENGINEER 		HYDRAULICS ENGINEER 	
8/21/2026		8/20/2026	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED			

WATCHLINE -L- STA. 13+20 INSET A

MATCHLINE -L- STA. 27+00 SEE SHEET 5

60" VINYL CHAIN LINK FENCE LOCATIONS				
ALN	STATION	STATION	LOC	
-L-	24+50.00	28+30.00	RT	

RETAINING WALL LOCATIONS				
NO.	ALN	STATION	STATION	LOC
5	-L-	24+50.00	28+30.00	RT

SEE SHEETS W-1 THRU W-13 FOR
RETAINING WALL LOCATIONS AND
PROFILE DETAILS.

FOR -L- PROFILE SEE SHT. 7
FOR -Y2- PROFILE SEE SHT. 8
FOR -Y3- PROFILE SEE SHT. 8

FOR DITCH DETAILS SEE SHEET 2D-1.

FOR -L DET- DESIGN SEE SHTS. 2B-1 THRU 2B-2.

 REMOVE/REPLACE SIDEWALK
& CURB RAMPS

8/18/2026
R:\Roadway\Proj\P5707_Rdy-ps04.dgn

RK&K
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Raleigh, North Carolina 27615-3960
NC License No. F-0112

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8/18/2026, P:\Projects\5707_Rdy_psh05.dgn
chrisfranklin

-L-
PI Sta 38+57.47
 $\Delta = 33^{\circ}40'45.2''$ (LT)
D = 5'13'57.0"
L = 643.66'
T = 331.43'
R = 1,095.00'
e = 0.04
Runout = 170.00'

PI Sta 10+69.12
 $\Delta = 3^{\circ}23'54.6''$ (RT)
D = 2'27'32.6"
L = 138.20'
T = 69.12'
R = 2,330.00'
e = RC
Runout = N/A

PI Sta 12+92.20
 $\Delta = 87^{\circ}48'31.1''$ (RT)
D = 35'48'35.5"
L = 245.21'
T = 153.99'
R = 160.00'
e = RC
Runout = 60'

PI Sta 12+62.46
 $\Delta = 89^{\circ}47'56.1''$ (RT)
D = 8'51'04.0"
L = 109.71'
T = 69.75'
R = 70.00'
e = NC
Runout = N/A

PI Sta 11+92.34
 $\Delta = 69^{\circ}12'26.8''$ (LT)
D = 29'22'56.8"
L = 109.71'
T = 134.54'
R = 195.00'
Runout = N/A

PI Sta 13+65.37
 $\Delta = 19^{\circ}24'41.3''$ (RT)
D = 38'11'49.9"
L = 50.82'
T = 25.66'
R = 150.00'

*EL: INSTALL ELBOWS. INSTALL
ROD AND LUG CONNECTORS
WSLEEVE GASKETS ON CSP PIPE
PER STANDARD SPECIFICATIONS.

60" VINYL CHAIN LINK FENCE LOCATIONS			
ALN	STATION	STATION	LOC
-L-	30+45.71	38+00.00	LT
-L-	31+02.10	40+60.00	RT
-L-	24+50.00	28+30.00	RT

NOTE: BEGIN -Y5- CONSTRUCTION AT
THE SOUTHERN RADIUS OF BOULDER
POINT DRIVE, APPROXIMATELY 340'
SOUTH OF BEGIN GRADE.

BEGIN GRADE
-Y5- Sta. 11+00.00
-Y5- PC Sta. 10+00.00

PROJECT REFERENCE NO.
P-5707

SHEET NO.
5

RW SHEET NO.

ROADWAY DESIGN
ENGINEER

HYDRAULICS
ENGINEER





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FOR -L- DET- DESIGN SEE SHTS. 2B-1 THRU 2B-2.
SEE SHEET 2B-3 FOR INTERSECTION DETAIL FOR
-Y5- & -DRY5- INCLUDING LABELING, DIMENSIONS,
SUPERELEVATION TRANSITIONS, & CURB RAMPS.

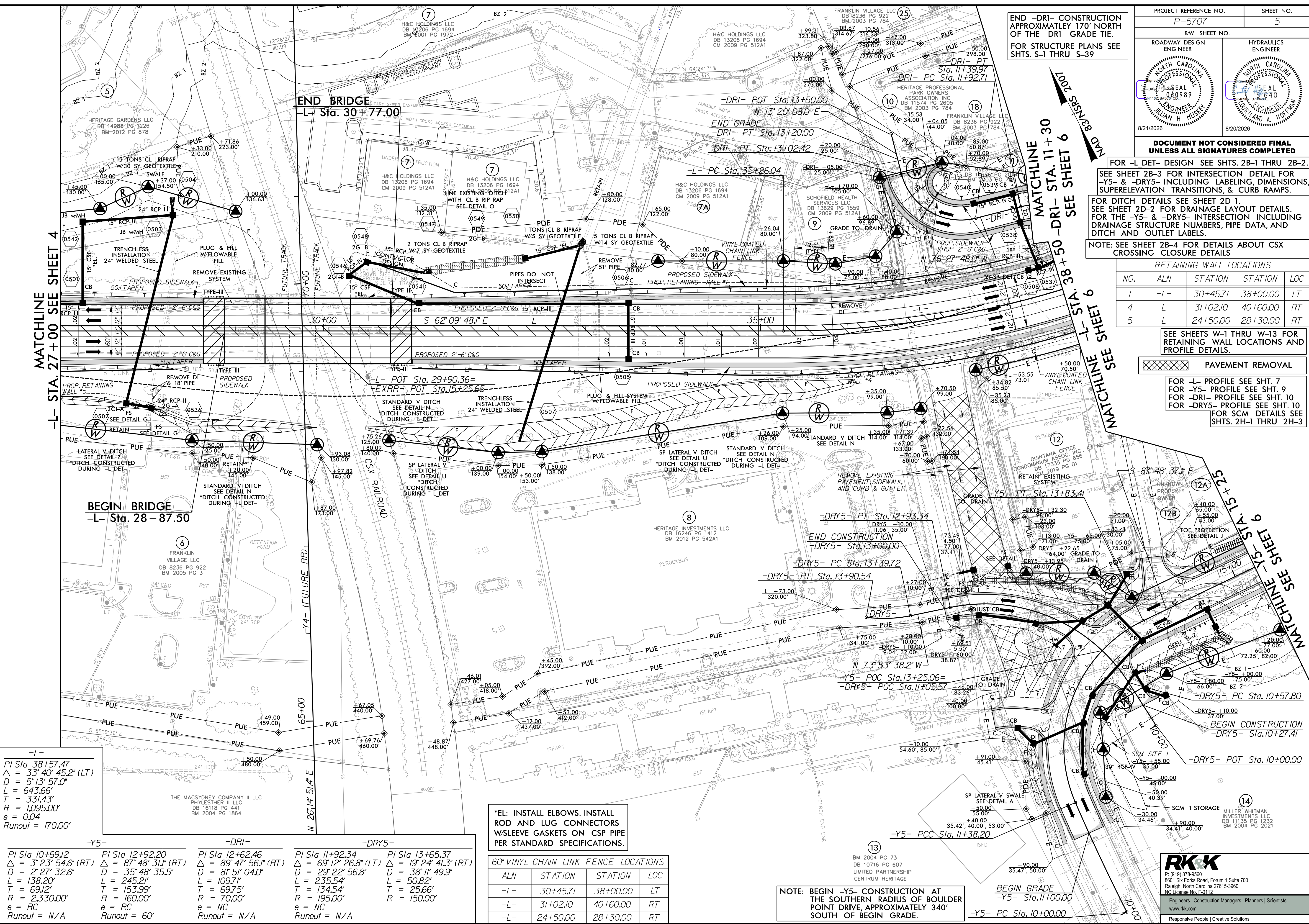
FOR DITCH DETAILS SEE SHEET 2D-1.
SEE SHEET 2D-2 FOR DRAINAGE LAYOUT DETAILS.
FOR THE -Y5- & -DRY5- INTERSECTION INCLUDING
DRAINAGE STRUCTURE NUMBERS, PIPE DATA, AND
DITCH AND OUTLET LABELS.

NOTE: SEE SHEET 2B-4 FOR DETAILS ABOUT CSX
CROSSING CLOSURE DETAILS

RETAINING WALL LOCATIONS				
NO.	ALN	STATION	STATION	LOC
1	-L-	30+45.71	38+00.00	LT
4	-L-	31+02.10	40+60.00	RT
5	-L-	24+50.00	28+30.00	RT

SEE SHEETS W-1 THRU W-13 FOR
RETAINING WALL LOCATIONS AND
PROFILE DETAILS.

 PAVEMENT REMOVAL
FOR -L- PROFILE SEE SHT. 7
FOR -Y5- PROFILE SEE SHT. 9
FOR -DR1- PROFILE SEE SHT. 10
FOR -DRY5- PROFILE SEE SHT. 10
FOR SCM DETAILS SEE
SHTS. 2H-1 THRU 2H-3




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★ PROPOSED SIGNAL

-L-

PI Sta 38+57.47
Δ = 33° 40' 45.2" (LT)
D = 5' 13' 57.0"
L = 643.66'
T = 331.43'
R = 1,095.00'
e = 0.04
Runout = 170.00'

-Y5-

PI Sta 18+37.46
Δ = 58° 35' 30.2" (LT)
D = 22' 55' 05.9"
L = 255.65'
T = 140.27'
R = 250.00'
e = NC
Runout = N/A

-Y5-

PI Sta 21+69.99
Δ = 58° 12' 56.9" (RT)
D = 14' 41' 28.4"
L = 396.26'
T = 217.14'
R = 390.00'
e = NC
Runout = N/A

-Y5-

PI Sta 27+04.27
Δ = 99° 14' 26.6" (LT)
D = 57' 17' 44.8"
L = 173.21'
T = 117.58'
R = 100.00'
e = NC
Runout = N/A

-DRI-

PI Sta 11+00.30
Δ = 84° 43' 57.6" (LT)
D = 81' 51' 04.0"
L = 103.52'
T = 63.84'
R = 70.00'
e = NC
Runout = N/A

-DRY5A-

PI Sta 10+41.74
Δ = 23° 34' 37.2" (LT)
D = 28' 38' 52.4"
L = 82.30'
T = 41.74'
R = 200.00'
e = NC
Runout = N/A

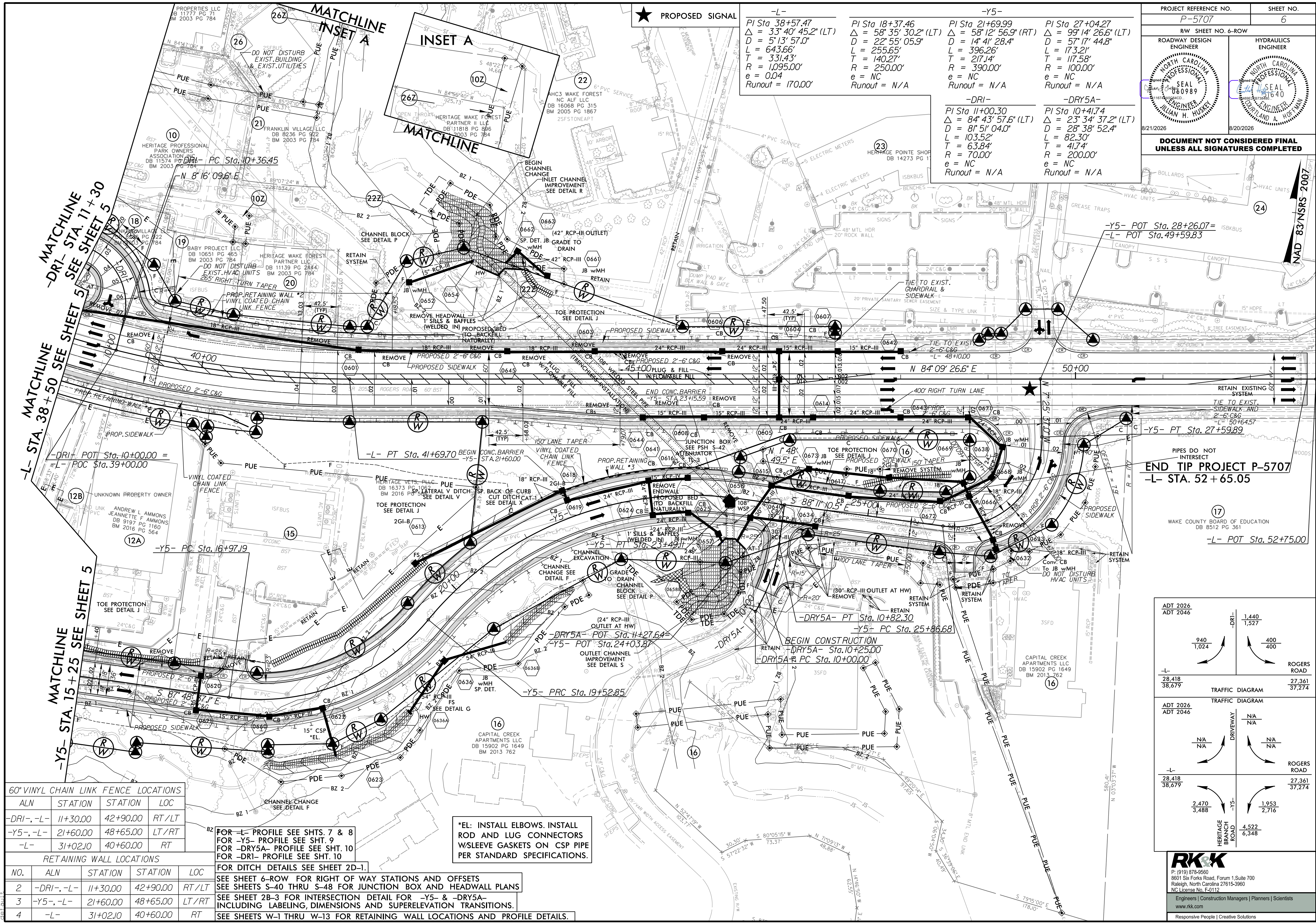
PROJECT REFERENCE NO.
P-5707

SHEET NO.
6

ROADWAY DESIGN ENGINEER
HERITAGE PROFESSIONAL ASSOCIATION, INC.
NORTH CAROLINA PROFESSIONAL SEAL 060989
JULIAN H. HUSKY
8/21/2026

HYDRAULICS ENGINEER
HERITAGE PROFESSIONAL ASSOCIATION, INC.
NORTH CAROLINA PROFESSIONAL SEAL 06040
JULIAN A. HORN
8/20/2026

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60" VINYL CHAIN LINK FENCE LOCATIONS				
ALN	STATION	STATION	LOC	
-DRI-, -L-	11+30.00	42+90.00	RT/LT	
-Y5-, -L-	21+60.00	48+65.00	LT/RT	
-L-	31+02.10	40+60.00	RT	
RETAINING WALL LOCATIONS				
NO.	ALN	STATION	STATION	LOC
2	-DRI-, -L-	11+30.00	42+90.00	RT/LT
3	-Y5-, -L-	21+60.00	48+65.00	LT/RT
4	-L-	31+02.10	40+60.00	RT

FOR -L- PROFILE SEE SHTS. 7 & 8
FOR -Y5- PROFILE SEE SHT. 9
FOR -DRY5A- PROFILE SEE SHT. 10
FOR -DRI- PROFILE SEE SHT. 10
FOR DITCH DETAILS SEE SHEET 2D-1.
SEE SHEET 6-ROW FOR RIGHT OF WAY STATIONS AND OFFSETS
SEE SHEETS S-40 THRU S-48 FOR JUNCTION BOX AND HEADWALL PLANS
SEE SHEET 2B-3 FOR INTERSECTION DETAIL FOR -Y5- & -DRY5A-
INCLUDING LABELING, DIMENSIONS AND SUPERELEVATION TRANSITIONS.
SEE SHEETS W-1 THRU W-13 FOR RETAINING WALL LOCATIONS AND PROFILE DETAILS.

*EL: INSTALL ELBOWS. INSTALL ROD AND LUG CONNECTORS W/SLEEVE GASKETS ON CSP PIPE PER STANDARD SPECIFICATIONS.

ADT 2026
ADT 2046

940
1,024

400
400

ROGERS ROAD

28,418
38,679

27,361
37,274

ADT 2026
ADT 2046

N/A
N/A

N/A
N/A

ROGERS ROAD

28,418
38,679

27,361
37,274

ADT 2026
ADT 2046

2,470
3,488

1,953
2,716

HERITAGE BRANCH ROAD

4,522
6,348

ADT 2026
ADT 2046

1,440
1,527

400
400

ROGERS ROAD

28,418
38,679

27,361
37,274

ADT 2026
ADT 2046

N/A
N/A

N/A
N/A

ROGERS ROAD

28,418
38,679

27,361
37,274

ADT 2026
ADT 2046

2,470
3,488

1,953
2,716

HERITAGE BRANCH ROAD

4,522
6,348

ADT 2026
ADT 2046

1,440
1,527

400
400

ROGERS ROAD

28,418
38,679

27,361
37,274

ADT 2026
ADT 2046

N/A
N/A

N/A
N/A

ROGERS ROAD

28,418
38,679

27,361
37,274

ADT 2026
ADT 2046

2,470
3,488

1,953
2,716

HERITAGE BRANCH ROAD

4,522
6,348

ADT 2026
ADT 2046

1,440
1,527

400
400

ROGERS ROAD

28,418
38,679

27,361
37,274

ADT 2026
ADT 2046

N/A
N/A

N/A
N/A

ROGERS ROAD

28,418
38,679

27,361
37,274

ADT 2026
ADT 2046

2,470
3,488

1,953
2,716

HERITAGE BRANCH ROAD

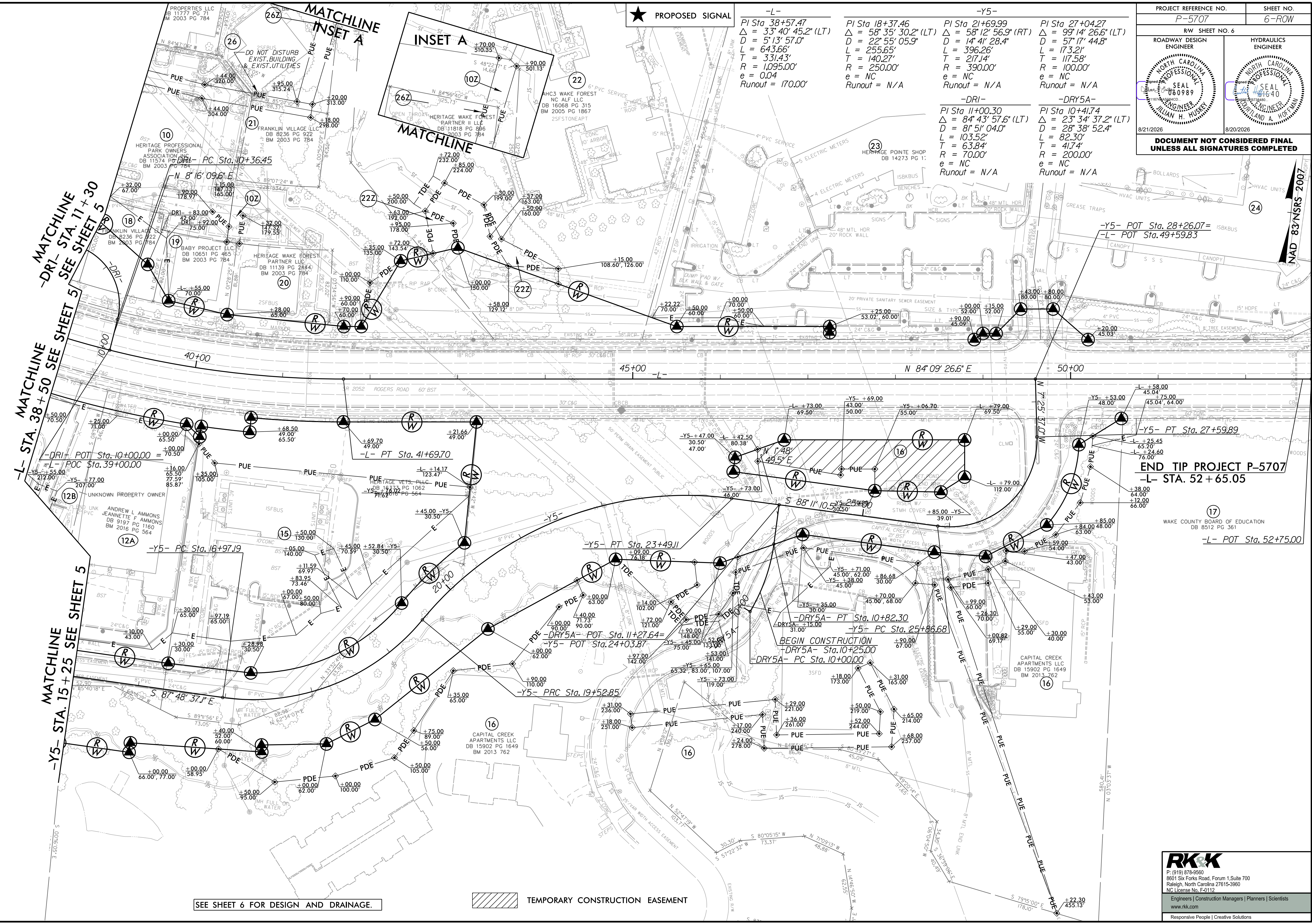
4,522
6,348

RK&K

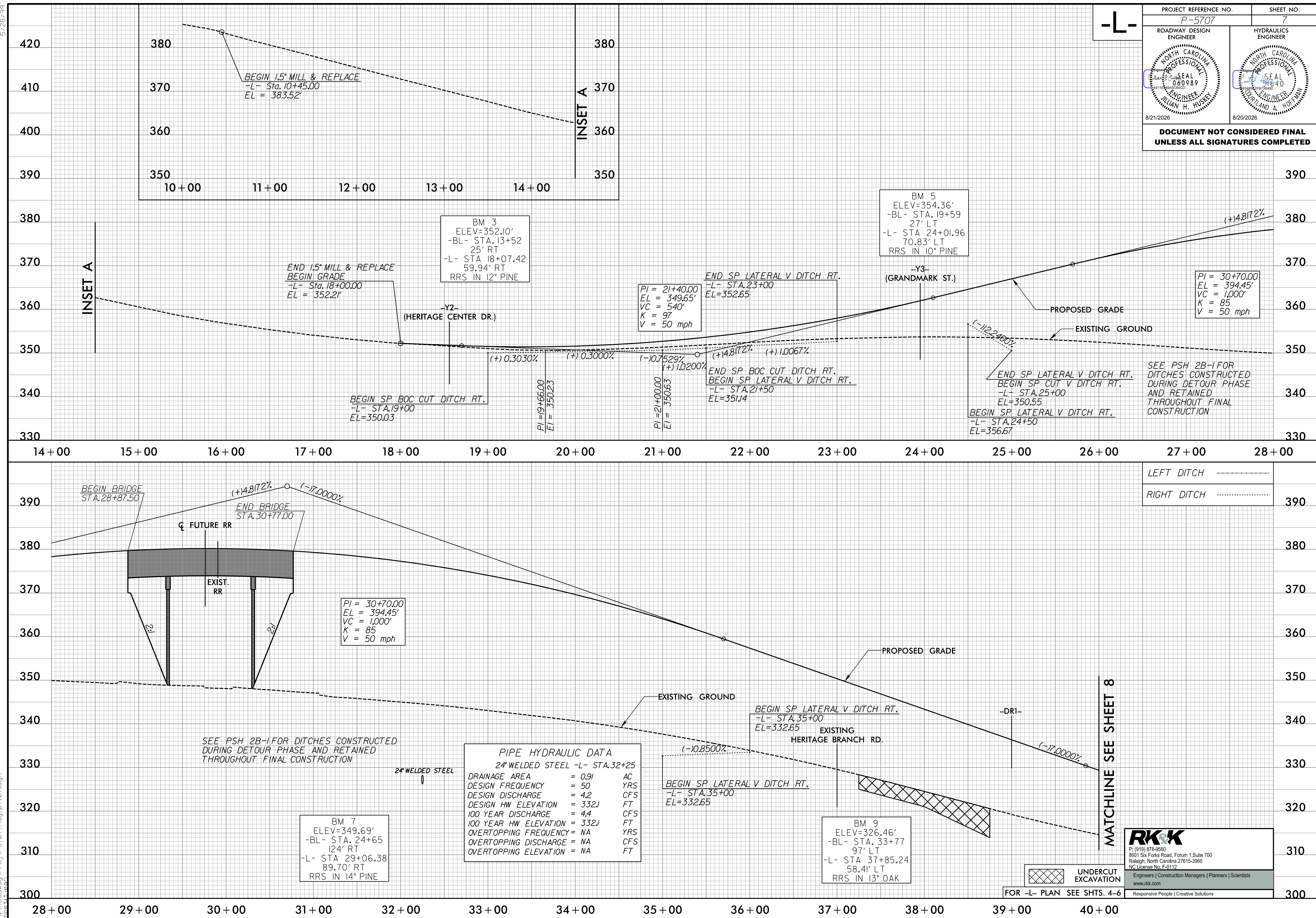
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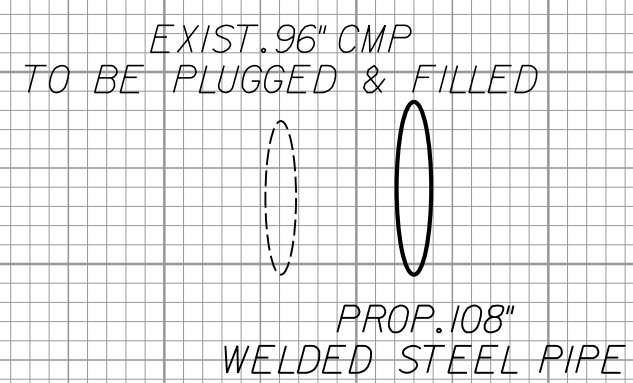
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PROJECT REFERENCE NO.		SHEET NO.	
P-5707		6-ROW	
RW SHEET NO. 6			
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER		
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-Y5-

PROJECT REFERENCE NO.
P-5707

SHEET NO.
9

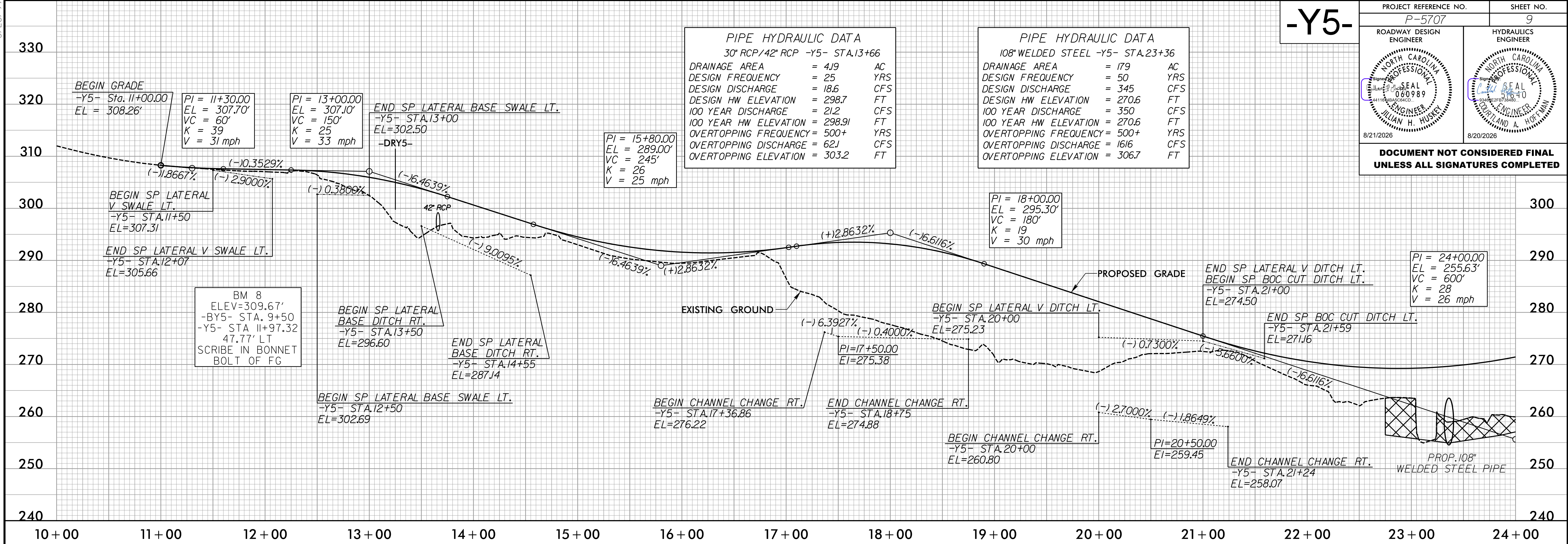
ROADWAY DESIGN ENGINEER

HYDRAULICS ENGINEER

WILLIAM H. HUSKEY
8/21/2026

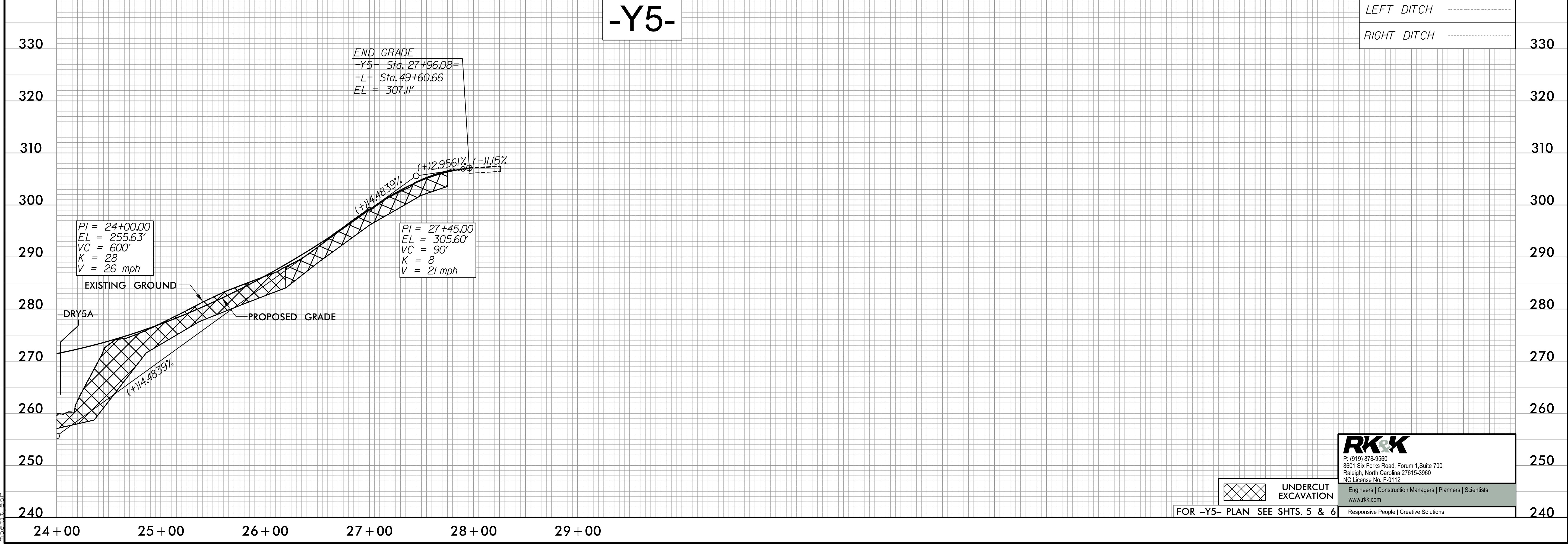
NORLAND A. HOFFMANN
8/20/2026

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-Y5-

LEFT DITCH	330
RIGHT DITCH	330



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