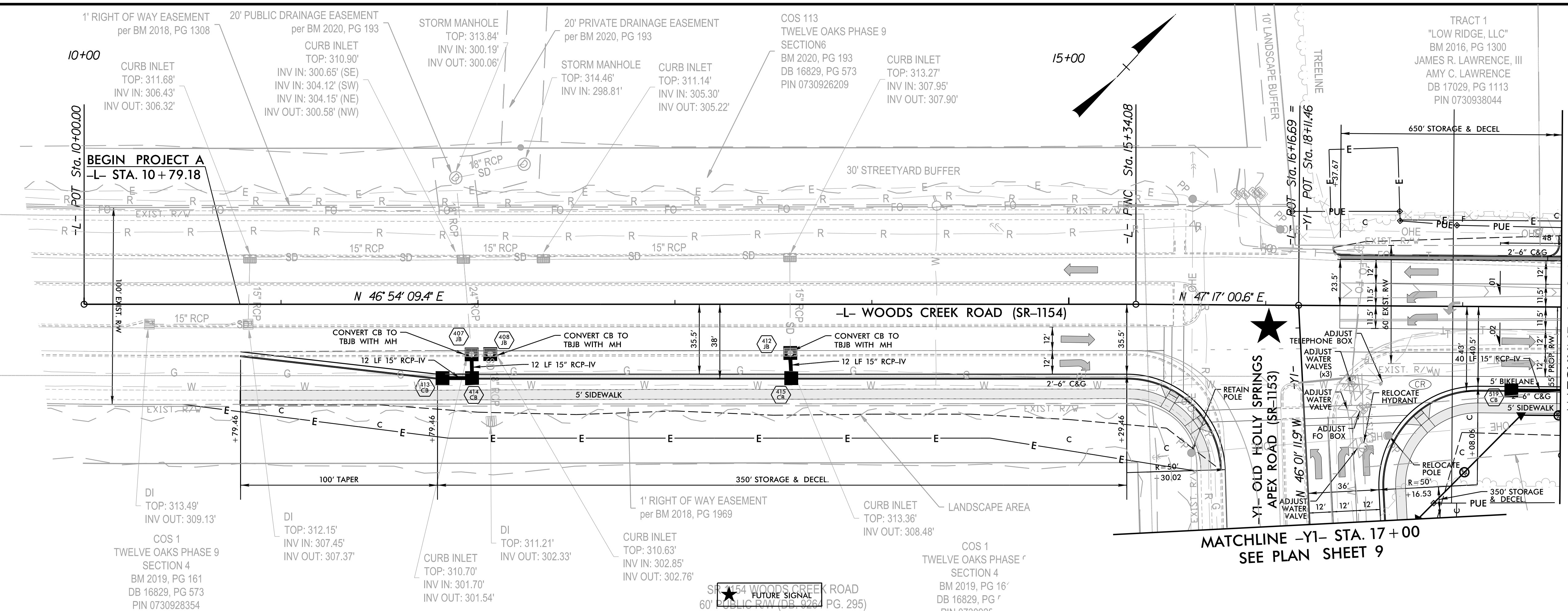


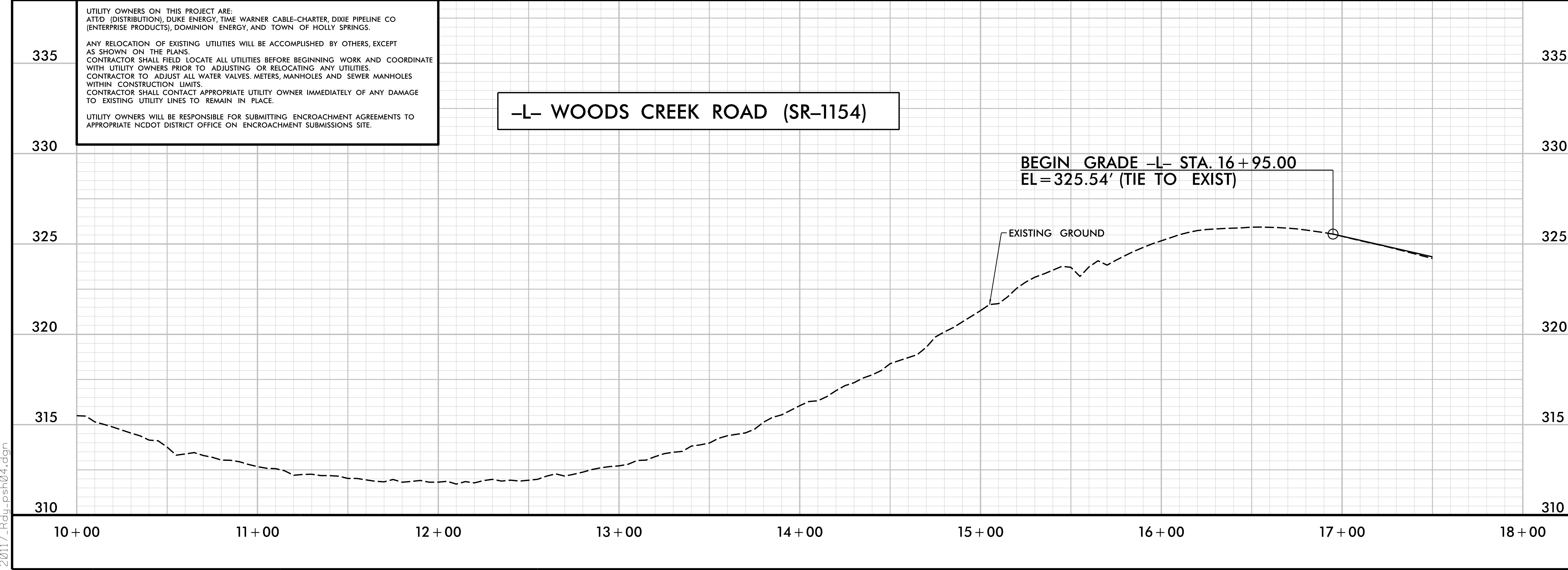


UTILITY OWNERS ON THIS PROJECT ARE:
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-L- WOODS CREEK ROAD (SR-1154)



SHEET NO.
4

TOWN OF HOLLY SPRINGS
CAROLINA SPRINGS
OFFSITE IMPROVEMENTS
PLAN SHEET

ROADWAY DESIGN
ENGINEER

SEAL
17306
ENGINEER
CLAUDE M. K. ROUSE

HYDRAULICS ENGINEER

SEAL
43342
ENGINEER
MICHAEL D. BYNAL

REVISIONS

NO.	DESCRIPTION	DATE

SCALES

H-SCALE - 1"=30'

V-SCALE - 1"=10'

DATE: 08/05/2020

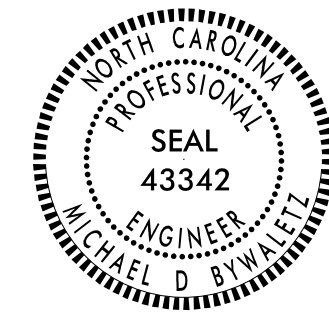
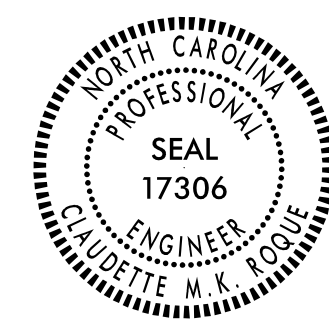
DESIGNED BY: MPD, KMP

CHECKED BY: CMKR

RAMEY KEMP ASSOCIATES
5808 Faringdon Place
Raleigh, North Carolina 27609
Phone: 919-872-5115
NC License No. C-0910
www.rameykemp.com

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SIGNATURES COMPLETED

8/31/2020
9:51:14
20117_Rd-PSN04.dgn



REVISIONS

SCALES

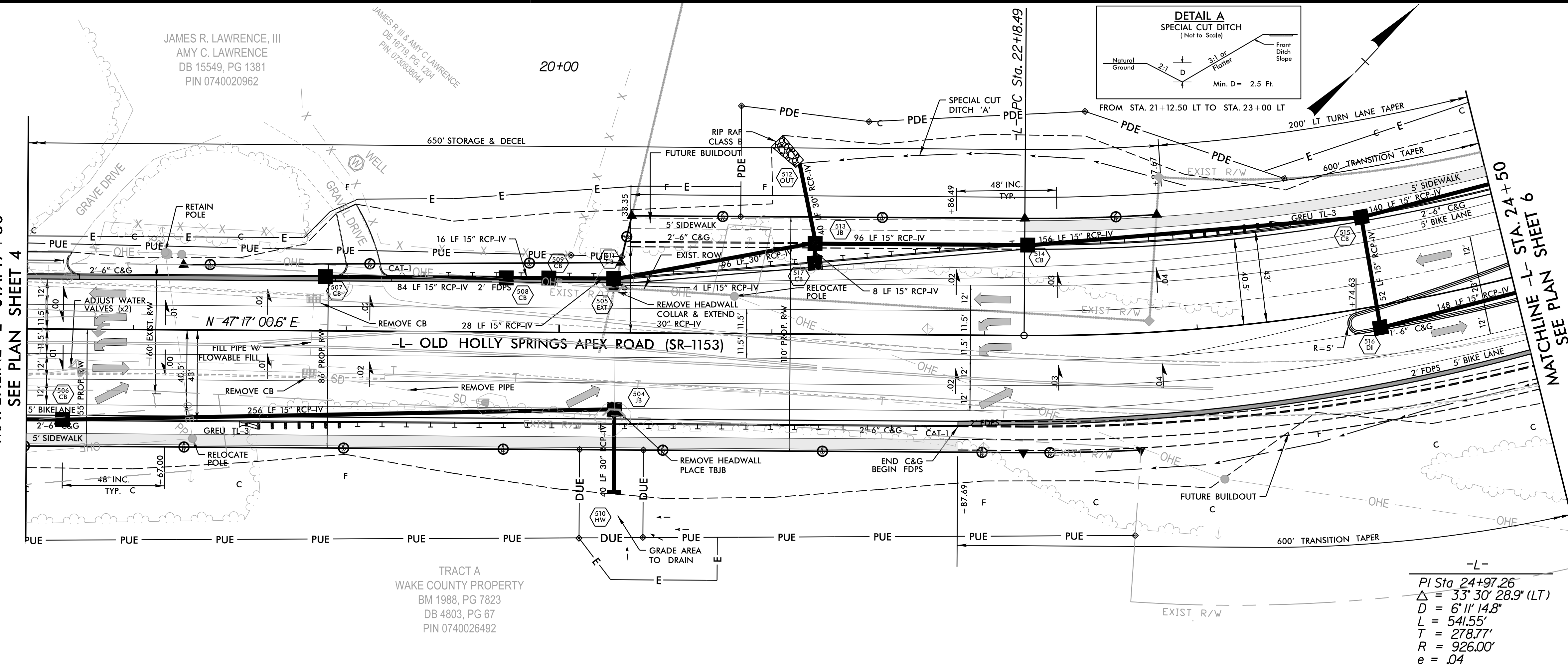
H-SCALE - 1"=30'

V-SCALE - 1"=10'

DATE: 08/05/2020

DESIGNED BY: MPD, KMP

CHECKED BY: CMKR

5808 Faringdon Place
Raleigh, North Carolina 27609
Phone: 919-872-5115NC License No. C-0810
www.rameykemp.comMATCHLINE -L- STA. 17 + 50
SEE PLAN SHEET 4

UTILITY OWNERS ON THIS PROJECT ARE:
AT&T (DISTRIBUTION), DUKE ENERGY, TIME WARNER CABLE-CHARTER, DIXIE PIPELINE CO
(ENTERPRISE PRODUCTS), DOMINION ENERGY, AND TOWN OF HOLLY SPRINGS.

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-L- OLD HOLLY SPRINGS ROAD (SR-1153)

-L- PC STA. 18 + 07.50
EL = 322.97'

PI = 20 + 25.00
EL = 318.00'
VC = 435'
K = 82
DS = 45 MPH

BEGIN DITCH 'A' LT
-L- STA 21 + 12.50
EL 308.00

END DITCH 'A' LT
-L- STA 23 + 00.00
EL 321.13
-L- PT STA. 22 + 42.50
EL = 324.60'

330

325

320

315

310

305

17 + 00

18 + 00

19 + 00

20 + 00

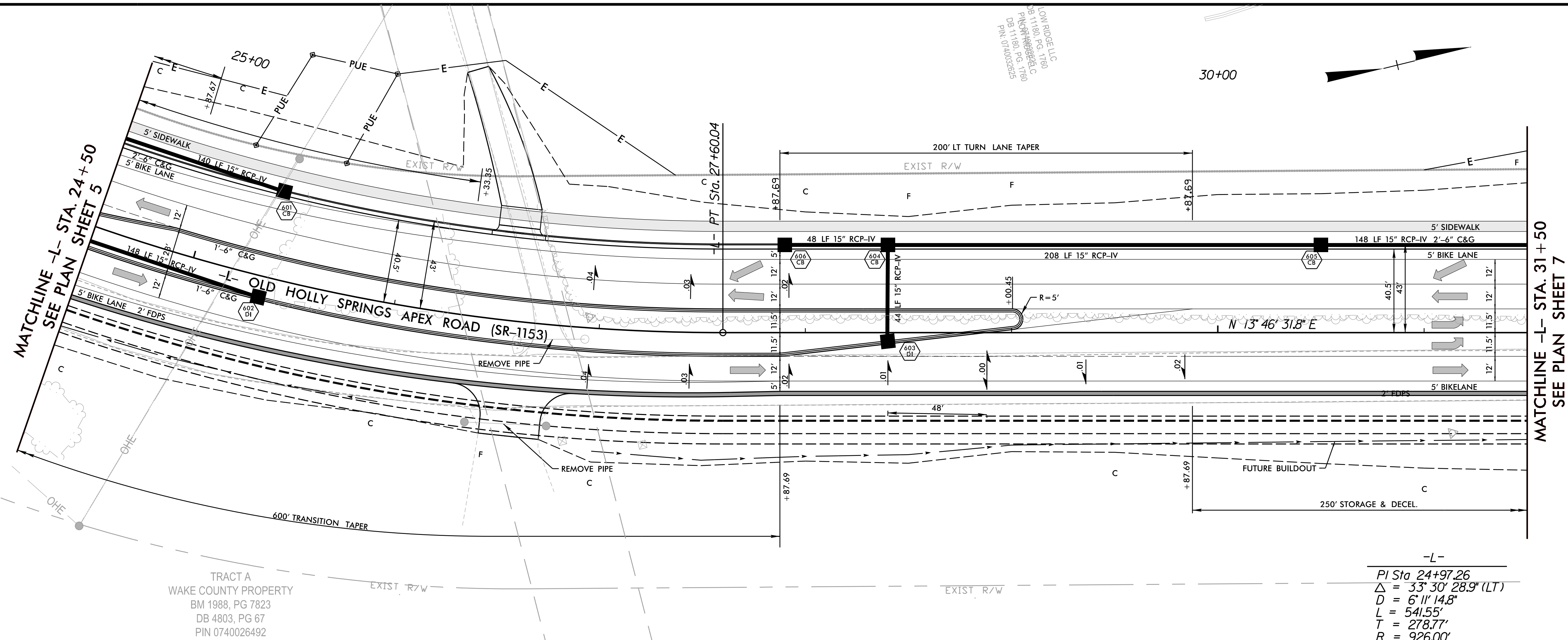
21 + 00

22 + 00

23 + 00

24 + 00

25 + 00



-L-
PI Sta 24+97.26
 $\Delta = 33^{\circ} 30' 28.9''$ (LT)
 $D = 6^{\circ} 11' 14.8''$
 $L = 541.55'$
 $T = 278.77'$
 $R = 926.00'$
 $e = .04$

TRACT A
WAKE COUNTY PROPERTY
BM 1988, PG 7823
DB 4803, PG 67
PIN 0740026492

-L- OLD HOLLY SPRINGS ROAD (SR-1153)

UTILITY OWNERS ON THIS PROJECT ARE:
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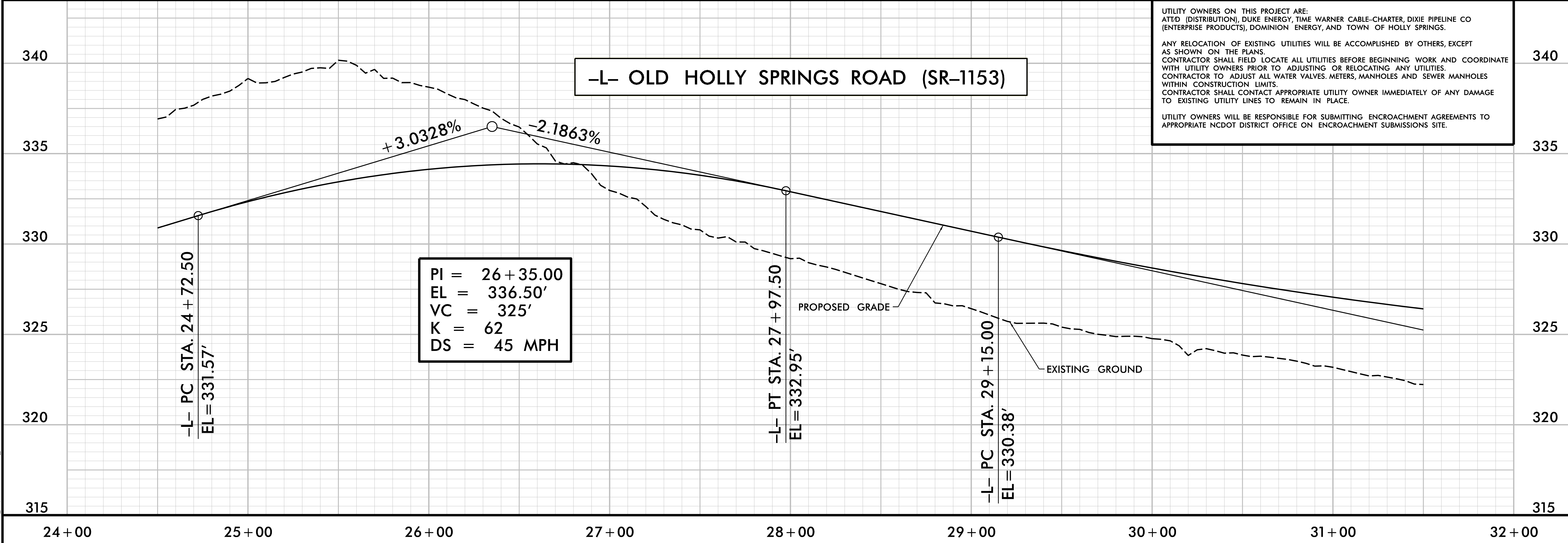
UTILITY OWNERS WILL BE RESPONSIBLE FOR SUBMITTING ENCROACHMENT AGREEMENTS TO APPROPRIATE NCDOT DISTRICT OFFICE ON ENCROACHMENT SUBMISSIONS SITE.

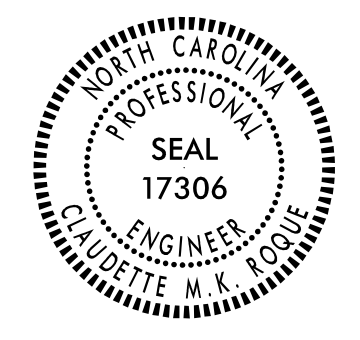
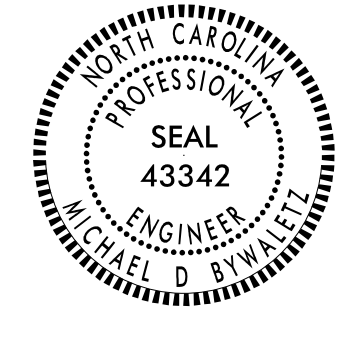
PI = 26+35.00
EL = 336.50'
VC = 325'
K = 62
DS = 45 MPH

-L- PC STA. 24+72.50
EL = 331.57'

-L- PT STA. 27+97.50
EL = 332.95'

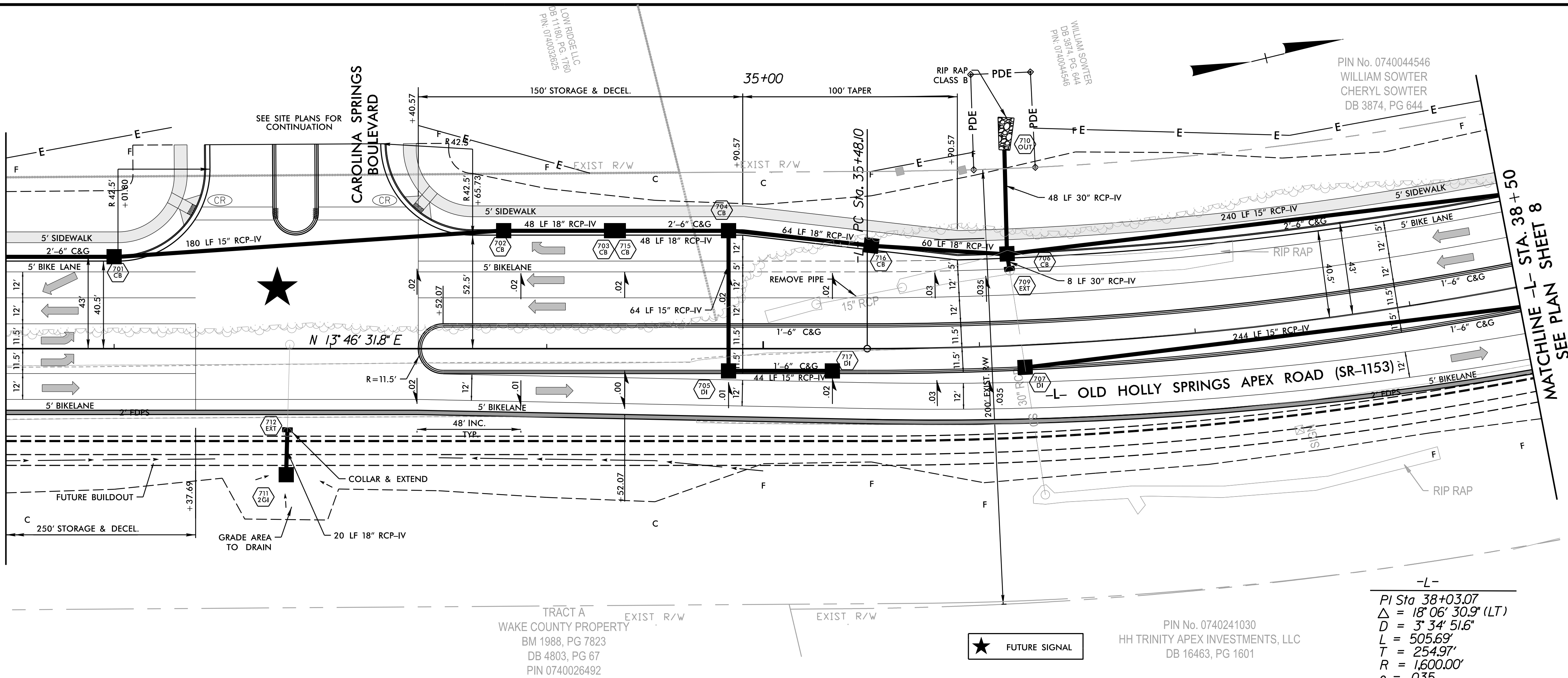
-L- PC STA. 29+15.00
EL = 330.38'



SHEET NO. 6	
TOWN OF HOLLY SPRINGS CAROLINA SPRINGS OFFSITE IMPROVEMENTS PLAN SHEET	
ROADWAY DESIGN ENGINEER 	
HYDRAULICS ENGINEER 	
REVISIONS	DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED
SCALES H-SCALE - 1"=30' V-SCALE - 1"=10'	
DATE: 08/05/2020	
DESIGNED BY: MPD, KMP	
CHECKED BY: CMKR	
 5808 Faringdon Place Raleigh, North Carolina 27609 Phone: 919-872-5115 NC License No. C-0810 www.rameykemp.com	

8/31/2020
9:51:14
20117_Road.psn06.dgn

MATCHLINE -L- STA. 31 + 50
SEE PLAN SHEET 6



-L-
PI Sta 38+03.07
 $\Delta = 18' 06'' 30.9''$ (LT)
 $D = 3' 34'' 51.6''$
 $L = 505.69'$
 $T = 254.97'$
 $R = 1,600.00'$
 $e = .035$

UTILITY OWNERS ON THIS PROJECT ARE:
AT&T (DISTRIBUTION), DUKE ENERGY, TIME WARNER CABLE-CHARTER, DIXIE PIPELINE CO
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APPROPRIATE NCDOT DISTRICT OFFICE ON ENCROACHMENT SUBMISSIONS SITE.

-L- OLD HOLLY SPRINGS ROAD (SR-1153)

PI = 37 + 90.00
EL = 327.16'
VC = 250'
K = 96
DS = 50 MPH

PI = 32 + 90.00
EL = 322.18'
VC = 750'
K = 236
DS = 80 MPH

-L- PTPC STA. 36 + 65.00
EL = 325.92'

SHEET NO.
7

TOWN OF HOLLY SPRINGS
CAROLINA SPRINGS
OFFSITE IMPROVEMENTS
PLAN SHEET

ROADWAY DESIGN
ENGINEER

CLAUDE M. K. ROUSE

HYDRAULICS ENGINEER

MICHAEL D. BYNAL

REVISIONS

NO.	DESCRIPTION

SCALES

H-SCALE - 1"=30'

V-SCALE - 1"=10'

DATE: 08/05/2020

DESIGNED BY: MPD, KMP

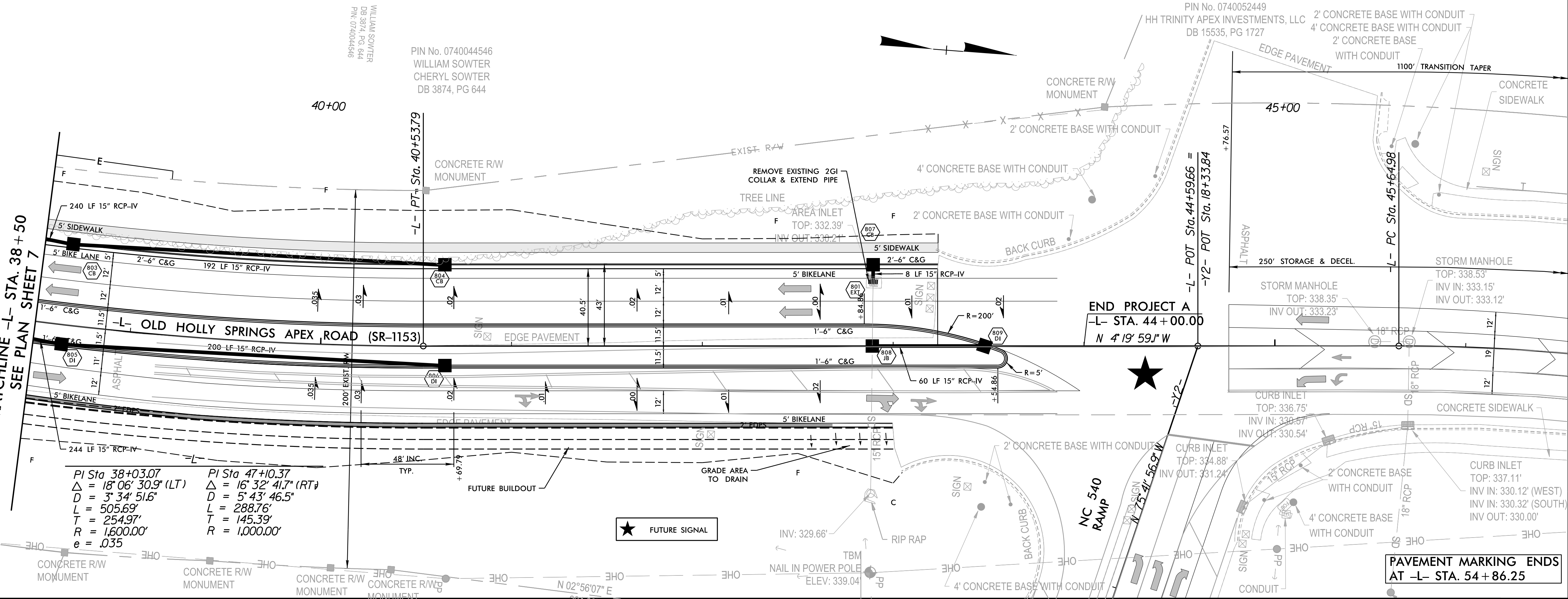
CHECKED BY: CMKR

RAMEY KEMP ASSOCIATES
5808 Faringdon Place
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Phone: 919-872-5115
NC License No. C-08910
www.rameykemp.com

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL
SIGNATURES COMPLETED

8/31/2020
9:51:13
20117_Road.psn07.dgn

MATCHLINE -L- STA. 38 + 50
SEE PLAN SHEET 7



PI Sta 38+03.07
Δ = 18° 06' 30.9" (LT)
D = 3' 34' 51.6"
L = 505.69'
T = 254.97'
R = 1,600.00'
e = .035

PI Sta 47+10.37
Δ = 16° 32' 41.7" (RT)
D = 5' 43' 46.5"
L = 288.76'
T = 145.39'
R = 1,000.00'

★ FUTURE SIGNAL

END PROJECT A
-L- STA. 44 + 00.00
N 4° 19' 59.1" W

PAVEMENT MARKING ENDS
AT -L- STA. 54 + 86.25

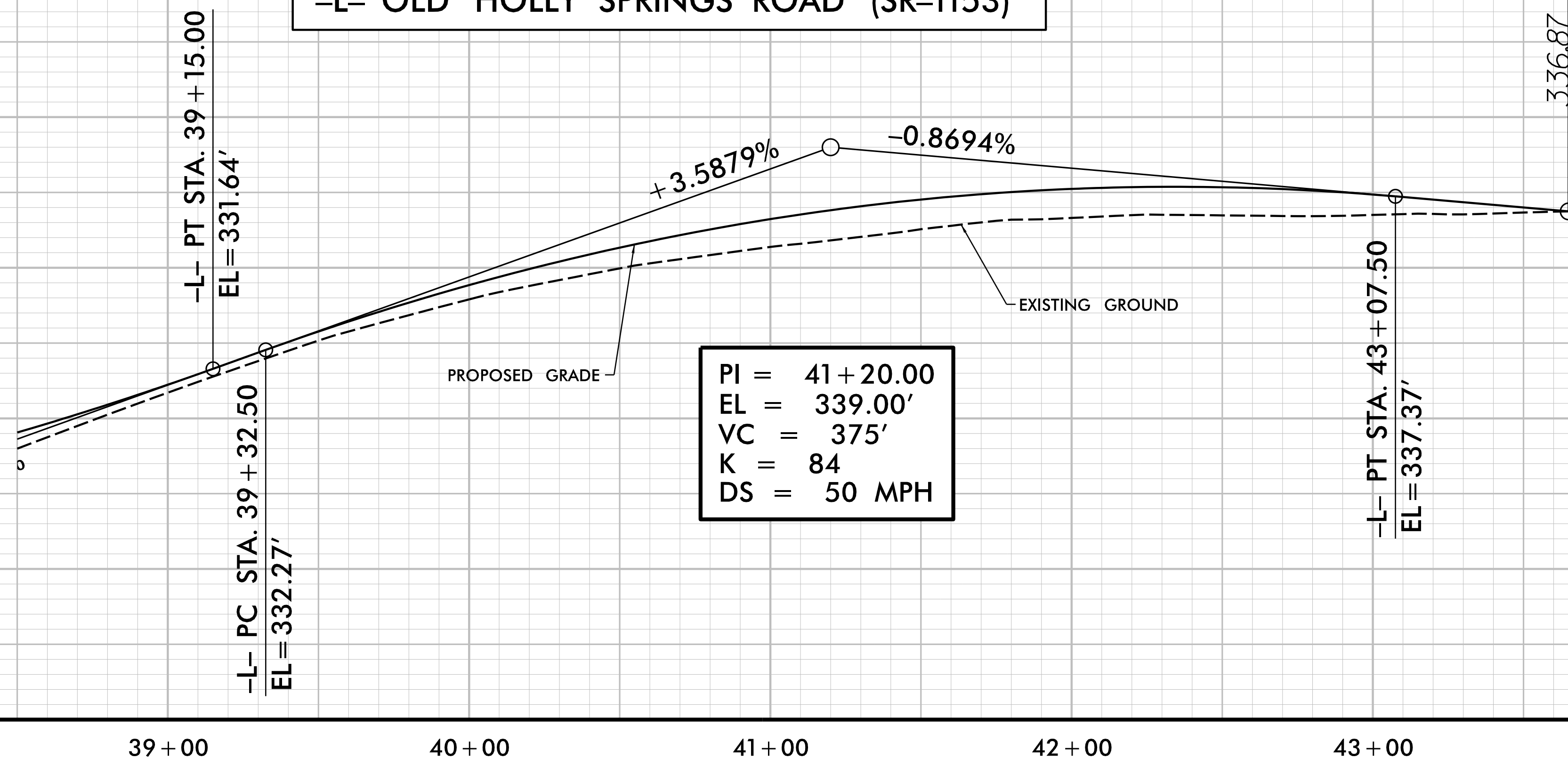
END GRADE -L- STA. 43 + 65.00
EL = 336.87' (TIE TO EXIST)

-L- OLD HOLLY SPRINGS ROAD (SR-1153)

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SHEET NO. 8	
TOWN OF HOLLY SPRINGS CAROLINA SPRINGS OFFSITE IMPROVEMENTS PLAN SHEET	
ROADWAY DESIGN ENGINEER NORTH CAROLINA PROFESSIONAL SEAL 17306 CLAUDETTE M. K. ROUSE	
HYDRAULICS ENGINEER NORTH CAROLINA PROFESSIONAL SEAL 43342 MICHAEL D. BYWALTE	
REVISIONS	DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED
SCALES H-SCALE - 1"=30' V-SCALE - 1"=10'	
DATE: 08/05/2020 DESIGNED BY: MPD, KMP CHECKED BY: CMKR	
RKA RAMEY KEMP ASSOCIATES 5808 Faringdon Place Raleigh, North Carolina 27609 Phone: 919-872-5115 NC License No. C-0910 www.rameykemp.com	

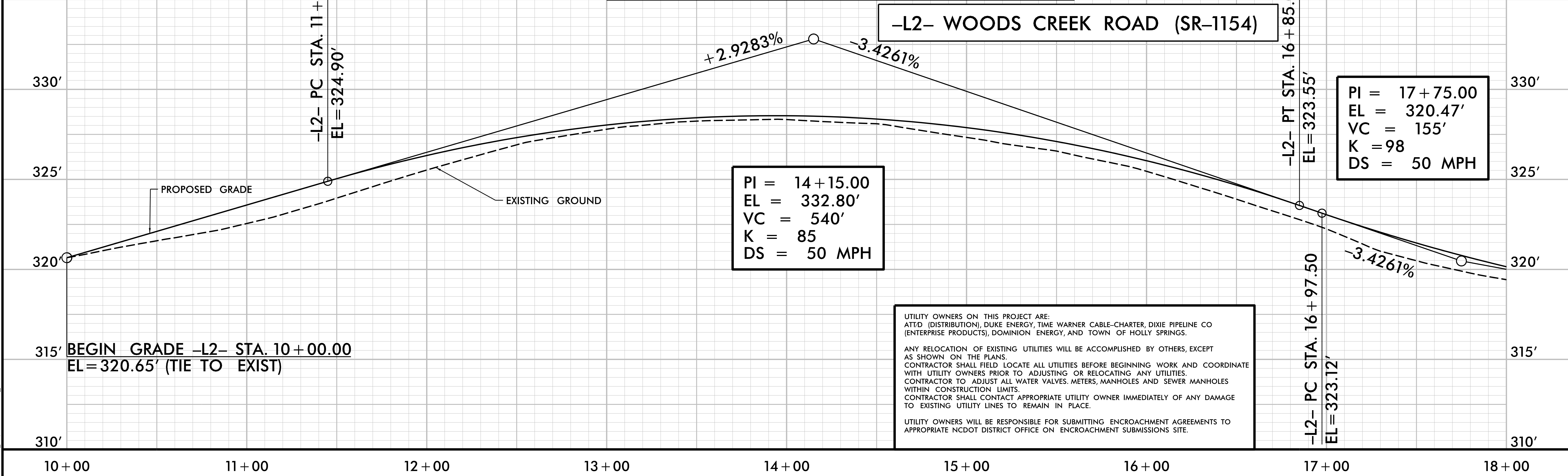
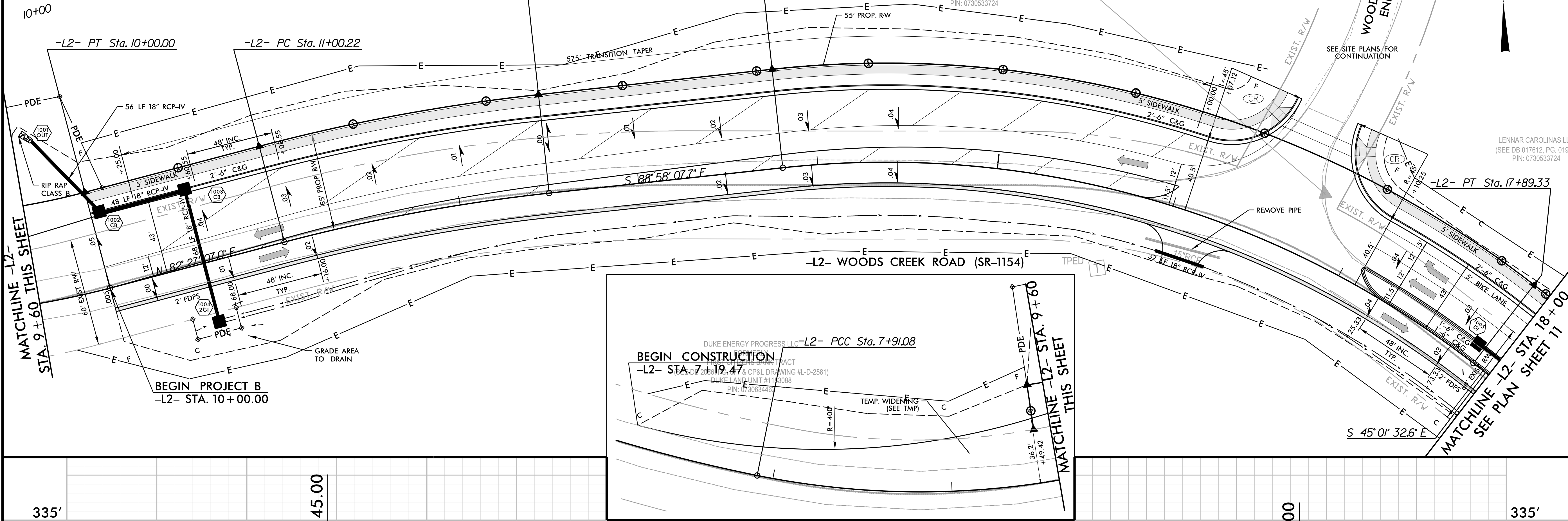
8/31/2020
9:51:14
20117_Road.psn08.dgn

PI Sta 6+91.13
 $\Delta = 12' 46" 46.3" (LT)$
 $D = 6' 21' 58.3"$
 $L = 200.74'$
 $T = 100.79'$
 $R = 900.00'$

PI Sta 8+97.40
 $\Delta = 26' 12' 16.6" (LT)$
 $D = 12' 32' 34.3"$
 $L = 208.92'$
 $T = 106.32'$
 $R = 456.80'$

PI Sta 11+75.23
 $\Delta = 8' 34' 45.4" (RT)$
 $D = 5' 43' 46.5"$
 $L = 149.74'$
 $T = 75.01'$
 $R = 1,000.00'$
 $e = TRANSITION TO EXIST.$

PI Sta 15+95.59
 $\Delta = 43' 56' 35.1" (RT)$
 $D = 10' 44' 58.8"$
 $L = 408.79'$
 $T = 215.04'$
 $R = 533.00'$
 $e = .04$



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SHEET NO.
10

TOWN OF HOLLY SPRINGS
CAROLINA SPRINGS
OFFSITE IMPROVEMENTS
PLAN SHEET

ROADWAY DESIGN
ENGINEER
NORTH CAROLINA
PROFESSIONAL
SEAL
17306
ENGINEER
CLAUDETTE M.Y. ROQUE

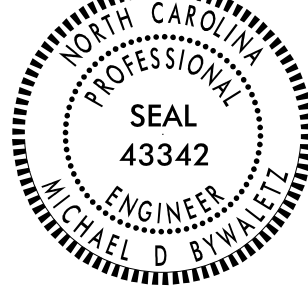
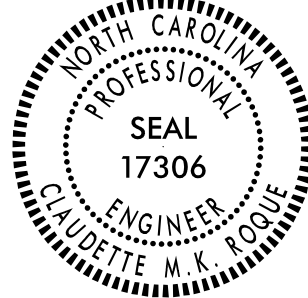
HYDRAULICS ENGINEER
NORTH CAROLINA
PROFESSIONAL
SEAL
43342
ENGINEER
MICHAEL D. BYWALTE

REVISIONS

SCALES
H-SCALE - 1"=30'
V-SCALE - 1"=10'
DATE: 08/05/2020
DESIGNED BY: MPD, KMP
CHECKED BY: CMKR

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL
SIGNATURES COMPLETED

RKA
RAMEY KEMP ASSOCIATES
5808 Faringdon Place
Raleigh, North Carolina 27609
Phone: 919-872-5115
NC License No. C-0910
www.rameykemp.com



REVISIONS

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SCALES

H-SCALE - 1"=30'

V-SCALE - 1"=10'

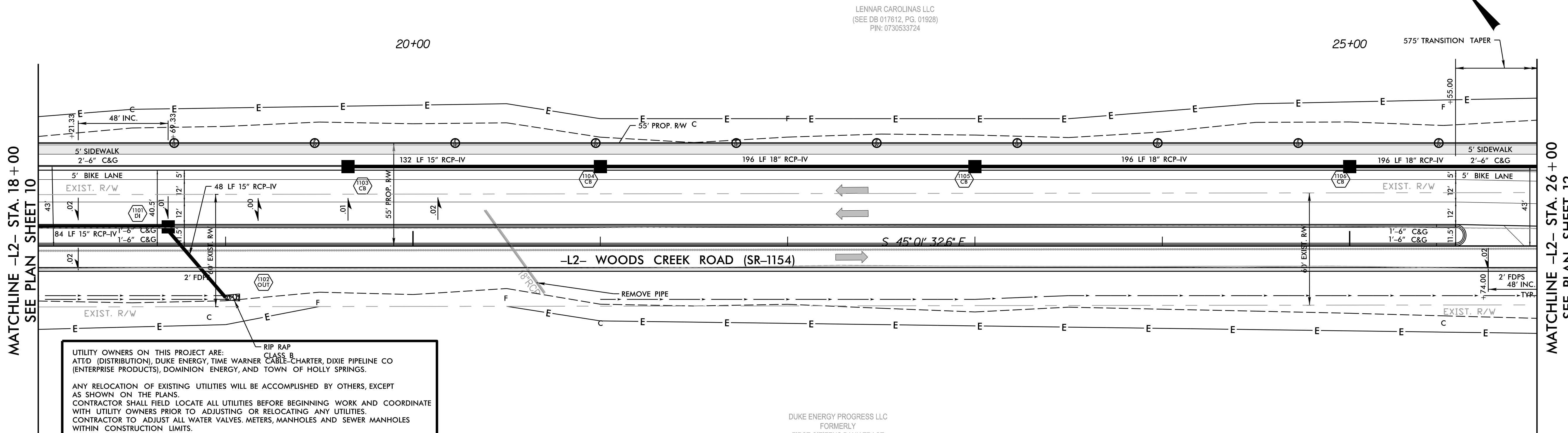
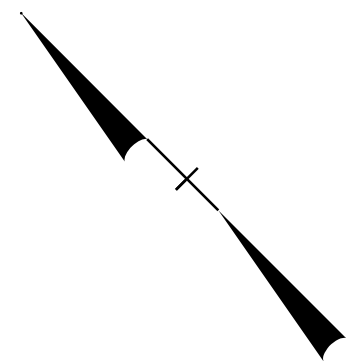
DATE: 08/05/2020

DESIGNED BY: MPD, KMP

CHECKED BY: CMKR



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Phone: 919-872-5115
NC License No. C-0810
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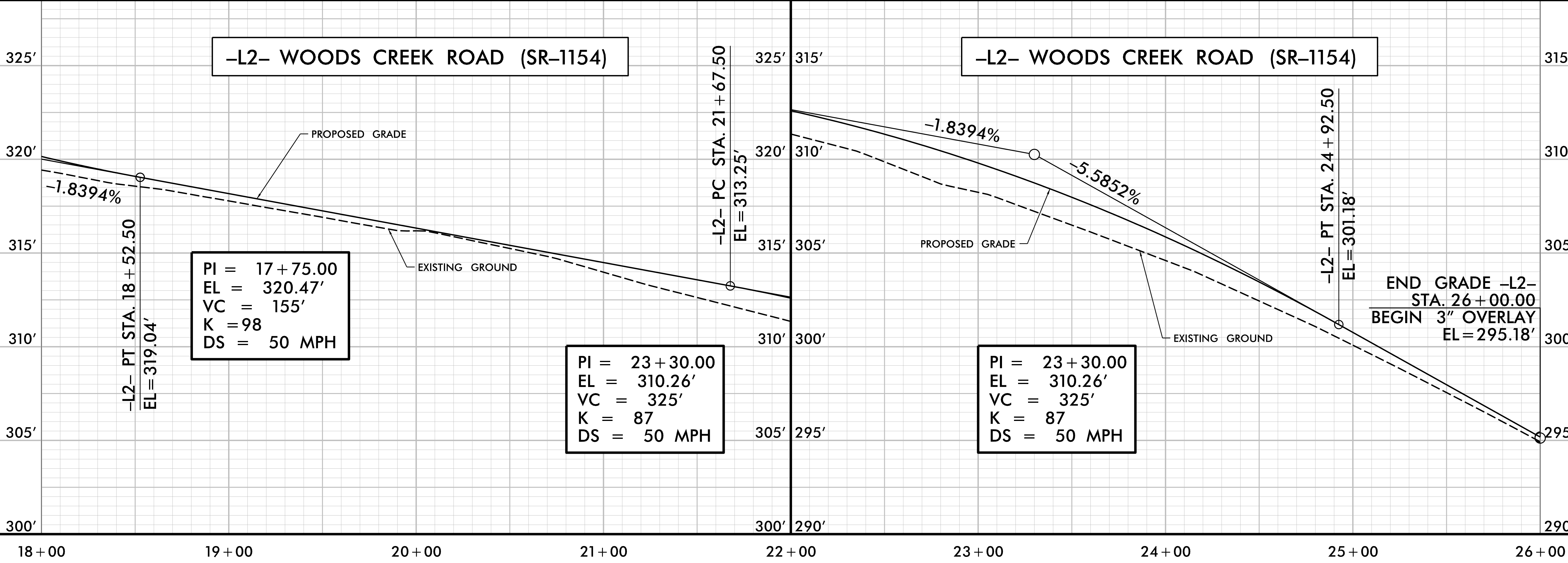


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DUKE ENERGY PROGRESS LLC
FORMERLY
FIRST CITIZENS BANK TRACT
(SEE DB 2086, PG. 677 & CP&L DRAWING #L-D-2581)
DUKE LAND UNIT #1183088
PIN: 0730634462



PI = 17+75.00
EL = 320.47'
VC = 155'
K = 98
DS = 50 MPH

PI = 23+30.00
EL = 310.26'
VC = 325'
K = 87
DS = 50 MPH

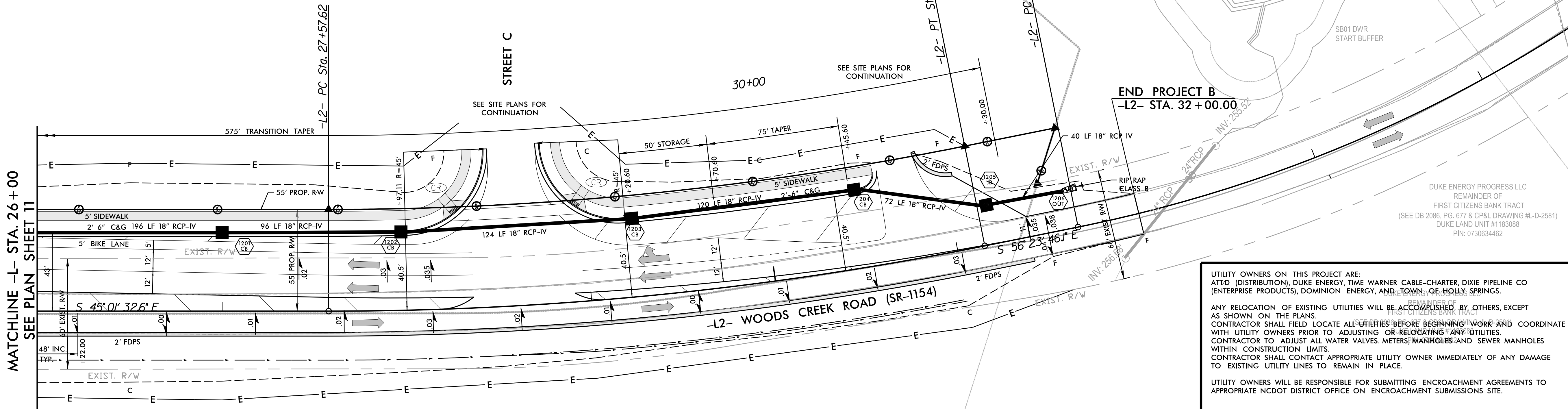
PI = 23+30.00
EL = 310.26'
VC = 325'
K = 87
DS = 50 MPH

8/31/2020
09:14
20117_Rd-PS11.dgn
J. Pedersen

-L2-
PI Sta 29+36.82
 $\Delta = 11^{\circ} 22' 13.5" (LT)$
 $D = 3^{\circ} 10' 59.2"$
 $L = 357.21'$
 $T = 179.19'$
 $R = 1,800.00'$
 $e = .035$

PI Sta 33+25.69
 $\Delta = 23^{\circ} 23' 11.4" (LT)$
 $D = 7^{\circ} 26' 27.6"$
 $L = 314.29'$
 $T = 159.36'$
 $R = 770.00'$

LENNAR CAROLINAS LLC
(SEE DB 017812, PG. 01928)
PIN: 0730533724



-L2- WOODS CREEK ROAD (SR-1154)

-L2- WOODS CREEK ROAD (SR-1154)

EXISTING GROUND

PROPOSED OVERLAY

PROPOSED OVERLAY

END OVERLAY
TRANSITION
-L2- STA. 32+00.00

END 3" OVERLAY -L2-
STA. 31+00.00
BEGIN TRANSITION
TO EXIST.

EXISTING GROUND

SHEET NO.

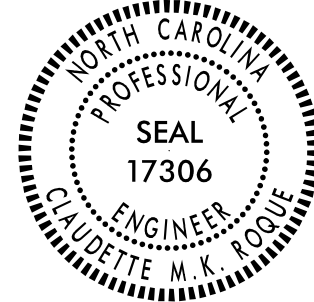
12

TOWN OF HOLLY SPRINGS

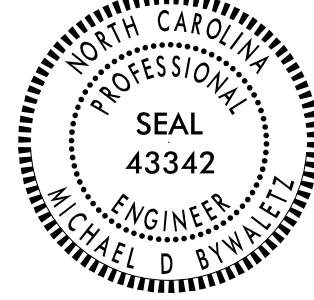
CAROLINA SPRINGS
OFFSITE IMPROVEMENTS

PLAN SHEET

ROADWAY DESIGN
ENGINEER



HYDRAULICS ENGINEER



REVISIONS

SCALES

H-SCALE - 1"=30'

V-SCALE - 1"=10'

DATE: 08/05/2020

DESIGNED BY: MPD, KMP

CHECKED BY: CMKR



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Raleigh, North Carolina 27609
Phone: 919-872-5115

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