Docusign Envelope ID: 45A9CEF9-9DA5-87D8-812A-2CE64717F2B1

PROJECT REFERENCE NO.	SHEET NO.
U-3422B	13
R/W SHEET NO.	

ROADWAY DESIGN ENGINEER
NORTH CAROLINA PROFESSIONAL SEAL 042478 ENGINEER ALEXANDER D. SNIDER
~~Alexander D. Snider~~
11/3/2026

HYDRAULICS ENGINEER
NORTH CAROLINA PROFESSIONAL SEAL 042084 ENGINEER JOSHUA J. MASSEY
Joshua J. Massey
11/3/2026

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HDR Engineering, Inc. of the Carolinas
555 Fayetteville St, Suite 900 Raleigh, N.C. 27601
N.C.B.E.L.S. License Number: F-0116

NAD 83/2011

MATCHLINE SHEET 12 –L– STA. 142+00.00

MATCHLINE SHEET 14 –L– STA. 156+00.00

MELISSA HAM, ET VIR
DB 8809 PG 691
PB 88 PG 128
146

JOHN P. BURNSIDE, ET UX
DB 11037 PG 478
DB 11039 PG 185
PB 104 PG 195
147

STEPHEN DOLLINGER, ET UX
DB 11403 PG 557
PB 104 PG 195
149

150
KEITH STOUGH, ET UX
DB 6584 PG 546

151
PHILLIP PATRICK LEE
DB 11218 PG 349

152
SPRINGS PROPERTY MANAGEMENT, LLC
DB 11474 PG 239

153
DANIEL C. BROWN
DB 2727 PG 53

154
SPRINGS PROPERTY MANAGEMENT, LLC
DB 10299 PG 393

JEFFREY W. WRIGHT
DB 10477 PG 092
156

DARNELL McNEIL, ET UX
DB 10869 PG 370
PB 97 PG 69
157

159
JAE KUN CHOE
DB 6426 PG 830
PB 97 PG 69

158
JAMES KENNETH HOLLINGSWORTH, ET AL
DB 11542 PG 203
PB 97 PG 69

135
LUISE P. SIMMONS, HEIRS
DB 1034 PG 365
PB 25 PG 74

136
STEVEN GAYNOR
DB 11594 PG 353
PB 25 PG 74

137
MICHAEL J. CORBETT, ET AL
DB 11460 PG 847
PB 25 PG 74

138
LINDSAY'S RETROFIT SERVICES, LLC.
DB 11266 PG 793
PB 25 PG 74

139
JAMES E. EMANUEL
DB 4680 PG 440

140
ELLIS E. EHLE, JR.
DB 7823 PG 852
PB 7 PG 78

141
TRACEY LAURELES, ET VIR
DB 9310 PG 104
PB 65 PG 56

142
REFUEL OPERATING COMPANY, LLC
DB 11272 PG 639
PB 65 PG 56

143
CHAE S. DILLON, ET VIR
DB 4542 PG 635
PB 119 PG 192

144
DOGWOOD PARTNERS OF FAYETTEVILLE, LLC
DB 8720 PG 811
PB 129 PG 75

145
VERTEX PROPERTIES, LLC.
DB 11235 PG 747
PB 142 PG 138

TOWN LIMIT OF HOPE MILLS

SEE SHEET 2B-3 FOR BULB-OUT DETAIL VIEW
SEE SHEET 21 FOR –L– PROFILE

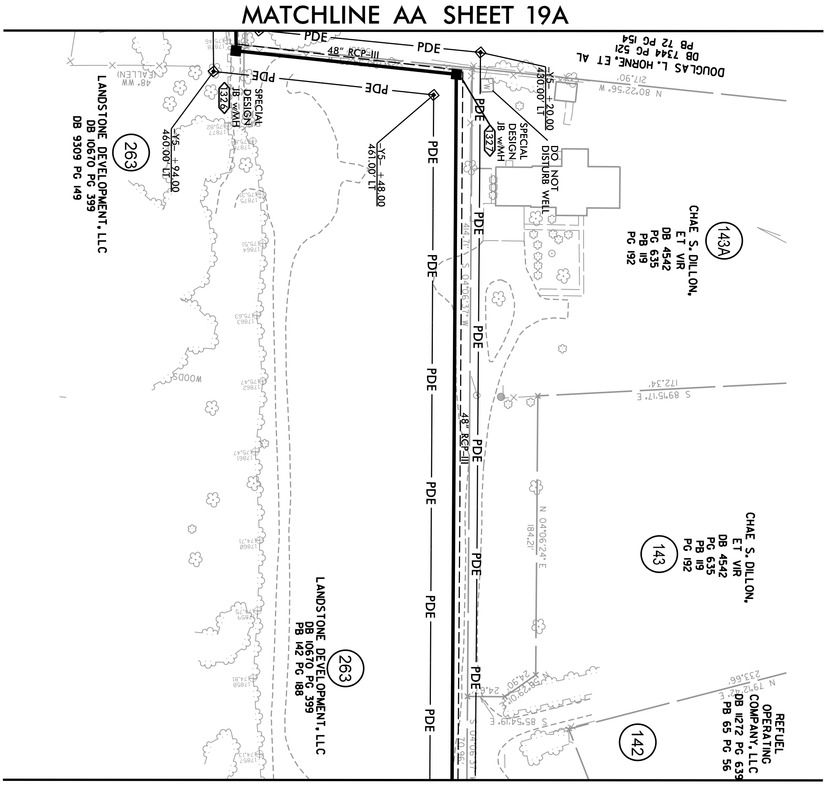
MATCHLINE BB SHEET 13A

PLOT DRIVER: NCDOT_pdf_color_eng_50.plt
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FILE: \
PENTABLE: U3422_pshpFi.tbl
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TIME: 2:49:21 PM

PLOT DRIVER: NCDOT_pdf_color_eng_50.plt
USER: ASNIDER
DATE: 9/23/2026
FILE: \
PENTABLE: U3422_pshpfl.tbl
TIME: 11:38:53 AM

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MATCHLINE AA SHEET 19A



MATCHLINE BB SHEET 13

NAD 83/2011

PROJECT REFERENCE NO.	SHEET NO.
U-3422B	13A

RW SHEET NO.

ROADWAY DESIGN ENGINEER

HYDRAULICS ENGINEER

11/3/2026

SEAL 040294 NORTH CAROLINA PROFESSIONAL ENGINEER CHRISTOPHER D. SNIDER

11/3/2026

SEAL 040294 NORTH CAROLINA PROFESSIONAL ENGINEER CHRISTOPHER J. MASSEY

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PROJECT REFERENCE NO.	SHEET NO.
U-3422B	14
R/W SHEET NO.	

ROADWAY DESIGN ENGINEER
NORTH CAROLINA PROFESSIONAL SEAL 042478 ENGINEER ALEXANDER D. SNIDER
11/3/2026

HYDRAULICS ENGINEER
NORTH CAROLINA PROFESSIONAL SEAL 042084 ENGINEER JOSHUA J. MASSEY
11/3/2026

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N.C.B.E.L.S. License Number: F-0116

NAD 83/2011

MATCHLINE SHEET 13 –L– STA. 156+00.00

MATCHLINE SHEET 15 –L– STA. 170+00.00

TOWN LIMIT OF HOPE MILLS

N 87°38'27" E 142.58'

N 66°21'37" E 150.15'

S 66°21'37" W 517.39'

N 14°10'00" W 39.76'

N 14°53'53" W 126.42'

N 14°21'20" W 70.42'

N 14°08'24" W 350.02'

N 87°38'27" E 142.58'

N 67°06'44" W 244.55'

N 22°34'46.5" W

N 59°17'01" E

-L- PC Sta. 162+65.19

-L- POC Sta. 162+83.50 = -D4- POT Sta. 12+12.01

-L- PT Sta. 167+09.54

-D4- PT Sta. 11+08.85

-D4- PC Sta. 10+00.00

160+00

165+00

170+00

-L-
PI Sta 164+87.77
Δ = 8°29'11.3" (LT)
D = 1°54'35.5"
L = 444.35'
T = 222.58'
R = 3,000.00'
e = 3%
Lr = 126.00'

-D4-
PI Sta 10+54.46
Δ = 5°11'50.1" (RT)
D = 4°46'28.7"
L = 108.85'
T = 54.46'
R = 1,200.00'

★ PROPOSED SIGNAL
SEE SHEET 2B-3 FOR INTERSECTION DETAIL VIEW
SEE SHEETS 21 AND 22 FOR –L– PROFILE
SEE SHEET 28 FOR –D4– PROFILE

PLOT DRIVER: NCDOT_pdf_color_eng_50.plt
USER: ASNIDER
FILE: \
DATE: 9/23/2026
PENTABLE: U3422_pshpfl.tbl
TIME: 2:49:24 PM

Docusign Envelope ID: 45A9CEF9-9DA5-87D8-812A-2CE64717F2B1

PROJECT REFERENCE NO.	SHEET NO.
U-3422B	15
R/W SHEET NO.	

ROADWAY DESIGN ENGINEER
NORTH CAROLINA PROFESSIONAL SEAL 042478 ENGINEER ALEXANDER D. SNIDER
11/3/2026

HYDRAULICS ENGINEER
NORTH CAROLINA PROFESSIONAL SEAL 042084 ENGINEER JOSHUA J. MASSEY
11/3/2026

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

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N.C.B.E.L.S. License Number: F-0116

NAD 83/2011

DETAIL 15–1
STANDARD 6' BASE DITCH
(Not to Scale)

FROM STA. 171+73 TO STA. 176+64 –L– LT

DETAIL 15–2
CLASS II RIP–RAPPED ENERGY DISSIPATOR BASIN
EST 60 TONS CLASS II RIP RAP
120 SY GEOTEXTILE

DIM. (ft)	CLASS II RIP RAP BASIN #1
A	3.5'
B	2.33'
C	4.5'
D	1.0'
E	12.5'
F	30'
G	25'

ALL DIMENSIONS APPROXIMATE

BASIN #	LOCATION (AT OUTLET)
1	171+03 –L– LT (STR# 1519)

STA. 170+95 –L– LT

7/08

DETAIL 15–3
STANDARD 2' BASE DITCH
(Not to Scale)

FROM STA. 182+31 TO STA. 182+75 –L– LT

MATCHLINE SEE INSET C

JANICE C. TERRY
DB 2006 PG 511
DB 1193 PG 529

DWIGHT DAVIS
DB 8936 PG 412

169 CHARLES T. GARDNER, ET UX
DB 6499 PG 317
PB 7 PG 78

STANDARD 6' BASE DITCH
SEE DETAIL 15–1
SLOPE = 0.15%
LENGTH = 315'
DDE = 800 CY

177 HELEN E. HOLDER, ET VIR
DB 8470 PG 156
PB 7 PG 78

Energy Dissipator Basin
SEE DETAIL 15–2

178 EMMA I. BOSTIC
DB 9607 PG 633
PB 24 PG 71

179 DAVID C. SASSER, ET UX
DB 912 PG 591
PB 24 PG 71

180 SPRINGS PROPERTY MANAGEMENT, LLC.
DB 10734 PG 511
PB 24 PG 71

181 LELAND J. MOREL, ET UX
DB 6273 PG 126
PB 24 PG 71

182 ARTHUR J. LASELLE, JR, ET UX
DB 5679 PG 474
PB 28 PG 21

183 WALTERS, JAMES R; GILMORE, ROSEMARY W
DB 10296 PG 848

LOURDES BELTRE
DB 10241 PG 643
PB 28 PG 21
186

185 THOMAS DUDLEY WATTS
DB 10958 PG 613
PB 28 PG 21

188

STANDARD 2' BASE DITCH
SEE DETAIL 15–3
SLOPE = 0.61%
DDE = 220 CY

187 SONTERIOS ELIAS FRANGOS
DB 9106 PG 891
PB 17 PG 2

CLASS 'I' RIP RAP
EST. 15 TONS
30 SY GEO–TEXTILE

MATCHLINE SHEET 14 –L– STA. 170+00.00

MATCHLINE SHEET 16 –L– STA. 184+00.00

163 EL TIO INVESTMENTS, LLC
DB 8689 PG 571
PB 129 PG 161

170 MILLSTONE PARTNERS, LLC
DB 8319 PG 629
PB 125 PG 194

171 HEITH ERIKSON WALSTON
DB 11143 PG 627
PB 17 PG 4

172 DAVID F. FERRUZZI
DB 4479 PG 643
PB 17 PG 4

173 KACEY PARK SHUPE
DB 5325 PG 868
PB 17 PG 4

174 LANDSTONE, LLC
DB 8858 PG 618
PB 17 PG 4

175 KAREN SIMMONS
DB 8679 PG 220
PB 17 PG 4

176 JANET K. WILLIAMS
DB 8679 PG 218
PB 17 PG 4

TOWN LIMIT OF HOPE MILLS

INSET C

MARVIN R. TERRY, ET UX
DB 4157 PG 704

MARTA C. BULLARD
DB 5250 PG 866

JANICE C. TERRY
DB 2006 PG 511
DB 1193 PG 529

MATCHLINE

STANDARD 6' BASE DITCH
SEE DETAIL 15–1
SLOPE = 0.15%
LENGTH = 315'

177 HELEN E. HOLDER, ET VIR
DB 8470 PG 156
PB 7 PG 78

B&T LAND DEVELOPMENT LLC
DB 7585 PG 224
PB 119 PG 185

SEE SHEET 2B–3 FOR BULB–OUT DETAIL VIEW
SEE SHEET 22 FOR –L– PROFILE

PLOT DRIVER: NCDOT_pdf_color_eng_50.plt PENTABLE: U3422_pshpfl.tbl
USER: ASNIDER DATE: 9/23/2026 TIME: 11:39:02 AM
PLOT DRIVER: NCDOT_pdf_color_eng_50.plt PENTABLE: U3422_pshpfl.tbl
USER: ASNIDER DATE: 9/23/2026 TIME: 11:39:02 AM
FILE:
FILE:

Docusign Envelope ID: 45A9CEF9-9DA5-87D8-812A-2CE64717F2B1

PROJECT REFERENCE NO.	SHEET NO.
U-3422B	16
R/W SHEET NO.	

ROADWAY DESIGN ENGINEER
NORTH CAROLINA PROFESSIONAL SEAL 042478 ENGINEER ALEXANDER D. SNIDER
11/3/2026

HYDRAULICS ENGINEER
NORTH CAROLINA PROFESSIONAL SEAL 042084 ENGINEER JOSHUA J. MASSEY
11/3/2026

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N.C.B.E.L.S. License Number: F-0116

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MATCHLINE SHEET 15

MATCHLINE SHEET 17

-L- STA. 184+00.00

-L- STA. 198+00.00

NDA A BRADFORD, DB 9885 PG 240 PB 17 PG 2

TOWN LIMIT OF HOPE MILLS

BLEDSOE, KIMBERLY F; ROSS, SABRINA F; RUSSELL, SHANNON FOWLER; FOWLER, JASON R DB 13E PG 266 PB 120 PG 141

188 WATUS H. PARKER DB 2296 PG 517 PB 17 PG 2

209 MARY L. FOWLER, LIFE ESTATE DB 6482 PG 411 PB 17 PG 2

210 SOTOS INVESTMENTS, LLC. DB 11300 PG 821 PB 17 PG 2

211 SOTOS INVESTMENTS, LLC. DB 11300 PG 821 PB 17 PG 2

212 PATRICIA C. GAINEY DB 11249 PG 889

213 ALTON ALVA HARTNESS DB 3368 PG 36 PB 17 PG 2

214 HAROLD KIDD, ET UX DB 3755 PG 477

283

215 JFC, LLC DB 8536 PG 885 PB 120 PG 141

216 JUAN MACIAS DB 3952 PG 869 PB 71 PG 7

217 FIVE RIDDLES III, INC. DB 7472 PG 212 PB 106 PG 117

195 JANET K. WILLIAMS DB 9058 PG 524 PB 17 PG 4

196 PHILLIP NORWOOD SMITH DB 4853 PG 384 PB 17 PG 4

197 JERRY LEON EDGE / TARHEEL BUILDERS DB 3615 PG 537 DB 11498 PG 392 PB 17 PG 4

199 RUTH A. LIND DB 4128 PG 709 PB 17 PG 4

200 WILLIAM R. WESTBROOK III, ET UX DB 7140 PG 770 PB 87 PG 15

201 WILLIAM R. WESTBROOK III, ET UX DB 7140 PG 770 PB 87 PG 15

202 STORESMART FAYETTEVILLE NC, LP

203 HALLIE ARTLEY, ET AL DB 3280 PG 328 PB 63 PG 9

204 HAROLD KIDD, ET UX DB 4124 PG 563 PB 133 PG 142

205 VILLAGE COMPANY, LLC DB 4731 PG 167 PB 89 PG 29

206 BRYANT RESTURANTS, INC. DB 5282 PG 357 PB 60 PG 91

208 CAROLINA BLUE SKY, LLC DB 10973 PG 581 PB 60 PG 91

176 JANET K. WILLIAMS DB 8679 PG 218 PB 17 PG 4

-L-
PI Sta 199+14.18
Δ = 12° 33' 07.6" (RT)
D = 3° 10' 59.2"
L = 394.34'
T = 197.96'
R = 1,800.00'
e = 3%
Lr = 126.00'

-L- PC Sta. 197+16.22

SEE SHEET 2B-4 FOR BULB-OUT DETAIL VIEW
SEE SHEETS 22 AND 23 FOR -L- PROFILE

PLOT DRIVER: NCDOT_pdf_color_eng_50.plt
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PENTABLE: U3422_pshpfl.tbl
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PROJECT REFERENCE NO.	SHEET NO.
U-3422B	17
R/W SHEET NO.	

ROADWAY DESIGN ENGINEER
NORTH CAROLINA PROFESSIONAL SEAL 042478 ENGINEER ALEXANDER D. SNIDER
11/3/2026

HYDRAULICS ENGINEER
NORTH CAROLINA PROFESSIONAL SEAL 042084 ENGINEER JOSHUA J. MASSTRON
11/3/2026

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N.C.B.E.L.S. License Number: F-0116

NAD 83/2011

-L-
PI Sta 203+18.92
Δ = 23° 32' 24.5" (RT)
D = 5° 43' 46.5"
L = 410.85'
T = 208.37'
R = 1,000.00'
e = EXISTING
Lr = NA

END TIP PROJECT U-3422B
-L- STA. 201+10.73
BEGIN MILL/FILL

-L- POT Sta. 209+19.99

-L- PT Sta. 205+21.41

-L- PCC Sta. 201+10.56

-L- POC Sta. 198+25.00 = -D3- POT Sta.12+00.00

-D3- POT Sta. 10+00.00

MATCHLINE SHEET 16 -L- STA. 198+00.00

MATCHLINE SEE INSET D

INSET D

205+00

200+00

TOWN LIMIT OF HOPE MILLS

APPROX. RUN OF CREEK

S 70°05'16" E 359.52'

S 14°01'22" E 141.00'

S 80°03'21" E 150.00'

S 01°25'15" W 14.98'

S 84°37' 26.8" E

S 84°30'24" E 209.00'

S 02°29'36" W 373.83'

S 02°29'36" W 198.61'

S 02°29'36" W 26.20'

S 02°29'36" W 285.00'

S 27°15'39" E

N 85°45'40" W 93.97'

N 78°47'16" E 47.89'

N 73°16'08" E 66.10'

N 60°30'34" E 106.00'

SR-1596 (HOPE MILLS ROAD)

217 FIVE RIDDLES III, INC.
DB 7472 PG 212
PB 106 PG 117

219 W HOPE MILLS REALTY LIMITED PARTNERSHIP
DB 6020 PG 214
PB 71 PG 7

218 McDONALDS REAL ESTATE CO.
DB 2791 PG 210
DB 8219 PG 114
DB 9879 PG 89

208 CAROLINA BLUE SKY, LLC.
DB 10973 PG 581
PB 60 PG 91

H & G PROPERTIES
DB 6833 PG 733
PB 114 PG 121

SMITH FAMILY CONSERVANCY LLC
DB 8330 PG 779
(DB 647 PG 243)

SMITH FAMILY CONSERVANCY LLC
DB 8330 PG 779
(DB 3609 PG 479)

RAYMOND LLOYD MYRICK
DB 2632 PG 811

LUMINA3001 LLC
DB 10141 PG 135
PB 97 PG 84

DB 5535 PG 21

TIE TO EXIST. +07.10 -L- 100.55' LT
END C&G +04.65 -L- 100.39' LT
TIE TO EXIST. +10.08 -L- 120.07' LT
TIE TO EXIST. +54.53 -L- 115.39' LT
TIE TO EXIST. +65.80 -L- 97.91' LT
TIE TO EXIST. +66.89 -L- 70.83' LT
PROPOSED 8" X 18" C&G -L- +75.00 80.00' LT
RETAIN DI
-L- +88.00 EX. R/W
-L- +70.00 76.00' LT
-L- +69.43 58.00' RT
-L- +96.57 EX. R/W
-L- +19.00 67.00' LT
-L- +55.00 78.00' LT
5' MONO. CONC. ISLAND
DO NOT DISTURB SIGN
TIE TO EXIST. +76.55 -L- 104.42' LT
TIE TO EXIST. +17.81 -L- 53.16' LT
TIE TO EXIST. +30.26 -L- 54.46' LT
48" IRON FENCE
RET. WALL
EXISTING R/W
RETAIN EXISTING CURB & GUTTER
24" HDPE
INV=106.79'
INV=107.34'
INV=109.39'
INV=109.53'
42" RCP
18" RCP
15" RCP
24" RCP
10" CONC INV=110.40
RETAIN EXISTING CONCRETE ISLAND
REMOVE PORTION OF EXISTING ISLAND
TIE TO EXIST. +24.74 -L- 85.87' RT
TIE TO EXIST. +49.71 -L- 80.97' RT
TIE TO EXIST. +02.83 -L- 100.73' RT
TIE TO EXIST. +09.79 -L- 99.84' RT
END C&G +07.05 -L- 99.56' RT
TIE TO EXIST. +97.85 -L- 75.30' RT
TIE TO EXIST. +65.60 -L- 73.29' RT
-L- +75.00 92.00' RT
-L- +44.00 77.12' RT
-L- +29.00 76.00' RT
-L- +13.00 EX. R/W & 87.00' RT
-L- +04.72 EX. R/W
-L- +92.00 91.00' RT
DO NOT DISTURB AREA LIGHTS
DO NOT DISTURB EXISTING SIGNAGE
REMOVE CB
RETAIN CB
RETAIN DI
Conv. DI to JB
Adj. CB
END SW +06.26 -L- +92.00 91.00' RT
1' MTL
1.5' SIDEWALK
100' TAPER
ENDING R/W
BEGINNING R/W
PERMANENT DRAINAGE EASEMENT PER U-2308
PERMANENT UTILITY -E-
DO NOT DISTURBING 15' DEPTH APPROX 15' (*SEE SURVEYOR'S REPORT)
END OF SIGNAL DEPTH APPROX 10' (*SEE SURVEYOR'S REPORT)
ISBK BUS
ACCESS EASEMENT PER U-2308
ERM
CB
DI
JB
PUE
RETAIN
REMOVE
R 60'
R 35'
R 75'
R 15'
R 12'
R 8'
R 2'

INSET D

MATCHLINE

EXISTING R/W
RETAIN EXISTING CURB & GUTTER
15" RCP
EX.
GRASS
MTL
48" CMP
END CONSTRUCTION 1405' EAST OF -L- STA. 201+10.73 END MILL/FILL BEGIN EXISTING BRIDGE
TOWN LIMIT OF HOPE MILLS

☆ UPGRADE SIGNAL
SEE SHEET 23 FOR -L- PROFILE

PLOT DRIVER: NCDOT_pdf_color_eng_50.plt
USER: ASNIDER
FILE: \
PENTABLE: U3422_pshpfi.tbl
DATE: 10/7/2026
TIME: 10:35:10 AM

Docusign Envelope ID: 45A9CEF9-9DA5-87D8-812A-2CE64717F2B1

PROJECT REFERENCE NO.	SHEET NO.
U-3422B	17A
R/W SHEET NO.	

ROADWAY DESIGN ENGINEER
NORTH CAROLINA PROFESSIONAL SEAL 042478 ENGINEER ALEXANDER D. SNIDER
11/3/2026

HYDRAULICS ENGINEER
NORTH CAROLINA PROFESSIONAL SEAL 042084 ENGINEER JOSHUA J. MASSON
11/3/2026

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N.C.B.E.L.S. License Number: F-0116

NAD 83/2011

MATCHLINE SHEET 18 -Y3- STA. 22+50.00

-Y3- POT Sta. 10+00.00

BEGIN CONSTRUCTION
-Y3- STA. 20+40.00

15+00 (-Y3-)

20+00 (-Y3-)

S 02°04'14" W 1057.32'

N 15°47'46" E 424.12'

S 80°18'24" E 100.00'

S 80°18'24" E 100.40'

S 80°18'24" E 199.60'

S 80°37'58" E 111.00'

N 09°41'36" E 250.00'

N 09°41'36" E 249.80'

N 09°41'36" E 249.43'

N 09°41'36" E 248.69'

N 09°23'21" E 1046.54'

N 09°23'21" E 298.63'

N 09°23'21" E 298.85'

N 10°19'46" E 663.37'

S 01°20'15" W 284.72'

S 09°30'10" W 200.00'

S 09°24'56" W 200.00'

S 09°24'56" W 199.89'

S 09°24'56" W 199.78'

S 09°24'56" W 199.67'

S 09°24'56" W 199.56'

S 01°43'15" W 200.24'

S 01°32'15" W 250.28'

S 09°30'15" W 184.38'

S 09°30'15" W 440.82'

S 80°29'50" E 93.72'

S 80°29'50" E 120.00'

S 80°35'00" E 100.01'

S 80°35'00" E 99.90'

S 80°35'00" E 100.00'

S 80°35'00" E 100.08'

S 80°35'00" E 100.24'

S 80°35'00" E 144.59'

S 80°32'21.6" E

S 08°34'02" E 15.55'

S 85°01'19" W 121.99'

S 81°25'58" W 51.38'

S 01°43'15" W 325.88'

235 PAMELA LUCKIE
DB 5808 PG 838
PB 81 PG 125

MARION R. STARLING, ET UX
DB 11320 PG 172

228

MARION R. STARLING, ET UX
DB 9302 PG 517

MARION R. STARLING, ET UX
DB 10063 PG 464

BILLY H. BAREFOOT, ET UX
DB 2403 PG 126

BILLY H. BAREFOOT, ET UX
DB 5645 PG 75

MARION R. STARLING, ET UX
DB 11320 PG 172

DOROTHY SMITH GRANT
DB 3842 PG 799
PB 41 PG 49

KEVIN A. GRANT, ET UX
DB 5057 PG 807
PB 41 PG 49

ANTHONY CHARLES DIETZ
DB 10004 PG 65
PB 41 PG 49

CYNTHIA O. BAYSA
DB 4682 PG 819
PB 41 PG 49

WINFORD BULLARD, JR. ET UX
DB 9829 PG 746
PB 41 PG 49

ROBERT B. GREGORY, ET UX
DB 2689 PG 36
PB 41 PG 49

EDWARD N. SYED, ET UX
DB 4252 PG 311
PB 41 PG 49

BILLY H. BAREFOOT, ET UX
DB 2416 PG 60
PB 41 PG 49

DALE EDWARD BARTLETT, ET UX
DB 3754 PG 142

TAMELA FAYE ESPARZA
DB 6364 PG 493
PB 104 PG 184

233

234 TAMELA J. MASON
DB 5616 PG 540
PB 104 PG 184

-Y3- +40.00 EX. R/W & 45.00' LT

-Y3- +40.00 11.47' LT

-Y3- +40.00 EX. R/W & 45.00' RT

-Y3- +40.00 10.80' RT

-Y3- +70.00 45.00' RT

-Y3- +27.95 EX. P/L

-Y3- +27.95 EX. P/L

R 10'

310' TAPER

EX. R/W

EX. P/L

PUE

ISBKD

DK

HTR

ISFD

MTL CANOPY

WOODS

GATE

CONC

EIP

BST

48" WW

48" CHL

16" DI

6" UNKNOWN

48" WD RAIL

6" PLASTIC

18" RCP

TBMIO

BY2-37

BY2-38

TO SR 1108 LAKEWOOD DR

SR 1112 ROCKFISH RD. 22' PAVED ROADWAY

SEE SHEET 24 FOR -Y3- PROFILE

PLOT DRIVER: NCDOT_pdf_color_eng_50.plt
USER: ASNIDER
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PENTABLE: U3422_pshpfi.tbl
DATE: 9/23/2026
TIME: 11:39:15 AM

Docusign Envelope ID: 45A9CEF9-9DA5-87D8-812A-2CE64717F2B1

PROJECT REFERENCE NO.	SHEET NO.
U-3422B	18
R/W SHEET NO.	

ROADWAY DESIGN ENGINEER
NORTH CAROLINA PROFESSIONAL SEAL 042678 ENGINEER ALEXANDER D. SNIDER
11/3/2026

HYDRAULICS ENGINEER
NORTH CAROLINA PROFESSIONAL SEAL 042084 ENGINEER JOSHUA J. MASSEY
11/3/2026

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

HDR Engineering, Inc. of the Carolinas
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NAD 83/2011

-Y3-
PI Sta 38+74.91
Δ = 65° 14' 24.1" (RT)
D = 15° 16' 43.9"
L = 427.00'
T = 240.01'
R = 375.00'

MATCHLINE SHEET 17A -Y3- STA. 22+50.00

MATCHLINE SHEET 11 -Y3- STA. 36+50.00

25+00 (-Y3-)
30+00 (-Y3-)
35+00 (-Y3-)

S 84°04'32" E 309.98'
S 80°30'32" E 222.75'
S 80°32'15" E 399.16'
S 80°39'58" E 200.00'
S 80°32'21.6" E

228 DICKENS FAMILY TRUST DB 11397 PG 56 PB 81PG 125
229 WILLIAM ERNEST CARLTON DB 3641PG 629
230 AVY PORTER OFFENHAUSER DB 9391PG 82 PB 39 PG 72
231 JAMES R. HARRIS, ET UX DB 2941PG 345 PB 39 PG 72
232 MARION R. STARLING, ET UX DB 9275 PG 649 PB 39 PG 72

220 ABRAHAM BENZAQUEN I, ET UX DB 2631PG 595
221 WILLIE CARL HOBBS, ET UX DB 2047 PG 9
222 CHARLES H. BAKER DB 7420 PG 127
223 RANDY L. NOBLES, ET UX DB 9590 PG 18
224 SUSAN L. HAMBLIN DB 10895 PG 257
225 SUSAN L. HAMBLIN DB 10895 PG 260
226 CLAUDE P. RULE, ET UX DB 2743 PG 106
227 JIN HONG HUANG DB 9877 PG 283
117 CROSSROAD PROPRIETARY INVESTMENTS, LLC. DB 11524 PG 103

DO NOT DISTURB SEPTIC DRAIN FIELD
SEPTIC DRAIN FIELD APPROXIMATE LOCATION
5" MONO. CONC. ISLAND
310' TAPER
150' TAPER
200' TAPER
24" RCP-III
18" RCP-IV
15" RCP-IV
2'-6" C&G
1'-6" C&G
-Y3- PT Sta. 36+34.91

SEE SHEET 2B-4 FOR BULB-OUT DETAIL VIEW
SEE SHEET 24 AND 25 FOR -Y3- PROFILE

PLOT DRIVER: NCDOT_pdf_color_eng_50.plt
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FILE: \
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PROJECT REFERENCE NO.	SHEET NO.
U-3422B	19
R/W SHEET NO.	

ROADWAY DESIGN ENGINEER
NORTH CAROLINA PROFESSIONAL SEAL 042470 ENGINEER ALEXANDER D. SNYDER
11/3/2026

HYDRAULICS ENGINEER
NORTH CAROLINA PROFESSIONAL SEAL 042084 ENGINEER JOSHUA J. MASSON
11/3/2026

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N.C.B.E.L.S. License Number: F-0116

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TOWN LIMIT OF HOPE MILLS

MATCHLINE SHEET 12 -Y5- STA. 14+50.00

MATCHLINE SHEET 19A -Y5- STA. 28+50.00

15+00 (-Y5-)

20+00 (-Y5-)

25+00 (-Y5-)

123 CHARLES E. KOONCE, ET AL DB 2252 PG 337 PB 25 PG 74

243 NIXON TAVAREZ, ET UX DB 7229 PG 332

244 CHRISTIAN TABERNACLE OUTREACH MINISTRY DB 9965 PG 390

284 DAHLIA L STRATTON ATKINS RANEY GLENN TURLINGTON DB 5244 PG 197

245 DANNY FRANK TERRY, ET UX DB 7969 PG 611

247 ROBERT D. HIGHSMITH DB 5174 PG 204 PB 72 PG 154

282 DAVID J. LENIHAN DB 9945 PG 443 PB 72 PG 154

248 DOUGLAS L. HORNE, ET AL DB 7344 PG 521 PB 72 PG 154

249 CHRISTOPHER J. WALLACE, ET UX DB 10311 PG 322 PB 72 PG 154

140 ELLIS E. EHLE, JR. DB 7823 PG 852 PB 7 PG 78

236 ROXIE VENDETTI DB 5632 PG 549 PB 22 PG 71

237 CUMBERLAND COUNTY BOARD OF EDUCATION DB 2710 PG 366 PB 22 PG 71

237A TOWN OF HOPE MILLS

238 THOMAS W. FAUCETTE DB 7808 PG 114 PB 98 PG 200 PB 99 PG 114

240 DEMI JONES DB 10396 PG 214 PB 99 PG 114

241 VICTORY BAPTIST CHURCH, INC. DB 6497 PG 311 PB 98 PG 200 PB 72 PG 76

DEAVER CIRCLE APARTMENTS, LLC DB 9877 PG 72 PB 22 PG 71

CHURCH OF GOD, TRUSTEES DB 3451 PG 542 PB 7 PG 78

BASEBALL FIELD

BACK STOP FENCE

GRADE TO DRAIN

5" MONO. CONC. ISLAND

SEE SHEET 2B-4 FOR BULB-OUT DETAIL VIEW
SEE SHEET 26 FOR -Y5- PROFILE

PLOT DRIVER: NCDOT_pdf_color_eng_50.plt PENTABLE: U3422_pshpfl.tbl
USER: ASNIDER DATE: 9/23/2026 TIME: 2:49:34 PM
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PROJECT REFERENCE NO.	SHEET NO.
U-3422B	19A
R/W SHEET NO.	

ROADWAY DESIGN ENGINEER
NORTH CAROLINA PROFESSIONAL SEAL 042478 ENGINEER ALEXANDER D. SNYDER
11/3/2026

HYDRAULICS ENGINEER
NORTH CAROLINA PROFESSIONAL SEAL 042084 ENGINEER JOSHUA J. MASSONE
11/3/2026

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

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N.C.B.E.L.S. License Number: F-0116

NAD 83/2011

MATCHLINE AA SHEET 13A

MATCHLINE SHEET 19 –Y5– STA. 28+50.00

MATCHLINE SHEET 19B –Y5– STA. 42+00.00

285 DOUGLAS L. HORNE DB 7344 PG 521

DOUGLAS L. HORNE, ET AL DB 7344 PG 521 PB 72 PG 154

260 THEODORE A. SMITH, ET UX DB 3262 PG 512

261 SAMUEL BREHM DB 2475 PG 451 PB 72 PG 154

NATHAN BREHM DB 11663 PG 437 261

263 LANDSTONE DEVELOPMENT, LLC DB 10670 PG 399 DB 9309 PG 149

264 KISHANA SHANELLE ALLEN DB 11271 PG 460 PB 123 PG 172

265 NCDOT DB 11620 PG 485 PB 123 PG 172

266 KAITLIN O'TOOLE, ET AL DB 11396 PG 134 PB 123 PG 172

267 DAT NGUYEN, ET AL DB 10790 PG 190 PB 123 PG 172

268 KAITLIN HAINES, ET AL DB 11377 PG 565 PB 123 PG 172

269 HERBERT M. FLETCHER, JR. ET UX DB 8255 PG 16 PB 123 PG 172

270 BOTTOM-LINE PROPERTY BUYERS, LLC. DB 10981 PG 370 PB 123 PG 172

271 LAMAR GILBERT DB 8315 PG 279 PB 123 PG 172

272 ISIAH PECK, ET UX DB 11514 PG 12 PB 123 PG 172

273 CHARLES LEIGHTON JACOBS, ET UX DB 7253 PG 576

280 SOUTH PEAK AT MILLSTONE HOMEOWNERS ASSOCIATION INC DB 8077 PG 769 PBI23 PGI72

250 SYEDA M. GAINEY, ET VIR DB 6875 PG 678 PB 114 PG 44

251 JANET CLAIR DB 5338 PG 40 MB 7 PG 78

252 GLENN KYLE JOHNSON, JR. DB 3475 PG 873 PB 25 PG 50

253 MICHAEL WESLEY STARLING DB 9150 PG 177 PB 25 PG 50

254 KENNETH R. DAVIS DB 2412 PG 349 PB 25 PG 50

255 C. CICERO MAXWELL, SR. LIVING TRUST DB 4607 PG 747 PB 25 PG 50

256 JOHN WALTER LOVER, JR. ET UX DB 5743 PG 516 PB 25 PG 50

257 TONY R. TYNDAL DB 10061 PG 68 PB 25 PG 50

258 WILMA C. HERRIN DB 4823 PG 239 PB 25 PG 50

259 FAITH H. BROCK DB 3421 PG 246

TOWN LIMIT OF HOPE MILLS

SEE SHEET 2B-4 FOR INTERSECTION DETAIL VIEW
SEE SHEET 26 AND 27 FOR –Y5– PROFILE

PLOT DRIVER: NCDOT_pdf_color_eng_50.plt PENTABLE: U3422_pshpfl.tbl
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PROJECT REFERENCE NO.	SHEET NO.
U-3422B	19B
R/W SHEET NO.	

ROADWAY DESIGN ENGINEER
NORTH CAROLINA PROFESSIONAL SEAL 042478 ENGINEER ALEXANDER D. SNIDER
11/3/2026

HYDRAULICS ENGINEER
NORTH CAROLINA PROFESSIONAL SEAL 042084 ENGINEER JOSHUA J. MASSEY
11/3/2026

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NAD 83/2011

MATCHLINE SHEET 19A -Y5- STA. 42+00.00

273

276 RYAN THOMAS BLACKWELL ET UX DB 10963 PG 71 -Y5- +32.00 58.57' LT & 87.00' LT

DO NOT DISTURB SHED

-Y5- +72.00 87.00' LT

DO NOT DISTURB WELL

-Y5- +75.00 38.00' LT

-Y5- +50.00 EX. R/W & 45.00' LT

-60.00 -Y5- 30.95' LT

277 RYAN THOMAS BLACKWELL ET UX DB 10963 PG 71

278 MT. NEBO CHURCH OF GOD DB 3828 PG 483 PB 31 PG 60 -Y5- +60.00 EX. R/W & 35.00' LT

+60.00 -Y5- 7.28' LT 80' BST

279 MT. NEBO CHURCH OF GOD DB 6391 PG 466 PB 31 PG 60

45+00 (-Y5-)

POT Sta. 48+00.00

END CONSTRUCTION -Y5- STA. 45+60.00

RICHARD MULLIS DB 2160 PG 595

HILDEGARD HARRIER DB 2201 PG 159 PB 31 PG 60

BILLY G. GASKINS SR. DB 4725 PG 533 PB 31 PG 60

DOVIE MAE HALL DB 8526 PG 167 PB 31 PG 60

KIRK P. ECKERT DB 7298 PG 404

JOHNSON W. HAYES DORIS C. HAYES DB 7357 PG 321 PB 109 PG 159

JOHNSON W. HAYES DORIS C. HAYES DB 7104 PG 825 PB 109 PG 159

HORIZONTAL ALIGNMENT SET TO MATCH FUTURE U-6072B PROJECT

BMI ELEV. 175.33' -BL- STA. 10+37.47 36.93' LEFT BENCHTIE SET IN 24" OAK

BM2 ELEV. 176.14' -BL- STA. 23+69.33 9.55' LEFT BENCHTIE SET IN 24" PINE

S 80° 37' 08.2" E

4.00' RT

SR 1112 ROCKFISH RD. 22' PAVED ROADWAY

TO NC 59 N MAIN ST.

300' TAPER R 25'

PUE -Y5- +24.00 EX. R/W

-Y5- +00.00 EX. R/W & 45.00' RT & 65.00' RT

+40.00 -Y5- 30.95' RT

274 DWAYNE P. MAXWELL DB 4511 PG 813 PB 90 PG 63

275 DWAYNE P. MAXWELL DB 4511 PG 806 PB 90 PG 63

DWAYNE P. MAXWELL DB 4511 PG 820 PB 90 PG 63

281 LANNY MORRISON LINDA MORRISON DB 8358 PG 234

-Y5- +94.79 EX. R/W

-Y5- +60.80 EX. P.L.

+40.00 -Y5- 15.33' RT

-Y5- +60.87 EX. R/W

DO NOT DISTURB WELL

TOWN LIMIT OF HOPE MILLS

MADSTONE DRIVE 26' PAVED ROADWAY

CHARTER DRIVE 22' PAVED ROADWAY

LIGHTHOUSE BAPTIST CHURCH DB 6330 PG 836 DB 72 PG 43

FLAGPOLE

CICERO MAXWELL REALTY COMPANY, INC. DB 4165 PG 482 PB 90 PG 63

THOMAS TAYLOR JUDY TAYLOR DB 5266 PG 895 PB 87 PG 106

CHRISTOPHER BERRY TEIZEL E. BERRY DB 7450 PG 228 PB 87 PG 106

KELLY G. SYKES KARIN M SYKES DB 4381 PG 572 PB 87 PG 106

JULIO C. VARON LUZ V. MANRIQUE DB 9342 PG 569 PB 87 PG 106

MELODY CLARK DB 4709 PG 148 PB 87 PG 106

PHIL WILLINGHAM MILDRED WILLINGHAM DB 4365 PG 255 PB 87 PG 106

SANDRA TOBIN DB 9984 PG 202 PB 87 PG 106

JOY C. SANCHEZ DON D. SANCHEZ DB 7819 PG 3 PB 87 PG 106

JEFFREY LASSITER SHARON LASSITER DB 5395 PG 643 PB 87 PG 106

SEE SHEET 27 FOR -Y5- PROFILE

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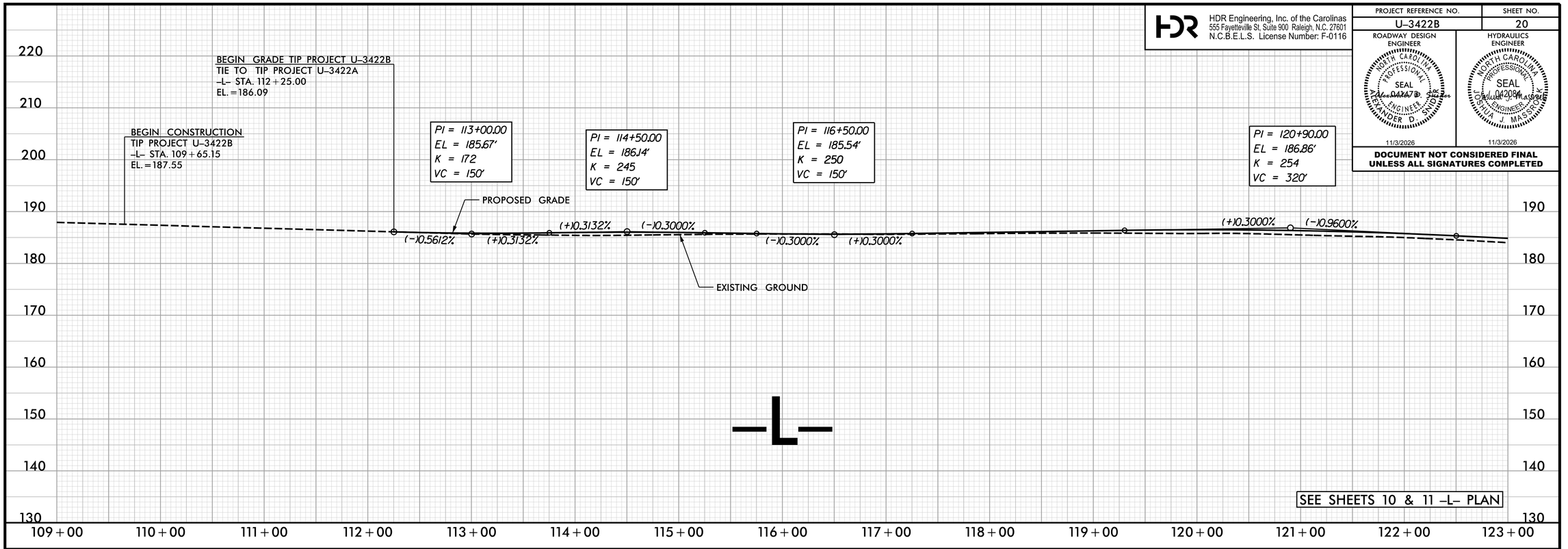
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N.C.B.E.L.S. License Number: F-0116

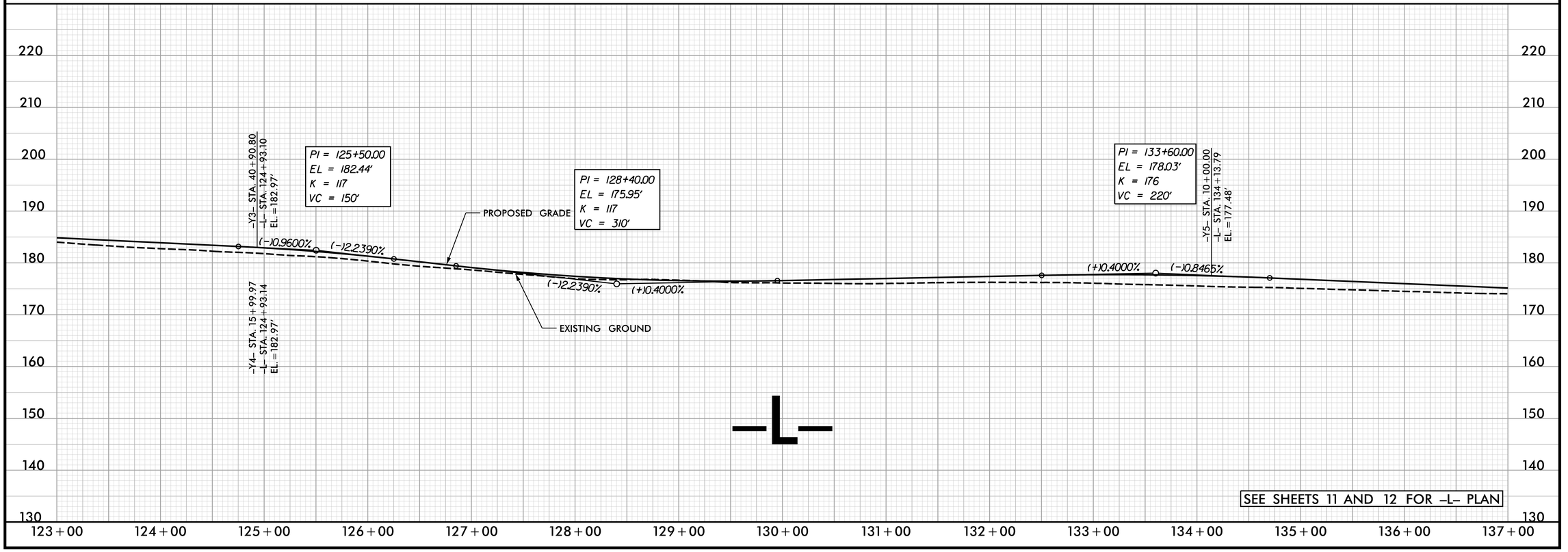
PROJECT REFERENCE NO.	SHEET NO.
U–3422B	20

ROADWAY DESIGN ENGINEER
NORTH CAROLINA PROFESSIONAL SEAL 042677 ENGINEER ALEXANDER D. SNIDER
11/3/2026

HYDRAULICS ENGINEER
NORTH CAROLINA PROFESSIONAL SEAL 042084 ENGINEER JOSHUA J. MASSEY
11/3/2026

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED





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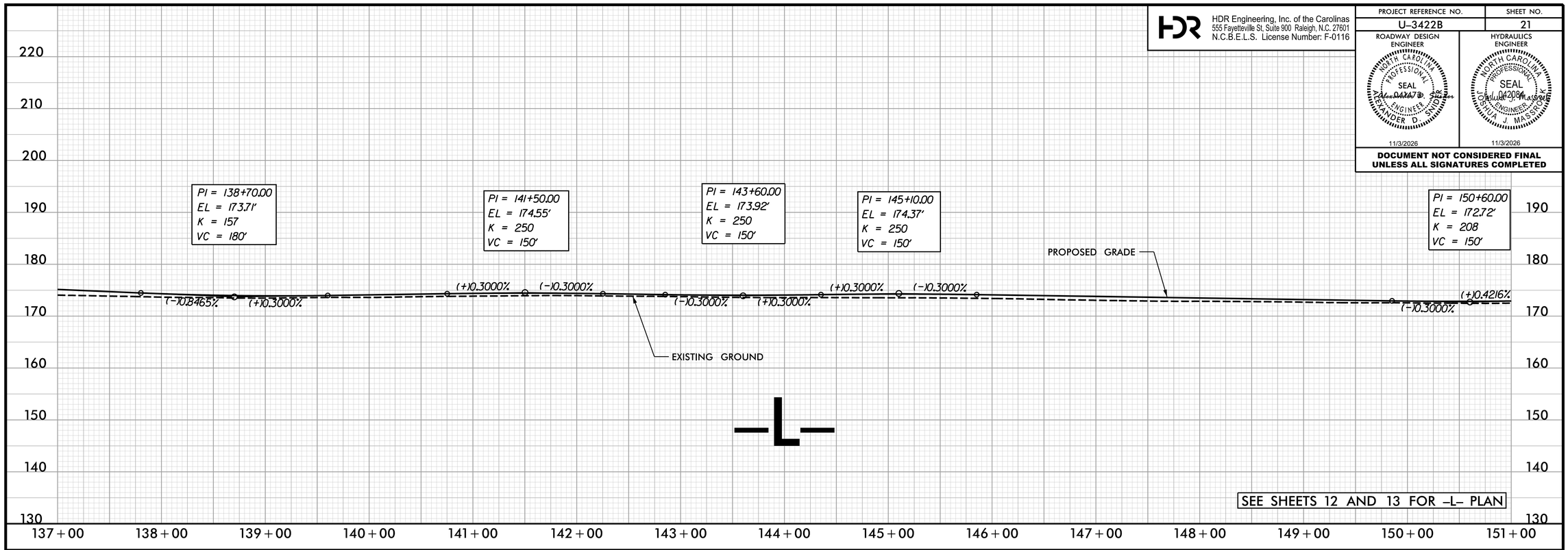
HDR Engineering, Inc. of the Carolinas
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N.C.B.E.L.S. License Number: F-0116

PROJECT REFERENCE NO.	SHEET NO.
U-3422B	21

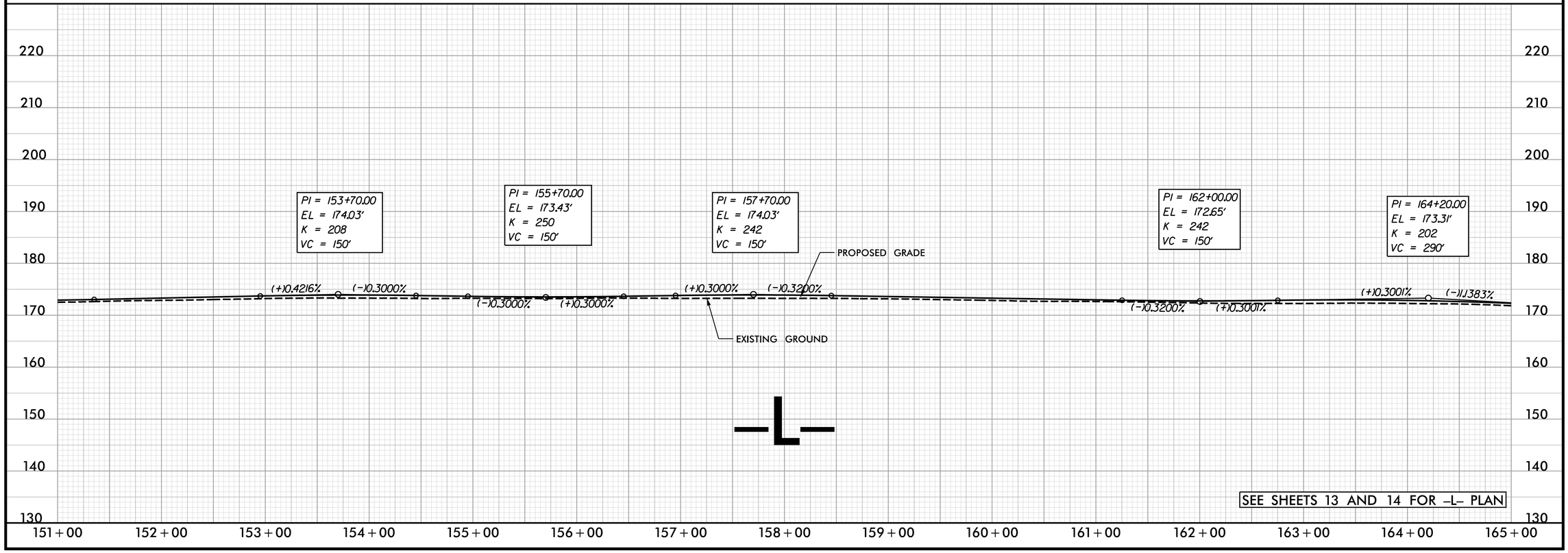
ROADWAY DESIGN ENGINEER
NORTH CAROLINA PROFESSIONAL SEAL 042677 ENGINEER ALEXANDER D. SNIDER
11/3/2026

HYDRAULICS ENGINEER
NORTH CAROLINA PROFESSIONAL SEAL 042084 ENGINEER JOSHUA J. MASSEY
11/3/2026

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SEE SHEETS 12 AND 13 FOR –L– PLAN



SEE SHEETS 13 AND 14 FOR –L– PLAN

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PROJECT REFERENCE NO.	SHEET NO.
U-3422B	22

ROADWAY DESIGN ENGINEER

NORTH CAROLINA PROFESSIONAL SEAL 042677 ENGINEER ALEXANDER D. SNIDER

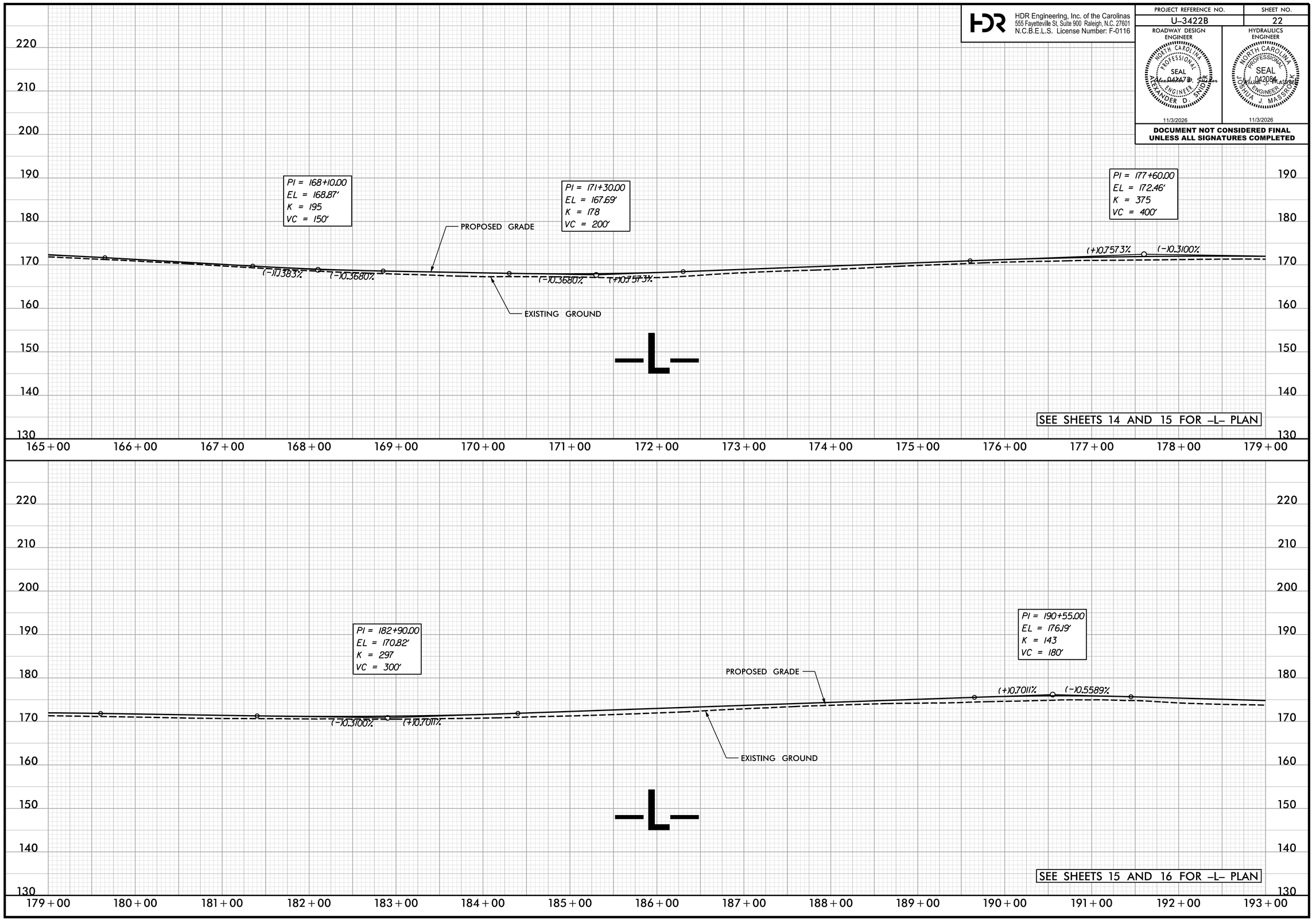
11/3/2026

HYDRAULICS ENGINEER

NORTH CAROLINA PROFESSIONAL SEAL 042084 ENGINEER CYNTHIA J. MASSEY

11/3/2026

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PROJECT REFERENCE NO.	SHEET NO.
U–3422B	23

ROADWAY DESIGN ENGINEER

NORTH CAROLINA PROFESSIONAL SEAL 042677 ENGINEER ALEXANDER D. SNIDER

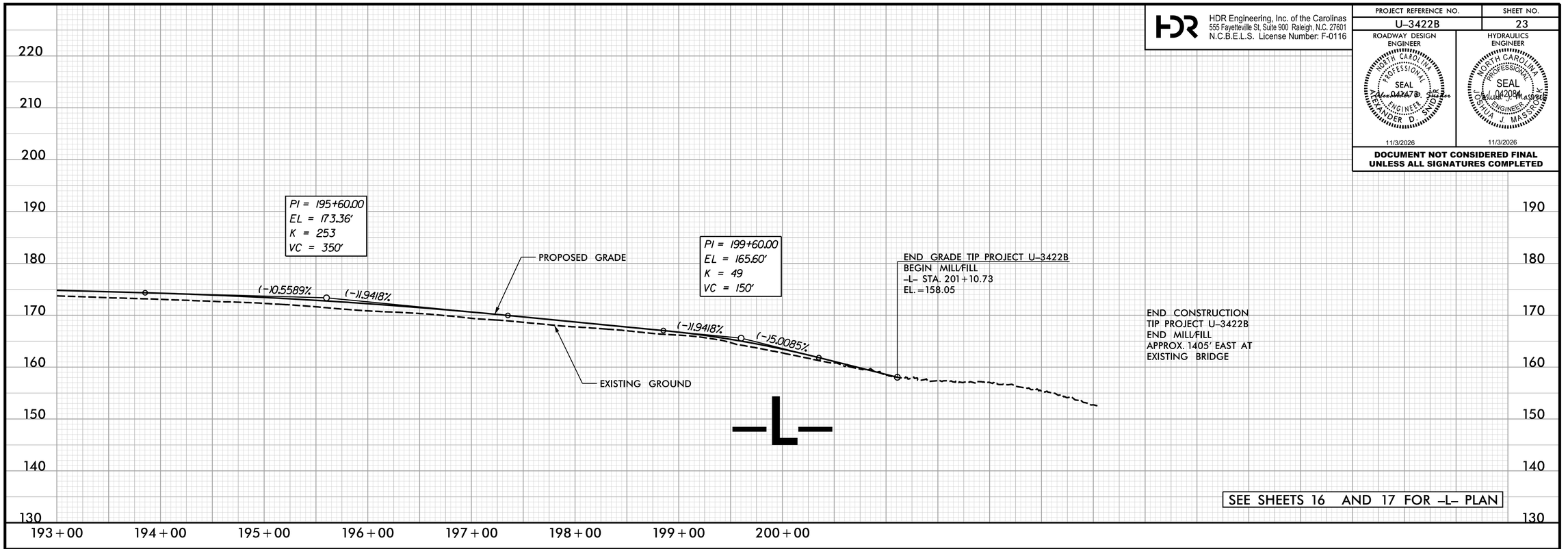
11/3/2026

HYDRAULICS ENGINEER

NORTH CAROLINA PROFESSIONAL SEAL 042084 ENGINEER JOSHUA J. MASSEY

11/3/2026

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED



SEE SHEETS 16 AND 17 FOR –L– PLAN

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PENTABLE: U3422_pshpfl.tbl
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HDR Engineering, Inc. of the Carolinas
555 Fayetteville St, Suite 900 Raleigh, N.C. 27601
N.C.B.E.L.S. License Number: F-0116

PROJECT REFERENCE NO.	SHEET NO.
U–3422B	24

ROADWAY DESIGN ENGINEER

NORTH CAROLINA PROFESSIONAL SEAL 042677 ENGINEER ALEXANDER D. SNIDER

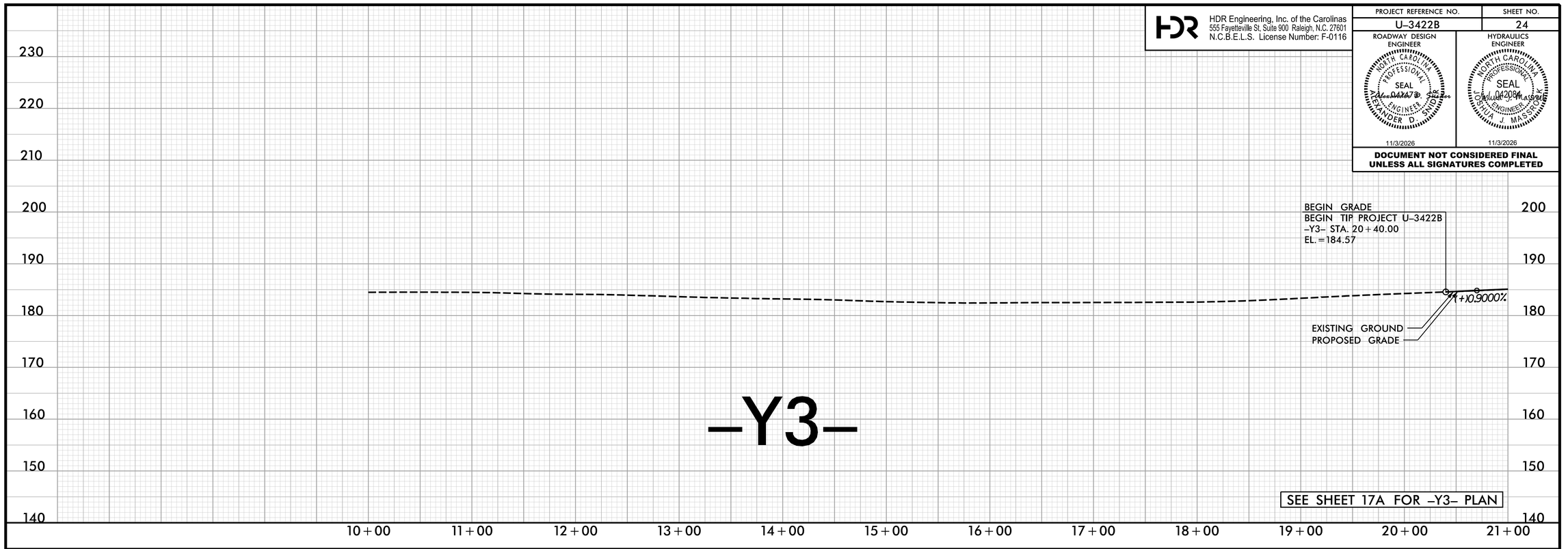
11/3/2026

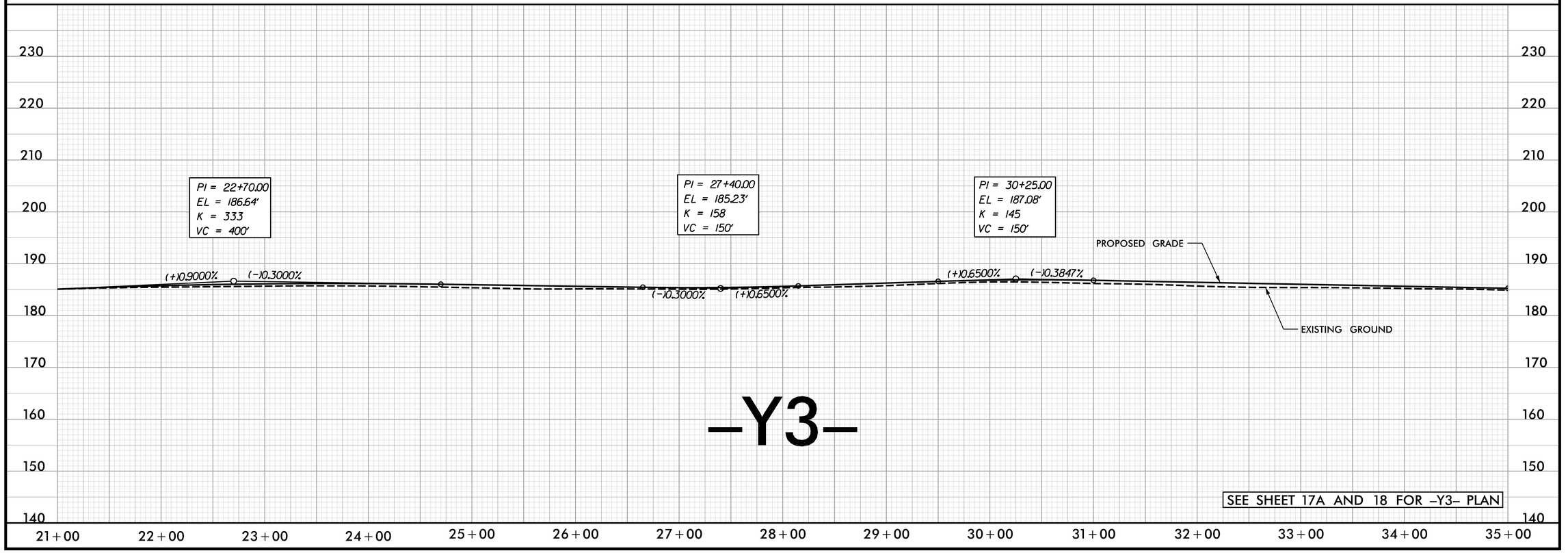
HYDRAULICS ENGINEER

NORTH CAROLINA PROFESSIONAL SEAL 042084 ENGINEER JOSHUA J. MASSEY

11/3/2026

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED





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HDR Engineering, Inc. of the Carolinas
555 Fayetteville St, Suite 900 Raleigh, N.C. 27601
N.C.B.E.L.S. License Number: F-0116

PROJECT REFERENCE NO.	SHEET NO.
U-3422B	25

ROADWAY DESIGN ENGINEER

NORTH CAROLINA PROFESSIONAL SEAL 042677 ENGINEER ALEXANDER D. SNIDER

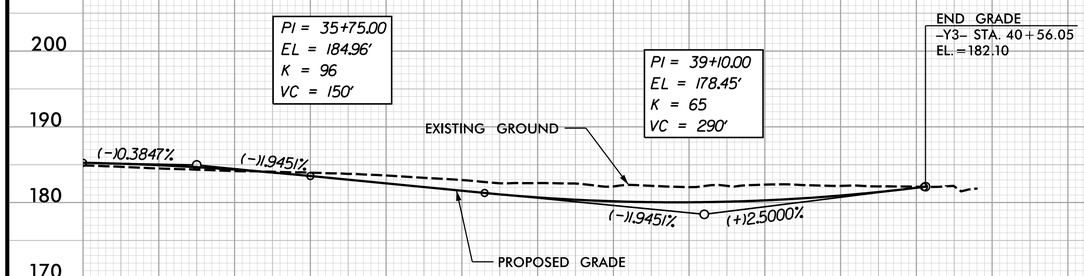
11/3/2026

HYDRAULICS ENGINEER

NORTH CAROLINA PROFESSIONAL SEAL 042084 ENGINEER JOSHUA J. MASSEY

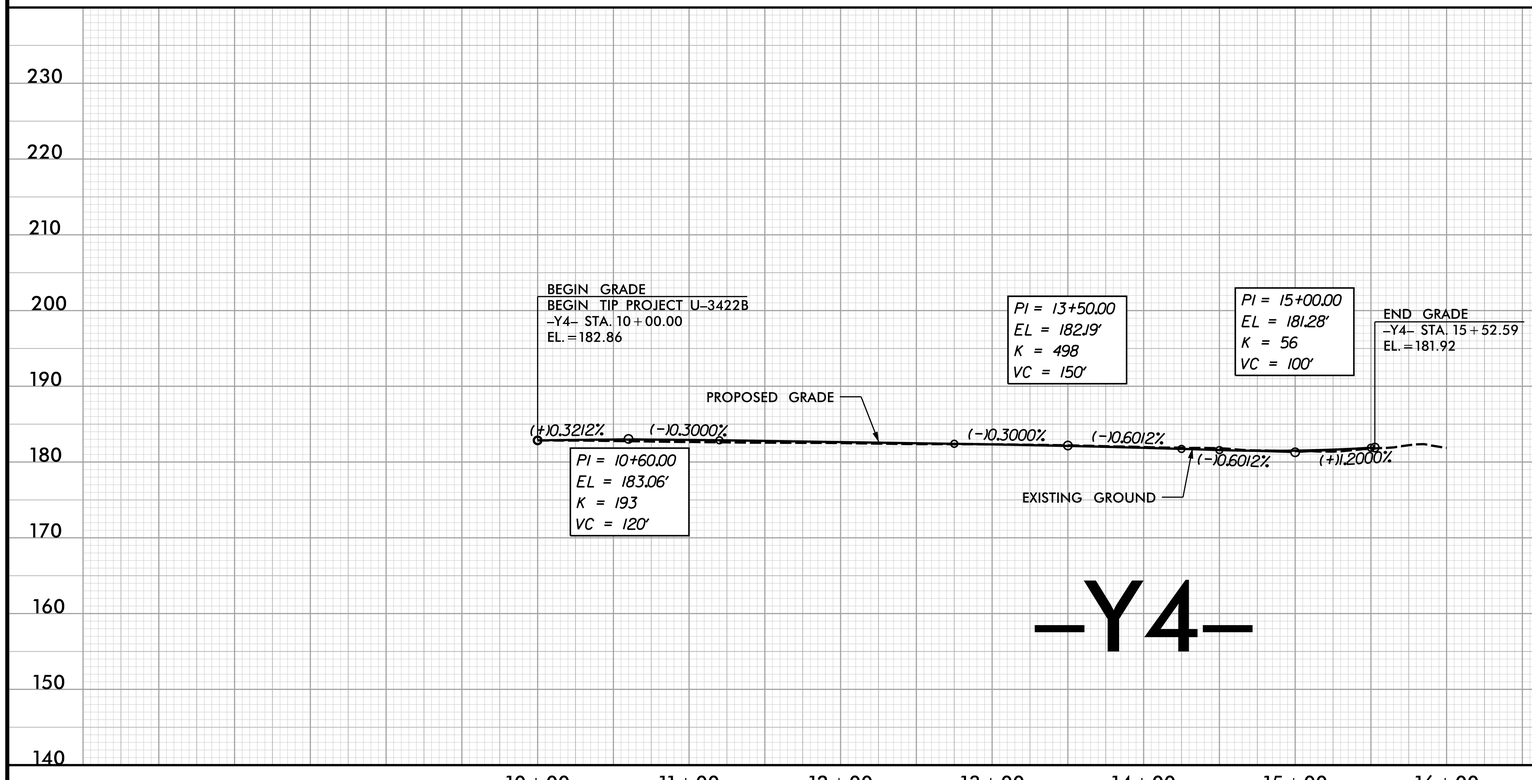
11/3/2026

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED



-Y3-

SEE SHEET 18 AND 11 FOR -Y3- PLAN



-Y4-

SEE SHEET 11 FOR -Y4- PLAN

PLOT DRIVER: NCDOT_pdf_color-eng-50.plt
USER: ASNIDER
FILE: \
PENTABLE: U3422_pshpfl.tbl
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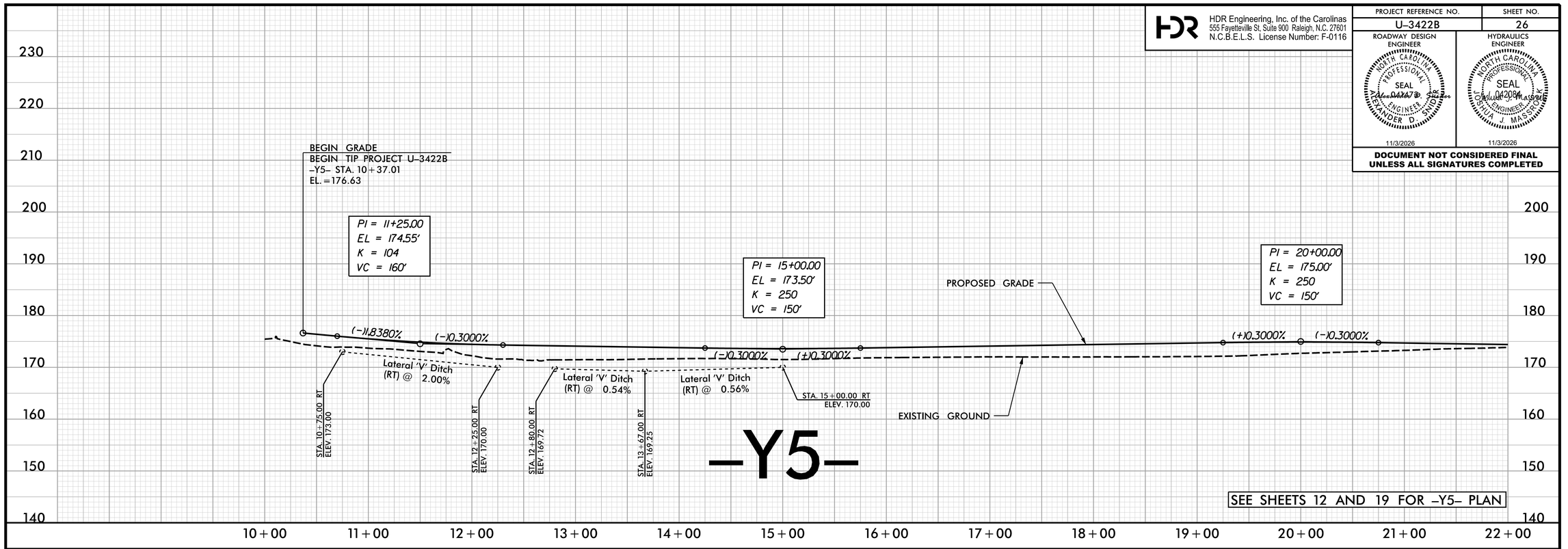
HDR Engineering, Inc. of the Carolinas
555 Fayetteville St, Suite 900 Raleigh, N.C. 27601
N.C.B.E.L.S. License Number: F-0116

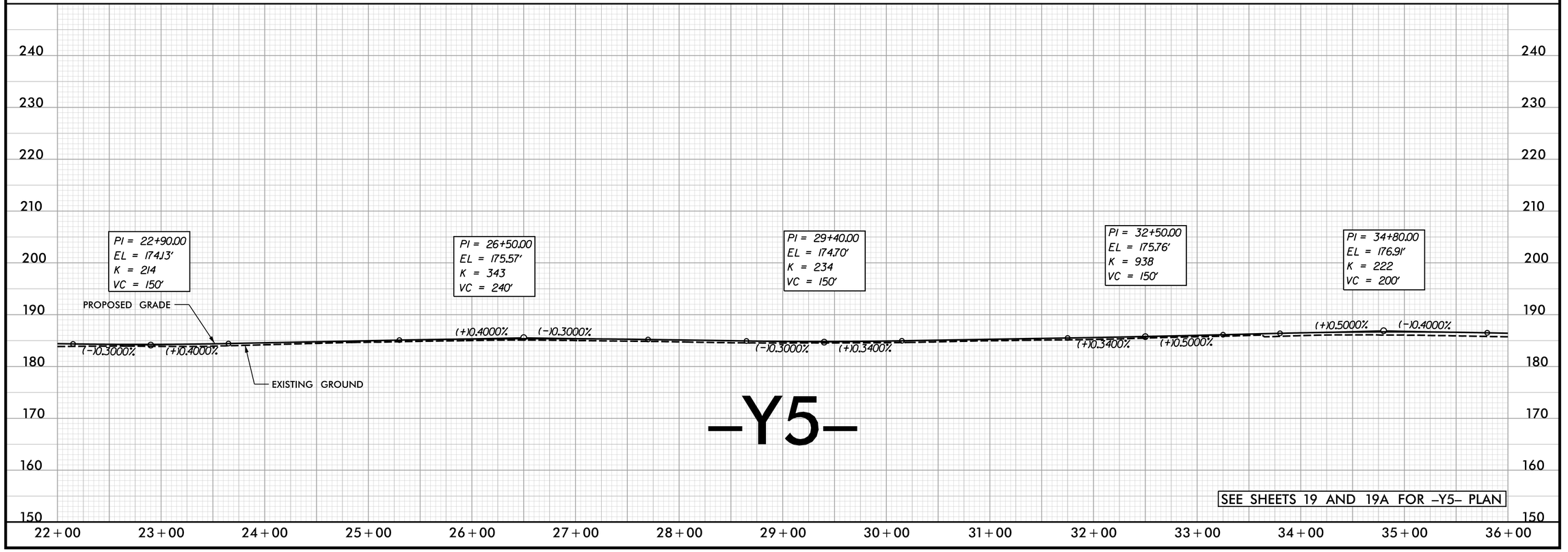
PROJECT REFERENCE NO.	SHEET NO.
U-3422B	26

ROADWAY DESIGN ENGINEER
NORTH CAROLINA PROFESSIONAL SEAL 042677 ENGINEER ALEXANDER D. SNIDER
11/3/2026

HYDRAULICS ENGINEER
NORTH CAROLINA PROFESSIONAL SEAL 042084 ENGINEER JOSHUA J. MASSEY
11/3/2026

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED





PLOT DRIVER: NCDOT_pdf_color-eng-50.plt
USER: ASNIDER
FILE: \
PENTABLE: U3422_pshpfl.tbl
DATE: 6/3/2026
TIME: 9:14:50 AM

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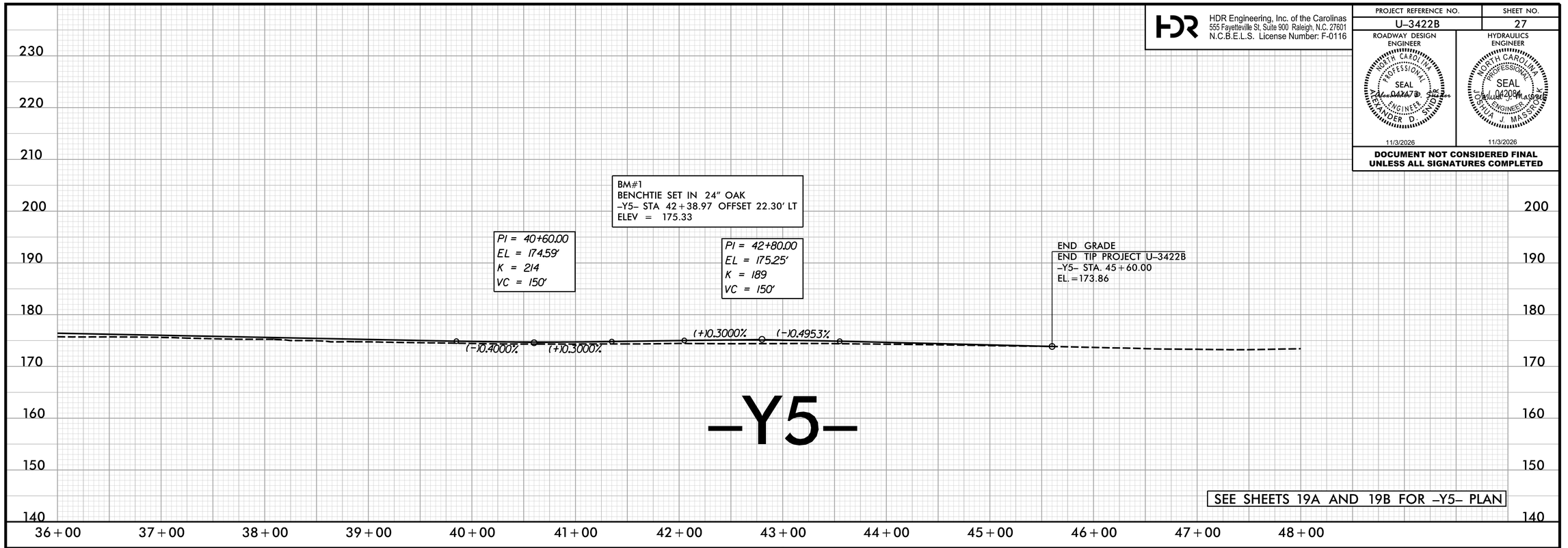
HDR Engineering, Inc. of the Carolinas
555 Fayetteville St, Suite 900 Raleigh, N.C. 27601
N.C.B.E.L.S. License Number: F-0116

PROJECT REFERENCE NO.	SHEET NO.
U–3422B	27

ROADWAY DESIGN ENGINEER
NORTH CAROLINA PROFESSIONAL SEAL 042677 ENGINEER ALEXANDER D. SNIDER
11/3/2026

HYDRAULICS ENGINEER
NORTH CAROLINA PROFESSIONAL SEAL 042084 ENGINEER JOSHUA J. MASSEY
11/3/2026

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PLOT DRIVER: NCDOT_pdf_color-eng-50.plt
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PENTABLE: U3422_pshpfi.tbl
DATE: 6/3/2026
TIME: 9:14:52 AM

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BEGIN GRADE
BEGIN TIP PROJECT U-3422B
-D3- STA. 10+80.00
EL. =161.38

PI = 10+90.00
EL = 161.58'
K = 3
VC = 20'

PI = 11+40.00
EL = 166.58'
K = 3
VC = 20'

END GRADE
-D3- STA. 11+53.25
EL. =167.05

(+)2.0201%
(+)10.0000%
(+)3.5000%
PROPOSED GRADE
EXISTING GROUND

170
160
150
140
130
10+00
11+00
12+00
13+00

-D3-

FOR -D3- PLAN, SEE PLAN SHEET 17

BEGIN GRADE
BEGIN TIP PROJECT U-3422B
-D4- STA. 11+10.00
EL. =171.20

PI = 11+30.00
EL = 171.47'
K = 6
VC = 30'

PI = 11+60.00
EL = 173.30'
K = 8
VC = 40'

END GRADE
-D4- STA. 11+77.26
EL. =173.74

(+)1.3500%
(+)6.1093%
(+)2.5500%
PROPOSED GRADE
EXISTING GROUND

170
160
150
140
130
10+00
11+00
12+00
13+00

-D4-

FOR -D4- PLAN, SEE PLAN SHEET 14

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PROJECT REFERENCE NO.	SHEET NO.
U-3422B	28

ROADWAY DESIGN ENGINEER
SEAL 042084 ENGINEER ALEXANDER D. SNIDER
11/3/2026

HYDRAULICS ENGINEER
SEAL 042084 ENGINEER JOSHUA J. MASSEY
11/3/2026

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PLOT DRIVER: NCDOT_pdf_color_eng_50.plt
USER: ASNIDER
FILE: \
DATE: 9/23/2026
PENTABLE: U3422.pshpfl.tbl
TIME: 11:39:58 AM