

TIP PROJECT: I-6064/I-5879

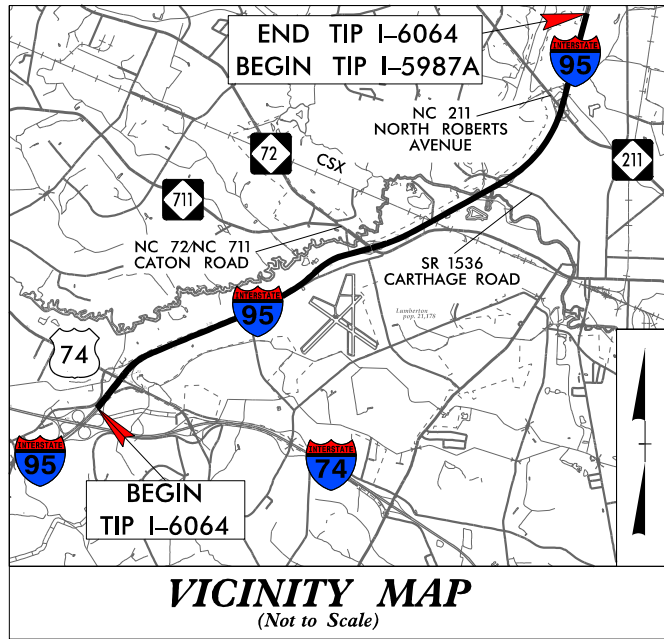
CONTRACT: C204596

STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

ROBESON COUNTY

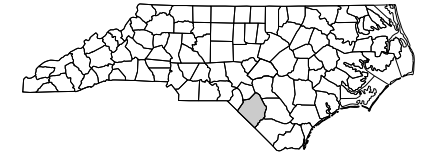
DRAFT I-6064I-5879:
NON-MERGER 30%
HYDRAULIC REVIEW
MEETING - (5-11-2022)

STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	I-6064I-5879	1	
STATE PROJ. NO.	F.A. PROJ. NO.	DESCRIPTION	
49067.3.1, 49067.3.2, & 49067.3.3	0095078 & 0095079	DESIGN-BUILD	

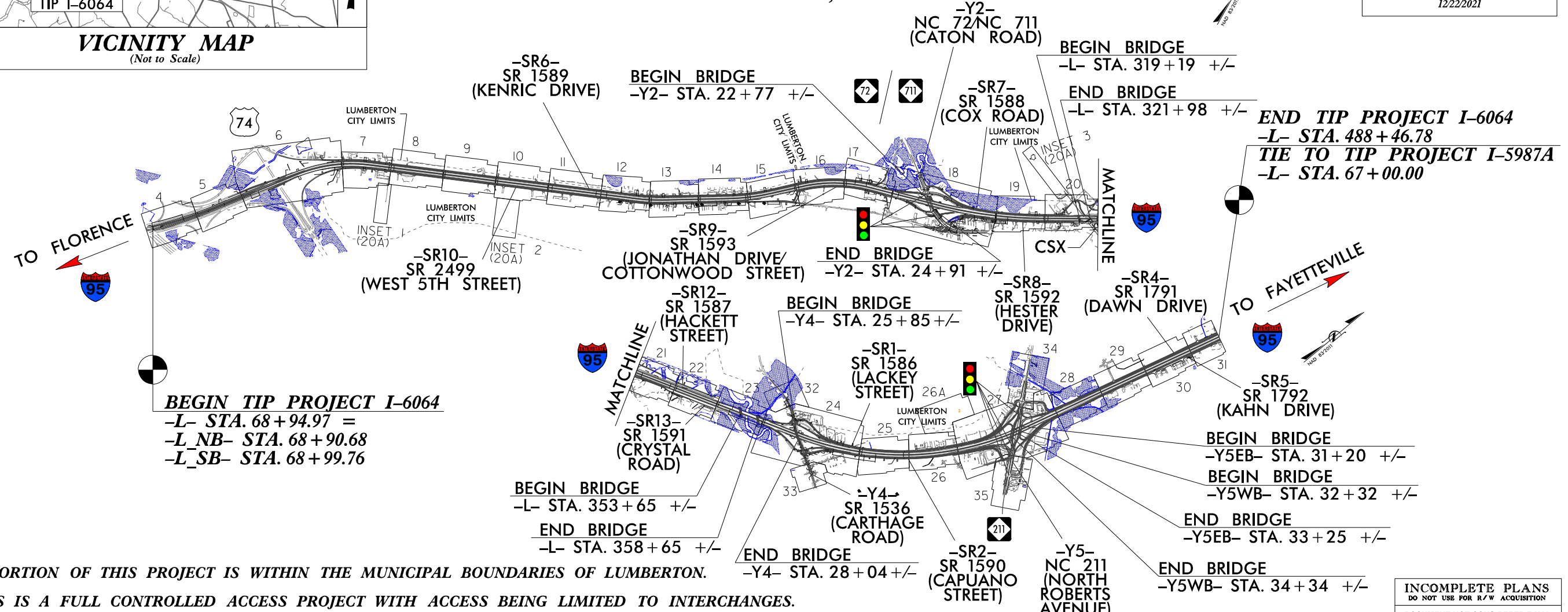


LOCATION: I-95 WIDENING AND PAVEMENT REHABILITATION FROM I-74 (EXIT 13) TO SOUTH OF US 301 (EXIT 22) AND I-95/SR 1536 INTERCHANGE IMPROVEMENTS

TYPE OF WORK: GRADING, PAVING, DRAINAGE, CULVERTS, STRUCTURES PAVEMENT MARKINGS, SIGNING, SIGNALS, ITS, NOISE WALLS, AND RETAINING WALLS

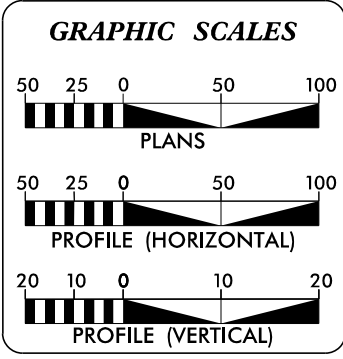


SUBMITTAL NO. D-008
PRELIMINARY ROADWAY PLANS
12/22/2021



A PORTION OF THIS PROJECT IS WITHIN THE MUNICIPAL BOUNDARIES OF LUMBERTON.
THIS IS A FULL CONTROLLED ACCESS PROJECT WITH ACCESS BEING LIMITED TO INTERCHANGES.
CLEARING AND GRUBBING ON THIS PROJECT WILL BE METHOD III.

INCOMPLETE PLANS
DO NOT USE FOR R/W ACQUISITION
DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED



DESIGN DATA

ADT 2021 =	71,800
ADT 2041 =	107,800
K =	6.5%
D =	60 %
T =	14 % *
V =	75 MPH
* TTST =	11% DUAL = 3%
FUNC CLASS =	INTERSTATE STATEWIDE TIER

PROJECT LENGTH

LENGTH ROADWAY TIP PROJECT I-6064	=	7.784 MILES
LENGTH STRUCTURE TIP PROJECT I-6064	=	0.161 MILES
TOTAL LENGTH TIP PROJECT I-6064	=	7.945 MILES

Prepared In the Office of:
ICE of CAROLINAS, PLLC
4600 Falls of Neuse Road, Suite 110
Raleigh, North Carolina 27609
Phone: 919-822-0333
License #: P-0999

2018 STANDARD SPECIFICATIONS

RIGHT OF WAY DATE:
9/21/2021

LETTING DATE:
9/21/2021

Prepared for:
NC DOT DIVISION OF HIGHWAYS
1800 Birch Ridge Dr., Raleigh, NC 27610

BRIAN LUSK, PE
PROJECT ENGINEER

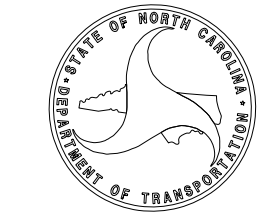
DAN DUFFIELD, PE
NCDOT CONTACT

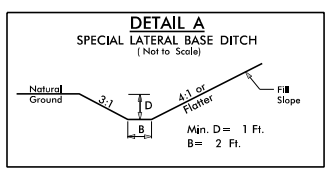
HYDRAULICS ENGINEER

SIGNATURE: _____ P.E.

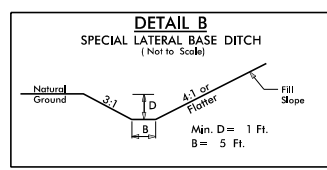
ROADWAY DESIGN ENGINEER

SIGNATURE: _____ P.E.

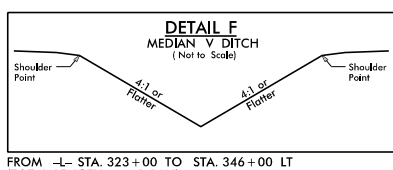




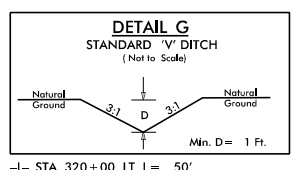
- FROM -L- STA. 105+00 TO STA. 119+00 RT
- FROM -L- STA. 105+00 TO STA. 108+30 LT
- FROM -L- STA. 117+00 TO STA. 120+80 RT
- FROM -L- STA. 119+00 TO STA. 120+80 LT
- FROM -L- STA. 122+50 TO STA. 126+00 LT
- FROM -L- STA. 128+00 TO STA. 130+20 LT
- FROM -L- STA. 128+20 TO STA. 130+80 RT
- FROM -L- STA. 133+00 TO STA. 135+00 RT
- FROM -L- STA. 140+80 TO STA. 144+00 RT
- FROM -L- STA. 141+00 TO STA. 154+20 LT
- FROM -L- STA. 173+10 TO STA. 183+00 RT
- FROM -L- STA. 174+00 TO STA. 178+50 LT
- FROM -L- STA. 188+50 TO STA. 190+10 RT
- FROM -L- STA. 190+50 TO STA. 193+00 RT
- FROM -L- STA. 199+00 TO STA. 208+50 RT
- FROM -L- STA. 200+80 TO STA. 203+00 LT
- FROM -L- STA. 212+00 TO STA. 221+50 LT
- FROM -L- STA. 216+00 TO STA. 222+00 RT
- FROM -L- STA. 222+50 TO STA. 226+00 RT
- FROM -L- STA. 232+00 TO STA. 236+00 RT
- FROM -L- STA. 234+00 TO STA. 236+00 RT
- FROM -L- STA. 236+00 TO STA. 243+00 RT
- FROM -L- STA. 236+50 TO STA. 241+50 RT
- FROM -L- STA. 250+00 TO STA. 254+00 LT
- FROM -L- STA. 250+50 TO STA. 267+50 RT
- FROM -L- STA. 254+80 TO STA. 259+00 LT
- FROM -L- STA. 264+00 TO STA. 266+00 LT
- FROM -L- STA. 268+00 TO STA. 270+00 RT
- FROM -L- STA. 270+00 TO STA. 278+50 RT
- FROM -L- STA. 281+50 TO STA. 284+00 RT
- FROM -L- STA. 299+00 TO STA. 300+15 LT
- FROM -L- STA. 299+00 TO STA. 301+20 RT
- FROM -L- STA. 305+00 TO STA. 312+50 RT
- FROM -L- STA. 313+00 TO STA. 318+00 LT
- FROM -L- STA. 316+00 TO STA. 317+00 LT
- FROM -L- STA. 322+00 TO STA. 327+00 LT
- FROM -L- STA. 331+00 TO STA. 332+00 LT
- FROM -L- STA. 335+00 TO STA. 336+50 RT
- FROM -L- STA. 336+00 TO STA. 340+00 LT
- FROM -L- STA. 343+00 TO STA. 344+00 LT
- FROM -L- STA. 346+00 TO STA. 347+80 LT
- FROM -L- STA. 366+00 TO STA. 367+40 RT
- FROM -L- STA. 366+00 TO STA. 367+50 RT
- FROM -L- STA. 372+50 TO STA. 375+00 RT
- FROM -L- STA. 373+00 TO STA. 375+00 LT
- FROM -L- STA. 375+50 TO STA. 376+50 LT
- FROM -L- STA. 386+50 TO STA. 391+00 RT
- FROM -L- STA. 387+00 TO STA. 391+50 LT
- FROM -L- STA. 391+00 TO STA. 399+50 RT
- FROM -SR04- STA. 59+59 TO STA. 61+16 LT
- FROM -SR04- STA. 62+30 TO STA. 65+33 LT
- (TOTAL LENGTH = 21,865')



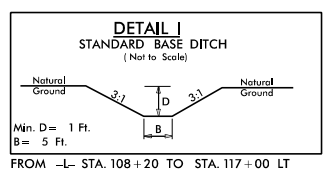
- FROM -L- STA. 126+50 TO STA. 128+00 LT
- FROM -L- STA. 134+00 TO STA. 135+00 LT
- FROM -L- STA. 121+00 TO STA. 122+50 LT
- FROM -L- STA. 121+00 TO STA. 127+00 RT
- FROM -L- STA. 135+00 TO STA. 141+00 LT
- FROM -L- STA. 135+00 TO STA. 140+80 RT
- FROM -L- STA. 149+00 TO STA. 172+20 RT
- FROM -L- STA. 154+50 TO STA. 173+20 LT
- FROM -L- STA. 184+00 TO STA. 199+00 LT
- FROM -L- STA. 194+00 TO STA. 198+80 RT
- FROM -L- STA. 208+00 TO STA. 212+00 RT
- FROM -L- STA. 225+30 TO STA. 235+80 LT
- FROM -L- STA. 236+00 TO STA. 243+00 RT
- FROM -L- STA. 237+00 TO STA. 250+00 LT
- FROM -L- STA. 259+00 TO STA. 265+00 LT
- FROM -L- STA. 303+00 TO STA. 312+00 LT
- (TOTAL LENGTH = 13,300')



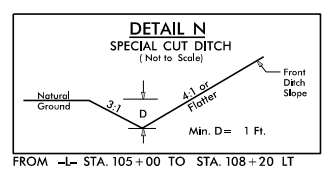
- FROM -L- STA. 323+00 TO STA. 346+00 LT
- (TOTAL LENGTH = 2,300')



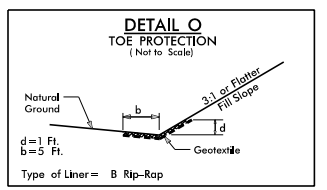
- L- STA. 320+00 LT, L= 50'
- SR04- STA. 20+18 LT, L= 24'



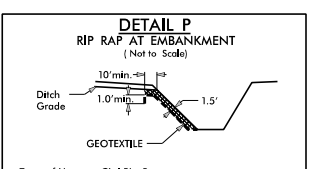
- FROM -L- STA. 108+20 TO STA. 117+00 LT
- FROM -L- STA. 108+00 TO STA. 109+00 LT
- FROM -L- STA. 111+00 TO STA. 112+00 LT
- L- STA. 128+00 LT, L= 50'
- L- STA. 266+50 LT, L= 77'
- (TOTAL LENGTH = 1,207')



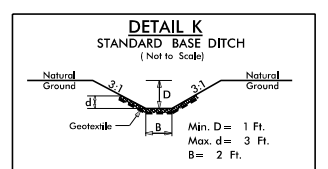
- FROM -L- STA. 105+00 TO STA. 108+20 LT
- FROM -L- STA. 333+20 TO STA. 336+00 RT
- FROM -SR01- STA. 42+00 TO STA. 47+35 LT
- FROM -SR02- STA. 38+70 TO STA. 44+43 RT
- FROM -L- STA. 422+00 TO STA. 423+00 RT
- FROM -L- STA. 425+00 TO STA. 427+42 LT
- FROM -YSRPC- STA. 18+50 TO STA. 23+13 RT
- FROM -SR04- STA. 16+54 TO STA. 19+27 LT
- FROM -SR04- STA. 23+44 TO STA. 26+71 LT
- FROM -SR04- STA. 38+00 TO STA. 42+39 LT
- FROM -SR04- STA. 47+66 TO STA. 50+75 LT
- FROM -SR04- STA. 54+00 TO STA. 59+59 LT
- FROM -SR05- STA. 24+50 TO STA. 29+50 RT
- FROM -SR05- STA. 30+50 TO STA. 33+00 RT
- FROM -SR05- STA. 33+00 TO STA. 36+38 RT
- FROM -SR05- STA. 40+50 TO STA. 46+00 RT
- FROM -SR05- STA. 54+50 TO STA. 59+50 RT
- FROM -SR05- STA. 77+15 TO STA. 79+40 RT
- (TOTAL LENGTH = 6583')



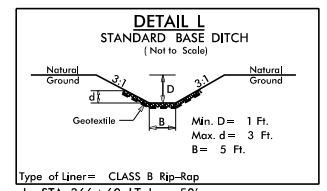
- FROM -L- STA. 102+00 TO STA. 103+50 RT
- FROM -L- STA. 300+00 TO STA. 303+00 LT
- FROM -L- STA. 343+00 TO STA. 346+00 LT
- FROM -L- STA. 448+62 TO STA. 450+81 LT
- FROM -L- STA. 450+93 TO STA. 454+08 LT
- (TOTAL LENGTH = 1,284')



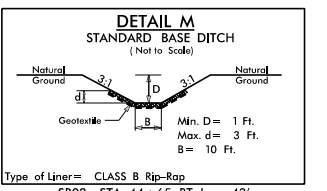
- Type of Liner = CLASS I Rip-Rap
- STA. 106+00 -L- LT



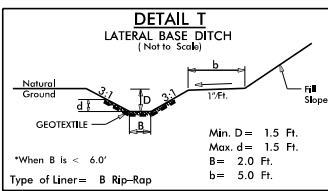
- Type of Liner = CLASS B Rip-Rap
- L- STA. 282+70 RT, L= 100'



- Type of Liner = CLASS B Rip-Rap
- L- STA. 366+60 LT, L= 50'



- Type of Liner = CLASS B Rip-Rap
- SR02- STA. 44+65 RT, L= 43'
- SR04- STA. 64+35 LT, L= 248'



- When B is < 6.0'
- Min. D = 1.5 Ft.
- Max. d = 1.5 Ft.
- B = 2.0 Ft.
- b = 5.0 Ft.
- Type of Liner = B Rip-Rap
- FROM -L- STA. 369+00 TO STA. 371+00 LT
- (TOTAL LENGTH = 200')

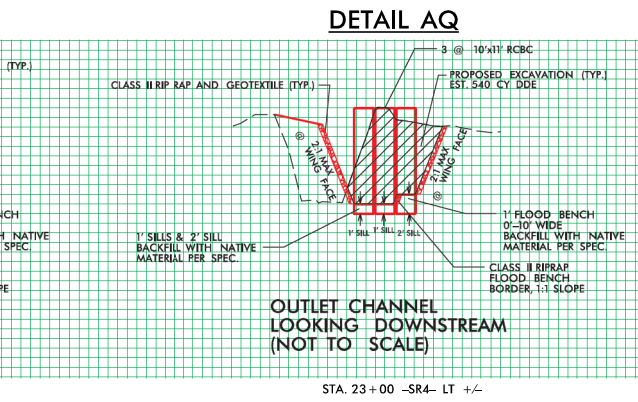
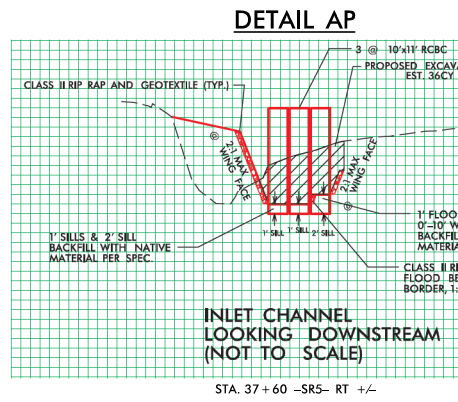
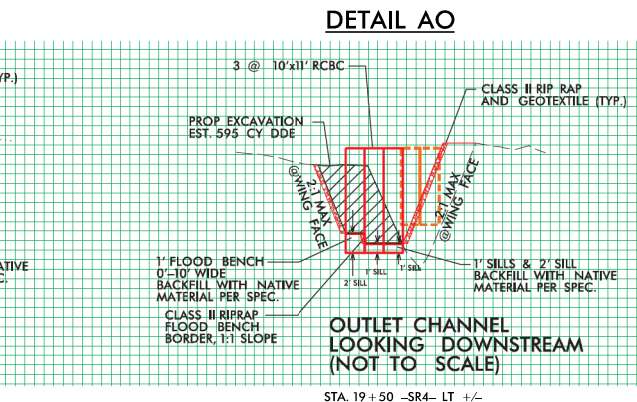
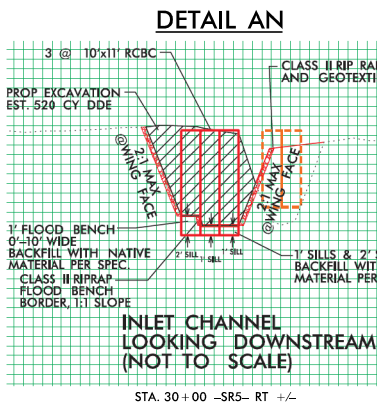
DETAIL W: FALSE SUMP (Not to Scale)

Median Ditch

S = Ditch Slope G = Proposed Ditch

Ditch Grade	L	Ditch Grade	L
0.0% To 2.0%	20'	Over 4.0% To 6.0%	40'
Over 2.0% To 4.0%	30'	Over 6.0%	50'

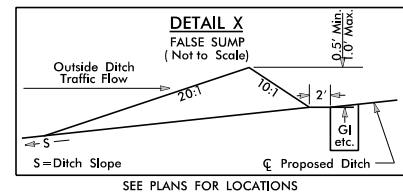
SEE PLANS FOR LOCATIONS



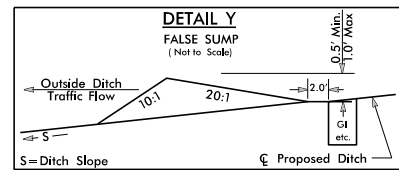
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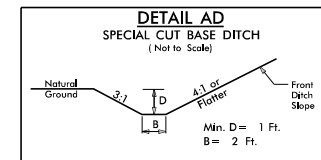
PRELIMINARY PROPOSAL:
DO NOT USE FOR CONSTRUCTION



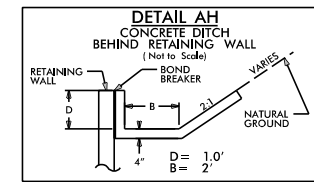
SEE PLANS FOR LOCATIONS



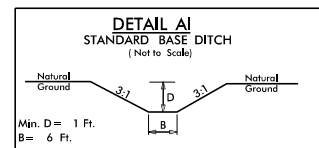
SEE PLANS FOR LOCATIONS



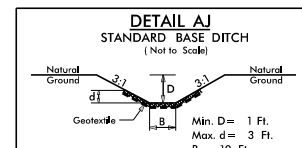
FROM -L- STA. 311+00 TO STA. 314+00 RT
 FROM -L- STA. 320+00 TO STA. 323+50 LT
 FROM -L- STA. 315+00 TO STA. 315+50 LT
 FROM -L- STA. 323+00 TO STA. 326+70 RT
 FROM -L- STA. 327+50 TO STA. 330+00 RT
 FROM -L- STA. 366+00 TO STA. 371+50 RT
 FROM -L- STA. 382+50 TO STA. 387+00 LT
 FROM -L- STA. 383+00 TO STA. 386+50 RT
 FROM -L- STA. 392+00 TO STA. 399+50 LT
 (TOTAL LENGTH = 3,420')



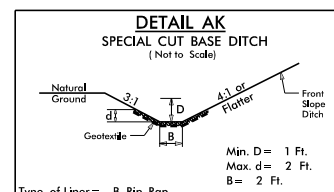
FROM -L- STA. 313+00 TO STA. 315+30 LT
 FROM -L- STA. 426+70 TO STA. 430+70 RT



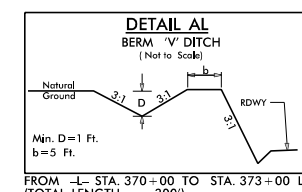
-L- STA. 317+50 LT, L = 1174'



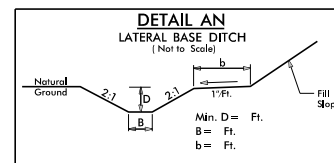
Type of Liner = CLASS 1 Rip-Rap
 -L- STA. 363+00 LT, L = 110'



Type of Liner = B Rip-Rap
 FROM -L- STA. 364+00 TO STA. 367+00 LT
 (TOTAL LENGTH = 300')



FROM -L- STA. 370+00 TO STA. 373+00 LT
 (TOTAL LENGTH = 300')



FROM STA. TO STA.

DETAIL AM RIP-RAPPED ENERGY DISSIPATOR BASIN

SECTION

HALF PLAN

NOTE A: IF EXIT VELOCITY OF BASIN IS SPECIFIED, EXTEND BASIN AS REQUIRED TO OBTAIN SUFFICIENT CROSS SECTIONAL AREA AT SECTION A-A SUCH THAT Q_{des} (CROSS SECTION AREA AT SEC. A-A) = SPECIFIED VELOCITY.

NOTE B: WARP BASIN TO CONFORM TO NATURAL STREAM CHANNEL. TOP OF RIP-RAP IN FLOOR OF BASIN SHOULD BE AT SAME ELEVATION OR LOWER THAN NATURAL CHANNEL BOTTOM AT SEC. A-A. PROVIDE SMOOTH TRANSITION FROM END OF APRON TO NATURAL CHANNEL WIDTH.

DIM	1	2	3	4	5	6	7	8
A								
B								
C								
D								
E								
F								
G								
H								

BASIN #	LOCATION (AT OUTLET)
1	-L- 364+00 LT
2	-L- 365+20 RT
3	
4	
5	
6	
7	
8	

*ALL DIMENSIONS APPROXIMATE IN FT

NOTE: W₀ = DIAMETER OF PIPE, WIDTH OF BOX OR SPAN OF PIPE-ARCH CULVERTS

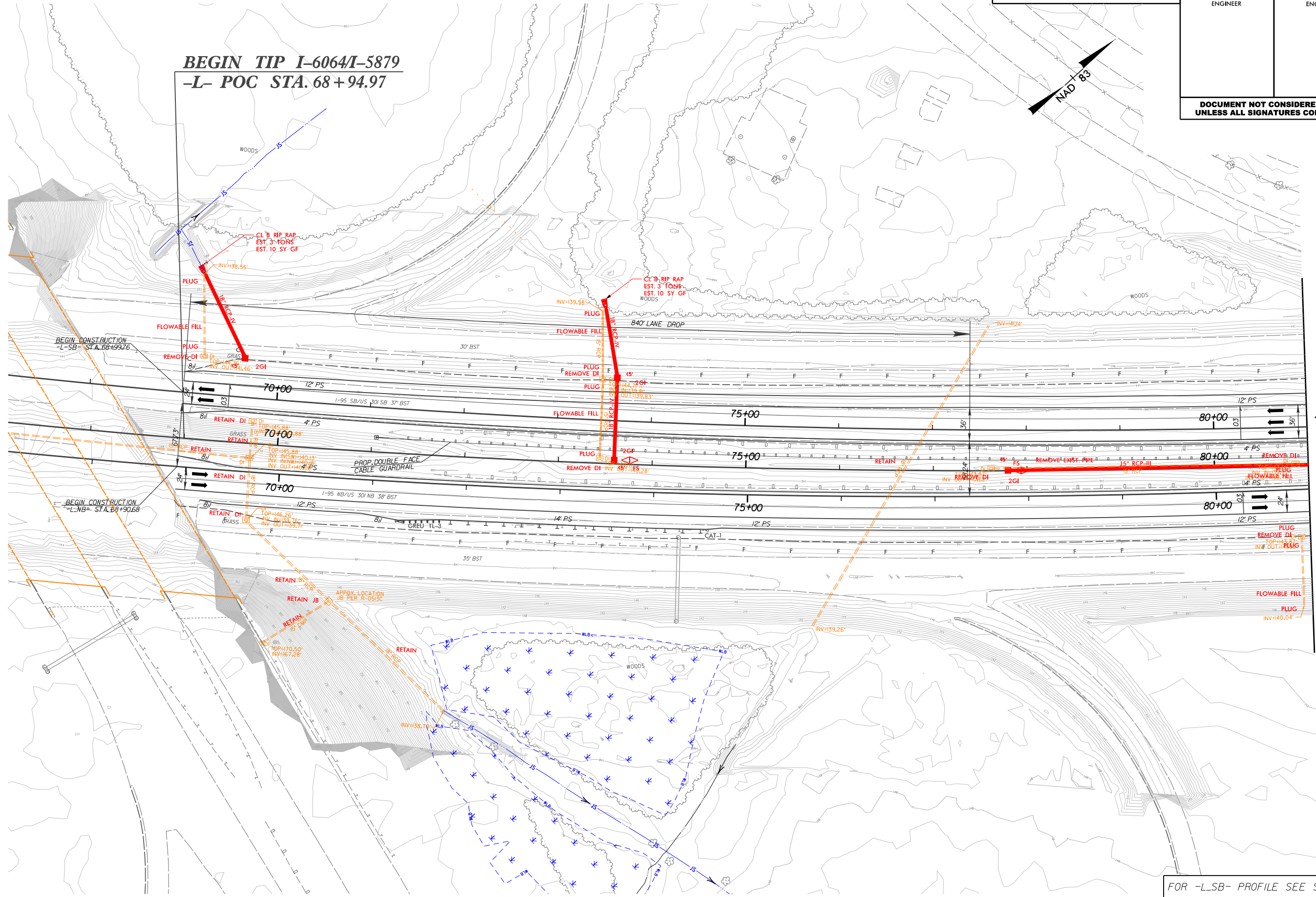
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 Filename: c:\bms\ice-eng-pw-01\dms\3645\I-6064_Hyd_De\alls.I-6064.dgn

PRELIMINARY PROPOSAL:
DO NOT USE FOR CONSTRUCTION



PROJECT REFERENCE NO. 1-6064/1-5879	SHEET NO. 4
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	

**BEGIN TIP I-6064/1-5879
-L- POC STA. 68+94.97**



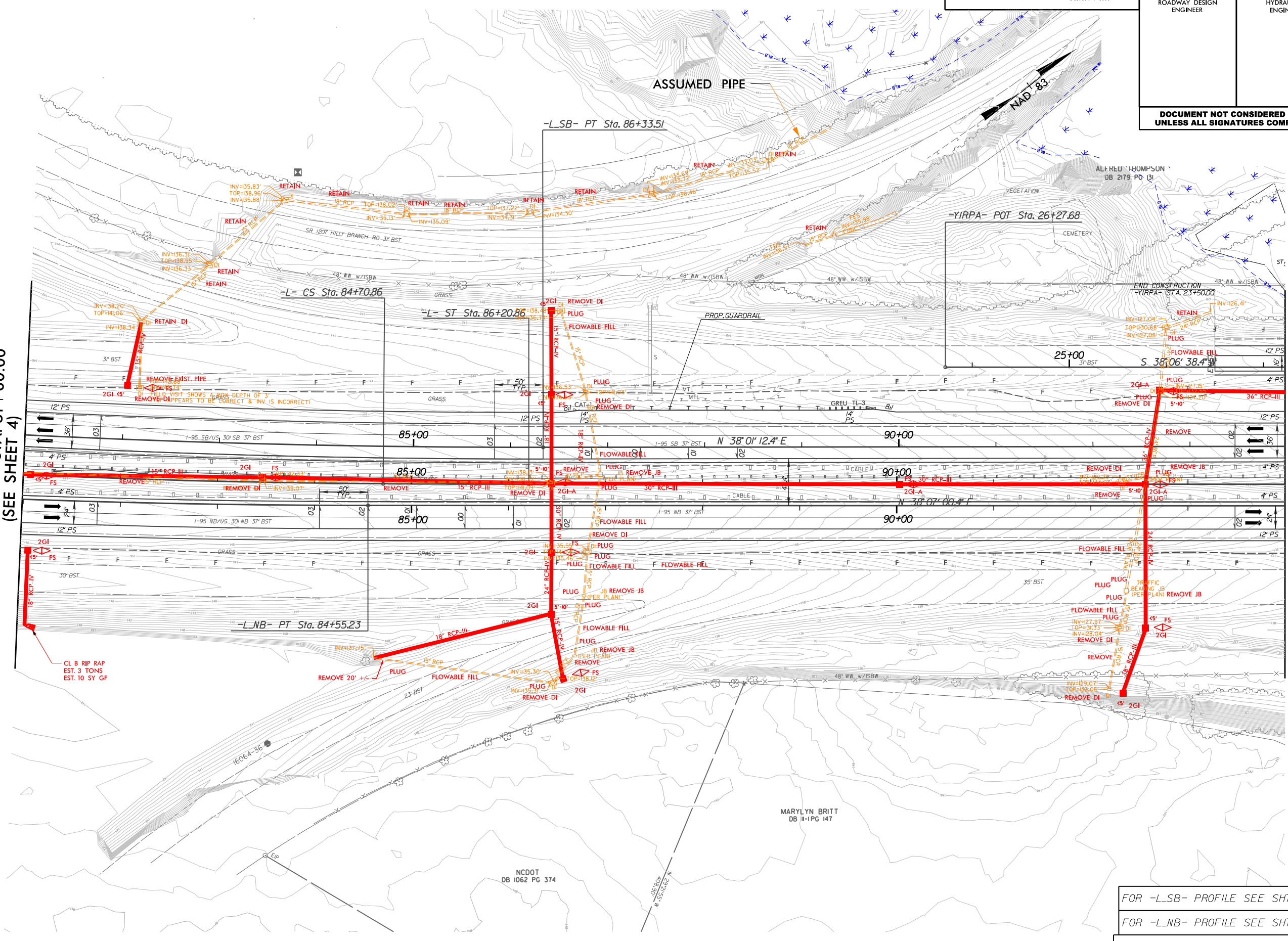
MATCHLINE -L- STA. 81 + 00.00
(SEE SHEET 5)

FOR -L-SB- PROFILE SEE SHT.36
 FOR -L-NB- PROFILE SEE SHT.36

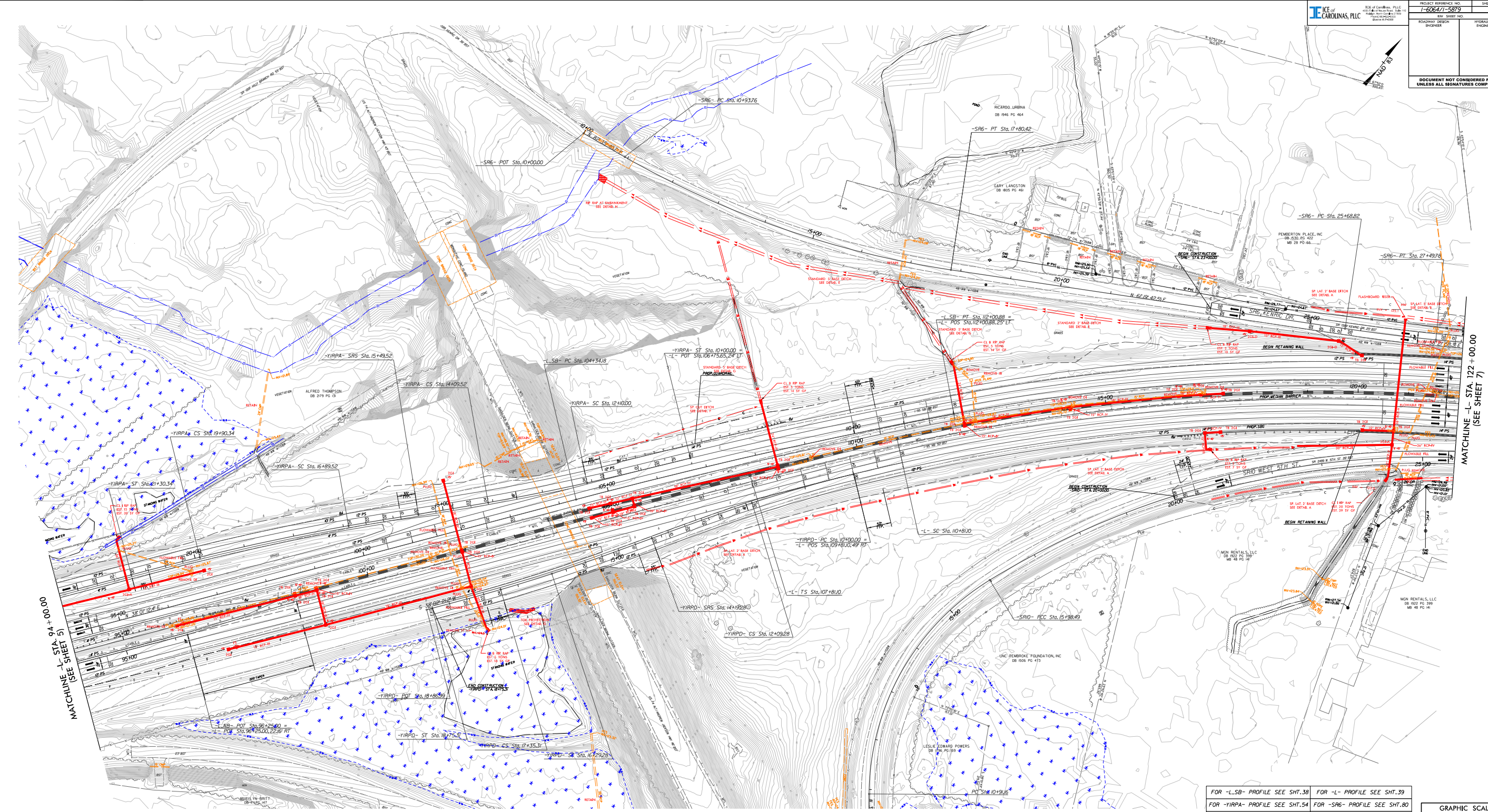
PROJECT REFERENCE NO. 1-6064/1-5879	SHEET NO. 5
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	

MATCHLINE -L- STA. 81 + 00.00
(SEE SHEET 4)

MATCHLINE -L- STA. 94 + 00.00
(SEE SHEET 6)



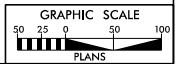
FOR -L-SB- PROFILE SEE SHT.37
 FOR -L-NB- PROFILE SEE SHT.37
 FOR -YIRPA- PROFILE SEE SHT.54



MATCHLINE - STA. 94+00.00
(SEE SHEET 5)

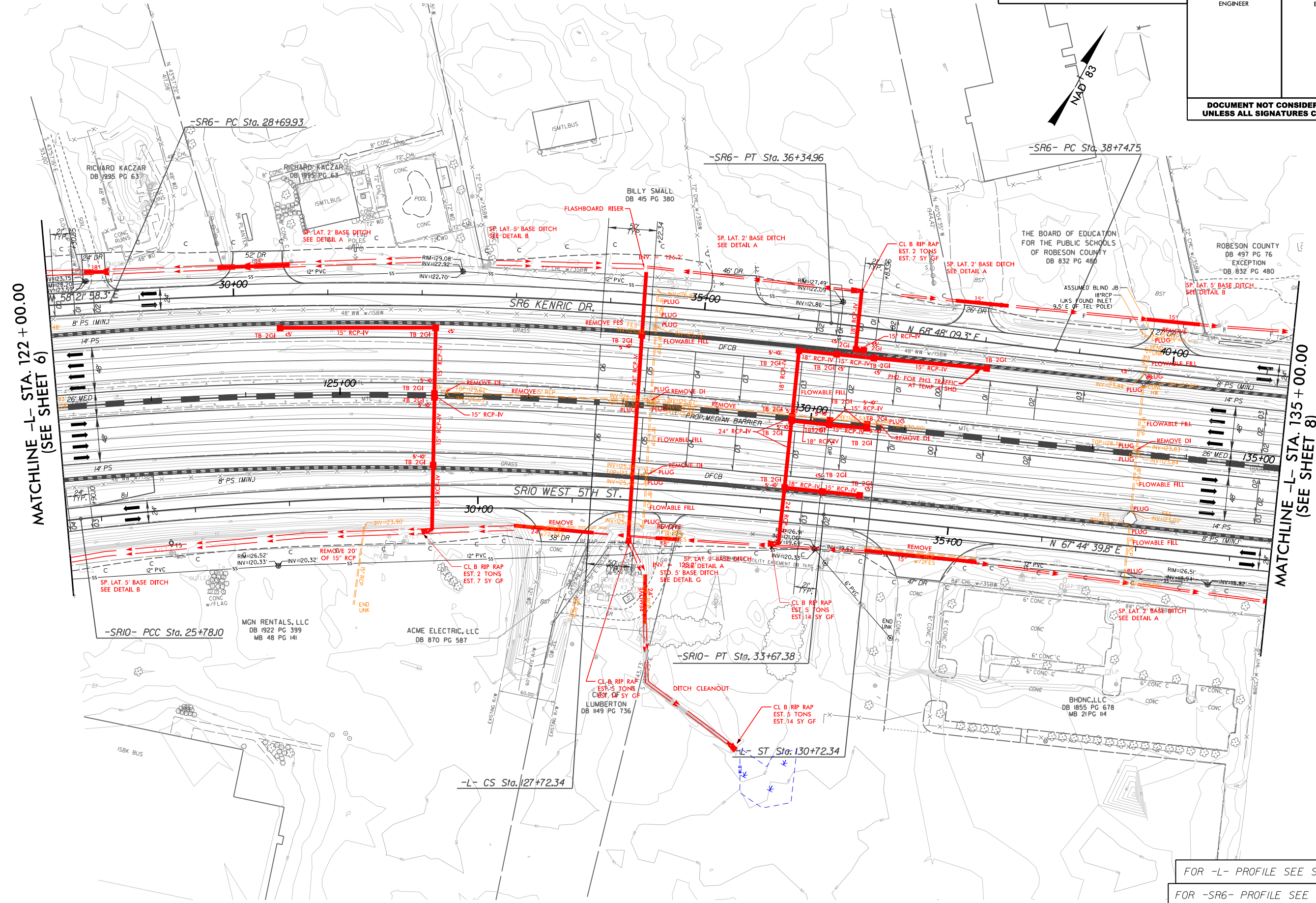
MATCHLINE - STA. 122+00.00
(SEE SHEET 7)

FOR -L-SB- PROFILE SEE SHT.38 FOR -L- PROFILE SEE SHT.39
 FOR -YIRPA- PROFILE SEE SHT.54 FOR -SR6- PROFILE SEE SHT.80
 FOR -YIRPD- PROFILE SEE SHT.54 FOR -SR10- PROFILE SEE SHT.90



DATE: 03/28/2024 11:47:11 AM BY: J. COOPER, P.E. PROJECT: 7-666471-5879

PROJECT REFERENCE NO. 1-6064/1-5879	SHEET NO. 7
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	



MATCHLINE -L- STA. 122 + 00.00
(SEE SHEET 6)

MATCHLINE -L- STA. 135 + 00.00
(SEE SHEET 8)

FOR -L- PROFILE SEE SHT.40
 FOR -SR6- PROFILE SEE SHT.80
 FOR -SR10- PROFILE SEE SHT.90

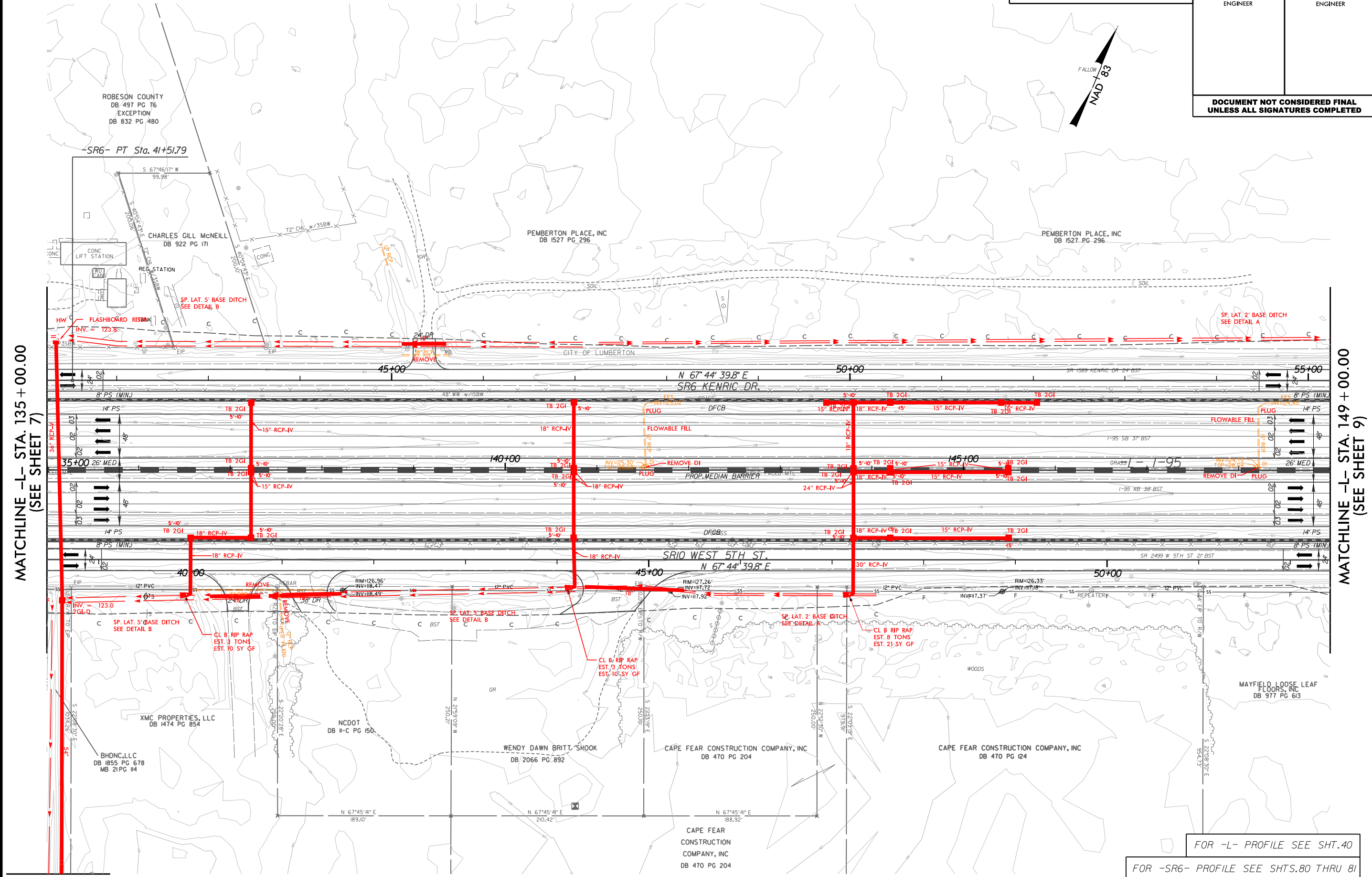
8/17/99
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8/17/99

ICE of CAROLINAS, PLLC

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4505 Falls of Neuse Road, Suite 110
Raleigh, North Carolina 27609
Phone: 803-822-0333
License #: P-0999

PROJECT REFERENCE NO. 1-6064/1-5879	SHEET NO. 8
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	



MATCHLINE -L- STA. 135 + 00.00
(SEE SHEET 7)

MATCHLINE -L- STA. 149 + 00.00
(SEE SHEET 9)

INSET 1 MATCHLINE
(SEE SHEET 20A)

FOR -L- PROFILE SEE SHT.40
 FOR -SR6- PROFILE SEE SHTS.80 THRU 81
 FOR -SR10- PROFILE SEE SHTS.90 THRU 91

7/24/23 PM
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8/17/99

ICE of CAROLINAS, PLLC

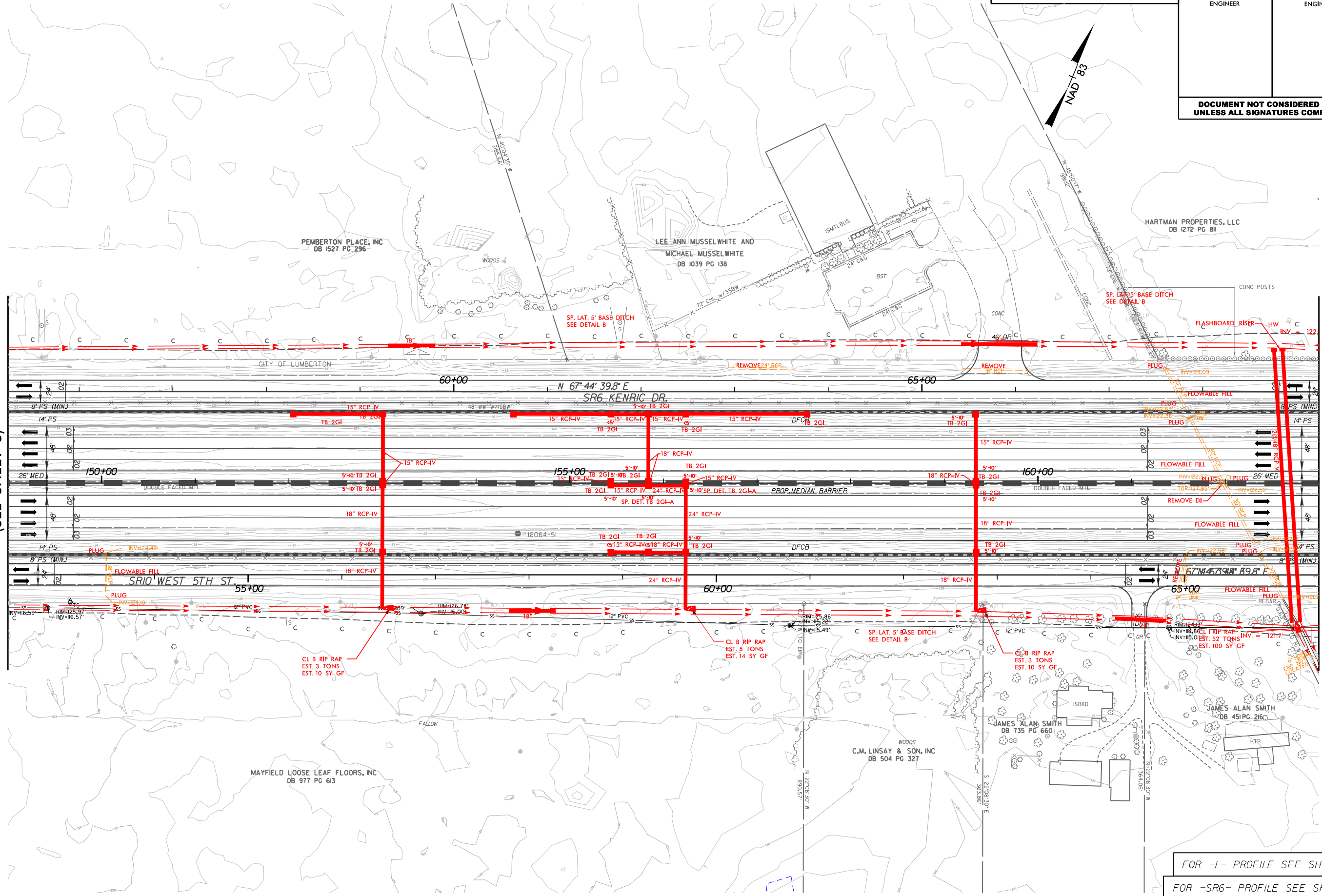
ICE of Carolinas, PLLC
4505 Falls of Neuse Road, Suite 110
Raleigh, North Carolina 27609
Phone: 803-822-0333
License #: P-0999

PROJECT REFERENCE NO. 1-6064/1-5879	SHEET NO. 9
RW SHEET NO.	HYDRAULICS ENGINEER
ROADWAY DESIGN ENGINEER	

**DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED**

MATCHLINE -L- STA. 149 + 00.00
(SEE SHEET 8)

MATCHLINE -L- STA. 163 + 00.00
(SEE SHEET 10)



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FOR -L- PROFILE SEE SHT.4I
 FOR -SR6- PROFILE SEE SHT.8I
 FOR -SR10- PROFILE SEE SHT.9I

8/17/99

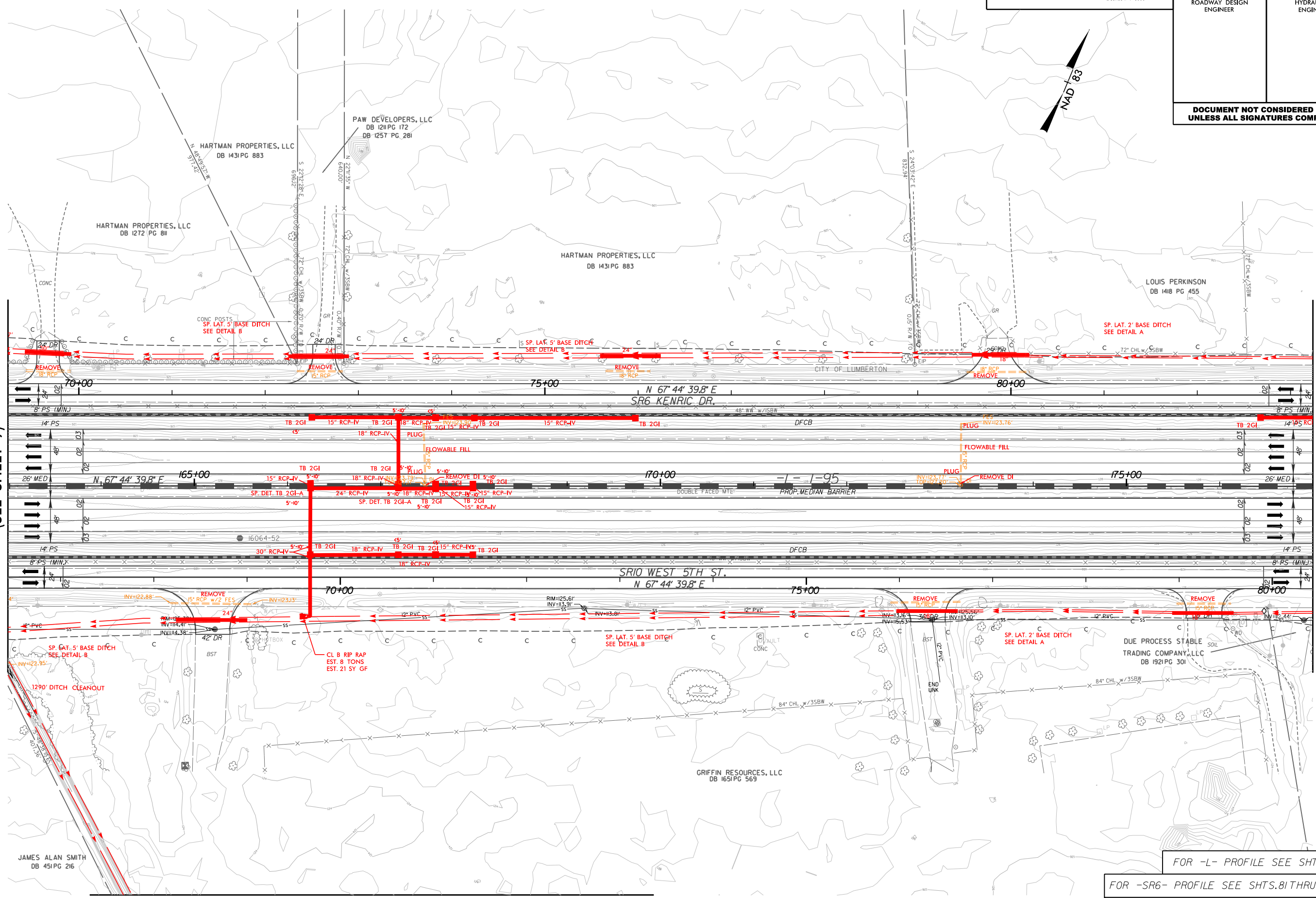
ICE of CAROLINAS, PLLC

ICE of Carolinas, PLLC
4505 Falls of Neuse Road, Suite 110
Raleigh, North Carolina 27609
Phone: 803-822-0333
License #: P-0999

PROJECT REFERENCE NO. 1-6064/1-5879	SHEET NO. 10
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	

MATCHLINE -L- STA. 163 + 00.00
(SEE SHEET 9)

MATCHLINE -L- STA. 177 + 00.00
(SEE SHEET 11)



INSET 2 MATCHLINE
(SEE SHEET 20A)

FOR -L- PROFILE SEE SHT. 41
 FOR -SR6- PROFILE SEE SHTS. 81 THRU 82
 FOR -SR10- PROFILE SEE SHTS. 91 THRU 92

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JAMES ALAN SMITH
DB 451 PG 216

DUE PROCESS STABLE
TRADING COMPANY, LLC
DB 1921 PG 301

GRIFFIN RESOURCES, LLC
DB 1651 PG 569

HARTMAN PROPERTIES, LLC
DB 1272 PG 811

HARTMAN PROPERTIES, LLC
DB 1431 PG 883

PAW DEVELOPERS, LLC
DB 1211 PG 172
DB 1257 PG 281

HARTMAN PROPERTIES, LLC
DB 1431 PG 883

LOUIS PERKINSON
DB 1418 PG 455

8/17/99

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ICE of Carolinas, PLLC
4505 Falls of Neuse Road, Suite 110
Raleigh, North Carolina 27609
Phone: 803-822-0333
License #: P-0999

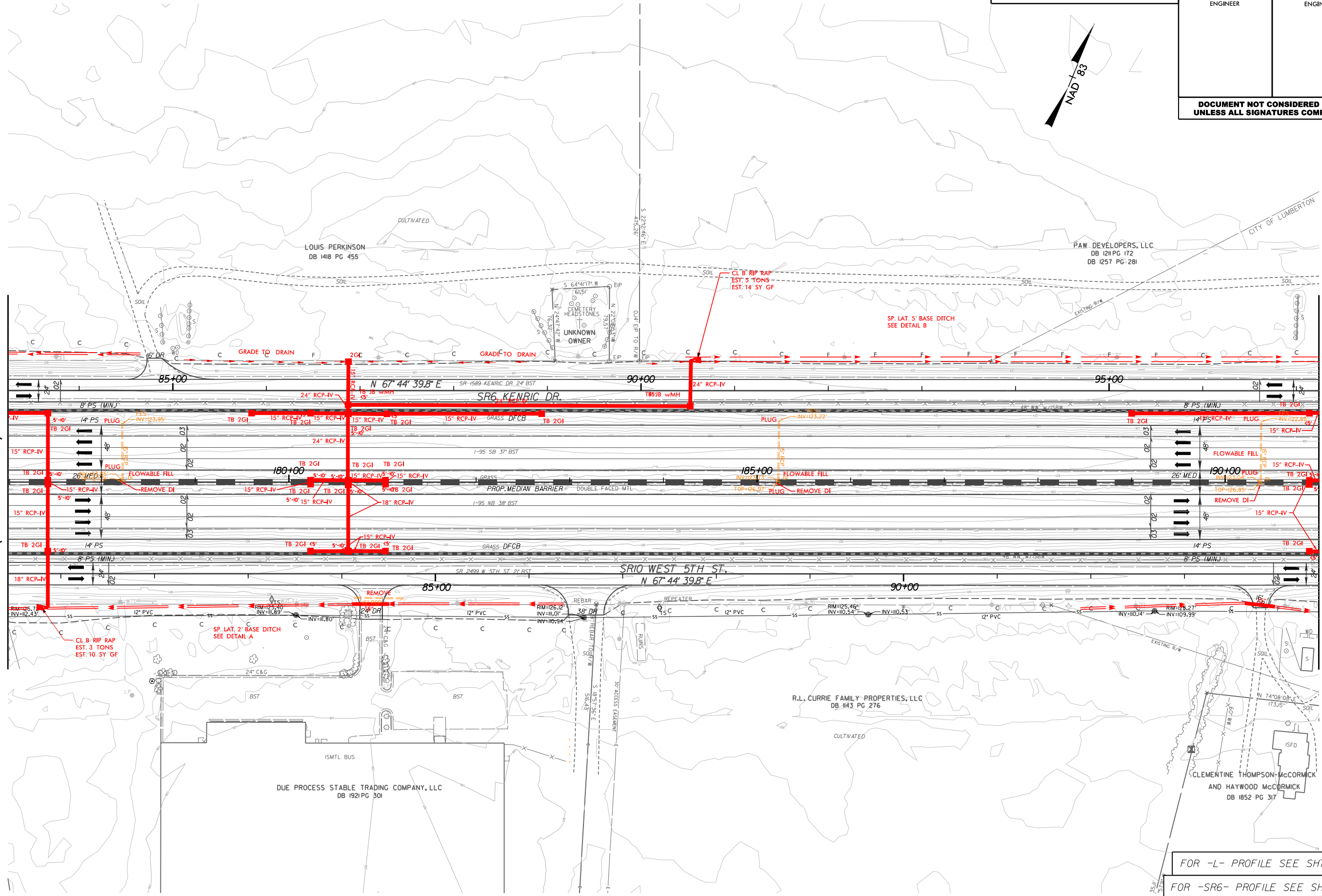
PROJECT REFERENCE NO. 1-6064/1-5879	SHEET NO. 11
RW SHEET NO.	HYDRAULICS ENGINEER
ROADWAY DESIGN ENGINEER	

**DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED**



MATCHLINE -L- STA. 177 + 00.00
(SEE SHEET 10)

MATCHLINE -L- STA. 191 + 00.00
(SEE SHEET 12)



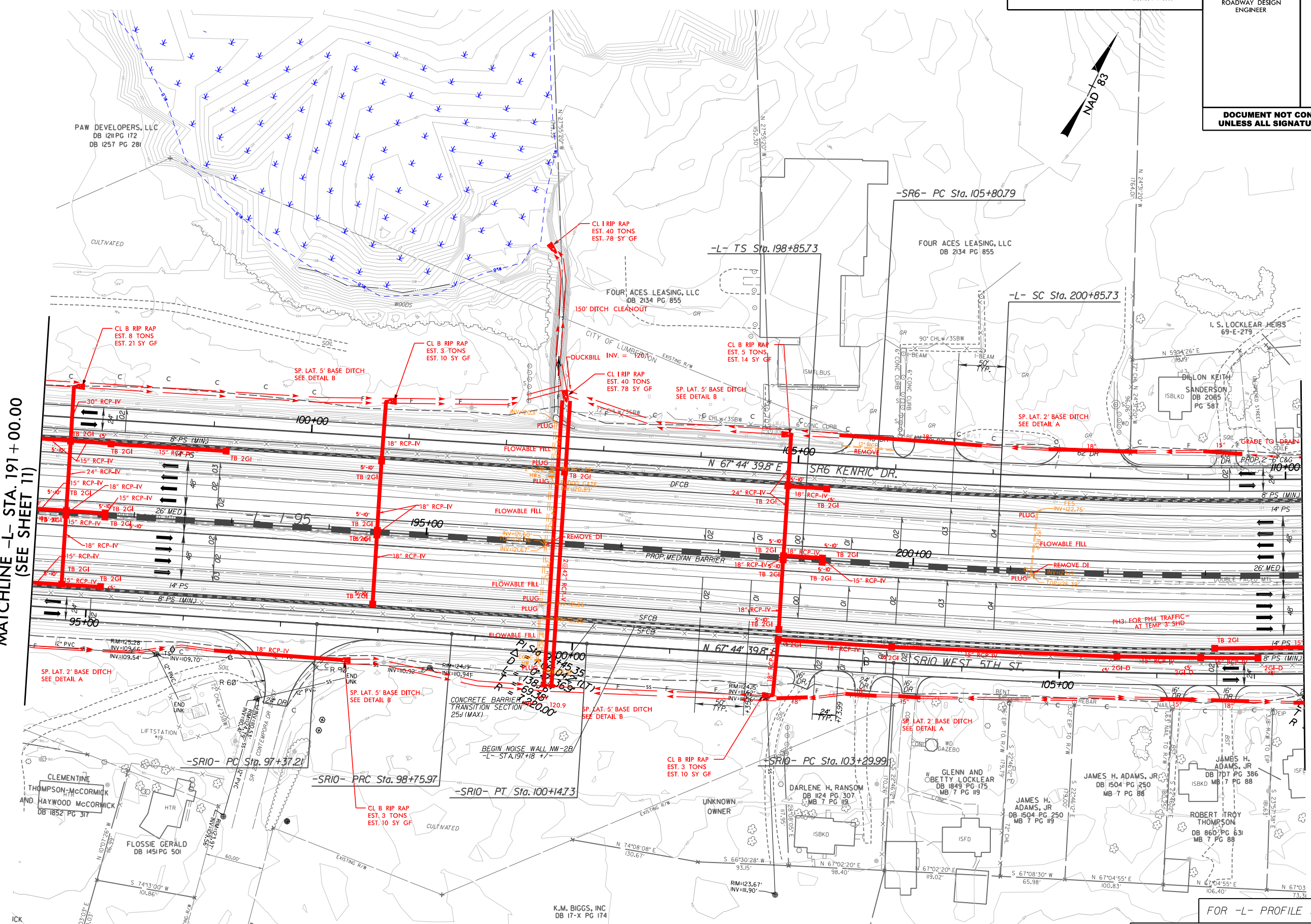
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FOR -L- PROFILE SEE SHT.42
 FOR -SR6- PROFILE SEE SHT.82
 FOR -SR10- PROFILE SEE SHT.92

PROJECT REFERENCE NO. 1-6064/1-5879	SHEET NO. 12
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	

MATCHLINE -L- STA. 191 + 00.00
(SEE SHEET 11)

MATCHLINE -L- STA. 204 + 00.00
(SEE SHEET 13)



FOR -L- PROFILE SEE SHT. 42

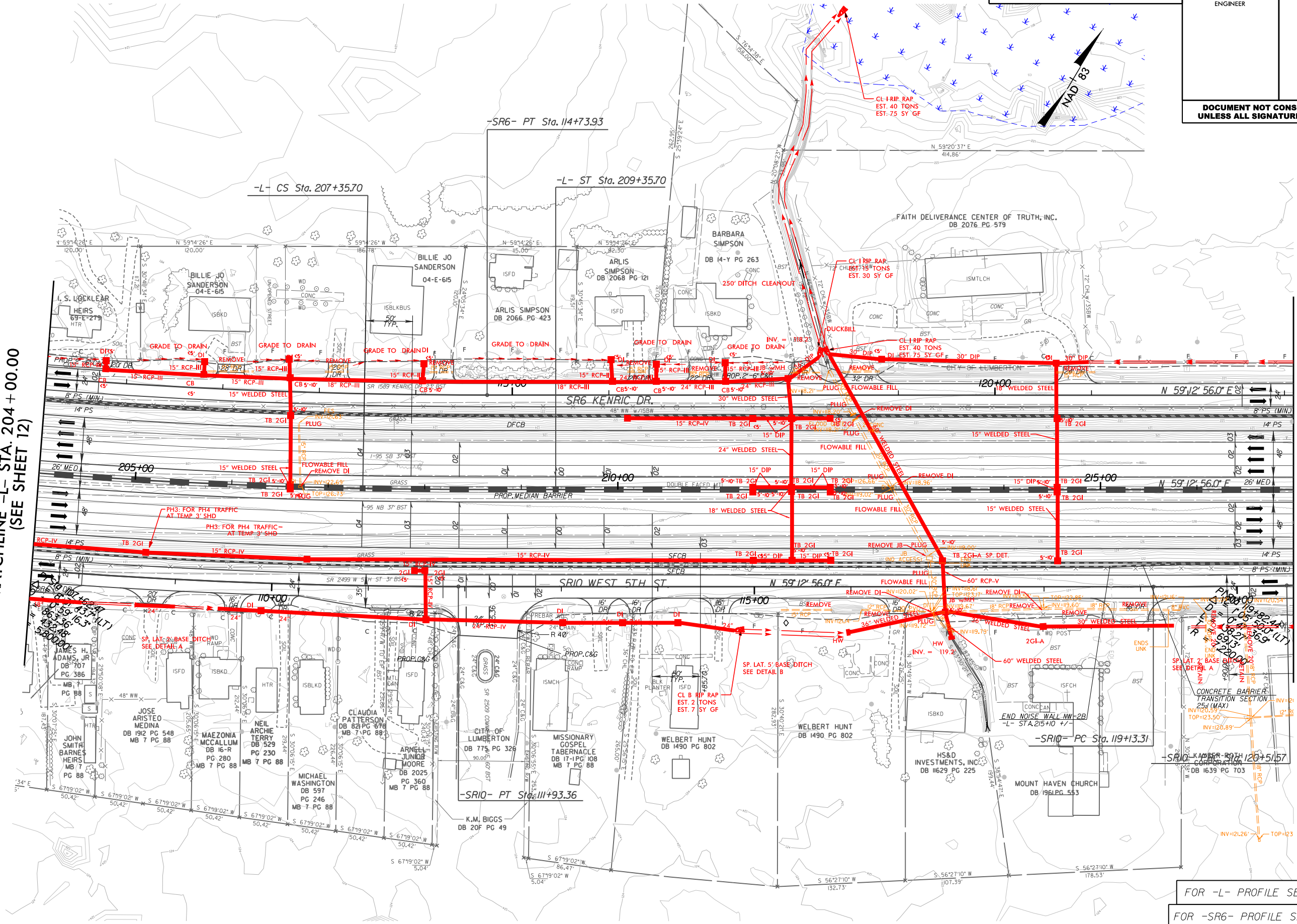
FOR -SR6- PROFILE SEE SHTS. 82 THRU 83

FOR -SR10- PROFILE SEE SHTS. 92 THRU 93

PROJECT REFERENCE NO. 1-6064/1-5879	SHEET NO. 13
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	

MATCHLINE -L- STA. 204 + 00.00
(SEE SHEET 12)

MATCHLINE -L- STA. 217 + 00.00
(SEE SHEET 14)



FOR -L- PROFILE SEE SHT.43
 FOR -SR6- PROFILE SEE SHT.83
 FOR -SR10- PROFILE SEE SHT.93

8/17/99

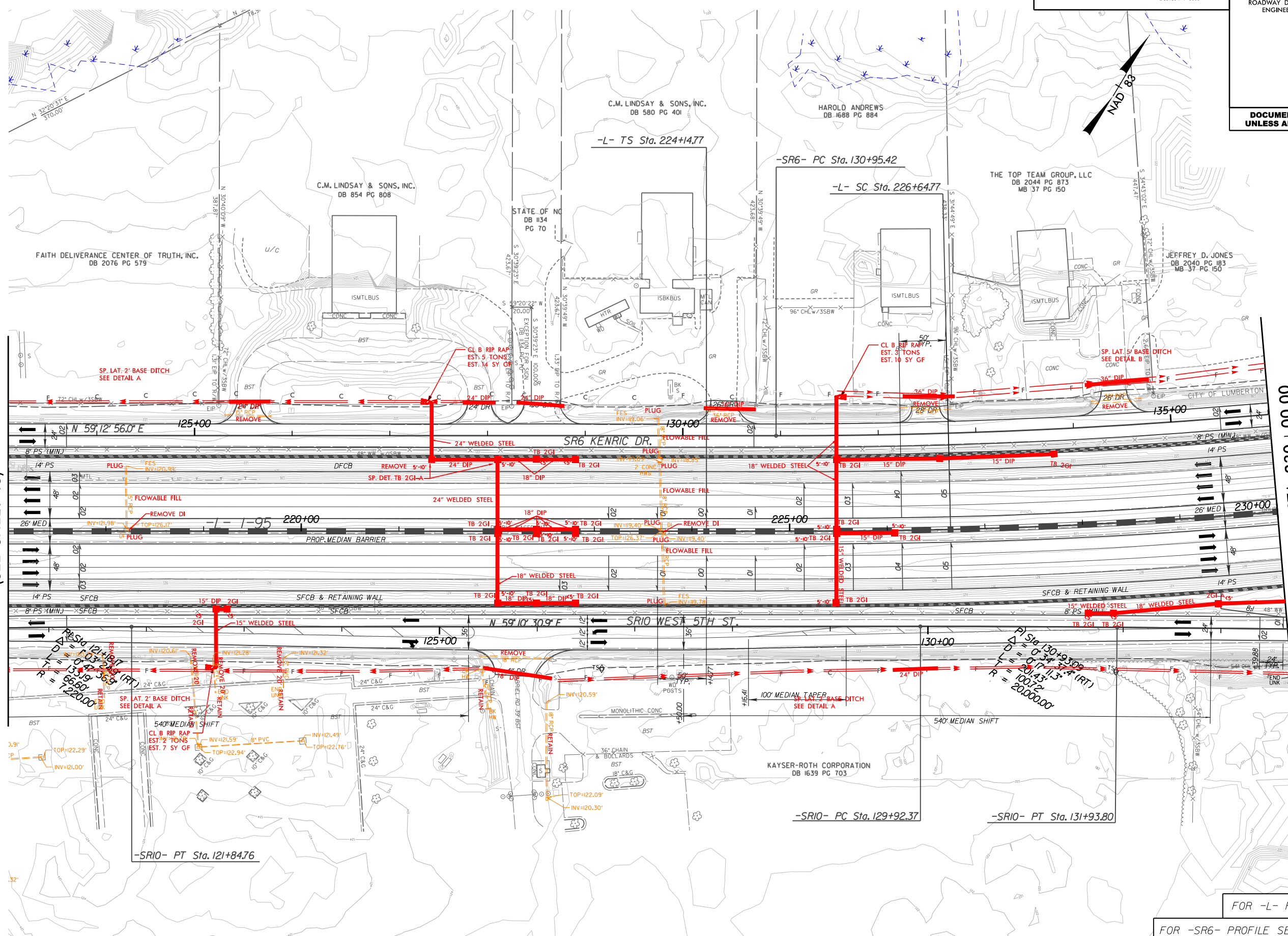
ICE of CAROLINAS, PLLC

ICE of Carolinas, PLLC
4505 Falls of Neuse Road, Suite 110
Raleigh, North Carolina 27609
Phone: 803-822-0333
License #: P-0999

PROJECT REFERENCE NO. 1-6064/1-5879	SHEET NO. 14
RW SHEET NO.	HYDRAULICS ENGINEER
ROADWAY DESIGN ENGINEER	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	

MATCHLINE -L- STA. 217 + 00.00
(SEE SHEET 13)

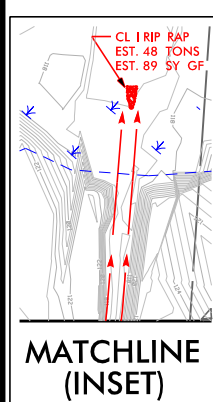
MATCHLINE -L- STA. 230 + 00.00
(SEE SHEET 15)



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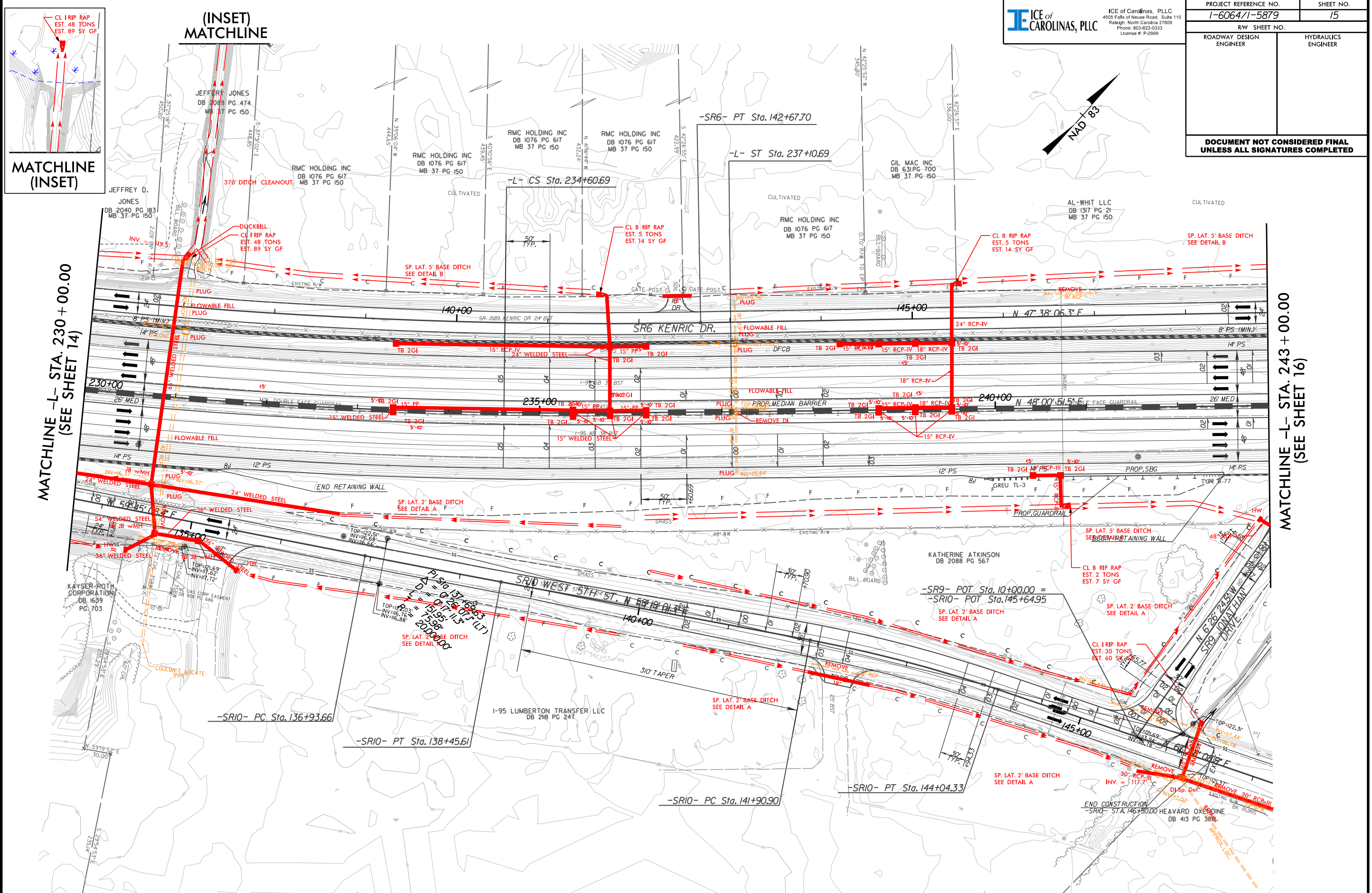
FOR -L- PROFILE SEE SHT.43
 FOR -SR6- PROFILE SEE SHTS.83 THRU 84
 FOR -SR10- PROFILE SEE SHTS.93 THRU 94

PROJECT REFERENCE NO. 1-6064/1-5879	SHEET NO. 15
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	



MATCHLINE -L- STA. 230 + 00.00
(SEE SHEET 14)

MATCHLINE -L- STA. 243 + 00.00
(SEE SHEET 16)



FOR -L- PROFILE SEE SHT.44	FOR -SR10- PROFILE SEE SHT.94
FOR -SR6- PROFILE SEE SHT.84	FOR -SR9- PROFILE SEE SHT.89

8/17/99
 12:36:27 PM
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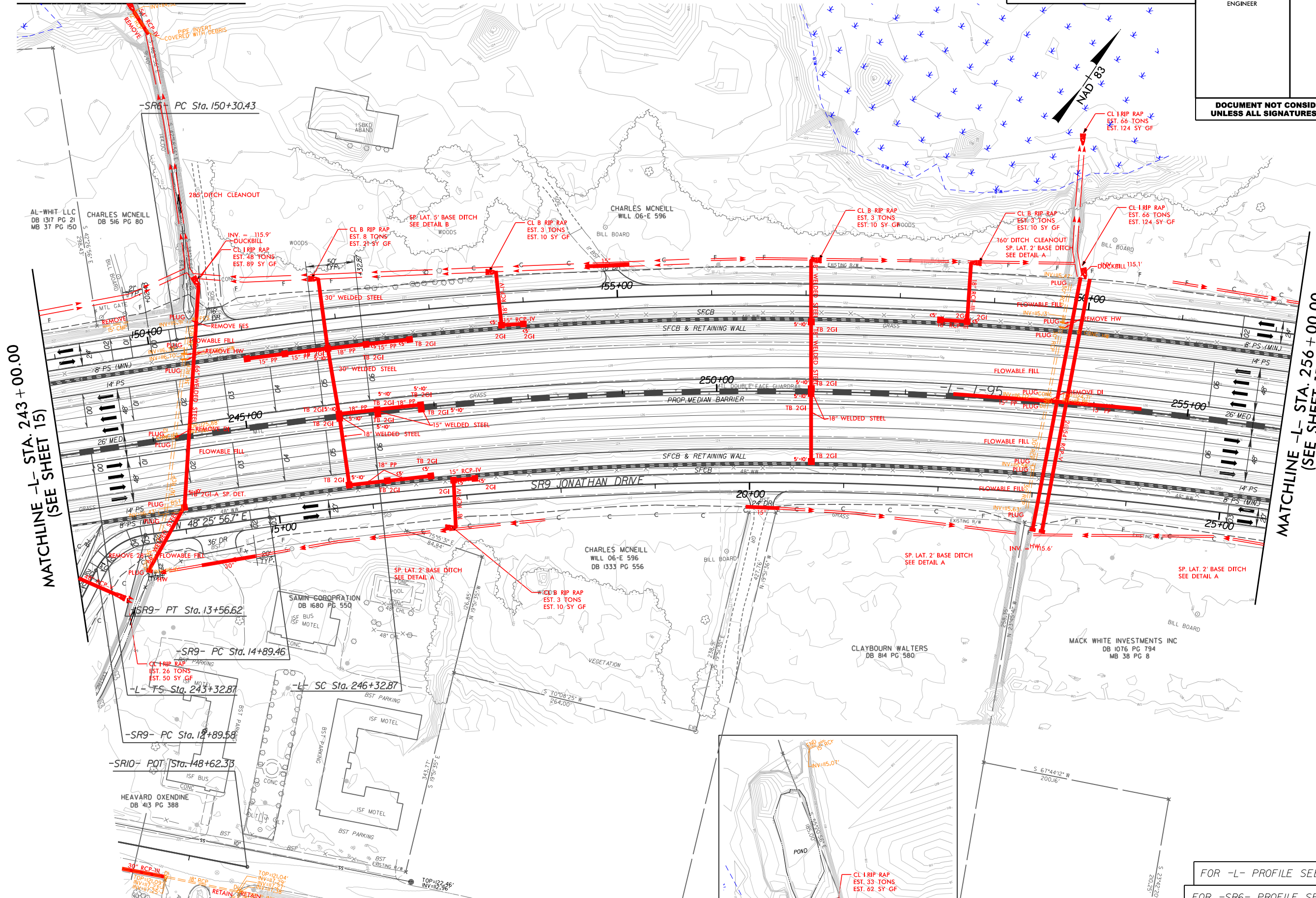
8/17/99

(INSET)
MATCHLINE

ICE of CAROLINAS, PLLC

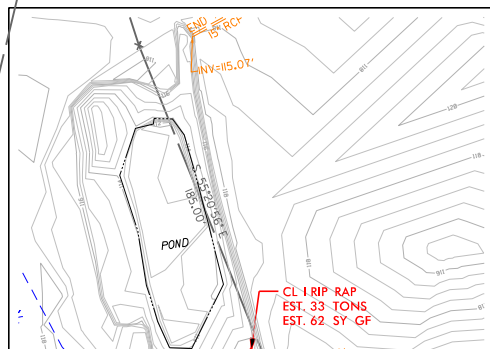
ICE of Carolinas, PLLC
4505 Falls of Neuse Road, Suite 110
Raleigh, North Carolina 27609
Phone: 803-822-0333
License #: P-0999

PROJECT REFERENCE NO. 1-6064/1-5879	SHEET NO. 16
RW SHEET NO. ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	



MATCHLINE -L- STA. 243 + 00.00
(SEE SHEET 15)

MATCHLINE -L- STA. 256 + 00.00
(SEE SHEET 17)

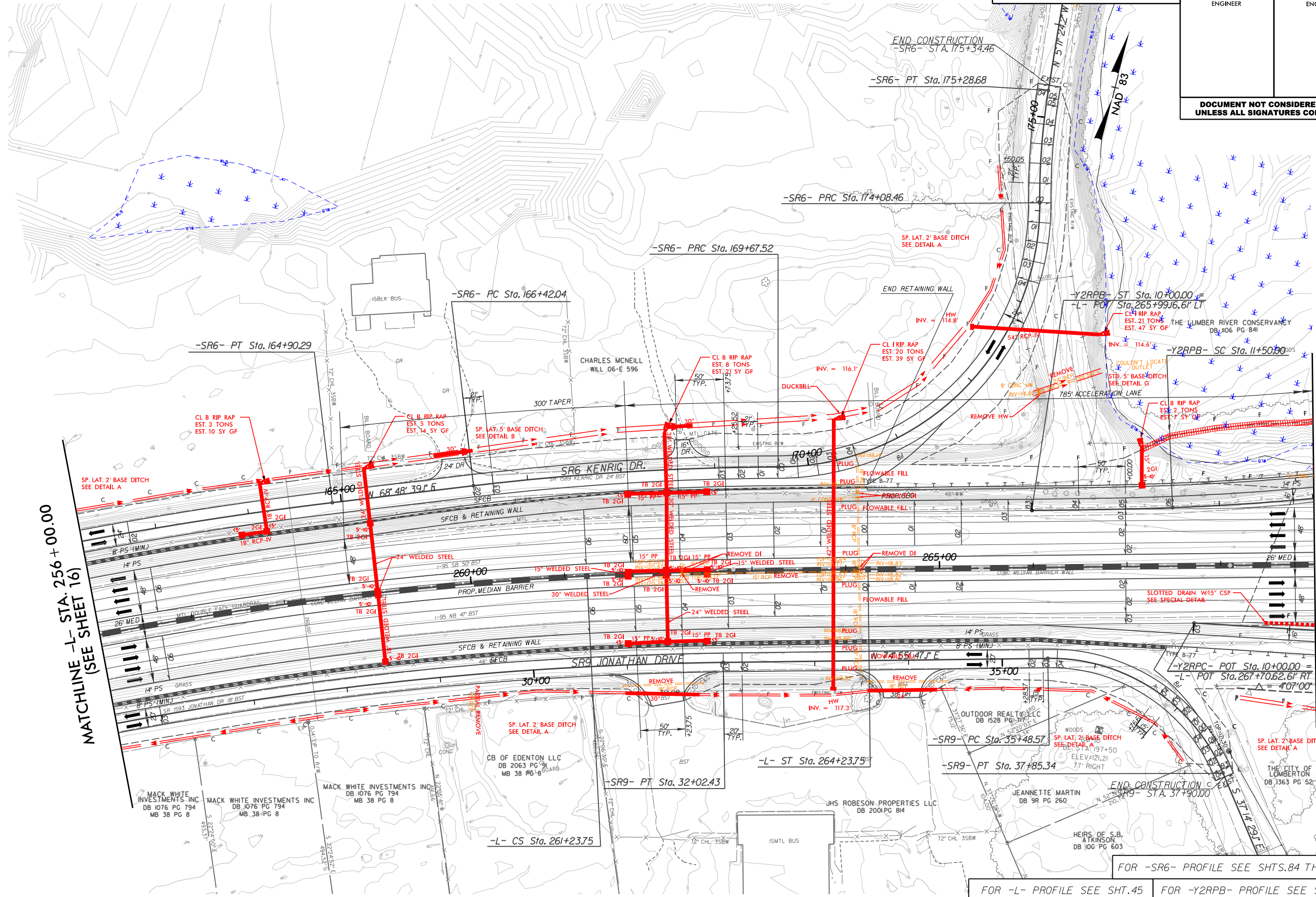


MATCHLINE
(INSET)

FOR -L- PROFILE SEE SHT.44
 FOR -SR6- PROFILE SEE SHT.84
 FOR -SR9- PROFILE SEE SHT.89

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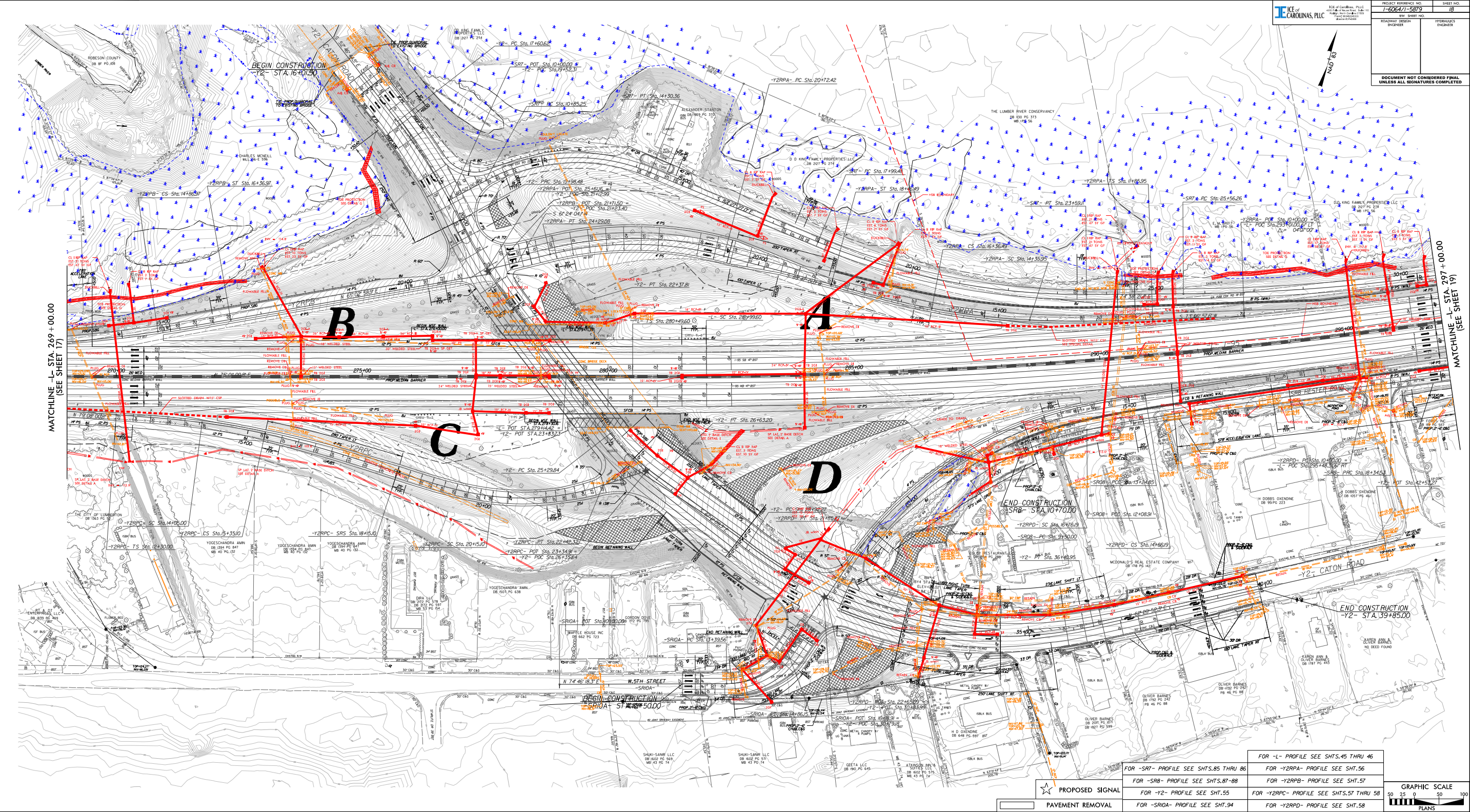
PROJECT REFERENCE NO. 1-6064/1-5879	SHEET NO. 17
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	



MATCHLINE -L- STA. 256+00.00
(SEE SHEET 16)

MATCHLINE -L- STA. 269+00.00
(SEE SHEET 18)

FOR -SR6- PROFILE SEE SHTS.84 THRU 85	FOR -Y2RPB- PROFILE SEE SHT.57
FOR -L- PROFILE SEE SHT.45	FOR -Y2RPC- PROFILE SEE SHT.57
FOR -SR9- PROFILE SEE SHT.89	



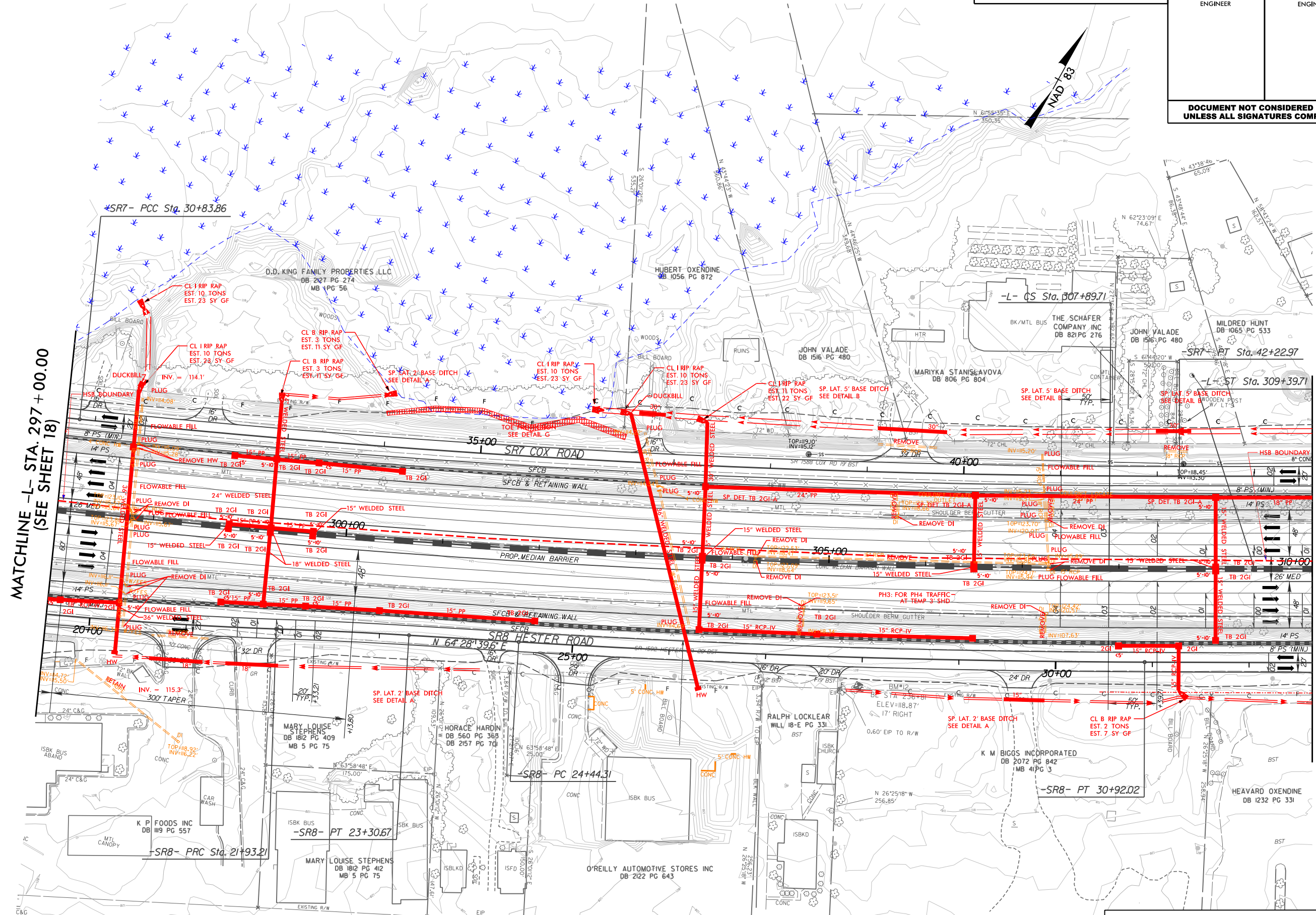
MATCHLINE -L- STA. 269+00.00
 (SEE SHEET 17)

MATCHLINE -L- STA. 297+00.00
 (SEE SHEET 19)

PROPOSED SIGNAL	FOR -SR7- PROFILE SEE SHTS.85 THRU 86	FOR -Y2RPA- PROFILE SEE SHT.56
PAVEMENT REMOVAL	FOR -SRB- PROFILE SEE SHTS.87-88	FOR -Y2RBP- PROFILE SEE SHT.57
	FOR -Y2- PROFILE SEE SHT.55	FOR -Y2RCP- PROFILE SEE SHTS.57 THRU 58
	FOR -SRIOA- PROFILE SEE SHT.94	FOR -Y2RPD- PROFILE SEE SHT.58

GRAPHIC SCALE
 0 25 0 30 100
 PLANS

PROJECT REFERENCE NO. 1-6064/1-5879	SHEET NO. 19
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	



MATCHLINE -L- STA. 297 + 00.00
(SEE SHEET 18)

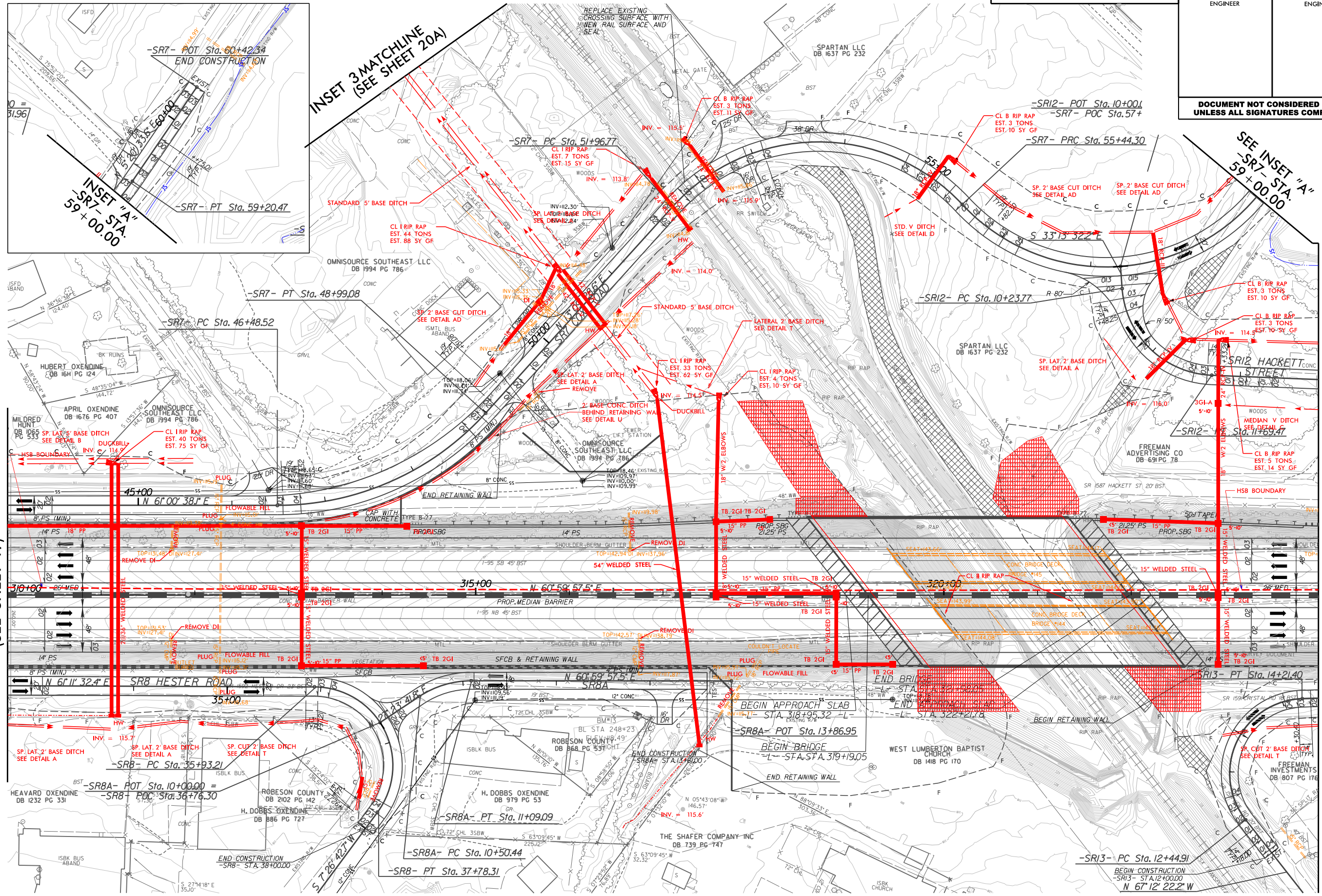
MATCHLINE -L- STA. 310 + 00.00
(SEE SHEET 20)

FOR -SR8- PROFILE SEE SHTS.87 THRU 88

FOR -L- PROFILE SEE SHT.46 FOR -SR7- PROFILE SEE SHT.86

PROJECT REFERENCE NO. 1-6064/1-5879	SHEET NO. 20
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED



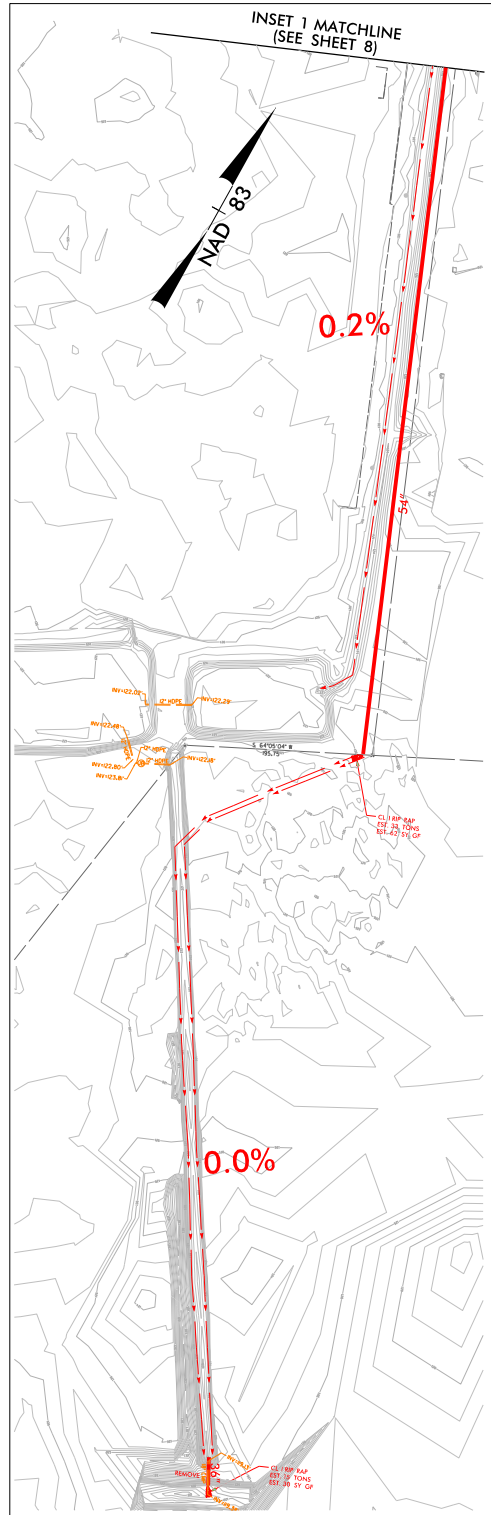
MATCHLINE -L- STA. 310 + 00.00 (SEE SHEET 19)

MATCHLINE -L- STA. 324 + 00.00 (SEE SHEET 21)

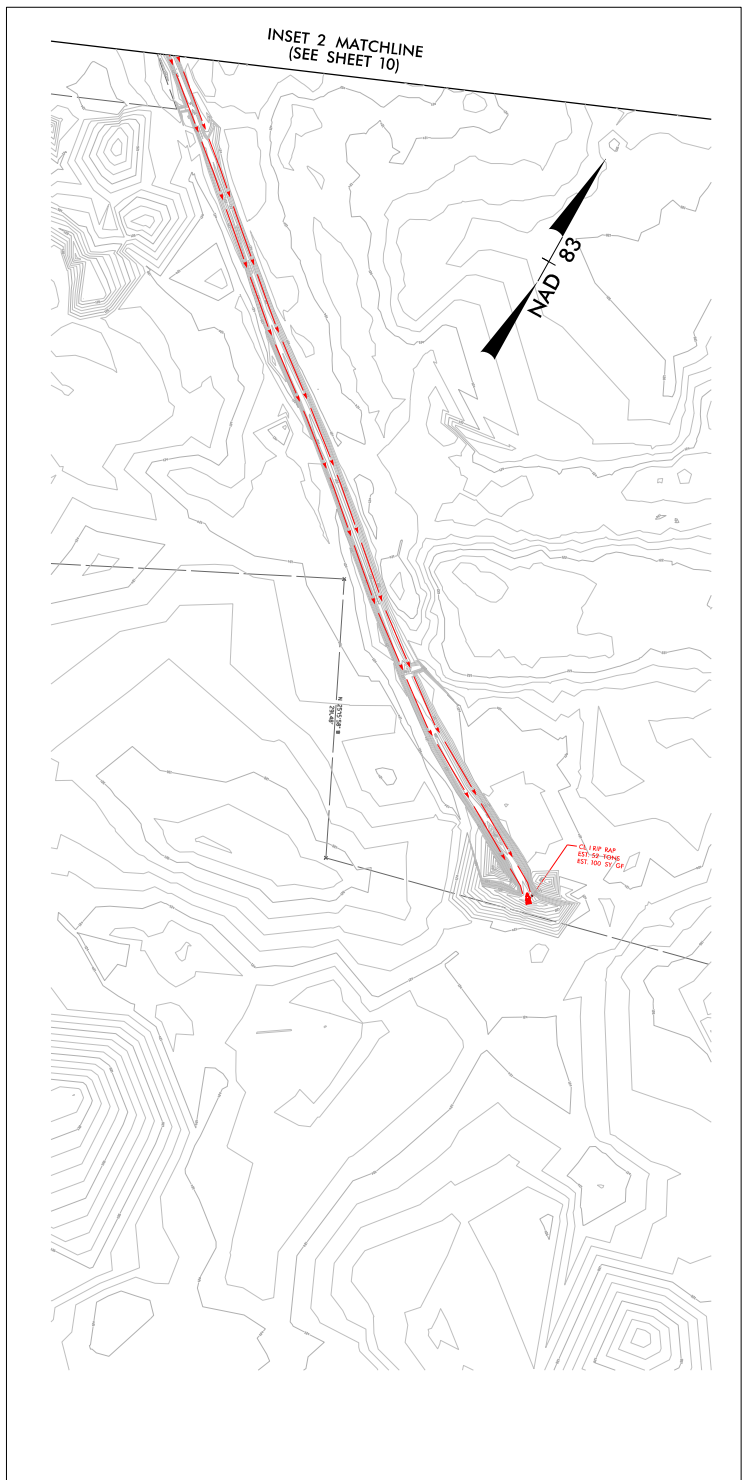
	FOR -L- PROFILE SEE SHT.47	FOR -SR8A- PROFILE SEE SHT.88	FOR -SR8- PROFILE SEE SHT.88	FOR -SR12- PROFILE SEE SHT.95	FOR -SR7- PROFILE SEE SHTS.86 THRU 87	FOR -SR13- PROFILE SEE SHT.96
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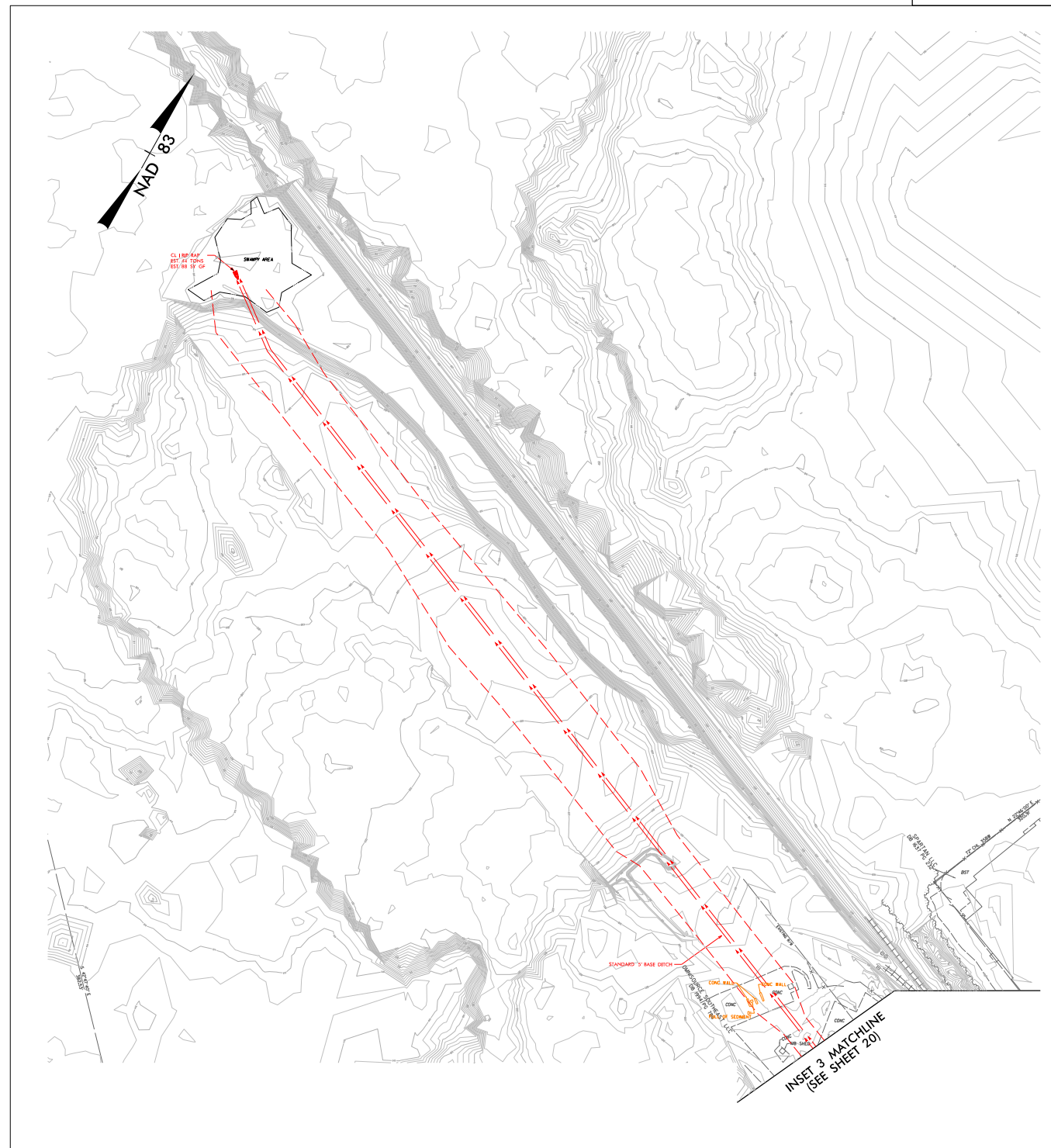
DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED



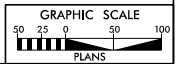
INSET 1



INSET 2



INSET 3



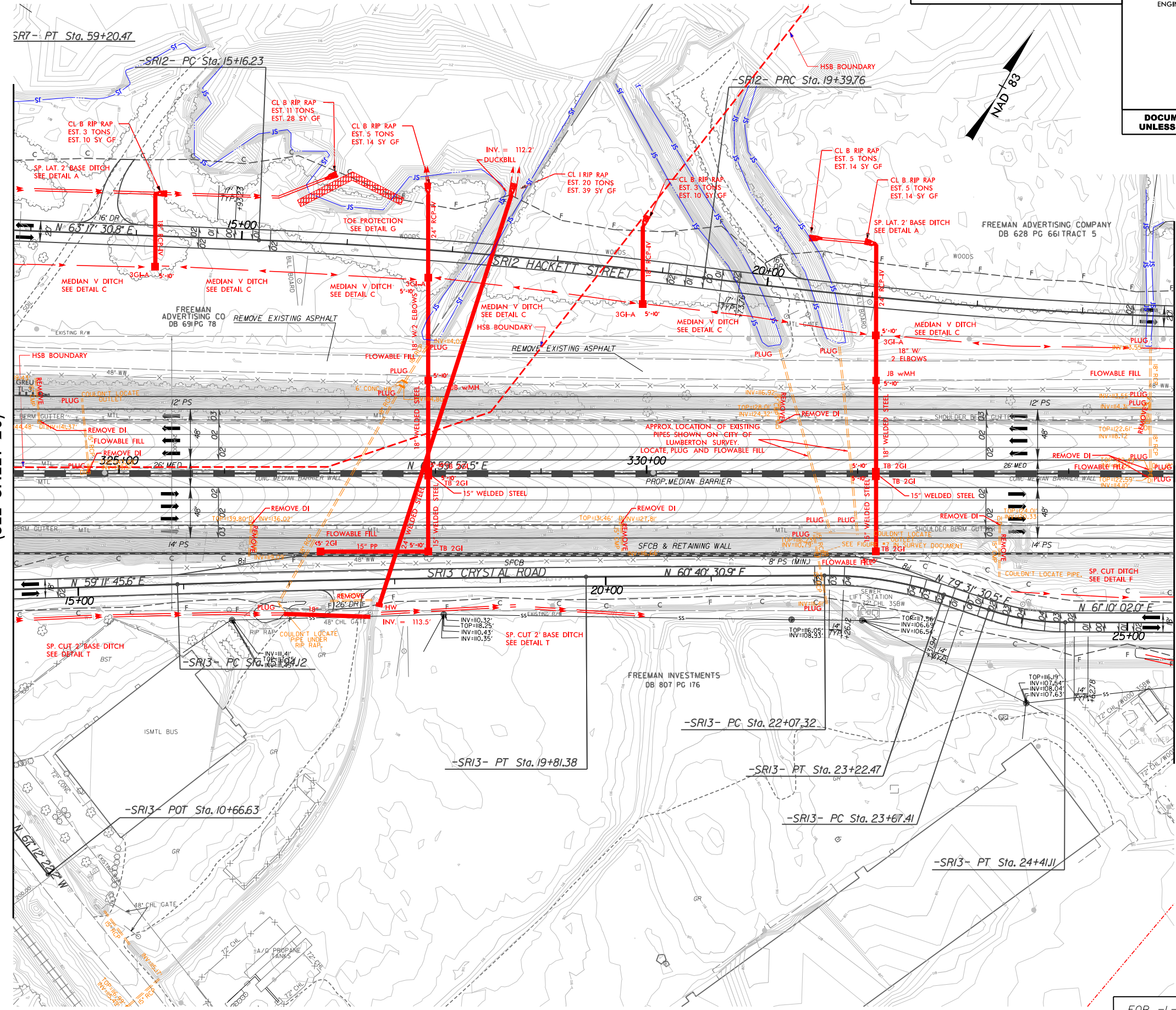
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PROJECT REFERENCE NO. 1-6064/1-5879	SHEET NO. 21
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

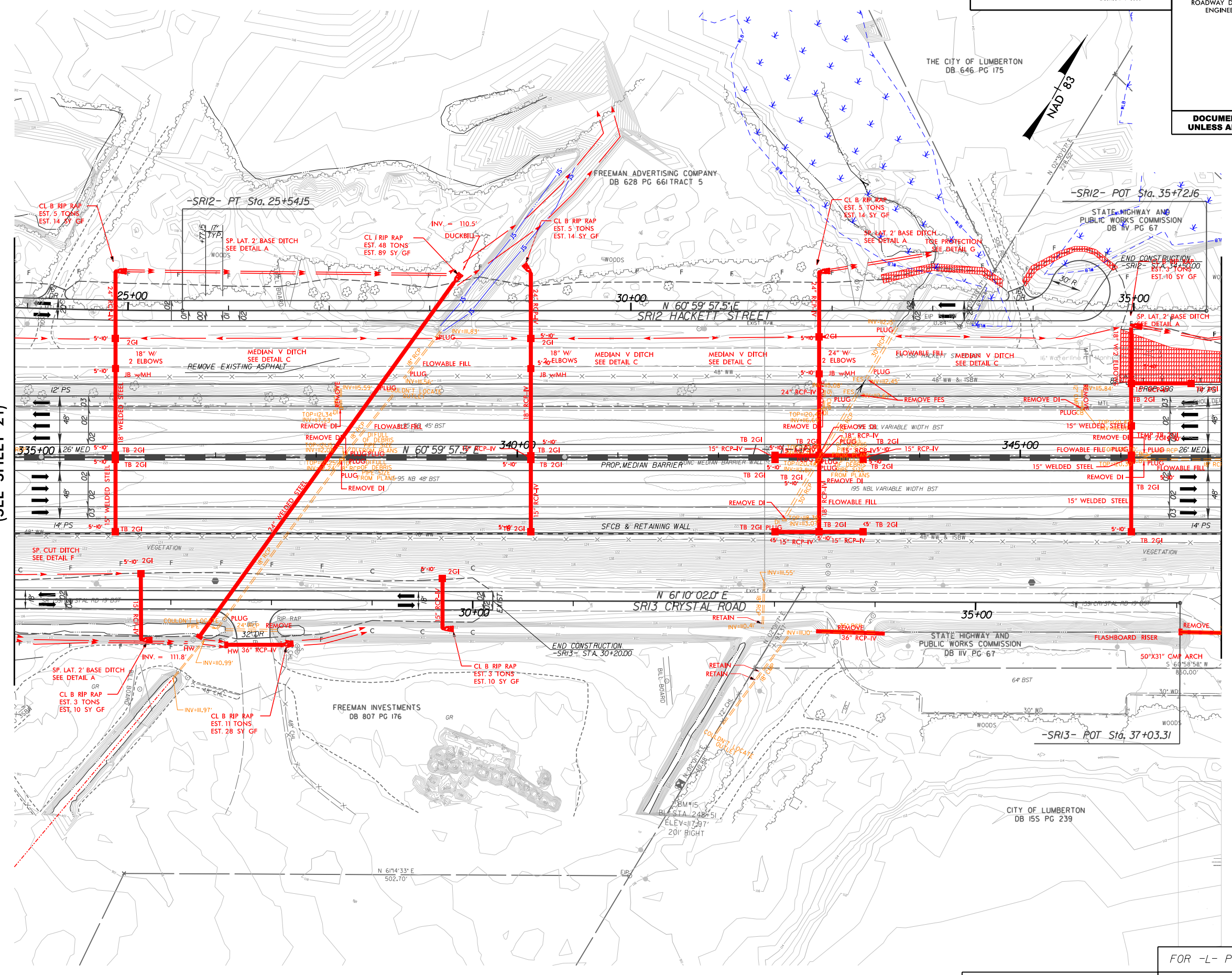
DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED

MATCHLINE -L- STA. 324 + 00.00
(SEE SHEET 20)

MATCHLINE -L- STA. 335 + 00.00
(SEE SHEET 22)



PROJECT REFERENCE NO. 1-6064/1-5879	SHEET NO. 22
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	



MATCHLINE -L- STA. 335 + 00.00
(SEE SHEET 21)

MATCHLINE -L- STA. 347 + 00.00
(SEE SHEET 23)

8/17/99

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FOR -L- PROFILE SEE SHT.48

FOR -SR12- PROFILE SEE SHT.95

FOR -SR13- PROFILE SEE SHT.96

8/17/99

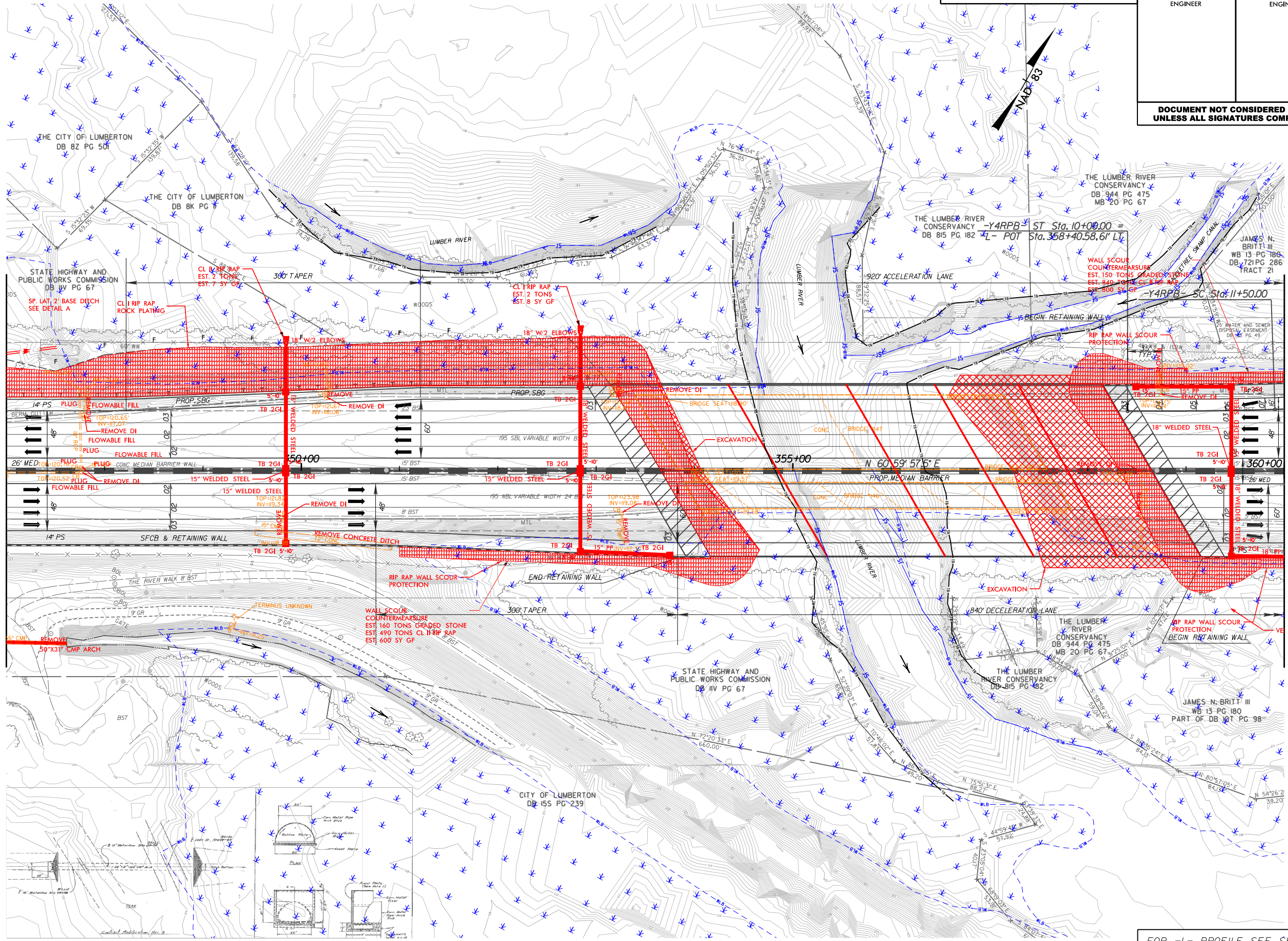
ICE of CAROLINAS, PLLC
 ICE of Carolinas, PLLC
 4505 Falls of Neuse Road, Suite 110
 Raleigh, North Carolina 27609
 Phone: 803-822-0333
 License #: P-0999

PROJECT REFERENCE NO. 1-6064/1-5879	SHEET NO. 23
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

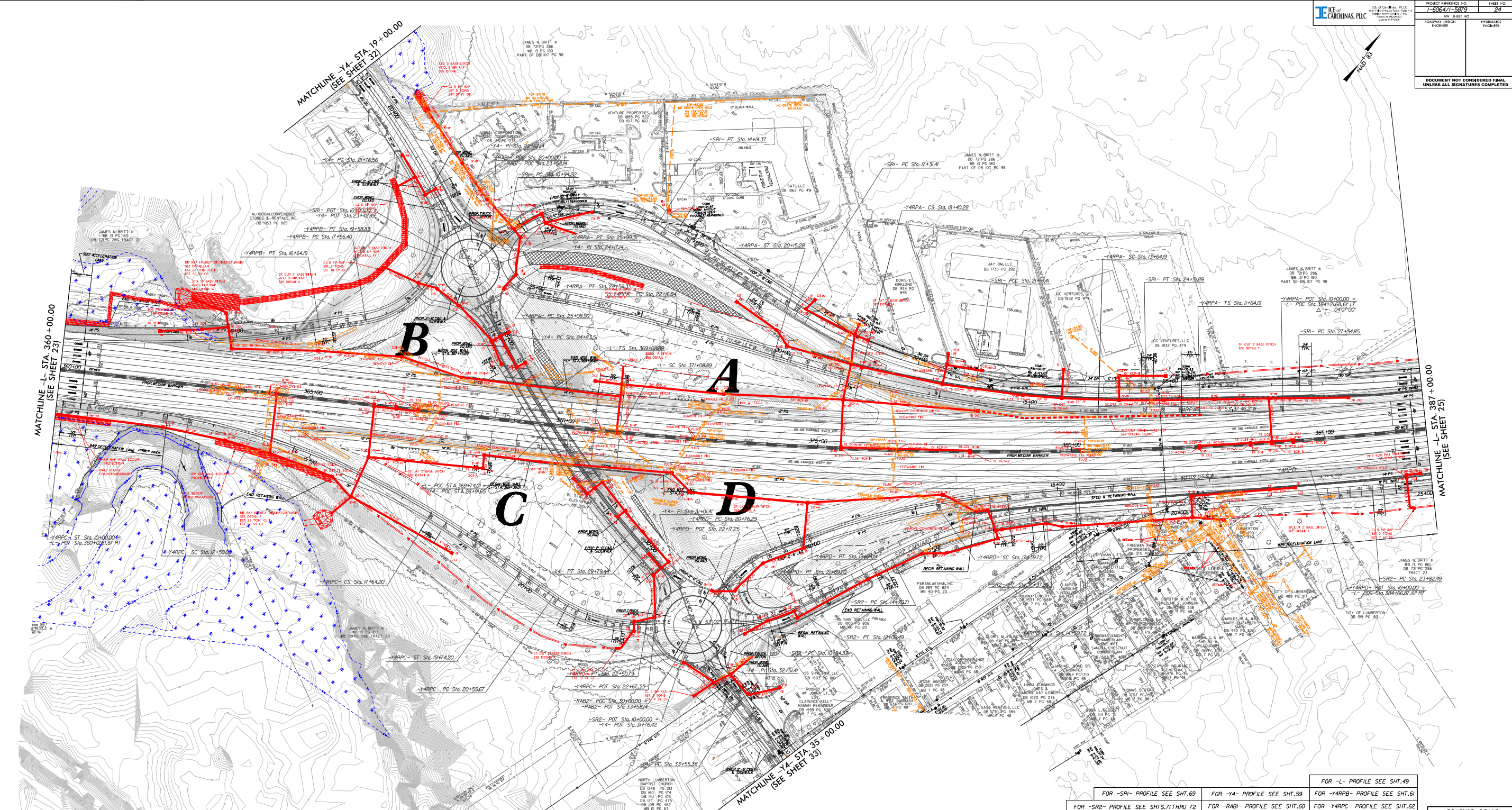
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(SEE SHEET 22)**

**MATCHLINE -L- STA. 360+00.00
(SEE SHEET 24)**

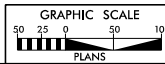


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FOR -L- PROFILE SEE SHT.48
 FOR -Y4RPB- PROFILE SEE SHT.61



FOR -SR1- PROFILE SEE SHT.69	FOR -Y4- PROFILE SEE SHT.59	FOR -Y4RPB- PROFILE SEE SHT.61
FOR -SR2- PROFILE SEE SHTS.71 THRU 72	FOR -RAB1- PROFILE SEE SHT.60	FOR -Y4RPC- PROFILE SEE SHT.62
FOR -Y4RPA- PROFILE SEE SHTS.60 THRU 61	FOR -RAB2- PROFILE SEE SHT.60	FOR -Y4RPD- PROFILE SEE SHT.62

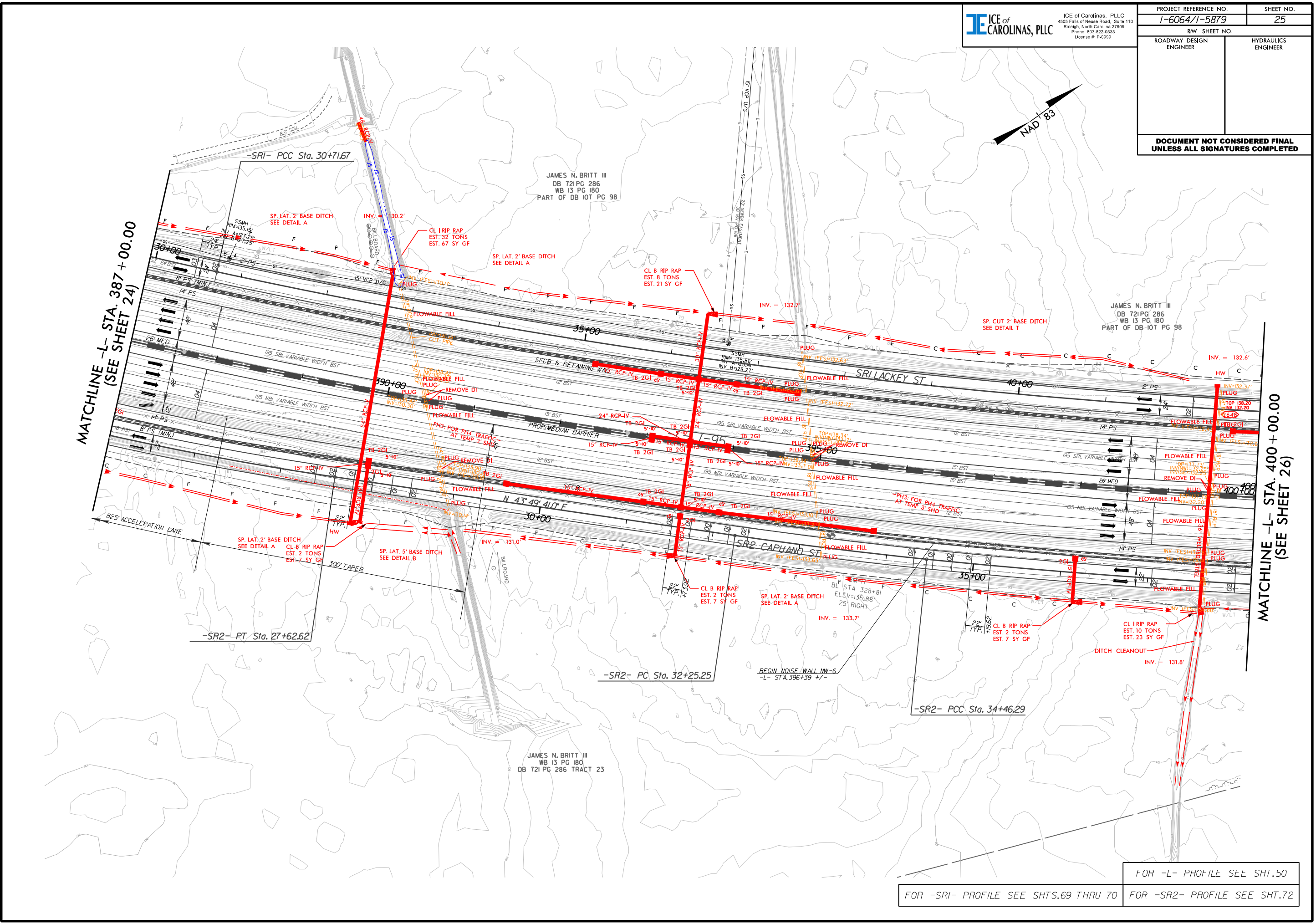


ICE of CAROLINAS, PLLC 7-666471-5879-24.dwg, 11/11/2024, 11:00 AM

PROJECT REFERENCE NO. 1-6064/1-5879	SHEET NO. 25
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	

MATCHLINE -L- STA. 387 + 00.00
(SEE SHEET 24)

MATCHLINE -L- STA. 400 + 00.00
(SEE SHEET 26)



FOR -L- PROFILE SEE SHT.50
 FOR -SRI- PROFILE SEE SHTS.69 THRU 70
 FOR -SR2- PROFILE SEE SHT.72

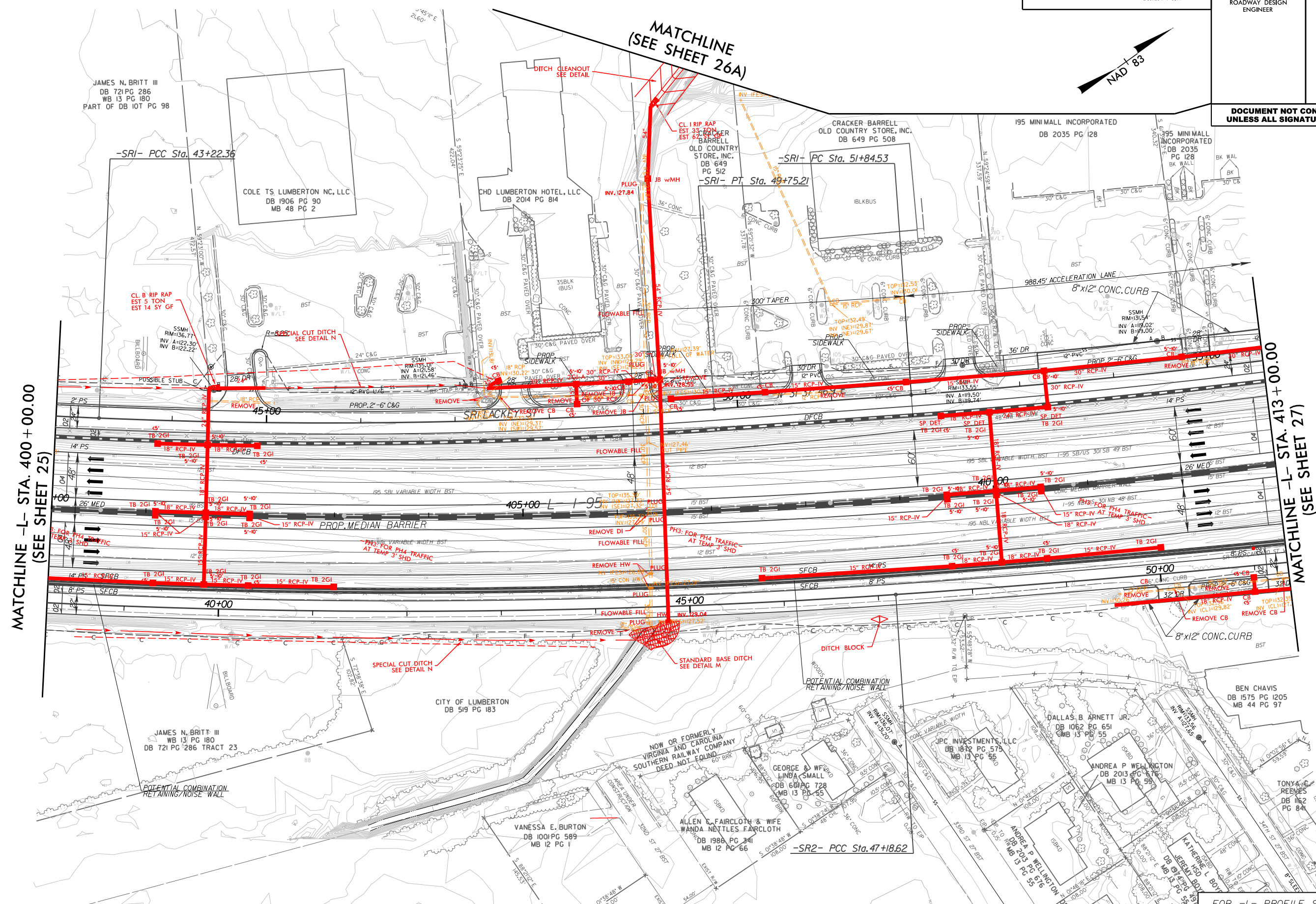
8/17/99
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8/17/99

WETHERILL ENGINEERING
 Wetherill Engineering, Inc.
 1223 Jones Franklin Road
 Raleigh, North Carolina 27608
 Phone: 919-851-8077
 License #: F-0377

PROJECT REFERENCE NO. 1-6064/1-5879	SHEET NO. 26
RW SHEET NO. ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED



MATCHLINE -L- STA. 400 + 00.00
(SEE SHEET 25)

MATCHLINE -L- STA. 413 + 00.00
(SEE SHEET 27)

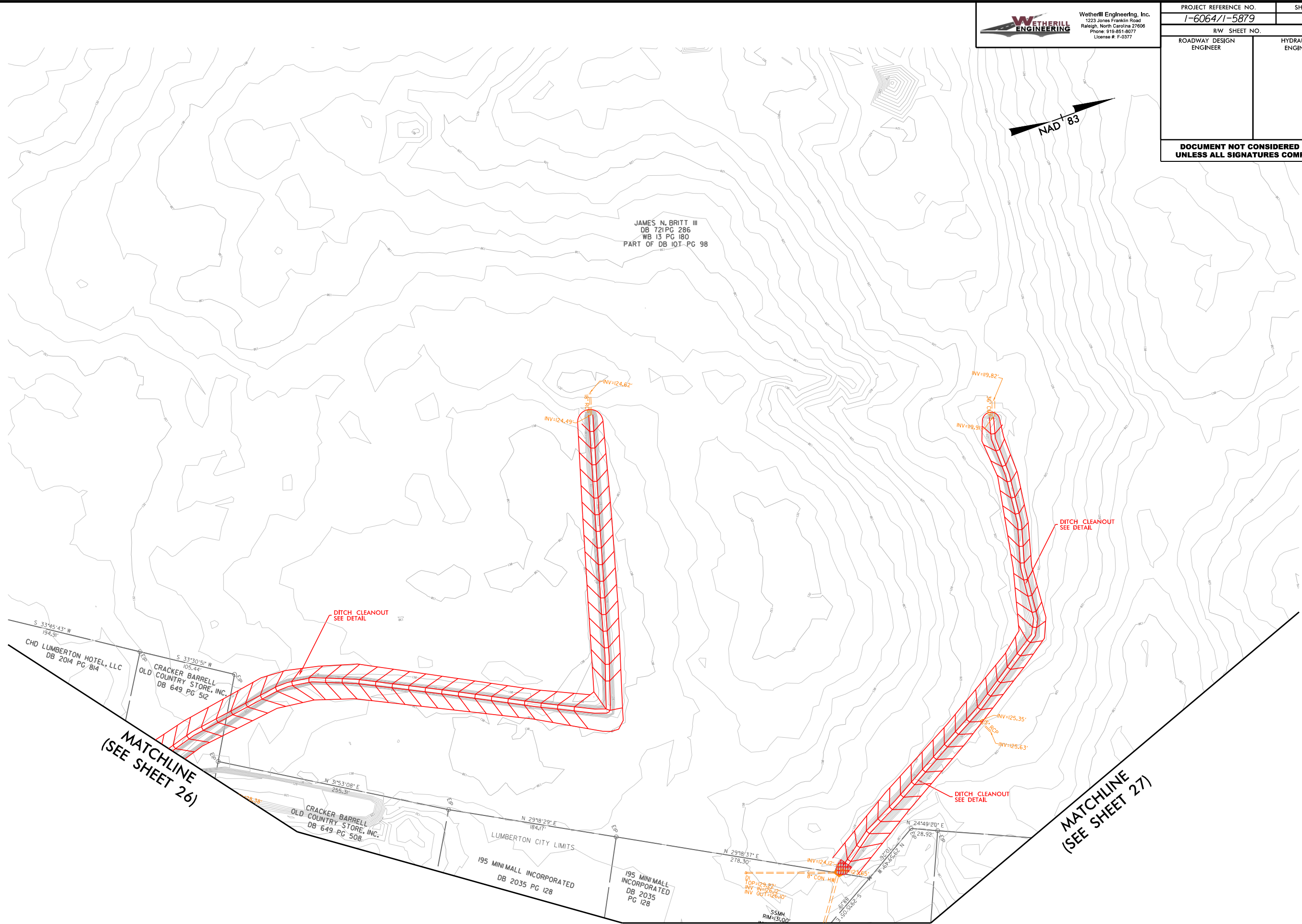
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FOR -L- PROFILE SEE SHT.50
 FOR -SRI- PROFILE SEE SHT.70
 FOR -SR2- PROFILE SEE SHT.72

8/17/99

WETHERILL ENGINEERING
 Wetherill Engineering, Inc.
 1223 Jones Franklin Road
 Raleigh, North Carolina 27606
 Phone: 919-851-8077
 License #: F-3377

PROJECT REFERENCE NO. 1-6064/1-5879	SHEET NO. 26A
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	



JAMES N. BRITT III
 DB 721 PG 286
 WB 13 PG 180
 PART OF DB 107- PG 98

S 33°45'43" W
 194.91'
 CHD LUMBERTON HOTEL, LLC
 DB 2014 PG 814

S 33°30'51" W
 105.44'
 CRACKER BARRELL
 OLD COUNTRY STORE, INC.
 DB 649 PG 512

MATCHLINE
 (SEE SHEET 26)

N 31°53'08" E
 255.31'
 CRACKER BARRELL
 OLD COUNTRY STORE, INC.
 DB 649 PG 508

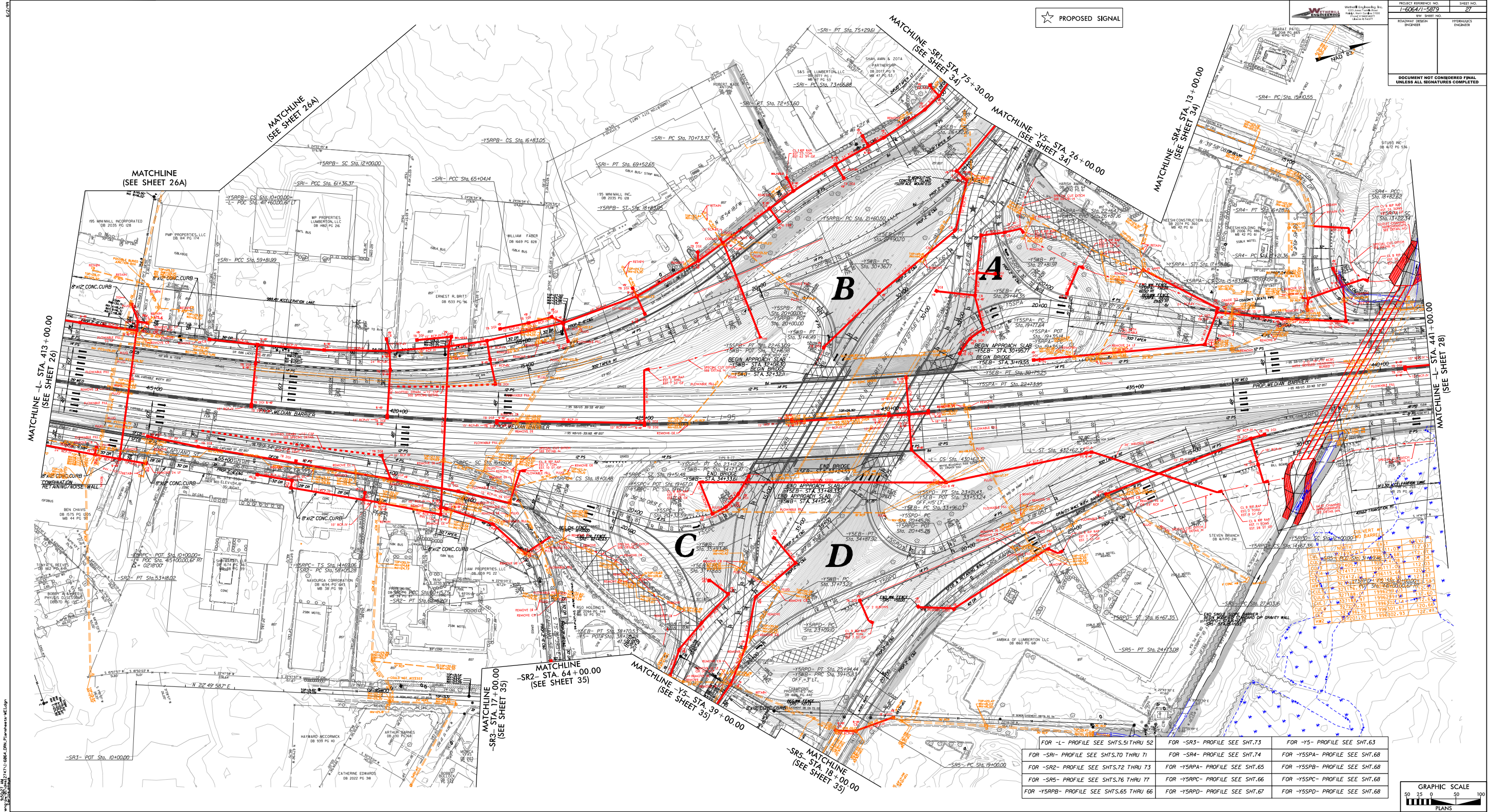
N 29°18'29" E
 184.17'
 LUMBERTON CITY LIMITS
 195 MINI MALL INCORPORATED
 DB 2035 PG 128

N 29°18'37" E
 278.30'
 195 MINI MALL
 INCORPORATED
 DB 2035
 PG 128

MATCHLINE

MATCHLINE
 (SEE SHEET 27)

PM
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 8/17/99



★ PROPOSED SIGNAL

PROJECT REFERENCE NO.	7-666471-5879	SHEET NO.	27
REV. SHEET NO.		DATE	
ROADWAY DESIGN ENGINEER		HYDRAULICS ENGINEER	

DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED

MATCHLINE (SEE SHEET 26A)

MATCHLINE -L- STA. 413+00.00
(SEE SHEET 26)

MATCHLINE (SEE SHEET 26A)

MATCHLINE (SEE SHEET 26A)

MATCHLINE -SR3- STA. 17+00.00
(SEE SHEET 35)

MATCHLINE -SR2- STA. 64+00.00
(SEE SHEET 35)

MATCHLINE -Y3- STA. 39+00.00
(SEE SHEET 35)

MATCHLINE -SR5- STA. 18+00.00
(SEE SHEET 35)

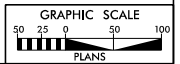
MATCHLINE -SR1- STA. 75+30.00
(SEE SHEET 34)

MATCHLINE -Y5- STA. 26+00.00
(SEE SHEET 34)

MATCHLINE -SR4- STA. 13+00.00
(SEE SHEET 34)

MATCHLINE -L- STA. 441+00.00
(SEE SHEET 28)

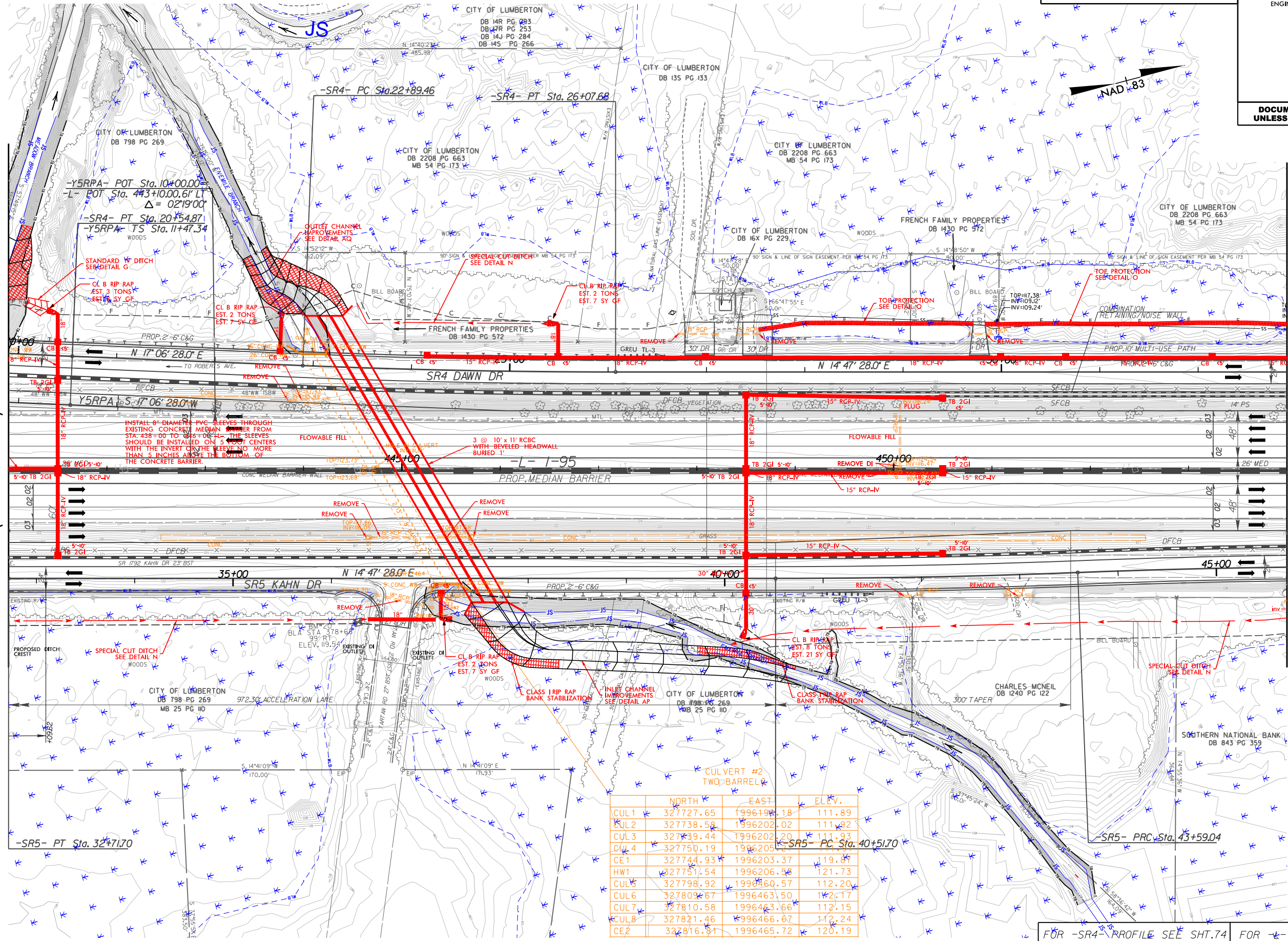
FOR -L- PROFILE SEE SHTS.51 THRU 52	FOR -SR3- PROFILE SEE SHT.73	FOR -Y5- PROFILE SEE SHT.63
FOR -SR1- PROFILE SEE SHTS.70 THRU 71	FOR -SR4- PROFILE SEE SHT.74	FOR -Y5SPA- PROFILE SEE SHT.68
FOR -SR2- PROFILE SEE SHTS.72 THRU 73	FOR -YSRPA- PROFILE SEE SHT.65	FOR -Y5SPB- PROFILE SEE SHT.68
FOR -SR5- PROFILE SEE SHTS.76 THRU 77	FOR -YSRPC- PROFILE SEE SHT.66	FOR -Y5SPC- PROFILE SEE SHT.68
FOR -YSRPB- PROFILE SEE SHTS.65 THRU 66	FOR -YSRPD- PROFILE SEE SHT.67	FOR -Y5SPD- PROFILE SEE SHT.68



PROJECT REFERENCE NO. 1-6064/1-5879	SHEET NO. 28
RW SHEET NO. ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	

MATCHLINE -L- STA. 441+00.00
(SEE SHEET 27)

MATCHLINE -L- STA. 454+00.00
(SEE SHEET 29)



	NORTH	EAST	ELEV.
CUL1	327727.65	1996198.18	111.89
CUL2	327738.58	1996202.02	111.92
CUL3	327739.44	1996202.20	111.93
CUL4	327750.19	1996205.25	111.93
CE1	327744.93	1996203.37	119.87
HW1	327751.54	1996206.58	121.73
CUL5	327798.92	1996460.57	112.20
CUL6	327809.67	1996463.50	112.17
CUL7	327810.58	1996463.66	112.15
CUL8	327821.46	1996466.67	112.24
CE2	327816.81	1996465.72	120.19

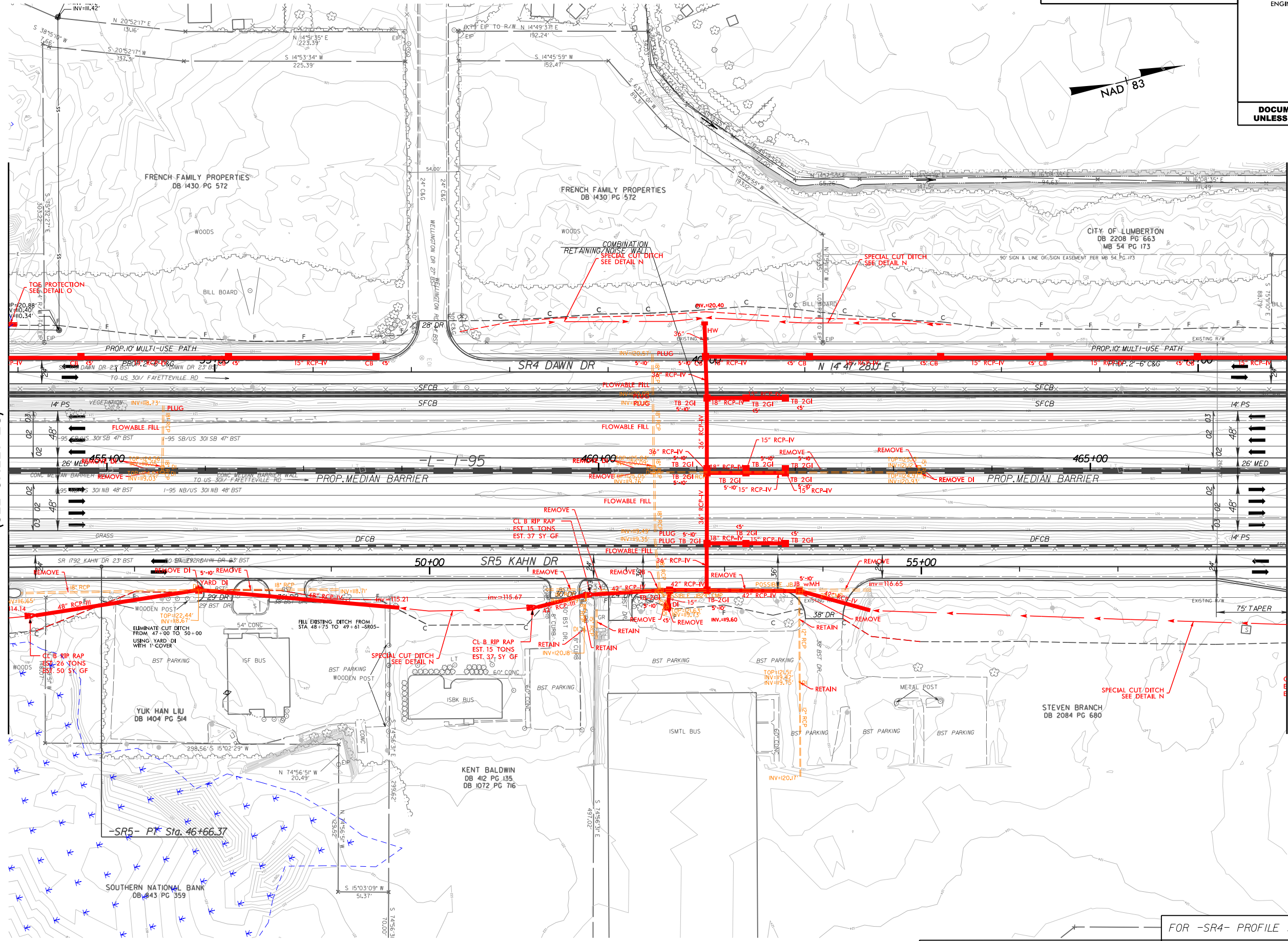
FOR -SR4- PROFILE SEE SHT.74 FOR -SR4- PROFILE SEE SHT.52
 FOR -Y5RPA- PROFILE SEE SHT.65 FOR -SR5- PROFILE SEE SHT.77

PROJECT REFERENCE NO. 1-6064/1-5879	SHEET NO. 29
RW SHEET NO.	HYDRAULICS ENGINEER
ROADWAY DESIGN ENGINEER	

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MATCHLINE -L- STA. 454 + 00.00
(SEE SHEET 28)

MATCHLINE -L- STA. 467 + 00.00
(SEE SHEET 30)



FOR -L- PROFILE SEE SHTS.52 THRU 53 FOR -SR4- PROFILE SEE SHTS.74 THRU 75
 FOR -SR5- PROFILE SEE SHTS.77 THRU 78

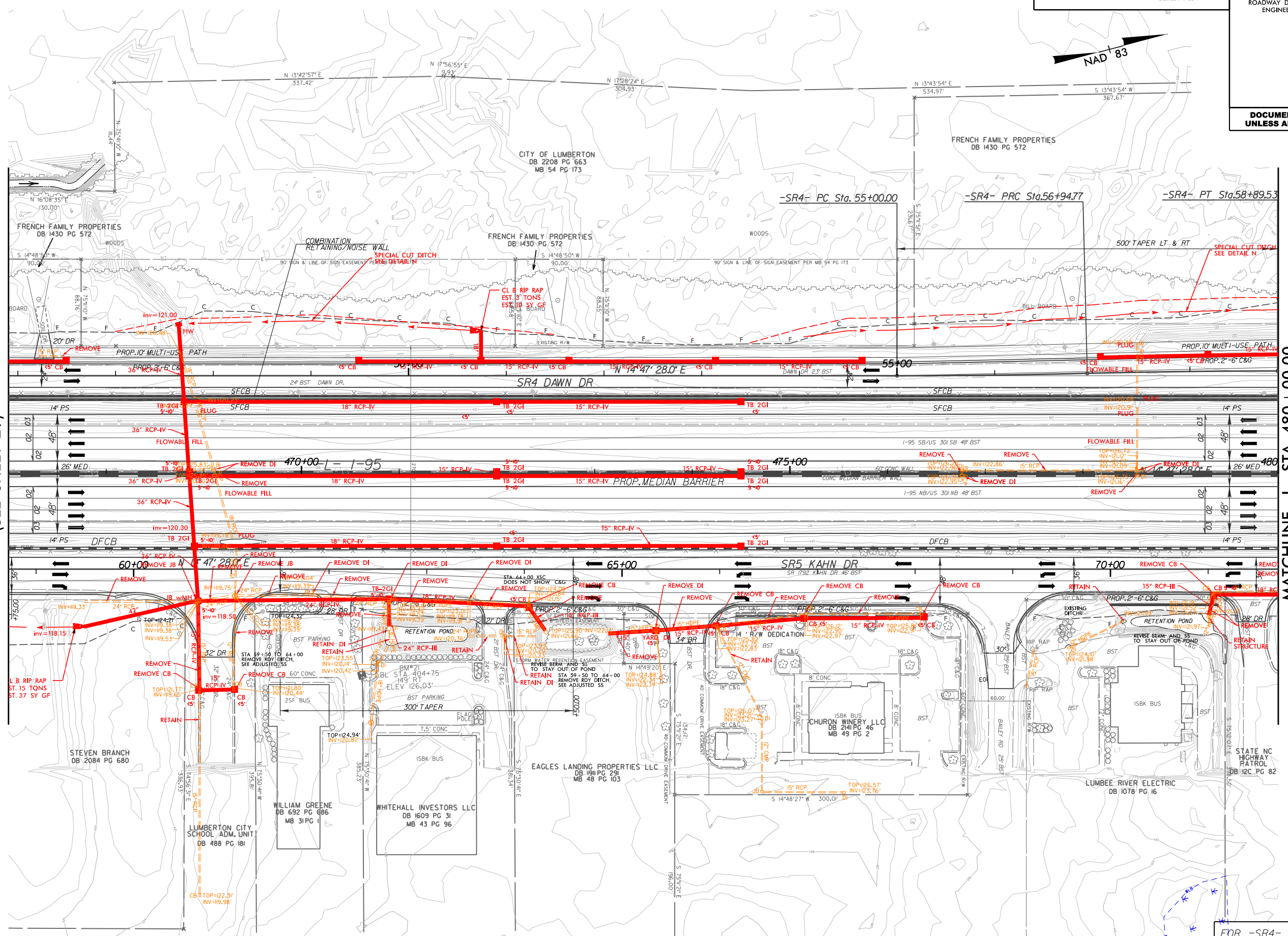
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RW SHEET NO. ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	



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MATCHLINE -L- STA. 467+00.00
(SEE SHEET 29)

MATCHLINE -L- STA. 480+00.00
(SEE SHEET 31)



1/17/01 PM
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FOR -SR4- PROFILE SEE SHT.75
 FOR -L- PROFILE SEE SHT.53
 FOR -SR5- PROFILE SEE SHT.78



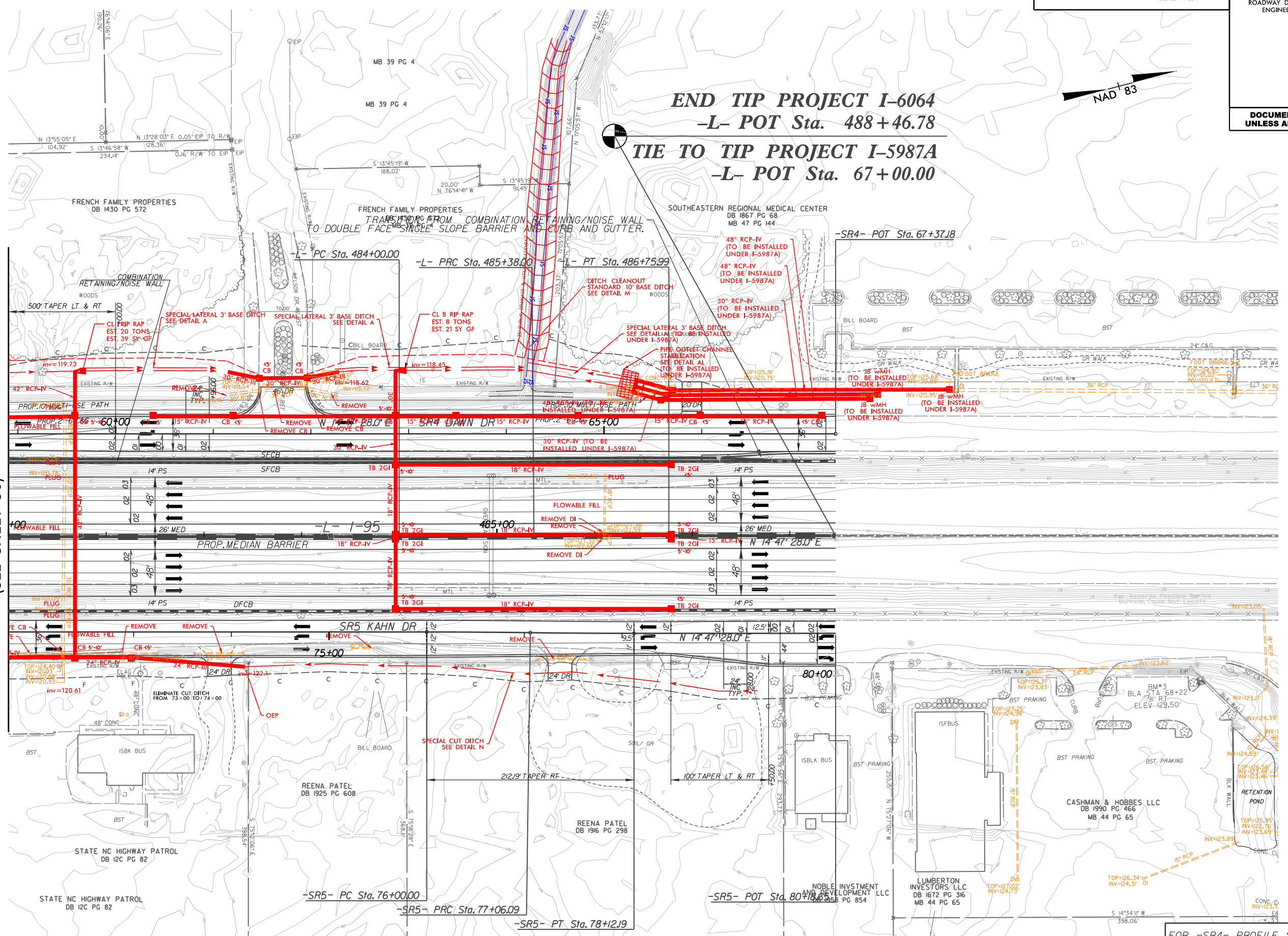
Wetherill Engineering, Inc.
1223 Jones Franklin Road
Raleigh, North Carolina 27606
Phone: 919-851-8077
License #: F-0377

PROJECT REFERENCE NO. 1-6064/1-5879	SHEET NO. 31
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	

END TIP PROJECT I-6064
-L- POT Sta. 488+46.78
TIE TO TIP PROJECT I-5987A
-L- POT Sta. 67+00.00



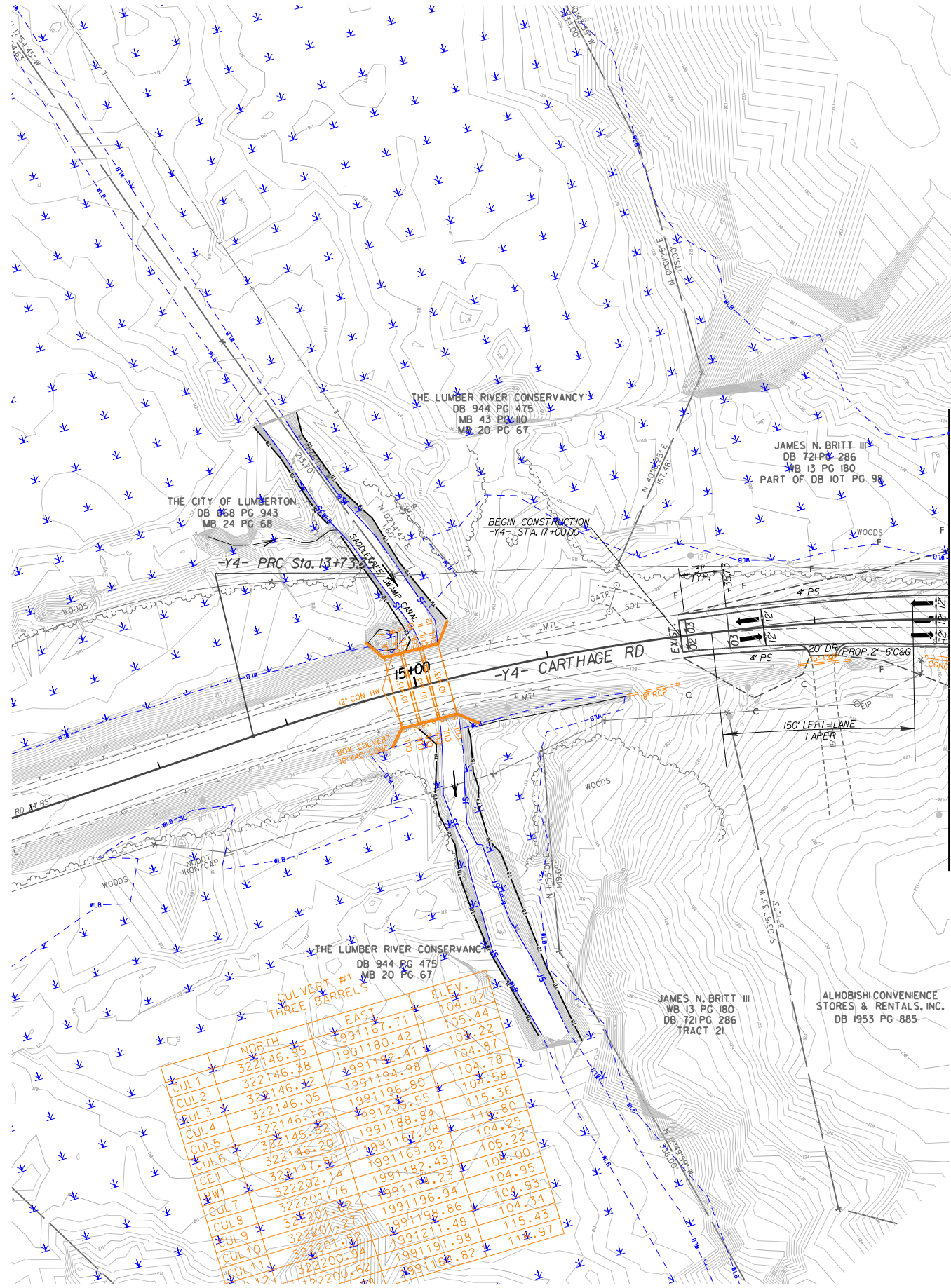
MATCHLINE -L- STA. 480+00.00
(SEE SHEET 30)



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FOR -SR4- PROFILE SEE SHTS.75 THRU 76
FOR -L- PROFILE SEE SHT.53
FOR -SR5- PROFILE SEE SHTS.78 THRU 79

PROJECT REFERENCE NO. 1-6064/1-5879	SHEET NO. 32
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER
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**CULVERT #1
THREE BARRELS**

	NORTH	EAST	ELEV.
CUL1	322146.95	1991167.71	104.02
CUL2	322146.38	1991180.42	105.44
CUL3	322146.32	1991182.41	104.22
CUL4	322146.05	1991194.98	104.87
CUL5	322145.82	1991196.80	104.78
CUL6	322146.20	1991209.55	104.58
CE1	322147.80	1991188.84	115.36
HW1	322202.14	1991167.08	116.80
CUL7	322201.76	1991169.82	104.25
CUL8	322201.82	1991182.43	105.22
CUL9	322201.27	1991184.23	105.00
CUL10	322201.32	1991196.94	104.95
CUL11	322201.94	1991198.86	104.93
CUL12	322200.62	1991211.48	104.34
		1991191.98	104.34
		1991191.98	115.43
		1991186.82	114.91

MATCHLINE -Y4- STA. 19+00.00
(SEE SHEET 24)

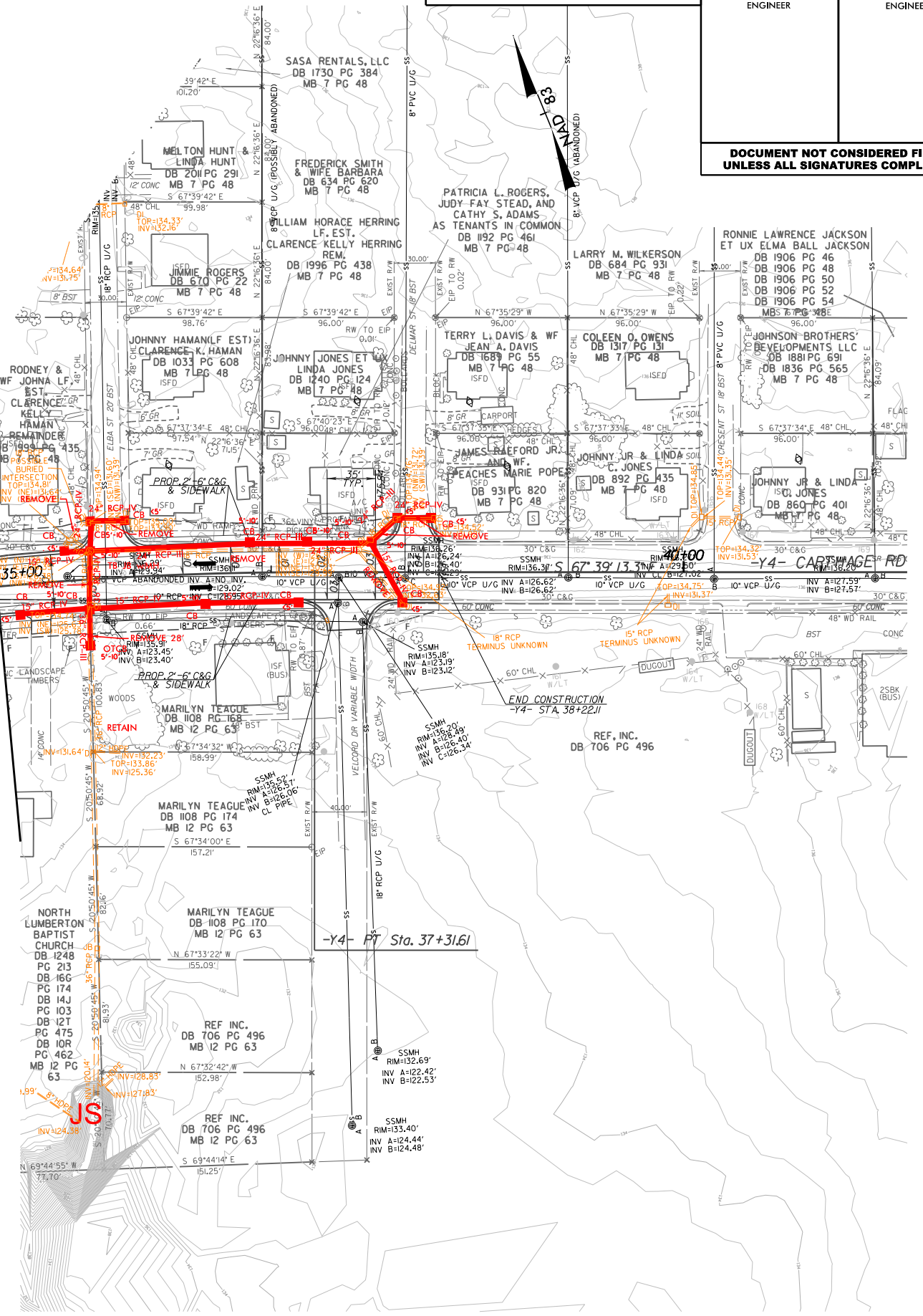
8/17/99

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ICE of Carolinas, PLLC
4505 Falls of Neuse Road, Suite 110
Raleigh, North Carolina 27609
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License #: P-0999

PROJECT REFERENCE NO. 1-6064/1-5879	SHEET NO. 33
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	

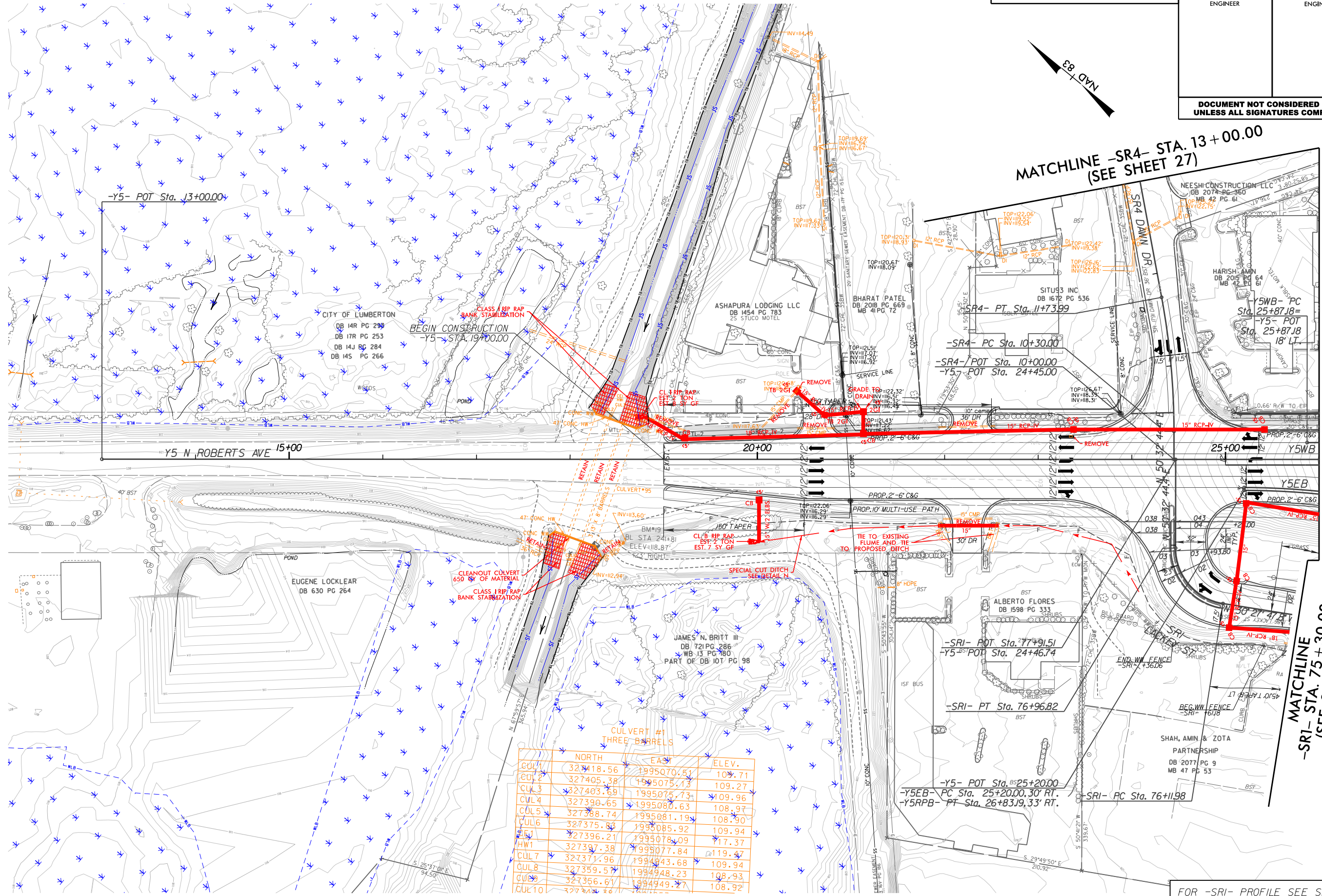
MATCHLINE -Y4- STA. 35 + 00.00
(SEE SHEET 24)



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FOR -Y4- PROFILE SEE SHT.59

PROJECT REFERENCE NO. 1-6064/1-5879	SHEET NO. 34
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER
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-Y5- POT Sta. 13+00.00

MATCHLINE -SR4- STA. 13+00.00
(SEE SHEET 27)

CITY OF LUMBERTON
DB 14R PG 235
DB 17R PG 253
DB 14J PG 284
DB 14S PG 266

BEGIN CONSTRUCTION
-Y5- STA. 19+00.00

ASHAPURA LODGING LLC
DB 1454 PG 783
25 STUCCO MOTEL

SITUS3 INC.
DB 1672 PG 536

NEESH CONSTRUCTION LLC
DB 2074 PG 360
DB 2074 PG 360
DB 42 PG 61

HARISH AMIN
DB 2058 PG 64

5WB- PC
Sta. 25+87.18

-Y5- POT
Sta. 25+87.18
18' LT.

Y5 N ROBERTS AVE 15+00

20+00

25+00

MATCHLINE -Y5- STA. 26+00.00
(SEE SHEET 27)

EUGENE LOCKLEAR
DB 630 PG 264

CLEANOUT CULVERT
650' OF MATERIAL

JAMES N. BRITT III
DB 721 PG 286
WB 13 PG 780
PART OF DB 107 PG 98

-SRI- POT Sta. 77+91.51
-Y5- POT Sta. 24+46.74

-SRI- PT Sta. 76+96.82

-Y5- POT Sta. 25+20.00
-Y5EB- PC Sta. 25+20.00, 30' RT.
-Y5RPB- PT Sta. 26+83.19, 33' RT.

-SRI- PC Sta. 76+11.98

SHAH, AMIN & ZOTA
PARTNERSHIP
DB 2077 PG 9
MB 47 PG 53

MATCHLINE -SRI- STA. 75+30.00
(SEE SHEET 27)

	NORTH	EAST	ELEV.
CULV 1	327418.56	1995070.51	109.71
CULV 2	327405.38	1995075.13	109.27
CULV 3	327403.69	1995075.73	109.96
CULV 4	327390.65	1995080.63	108.97
CULV 5	327388.74	1995081.19	108.90
CULV 6	327375.83	1995085.92	109.94
CULV 7	327396.21	1995078.09	117.37
CULV 8	327371.96	1995077.84	119.47
CULV 9	327359.57	1994948.23	108.93
CULV 10	327356.61	1994949.77	108.92

FOR -Y5- PROFILE SEE SHT.63 FOR -SRI- PROFILE SEE SHT.74

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 Wetherill Engineering, Inc.
 1223 Jones Franklin Road
 Raleigh, North Carolina 27606
 Phone: 919-851-8077
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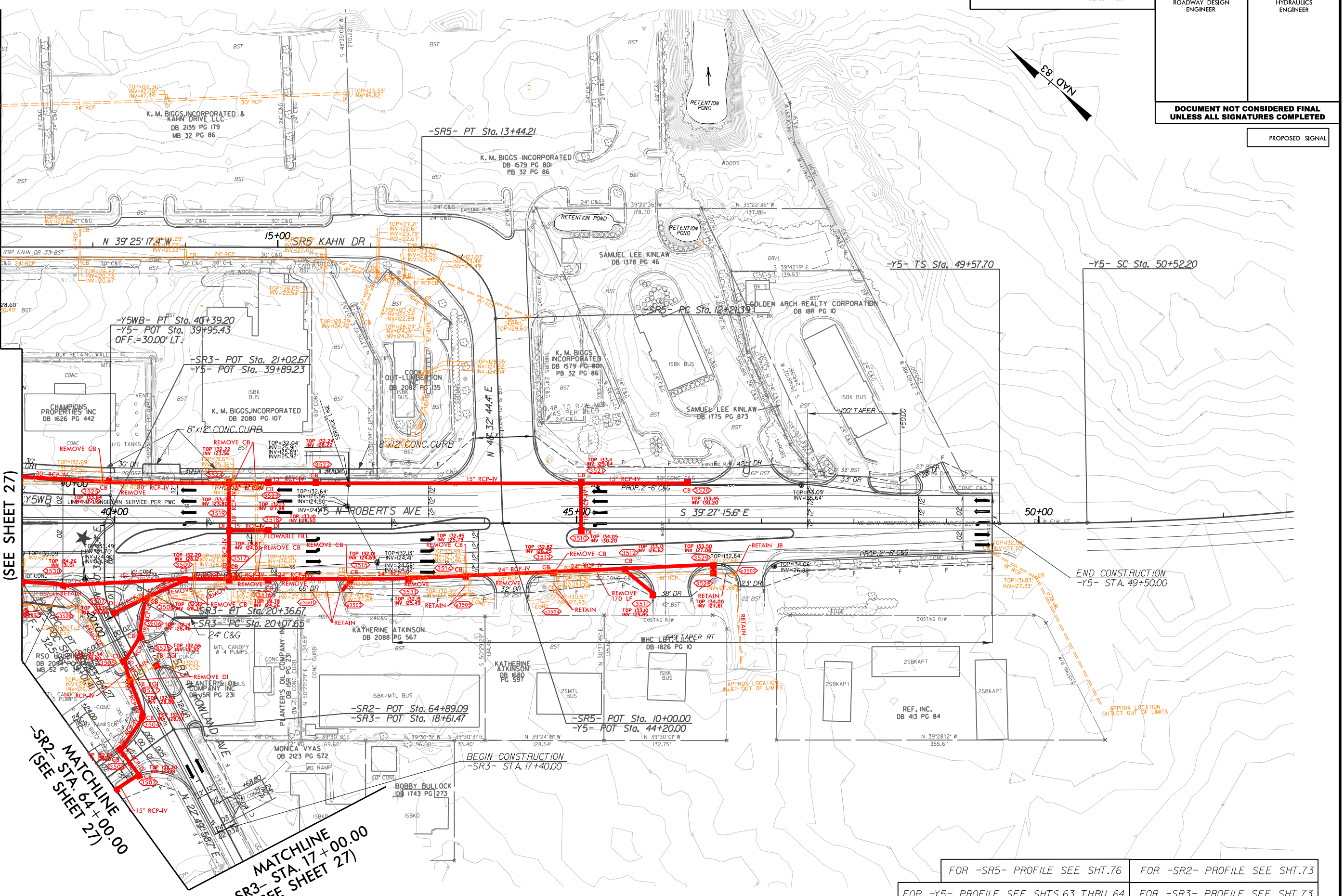
PROJECT REFERENCE NO. 1-6064/1-5879	SHEET NO. 35
RW SHEET NO.	HYDRAULICS ENGINEER
ROADWAY DESIGN ENGINEER	

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PROPOSED SIGNAL

MATCHLINE -SR5- STA. 18+00.00
(SEE SHEET 27)

MATCHLINE -Y5- STA. 39+00.00
(SEE SHEET 27)



MATCHLINE -SR2- STA. 64+00.00
(SEE SHEET 27)

MATCHLINE -SR3- STA. 17+00.00
(SEE SHEET 27)

FOR -SR5- PROFILE SEE SHT.76	FOR -SR2- PROFILE SEE SHT.73
FOR -Y5- PROFILE SEE SHTS.63 THRU 64	FOR -SR3- PROFILE SEE SHT.73
FOR -Y5RPC- PROFILE SEE SHT.66	

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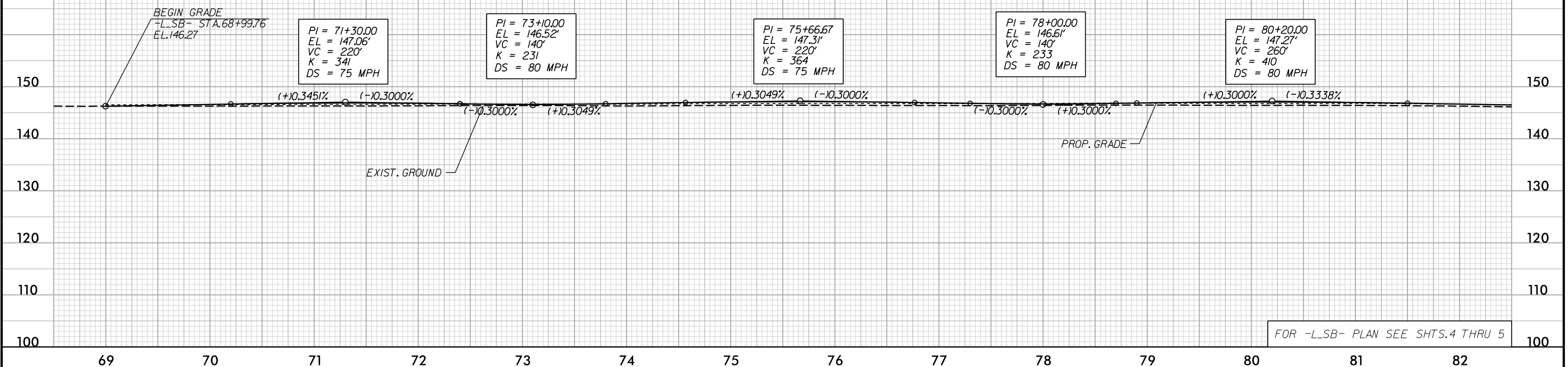
5/28/99

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License #: P-0999

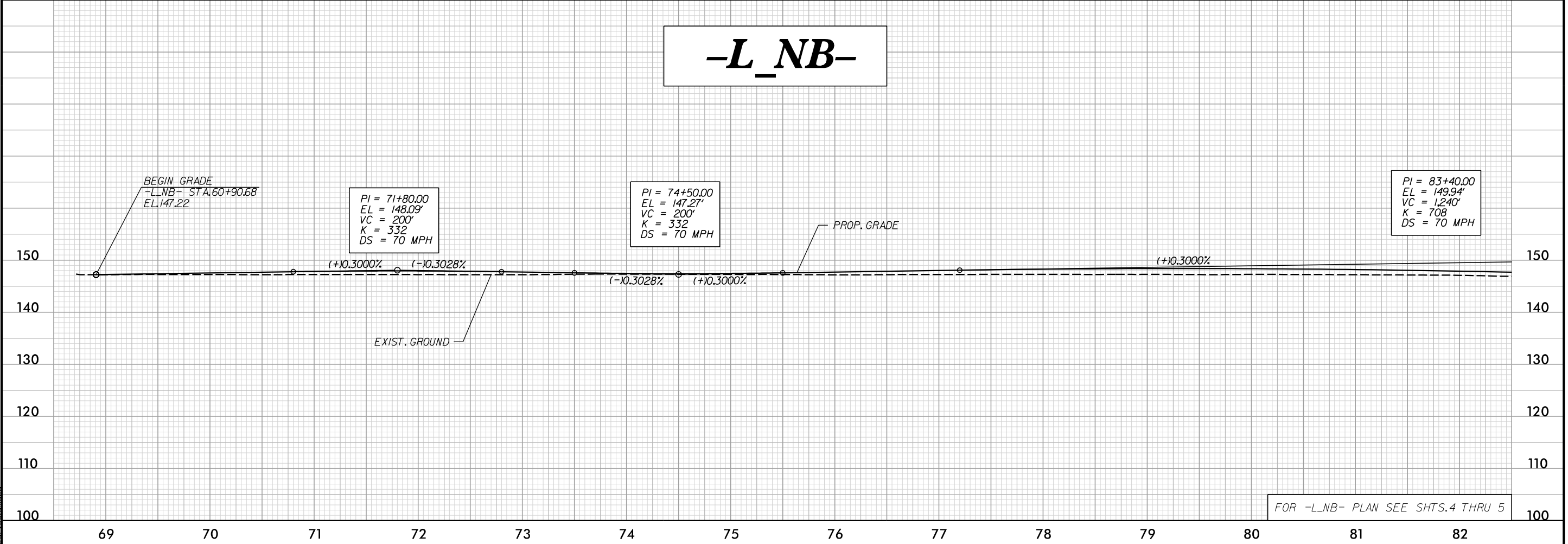
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ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

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-L_SB-



-L_NB-



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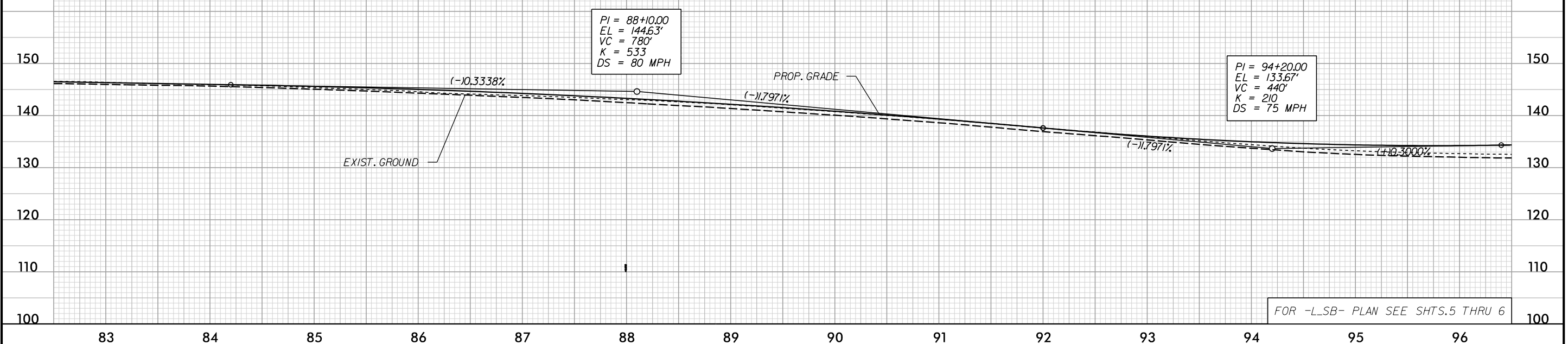
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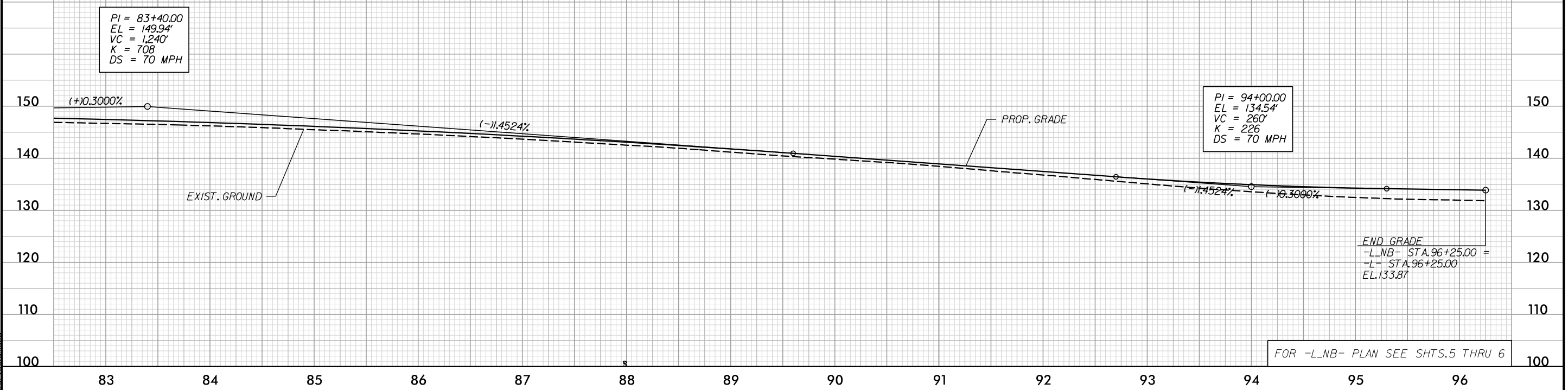
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ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

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-L_NB-



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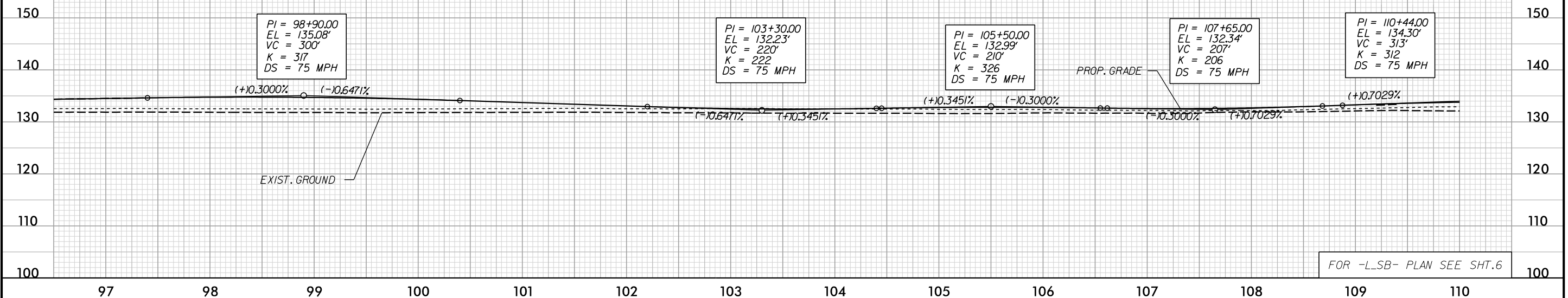
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PROJECT REFERENCE NO. 1-6064/1-5879	SHEET NO. 38
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

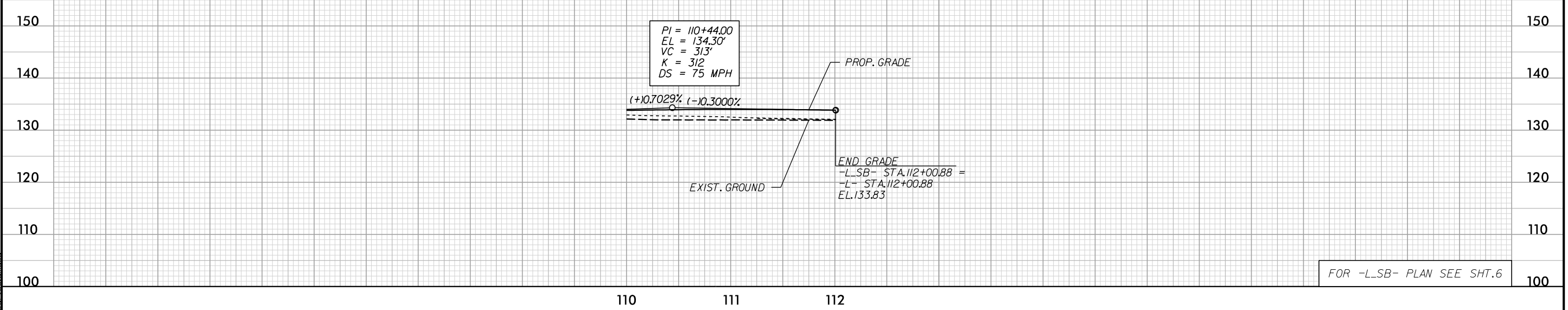
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FOR -L_SB- PLAN SEE SHT.6

-L_SB-



FOR -L_SB- PLAN SEE SHT.6

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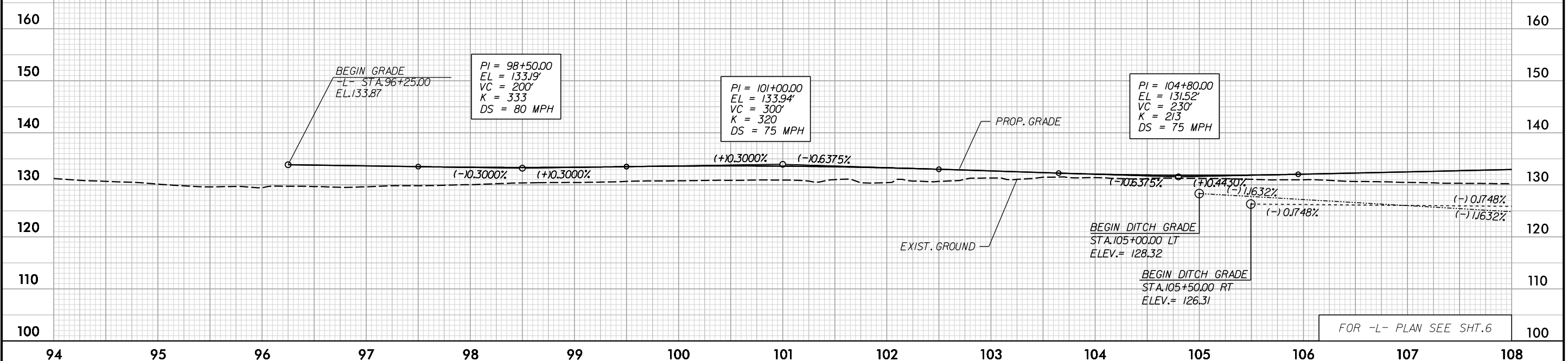
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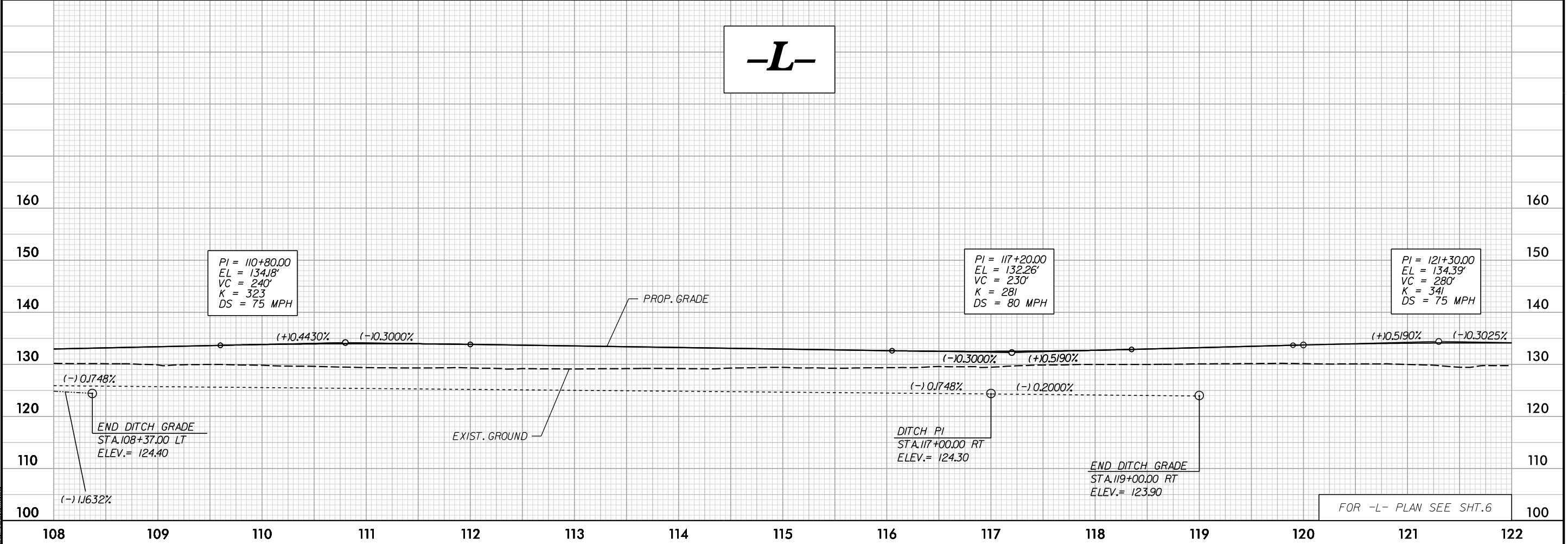
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ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

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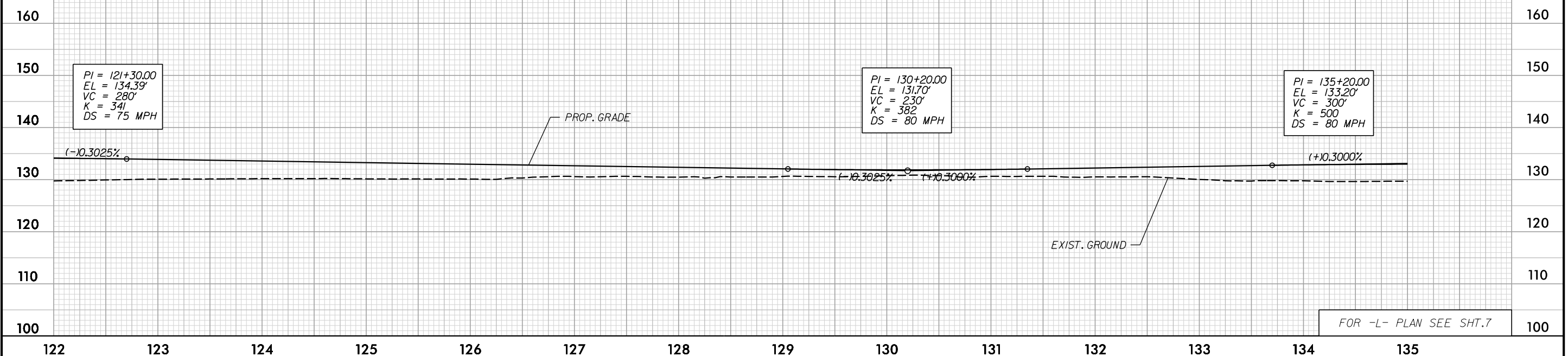
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PROJECT REFERENCE NO. 1-6064/1-5879	SHEET NO. 40
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

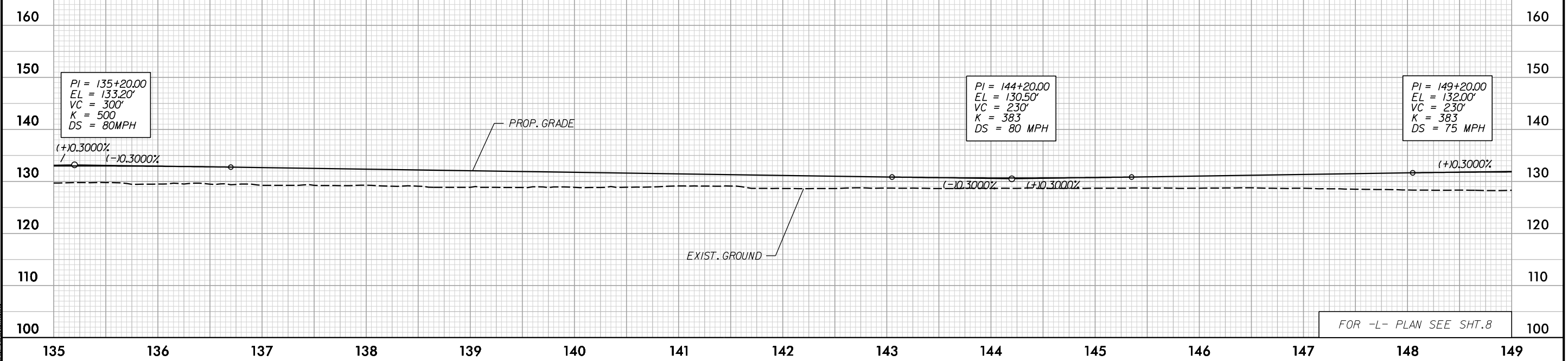
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-L-



FOR -L- PLAN SEE SHT.7

-L-



FOR -L- PLAN SEE SHT.8

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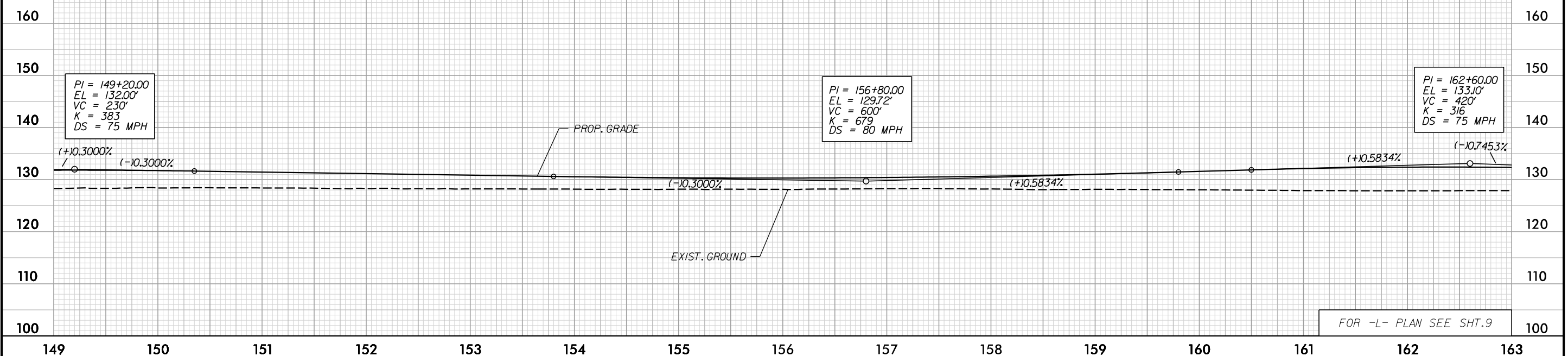
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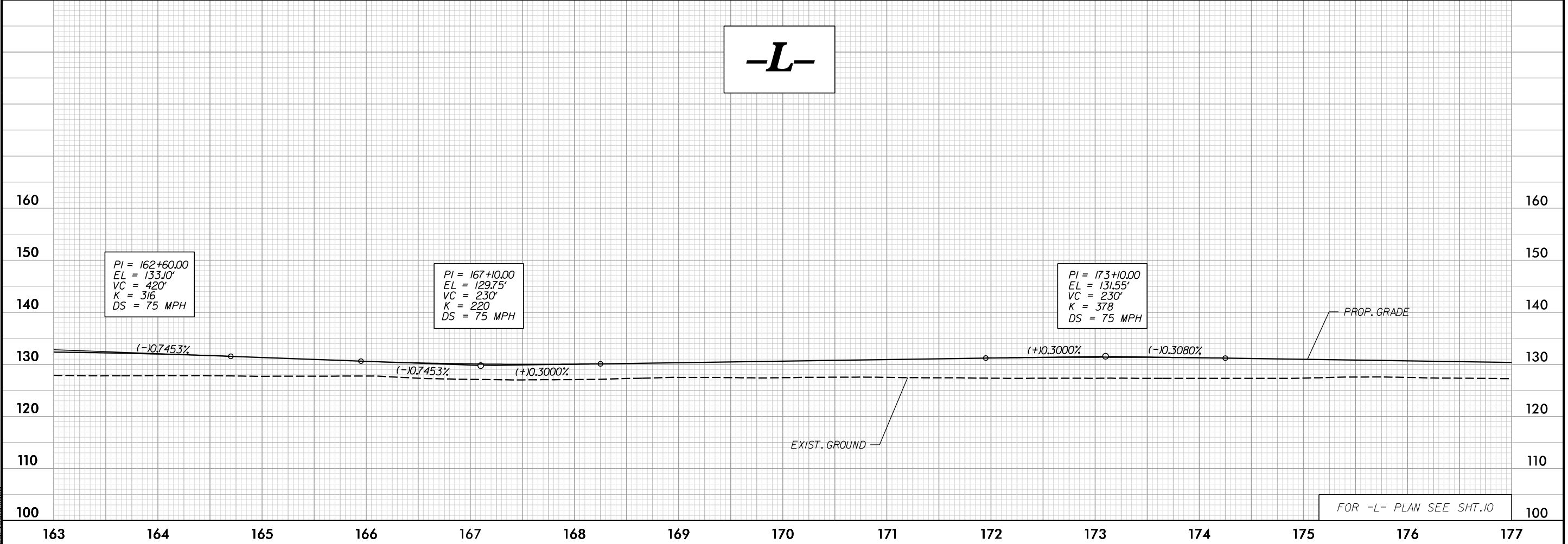
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ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

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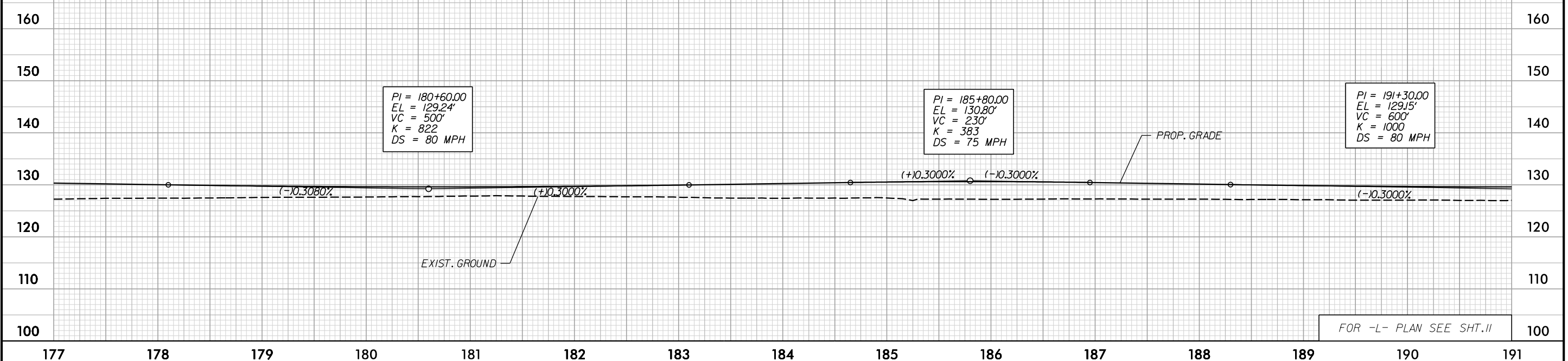
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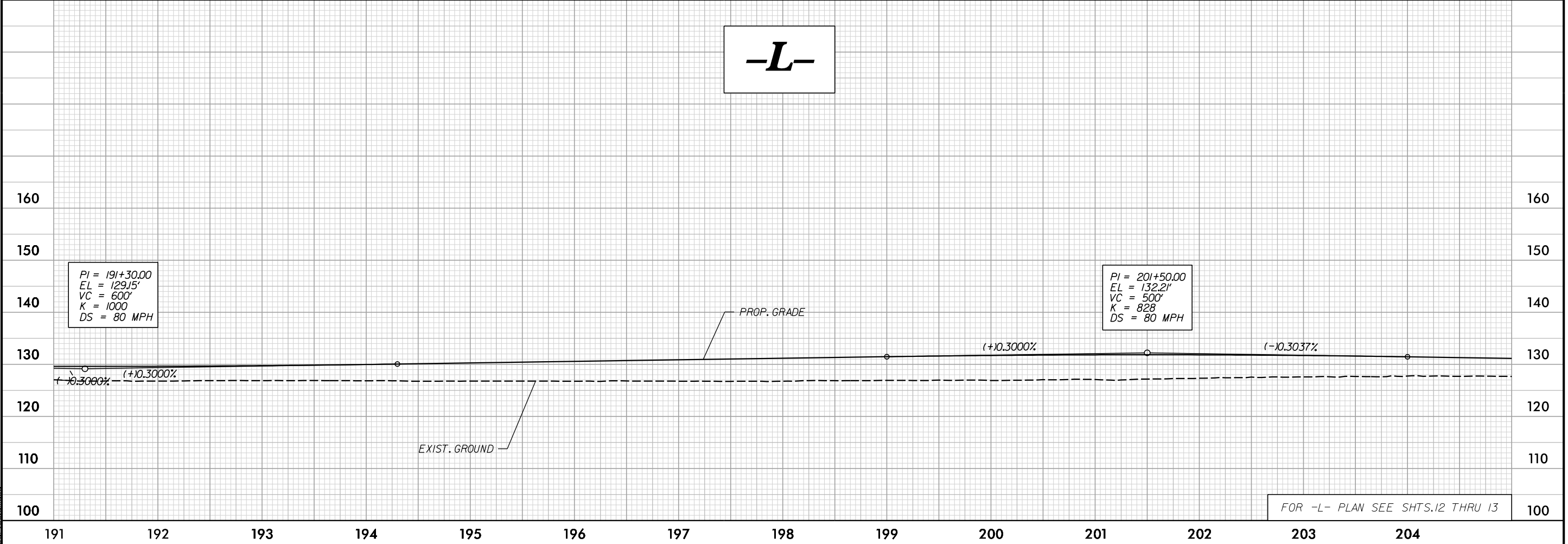
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ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

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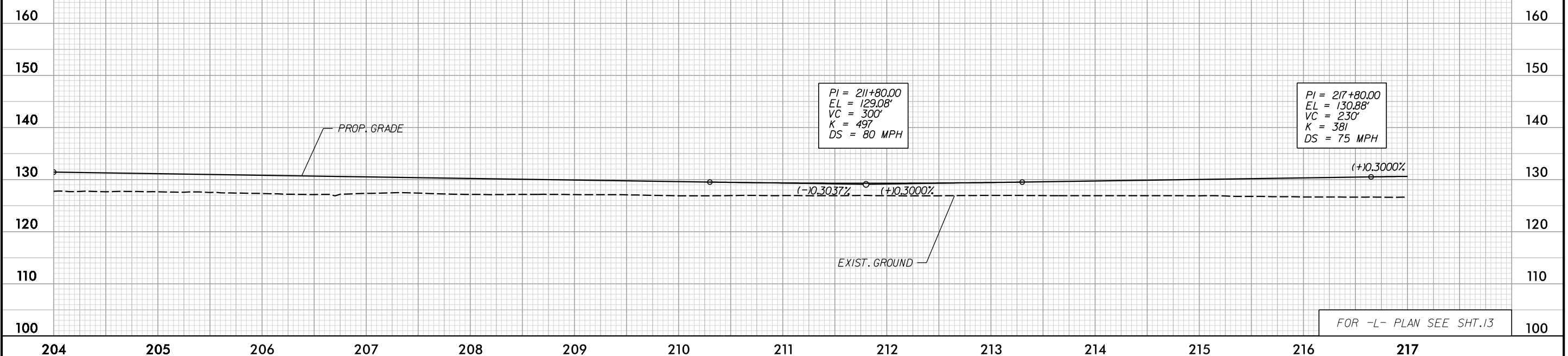
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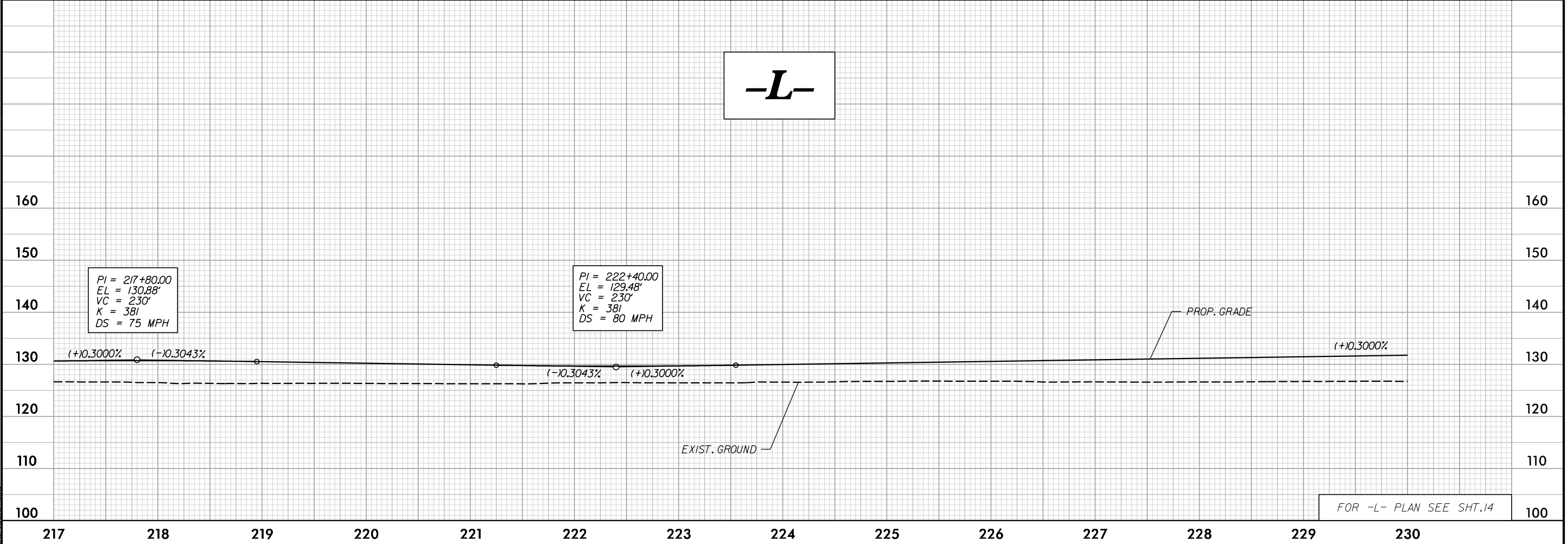
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ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

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FOR -L- PLAN SEE SHT.13

FOR -L- PLAN SEE SHT.14

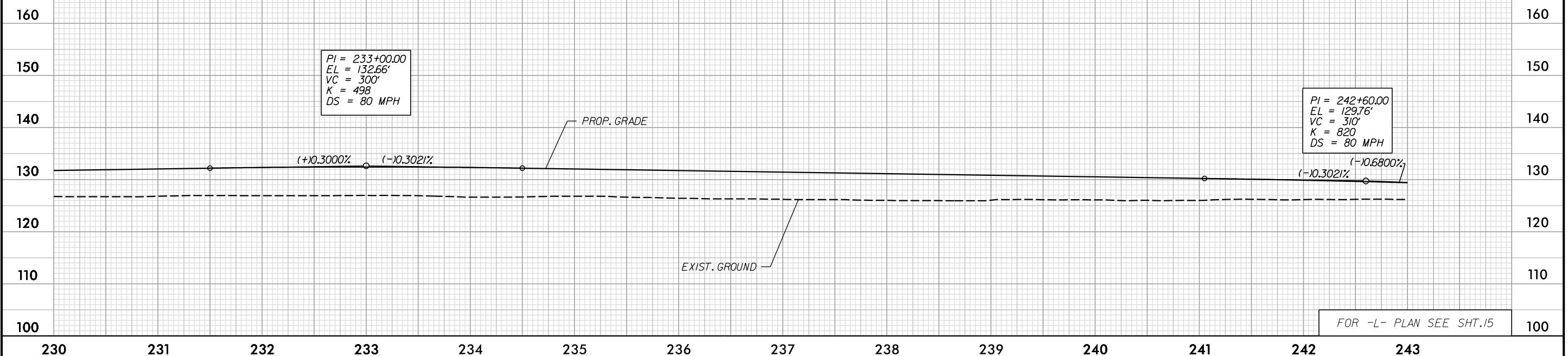
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PROJECT REFERENCE NO. 1-6064/1-5879	SHEET NO. 44
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

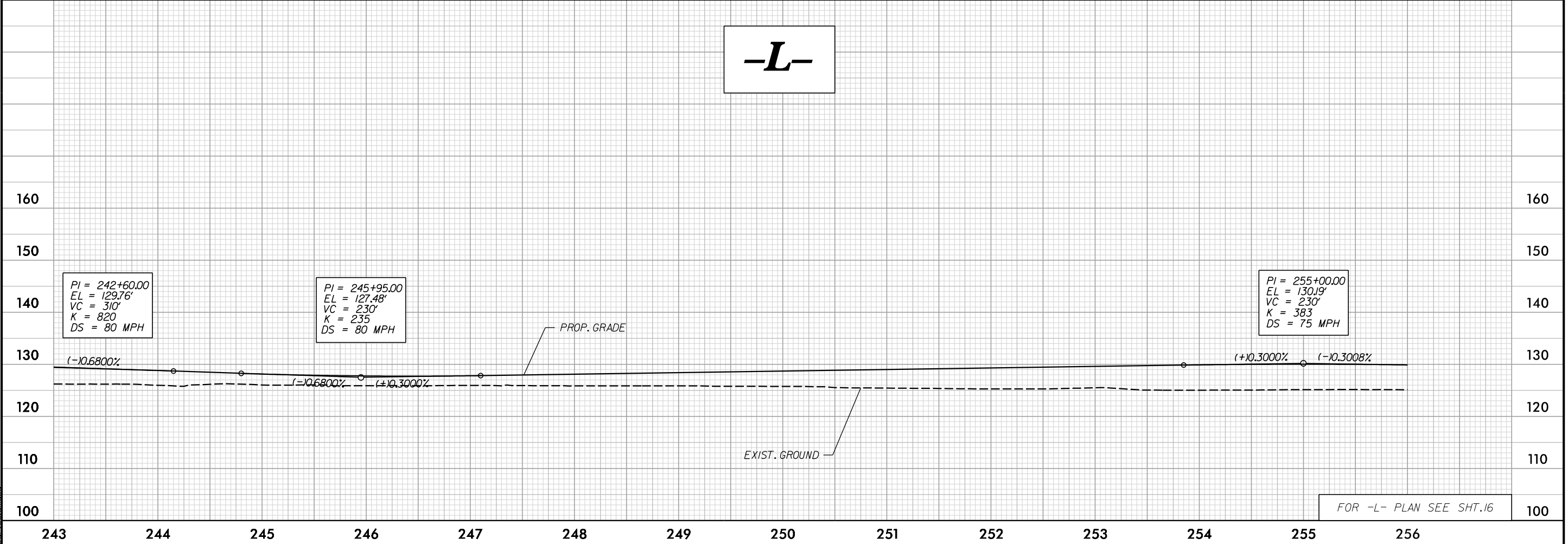
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FOR -L- PLAN SEE SHT.15

-L-



FOR -L- PLAN SEE SHT.16

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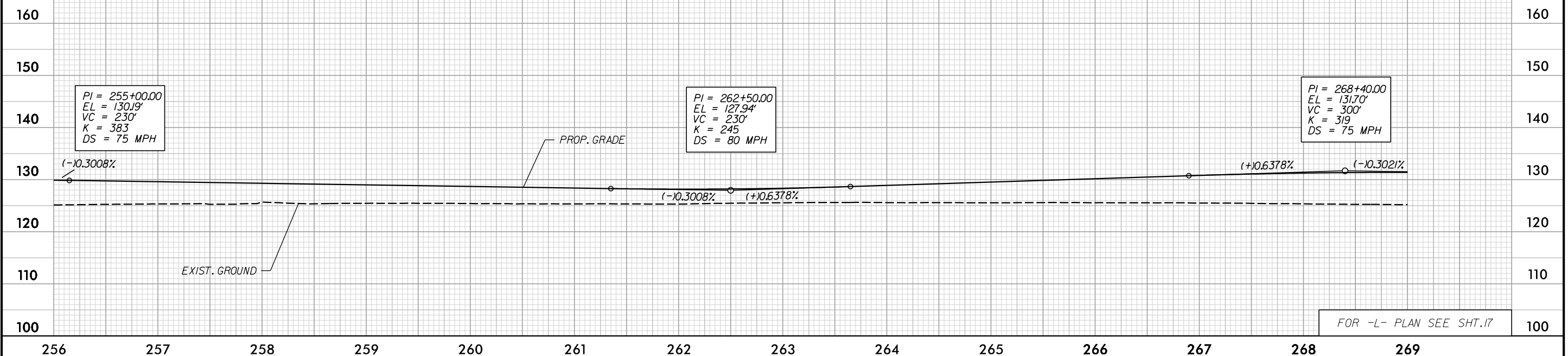
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 Phone: 803-822-5333
 License #: P-0999

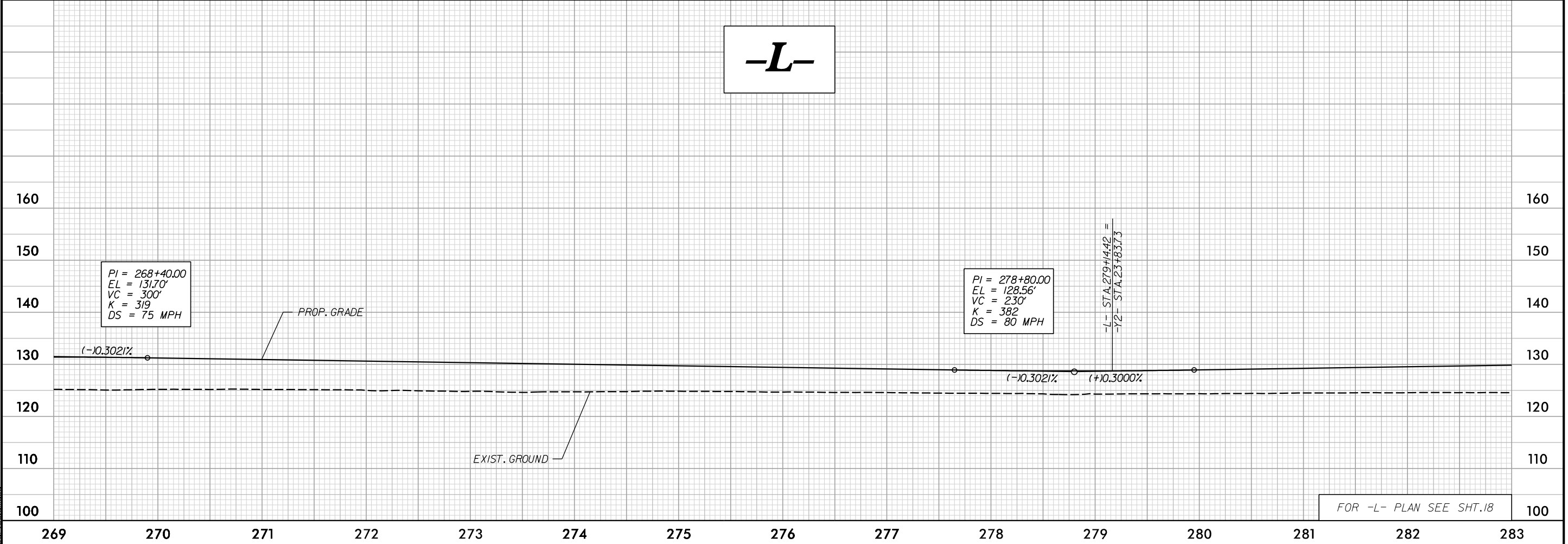
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ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

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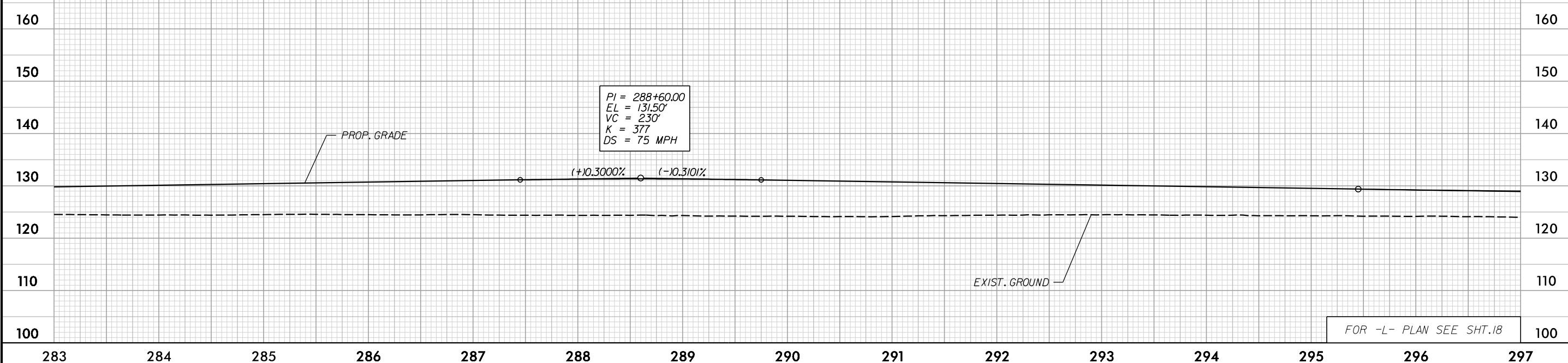
5/28/99

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 ICE of Carolinas, PLLC
 4505 Falls of Neuse Road, Suite 110
 Raleigh, North Carolina 27609
 Phone: 803-822-5333
 License #: P-0999

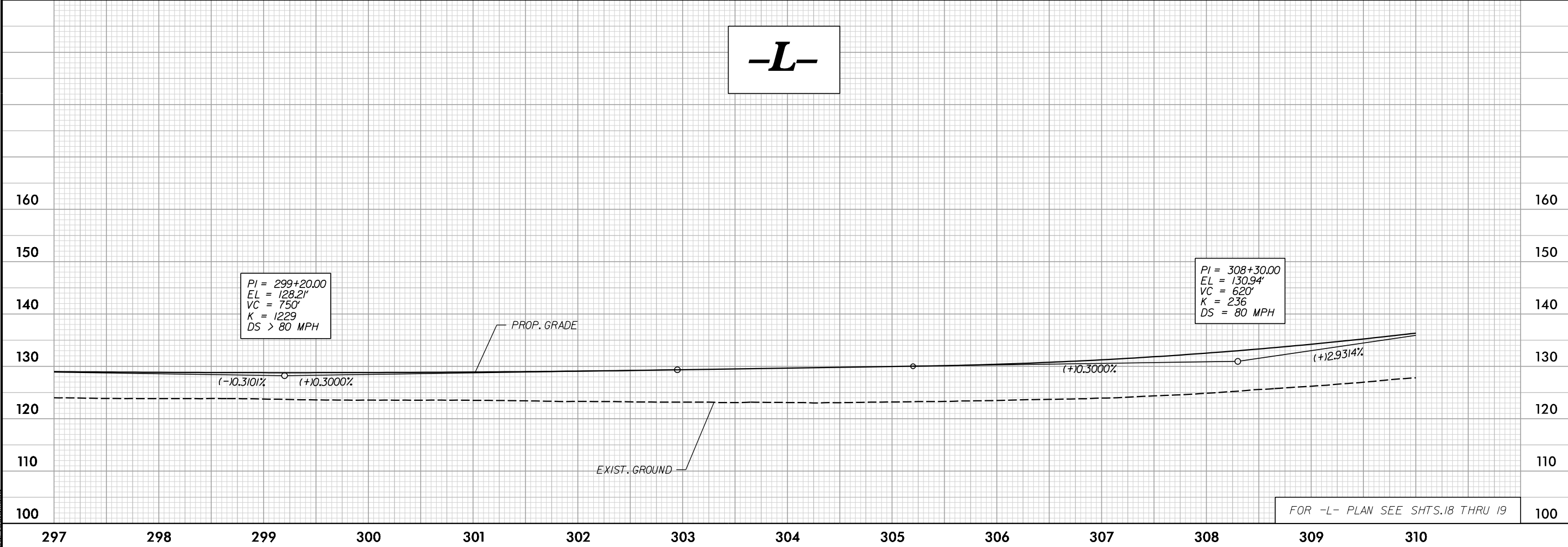
PROJECT REFERENCE NO. 1-6064/1-5879	SHEET NO. 46
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

**DOCUMENT NOT CONSIDERED FINAL
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-L-



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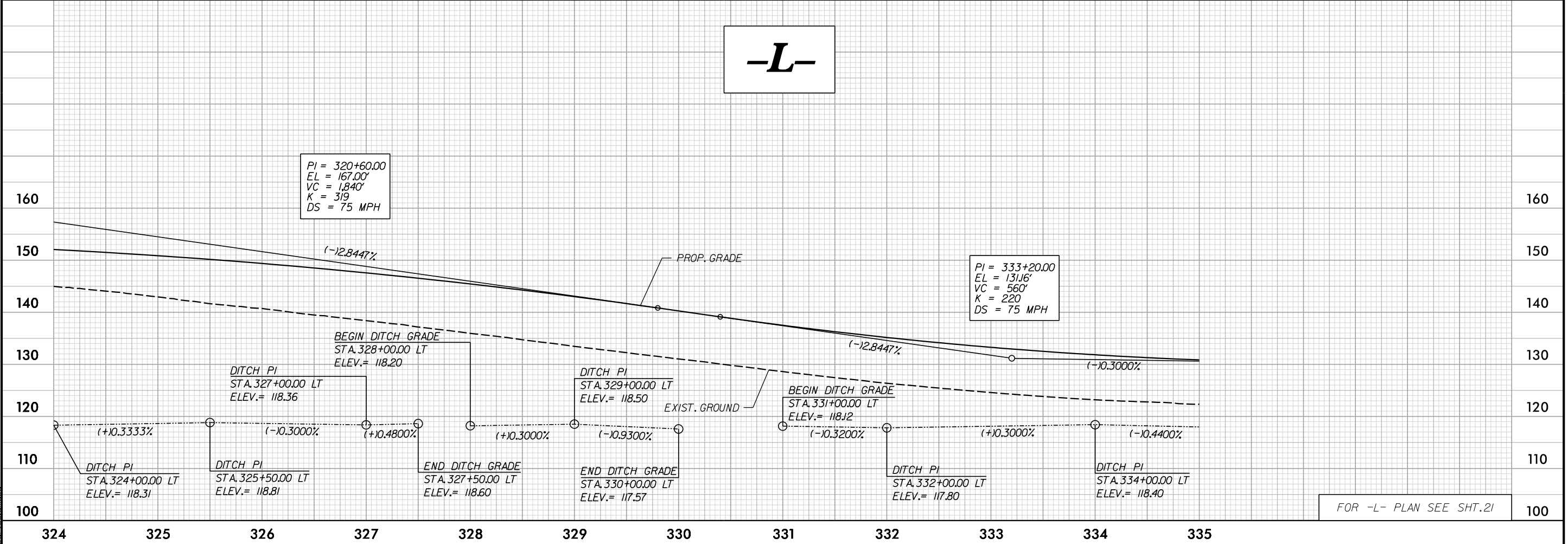
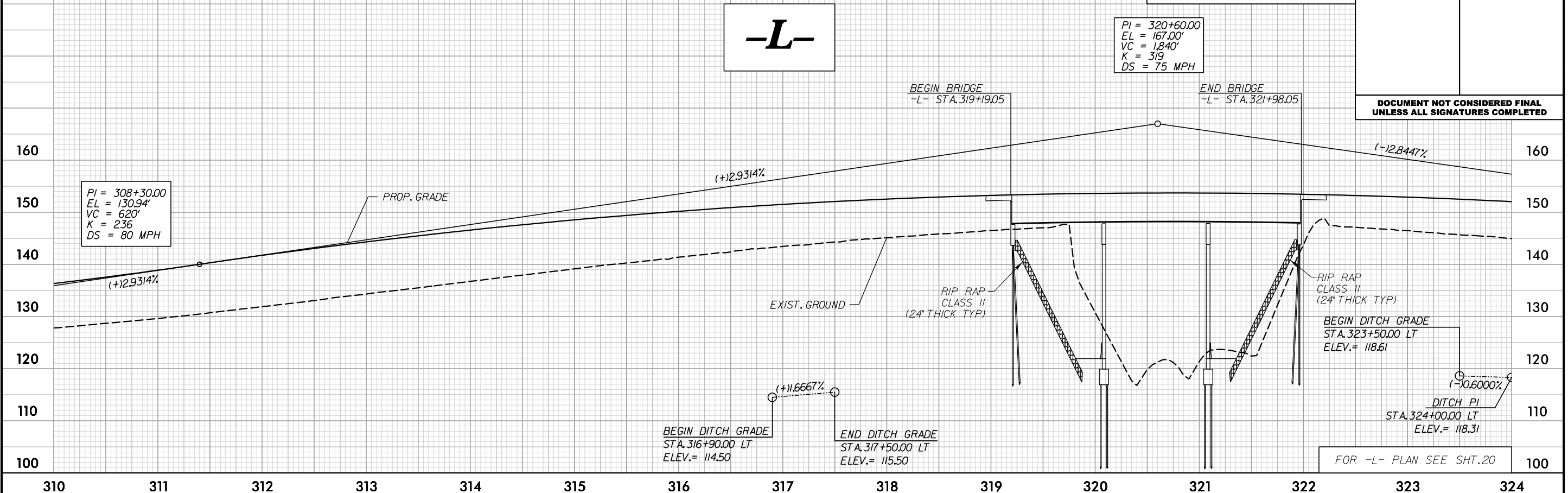
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Raleigh, North Carolina 27609
Phone: 803-822-5333
License #: P-0999

PROJECT REFERENCE NO. 1-6064/1-5879	SHEET NO. 47
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

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5/28/99

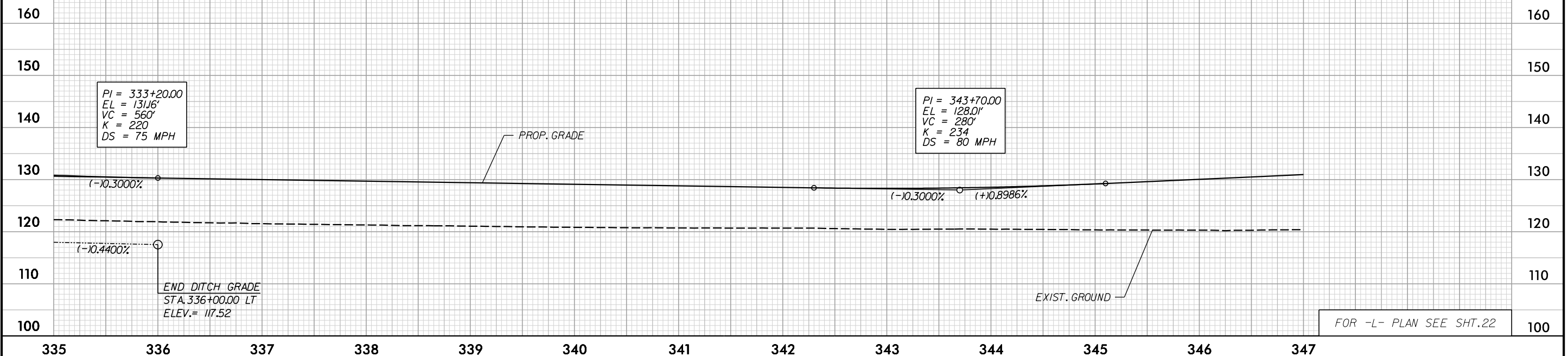
ICE of CAROLINAS, PLLC

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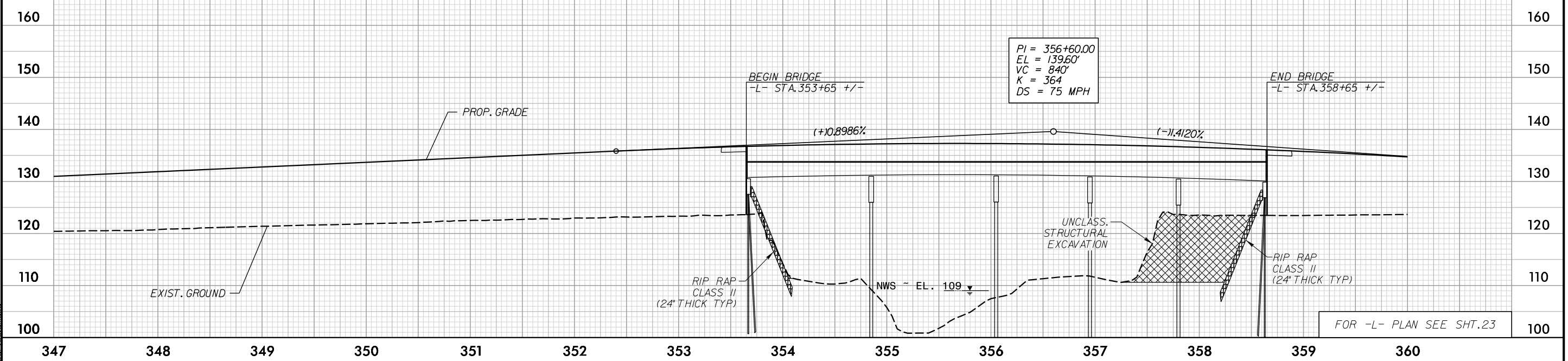
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ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

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-L-



-L-



3/17/97 PM
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FOR -L- PLAN SEE SHT.23

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PROJECT REFERENCE NO.

1-6064/1-5879

SHEET NO.

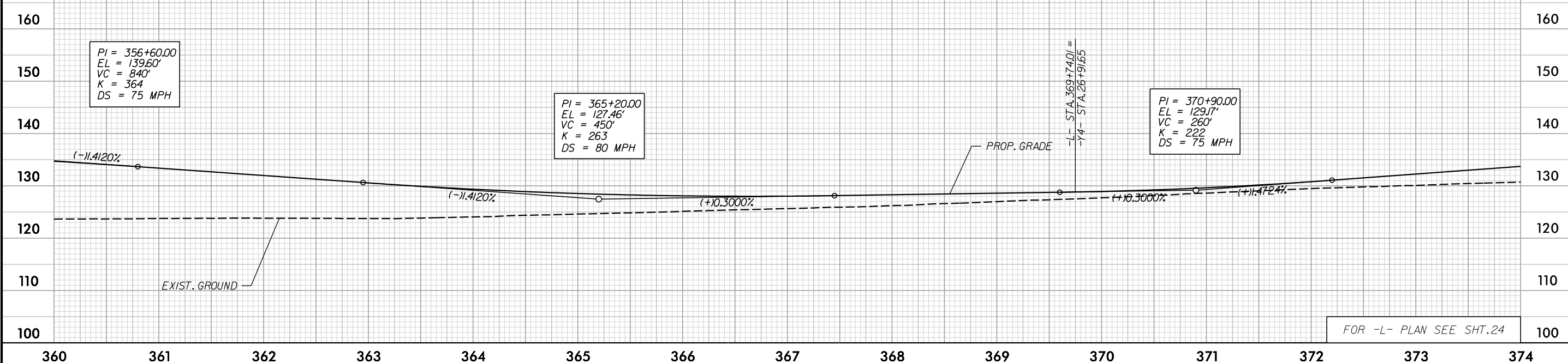
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ROADWAY DESIGN ENGINEER

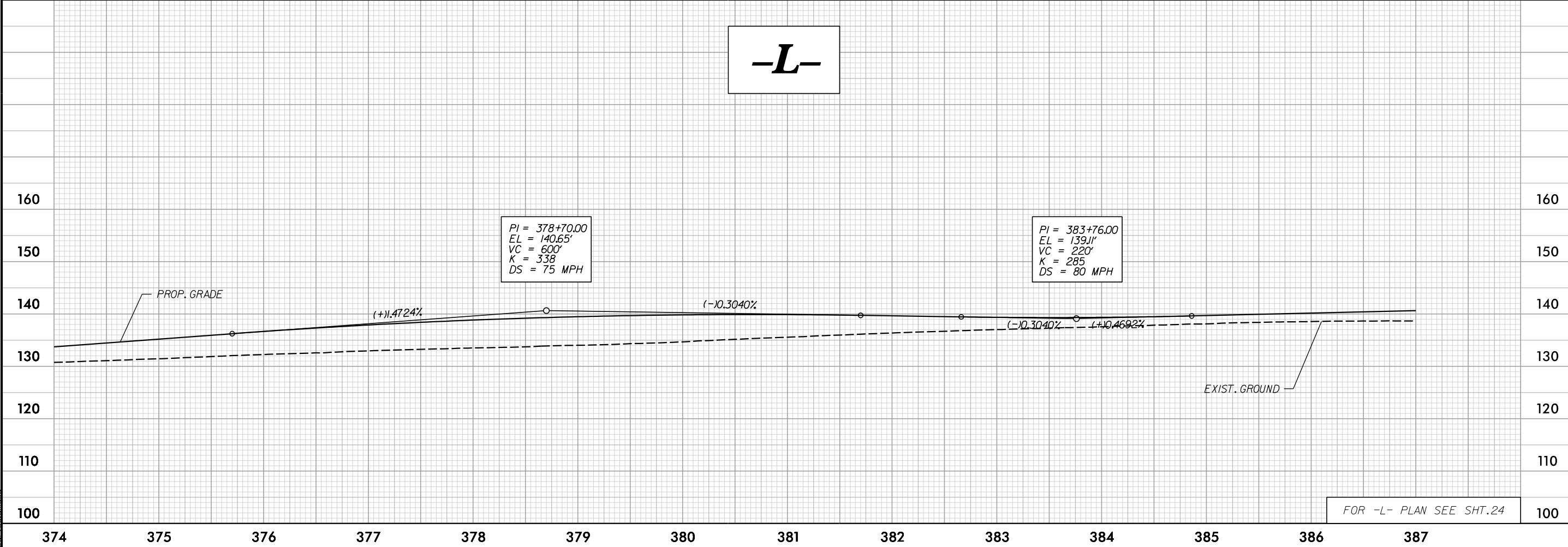
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-L-



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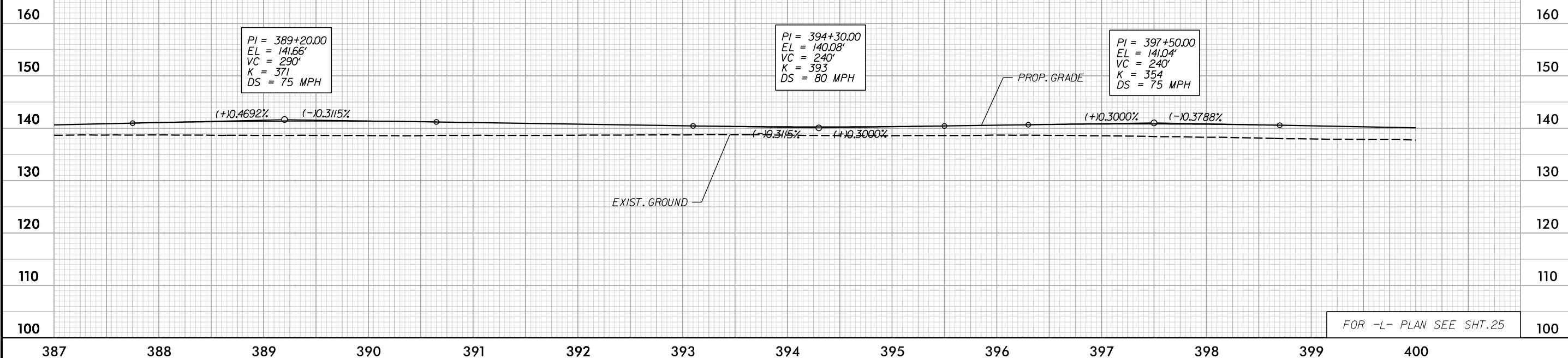
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PROJECT REFERENCE NO. 1-6064/1-5879	SHEET NO. 50
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

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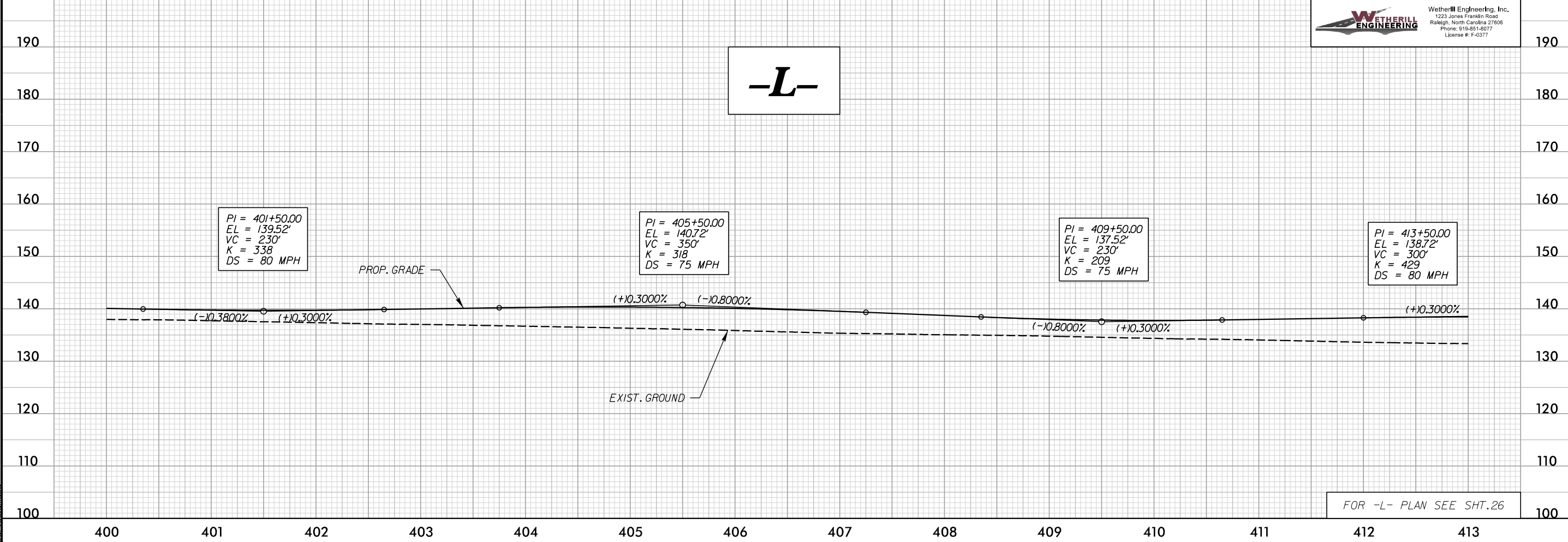
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-L-



FOR -L- PLAN SEE SHT.26

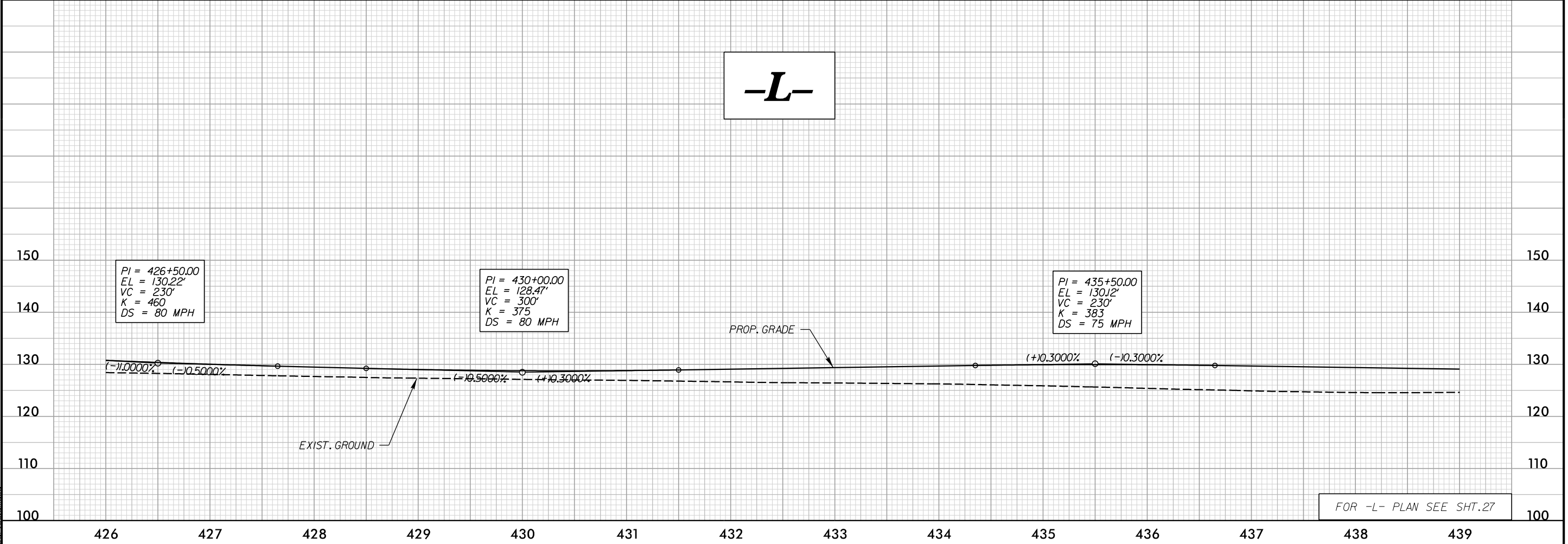
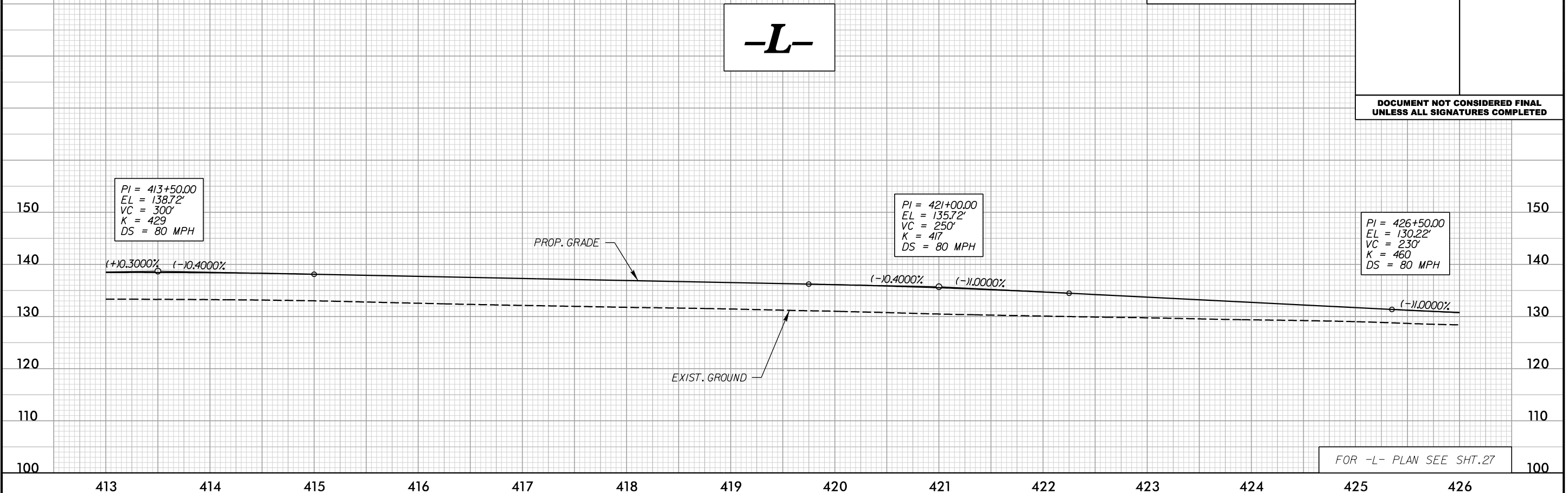
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PROJECT REFERENCE NO. 1-6064/1-5879	SHEET NO. 51
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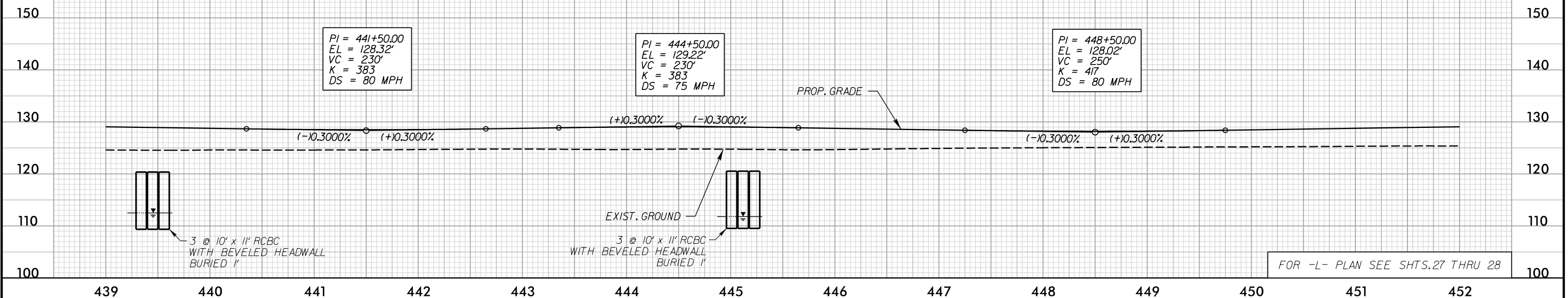


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5/28/99

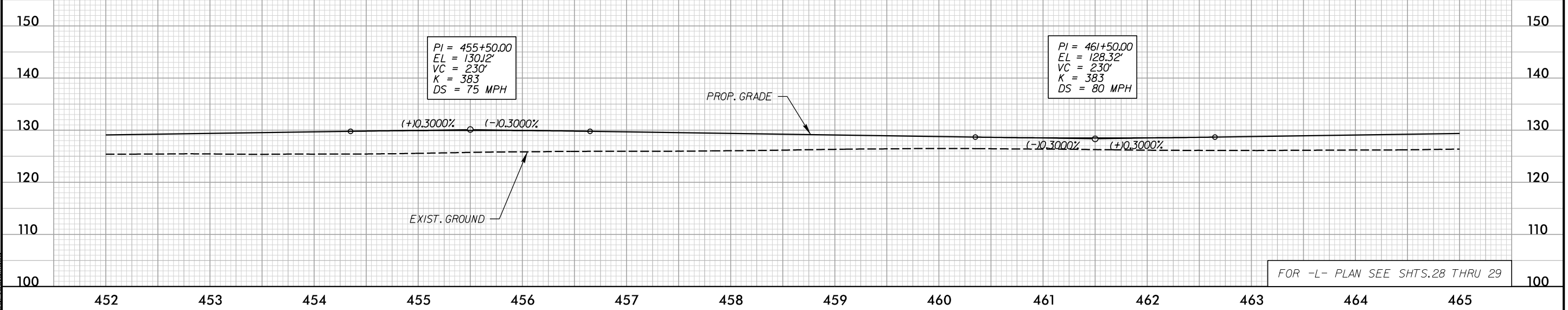
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FOR -L- PLAN SEE SHTS.27 THRU 28

-L-



FOR -L- PLAN SEE SHTS.28 THRU 29

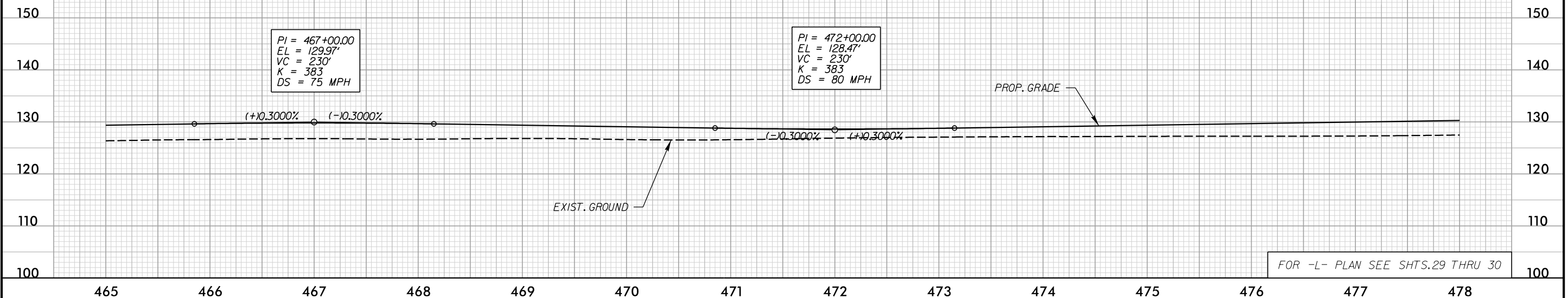
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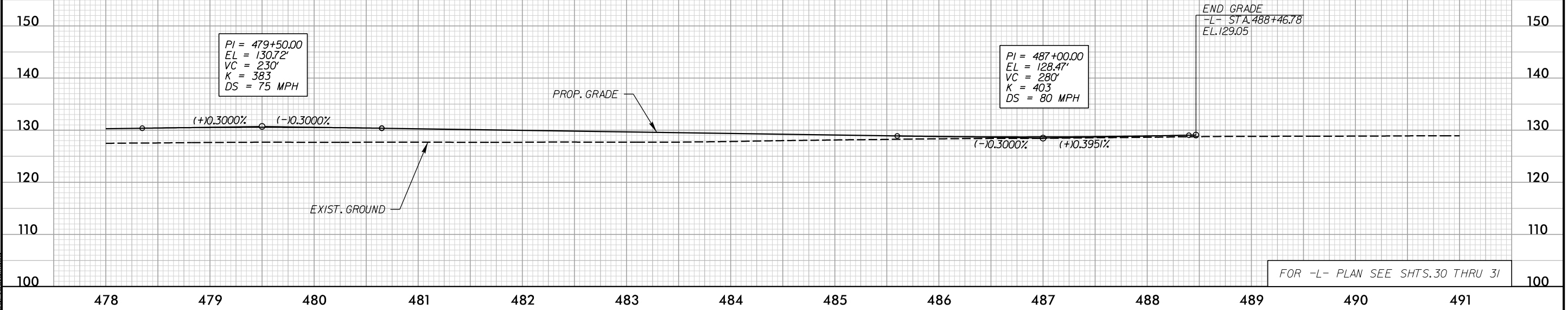
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ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER
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FOR -L- PLAN SEE SHTS.29 THRU 30

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FOR -L- PLAN SEE SHTS.30 THRU 31

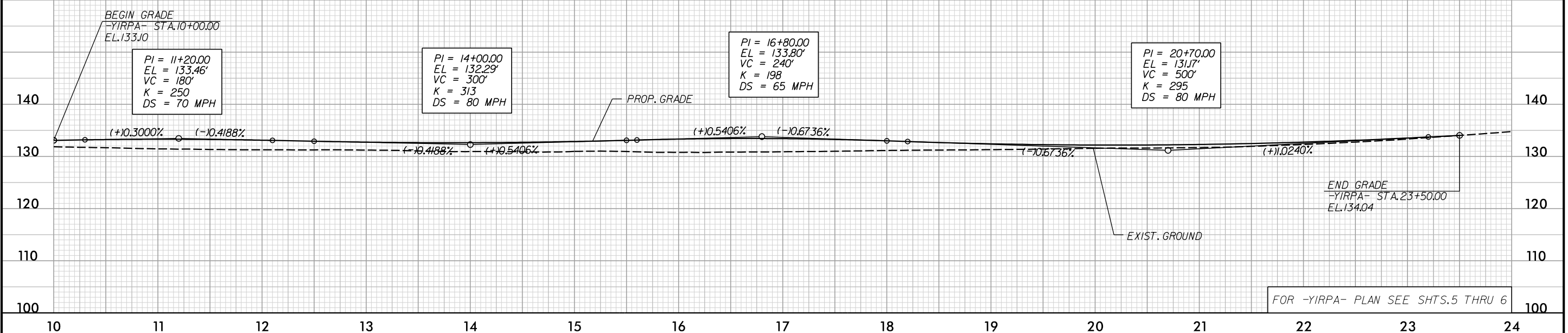
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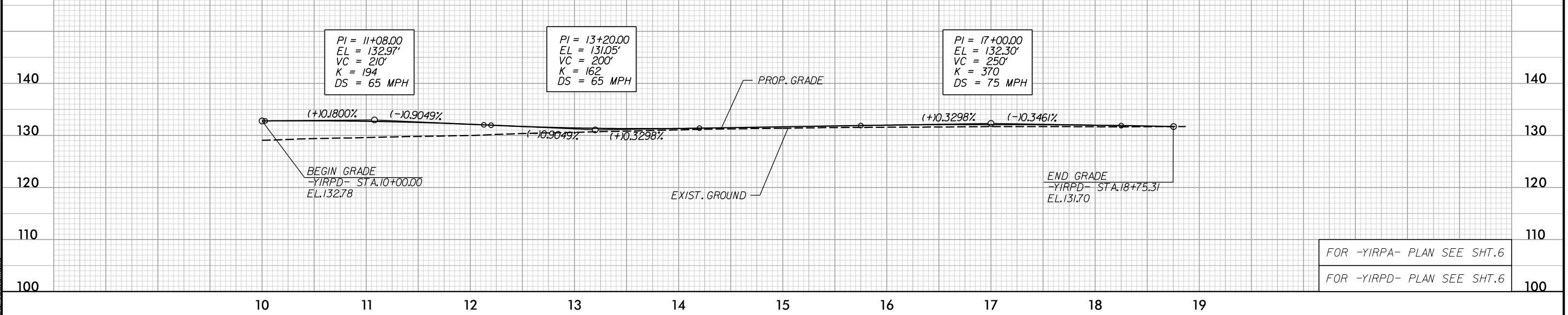
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PROJECT REFERENCE NO. 1-6064/1-5879	SHEET NO. 54
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER
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-YIRPA-



-YIRPD-



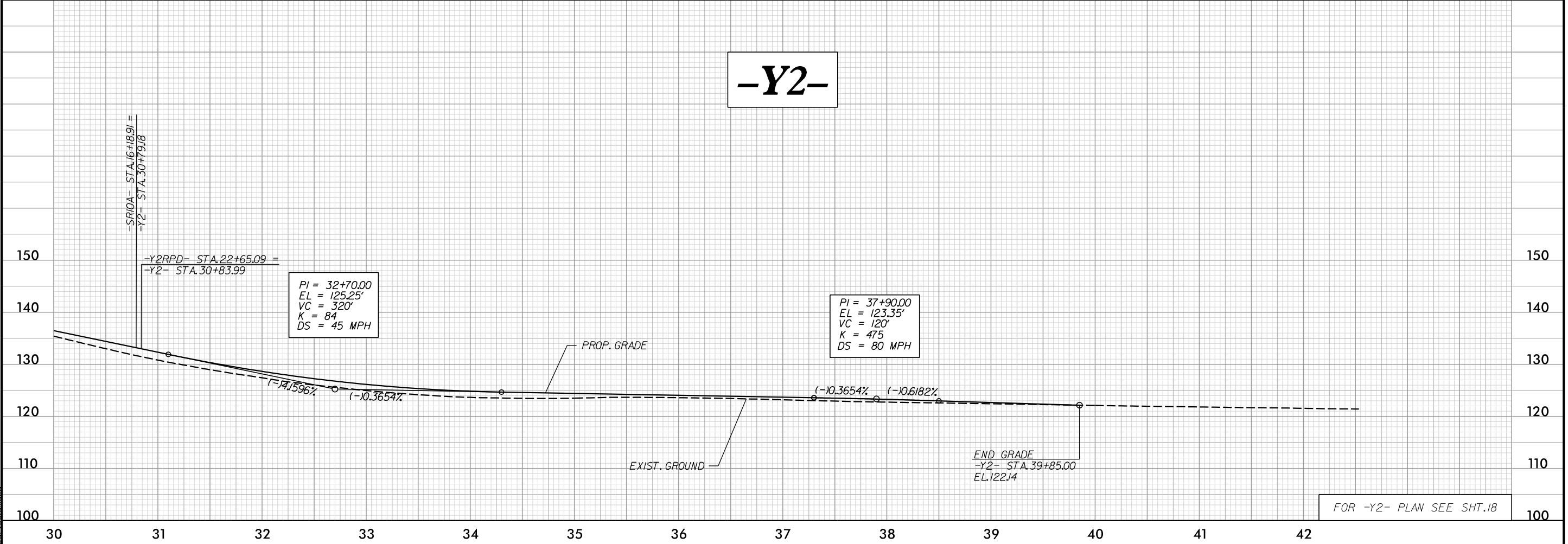
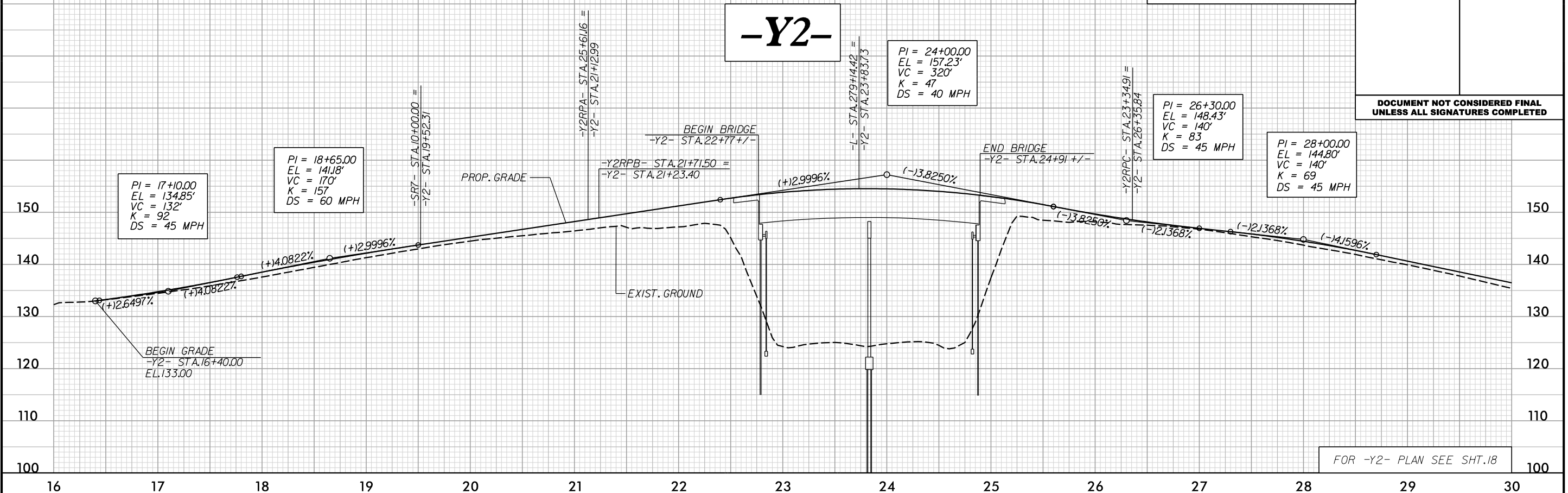
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PROJECT REFERENCE NO. 1-6064/1-5879	SHEET NO. 55
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

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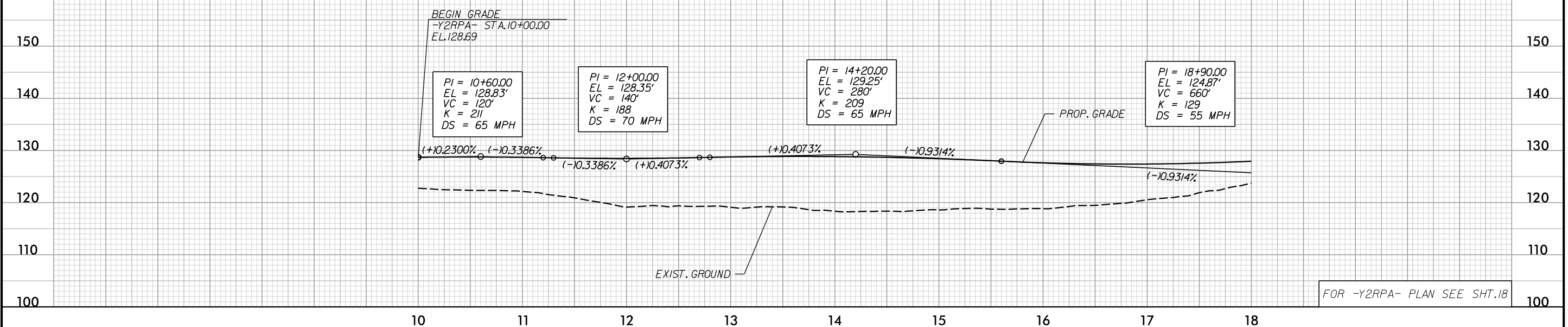
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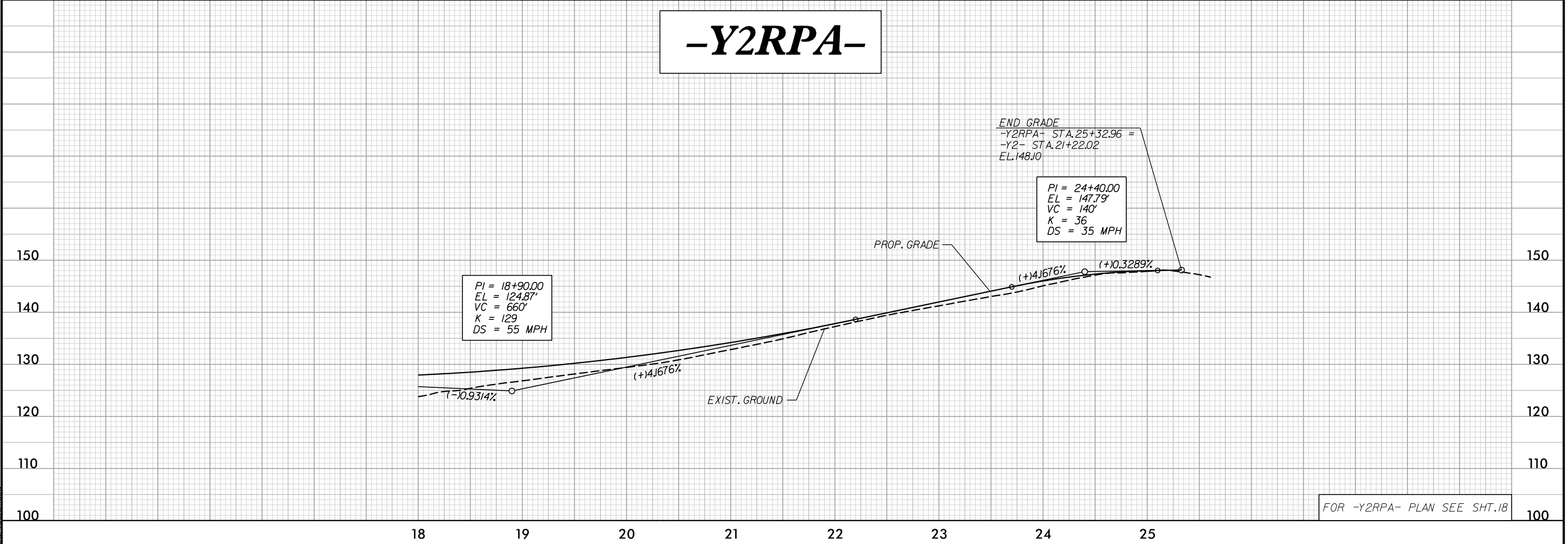
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PROJECT REFERENCE NO. 1-6064/1-5879	SHEET NO. 56
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER
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-Y2RPA-



-Y2RPA-



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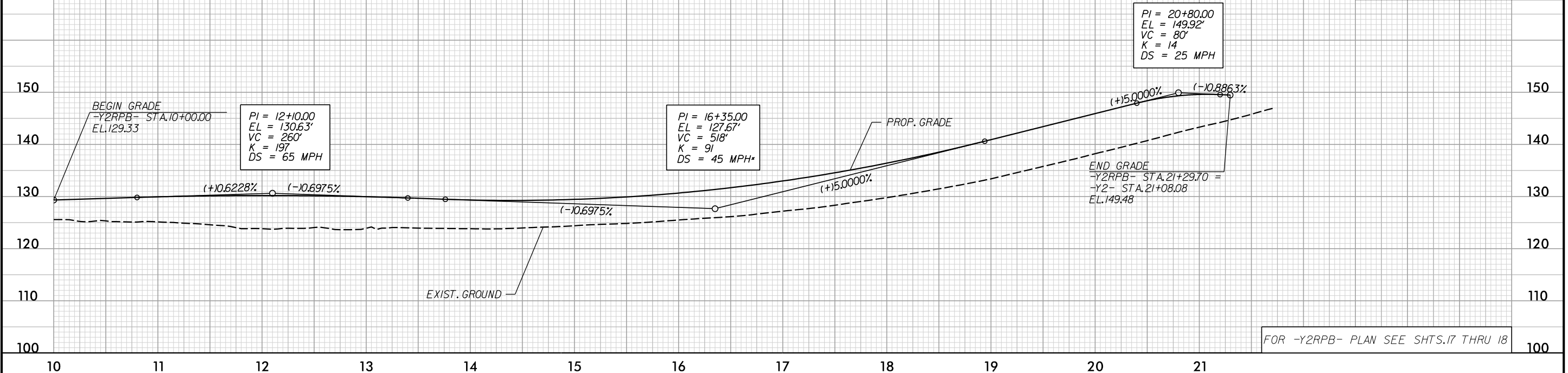
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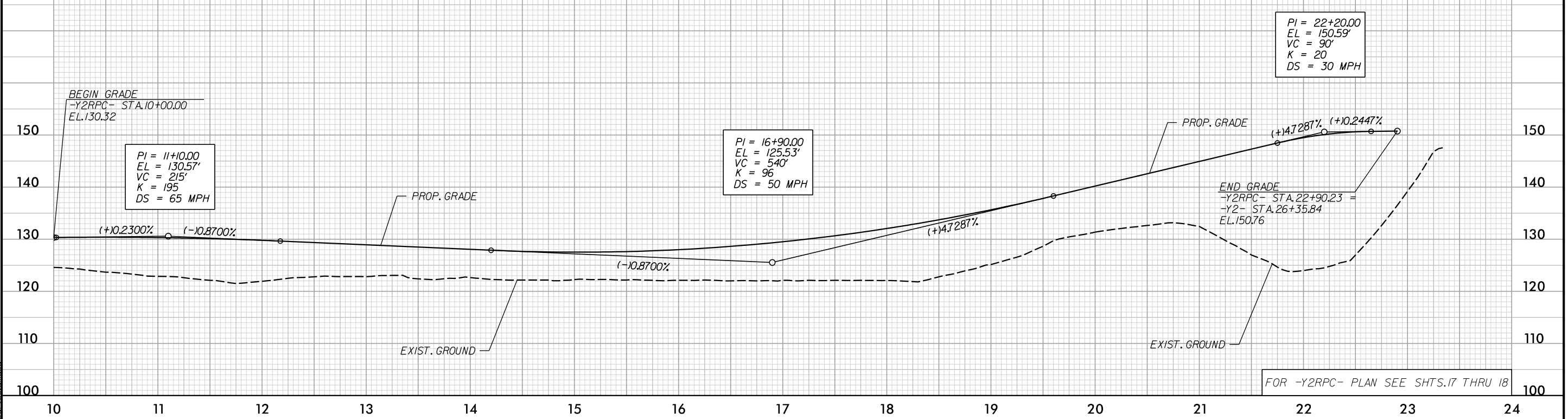
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ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

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-Y2RPB-



-Y2RPC-



3:46:56 PM
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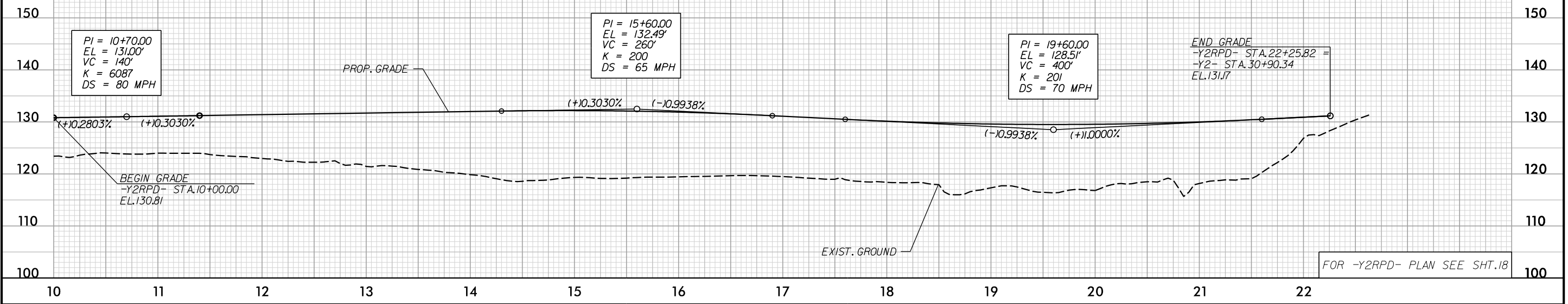
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ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

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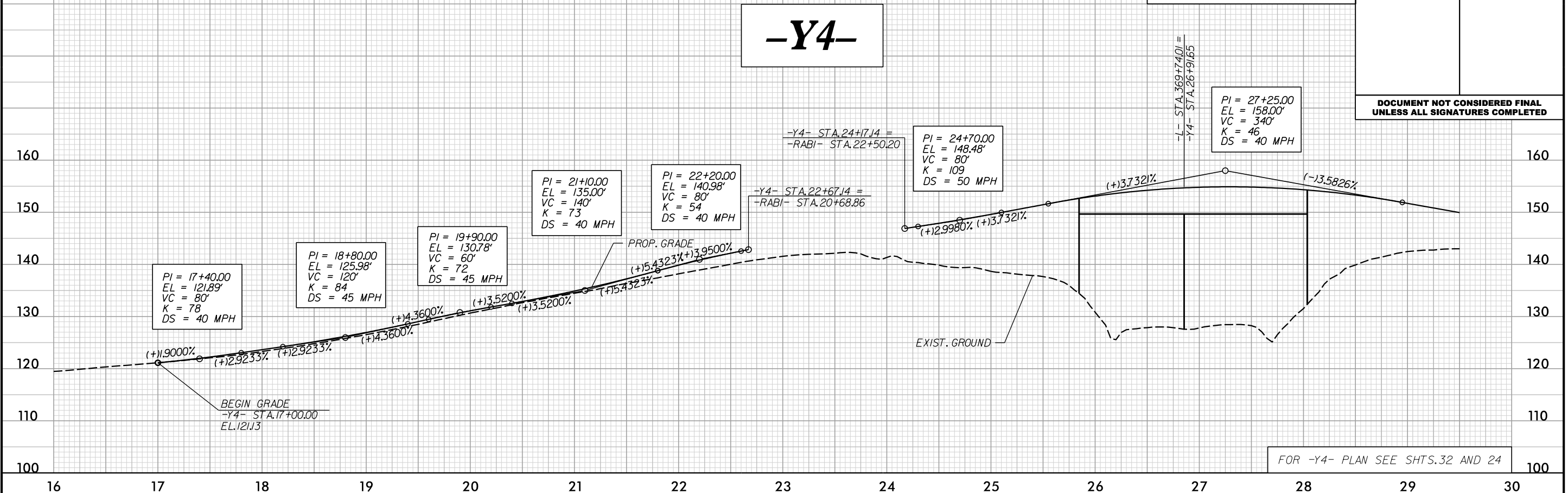


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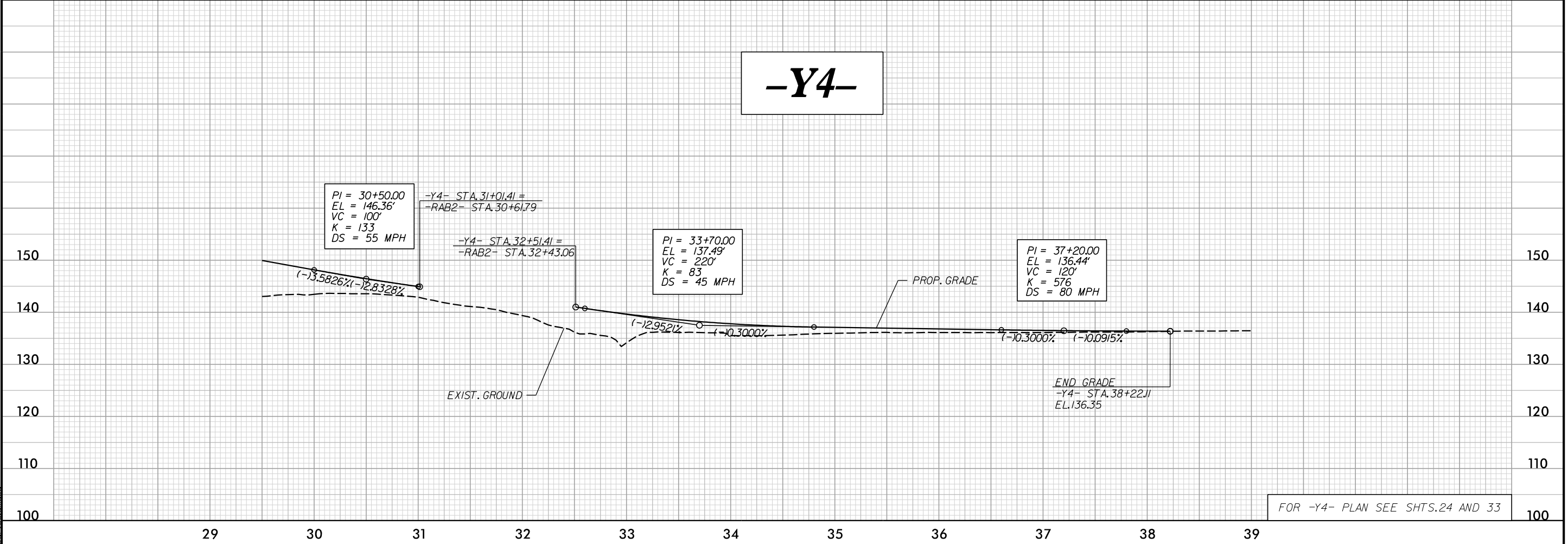
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PROJECT REFERENCE NO. 1-6064/1-5879	SHEET NO. 59
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

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FOR -Y4- PLAN SEE SHTS. 32 AND 24



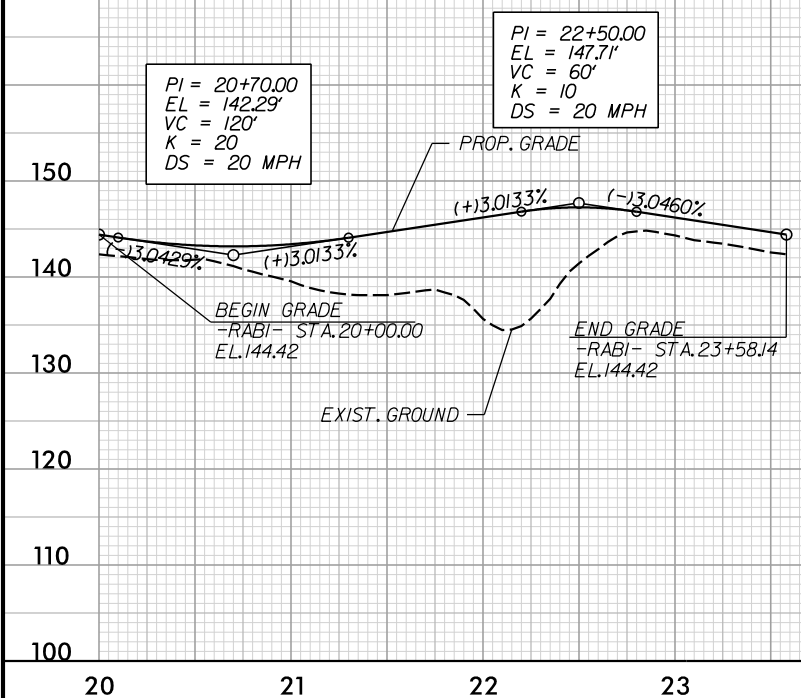
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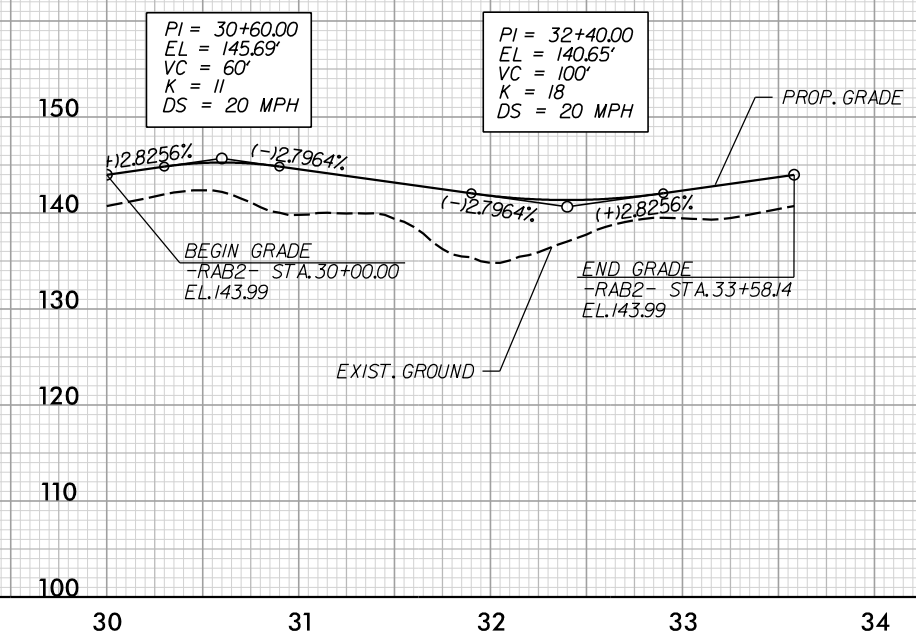
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PROJECT REFERENCE NO. 1-6064/1-5879	SHEET NO. 60
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER
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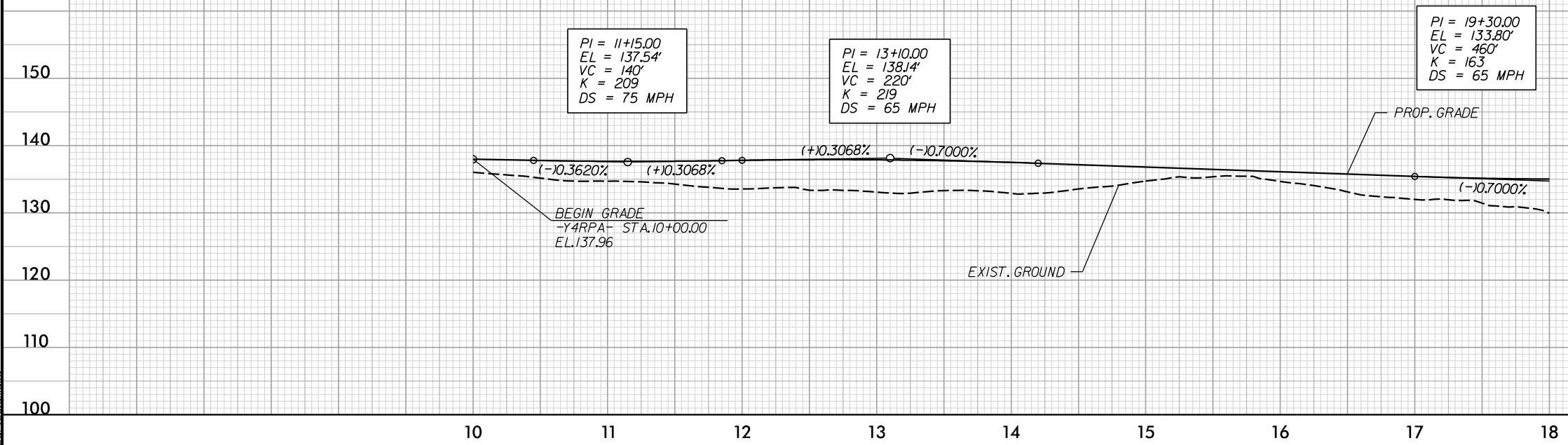


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FOR -RAB1- PLAN SEE SHT.24
 FOR -RAB2- PLAN SEE SHT.24

-Y4RPA-



FOR -Y4RPA- PLAN SEE SHT.24

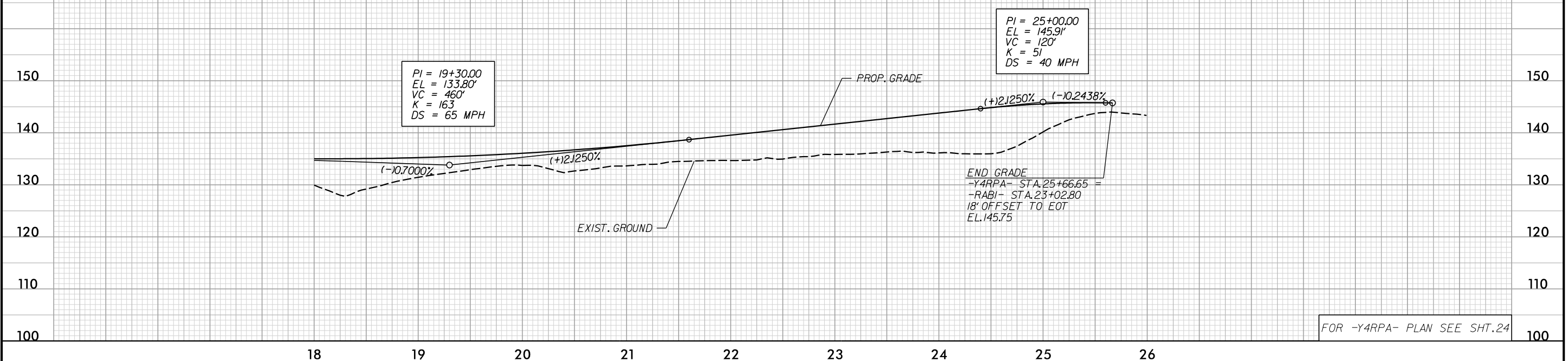
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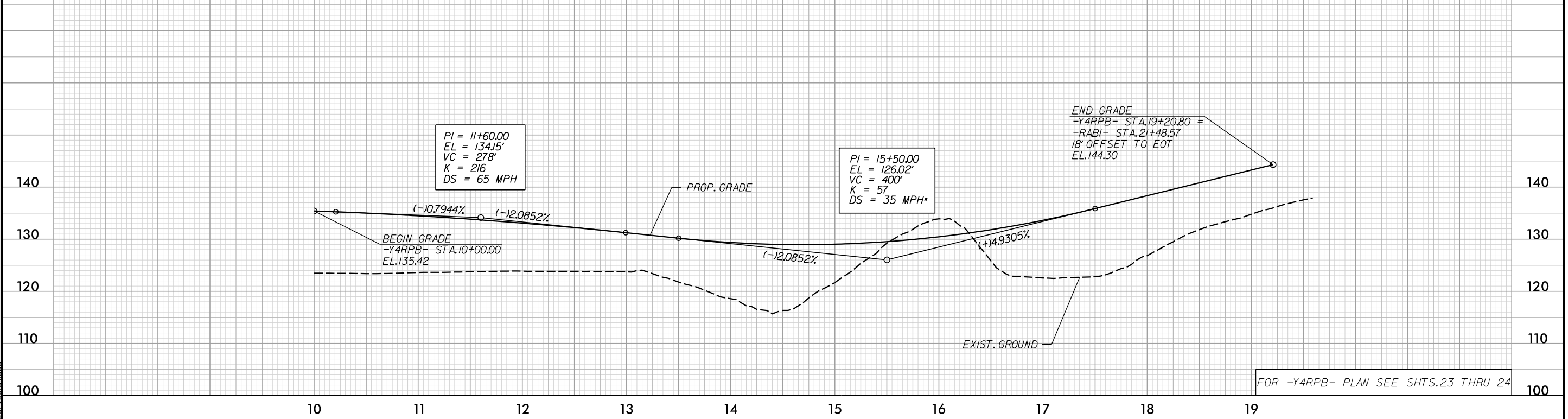
PROJECT REFERENCE NO. 1-6064/1-5879	SHEET NO. 61
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

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-Y4RPA-



-Y4RPB-



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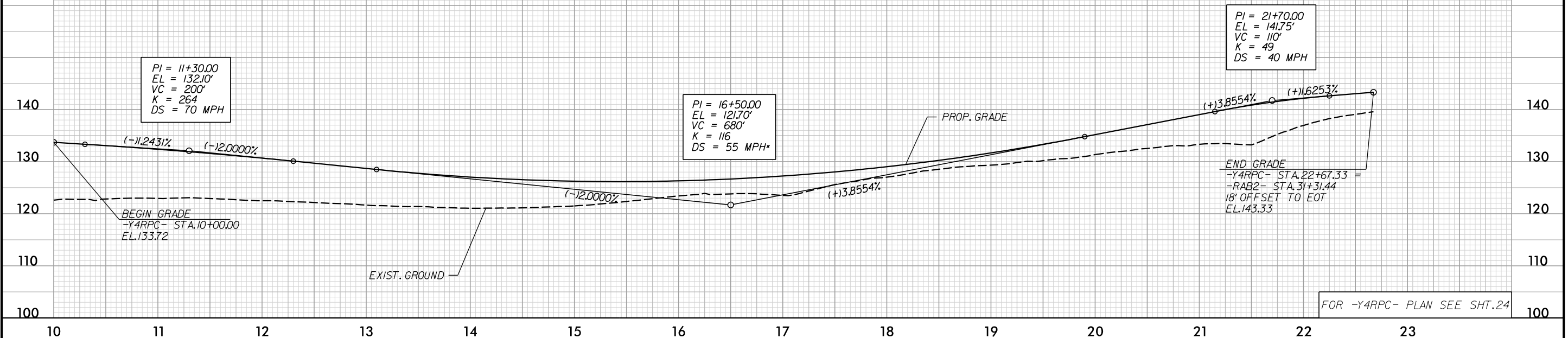


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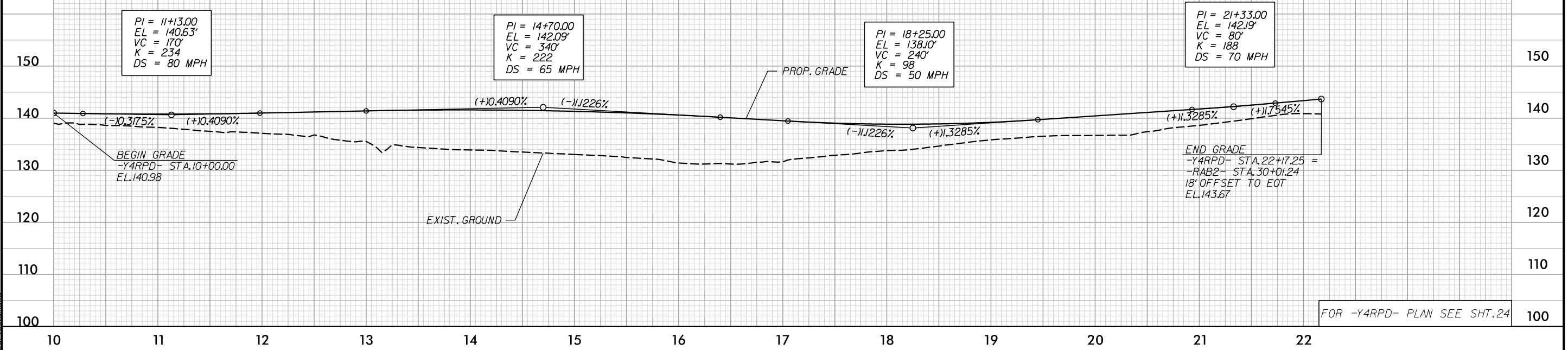
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ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

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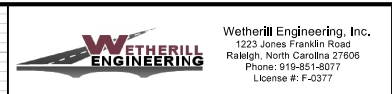
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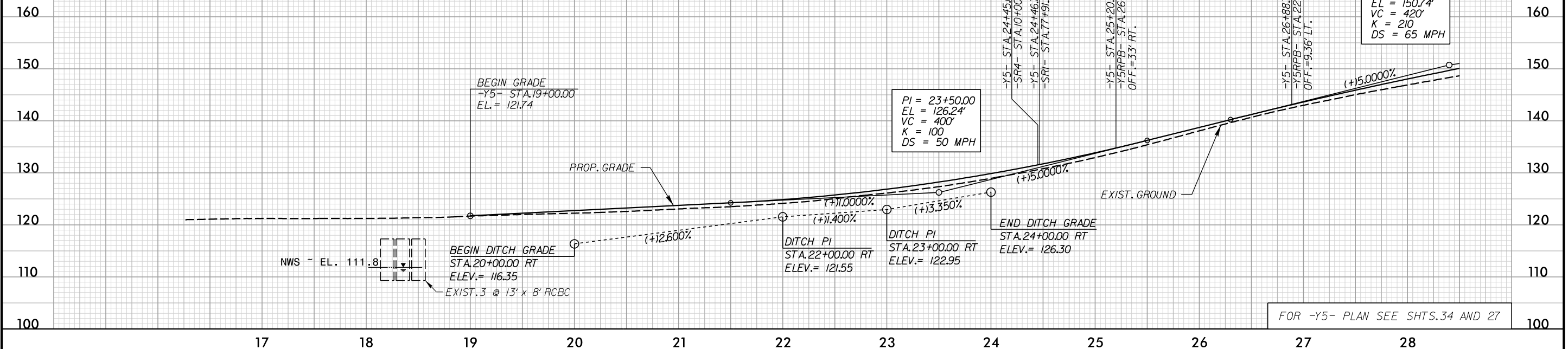
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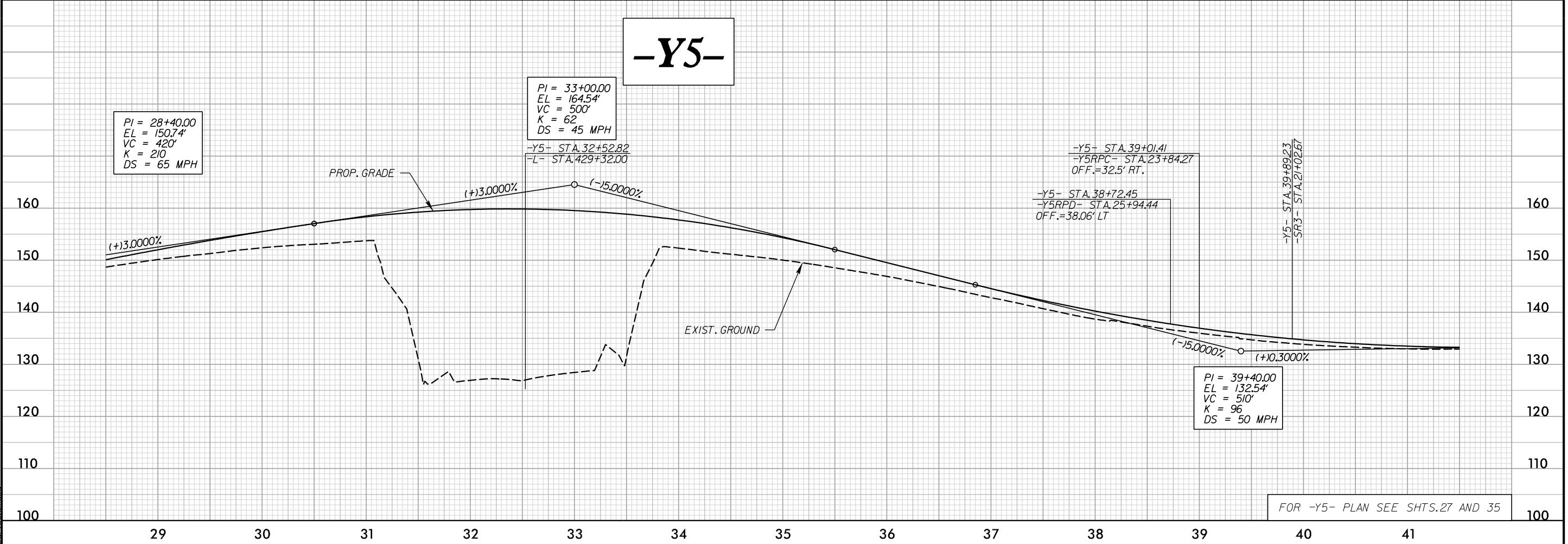
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ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

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EL = 150.74'
VC = 420'
K = 210
DS = 65 MPH



-Y5-



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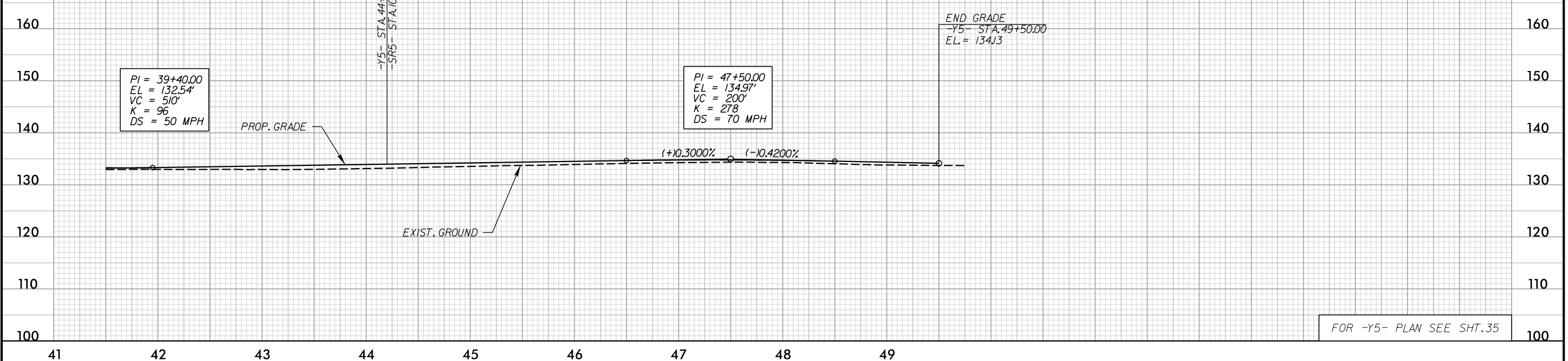
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-Y5-

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PROJECT REFERENCE NO. 1-6064/1-5879	SHEET NO. 64
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

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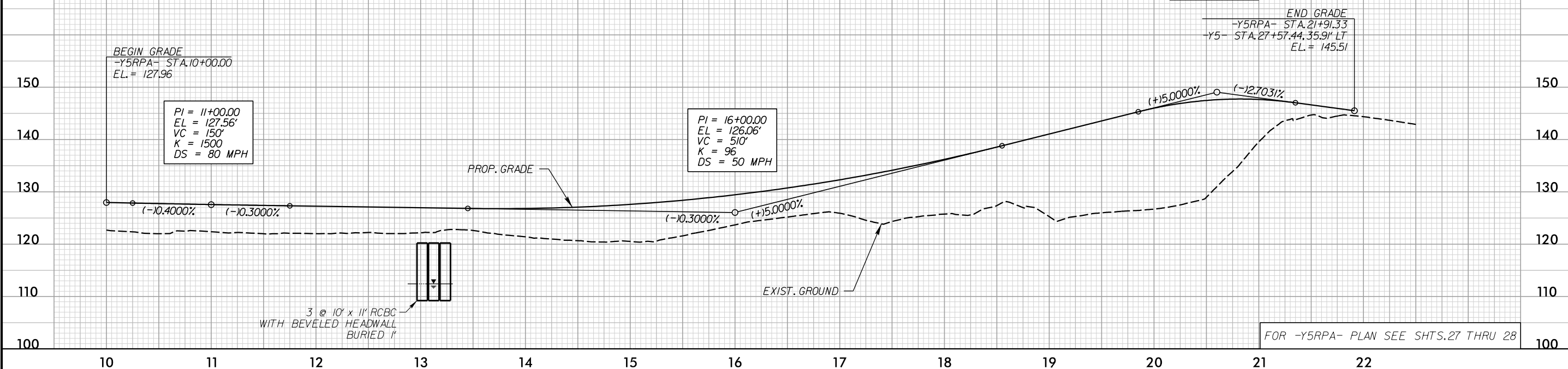
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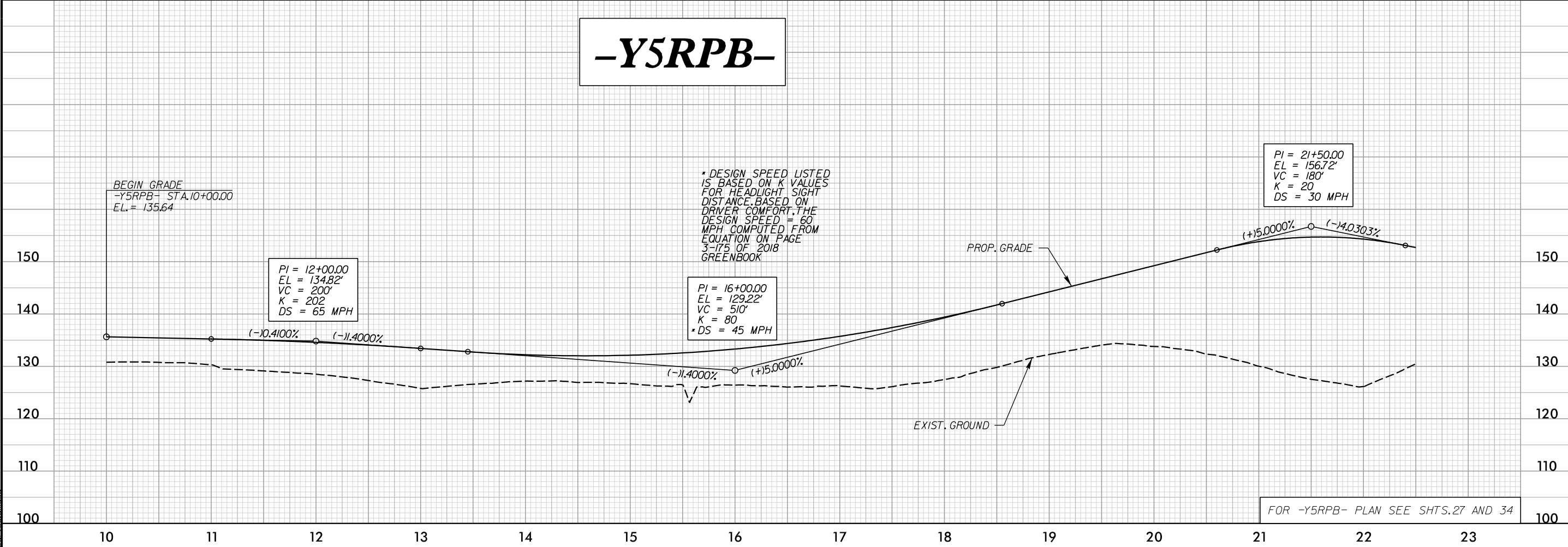
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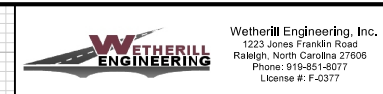


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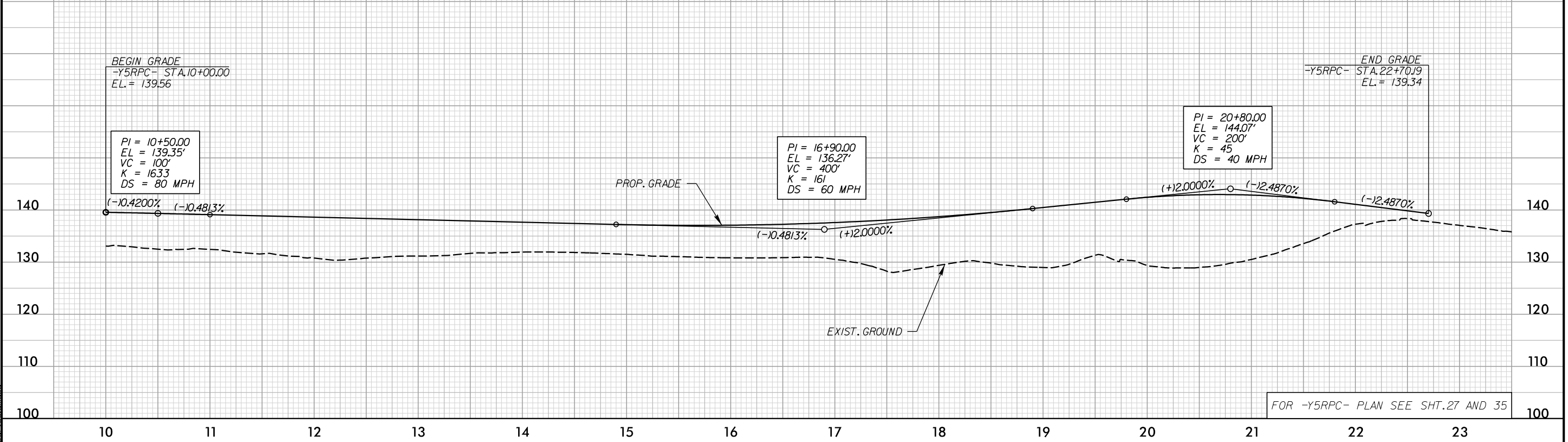


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-Y5RPC-



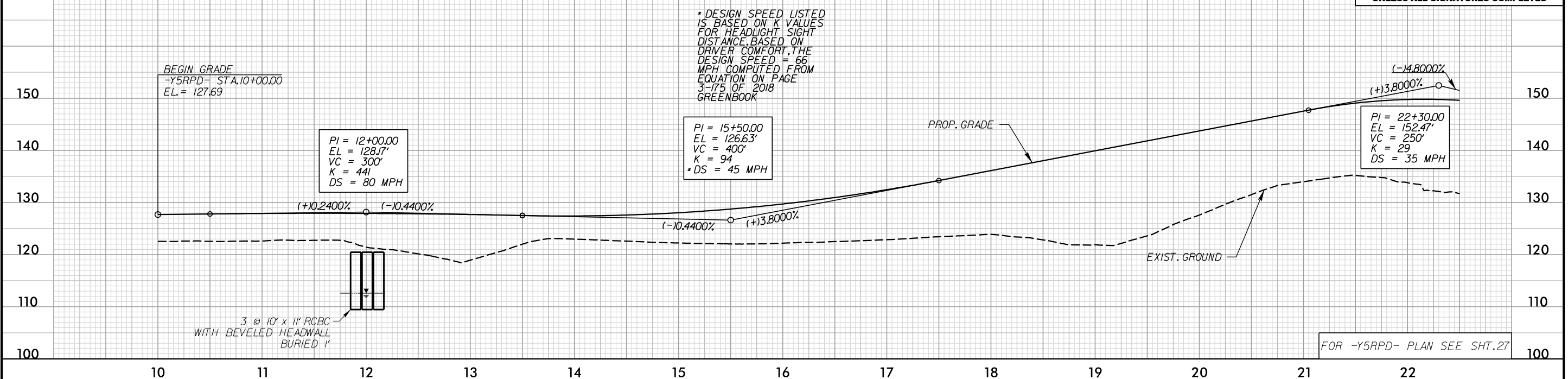
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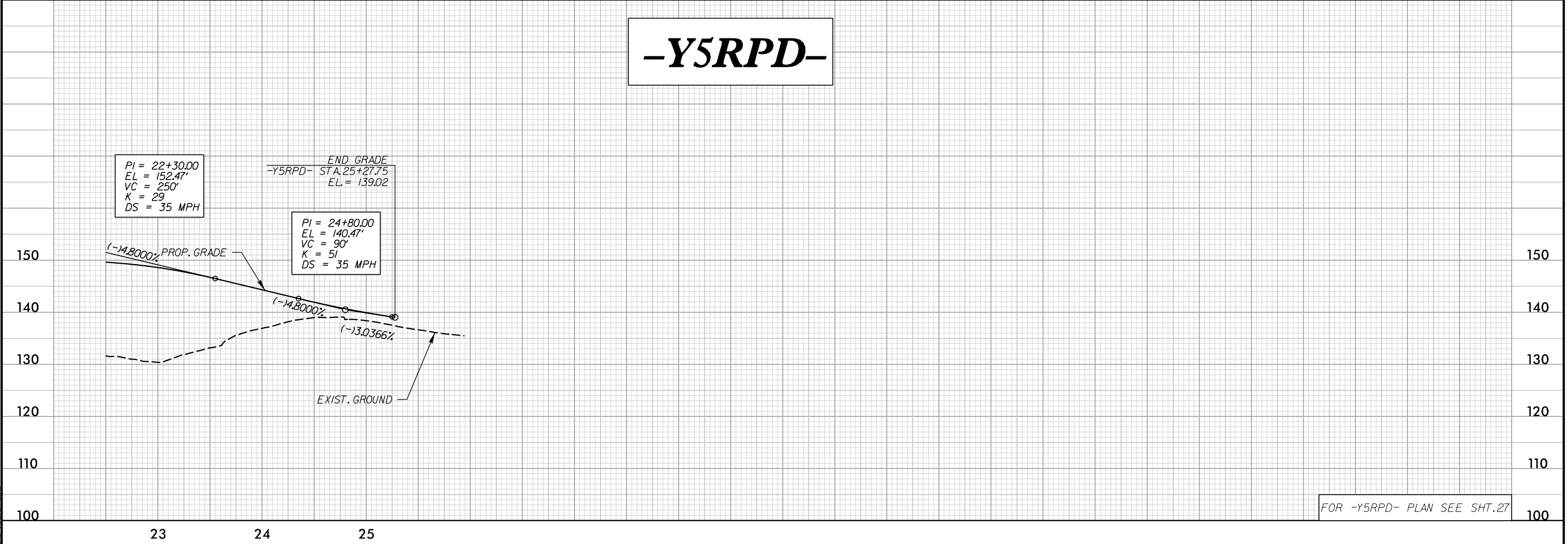
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ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

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-Y5RPD-

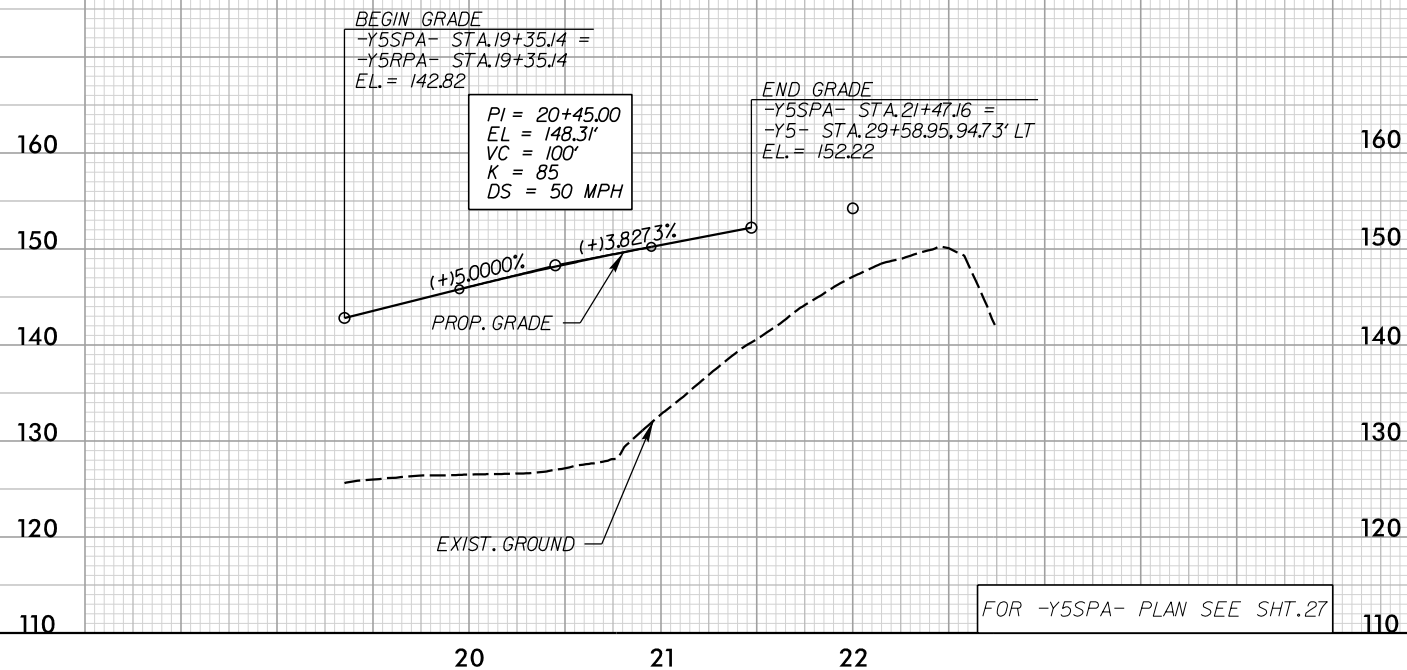


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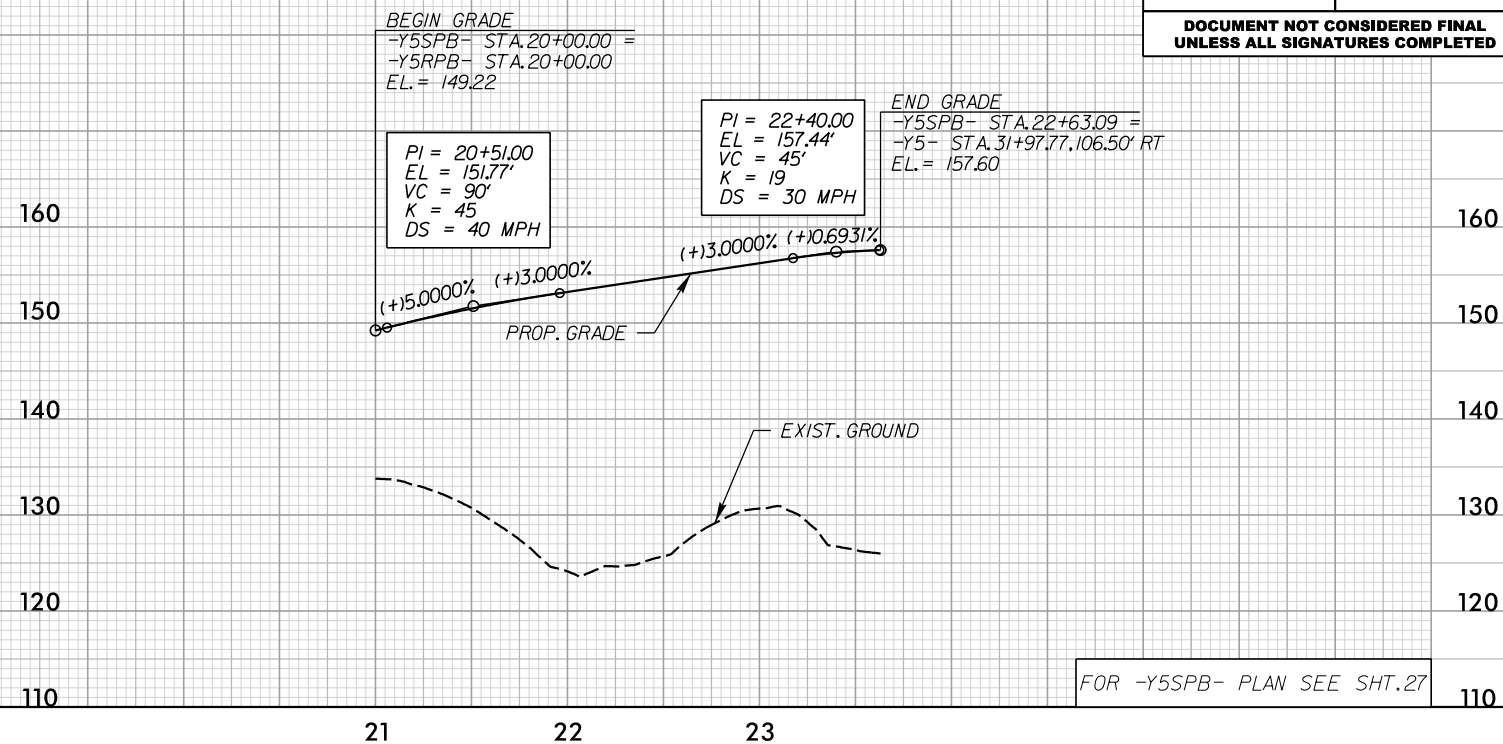
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ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	

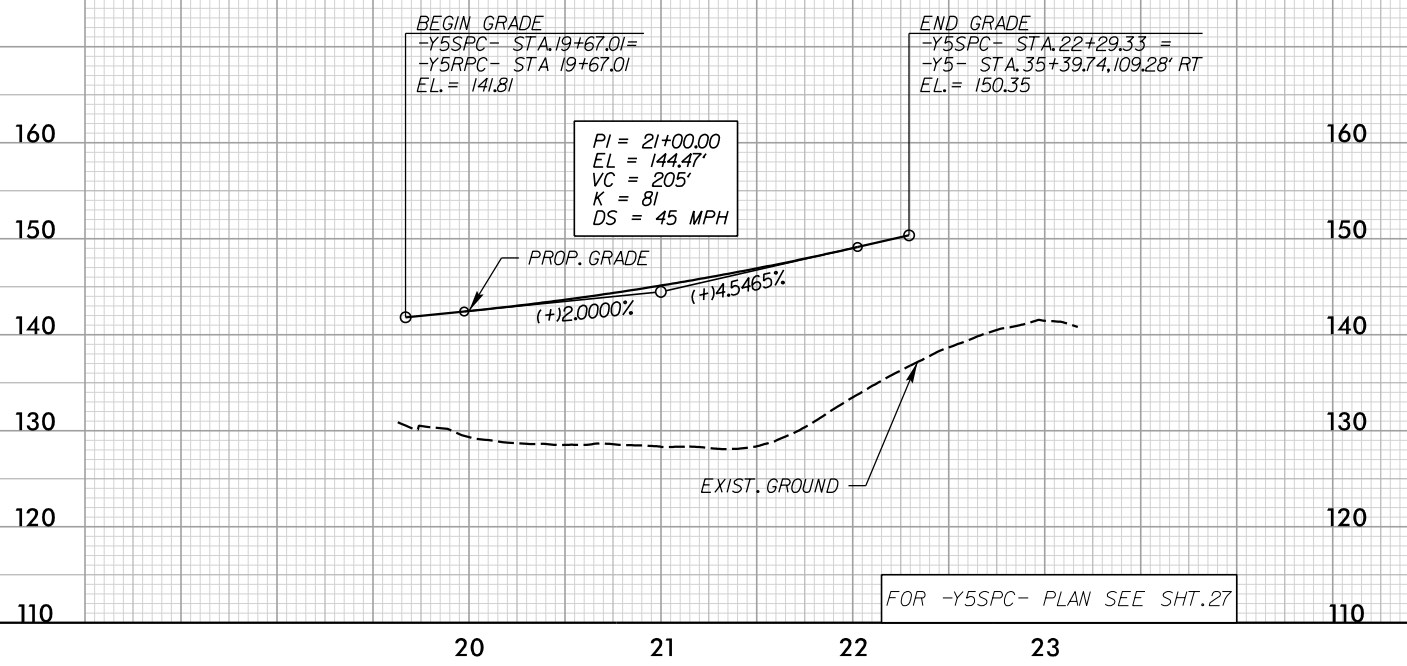
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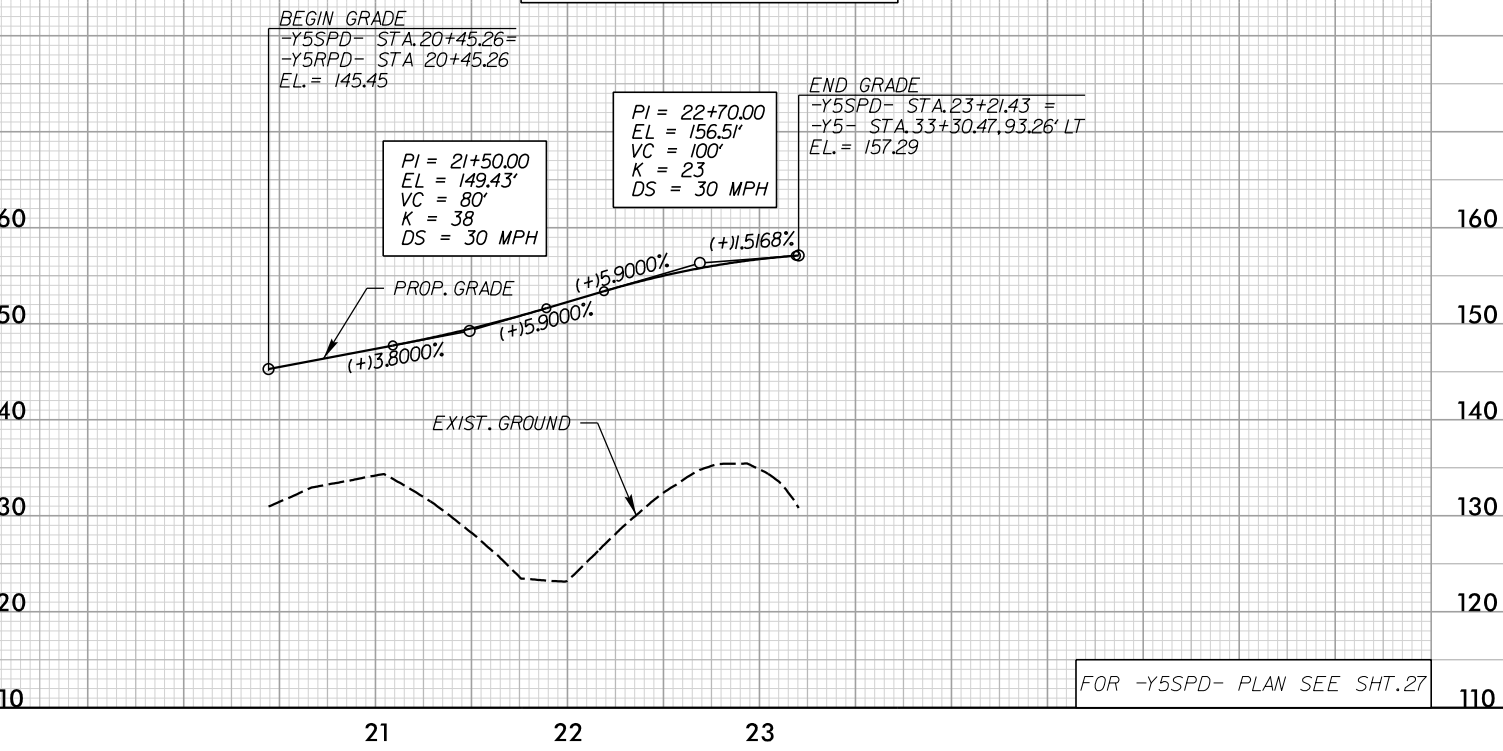
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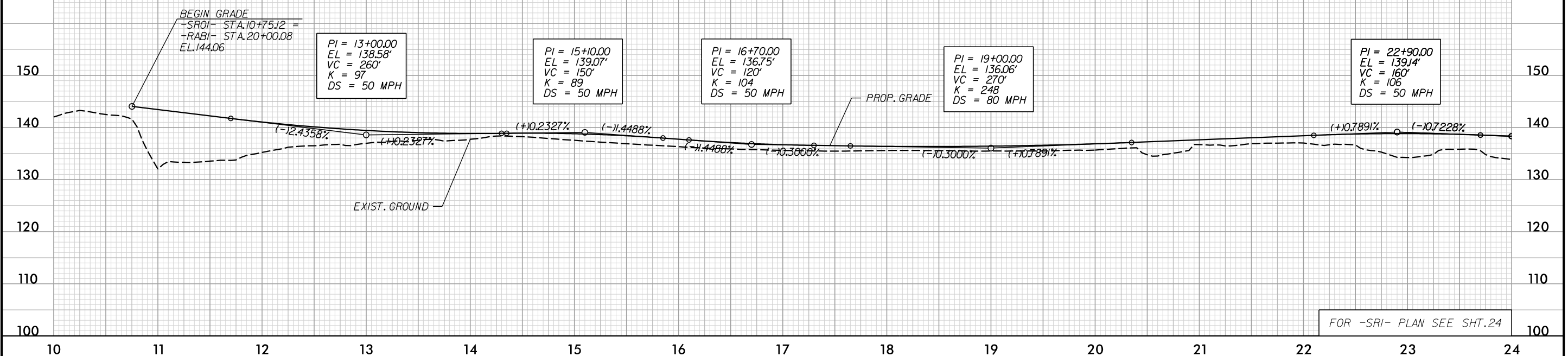
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5/28/99

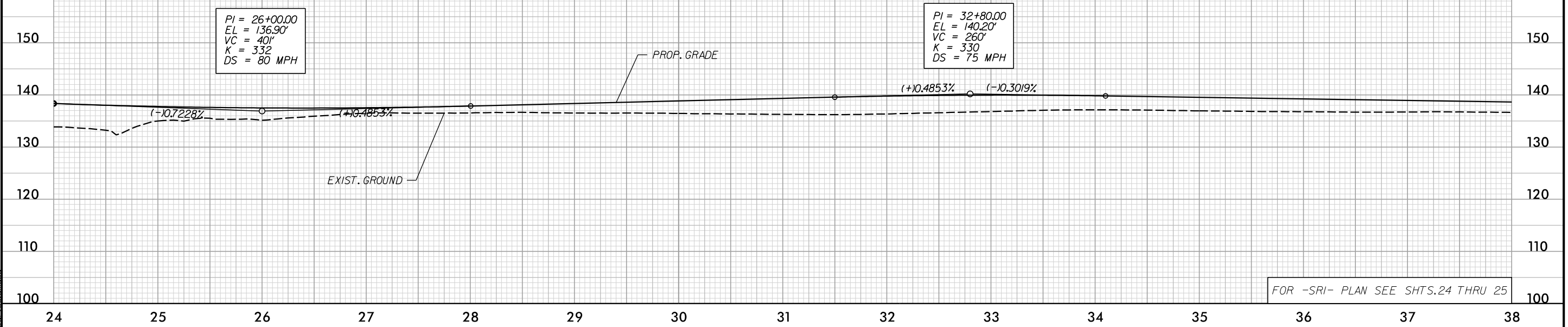
PROJECT REFERENCE NO. 1-6064/1-5879	SHEET NO. 69
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

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-SRI- LACKEY ST.



-SRI- LACKEY ST.



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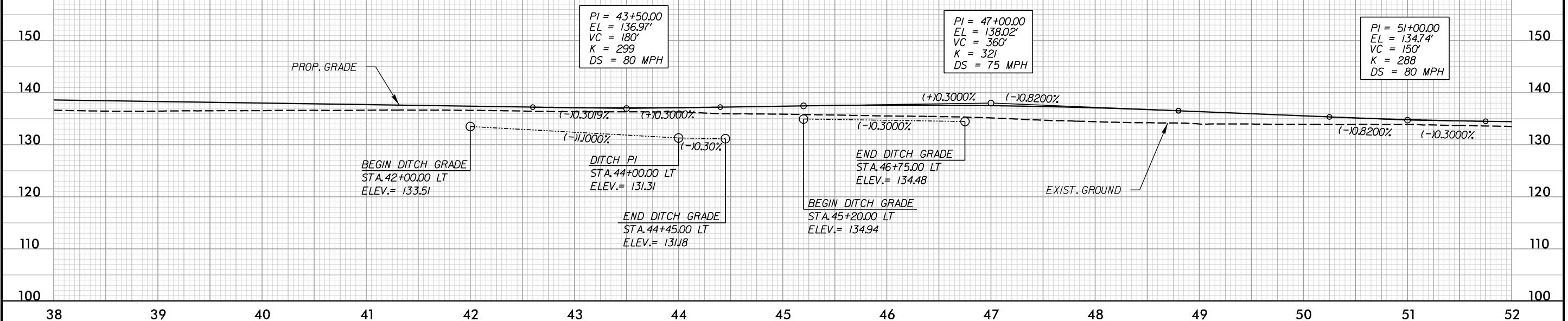
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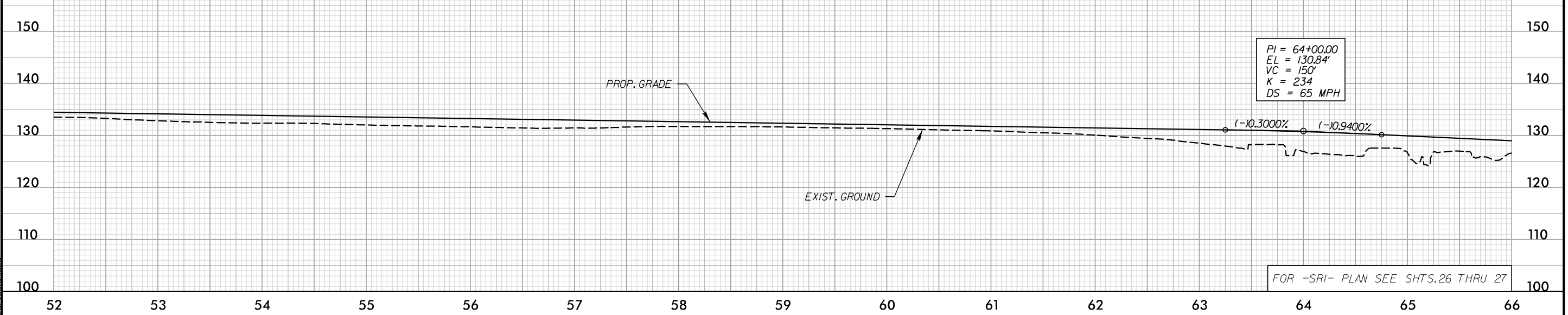
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ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

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-SRI- LACKEY ST.



-SRI- LACKEY ST.



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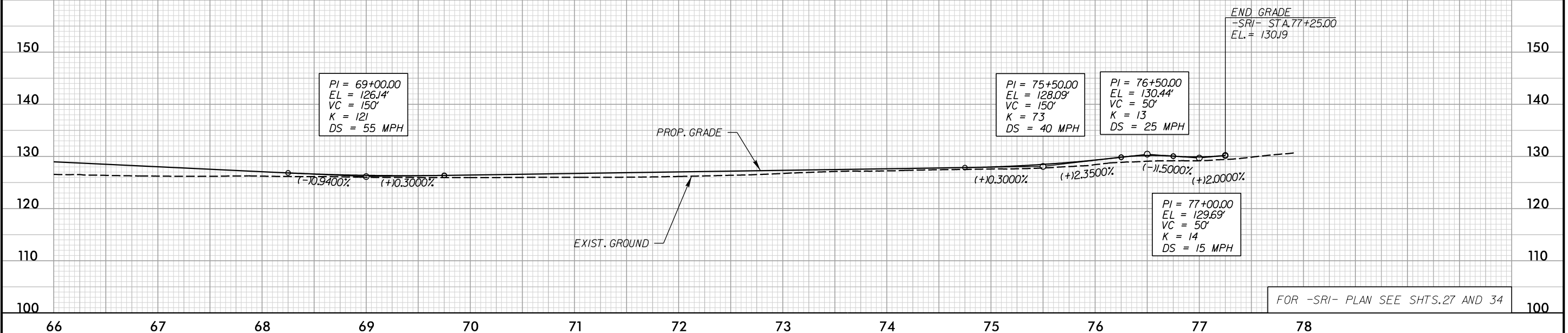
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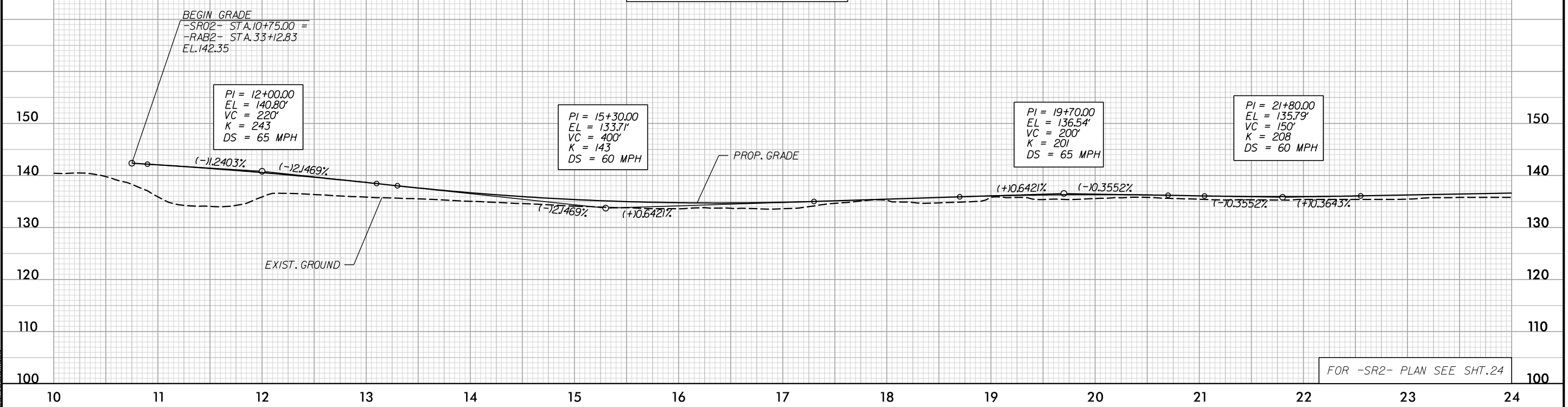
PROJECT REFERENCE NO. 1-6064/1-5879	SHEET NO. 71
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

**DOCUMENT NOT CONSIDERED FINAL
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-SR1- LACKEY ST.



-SR2- CAPUANO ST.



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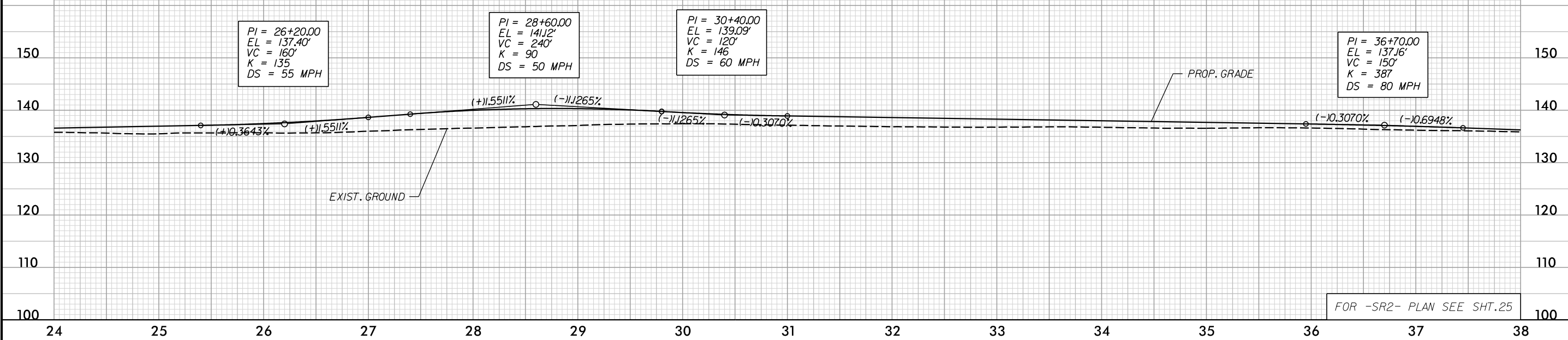
-SR2- CAPUANO ST.

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PROJECT REFERENCE NO. **1-6064/1-5879**
SHEET NO. **72**

ROADWAY DESIGN ENGINEER
HYDRAULICS ENGINEER

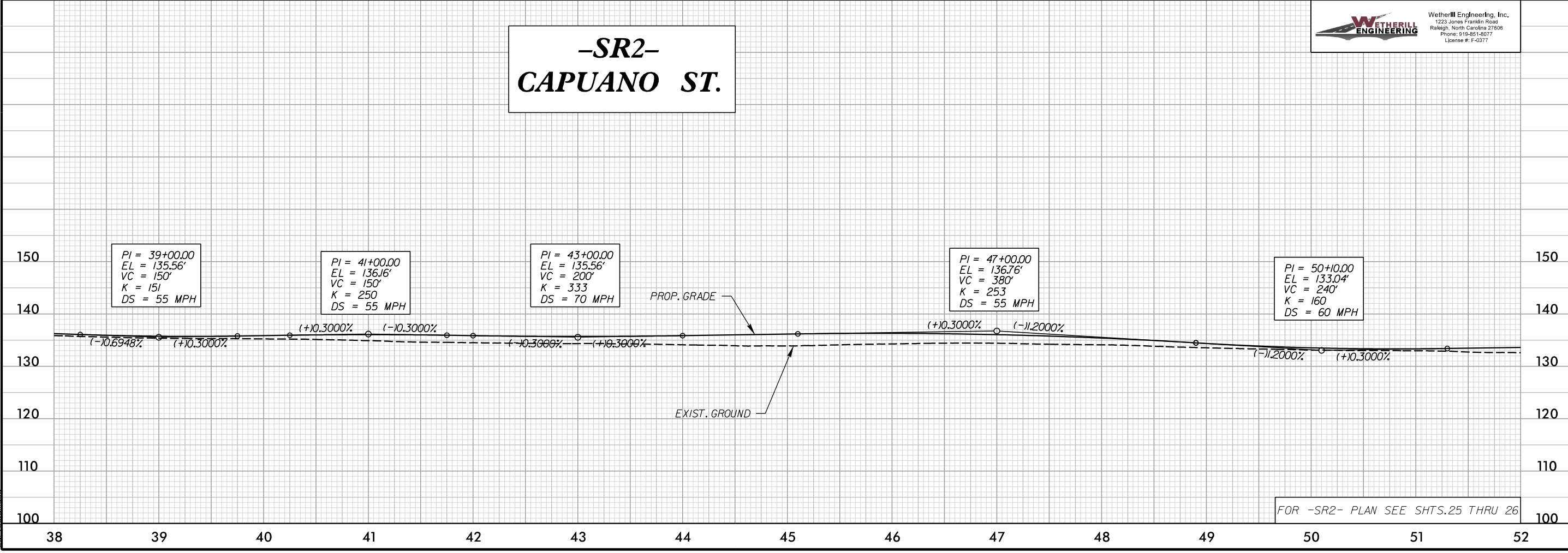
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FOR -SR2- PLAN SEE SHT.25

-SR2- CAPUANO ST.

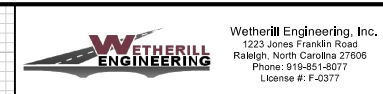
WETHERILL ENGINEERING
Wetherill Engineering, Inc.
1223 Jones Franklin Road
Raleigh, North Carolina 27606
Phone: 919-851-5077
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FOR -SR2- PLAN SEE SHTS.25 THRU 26

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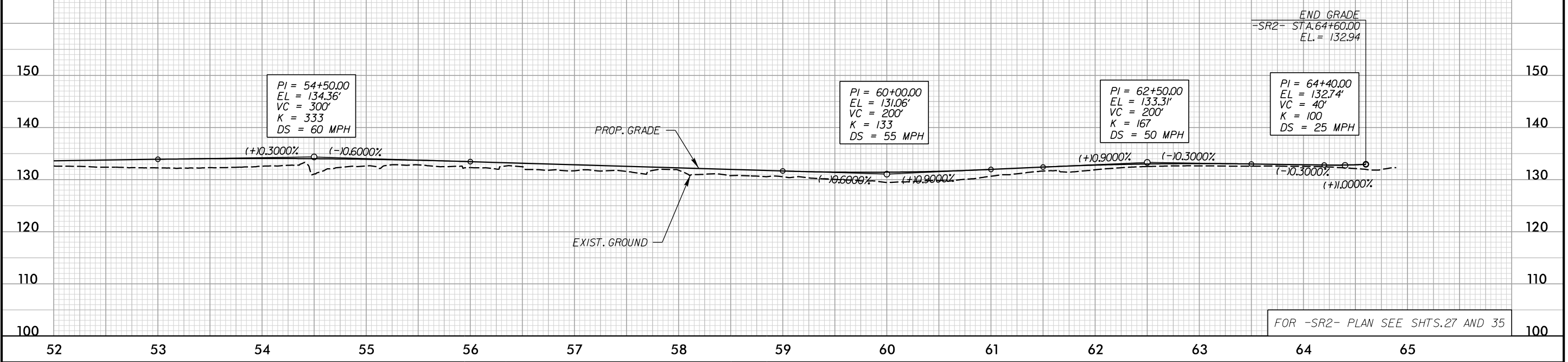
5/28/99



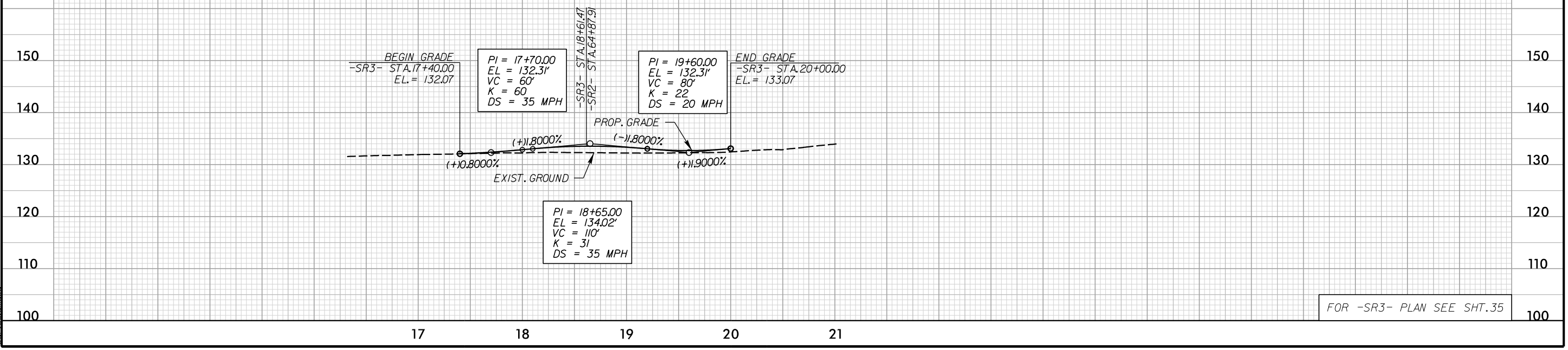
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ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

-SR2- CAPUANO ST.



-SR3- N ROWLAND AVE



3:49:28 PM
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License #: F-0377

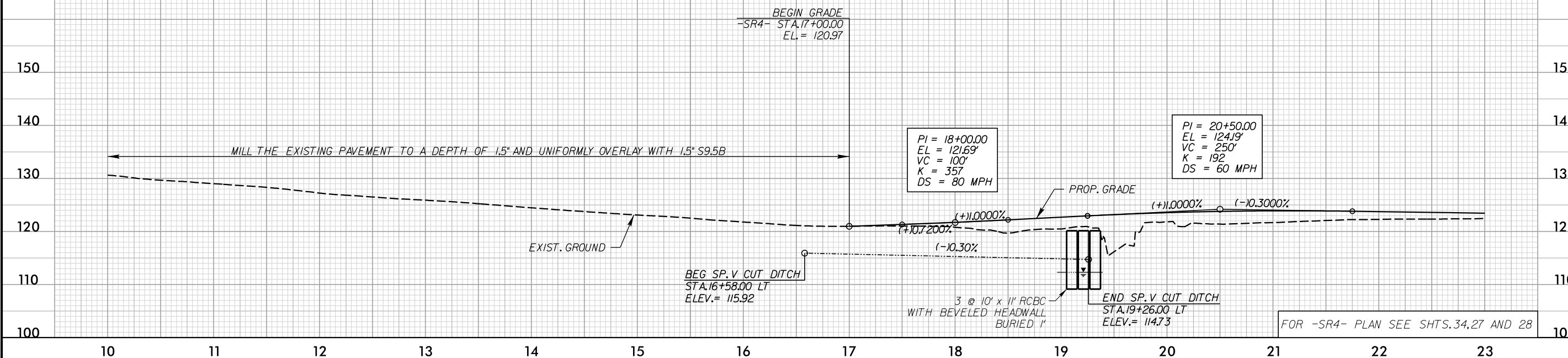
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1-6064/1-5879 74

ROADWAY DESIGN ENGINEER HYDRAULICS ENGINEER

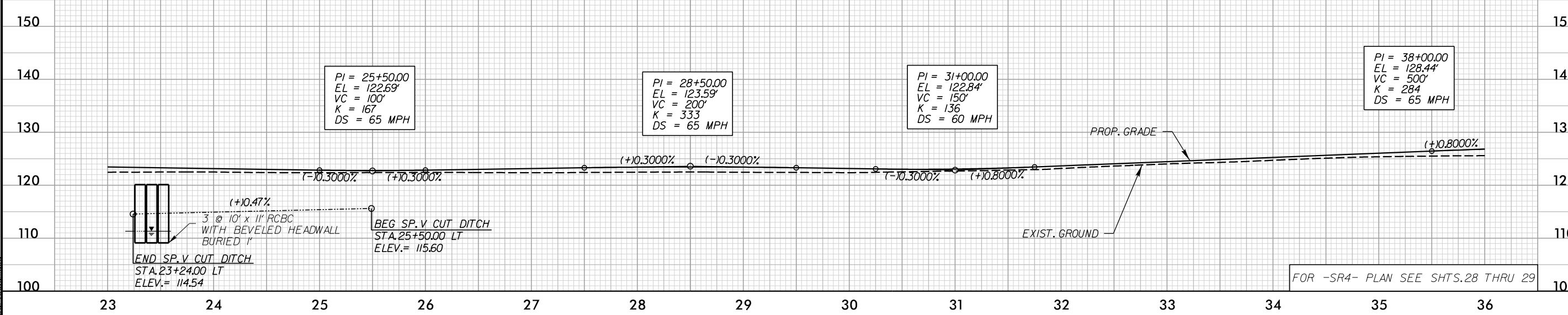
DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED

-SR4- DAWN DR.



FOR -SR4- PLAN SEE SHTS.34,27 AND 28

-SR4- DAWN DR.



FOR -SR4- PLAN SEE SHTS.28 THRU 29

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1223 Jones Franklin Road
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Phone: 919-851-8077
License #: F-0377

PROJECT REFERENCE NO. SHEET NO.

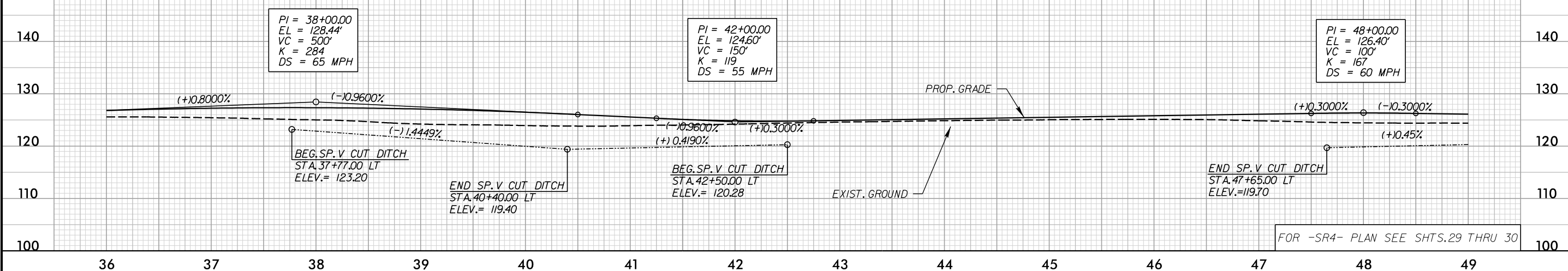
1-6064/1-5879 75

ROADWAY DESIGN ENGINEER

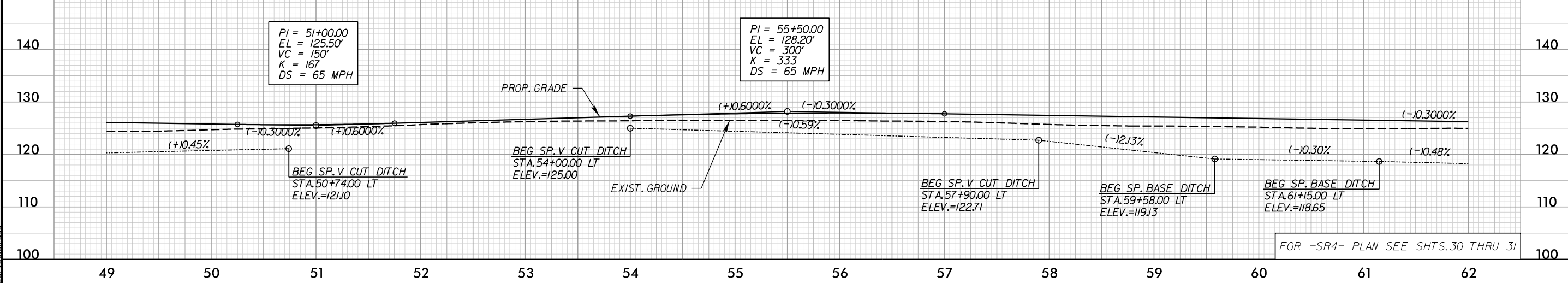
HYDRAULICS ENGINEER

DOCUMENT NOT CONSIDERED FINAL
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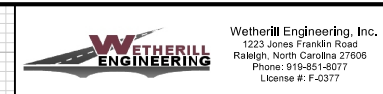


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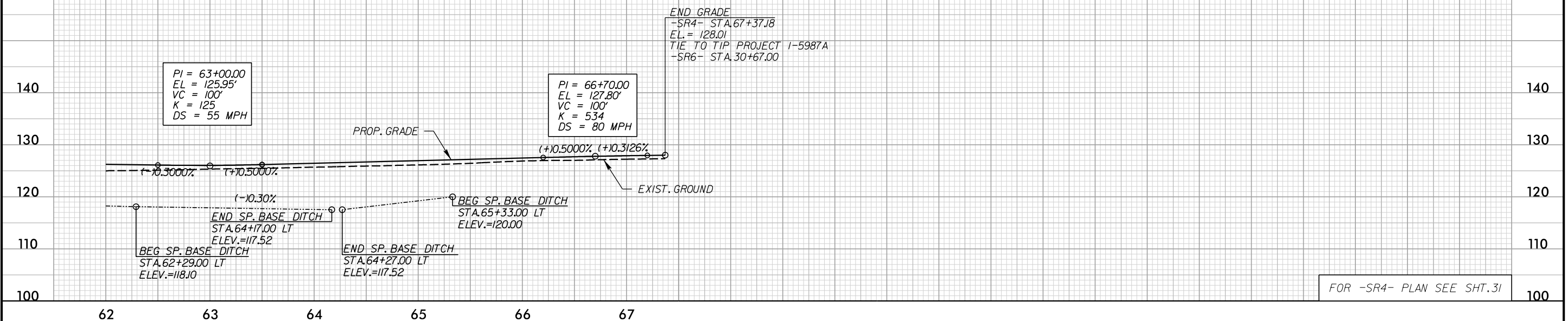
5/28/99



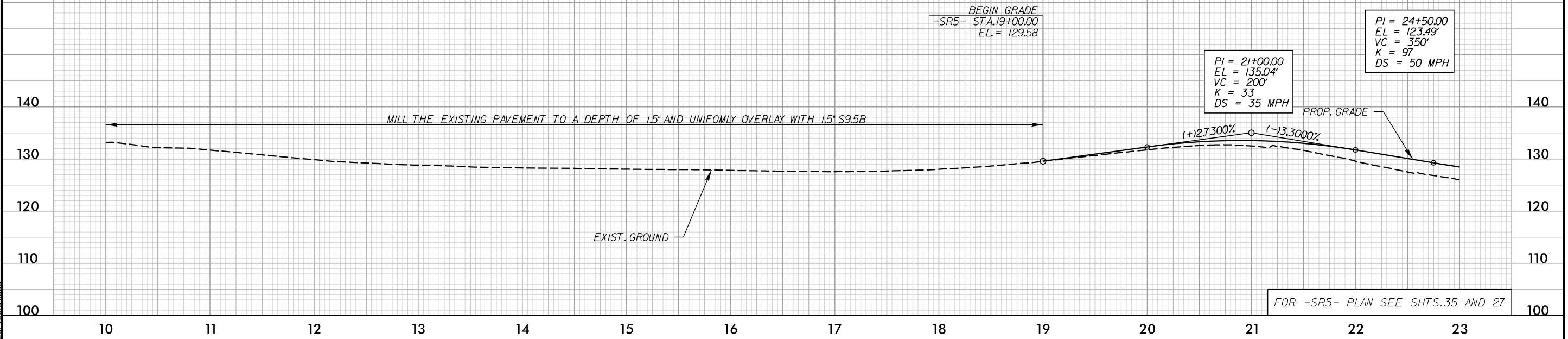
PROJECT REFERENCE NO. 1-6064/1-5879	SHEET NO. 76
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

-SR4- DAWN DR.

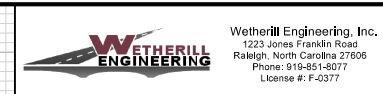


-SR5- KAHN DR.



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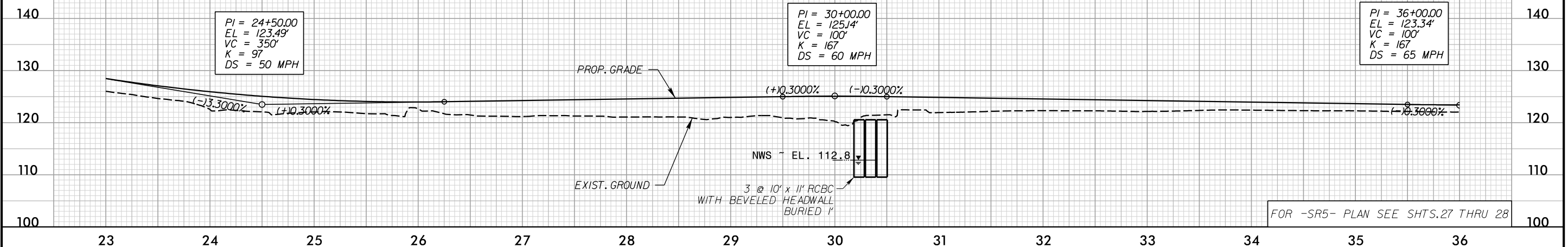
5/28/99



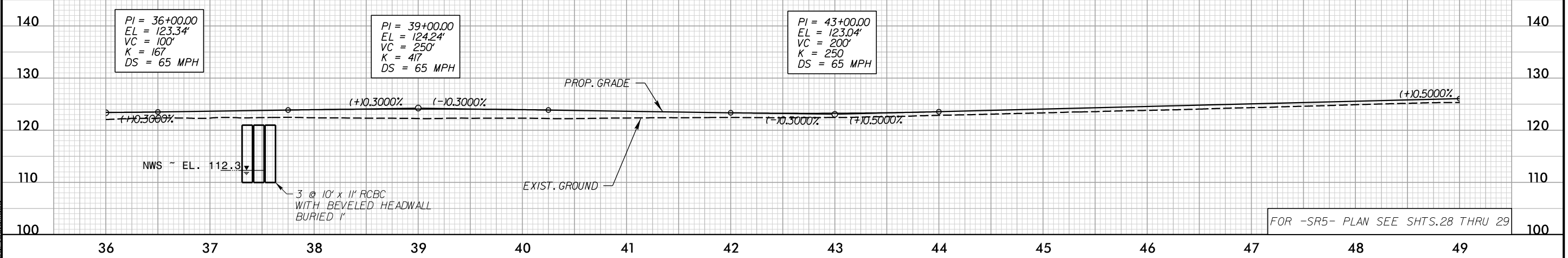
PROJECT REFERENCE NO. 1-6064/1-5879	SHEET NO. 77
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

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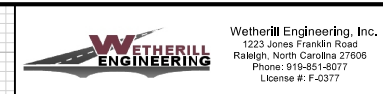


-SR5- KAHN DR.



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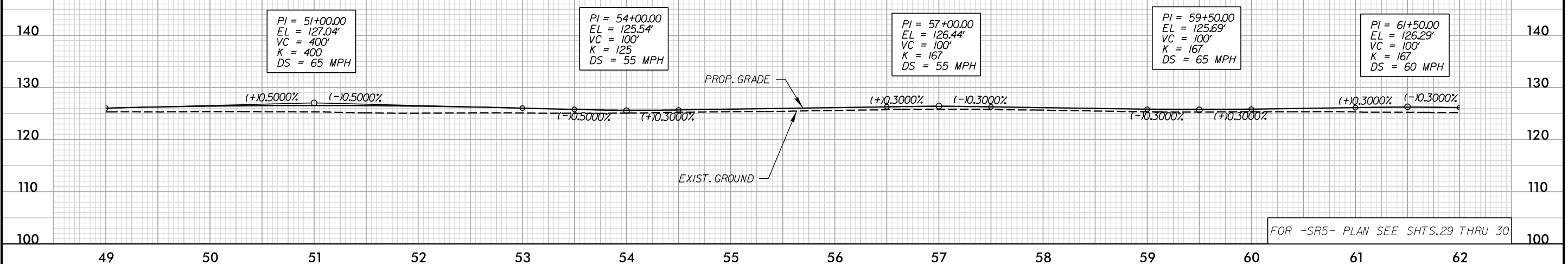
5/28/99



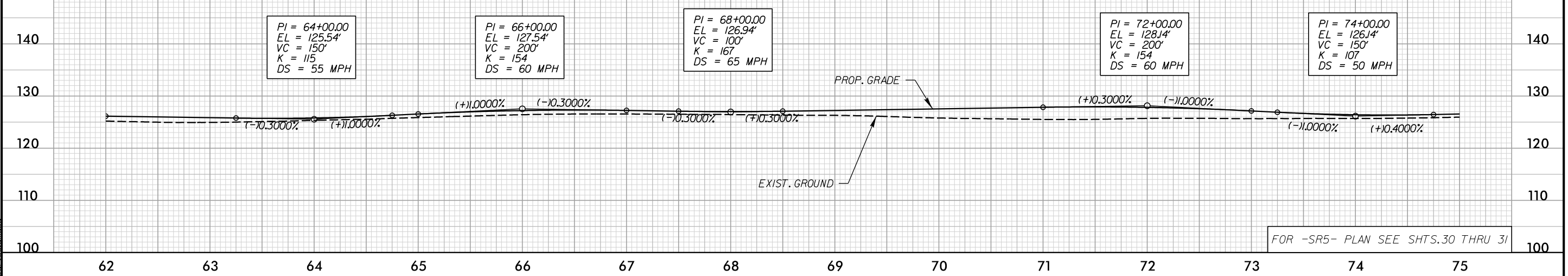
PROJECT REFERENCE NO. 1-6064/1-5879	SHEET NO. 78
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

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-SR5- KAHN DR.



-SR5- KAHN DR.



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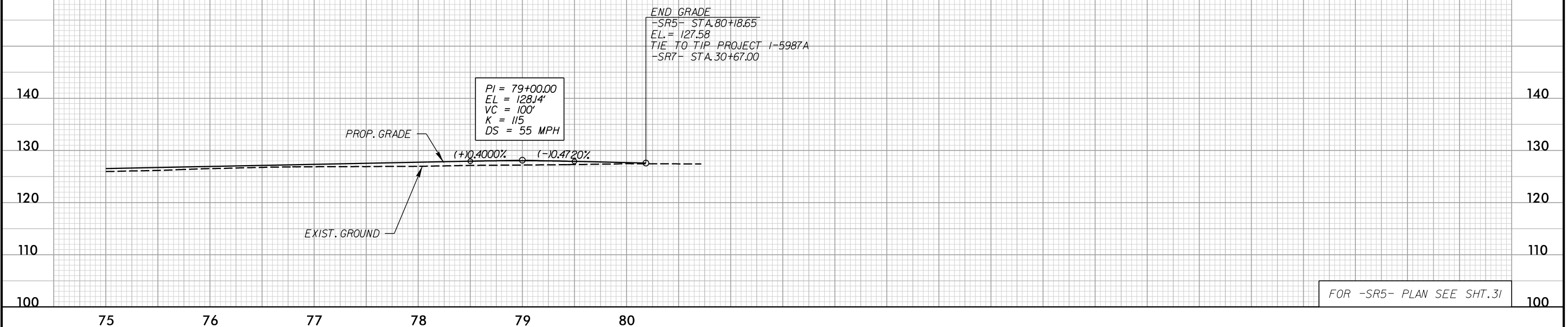
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 Wetherill Engineering, Inc.
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 Phone: 919-851-8077
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PROJECT REFERENCE NO. 1-6064/1-5879	SHEET NO. 79
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

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-SR5- KAHN DR.



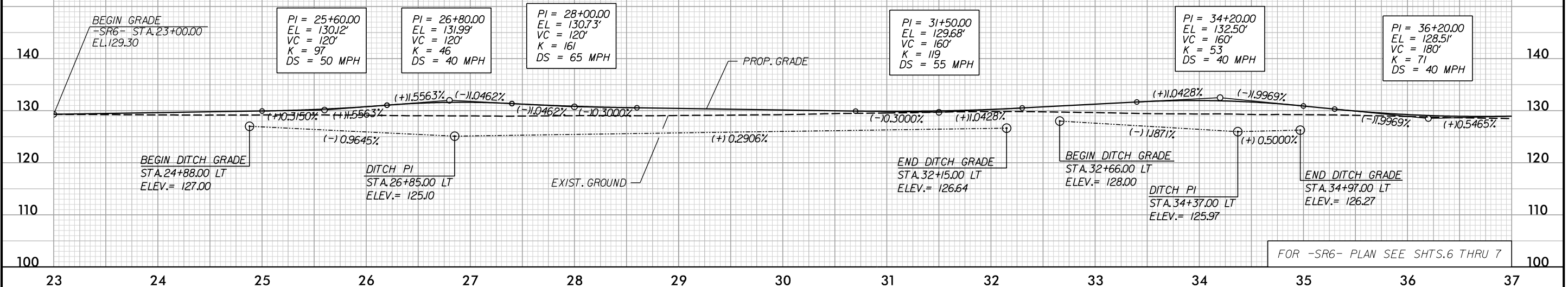
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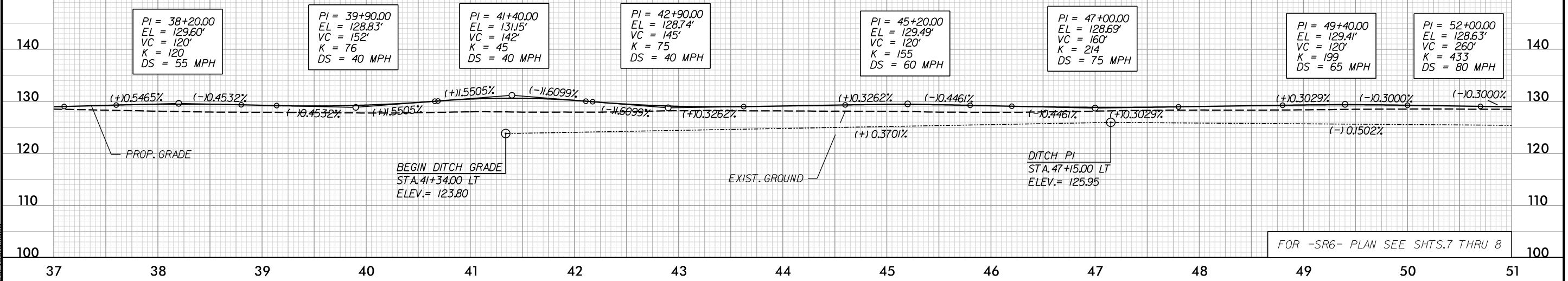
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PROJECT REFERENCE NO. 1-6064/1-5879	SHEET NO. 80
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	

-SR6- KENRIC DR.



-SR6- KENRIC DR.

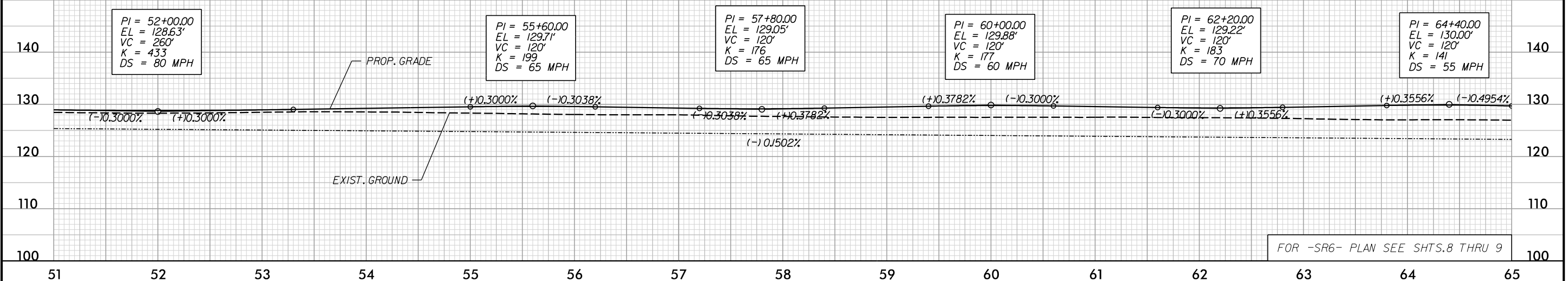


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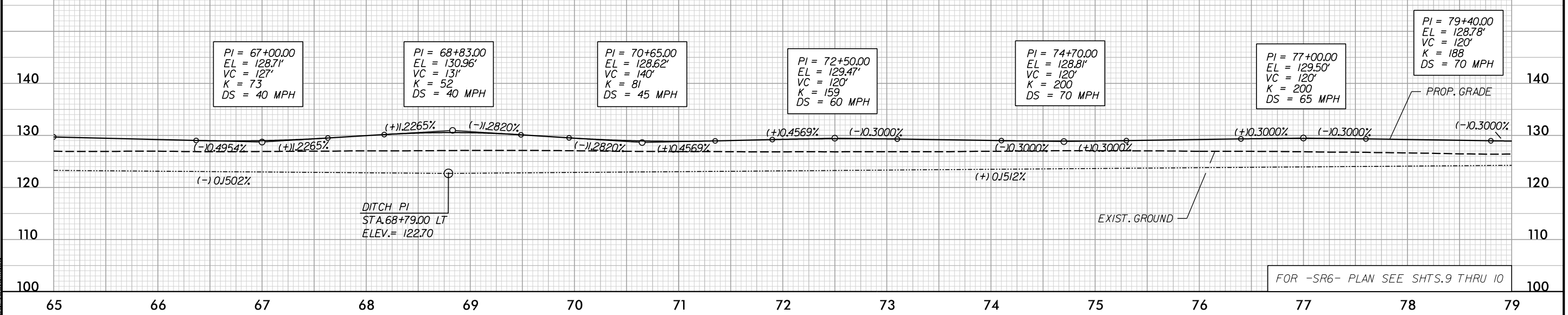
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PROJECT REFERENCE NO. 1-6064/1-5879	SHEET NO. 81
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	

**-SR6-
KENRIC DR.**



**-SR6-
KENRIC DR.**



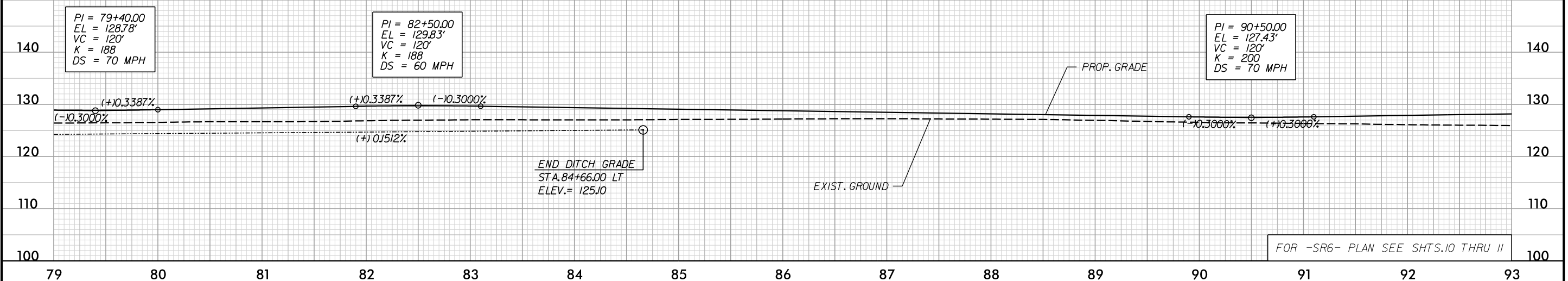
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5/28/99

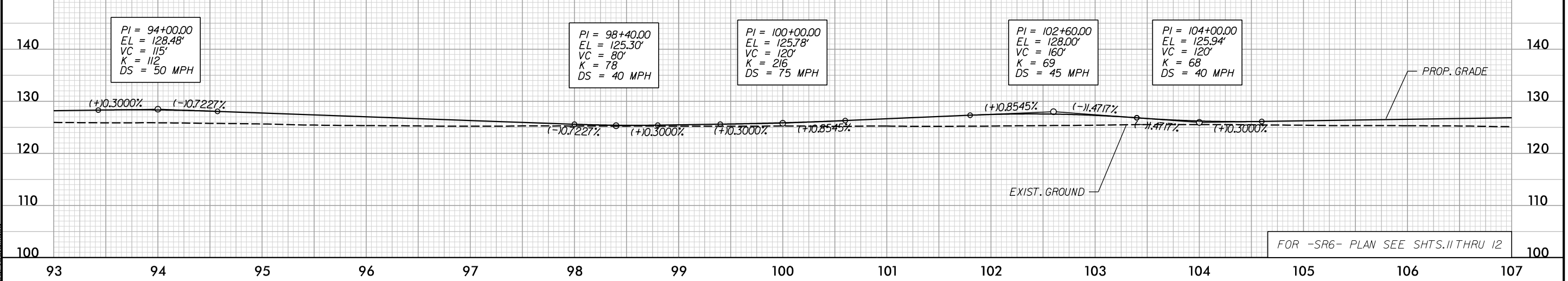
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Raleigh, North Carolina 27609
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PROJECT REFERENCE NO. 1-6064/1-5879	SHEET NO. 82
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	

-SR6- KENRIC DR.



-SR6- KENRIC DR.



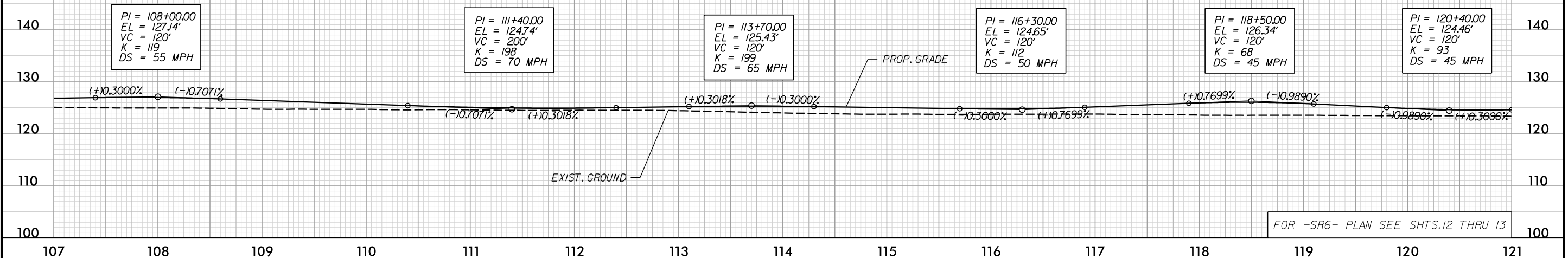
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5/28/99

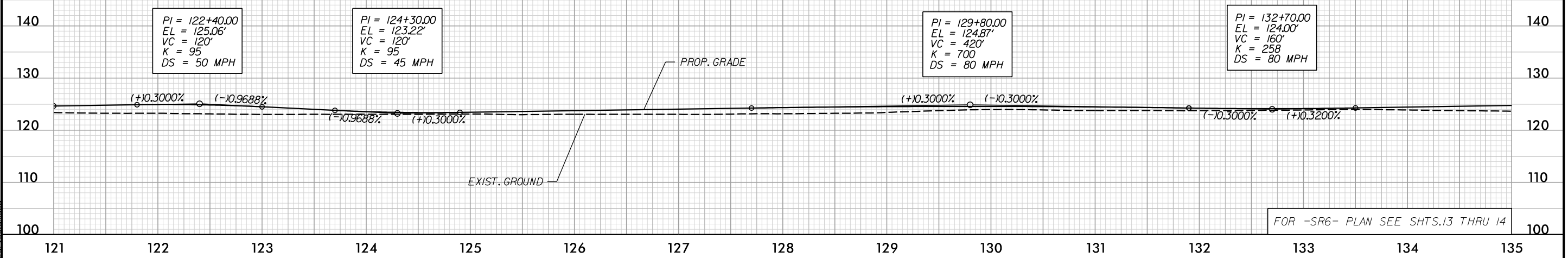
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Raleigh, North Carolina 27609
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PROJECT REFERENCE NO. 1-6064/1-5879	SHEET NO. 83
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	

-SR6- KENRIC DR.



-SR6- KENRIC DR.



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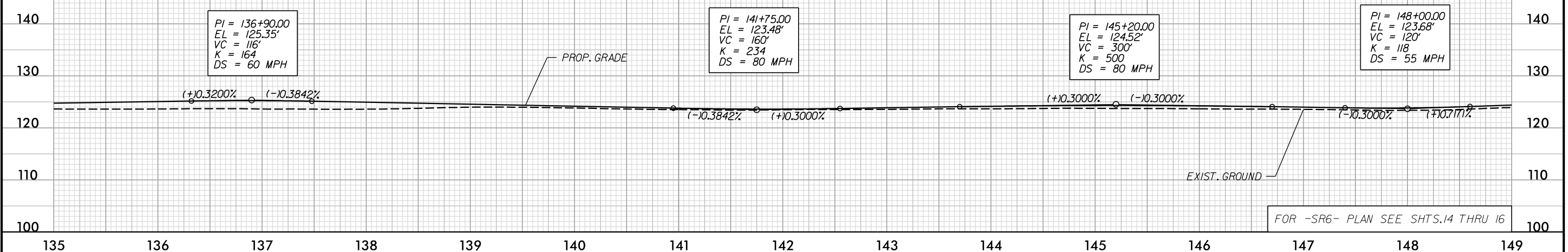
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PROJECT REFERENCE NO. 1-6064/1-5879	SHEET NO. 84
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

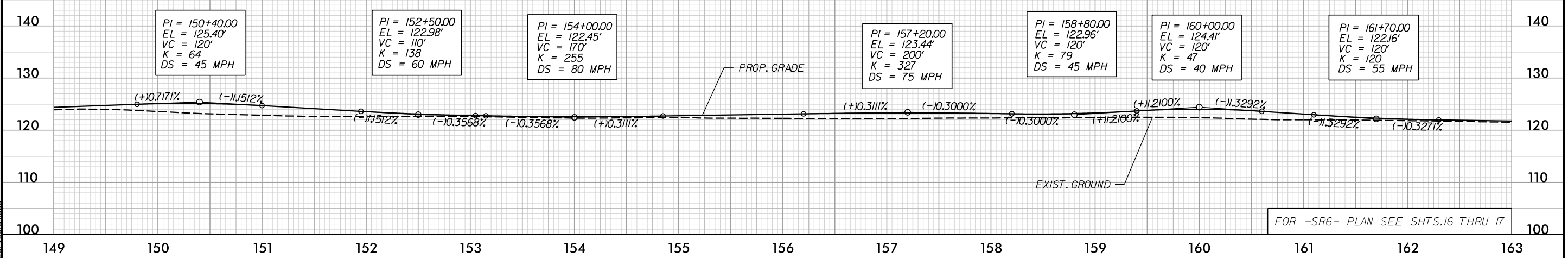
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UNLESS ALL SIGNATURES COMPLETED**

-SR6- KENRIC DR.



FOR -SR6- PLAN SEE SHTS.14 THRU 16

-SR6- KENRIC DR.



FOR -SR6- PLAN SEE SHTS.16 THRU 17

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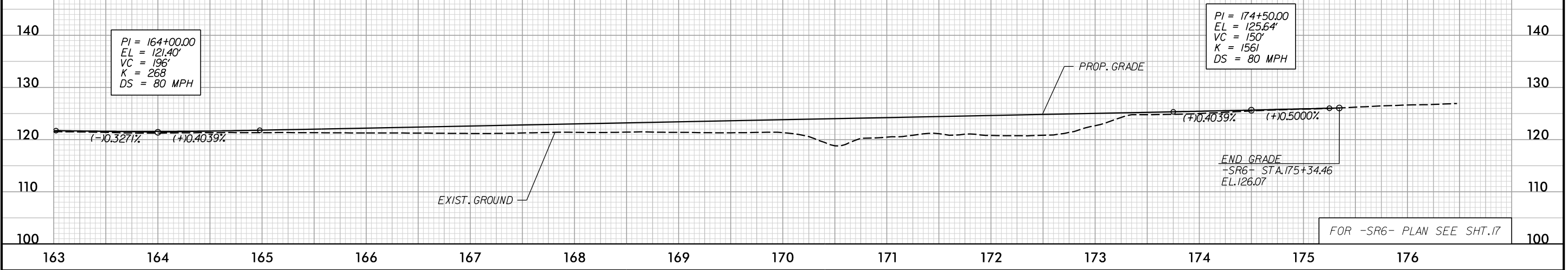
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Raleigh, North Carolina 27609
Phone: 803-822-5333
License #: P-0999

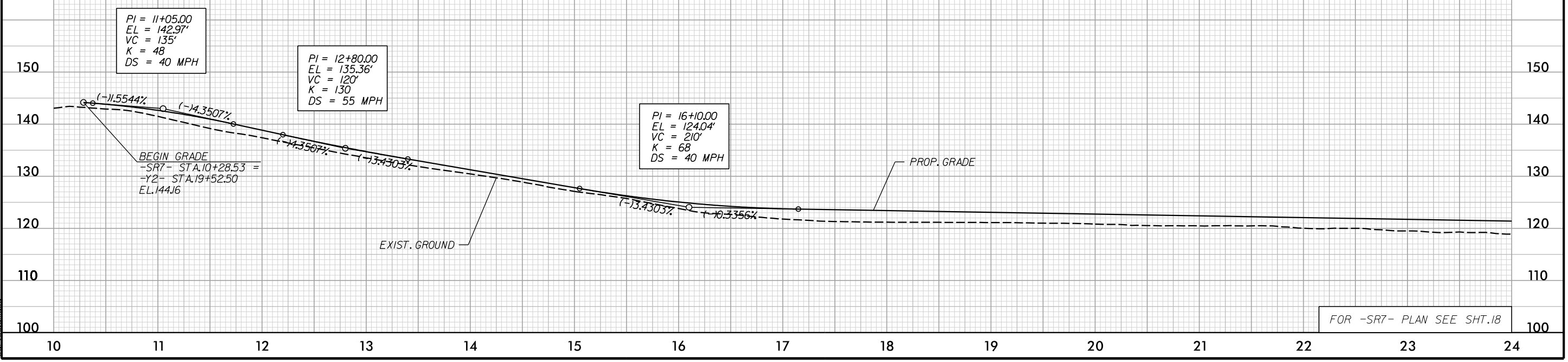
PROJECT REFERENCE NO. 1-6064/1-5879	SHEET NO. 85
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

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-SR6- KENRIC DR.



-SR7- COX RD.



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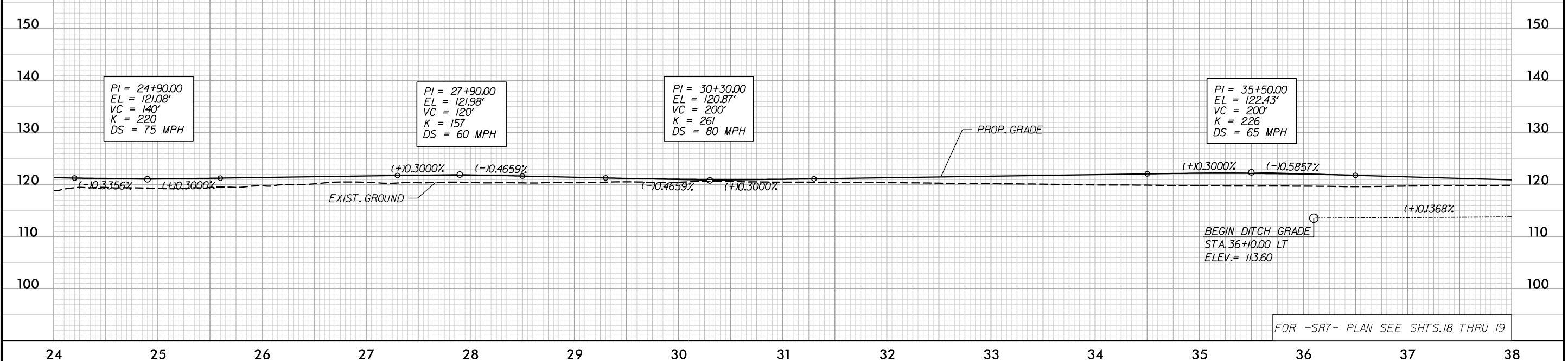
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Raleigh, North Carolina 27609
Phone: 919-822-5333
License #: P-0999

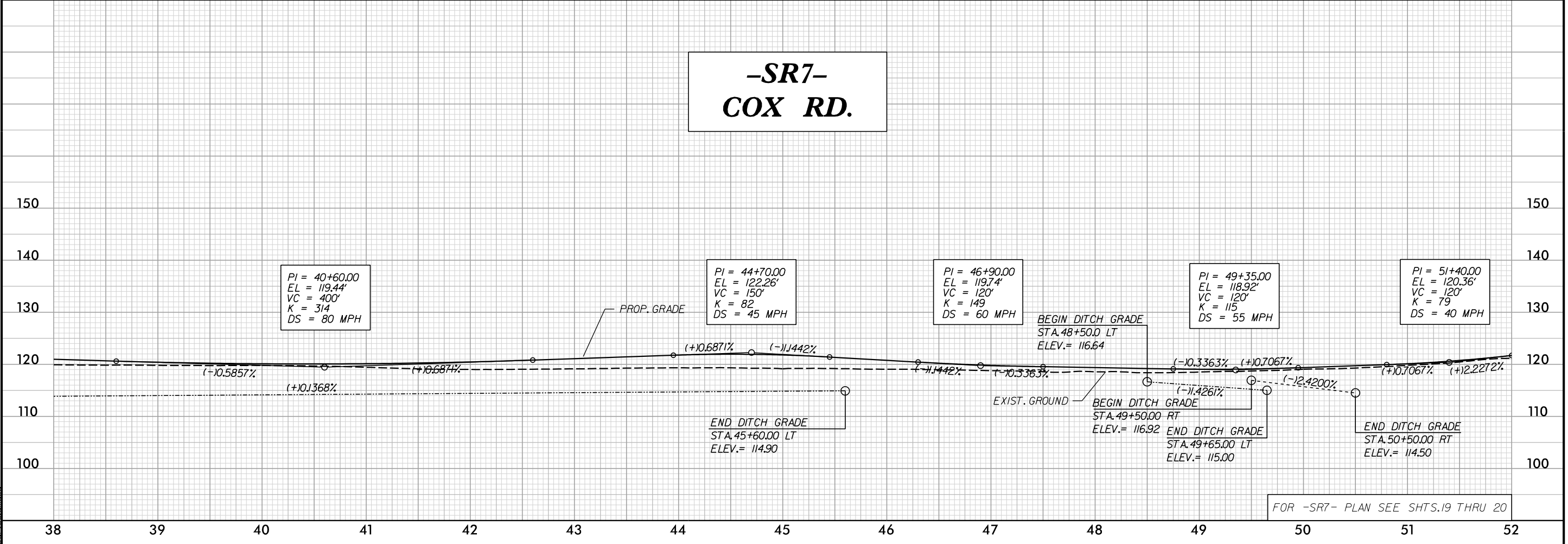
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ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

**DOCUMENT NOT CONSIDERED FINAL
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-SR7- COX RD.



-SR7- COX RD.



4:00:18 PM
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PROJECT REFERENCE NO.
1-6064/1-5879

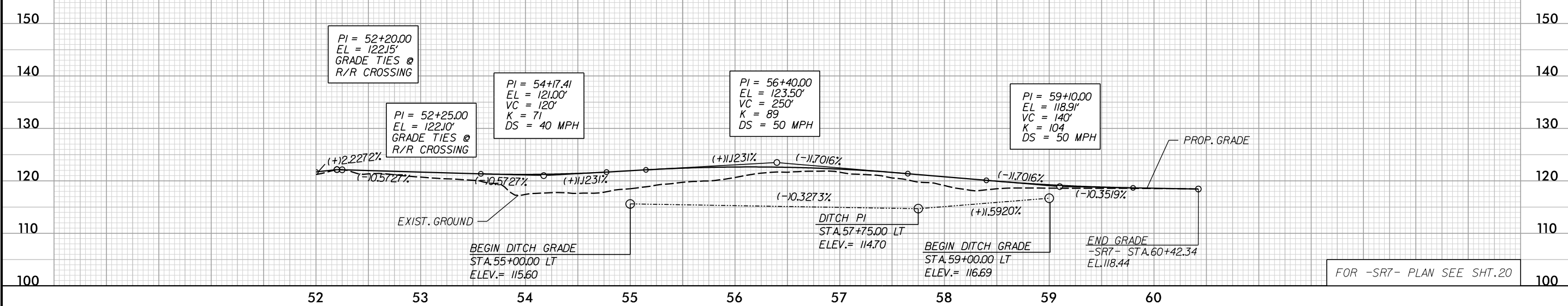
SHEET NO.
87

ROADWAY DESIGN ENGINEER

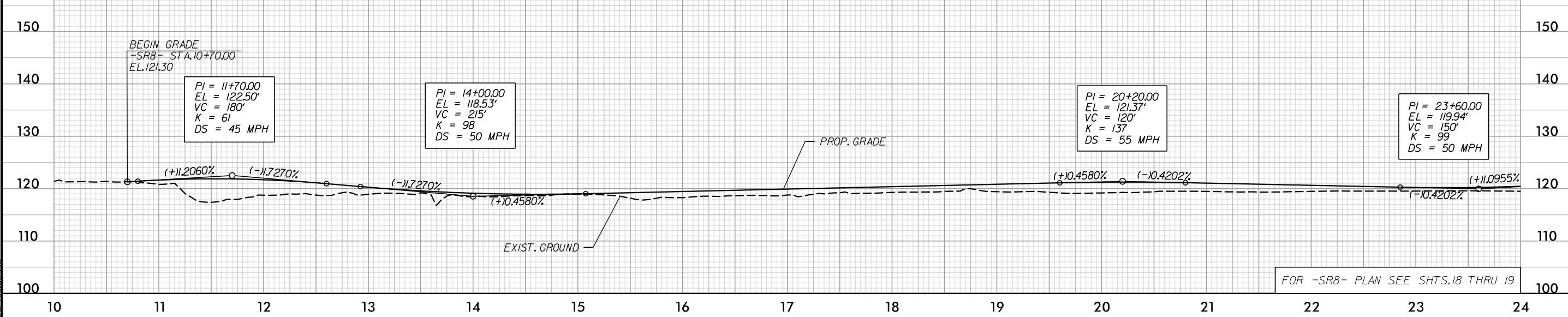
HYDRAULICS ENGINEER

DOCUMENT NOT CONSIDERED FINAL
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-SR7- COX RD.



-SR8- HESTER RD.



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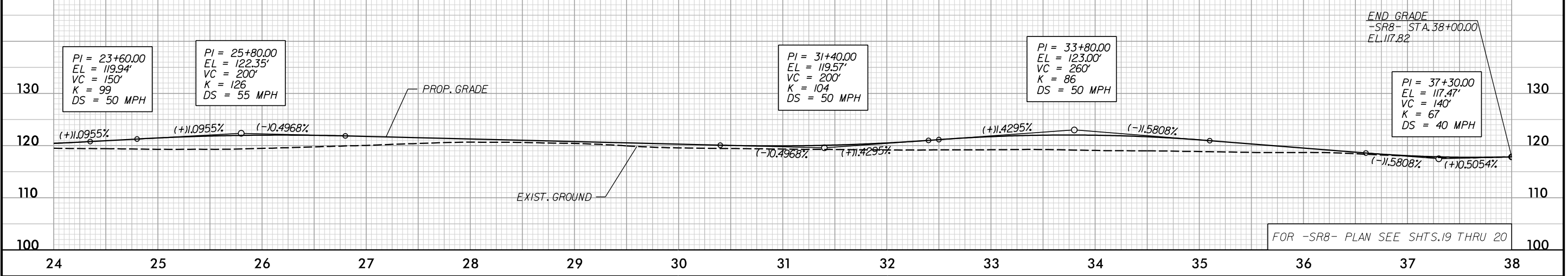
5/28/99

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ICE of Carolinas, PLLC
4505 Falls of Neuse Road, Suite 110
Raleigh, North Carolina 27609
Phone: 803-822-5333
License #: P-0999

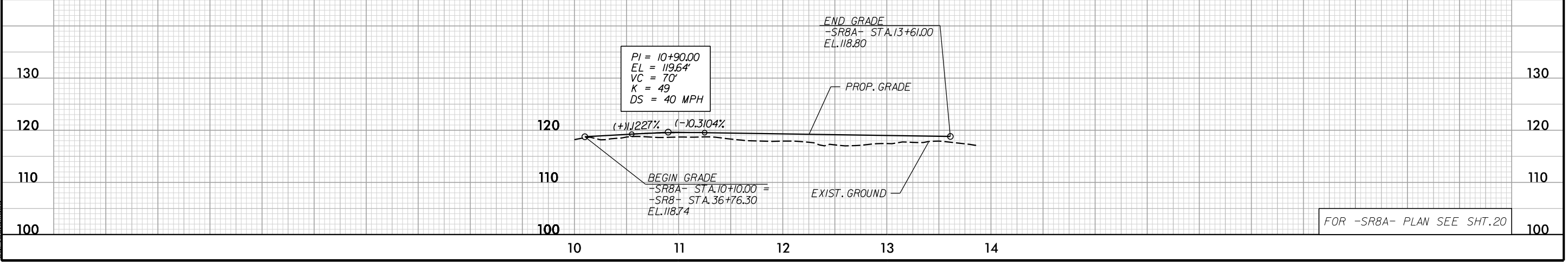
PROJECT REFERENCE NO. 1-6064/1-5879	SHEET NO. 88
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

**DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED**

-SR8- HESTER RD.



-SR8A-



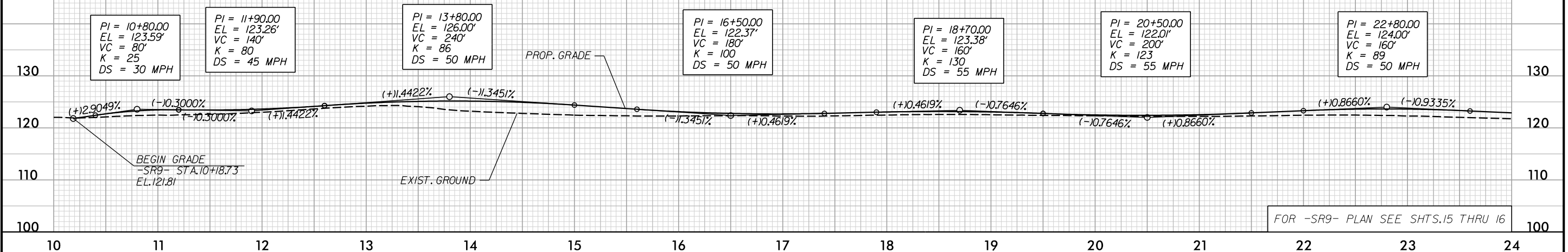
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5/28/99

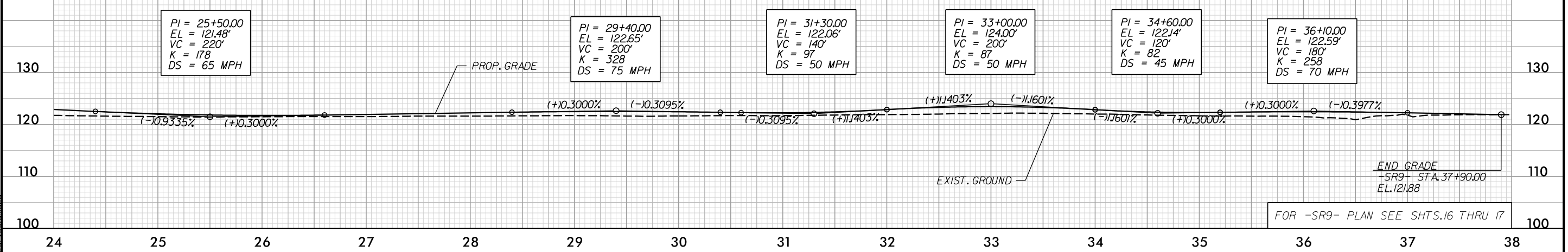
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PROJECT REFERENCE NO. 1-6064/1-5879	SHEET NO. 89
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	

-SR9- JONATHAN DR/ COTTONWOOD



-SR9- JONATHAN DR/ COTTONWOOD

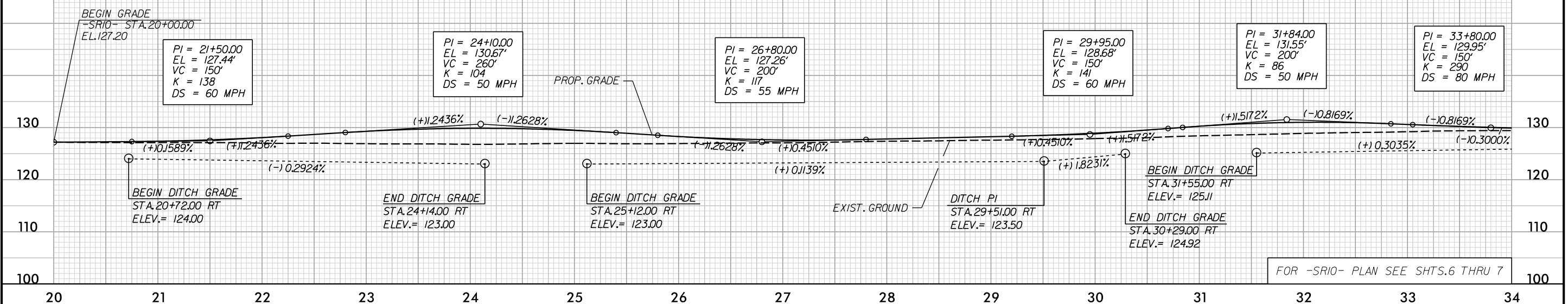


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5/28/99

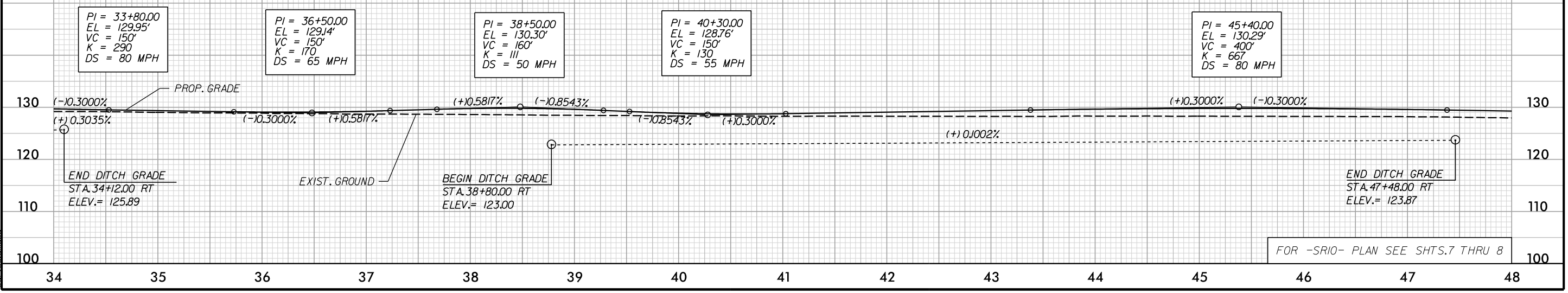
PROJECT REFERENCE NO. 1-6064/1-5879	SHEET NO. 90
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	

**-SR10-
W. 5TH ST.**



FOR -SR10- PLAN SEE SHTS.6 THRU 7

**-SR10-
W. 5TH ST.**



FOR -SR10- PLAN SEE SHTS.7 THRU 8

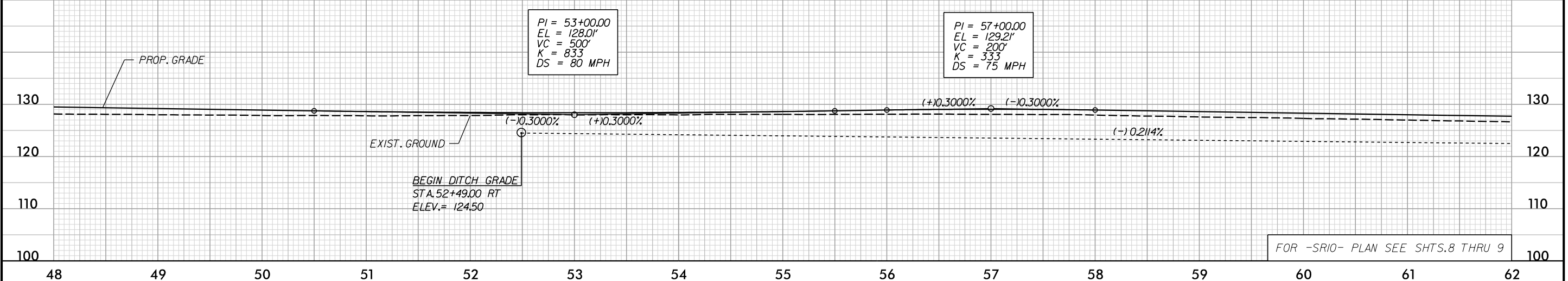
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5/28/99

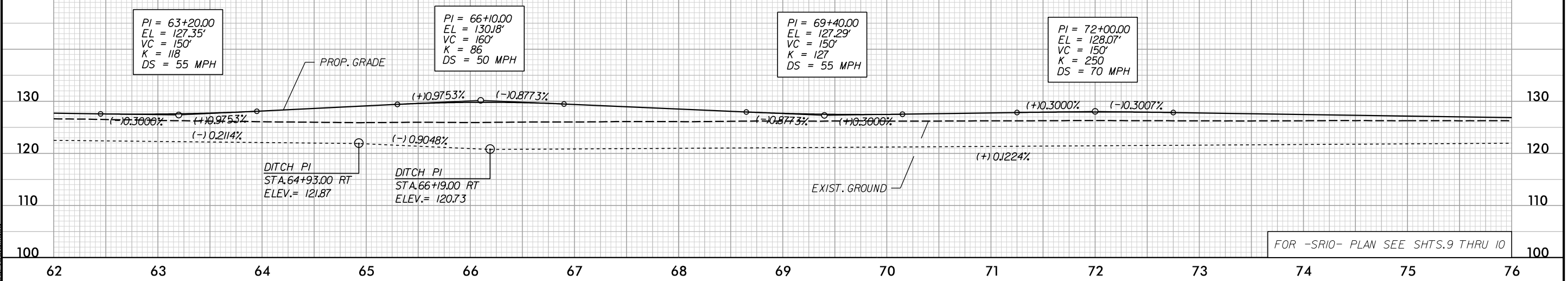
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PROJECT REFERENCE NO. 1-6064/1-5879	SHEET NO. 91
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	

-SR10- W. 5TH ST.



-SR10- W. 5TH ST.



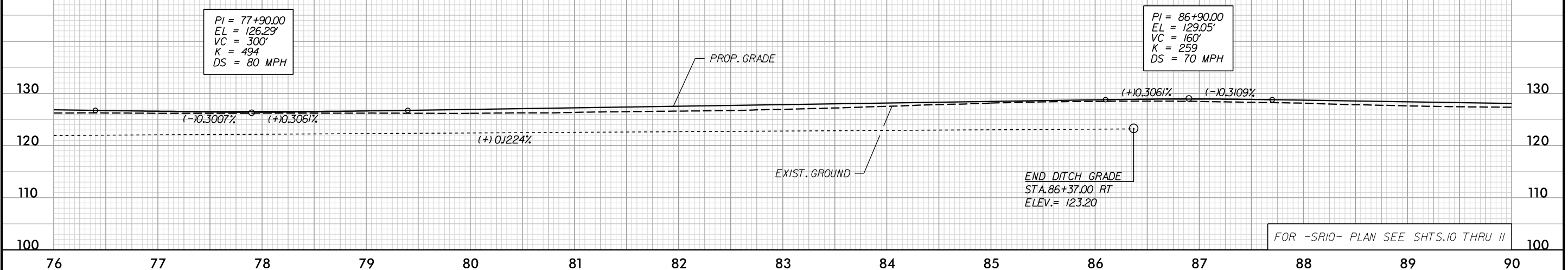
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5/28/99

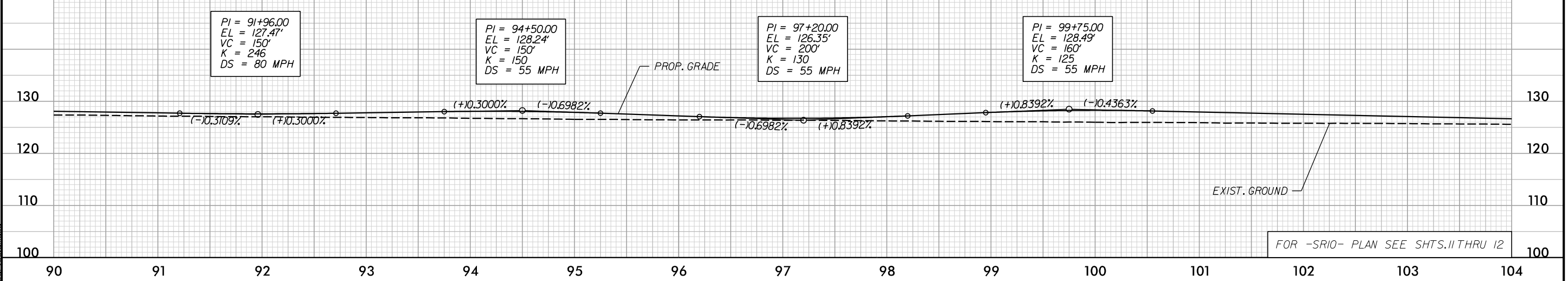
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PROJECT REFERENCE NO. 1-6064/1-5879	SHEET NO. 92
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER
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-SR10- W. 5TH ST.



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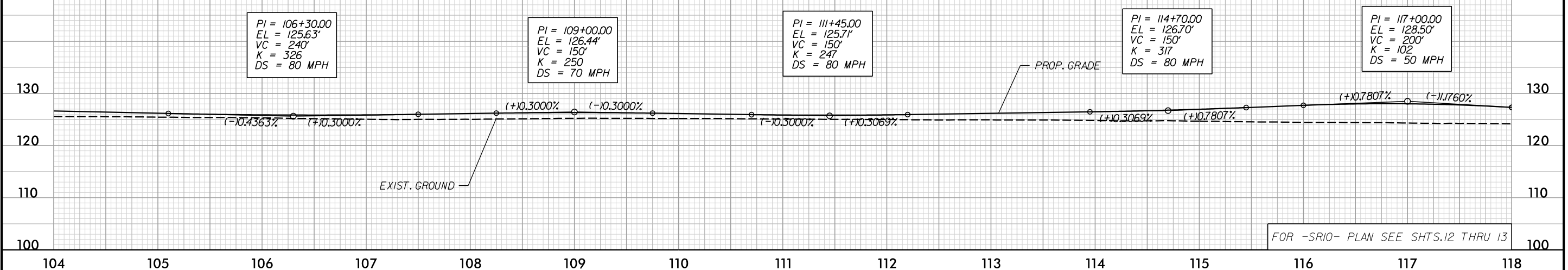
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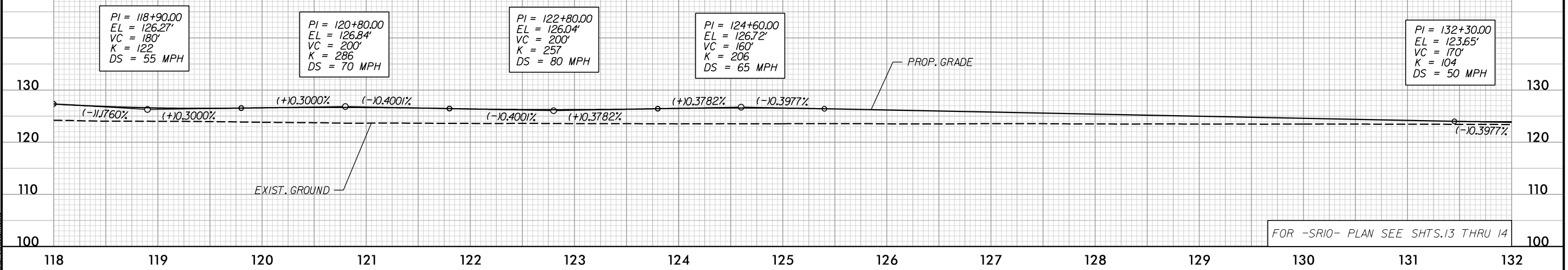
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FOR -SR10- PLAN SEE SHTS.12 THRU 13

-SR10- W. 5TH ST.



FOR -SR10- PLAN SEE SHTS.13 THRU 14

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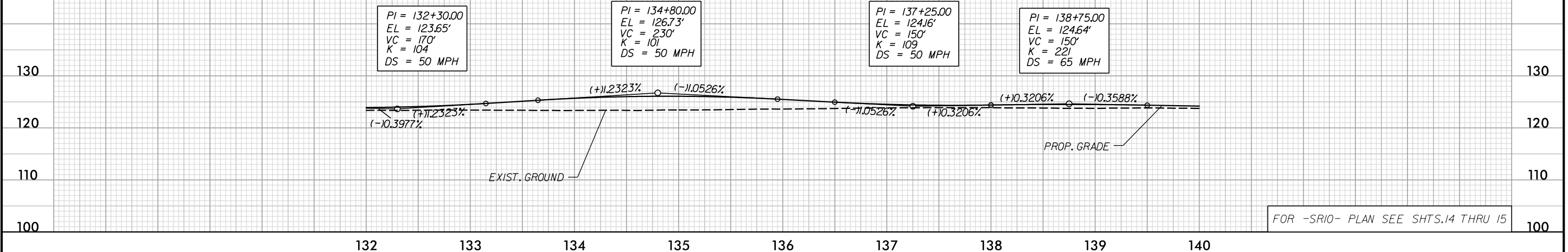
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ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

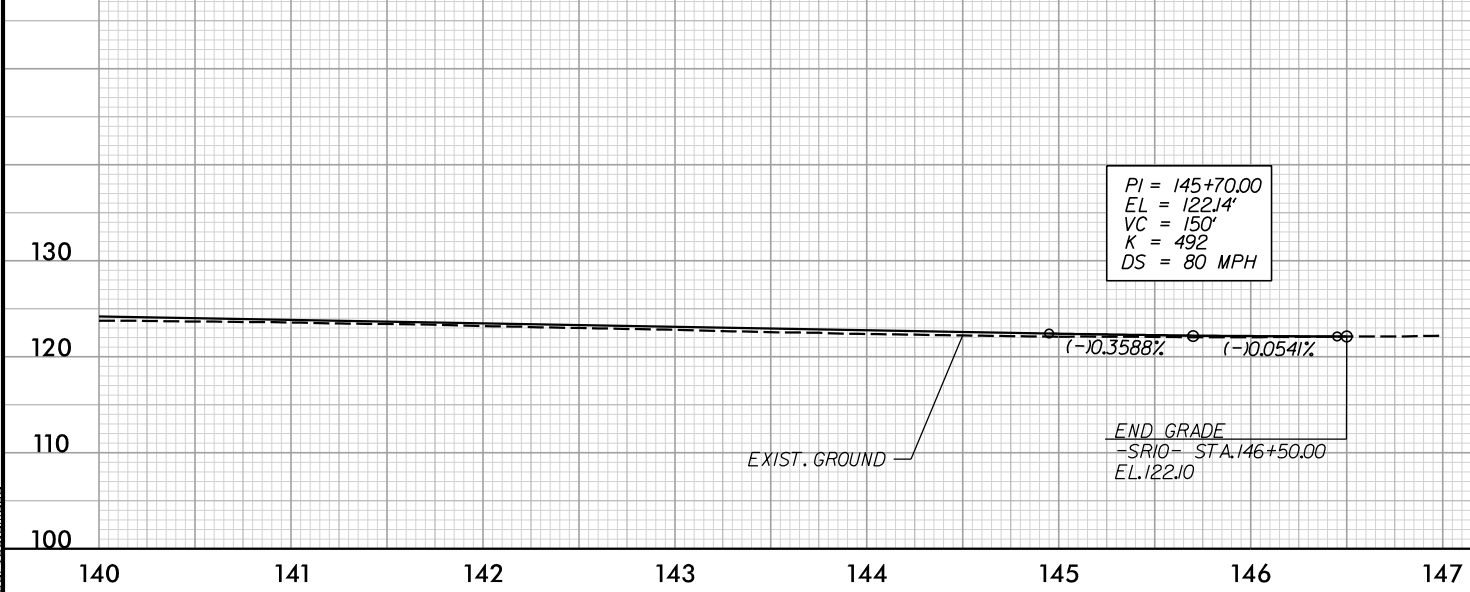
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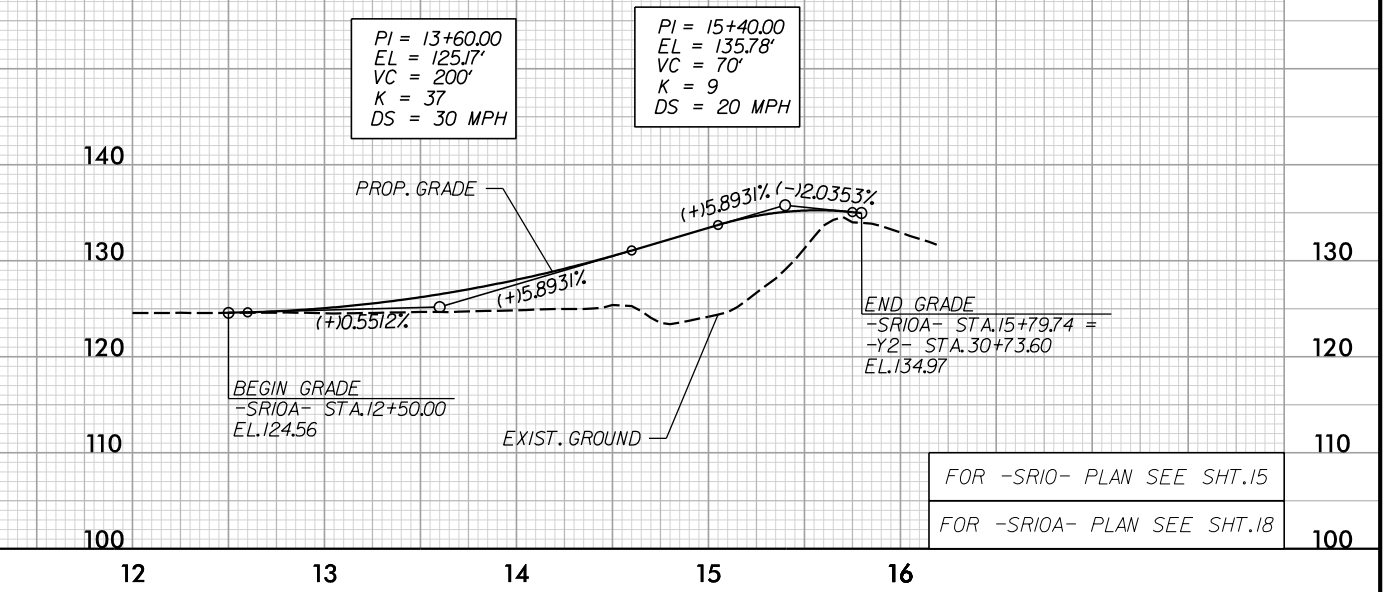


FOR -SR10- PLAN SEE SHTS. 14 THRU 15

-SR10- W. 5TH ST.



-SR10A- W. 5TH ST.



FOR -SR10- PLAN SEE SHT. 15

FOR -SR10A- PLAN SEE SHT. 18

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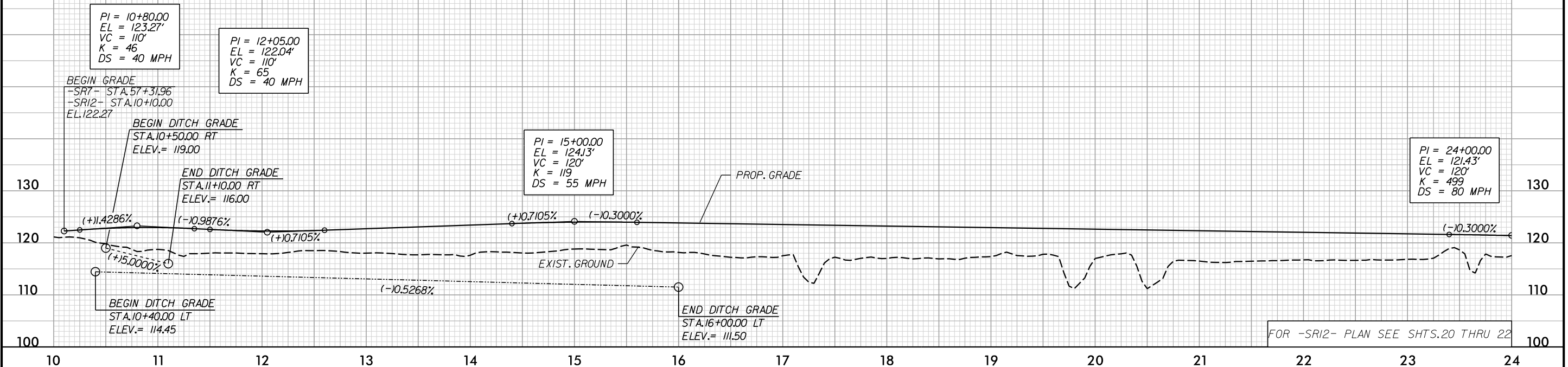
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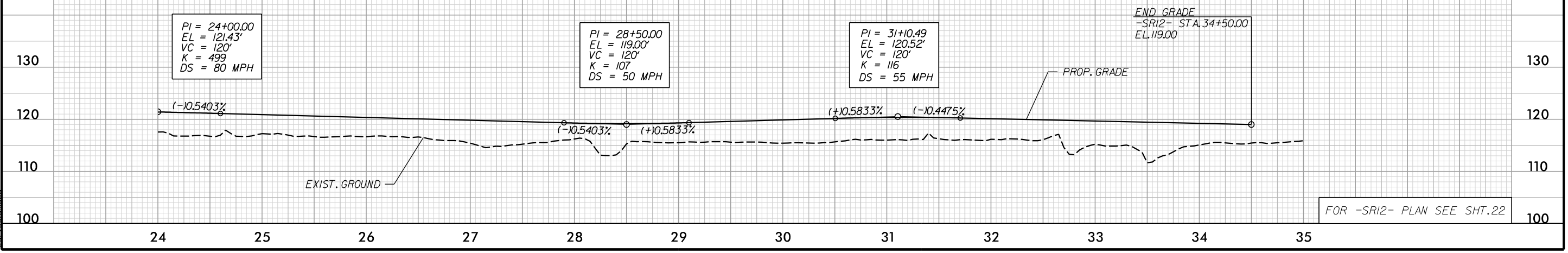
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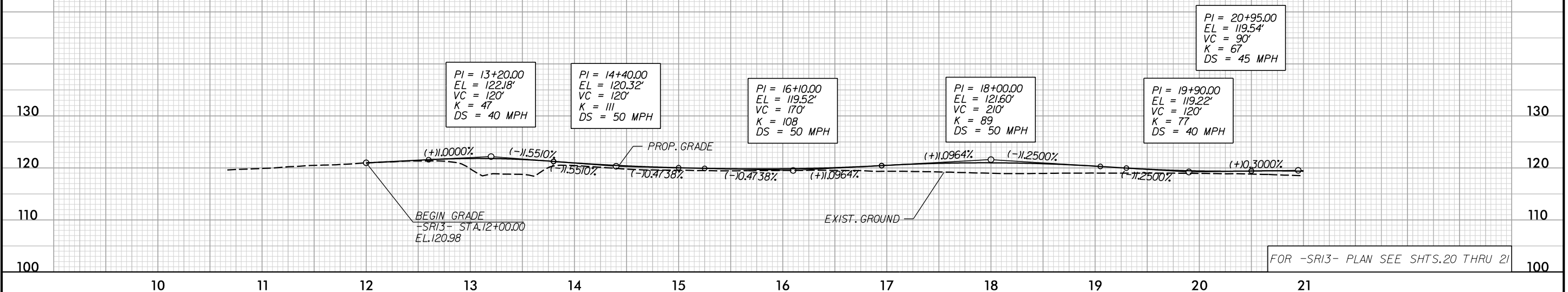
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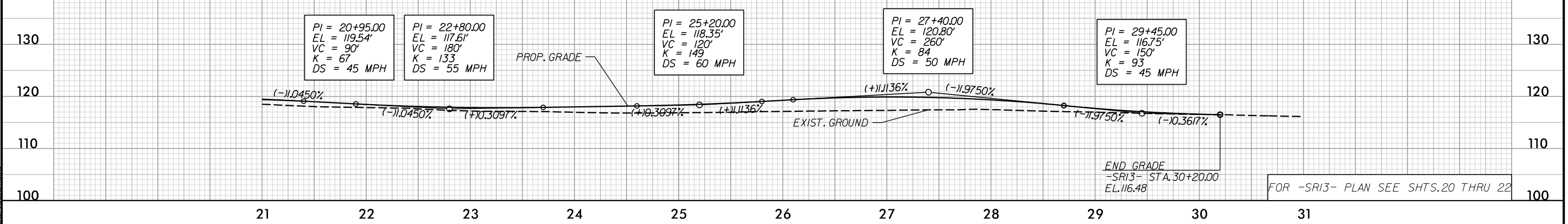
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-SR13- CRYSTAL RD.



-SR13- CRYSTAL RD.



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