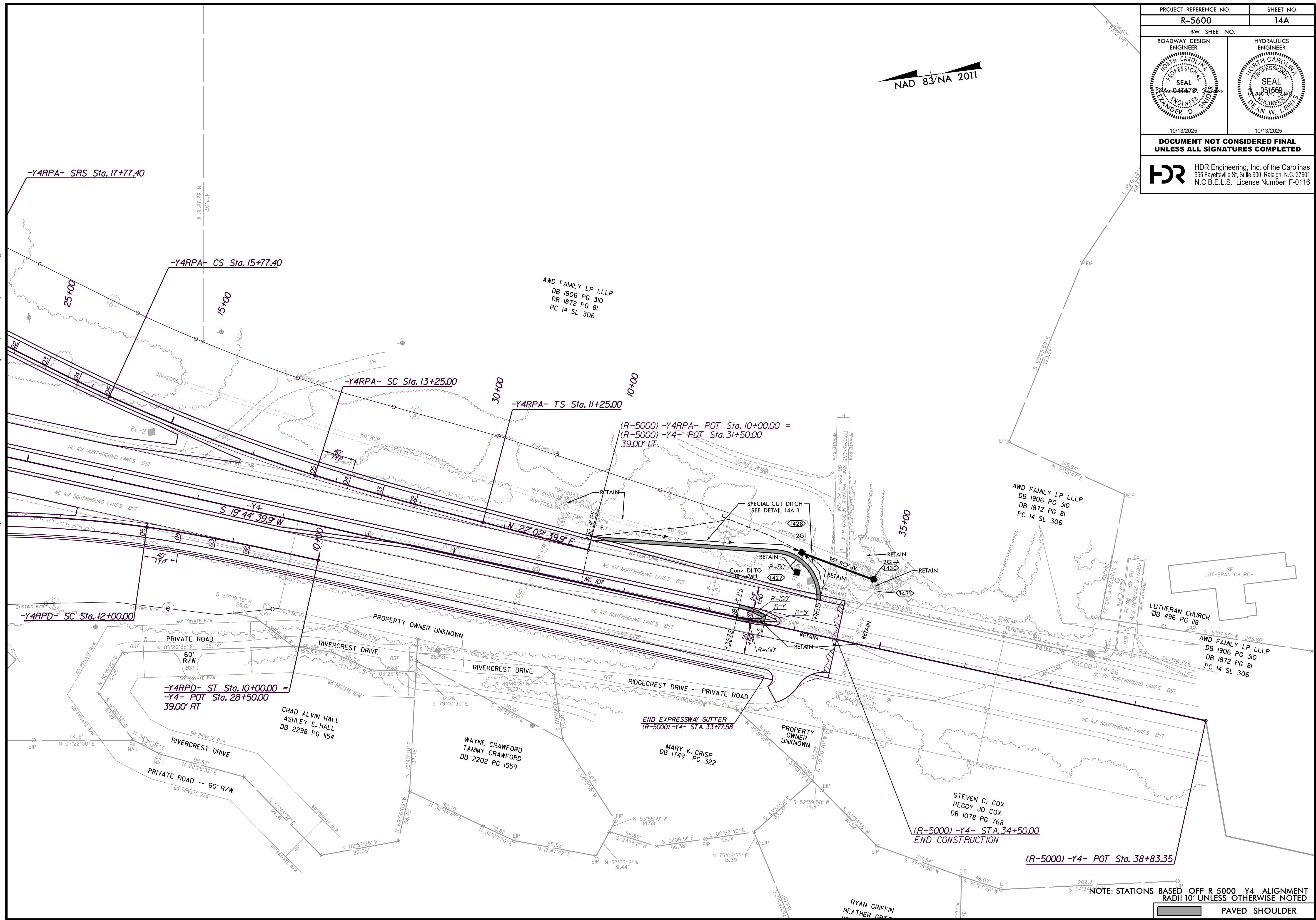
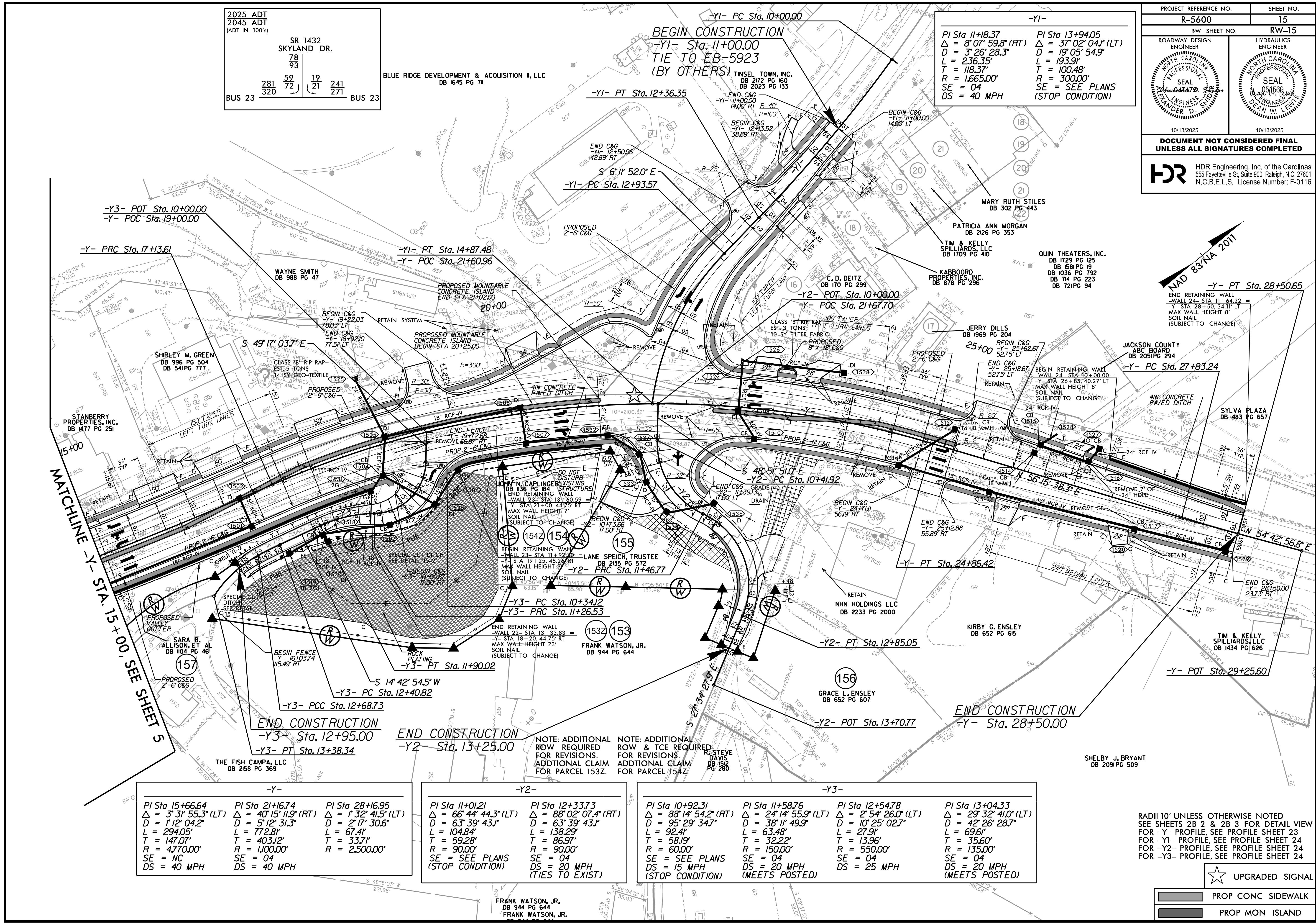


RADI 10' UNLESS OTHERWISE NOTED
SEE SHEETS 2B-19 & 2B-20 FOR DETAIL VIEW
FOR -L- PROFILE, SEE PROFILE SHEET 21
FOR -L RT- PROFILE, SEE PROFILE SHEET 22
FOR -L LT- PROFILE, SEE PROFILE SHEET 22
FOR -Y23- PROFILE, SEE PROFILE SHEET 29
FOR -Y24- PROFILE, SEE PROFILE SHEET 29

		PROP CONC SIDEWALK
		PROP MON ISLAND
		RAISED GRASS MEDIAN
		PAVEMENT REMOVAL



PLOT DRIVER: NCDOT\ncdot\pdf_color_eng_50.plt
PENTABLE: R5600.pshp.fl.tbl
TIME: 11/29/24 AM
DATE: 10/10/2025
USER: CHANDEN
FILE: NCDOT\ncdot\Western_Div_On-Coll_M_NCDOT_6170_R5600_NC170_US23BUS\6.0_CAD_BIM\6.2_Work_In_Progress\Roadway\Project\R5600_Rdy_psh-15.dgn



2025 ADT
2045 ADT
(ADT IN 100's)

SR 1432 SKYLAND DR.	
78 93	
281 320	59 72
	19 21
BUS 23	241 271
	BUS 23

-Y1-	-Y1-
PI Sta 11+18.37	PI Sta 13+94.05
$\Delta = 8' 07'' 59.8''$ (RT)	$\Delta = 37' 02'' 04.1''$ (LT)
D = 3' 26' 28.3"	D = 19' 05' 54.9"
L = 236.35'	L = 193.91'
T = 118.37'	T = 100.48'
R = 1,665.00'	R = 300.00'
SE = 04	SE = SEE PLANS
DS = 40 MPH	(STOP CONDITION)

PROJECT REFERENCE NO. R-5600		SHEET NO. 15	
RW SHEET NO. RW-15		HYDRAULICS ENGINEER	
ROADWAY DESIGN ENGINEER		HYDRAULICS ENGINEER	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED			
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-Y1-	-Y2-	-Y3-
PI Sta 15+66.64	PI Sta 21+16.74	PI Sta 28+16.95
$\Delta = 3' 31'' 55.3''$ (LT)	$\Delta = 40' 15'' 11.9''$ (RT)	$\Delta = 1' 32'' 41.5''$ (LT)
D = 1' 12' 04.2"	D = 5' 12' 31.3"	D = 2' 17' 30.6"
L = 294.05'	L = 772.81'	L = 67.41'
T = 147.07'	T = 403.12'	T = 33.71'
R = 4,770.00'	R = 1,000.00'	R = 2,500.00'
SE = NC	SE = 04	SE = 04
DS = 40 MPH	DS = 40 MPH	DS = 40 MPH

-Y2-	-Y3-
PI Sta 11+01.21	PI Sta 12+33.73
$\Delta = 66' 44'' 44.3''$ (LT)	$\Delta = 88' 02'' 07.4''$ (RT)
D = 63' 39' 43.1"	D = 63' 39' 43.1"
L = 104.84'	L = 138.29'
T = 59.28'	T = 86.97'
R = 90.00'	R = 90.00'
SE = SEE PLANS	SE = 04
(STOP CONDITION)	DS = 20 MPH
	(TIES TO EXIST)

-Y2-	-Y3-
PI Sta 10+92.31	PI Sta 11+58.76
$\Delta = 88' 14'' 54.2''$ (RT)	$\Delta = 24' 14'' 55.9''$ (LT)
D = 95' 29' 34.7"	D = 38' 11' 49.9"
L = 92.41'	L = 63.48'
T = 58.19'	T = 32.22'
R = 60.00'	R = 150.00'
SE = SEE PLANS	SE = 04
DS = 15 MPH	DS = 20 MPH
(STOP CONDITION)	(MEETS POSTED)

-Y3-
PI Sta 12+54.78
$\Delta = 2' 54'' 26.0''$ (LT)
D = 10' 25' 02.7"
L = 27.91'
T = 13.96'
R = 550.00'
SE = 04
DS = 20 MPH
(MEETS POSTED)

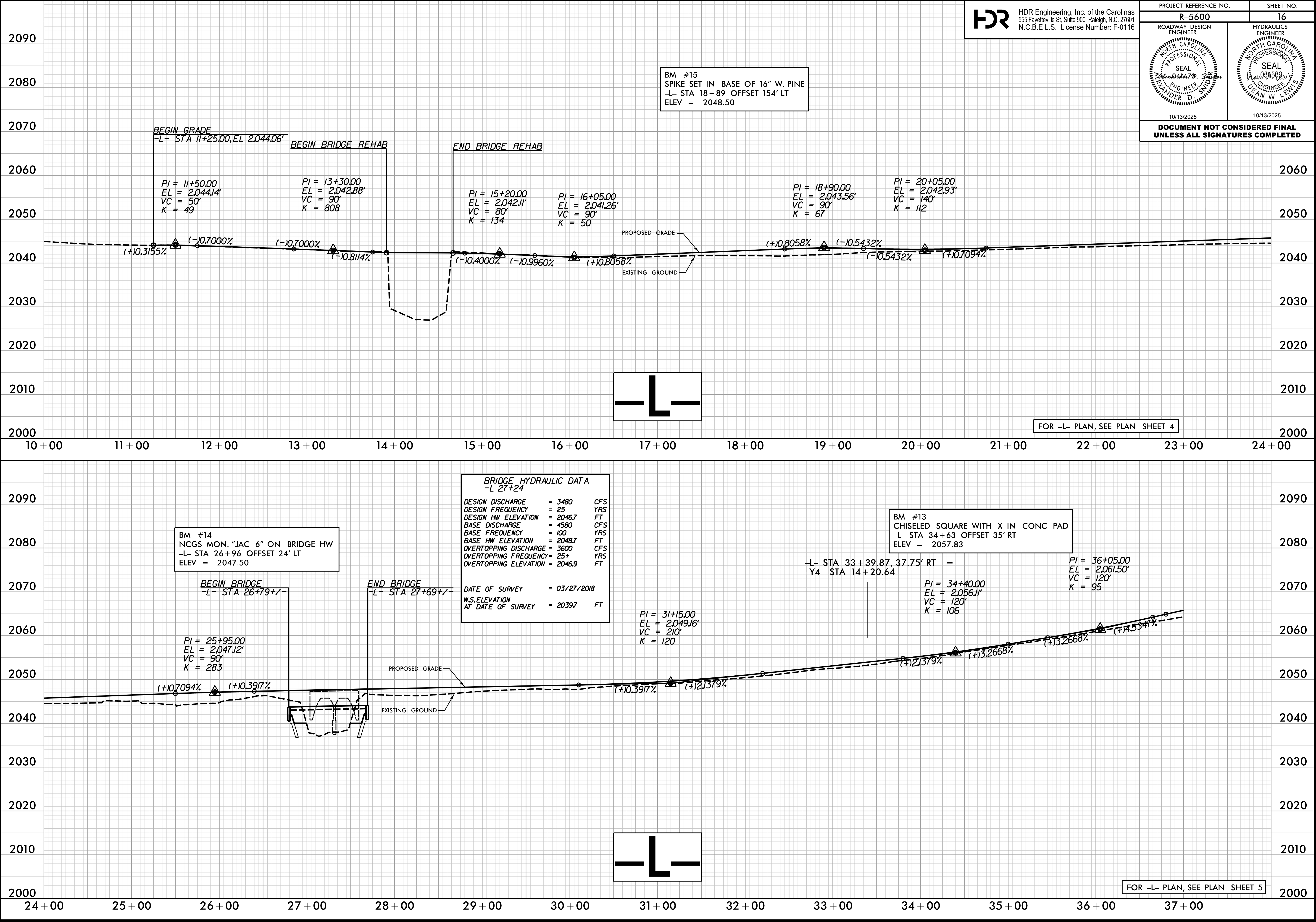
RADI 10' UNLESS OTHERWISE NOTED
SEE SHEETS 28-2 & 28-3 FOR DETAIL VIEW
FOR -Y1- PROFILE, SEE PROFILE SHEET 23
FOR -Y2- PROFILE, SEE PROFILE SHEET 24
FOR -Y3- PROFILE, SEE PROFILE SHEET 24

	UPGRADED SIGNAL
	PROP CONC SIDEWALK
	PROP MON ISLAND

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USER: ASNIDER
FILE: \

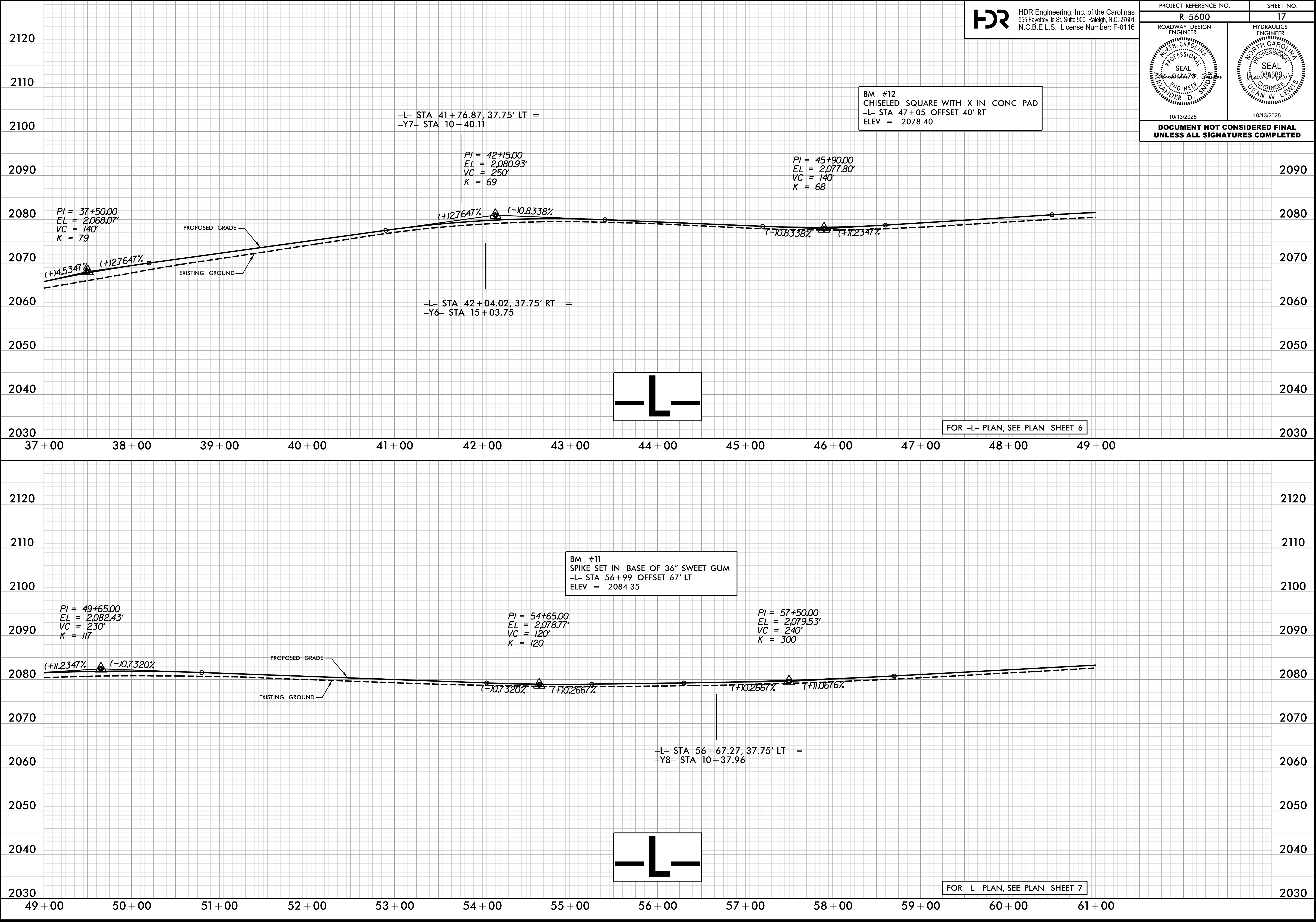
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DATE: 10/12/2025

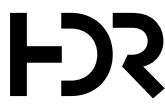
5/28/99



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FILE: \

5/28/24





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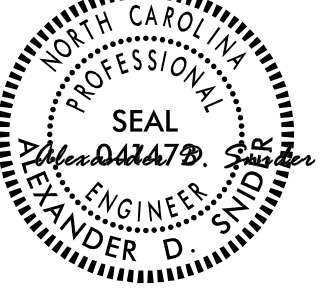
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PROJECT REFERENCE NO.

R-5600

ROADWAY DESIGN ENGINEER



10/13/2025

SHEET NO.

17

HYDRAULICS ENGINEER



10/13/2025

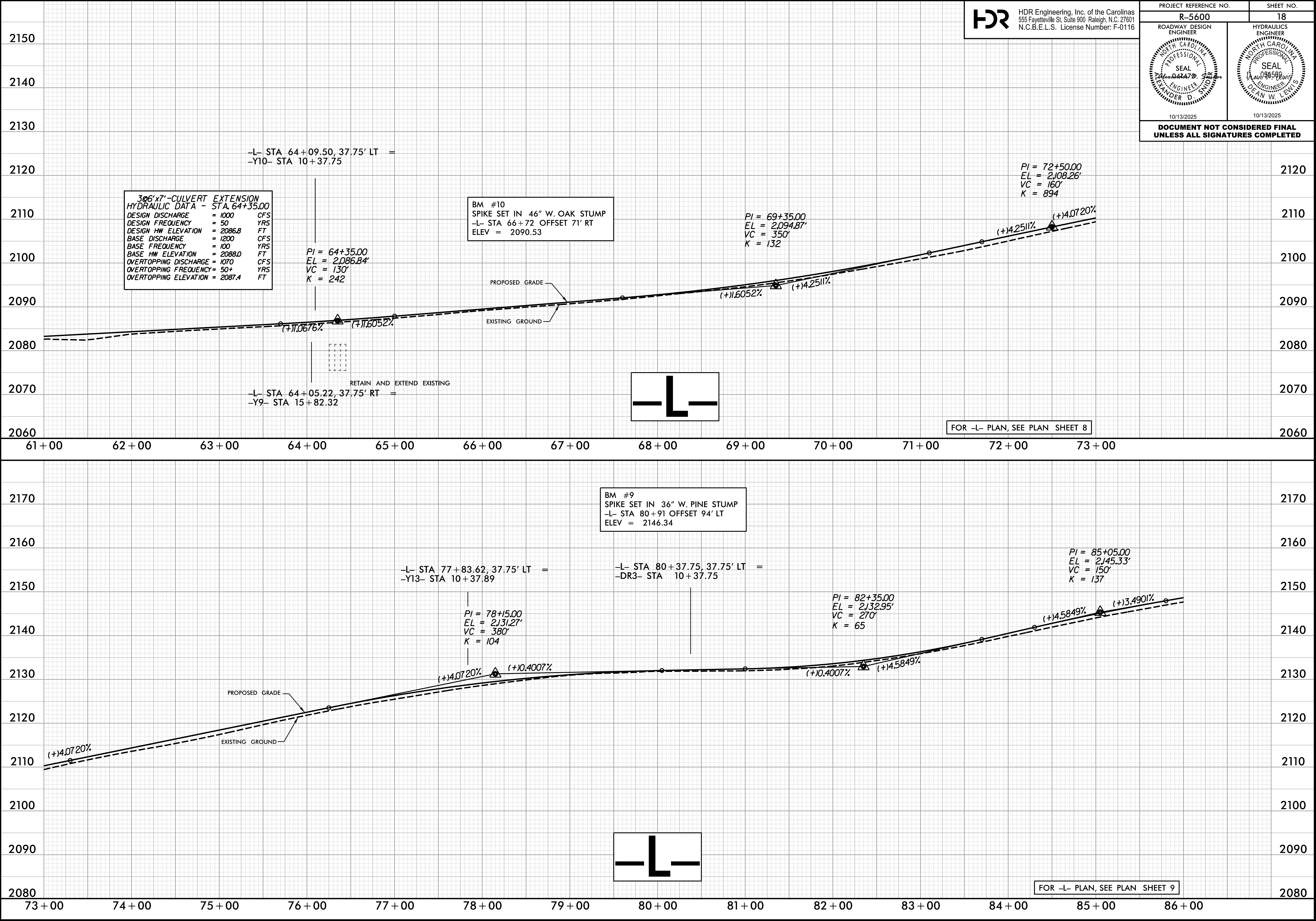
DOCUMENT NOT CONSIDERED FINAL

UNLESS ALL SIGNATURES COMPLETED

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DATE: 6/30/2025
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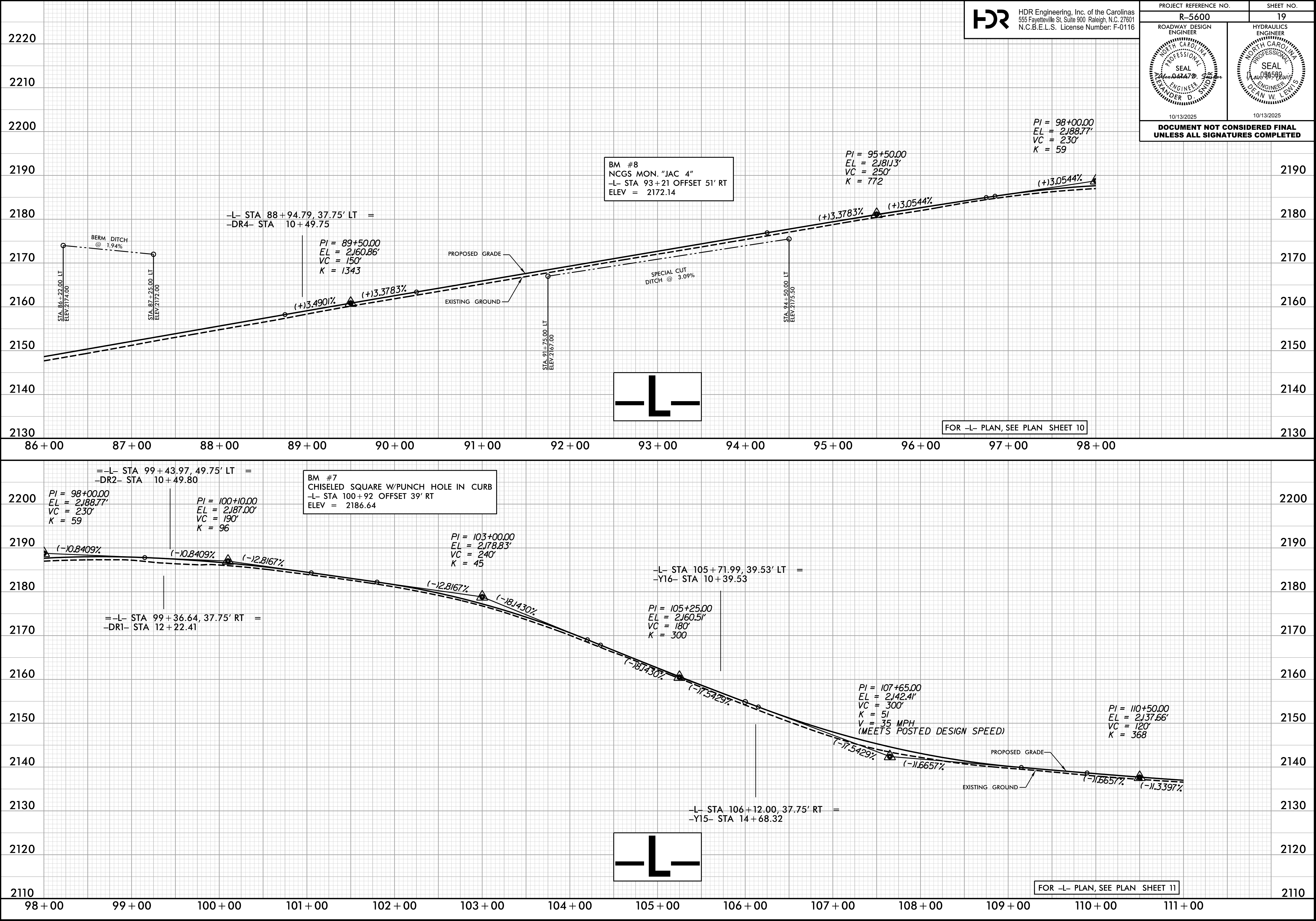
5/28/24



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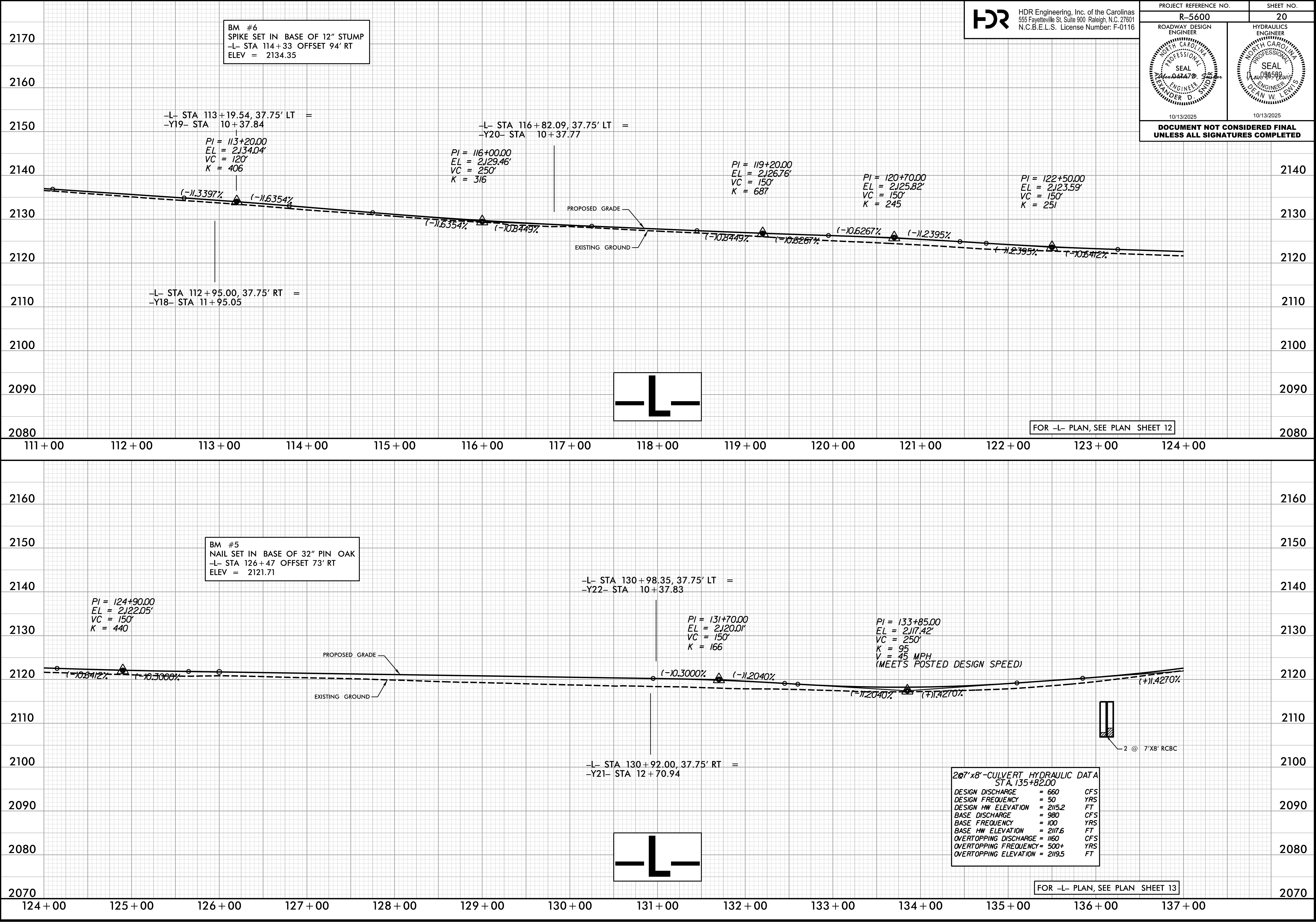
5/28/99

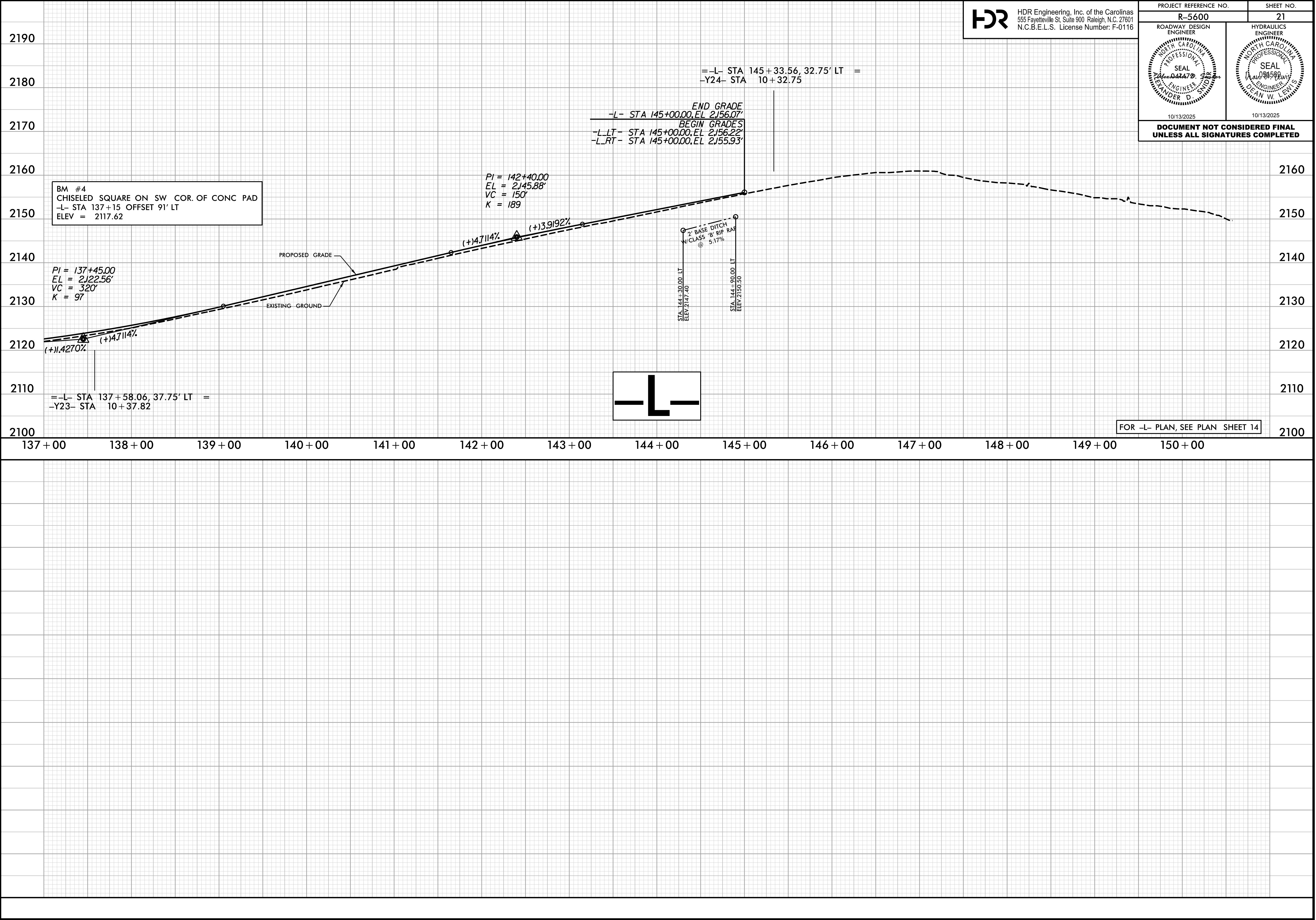


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DATE: 6/30/2025
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5/28/99





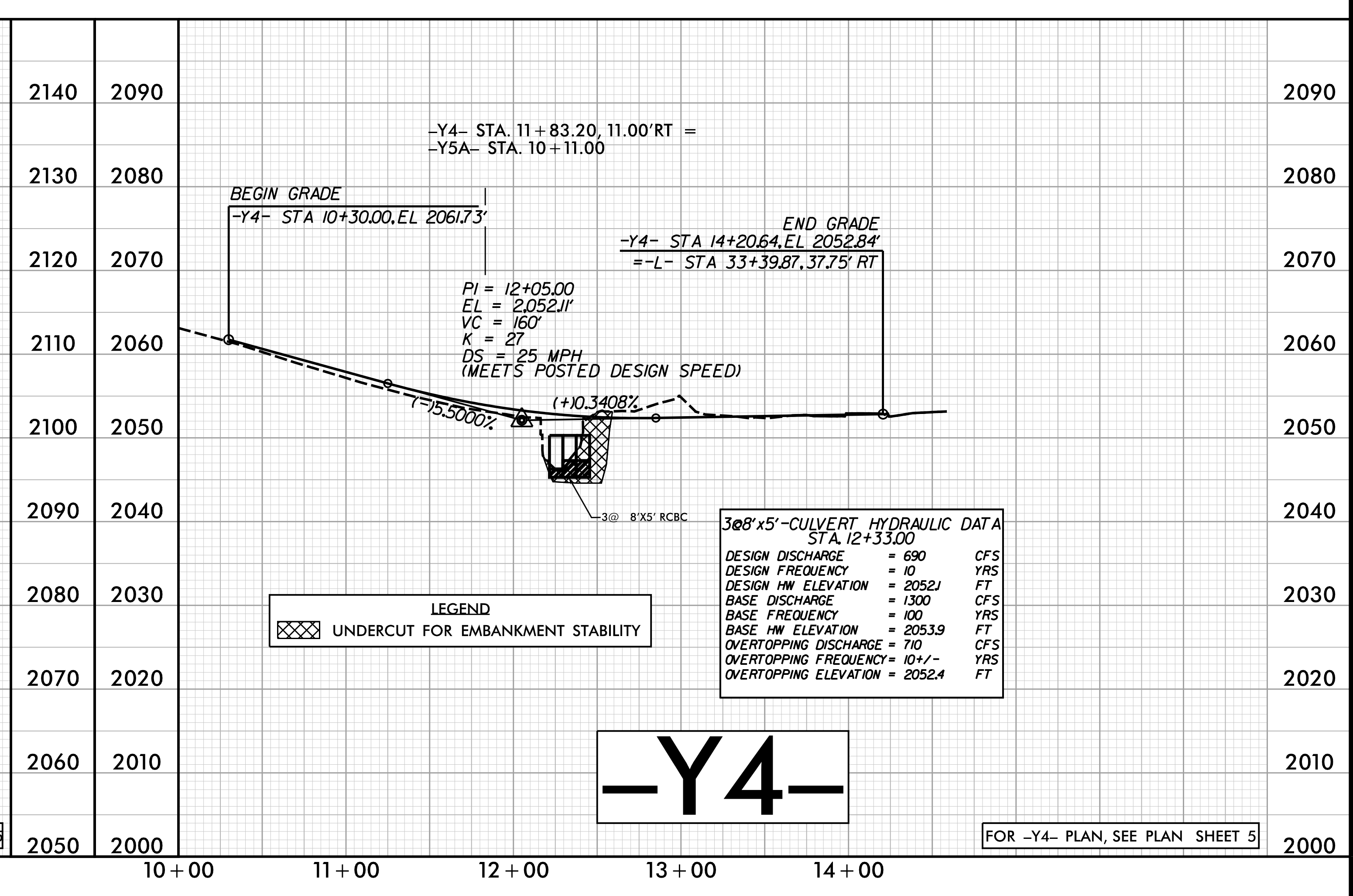
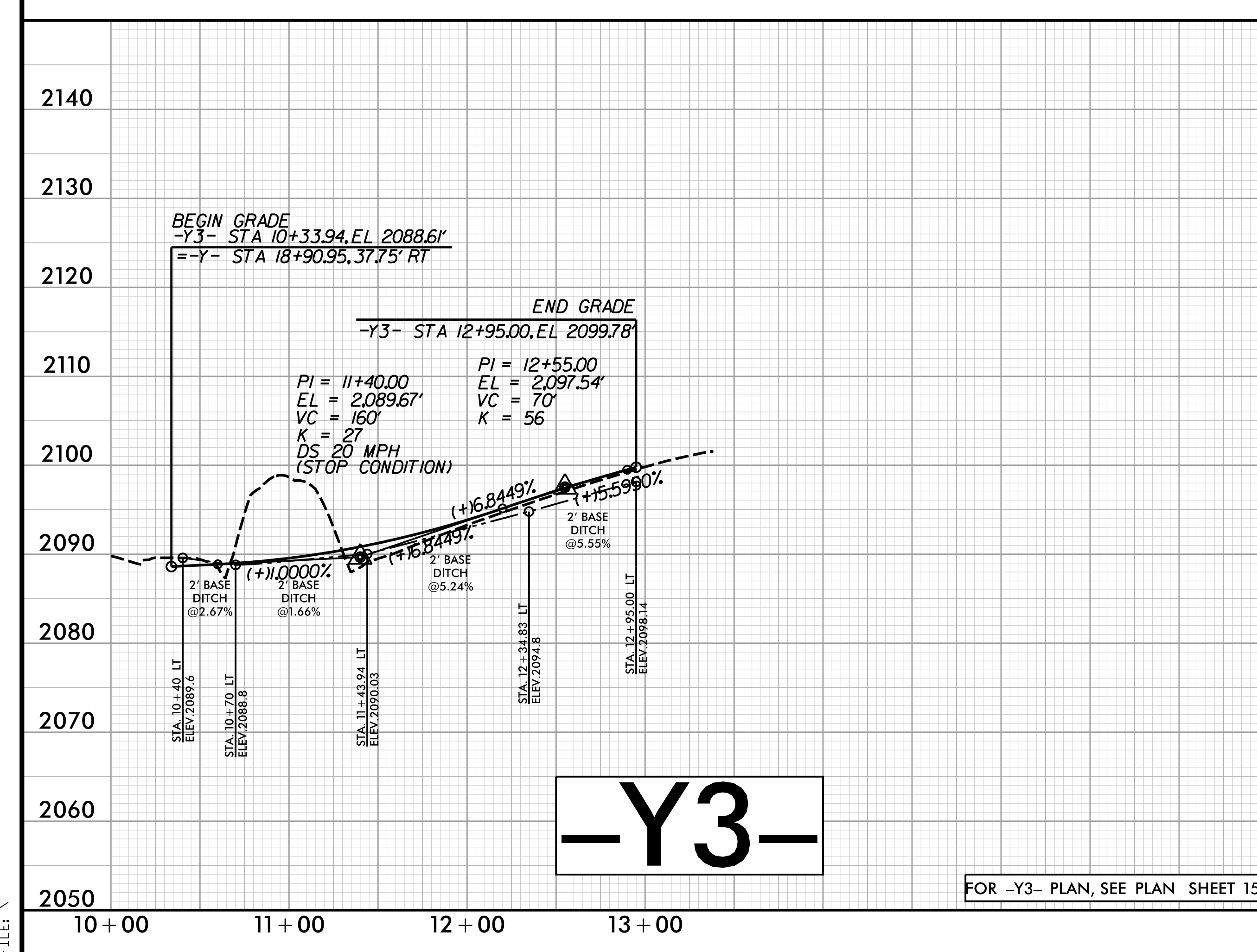
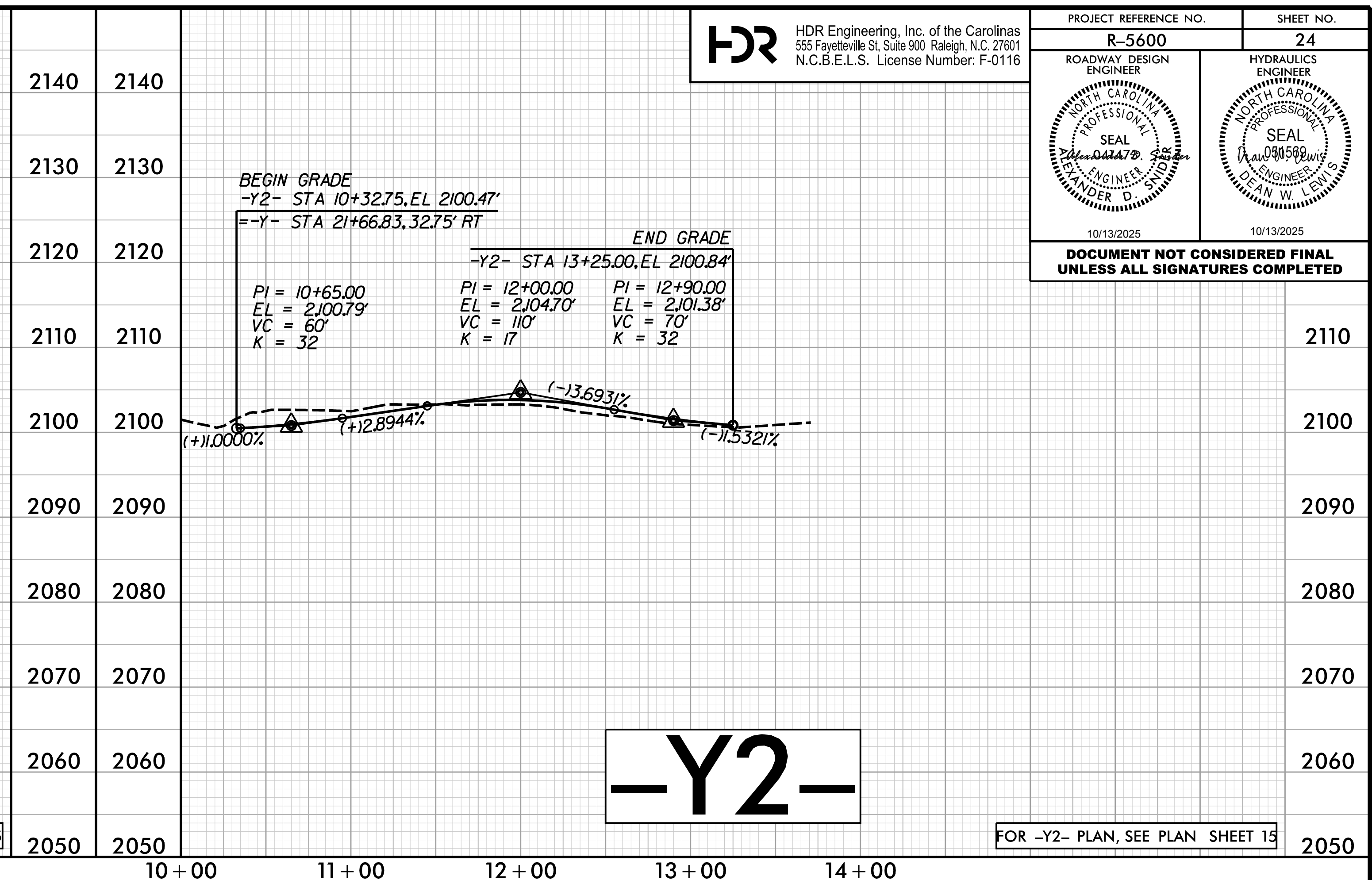
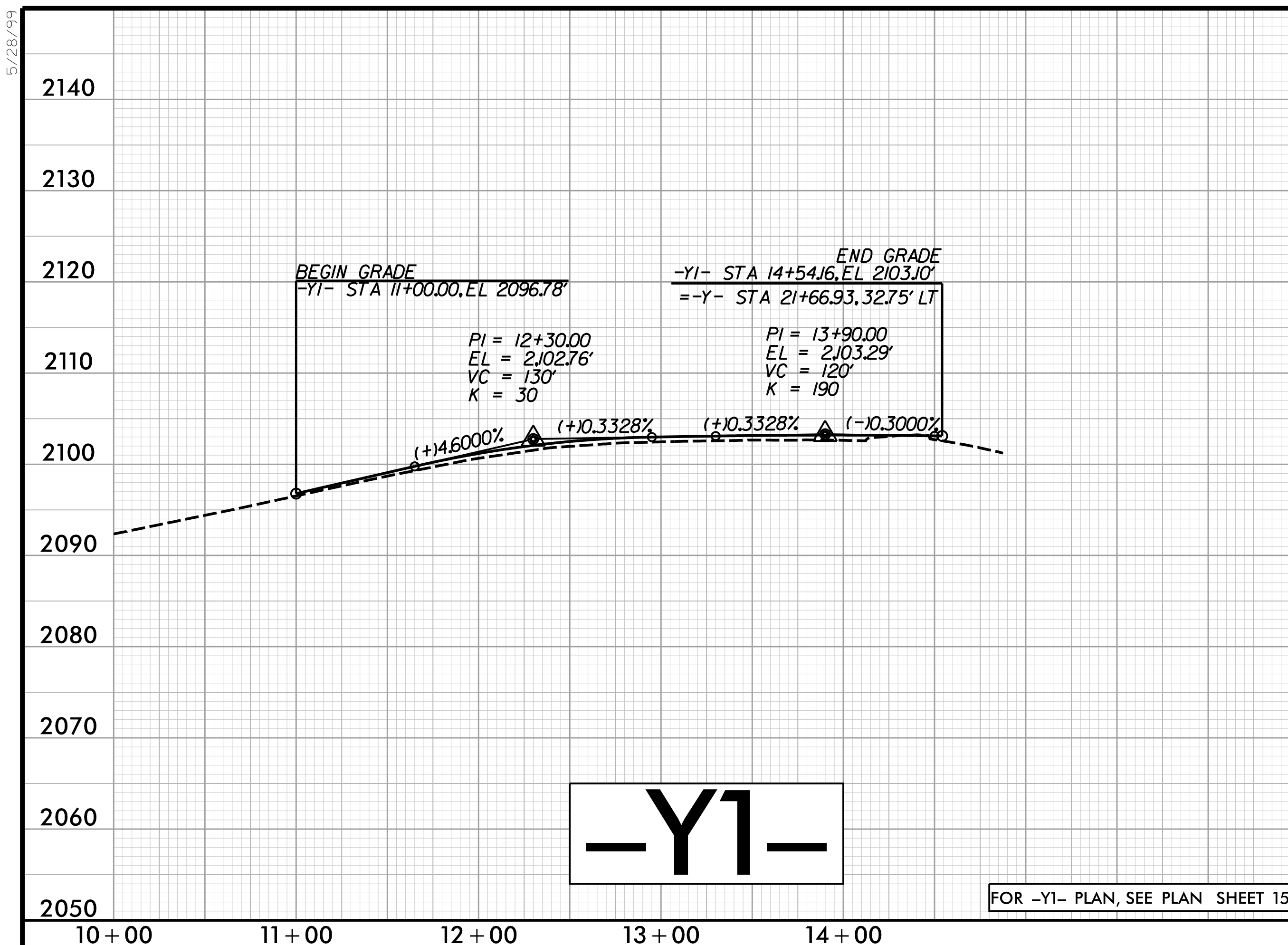
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PROJECT REFERENCE NO. R-5600		SHEET NO. 21
ROADWAY DESIGN ENGINEER 	HYDRAULICS ENGINEER 	
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FOR -L- PLAN, SEE PLAN SHEET 14

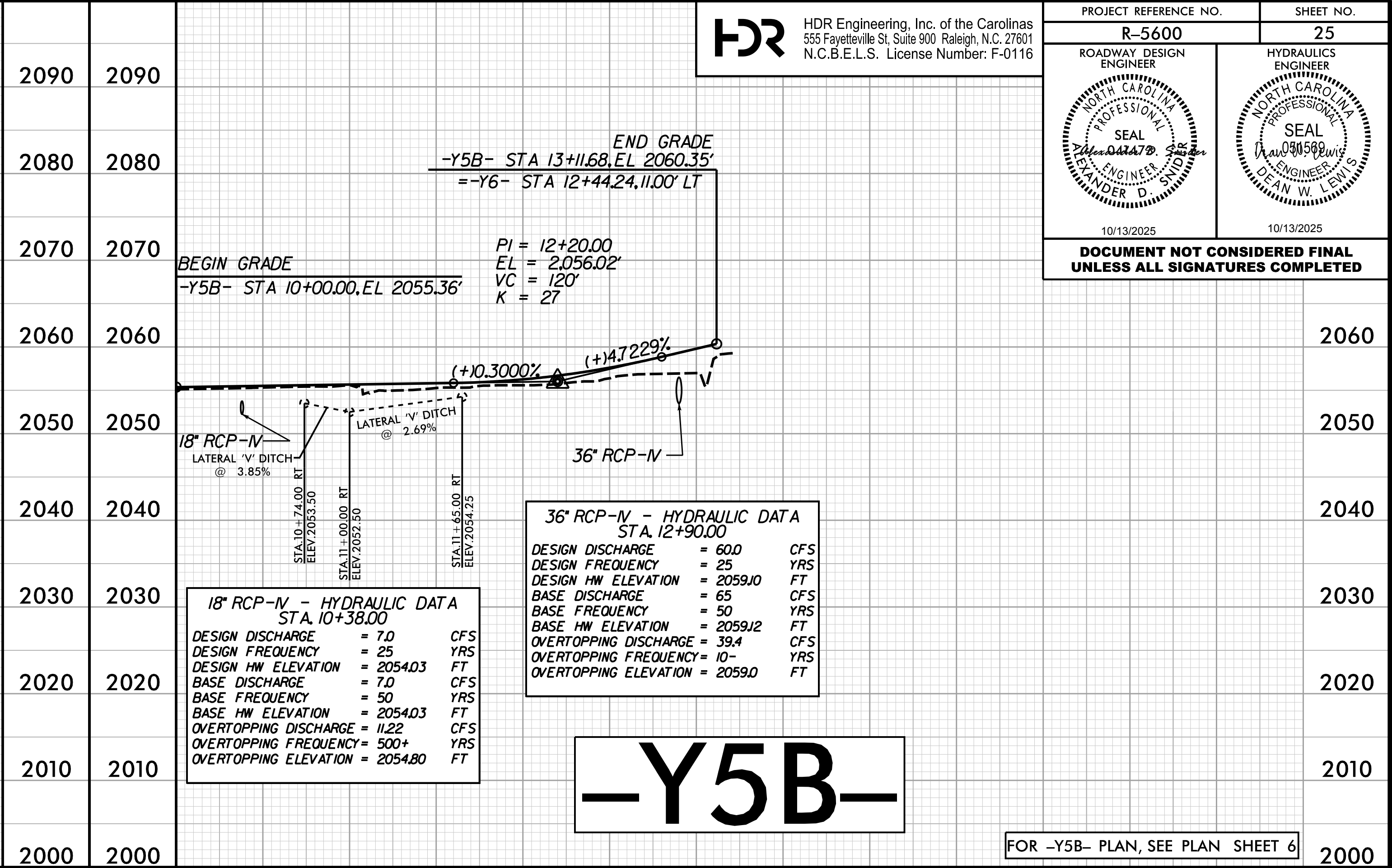
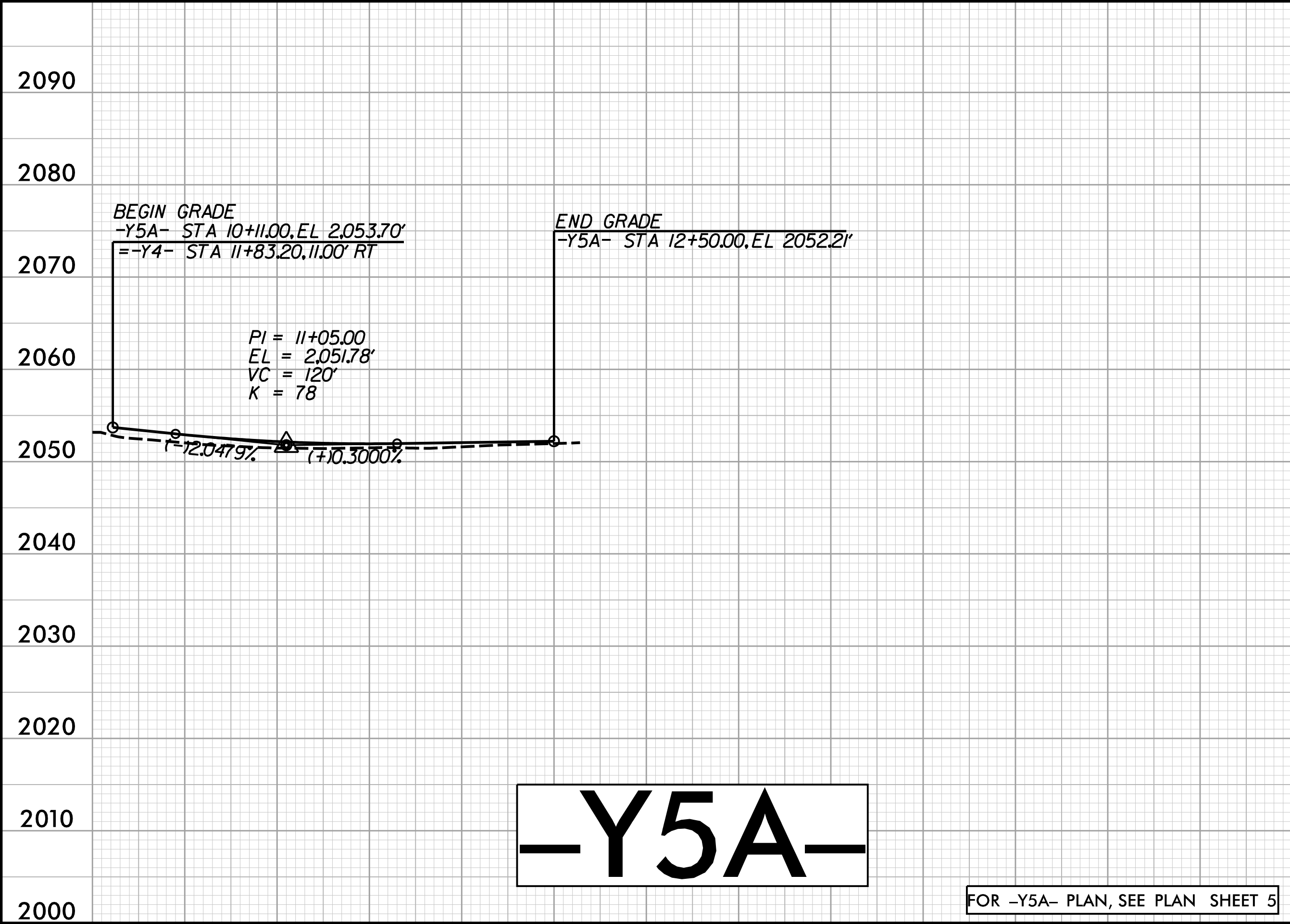
FOR -L- PLAN, SEE PLAN SHEET 14



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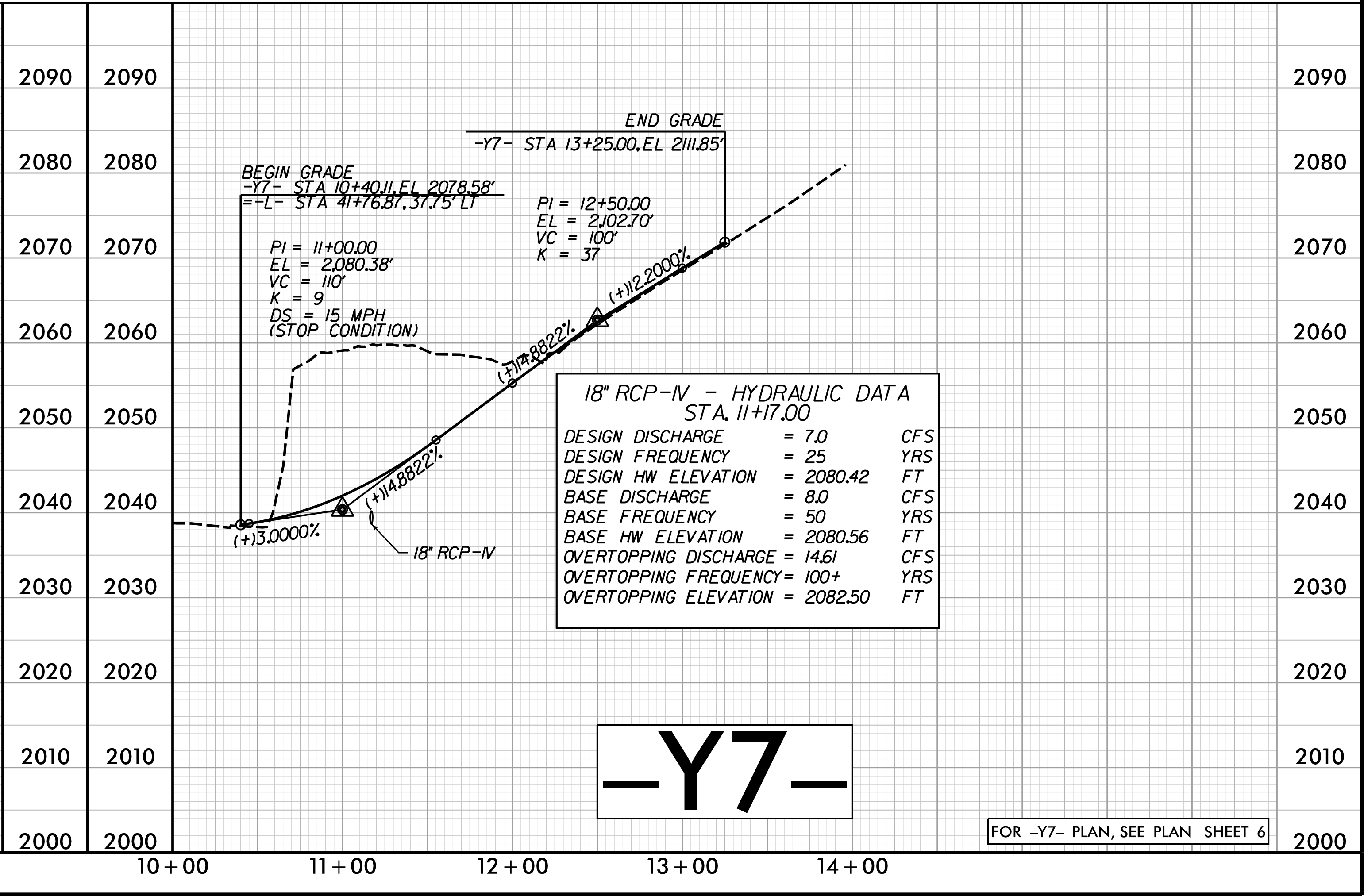
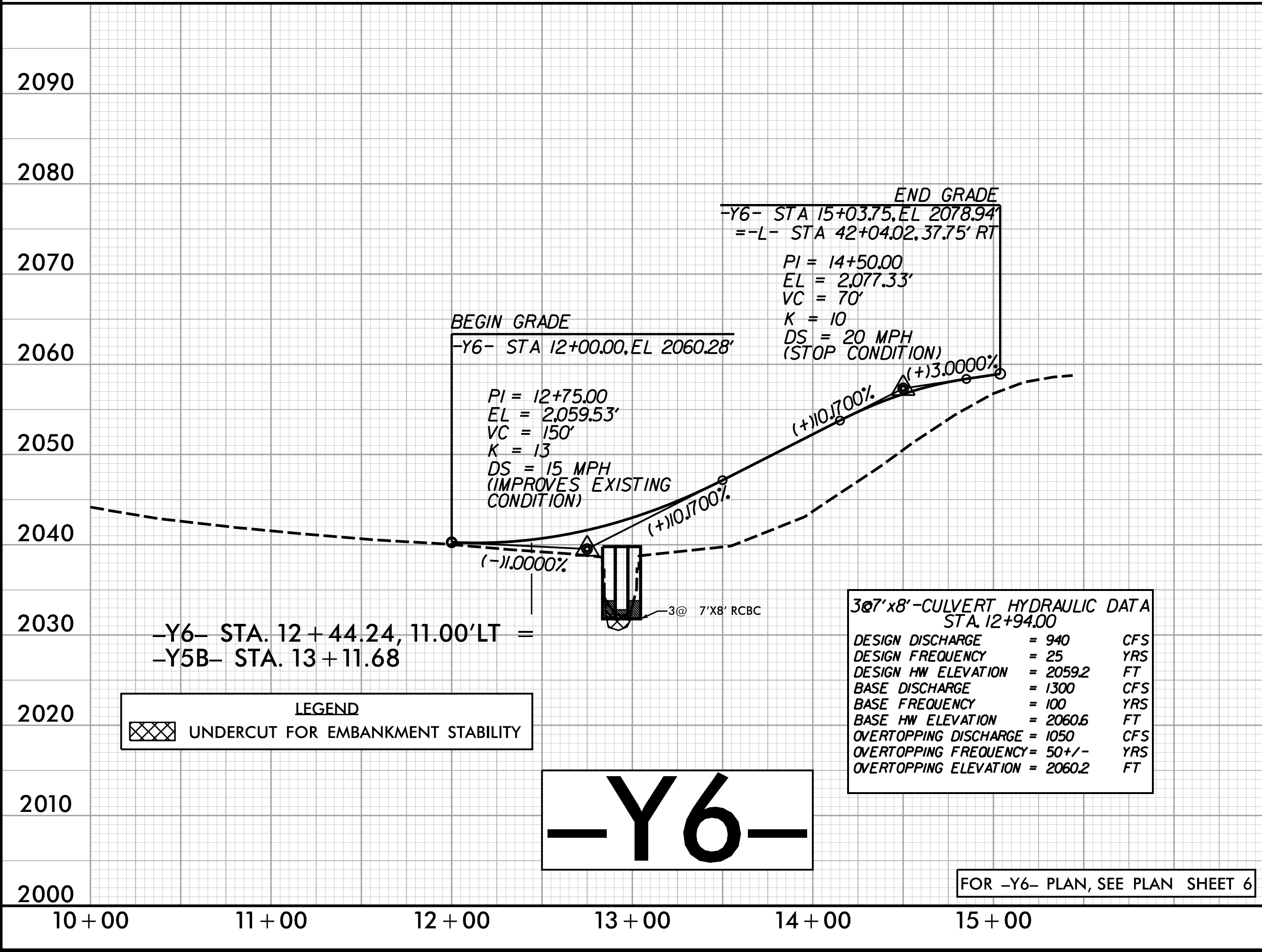
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5/28/99



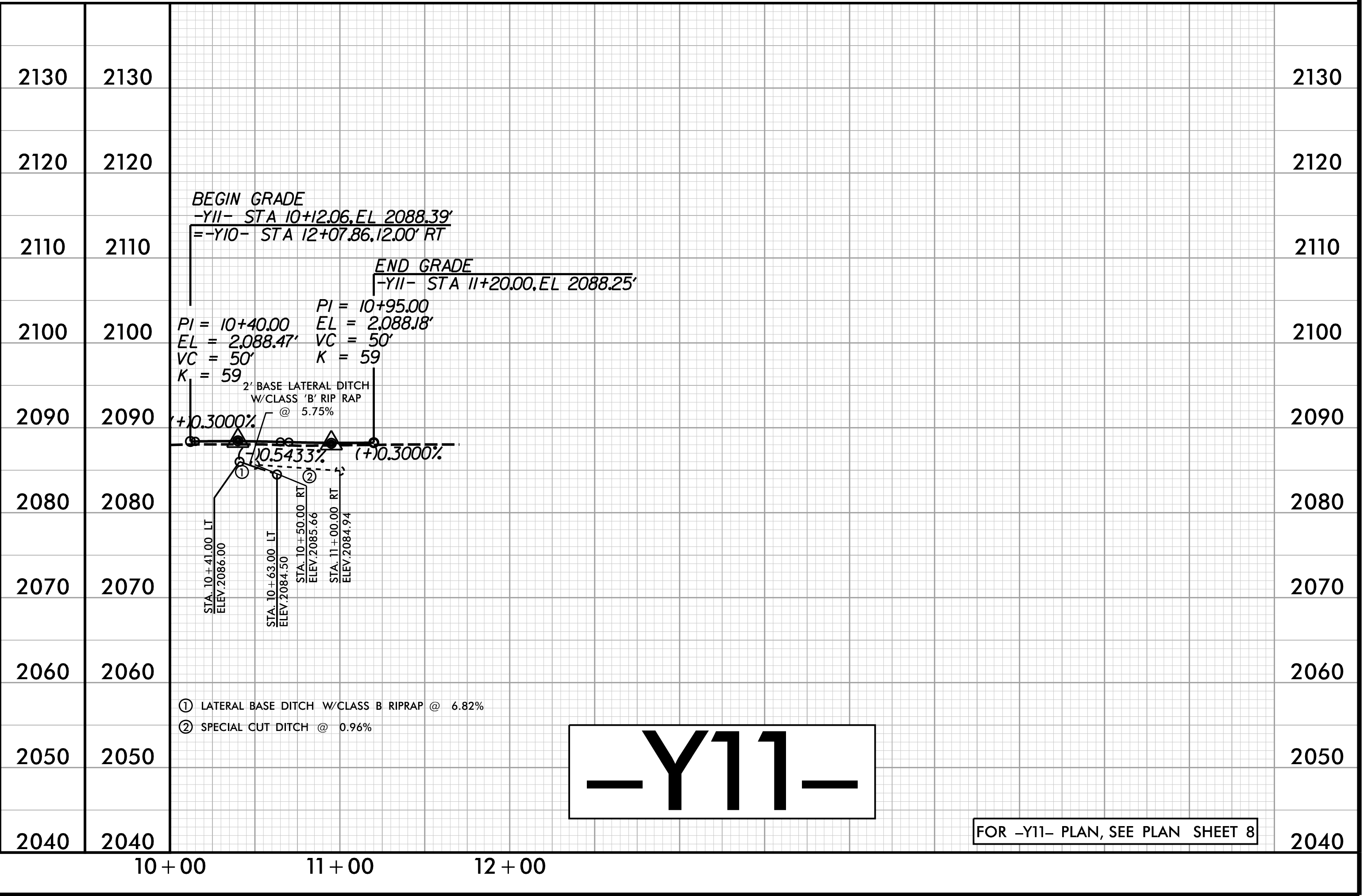
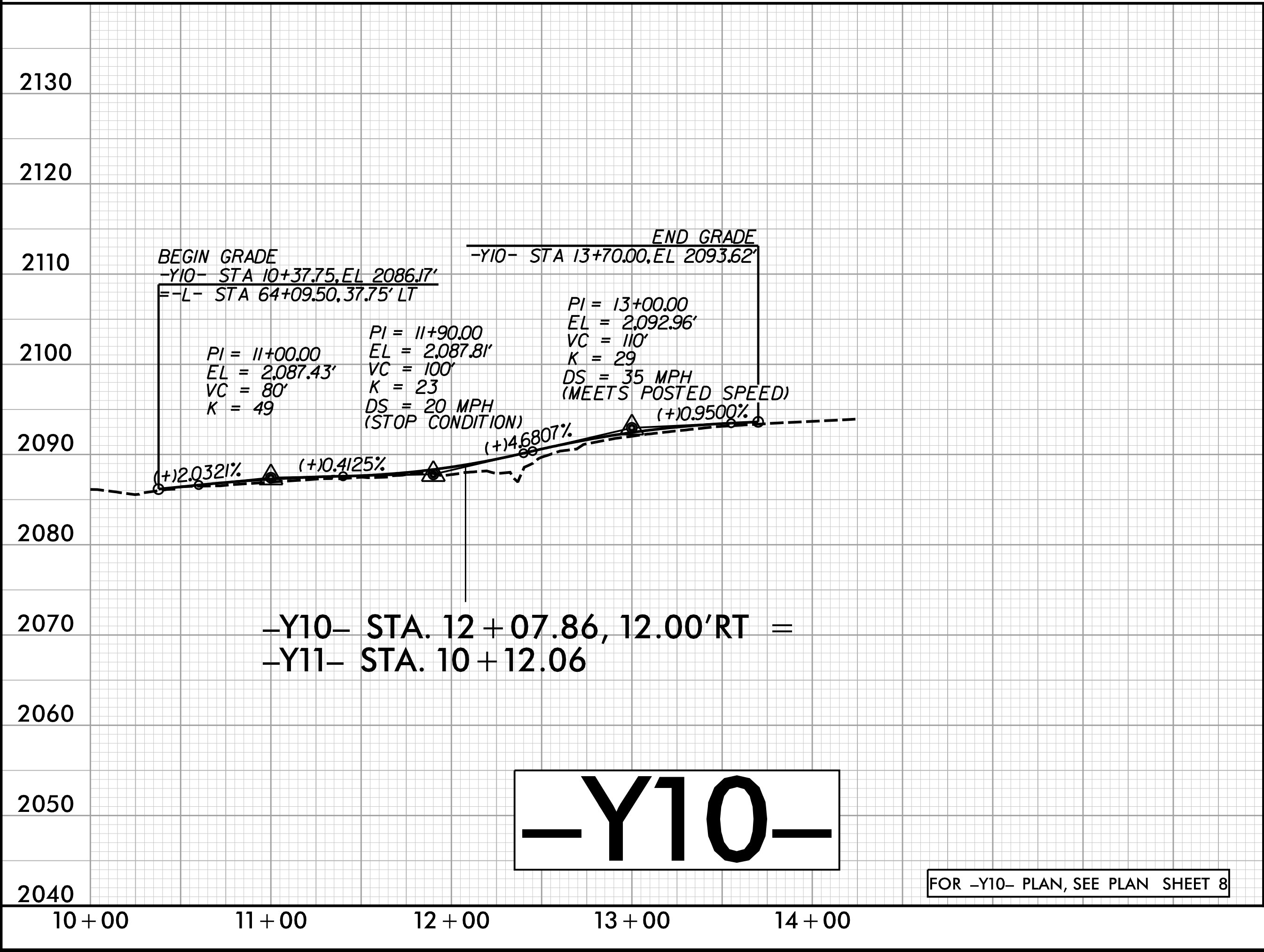
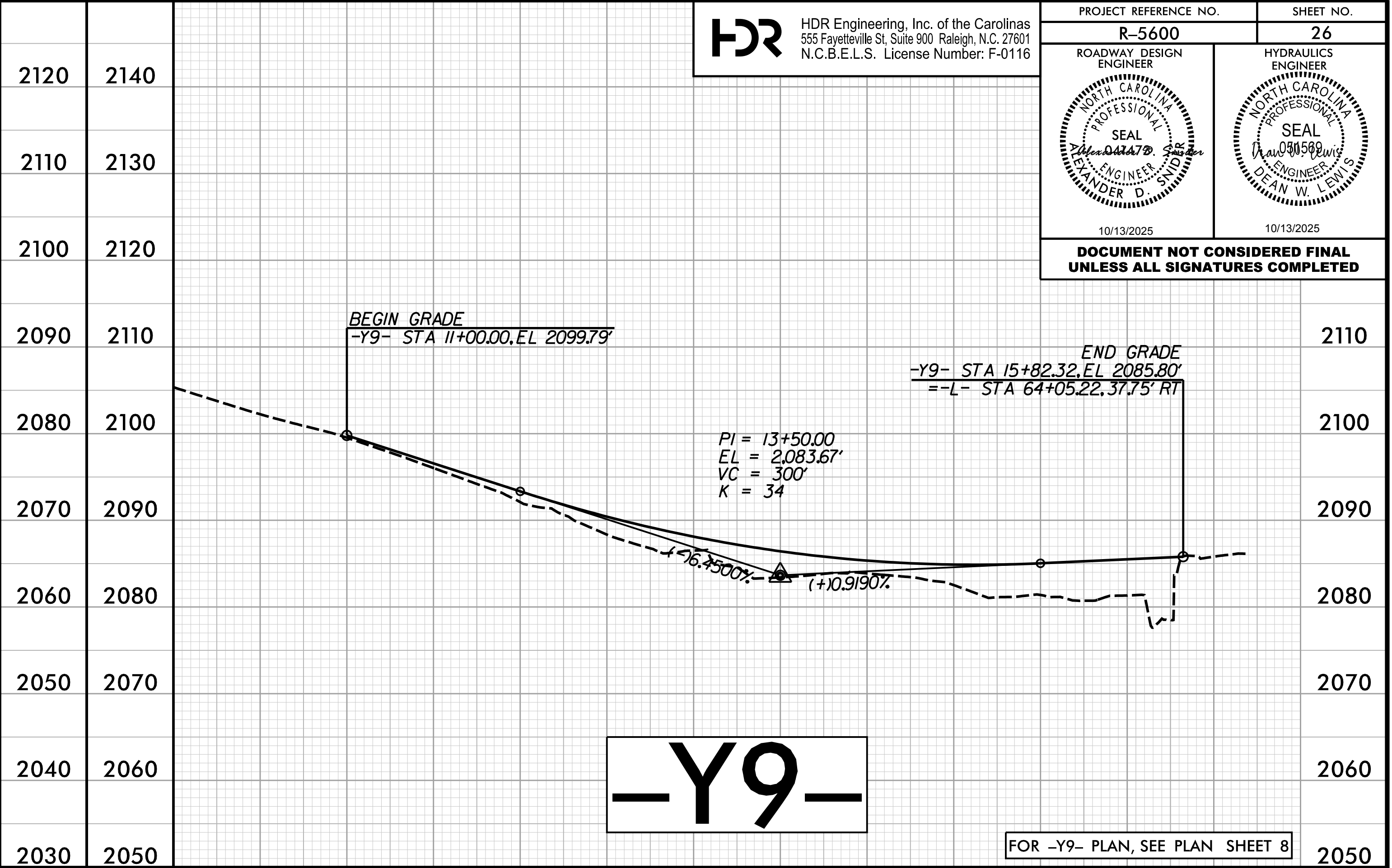
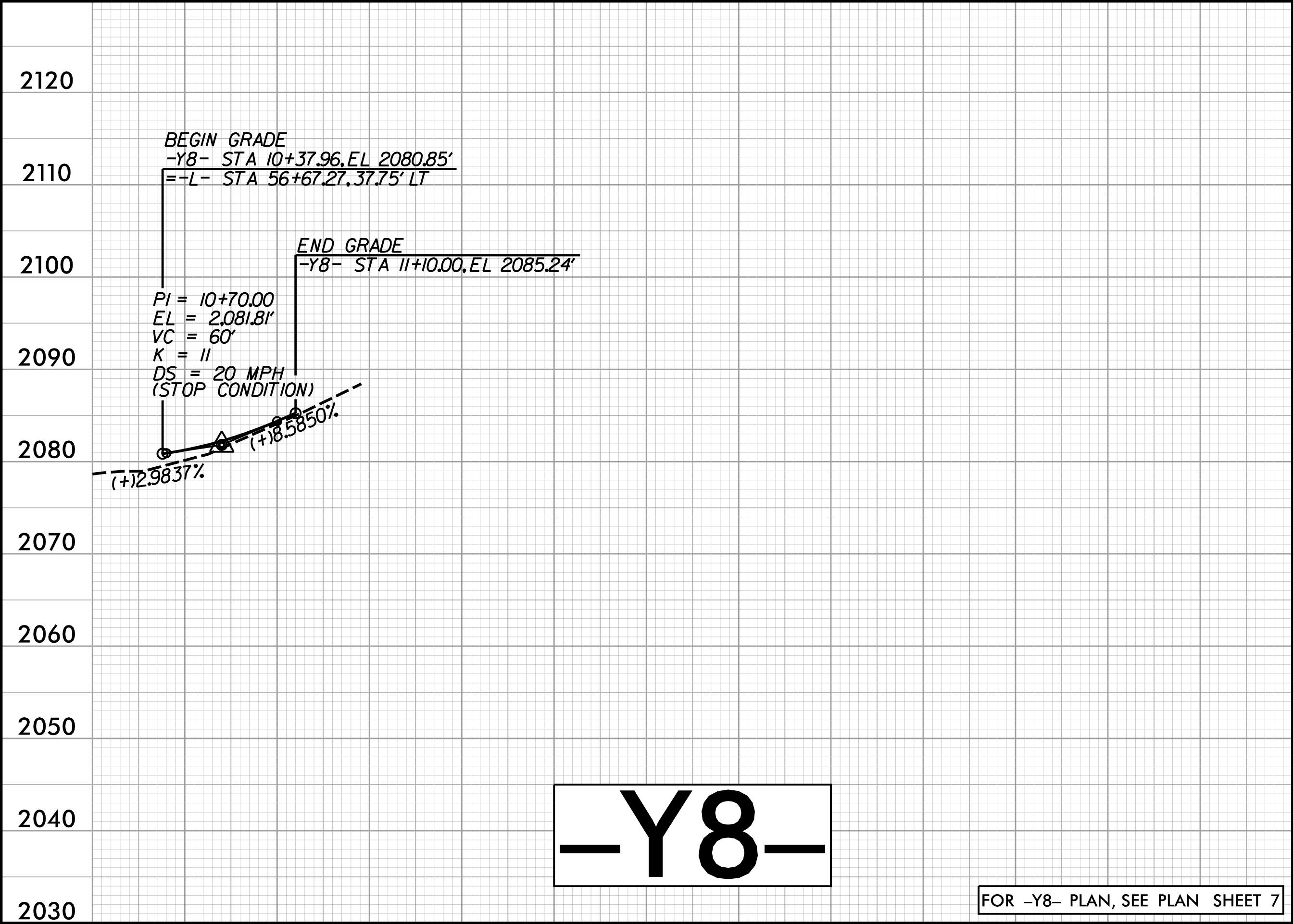
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N.C.B.E.L.S. License Number: F-0116

PROJECT REFERENCE NO.		SHEET NO.
R-5600		25
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER	
10/13/2025		10/13/2025
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED		



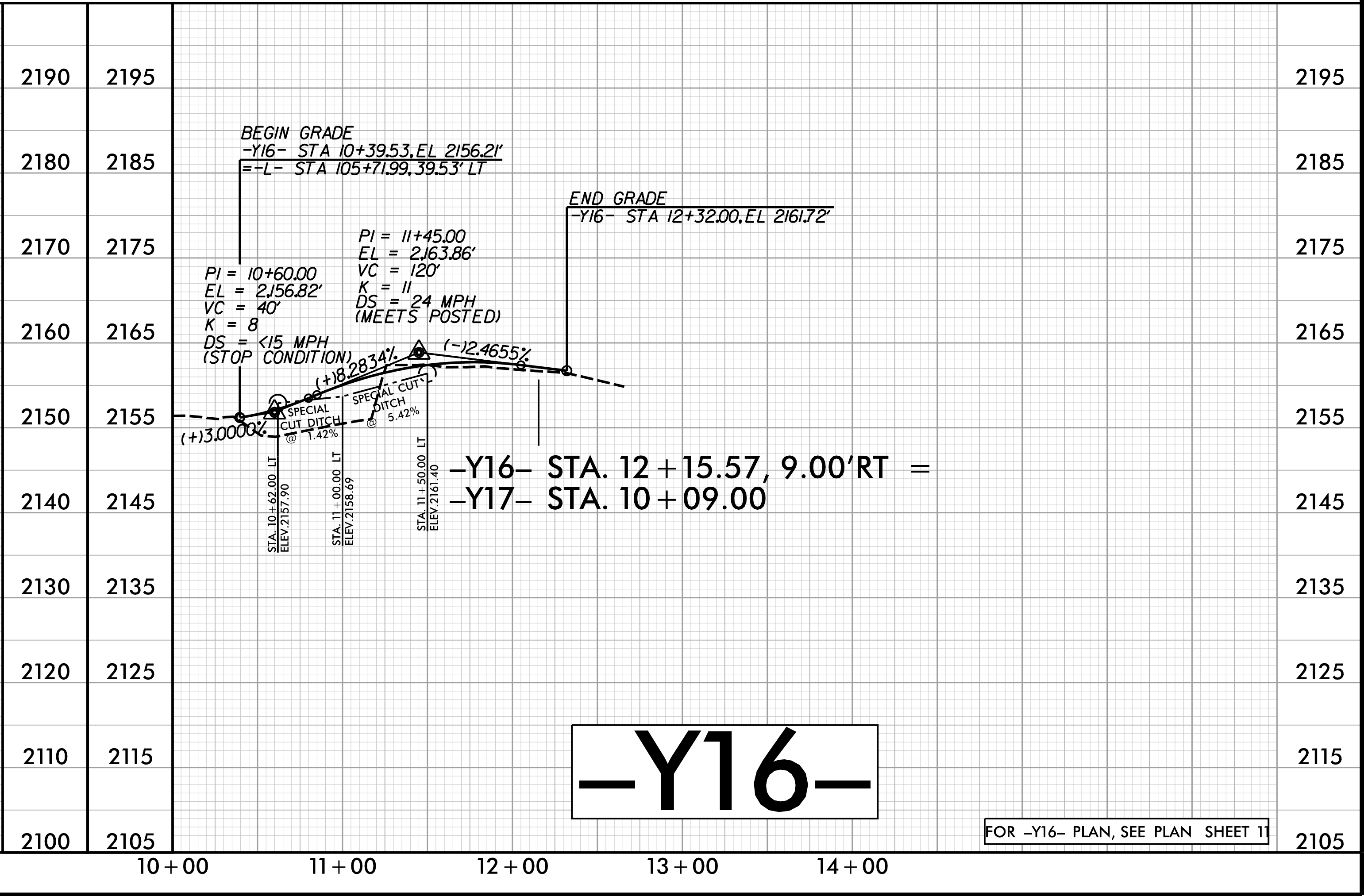
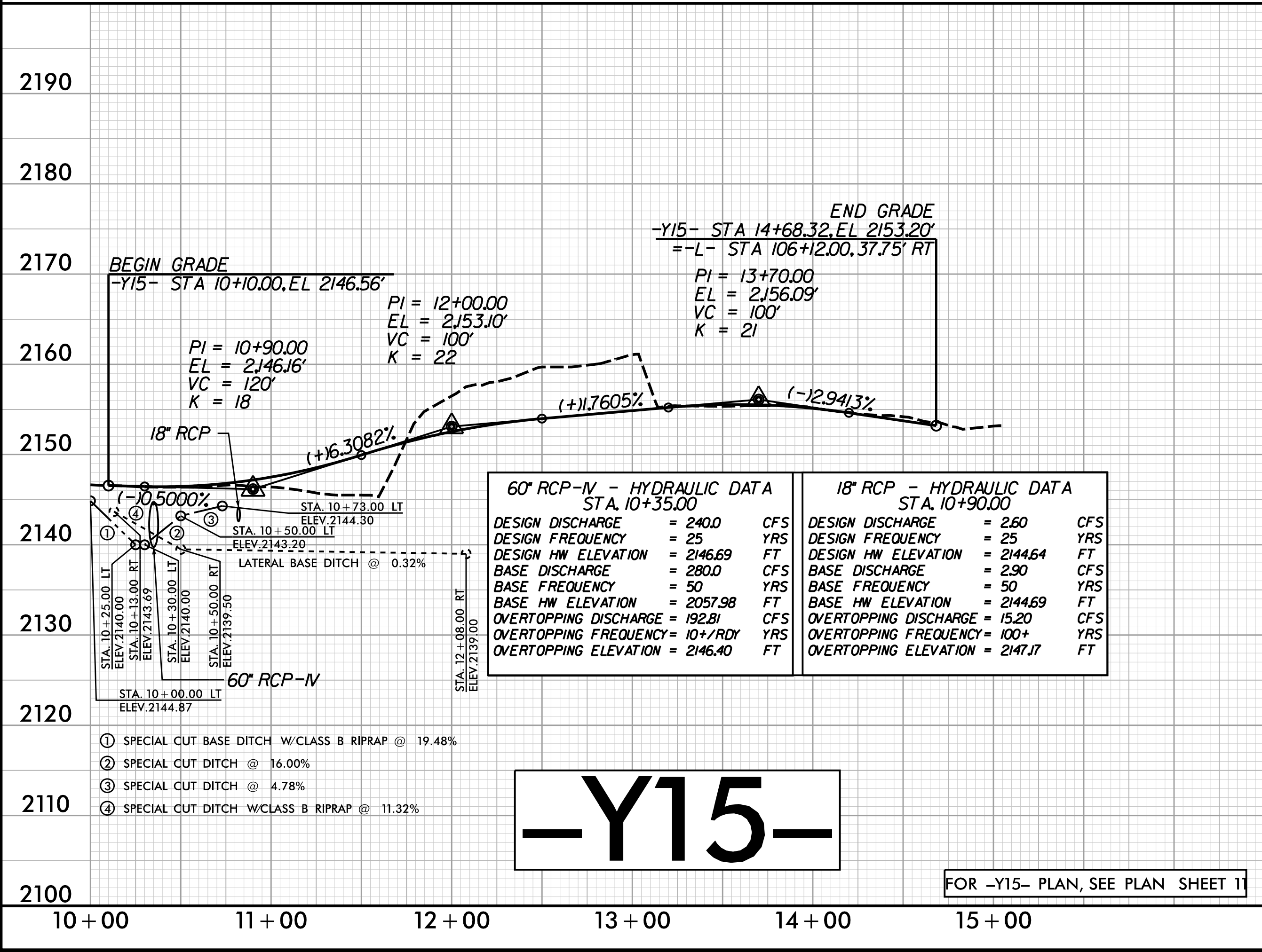
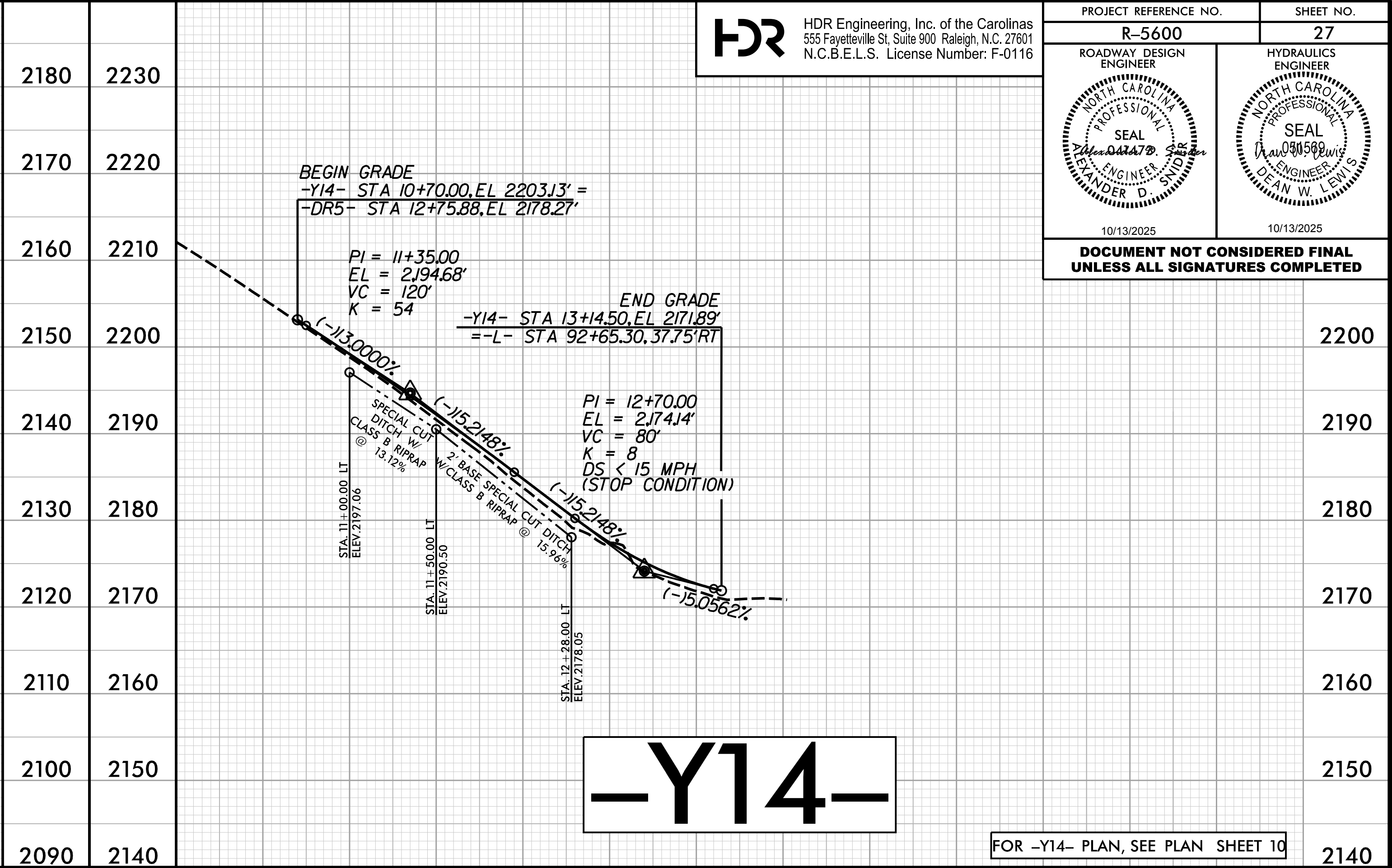
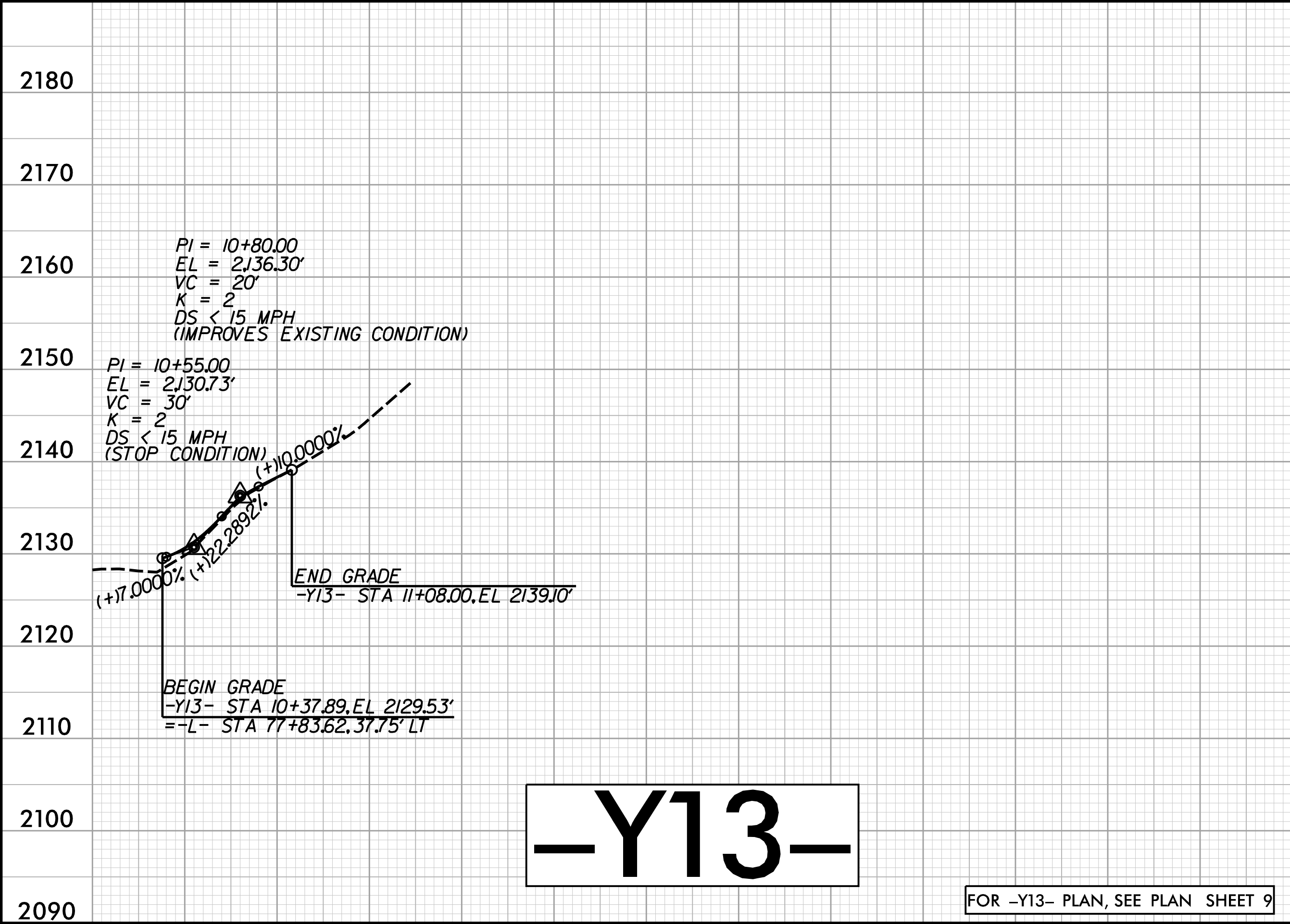
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USER: ASNIER
DATE: 6/30/2025
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FILE: \

5/28/99



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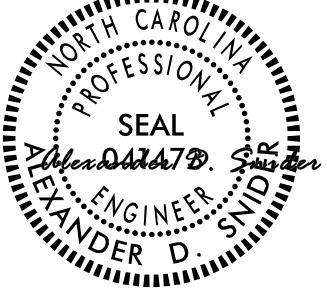
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R-5600

ROADWAY DESIGN ENGINEER

10/13/2025

SHEET NO.
27

HYDRAULICS ENGINEER

10/13/2025

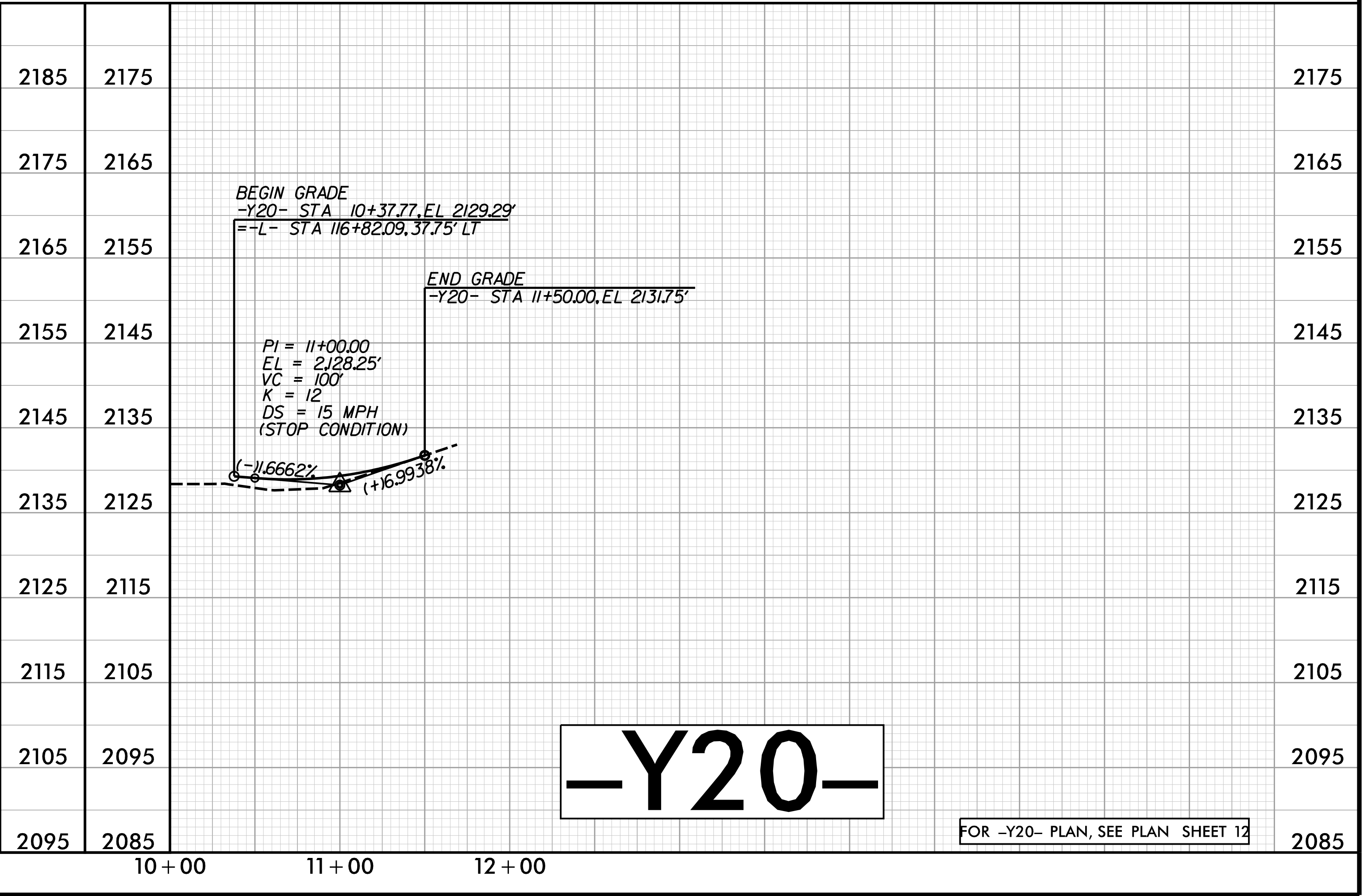
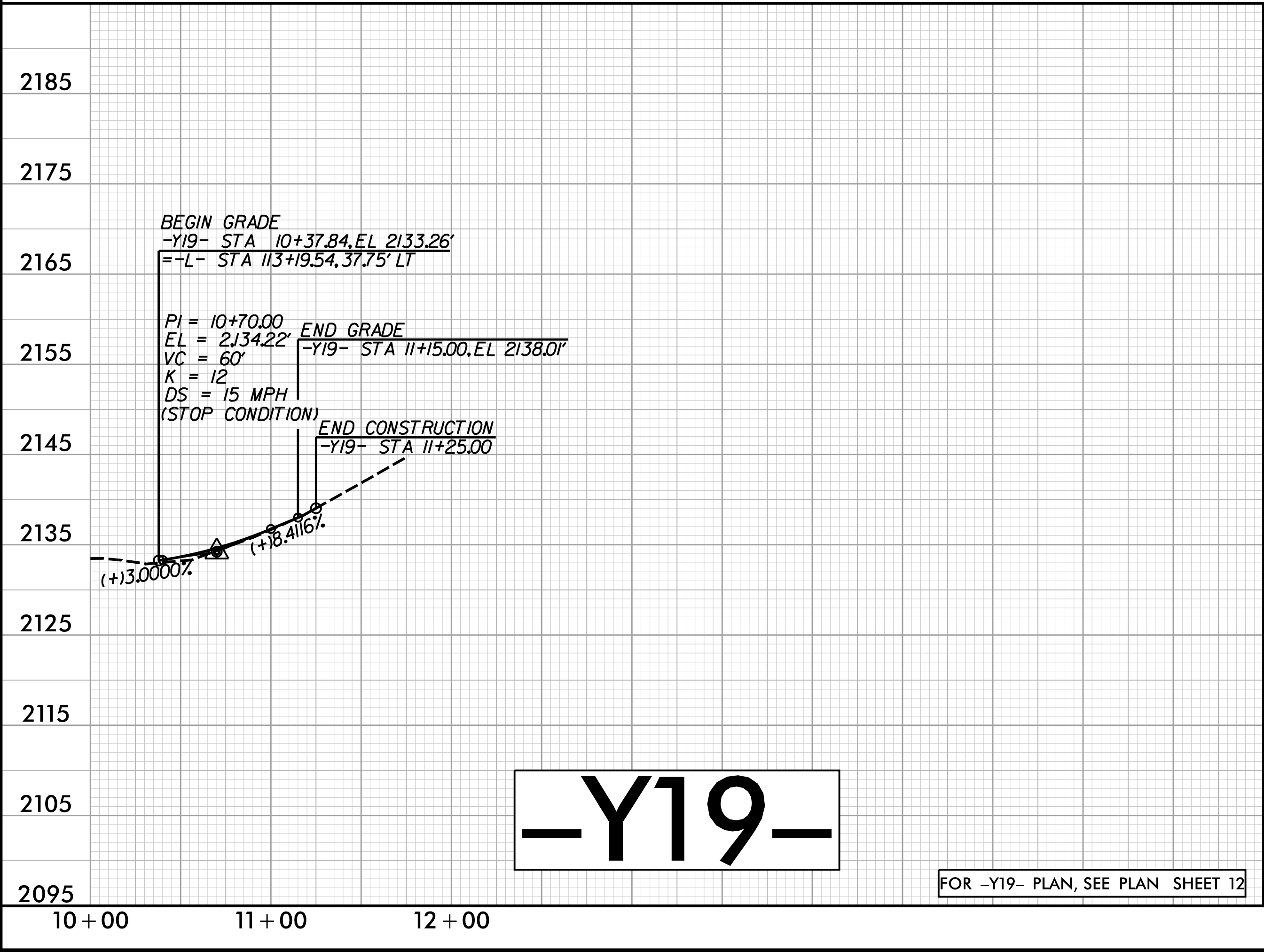
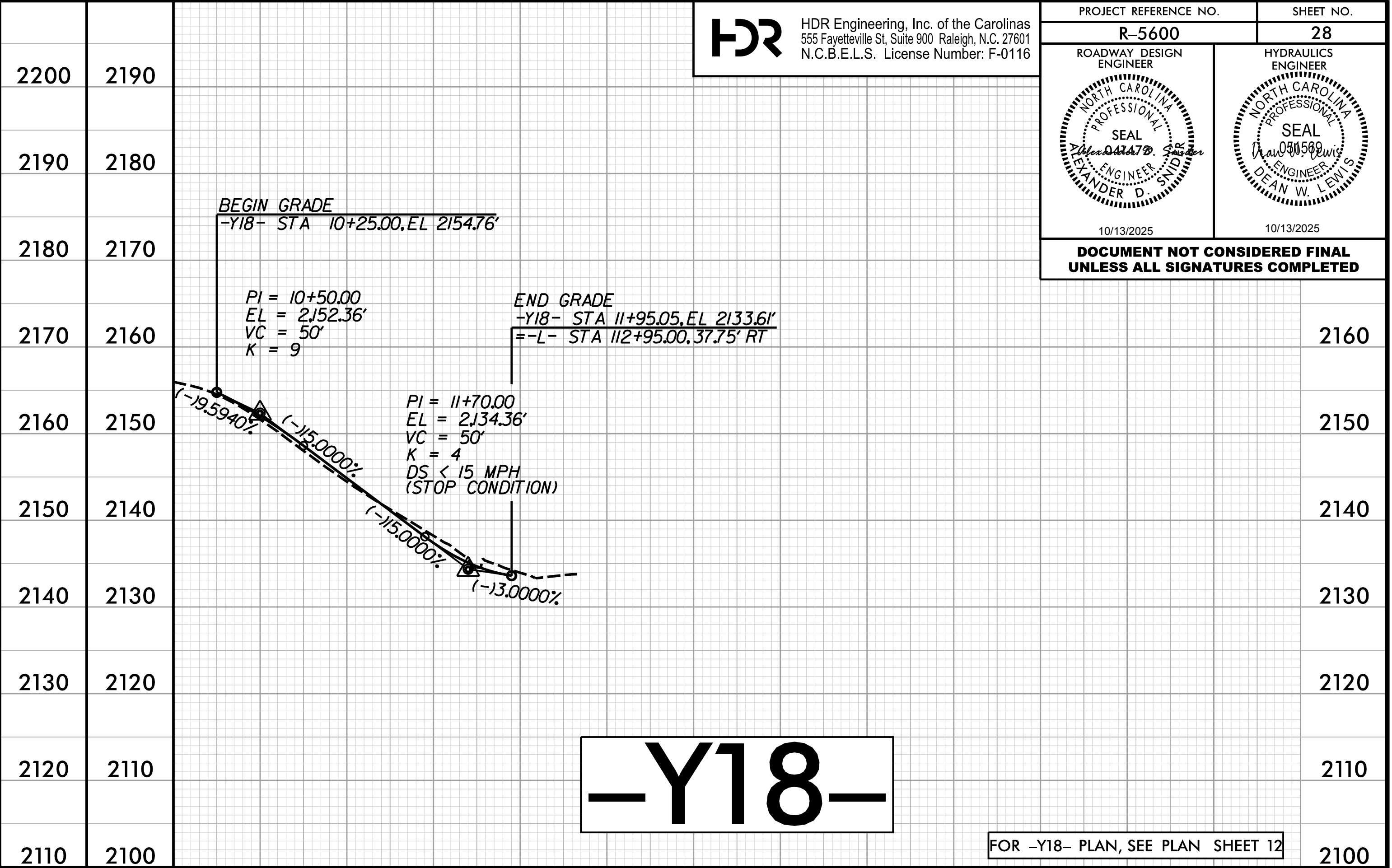
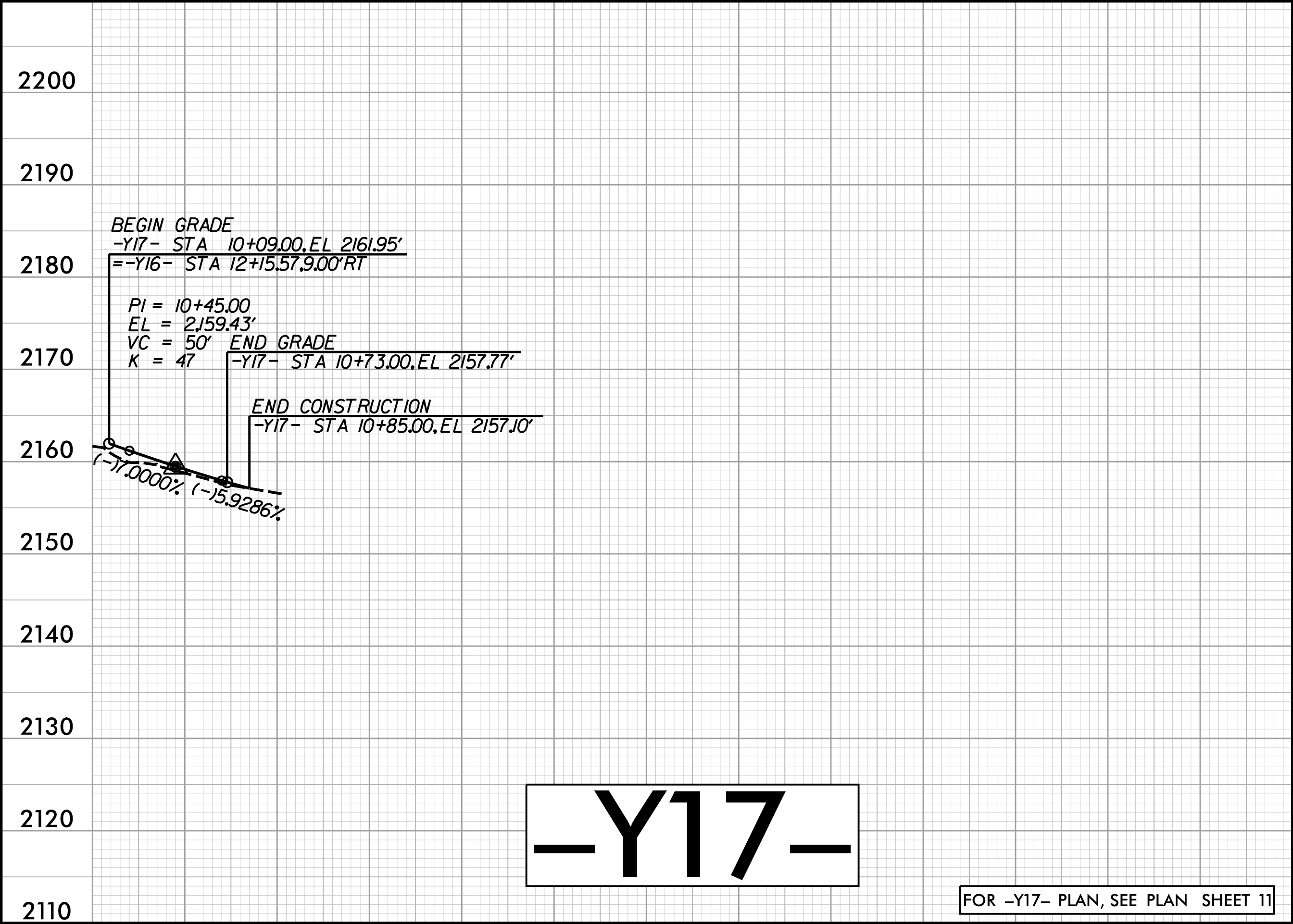
**DOCUMENT NOT CONSIDERED FINAL
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60" RCP-IV - HYDRAULIC DATA STA. 10+35.00				18" RCP - HYDRAULIC DATA STA. 10+90.00			
DESIGN DISCHARGE	= 240.0	CFS		DESIGN DISCHARGE	= 260	CFS	
DESIGN FREQUENCY	= 25	YRS		DESIGN FREQUENCY	= 25	YRS	
DESIGN HW ELEVATION	= 2146.69	FT		DESIGN HW ELEVATION	= 2144.64	FT	
BASE DISCHARGE	= 280.0	CFS		BASE DISCHARGE	= 290	CFS	
BASE FREQUENCY	= 50	YRS		BASE FREQUENCY	= 50	YRS	
BASE HW ELEVATION	= 2057.98	FT		BASE HW ELEVATION	= 2144.69	FT	
OVERTOPPING DISCHARGE	= 192.81	CFS		OVERTOPPING DISCHARGE	= 15.20	CFS	
OVERTOPPING FREQUENCY	= 10+/RDY	YRS		OVERTOPPING FREQUENCY	= 100+	YRS	
OVERTOPPING ELEVATION	= 2146.40	FT		OVERTOPPING ELEVATION	= 2147.17	FT	

PLOT DRIVER: NC00T.pcf_color_eng_50.plt
USER: ASNIER
FILE: \

PENTABLE: R5600.pshp.fltd
DATE: 6/30/2025
TIME: 8:13:27 AM

5/28/99



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PROJECT REFERENCE NO. R-5600		SHEET NO. 28
ROADWAY DESIGN ENGINEER 	HYDRAULICS ENGINEER 	
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2160

2150

2140

2130

2120

2110

2100

2175

2165

2155

2145

2135

2125

2115

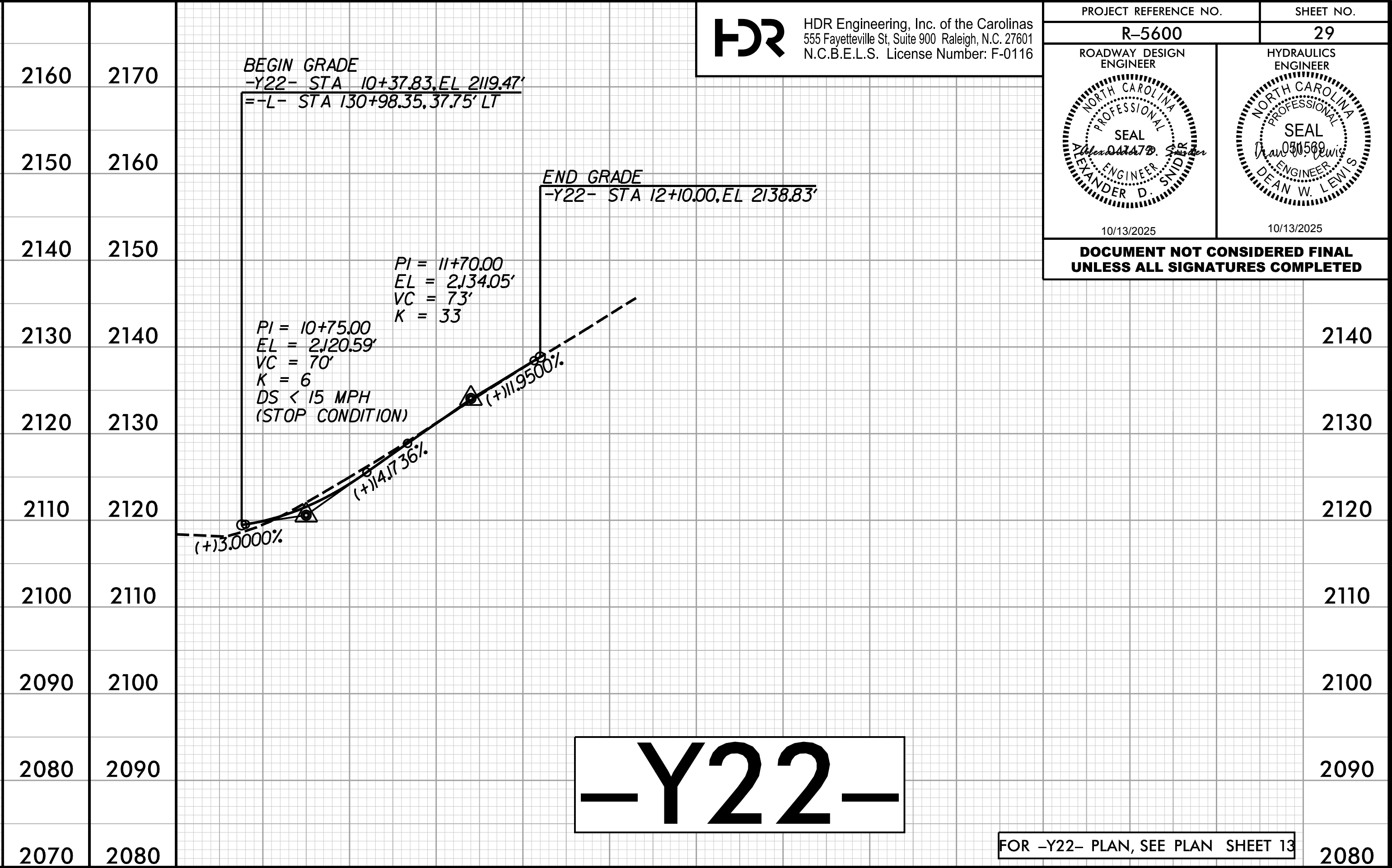
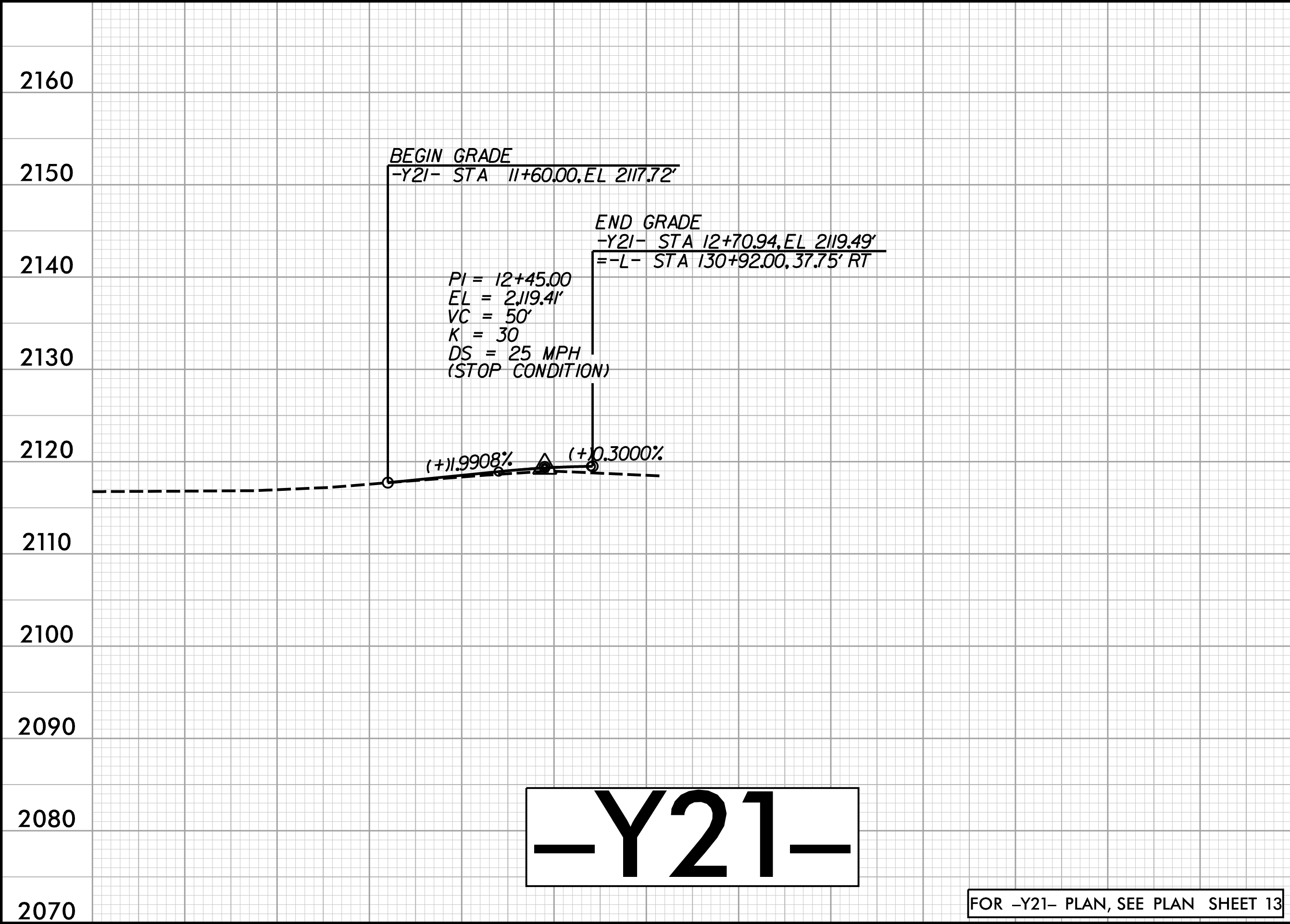
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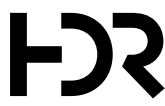
2095

2085

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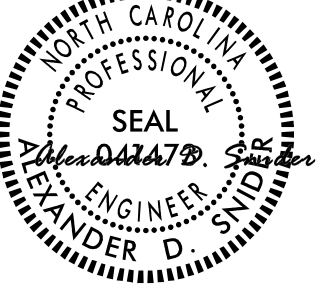
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PROJECT REFERENCE NO.
R-5600

ROADWAY DESIGN ENGINEER

SEAL
ALEXANDER D. SNYDER
10/13/2025

SHEET NO.
29

HYDRAULICS ENGINEER

SEAL
DEAN W. LEWIS
10/13/2025

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

-Y23-

FOR -Y23- PLAN, SEE PLAN SHEET 14

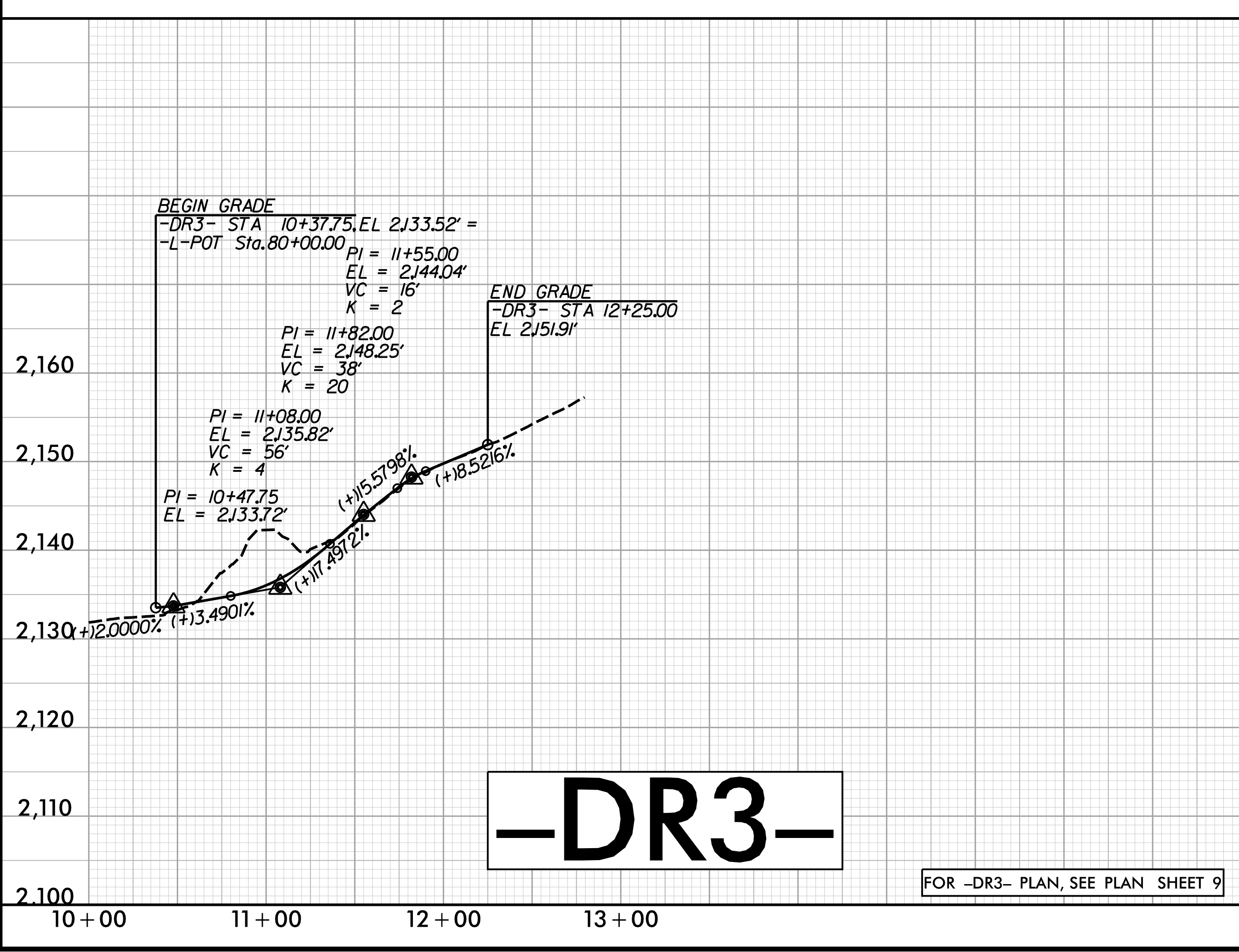
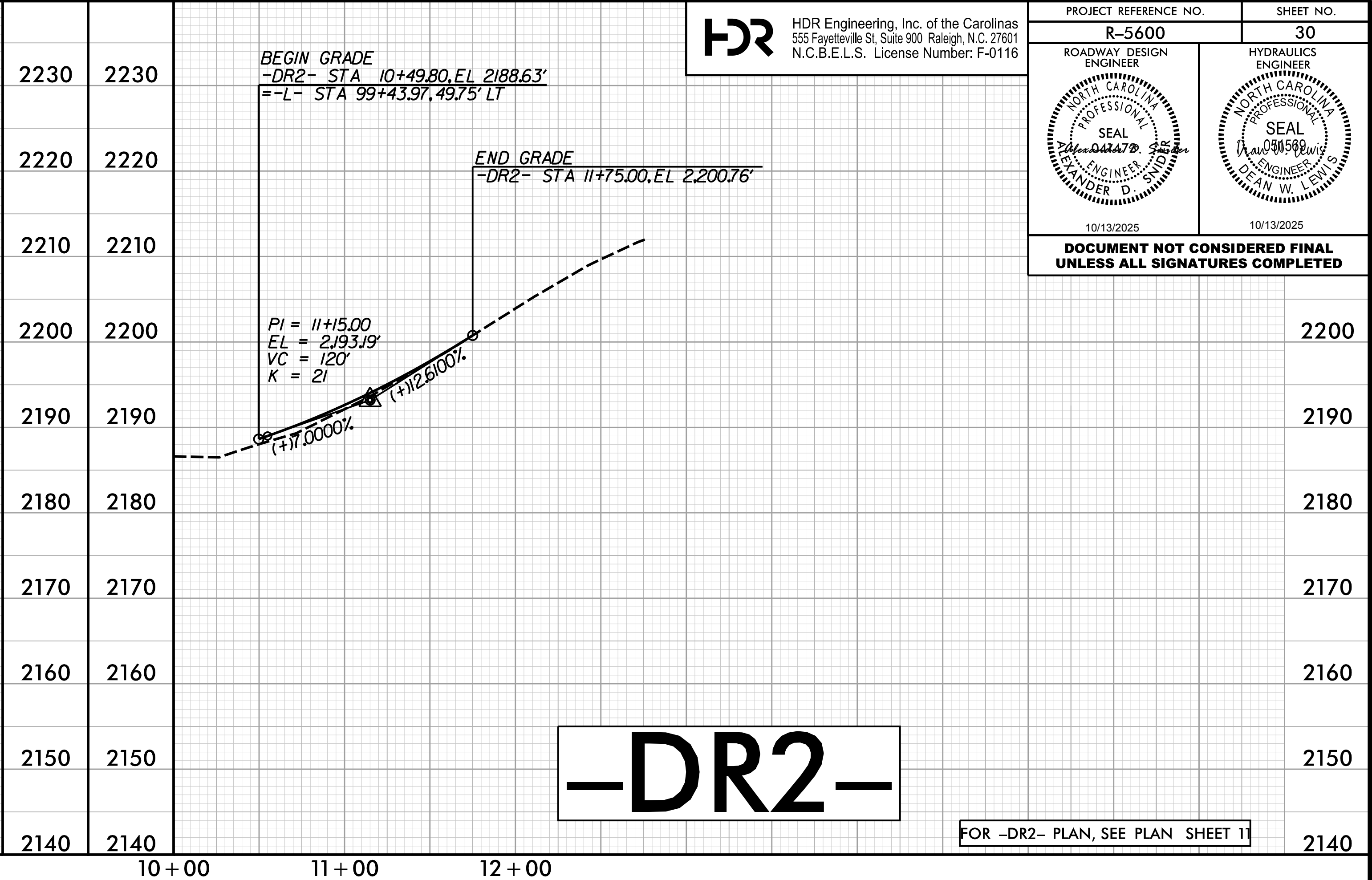
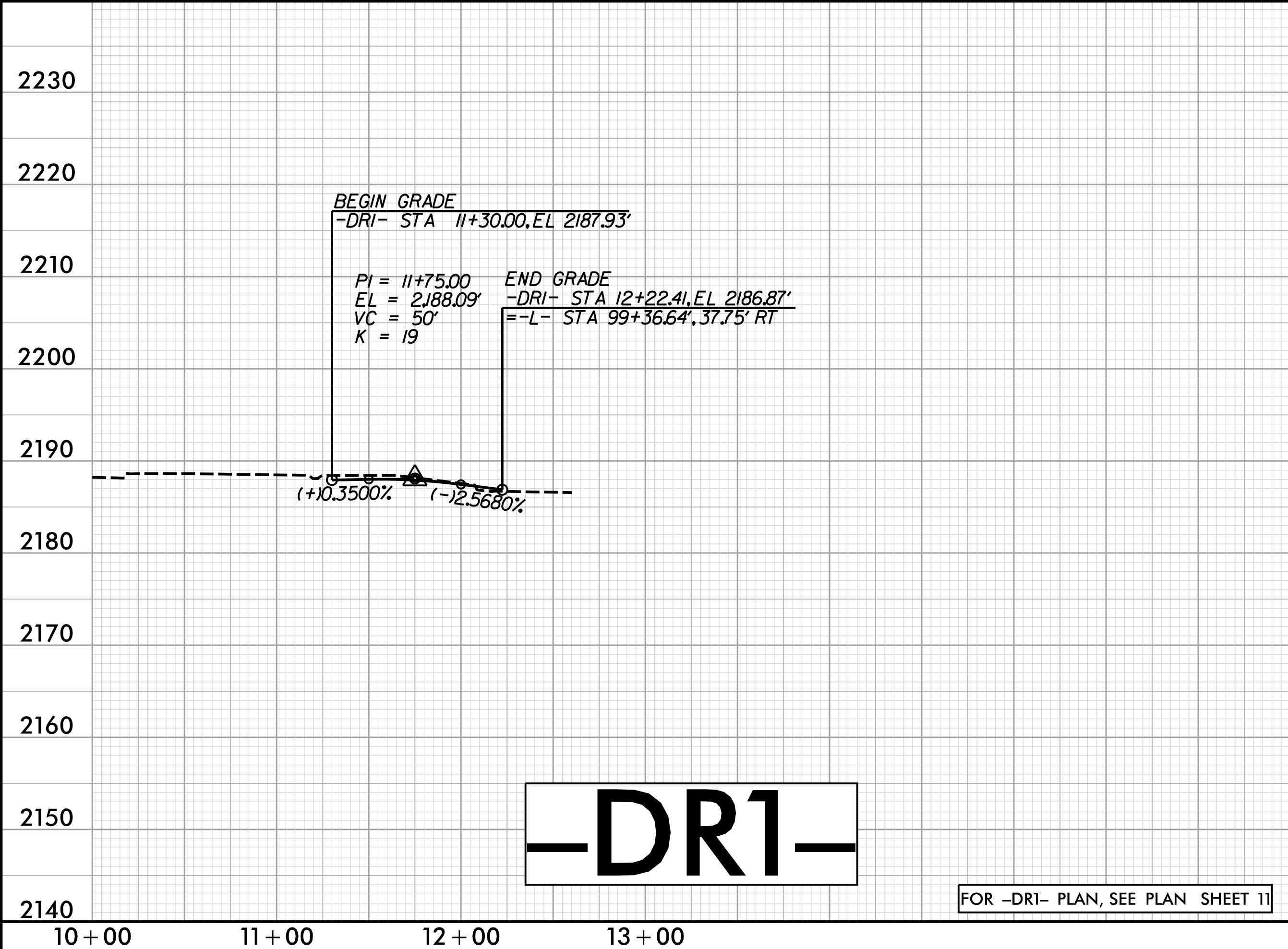
-Y24-

FOR -Y24- PLAN, SEE PLAN SHEET 14

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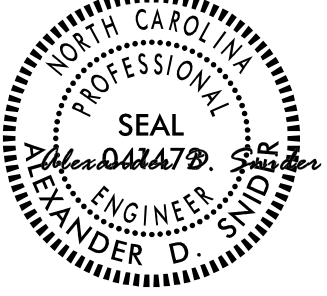
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PROJECT REFERENCE NO.
R-5600

ROADWAY DESIGN ENGINEER

ALEXANDER D. SNYDER
10/13/2025

SHEET NO.
30

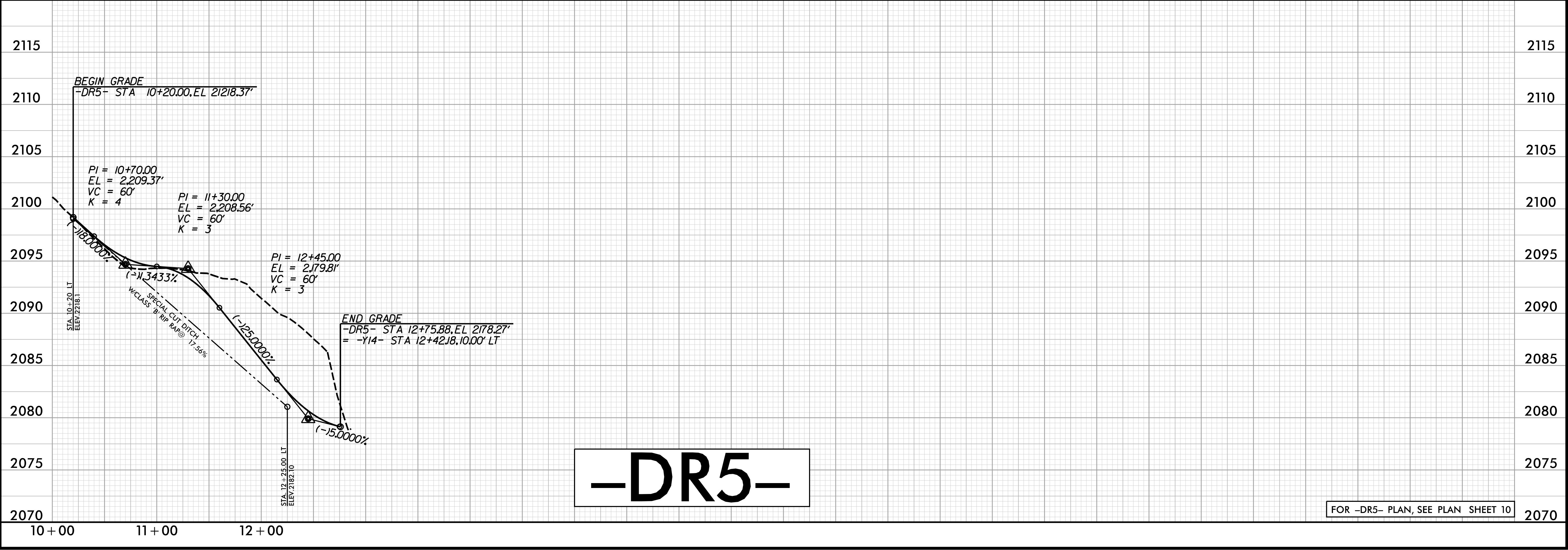
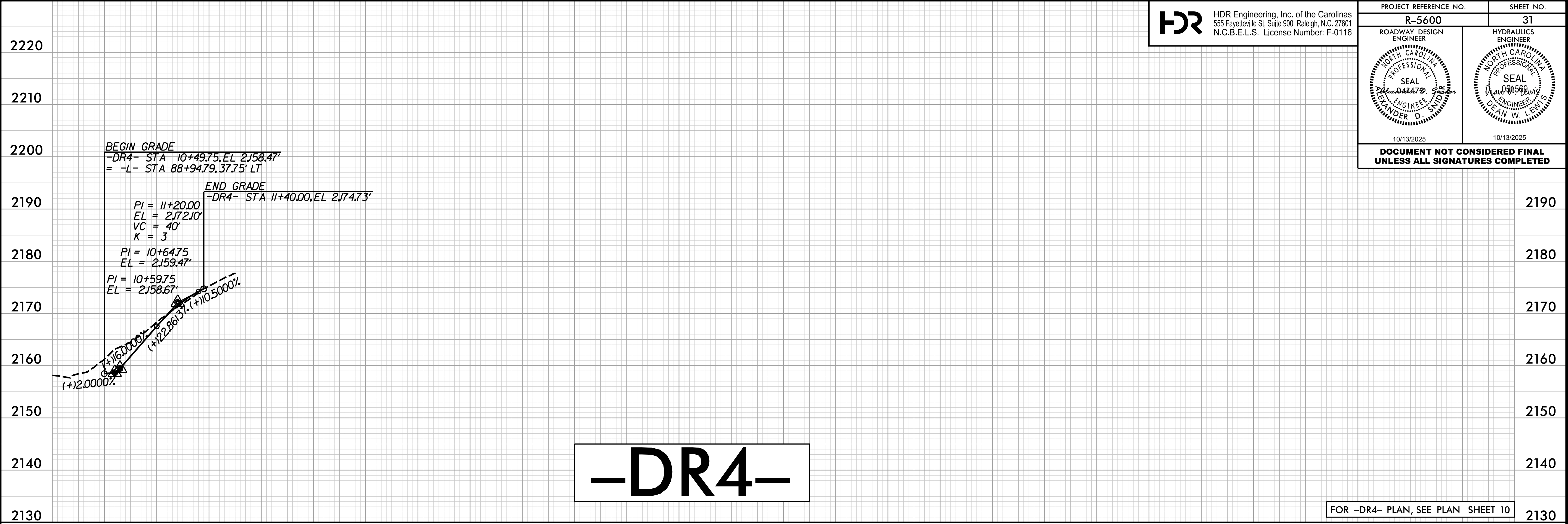
HYDRAULICS ENGINEER

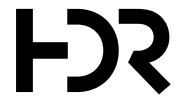
DEAN W. LEWIS
10/13/2025

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

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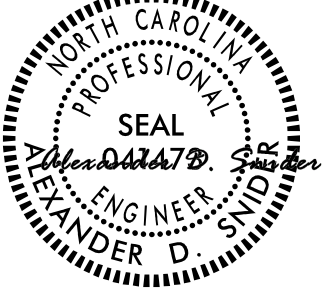
5/28/99





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

PROJECT REFERENCE NO.
R-5600

ROADWAY DESIGN ENGINEER

10/13/2025

SHEET NO.
31

HYDRAULICS ENGINEER

10/13/2025

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UNLESS ALL SIGNATURES COMPLETED**