

2025 ADT 2045 ADT (ADT IN 100's)	SMOKEY MOUNTAIN DR.			
	16	20	7	266
	329	8	10	304
NC 107				NC 107
	70	8	21	
	81			
		80	104	
	NC 116 WEBSTER RD.			

-L-
PI Sta 135+30.58
 $\Delta = 7^{\circ}44'41''$ (LT)
D = 2'51'53.2"
L = 270.34'
T = 135.38'
R = 2,000.00'
SE = 04
DS = 50 MPH

-Y22-
PI Sta 10+59.63
 $\Delta = 50^{\circ}49'58.0''$ (RT)
D = 71'37'11.0"
L = 70.98'
T = 38.01'
R = 80.00'
SE = SEE PLANS
DS = 20 MPH
(STOP CONDITION)

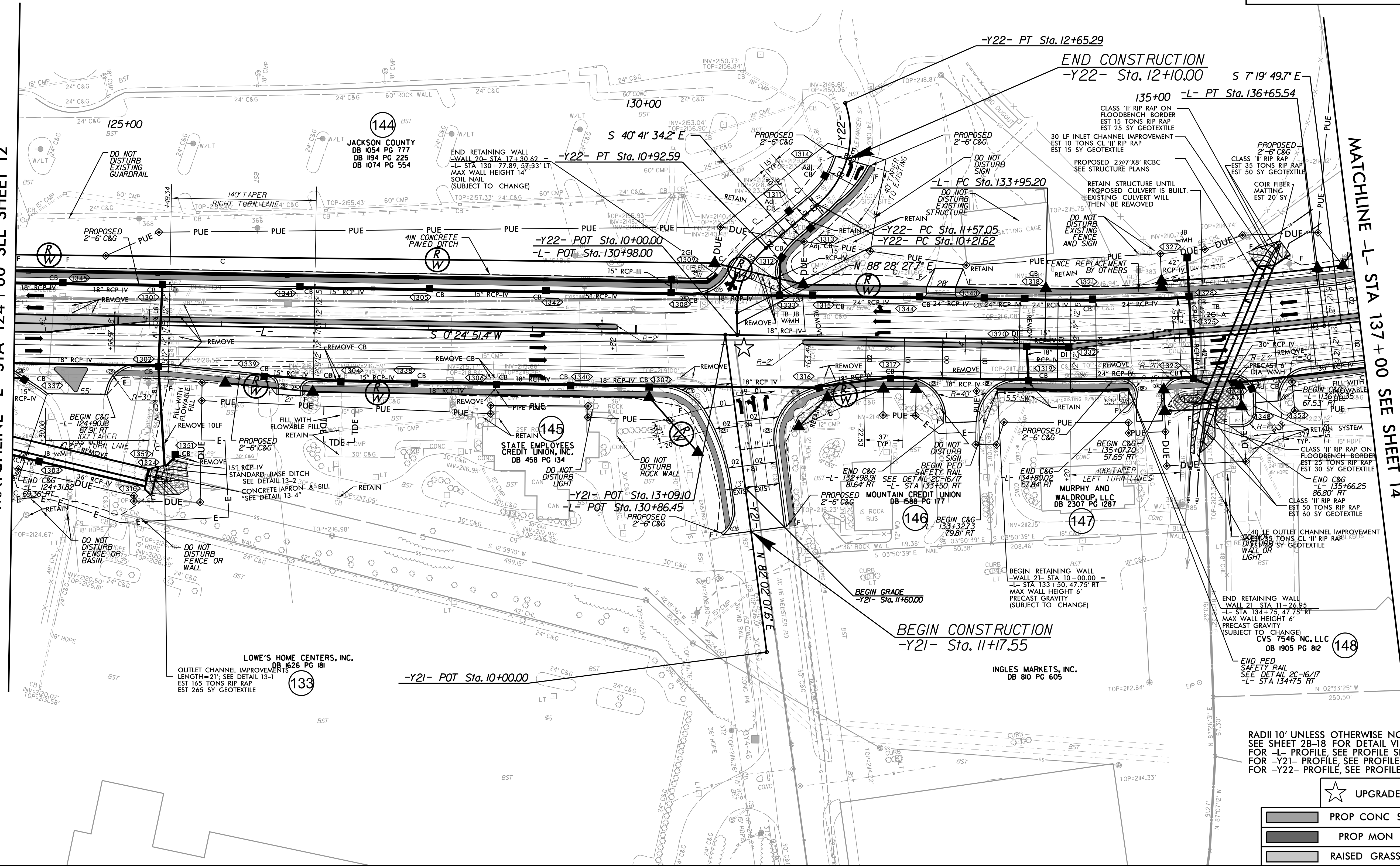
PI Sta 12+18.80
 $\Delta = 68^{\circ}54'23.9''$ (LT)
D = 63'39'43.1"
L = 108.24'
T = 61.75'
R = 90.00'
DS = 20 MPH
(STOP CONDITION)

NAD 83/NA 2011

PROJECT REFERENCE NO.	SHEET NO.
R-5600	13
RW SHEET NO.	RW-13
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	
HDR Engineering, Inc. of the Carolinas 555 Fayetteville St, Suite 900 Raleigh, N.C. 27601 N.C.B.E.L.S. License Number: F-01116	

MATCHLINE -L- STA 124+00 SEE SHEET 12

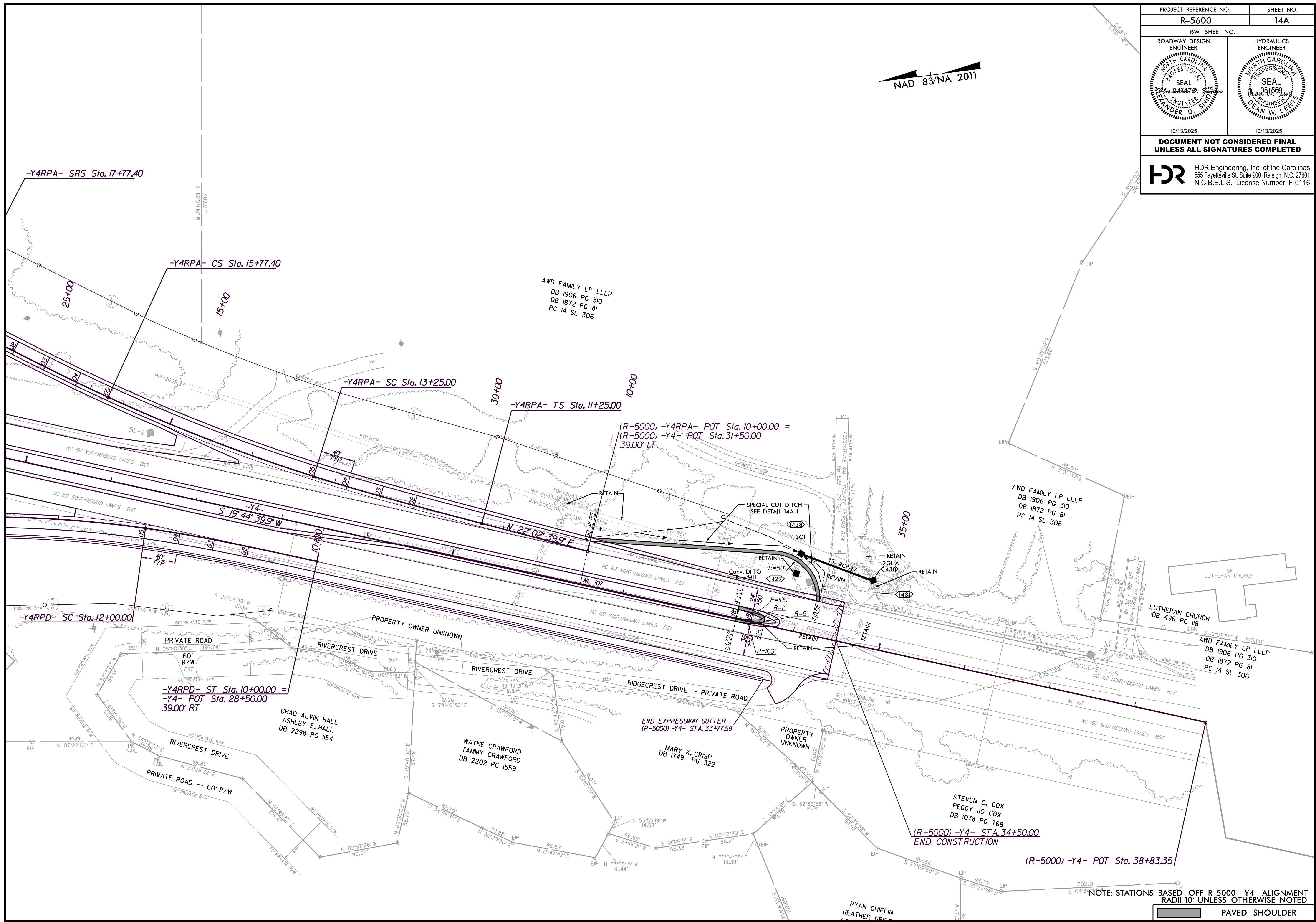
MATCHLINE -L- STA 137+00 SEE SHEET 14



RADI 10' UNLESS OTHERWISE NOTED
SEE SHEET 28-18 FOR DETAIL VIEW
FOR -L- PROFILE, SEE PROFILE SHEET 20
FOR -Y21- PROFILE, SEE PROFILE SHEET 29
FOR -Y22- PROFILE, SEE PROFILE SHEET 29

	UPGRADED SIGNAL
	PROP CONC SIDEWALK
	PROP MON ISLAND
	RAISED GRASS MEDIAN

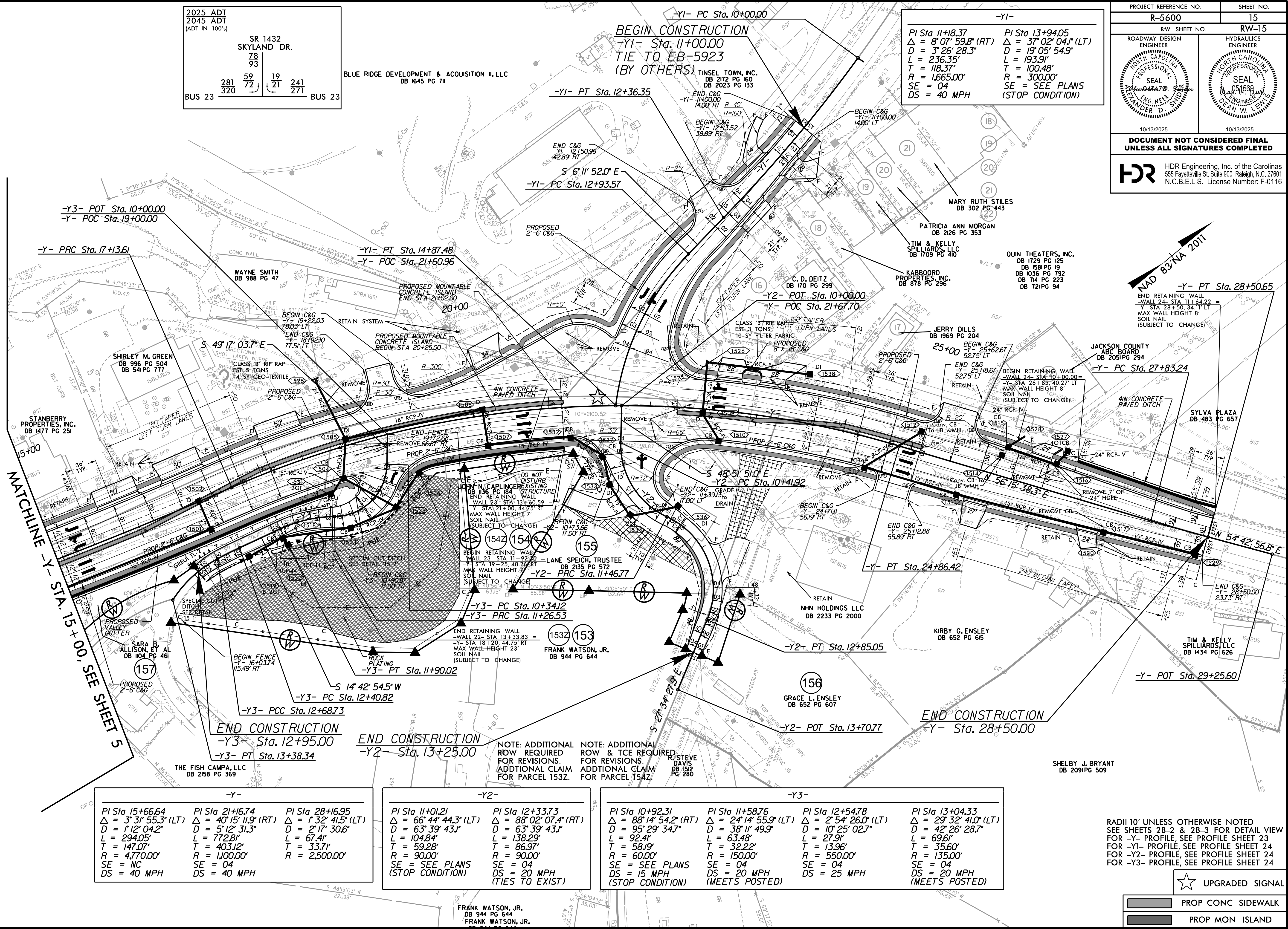
RADI10' UNLESS OTHERWISE NOTED SEE SHEETS 2B-19 & 2B-20 FOR DETAIL VIEW FOR -L- PROFILE, SEE PROFILE SHEET 21 FOR -L RT- PROFILE, SEE PROFILE SHEET 22 FOR -L LT- PROFILE, SEE PROFILE SHEET 22 FOR -Y23- PROFILE, SEE PROFILE SHEET 29 FOR -Y24- PROFILE, SEE PROFILE SHEET 29	
(7)	 UPGRADED SIGNAL
	 PROP CONC SIDEWALK
	 PROP MON ISLAND
	 RAISED GRASS MEDIAN
	 PAVEMENT REMOVAL

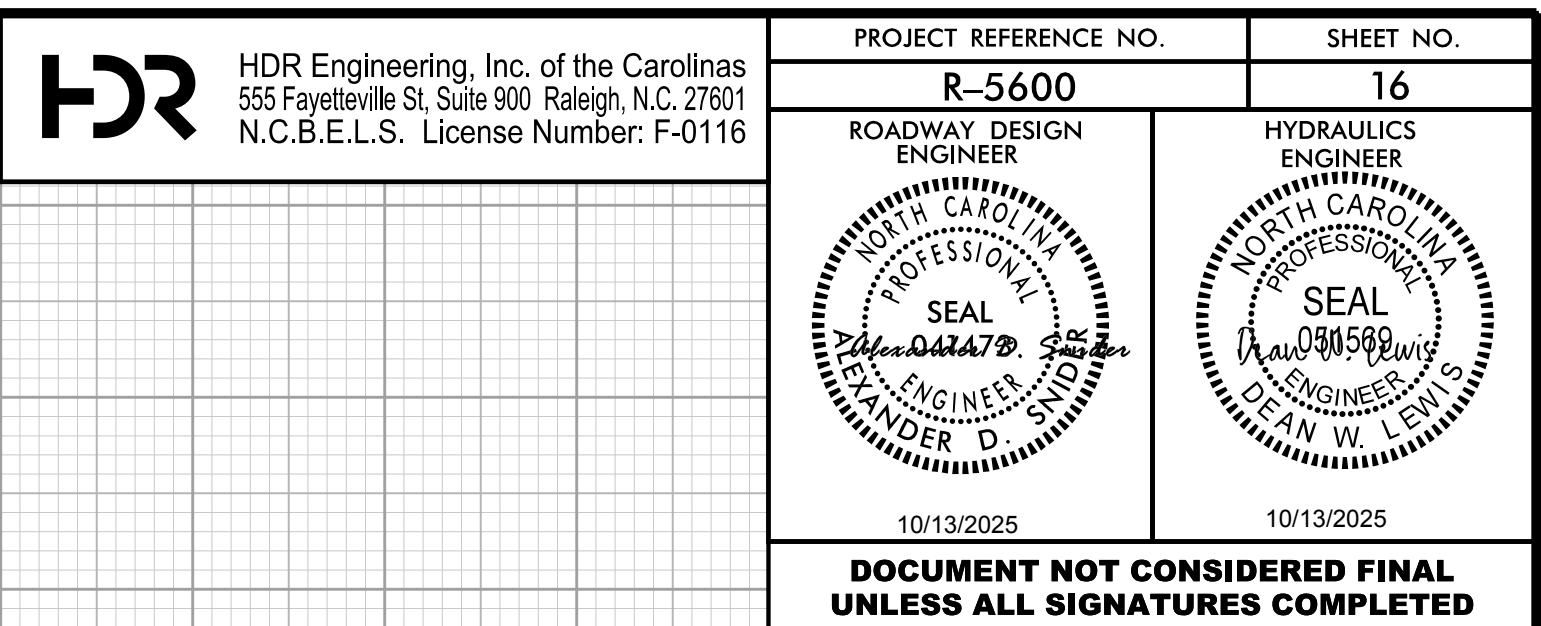


BLUE RIDGE DEVELOPMENT & ACQUISITION II, LLC
DB 1645 PG 711

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

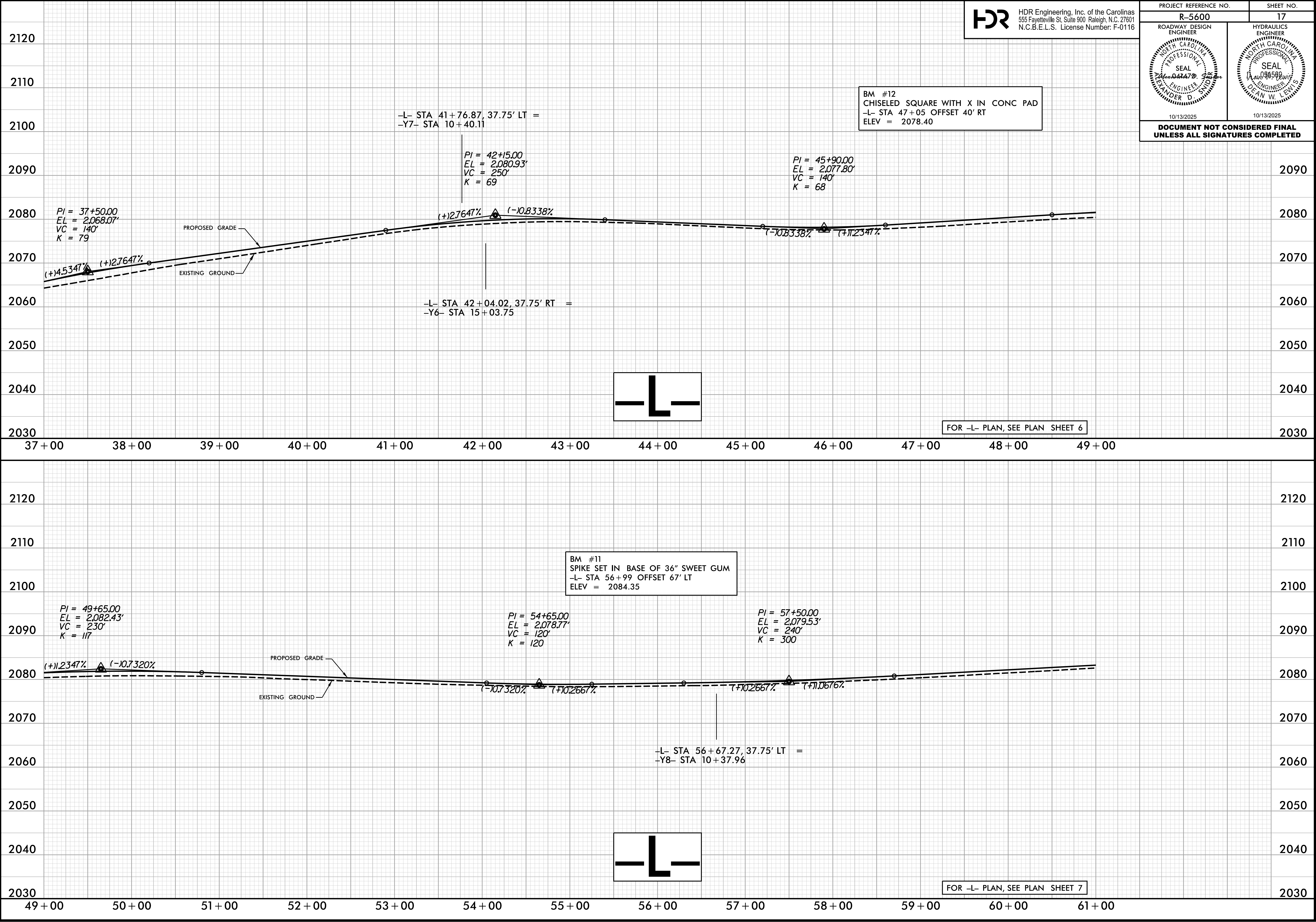
	UPGRADED SIGNAL
	PROP CONC SIDEWALK
	PROP MON ISLAND

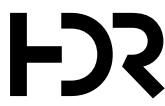




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DATE: 6/30/2025
TIME: 8:12:19 AM
FILE: \

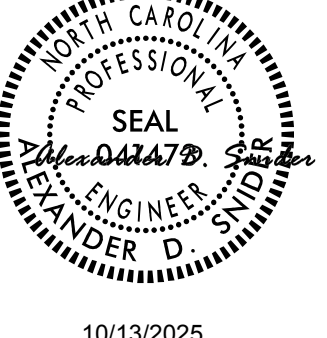
5/28/24



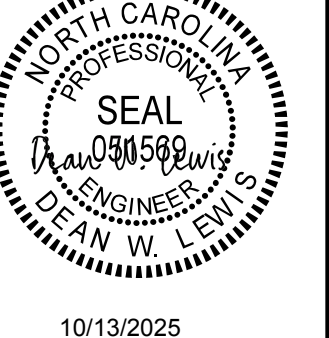


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PROJECT REFERENCE NO.
R-5600

ROADWAY DESIGN ENGINEER

10/13/2025

SHEET NO.
17

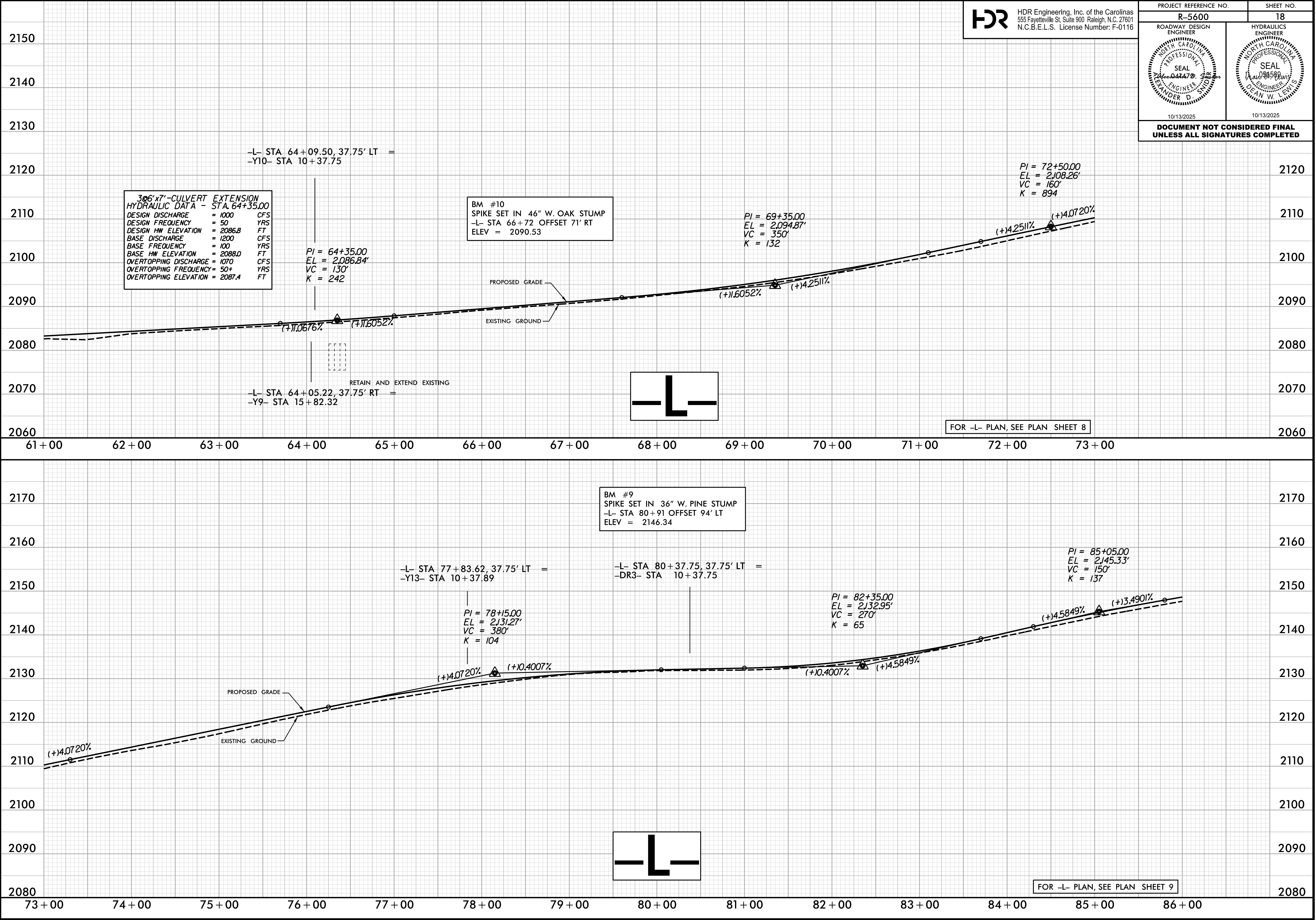
HYDRAULICS ENGINEER

10/13/2025

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UNLESS ALL SIGNATURES COMPLETED**

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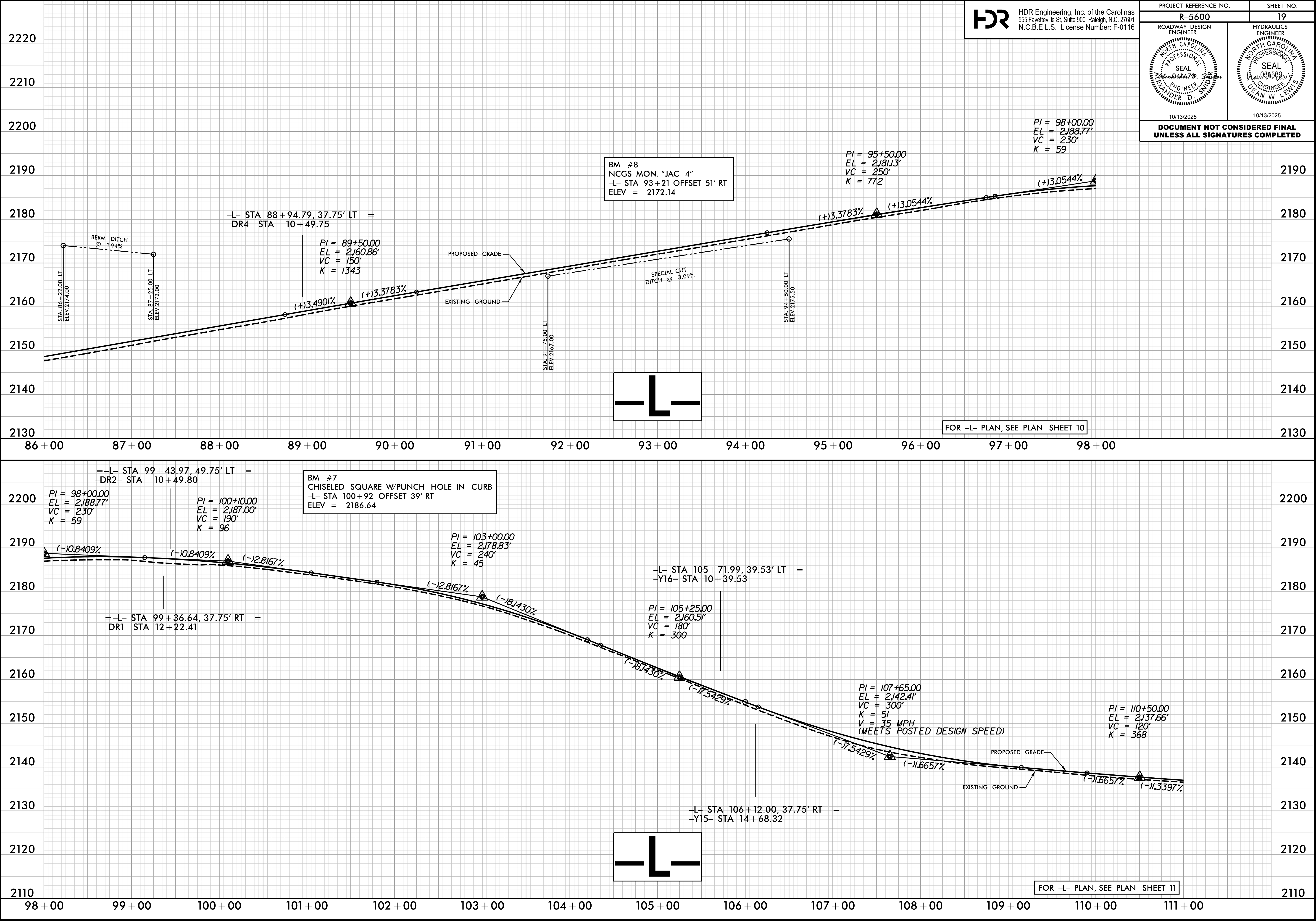
5/28/24



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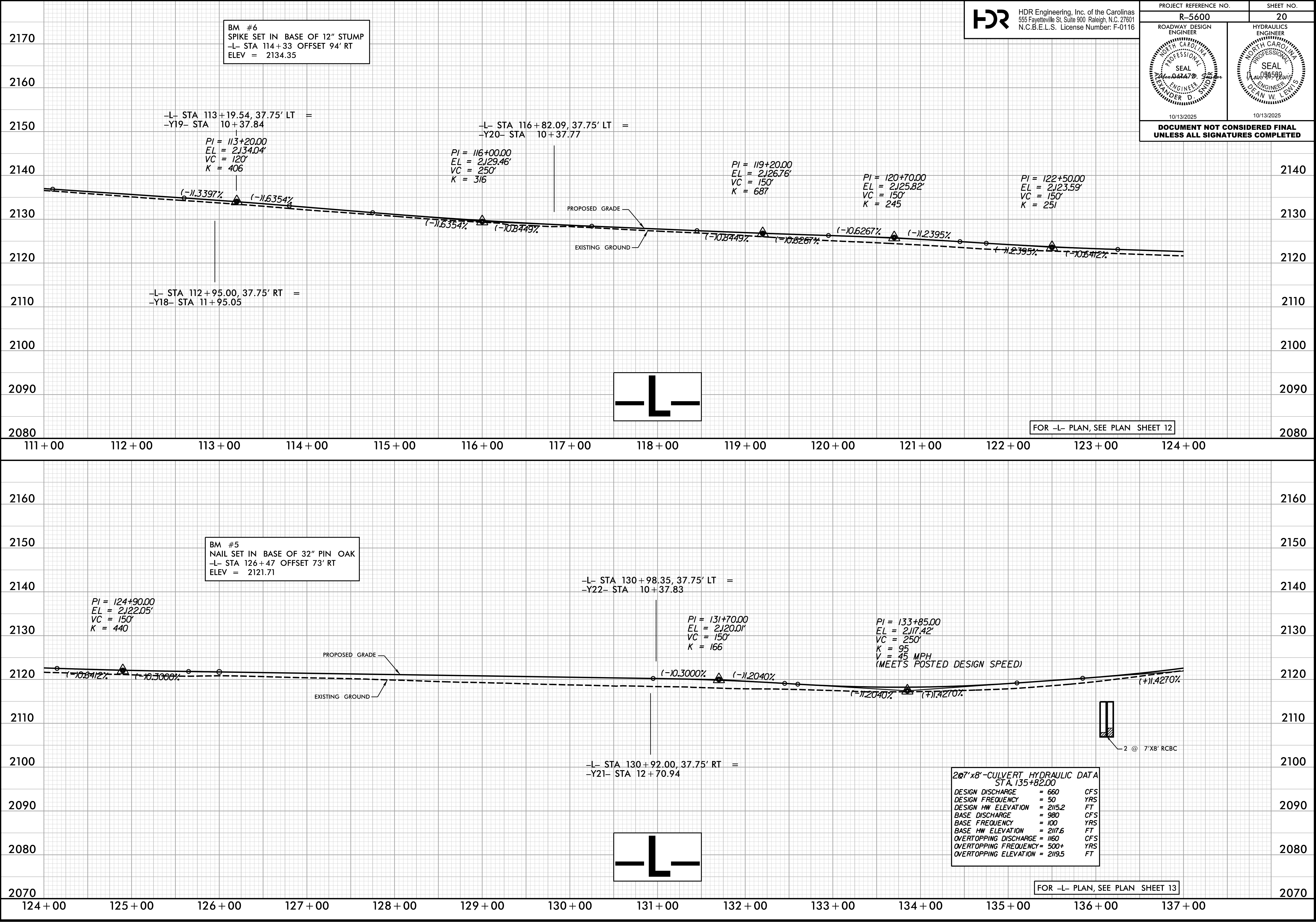
5/28/99



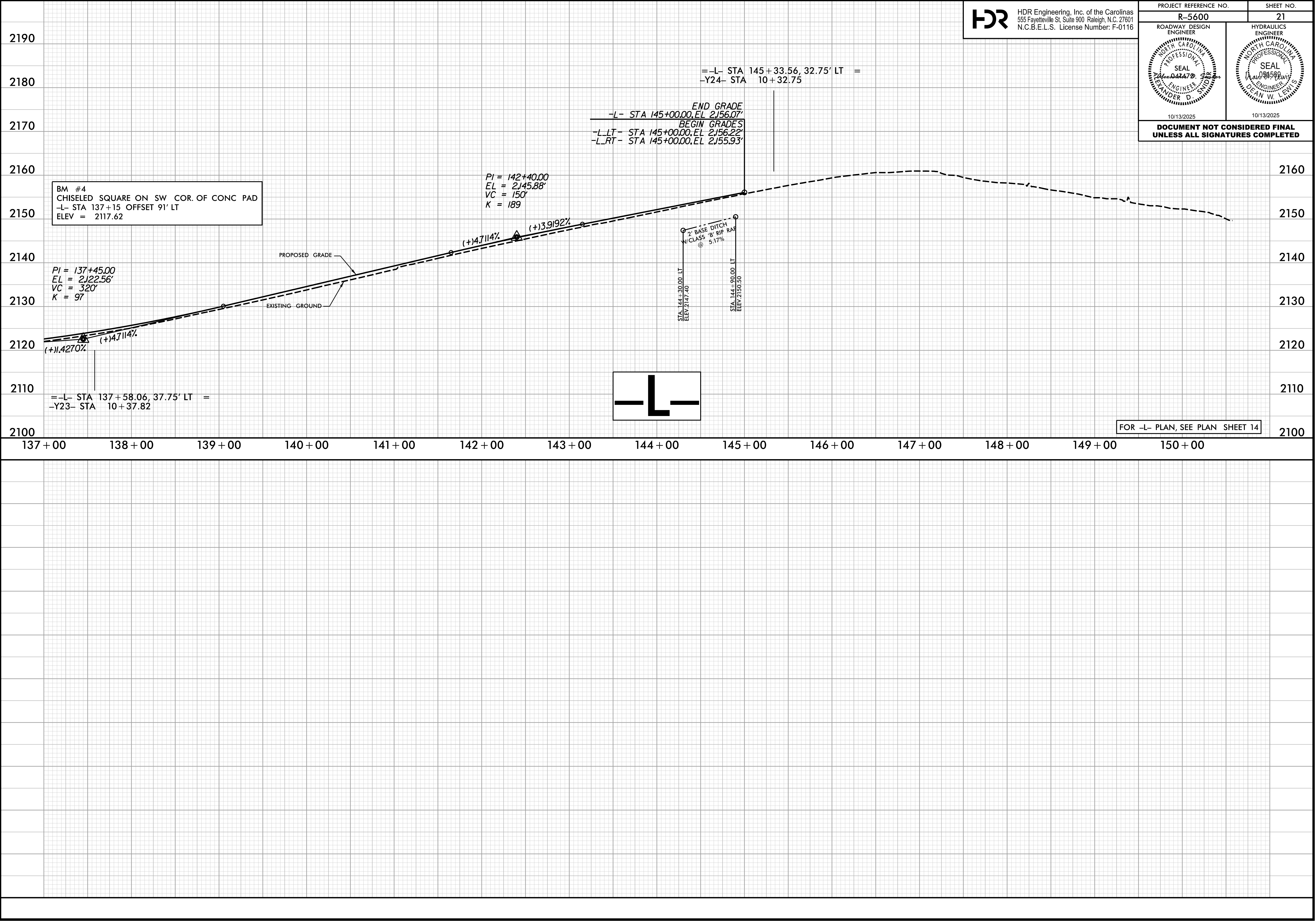
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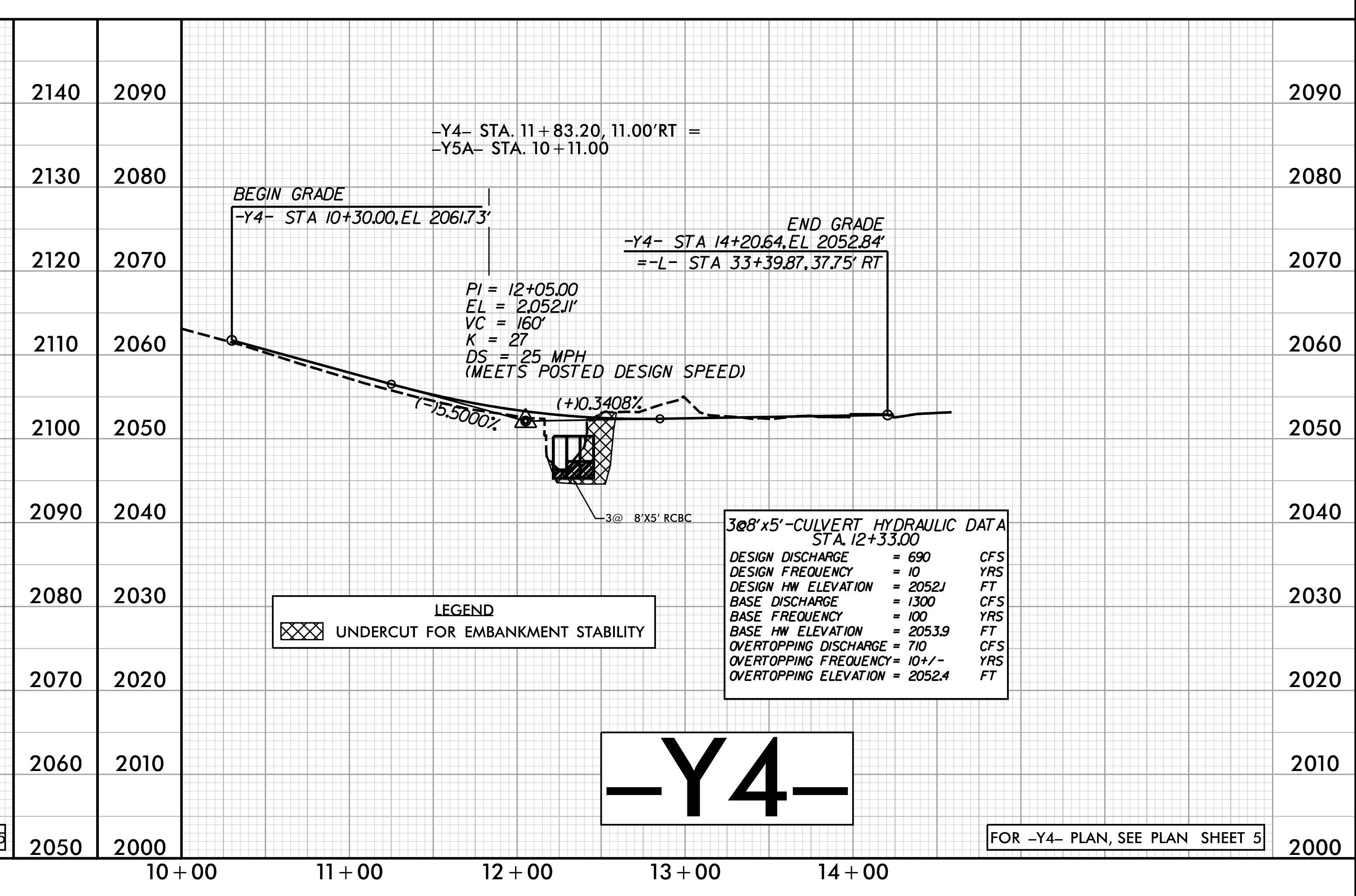
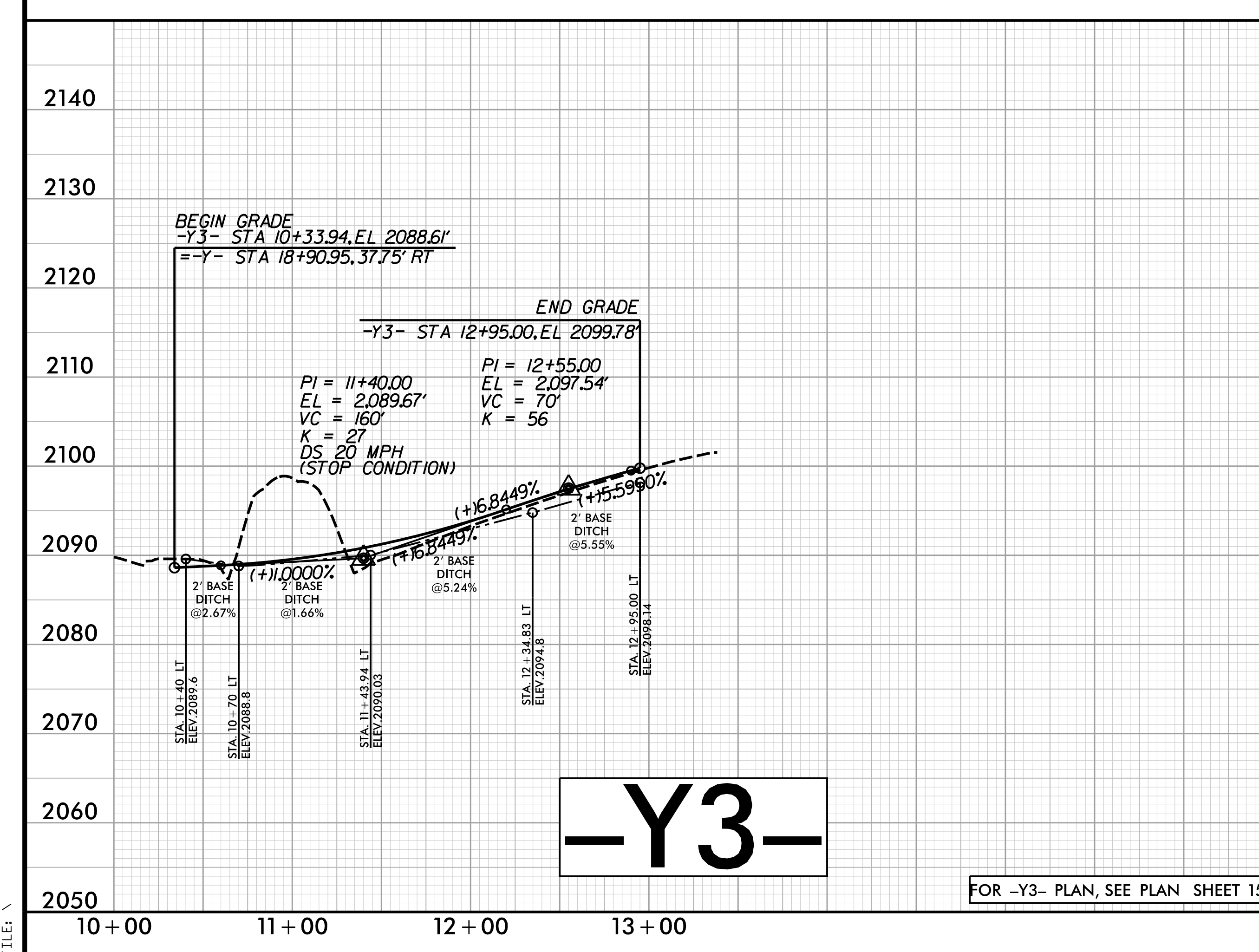
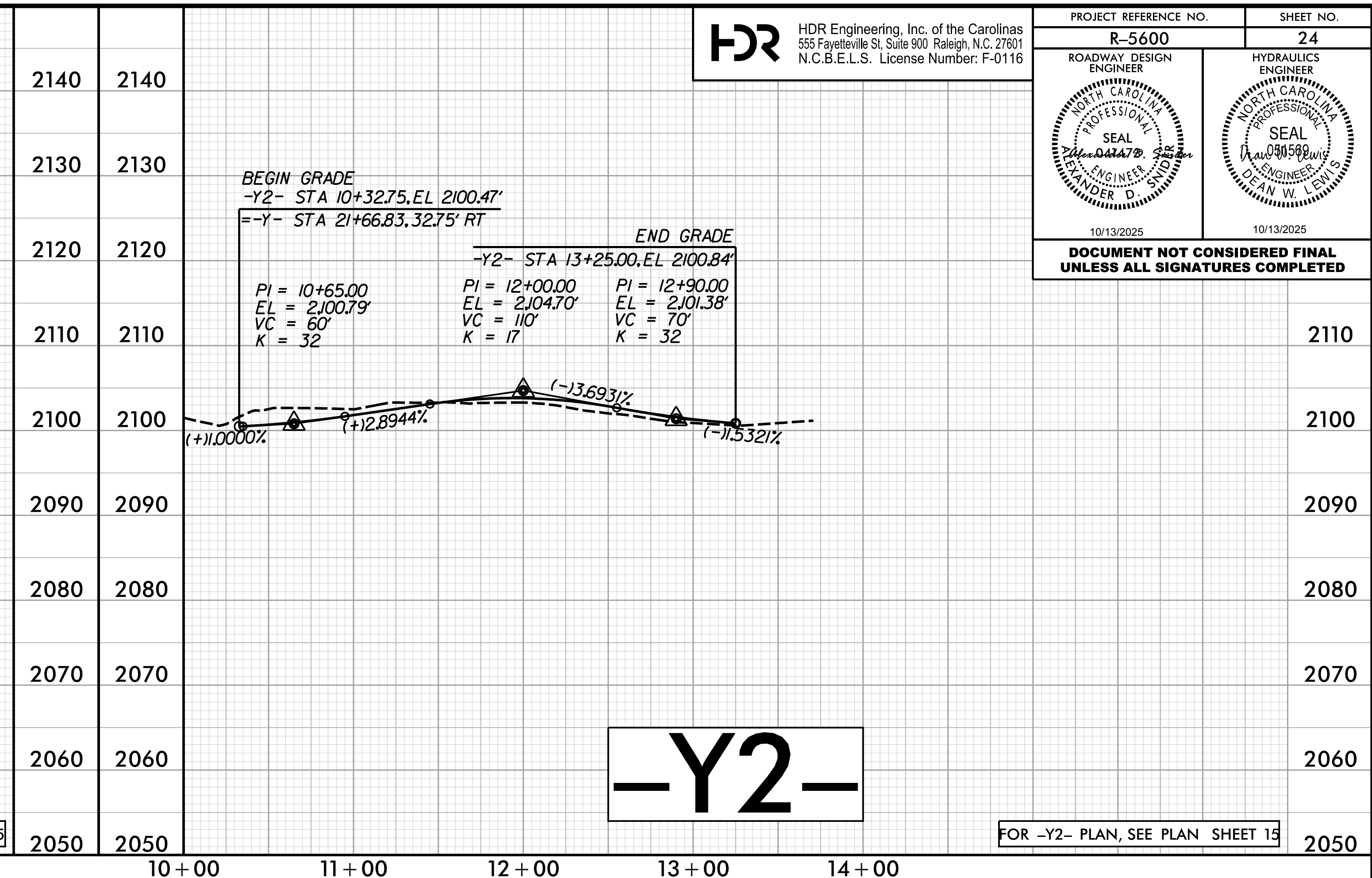
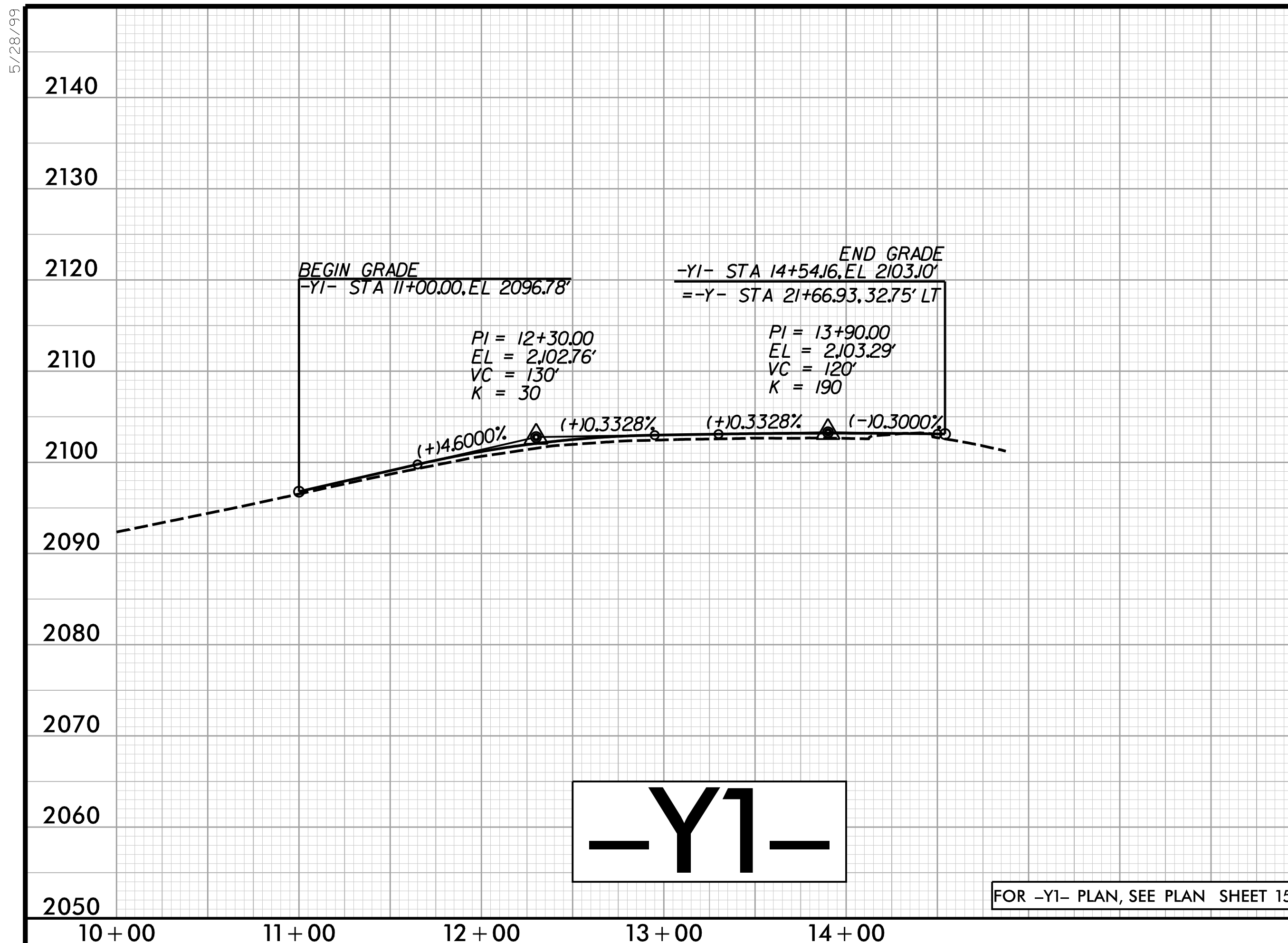
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5/28/99



5/28/99

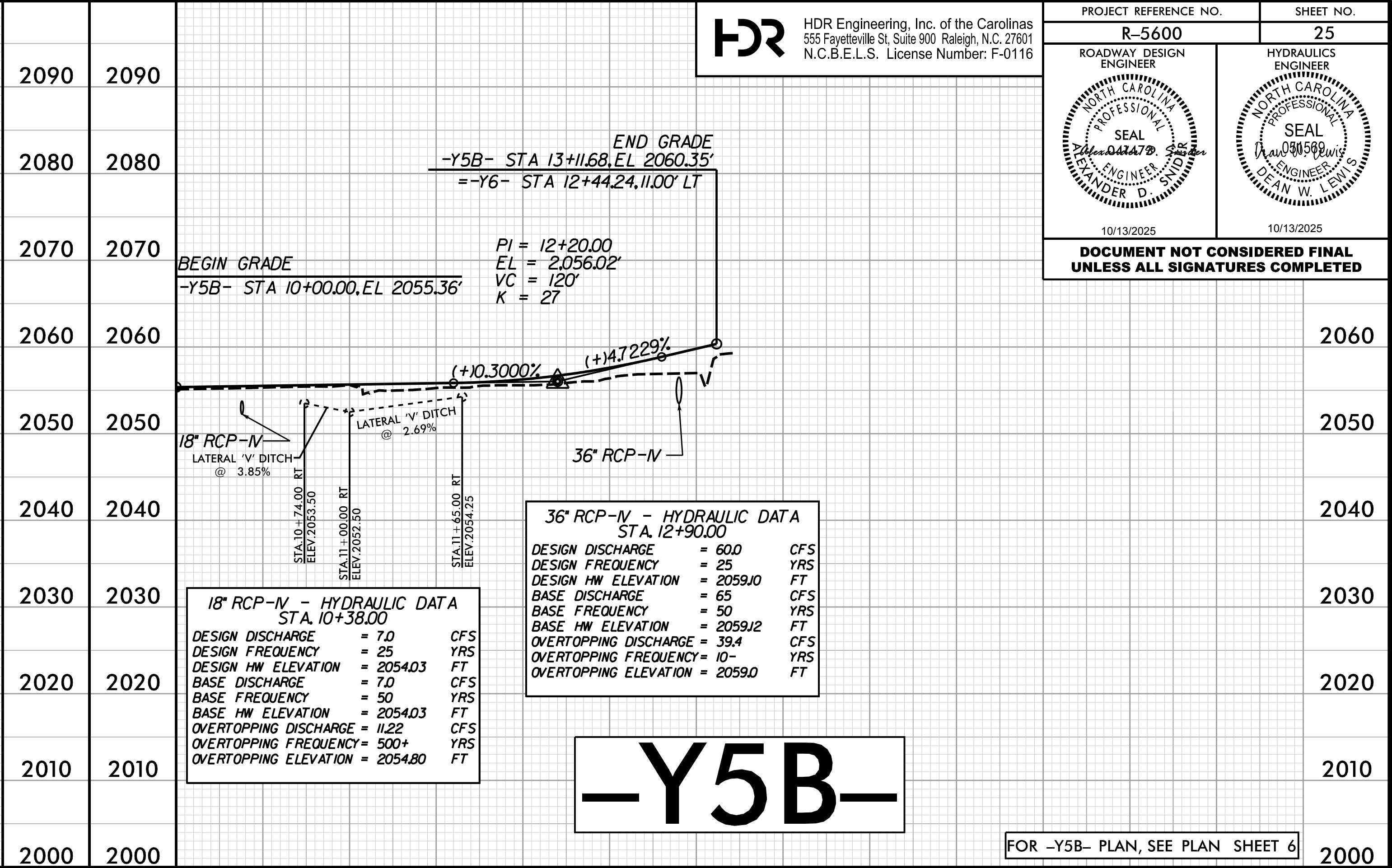
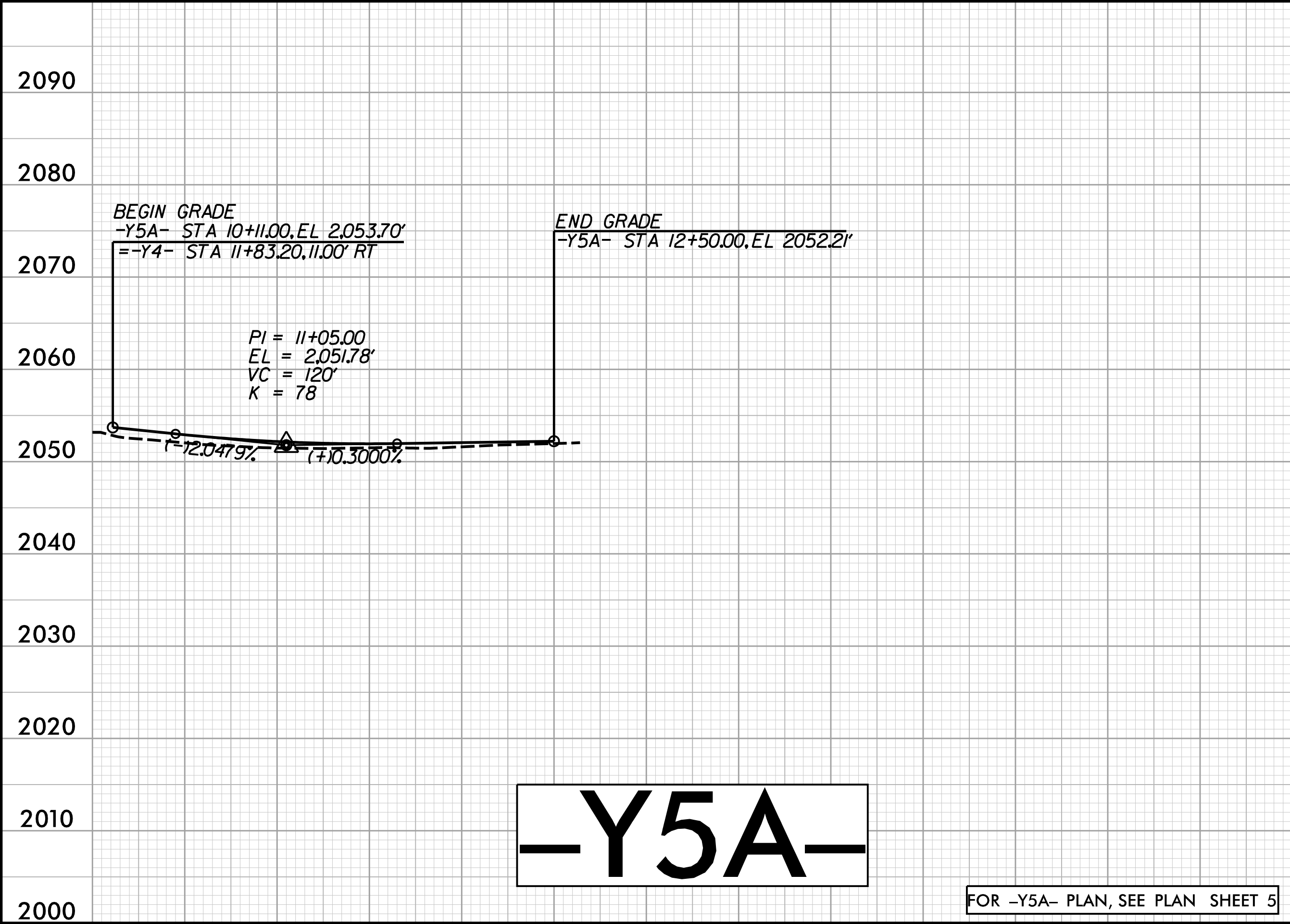




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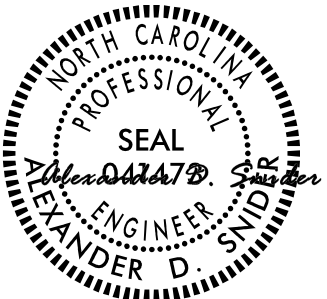
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PROJECT REFERENCE NO.
R-5600

ROADWAY DESIGN ENGINEER

10/13/2025

SHEET NO.
25

HYDRAULICS ENGINEER

10/13/2025

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**3@7'x8'-CULVERT HYDRAULIC DATA
STA. 12+94.00**

DESIGN DISCHARGE	= 940	CFS
DESIGN FREQUENCY	= 25	YRS
DESIGN HW ELEVATION	= 2059.2	FT
BASE DISCHARGE	= 1300	CFS
BASE FREQUENCY	= 100	YRS
BASE HW ELEVATION	= 2060.6	FT
OVERTOPPING DISCHARGE	= 1050	CFS
OVERTOPPING FREQUENCY	= 50+/-	YRS
OVERTOPPING ELEVATION	= 2060.2	FT

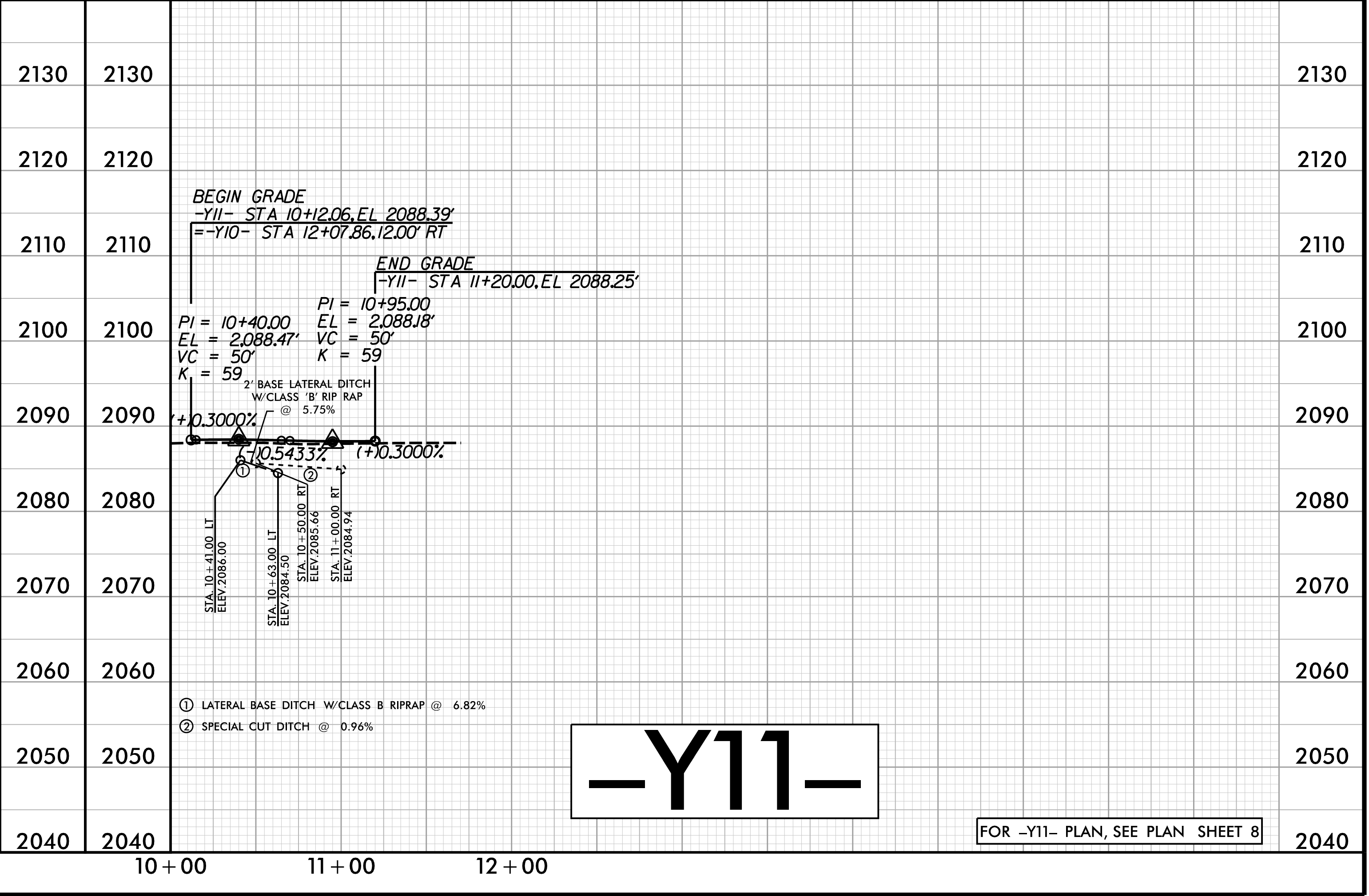
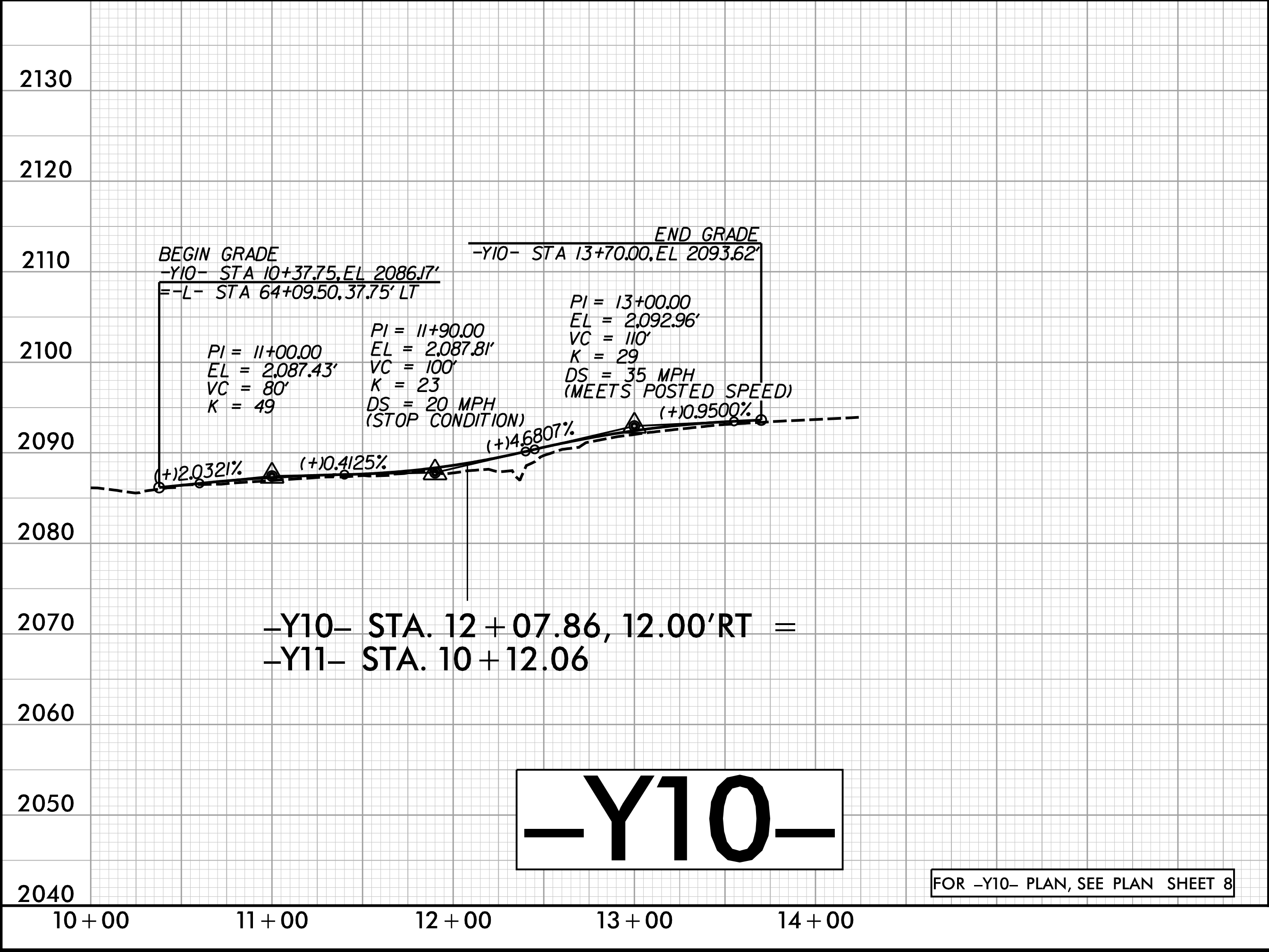
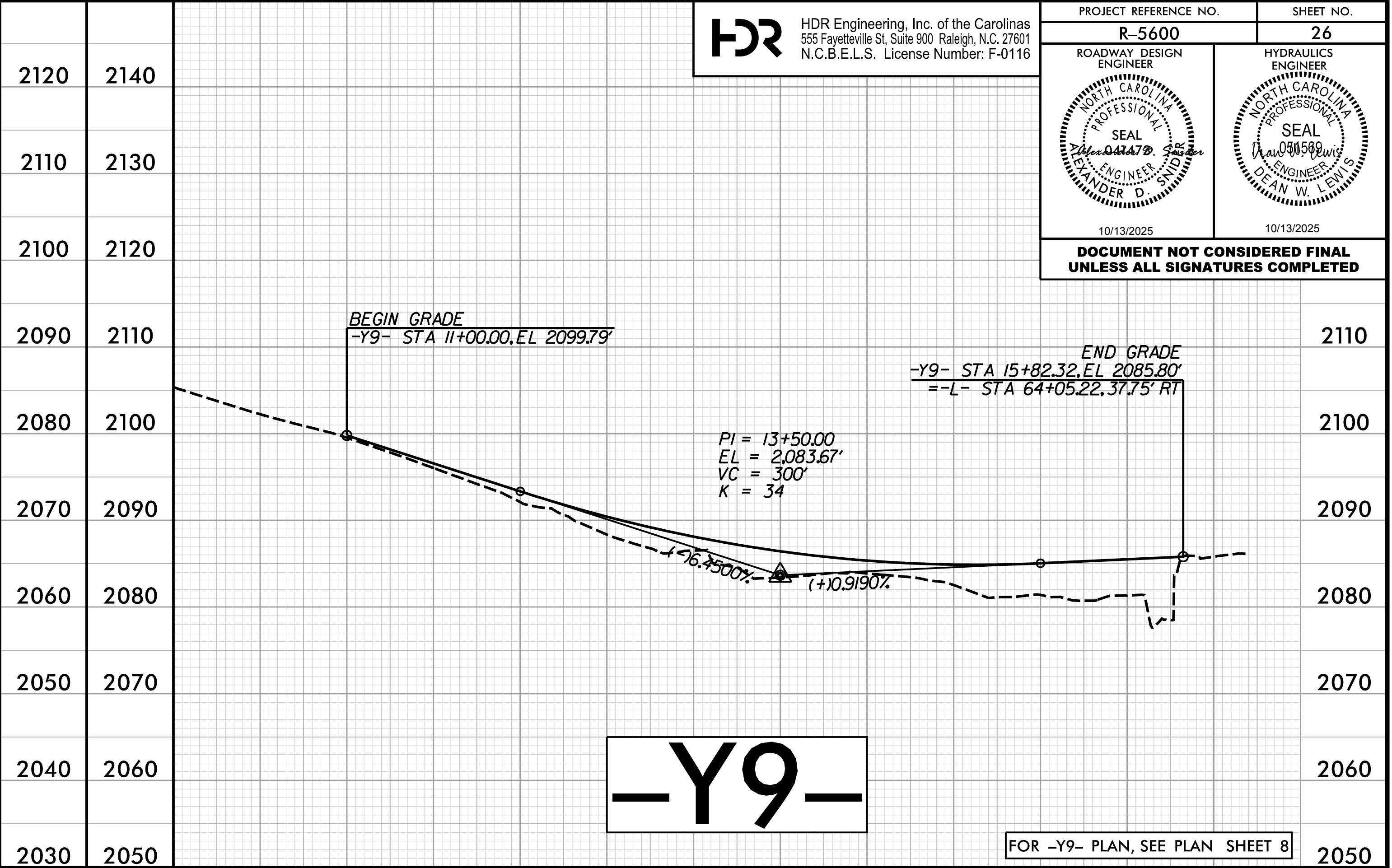
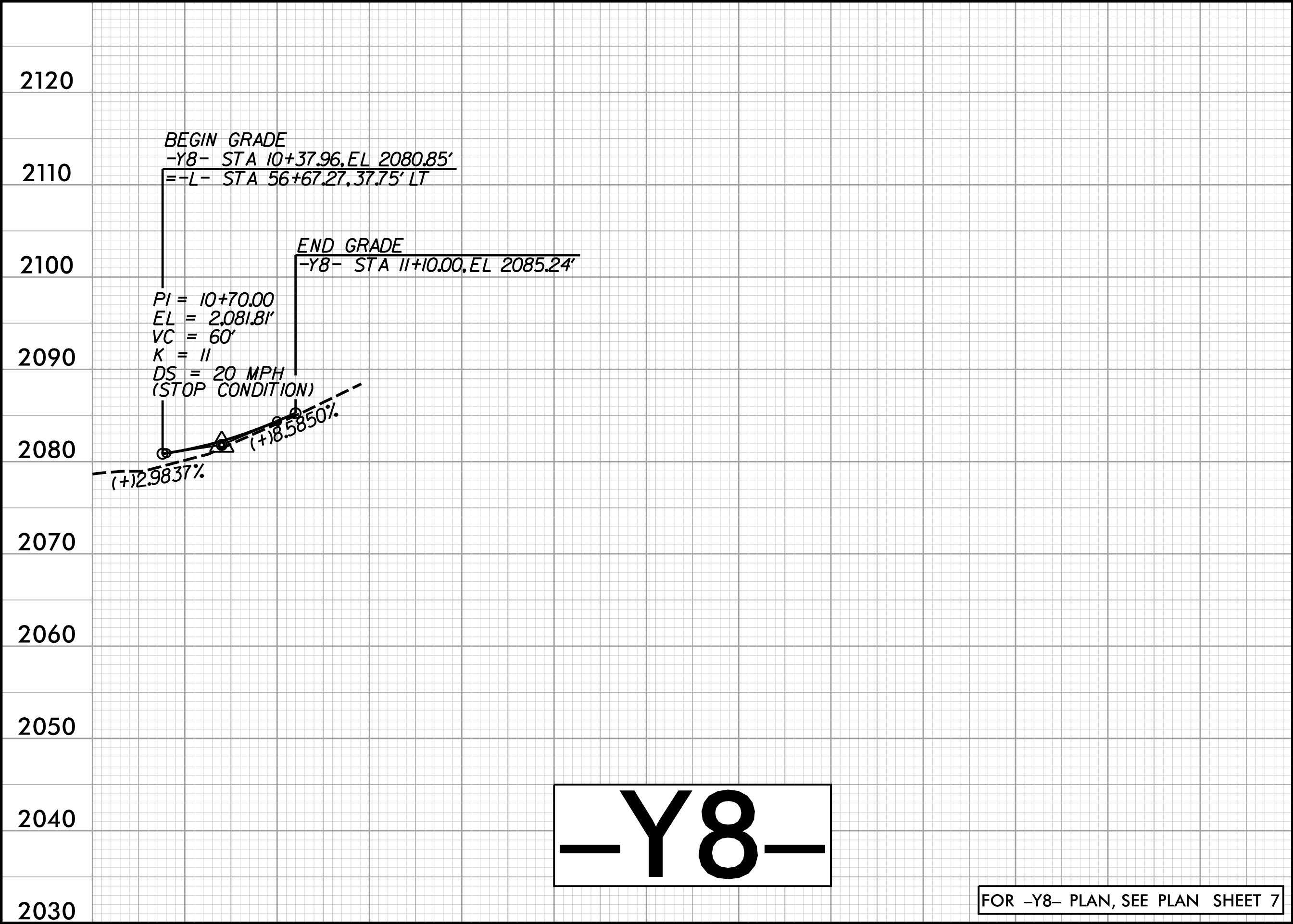
**18" RCP-N - HYDRAULIC DATA
STA. 11+17.00**

DESIGN DISCHARGE	= 7.0	CFS
DESIGN FREQUENCY	= 25	YRS
DESIGN HW ELEVATION	= 2080.42	FT
BASE DISCHARGE	= 8.0	CFS
BASE FREQUENCY	= 50	YRS
BASE HW ELEVATION	= 2080.56	FT
OVERTOPPING DISCHARGE	= 14.61	CFS
OVERTOPPING FREQUENCY	= 100+	YRS
OVERTOPPING ELEVATION	= 2082.50	FT

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

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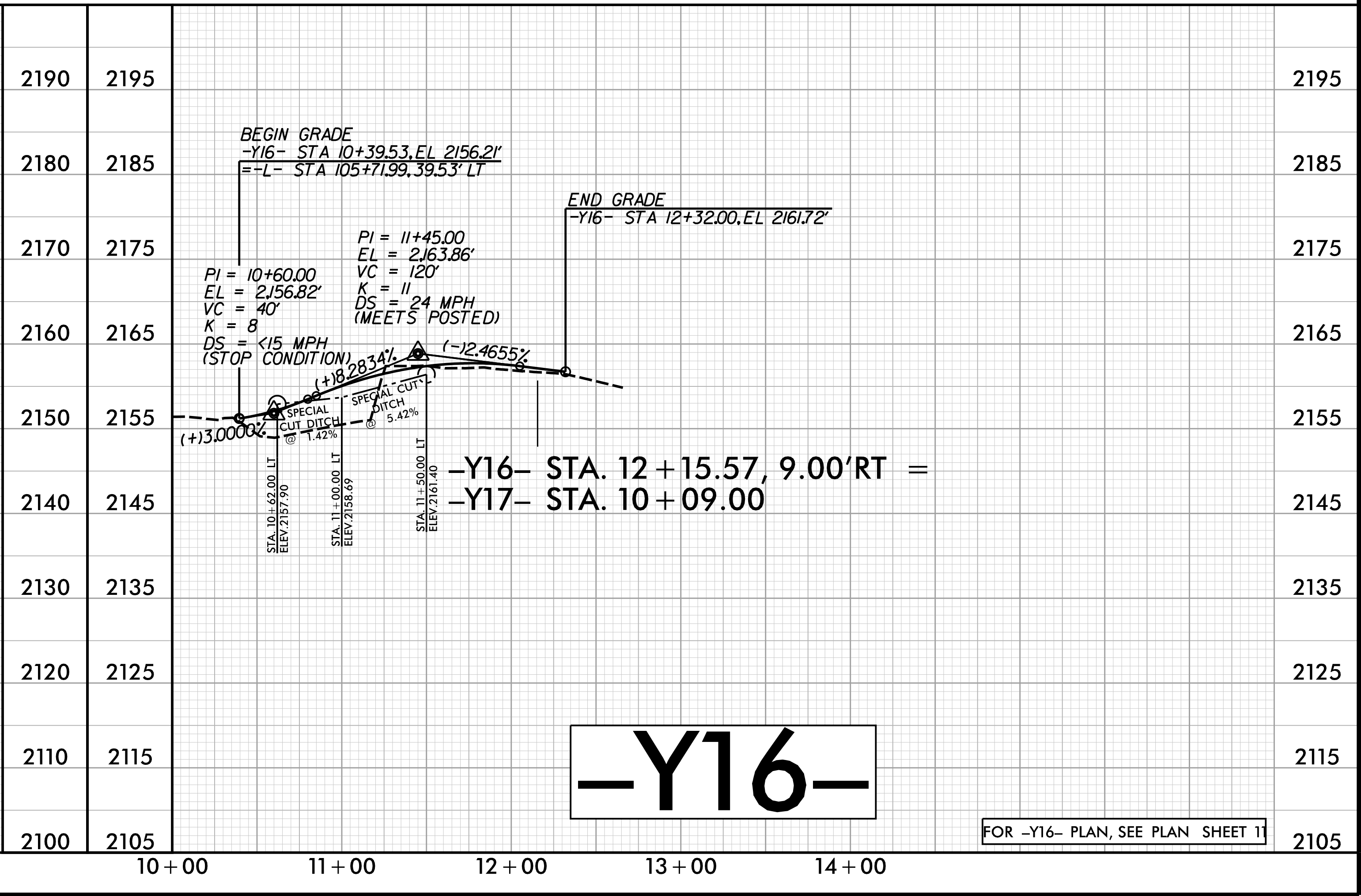
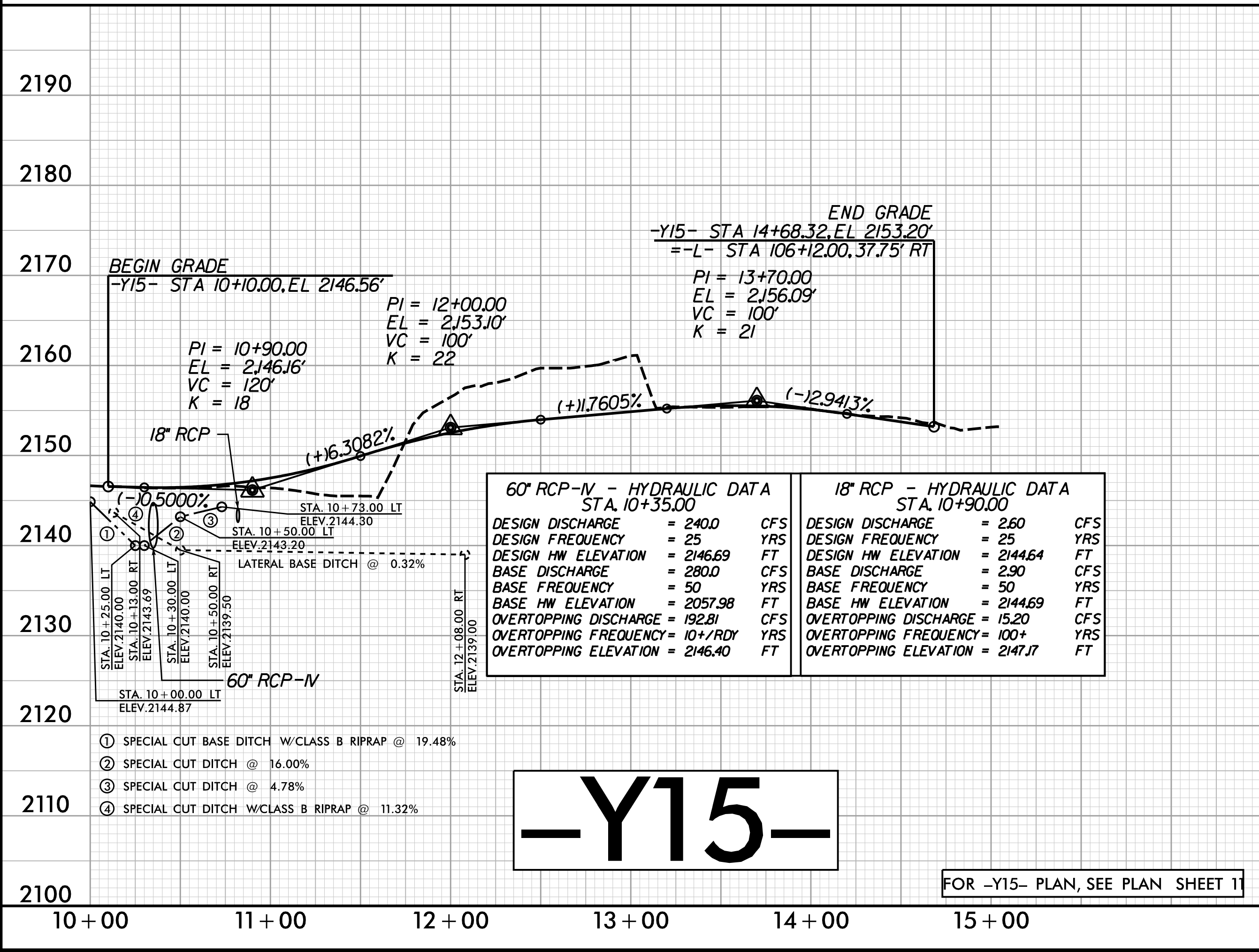
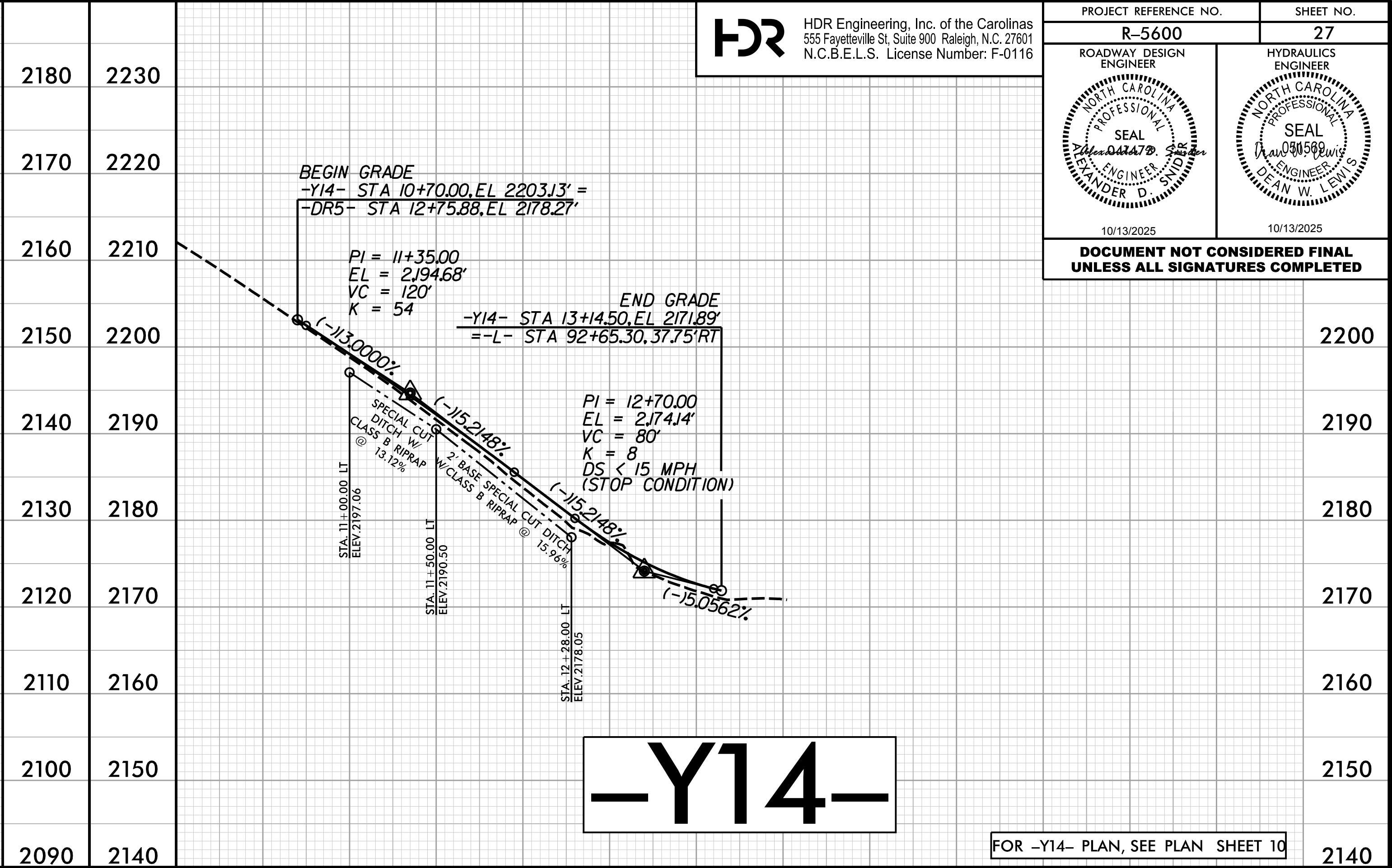
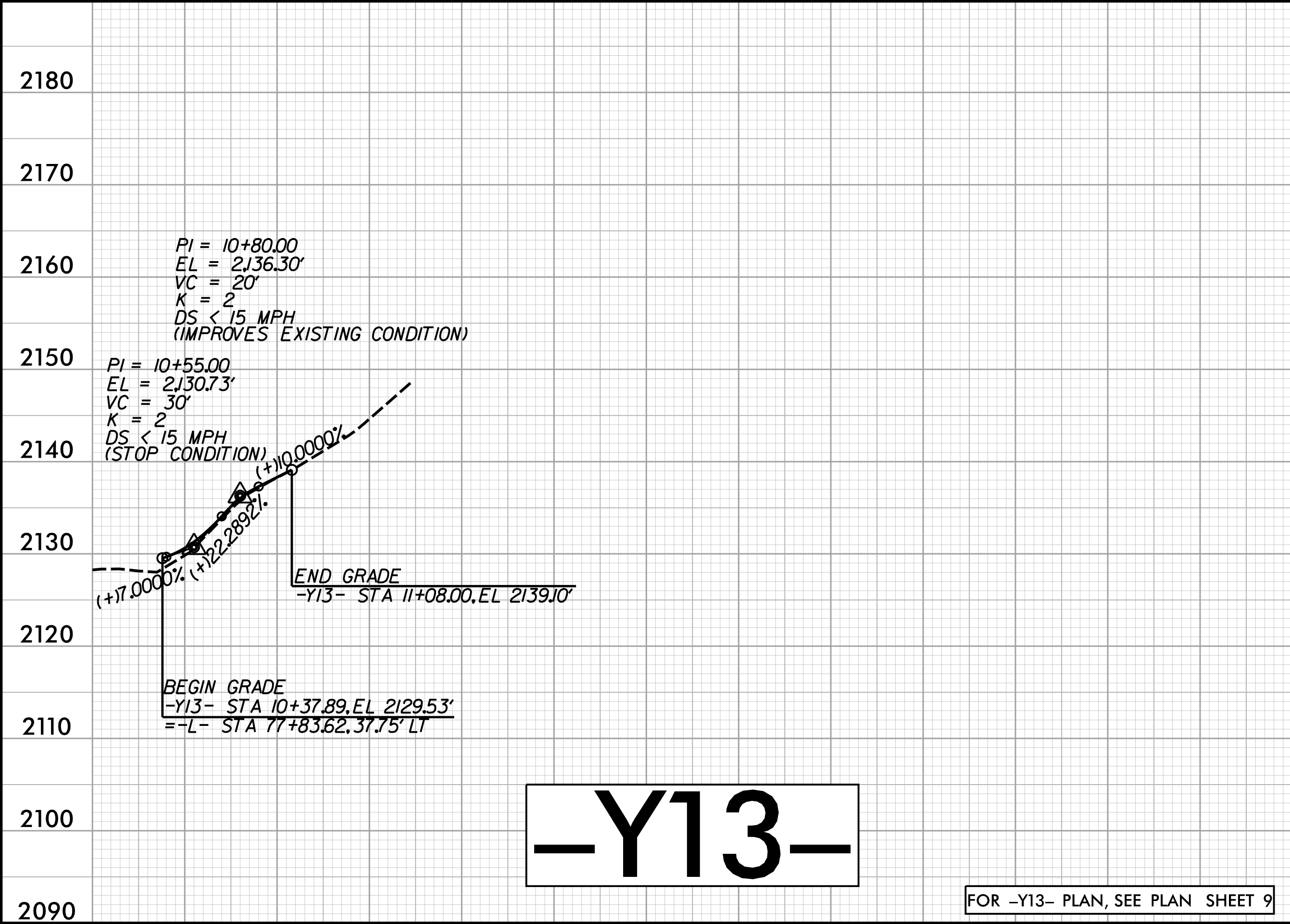
5/28/99



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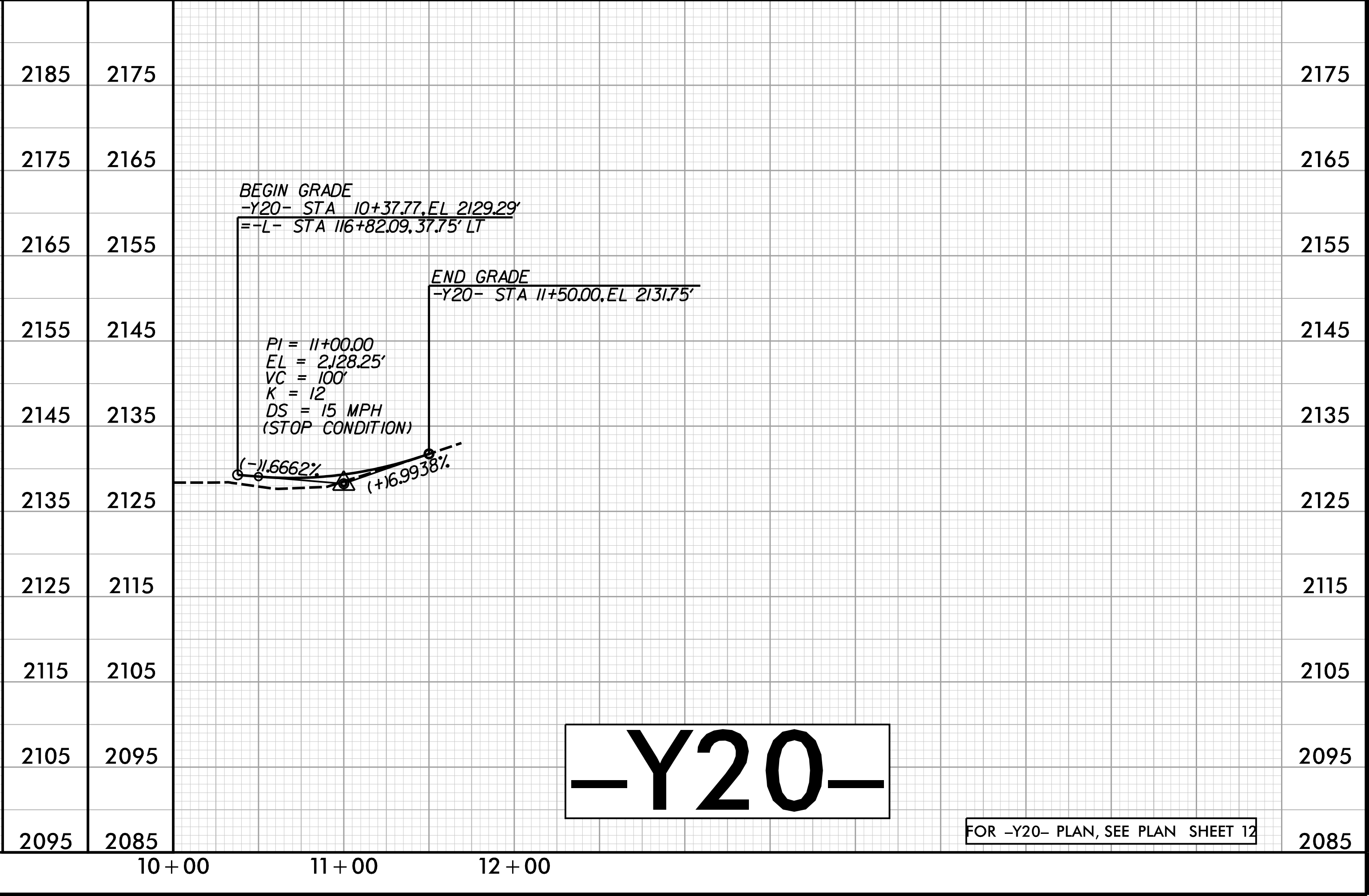
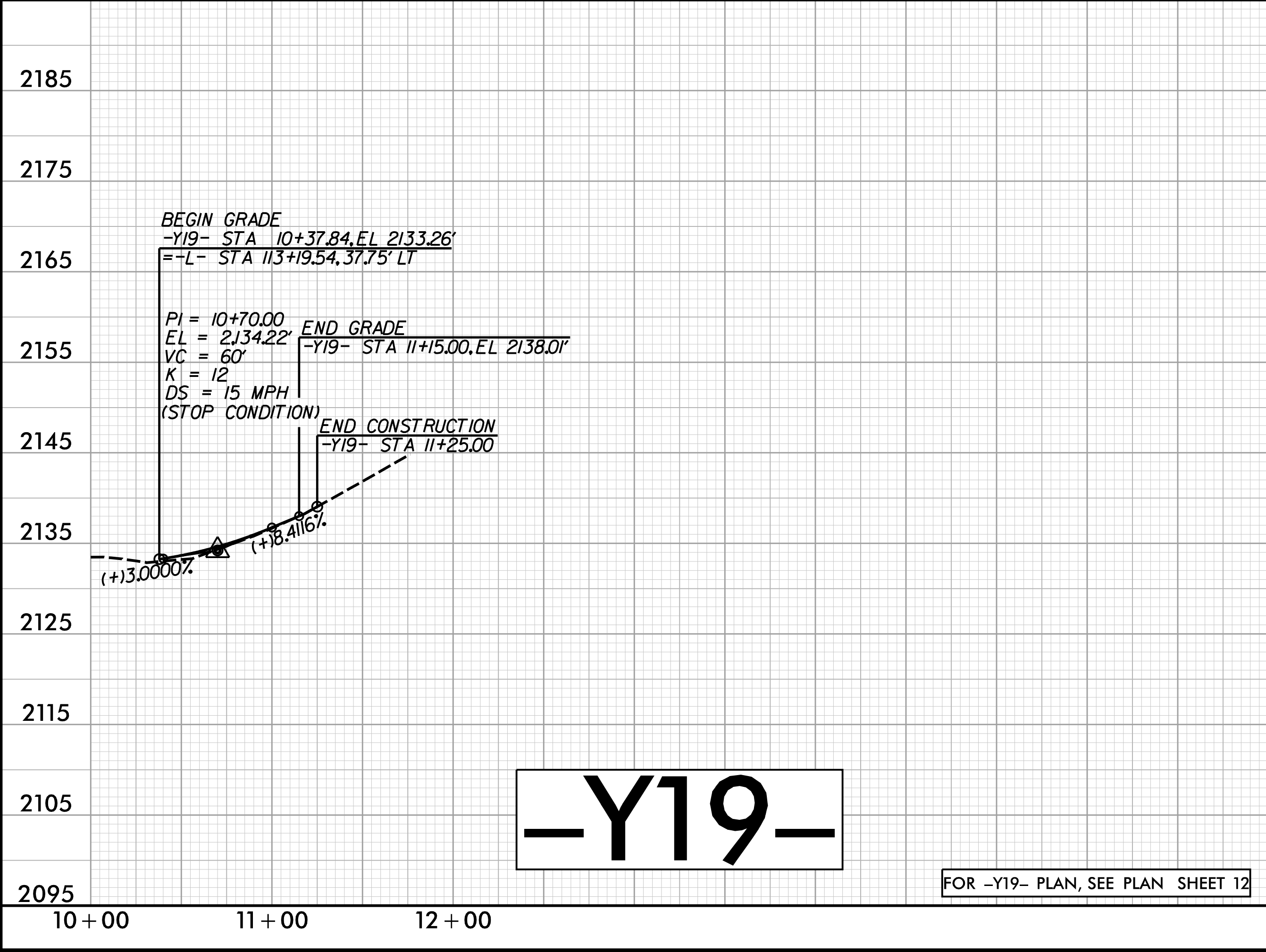
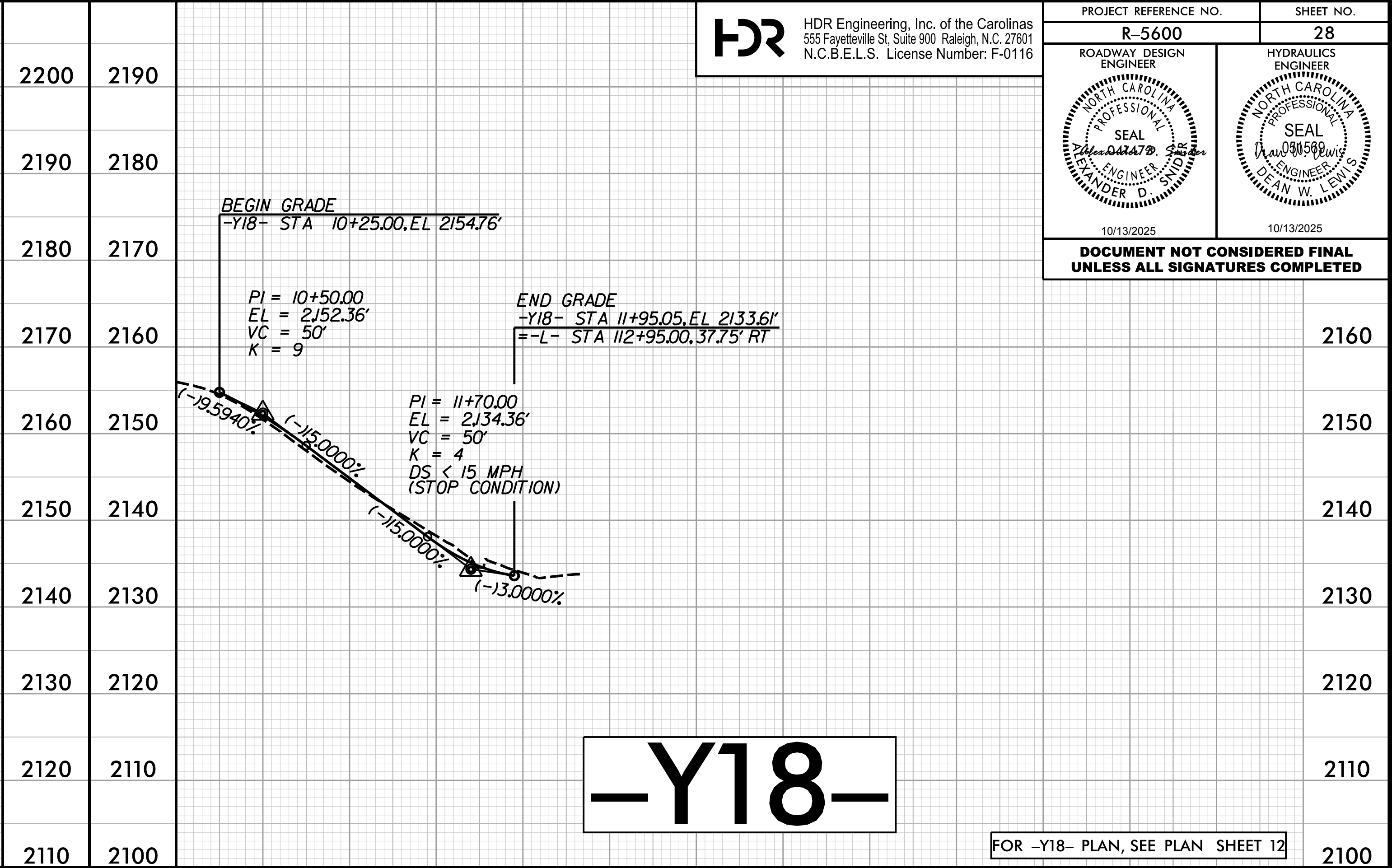
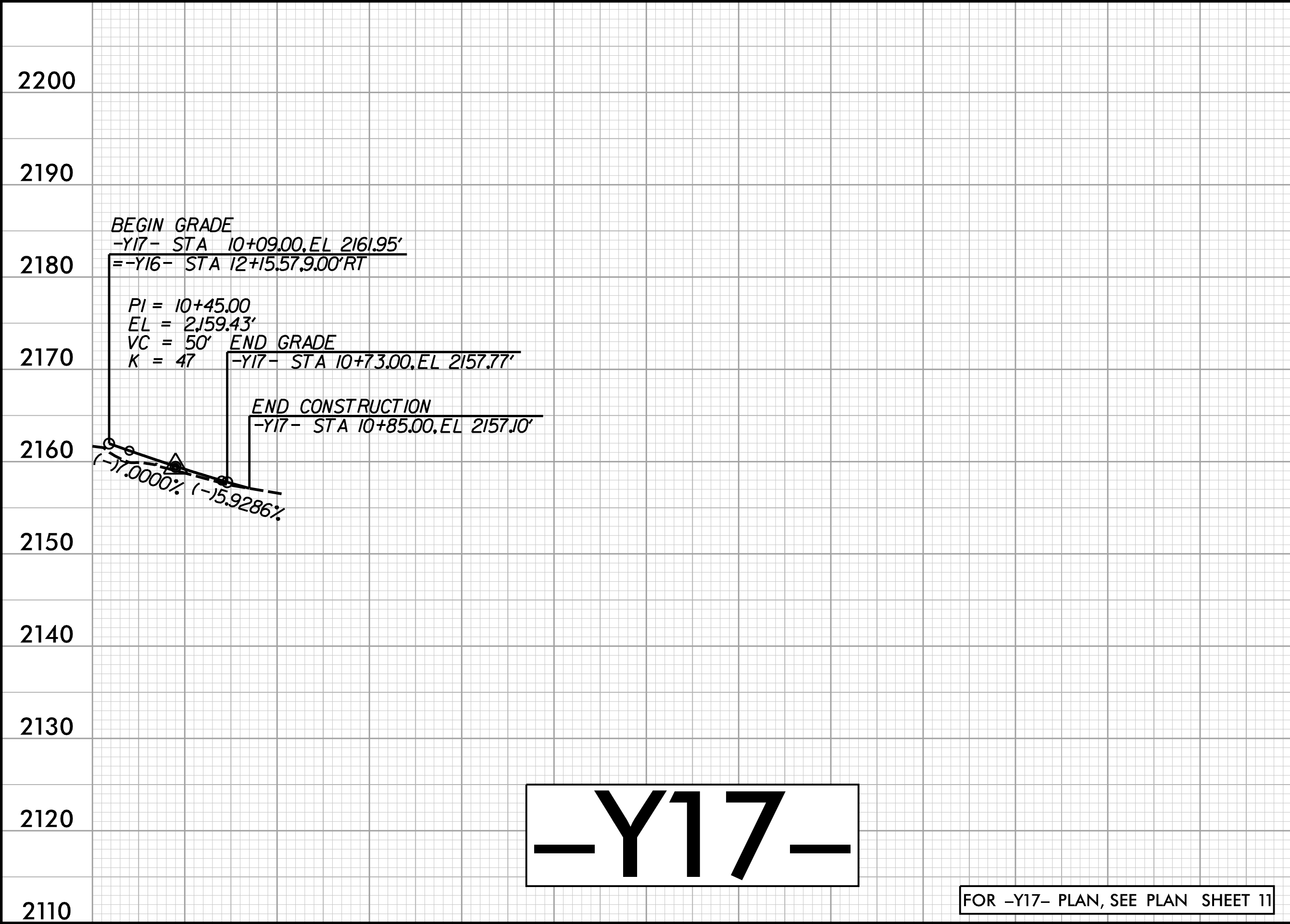
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5/28/99



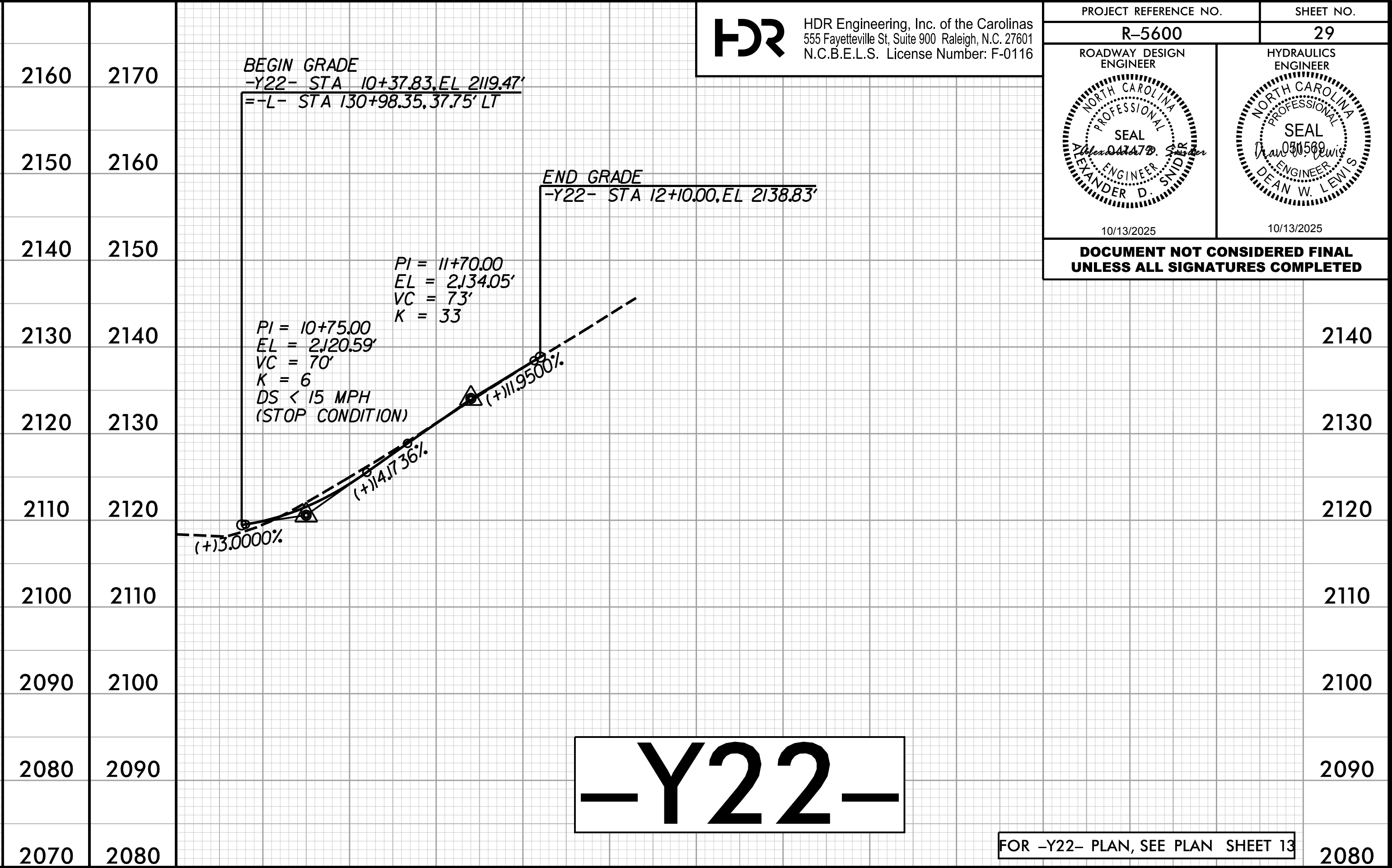
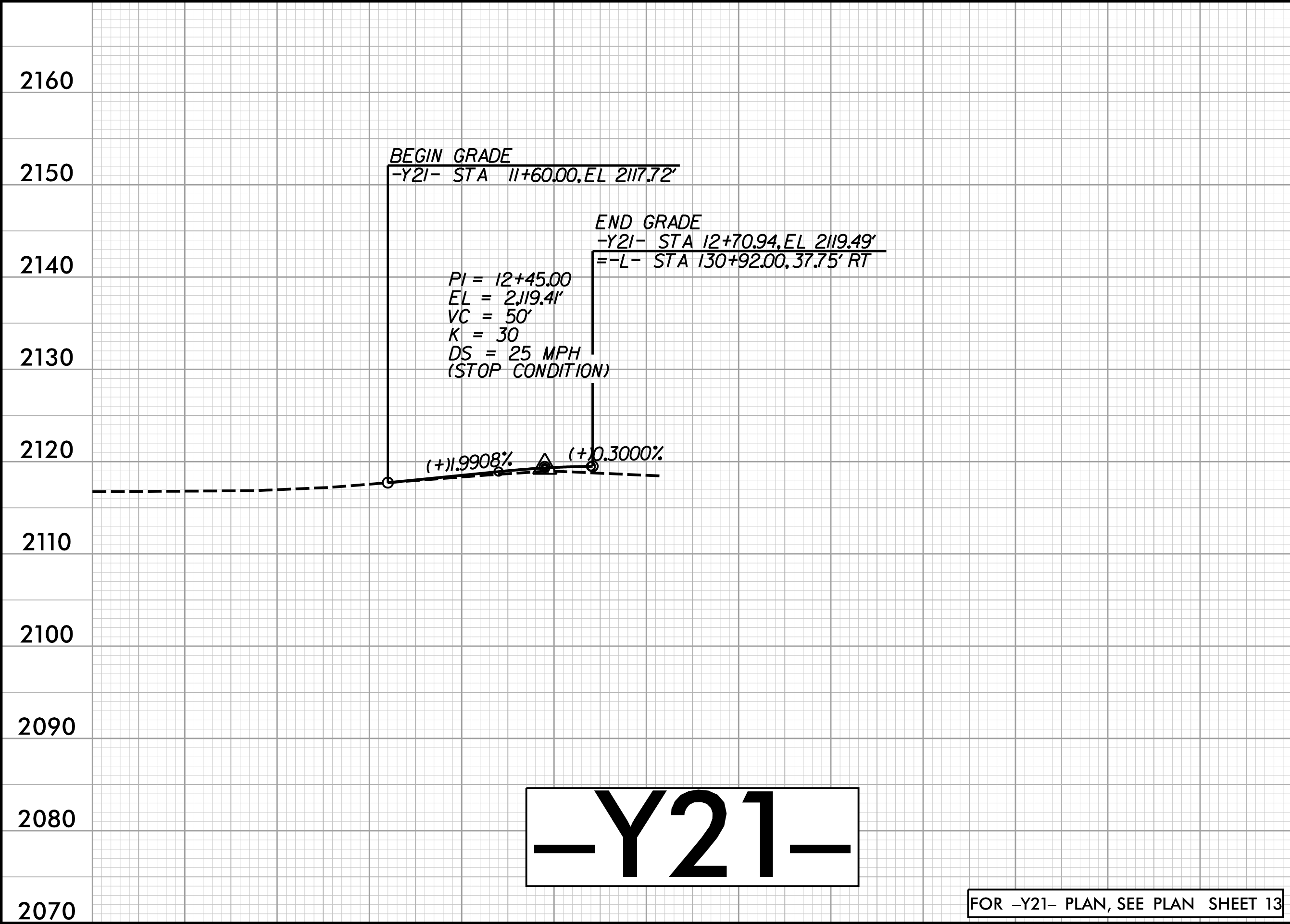
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PROJECT REFERENCE NO. R-5600		SHEET NO. 28
ROADWAY DESIGN ENGINEER 	HYDRAULICS ENGINEER 	
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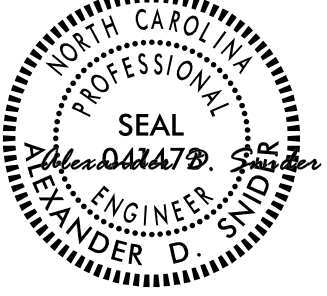
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R-5600

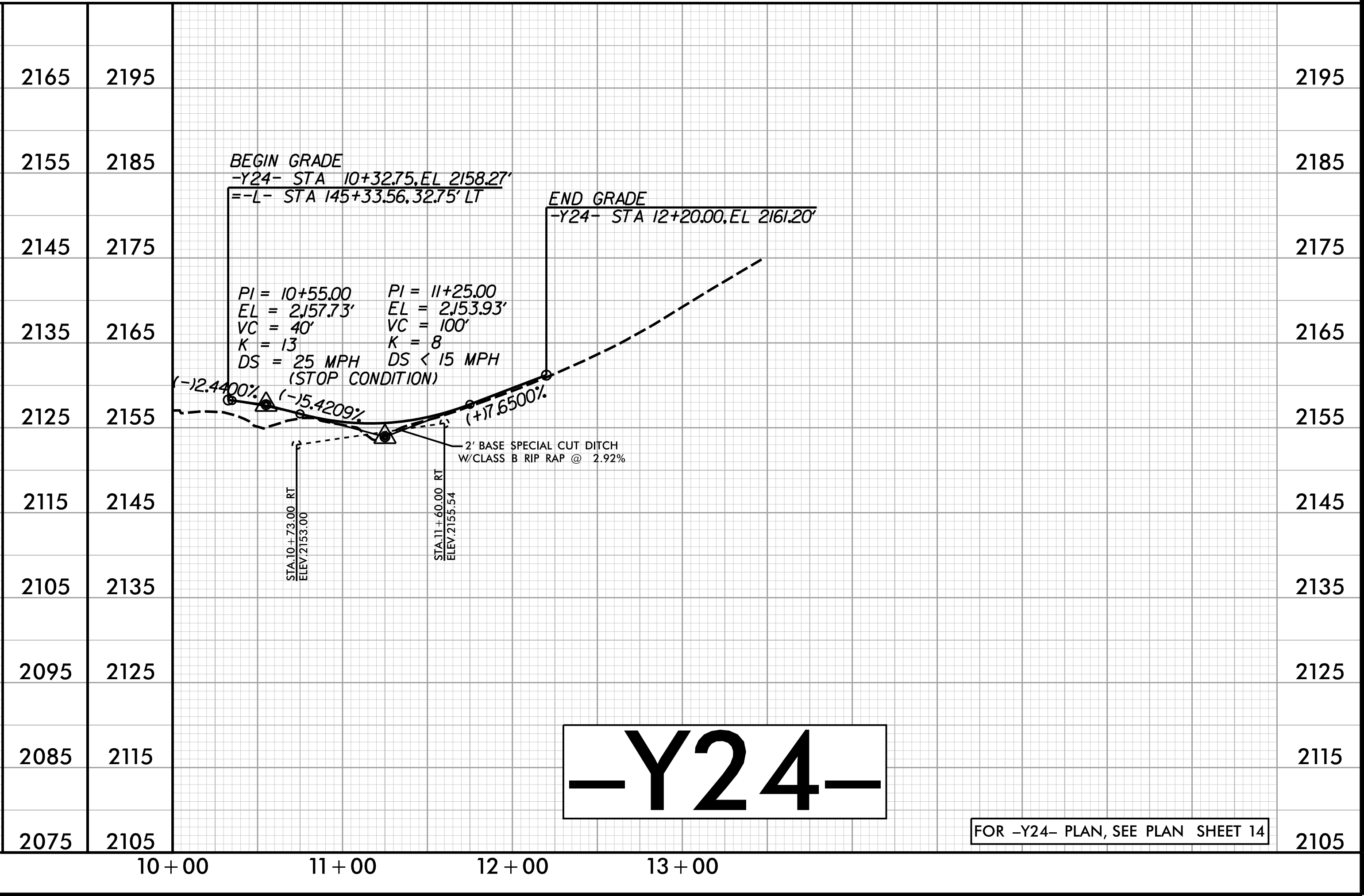
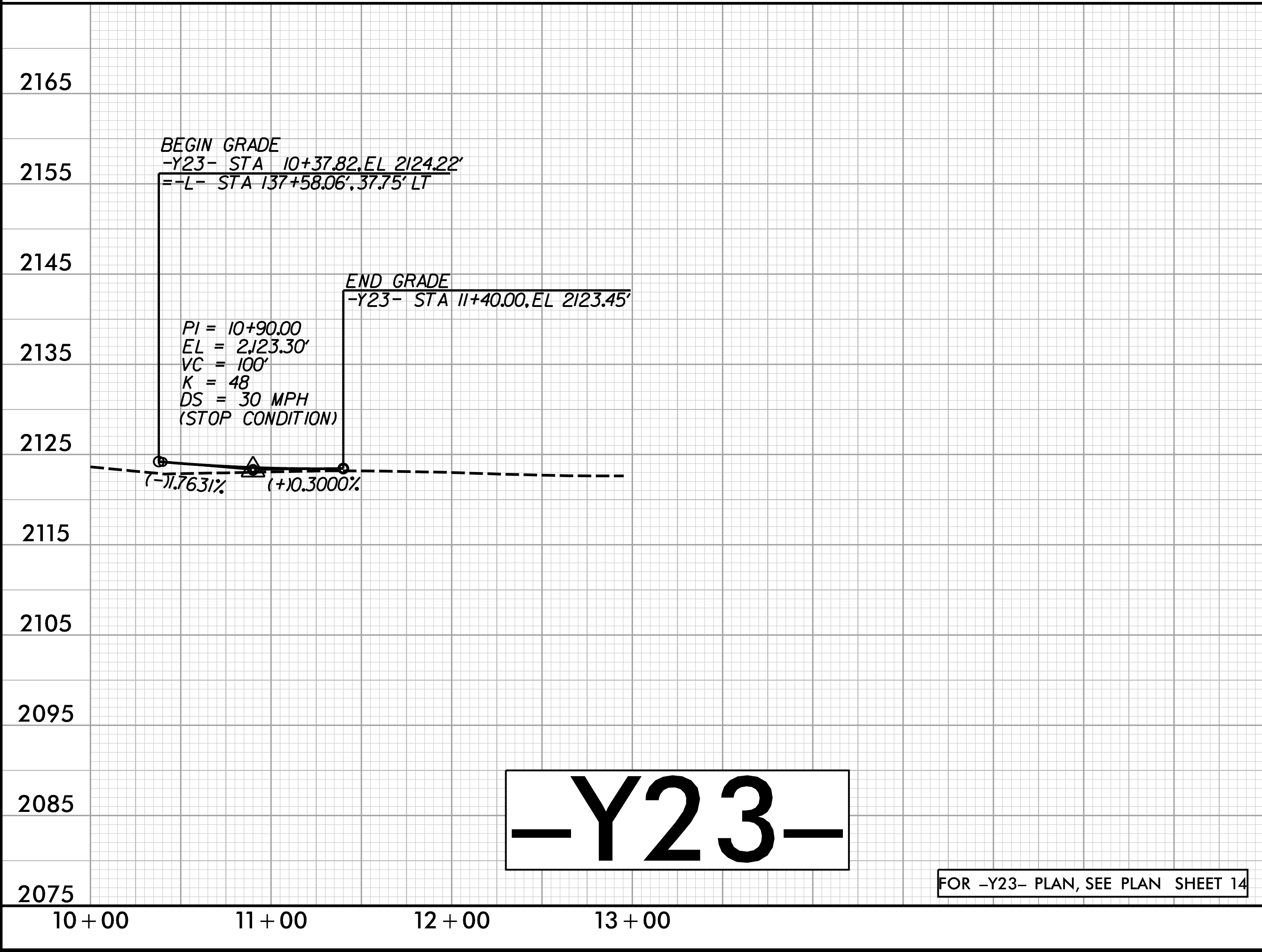
ROADWAY DESIGN ENGINEER

SEAL
ALEXANDER D. SNYDER
10/13/2025

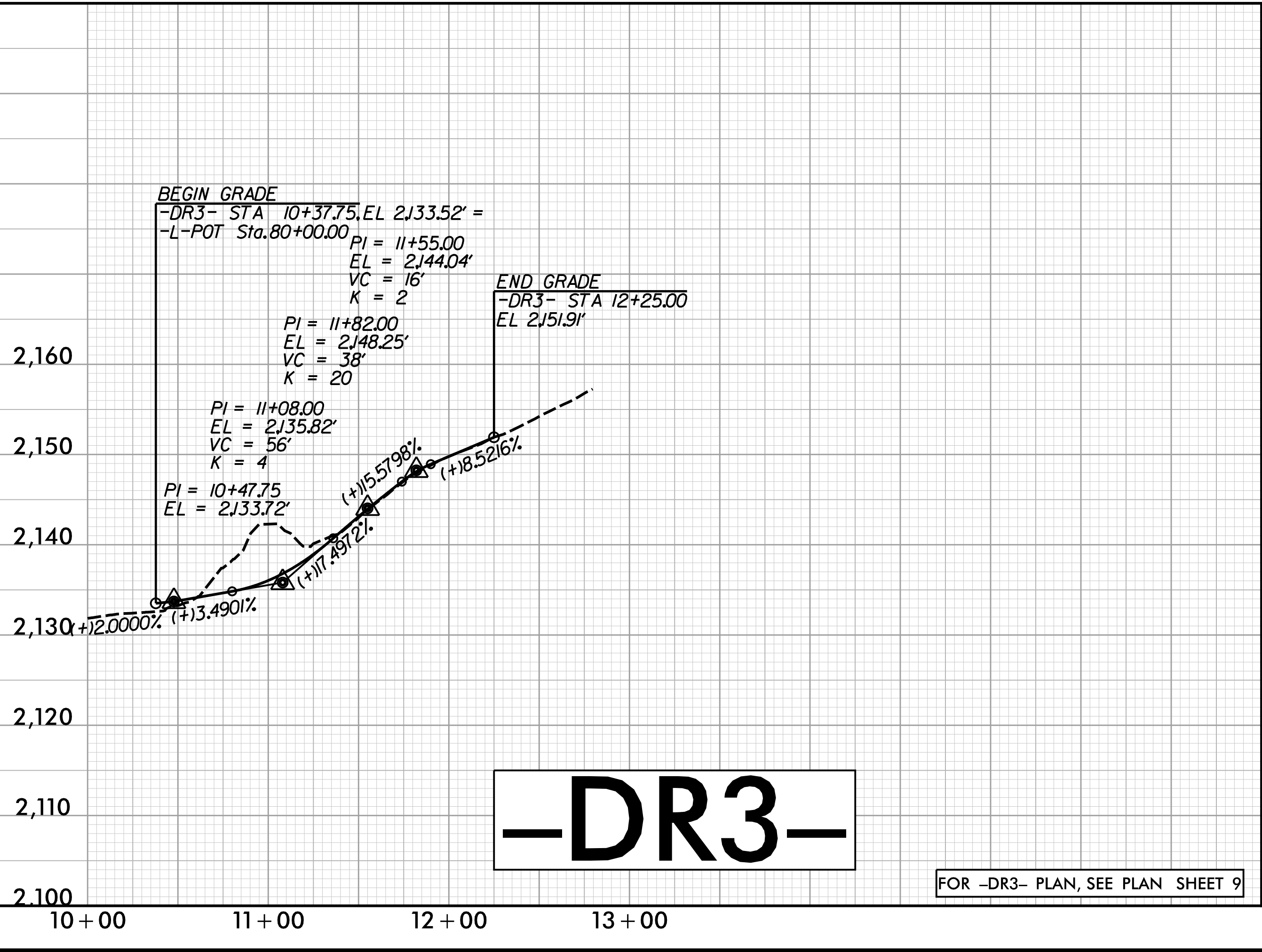
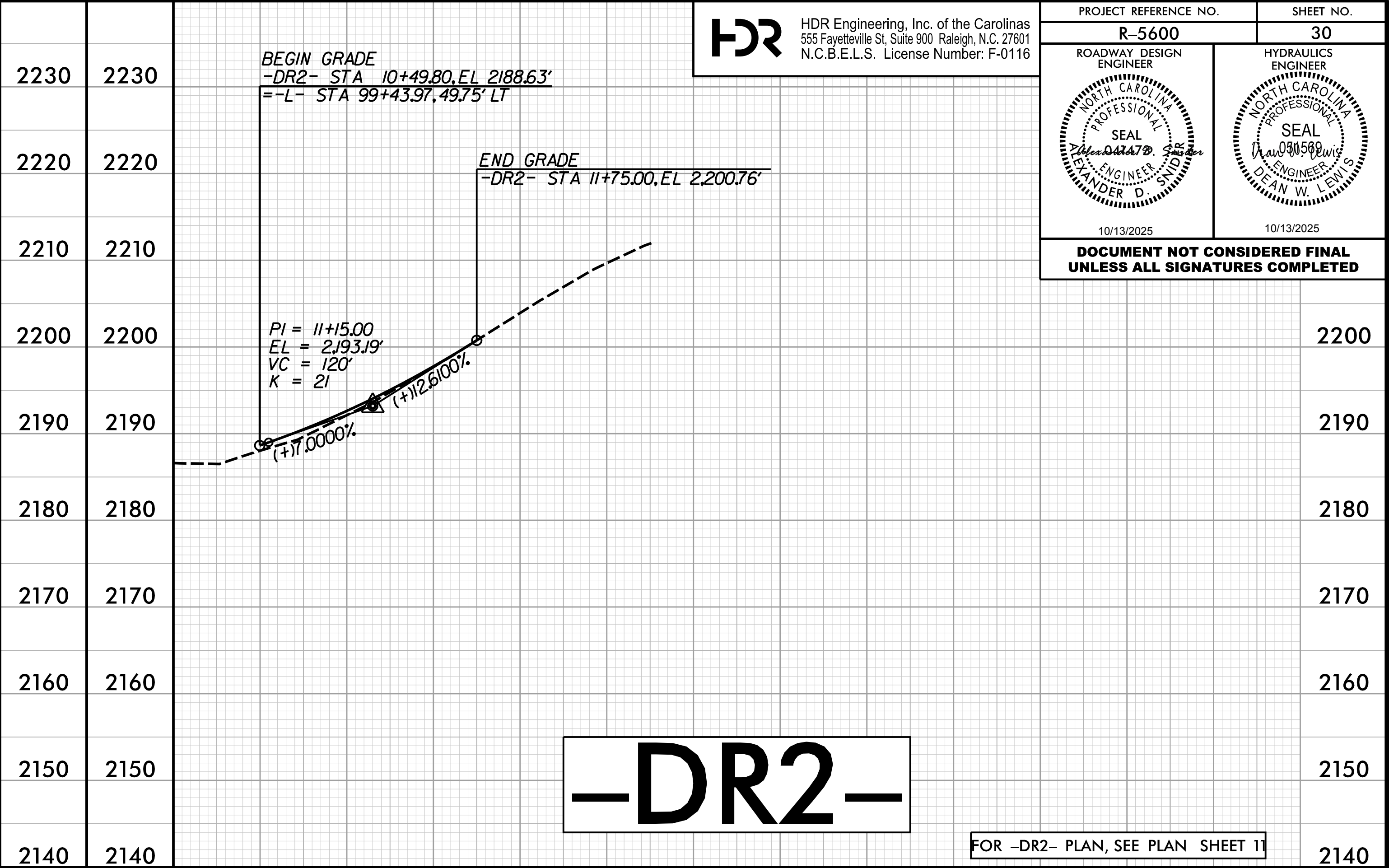
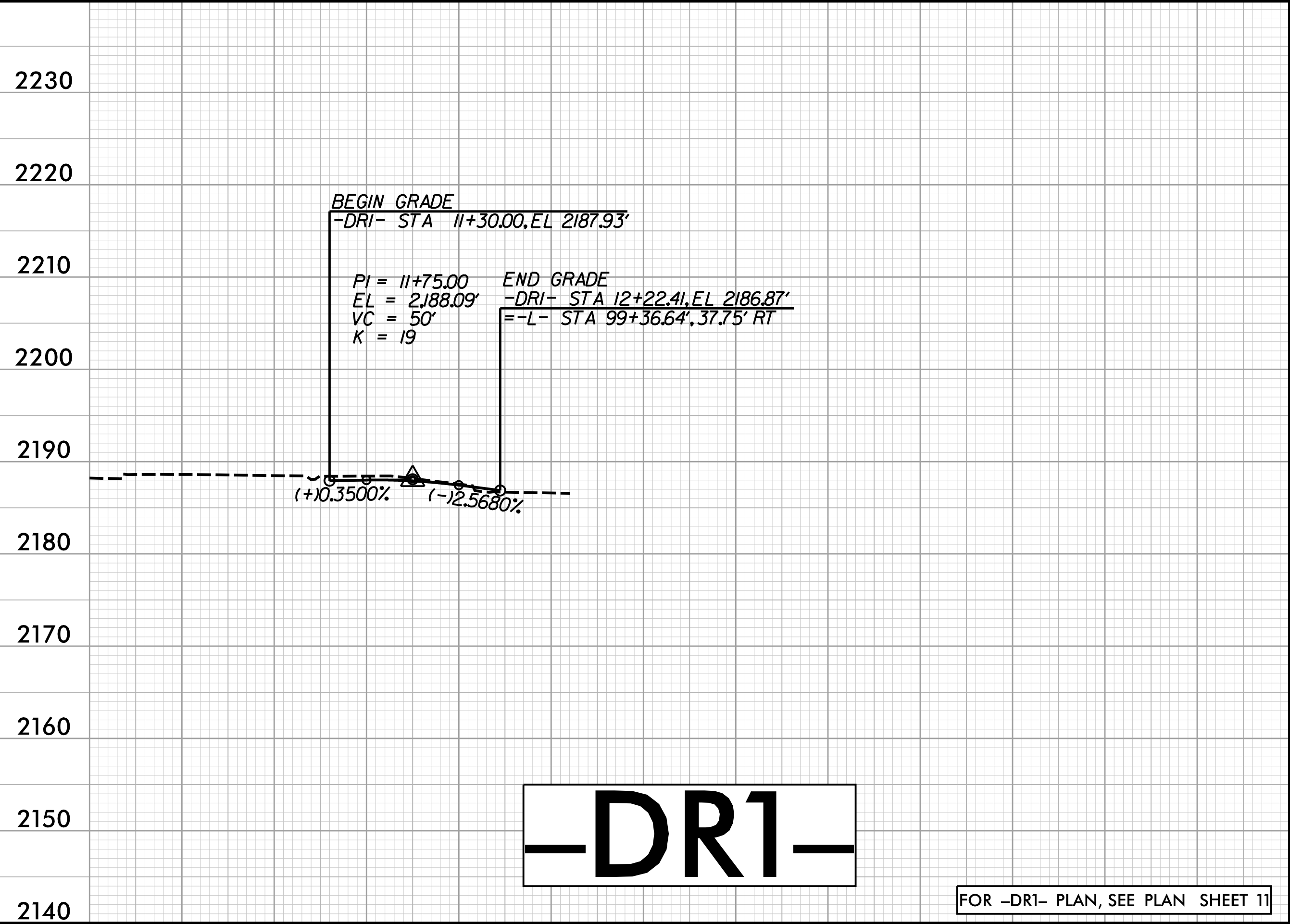
SHEET NO.
29

HYDRAULICS ENGINEER

SEAL
DEAN W. LEWIS
10/13/2025

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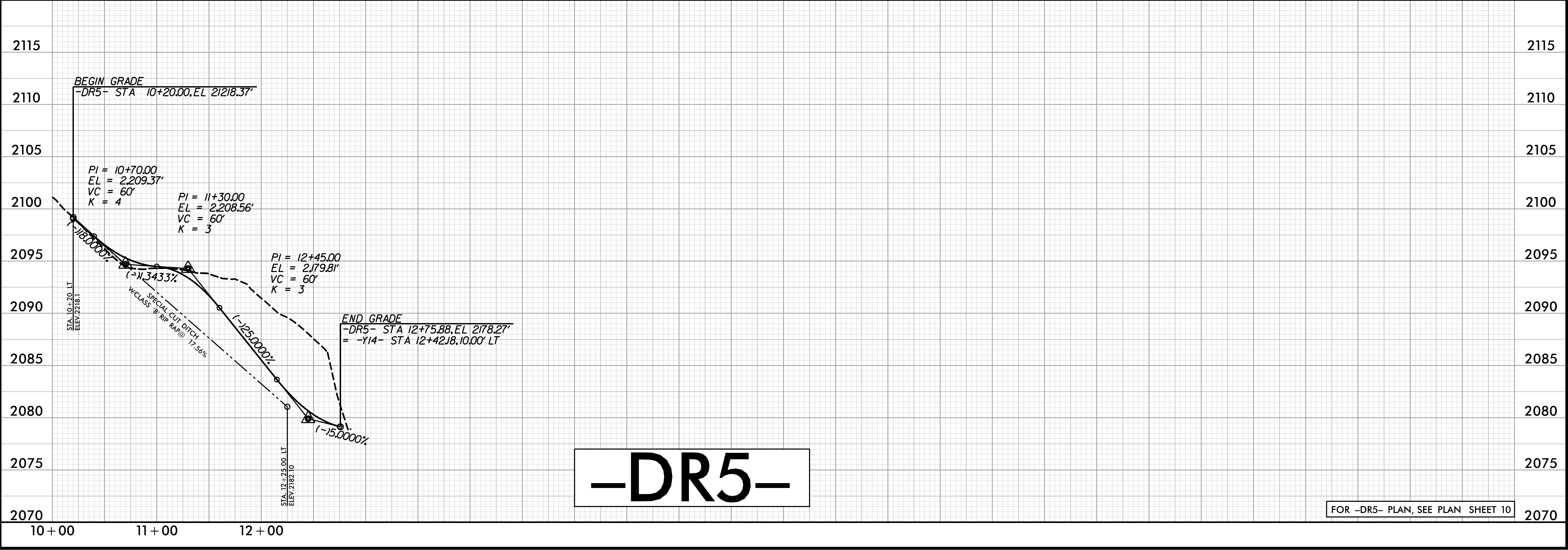
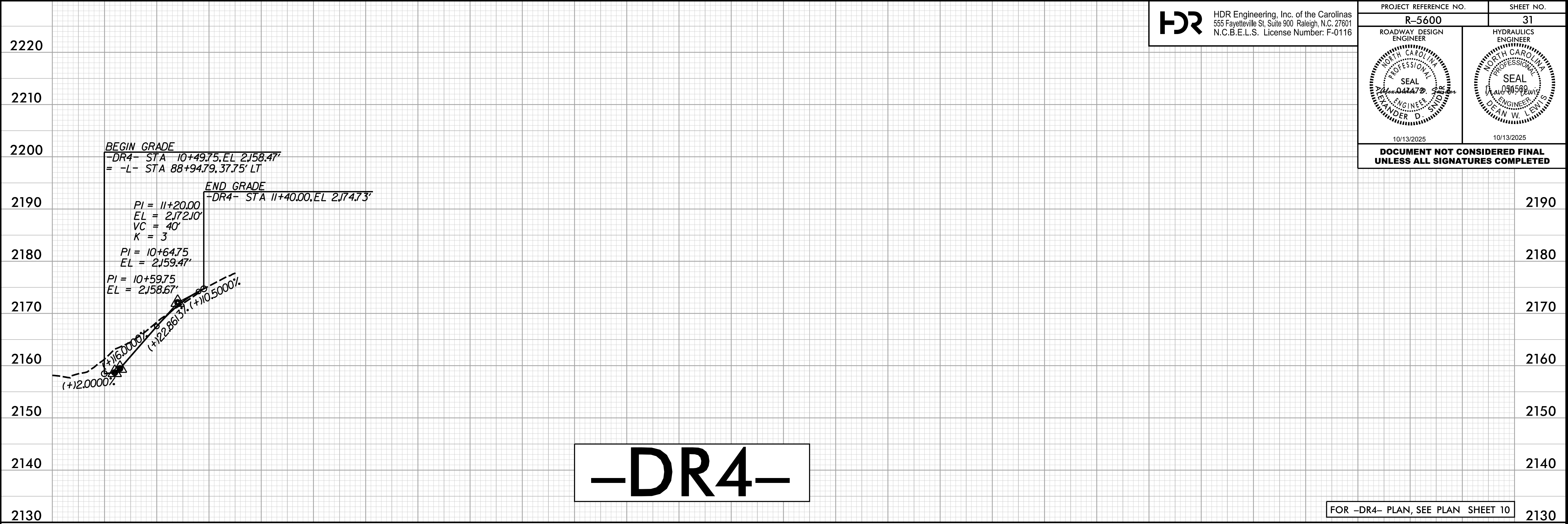


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PROJECT REFERENCE NO. R-5600	SHEET NO. 30
ROADWAY DESIGN ENGINEER 	HYDRAULICS ENGINEER
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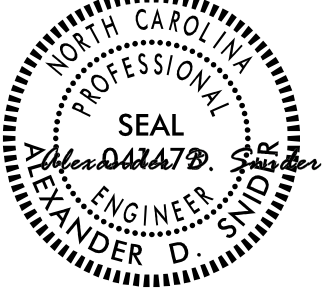
5/28/99





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PROJECT REFERENCE NO.
R-5600

ROADWAY DESIGN ENGINEER


SHEET NO.
31

HYDRAULICS ENGINEER


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