

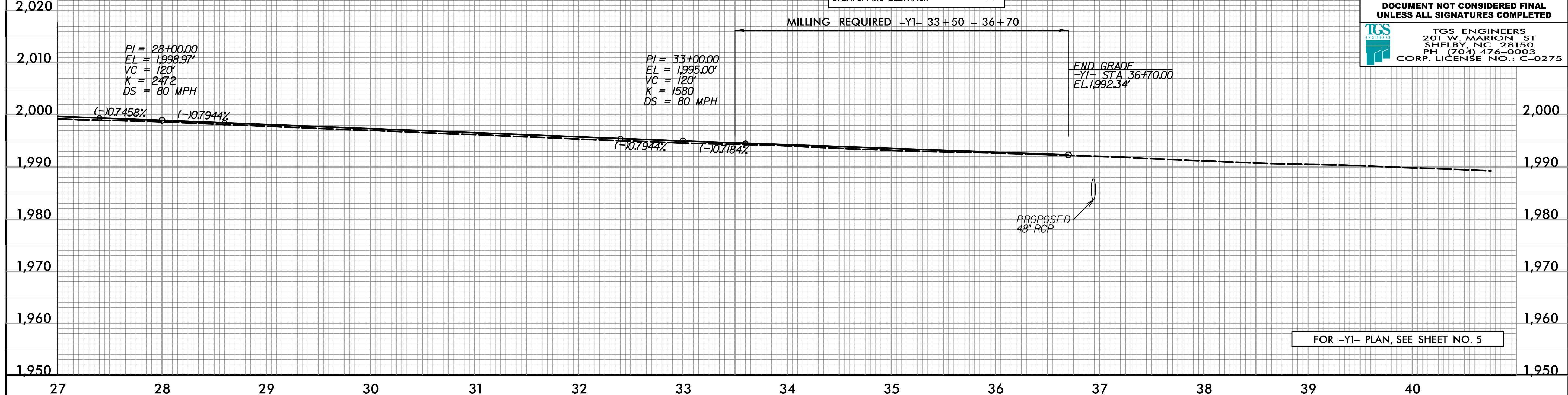
5/28/24

-Y1-

PROJECT REFERENCE NO. A-0009CA	SHEET NO. 28
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	
 TGS ENGINEERS 201 W. MARION ST SHELBY, NC 28150 PH (704) 476-0003 CORP. LICENSE NO.: C-0275	

PIPE HYDRAULIC DATA
*0419-Y1- Sta. 36+94

DRAINAGE AREA	= 181	AC
DESIGN FREQUENCY	= 25	YRS
DESIGN DISCHARGE	= 60	CFS
DESIGN HW ELEVATION	= 1989.4	FT
100 YEAR DISCHARGE	= 80	CFS
100 YEAR HW ELEVATION	= N/A	FT
OVERTOPPING FREQUENCY	= 25	YRS
OVERTOPPING DISCHARGE	= 60	CFS
OVERTOPPING ELEVATION	= 1989.4	FT

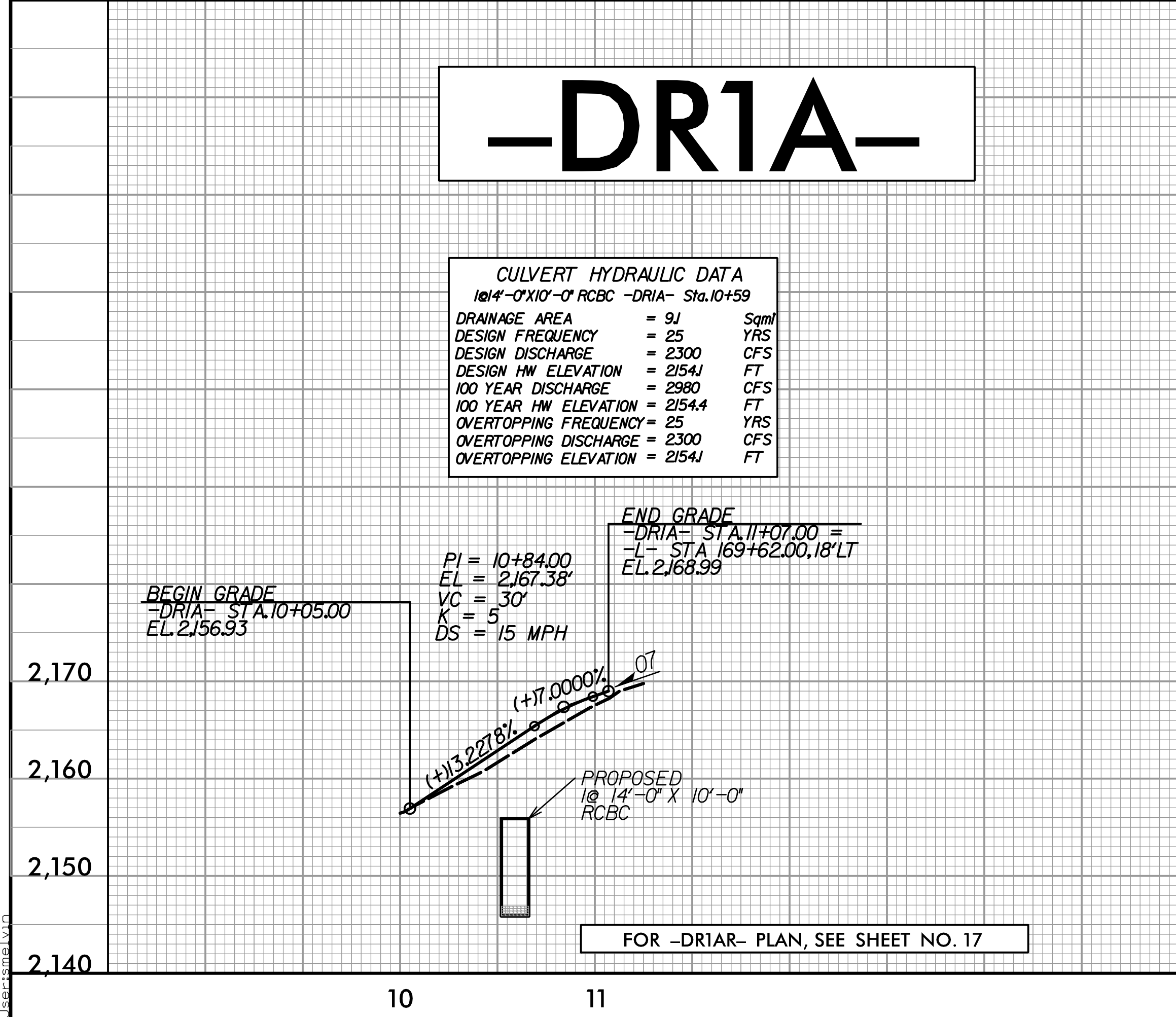


FOR -Y1- PLAN, SEE SHEET NO. 5

-DR1A-

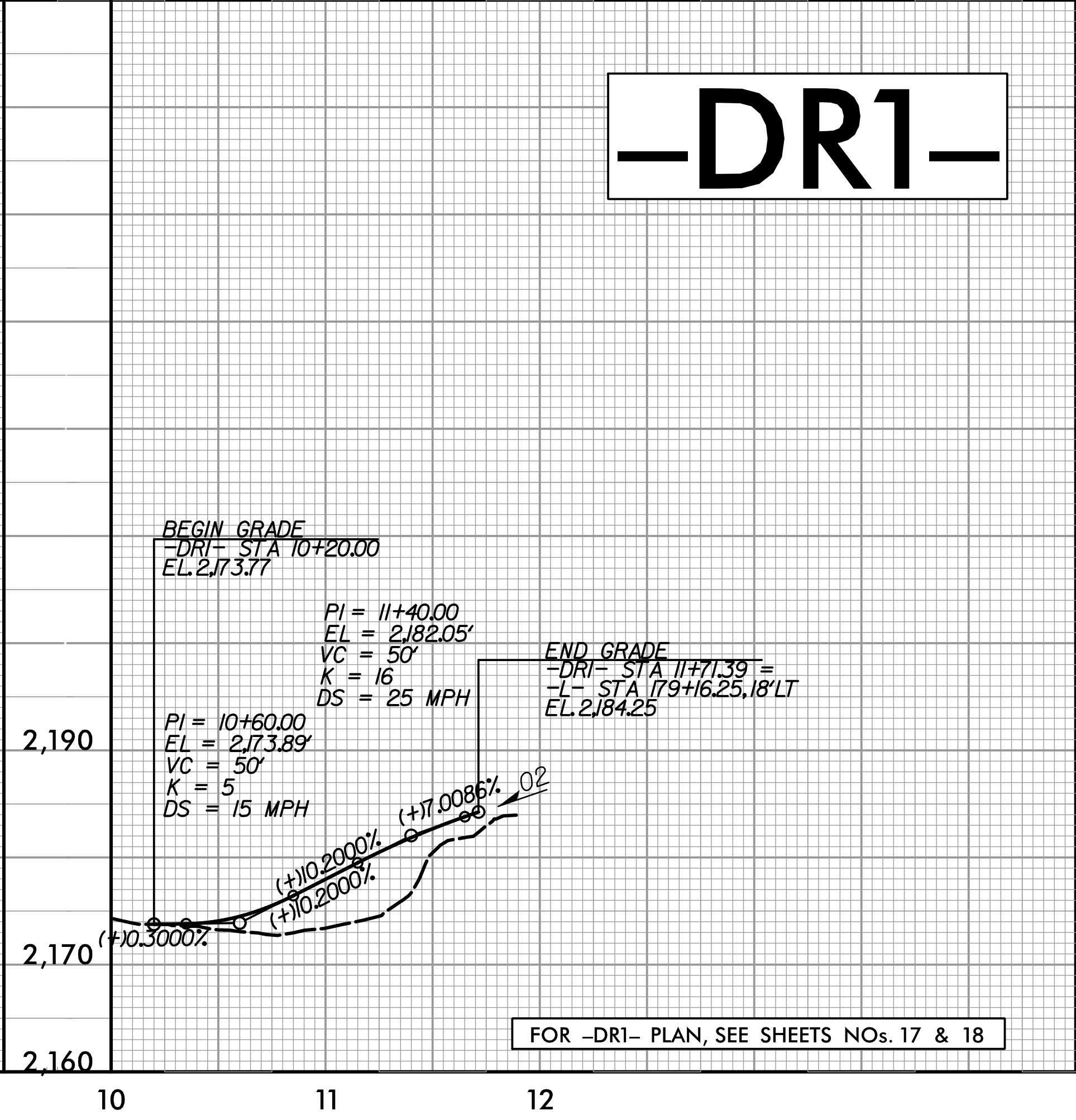
CULVERT HYDRAULIC DATA
10'-0" X 10'-0" RCBC -DR1A- Sta. 10+59

DRAINAGE AREA	= 9J	Sqmi
DESIGN FREQUENCY	= 25	YRS
DESIGN DISCHARGE	= 2300	CFS
DESIGN HW ELEVATION	= 2154J	FT
100 YEAR DISCHARGE	= 2980	CFS
100 YEAR HW ELEVATION	= 2154.4	FT
OVERTOPPING FREQUENCY	= 25	YRS
OVERTOPPING DISCHARGE	= 2300	CFS
OVERTOPPING ELEVATION	= 2154J	FT



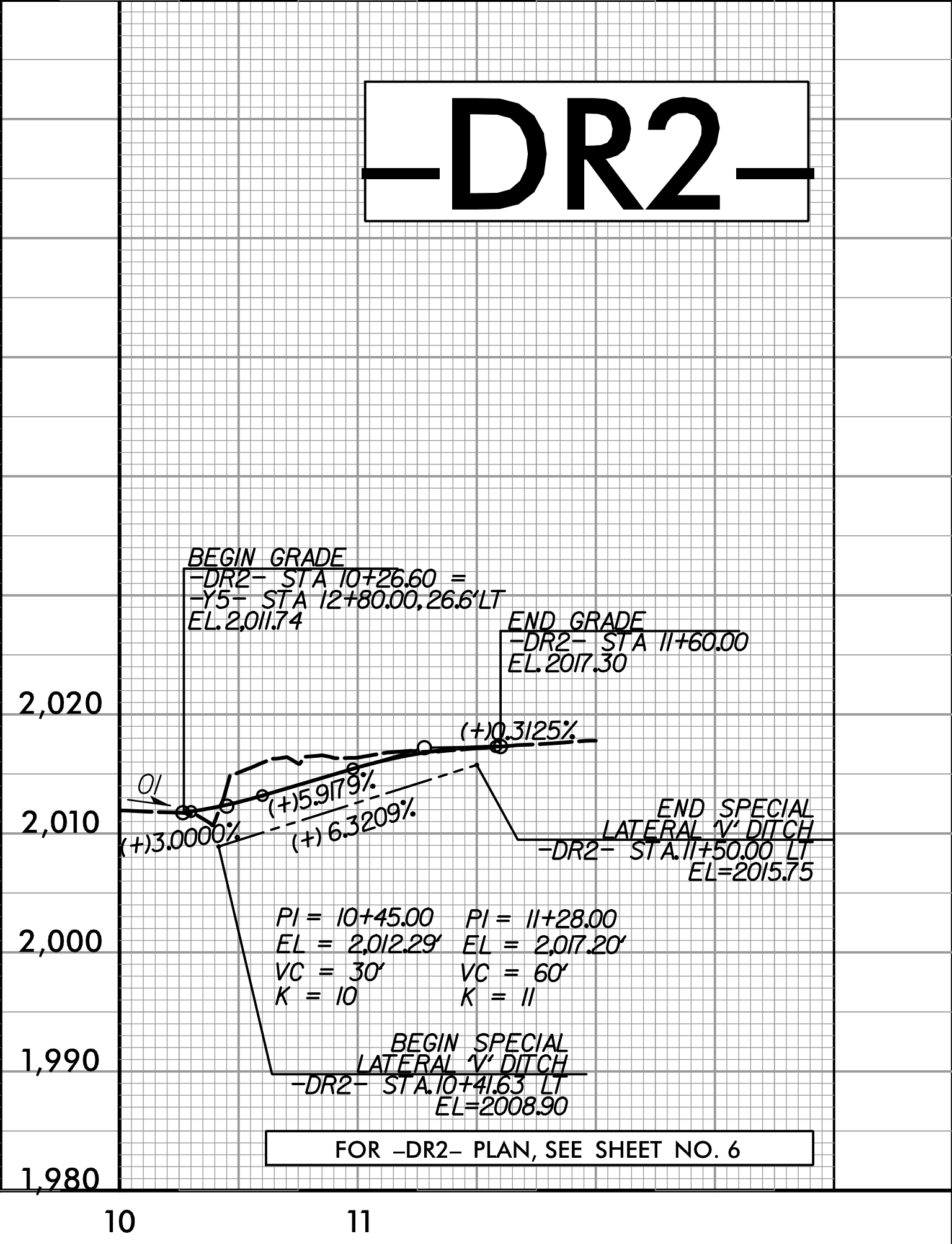
FOR -DR1A- PLAN, SEE SHEET NO. 17

-DR1-



FOR -DR1- PLAN, SEE SHEETS NOS. 17 & 18

-DR2-



FOR -DR2- PLAN, SEE SHEET NO. 6

5/10/2024 A-0009CA-0009CA Plan Sheets\A-0009CA-0009CA_Rdy_pfl_Sheets.dgn