

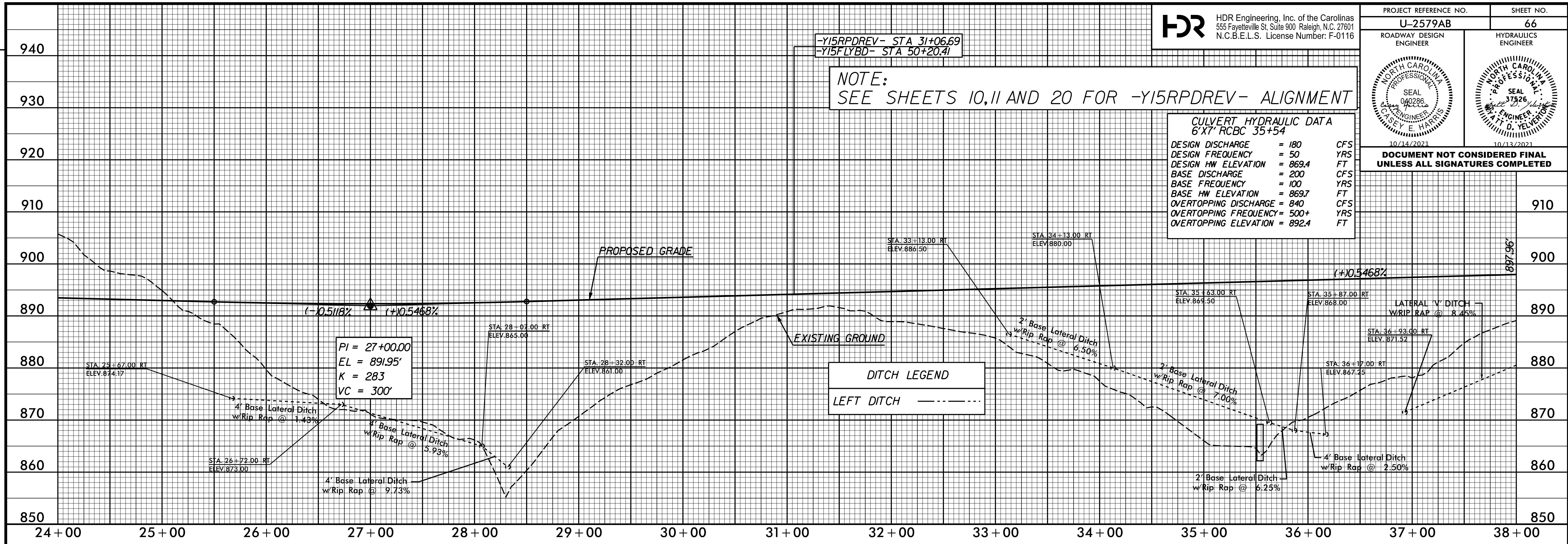
PROJECT REFERENCE NO. <b>U-2579AB</b>	SHEET NO. <b>66</b>
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

**NOTE:**  
SEE SHEETS 10, 11 AND 20 FOR -Y15RPDREV- ALIGNMENT

**CULVERT HYDRAULIC DATA**  
6'X7' RCBC 35+54

DESIGN DISCHARGE	= 180	CFS
DESIGN FREQUENCY	= 50	YRS
DESIGN HW ELEVATION	= 869.4	FT
BASE DISCHARGE	= 200	CFS
BASE FREQUENCY	= 100	YRS
BASE HW ELEVATION	= 869.7	FT
OVERTOPPING DISCHARGE	= 840	CFS
OVERTOPPING FREQUENCY	= 500+	YRS
OVERTOPPING ELEVATION	= 892.4	FT

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



**DITCH LEGEND**  
LEFT DITCH

PI = 27+00.00  
EL = 891.95'  
K = 283  
VC = 300'

PI = 47+05.00  
EL = 902.91'  
K = 581  
VC = 640'

END PROFILE -Y15RPDREV- STA 51+72.47 =  
-Y15REV- STA 65+23.74 59.00' LT  
ELEV = 900.32'

**NOTE:**  
SEE SHEET 10, 11, & 20 FOR -Y15RPDREV- ALIGNMENT

REVISIONS  
PLOT DRIVER: NCDOT\_pdf\_color\_eng\_50.plt  
PENTABLE: NCDOT\_pshpfl\_conventional.tbl  
USER: CHARRIS  
DATE: 7/13/2021  
TIME: 3:26:40 PM  
FILE: NCDOT\NCDOT-U2579AB\6.0.CAD.BTM\6.2.Work\In\_Progress\U-2579AB\Roadway\Proj\U2579ab\_r\_dy\_pshp.fl.66.dgn