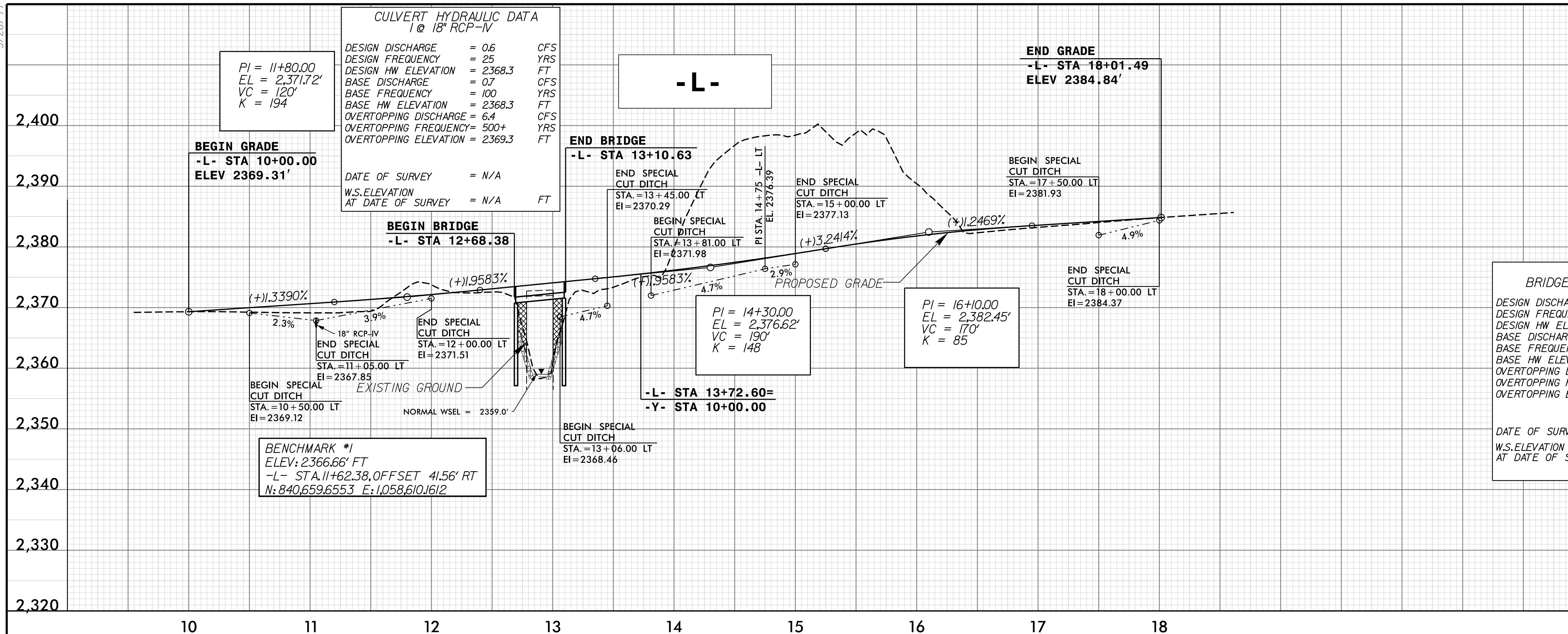


5/28/2023

PROJECT REFERENCE NO. <b>B-5893</b>	SHEET NO. <b>5</b>
ROADWAY DESIGN ENGINEER 2023 SEAL 043139 HOLLY E. CHRISTENBURY	HYDRAULICS ENGINEER 2023 SEAL 032312 CHARLES W. HEAFNER
<b>DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED</b>	



**CULVERT HYDRAULIC DATA**  
1 @ 18" RCP-IV

DESIGN DISCHARGE = 0.6 CFS  
DESIGN FREQUENCY = 25 YRS  
DESIGN HW ELEVATION = 2368.3 FT  
BASE DISCHARGE = 0.7 CFS  
BASE FREQUENCY = 100 YRS  
BASE HW ELEVATION = 2368.3 FT  
OVERTOPPING DISCHARGE = 6.4 CFS  
OVERTOPPING FREQUENCY = 500+ YRS  
OVERTOPPING ELEVATION = 2369.3 FT

DATE OF SURVEY = N/A  
W.S. ELEVATION AT DATE OF SURVEY = N/A FT

PI = 11+80.00  
EL = 2,371.72'  
VC = 120'  
K = 194

PI = 14+30.00  
EL = 2,376.62'  
VC = 190'  
K = 148

PI = 16+10.00  
EL = 2,382.45'  
VC = 170'  
K = 85

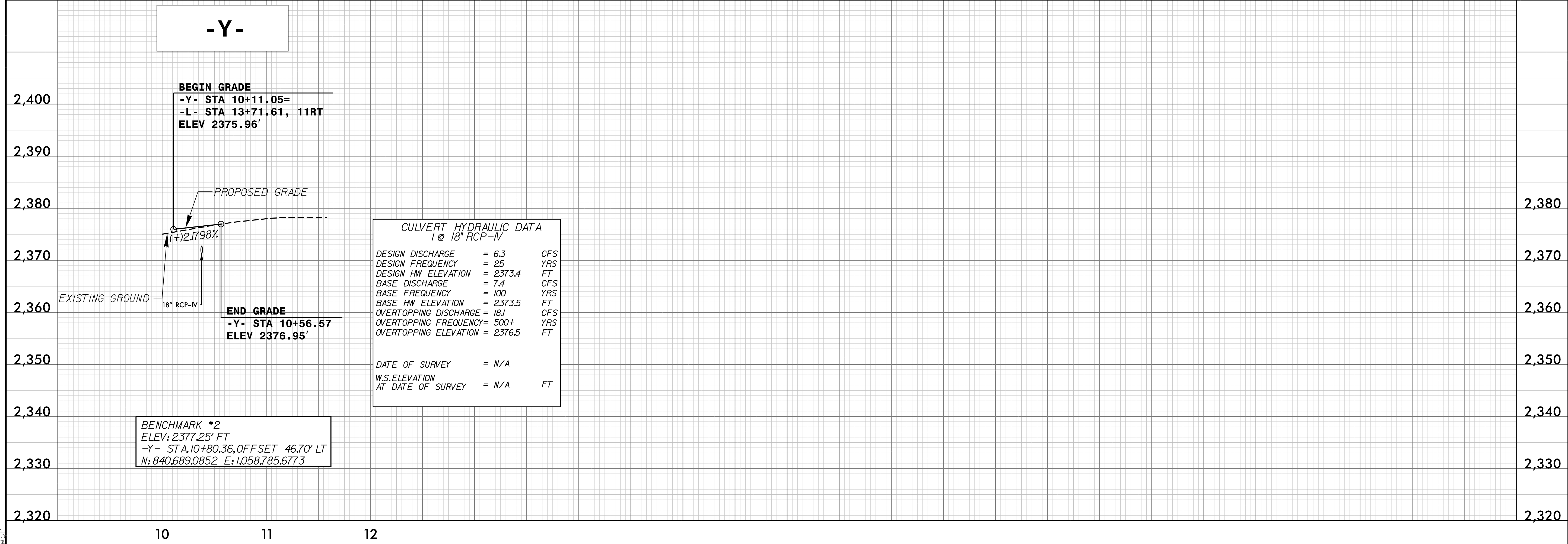
**BENCHMARK #1**  
ELEV: 2366.66' FT  
-L- STA. 11+62.38, OFFSET 41.56' RT  
N: 840,659.6553 E: 1,058,610.1612

**BRIDGE HYDRAULIC DATA**

DESIGN DISCHARGE = 1200 CFS  
DESIGN FREQUENCY = 50 YRS  
DESIGN HW ELEVATION = 2366.7 FT  
BASE DISCHARGE = 1400 CFS  
BASE FREQUENCY = 100 YRS  
BASE HW ELEVATION = 2367.3 FT  
OVERTOPPING DISCHARGE = 1900+ CFS  
OVERTOPPING FREQUENCY = 500+ YRS  
OVERTOPPING ELEVATION = 2373.6 FT

DATE OF SURVEY = 3/16/17  
W.S. ELEVATION AT DATE OF SURVEY = 2359.0 FT

DITCH LEFT - - - - -



**CULVERT HYDRAULIC DATA**  
1 @ 18" RCP-IV

DESIGN DISCHARGE = 6.3 CFS  
DESIGN FREQUENCY = 25 YRS  
DESIGN HW ELEVATION = 2373.4 FT  
BASE DISCHARGE = 7.4 CFS  
BASE FREQUENCY = 100 YRS  
BASE HW ELEVATION = 2373.5 FT  
OVERTOPPING DISCHARGE = 18J CFS  
OVERTOPPING FREQUENCY = 500+ YRS  
OVERTOPPING ELEVATION = 2376.5 FT

DATE OF SURVEY = N/A  
W.S. ELEVATION AT DATE OF SURVEY = N/A FT

**BENCHMARK #2**  
ELEV: 2377.25' FT  
-Y- STA. 10+80.36, OFFSET 46.70' LT  
N: 840,689.0852 E: 1,058,785.6773

03-MAR-2023 09:38  
C:\p\roadway\proj\182893\_Rdy\_psh\_5.dgn