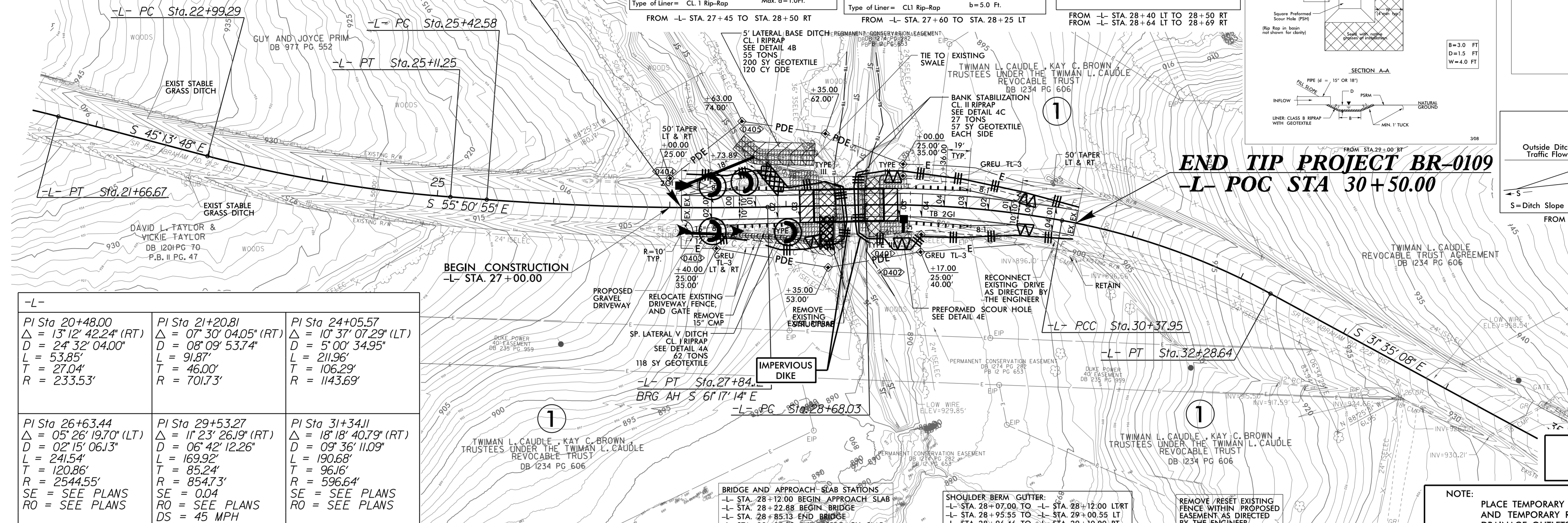


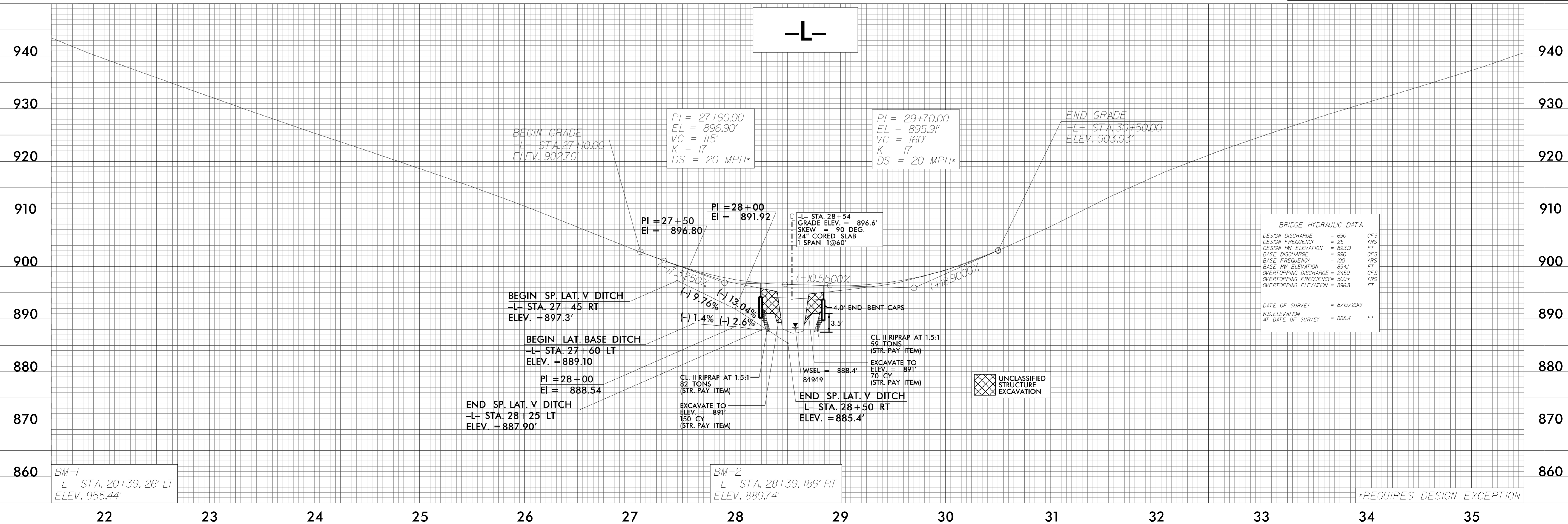
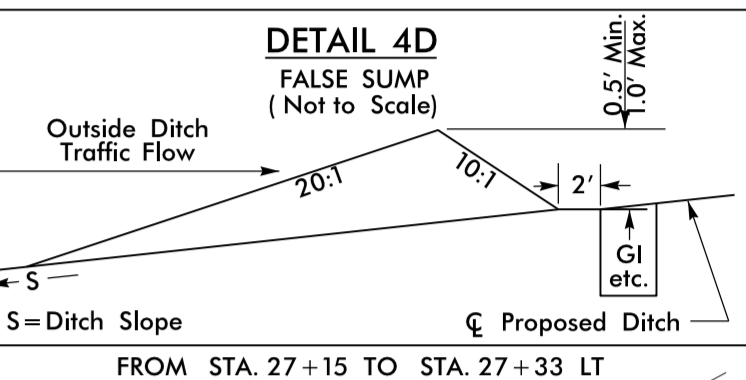
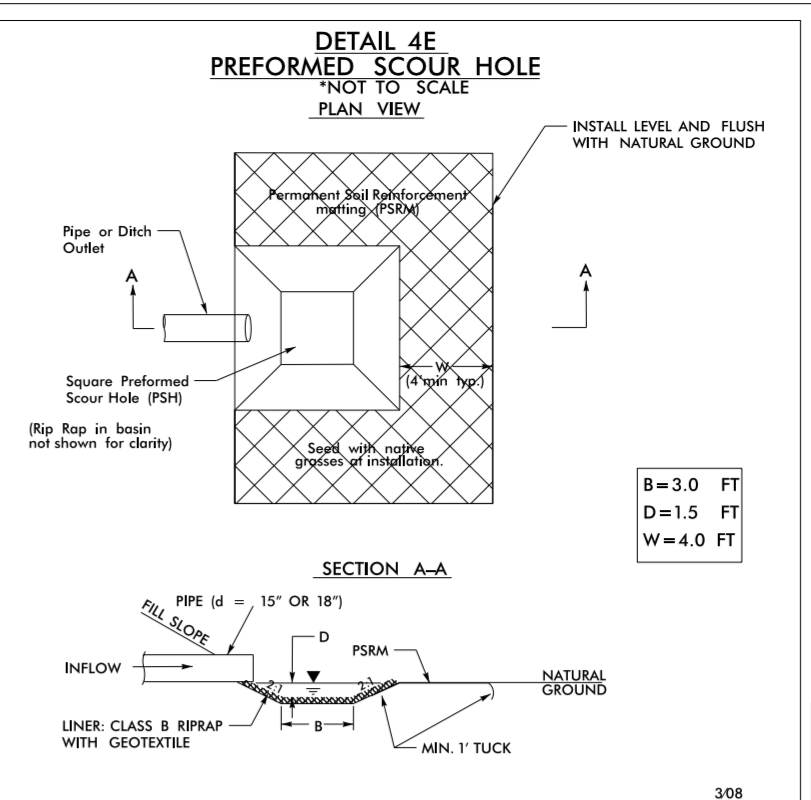
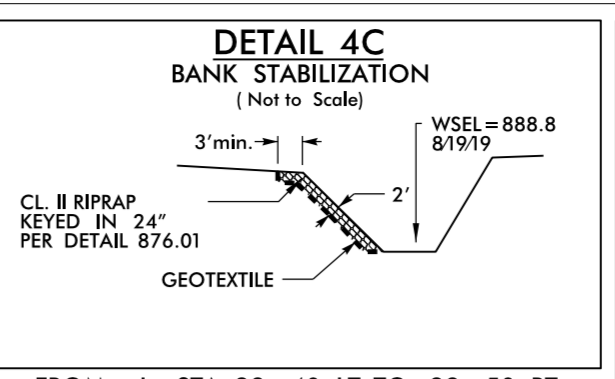
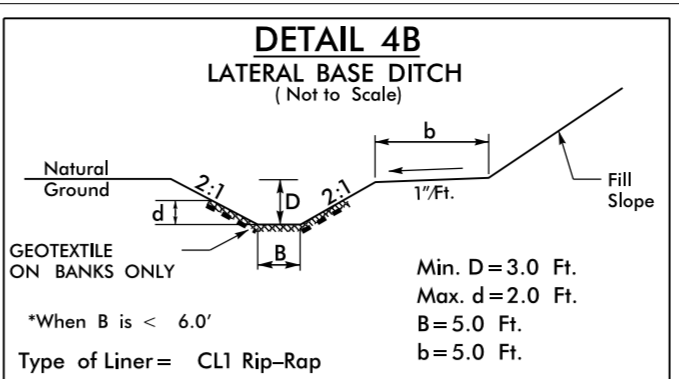
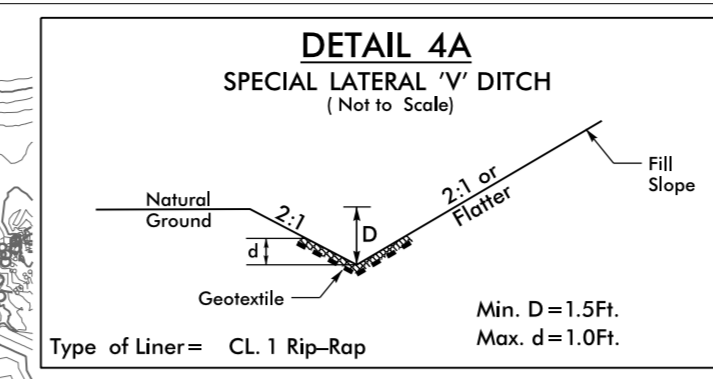
| | |
|-------------------------|---------------------|
| PROJECT REFERENCE NO. | SHEET NO. |
| BR-0109 | EC-04/CONST.04 |
| RW SHEET NO. | |
| ROADWAY DESIGN ENGINEER | HYDRAULICS ENGINEER |

BEGIN TIP PROJECT BR-0109
-L- POC STA 27+10.00

END TIP PROJECT BR-0109
-L- POC STA 30+50.00



| | | |
|--|--|--|
| -L- | | |
| PI Sta 20+48.00 Δ = 13° 12' 42.24" (RT) D = 24' 32' 04.00" L = 53.85' T = 27.04' R = 233.53' | PI Sta 21+20.81 Δ = 07° 30' 04.05" (RT) D = 08' 09' 53.74" L = 91.87' T = 46.00' R = 701.73' | PI Sta 24+05.57 Δ = 10° 37' 07.29" (LT) D = 5' 00' 34.95" L = 211.96' T = 106.29' R = 1143.69' |
| PI Sta 26+63.44 Δ = 05° 26' 19.70" (LT) D = 02' 15' 06.13" L = 241.54' T = 120.86' R = 2544.55' SE = SEE PLANS RO = SEE PLANS | PI Sta 29+53.27 Δ = 11° 23' 26.19" (RT) D = 06' 42' 12.26" L = 169.92' T = 85.24' R = 854.73' SE = 0.04 DS = 45 MPH | PI Sta 31+34.11 Δ = 18° 18' 40.79" (RT) D = 09' 36' 11.09" L = 190.68' T = 96.16' R = 596.64' SE = SEE PLANS RO = SEE PLANS |



BRIDGE HYDRAULIC DATA

| | | |
|-----------------------|---------|-----|
| DESIGN DISCHARGE | = 630 | CFS |
| DESIGN FREQUENCY | = 25 | YRS |
| DESIGN HW ELEVATION | = 893.0 | FT |
| BASE DISCHARGE | = 990 | CFS |
| BASE FREQUENCY | = 100 | YRS |
| BASE HW ELEVATION | = 894.1 | FT |
| OVERTOPPING DISCHARGE | = 2450 | CFS |
| OVERTOPPING FREQUENCY | = 500+ | YRS |
| OVERTOPPING ELEVATION | = 896.8 | FT |

DATE OF SURVEY = 8/19/2019
W.S. ELEVATION AT DATE OF SURVEY = 888.4 FT

REVISIONS

2/16/2024 8:52:40 AM
JIS:ELC:abn:agor

*REQUIRES DESIGN EXCEPTION