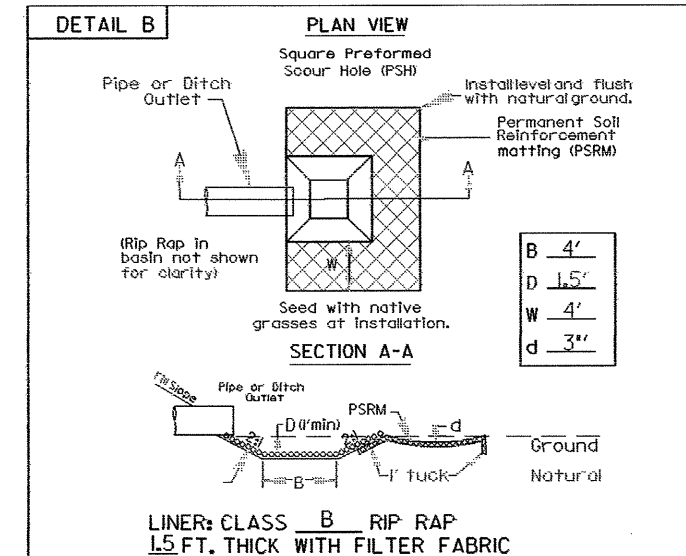
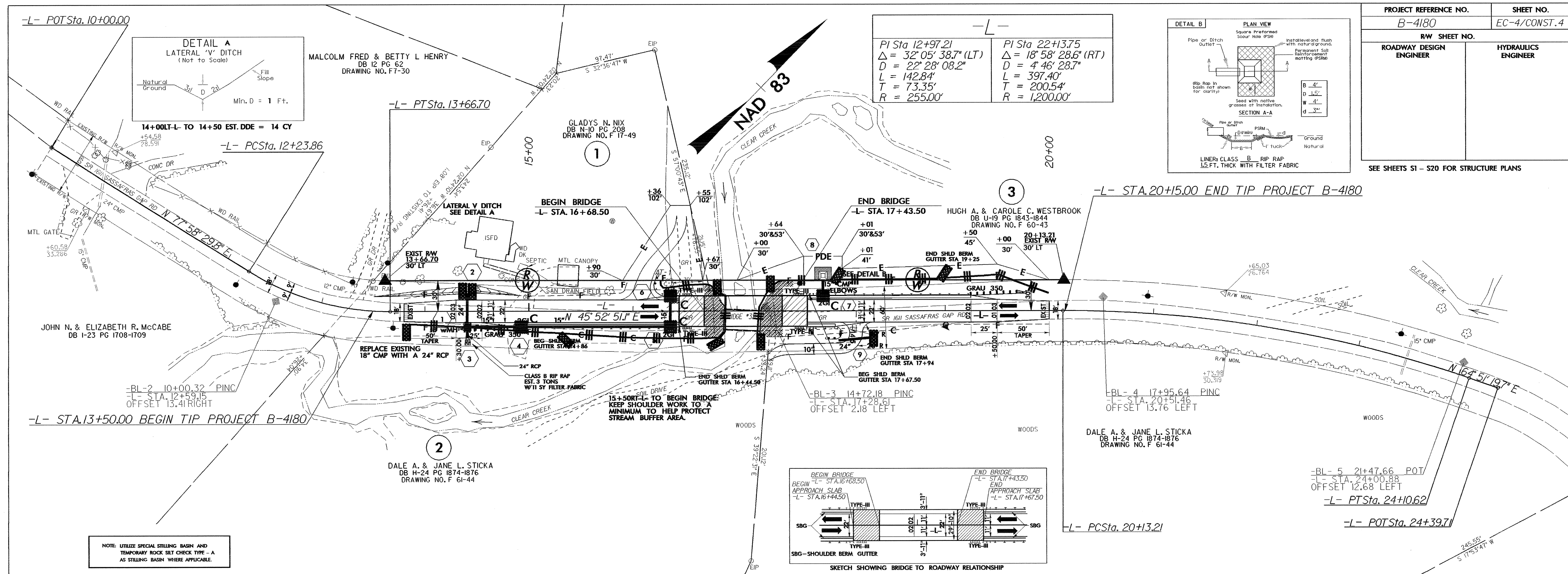


| | |
|-------------------------|---------------------|
| PROJECT REFERENCE NO. | SHEET NO. |
| B-4180 | EC-4/CONST.4 |
| RW SHEET NO. | HYDRAULICS ENGINEER |
| ROADWAY DESIGN ENGINEER | |

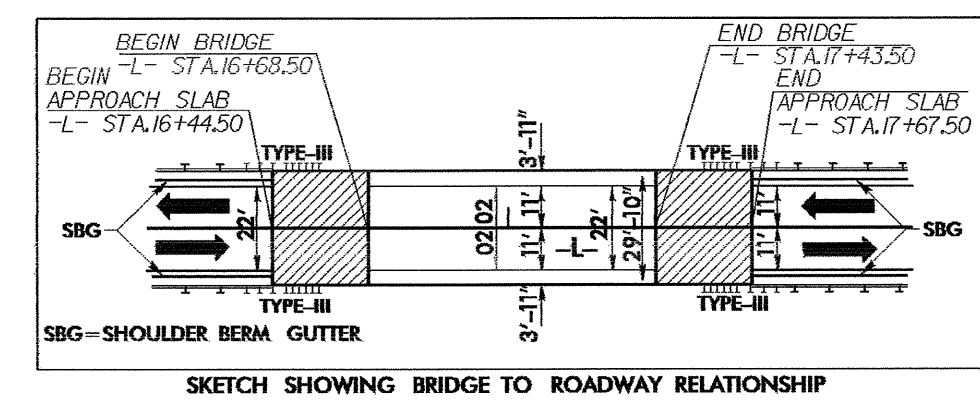
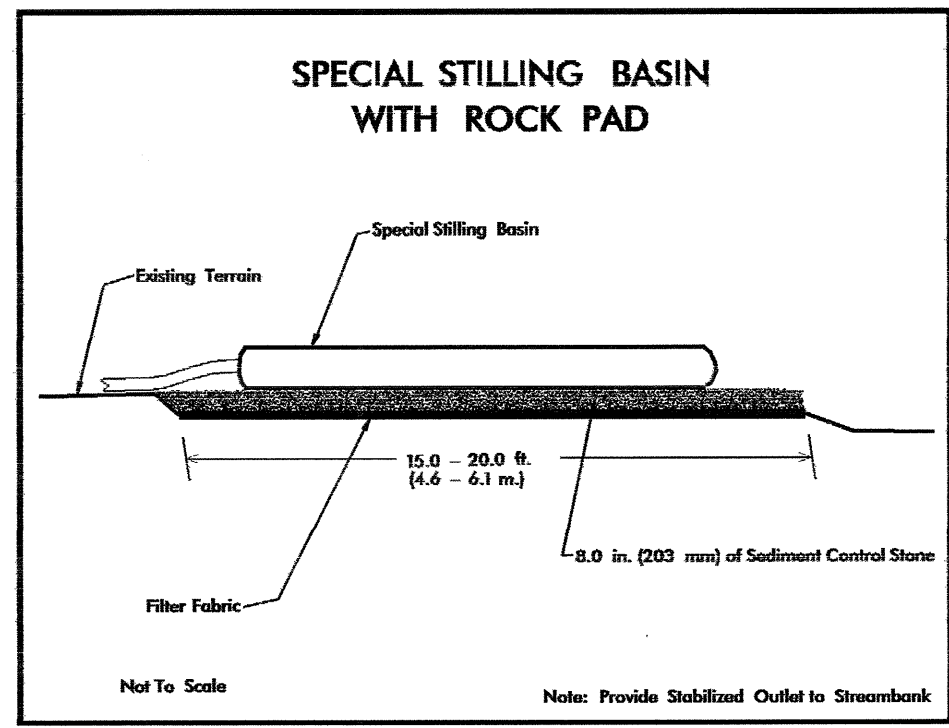


$PI\ Sta\ 12+97.21$
 $\Delta = 32^{\circ}05'38.7'' (LT)$
 $D = 22^{\circ}28'08.2''$
 $L = 142.84'$
 $T = 73.35'$
 $R = 255.00'$

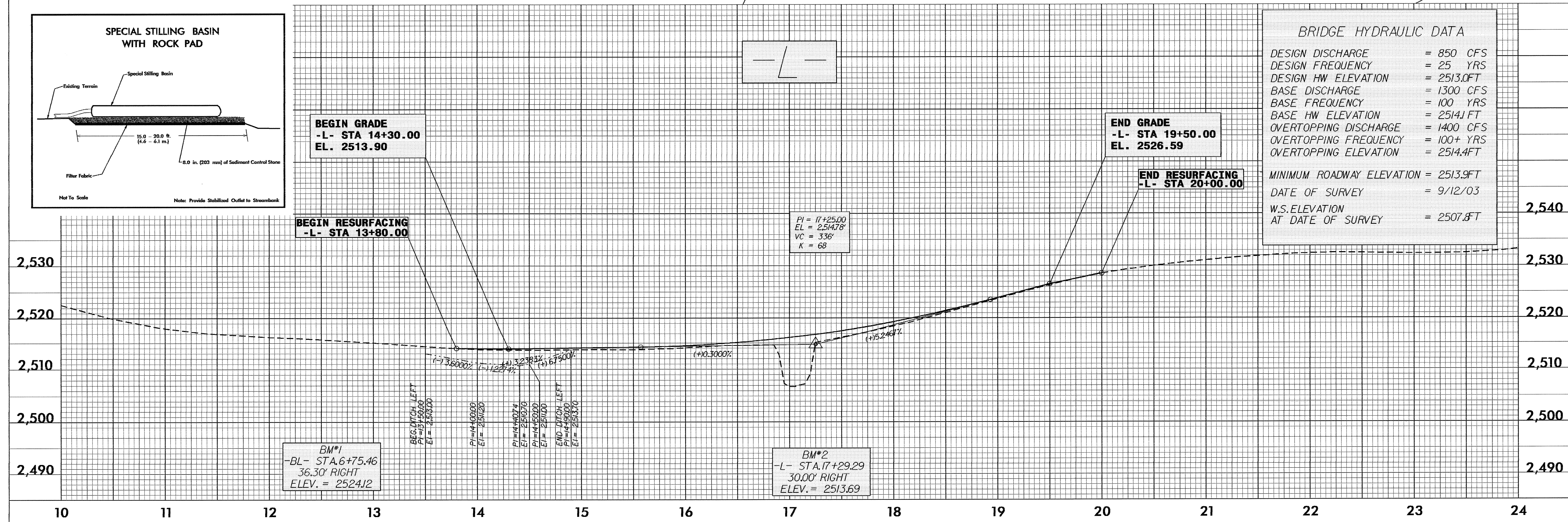
$PI\ Sta\ 22+13.75$
 $\Delta = 18^{\circ}58'28.6'' (RT)$
 $D = 4^{\circ}46'28.7''$
 $L = 397.40'$
 $T = 200.54'$
 $R = 1,200.00'$



NOTE: UTILIZE SPECIAL STILLING BASIN AND TEMPORARY ROCK SILT CHECK TYPE - A AS STILLING BASIN WHERE APPLICABLE.



| BRIDGE HYDRAULIC DATA | |
|----------------------------------|-------------|
| DESIGN DISCHARGE | = 850 CFS |
| DESIGN FREQUENCY | = 25 YRS |
| DESIGN HW ELEVATION | = 2513.0 FT |
| BASE DISCHARGE | = 1300 CFS |
| BASE FREQUENCY | = 100 YRS |
| BASE HW ELEVATION | = 2514.1 FT |
| OVERTOPPING DISCHARGE | = 1400 CFS |
| OVERTOPPING FREQUENCY | = 100+ YRS |
| OVERTOPPING ELEVATION | = 2514.4 FT |
| MINIMUM ROADWAY ELEVATION | = 2513.9 FT |
| DATE OF SURVEY | = 9/12/03 |
| W.S. ELEVATION AT DATE OF SURVEY | = 2507.8 FT |



BEGIN GRADE
 -L- STA 14+30.00
 EL. 2513.90

BEGIN RESURFACING
 -L- STA 13+80.00

END GRADE
 -L- STA 19+50.00
 EL. 2526.59

END RESURFACING
 -L- STA 20+00.00

BM*1
 -L- STA. 6+75.46
 36.30' RIGHT
 ELEV. = 2524.12

BM*2
 -L- STA. 17+29.29
 30.00' RIGHT
 ELEV. = 2513.69

BEG. DITCH LEFT
 PI = 13+50.00
 EI = 2515.00

PI = 14+00.00
 EI = 2516.20

PI = 14+07.4
 EI = 2516.70

PI = 14+50.00
 EI = 2517.00

END DITCH LEFT
 PI = 14+90.00
 EI = 2513.70

PI = 17+25.00
 EL = 2514.78
 VC = 336'
 K = 68