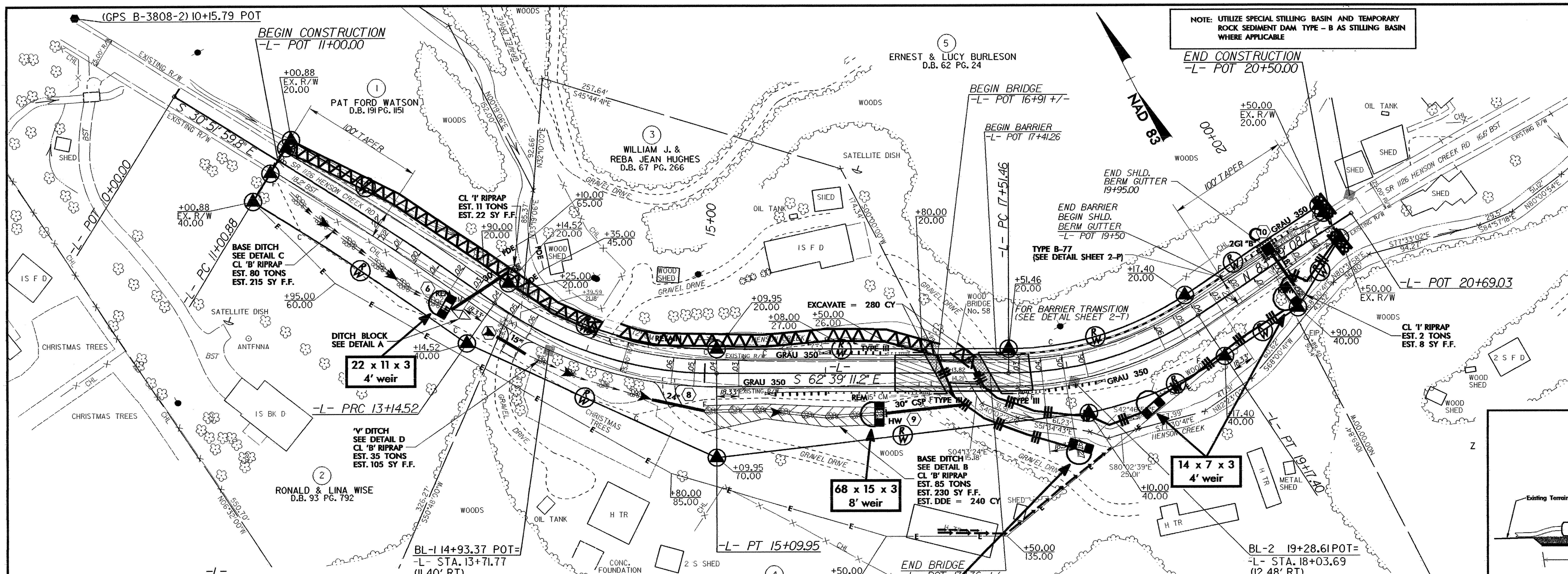
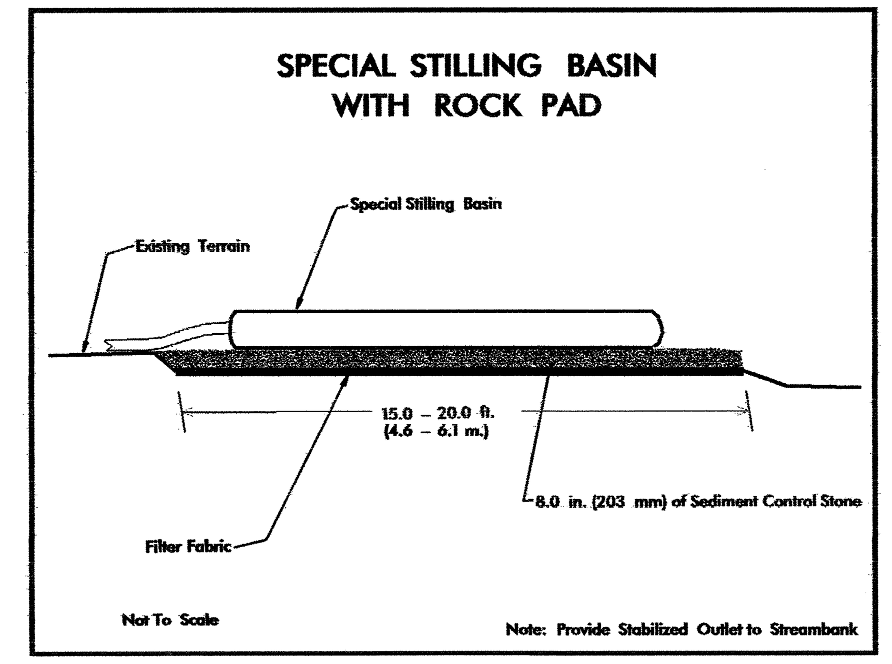
PROJECT REFERENCE NO.	SHEET NO.
B-3808	EC-5/CONST.4
R/W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

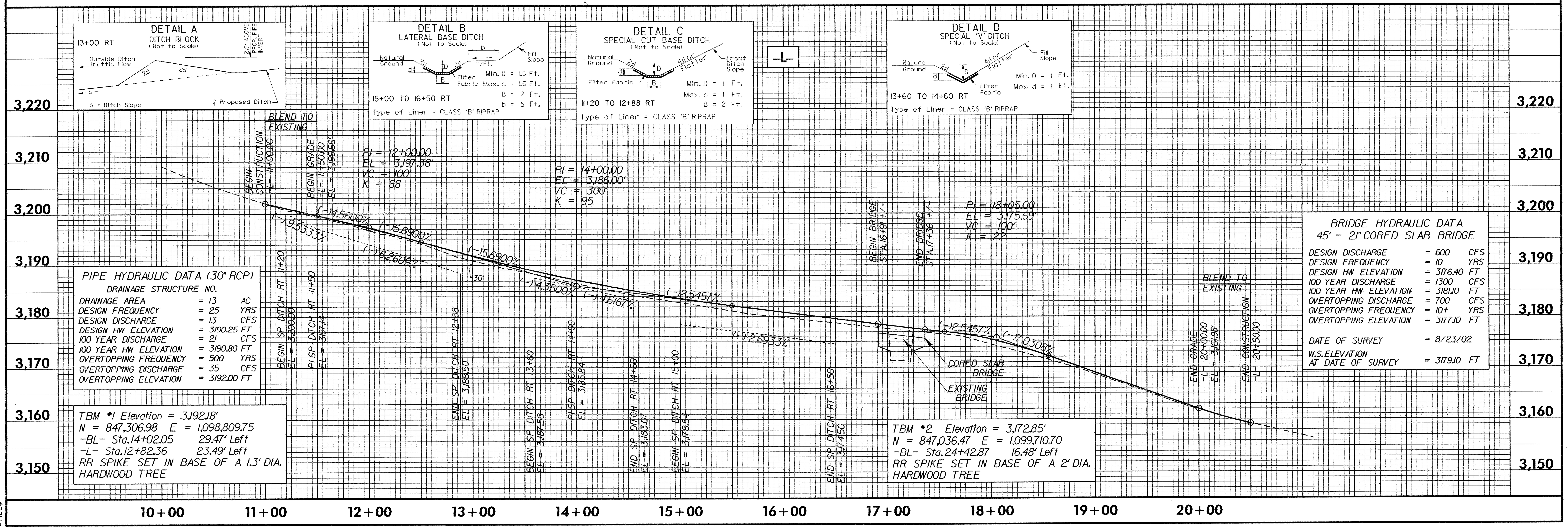
NOTE: UTILIZE SPECIAL STILLING BASIN AND TEMPORARY ROCK SEDIMENT DAM TYPE – B AS STILLING BASIN WHERE APPLICABLE





-L-

PI Sta 12+07.73	PI Sta 14+15.39	PI Sta 18+36.86
△ = 3° 12' 16.5" (RT)	△ = 34° 59' 27.9" (LT)	△ = 33° 21' 40.1" (LT)
D = 1° 30' 00.0"	D = 17° 54' 17.8"	D = 20° 06' 13.6"
L = 213.64'	L = 195.43'	L = 165.94'
T = 106.85'	T = 100.87'	T = 85.40'
R = 3,819.72'	R = 320.00'	R = 285.00'
Se = NC	Se = 0.06	Se = 0.06



PIPE HYDRAULIC DATA (30" RCP)

DRAINAGE STRUCTURE NO.

DRAINAGE AREA	= 13	AC
DESIGN FREQUENCY	= 25	YRS
DESIGN DISCHARGE	= 13	CFS
DESIGN HW ELEVATION	= 3190.25	FT
100 YEAR DISCHARGE	= 21	CFS
100 YEAR HW ELEVATION	= 3190.80	FT
OVERTOPPING FREQUENCY	= 500	YRS
OVERTOPPING DISCHARGE	= 35	CFS
OVERTOPPING ELEVATION	= 3192.00	FT

TBM #1 Elevation = 3,192.18'
N = 847,306.98 E = 1,098,809.75
-BL- Sta.14+02.05 29.47' Left
-L- Sta.12+82.36 23.49' Left
RR SPIKE SET IN BASE OF A 1.3' DIA. HARDWOOD TREE

TBM #2 Elevation = 3,172.85'
N = 847,036.47 E = 1,099,710.70
-BL- Sta.24+42.87 16.48' Left
RR SPIKE SET IN BASE OF A 2' DIA. HARDWOOD TREE

BRIDGE HYDRAULIC DATA
45' – 21" CORED SLAB BRIDGE

DESIGN DISCHARGE	= 600	CFS
DESIGN FREQUENCY	= 10	YRS
DESIGN HW ELEVATION	= 3176.40	FT
100 YEAR DISCHARGE	= 1300	CFS
100 YEAR HW ELEVATION	= 3181.10	FT
OVERTOPPING DISCHARGE	= 700	CFS
OVERTOPPING FREQUENCY	= 10+	YRS
OVERTOPPING ELEVATION	= 3177.10	FT
DATE OF SURVEY	= 8/23/02	
W.S. ELEVATION AT DATE OF SURVEY	= 3179.10	FT

$TIME$
$DATE$
$FILE$