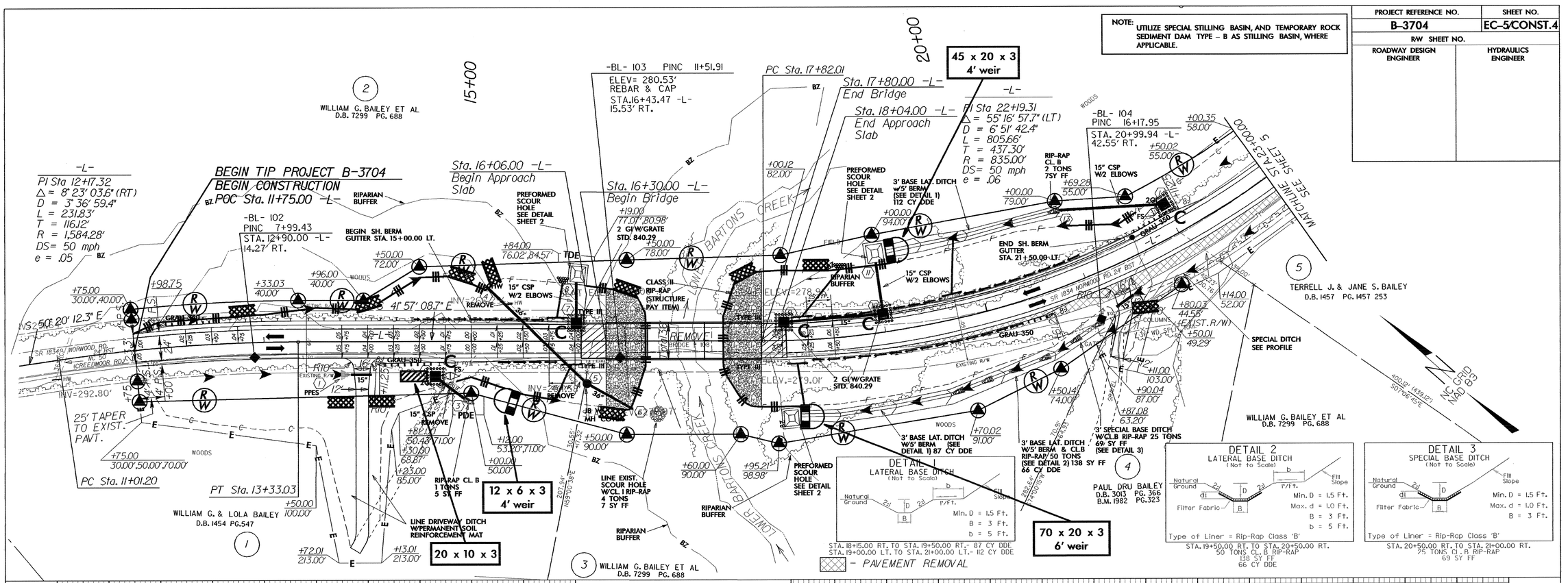
PROJECT REFERENCE NO.	SHEET NO.
B-3704	EC-5/CONST.4
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

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



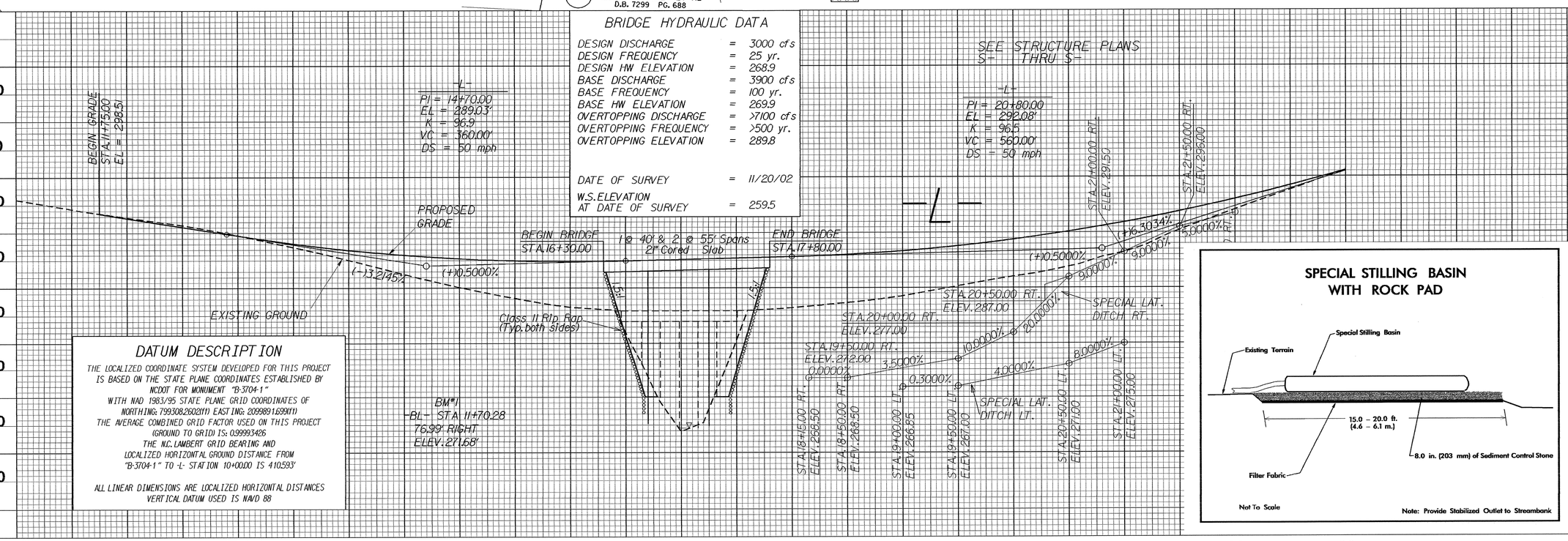
BRIDGE HYDRAULIC DATA

DESIGN DISCHARGE	=	3000 cfs
DESIGN FREQUENCY	=	25 yr.
DESIGN HW ELEVATION	=	268.9
BASE DISCHARGE	=	3900 cfs
BASE FREQUENCY	=	100 yr.
BASE HW ELEVATION	=	269.9
OVERTOPPING DISCHARGE	=	>7100 cfs
OVERTOPPING FREQUENCY	=	>500 yr.
OVERTOPPING ELEVATION	=	289.8
DATE OF SURVEY	=	11/20/02
W.S. ELEVATION AT DATE OF SURVEY	=	259.5

DATUM DESCRIPTION

THE LOCALIZED COORDINATE SYSTEM DEVELOPED FOR THIS PROJECT IS BASED ON THE STATE PLANE COORDINATES ESTABLISHED BY NCDOT FOR MONUMENT "B-3704-1" WITH NAD 1983/95 STATE PLANE GRID COORDINATES OF NORTHING: 799308.26021(ft) EASTING: 2099891.693(ft) THE AVERAGE COMBINED GRID FACTOR USED ON THIS PROJECT (GROUND TO GRID) IS: 0.99993426 THE NC. LAMBERT GRID BEARING AND LOCALIZED HORIZONTAL GROUND DISTANCE FROM "B-3704-1" TO -L- STATION 10+00.00 IS 410.593'

ALL LINEAR DIMENSIONS ARE LOCALIZED HORIZONTAL DISTANCES
VERTICAL DATUM USED IS NAVD 88



SPECIAL STILLING BASIN WITH ROCK PAD