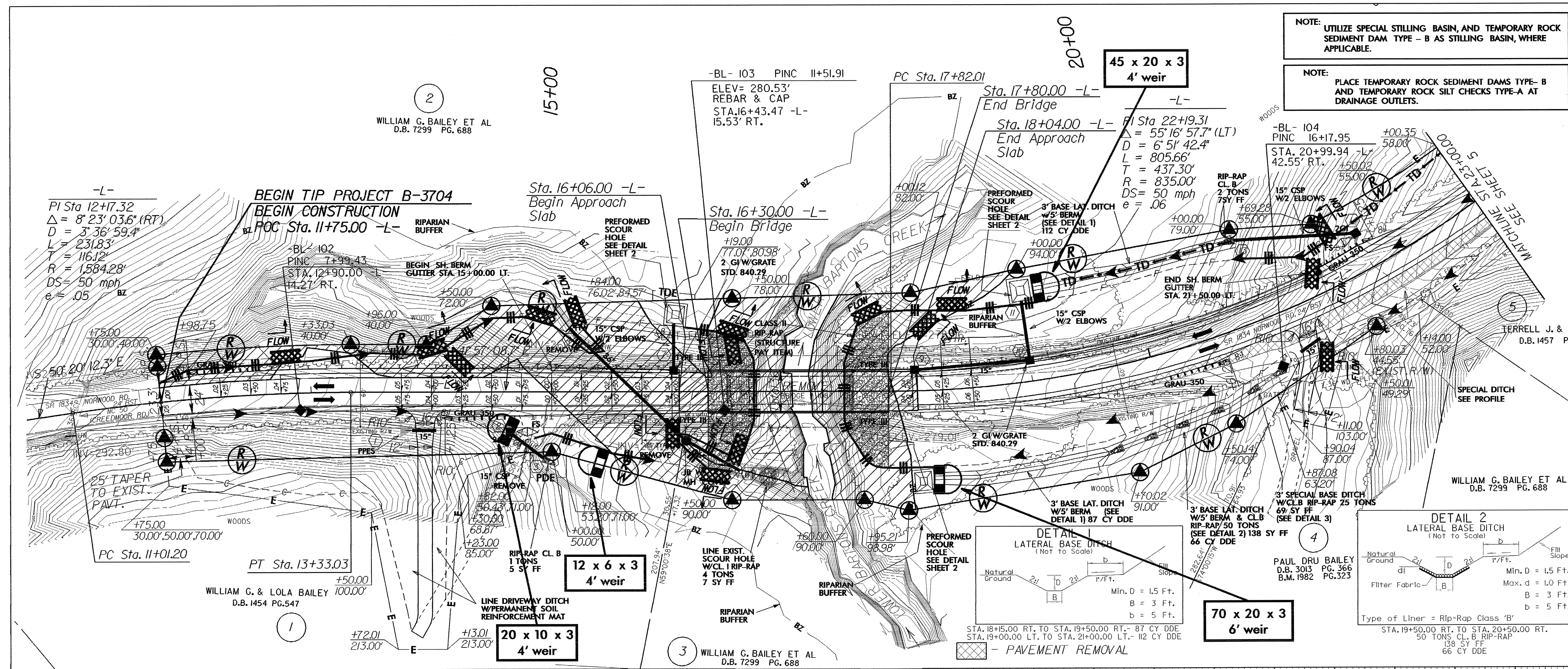


CLEARING AND GRUBBING EROSION CONTROL FOR CONSTRUCTION SHEET 4

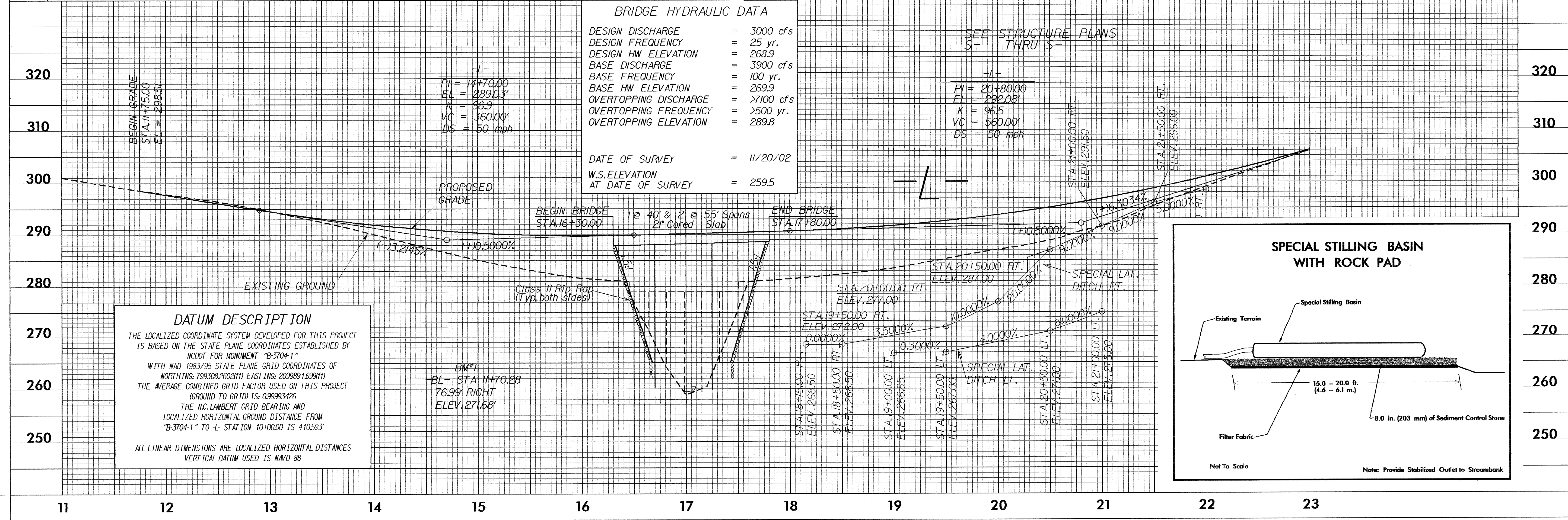


BRIDGE HYDRAULIC DATA

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

SEE STRUCTURE PLANS S- THRU S-

PI = 20+80.00
EL = 292.08'
K = 96.5
VC = 560.00'
DS = 50 mph



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: 799308.2602(11) EASTING: 209989.1699(11) THE AVERAGE COMBINED GRID FACTOR USED ON THIS PROJECT (GROUND TO GRID) IS: 0.99993426 THE N.C. 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

