| PROJECT REFERENCE NO. | SHEET NO. |
|---|---|
| B-4009 | EC-6/CONST.-5 |
| R/W SHEET NO. | |
| ROADWAY DESIGN ENGINEER | HYDRAULICS ENGINEER |
| | |

PI Sta 21+93.76
△ = 29° 11' 43.4" (RT)
D = 1° 15' 00.0"
L = 2,335.63'
T = 1193.76'
R = 4,583.66'
SE = 04
DS = 60 MPH

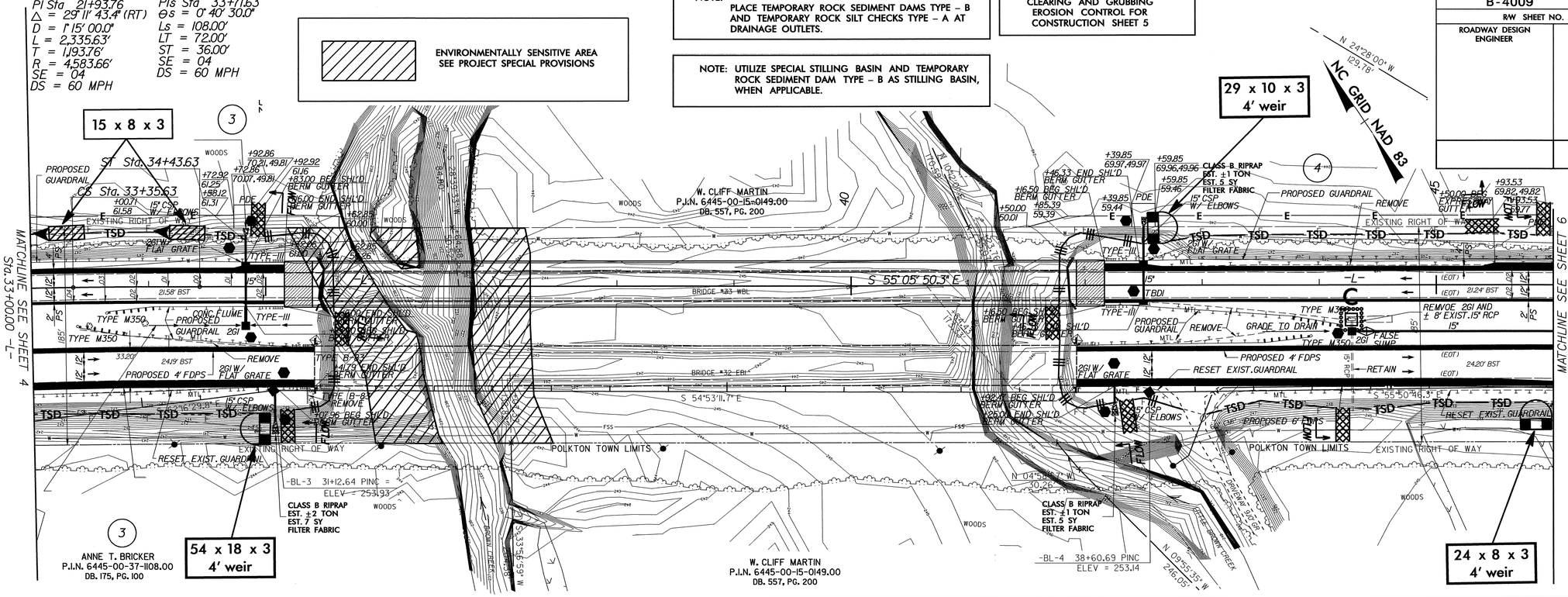
PIs Sta 33+71.63
θs = 0° 40' 30.0"
Ls = 108.00'
LT = 72.00'
ST = 36.00'
SE = 04
DS = 60 MPH

ENVIRONMENTALLY SENSITIVE AREA
SEE PROJECT SPECIAL PROVISIONS

**NOTE:** PLACE TEMPORARY ROCK SEDIMENT DAMS TYPE – B AND TEMPORARY ROCK SILT CHECKS TYPE – A AT DRAINAGE OUTLETS.

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

CLEARING AND GRUBBING EROSION CONTROL FOR CONSTRUCTION SHEET 5



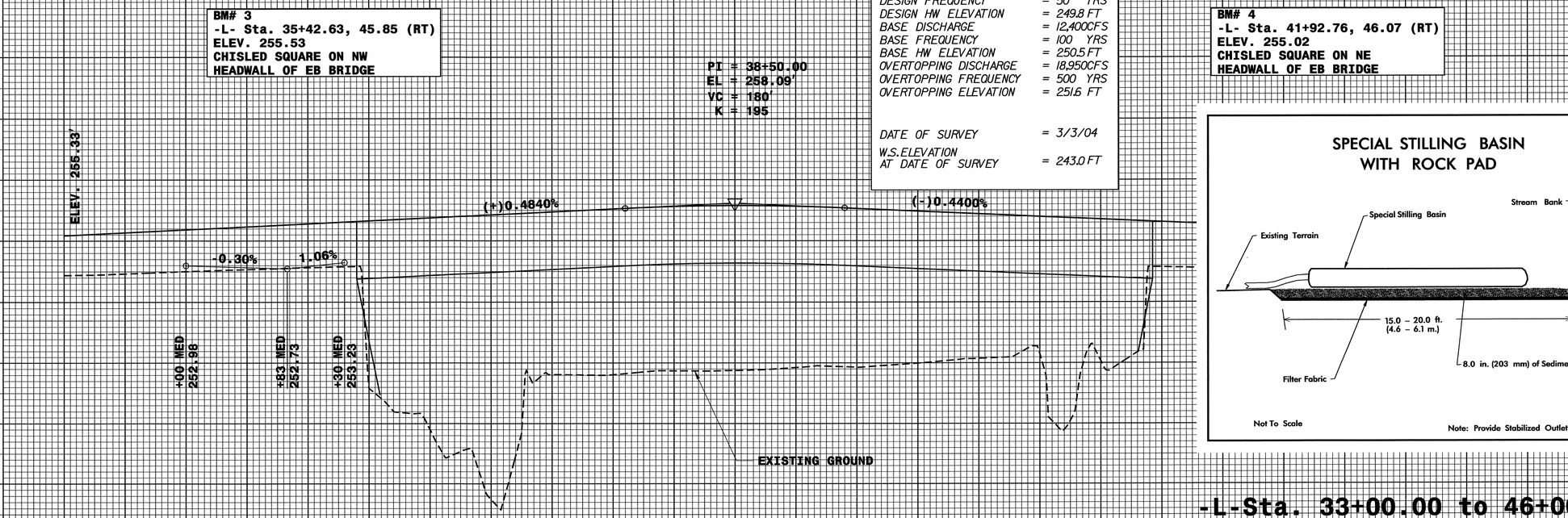

BM# 3
-L- Sta. 35+42.63, 45.85 (RT)
ELEV. 255.53
CHISLED SQUARE ON NW
HEADWALL OF EB BRIDGE

PI = 38+50.00
EL = 258.09'
VC = 180'
K = 195

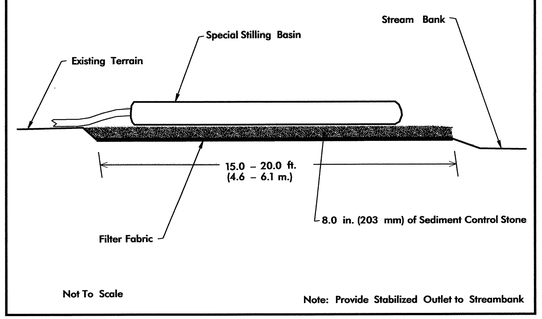
## BRIDGE HYDRAULIC DATA

| | |
|---|---|
| DESIGN DISCHARGE | = 10,140 CFS |
| DESIGN FREQUENCY | = 50 YRS |
| DESIGN HW ELEVATION | = 249.8 FT |
| BASE DISCHARGE | = 12,400CFS |
| BASE FREQUENCY | = 100 YRS |
| BASE HW ELEVATION | = 250.5 FT |
| OVERTOPPING DISCHARGE | = 18,950CFS |
| OVERTOPPING FREQUENCY | = 500 YRS |
| OVERTOPPING ELEVATION | = 251.6 FT |
| DATE OF SURVEY | = 3/3/04 |
| W.S. ELEVATION AT DATE OF SURVEY | = 243.0 FT |

BM# 4
-L- Sta. 41+92.76, 46.07 (RT)
ELEV. 255.02
CHISLED SQUARE ON NE
HEADWALL OF EB BRIDGE




## SPECIAL STILLING BASIN WITH ROCK PAD




**-L-Sta. 33+00.00 to 46+00.00**