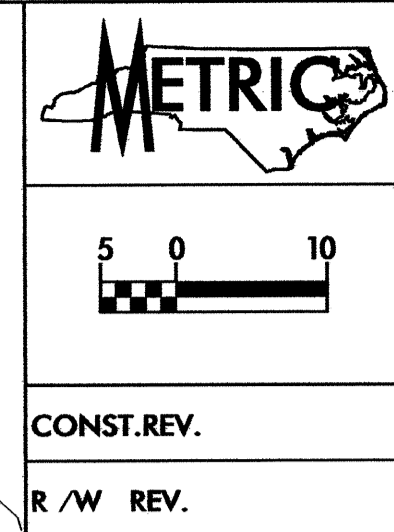
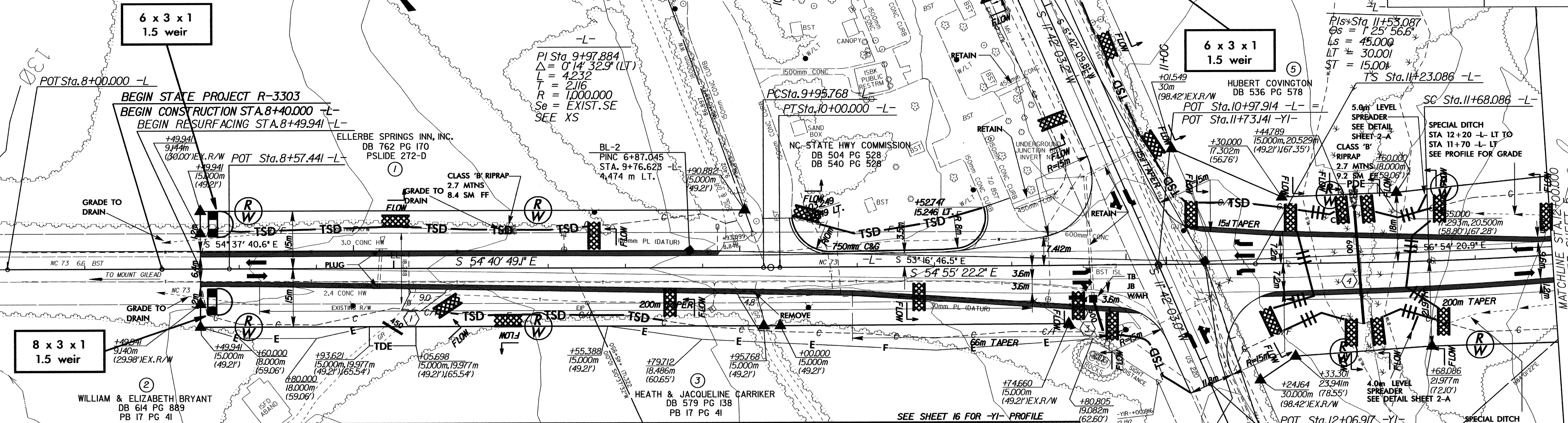


CLEARING AND GRUBBING  
EROSION CONTROL FOR  
CONSTRUCTION SHEET 4

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



PROJECT REFERENCE NO. R-3303	SHEET NO. EC-3/CONST.4
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER
CONST.REV.	
R/W REV.	



**DATUM DESCRIPTION**

THE LOCALIZED COORDINATE SYSTEM DEVELOPED FOR THIS PROJECT IS BASED ON THE STATE PLANE COORDINATES ESTABLISHED BY NCDOT FOR MONUMENT "R2231-10" WITH NAD 83 STATE PLANE GRID COORDINATES OF NORTHING: 147335.107(m) EASTING: 542189.156(m) THE AVERAGE COMBINED GRID FACTOR USED ON THIS PROJECT (GROUND TO GRID) IS: 0.999861638 THE N.C. LAMBERT GRID BEARING AND LOCALIZED HORIZONTAL GROUND DISTANCE FROM "R2231-10" TO L- STATION 44+81.486 IS S 17° 07' 32.944" E 764.122m ALL LINEAR DIMENSIONS ARE LOCALIZED HORIZONTAL DISTANCES VERTICAL DATUM USED IS NGVD 29

**PIPE HYDRAULIC DATA**

DRAINAGE STRUCTURE NO.

DRAINAGE AREA	= 58 HA
DESIGN FREQUENCY	= 50 YRS
DESIGN DISCHARGE	= 0.56 CMS
DESIGN HW ELEVATION	= 135.01 M
100 YEAR DISCHARGE	= 0.65 CMS
100 YEAR HW ELEVATION	= 135.20 M
OVERTOPPING FREQUENCY	= +200 YRS
OVERTOPPING DISCHARGE	= +0.87 CMS
OVERTOPPING ELEVATION	= 135.96 M

