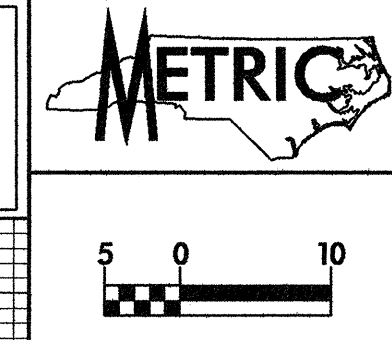
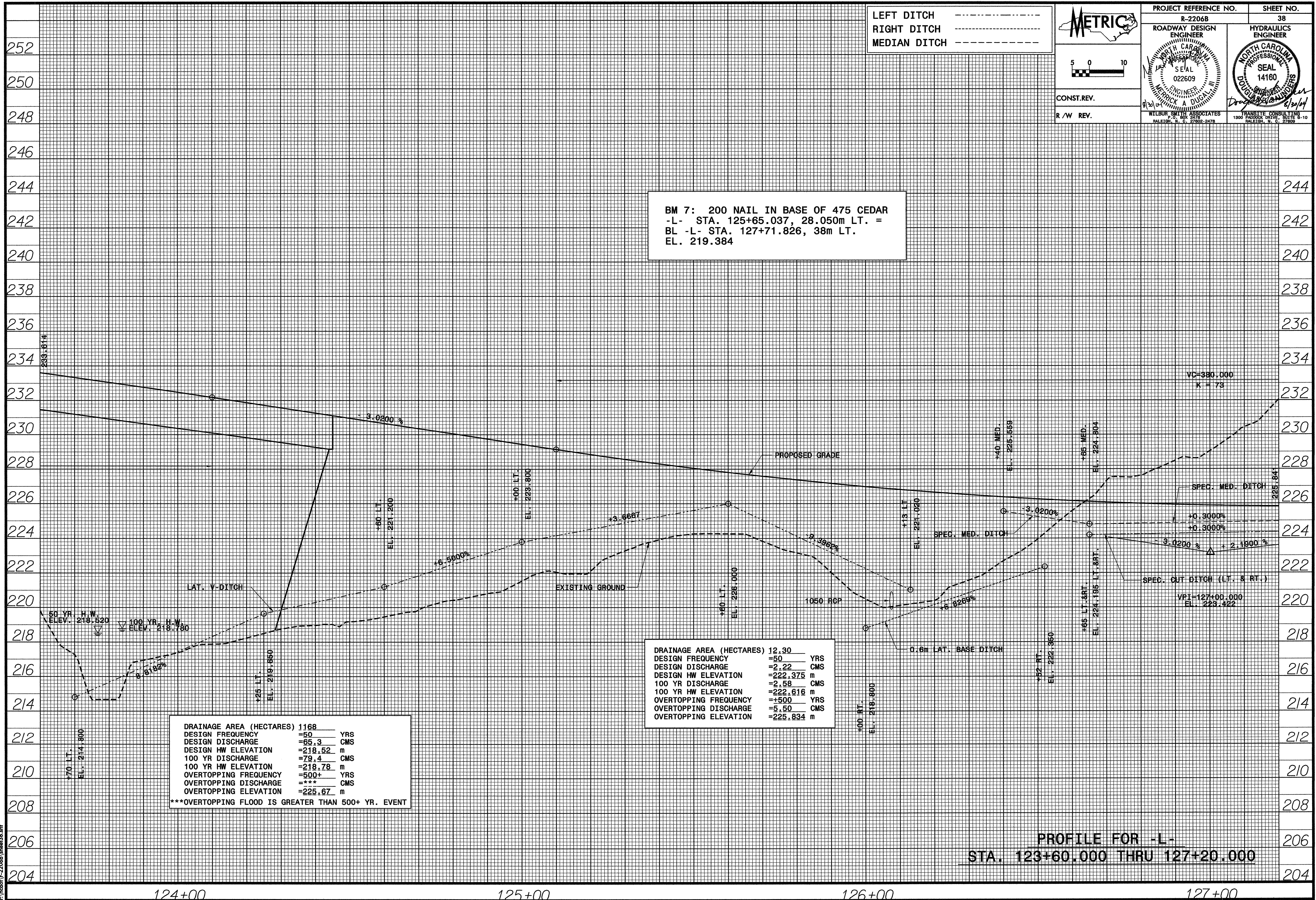


LEFT DITCH -----
 RIGHT DITCH -----
 MEDIAN DITCH -----



PROJECT REFERENCE NO. R-2206B	SHEET NO. 38
ROADWAY DESIGN ENGINEER MERRICK A. DUGALD SEAL 022609	HYDRAULICS ENGINEER DOUGLAS W. HENDERSON SEAL 14160
WILBUR SMITH ASSOCIATES 1300 PARKWOOD DRIVE, SUITE 8-10 RALEIGH, N. C. 27602-2478	TRANSITE CONSULTING 1300 PARKWOOD DRIVE, SUITE 8-10 RALEIGH, N. C. 27609

BM 7: 200 NAIL IN BASE OF 475 CEDAR
 -L- STA. 125+65.037, 28.050m LT. =
 BL -L- STA. 127+71.826, 38m LT.
 EL. 219.384



DRAINAGE AREA (HECTARES)	1168	
DESIGN FREQUENCY	=50	YRS
DESIGN DISCHARGE	=65.3	CMS
DESIGN HW ELEVATION	=218.52	m
100 YR DISCHARGE	=79.4	CMS
100 YR HW ELEVATION	=218.78	m
OVERTOPPING FREQUENCY	=500+	YRS
OVERTOPPING DISCHARGE	=***	CMS
OVERTOPPING ELEVATION	=225.67	m

***OVERTOPPING FLOOD IS GREATER THAN 500+ YR. EVENT

DRAINAGE AREA (HECTARES)	12.30	
DESIGN FREQUENCY	=50	YRS
DESIGN DISCHARGE	=2.22	CMS
DESIGN HW ELEVATION	=222.375	m
100 YR DISCHARGE	=2.58	CMS
100 YR HW ELEVATION	=222.616	m
OVERTOPPING FREQUENCY	=+500	YRS
OVERTOPPING DISCHARGE	=5.50	CMS
OVERTOPPING ELEVATION	=225.834	m

PROFILE FOR -L-
 STA. 123+60.000 THRU 127+20.000

DATE: 8/20/04
 TIME: 9:16:10 AM
 FILE: r:\mca\1-22060\sheet38.dht