

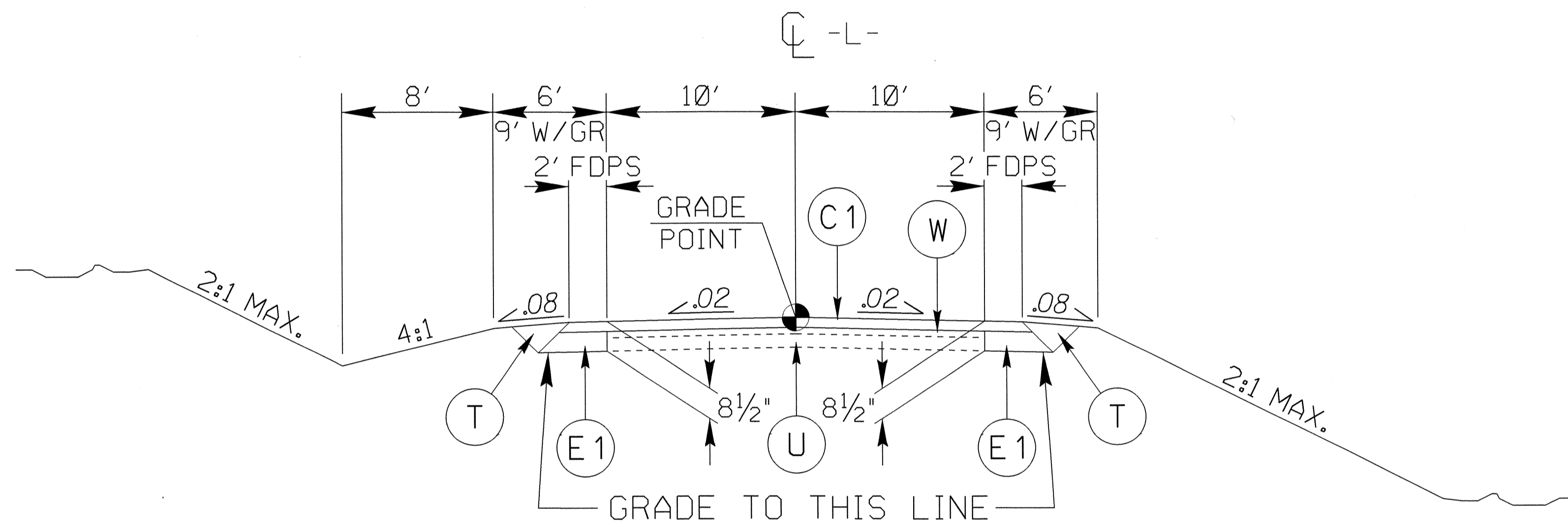
6/2/99

PAVEMENT SCHEDULE

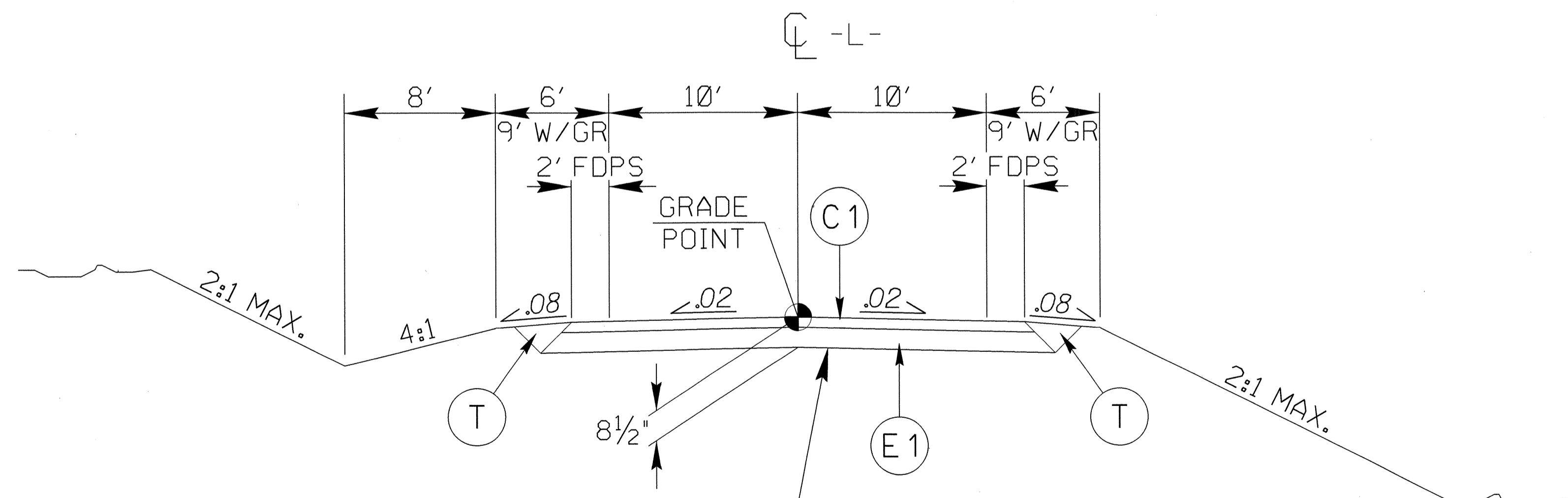
C1	PROP. APPROX. 3" ASPHALT CONCRETE SURFACE COURSE, TYPE SF9.5A, AT AN AVERAGE RATE OF 165 LBS. PER SQ. YD. IN EACH OF TWO LAYERS.	T	EARTH MATERIAL
C2	PROP. VAR. DEPTH ASPHALT CONCRETE SURFACE COURSE, TYPE SF9.5A, AT AN AVERAGE RATE OF 110 LBS. PER SQ. YD. PER 1" DEPTH, TO BE PLACED IN LAYERS NOT LESS THAN 1" IN DEPTH OR GREATER THAN 1 1/2" IN DEPTH	U	EXISTING PAVEMENT
E1	PROP. APPROX. 5 1/2" ASPHALT CONCRETE BASE COURSE, TYPE B25.0B, AT AN AVERAGE RATE OF 627 LBS. PER SQ. YD.	W	VARIABLE DEPTH ASPHALT PAVEMENT (SEE WEDGING DETAIL)
E2	PROP. VAR. DEPTH ASPHALT CONCRETE BASE COURSE, TYPE B25.0B, AT AN AVERAGE RATE OF 114 LBS. PER SQ. YD. PER 1" DEPTH, TO BE PLACED IN LAYERS NOT LESS THAN 4" IN DEPTH OR GREATER THAN 5 1/2" IN DEPTH		

PROJECT REFERENCE NO. B-4804	SHEET NO. 2
ROADWAY DESIGN ENGINEER MICHAEL W. JITTLE SEAL 22657 11/20/12	PAVEMENT DESIGN ENGINEER CLARK S. MORRISON SEAL 22693 11/20/12

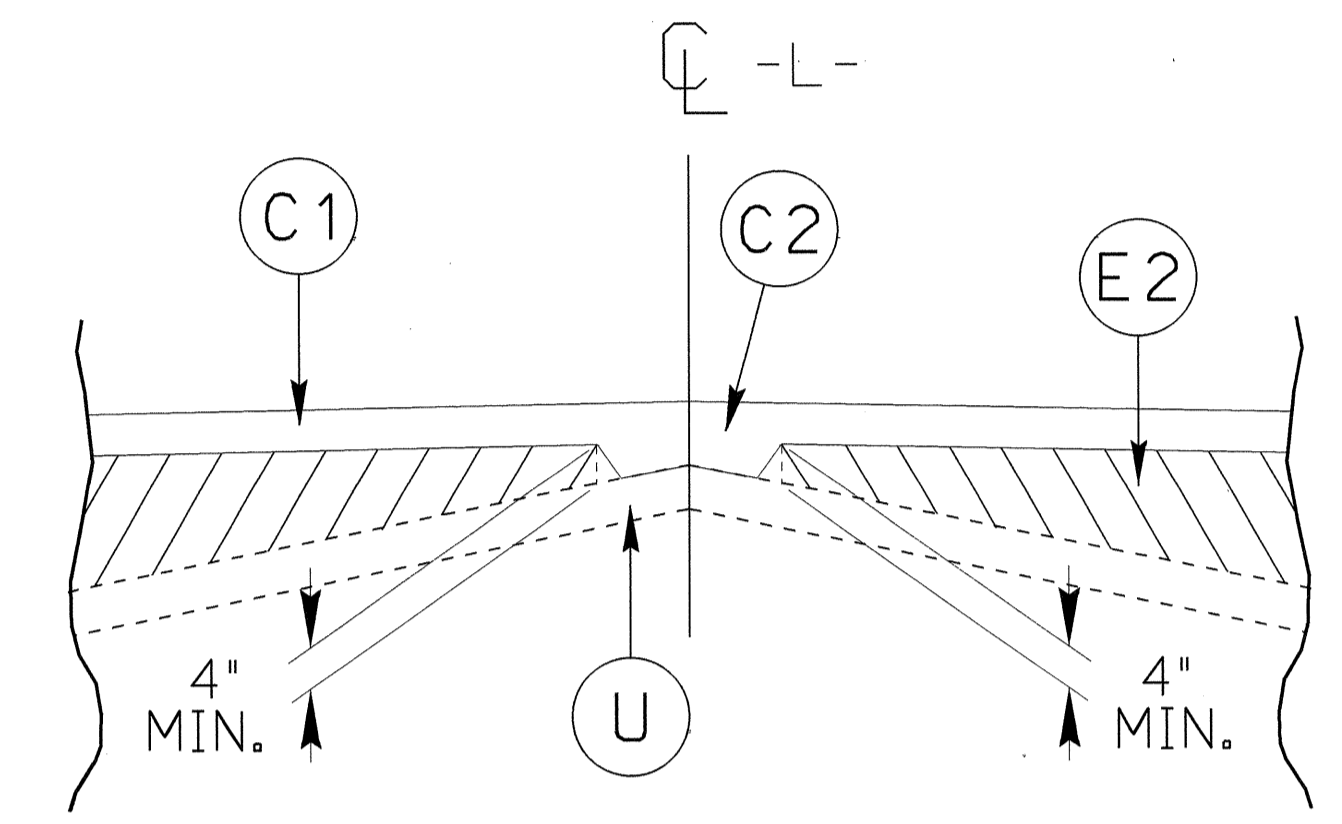
NOTE: PAVEMENT EDGE SLOPES ARE 1:1 UNLESS SHOWN OTHERWISE



TYPICAL SECTION NO. 1



TYPICAL SECTION NO. 2



DETAIL SHOWING METHOD OF WEDGING

USE TYPICAL SECTION NO. 1
 -L- STA. 19+50.00 TO -L- STA. 20+00.00
 -L- STA. 24+00.00 TO -L- STA. 25+50.00
 NOTES: (1) TRANSITION FROM EXISTING TO T.S. NO. 1
 -L- STA. 19+00.00 TO -L- STA. 19+50.00
 (2) TRANSITION FROM T.S. NO. 1 TO EXISTING
 -L- STA. 25+50.00 TO -L- STA. 26+00.00

USE TYPICAL SECTION NO. 2
 -L- STA. 20+00.00 TO -L- STA. 24+00.00

05-NOV-2012 09:18 b-4804_rdy_tup.dgn
 83.89105691416838

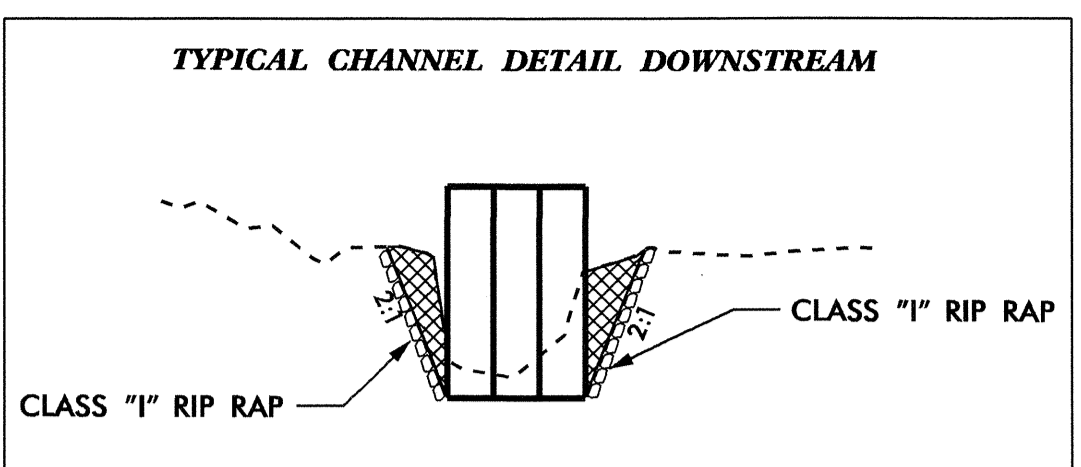
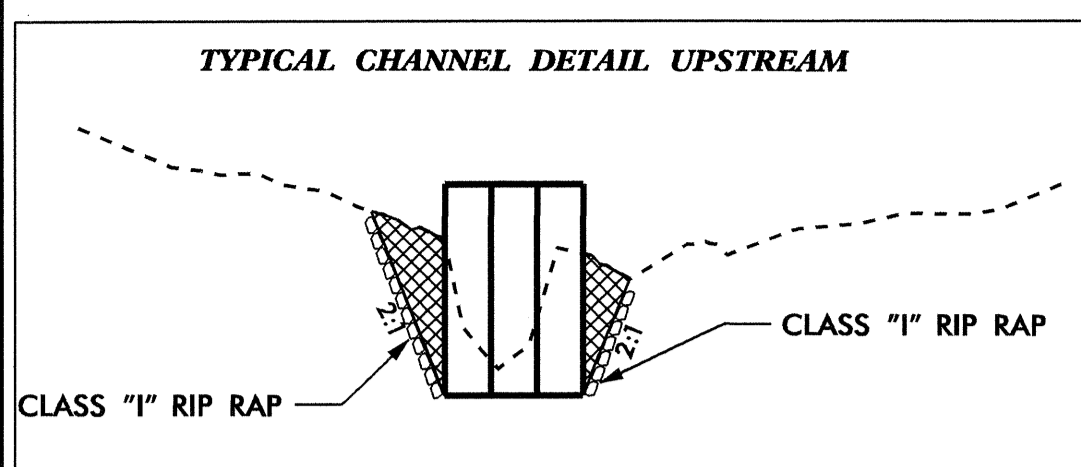
SUMMARY OF EARTHWORK
 IN CUBIC YARDS

LOCATION	UNCLASSIFIED EXCAVATION	UNDERCUT	EMBT + %	BORROW	WASTE
-L- STA.19+00.00 TO -L- STA.26+00.00	276		2,560	2,284	0
SUBTOTAL 1	276		2,560	2,284	0
PROJECT SUBTOTAL	276		2,560	2,284	0
PROJECT TOTAL	276		2,560	2,284	0
EST. 5% TO REPLACE TOPSOIL ON BORROW PIT	0			114	0
GRAND TOTAL	276		2,560	2,398	0
SAY	300 CY			2,500 CY	

PER GEOTECH RECOMMENDATION, ESTIMATED 300 CUBIC YARDS OF UNDERCUT TO BE USED AT THE DISCRETION OF THE RESIDENT ENGINEER

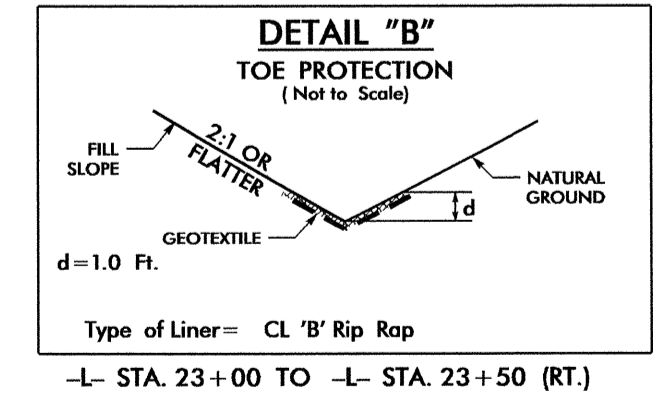
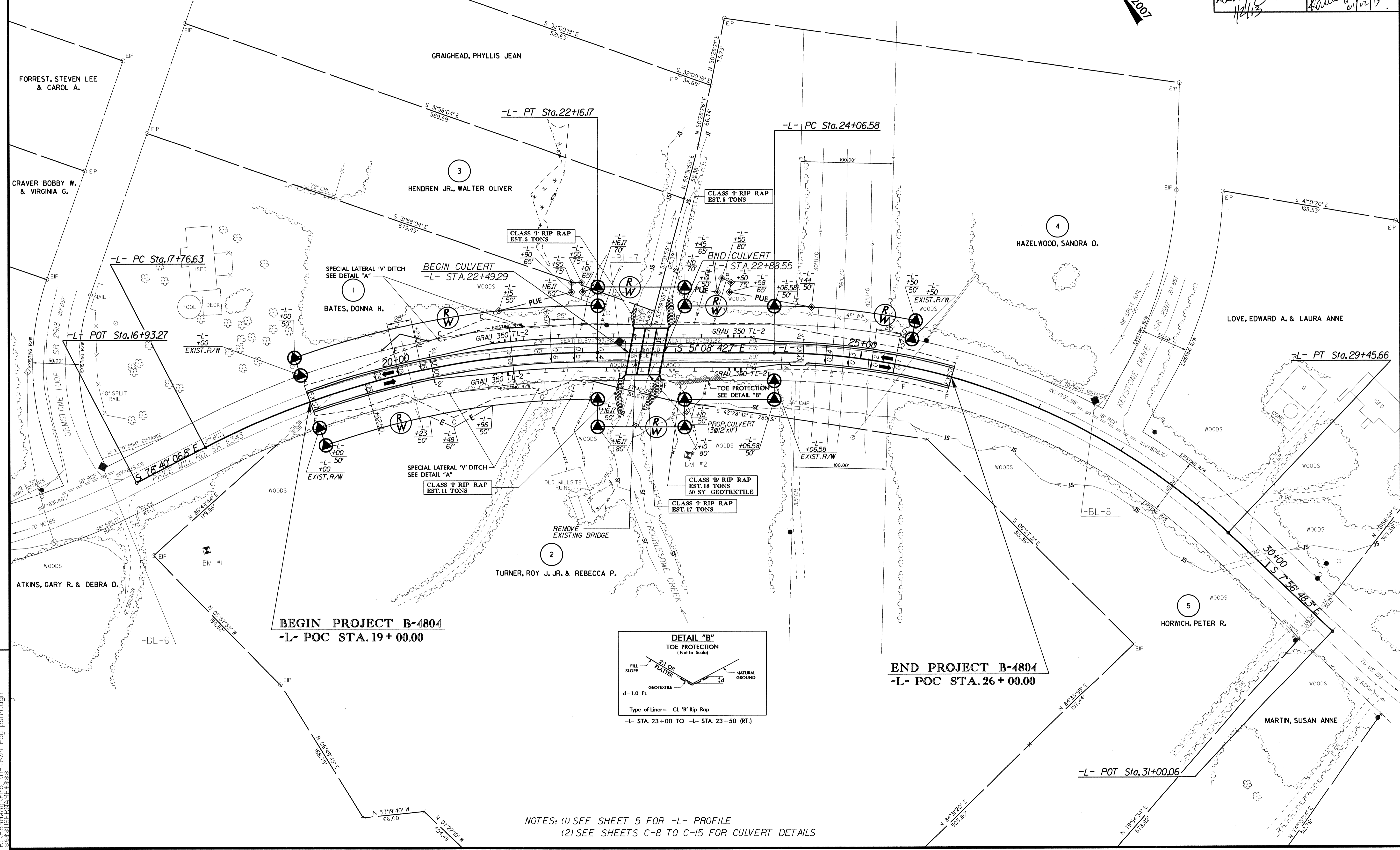
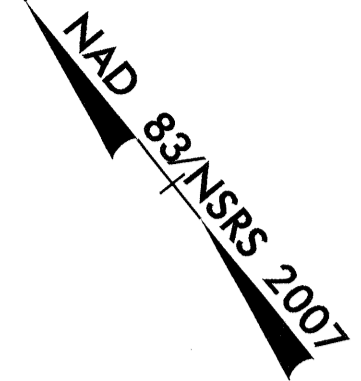
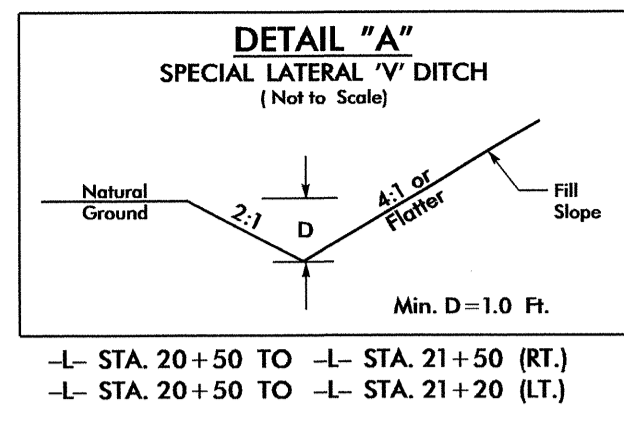
NOTE: Earthwork quantities are calculated by the Roadway Design Unit. These earthwork quantities are based in part on subsurface data provided by the Geotechnical Engineering Unit.

NOTE: Approximate quantities only. Unclassified excavation, fine grading, clearing and grubbing, and removal of existing pavement, and Borrow etc. will be paid for at the lump sum price for "Grading".



-L- CURVE DATA

PI Sta 20+00.72	PI Sta 26+89.66
$\Delta = 27^\circ 31' 24.1''$ (RT)	$\Delta = 43^\circ 11' 54.5''$ (RT)
$D = 6^\circ 15' 42.6''$	$D = 8^\circ 00' 48.2''$
$L = 439.54'$	$L = 539.08'$
$T = 224.10'$	$T = 283.08'$
$R = 915.00'$	$R = 715.00'$
SE = SEE PLANS	SE = SEE PLANS



NOTES: (1) SEE SHEET 5 FOR -L- PROFILE
(2) SEE SHEETS C-8 TO C-15 FOR CULVERT DETAILS

02-JAN-2013 10:42
R:\Roadwork\Projects\B-4804\rdy-psb4-rdw\psb4.dgn

5/14/99

PROJECT REFERENCE NO. B-4804	SHEET NO. 5
ROADWAY DESIGN ENGINEER NORTH CAROLINA PROFESSIONAL SEAL 22557 MICHAEL R. LITTLE	HYDRAULICS ENGINEER NORTH CAROLINA PROFESSIONAL SEAL 31025 KAREN H. GULLOGE

-L-

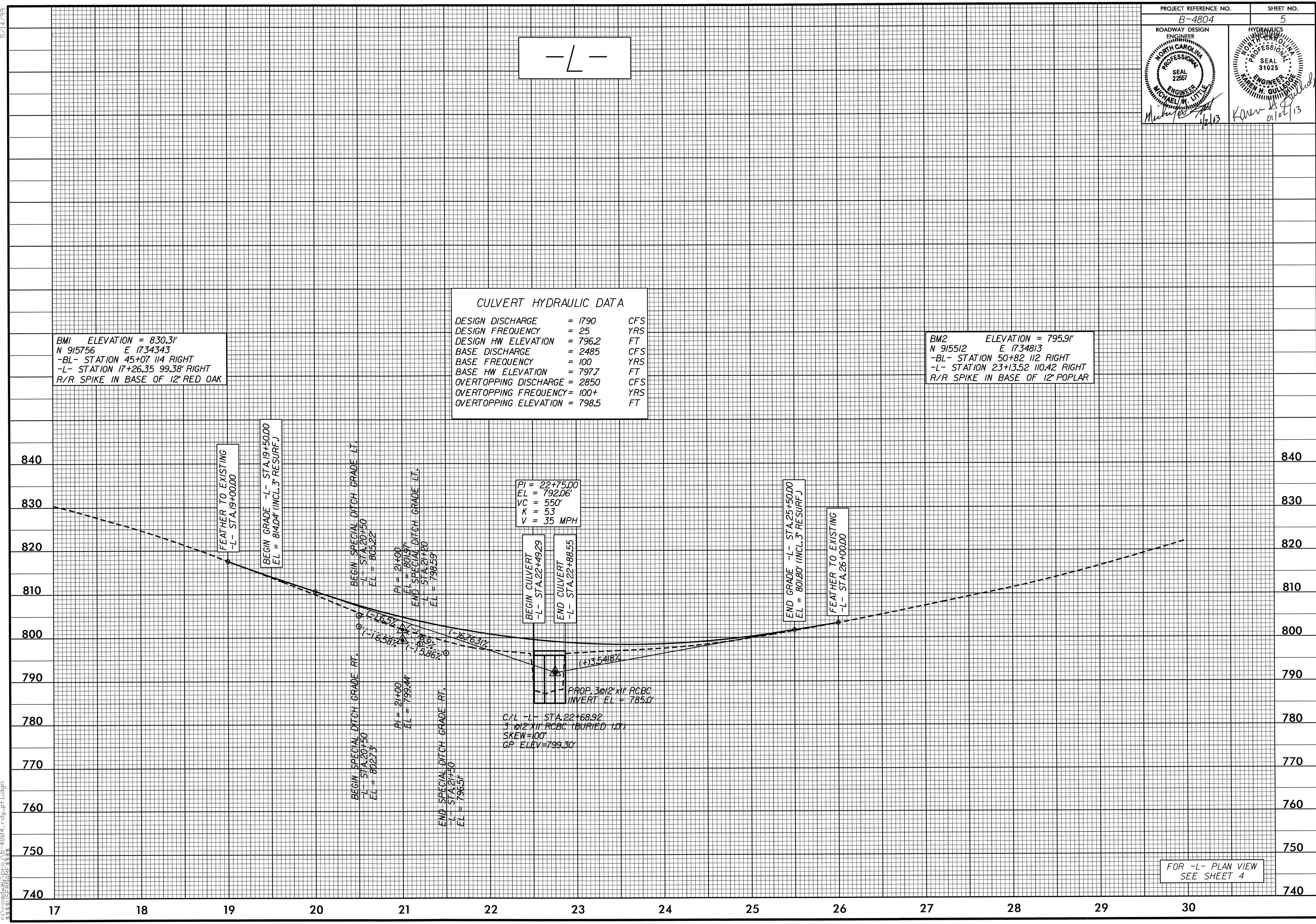
BMI ELEVATION = 830.31'
 N 915756 E 1734343
 -BL- STATION 45+07.114 RIGHT
 -L- STATION 17+26.35 99.38' RIGHT
 R/R SPIKE IN BASE OF 12' RED OAK

CULVERT HYDRAULIC DATA

DESIGN DISCHARGE	= 1790	CFS
DESIGN FREQUENCY	= 25	YRS
DESIGN HW ELEVATION	= 796.2	FT
BASE DISCHARGE	= 2485	CFS
BASE FREQUENCY	= 100	YRS
BASE HW ELEVATION	= 797.7	FT
OVERTOPPING DISCHARGE	= 2850	CFS
OVERTOPPING FREQUENCY	= 100+	YRS
OVERTOPPING ELEVATION	= 798.5	FT

BM2 ELEVATION = 795.91'
 N 915512 E 1734813
 -BL- STATION 50+82.112 RIGHT
 -L- STATION 23+13.52 110.42 RIGHT
 R/R SPIKE IN BASE OF 12' POPLAR

02-JAN-2013 10:12
r:\roadway\proj\ab-4804_rdy_pf1.dgn



FOR -L- PLAN VIEW
SEE SHEET 4