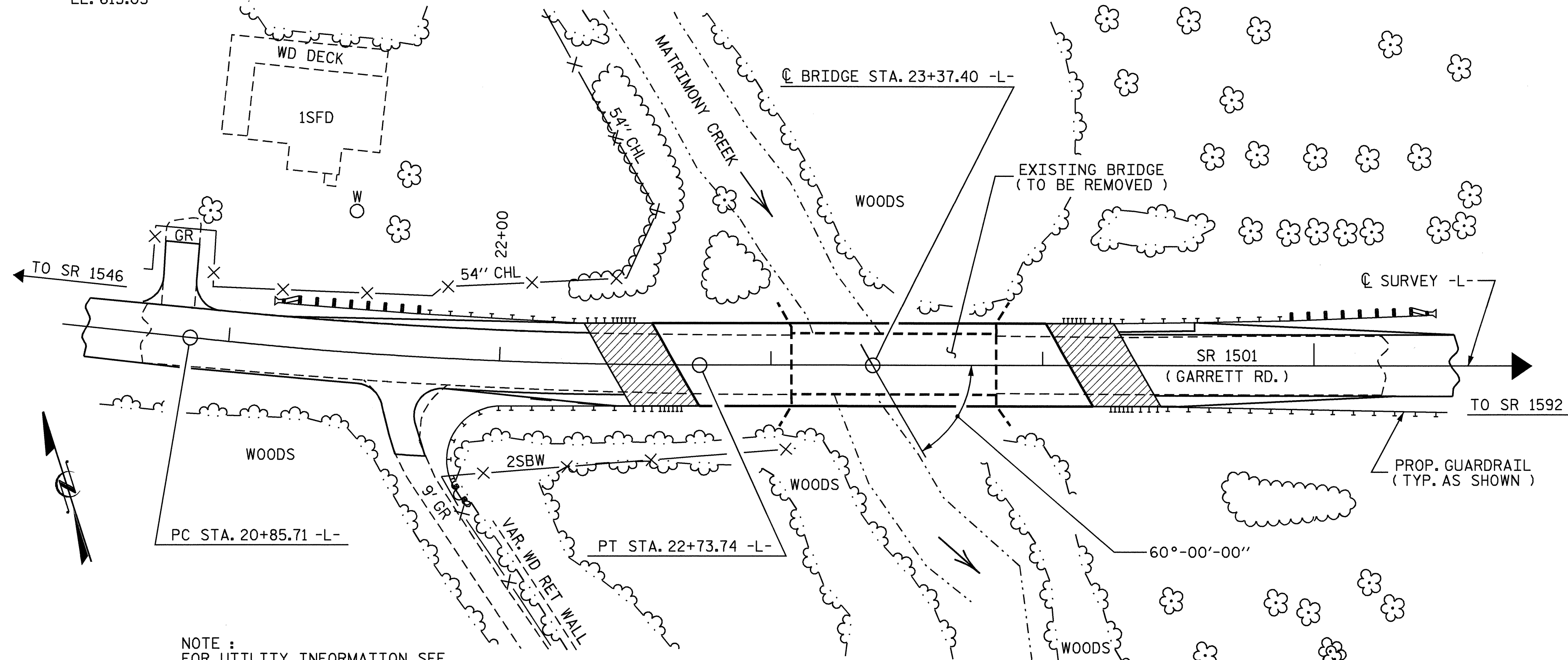
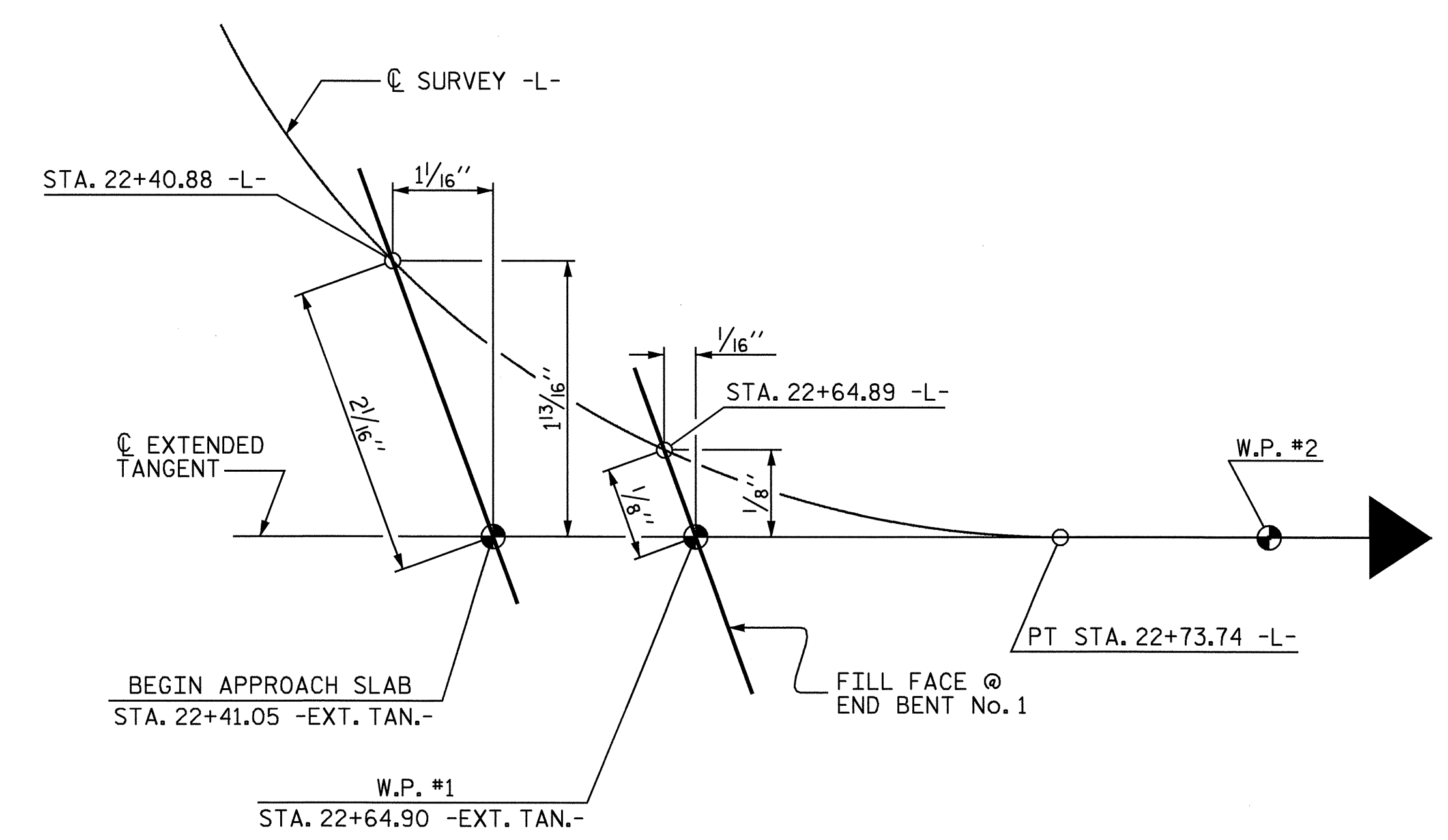


BM #2
R/R SPIKE IN BASE OF 18" SYCAMORE TREE
201.9' LT. OF -BL- STA. 17+84.00
EL. 615.03



NOTE:
FOR UTILITY INFORMATION, SEE
UTILITY PLANS AND SPECIAL PROVISIONS.

LOCATION SKETCH



EXTENDED TANGENT LAYOUT

NOTE:
THE EFFECTS OF THE HORIZONTAL CURVE SHALL BE NEGLECTED IN
THE CONSTRUCTION OF THIS BRIDGE. THE BRIDGE AND APPROACH SLAB
ARE TO BE BUILT ALONG THE TANGENT AND EXTENDED TANGENT BETWEEN
WORK POINTS.

HYDROGRAPHIC DATA

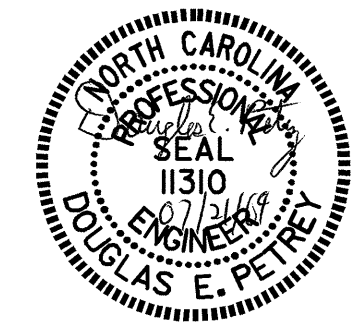
DESIGN DISCHARGE-----	2400 CFS
FREQUENCY OF DESIGN FLOOD-----	25 YR.
DESIGN HIGH WATER ELEVATION-----	617.1
DRAINAGE AREA-----	12 SQ.MI.
BASIC DISCHARGE (Q100)-----	3500 CFS
BASIC HIGH WATER ELEVATION-----	618.2
OVERTOPPING FLOOD DATA	
OVERTOPPING DISCHARGE-----	29500 CFS
FREQUENCY OF OVERTOPPING FLOOD-----	500+YRS
OVERTOPPING FLOOD ELEVATION-----	634.4

TOTAL BILL OF MATERIAL

	CONSTRUCTION, MAINTENANCE & REMOVAL OF TEMPORARY ACCESS	REMOVAL OF EXISTING STRUCTURE	3'-6" Ø DRILLED PIERS IN SOIL	3'-6" Ø DRILLED PIERS NOT IN SOIL	PERMANENT STEEL CASING FOR 3'-6" Ø DRILLED PIER	CROSSHOLE SONIC LOGGING	CSL TUBES	UNCLASSIFIED STRUCTURE EXCAVATION	HP 12 x 53 STEEL PILES		PLAIN RIP RAP CLASS II (2'-0" THICK)	CONSTRUCTION OF SUBSTRUCTURE	CONSTRUCTION OF SUPERSTRUCTURE
	LUMP SUM	LUMP SUM	LIN. FT.	LIN. FT.	LIN. FT.	EACH	LIN. FT.	LUMP SUM	No.	LIN. FT.	TONS	LUMP SUM	LUMP SUM
SUPERSTRUCTURE													LUMP SUM
SUBSTRUCTURE												LUMP SUM	
END BENT No. 1									8	160	267		
BENT No. 1			30.75	24.00	24.13		249.00						
BENT No. 2			15.00	27.00	17.80	1	198.00						
END BENT No. 2									8	160	208		
TOTAL	LUMP SUM	LUMP SUM	45.75	51.00	41.93	1	447.00	LUMP SUM	16	320	475	LUMP SUM	LUMP SUM

PROJECT NO. B-3901
ROCKINGHAM COUNTY
STATION: 23+37.40 -L-

SHEET 3 OF 3



STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
RALEIGH
GENERAL DRAWING
BRIDGE ON
SR 1501 (GARRETT RD.)
OVER MATRIMONY CREEK
BETWEEN SR 1546 AND SR 1592

REVISIONS				SHEET NO.
NO.	BY:	DATE:	NO.	DATE:
1			3	
2			4	

TOTAL SHEETS	22
S-3	

DRAWN BY : MIKE BRITT DATE : 6-28-04
CHECKED BY : P.C. BREWER DATE : 6-29-04

21-JUL-2004 08:11
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dpetrey