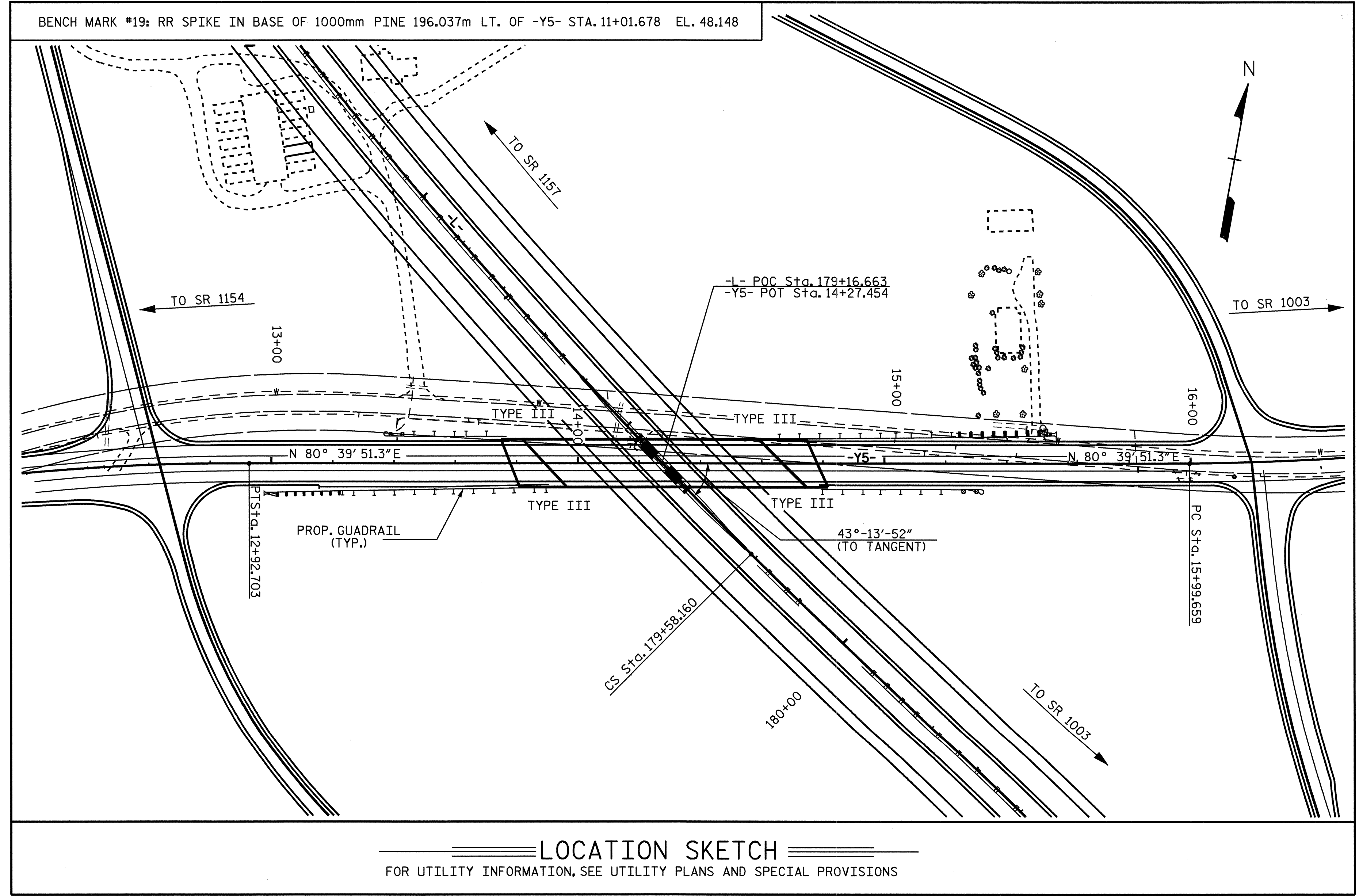


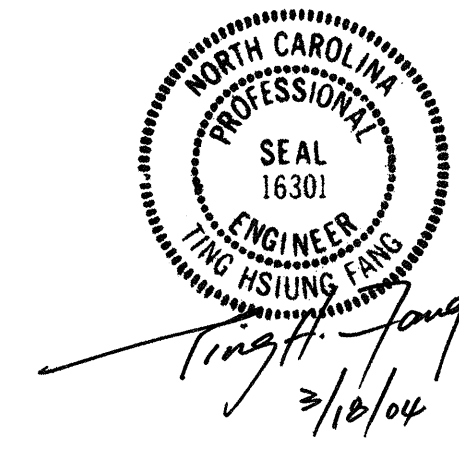
TOTAL BILL OF MATERIAL																
	FOUNDATION EXCAVATION	REINFORCED CONCRETE DECK SLAB	GROOVING BRIDGE FLOORS	CLASS A CONCRETE	BRIDGE APPROACH SLABS	REINFORCING STEEL	SPIRAL COLUMN REINFORCING STEEL	STRUCTURAL STEEL	305mm PRESTRESSED CONCRETE PILES	CONCRETE BARRIER RAIL	2080mm CHAIN LINK FENCE	100mm SLOPE PROTECTION	POT BEARINGS	ELASTOMERIC BEARINGS	EVAZOTE JOINT SEALS	
	LUMP SUM	SQ. METERS	SQ. METERS	CU. METERS	LUMP SUM	kg	kg	APPROX. kg	NO.	METERS	METERS	METERS	SQ. METERS	LUMP SUM	LUMP SUM	LUMP SUM
SUPERSTRUCTURE		1269.0	1432.0		LUMP SUM			190,020			153.438	151.638		LUMP SUM	LUMP SUM	LUMP SUM
END BENT 1				47.0		3926			15	270		450				
BENT 1	LUMP SUM			93.5		8209	952		48	624						
END BENT 2				50.1		4100			15	285		510				
TOTAL	LUMP SUM	1269.0	1432.0	190.6	LUMP SUM	16,235	952	190,020	78	1179	153.438	151.638	960	LUMP SUM	LUMP SUM	LUMP SUM

NOTES

- ALL DIMENSIONS ARE IN MILLIMETERS UNLESS OTHERWISE NOTED.
- ALL ELEVATIONS ARE IN METERS.
- ASSUMED LIVE LOAD = MS 18 OR ALTERNATE LOADING.
- FOR OTHER DESIGN DATA AND GENERAL NOTES, SEE SHEET SNSM.
- FOR EROSION CONTROL MEASURES SEE EROSION CONTROL PLANS.
- THIS BRIDGE HAS BEEN DESIGNED BY THE STRENGTH DESIGN METHOD AS SPECIFIED IN AASHTO STANDARD SPECIFICATIONS.
- ALL STRUCTURAL STEEL SHALL BE AASHTO M270 GRADE 345W AND PAINTED IN ACCORDANCE WITH SYSTEM 4 OF ARTICLE 442-7 OF THE STANDARD SPECIFICATIONS UNLESS OTHERWISE NOTED ON THE PLANS.
- REMOVABLE FORMS MAY BE USED IN LIEU OF METAL STAY-IN-PLACE FORMS IN ACCORDANCE WITH ARTICLE 420-3 OF THE STANDARD SPECIFICATIONS.
- THE USE OF NEEDLE BEAMS TO SUPPORT THE DECK SLAB WILL ONLY BE ALLOWED IN THE ACUTE CORNERS OF THE SLAB.
- THIS BRIDGE HAS BEEN DESIGNED IN ACCORDANCE WITH THE REQUIREMENTS OF THE STANDARD SPECIFICATIONS FOR SEISMIC DESIGN OF HIGHWAY BRIDGES FOR SEISMIC PERFORMANCE CATEGORY A.
- ALL FALSEWORK AND FORMS FOR THE CAST-IN-PLACE DECK SLAB CONTINUOUS UNIT SHALL REMAIN IN PLACE UNTIL THE ENTIRE UNIT IS CAST AND CURED.
- FOR METRIC STRUCTURAL STEEL, SEE SPECIAL PROVISIONS.
- FOR SUBMITTAL OF WORKING DRAWINGS, SEE SPECIAL PROVISIONS.
- FOR FALSEWORK AND FORMWORK, SEE SPECIAL PROVISIONS.
- PILES FOR END BENTS NO.1 AND 2 SHALL BE DRIVEN TO A MINIMUM BEARING CAPACITY OF 530KN EACH.
- PILES FOR INTERIOR BENT NO.1 SHALL BE DRIVEN TO A MINIMUM BEARING CAPACITY OF 530KN EACH.
- THE CONTRACTOR SHALL OBSERVE A ONE MONTH WAITING PERIOD BEFORE BEGINNING ANY WORK FOR END BENT CONSTRUCTION AFTER COMPLETION OF THE EMBANKMENT AT EACH END BENT. THE CONTRACTOR MAY BEGIN THE REINFORCED BRIDGE APPROACH FILL CONSTRUCTION AFTER COMPLETION OF END BENT INCLUDING WINGWALLS. NO OTHER WAITING PERIOD WILL BE REQUIRED FOR THE APPROACH SLAB CONSTRUCTION AT BOTH END BENTS.
- WHEN DRIVING PILES, THE MAXIMUM BLOW COUNT SHALL NOT BE EXCEEDED.
- THE CONTRACTOR, AT HIS OPTION, MAY SUBSTITUTE PP305X9.5 STEEL CLOSED END PIPE PILES IN LIEU OF 305mm PRESTRESSED CONCRETE PILES AT NO ADDITIONAL COST TO THE DEPARTMENT.
- THE CONTRACTOR WILL BE REQUIRED TO SUBMIT PLANS SHOWING DETAILS OF THE OPTIONAL PIPE PILE FOR APPROVAL BY THE ENGINEER.
- WORK SHALL NOT BE STARTED ON BENT NO. 1 UNTIL FILL HAS BEEN PLACED



PROJECT NO. R-513BB  
ROBESON COUNTY  
 STATION: 179+16.663 -L-  
 SHEET 3 OF 3



STATE OF NORTH CAROLINA  
 DEPARTMENT OF TRANSPORTATION  
 RALEIGH

GENERAL DRAWING

BRIDGE ON SR 1155  
 OVER US 74 BETWEEN  
 SR 1157 AND SR 1003

REVISIONS						SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:	
1			3			5-3
2			4			TOTAL SHEETS 312

DRAWN BY : D.R. ANDERSON DATE : 8-28-03  
 CHECKED BY : T.H. FANG DATE : 2-19-04