## BENCH MARK #4: RR SPIKE IN BASE OF 750mm PINE 86.610m RT. OF -L- STA. 284+93.432 EL. 42.011 -L- POT STA. 271+08.001 -Y5- POT STA. 23+42.464 TO SR 2422 TO US 74 PROP. GUARDRAIL ---- PROP. GUARDRAIL TYPE III TYPE III - PROP. GUARDRAIL TYPE/III -PROP. GUARDRAIL 60°-30′-00′ \_\_\_\_LOCATION SKETCH \_\_\_\_\_ FOR UTILITY INFORMATION, SEE UTILITY PLANS AND SPECIAL PROVISIONS

## 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.

NEEDLE BEAMS WILL NOT BE ALLOWED UNLESS OTHERWISE CALLED FOR ON THE PLANS OR APPROVED BY THE ENGINEER.

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.

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 450KN EACH.
PILES FOR INTERIOR BENT NO.1 SHALL BE DRIVEN TO A MINIMUM BEARING CAPACITY OF 450KN 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.

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.

WORK SHALL NOT BE STARTED ON BENT NO.1 UNTIL FILL HAS BEEN PLACED.

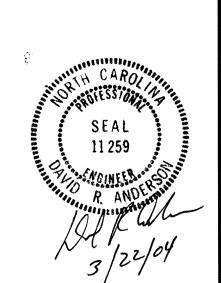
THE CONTRACTOR WILL BE REQUIRED TO SUBMIT PLANS SHOWING DETAILS OF THE OPTIONAL PIPE PILE FOR APPROVAL BY THE ENGINEER.

PROJECT NO. R-513C

ROBESON COUNTY

STATION: 271+08.001 -L-

SHEET 3 OF 3



STATE OF NORTH CAROLINA

DEPARTMENT OF TRANSPORTATION

RALEIGH

GENERAL DRAWING
BRIDGE ON SR 1207
(HILLY BRANCH RD.)
OVER -L- BETWEEN
SR 2422 AND US 74

REVISIONS						SHEET NO.
10.	BY:	DATE:	NO.	BY:	DATE:	5-99
1			3			TOTAL SHEETS
2			4			312

DRAWN BY: D.R. ANDERSON DATE: 7-10-03
CHECKED BY: T.A. WALTER DATE: 2-5-04