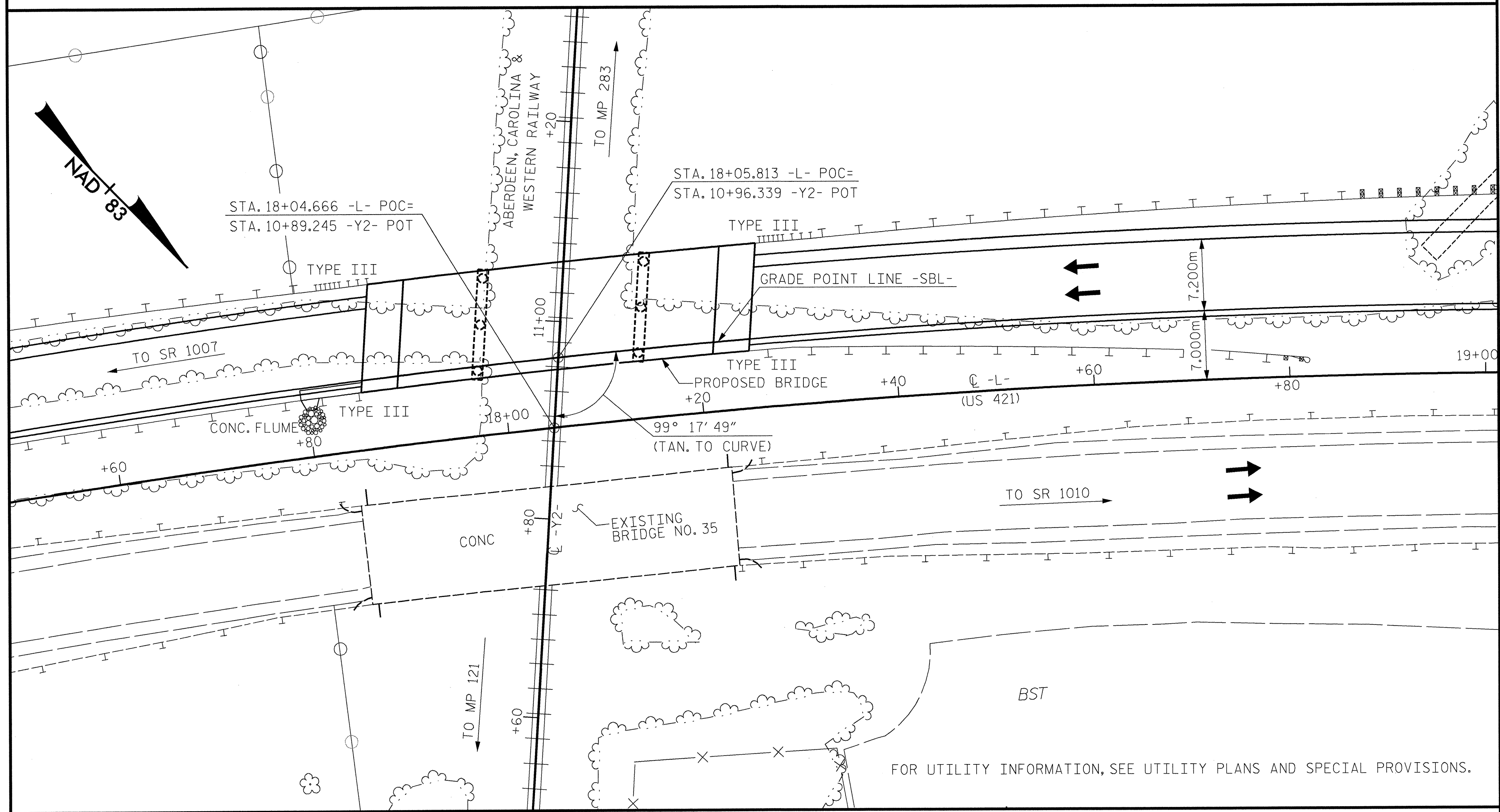


BENCHMARK: B.M. #2 R/R SPIKE IN BASE OF POWER POLE 34.521m RIGHT OF -L- STA 11+57.020 EL. 75.046



LOCATION SKETCH

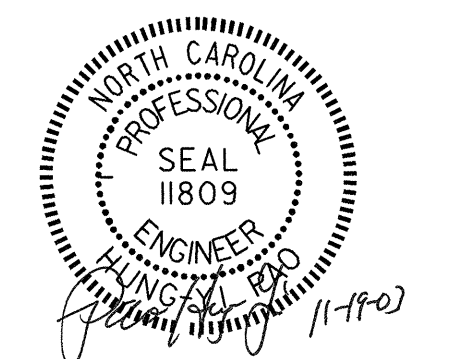
ALL DIMENSIONS ARE IN MILLIMETERS UNLESS OTHERWISE NOTED.
 ALL ELEVATIONS ARE IN METERS.
 ASSUMED LIVE LOAD = MS 18 OR ALTERNATE LOADING.
 FOR OTHER DESIGN DATA AND GENERAL NOTES, SEE SHEET SNSM.
 FOR EROSION CONTROL MEASURES SEE EROSION CONTROL PLANS.
 FOR METRIC REINFORCING STEEL, SEE SPECIAL PROVISIONS.
 THIS BRIDGE HAS BEEN DESIGNED BY THE STRENGTH DESIGN METHOD AS SPECIFIED IN AASHTO STANDARD SPECIFICATIONS.
 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.
 PRESTRESSED CONCRETE DECK PANELS MAY BE USED IN LIEU OF METAL STAY-IN-PLACE FORMS IN ACCORDANCE WITH ARTICLE 420-3 OF THE STANDARD SPECIFICATIONS.
 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.
 FOR SUBMITTAL OF WORKING DRAWINGS, SEE SPECIAL PROVISIONS.
 FOR FALSEWORK AND FORMWORK, SEE SPECIAL PROVISIONS.
 FOR MINIMIZING RAILROAD FLAGGING SERVICE, SEE SPECIAL PROVISIONS.

THE CONTRACTOR MAY CHOOSE TO UTILIZE THE STANDARD OVERHANG FALSEWORK BRACING SYSTEM, SEE "STANDARD OVERHANG FALSEWORK" SHEETS.

TOTAL BILL OF MATERIAL

	1066mm Ø DRILLED PIERS IN SOIL	1066mm Ø DRILLED PIERS NOT IN SOIL	SID INSPECTION	SPT TESTING	CROSSHOLE SONIC LOGGING	CSL TUBES	REINFORCED CONCRETE DECK SLAB	GROOVING BRIDGE FLOORS	CLASS A CONCRETE	BRIDGE APPROACH SLABS	REINFORCING STEEL	SPIRAL COLUMN REINFORCING STEEL	1143mm PRESTRESSED CONCRETE GIRDERS	HP 310 X 79 STEEL PILES	CONCRETE BARRIER RAIL	** 100mm SLOPE PROTECTION	ELASTOMERIC BEARINGS	EVAZOTE JOINT SEALS
	METERS	METERS	EACH	EACH	EACH	METERS	SQ. METERS	SQ. METERS	CU. METERS	LUMP SUM	kg.	kg.	METERS	NO. METERS	METERS	SQ. METERS	LUMP SUM	LUMP SUM
SUPERSTRUCTURE							467.8	389.6		LUMP SUM			195.320		79.688		LUMP SUM	LUMP SUM
END BENT 1									37.6		2,872			12	204.0	460.0		
BENT 1	36.5	10.0	3	3		196.1			24.6		7,070	1,994						
BENT 2	38.0	10.0	3	3	1	202.2			25.2		7,436	2,083						
END BENT 2									25.7		2,118			6	72.0	455.0		
TOTAL	74.5	20.0	6	6	1	398.3	467.8	389.6	113.1	LUMP SUM	19,496	4,077	195.320	18	276.0	79.688	915.0	LUMP SUM

* QUANTITY INCLUDES PROPOSED LEFT LANE BRIDGE AND EXISTING RIGHT LANE BRIDGE 100mm SLOPE PROTECTION



PROJECT NO. R-2610A
 CHATHAM COUNTY
 STATION: 18+04.666 -L-

SHEET 4 OF 4

STATE OF NORTH CAROLINA
 DEPARTMENT OF TRANSPORTATION
 RALEIGH
GENERAL DRAWING
 FOR BRIDGE ON SBL US 421
 OVER ABERDEEN, CAROLINA &
 WESTERN RAILWAY BETWEEN
 SR 1007 AND SR 1010
 (LEFT LANE BRIDGE)

REVISIONS						SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:	TOTAL SHEETS
1			3			5-4
2			4			62

Stantec
 Stantec Consulting Services Inc.
 Suite 300, 801 Jones Franklin Road
 Raleigh, NC 27606
 Tel. 919.851.6866
 Fax. 919.851.7024
 www.stantec.com

DRAWN BY: M. J. OSTRISHKO DATE: 8-8-03
 CHECKED BY: H. PAO DATE: 9-5-03