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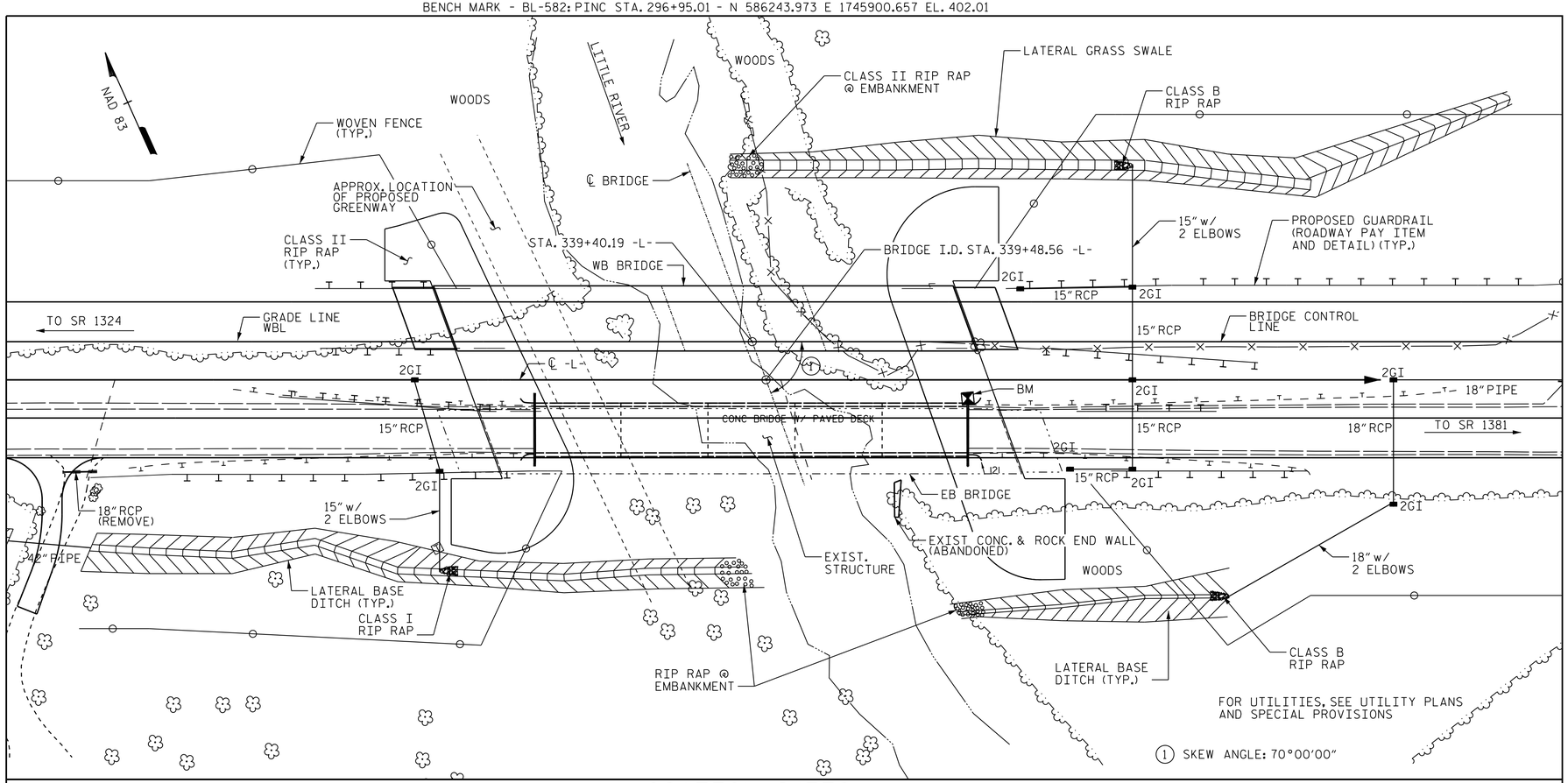
TOTAL BILL OF MATERIAL

	CONSTRUCTION, MAINTENANCE & REMOVAL OF TEMP. ACCESS @ STATION 339+48.56 -L-	3'-6"Ø DRILLED PIERS IN SOIL	3'-6" DIA. DRILLED PIERS NOT IN SOIL	PERMANENT STEEL CASING FOR 3'-6" DIA. DRILLED PIER	SID INSPECTIONS	CSL TESTING	UNCLASSIFIED STRUCTURE EXCAVATION	REINFORCED CONCRETE DECK SLAB	GROOVING BRIDGE FLOORS	CLASS A CONCRETE	BRIDGE APPROACH SLABS	REINFORCING STEEL	SPIRAL COLUMN REINFORCING STEEL	MODIFIED 72" PRESTRESSED CONC. GIRDERS		HP 14 X 73 STEEL PILES		STEEL PILE POINTS	CONCRETE BARRIER RAIL	RIP RAP CLASS II (2'-0" THICK)	GEOTEXTILE FOR DRAINAGE	ELASTOMERIC BEARINGS
	LUMP SUM	LIN. FT.	LIN.FT.	LIN.FT.	EA.	EA.	LUMP SUM	SQ.FT.	SQ.FT.	CU.YDS.	LUMP SUM	LBS.	LBS.	NO.	LIN.FT.	NO.	LIN.FT.	EA.	LIN.FT.	TONS	SQ.YDS.	LUMP SUM
SUPERSTRUCTURE								12,364	11,899		LUMP SUM			12	1236.0				630			LUMP SUM
END BENT No. 1							LUMP SUM			42.7		6190				9	270	9		563	625	
BENT No. 1	LUMP SUM	12	60	6.2	1	1				47.3		22,721	3742									
BENT No. 2	LUMP SUM	60	48		1	1				39.9		23,337	3854									
END BENT No. 2							LUMP SUM			42.7		6,211				9	360	9		709	788	
TOTAL	LUMP SUM	72	108	6.2	2	2	LUMP SUM	12,364	11,899	172.6	LUMP SUM	58,459	7596	12	1236.0	18	630	18	630	1272	1413	LUMP SUM

BENCH MARK - BL-582: PINC STA. 296+95.01 - N 586243.973 E 1745900.657 EL. 402.01



LOCATION SKETCH

NOTES:

ASSUMED LIVE LOAD = HL-93 OR ALTERNATE LOADING.

THIS BRIDGE HAS BEEN DESIGNED IN ACCORDANCE WITH THE AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS.

THIS BRIDGE IS LOCATED IN SEISMIC ZONE 1.

FOR OTHER DESIGN DATA AND GENERAL NOTES, SEE SHEET SN.

FOR SUBMITTAL OF WORKING DRAWINGS, SEE SPECIAL PROVISIONS.

FOR FALSEWORK AND FORMWORK, SEE SPECIAL PROVISIONS.

FOR CRANE SAFETY, SEE SPECIAL PROVISIONS.

FOR GROUT FOR STRUCTURES, SEE SPECIAL PROVISIONS.

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 STRUCTURE HAS BEEN DESIGNED IN ACCORDANCE WITH "HEC 18-EVALUATING SCOUR AT BRIDGES."

THE LOCATION OF THE CONSTRUCTION JOINT IN THE DRILLED PIERS IS BASED ON AN APPROXIMATE GROUND LINE ELEVATION. IF THE CONSTRUCTION JOINT IS ABOVE THE ACTUAL GROUND ELEVATION, THE CONTRACTOR SHALL PLACE THE CONSTRUCTION JOINT 1 FT. BELOW THE GROUND LINE.

FOR EROSION CONTROL MEASURES, SEE EROSION CONTROL PLANS.

FOR PLACING LOAD ON STRUCTURE MEMBERS, SEE SPECIAL PROVISIONS.

AT THE CONTRACTOR'S OPTION, AND UPON REMOVAL OF THE CAUSEWAY, THE CLASS II RIP RAP USED IN THE CAUSEWAY MAY BE PLACED AS RIP RAP SLOPE PROTECTION. SEE SPECIAL PROVISIONS FOR CONSTRUCTION, MAINTANANCE AND REMOVAL OF TEMPORARY ACCESS AT STATION 339+48.56 -L-.

NOTES (CONT.):

THE MATERIAL SHOWN IN THE CROSS-HATCHED AREA SHALL BE EXCAVATED FOR A DISTANCE OF 70 FT EACH SIDE OF CENTERLINE ROADWAY AS DIRECTED BY THE ENGINEER. THIS WORK WILL BE PAID FOR AT THE CONTRACT LUMP SUM PRICE FOR UNCLASSIFIED STRUCTURE EXCAVATION. SEE SECTION 412 OF THE STANDARD SPECIFICATIONS.

FOR SETTLEMENT PLATES, SEE ROADWAY PLANS.

UNDERCUT 3 FT OF SOFT CLAY WITHIN LIMITS OF EMBANKMENT AT END BENT NO. 2, AND REPLACE WITH TWO LAYERS OF HS TYPE 5 GEOTEXTILE AND ABC.

PROJECT NO. R-0623

MONTGOMERY COUNTY

STATION: 339+48.56 -L-

SHEET 3 OF 3

STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
RALEIGH

GENERAL DRAWING

FOR BRIDGE ON NC 24/27 BYPASS WBL OVER LITTLE RIVER BETWEEN SR 1324 AND SR 1381

(WBL)

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www.stantec.com
License No. F-0672

REVISIONS								SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:			S-85
1			3					TOTAL SHEETS
2			4					162

DRAWN BY : J. L. HENNEKES DATE : 05-28-13
CHECKED BY : J. T. KELVINGTON DATE : 03-21-14

DESIGN ENGINEER OF RECORD: J. T. KELVINGTON DATE : 04-01-14

NORTH CAROLINA PROFESSIONAL SEAL 13406 ENGINEER JOSEPH T. KELVINGTON
DocuSigned by: Joseph T. Kelvington 847C9D3780774AF... 8/18/2014

STR. #3

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