

PLAN OF APPROACH SLAB AT END BENT #2

NOTE: ARC OFFSETS TO OUTSIDE EDGE OF APPROACH SLAB ARE NEGLIGIBLE, THEREFORE, NOT SHOWN.

NOTE: THE #19 AND #25 "B" BARS IN THE APPROACH SLAB MAY BE CUT AS DIRECTED BY THE ENGINEER TO CLEAR THE MODULAR JOINT SUPPORT BOXES.

▲ DIMENSIONS ARE NORMAL OR RADIAL TO C SURVEY -LPB-.

** PLACE AT JOINT SUPPORT BOX LOCATIONS. (SEE SUPERSTRUCTURE TYPICAL SECTIONS AND DETAILS - "DROPWALL DETAILS", SHEET 2 OF 2)

NOTE: THE #13 AND #16 "A" BARS ARE PLACED RADIALLY AND SPACED ALONG C SURVEY -LPB-.

NOTES

THE COST OF THE BARRIER RAIL ON THE APPROACH SLAB SHALL BE INCLUDED IN THE LUMP SUM CONTRACT PRICE BID FOR BRIDGE APPROACH SLABS.

APPROACH SLAB SHALL NOT BE CONSTRUCTED PRIOR TO COMPLETION OF THE BRIDGE DECK.

FOR REINFORCED BRIDGE APPROACH FILL INCLUDING FABRIC, IMPERMEABLE GEOMEMBRANE, 102mm Ø DRAINAGE PIPE, #78M STONE, AND SELECT MATERIAL, SEE ROADWAY PLANS.

TEMPORARY DRAINAGE AND TEMPORARY BERM AND SLOPE DRAINS WILL BE PAID FOR UNDER THE LUMP SUM PRICE FOR BRIDGE APPROACH SLAB.

AREA BETWEEN THE WINGWALL AND APPROACH SLAB SHALL BE GRADED TO DRAIN THE WATER AWAY FROM THE FILL FACE OF THE BRIDGE.

THE 150mm COMP. A.B.C. SHALL EXTEND 3m BEYOND THE END OF THE APPROACH SLAB AND 300mm OUTSIDE OF EACH EDGE OF THE SLAB.

THE CONTRACTOR MAY USE 100mm TYPE B-25.0B ASPHALT CONCRETE COURSE IN LIEU OF 150mm COMP. A.B.C. IF THIS OPTION IS USED, THE BASE COURSE SHALL EXTEND 300mm BEYOND THE END OF THE APPROACH SLAB AND THE WIDTH SHALL BE THE SAME AS THAT OF THE APPROACH SLAB.

THE CONTRACTOR MAY USE 125mm CLASS "A" CONCRETE BASE IN LIEU OF 150mm COMP. A.B.C. IF THIS OPTION IS USED, THE CONCRETE BASE SHALL EXTEND 300mm BEYOND THE END OF THE APPROACH SLAB AND THE WIDTH SHALL BE THE SAME AS THAT OF THE APPROACH SLAB. THE CONCRETE SHALL BE FINISHED TO A SMOOTH SURFACE AND A LAYER OF 13.6 kg. ROOFING FELT SHALL BE PLACED BETWEEN THE CONCRETE BASE AND THE APPROACH SLAB TO PREVENT BOND. THE APPROACH SLAB SHALL NOT BE CAST UNTIL THE CONCRETE BASE HAS REACHED AN AGE OF THREE CURING DAYS.

THE JOINT SHALL BE SAWSAWED PRIOR TO THE CASTING OF THE BARRIER RAIL WITH EVAZOTE JOINT SEAL FOR EVAZOTE JOINT SEALS, SEE SPECIAL PROVISIONS. THE NOMINAL UNCOMPRESSED SEAL WIDTH OF THE EVAZOTE JOINT SEAL SHALL BE 64mm.

BILL OF MATERIAL

APPROACH SLAB AT END BENT #2

BAR NO.	NO.	SIZE	TYPE	LENGTH	WEIGHT
*A1	100	16	STR	5340	829
A2	104	13	STR	5220	540
*B1	66	19	STR	7380	1089
B2	66	25	STR	7480	1961
*B3	14	16	STR	3560	77
*B4	2	16	3	1940	6
*B5	2	19	STR	3560	16
B6	2	25	STR	3560	28
*G1	8	16	5	1100	14

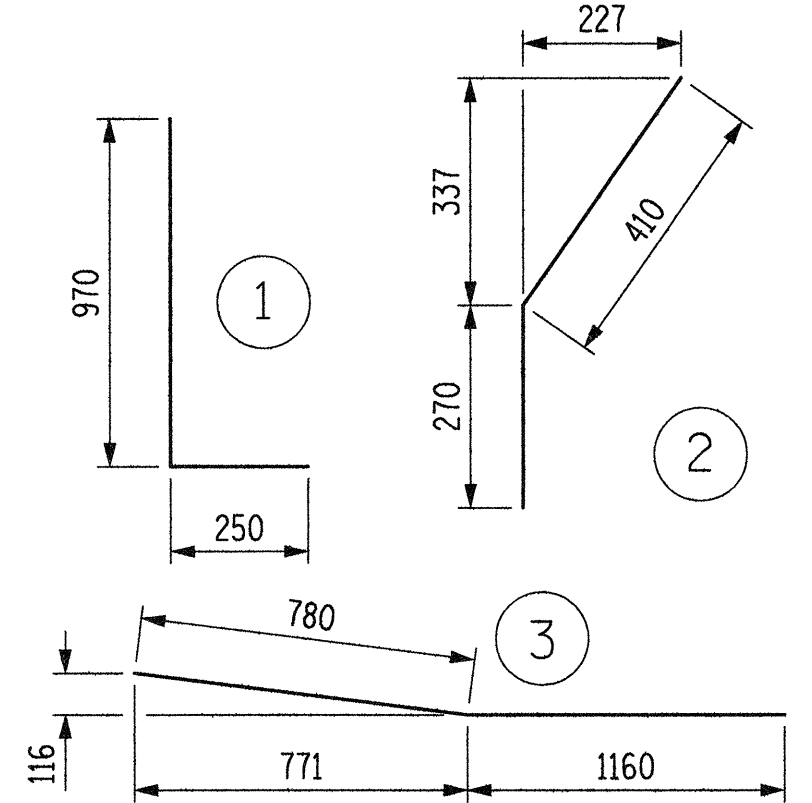
REINFORCING STEEL kg. 2529

* EPOXY COATED REINFORCING STEEL kg. 2259

CLASS AA CONCRETE BREAKDOWN

POUR	SLAB AND CURB	C. M.	WEIGHT
POUR 1	SLAB AND CURB	C. M.	23.7
POUR 2	RAIL	C. M.	1.6
CLASS AA CONCRETE		C. M.	25.3

BAR TYPES



ALL BAR DIMENSIONS ARE OUT TO OUT.

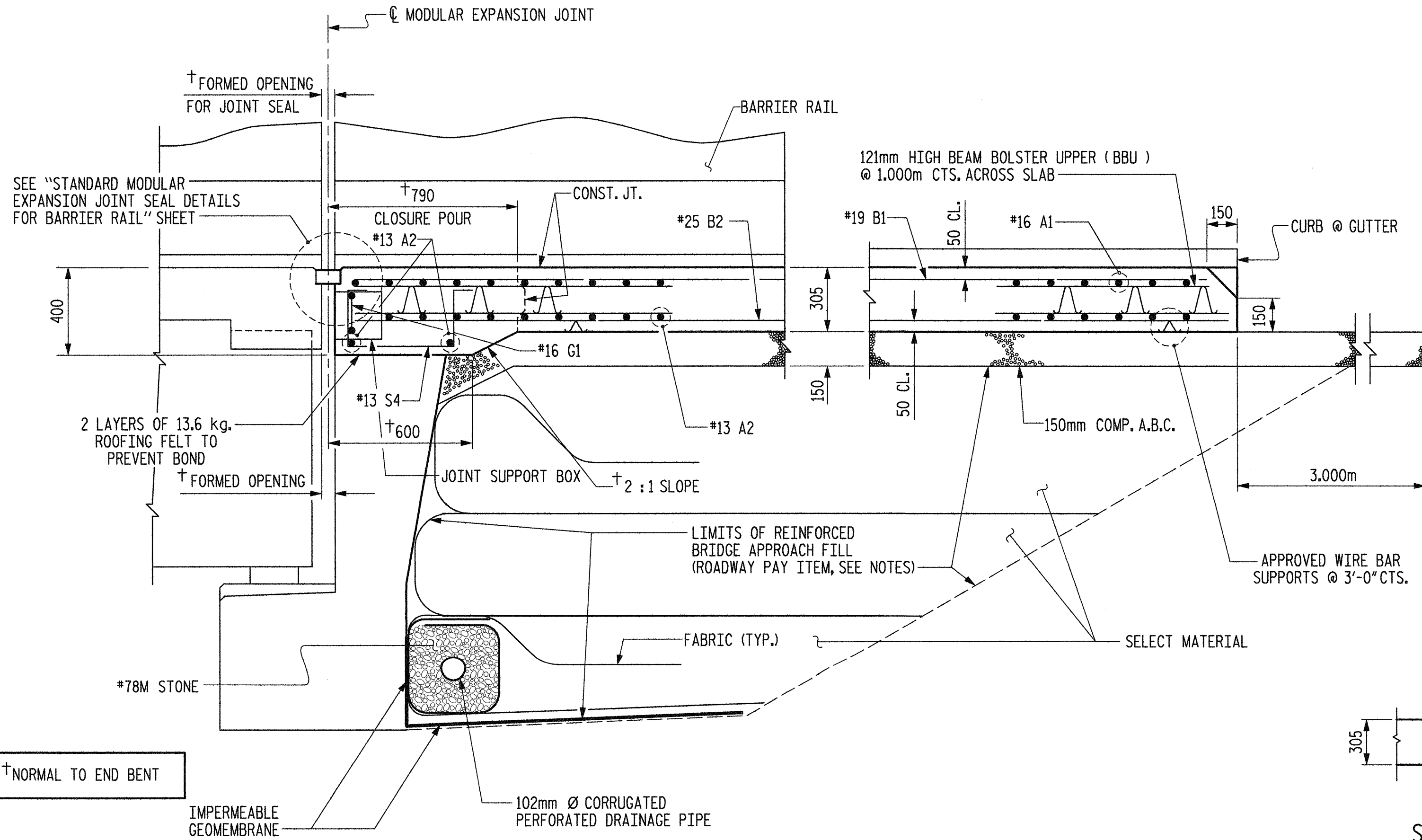
PRELIMINARY PLANS DO NOT USE FOR CONSTRUCTION

PROJECT NO. R-2552AA
WAKE-JOHNSTON COUNTY
STATION: 27+51.601 -I1Y1-

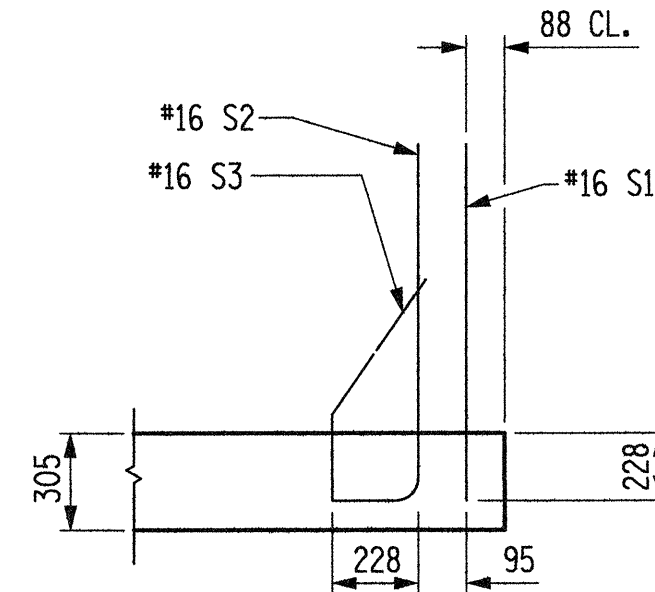
SHEET 2 OF 4

STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
RALEIGH
STANDARD
BRIDGE APPROACH SLAB
FOR FLEXIBLE PAVEMENT
WITH BARRIER RAIL

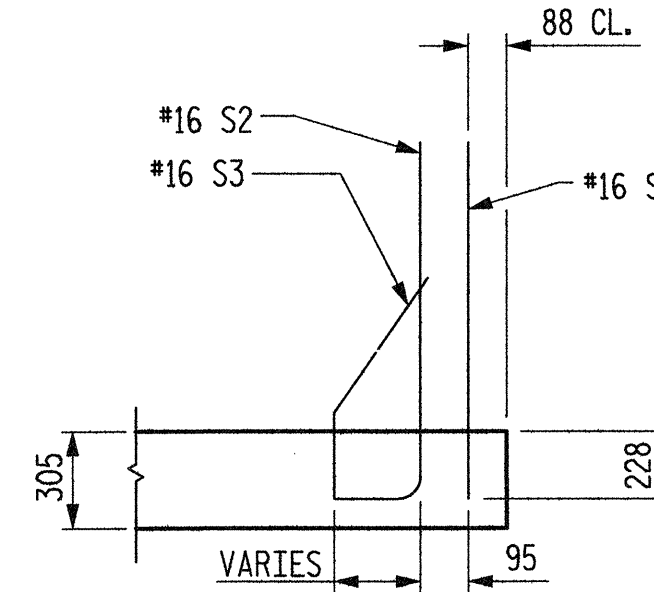
REVISIONS						SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:	
1			3			TOTAL SHEETS 429
2			4			



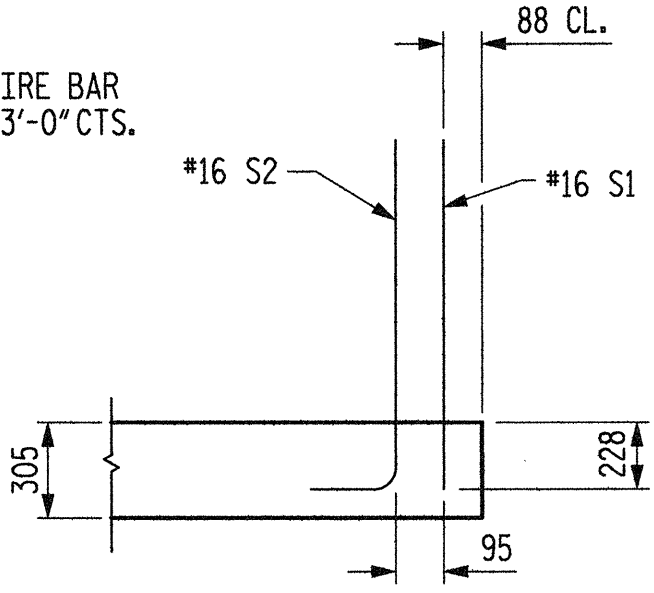
SECTION THRU SLAB



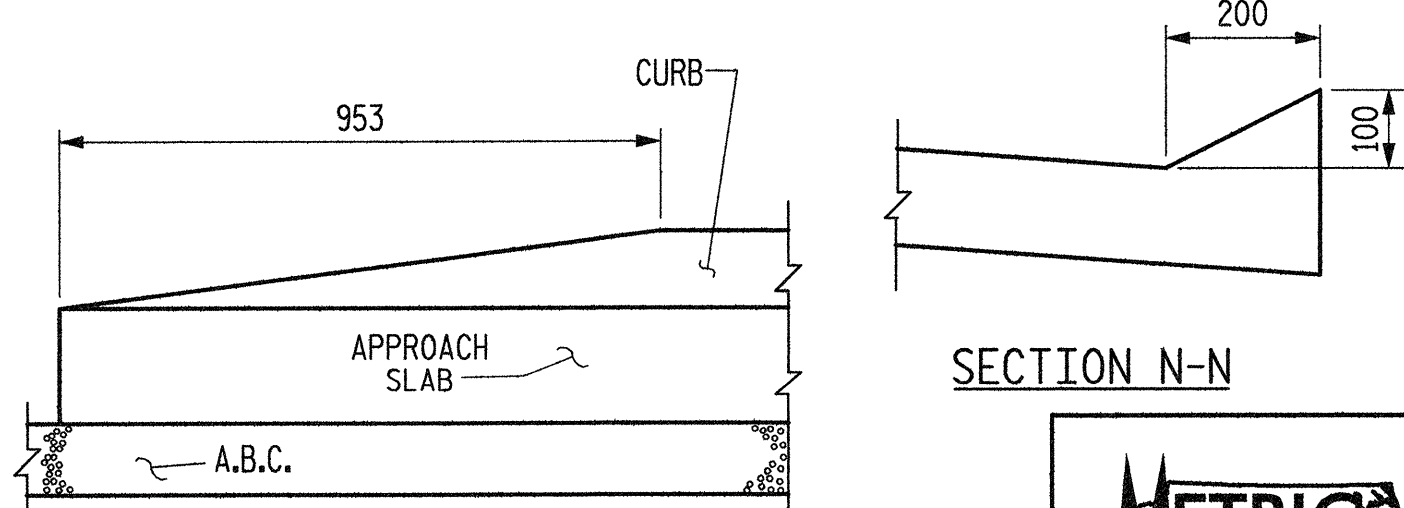
SECTION K-K



SECTION L-L



SECTION M-M



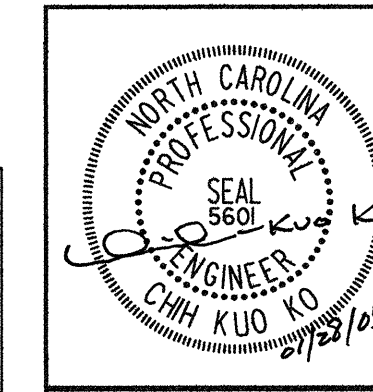
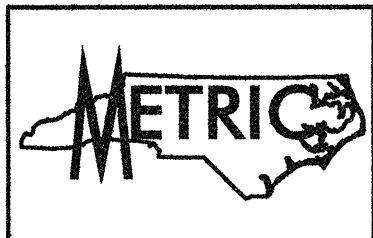
SECTION N-N

END OF CURB WITHOUT SHOULDER BERM GUTTER

CURB DETAILS

ASSEMBLED BY : B.E. LANNING	DATE : JAN. 2005
CHECKED BY : J.C. KO / A.K. ORR	DATE : JAN. 2005
DRAWN BY : RWW 8/01	ADDED 12/01
CHECKED BY : LES 8/01	REV. 5/7/03R RWW/JTE

Plans prepared by:
KO & ASSOCIATES, P.C.
Consulting Engineers
1011 SCHAUH DR., SUITE #202
RALEIGH, N.C. 27606
For Division of Highways



DWG. NO. 45

STD. NO. BAS5SM

PLO1: 01/28/2005
 FILE NAME: r-2552aa-std-noz_02.dgn
 07/05/08 AM Ko & Associates, P.C.