

PLAN OF APPROACH SLAB AT END BENT #1

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.

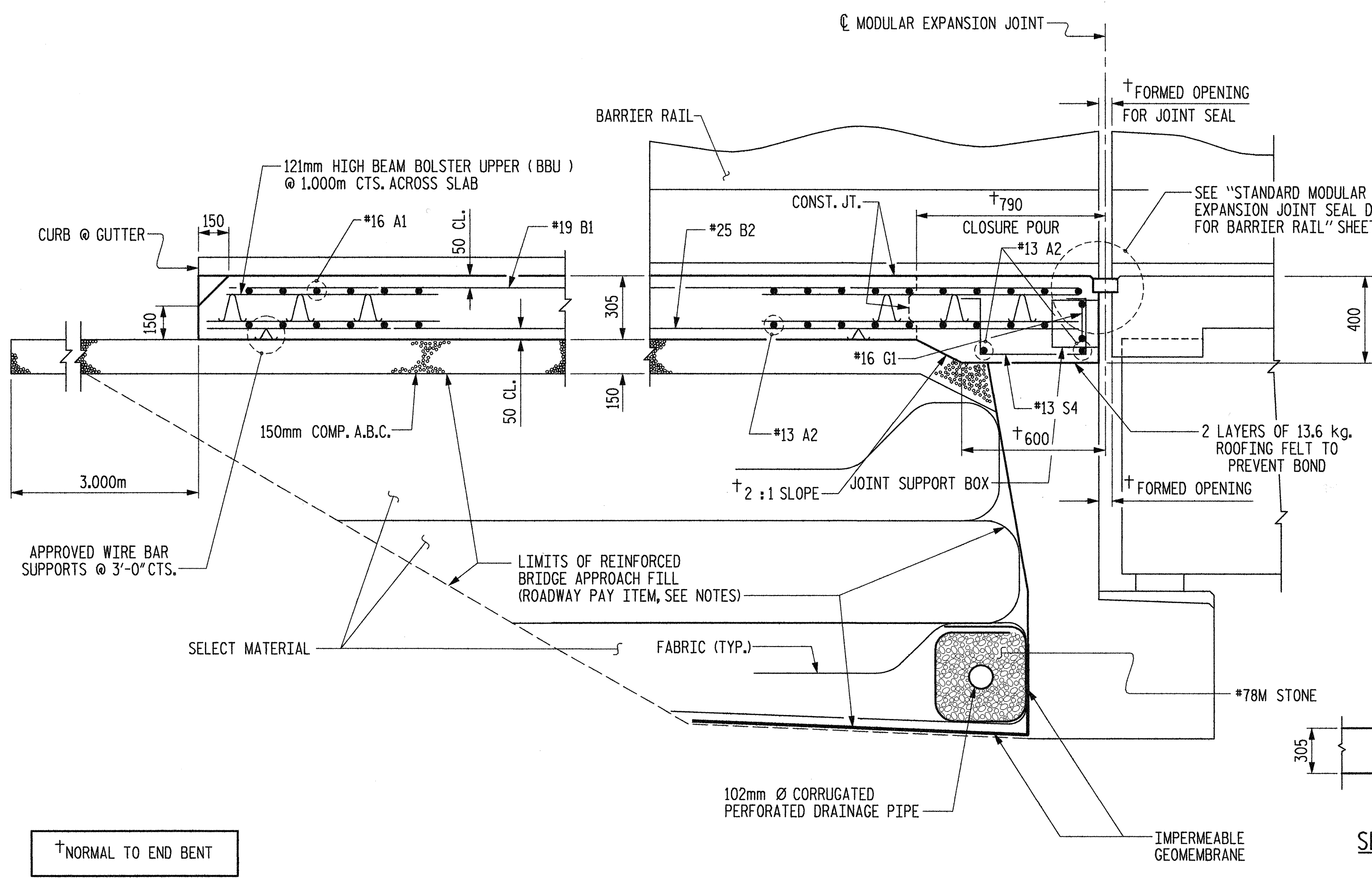
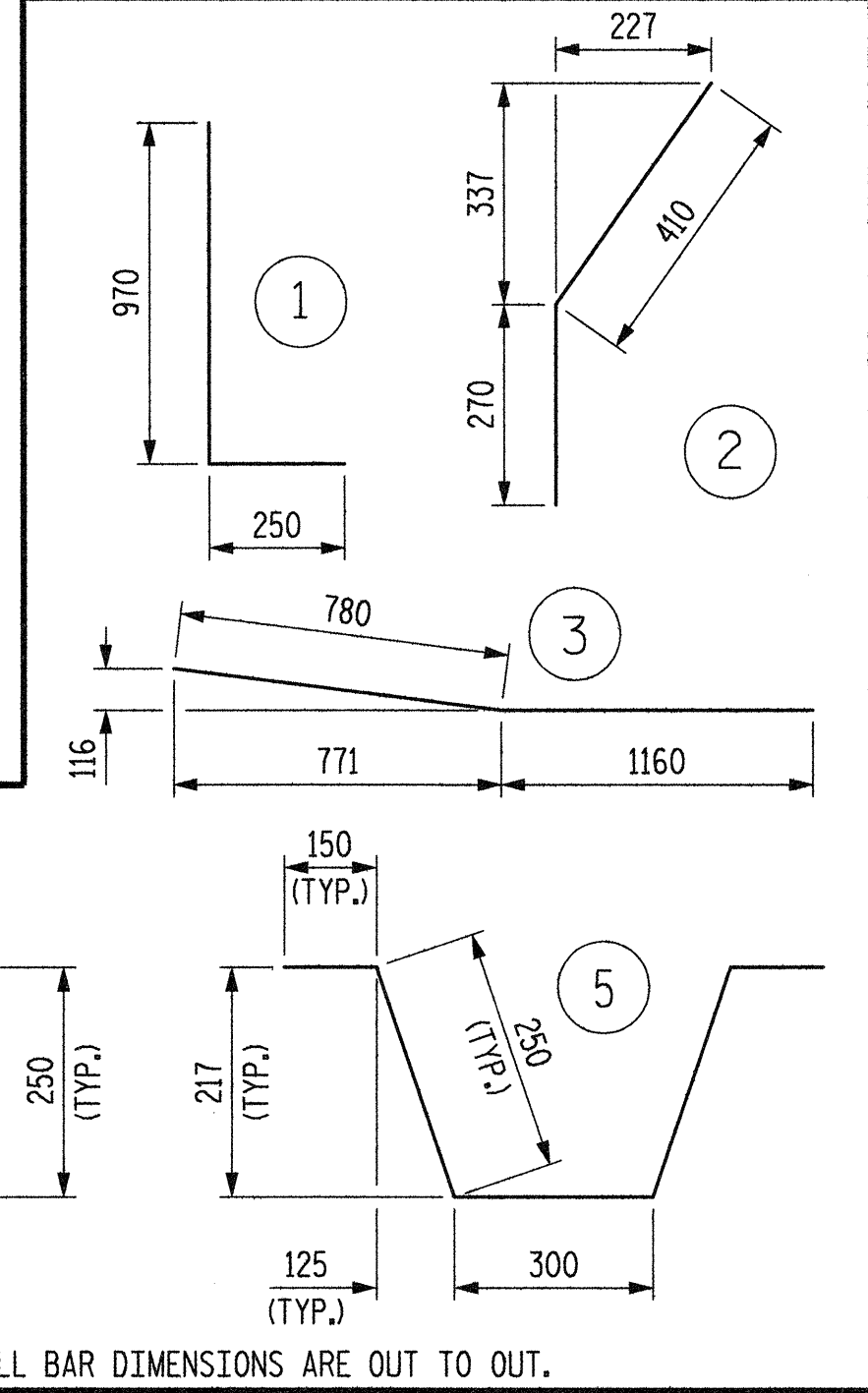
THE CONTRACTOR MAY USE 125mm CLASS "A" CONCRETE BASE IN LIEU OF 150mm COMP. A.B.C. IF THIS OPTION IS USED, THE CONCRETE BASE SHALL EXTEND 300mm BEYOND THE END OF THE APPROACH SLAB AND THE WIDTH SHALL BE THE SAME AS THAT OF THE APPROACH SLAB. THE CONCRETE SHALL BE FINISHED TO A SMOOTH SURFACE AND A LAYER 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 SAWED 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 84mm.

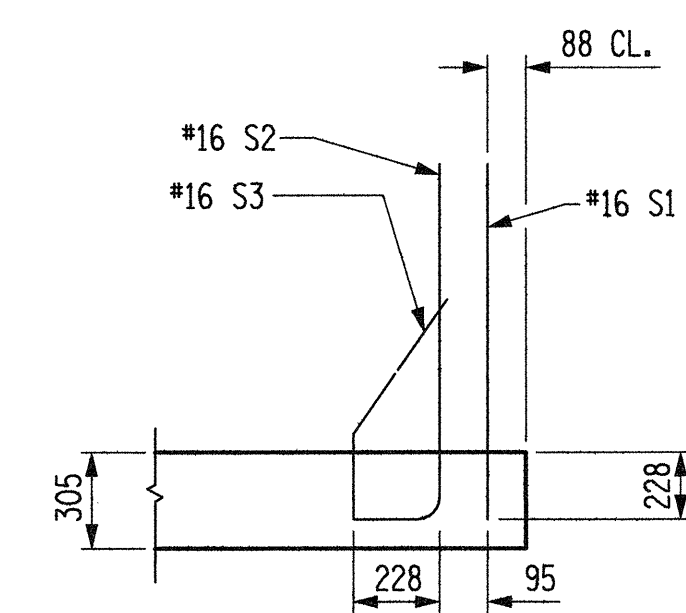
BILL OF MATERIAL

APPROACH SLAB AT END BENT #1						
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	
*S1	50	16	STR	980	76	
*S2	50	16	1	1220	95	
*S3	20	16	2	680	21	
*S4	33	13	4	1100	36	
REINFORCING STEEL					kg.	2529
* EPOXY COATED REINFORCING STEEL					kg.	2259
CLASS AA CONCRETE BREAKDOWN						
POUR 1	SLAB AND CURB	C. M.			23.7	
POUR 2	RAIL	C. M.			1.6	
CLASS AA CONCRETE					C. M.	25.3

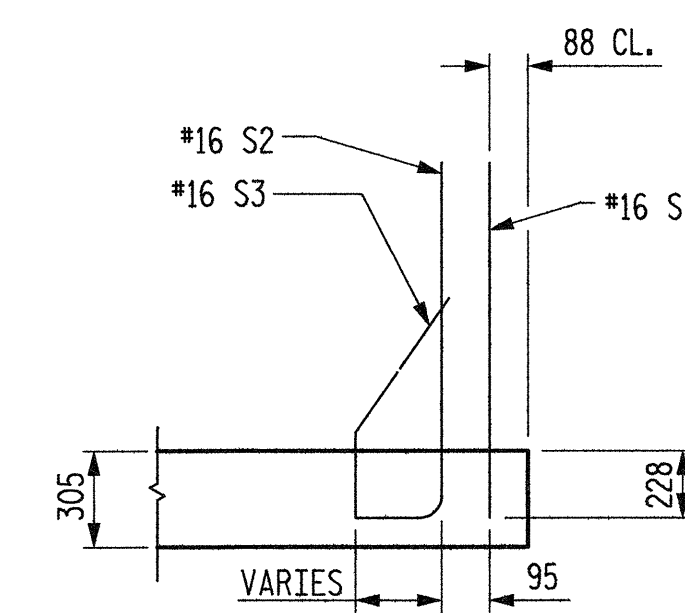
BAR TYPES



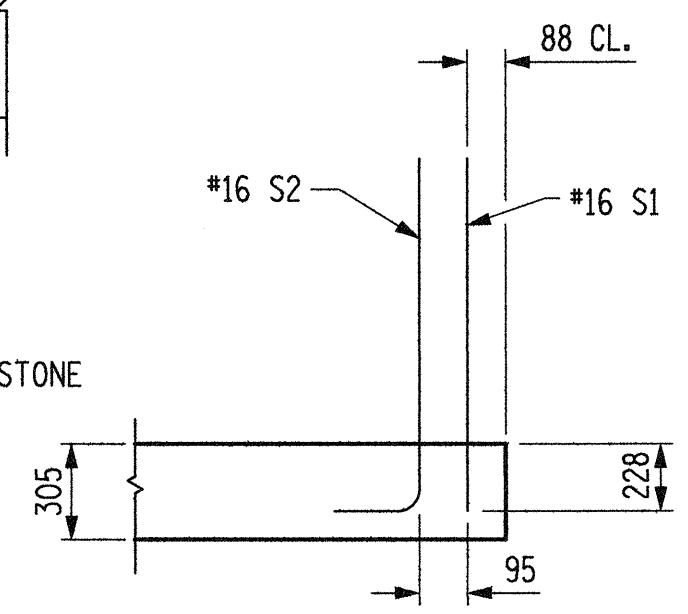
SECTION THRU SLAB



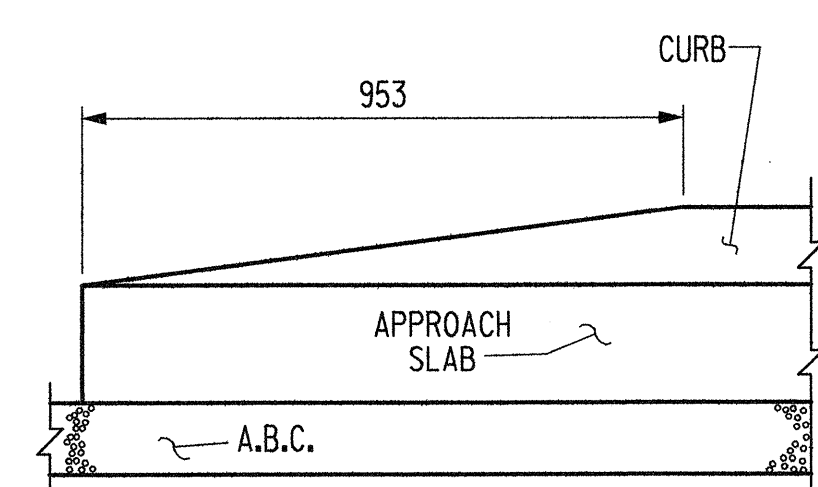
SECTION K-K



SECTION L-L



SECTION M-M



SECTION N-N

END OF CURB WITHOUT SHOULDER BERM GUTTER

CURB DETAILS

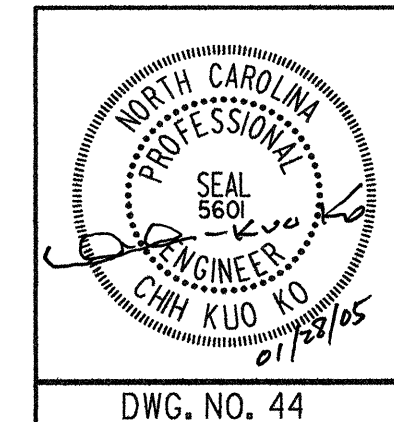
PROJECT NO. R-2552AA
 WAKE-JOHNSTON COUNTY
 STATION: 27+51.601 -I1Y1-

SHEET 1 OF 4

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

REVISIONS					
NO.	BY:	DATE:	NO.	BY:	DATE:
1			3		
2			4		

SHEET NO. 3-80
 TOTAL SHEETS 429



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

DWG. NO. 44

STD. NO. BAS5SM

PLOT: 01/28/2005 9:57:44 AM Ks & Associates, P.C.
 FILE NAME: r-2552aa.dwg

ASSEMBLED BY : B.E. LANNING DATE : JAN. 2005
 CHECKED BY : J.C. KO / A.K. ORR DATE : JAN. 2005
 DRAWN BY : RWW 8/01
 CHECKED BY : LES 8/01

ADDED 12/01
 REV. 5/7/03R RWW/JTE

†NORMAL TO END BENT