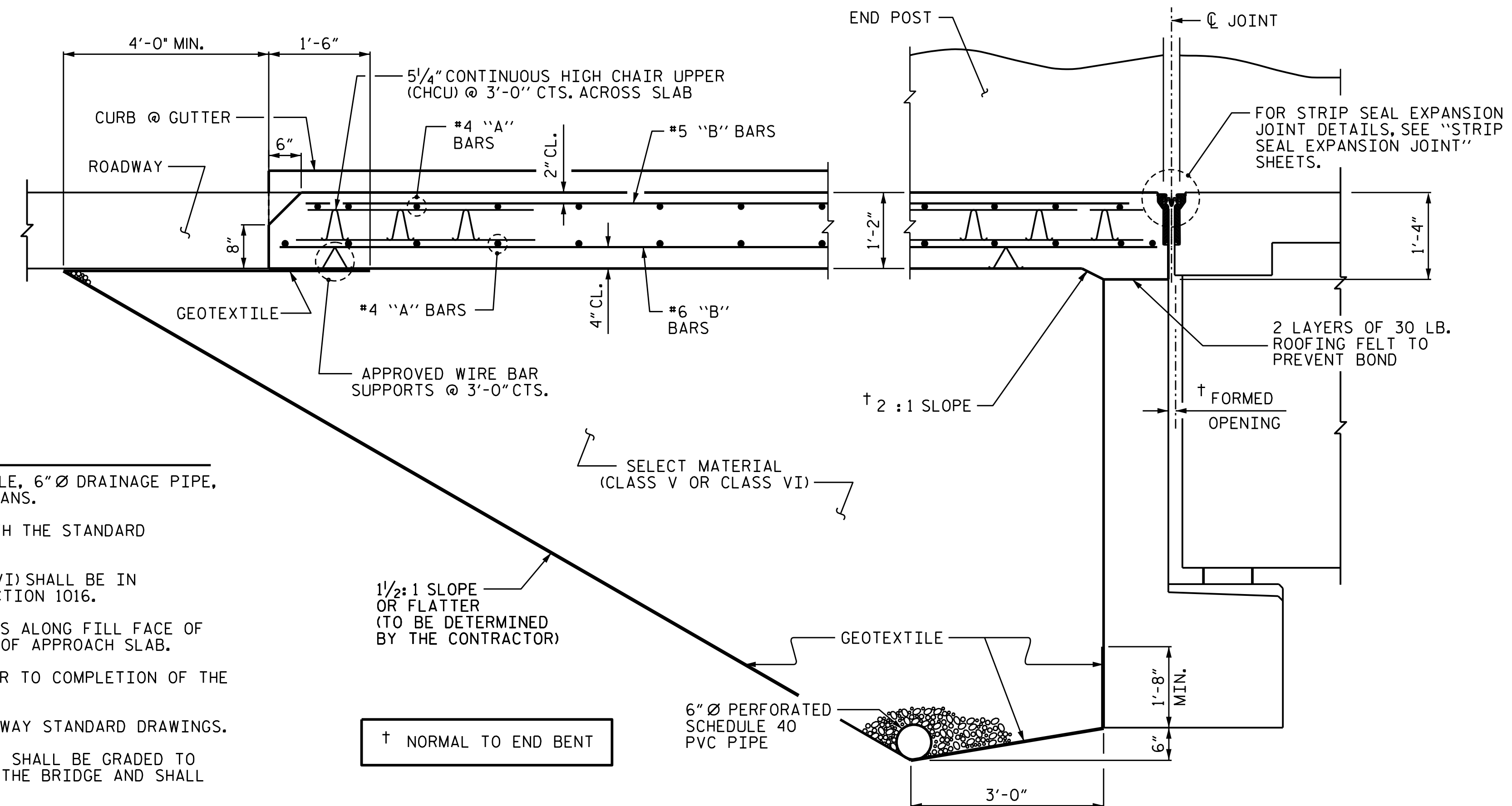


DETAIL A

* #5 B5 & #6 B6 TO BE FIELD BENT

SPLICE LENGTHS		
BAR SIZE	EPOXY COATED	UNCOATED
#4	1'-11"	1'-7"
#5	2'-5"	2'-0"
#6	3'-7"	2'-5"



SECTION THRU SLAB
(TYPE I - STANDARD APPROACH FILL)

NOTES

- FOR BRIDGE APPROACH FILL INCLUDING GEOTEXTILE, 6" Ø DRAINAGE PIPE, AND SELECT MATERIAL BACKFILL, SEE ROADWAY PLANS.
- GEOTEXTILE SHALL BE TYPE 1 IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS SECTION 1056.
- SELECT MATERIAL BACKFILL (CLASS V OR CLASS VI) SHALL BE IN ACCORDANCE WITH STANDARD SPECIFICATIONS SECTION 1016.
- SELECT MATERIAL BACKFILL IS TO BE CONTINUOUS ALONG FILL FACE OF BACKWALL FROM OUTSIDE EDGE TO OUTSIDE EDGE OF APPROACH SLAB.
- APPROACH SLAB SHALL NOT BE CONSTRUCTED PRIOR TO COMPLETION OF THE BRIDGE DECK.
- FOR THE 6" Ø DRAINAGE PIPE OUTLET(S), SEE ROADWAY STANDARD DRAWINGS.
- AREA BETWEEN THE WINGWALL AND APPROACH SLAB SHALL BE GRADED TO DRAIN THE WATER AWAY FROM THE FILL FACE OF THE BRIDGE AND SHALL BE PAVED. SEE ROADWAY PLANS.
- FOR STRIP SEAL EXPANSION JOINT, SEE SPECIAL PROVISIONS.

APPROACH SLAB BILL OF MATERIAL												
AP. SLAB @ EB1 STAGE 1						AP. SLAB @ EB2 STAGE 1						
BAR	NO.	SIZE	TYPE	LENGTH	WEIGHT	BAR	NO.	SIZE	TYPE	LENGTH	WEIGHT	
*A1	50	#4	STR	21'-11"	732	*A5	50	#4	STR	19'-7"	654	
A2	52	#4	STR	21'-7"	750	A6	52	#4	STR	19'-3"	669	
*B1	65	#5	STR	24'-0"	1627	*B1	64	#5	STR	24'-0"	1602	
B2	65	#6	STR	24'-7"	2400	B2	64	#6	STR	24'-7"	2363	
*B3	1	#5	STR	3'-4"	3	*B3	1	#5	STR	3'-4"	3	
B4	1	#6	STR	3'-4"	5	B4	1	#6	STR	3'-4"	5	
REINFORCING STEEL						REINFORCING STEEL						
* EPOXY COATED REINFORCING STEEL						* EPOXY COATED REINFORCING STEEL						
3155 LBS.						3037 LBS.						
2362 LBS.						2259 LBS.						
CLASS AA CONCRETE						CLASS AA CONCRETE						
35.0 C. Y.						34.4 C. Y.						
AP. SLAB @ EB1 STAGE 2						AP. SLAB @ EB2 STAGE 2						
BAR	NO.	SIZE	TYPE	LENGTH	WEIGHT	BAR	NO.	SIZE	TYPE	LENGTH	WEIGHT	
*A3	75	#4	STR	32'-4"	1620	*A7	50	#4	STR	38'-6"	1286	
A4	78	#4	STR	32'-1"	1672	A8	52	#4	STR	38'-4"	1332	
*B1	135	#5	STR	24'-0"	3379	*B1	137	#5	STR	24'-0"	3429	
B2	135	#6	STR	24'-7"	4985	B2	137	#6	STR	24'-7"	5059	
*B3	1	#5	STR	3'-4"	3	*B3	1	#5	STR	3'-4"	3	
B4	1	#6	STR	3'-4"	5	B4	1	#6	STR	3'-4"	5	
*B5	2	#5	STR	21'-3"	44							
B6	2	#6	STR	21'-3"	64	REINFORCING STEEL						6396 LBS.
*B7	3	#5	STR	2'-10"	9	* EPOXY COATED REINFORCING STEEL						4718 LBS.
B8	3	#6	STR	3'-4"	15	CLASS AA CONCRETE						75.9 C. Y.
*B9	2	#5	STR	4'-1"	9	** QUANTITIES FOR END POST ARE NOT INCLUDED. SEE SHEET 4 OF 4.						
B10	2	#6	STR	4'-7"	14							
*B11	2	#5	STR	5'-0"	10							
B12	2	#6	STR	5'-6"	17							
*B13	2	#5	STR	6'-1"	13							
B14	2	#6	STR	6'-7"	20							
*B15	1	#5	STR	7'-7"	8							
B16	1	#6	STR	8'-1"	12							
*B17	1	#5	STR	8'-4"	9							
B18	1	#6	STR	8'-10"	13							
*B19	1	#5	STR	9'-3"	10							
B20	1	#6	STR	9'-9"	15							
*B21	1	#5	STR	10'-4"	11							
B22	1	#6	STR	10'-10"	16							
*B23	1	#5	STR	11'-4"	12							
B24	1	#6	STR	11'-10"	18							
*B25	2	#5	STR	12'-10"	27							
B26	2	#6	STR	13'-4"	40							
*B27	2	#5	STR	16'-5"	34							
B28	2	#6	STR	16'-11"	51							
REINFORCING STEEL						6957 LBS.						
* EPOXY COATED REINFORCING STEEL						5198 LBS.						
CLASS AA CONCRETE						76.3 C. Y.						

PROJECT NO. R-2566BA
WATAUGA COUNTY
STATION: 164+30.00 -L-
SHEET 3 OF 4

STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
RALEIGH

BRIDGE APPROACH SLAB FOR FLEXIBLE PAVEMENT

Professional Engineer Seal: Marshall G. Cheek, Jr., No. 20125, State of North Carolina, Exp. 12/31/2025.

7/30/2021 | 1:43 PM EDT

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

TGS ENGINEERS
706 HILLSBOROUGH STREET SUITE 200
RALEIGH, NC 27603
PH (919) 773-8887
CORP. LICENSE NO.: C-0275

REVISIONS						SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:	TOTAL SHEETS
1			3			79
2			4			

ASSEMBLED BY : STM	DATE : 02/19
CHECKED BY : S.B. WILLIAMS	DATE : 06/21
DRAWN BY : RH 5/99	REV. 6/13 MAA/GM
CHECKED BY : RDR 5/99	REV. 12/17 MAA/THC
	REV. 06/19 BNB/THC