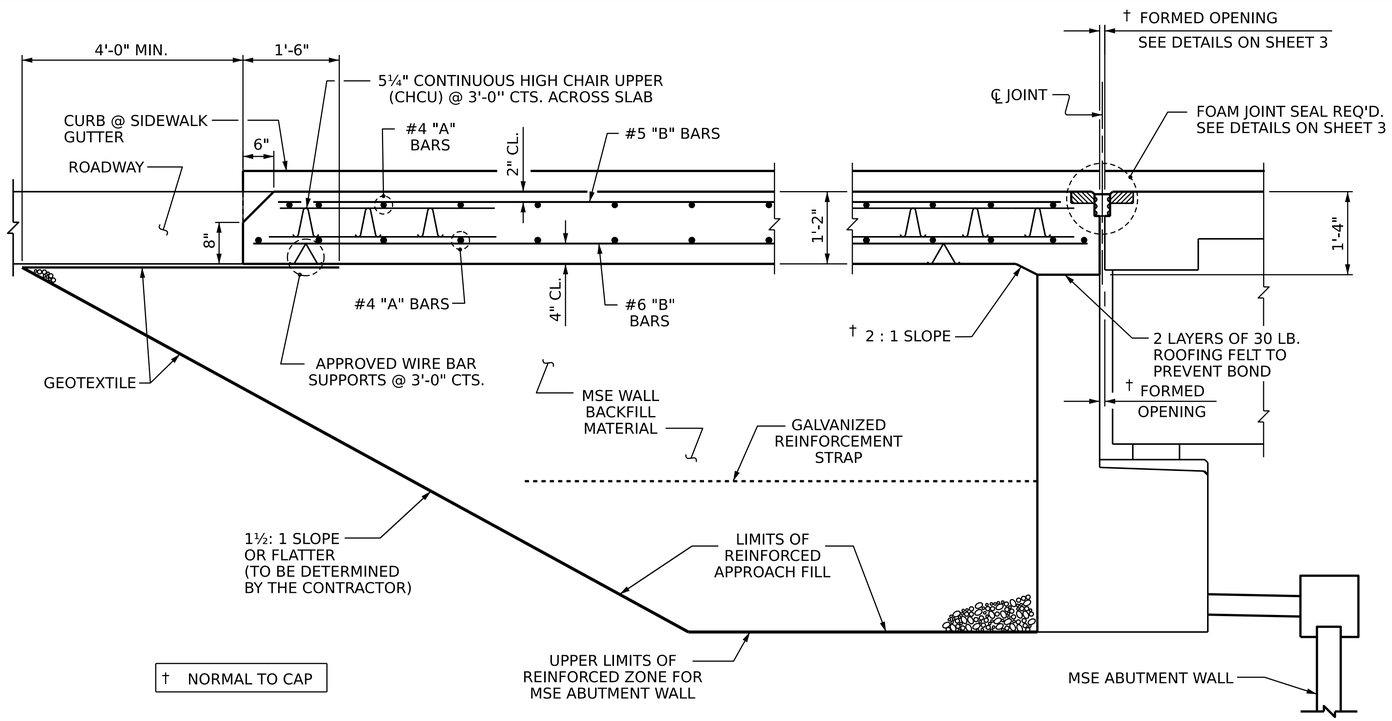
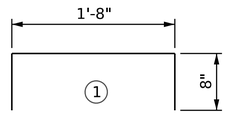


SECTION THRU SLAB

(TYPE III - REINFORCED APPROACH FILL)

BAR TYPES



BAR DIMENSIONS ARE OUT TO OUT

NOTES

FOR BRIDGE APPROACH FILL INCLUDING GEOTEXTILE, MSE WALL REINFORCEMENT, AND BACK FILL MATERIAL, SEE ROADWAY PLANS.

GEOTEXTILE SHALL BE TYPE 1 IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS SECTION 1056.

BACKFILL MATERIAL IS GOING TO BE THE AGGREGATE USED IN THE REINFORCED ZONE FOR THE MSE RETAINING WALL.

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

THE JOINT SHALL BE SAWED PRIOR TO THE CASTING OF THE BARRIER RAIL OR PARAPET AND END POST.

AREA LEFT AND RIGHT OF APPROACH SLAB SHALL BE GRADED TO DRAIN THE WATER AWAY FROM THE FILL FACE OF THE BRIDGE AND SHALL BE PAVED. SEE ROADWAY PLANS.

WITH FOAM JOINT SEAL

FOR FOAM JOINT SEALS, SEE SPECIAL PROVISIONS.

THE NOMINAL UNCOMPRESSED SEAL WIDTH OF THE FOAM JOINT SEAL SHALL BE 2".

FOR ELASTOMERIC CONCRETE, SEE SPECIAL PROVISIONS.

SPLICE LENGTHS

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

BILL OF MATERIAL

STAGE I & III

FOR ONE APPROACH SLAB (2 REQ'D)

BAR	NO.	SIZE	TYPE	LENGTH	WEIGHT
✱ A1	25	#4	STR	39'-4"	657
A2	26	#4	STR	39'-0"	677
✱ B1	69	#5	STR	23'-7"	1697
B2	69	#6	STR	24'-7"	2548
✱ B3	5	#4	STR	24'-7"	82
✱ G1	25	#4	STR	5'-3"	88

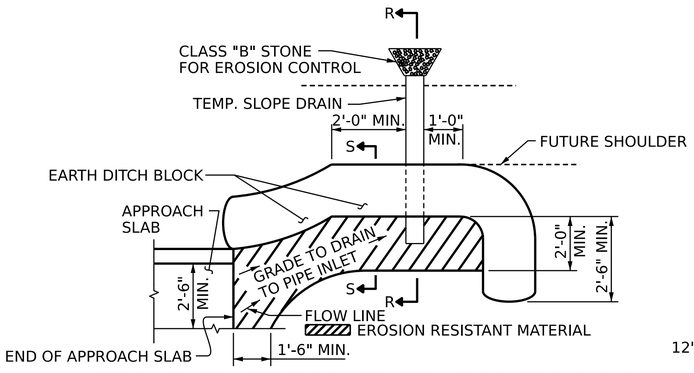
REINFORCING STEEL	3,225 LBS.
✱ EPOXY COATED REINFORCING STEEL	2,524 LBS.
CLASS AA CONCRETE	
POUR #1 (SLAB) (STAGE I)	37.4 C.Y.
POUR #2 (SIDEWALK) (STAGE III)	3.1 C.Y.
CLASS AA CONCRETE	40.5 C.Y.

STAGE II

FOR ONE APPROACH SLAB (2 REQ'D)

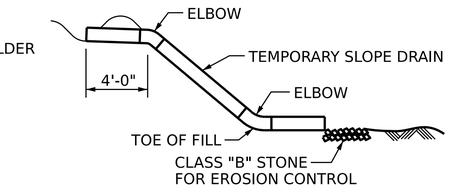
BAR	NO.	SIZE	TYPE	LENGTH	WEIGHT
✱ A3	50	#4	STR	26'-7"	888
A4	52	#4	STR	26'-3"	912
✱ B1	92	#5	STR	23'-7"	2263
B2	92	#6	STR	24'-7"	3397
✱ B3	5	#4	STR	24'-7"	82
✱ G1	25	#4	STR	5'-3"	88
✱ U1	10	#4	1	3'-0"	20

REINFORCING STEEL	4,309 LBS.
✱ EPOXY COATED REINFORCING STEEL	3,341 LBS.
CLASS AA CONCRETE	
POUR #1 (SLAB)	49.9 C.Y.
POUR #2 (SIDEWALK)	3.1 C.Y.
CLASS AA CONCRETE	53.0 C.Y.

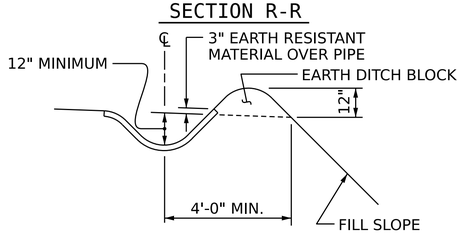


NOTE: IMMEDIATELY AFTER THE CONSTRUCTION OF THE APPROACH SLAB, THE CONTRACTOR SHALL PROVIDE TEMPORARY BERM AND SLOPE DRAIN. CONTRACTOR SHALL GRADE TO PIPE INLET AND PROVIDE EROSION RESISTANT MATERIAL AS SHOWN. THE EROSION RESISTANT MATERIAL SHALL BE EITHER 1) ASPHALT PLANT MIX, TYPE 1 OR TYPE 2, MIN. 2" DEPTH, 2) EROSION CONTROL MAT, OR 3) CONCRETE, AS DIRECTED BY THE ENGINEER. THE SLOPE DRAIN SHALL CONSIST OF A NON-PERFORATED TEMPORARY DRAINAGE PIPE, 12 INCHES IN DIAMETER.

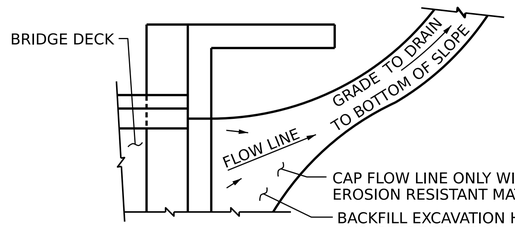
PLAN VIEW



SECTION R-R



SECTION S-S



NOTE: IF THE APPROACH SLAB IS NOT CONSTRUCTED IMMEDIATELY AFTER THE BACKFILLING OF THE END BENT EXCAVATION, GRADE TO DRAIN TO THE BOTTOM OF THE SLOPE AND PROVIDE EROSION RESISTANT MATERIAL, SUCH AS FIBERGLASS ROVING OR AS DIRECTED BY THE ENGINEER TO PREVENT SOIL EROSION AND TO PROTECT THE AREA ADJACENT TO THE STRUCTURE. THE CONTRACTOR WILL BE REQUIRED TO REMOVE THESE MATERIALS PRIOR TO CONSTRUCTION OF THE APPROACH SLAB.

TEMPORARY DRAINAGE DETAIL

TEMPORARY BERM AND SLOPE DRAIN DETAILS

(TO BE USED WHEN SHOULDER BERM GUTTER IS REQUIRED)

ASSEMBLED BY : M.L. CATER		DATE : 10/2022	
CHECKED BY : G. COLS		DATE : 10/2022	
DRAWN BY : EEM	3/95	REV. 6/13	MAA/GM
CHECKED BY : VAP	3/95	REV. 12/17	MAA/THC
		REV. 6/19	BNB/THC

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

AECOM
AECOM TECHNICAL SERVICES OF NC, INC.
5438 WADE PARK BOULEVARD, SUITE 200
RALEIGH, NC 27607
(919) 854-6200
www.aecom.com
AECOM License No. F-0342

NORTH CAROLINA PROFESSIONAL SEAL 040343 ENGINEER GREGORY R. COLS
DocuSigned by:
2/19/2023

STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
RALEIGH

BRIDGE APPROACH SLAB

PROJECT NO. BR-0041
ROCKINGHAM COUNTY
STATION: POT 34+73.00 -L-

SHEET 2 OF 2

REVISIONS						SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:	S-47
1			3			TOTAL SHEETS
2			4			48

STD. NO. BAS 2

2/6/2023
c:\pwworking\aecom_ds21_na_2020\d0125629\401_093_BR-0041_SMU_BAS2_S1-47_780001.dgn
daniel.drum