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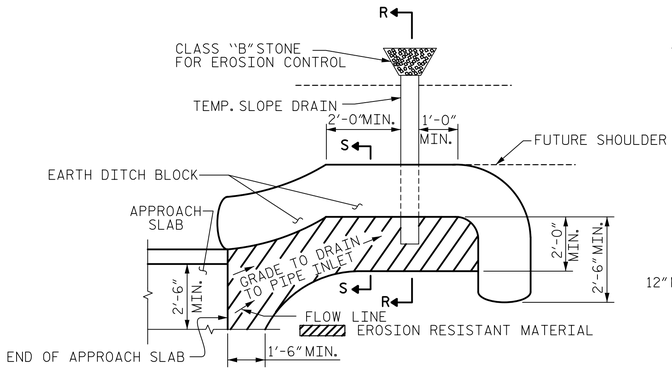
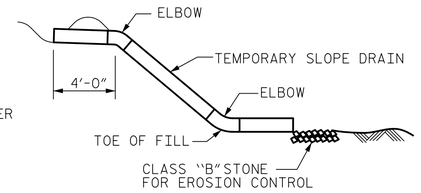
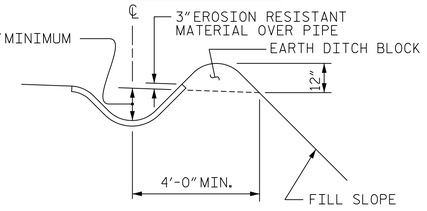


NOTE: IMMEDIATELY AFTER THE CONSTRUCTION OF THE APPROACH SLAB, THE CONTRACTOR SHALL PROVIDE TEMPORARY BERM AND SLOPE DRAIN. CONTRACTOR SHALL GRADE TO PIPE INLET AND PROVIDE EROSION RESISTANT MATERIAL AS SHOWN. THE EROSION RESISTANT MATERIAL SHALL BE EITHER 1) ASPHALT PLANT MIX, TYPE 1 OR TYPE 2, MIN. 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.

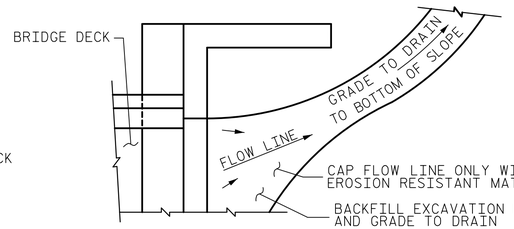
PLAN VIEW



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

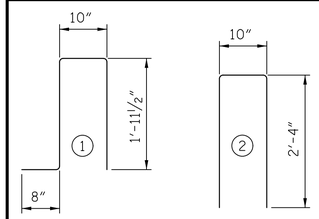
NOTES

THE COST OF THE CONCRETE PARAPET ON THE APPROACH SLAB SHALL BE INCLUDED IN THE LINEAR FOOT CONTRACT PRICE BID FOR "1'-2" X 2'-6" CONCRETE PARAPET".

FOR ADDITIONAL NOTES ON CONCRETE PARAPET AND END POSTS, SEE "SUPERSTRUCTURE CONCRETE PARAPET RAIL".

QUANTITIES FOR CONCRETE PARAPET AND END POST SHOWN ARE FOR 10'-0" SEGMENT LOCATED ON APPROACH SLAB. (TOTAL FOR 4 LOCATIONS)

BAR TYPES



ALL BAR DIMENSIONS ARE OUT TO OUT

BILL OF MATERIAL

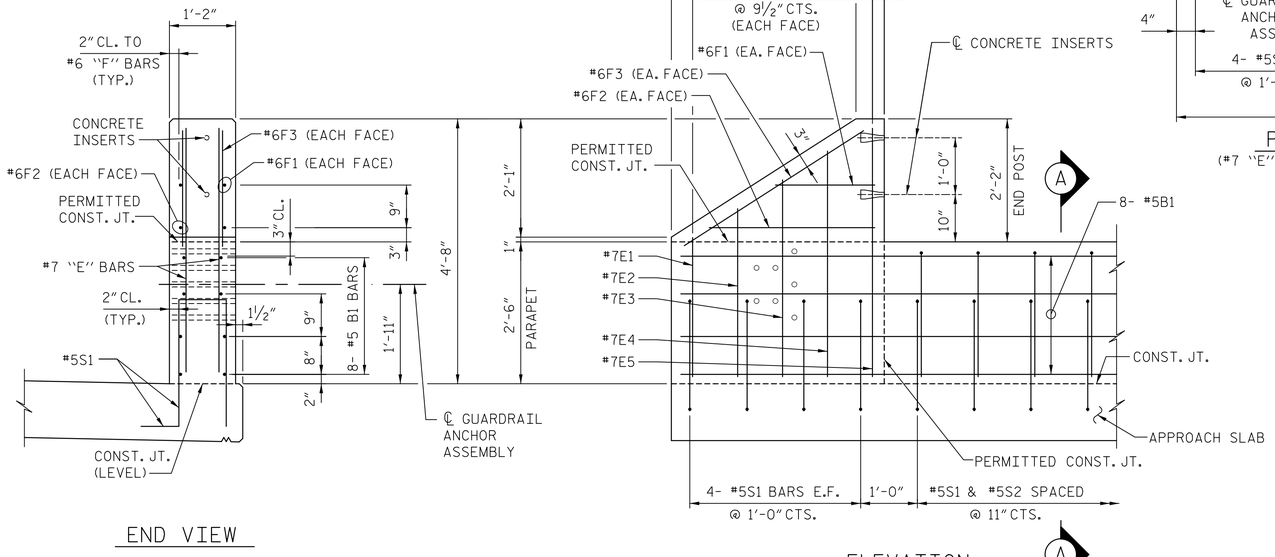
CONCRETE PARAPET AND END POST

BAR	NO.	SIZE	TYPE	LENGTH	WEIGHT
✱B1	32	#5	STR	9'-8"	323
✱E1	8	#7	STR	2'-6"	41
✱E2	8	#7	STR	3'-0"	49
✱E3	8	#7	STR	3'-6"	57
✱E4	8	#7	STR	4'-0"	65
✱E5	8	#7	STR	4'-4"	71
✱F1	8	#6	STR	1'-9"	21
✱F2	8	#6	STR	2'-11"	35
✱F3	8	#6	STR	3'-9"	45
✱S1	44	#5	1	5'-5"	249
✱S2	28	#5	2	5'-6"	161

✱EPOXY COATED REINFORCING STEEL	LBS.	1117
CLASS AA CONCRETE	C.Y.	5.1
1'-2" x 2'-6" CONCRETE PARAPET	40.0	LIN. FT.

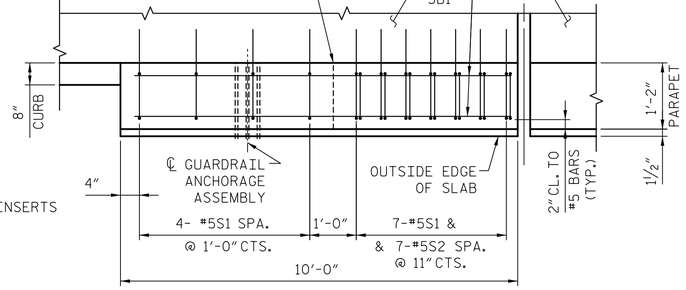
TEMPORARY BERM AND SLOPE DRAIN DETAILS

(TO BE USED WHEN SHOULDER BERM GUTTER IS REQUIRED)



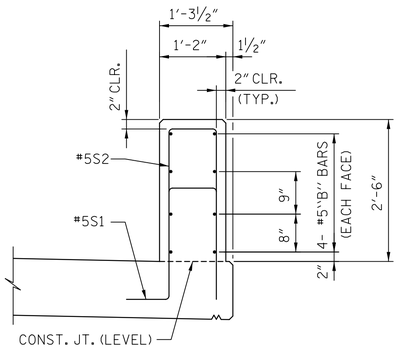
END VIEW

ELEVATION

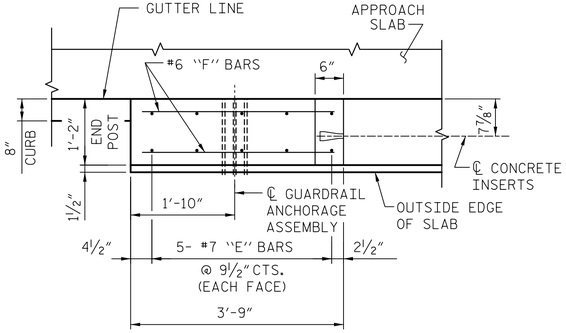


PLAN OF PARAPET

(#7 "E" BARS NOT SHOWN FOR CLARITY)



SECTION "A-A"



PLAN OF END POST

PARAPET AND END POST FOR TWO BAR METAL RAIL

PROJECT NO. U-2707

FORSYTH COUNTY

STATION: 90+25.00 -L-

SHEET 2 OF 2 BRIDGE NO. 656

AECOM
AECOM TECHNICAL SERVICES, INC.
701 CORPORATE CENTER DRIVE, SUITE 475
RALEIGH, NC 27607
(919) 854-6200 www.aecom.com
AECOM License No. F-0342

NORTH CAROLINA PROFESSIONAL SEAL 030474 ENGINEER JOHN C. MORRISON
DocuSigned by: John C. Morrison
1/12/2016

STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
RALEIGH

BRIDGE APPROACH SLAB DETAILS

REVISIONS						SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:	S-42
1			3			TOTAL SHEETS
2			4			86

DRAWN BY : KHC DATE : 11/2015
CHECKED BY : JCM DATE : 11/2015

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

DATE: 1/12/2016
TIME: 9:26:26 AM
USER: kyle_compton
DGN: RdsBridge 656\Cadd\401_083_U2707_SMU_S42_AS02.dgn