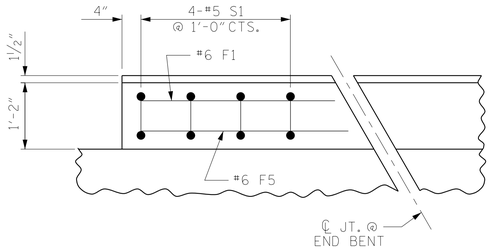
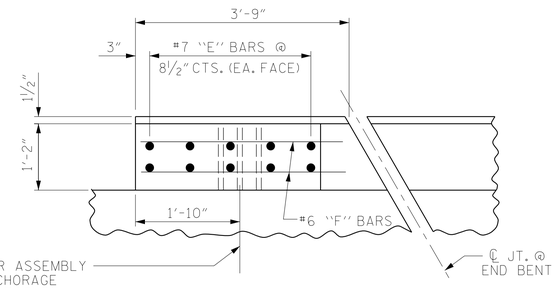
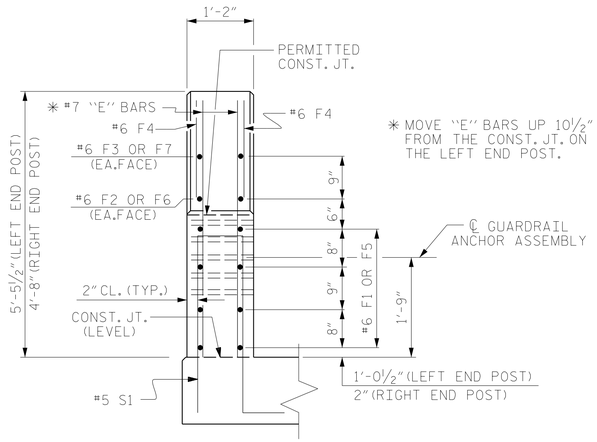


PLAN OF PARAPET

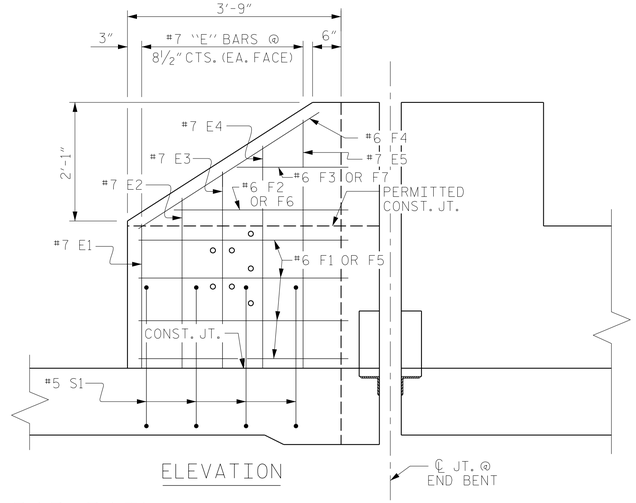


PLAN OF END POST

END BENT 1 SHOWN, END BENT 2 SIMILAR.
LEFT END POST SHOWN, RIGHT END POST SIMILAR WITH 8" CURB.

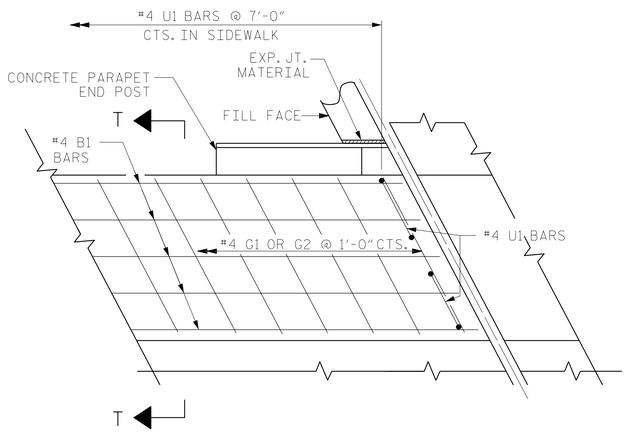


END VIEW



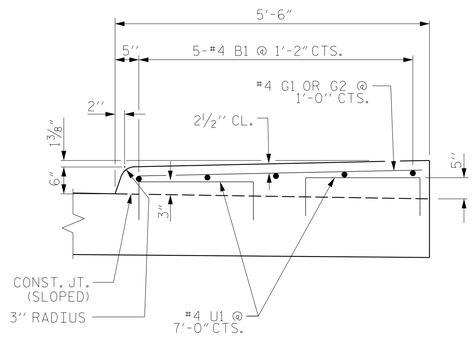
ELEVATION

END POST FOR TWO BAR RAIL



PLAN

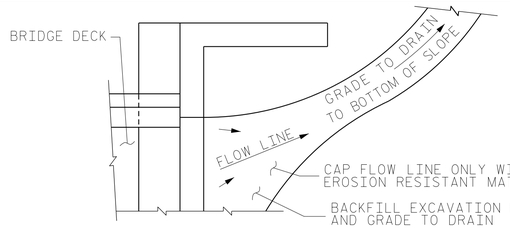
END BENT 1 SHOWN, END BENT 2 SIMILAR
G1 BARS AT END BENT 1
G2 BARS AT END BENT 2



SECTION T-T

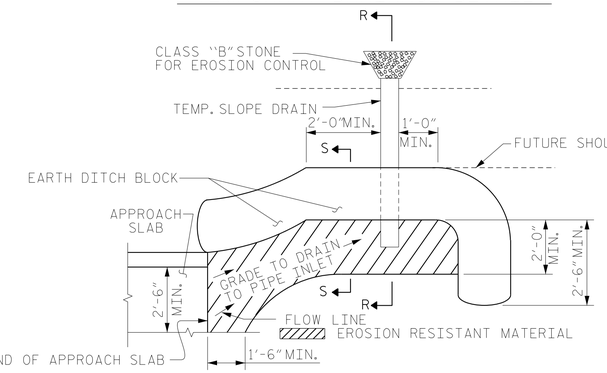
U1 BARS MAY BE PUSHED INTO GREEN
CONCRETE AFTER SLAB HAS BEEN SCREEDED OFF

DETAILS OF SIDEWALK ON APPROACH SLAB



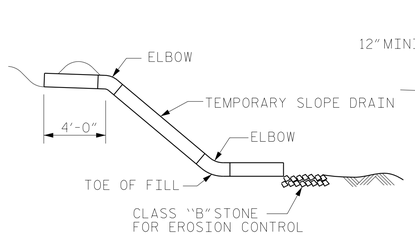
NOTE: IF THE APPROACH SLAB IS NOT CONSTRUCTED IMMEDIATELY AFTER THE BACKFILLING OF THE END BENT EXCAVATION, GRADE TO DRAIN TO THE BOTTOM OF THE SLOPE AND PROVIDE EROSION RESISTANT MATERIAL, SUCH AS FIBERGLASS ROVING OR AS DIRECTED BY THE ENGINEER TO PREVENT SOIL EROSION AND TO PROTECT THE AREA ADJACENT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

TEMPORARY DRAINAGE DETAIL

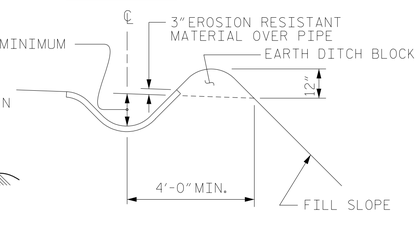


NOTE: IMMEDIATELY AFTER THE CONSTRUCTION OF THE APPROACH SLAB, THE CONTRACTOR SHALL PROVIDE TEMPORARY BERM AND SLOPE DRAIN. CONTRACTOR SHALL GRADE TO PIPE INLET AND PROVIDE EROSION RESISTANT MATERIAL AS SHOWN. THE EROSION RESISTANT MATERIAL SHALL BE EITHER 1) ASPHALT PLANT MIX, TYPE 1 OR TYPE 2, MIN.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

TEMPORARY BERM AND SLOPE DRAIN DETAILS

(TO BE USED WHEN SHOULDER BERM GUTTER IS REQUIRED)

NOTES

THE COST OF THE END POST ON THE APPROACH SLAB SHALL BE INCLUDED IN THE LINEAR FOOT CONTRACT PRICE BID FOR CONCRETE PARAPET.

THE SIDEWALK AND END POST ON EACH APPROACH SLAB SHALL NOT BE CAST UNTIL ALL APPROACH SLAB CONCRETE HAS BEEN CAST AND HAS REACHED A MINIMUM COMPRESSIVE STRENGTH OF 3,000 PSI.

GROOVED CONTRACTION JOINTS, ½" IN DEPTH, SHALL BE TOOLED IN ALL EXPOSED FACES OF THE SIDEALK IN ACCORDANCE WITH ARTICLE 825-10(B) OF THE STANDARD SPECIFICATIONS. THE CONTRACTION JOINTS SHALL BE LOCATED AT A SPACING OF 8 FT. TO 10 FT. BETWEEN EXPANSION JOINTS. NO CONTRACTION JOINTS WILL BE REQUIRED FOR SEGMENTS LESS THAN 10 FT. IN LENGTH.

ALL REINFORCING STEEL IN END POSTS AND SIDEWALK SHALL BE EPOXY COATED.

"E" BARS IN THE RIGHT END POST SHALL BE FIELD CUT TO FIT, FIELD CUT EPOXY COATING SHALL BE REPAIRED PER STANDARD SPECIFICATION 1070-7.

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

BILL OF MATERIAL

END POST (4 REQ'D)

BAR	NO.	SIZE	TYPE	LENGTH	WEIGHT
* E1	2	#7	STR	3'-4"	14
* E2	2	#7	STR	3'-9"	15
* E3	2	#7	STR	4'-4"	18
* E4	2	#7	STR	4'-8"	19
* E5	2	#7	STR	5'-2"	21
* F1	4	#6	STR	3'-7"	22
* F2	1	#6	STR	2'-6"	4
* F3	1	#6	STR	1'-5"	2
* F4	2	#6	STR	3'-8"	11
* F5	4	#6	STR	4'-3"	26
* F6	1	#6	STR	3'-2"	5
* F7	1	#6	STR	2'-1"	3
* S1	4	#5	1	7'-4"	31

* EPOXY COATED REINFORCING STEEL	191 LBS.
CLASS AA CONCRETE	3.3 C.Y.
TOTAL LINEAR FEET OF CONCRETE PARAPET	3.75 LIN. FT.

SIDEWALK @ END BENT 1

BAR	NO.	SIZE	TYPE	LENGTH	WEIGHT
* B1	5	#4	STR	14'-7"	49
* G1	15	#4	STR	7'-7"	76
* U1	6	#4	2	4'-6"	18

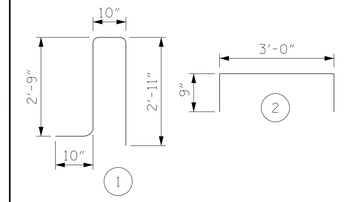
* EPOXY COATED REINFORCING STEEL	143 LBS.
CLASS AA CONCRETE	1.9 C.Y.

SIDEWALK @ END BENT 2

BAR	NO.	SIZE	TYPE	LENGTH	WEIGHT
* B1	5	#4	STR	14'-7"	49
* G2	15	#4	STR	7'-0"	70
* U1	6	#4	2	4'-6"	18

* EPOXY COATED REINFORCING STEEL	137 LBS.
CLASS AA CONCRETE	1.9 C.Y.

BAR TYPES



ALL BAR DIMENSIONS ARE OUT TO OUT

PROJECT NO. U-2579AB
FORSYTH COUNTY
STATION: 22+26.35 -Y1B-

SHEET 2 OF 2

Digitally signed by NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 18442 RICHARD LEON BOLLINGER, JR.
10/14/2021
RS&H
RS&H Architects-Engineers-Planners, Inc.
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North Carolina License Nos. 50073 * F-0493 * C-28

STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
RALEIGH

BRIDGE APPROACH SLAB DETAILS

REVISIONS						SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:	S1-47
1			3			TOTAL SHEETS
2			4			47

DRAWN BY :	NSC	DATE :	08/2019
CHECKED BY :	JMR	DATE :	11/2019
DESIGN ENGINEER OF RECORD:	MAL	DATE :	11/2019

10/14/2021
X:\P\1031785002 U-2579AB WS North Beltway\Design\Structures\CAD\Site 1\401_093_U2579AB_SMU_AS_S-47_330722.dgn
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