BILL OF MATERIAL

APPROACH SLAB AT END BENT 1

BAR	NO.	SIZE	TYPE	LENGTH	WEIGHT
✳ A1	17	#4	STR	36'-5"	414
A2	18	#4	STR	36'-5"	438
✳ A3	7	#4	STR	7'-1"	34
A4	8	#4	STR	6'-10"	37
✳ B1	48	#5	STR	15'-3"	764
B2	48	#6	STR	16'-6"	1190
✳ B3	24	#5	STR	11'-4"	284
B4	24	#6	STR	11'-7"	418

REINFORCING STEEL	LBS.	2,083
✳ EPOXY COATED REINFORCING STEEL	LBS.	1,496
CLASS AA CONCRETE	C.Y.	26.3

APPROACH SLAB AT END BENT 2

BAR	NO.	SIZE	TYPE	LENGTH	WEIGHT
✳ A1	17	#4	STR	36'-5"	414
A2	18	#4	STR	36'-5"	438
✳ B1	57	#5	STR	15'-3"	907
B2	57	#6	STR	16'-6"	1413
✳ B5	6	#5	STR	9'-2"	58
B6	6	#6	STR	9'-6"	86
B7	8	#4	STR	9'-1"	49
U1	17	#5	1	4'-0"	71

REINFORCING STEEL	LBS.	2,057
✳ EPOXY COATED REINFORCING STEEL	LBS.	1,379
CLASS AA CONCRETE	C.Y.	27.0

BAR TYPES

1'-0"
1'-6"
①

ALL DIMENSIONS ARE OUT TO OUT

BRIDGE
DECK

GRADE TO DRAIN
TO BOTTOM OF SLOPE

FLOW LINE

CAP FLOW LINE ONLY WITH
EROSION RESISTANT MATERIAL
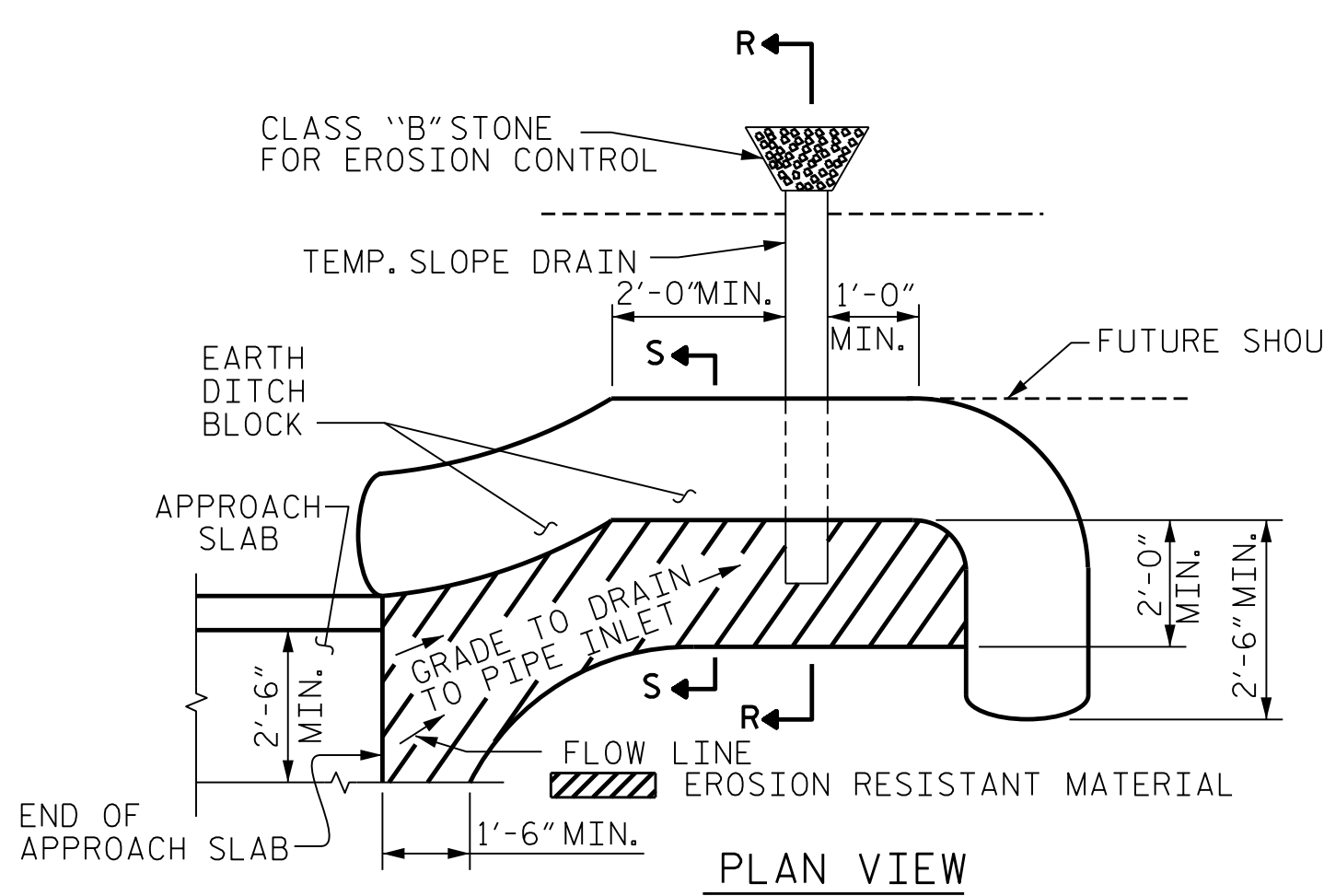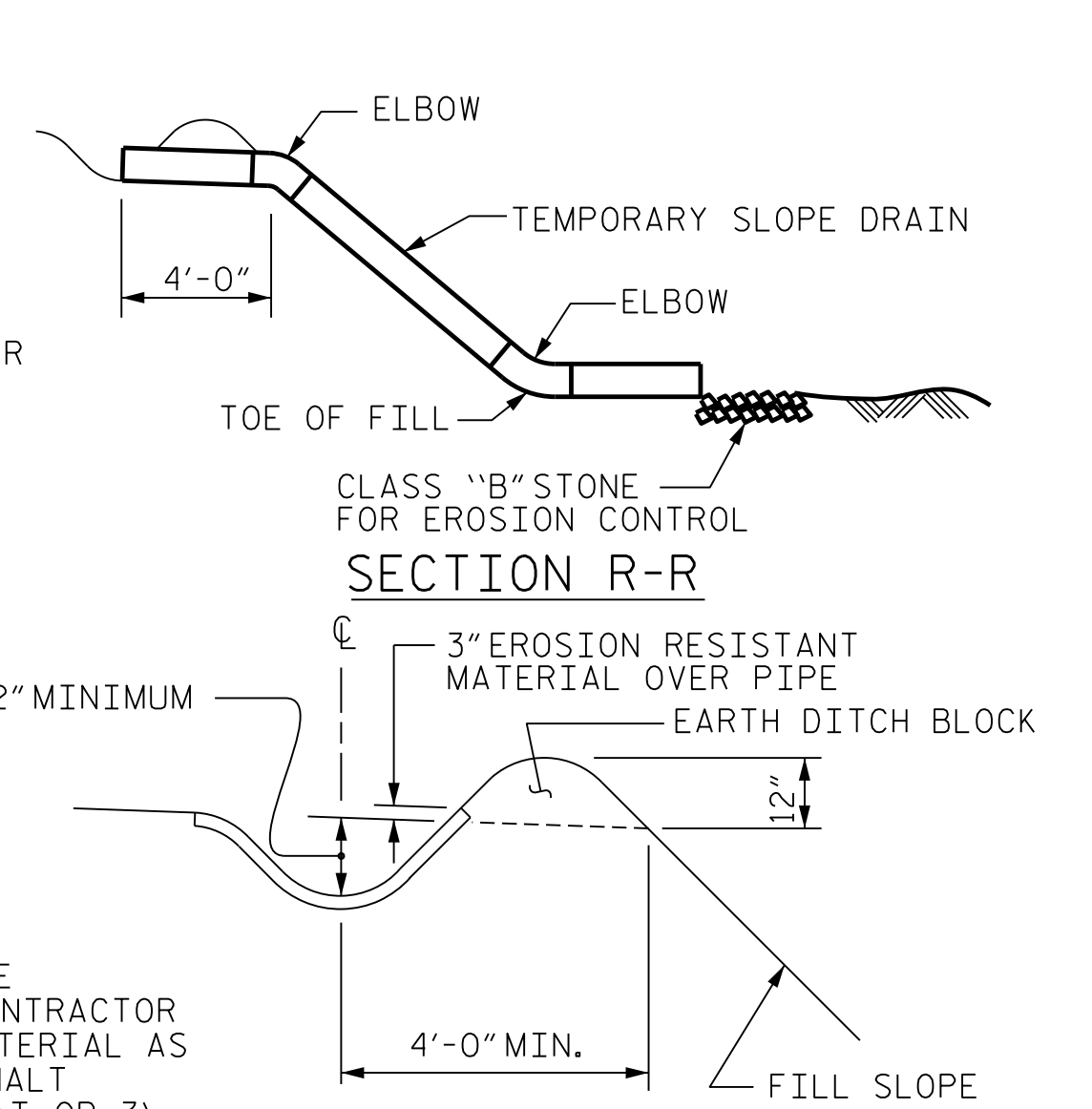
BACKFILL EXCAVATION HOLE
AND GRADE TO DRAIN

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

CLASS "B" STONE
FOR EROSION CONTROL

TEMP. SLOPE DRAIN

2'-0" MIN. 1'-0" MIN.

FUTURE SHOULDER

EARTH DITCH BLOCK

APPROACH SLAB

GRADE TO DRAIN TO PIPE INLET

FLOW LINE

EROSION RESISTANT MATERIAL

END OF APPROACH SLAB

1'-6" MIN.

2'-0" MIN.
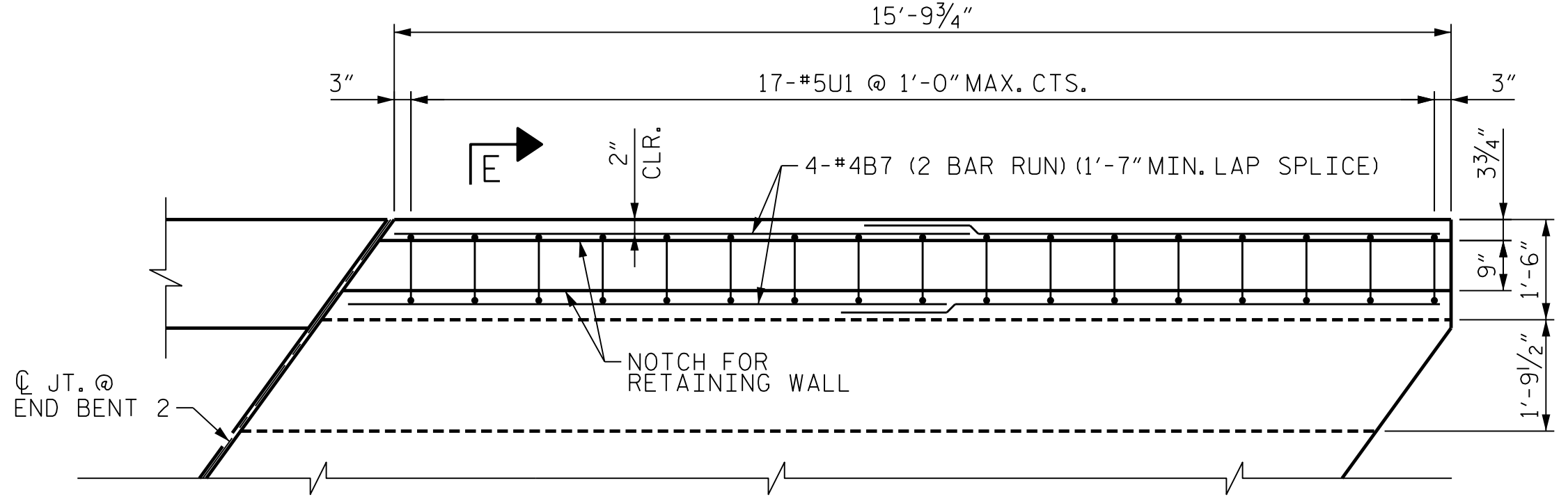2'-6" MIN.

PLAN VIEW

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.
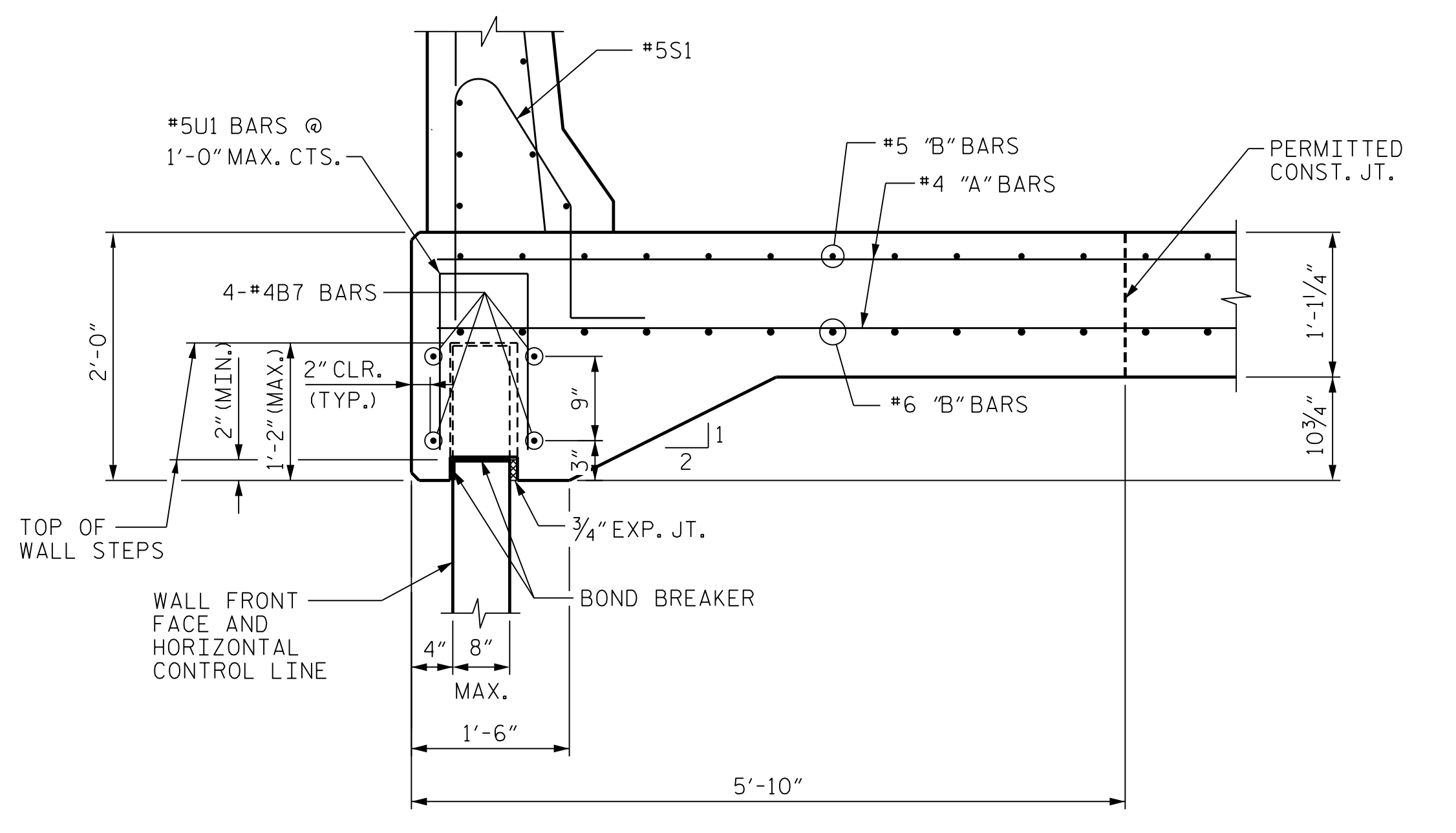
TEMPORARY BERM AND SLOPE DRAIN DETAILS
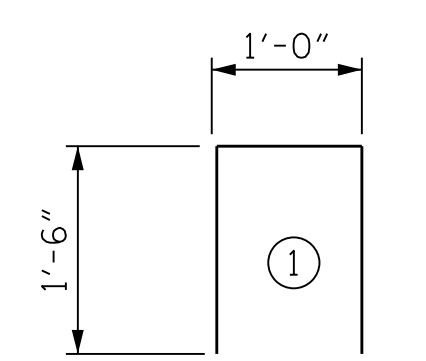
(TO BE USED WHEN SHOULDER BERM GUTTER IS REQUIRED)

ELBOW

TEMPORARY SLOPE DRAIN

4'-0"

ELBOW

TOE OF FILL

CLASS "B" STONE
FOR EROSION CONTROL

SECTION R-R

3" EROSION RESISTANT
MATERIAL OVER PIPE

EARTH DITCH BLOCK

12" MINIMUM

12"

4'-0" MIN.

FILL SLOPE

SECTION S-S

15'-9¾"

17-#5U1 @ 1'-0" MAX. CTS.

3" 3"

3¾"

4-#4B7 (2 BAR RUN) (1'-7" MIN. LAP SPLICE)

2" CLR.

9"
1'-6"

1'-9½"

₵ JT. @
END BENT 2

NOTCH FOR
RETAINING WALL

E

DETAIL "A"

MAIN APPROACH SLAB AND BARRIER RAIL STEEL
NOT SHOWN FOR CLARITY

#5S1

#5U1 BARS @
1'-0" MAX. CTS.

#5 "B" BARS

#4 "A" BARS

PERMITTED
CONST. JT.

4-#4B7 BARS

2" (MIN.)
1'-2" (MAX.)

2" CLR.
(TYP.)

9"

3"

#6 "B" BARS

2'-0"

1'-1¼"

10¾"

TOP OF
WALL STEPS

¾" EXP. JT.

BOND BREAKER

WALL FRONT
FACE AND
HORIZONTAL
CONTROL LINE

4" 8"
MAX.

1'-6"

5'-10"

SECTION E-E

PROJECT NO. B-3186/B-5898

HAYWOOD COUNTY

STATION: 68+82.30± -L_LT-

SHEET 3 OF 3

STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
RALEIGH

BRIDGE APPROACH
SLAB DETAILS

	REVISIONS				SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:	
1	--	--	3	--	--	S03L-36
2	--	--	4	--	--	TOTAL SHEETS 44

DES BY: F. CORDOVA	DATE: 07/21	DWG BY: B. PETERSON	DATE: 03/21
DES CHK: G. MYERS	DATE: 07/21	CHK BY: G. MYERS	DATE: 07/21