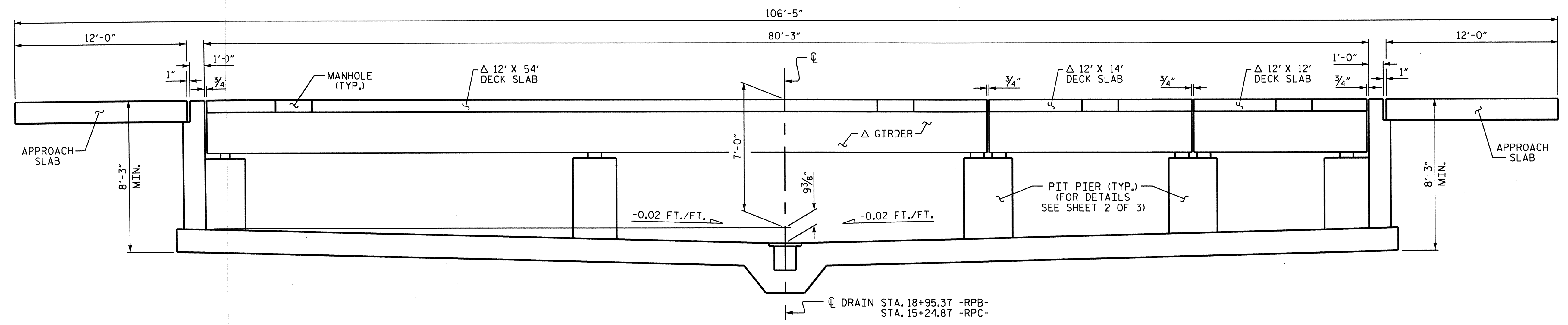


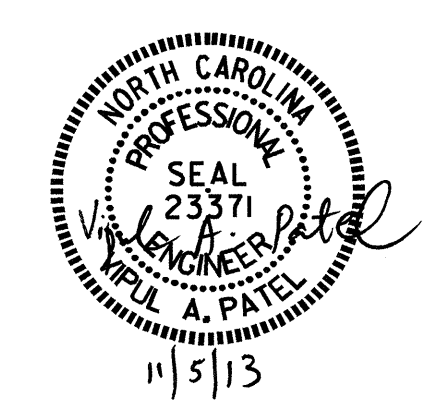
PLAN



SECTION A-A

NOTES

- Δ SCALE DECK AND WEIGH-BRIDGE DESIGN SHALL BE BY SCALE MANUFACTURER.
- FOR MANHOLE LOCATIONS SEE SHEET LE14.
- FOR LOCATIONS OF STATIC SCALE PIT SEE ROADWAY PLAN SHEET 2-D.
- ALL CONCRETE SHALL BE CLASS AA.
- ALL REINFORCING STEEL SHALL CONFORM TO ASTM SPECIFICATION A615 GRADE 60.
- SCALE PIT DRAWINGS ARE GENERAL AND SUBJECT TO MODIFICATION.
- TO FIT SCALE MANUFACTURERS EQUIPMENT, CONSTRUCTION SHALL CONFORM TO APPROVED SHOP DRAWINGS ONLY. SHOP DRAWINGS SHALL SHOW SCALE EQUIPMENT AND SCALE PIT DETAILS. WORK ON PIT SHALL NOT PROCEED UNTIL APPROVED SHOP DRAWINGS HAVE BEEN RETURNED TO THE CONTRACTOR BY THE ENGINEER.



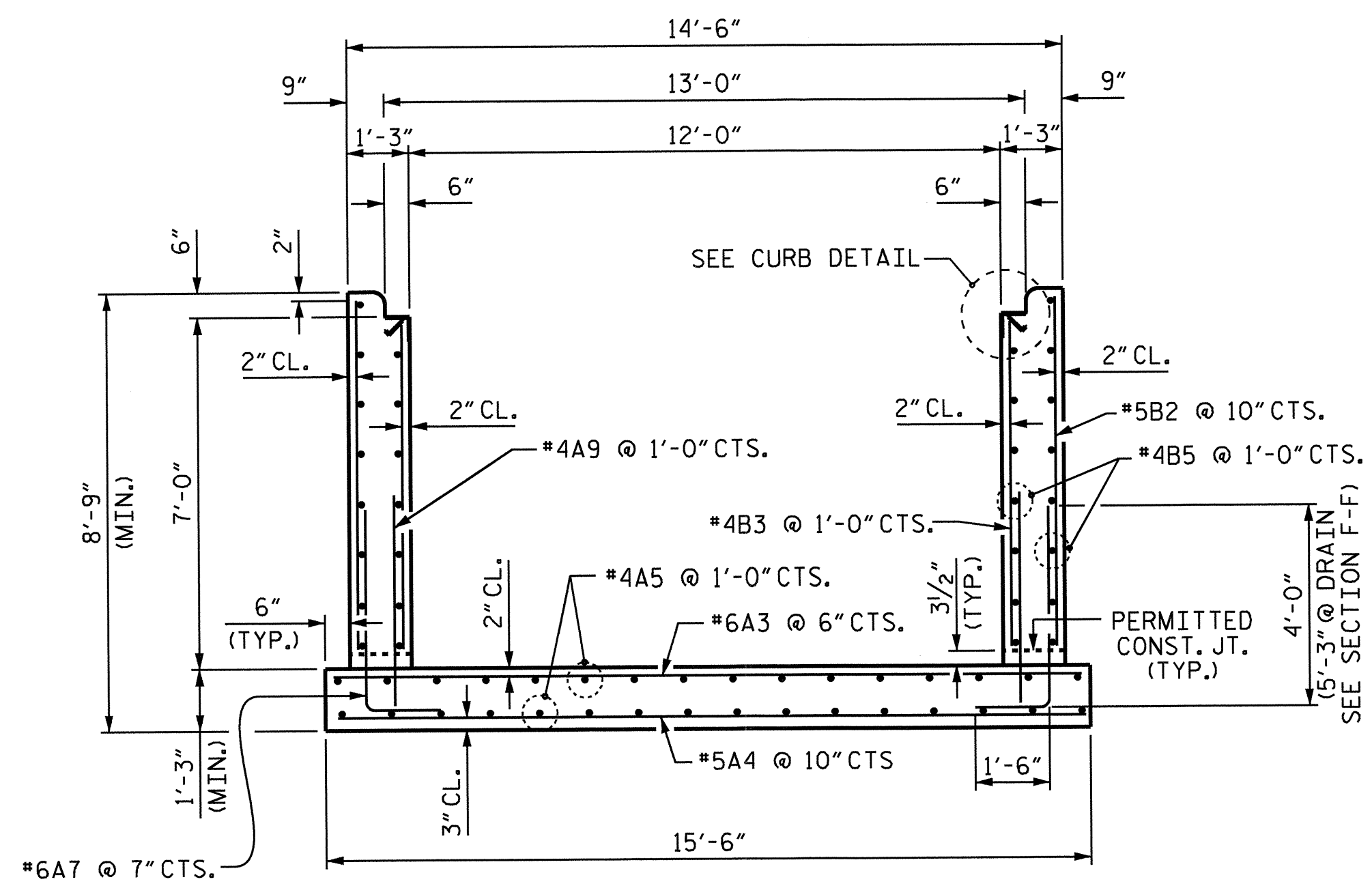
PROJECT NO. I-4928
GASTON COUNTY
 STATION: 93+50.00 -L-

SHEET 1 OF 3

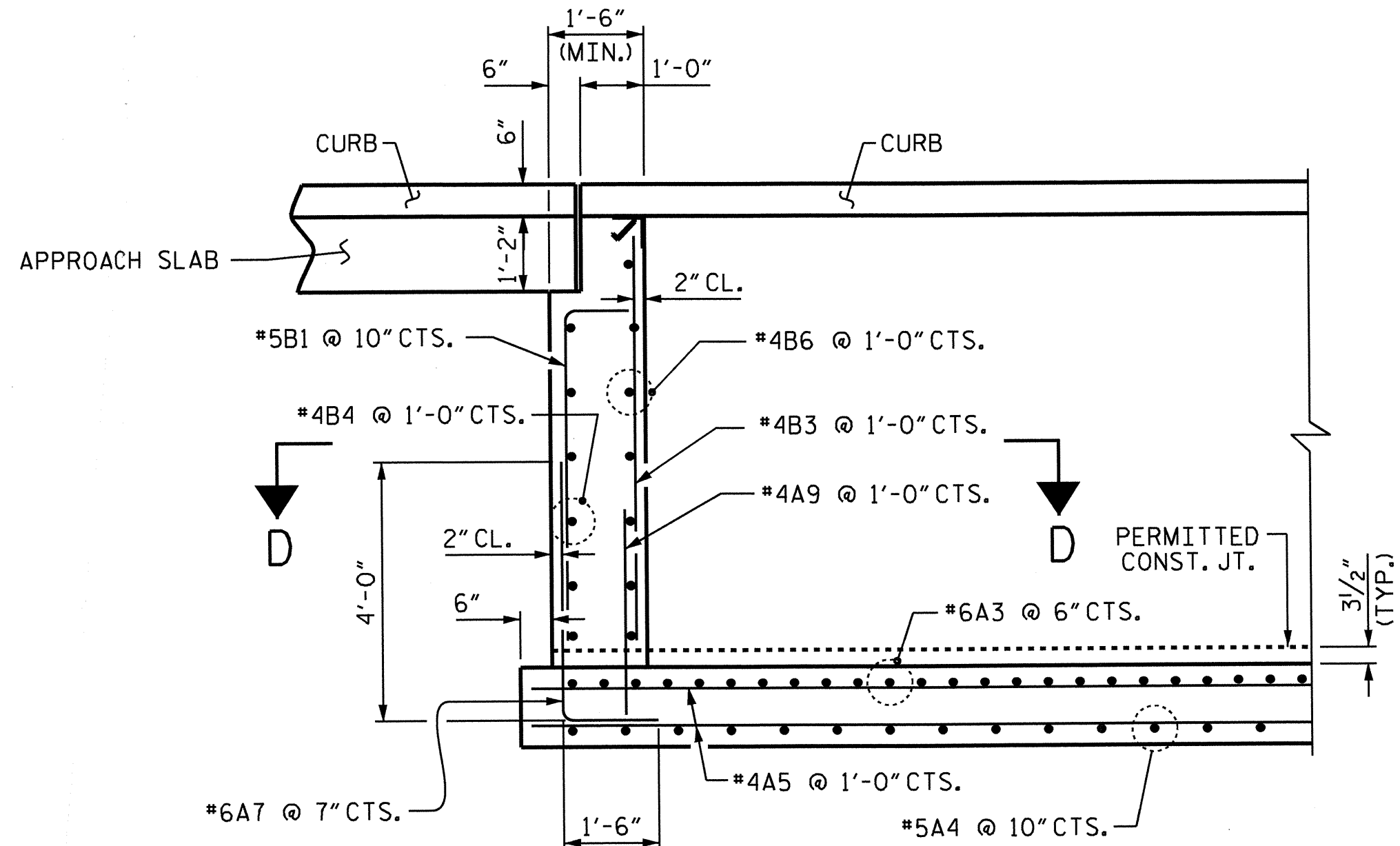
STATE OF NORTH CAROLINA DEPARTMENT OF TRANSPORTATION RALEIGH					
STATIC SCALE PIT & APPROACH SLABS (-RPB- & -RPC-)					
REVISIONS					
NO.	BY:	DATE:	NO.	BY:	DATE:
1			3		
2			4		

SHEET NO.	S-1
TOTAL SHEETS	5

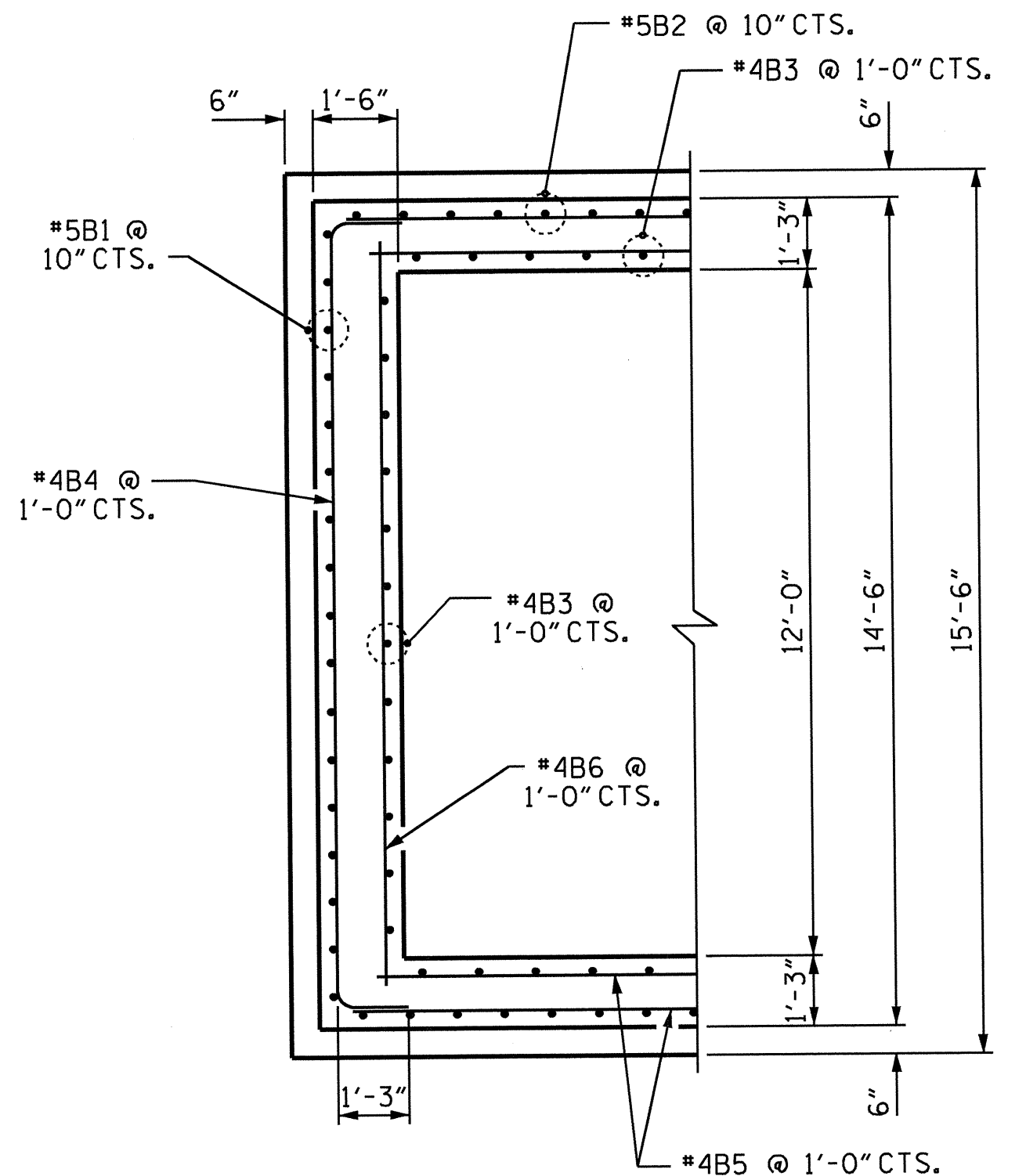
DRAWN BY : T. H. CARROLL DATE : 9/30/13
 CHECKED BY : V. A. PATEL DATE : 10/23/13
 DESIGN ENGINEER OF RECORD: H. A. LOCKLEAR DATE : 11/12/13



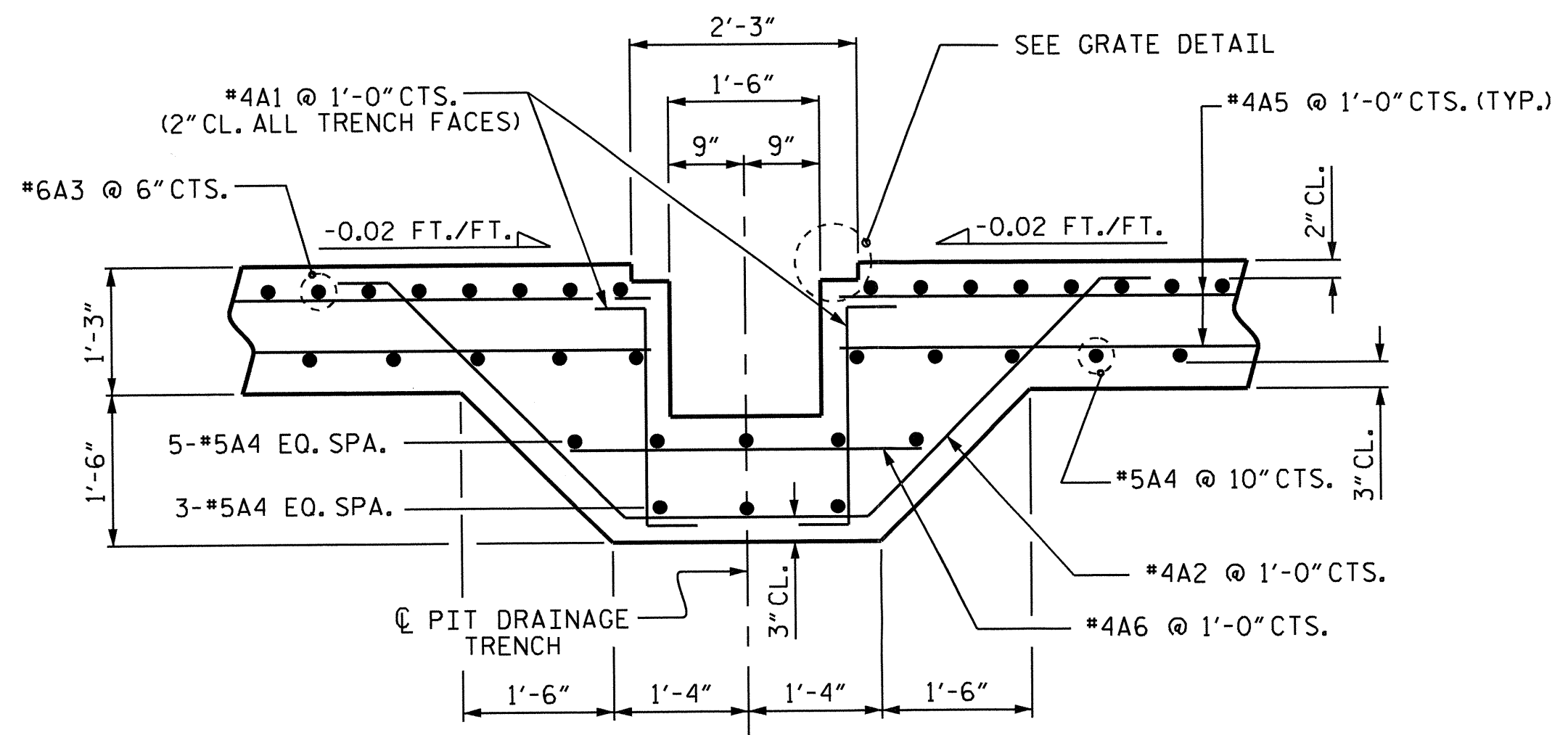
SECTION B-B



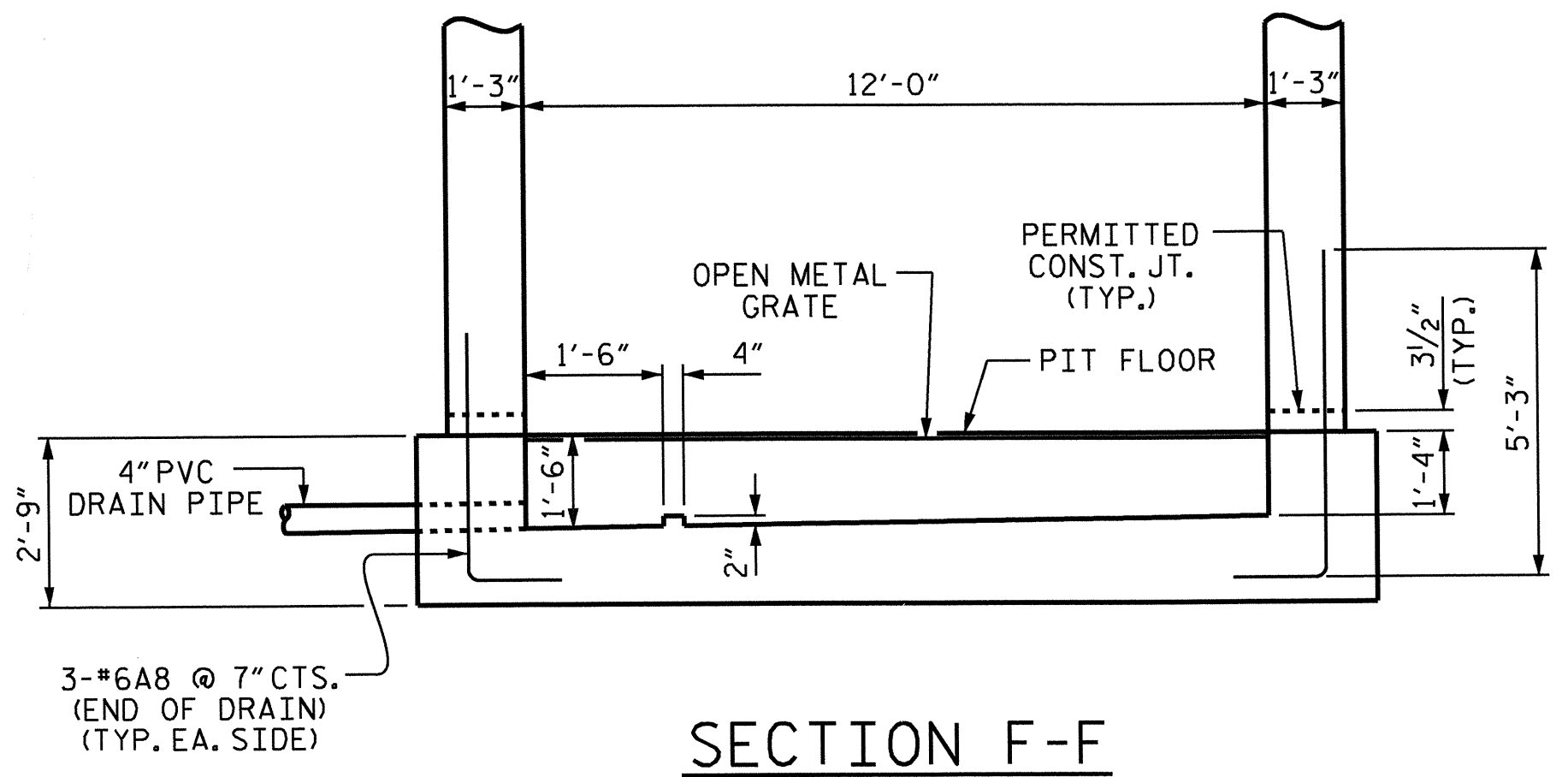
SECTION C-C
(PIT PIER NOT SHOWN)



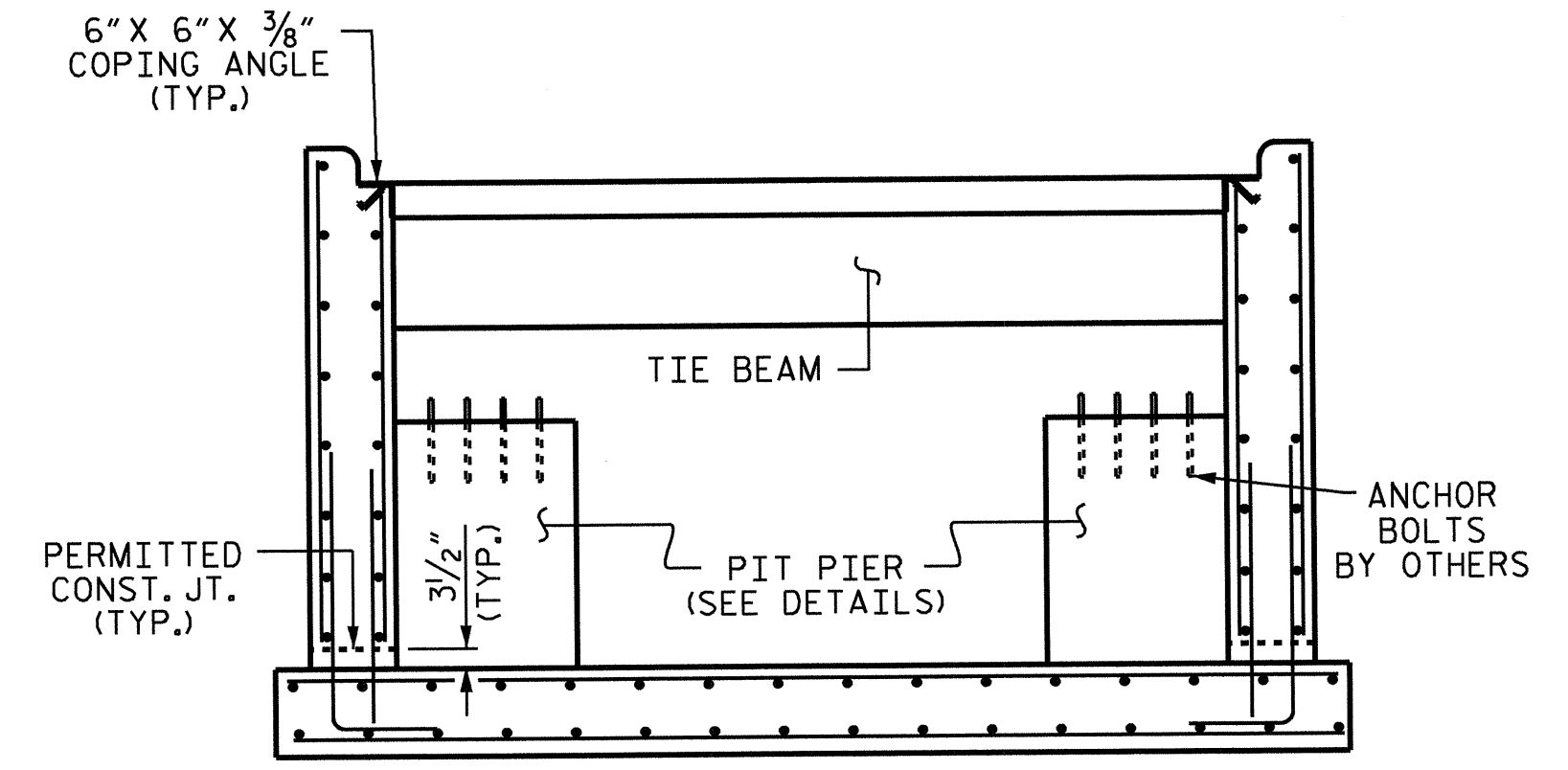
SECTION D-D



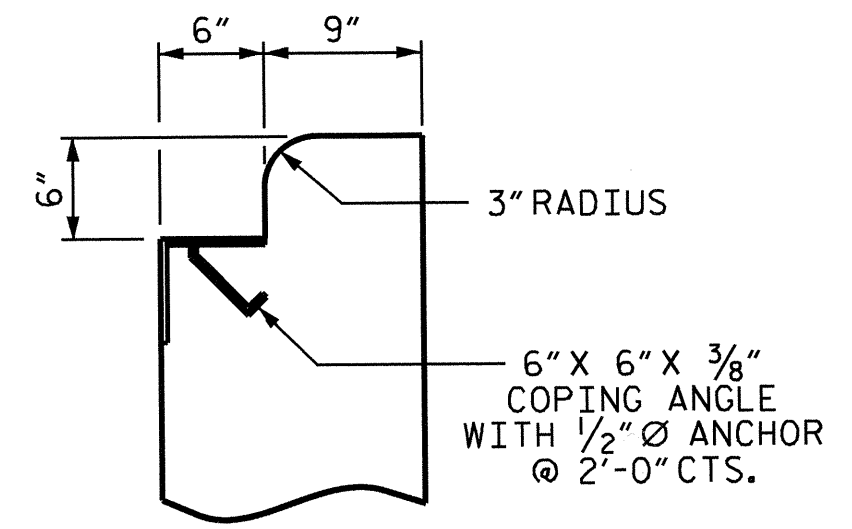
SECTION E-E



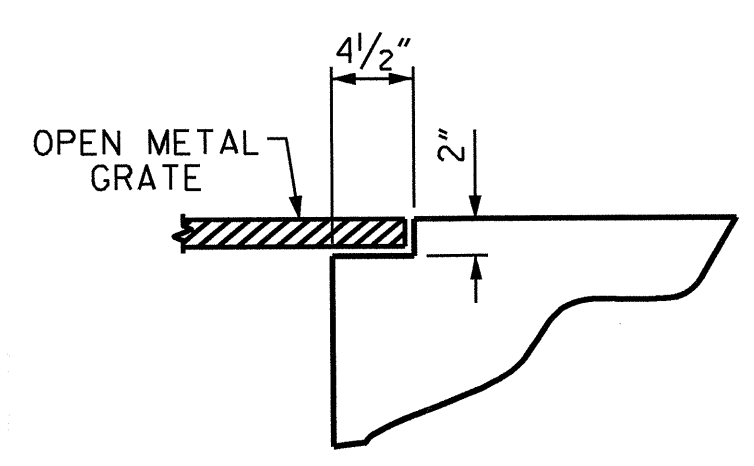
SECTION F-F



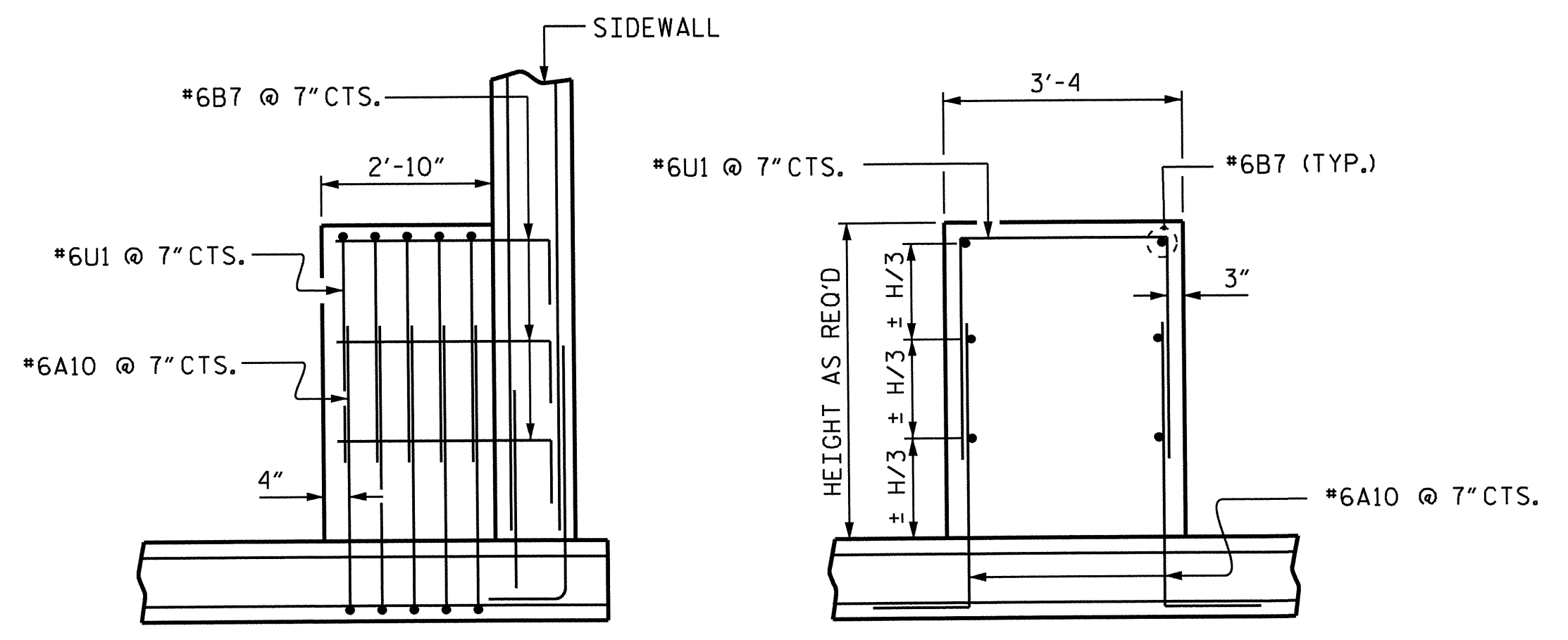
SECTION J-J



CURB DETAIL



GRATE DETAIL



SIDE VIEW

FRONT VIEW

PIT PIER DETAILS

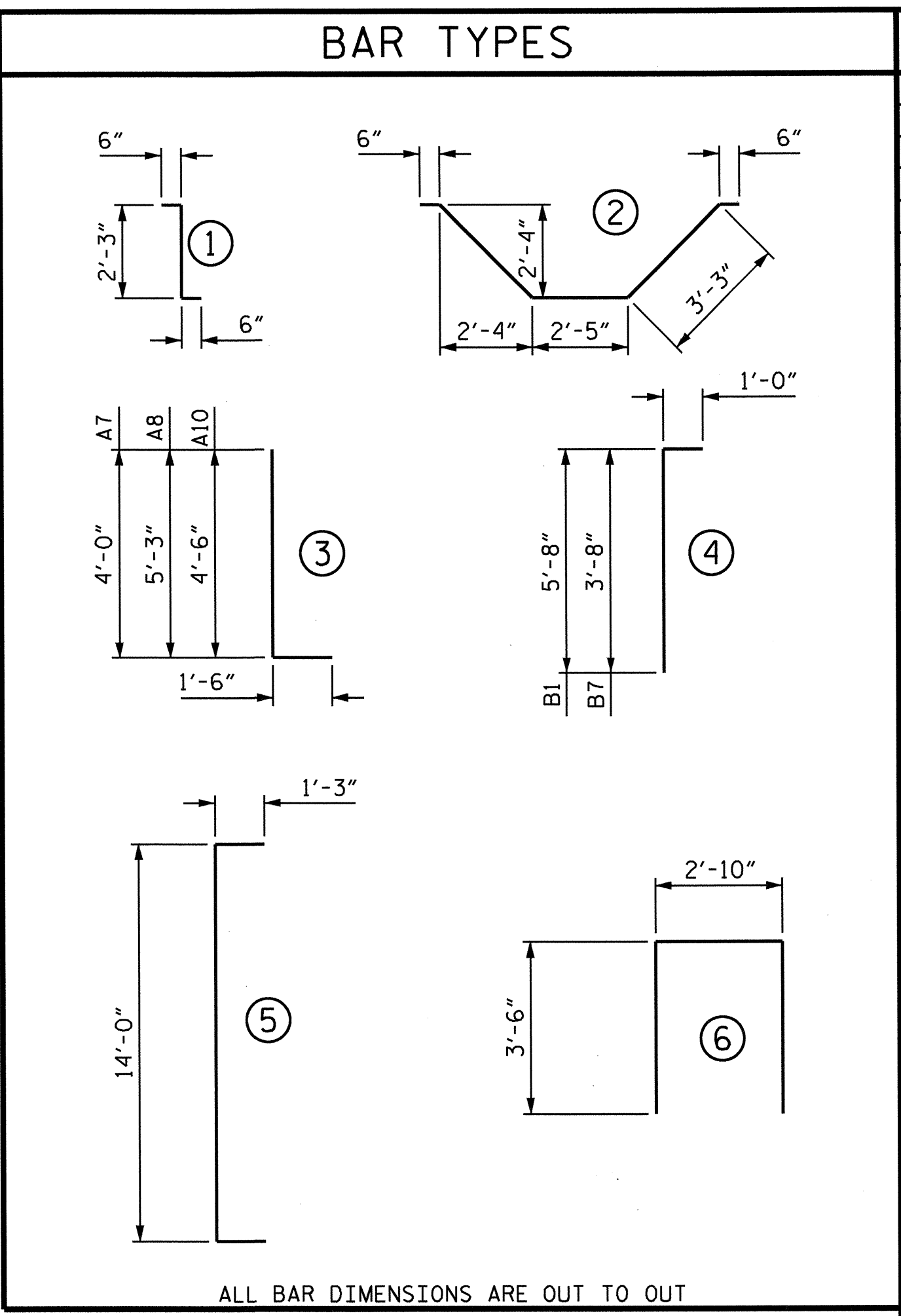
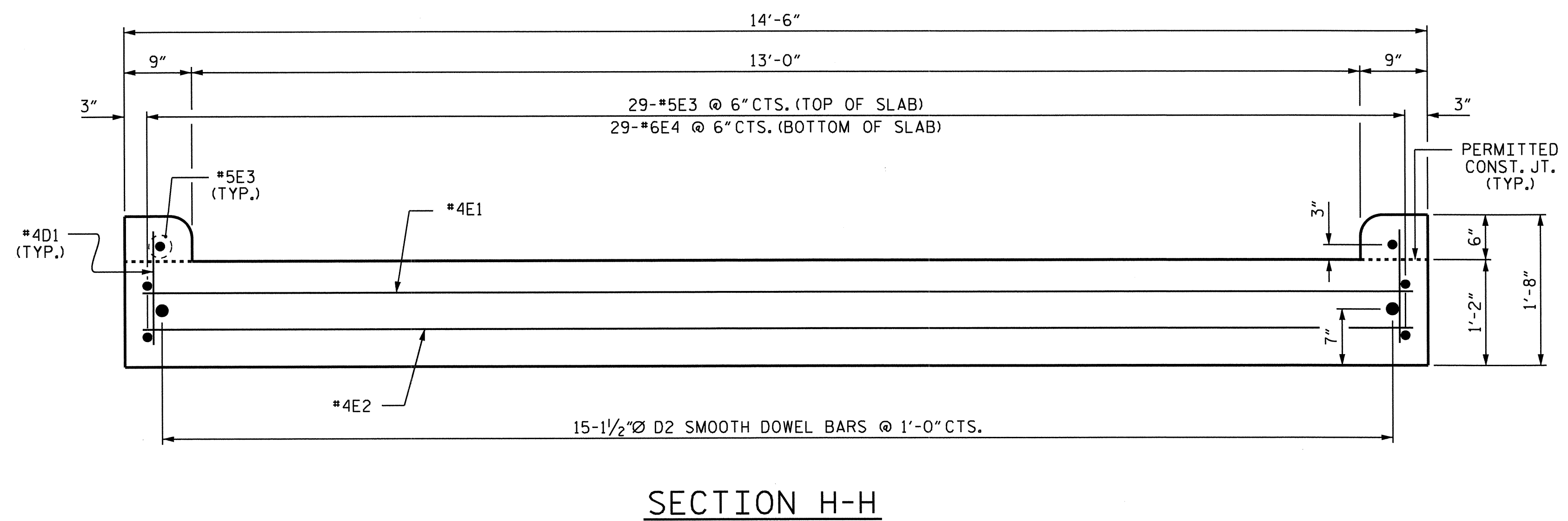
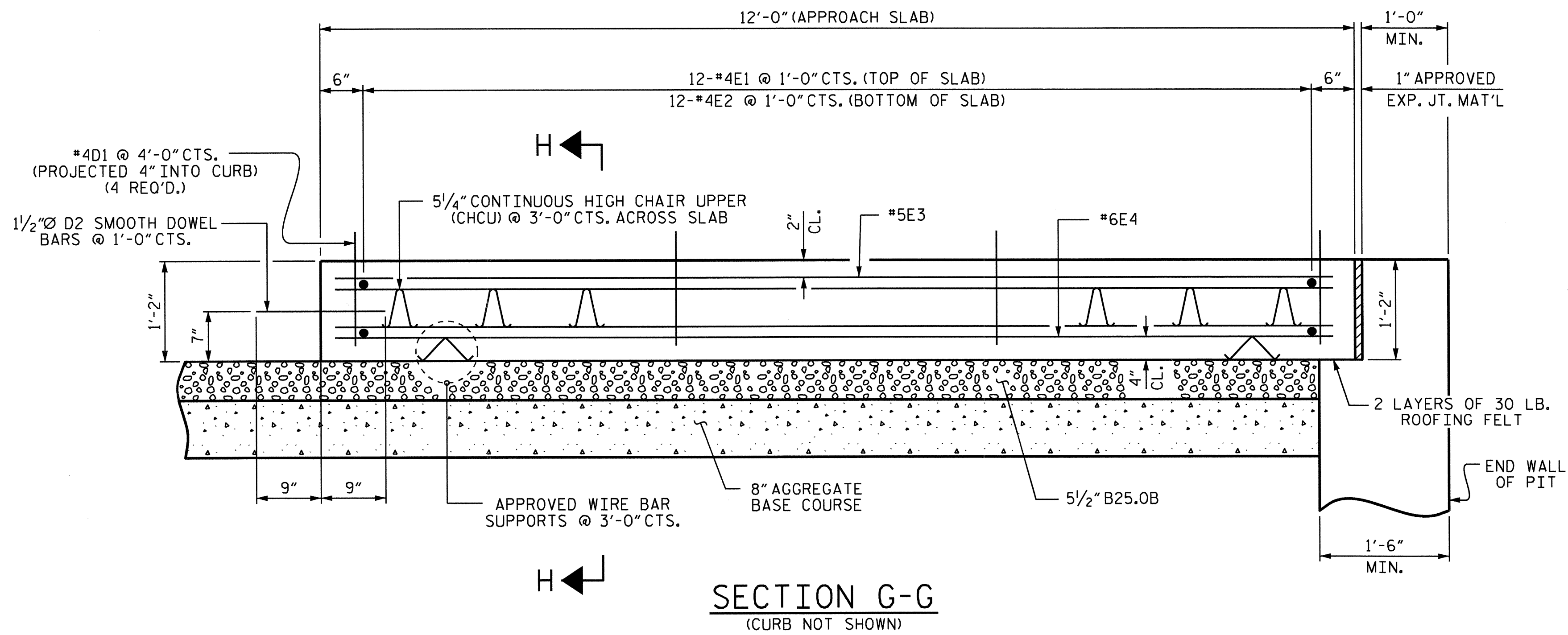


PROJECT NO. I-4928
GASTON COUNTY
STATION: 93+50.00 -L-

SHEET 2 OF 3
STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
RALEIGH
STATIC SCALE PIT
&
APPROACH SLABS
(-RPB- & -RPC-)

REVISIONS						SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:	S-2
1			3			TOTAL SHEETS
2			4			5

DRAWN BY: T. H. CARROLL DATE: 9/30/13
CHECKED BY: V. A. PATEL DATE: 10/23/13
DESIGN ENGINEER OF RECORD: H. A. LOCKLEAR DATE: 11/12/13



GROOVING CONCRETE SLABS	
APPROACH SLABS	233 SQ. FT.
REINFORCED CONCRETE STATIC SCALE DECKS	870 SQ. FT.
TOTAL	1103 SQ. FT.

BILL OF MATERIAL					
BAR NO.	NO.	SIZE	TYPE	LENGTH	WEIGHT
A1	30	#4	1	3'-3"	65
A2	15	#4	2	9'-11"	99
A3	162	#6	STR	15'-2"	3690
A4	106	#5	STR	15'-2"	1677
A5	128	#4	STR	21'-6"	1838
A6	16	#4	STR	3'-6"	37
A7	308	#6	3	5'-6"	2544
A8	6	#6	3	6'-9"	61
A9	186	#4	STR	3'-0"	373
A10	100	#6	3	6'-0"	901
B1	34	#5	4	6'-8"	236
B2	198	#5	STR	7'-1"	1463
B3	186	#4	STR	6'-7"	818
B4	12	#4	5	16'-6"	132
B5	90	#4	STR	28'-11"	1738
B6	14	#4	STR	14'-0"	131
B7	60	#6	4	4'-8"	421
*D1	16	#4	STR	1'-4"	14
D2	30	1/2"	STR	1'-6"	239
*E1	24	#4	STR	14'-2"	227
E2	24	#4	STR	14'-2"	227
*E3	62	#5	STR	11'-8"	754
E4	58	#6	STR	11'-8"	1016
U1	50	#6	6	9'-10"	738
REINFORCING STEEL **				LBS.	18444
* EPOXY COATED REINFORCING STEEL				LBS.	995
CLASS AA CONCRETE BREAKDOWN					
STATIC SCALE PIT				C.Y.	128.8
PIT PIERS **				C.Y.	12.6
2 APPROACH SLABS				C.Y.	15.7
TOTAL CLASS AA CONCRETE				C.Y.	157.1

** REINFORCING STEEL AND CONCRETE QUANTITIES FOR PIT PIERS MAY VARY DEPENDING ON SCALE MANUFACTURE.

SPLICE LENGTH CHART		
BAR	SIZE	SPLICE LENGTH
A5	#4	1'-11"
B5	#4	1'-11"

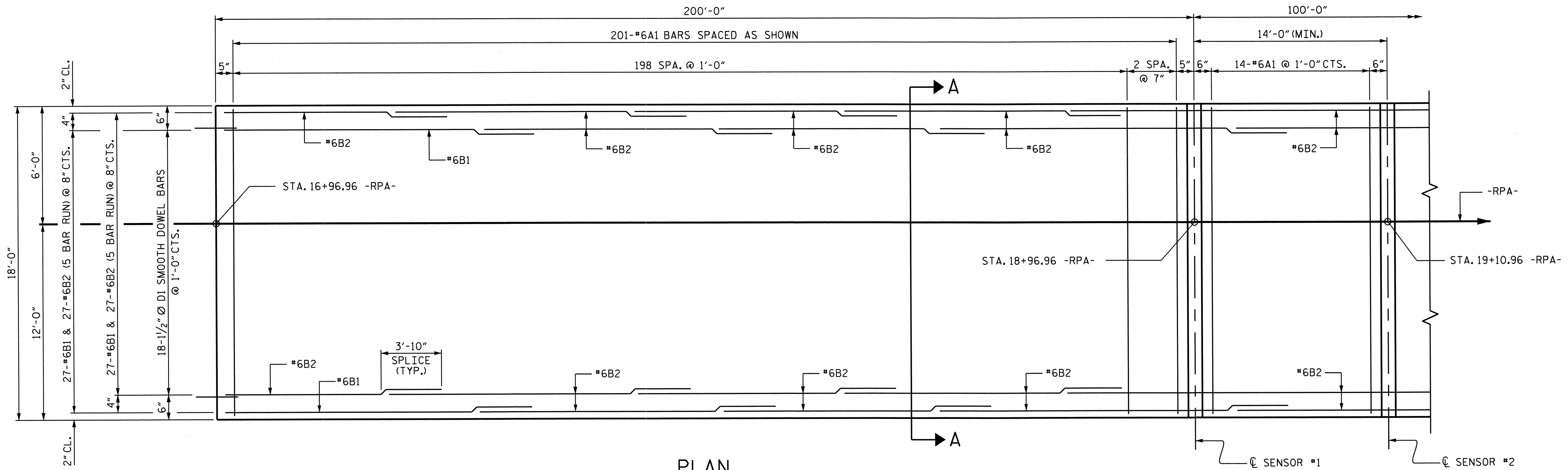
PROJECT NO. I-4928
GASTON COUNTY
 STATION: 93+50.00 -L-
 SHEET 3 OF 3

STATE OF NORTH CAROLINA
 DEPARTMENT OF TRANSPORTATION
 RALEIGH
STATIC SCALE PIT & APPROACH SLABS
 (-RPB- & -RPC-)

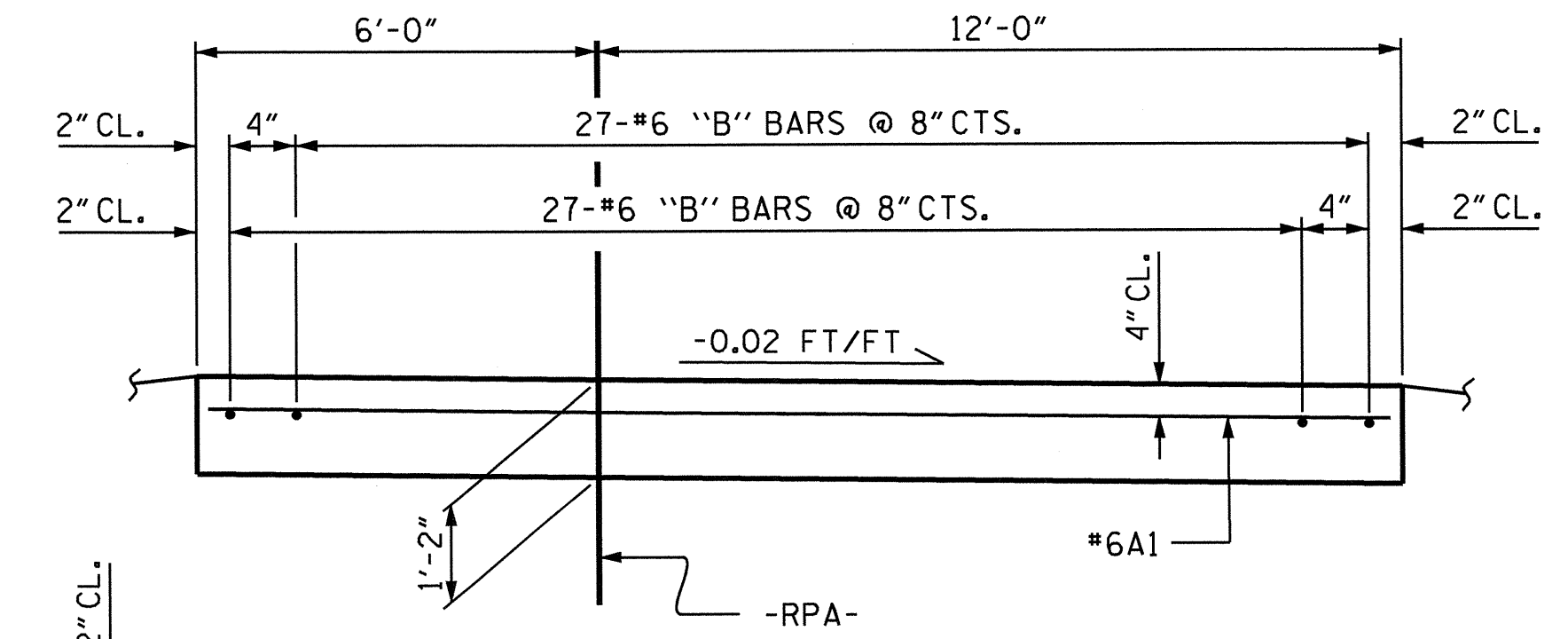


DRAWN BY: T. H. CARROLL DATE: 9/30/13
 CHECKED BY: V. A. PATEL DATE: 10/15/13
 DESIGN ENGINEER OF RECORD: H. A. LOCKLEAR DATE: 11/12/13

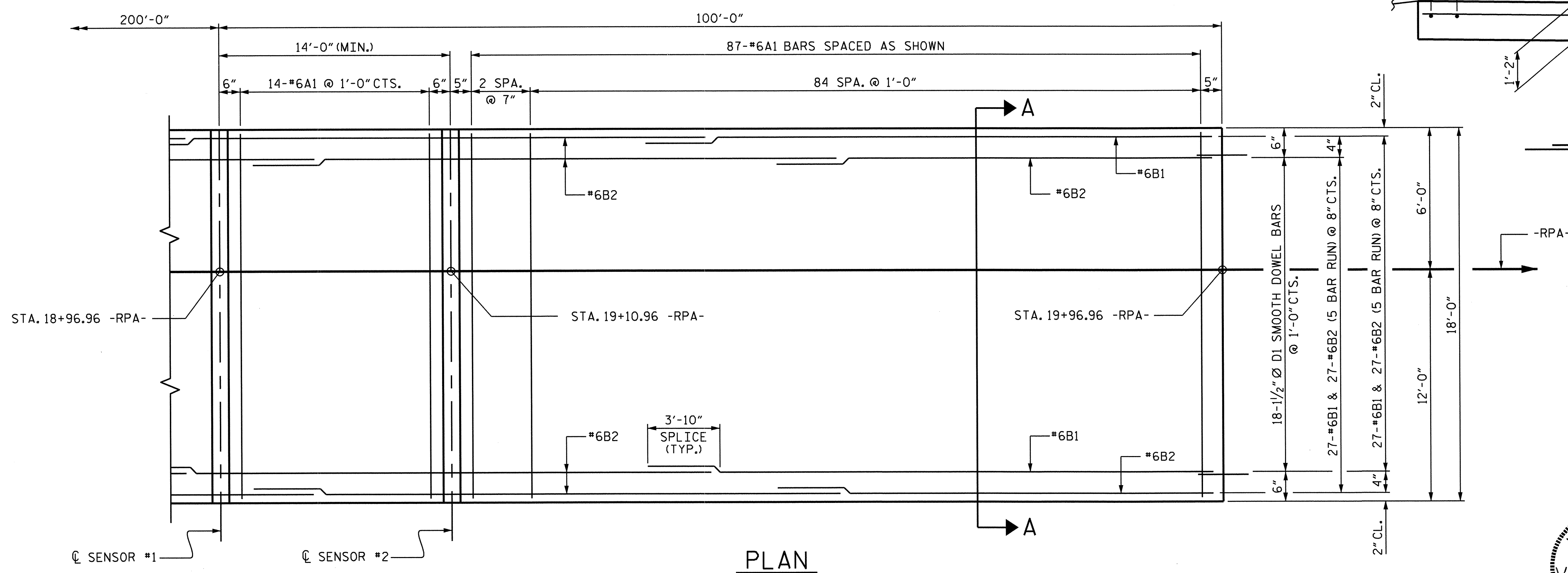
REVISIONS						SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:	S-3
1			3			TOTAL SHEETS
2			4			5



PLAN



SECTION A-A



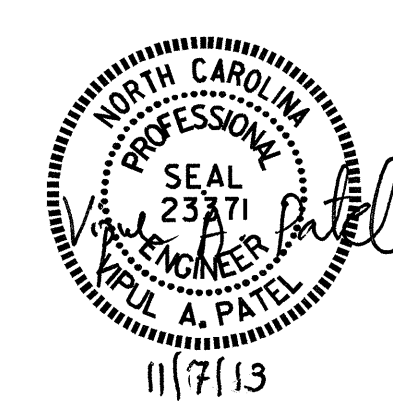
PLAN

PROJECT NO. I-4928
GASTON COUNTY
 STATION: 17+46.96 -RPA-

SHEET 1 OF 2

STATE OF NORTH CAROLINA
 DEPARTMENT OF TRANSPORTATION
 RALEIGH

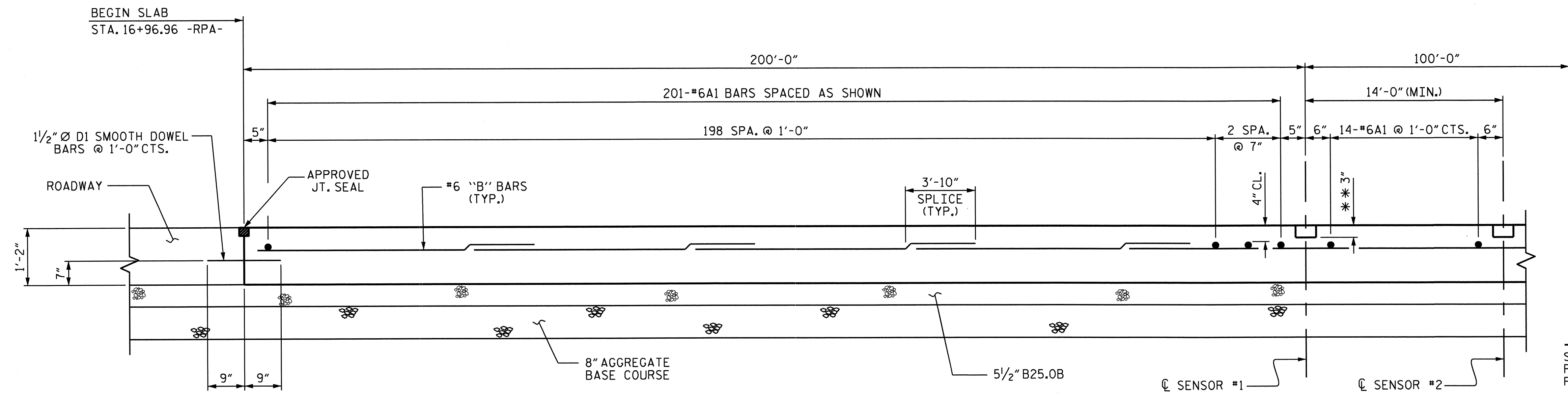
WEIGH-IN-MOTION
 (WIM) SLAB



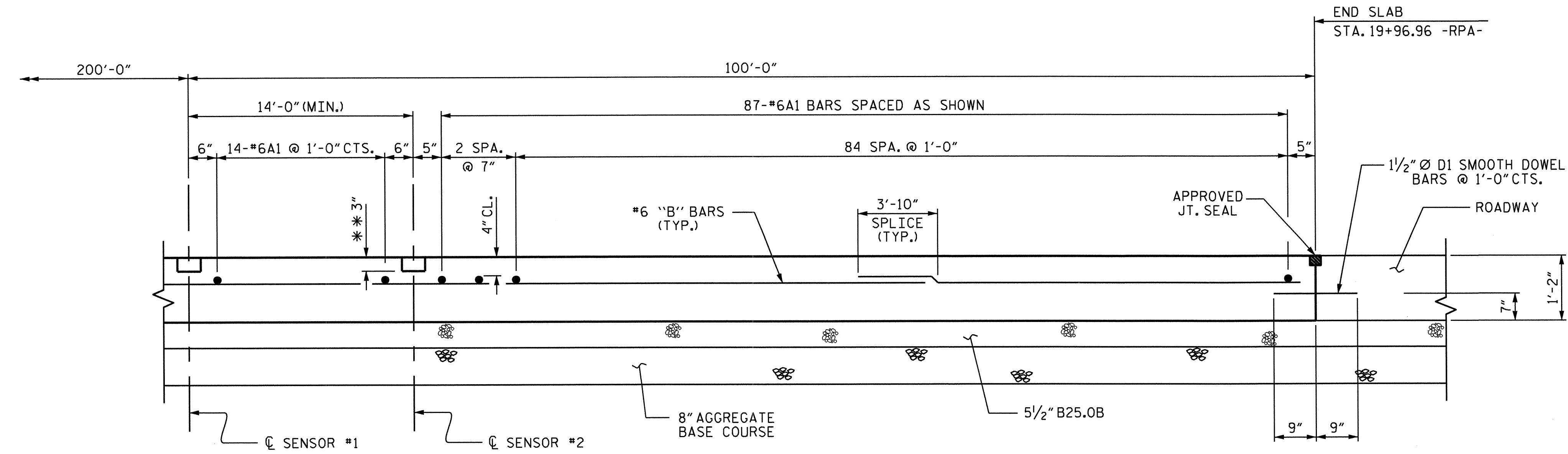
DRAWN BY : T. H. CARROLL DATE : 2/12/13
 CHECKED BY : V. A. PATEL DATE : 10/15/13
 DESIGN ENGINEER OF RECORD: V. A. PATEL DATE : 11/12/13

REVISIONS						SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:	S-4
1			3			TOTAL SHEETS
2			4			5

BILL OF MATERIAL					
WEIGH-IN-MOTION SLAB					
BAR	NO.	SIZE	TYPE	LENGTH	WEIGHT
*A1	302	#6	STR	17'-8"	8014
*B1	54	#6	STR	60'-0"	4866
*B2	270	#6	STR	51'-9"	20987
D1	36	1/2"	STR	1'-6"	287
REINFORCING STEEL				LBS.	287
* EPOXY COATED REINFORCING STEEL				LBS.	33867
CLASS AA CONCRETE				C. Y.	233.3



SECTION THRU SLAB



SECTION THRU SLAB

NOTES

SLABS SHALL BE CONSIDERED IN ACCORDANCE WITH PROJECT SPECIAL PROVISIONS TITLED "REINFORCED CONCRETE SLABS, PITS, AND PLATFORMS".

ALL CONCRETE SHALL BE CLASS AA.

THE CLASS AA CONCRETE IN THE DECK SLAB SHALL CONTAIN FLY ASH OR GROUND GRANULATED BLAST FURNACE SLAG AT THE SUBSTITUTION RATE SPECIFIED IN ARTICLE 1024-1 AND IN ACCORDANCE WITH ARTICLES 1024-5 AND 1024-6 OF THE STANDARD SPECIFICATIONS. NO PAYMENT WILL BE MADE FOR THIS SUBSTITUTION AS IT IS CONSIDERED INCIDENTAL TO THE COST OF THE REINFORCED CONCRETE DECK SLAB.

ALL REINFORCING STEEL SHALL CONFORM TO ASTM A615 FOR GRADE 60.

FOR SCALES, FRAMES, AXLE SENSORS AND LOOPS TO BE SET IN SLAB, SEE APPROVED MANUFACTURER'S DRAWINGS.

** DIMENSIONS MAY VARY-SEE MANUFACTURER'S APPROVED WORKING DRAWINGS & ELECTRICAL DETAILS.

+2.1304% Δ +0.3000%

PI = 16+70.38 -RPA-
 EL. = 782.40
 VC = 170'

GRADE DATA

PROJECT NO. I-4928
GASTON COUNTY
 STATION: 17+46.96 -RPA-
 SHEET 2 OF 2

STATE OF NORTH CAROLINA DEPARTMENT OF TRANSPORTATION RALEIGH					
WEIGH-IN-MOTION (WIM) SLAB					
REVISIONS					SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:
1			3		
2			4		
					TOTAL SHEETS
					5

DRAWN BY : T. H. CARROLL DATE : 2/12/13
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