

LOCATION SKETCH

INFORMATION INDICATED ON THE LOCATION SKETCH SHALL BE CONSIDERED GENERAL INFORMATION ONLY. THE CONTRACTOR SHALL CONFIRM, THROUGH OTHER SOURCES, SPECIFIC INFORMATION REGARDING BRIDGES, ROADWAYS, UTILITIES, THE SURROUNDING AREA, AND ANY OTHER ASPECTS THAT MAY BE NECESSARY TO PERFORM AND COMPLETE THE PROJECT.

NOTES

EXISTING DIMENSIONS AND BRIDGE CONDITION ARE FROM THE BEST INFORMATION AVAILABLE. THE CONTRACTOR SHALL FIELD VERIFY THE INFORMATION SHOWN ON THE PLANS AND NOTIFY THE ENGINEER IF ACTUAL DIMENSIONS AND CONDITIONS DIFFER.

IT IS THE CONTRACTOR'S RESPONSIBILITY TO FOLLOW ALL STATE AND FEDERAL SAFETY REQUIREMENTS.

FOR CONTROL OF TRAFFIC AND LIMITS ON PHASING OF CONSTRUCTION, SEE TRANSPORTATION MANAGEMENT PLANS.

FOR PARTIAL REMOVAL OF EXISTING STRUCTURE, SEE SPECIAL PROVISIONS.

FOR MAINTENANCE AND PROTECTION OF TRAFFIC BENEATH STRUCTURES, SEE SPECIAL PROVISIONS.

FOR SCARIFYING BRIDGE DECK, SEE SPECIAL PROVISIONS.

FOR SILICONE JOINT SEALANT, SEE SPECIAL PROVISIONS.

FOR FOAM JOINT SEALS, SEE SPECIAL PROVISIONS.

FOR SUBMITTAL OF WORKING DRAWINGS, SEE SPECIAL PROVISIONS.

FOR FALSEWORK AND FORMWORK, SEE SPECIAL PROVISIONS.

FOR GROUT FOR STRUCTURES, SEE SPECIAL PROVISIONS.

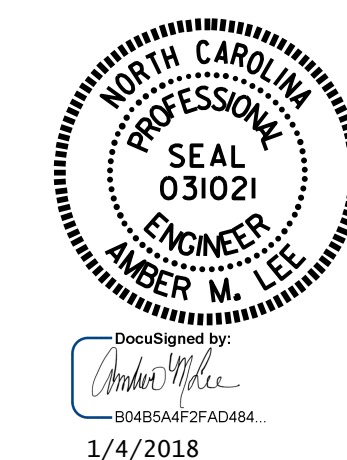
FOR CRANE SAFETY, SEE SPECIAL PROVISIONS.

FOR SPECIAL PROVISION FOR PROTECTION OF RAILWAY INTEREST, SEE SPECIAL PROVISIONS.

TOTAL BILL OF MATERIAL

	CLASS AA CONCRETE	REINFORCING STEEL	EPOXY COATED REINFORCING STEEL	THREE BAR METAL RAIL	FOAM JOINT SEALS	PARTIAL REMOVAL OF EXISTING STRUCTURE	SILICONE SEALANT JOINT	SCARIFYING BRIDGE DECK
	CU. YDS.	LBS.	LBS.	LIN. FT.	LUMP SUM	LUMP SUM	LIN. FT.	SQ. YDS.
BRIDGE 32	47.5	1558	2540	104.40		LUMP SUM	12.58	110.2
BRIDGE 59	121.6	4825	7245	335.82	LUMP SUM	LUMP SUM	7.42	202.7
BRIDGE 744	80.1	5196	5367	122.97		LUMP SUM	13.00	76.9
TOTAL	249.2	11579	15152	563.19	LUMP SUM	LUMP SUM	33.00	389.8

WBS NO. 47340
BUNCOMBE COUNTY
 BRIDGE NO. 32, 59, & 744



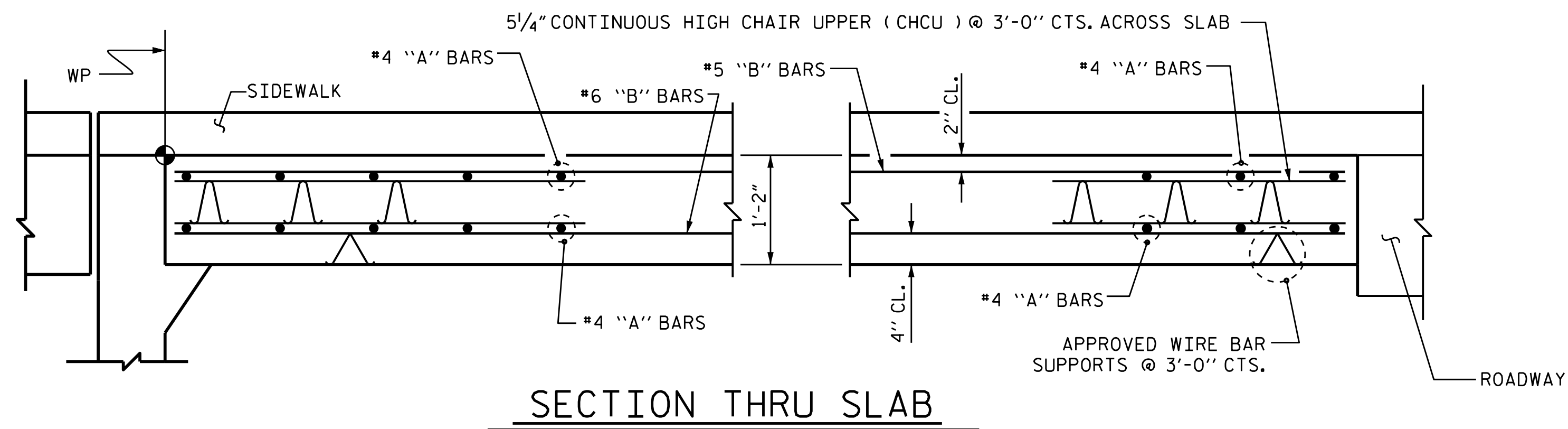
STATE OF NORTH CAROLINA
 DEPARTMENT OF TRANSPORTATION
 RALEIGH

LOCATION MAPS

DRAWN BY : D.V. JOYNER DATE : 08/17
 CHECKED BY : A.M.LEE DATE : 09/17

DOCUMENT NOT CONSIDERED
 FINAL UNLESS ALL
 SIGNATURES COMPLETED

REVISIONS						SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:	S-1
1			3			TOTAL SHEETS
2			4			20



SECTION THRU SLAB

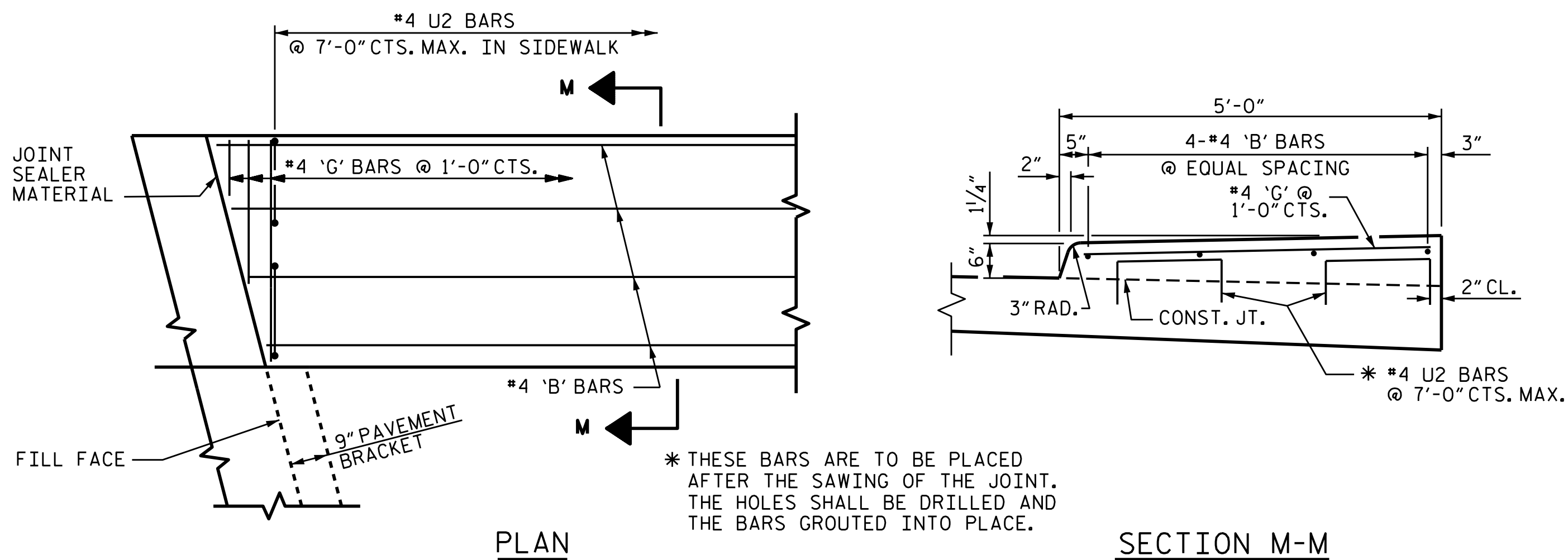
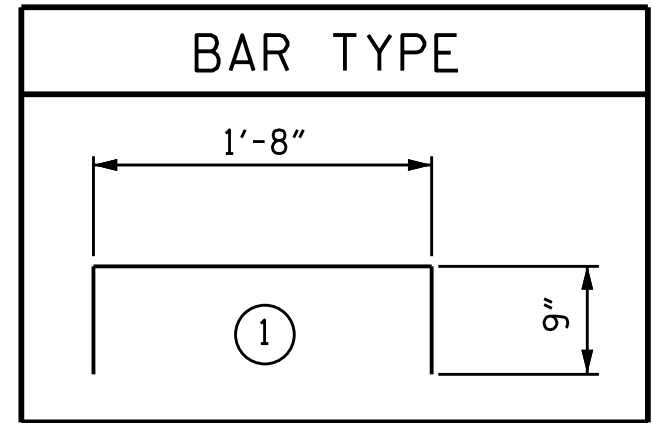
NOTES

AREA BETWEEN THE WINGWALL AND APPROACH SLAB SHALL BE GRADED TO DRAIN THE WATER AWAY FROM THE FILL FACE OF THE BRIDGE AND SHALL BE PAVED.

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

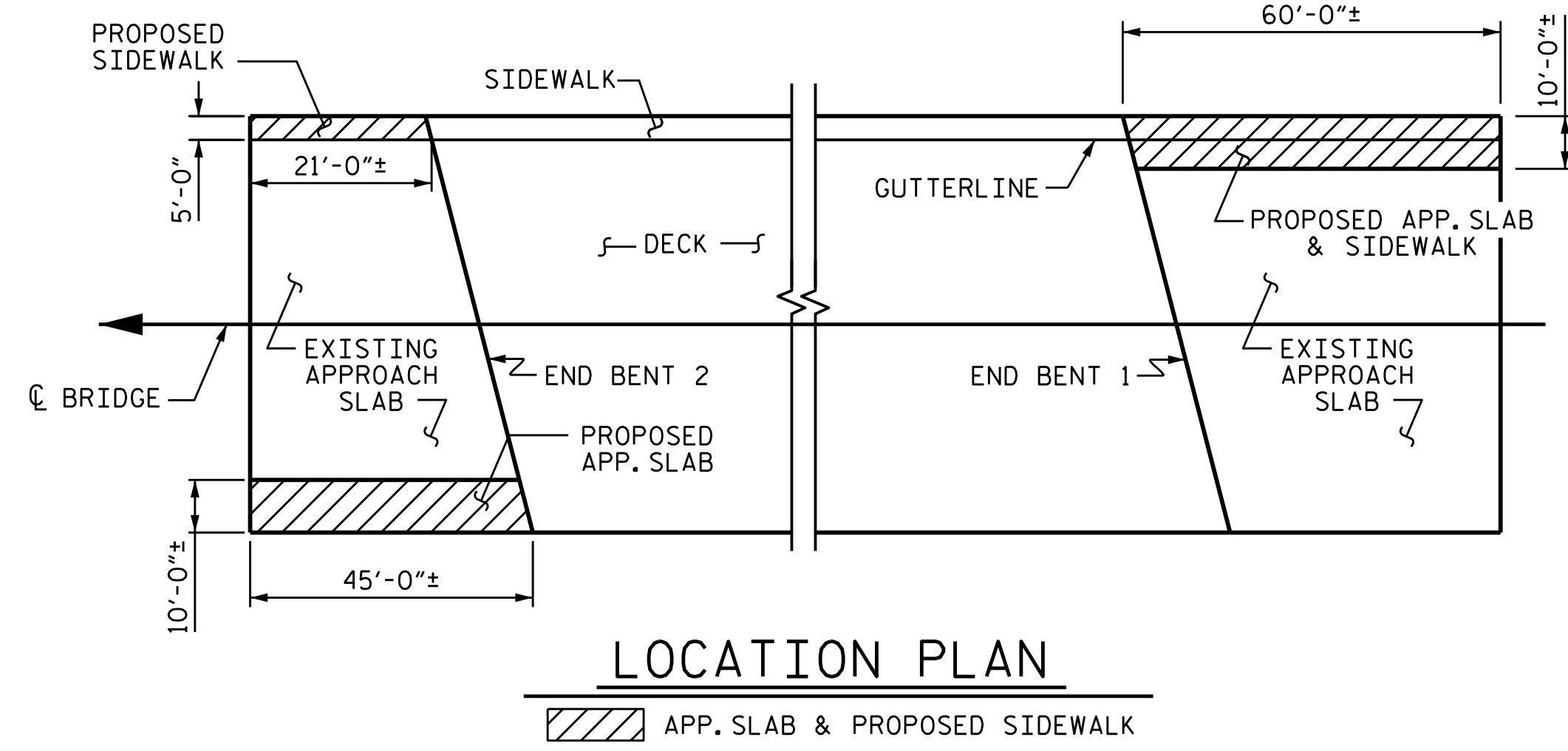
FOR SILICONE JOINT SEALS, SEE SPECIAL PROVISIONS.

SPLICE LENGTHS		
BAR SIZE	EPOXY COATED	UNCOATED
#4	2'-0"	1'-9"
#5	2'-6"	2'-2"
#6	3'-10"	2'-7"



DETAILS OF SIDEWALK ON APPROACH SLAB

(AT END BENT 1 SHOWN, AT END BENT 2 SIMILLAR)



LOCATION PLAN

APP. SLAB & PROPOSED SIDEWALK

BILL OF MATERIAL APPROACH SLABS AT END BENTS

BAR	NO.	SIZE	TYPE	LENGTH	WEIGHT
* A1	103	#4	STR	9'-8"	665
A2	103	#4	STR	9'-8"	665
* A3	1	#4	STR	8'-4"	6
A4	1	#4	STR	8'-4"	6
* A5	2	#4	STR	6'-9"	9
A6	2	#4	STR	6'-9"	9
* A7	1	#4	STR	5'-2"	3
A8	1	#4	STR	5'-2"	3
* A9	2	#4	STR	3'-9"	5
A10	2	#4	STR	3'-9"	5
* A11	1	#4	STR	2'-0"	1
A12	1	#4	STR	2'-0"	1
* B1	100	#5	STR	25'-6"	2660
B2	100	#6	STR	25'-6"	3830
D1	68	#6	STR	3'-0"	306

REINFORCING STEEL	LBS.	4825
* EPOXY COATED REINFORCING STEEL	LBS.	3349
CLASS AA CONCRETE	C. Y.	45.4

BILL OF MATERIAL SIDEWALK @ END BENT 1

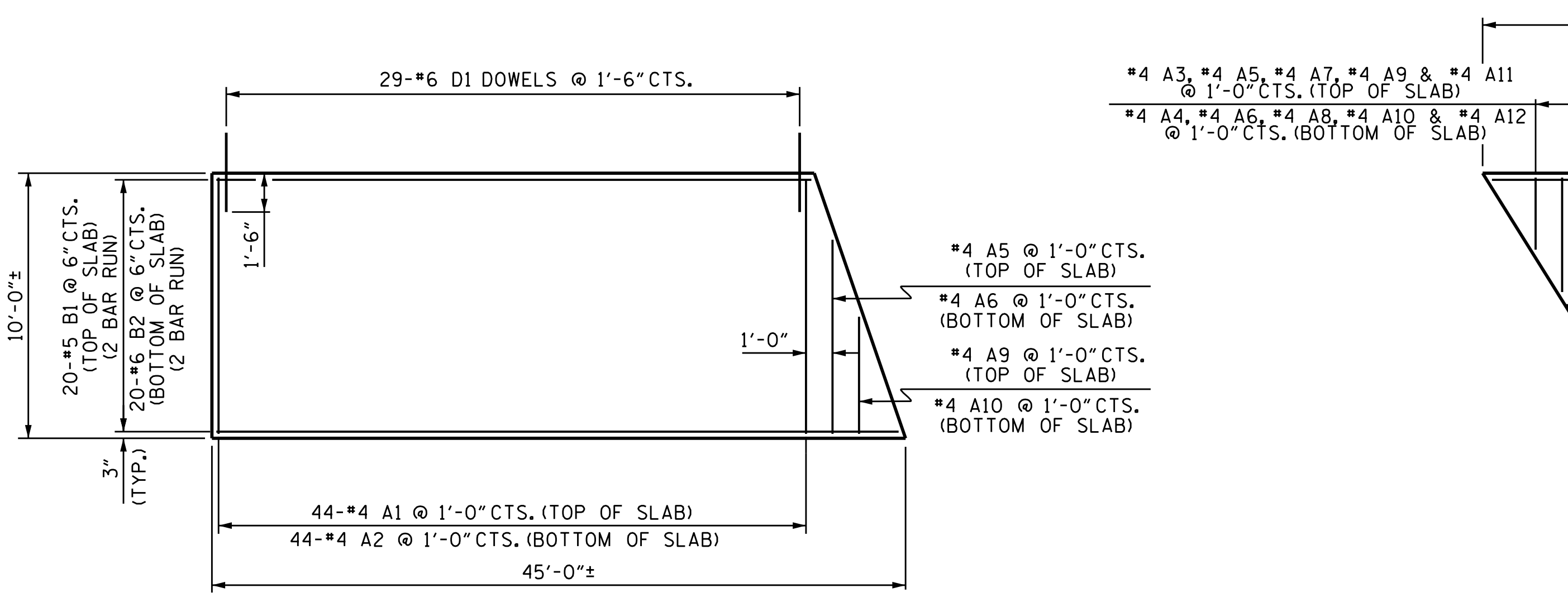
BAR	NO	SIZE	TYPE	LENGTH	WEIGHT
* B3	12	4	STR	23'-4"	187
* G1	59	4	STR	4'-5"	174
* G2	1	4	STR	3'-5"	2
* G3	1	4	STR	1'-11"	1
* U2	18	4	1	3'-2"	38

* EPOXY COATED REINFORCING STEEL	LBS.	402
CLASS AA CONCRETE	CU. YDS.	6.8

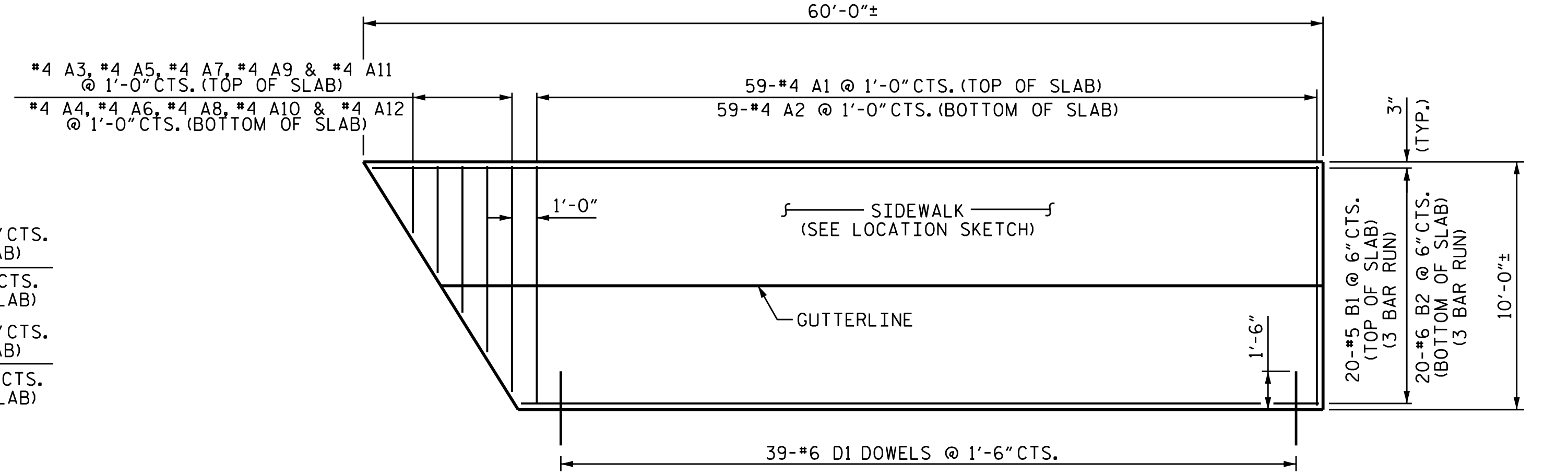
BILL OF MATERIAL SIDEWALK @ END BENT 2

BAR	NO	SIZE	TYPE	LENGTH	WEIGHT
* B4	8	4	STR	12'-0"	64
* G1	21	4	STR	4'-5"	62
* G2	1	4	STR	1'-6"	1
* U2	8	4	1	3'-2"	17

* EPOXY COATED REINFORCING STEEL	LBS.	144
CLASS AA CONCRETE	CU. YDS.	2.4

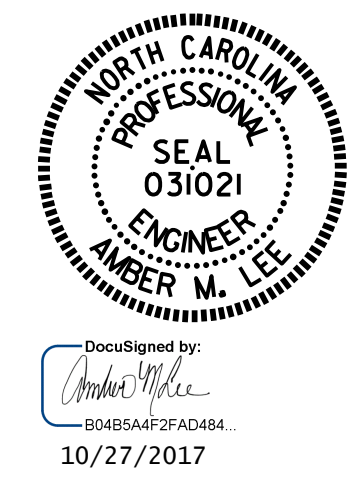


APPROACH SLAB AT END BENT 2



APPROACH SLAB AT END BENT 1

WBS NO. 47340
BUNCOMBE COUNTY
STATION: 59



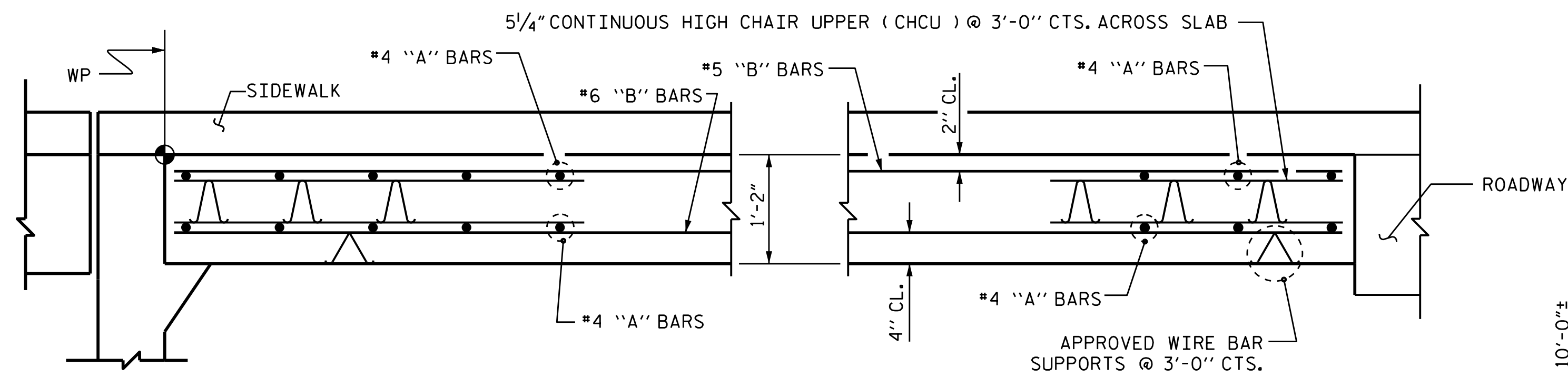
STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
RALEIGH

APPROACH SLAB
DETAILS

DRAWN BY :	B.N.BARODAWALA	DATE :	9-17
CHECKED BY :	A.M.LEE	DATE :	9-17
DESIGN ENGINEER OF RECORD :	A.M.LEE	DATE :	9-17

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

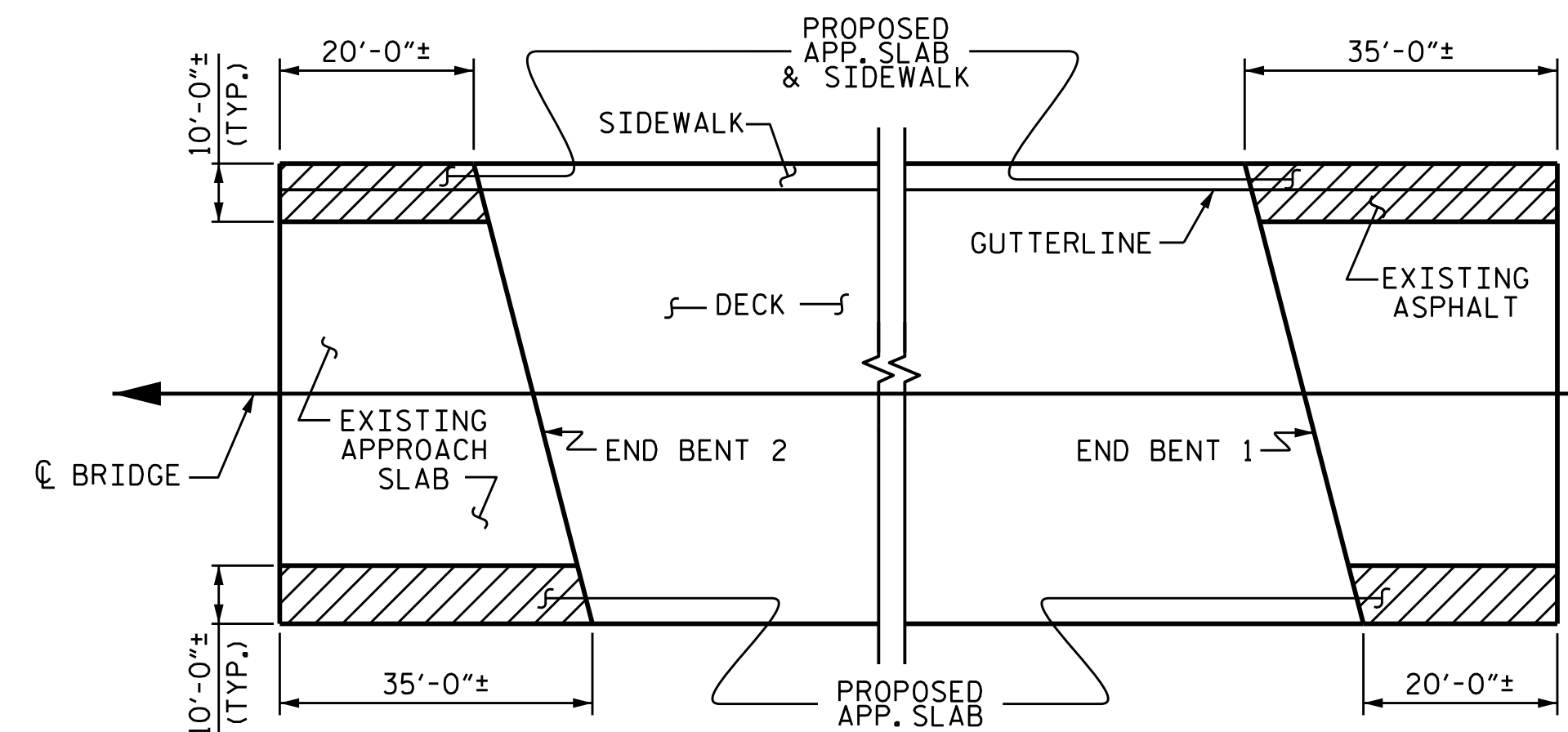
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NO.	BY:	DATE:	NO.	BY:	DATE:	S-11
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SECTION THRU SLAB

NOTES

AREA BETWEEN THE WINGWALL AND APPROACH SLAB SHALL BE GRADED TO DRAIN THE WATER AWAY FROM THE FILL FACE OF THE BRIDGE AND SHALL BE PAVED.
 THE JOINT SHALL BE SAWS PRIOR TO THE CASTING OF THE BARRIER RAIL, OR PARAPET AND END POST.
 FOR SILICONE JOINT SEALS, SEE SPECIAL PROVISIONS.



LOCATION PLAN

BILL OF MATERIAL FOR ONE APPROACH SLAB (2 REQ'D)

BAR NO.	NO.	SIZE	TYPE	LENGTH	WEIGHT
* A1	55	#4	STR	9'-8"	355
A2	55	#4	STR	9'-8"	355
* A3	2	#4	STR	5'-9"	8
A4	2	#4	STR	5'-9"	8
* A5	2	#4	STR	1'-11"	3
A6	2	#4	STR	1'-11"	3
* B1	100	#5	STR	13'-9"	1434
B2	100	#6	STR	13'-9"	2065
D1	37	#6	STR	3'-0"	167
REINFORCING STEEL				LBS.	2598
* EPOXY COATED REINFORCING STEEL				LBS.	1800
CLASS AA CONCRETE APPROACH SLAB				CU. YDS.	23.8

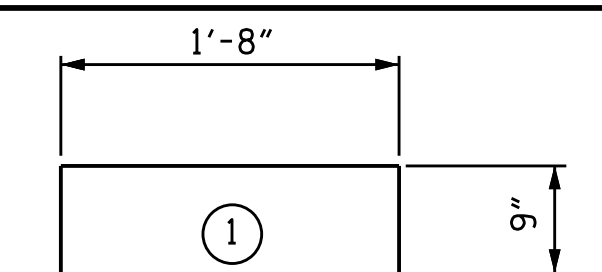
BILL OF MATERIAL SIDEWALK @ END BENT 1

BAR NO.	NO.	SIZE	TYPE	LENGTH	WEIGHT
* B3	8	4	STR	19'-9"	106
* G1	35	4	STR	4'-5"	103
* U2	12	4	1	3'-2"	25
* EPOXY COATED REINFORCING STEEL				LBS.	234
CLASS AA CONCRETE				CU. YDS.	4.3

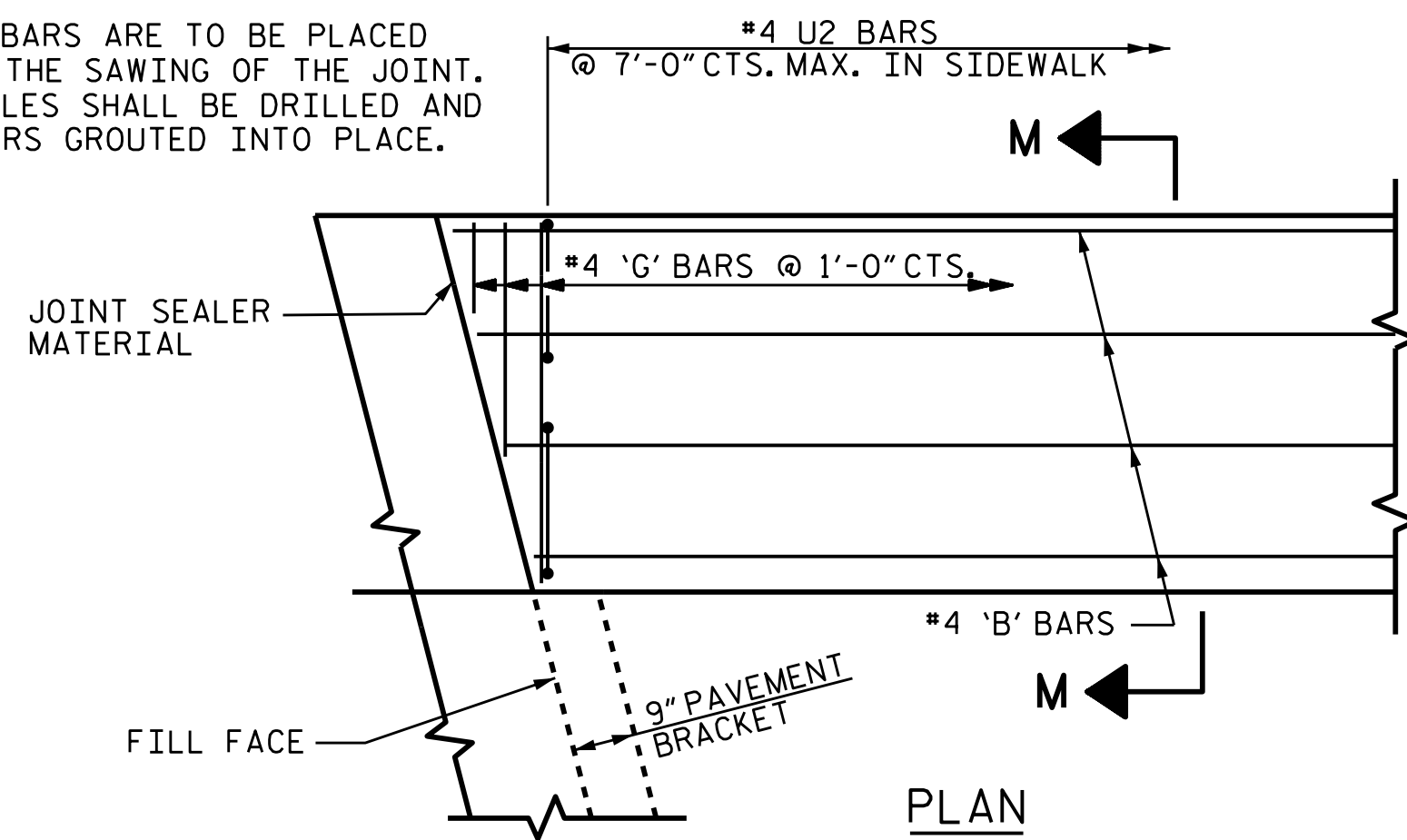
BILL OF MATERIAL SIDEWALK @ END BENT 2

BAR NO.	NO.	SIZE	TYPE	LENGTH	WEIGHT
* B4	8	4	STR	12'-0"	64
* G1	20	4	STR	4'-5"	59
* U2	8	4	1	3'-2"	17
* EPOXY COATED REINFORCING STEEL				LBS.	140
CLASS AA CONCRETE				CU. YDS.	2.8

BAR TYPE

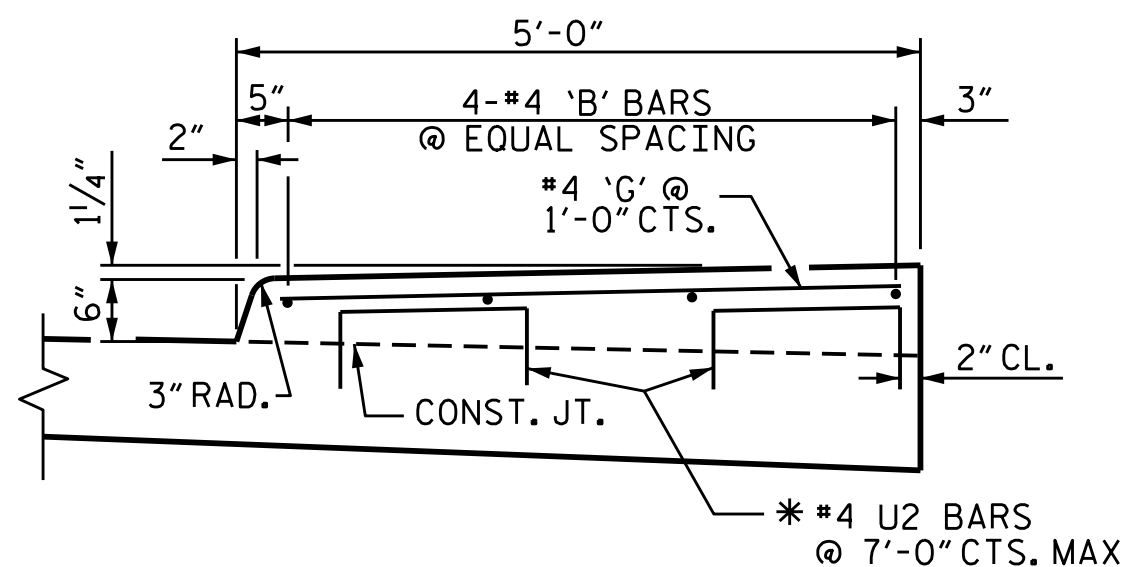


* THESE BARS ARE TO BE PLACED AFTER THE SAWING OF THE JOINT. THE HOLES SHALL BE DRILLED AND THE BARS GROUTED INTO PLACE.



DETAILS OF SIDEWALK ON APPROACH SLAB

(AT END BENT 1 SHOWN, AT END BENT 2 SIMILAR)

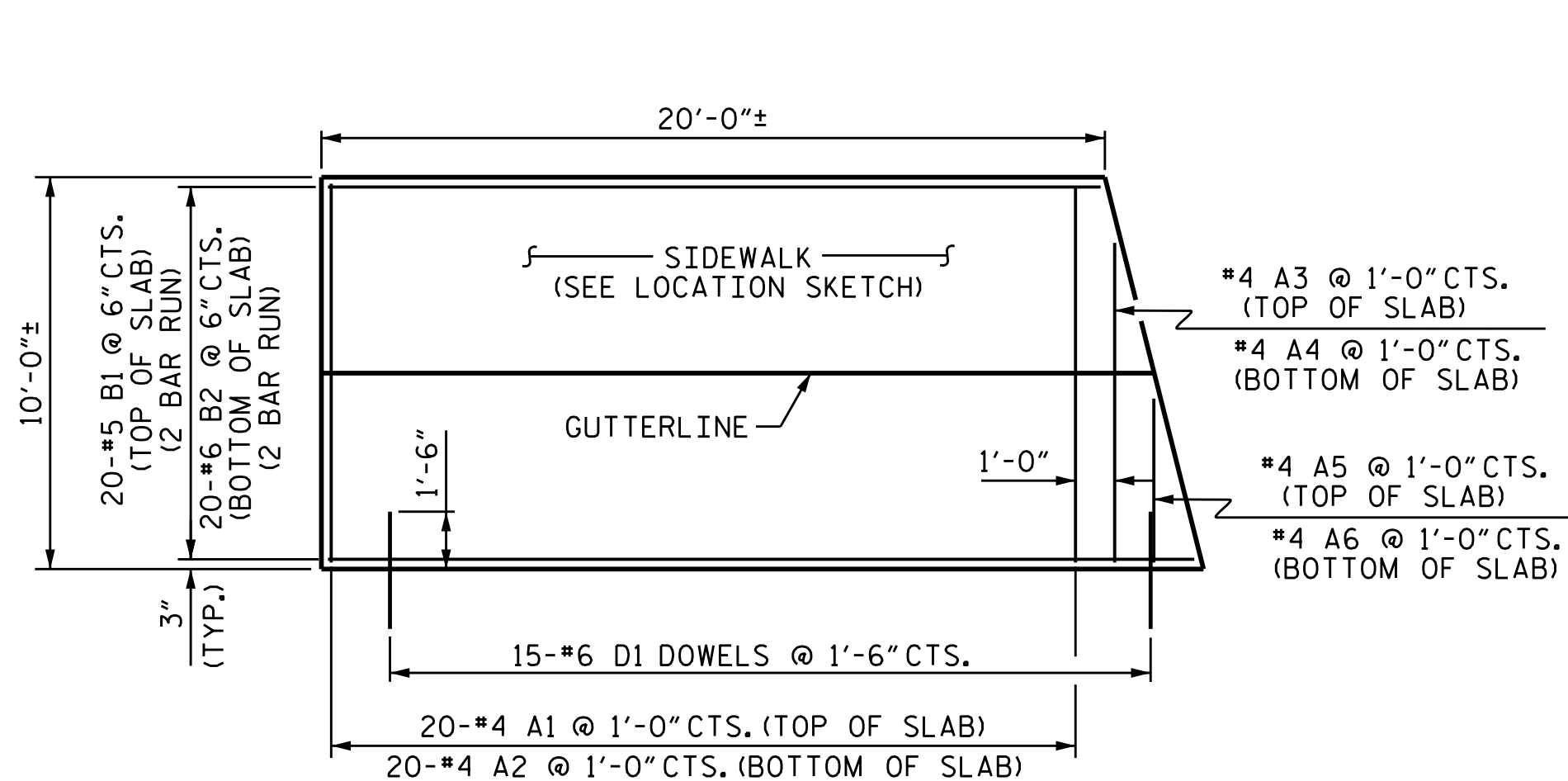


SECTION M-M

SPLICE LENGTHS

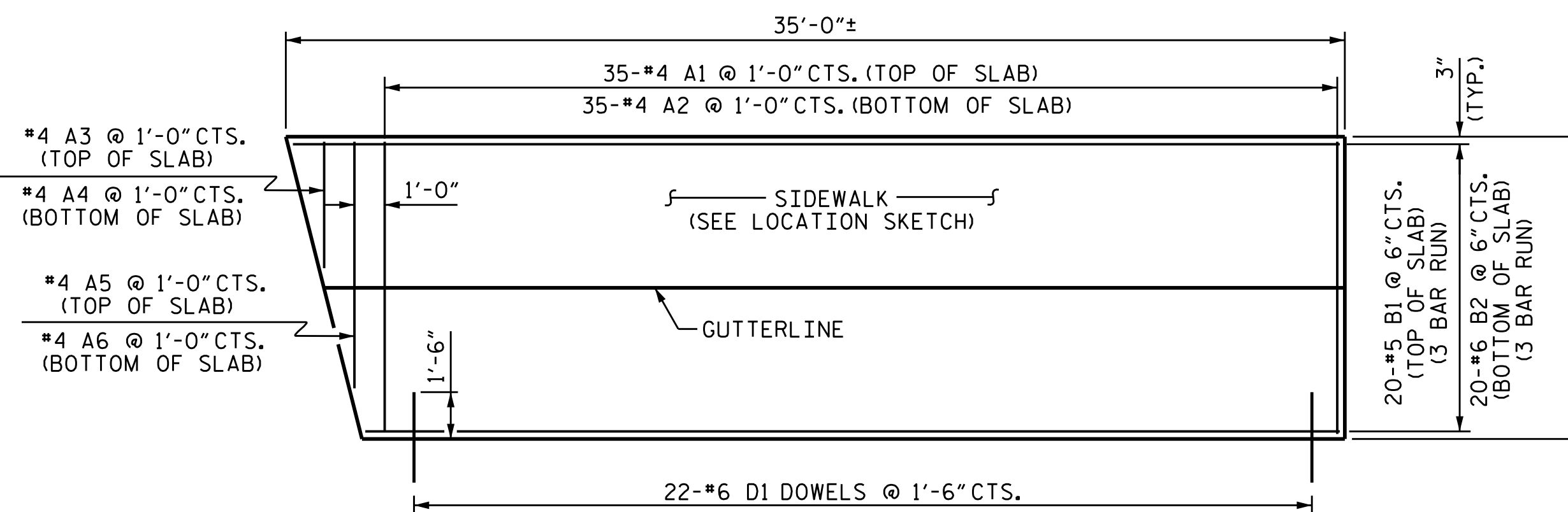
BAR SIZE	EPOXY COATED	UNCOATED
#4	2'-0"	1'-9"
#5	2'-6"	2'-2"
#6	3'-10"	2'-7"

	CLASS AA CONCRETE	REINFORCING STEEL	* EPOXY COATED REINFORCING STEEL
	CU. YDS.	LBS.	LBS.
END BENT 1	28.1	2598	2034
END BENT 2	26.6	2598	1940
TOTAL	54.7	5196	3974



APPROACH SLAB AT END BENT 2

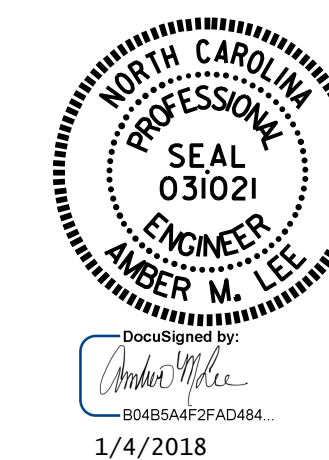
(APPROACH SLAB AT END BENT 1 SIMILAR BY ROTATION)



APPROACH SLAB AT END BENT 1

(APPROACH SLAB AT END BENT 2 SIMILAR BY ROTATION)

WBS NO. 47340
 BUNCOMBE COUNTY
 STATION: 744



STATE OF NORTH CAROLINA
 DEPARTMENT OF TRANSPORTATION
 RALEIGH

APPROACH SLAB DETAILS

DRAWN BY : B.N.BARODAWALA DATE : 9-17
 CHECKED BY : A.M.LEE DATE : 9-17
 DESIGN ENGINEER OF RECORD : A.M.LEE DATE : 9-17

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2			4			20

