

**NOTES:**

GROOVED CONTRACTION JOINTS, 1/2" IN DEPTH SHALL BE TOOLED IN ALL EXPOSED FACES OF THE MONOLITHIC CONCRETE ISLAND 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 FILL FACE AT END BENT 1 TO FILL FACE AT END BENT 2 AND OVER THE INTERIOR BENT. NO CONTRACTION JOINTS WILL BE REQUIRED FOR SEGMENTS LESS THAN 10 FEET IN LENGTH.

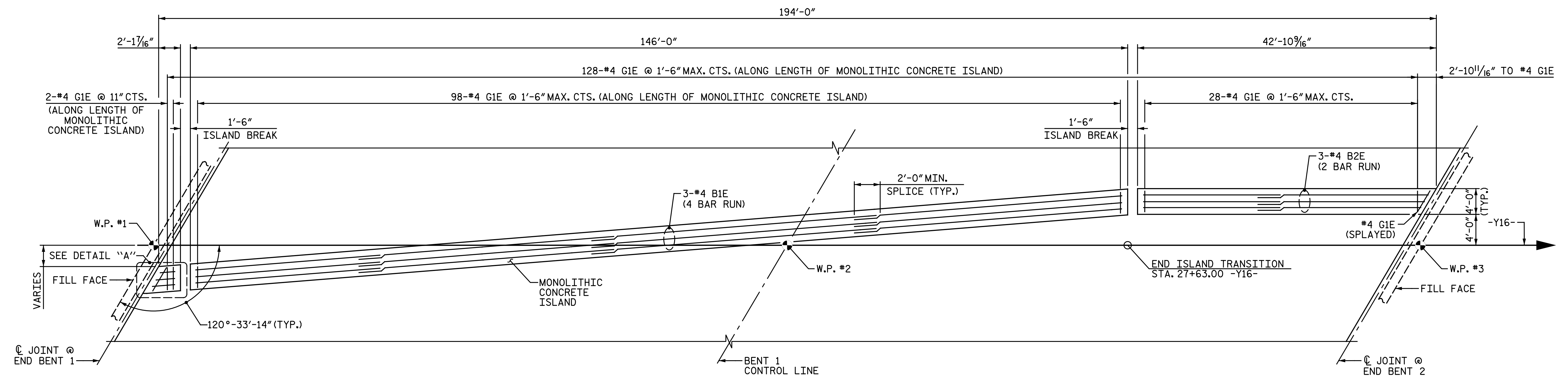
ALL REINFORCING STEEL IN MONOLITHIC CONCRETE ISLAND SHALL BE EPOXY COATED.

THE MONOLITHIC CONCRETE ISLAND ON A CONTINUOUS UNIT SHALL NOT BE CAST UNTIL ALL CONCRETE IN THE UNIT HAS BEEN CAST AND HAS REACHED A MINIMUM COMPRESSIVE STRENGTH OF 3000 PSI.

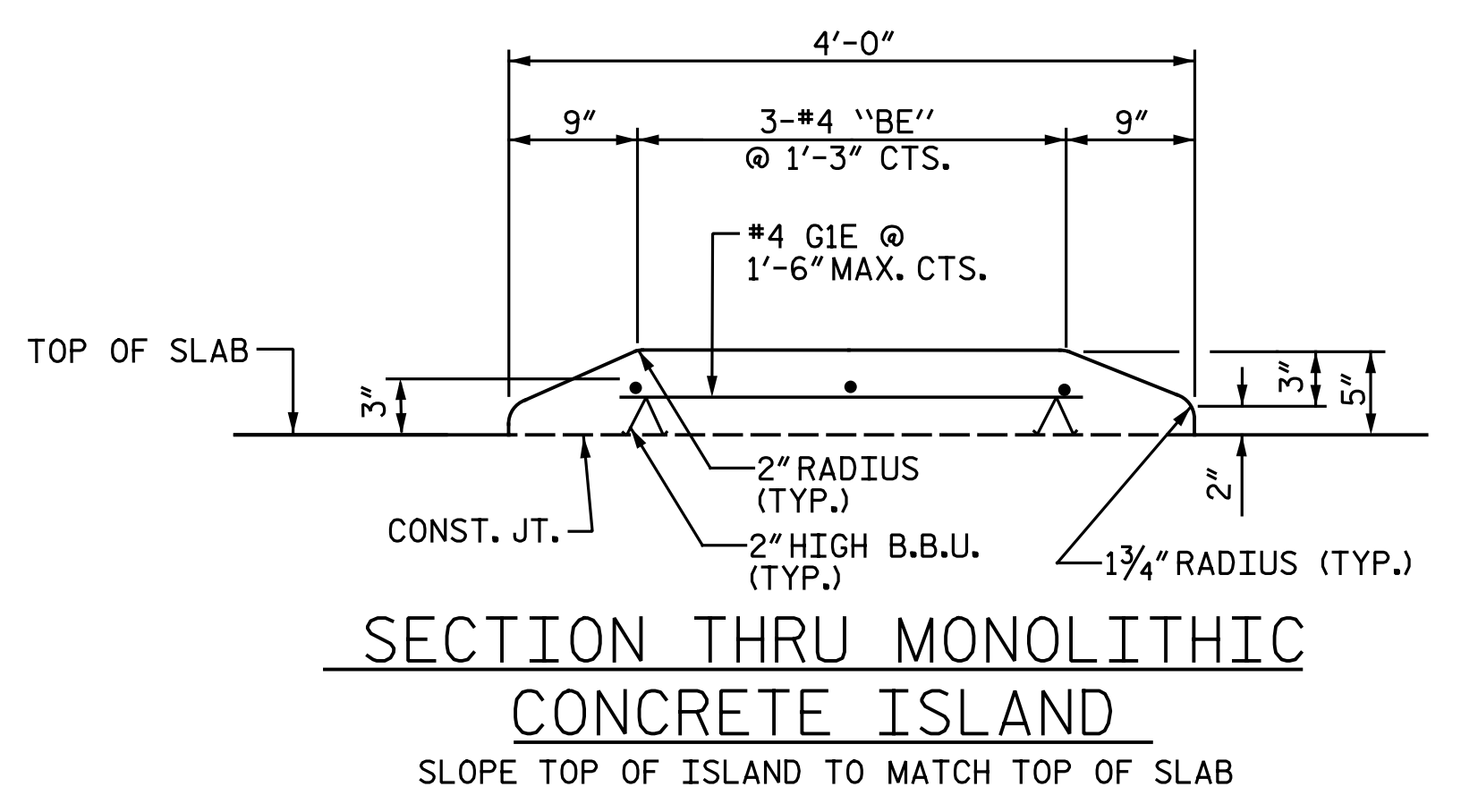
NO SEPARATE MEASUREMENT OR PAYMENT WILL BE MADE FOR MATERIALS OR LABOR REQUIRED TO CONSTRUCT THE MONOLITHIC CONCRETE ISLAND. THE ENTIRE COST OF THIS WORK SHALL BE INCLUDED IN THE UNIT BID PRICE FOR REINFORCED CONCRETE DECK SLAB.

FOR MONOLITHIC CONCRETE ISLAND ON APPROACH SLAB, SEE "BRIDGE APPROACH SLAB DETAILS" SHEET.

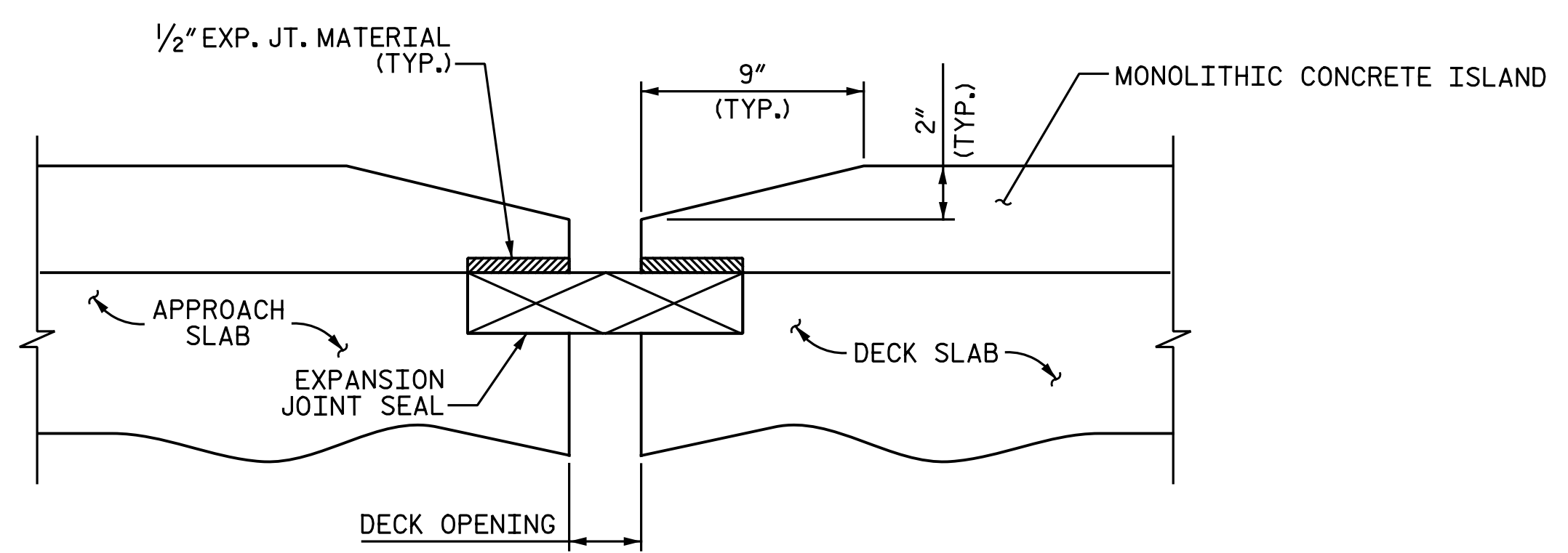
BILL OF MATERIAL					
MONOLITHIC CONCRETE ISLAND					
BAR	NO.	SIZE	TYPE	LENGTH	WEIGHT
B1E	12	#4	STR.	37'-10"	303
B2E	6	#4	STR.	21'-11"	88
B3E	1	#4	STR.	2'-10"	2
B4E	1	#4	STR.	2'-0"	1
B5E	1	#4	STR.	1'-3"	1
G1E	130	#4	STR.	2'-11"	253
EPOXY COATED REINFORCING STEEL				LBS.	648
CLASS AA CONCRETE				CU. YDS.	10.5



**PLAN OF MONOLITHIC CONCRETE ISLAND**  
(SEE ROADWAY PLANS FOR BEGIN ISLAND TRANSITION STATION AND OFFSET FROM -Y16-)



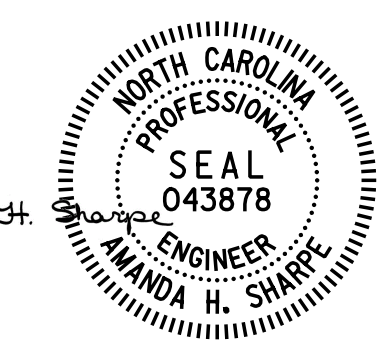
**SECTION THRU MONOLITHIC CONCRETE ISLAND**  
SLOPE TOP OF ISLAND TO MATCH TOP OF SLAB



**SECTION THROUGH MONOLITHIC CONCRETE ISLAND AT EXP. JOINTS**  
CHAMFER SHOWN ON ISLAND IS SIMILAR FOR ISLAND BREAKS.

PROJECT NO. I-5883  
HARNETT COUNTY  
STATION: 27+09.19 -Y16-

DocuSigned by:  
*Amanda H. Sharpe*  
4/8/2020



STATE OF NORTH CAROLINA  
DEPARTMENT OF TRANSPORTATION  
RALEIGH  
SUPERSTRUCTURE  
**MONOLITHIC CONCRETE ISLAND**

DRAWN BY : N. B. SPEAKS DATE : 12-4-19  
CHECKED BY : A. H. SHARPE DATE : 2-7-20

DOCUMENT NOT CONSIDERED FINAL  
UNLESS ALL SIGNATURES COMPLETED

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REVISIONS						SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:	SI-17
1			3			TOTAL SHEETS
2			4			35