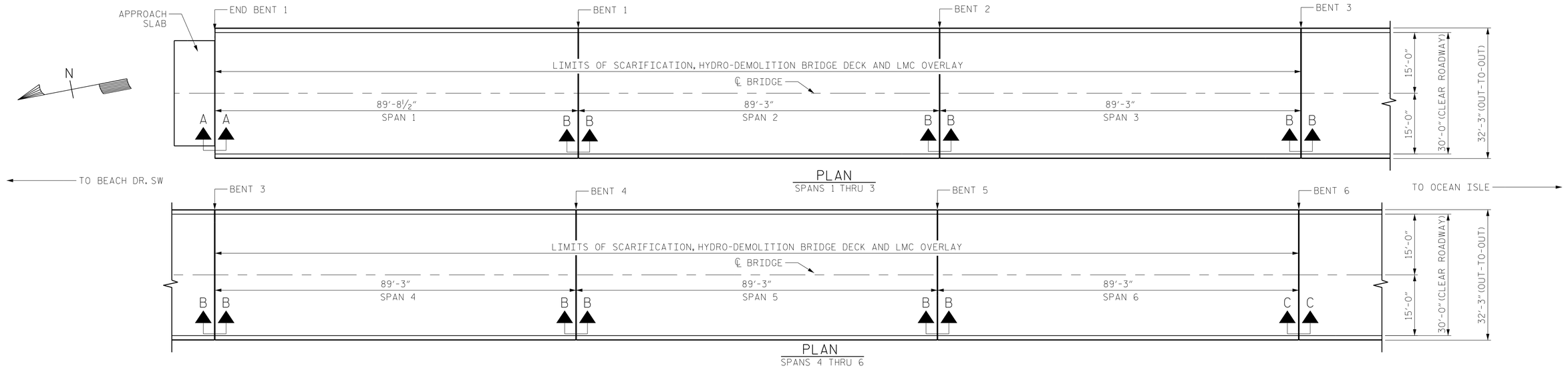

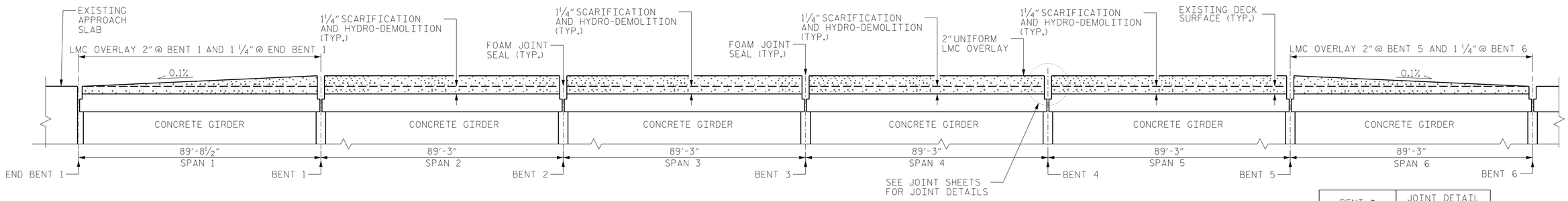

LMC OVERLAY THICKNESS DETAIL

SPANS 1 THRU 6 (NOT TO SCALE)

BENT #	JOINT DETAIL DESIGNATION
END BENT 1	A - A
1	B - B
2	B - B
3	B - B
4	B - B
5	B - B
6	C - C

NOTES:

WHERE MULTIPLE SPANS ARE LISTED, ESTIMATED QUANITITES ARE BASED ON THE ANTICIPATED VALUES FOR A SINGLE SPAN OF THAT CONFIGURATION.

REPAIR LOCATIONS AND ESTIMATED QUANTITIES ARE GIVEN WITH THE BEST INFORMATION AVAILABLE. IF ADDITIONAL REPAIRS NOT SHOWN ON THE DRAWINGS ARE DEEMED NECESSARY BY THE ENGINEER, THE ENGINEER WILL NOTE ON THE DRAWINGS THE APPROXIMATE LOCATIONS AND DESCRIPTION OF THE REPAIRS AND ADJUST THE ACTUAL QUANTITIES ENTERED INTO THE AS-BUILT REPAIR QUANTITY TABLE.

CONCRETE COVER FOR TOP BARS IN THE DECK SLAB IS 2½″ PER THE EXISTING BRIDGE PLANS. ACTUAL CONCRETE COVER SHALL BE DETERMINED BY THE CONTRACTOR AND PRESENTED TO THE ENGINEER PRIOR TO BEGINNING SCARIFICATION.

CURRENT AVERAGE COVER IS EXPECTED TO BE FROM 1½″ TO 2″ BASED ON VISUAL INSPECTION EXCEPT FOR SPAN 3, WHERE THE CURRENT AVERAGE COVER IS EXPECTED TO BE FROM 0″ TO ½″.

MINOR QUANTITIES OF CLASS II AREAS ARE ANTICIPATED, PARTICULARLY NEAR JOINTS. HOWEVER, DUE TO THEIR SMALL SIZE, THE CLASS II LOCATIONS HAVE NOT BEEN DELINEATED ON THESE PLANS. THE CLASS II QUANTITIES INDICATED ARE ANTICIPATED TO BE SUFFICIENT FOR THE ACTUAL QUANTITIES ENCOUNTERED.

FOR CLASS II SURFACE PREPARATION LOCATIONS AT BRIDGE JOINTS, SEE "JOINT DETAILS SHEETS".

BRIDGE DECK GROOVING QUANTITY BASED ON LIMITS REQUIRED IN SECTION 420-14(B) OF STANDARD SPECIFICATIONS.

BRIDGE DECK SCARIFICATION LIMITS ARE THE FULL CLEAR ROADWAY WIDTH (INSIDE FACE OF EACH BRIDGE RAIL).

FOR BRIDGE DECK RIDEABILITY AND GROOVING, SEE SPECIAL PROVISIONS.

FOR CONCRETE FOR DECK REPAIR, SEE SPECIAL PROVISIONS.

FOR VOLUMETRIC MIXER, SEE SPECIAL PROVISIONS.

AS-BUILT REPAIR QUANTITY TABLE

TOP OF DECK REPAIRS

	SPAN 1		SPAN 2 THRU 5		SPAN 6	
	ESTIMATE	ACTUAL	ESTIMATE	ACTUAL	ESTIMATE	ACTUAL
SCARIFYING BRIDGE DECK	299 SY		298 SY		298 SY	
CLASS II SURFACE PREPARATION	0.2 SY		0.2 SY		0.2 SY	
CLASS III SURFACE PREPARATION	0.0 SY		0.0 SY		0.0 SY	
HYDO-DEMOLITION OF BRIDGE DECK	299 SY		298 SY		298 SY	
LATEX OVERLAY - VERY EARLY STRENGTH	14.9 CY		18.3 CY		14.9 CY	
PLACING & FINISHING LMC OVERLAY	299 SY		298 SY		298 SY	
GROOVING BRIDGE FLOORS	2413 SF		2401 SF		2401 SF	

PROJECT NO. 15BPR.24

BRUNSWICK COUNTY

BRIDGE NO. 090013

NORTH CAROLINA PROFESSIONAL SEAL 043777 ENGINEER JACOB H. DUKE

Jacob Duke DocuSigned by:

11/16/2020

KCA KISINGER CAMPO & ASSOCIATES

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(919) 882-7839
LICENSE #: C-1506

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
RALEIGH

PLAN OF SPAN SPANS 1 THRU 6

REVISIONS						SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:	S-4
1			3			TOTAL SHEETS
2			4			45

DRAWN BY : OMAR M. KHALAFALLA DATE : 10/2018
CHECKED BY : DIEGO A. AGUIRRE DATE : 10/2018
DESIGN ENGINEER OF RECORD : JACOB H. DUKE DATE : 10/2018

11/16/2020
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User:jduke