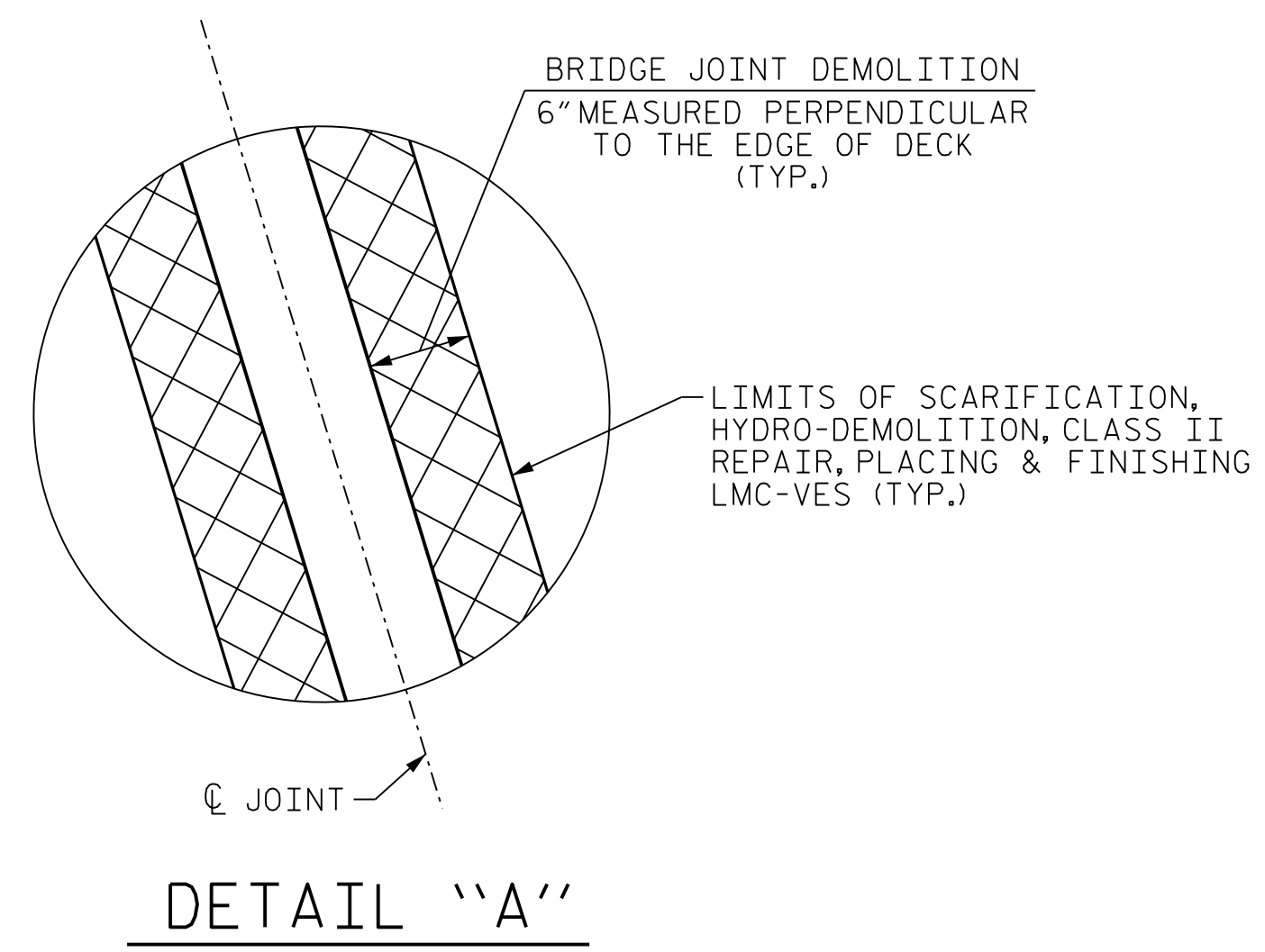


PLAN OF SPANS

AS-BUILT REPAIR QUANTITY TABLE SPANS A, B, C AND APPROACH SLAB 2				
TOP OF DECK REPAIRS				
	ESTIMATE	ACTUAL		
SCARIFYING BRIDGE DECK	474.5 SY			
HYDRO-DEMOLITION OF BRIDGE DECK	474.5 SY			
CLASS II SURFACE PREPARATION	0.0 SY			
LATEX MODIFIED CONCRETE OVERLAY-VERY EARLY STRENGTH	23.2 CY			
PLACING & FINISHING LMC-VES OVERLAY	474.5 SY			
BRIDGE JOINT DEMOLITION	51.5 SF			
GROOVING BRIDGE FLOORS	3706 SF			
UNDERSIDE OF DECK REPAIRS				
SHOTCRETE REPAIRS	QUANTITIES			
	ESTIMATE		ACTUAL	
	AREA SF	VOLUME CF	AREA SF	VOLUME CF
UNDERSIDE OF DECK	0.0	0.0		
OVERHANG DIAPHRAGMS	0.0	0.0		
UNDERSIDE OF OVERHANG	4.0	2.0		
INTERIOR DIAPHRAGMS	2.0	1.0		
	ESTIMATE		ACTUAL	
UNDERSIDE EPOXY RESIN INJECTION	0.0 LF			

VALUES IN CHART REPRESENT ESTIMATED UNDERSIDE OF DECK REPAIR TOTALS AFTER REMOVAL OF UNSOUND CONCRETE, MINIMUM OF 1" BEHIND REBAR AND MINIMUM 2" CLEAR TO SAW CUT. SEE REPAIR DETAILS.

- BRIDGE JOINT DEMOLITION
- CLASS II SURFACE PREPARATION
- DECK SCARIFICATION, HYDRO-DEMOLITION AND LATEX MODIFIED CONCRETE OVERLAY-VES
- UNDERSIDE OF DECK REPAIR
- \*X TEST HOLE LOCATION



NOTES:

REPAIR LOCATIONS AND ESTIMATE OF QUANTITIES ARE BASED ON 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 ENTER THE ACTUAL QUANTITIES INTO THE AS-BUILT REPAIR QUANTITY TABLE.

PAYMENT FOR CLASS II SURFACE PREPARATION IS BASED ON THE SQUARE YARDS OF ADDITIONAL DEMOLITION REQUIRED FOLLOWING HYDRO-DEMOLITION OF THE BRIDGE DECK. SEE "LMC OVERLAY SURFACE PREPARATION" SPECIAL PROVISIONS.

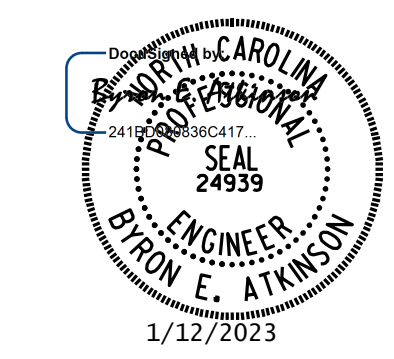
FOR SECTIONS A-A AND B-B, SEE "JOINT DETAILS" SHEET.

TEST LOCATION	*CONCRETE COVER	ESTIMATED CONCRETE STRENGTH
	(INCH)	(PSI)
#1	2 1/8"	4500
#2	1 7/8"	4500
#3	2 3/4"	4300
#4	2 1/4"	4300
#5	2 5/8"	4500
#6	2"	4300

INFORMATION IN CHART TAKEN FROM DECK EVALUATION DATED 08/31/22.

\* CONCRETE COVER FOR TOP BARS IN THE DECK ARE BASED ON DECK EVALUATION DATED 08/31/22. EXISTING BRIDGE PLANS INDICATE 1/2" CONCRETE COVER.

PROJECT NO. I-6052  
MECKLENBURG COUNTY  
 BRIDGE NO. 590282



**DOCUMENT NOT CONSIDERED FINAL  
UNLESS ALL SIGNATURES COMPLETED**

MI ENGINEERING  
 1011 SCHAUB DRIVE, SUITE 100  
 RALEIGH, NC 27606  
 (919) 851-6606  
 FIRM PE NUMBER: P-0671

STATE OF NORTH CAROLINA  
 DEPARTMENT OF TRANSPORTATION  
 RALEIGH  
 SUPERSTRUCTURE  
 SURFACE PREPARATION  
 SPANS A, B, C AND  
 APPROACH SLAB 2

REVISIONS						SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:	
1			3			S2-4 TOTAL SHEETS 108
2			4			

1/12/2023 9:18:08 AM User: blanning Filename: N:\NC Bridges\W2100139-I-6052-101 Meck Co. Br. Preservation\Structures\402-007-I-6052-SMU-DRI-590282.dgn

DRAWN BY : B.E. LANNING	DATE : 10/2022
CHECKED BY : B.E. ATKINSON	DATE : 10/2022
DESIGN ENGINEER OF RECORD : B.E. ATKINSON	DATE : 10/2022