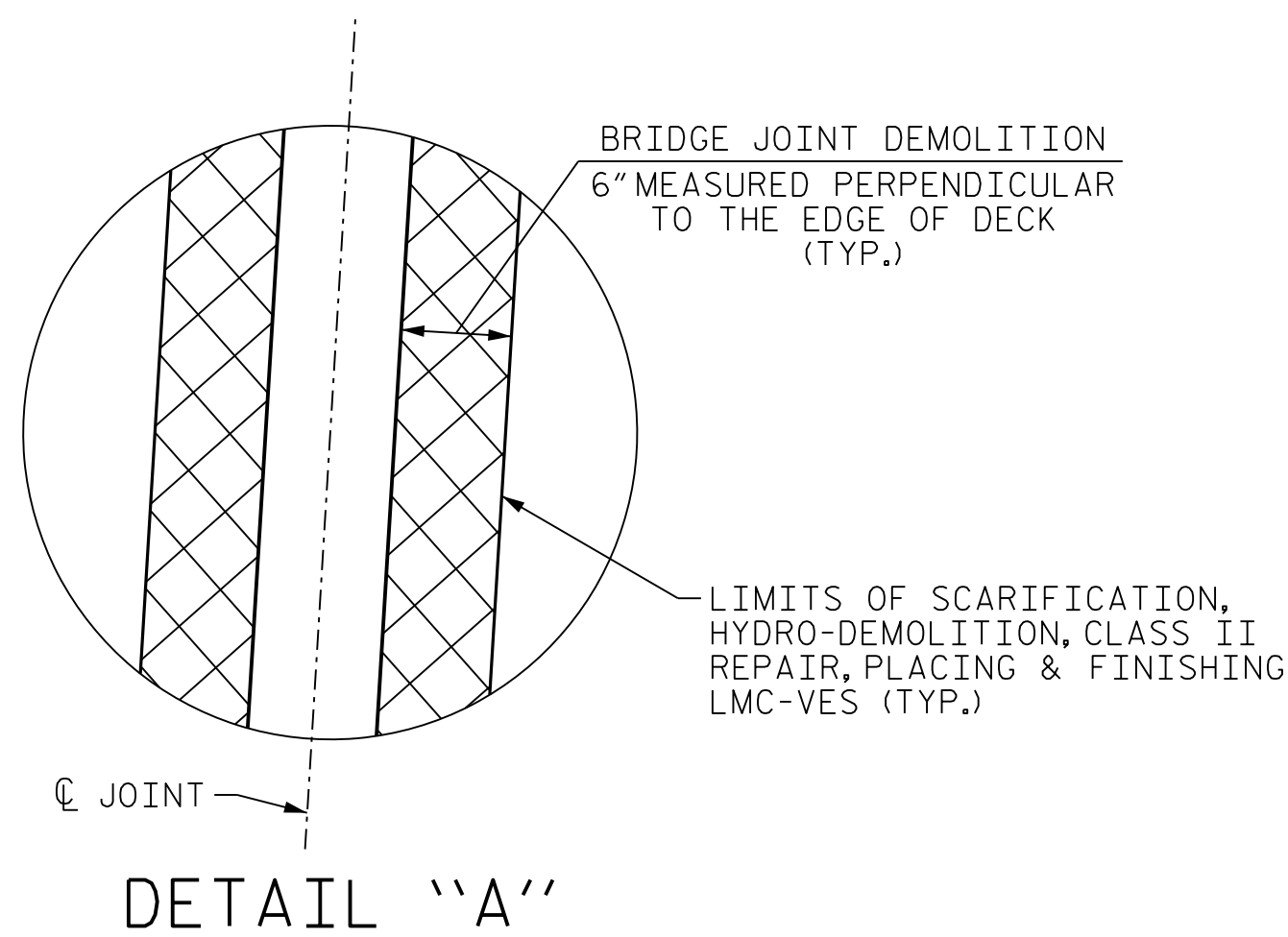


PLAN OF SPANS

- BRIDGE JOINT DEMOLITION
- CLASS II SURFACE PREPARATION
- DECK SCARIFICATION, HYDRO-DEMOLITION AND LATEX MODIFIED CONCRETE OVERLAY-VES
- #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	1 3/8"	4500
#2	2 3/8"	4500
#3	2 1/4"	4900
#4	2 1/8"	4300
#5	2 1/8"	4300
#6	2 3/8"	4700

INFORMATION IN CHART TAKEN FROM DECK EVALUATION DATED 08/30/22.

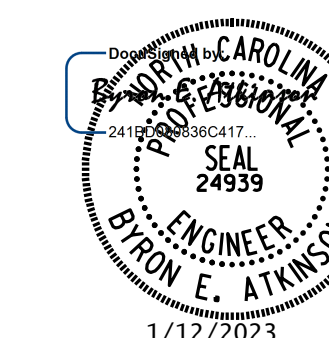
* CONCRETE COVER FOR TOP BARS IN THE DECK ARE BASED ON DECK EVALUATION DATED 08/30/22. EXISTING BRIDGE PLANS INDICATE 1 1/2" CONCRETE COVER.

AS-BUILT REPAIR QUANTITY TABLE SPANS A, B AND C				
TOP OF DECK REPAIRS				
	ESTIMATE	ACTUAL		
SCARIFYING BRIDGE DECK	829.3 SY			
HYDRO-DEMOLITION OF BRIDGE DECK	829.3 SY			
CLASS II SURFACE PREPARATION	11.8 SY			
LATEX MODIFIED CONCRETE OVERLAY-VERY EARLY STRENGTH	40.5 CY			
PLACING & FINISHING LMC-VES OVERLAY	829.3 SY			
BRIDGE JOINT DEMOLITION	80.6 SF			
GROOVING BRIDGE FLOORS	6830 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	0.0	0.0		
INTERIOR DIAPHRAGMS	0.0	0.0		
	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.

PROJECT NO. I-6052
MECKLENBURG COUNTY
 BRIDGE NO. 590341

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



**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

REVISIONS						SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:	
1			3			S7-4 TOTAL SHEETS 108
2			4			

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

1/12/2023 9:19:21 AM User: blanning
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