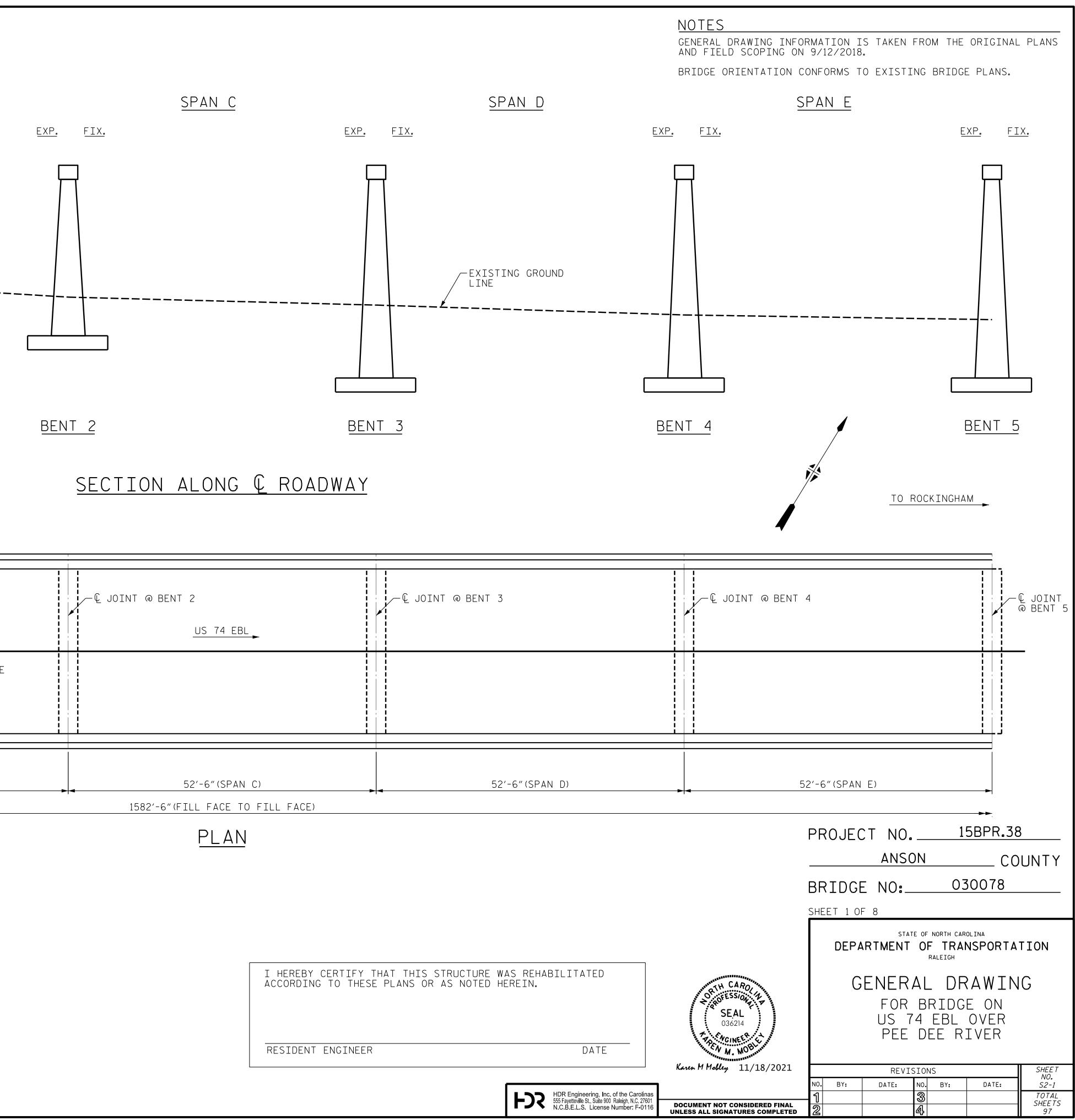
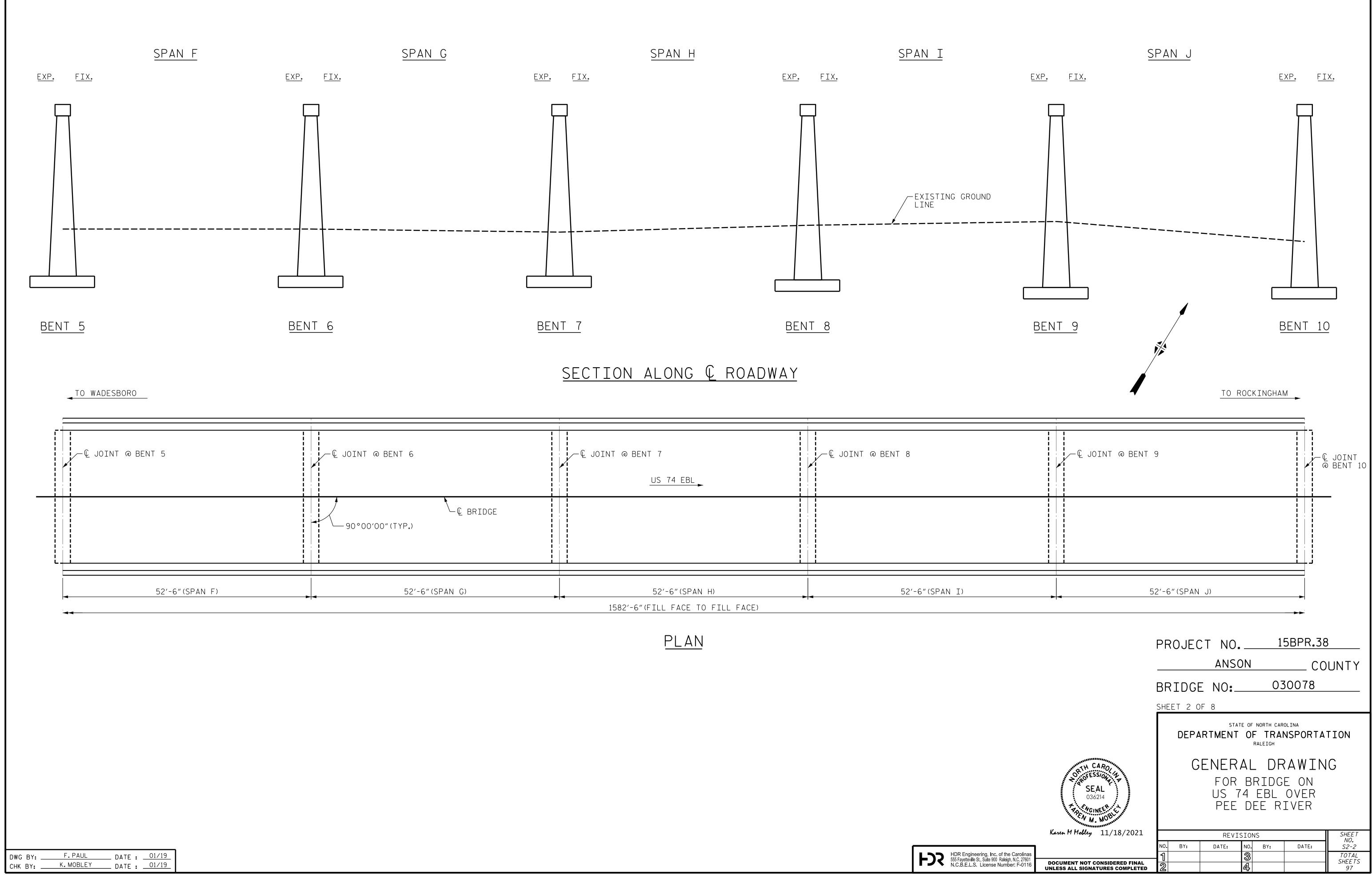


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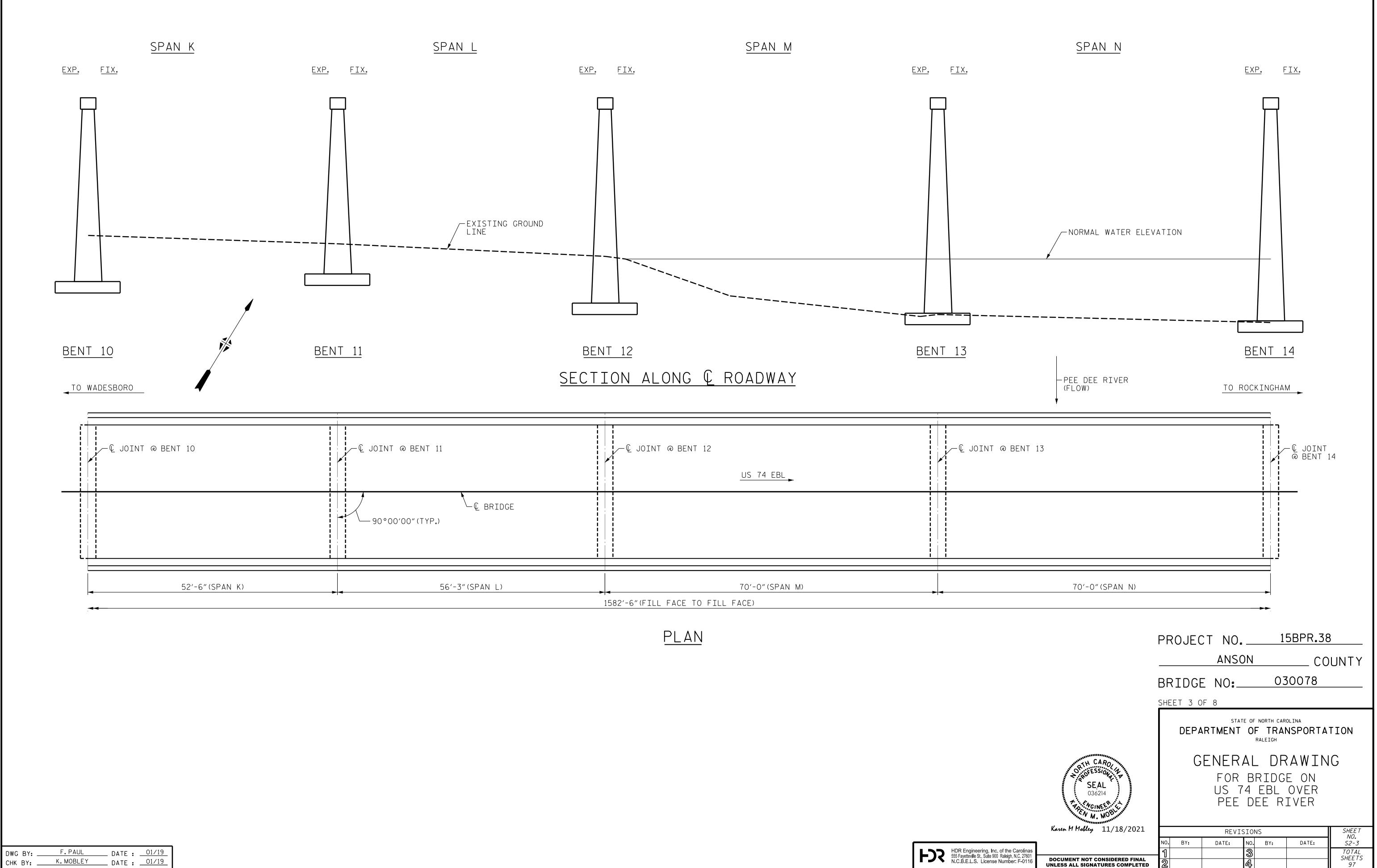
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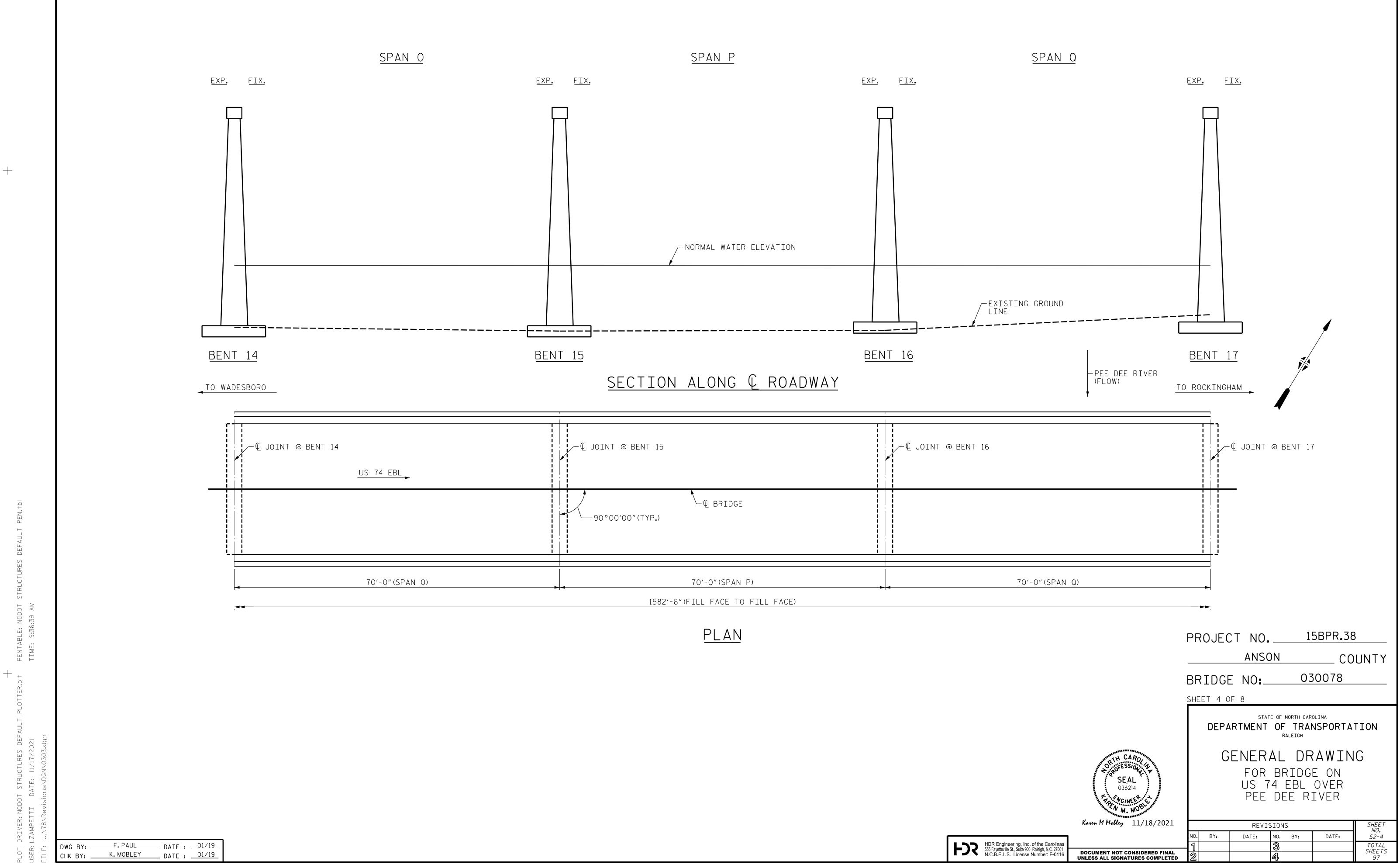
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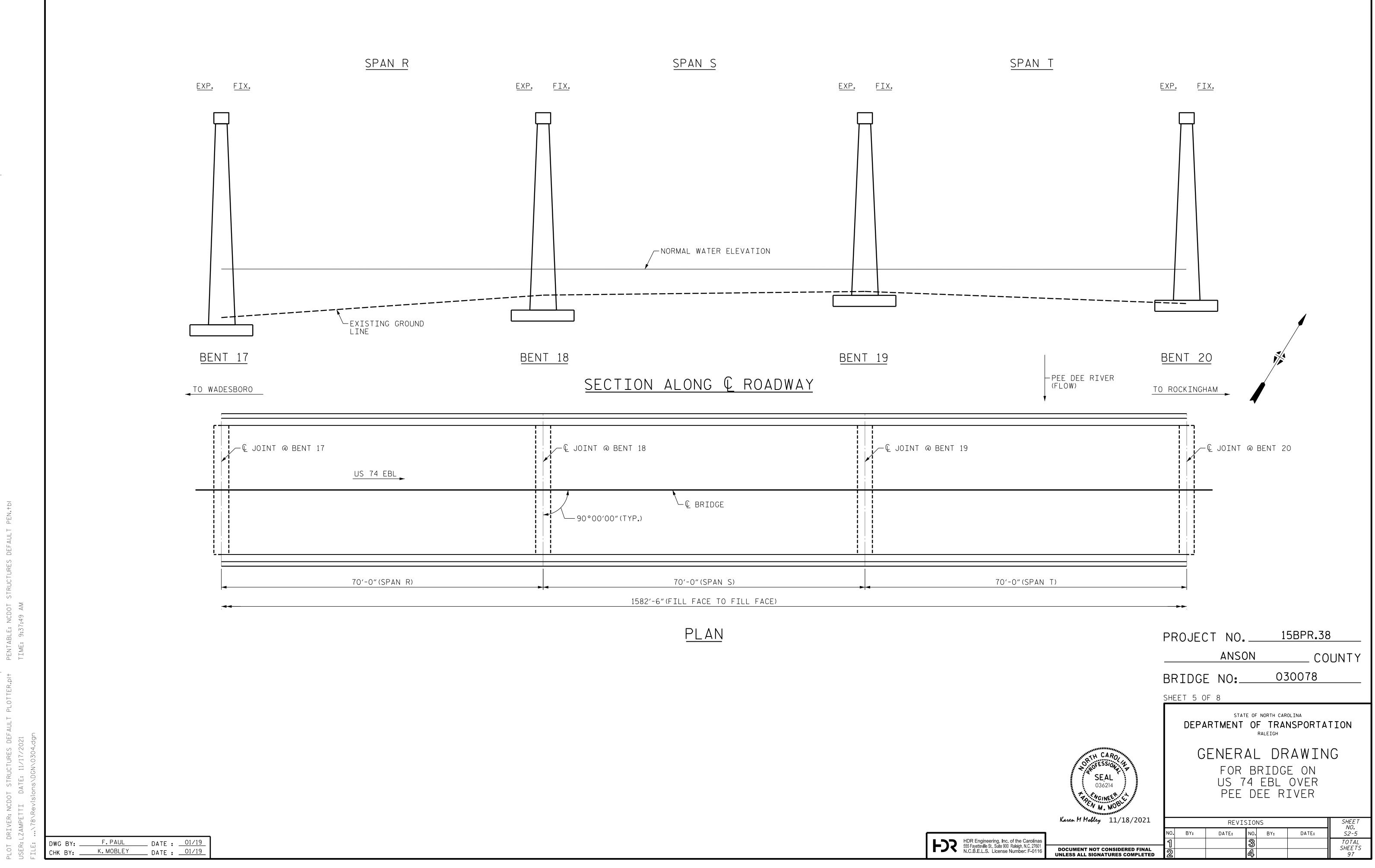
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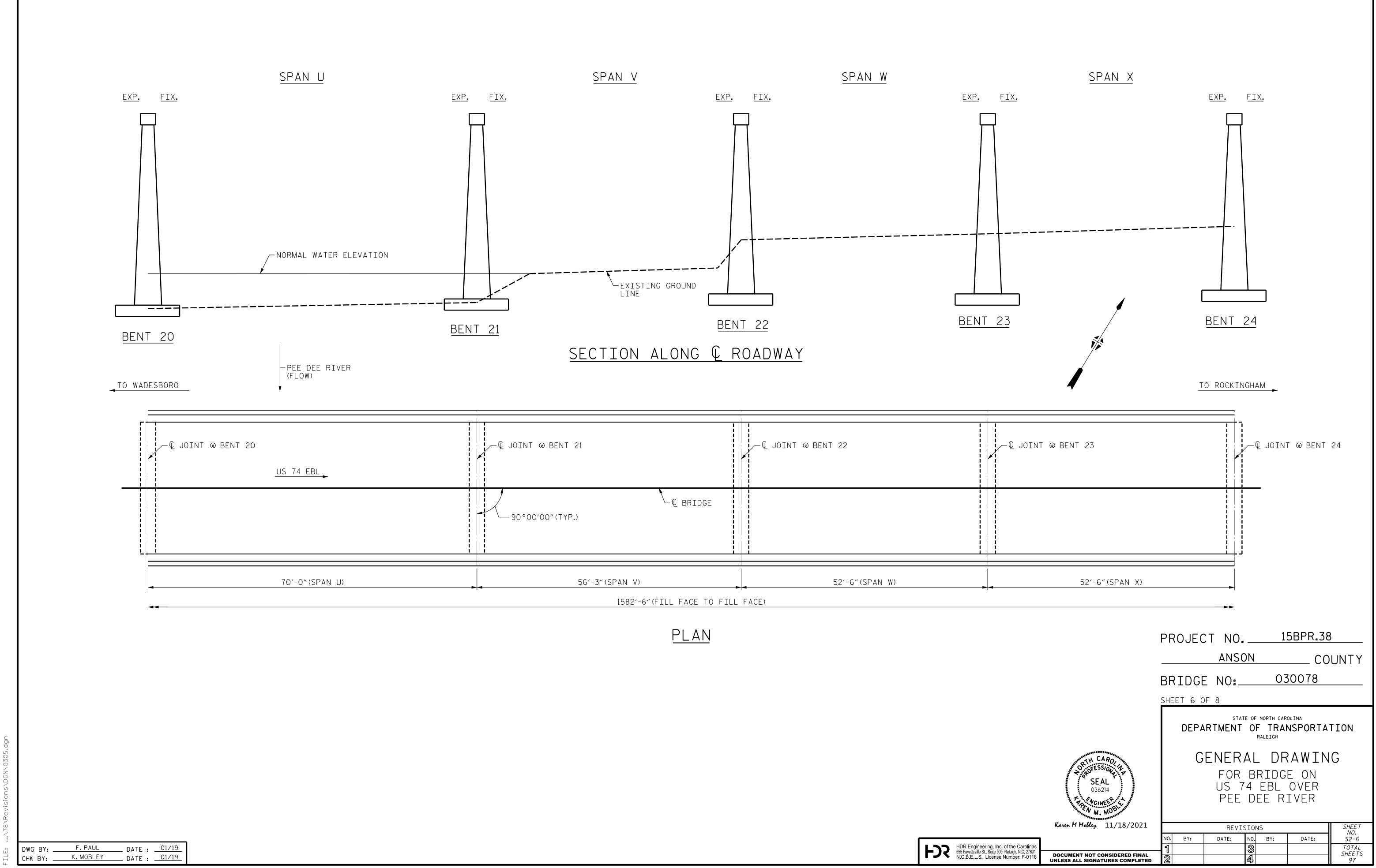
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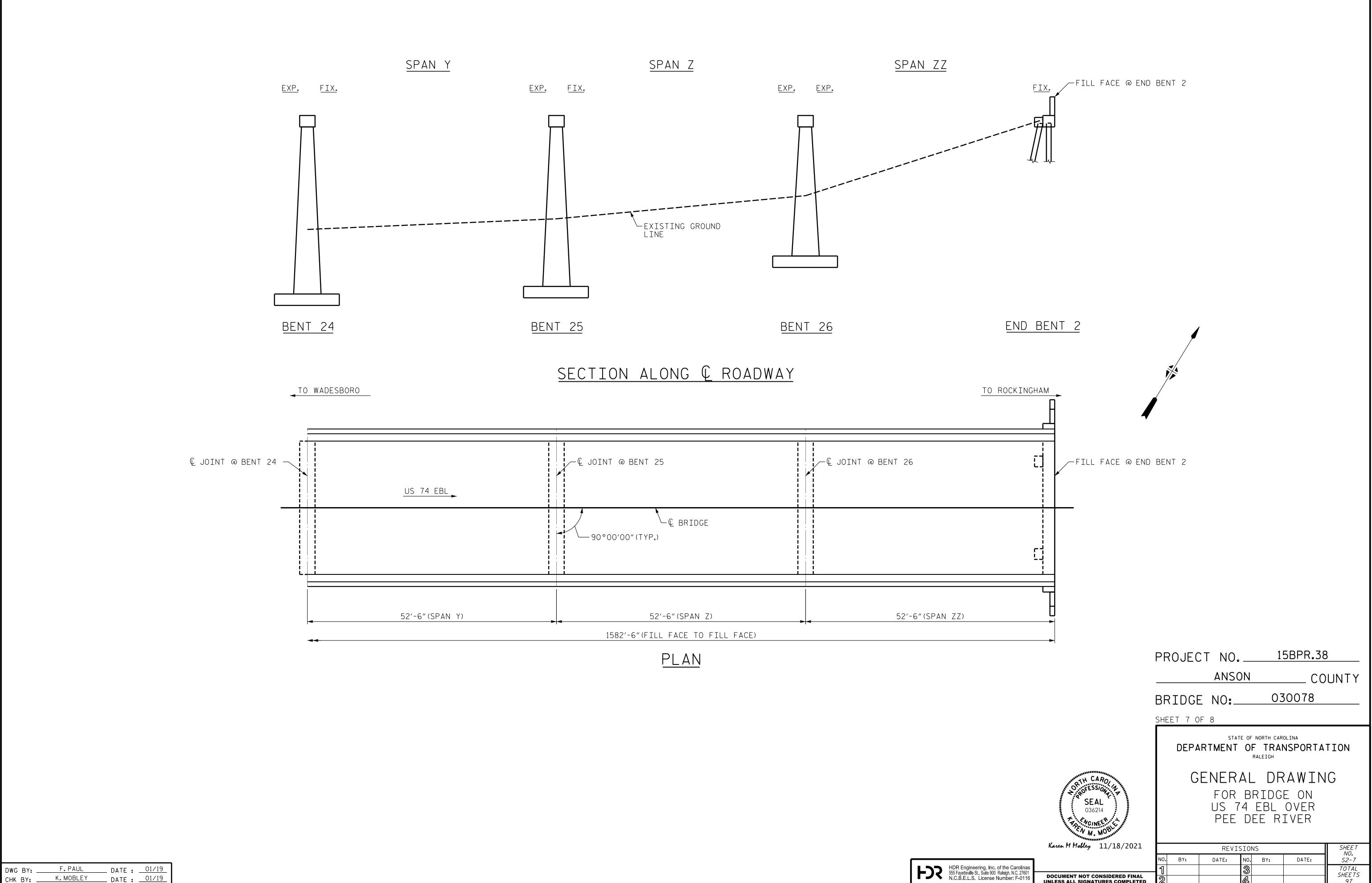
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NCDOT 9:41 AM

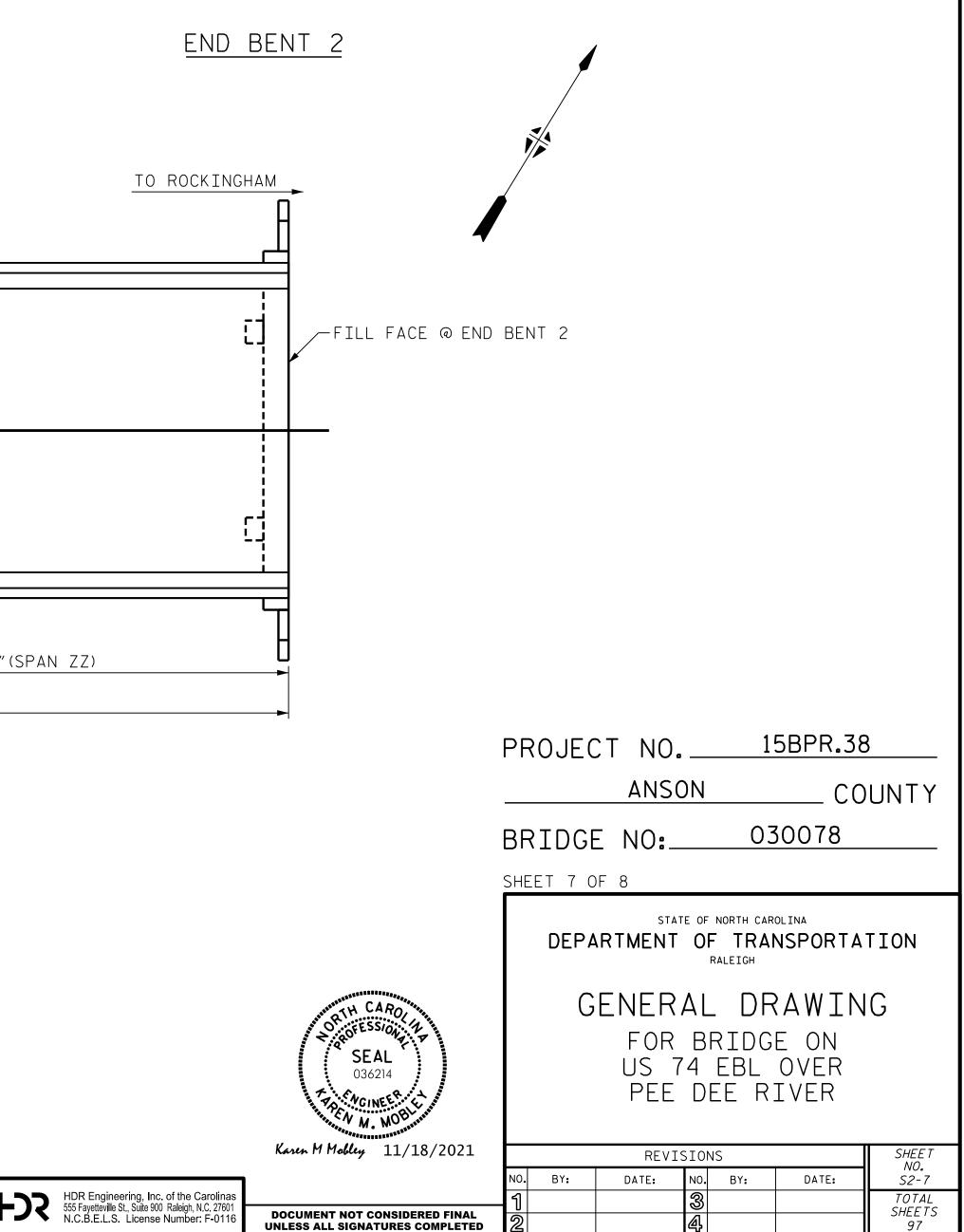
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DWG BY:	F. PAUL	DATE :	01/19
CHK BY:	K.MOBLEY	DATE :	01/19





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.

BRIDGE COORDINATES LAT: 34.946067 LONG: -79.870617

									FOTAL B	ILL OF	MATERIAL							
	BRIDGE NO.78	INCIDENTAL MILLING	ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5C	ASPHALT BINDER FOR PLANT MIX	GROOVING BRIDGE FLOORS	POLLUTION CONTROL	CLASS II SURFACE PREPARATION	CONCRETE REPAIRS	SHOTCRETE REPAIRS	EPOXY RESIN INJECTION	PAINTING CONTAINMENT FOR BRIDGE NO.78	FOAM JOINT SEALS FOR PRESERVATION	POLYESTER POLYMER CONCRETE MATERIALS	EPOXY POLYMER CONCRETE MATERIALS (ALTERNATE)	REPAIRS TO PRESTRESSED CONCRETE GIRDERS	EPOXY COATING	CONCRETE DECK REPAIR FOR POLYMER CONCRETE OVERLAY	PLACING AN FINISHING POLYMER CONCRETE OVERLAY
Г	TOTALS	SQ.YDS.	TONS	TONS	SQ.FT.	LUMP SUM	SQ. YDS.	CU.FT.	CU.FT.	LIN.FT.	LUMP SUM	LIN.FT.	CU.YDS.	CU.YDS.	CU.FT.	SQ.FT.	SQ. YDS.	SQ. YDS.
L	TUTALS	1000.0	90.0	10.0	39562.6	LUMP SUM	78.0	7.6	54.7	2.0	LUMP SUM	863.2	204.4	204.4	68.8	2116.2	78.0	4922.1

Τ	OTAL BI	LL OF MA1	ERIAL —
BRIDGE NO.78	SCARIFYING BRIDGE DECK	SHOTBLASTING BRIDGE DECK	CLEANING AND PAINTING EXISTING BEARINGS WITH HIGH RATIO CALCIUM SULFONATE
TOTALS	SQ.YDS.	SQ.YDS.	EA.
TUTALS	4922.1	4922.1	252

DWG BY:	M. SELLS	DATE :	01/19
СНК ВҮ:	K. MOBLEY	DATE :	01/19

ΡΕΝ Ш S PLOTTE H. DEFAUL 021 STRUCTURES ATE: 11/17/20 DRIVER: NCDOT S : LZAMPETTI DAT :JLE:

NOTES EXISTING DIMENSIONS AND BRI THE CONTRACTOR SHALL FIELD V IF ACTUAL DIMENSIONS AND COM THE CONTRACTOR SHALL HAVE NO ANY DELAYS OR ADDITIONAL COS AND THE ACTUAL CONDITIONS AT IT IS THE CONTRACTOR'S RESPO FOR TRAFFIC CONTROL AND LIM WORK ON BRIDGE SHALL BE PERF SHALL SUBMIT PLANS FOR CONST SPECIFICATIONS AND THE PROJE LONGITUDINAL CONSTRUCTION J ANY DAMAGE TO EXISTING REIN DIRECTED BY THE ENGINEER AND PRIOR TO BEGINNING WORK, THE SEQUENCE OF TASKS FOR EACH O FOR SUBMITTAL OF WORKING DR FOR FALSEWORK AND FORMWORK, FOR CRANE SAFETY, SEE SPECIAL FOR GROUT FOR STRUCTURES, SE FOR CONCRETE REPAIRS, SEE SPE FOR SHOTCRETE REPAIRS, SEE SP FOR EPOXY RESIN INJECTION, SE FOR FOAM JOINT SEALS FOR PR FOR REPAIRS TO PRESTRESSED FOR EPOXY COATING, SEE EPOXY FOR CONCRETE DECK REPAIR FOR SEE POLYMER CONCRETE BRIDGE EXISTING JOINTS AND DECK DRA BRIDGE DECK. FOR SCARIFYING BRIDGE DECK, OVERLAY SURFACE PREPARATION THE EXISTING BRIDGE DECK SHA ENGINEER AFTER SCARIFICATION OVERLAY, UNLESS OTHERWISE APP FOR CLEANING AND PAINTING EX PROVISIONS.

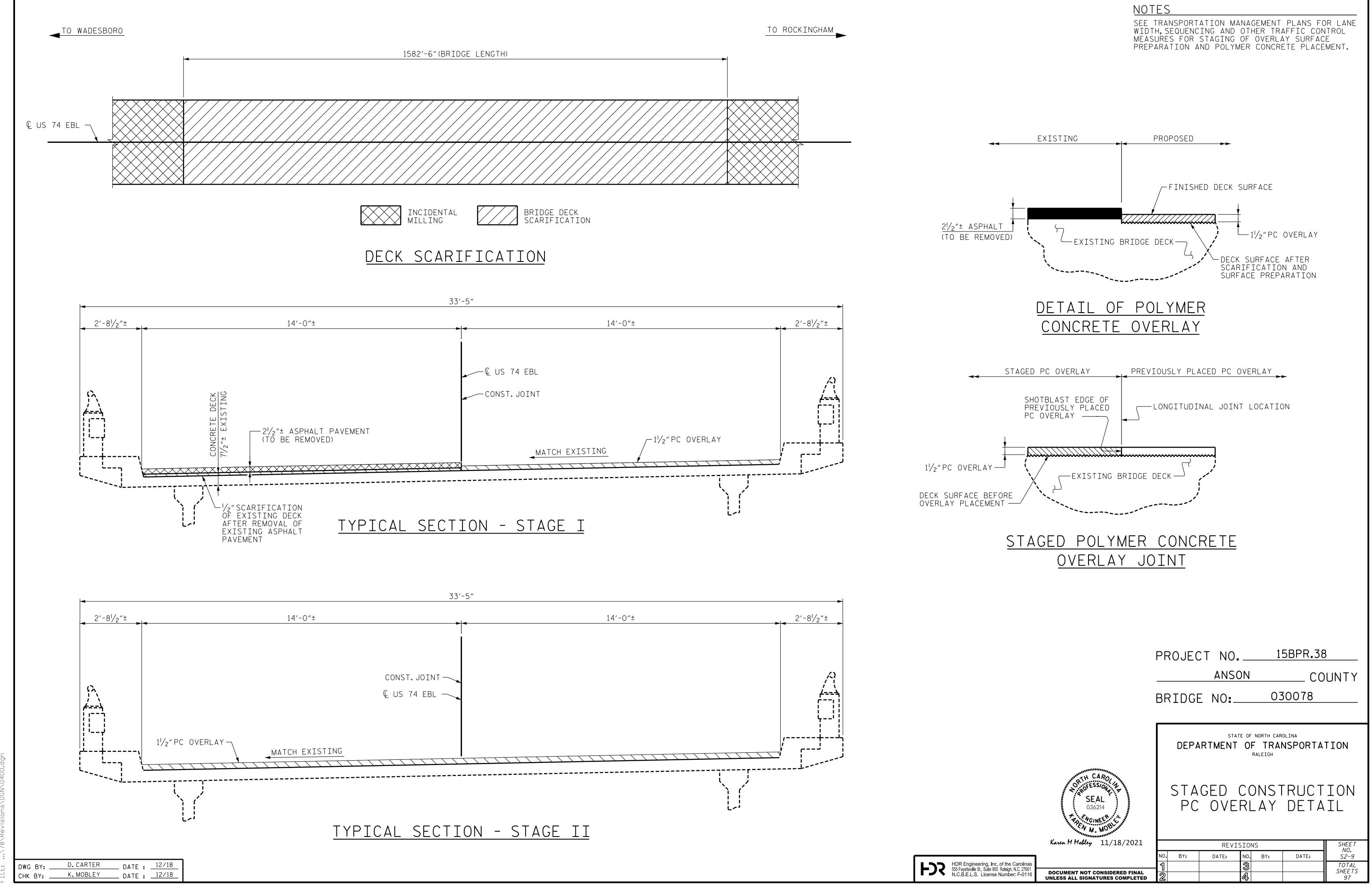
SEAL 036214

.VGINE

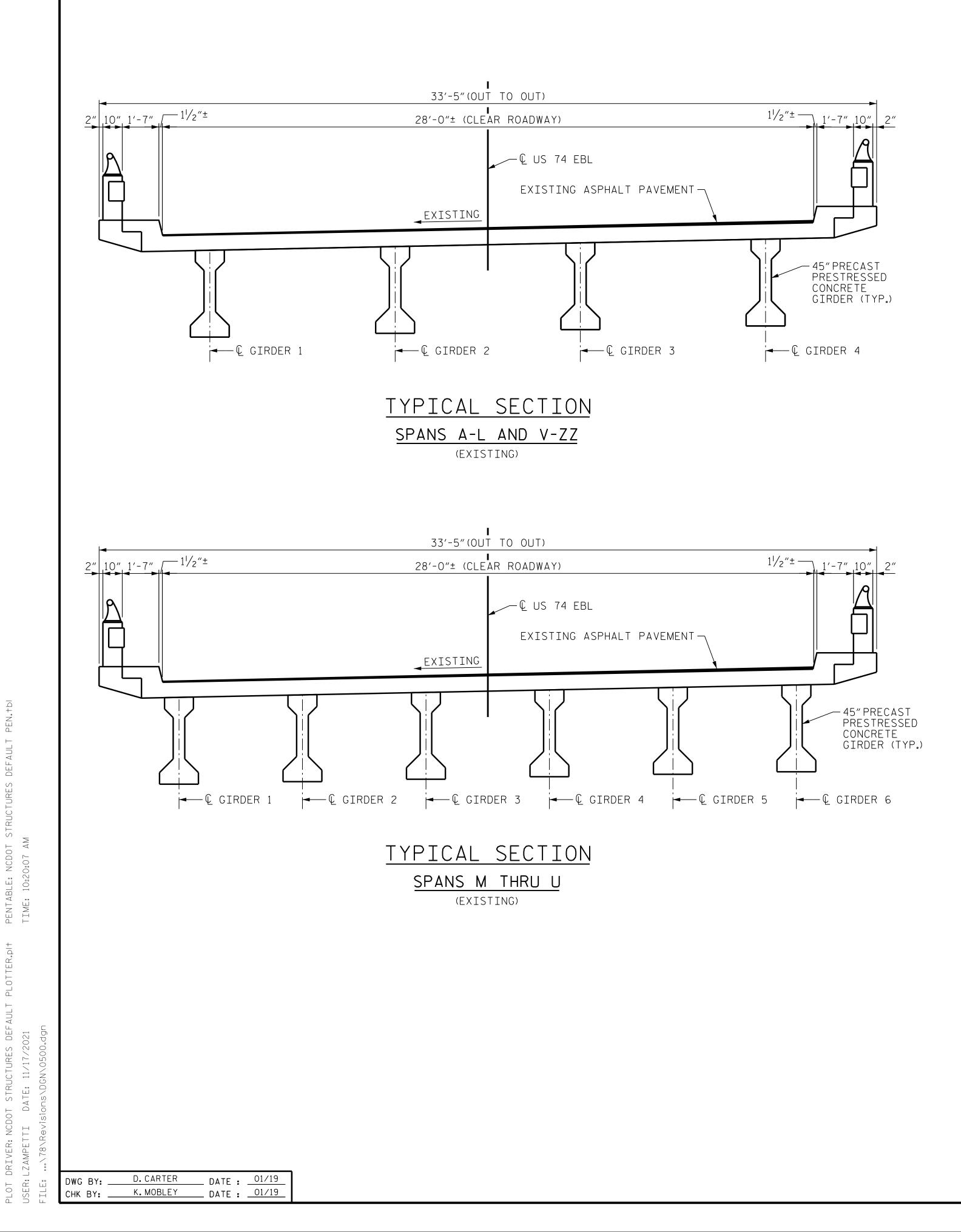
IDGE CONDITION ARE FROM THE BE	ST INFORMATION AVAILABLE.
VERIFY THE INFORMATION SHOWN (ONDITIONS DIFFER.	ON THE PLANS AND NOTIFY THE ENGINEER
	E DEPARTMENT OF TRANSPORTATION FOR CES BETWEEN THAT SHOWN ON THE PLANS
ONSIBILITY TO FOLLOW ALL STATE	E AND FEDERAL SAFETY REQUIREMENTS.
ITS OF PHASING OF CONSTRUCTIO	N, SEE TRANSPORTATION MANAGEMENT PLANS.
FORMED SO AS NOT TO ALLOW DEB STRUCTION IN ACCORDANCE WITH A JECT SPECIAL PROVISIONS.	RIS TO FALL BELOW. THE CONTRACTOR RTICLE 402-2 OF THE STANDARD
JOINT SHALL BE LOCATED ALONG TH	HE CENTERLINE OR EDGE OF TRAVEL LANES.
NFORCING STEEL DURING CONTRACT	OR'S OPERATIONS SHALL BE REPAIRED AS COST TO THE DEPARTMENT.
E CONTRACTOR SHALL SUBMIT FOR OPERATION AFFECTING THE BRIDGE	REVIEW AND APPROVAL A COMPLETE SURFACE AND/OR TRAFFIC.
RAWINGS, SEE SPECIAL PROVISIONS	•
SEE SPECIAL PROVISIONS.	
L PROVISIONS.	
E SPECIAL PROVISIONS.	
ECIAL PROVISIONS.	
PECIAL PROVISIONS. SEE SPECIAL PROVISIONS.	
RESERVATION. SEE SPECIAL PROVIS	TONS
CONCRETE GIRDERS, SEE SPECIAL F	
COATING AND DEBRIS REMOVAL S	
	PLACING AND FINISHING PC OVERLAY.
DECK OVERLAY SPECIAL PROVISION	
AINS SHALL BE SEALED PRIOR TO	BEGINNING SURFACE PREPARATION OF
SHOTBLASTING BRIDGE DECK, AND (N FOR POLYMER CONCRETE SPECIAL	CLASS II SURFACE PREPARATION, SEE PROVISIONS.
	HE PLANS OR AS DETERMINED BY THE OTBLAST AND APPLICATION OF THE PC E REPAIRED WITH PC.
EXISTING BEARINGS WITH HIGH RA	TIO CALCIUM SULFONATE, SEE SPECIAL
AND NG	
NG R E	PROJECT NO. 15BPR.38
•	ANSON COUNTY
	BRIDGE NO: 030078
	SHEET 8 OF 8
	STATE OF NORTH CAROLINA DEPARTMENT OF TRANSPORTATION RALEIGH
OFESSION T	GENERAL DRAWING

JENERAL DRAWIN	
FOR BRIDGE ON	
US 74 EBL OVER	
PEE DEE RIVER	

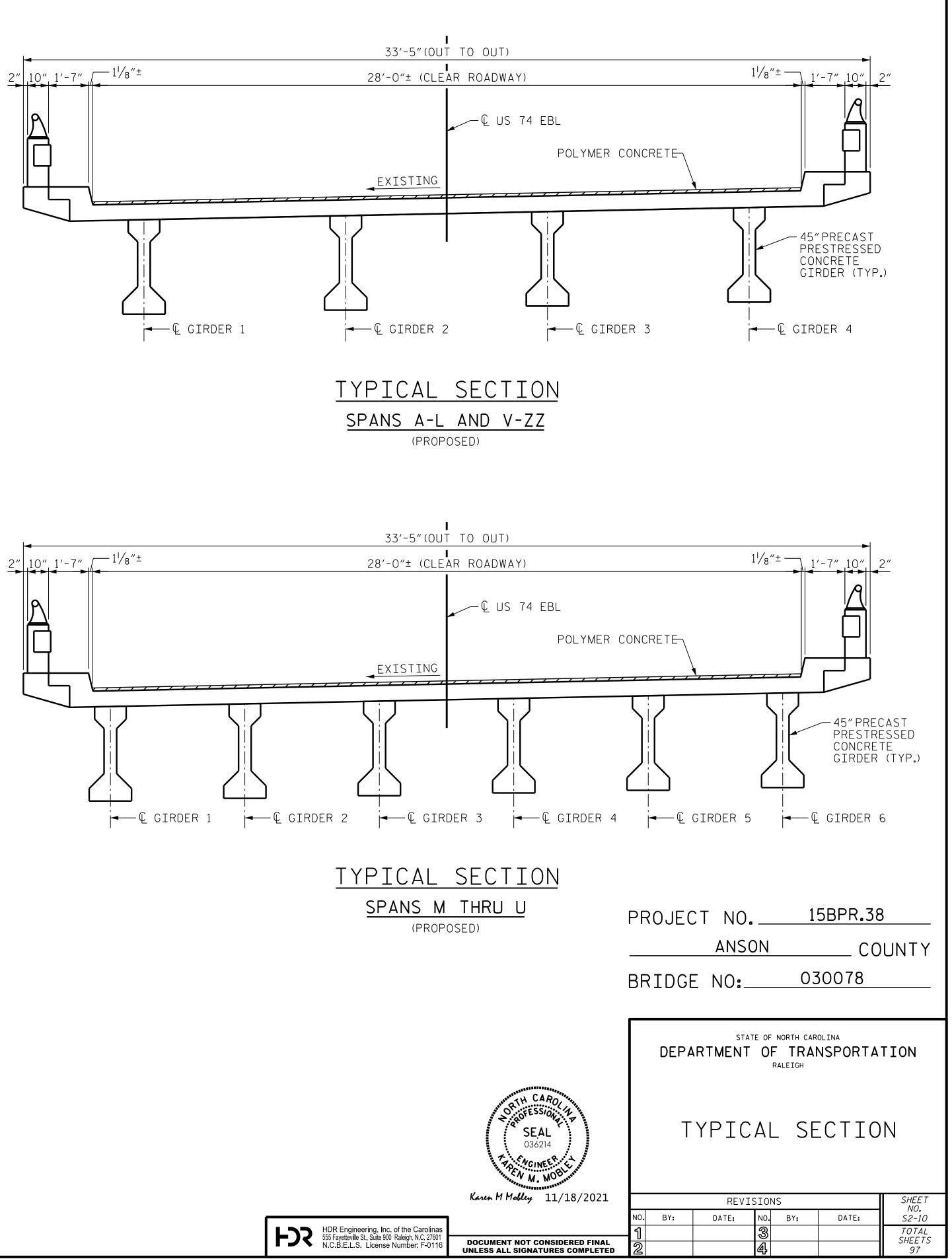
Karen M Mobley 11/18/2021			REVI	SION	15		SHEET NO.
	NO.	BY:	DATE:	NO.	BY:	DATE:	S2-8
	1			3			TOTAL
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	2			4			SHEETS 97

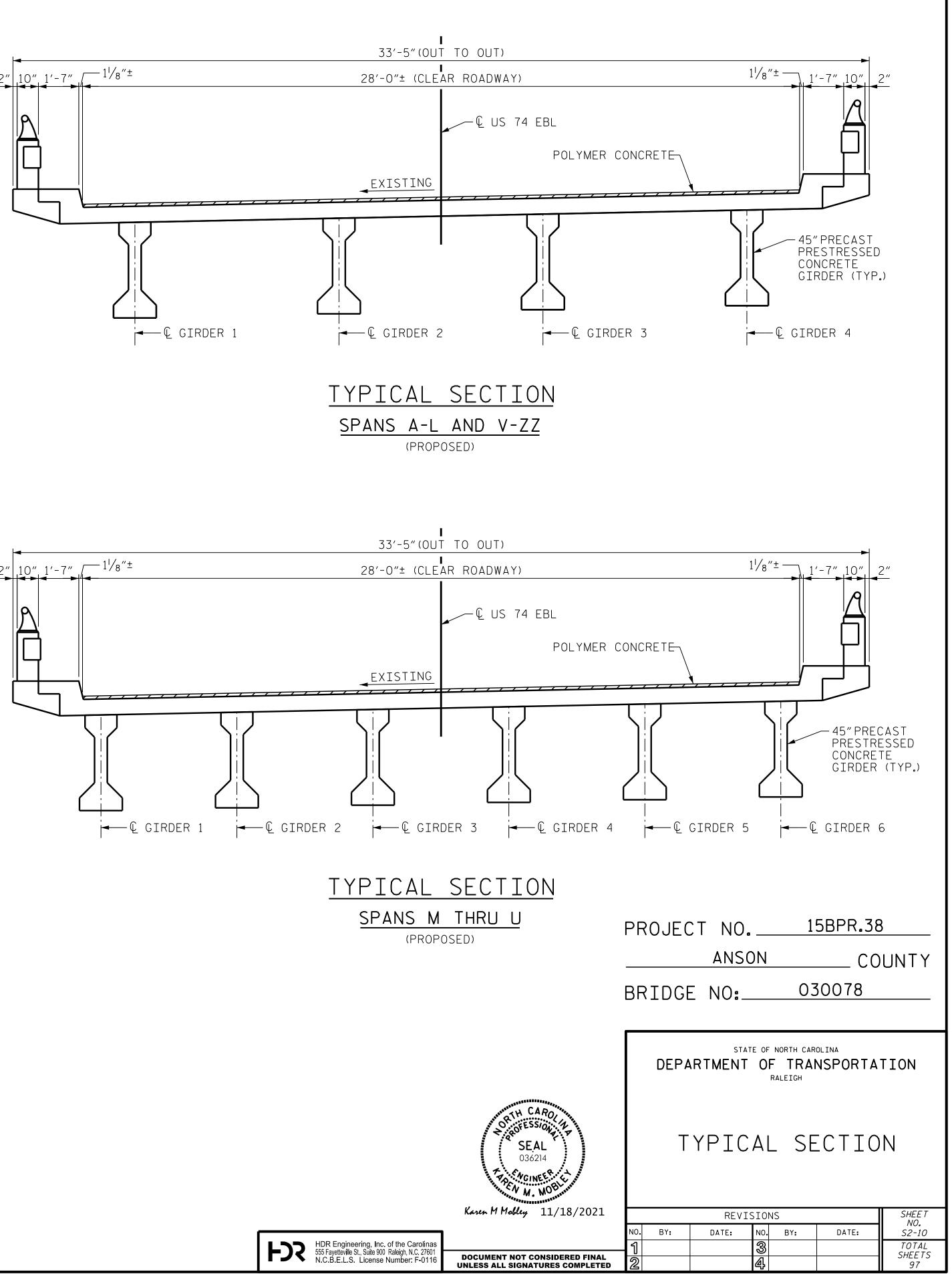


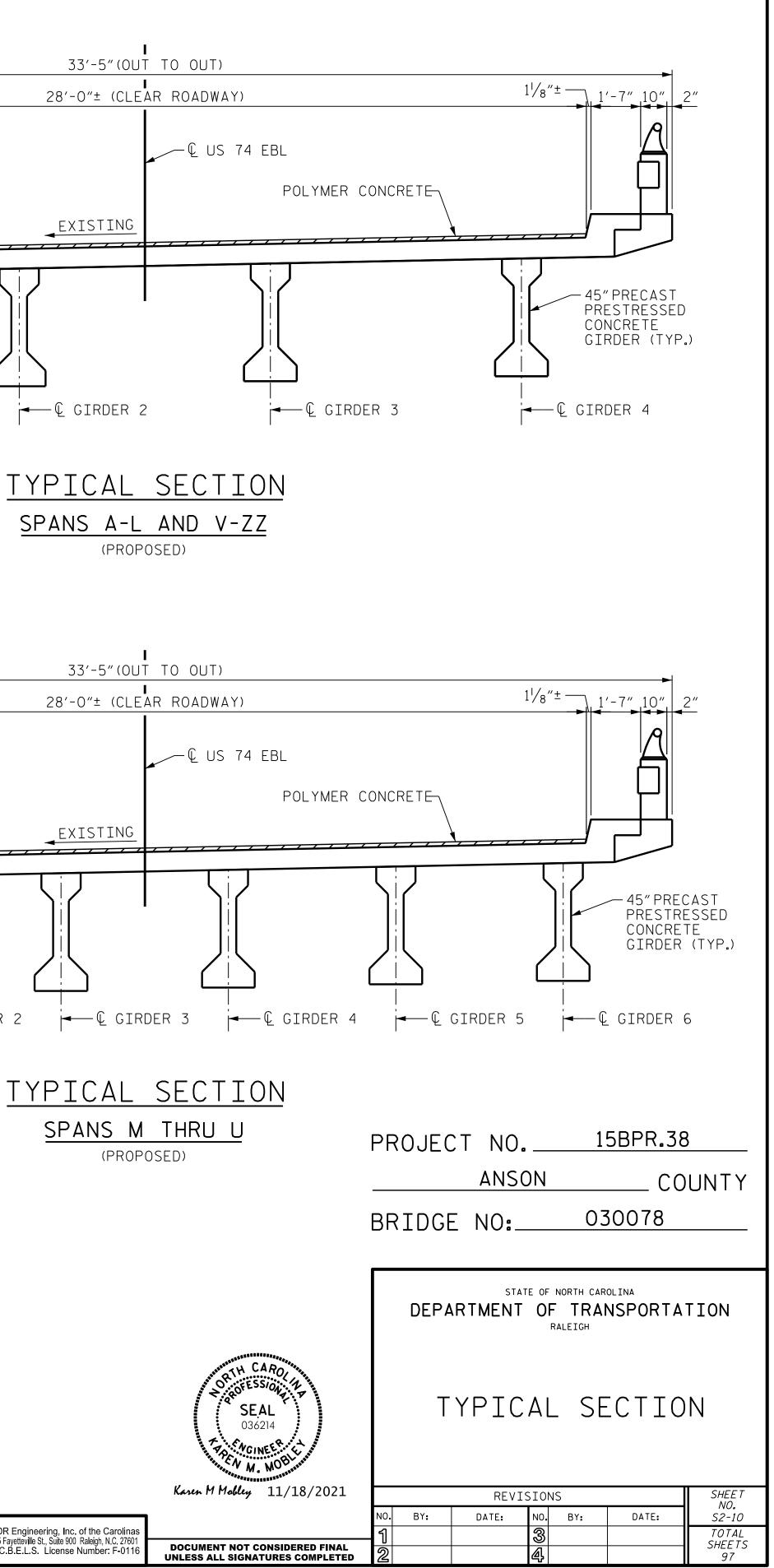
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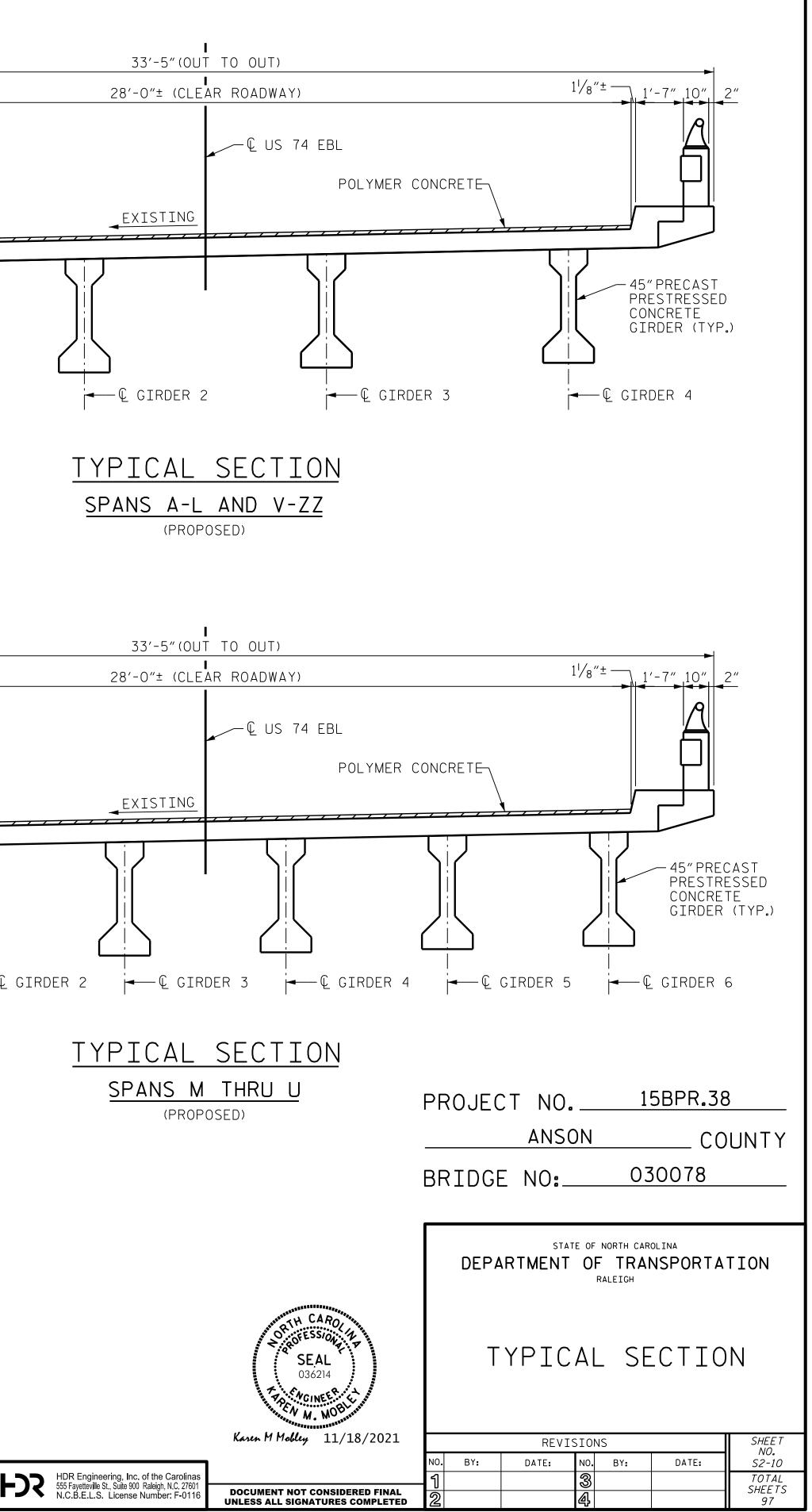


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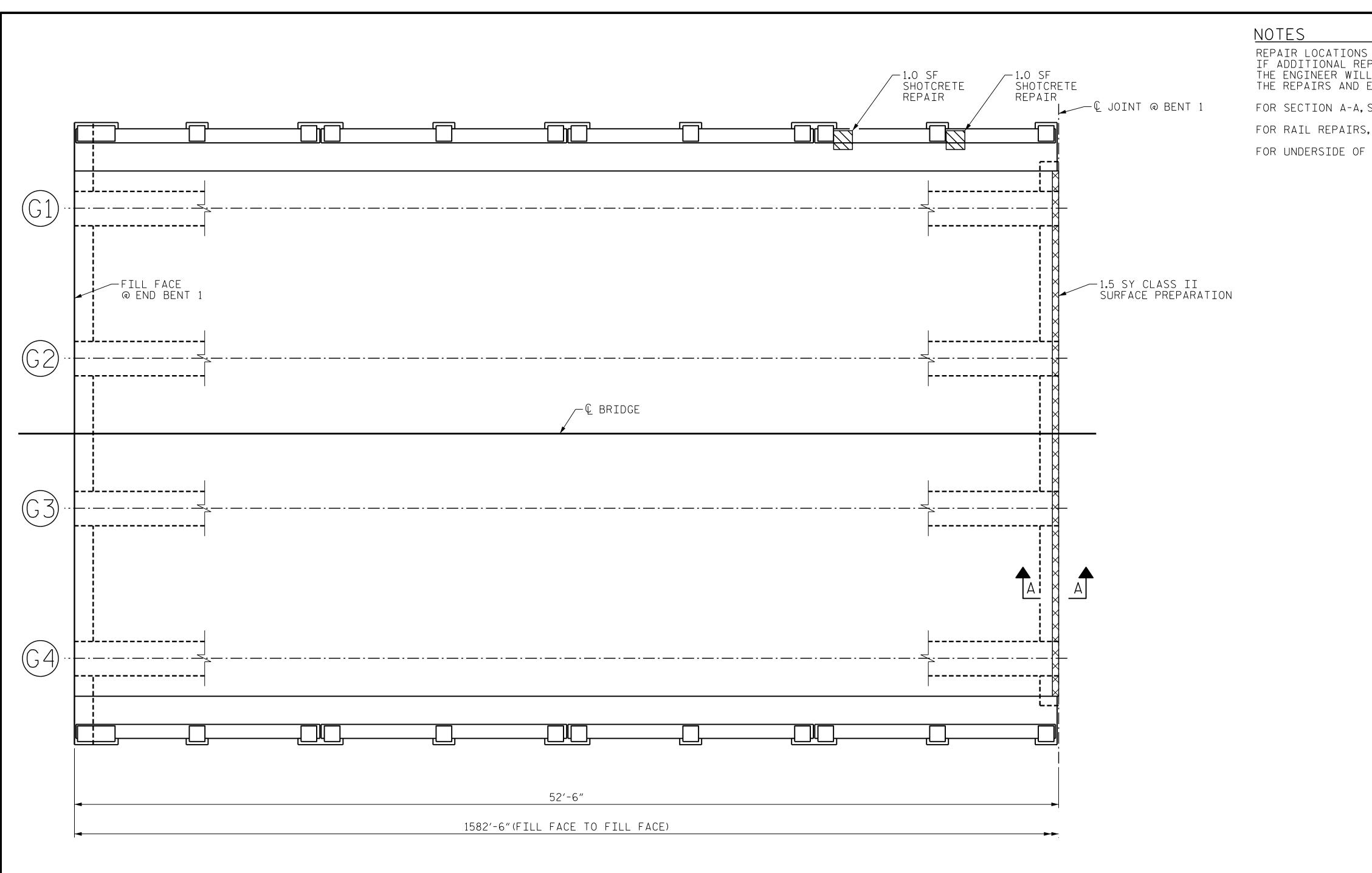
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SPAN A

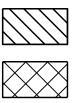
AREAVOLUMEAREAVOLUMESQ.FT.CU.FT.SQ.FT.CU.FT.JNDERSIDE OF DECKO.OO.OO.OOVERHANG2.0O.2Image: Compare the second s		ESTIN	MATE	ACTI	JAL
JNDERSIDE OF DECK 0.0 0.0		AREA	VOLUME	AREA	VOLUME
		SQ.FT.	CU.FT.	SQ.FT.	CU.FT.
OVERHANG 2.0 0.2	NDERSIDE OF DECK	0.0	0.0		
	VERHANG	2.0	0.2		

<u>Span A</u>								PROJECT NO	15BPR.38
			RA	IL REPA	TRS			ANSON	COUNTY
AS-BUILT REPAIR QU	JANILIIII	ADLE		ESTIN		٨٢	TUAL	BRIDGE NO:	030078
TOP OF DECK F	REPAIRS			AREA	VOLUME	AREA	VOLUME		
	ESTIMATE	ACTUAL	CONCRETE REPAIRS	SQ.FT.	CU.FT.	SQ.FT.	CU.FT.	SHEET 1 OF 27	
SCARIFYING BRIDGE DECK	163.3 SQ.YDS.		RAIL	0.0	0.0			STATE OF	NORTH CAROLINA
SHOTBLASTING BRIDGE DECK	163.3 SQ.YDS.							DEPARTMENT OF	TRANSPORTATION
CLASS II SURFACE PREPARATION	1.5 SQ. YDS.							R	ALEIGH
CONCRETE DECK REPAIR FOR PC OVERLAY	1.5 SQ. YDS.								
POLYMER CONCRETE MATERIALS	6.8 CU.YDS.						TH CARO		
PLACING AND FINISHING PC OVERLAY	163.3 SQ. YDS.						OFESSION T		F SPANS
GROOVING BRIDGE FLOOR	1312.5 SQ.FT.						SEAL		
FOAM JOINT SEAL	33.2 LIN.FT.						036214	SP,	AN A
							The ACNER MOBILING		
						Kası	en M Mobley 11/18/2021	REVISION	S SHEET NO.
								NO. BY: DATE: NO.	BY: DATE: <i>S2-11</i>
				HDR	Engineering, Inc. of the C etteville St., Suite 900 Raleigh, I .E.L.S. License Number	Larolinas N.C. 27601 r: F-0116 UNLES	UMENT NOT CONSIDERED FINAL SS ALL SIGNATURES COMPLETE	- 1 3 b 2 4	TOTAL SHEETS 97

DWG BY:	D.CURTIS	DATE :	01/19
CHK BY:	K.MOBLEY	DATE :	01/19



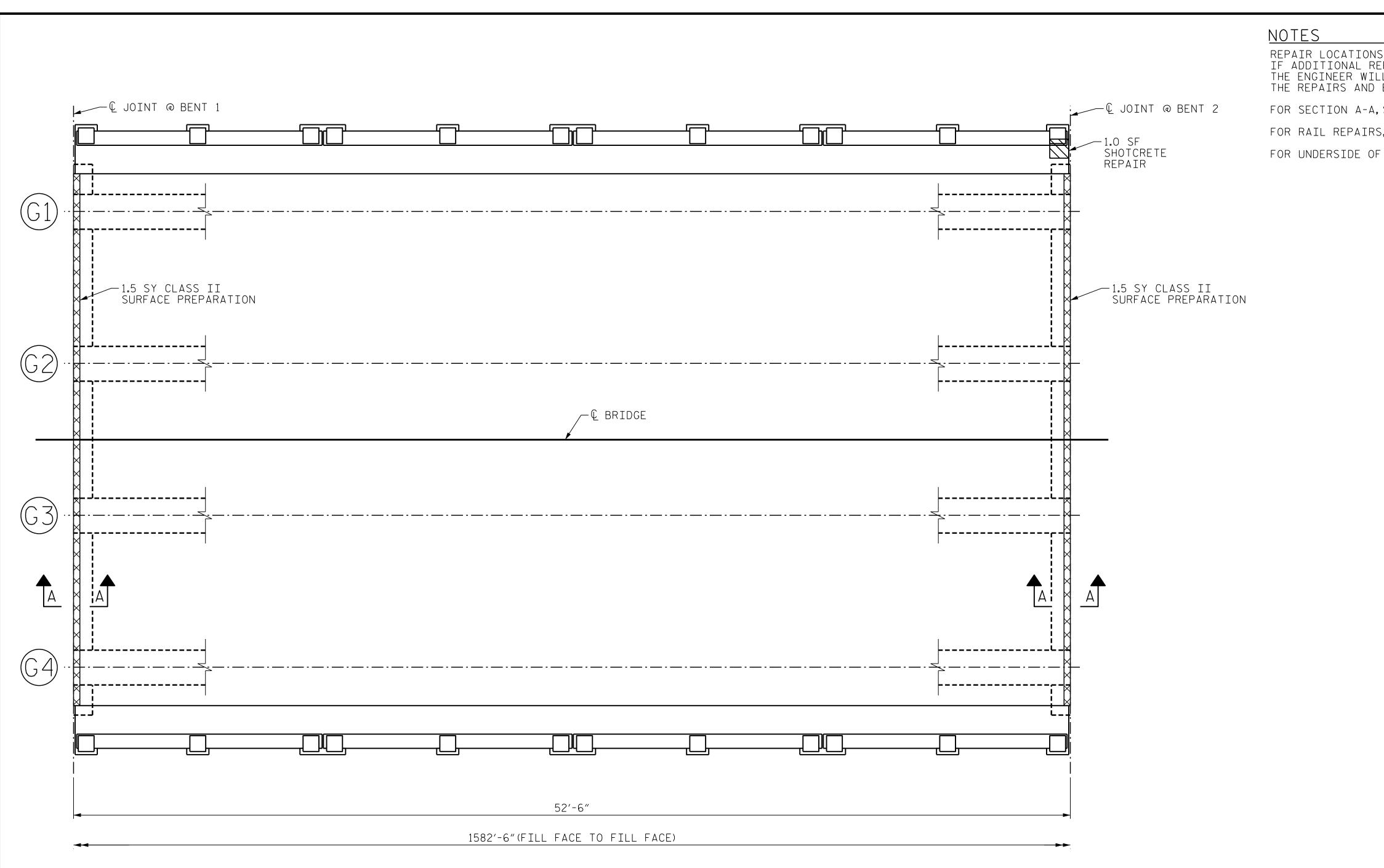
REPAIR LOCATIONS AND ESTIMATED QUANTITIES ARE BASED ON THE BEST INFORMATION AVAILABLE. IF ADDITIONAL REPAIRS NOT SHOWN ON THE DRAWINGS ARE DEEMED NECESSARY BY THE ENGINEER, THE ENGINEER WILL NOTE ON THE DRAWINGS THE APPROXIMATE LOCATIONS AND DESCRIPTION OF THE REPAIRS AND ENTER THE ACTUAL QUANTITIES INTO THE AS-BUILT REPAIR QUANTITY TABLE. FOR SECTION A-A, SEE ``FOAM JOINT DETAILS'' SHEET. FOR RAIL REPAIRS, SEE ``RAIL REPAIR DETAILS' SHEET. FOR UNDERSIDE OF DECK REPAIRS, SEE ``OVERHANG, GIRDER AND DIAPHRAGM REPAIR DETAILS' SHEET.



SHOTCRETE REPAIR AREA

CLASS II SURFACE PREPARATION

GIRDER NUMBER (1)



SPAN R

UNDERSIDE	ESTI		ACTI	JAL
	AREA	VOLUME	AREA	VOLUME
	SQ.FT.	CU.FT.	SQ.FT.	CU.FT.
INDERSIDE OF DECK	0.0	0.0		
DVERHANG	1.0	0.1		

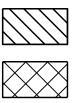
<u>Span B</u>								PROJECT NO	15BPR.38	3
			RA	IL REPA	TRS			ANSON	CO	UNTY
AS-BUILT REPAIR C	QANILIY I	ABLE		1				BRIDGE NO:	030078	
TOP OF DECK REPAIRS			ESTI AREA	VOLUME	ACT AREA	VOLUME				
	ESTIMATE	ACTUAL	CONCRETE REPAIRS	SQ.FT.	CU.FT.	SQ.FT.	CU.FT.	SHEET 2 OF 27		
SCARIFYING BRIDGE DECK	163.3 SQ. YDS.		RAIL	0.0	0.0			STATE OF	NORTH CAROLINA	
SHOTBLASTING BRIDGE DECK	163.3 SQ. YDS.							DEPARTMENT O	F TRANSPORTA	TION
CLASS II SURFACE PREPARATION	3.0 SQ. YDS.								RALEIGH	
CONCRETE DECK REPAIR FOR PC OVERLAY	3.0 SQ. YDS.									
POLYMER CONCRETE MATERIALS	6.8 CU.YDS.						TH CARO			
PLACING AND FINISHING PC OVERLAY	163.3 SQ. YDS.						NOT OFESSION T		OF SPANS	,
GROOVING BRIDGE FLOOR	1312.5 SQ.FT.						SEAL			,
FOAM JOINT SEAL	33.2 LIN.FT.						036214	SP	AN B	
							TATION MOBILING			
						Kares	M Mobley 11/18/2021	REVISIO	NS	SHEET NO.
					Engineering Inc. of the C	arolinas		NO. BY: DATE: NO.	BY: DATE:	52-12 TOTAL
					Engineering, Inc. of the C yetteville St., Suite 900 Raleigh, N 3.E.L.S. License Number	I.C. 27601 F-0116 DOCU UNLES	MENT NOT CONSIDERED FINAL S ALL SIGNATURES COMPLETED			SHEETS 97

S PENTABLE: TIME: 10:23

DWG BY:	D.CURTIS	DATE :	01/19
CHK BY:	K.MOBLEY	DATE :	01/19



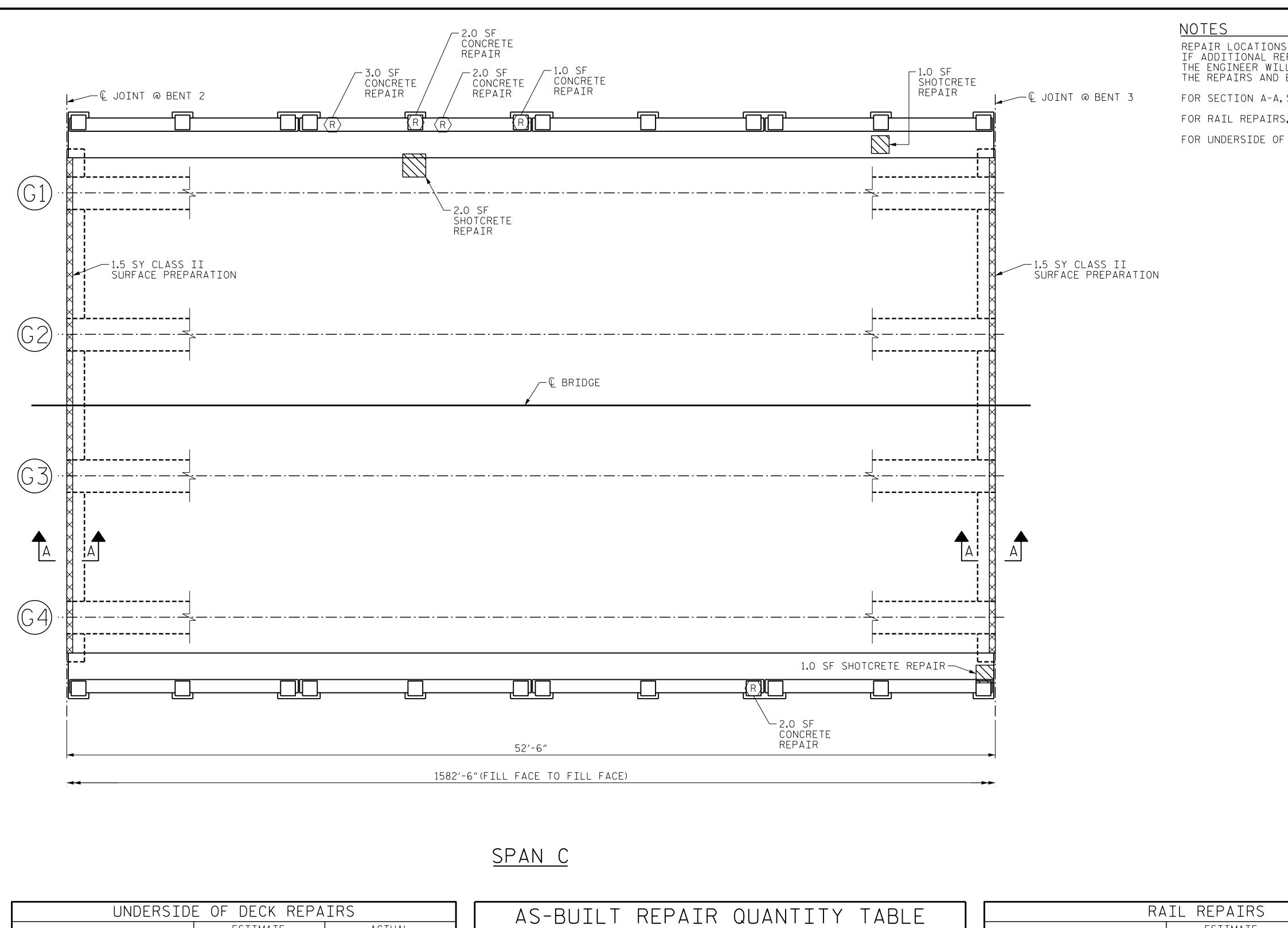
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SHOTCRETE REPAIR AREA

CLASS II SURFACE PREPARATION

GIRDER NUMBER (1)



	ESTI	MATE	ACT	UAL
	AREA	VOLUME	AREA	VOLUME
	SQ.FT.	CU.FT.	SQ.FT.	CU.FT.
UNDERSIDE OF DECK	0.0	0.0		
OVERHANG	4.0	0.7		

___ DATE : ____01/19 ___ DATE : ____01/19

D.CURTIS

K.MOBLEY

DWG BY:

CHK BY:

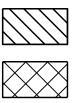
<u>Span L</u>								PROJECT NO	15BPR.38	3
								ANSON	CO	UNTY
AS-BUILT REPAIR Q	UANTITY TAE	3le I	RA	AIL REPA	AIRS				030078	
TOP OF DECK				ESTI			UAL	BRIDGE NO:	030010	
	ESTIMATE	ACTUAL	CONCRETE REPAIRS	AREA SQ.FT.	VOLUME CU.FT.	AREA SQ.FT.	VOLUME CU.FT.	SHEET 3 OF 27		
SCARIFYING BRIDGE DECK	163.3 SQ. YDS.	ACTUAL	RAIL	10.0	3.4			STATE OF	NORTH CAROLINA	
SHOTBLASTING BRIDGE DECK	163.3 SQ. YDS.							DEPARTMENT O		TION
CLASS II SURFACE PREPARATION	3.0 SQ. YDS.								RALEIGH	
CONCRETE DECK REPAIR FOR PC OVERLAY	3.0 SQ.YDS.									
POLYMER CONCRETE MATERIALS	6.8 CU.YDS.						TH CARO			
PLACING AND FINISHING PC OVERLAY	163.3 SQ. YDS.						NOT OFESSION T		OF SPANS	
GROOVING BRIDGE FLOOR	1312.5 SQ.FT.						SEAL			
FOAM JOINT SEAL	33.2 LIN.FT.						036214	SP SP	AN C	
							TO CINEF. C			
						Kare	n M Mobley 11/18/2021	REVISIO	NS	SHEET NO.
								NO. BY: DATE: NO.	BY: DATE:	S2-13
					Engineering, Inc. of the Carc yetteville St., Suite 900 Raleigh, N.C. 3 3.E.L.S. License Number: F-	27601 0116 DOCU	IMENT NOT CONSIDERED FINAL			TOTAL SHEETS
				_ → ₹ N.O.L		UNLES	S ALL SIGNATURES COMPLETED			97

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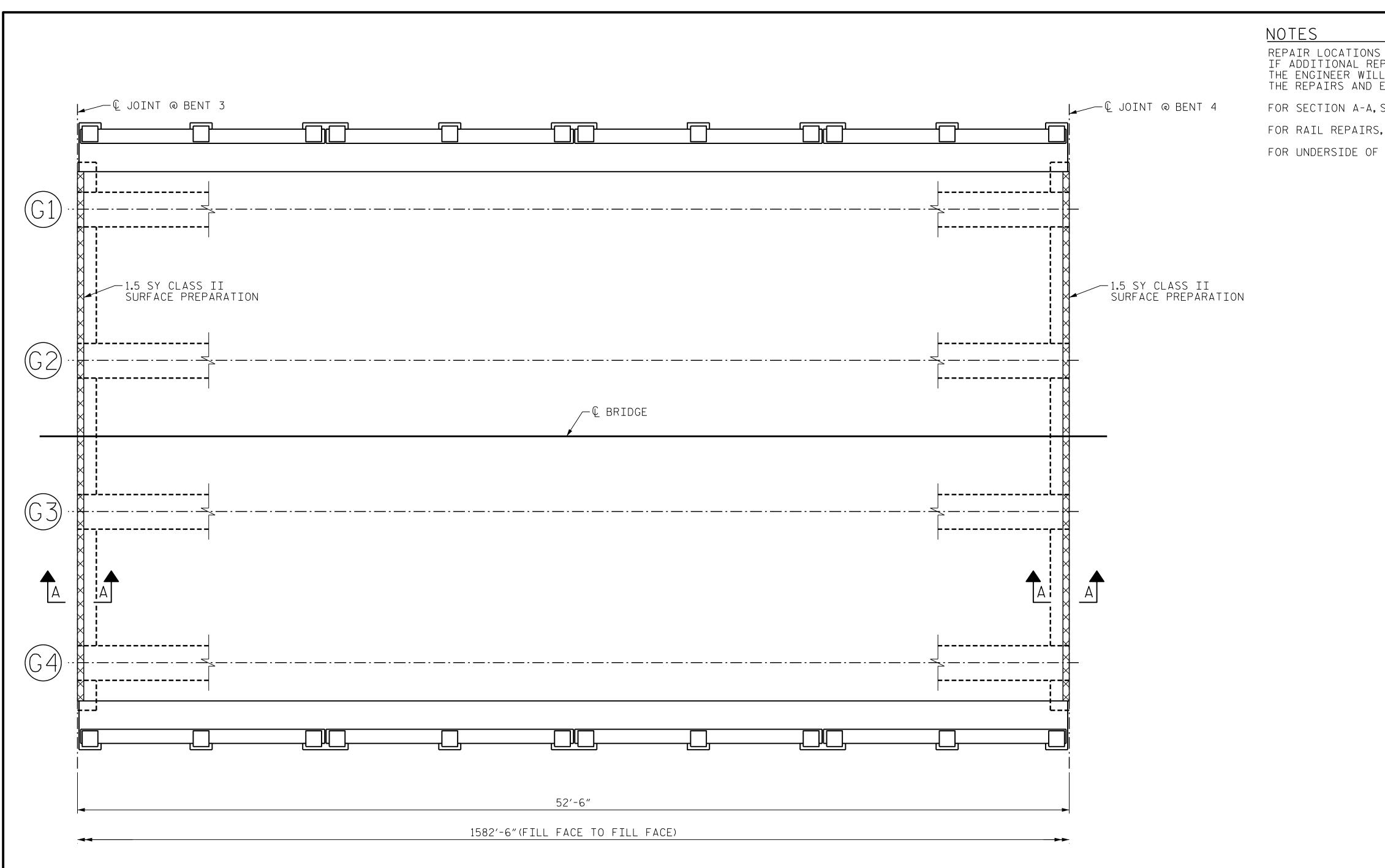
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SHOTCRETE REPAIR AREA

CLASS II SURFACE PREPARATION

GIRDER NUMBER (1)



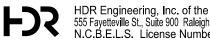
SPAN D

	UNDERSID	ESTI		ACT	JAL
UNDERSIDE OF DECK 0.0 0.0		AREA	VOLUME	AREA	VOLUME
		SQ.FT.	CU.FT.	SQ.FT.	CU.FT.
OVERHANG 0.0 0.0	INDERSIDE OF DECK	0.0	0.0		
	VERHANG	0.0	0.0		

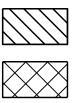
<u>Span D</u>								PROJECT NO	15BPR.38	3
			RA	IL REPA	TRS			ANSON	CO	DUNTY
AS-BUILT REPAIR C	UANILIY I	ABLE		I				BRIDGE NO:	030078	
TOP OF DECK	REPAIRS			AREA	MATE VOLUME	AREA	UAL VOLUME			
	ESTIMATE	ACTUAL	CONCRETE REPAIRS	SQ.FT.	CU.FT.	SQ.FT.	CU.FT.	SHEET 4 OF 27		
SCARIFYING BRIDGE DECK	163.3 SQ.YDS.		RAIL	0.0	0.0			STATE OF	NORTH CAROLINA	
SHOTBLASTING BRIDGE DECK	163.3 SQ. YDS.							DEPARTMENT O	F TRANSPORTA	TION
CLASS II SURFACE PREPARATION	3.0 SQ. YDS.								RALEIGH	
CONCRETE DECK REPAIR FOR PC OVERLAY	3.0 SQ. YDS.									
POLYMER CONCRETE MATERIALS	6.8 CU. YDS.						TH CARO			
PLACING AND FINISHING PC OVERLAY	163.3 SQ. YDS.						NOT OFESSION T		OF SPANS	,
GROOVING BRIDGE FLOOR	1312.5 SQ.FT.						SEAL			,
FOAM JOINT SEAL	33.2 LIN.FT.						036214	SF	AN D	
							TO CINEF. C. C.			
						Kases	n M Mobley 11/18/2021	REVISIO	NS	SHEET NO.
					Engineering Inc. of the C	Carolinas		NO. BY: DATE: NO.	BY: DATE:	S2-14 TOTAL
					Engineering, Inc. of the C yetteville St., Suite 900 Raleigh, N 3.E.L.S. License Number	N.C. 27601 TF-0116 DOCU UNLES	MENT NOT CONSIDERED FINAL S ALL SIGNATURES COMPLETED	 24		- SHEETS 97

S PENTABLE: TIME: 10:2

DWG BY:	D.CURTIS	DATE :	01/19
CHK BY:	K.MOBLEY	DATE :	01/19



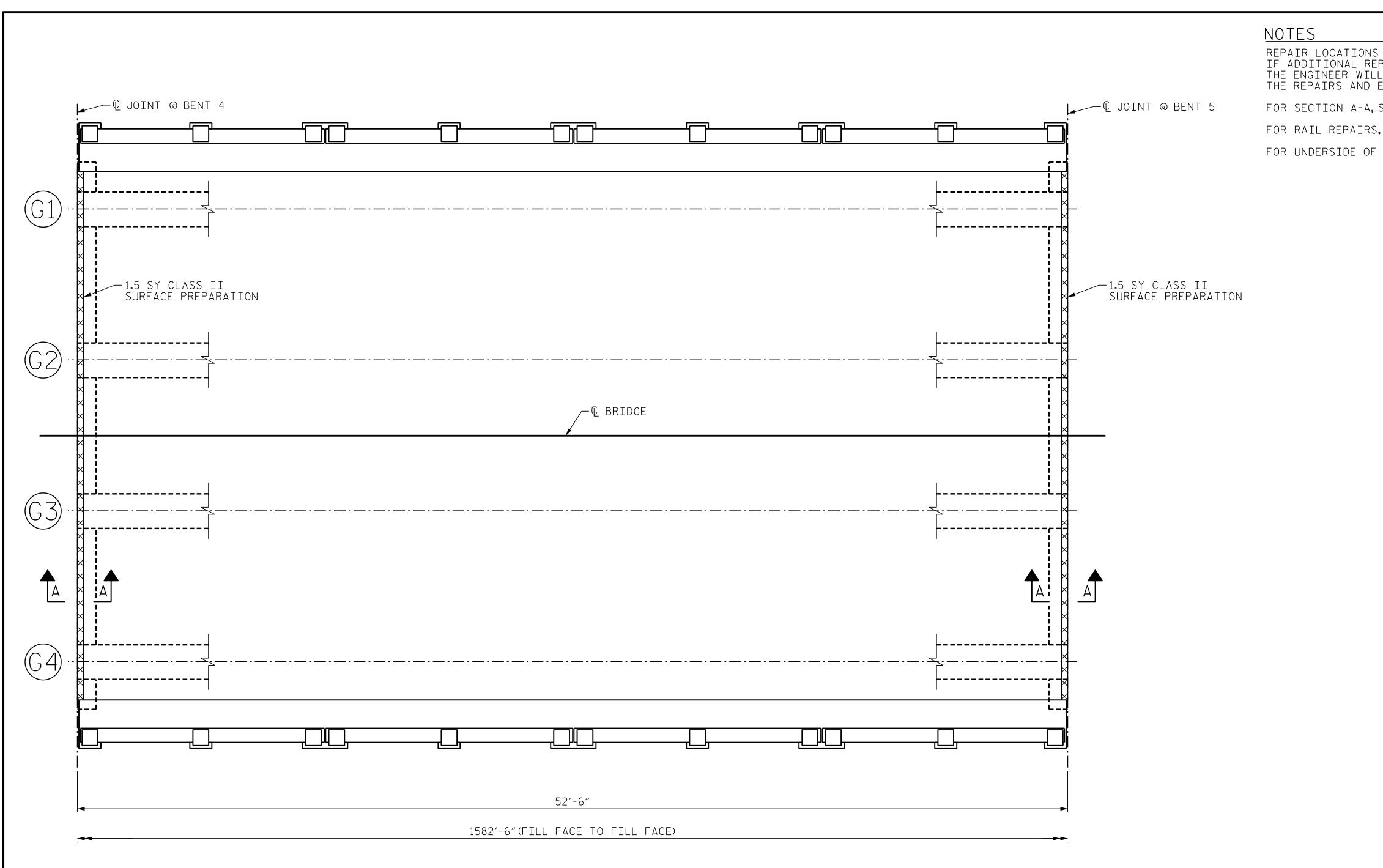
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SHOTCRETE REPAIR AREA

CLASS II SURFACE PREPARATION

GIRDER NUMBER (1)



SPAN F

		ESTI	MATE	ACT	UAL
JNDERSIDE OF DECK 0.0 0.0		AREA	VOLUME	AREA	VOLUME
		SQ.FT.	CU.FT.	SQ.FT.	CU.FT.
OVERHANG 0.0 0.0	UNDERSIDE OF DECK	0.0	0.0		
	OVERHANG	0.0	0.0		

<u>Sfan e</u>					PROJECT NO. 15BPR.38
			AIL REPAIRS		ANSON COUNTY
AS-BUILT REPAIR Q	UANILIY IABLE				BRIDGE NO: 030078
TOP OF DECK		CONCRETE REPAIRS	ESTIMATE AREA VOLUME	ACTUAL AREA VOLUME	SHEET 5 OF 27
	ESTIMATE ACTUAL	_	SQ.FT. CU.FT.	SQ.FT. CU.FT.	
SCARIFYING BRIDGE DECK	163.3 SQ. YDS.	RAIL	0.0 0.0		STATE OF NORTH CAROLINA
SHOTBLASTING BRIDGE DECK	163.3 SQ. YDS.				DEPARTMENT OF TRANSPORTATION
CLASS II SURFACE PREPARATION	3.0 SQ. YDS.				RALEIGH
CONCRETE DECK REPAIR FOR PC OVERLAY	3.0 SQ. YDS.				
POLYMER CONCRETE MATERIALS	6.8 CU. YDS.			JULIUS TH CARO	
PLACING AND FINISHING PC OVERLAY	163.3 SQ. YDS.			OT OFESSION A	PLAN OF SPANS
GROOVING BRIDGE FLOOR	1312.5 SQ.FT.			SEAL SEAL	
FOAM JOINT SEAL	33.2 LIN.FT.			036214	SPAN E
				TTO A MOBILITY	
				Kasen M Mobley 11/18/2021	REVISIONS SHEET NO.
			HDR Engineering, Inc. of the	Carolinas	NO. BY: DATE: NO. BY: DATE: S2-15 1 3 TOTAL
			HDR Engineering, Inc. of the 555 Fayetteville St., Suite 900 Raleigh, N.C.B.E.L.S. License Number	n, N.C. 27601 er: F-0116 UNLESS ALL SIGNATURES COMPLETE	SHEETS

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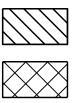
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DWG BY:	D.CURTIS	DATE :	01/19
CHK BY:	K.MOBLEY	DATE :	01/19



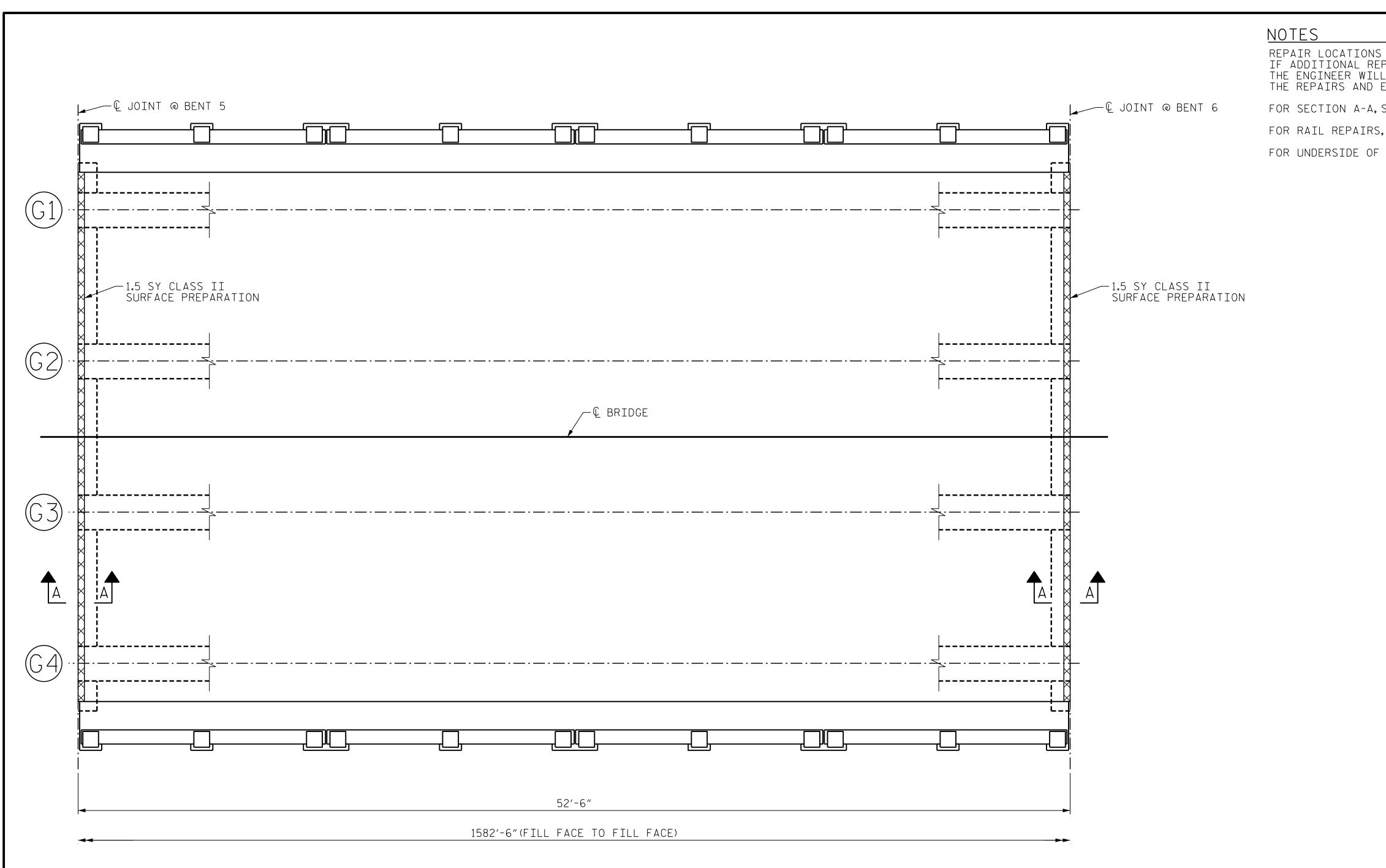
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SHOTCRETE REPAIR AREA

CLASS II SURFACE PREPARATION

GIRDER NUMBER (1)



SPAN F

		ESTI	MATE	ACTI	JAL
JNDERSIDE OF DECK 0.0 0.0		AREA	VOLUME	AREA	VOLUME
		SQ.FT.	CU.FT.	SQ.FT.	CU.FT.
OVERHANG 0.0 0.0	UNDERSIDE OF DECK	0.0	0.0		
	OVERHANG	0.0	0.0		

<u>Span f</u>								PROJECT NO	15BPR.38
			RA	IL REPA	TRS			ANSON	COUNTY
AS-BUILT REPAIR Q	UANILIY IABLE			ESTI			UAL	BRIDGE NO:	030078
TOP OF DECK F	REPAIRS		CRETE REPAIRS	AREA	VOLUME	AREA	VOLUME		
	ESTIMATE ACTUAL		CREIE REFAIRS	SQ.FT.	CU.FT.	SQ.FT.	CU.FT.	SHEET 6 OF 27	
SCARIFYING BRIDGE DECK	163.3 SQ. YDS.	RAIL		0.0	0.0			STATE OF	NORTH CAROLINA
SHOTBLASTING BRIDGE DECK	163.3 SQ. YDS.							DEPARTMENT OF	TRANSPORTATION
CLASS II SURFACE PREPARATION	3.0 SQ. YDS.							F	ALEIGH
CONCRETE DECK REPAIR FOR PC OVERLAY	3.0 SQ. YDS.								
POLYMER CONCRETE MATERIALS	6.8 CU.YDS.						TH CARO		
PLACING AND FINISHING PC OVERLAY	163.3 SQ. YDS.						OFESSION T)F SPANS
GROOVING BRIDGE FLOOR	1312.5 SQ.FT.						SEAL		
FOAM JOINT SEAL	33.2 LIN.FT.						036214	SP SP	AN F
							TO CONEFE		
						Kase	n M Mobley 11/18/2021	REVISION	S SHEET NO.
					Engineering Inc. of the (Carolinas		NO. BY: DATE: NO.	BY: DATE: 52-16 TOTAL
					Engineering, Inc. of the C /etteville St., Suite 900 Raleigh, I S.E.L.S. License Number	N.C. 27601 TF-0116 UNLES	IMENT NOT CONSIDERED FINAL S ALL SIGNATURES COMPLETEI		SHEETS 97

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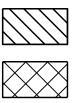
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DATE : 01/19 DATE : 01/19 D.CURTIS DWG BY: K.MOBLEY CHK BY:



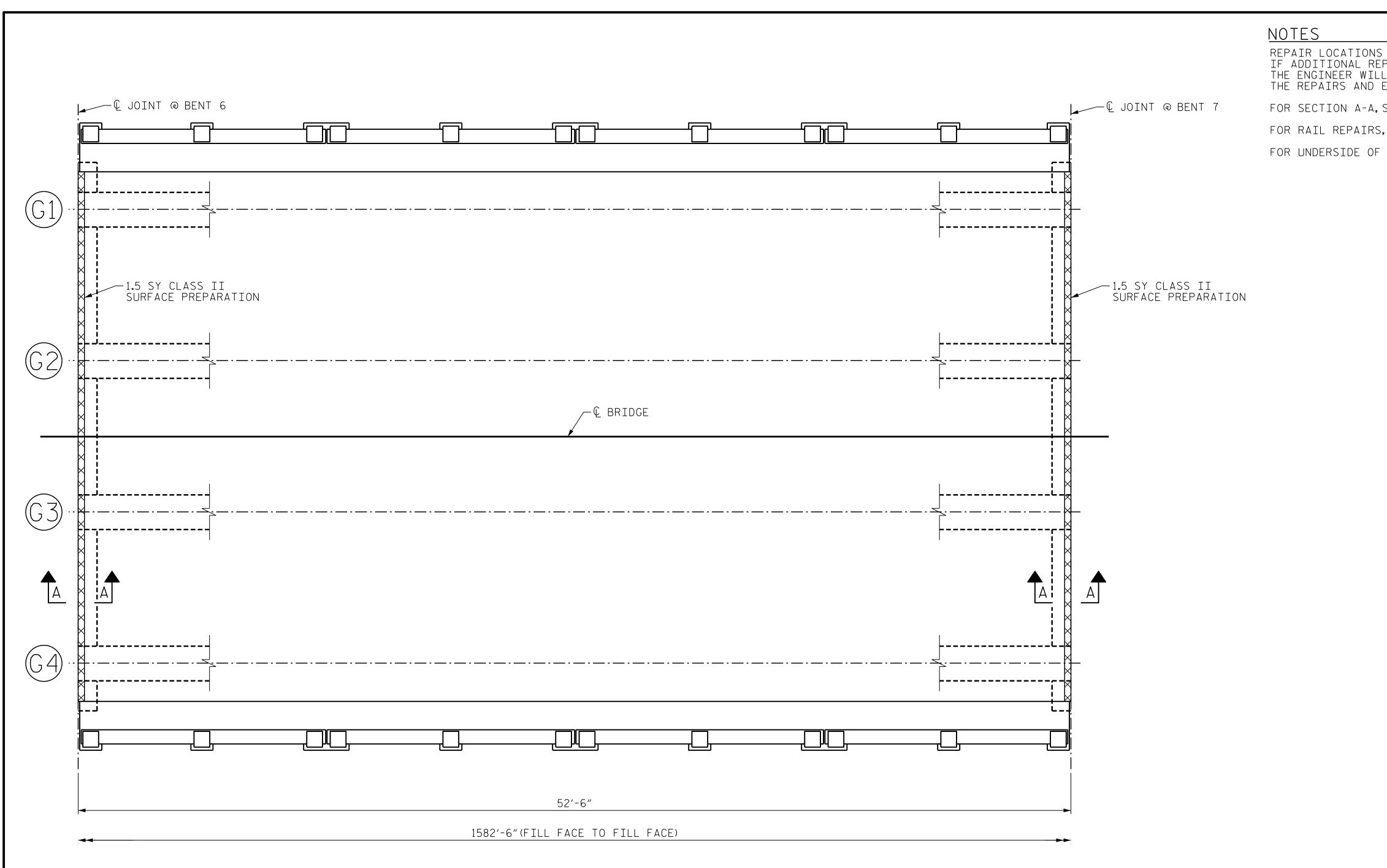
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SHOTCRETE REPAIR AREA

CLASS II SURFACE PREPARATION

GIRDER NUMBER (1)



<u>SPAN G</u>

UNDERSI	1	MATE	ACT		AS-BUIL
	AREA	VOLUME	AREA	VOLUME	
	SQ.FT.	CU.FT.	SQ.FT.	CU.FT.	
UNDERSIDE OF DECK	0.0	0.0			SCARIFYING BRIDGE DE
OVERHANG	0.0	0.0			SHOTBLASTING BRIDGE
					CLASS II SURFACE PRE
					CONCRETE DECK REPAIR
					POLYMER CONCRETE MAT
					PLACING AND FINISHIN
					GROOVING BRIDGE FLOC
					FOAM JOINT SEAL

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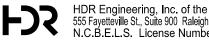
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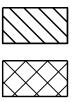
			01/10
DWG BY:	D.CURTIS	DATE :	01/19
СНК ВҮ:	K.MOBLEY	DATE :	01/19
		DAIL .	

AS-BUILT REPAIR QUANTITY TABLE						
TOP OF DECK REPAIRS						
	ESTIMATE	ACTUAL				
RIFYING BRIDGE DECK	163.3 SQ.YDS.					
TBLASTING BRIDGE DECK	163.3 SQ.YDS.					
SS II SURFACE PREPARATION	3.0 SQ.YDS.					
CRETE DECK REPAIR FOR PC OVERLAY	3.0 SQ.YDS.					
YMER CONCRETE MATERIALS	6.8 CU.YDS.					
CING AND FINISHING PC OVERLAY	163.3 SQ.YDS.					
OVING BRIDGE FLOOR	1312.5 SQ.FT.					
M JOINT SEAL	33.2 LIN.FT.					

			PROJECT NO. 15BPR.38
			ANSON COUNTY
RA	IL REPAIRS		
	ESTIMATE	ACTUAL	BRIDGE NO: 030078
CONCRETE REPAIRS	AREA VOLU SQ.FT. CU.F		SHEET 7 OF 27
RAIL	0.0 0.0		STATE OF NORTH CAROLINA
			DEPARTMENT OF TRANSPORTATION RALEIGH
		CAROL ESSION IN BEAL 36214 GINEER HT M. MOBILITY	
		Karen M Mobley	y 11/18/2021 REVISIONS SHEET NO.
	HDR Engineering, In 555 Fayetteville St., Suite 90 N.C.B.E.L.S. License	c. of the Carolinas	NO. BY: DATE: NO. BY: DATE: S2-17 1 3 707AL
	N.C.B.E.L.S. License	Number: F-0116 DOCUMENT NOT C UNLESS ALL SIGNA	CONSIDERED FINAL D O SHEETS NATURES COMPLETED 2 4 97



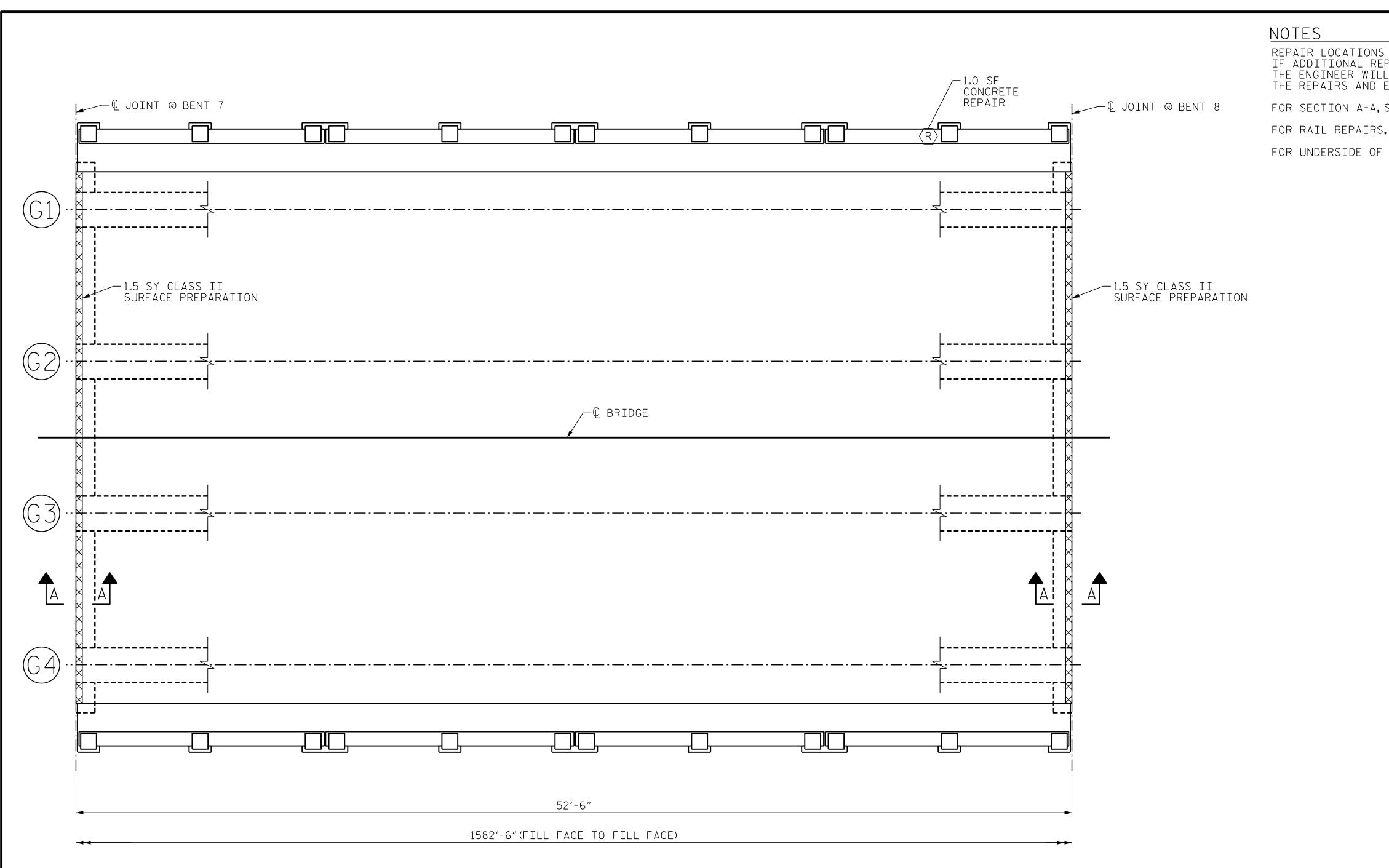
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SHOTCRETE REPAIR AREA

CLASS II SURFACE PREPARATION

GIRDER NUMBER (1)



<u>SPAN H</u>

	ESTI	ESTIMATE		UAL	AS-BUIL
	AREA	VOLUME	AREA	VOLUME	
	SQ.FT.	CU.FT.	SQ.FT.	CU.FT.	
UNDERSIDE OF DECK	0.0	0.0			SCARIFYING BRIDGE DE
OVERHANG	0.0	0.0			SHOTBLASTING BRIDGE
					CLASS II SURFACE PRE
					CONCRETE DECK REPAIR
					POLYMER CONCRETE MA
					PLACING AND FINISHI
					GROOVING BRIDGE FLOO
					FOAM JOINT SEAL

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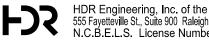
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DWG BY:	D.CURTIS	DATE :	01/19
CHK BY:	K.MOBLEY	DATE :	01/19

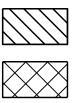
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AS-BUILT REPAIR QUA	ANTITY 1	FABLE				
TOP OF DECK REPAIRS						
	ESTIMATE	ACTUAL				
RIFYING BRIDGE DECK	163.3 SQ.YDS.					
TBLASTING BRIDGE DECK	163.3 SQ.YDS.					
SS II SURFACE PREPARATION	3.0 SQ.YDS.					
CRETE DECK REPAIR FOR PC OVERLAY	3.0 SQ.YDS.					
YMER CONCRETE MATERIALS	6.8 CU.YDS.					
CING AND FINISHING PC OVERLAY	163.3 SQ.YDS.					
OVING BRIDGE FLOOR	1312.5 SQ.FT.					
M JOINT SEAL	33.2 LIN.FT.					

						PROJECT NO	15BPR.38	3
						ANSON		
RA	IL REPA	IRS						
	ESTIN	IATE	ACTL	JAL		BRIDGE NO:	030078	
CONCRETE REPAIRS	AREA SQ.FT.		AREA Q.FT.	VOLUME CU.FT.		SHEET 8 OF 27		
RAIL	1.0	0.3				STATE OF NO	ORTH CAROLINA	
						DEPARTMENT OF	TRANSPORTA	TION
OPTOFESSION IN SEAL 036214							F SPANS An h	
			Karen	M Mobley 11/18	8/2021	REVISIONS		SHEET NO.
		ngineering. Inc. of the Carolinas	ו			NO. BY: DATE: NO.	BY: DATE:	S2-18 TOTAL
	トノく 555 Faye N.C.B.	ingineering, Inc. of the Carolinas steville St., Suite 900 Raleigh, N.C. 27601 E.L.S. License Number: F-0116	DOCUN UNLESS	NENT NOT CONSIDER		· 1		SHEETS 97



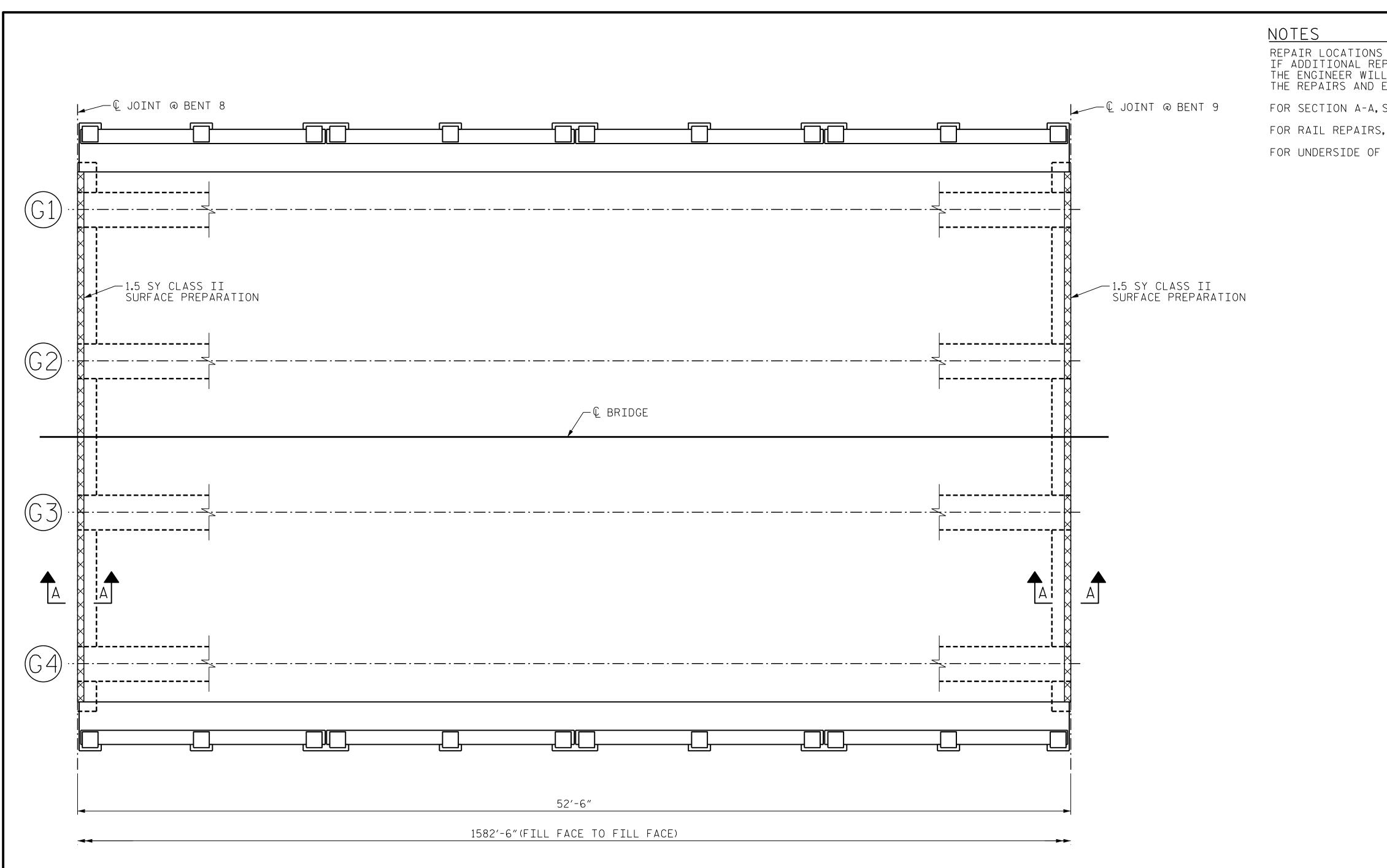
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SHOTCRETE REPAIR AREA

CLASS II SURFACE PREPARATION

GIRDER NUMBER (1)



SPAN T

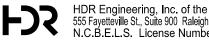
	ESTI	ΜΑΤΕ	ACT	UAL
	AREA	VOLUME	AREA	VOLUME
	SQ.FT.	CU.FT.	SQ.FT.	CU.FT.
UNDERSIDE OF DECK	0.0	0.0		
OVERHANG	0.0	0.0		

<u>Span I</u>								PROJECT NO	15BPR.38	8
			RA	IL REPA	TRS			ANSON	CC	DUNTY
AS-BUILT REPAIR C	JUANILITI	ADLE			MATE	٨ct	UAL	BRIDGE NO:	030078	
TOP OF DECK	REPAIRS			AREA	VOLUME	AREA	VOLUME			
	ESTIMATE	ACTUAL	CONCRETE REPAIRS	SQ.FT.	CU.FT.	SQ.FT.	CU.FT.	SHEET 9 OF 27		
SCARIFYING BRIDGE DECK	163.3 SQ. YDS.		RAIL	0.0	0.0			STATE OF	NORTH CAROLINA	
SHOTBLASTING BRIDGE DECK	163.3 SQ. YDS.							DEPARTMENT O	F TRANSPORTA	TION
CLASS II SURFACE PREPARATION	3.0 SQ. YDS.								RALEIGH	
CONCRETE DECK REPAIR FOR PC OVERLAY	3.0 SQ. YDS.									
POLYMER CONCRETE MATERIALS	6.8 CU.YDS.						TH CARO			
PLACING AND FINISHING PC OVERLAY	163.3 SQ. YDS.						AND OFFESSION T		OF SPANS	
GROOVING BRIDGE FLOOR	1312.5 SQ.FT.						SEAL)
FOAM JOINT SEAL	33.2 LIN.FT.						036214	SP SP	AN I	
							TD. ACINEF. C. L.			
						Kases	n M Mobley 11/18/2021	REVISIO	NS	SHEET NO.
					Engineering Inc. of the C	arolinas		NO. BY: DATE: NO.	BY: DATE:	S2-19
					Engineering, Inc. of the C yetteville St., Suite 900 Raleigh, N 3.E.L.S. License Number	N.C. 27601 : F-0116 UNLES	MENT NOT CONSIDERED FINAL S ALL SIGNATURES COMPLETED			TOTAL SHEETS 97

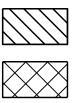
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DWG BY:	D.CURTIS	DATE :	01/19
CHK BY:	K.MOBLEY	DATE :	01/19



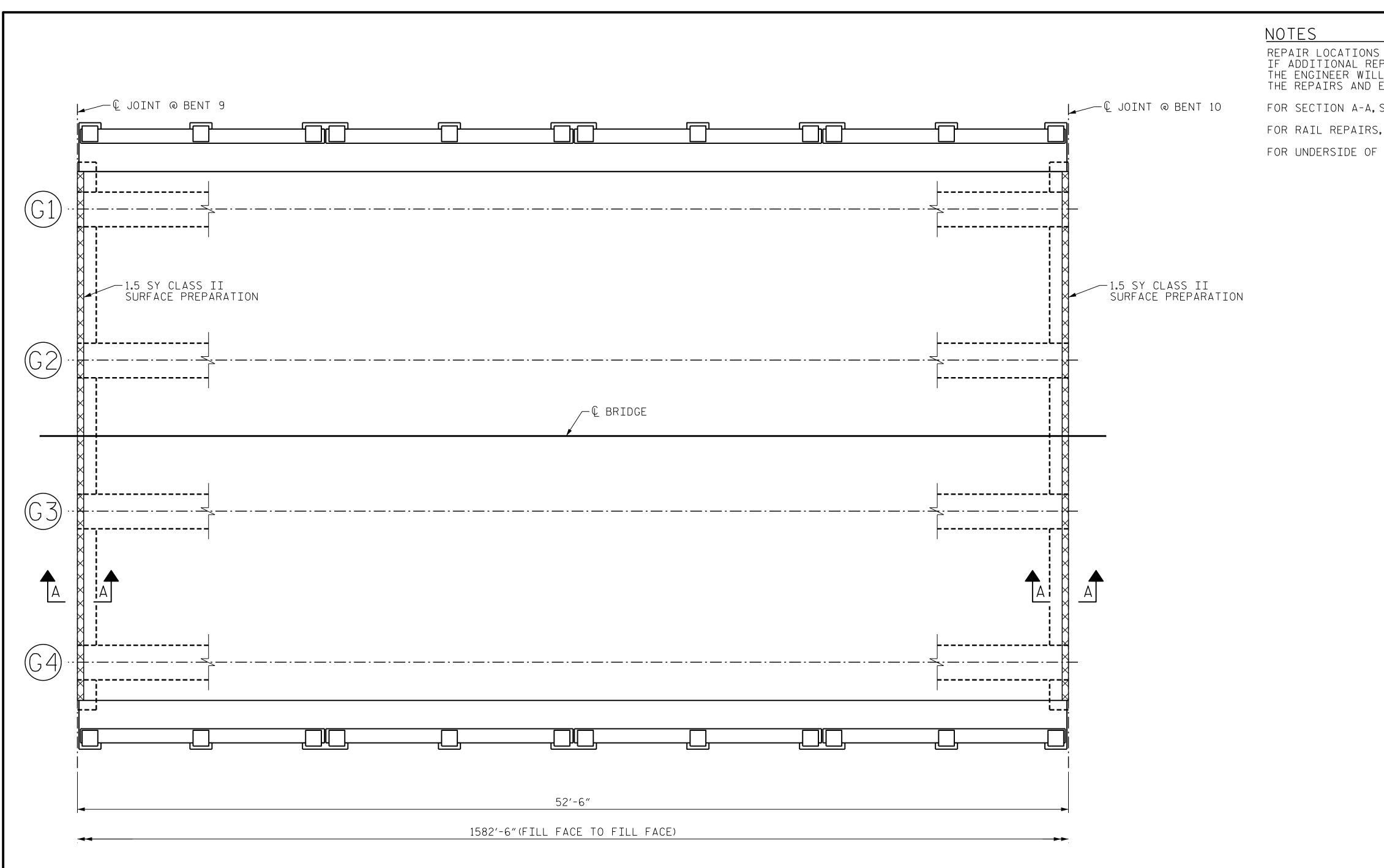
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SHOTCRETE REPAIR AREA

CLASS II SURFACE PREPARATION

GIRDER NUMBER (1)



<u>SPAN J</u>

UNDERSI				ESTIMATE				UAL	AS-BUIL
	AREA	VOLUME	AREA	VOLUME					
	SQ.FT.	CU.FT.	SQ.FT.	CU.FT.					
UNDERSIDE OF DECK	0.0	0.0			SCARIFYING BRIDGE DE				
OVERHANG	0.0	0.0			SHOTBLASTING BRIDGE				
					CLASS II SURFACE PRE				
					CONCRETE DECK REPAIR				
					POLYMER CONCRETE MAT				
					PLACING AND FINISHIM				
					GROOVING BRIDGE FLOO				
					FOAM JOINT SEAL				

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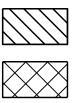
DWG BY:	D.CURTIS	DATE :	01/19
СНК ВҮ:	K.MOBLEY	_ DATE :	01/19

AS-BUILT REPAIR QUANTITY TABLE					
TOP OF DECK REPAIRS					
ESTIMATE	ACTUAL				
163.3 SQ.YDS.					
163.3 SQ. YDS.					
3.0 SQ.YDS.					
3.0 SQ.YDS.					
6.8 CU.YDS.					
163.3 SQ. YDS.					
1312.5 SQ.FT.					
33.2 LIN.FT.					
	PAIRS ESTIMATE 163.3 SQ. YDS. 163.3 SQ. YDS. 3.0 SQ. YDS. 3.0 SQ. YDS. 6.8 CU. YDS. 163.3 SQ. YDS. 163.3 SQ. YDS. 1312.5 SQ. FT.				

						PROJECT NO. <u>15BPR.38</u> <u>ANSON</u> COUNTY
RA	IL REPAI	RS				
	ESTIMA	TE	ACT	UAL		BRIDGE NO: 030078
CONCRETE REPAIRS		VOLUME CU.FT.	AREA SQ.FT.	VOLUME CU.FT.		SHEET 10 OF 27
RAIL	0.0	0.0				STATE OF NORTH CAROLINA
						DEPARTMENT OF TRANSPORTATION RALEIGH
				NOR OFESSION SEAL 036214		PLAN OF SPANS Span J
			Kasen	M Mobley 11/1	L8/2021	REVISIONS SHEET NO.
	HDR Engin 555 Fayettevill N.C.B.E.L.	neering, Inc. of the Carolin le St., Suite 900 Raleigh, N.C. 276 S. License Number: F-01	as 01 16 UNLES	MENT NOT CONSIDE S ALL SIGNATURES (NO. BY: DATE: NO. BY: DATE: S2-20 1 3 707AL SHEETS 97



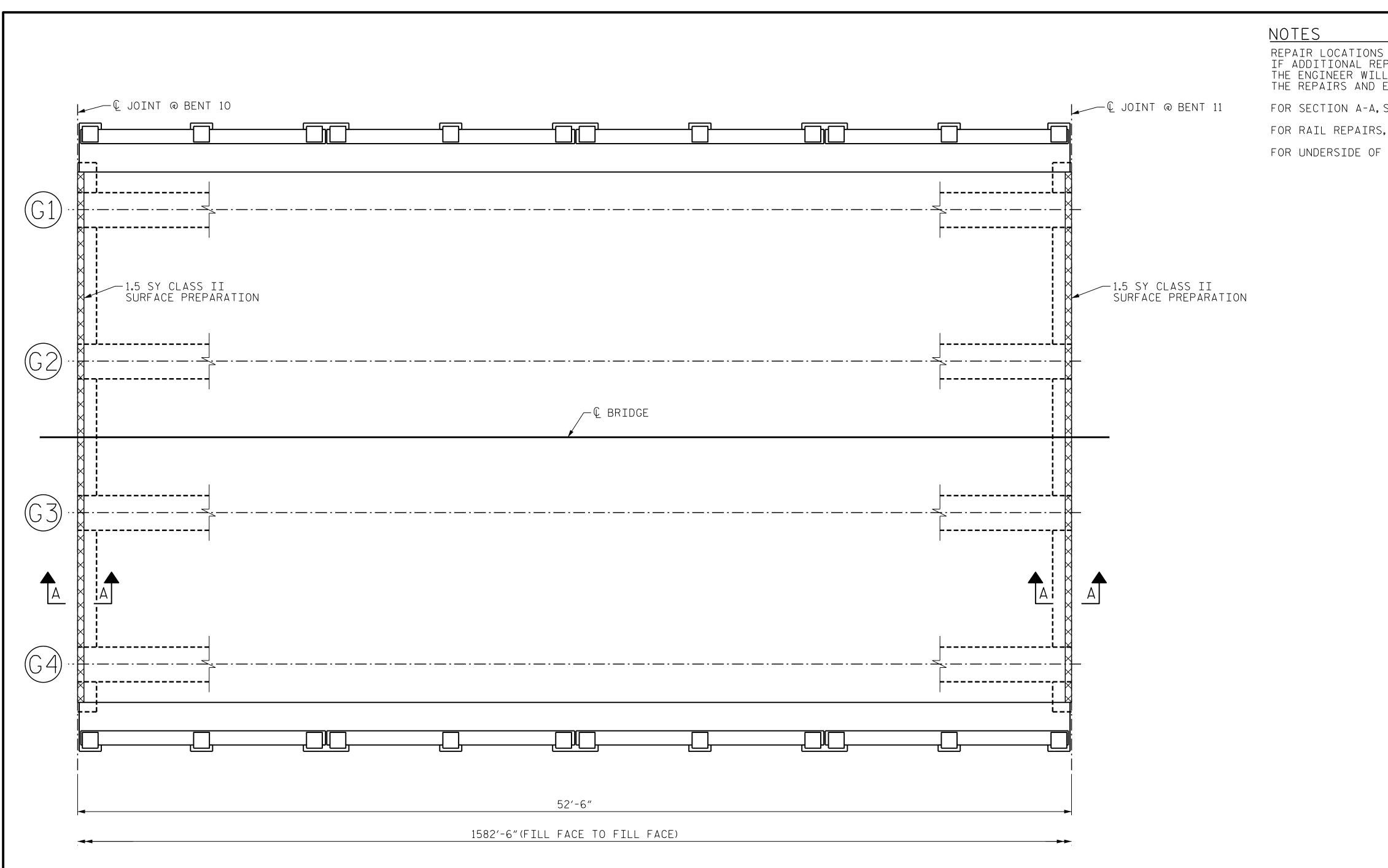
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SHOTCRETE REPAIR AREA

CLASS II SURFACE PREPARATION

GIRDER NUMBER (1)



<u>SPAN K</u>

	SIDE OF DE				AS-BUIL
	AREA	MATE VOLUME	ACT AREA	VOLUME	
	SQ.FT.	CU.FT.	SQ.FT.	CU.FT.	
UNDERSIDE OF DECK	0.0	0.0			SCARIFYING BRIDGE D
OVERHANG	0.0	0.0			SHOTBLASTING BRIDGE
					CLASS II SURFACE PR
					CONCRETE DECK REPAI
					POLYMER CONCRETE MA
					PLACING AND FINISHI
					GROOVING BRIDGE FLO
					FOAM JOINT SEAL

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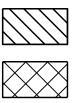
DWG BY:	D.CURTIS	_ DATE :	01/19
CHK BY:	K.MOBLEY	_ DATE :	01/19
0111 011			

_T REPAIR QUANTITY TABLE							
TOP OF DECK REPAIRS							
	ESTIMATE	ACTUAL					
DECK	163.3 SQ.YDS.						
E DECK	163.3 SQ.YDS.						
REPARATION	3.0 SQ.YDS.						
IR FOR PC OVERLAY	3.0 SQ.YDS.						
ATERIALS	6.8 CU.YDS.						
ING PC OVERLAY	163.3 SQ.YDS.						
OOR	1312.5 SQ.FT.						
	33.2 LIN.FT.						

				PROJECT NO. <u>15BPR.38</u> <u>ANSON</u> COUNTY
RA	IL REPAIRS	5		BRIDGE NO: 030078
	ESTIMATE		ACTUAL	BRIDGE NO: 030078
CONCRETE REPAIRS		LUME ARI J.FT. SQ.		SHEET 11 OF 27
RAIL		.0		STATE OF NORTH CAROLINA
			OR TH CARO OR TH CARO SEAL 036214 TR CONEER ON M. NOR	DEPARTMENT OF TRANSPORTATION RALEIGH PLAN OF SPANS SPAN K
			Karen M Mobley 11,	NO.
	HDR Engineerin 555 Fayetteville St., S N.C.B.E.L.S. Lic	g, Inc. of the Carolinas uite 900 Raleigh, N.C. 27601 cense Number: F-0116	DOCUMENT NOT CONSID UNLESS ALL SIGNATURES	



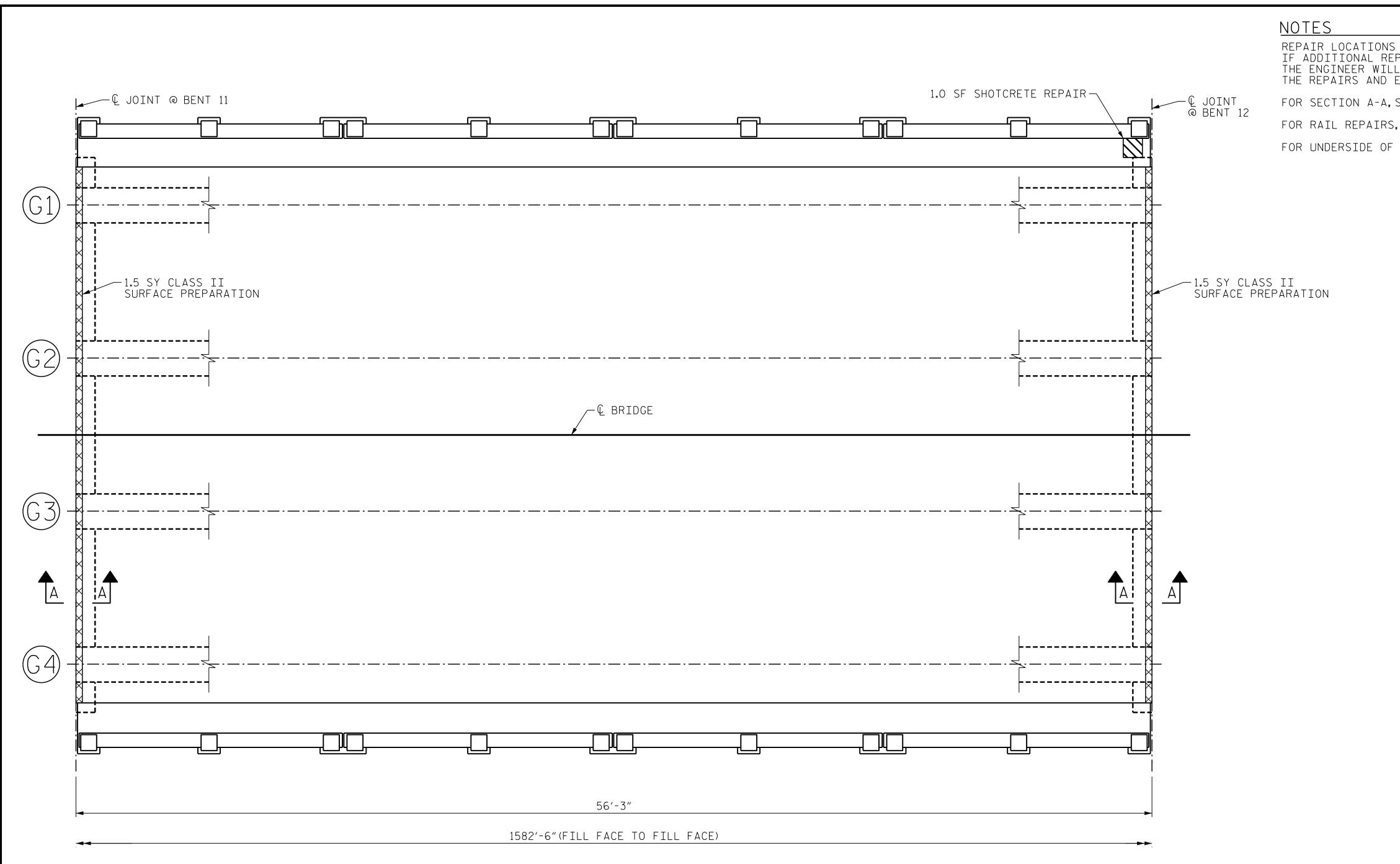
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SHOTCRETE REPAIR AREA

CLASS II SURFACE PREPARATION

GIRDER NUMBER (1)



SPAN I

	ESTI	MATE	REPAIRS		
	AREA	AREA VOLUME		VOLUME	
	SQ.FT.	CU.FT.	SQ.FT.	CU.FT.	
UNDERSIDE OF DECK	0.0	0.0			
OVERHANG	1.0	0.1			

<u>Span L</u>							PROJECT NO	15BPR.38	3
							ANSON		DUNTY
AS-BUILT REPAIR Q	UANTITY TABLE	RA	IL REPA					030078	
		1		MATE	ACT		BRIDGE NO:	030010	
TOP OF DECK		CONCRETE REPAIRS	AREA	VOLUME	AREA	VOLUME	SHEET 12 OF 27		
SCARIFYING BRIDGE DECK	ESTIMATE ACTUAL 175.0 SQ.YDS.	RAIL	SQ.FT. 0.0	CU.FT. 0.0	SQ.FT.	CU.FT.			
SHOTBLASTING BRIDGE DECK	175.0 SQ. YDS.		0.0	0.0				DF NORTH CAROLINA	
CLASS II SURFACE PREPARATION	3.0 SQ. YDS.							RALEIGH	TION
CONCRETE DECK REPAIR FOR PC OVERLAY	3.0 SQ. YDS.								
POLYMER CONCRETE MATERIALS	7.3 CU. YDS.					TH CARO			
PLACING AND FINISHING PC OVERLAY	175.0 SQ.YDS.					OF OF ESSION T		OF SPANS	
GROOVING BRIDGE FLOOR	1406.3 SQ.FT.					SEAL			,
FOAM JOINT SEAL	33.2 LIN.FT.					036214		PAN L	
						TANK NOB			
					Kares	n M Mobley 11/18/2021	REVISI	ONS	SHEET NO.
					_		NO. BY: DATE: NO	D. BY: DATE:	S2-22
				Engineering, Inc. of the Car yetteville St., Suite 900 Raleigh, N.C. 3.E.L.S. License Number: F	27601	MENT NOT CONSIDERED FINAL	-1	3	TOTAL SHEETS
			N.C.E	B.E.L.S. License Number: F	-0116 DOCU UNLES	S ALL SIGNATURES COMPLETED			97

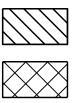
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DWG BY:	D.CURTIS	DATE :	01/19
CHK BY:	K.MOBLEY	_ DATE :	01/19



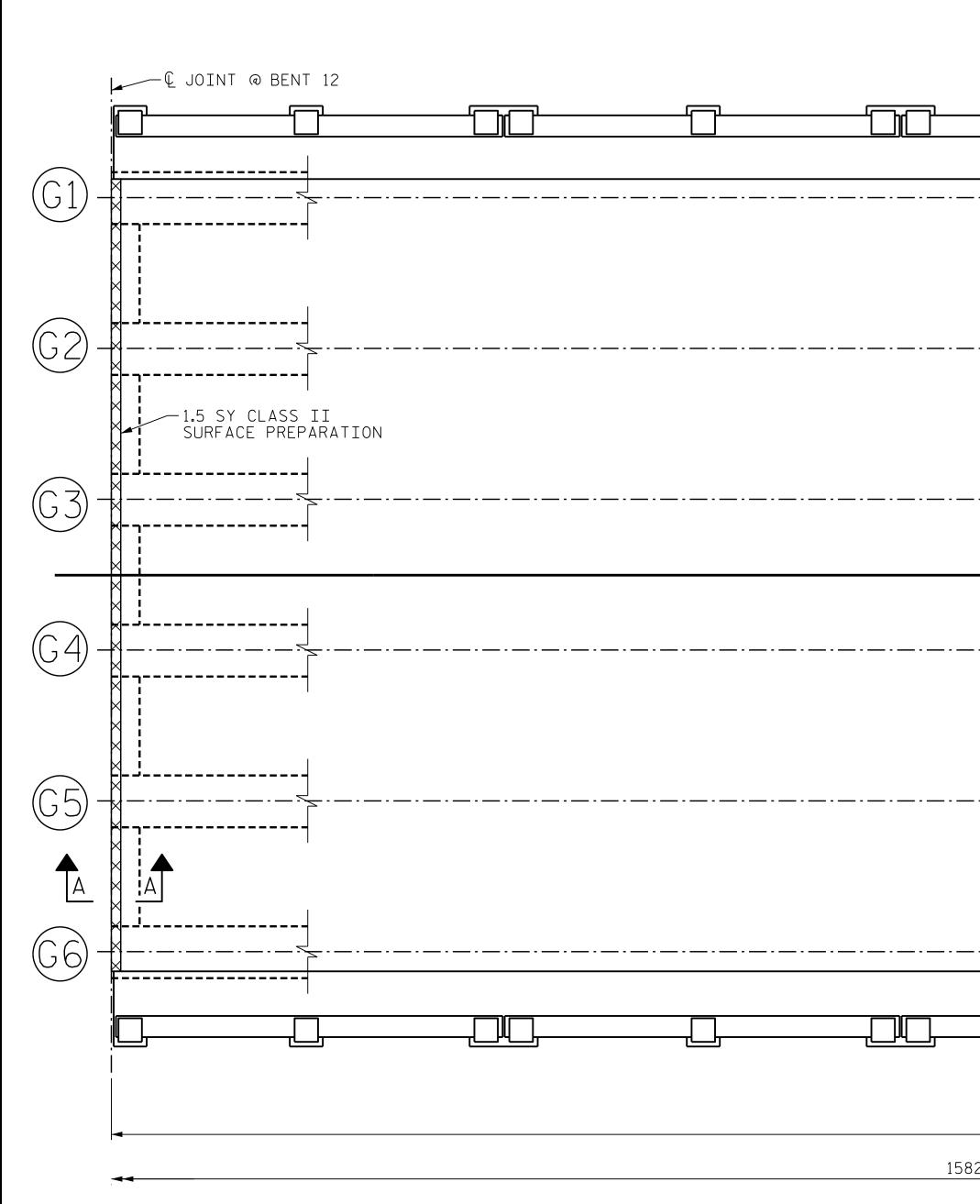
REPAIR LOCATIONS AND ESTIMATED QUANTITIES ARE BASED ON THE BEST INFORMATION AVAILABLE. IF ADDITIONAL REPAIRS NOT SHOWN ON THE DRAWINGS ARE DEEMED NECESSARY BY THE ENGINEER, THE ENGINEER WILL NOTE ON THE DRAWINGS THE APPROXIMATE LOCATIONS AND DESCRIPTION OF THE REPAIRS AND ENTER THE ACTUAL QUANTITIES INTO THE AS-BUILT REPAIR QUANTITY TABLE. FOR SECTION A-A, SEE ``FOAM JOINT DETAILS' SHEET. FOR RAIL REPAIRS, SEE ``RAIL REPAIR DETAILS' SHEET. FOR UNDERSIDE OF DECK REPAIRS, SEE ``OVERHANG, GIRDER AND DIAPHRAGM REPAIR DETAILS' SHEET.



SHOTCRETE REPAIR AREA

CLASS II SURFACE PREPARATION

GIRDER NUMBER (1)



UNDERSIDE OF DECK REPAIRS						
	ESTI	MATE	ACT	JAL		
	AREA	VOLUME	AREA	VOLUME		
	SQ.FT.	CU.FT.	SQ.FT.	CU.FT.		
UNDERSIDE OF DECK	0.0	0.0				
OVERHANG	0.0	0.0				

AS-BUILT REPAIR QUANTITY TABLE			AIL REPA	AIRS
			ESTI	ΜΑΤΕ
REPAIRS			AREA	VOLUME
ESTIMATE	ACTUAL	CUNCRETE REPAIRS	SQ.FT.	CU.FT.
217.7 SQ. YDS.		RAIL	0.0	0.0
217.7 SQ. YDS.				
3.0 SQ. YDS.				
3.0 SQ. YDS.				
9.0 CU. YDS.				
217.7 SQ. YDS.				
1750.0 SQ.FT.				
33.2 LIN.FT.		1		
	EPAIRS ESTIMATE 217.7 SQ. YDS. 217.7 SQ. YDS. 3.0 SQ. YDS. 3.0 SQ. YDS. 9.0 CU. YDS. 217.7 SQ. YDS. 1750.0 SQ. FT.	EPAIRS ESTIMATE ACTUAL 217.7 SQ. YDS. 217.7 SQ. YDS. 3.0 SQ. YDS. 3.0 SQ. YDS. 9.0 CU. YDS. 217.7 SQ. YDS. 1750.0 SQ. FT.	DANTITTTADLL REPAIRS ESTIMATE ACTUAL 217.7 SQ. YDS. 217.7 SQ. YDS. 3.0 SQ. YDS. 3.0 SQ. YDS. 9.0 CU. YDS. 217.7 SQ. YDS. 1750.0 SQ. FT.	REPAIRSESTIMATEACTUALESTIMATEACTUALCONCRETE REPAIRSAREA217.7 SO. YDS.SQ. FT.3.0 SO. YDS.0.03.0 SO. YDS.0.09.0 CU. YDS.217.7 SO. YDS.217.7 SO. YDS.1750.0 SO. FT.

DRIVER: NCDOT STRUCTURES DEFAULT PLOTTER.pit PENTABLE: NCDOT STRU: LZAMPETTI DATE: 11/17/2021 TIME: 10:35:35 AM

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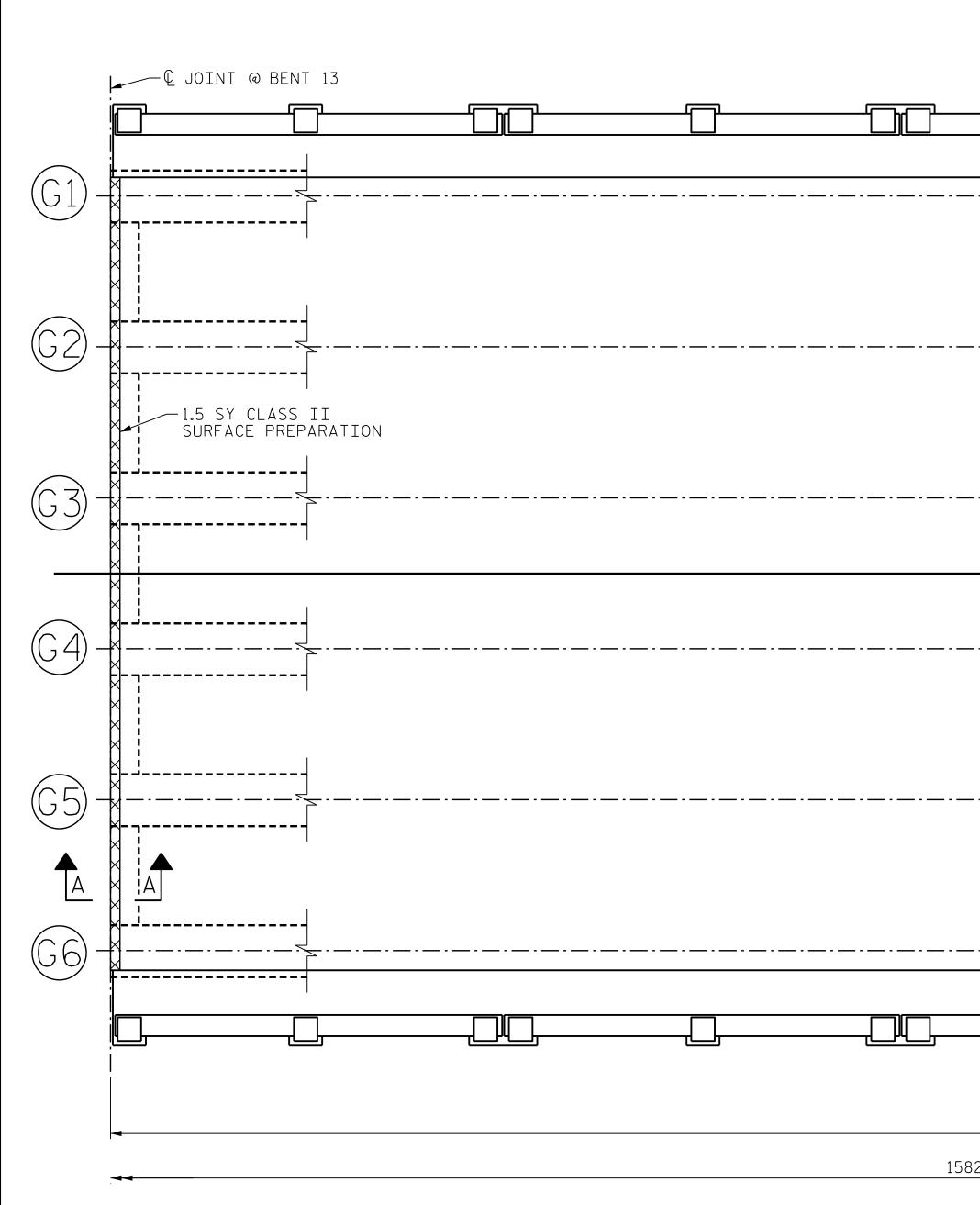
ſ	DWG BY:	D.CURTIS	DATE :	01/19
	CHK BY:	K.MOBLEY	DATE :	01/19

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REPAIR LOCATIONS AND E INFORMATION AVAILABLE. DRAWINGS ARE DEEMED NE WILL NOTE ON THE DRAWI DESCRIPTION OF THE REP THE AS-BUILT REPAIR QU	IF ADDITIC CESSARY BY NGS THE AP AIRS AND E	NAL REPAIRS THE ENGINE PROXIMATE L NTER THE AC	S NOT S ER, THE OCATIC	SHOWN ON ENGINEER NS AND	THE
FOR SECTION A-A, SEE ``F	OAM JOINT	DETAILS" SH	EET.		
FOR RAIL REPAIRS, SEE ``	RAIL REPAIR	R DETAILS''S	SHEET.		
- FOR UNDERSIDE OF DECK - REPAIR DETAILS'' SHEET.	REPAIRS, SEE	:``OVERHANG	,GIRDEF	R AND DIA	PHRAGM
JEINTES SHELT.					
1.5 SY CLASS II					
SURFACE PREPARATION					
	SHOTCRE	TE REPAIR	AREA		
	CLASS 1	I SURFACE	PREPAR	ATION	
(1) GIRDER	NUMBER			
< <u>R</u>	> RAIL RE	PAIR AREA			
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			1)
	PROJE(CT NO		5BPR.38)
		ANSON		CO	UNTY
ACTUAL	BRIDG	E NO:	03	80078	
AREA VOLUME SQ.FT. CU.FT.	SHEET 13	OF 27			
			NORTH CAR		
	DEPA	ARTMENT O	F TRAI	NSPORTA	IION
POFESSION T		PLAN (OF S	SPANS	
SEAL 036214			AN		
036214 TAD CONFERMENT M. MOBININ Kasen M. Mobley 11/18/2021					
Kasen M Mobley 11/18/2021		REVISIO	NS		SHEE T
	NO. BY:	DATE: NO.	BY:	DATE:	NO . 52-23
olinas 27601 -0116 DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	1	③ 4			TOTAL SHEETS 97



UNDERSIDE	E OF DE	CK REPA	IRS	
	ESTI	MATE	ACT	UAL
	AREA	VOLUME	AREA	VOLUME
	SQ.FT.	CU.FT.	SQ.FT.	CU.FT.
UNDERSIDE OF DECK	0.0	0.0		
OVERHANG	0.0	0.0		

AS-BUILT REPAIR Q	UANTTTY T	ABLE		RAIL REP.
				ESTI
TOP OF DECK	REPAIRS			- AREA
	ESTIMATE	ACTUAL	CONCRETE REPAIR	S SQ.FT.
SCARIFYING BRIDGE DECK	217.7 SQ. YDS.		RAIL	0.0
SHOTBLASTING BRIDGE DECK	217.7 SQ. YDS.			
CLASS II SURFACE PREPARATION	3.0 SQ. YDS.			
CONCRETE DECK REPAIR FOR PC OVERLAY	3.0 SQ. YDS.			
POLYMER CONCRETE MATERIALS	9.0 CU. YDS.			
PLACING AND FINISHING PC OVERLAY	217.7 SQ. YDS.			
GROOVING BRIDGE FLOOR	1750.0 SQ.FT.			
FOAM JOINT SEAL	33.2 LIN.FT.			

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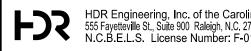
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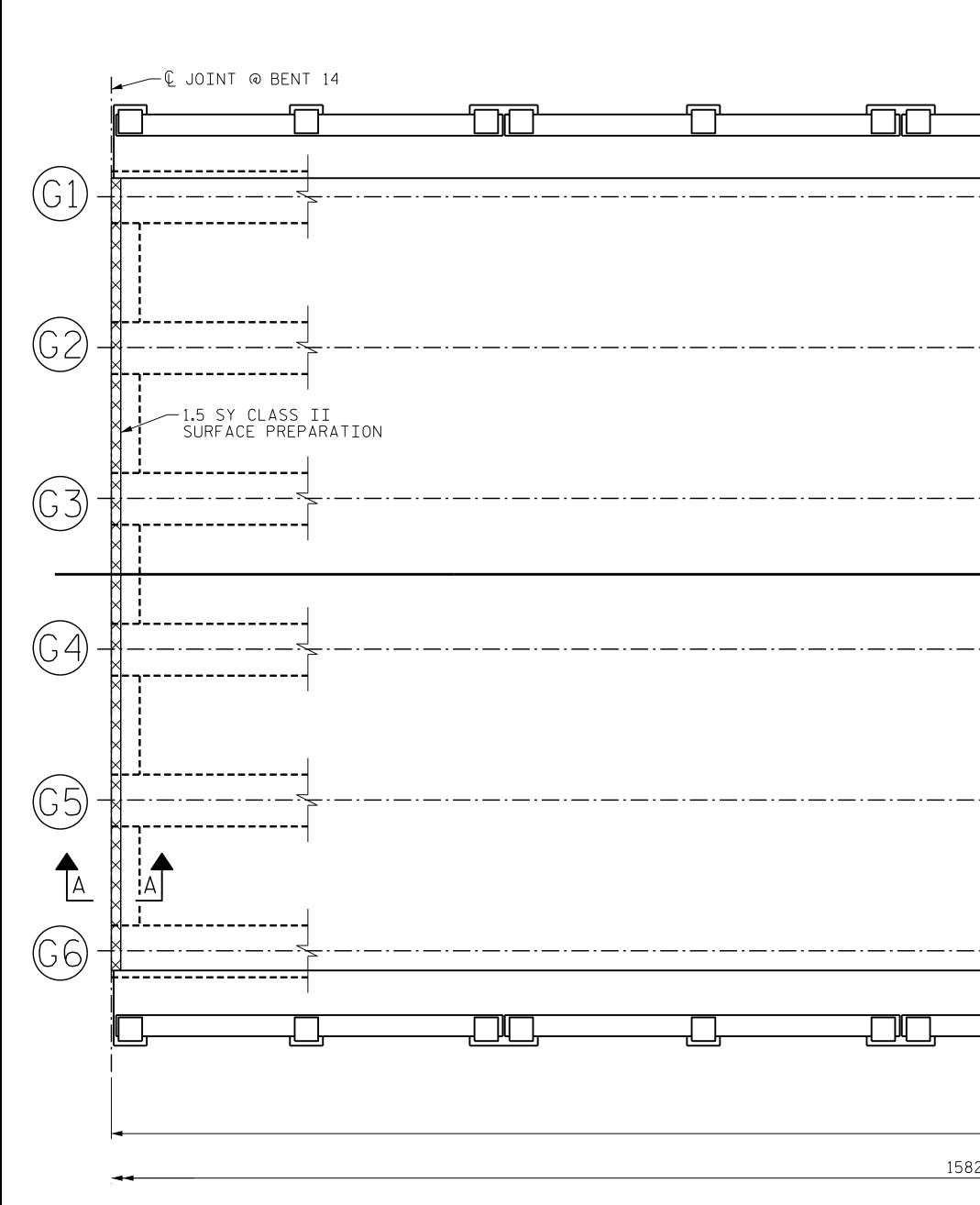
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FOR SECTION A	-A, SEE ``FOAM JOINT DETAILS'' SHEET.	
FOR RAIL REPAT	RS, SEE ``RAIL REPAIR DETAILS'' SHEET.	
FOR UNDERSIDE REPAIR DETAILS	OF DECK REPAIRS,SEE ``OVERHANG,GIRDER AND DIAPHRA S''SHEET.	GM
1.5 SY CLASS SURFACE PRE		
	SHOTCRETE REPAIR AREA	
	CLASS II SURFACE PREPARATION	
	1 GIRDER NUMBER	
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A		
	PROJECT NO. 15BPR.38	
	ANSONCOUNT	ΓY
ACTUAL	BRIDGE NO: 030078	
AREA VOLUME	SHEFT 14 OF 27	
SQ.FT. CU.FT.	STATE OF NORTH CAROLINA	
	DEPARTMENT OF TRANSPORTATION RALEIGH	١
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SEAL 036214		
U36214 TO NGINE NAN Karen M Mobley 1	CBL: CL AND CONTRACT OF CONTRACT.	
Karen M Mobley 1		IEET 10 .
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16 DOCUMENT NOT CON UNLESS ALL SIGNATU		EETS 97



UNDERSID	E OF DE	CK REPA	IRS	
	ESTI	ΜΑΤΕ	ACT	UAL
	AREA	VOLUME	AREA	VOLUME
	SQ.FT.	CU.FT.	SQ.FT.	CU.FT.
UNDERSIDE OF DECK	0.0	0.0		
OVERHANG	0.0	0.0		

AS-BUILT REPAIR QUANTITY TABLE				RAIL REPAIRS				
			- [ESTI	MATE		
TOP OF DECK RE	PAIRS				AREA	VOLUME		
	ESTIMATE	ACTUAL		CONCRETE REPAIRS	SQ.FT.	CU.FT.		
SCARIFYING BRIDGE DECK	217.7 SQ. YDS.			RAIL	0.0	0.0		
SHOTBLASTING BRIDGE DECK	217.7 SQ. YDS.							
CLASS II SURFACE PREPARATION	3.0 SQ.YDS.							
CONCRETE DECK REPAIR FOR PC OVERLAY	3.0 SQ.YDS.							
POLYMER CONCRETE MATERIALS	9.0 CU. YDS.							
PLACING AND FINISHING PC OVERLAY	217.7 SQ. YDS.							
GROOVING BRIDGE FLOOR	1750.0 SQ.FT.							
FOAM JOINT SEAL	33.2 LIN.FT.]					

DRIVER: NCDOT STRUCTURES DEFAULT PLOTTER.pH PENTABLE: NCDOT STRUC LZAMPETTI DATE: 11/17/2021 TIME: 10:37:41 AM

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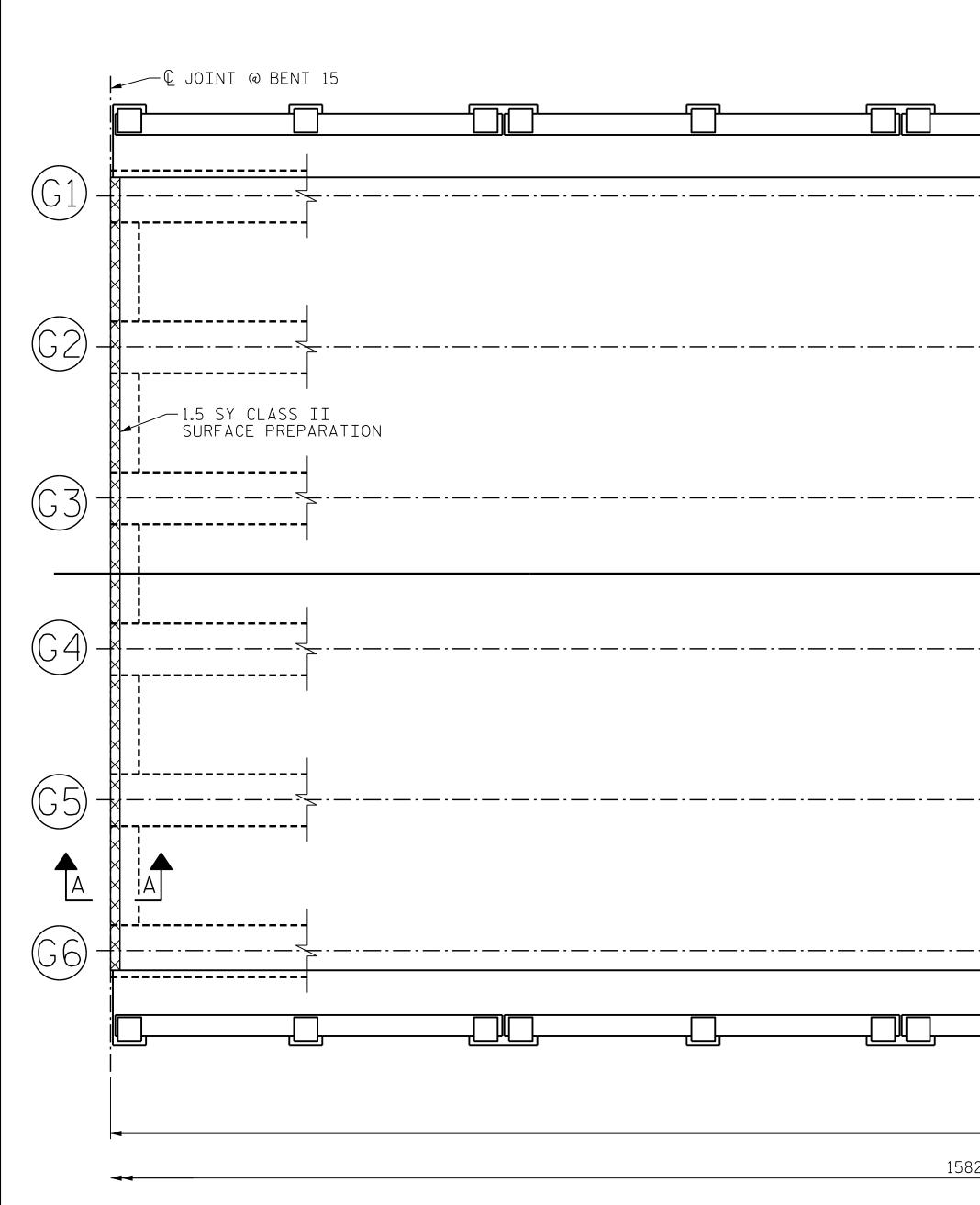
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	NOTES repair locations and es ⁻	TIMATEN O		S ARF RAG	SED ON TH	F RFST
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	FOR SECTION A-A, SEE ``FOA	AM JOINT	DETAILS''	SHEET.		
	FOR RAIL REPAIRS, SEE ``RA					
	FOR UNDERSIDE OF DECK RE REPAIR DETAILS" SHEET.	PAIRS, SEE	``OVERHAI	NG, GIRDE	R AND DIA	PHRAGM
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		SHOTCRE	TE REPAI	R AREA		
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		PROJE	CT NO.	1	5BPR.38	}
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	REA VOLUME Q.FT. CU.FT.	SHEET 15	DF 27			
		DEP	STATE ARTMENT	OF NORTH CAR		TION
				RALEIGH		
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	SEAL 036214			PAN		
	SEAL 036214 TYP: MCINEE N. M. MOBILIN Karen M. Mobley 11/18/2021			·		
	Kasen M Mobley 11/18/2021		REVIS			SHEET NO .
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UNDERSIDE OF DECK 0.0 0.0		AREA	VOLUME	AREA	VOLUME
		SQ.FT.	CU.FT.	SQ.FT.	CU.FT.
OVERHANG 0.0 0.0	UNDERSIDE OF DECK	0.0	0.0		
	OVERHANG	0.0	0.0		

AS-BUILT REPAIR QU	αντττή τ	ABLE		RA	IL REPA	AIRS
					ESTI	ΜΑΤΕ
TOP OF DECK RE	PAIRS		CONCE		AREA	VOLUME
	ESTIMATE	ACTUAL	LUNCF	REPAIRS	SQ.FT.	CU.FT.
SCARIFYING BRIDGE DECK	217.7 SQ.YDS.		RAIL		0.0	0.0
SHOTBLASTING BRIDGE DECK	217.7 SQ.YDS.					
CLASS II SURFACE PREPARATION	3.0 SQ. YDS.					
CONCRETE DECK REPAIR FOR PC OVERLAY	3.0 SQ.YDS.					
POLYMER CONCRETE MATERIALS	9.0 CU.YDS.					
PLACING AND FINISHING PC OVERLAY	217.7 SQ.YDS.					
GROOVING BRIDGE FLOOR	1750.0 SQ.FT.					
FOAM JOINT SEAL	33.2 LIN.FT.					

DRIVER: NCDOT STRUCTURES DEFAULT PLOTTER.p!+ PENTABLE: NCDOT STRUC LZAMPETTI DATE: 11/17/2021 TIME: 1:52:28 PM

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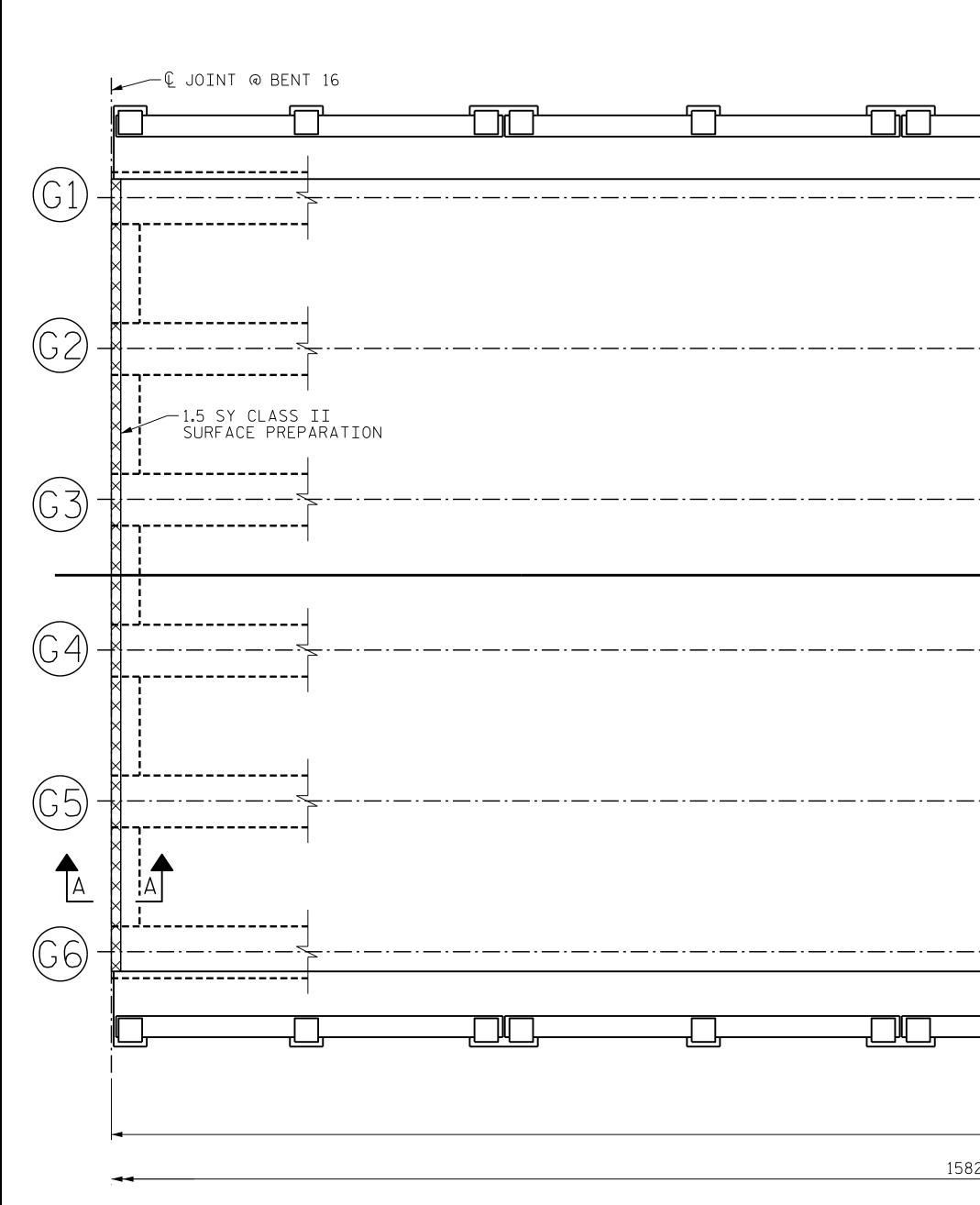
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	NOTES REPAIR LOCATIONS AND ES					
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	FOR SECTION A-A, SEE "FOA					
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4	-1.5 SY CLASS II					
	SURFACE PREPARATION					
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Δ	ACTUAL REA VOLUME	BRIDG		03	30078	
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		DEPA			NSPORTA	TION
	ATH CAROLAND					
	SEAL			OF S PAN	SPANS	
	SEAL 036214 TVP: MCINEER. 4 N. MOBILITY Kasen M Mobley 11/18/2021		3	I AN	I	
	Kasen M Mobley 11/18/2021		REVIS	IONS		SHEET NO.
rolinas C. 27601 F-0116		NO. BY:	DATE:	NO. BY:	DATE:	NU. S2-26 TOTAL SHEETS
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UNDERSID	E OF DE	CK REPA	IRS	
	ESTI	ΜΑΤΕ	ACT	UAL
	AREA	VOLUME	AREA	VOLUME
	SQ.FT.	CU.FT.	SQ.FT.	CU.FT.
UNDERSIDE OF DECK	0.0	0.0		
OVERHANG	0.0	0.0		

AS-BUILT REPAIR QU	ANTTTY T	ABLE	R	AIL REPA	AIRS
			4	ESTI	ΜΑΤΕ
TOP OF DECK RE	PAIRS			AREA	VOLUME
	ESTIMATE	ACTUAL	CONCRETE REPAIRS	SQ.FT.	CU.FT.
SCARIFYING BRIDGE DECK	217.7 SQ. YDS.		RAIL	0.0	0.0
SHOTBLASTING BRIDGE DECK	217.7 SQ. YDS.				
CLASS II SURFACE PREPARATION	3.0 SQ.YDS.]		
CONCRETE DECK REPAIR FOR PC OVERLAY	3.0 SQ.YDS.				
POLYMER CONCRETE MATERIALS	9.0 CU.YDS.]		
PLACING AND FINISHING PC OVERLAY	217.7 SQ. YDS.]		
GROOVING BRIDGE FLOOR	1750.0 SQ.FT.		1		
FOAM JOINT SEAL	33.2 LIN.FT.		1		

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CHK BY:	K.MOBLEY	DATE :	01/19

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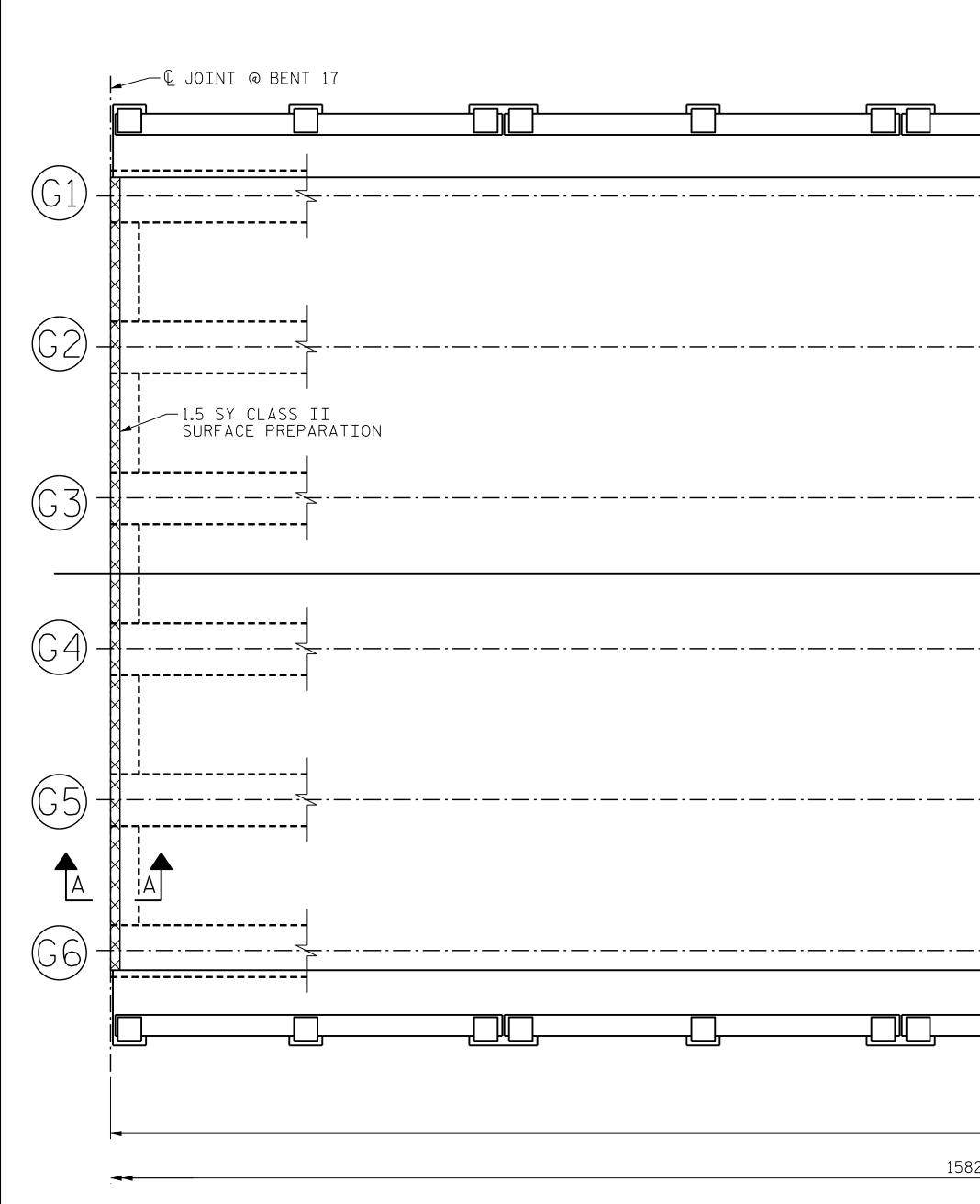
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THE AS-BUILT REPAIR QUAN	ITITY TAB	_ E .		0,	
FOR SECTION A-A, SEE ``FOA					
FOR RAIL REPAIRS, SEE ``RA					
FOR UNDERSIDE OF DECK RE - REPAIR DETAILS' SHEET.	PAIRS, SEE	. OVERHAN	NG, GIRDEI	R AND DIA	PHRAGM
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1.5 SY CLASS II SURFACE PREPARATION					
SUNTACE THEFANALION					
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	SHOTCRE	TE REPAIF	RAREA		
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UNDERSIDE OF DECK	TIME: 12:28:03		—			L	IN[DEF	25	ID	E C
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CHK BY: <u>K.MOBLET</u> DATE : <u>01/19</u>	ER: LZAMPETTI DATE: 11/18/2021 E: LZAMPETTI DATE: 11/18/2021 E:\78\Revisions\DGN\0520.17.dar		NG BY:	D. C							
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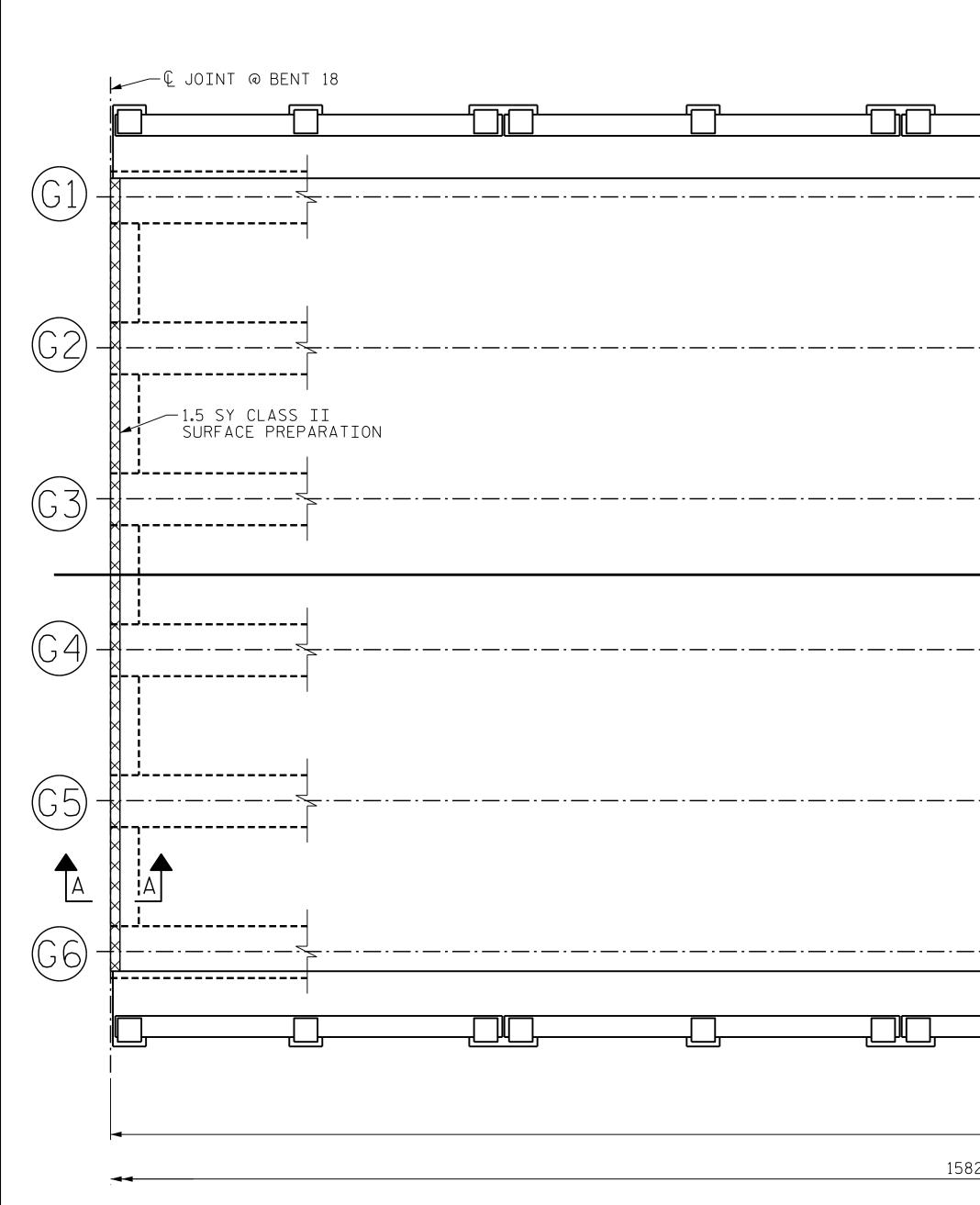
	ESTI	MATE	ACT	UAL
	AREA	VOLUME	AREA	VOLUME
	SQ.FT.	CU.FT.	SQ.FT.	CU.FT.
UNDERSIDE OF DECK	0.0	0.0		
OVERHANG	0.0	0.0		

AS-BUILT REPAIR QU	JANTTTY T	ABLE	A F	RAIL REP	AIRS
			4	ESTI	MATE
TOP OF DECK F	REPAIRS			AREA	VOLUME
	ESTIMATE	ACTUAL	CONCRETE REPAIRS	SQ.FT.	CU.FT.
SCARIFYING BRIDGE DECK	217.7 SQ. YDS.		RAIL	0.0	0.0
SHOTBLASTING BRIDGE DECK	217.7 SQ. YDS.				
CLASS II SURFACE PREPARATION	3.0 SQ. YDS.				
CONCRETE DECK REPAIR FOR PC OVERLAY	3.0 SQ. YDS.				
POLYMER CONCRETE MATERIALS	9.0 CU. YDS.				
PLACING AND FINISHING PC OVERLAY	217.7 SQ. YDS.				
GROOVING BRIDGE FLOOR	1750.0 SQ.FT.				
FOAM JOINT SEAL	33.2 LIN.FT.		1		

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	NOTES repair locations and es ⁻	TIMATEN O	UANTTTTE	S ARF RAG	SED ON TH	F RFST
	INFORMATION AVAILABLE. I DRAWINGS ARE DEEMED NECE WILL NOTE ON THE DRAWING	F ADDITIO Essary by	NAL REPAT THE ENGI	ERS NOT S NEER, THE	SHOWN ON Engineer	THE
1	DESCRIPTION OF THE REPAI THE AS-BUILT REPAIR QUAN	ERS AND EN	NTER THE			S INTO
İ	FOR SECTION A-A, SEE ``FOA	AM JOINT	DETAILS''	SHEET.		
	FOR RAIL REPAIRS, SEE ``RA				ς ανίς στα	PHRAGM
	REPAIR DETAILS" SHEET.	TAINS, SEL		NO, OINDE	AND DIP	
	- 1.5 SY CLASS II SURFACE PREPARATION					
		_				
		SHOTCRE	TE REPAI	r area		
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¢		GIRDER	NUMBER			
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	Karen M Mobley 11/18/2021		REVIS	IONS		SHEET NO.
rolinas C. 27601 F-0116		NO. ВҮ:	DATE:	NO. BY:	DATE:	S2-28 TOTAL SHEETS
F-0116	DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	2		4		97



UNDERSID	E OF DE	CK REPA	IRS	
	ESTI	MATE	ACTI	UAL
	AREA	VOLUME	AREA	VOLUME
	SQ.FT.	CU.FT.	SQ.FT.	CU.FT.
UNDERSIDE OF DECK	0.0	0.0		
OVERHANG	0.0	0.0		
DWG BY:D.CURTIS DATE :01/	/19			

AS-BUILT REPAIR QUANTITY TABLE					RA	IL REPA	IRS
			4 1			ESTI	MATE
TOP OF DECK REPAIRS						AREA	VOLUME
	ESTIMATE	ACTUAL	1	CONCRETE F	TEPAIRS	SQ.FT.	CU.FT.
SCARIFYING BRIDGE DECK	217.7 SQ. YDS.		1 [RAIL		0.0	0.0
SHOTBLASTING BRIDGE DECK	217.7 SQ. YDS.		1 -				
CLASS II SURFACE PREPARATION	3.0 SQ.YDS.						
CONCRETE DECK REPAIR FOR PC OVERLAY	3.0 SQ.YDS.						
POLYMER CONCRETE MATERIALS	9.0 CU.YDS.						
PLACING AND FINISHING PC OVERLAY	217.7 SQ. YDS.						
GROOVING BRIDGE FLOOR	1750.0 SQ.FT.						
FOAM JOINT SEAL	33.2 LIN.FT.]				
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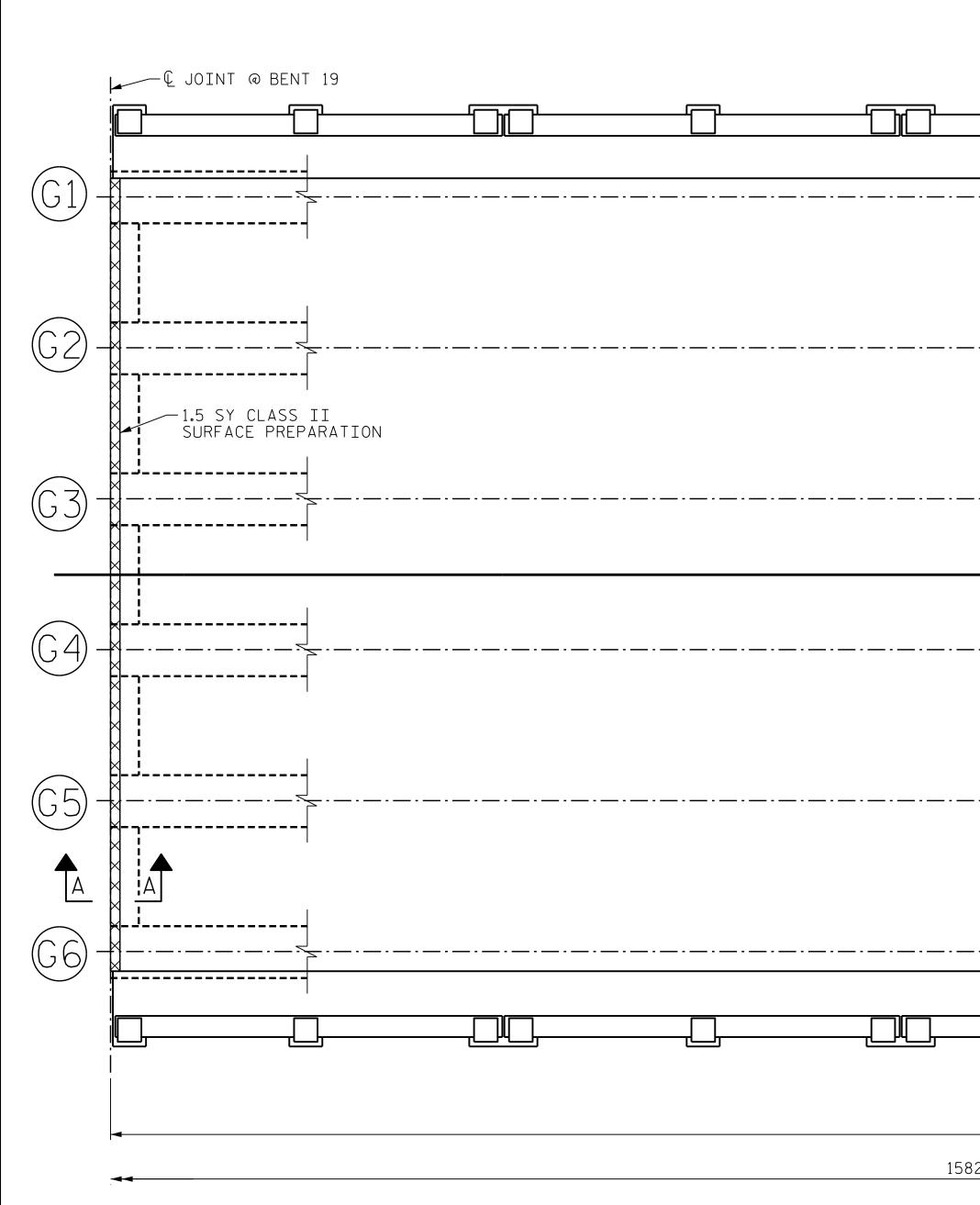
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<u>SPAN S</u>



	NOTES repair locations and	D ESTIMA	TFD 0	UANTTTTF	S ARF BAS	SED ON TH	F BEST
	INFORMATION AVAILAB DRAWINGS ARE DEEMED	LE.IF AD NECESSA	DITIO RY BY	NAL REPA THE ENGI	IRS NOT S [neer, the	SHOWN ON Engineer	THE
1	WILL NOTE ON THE DRA DESCRIPTION OF THE F THE AS-BUILT REPAIR	REPAIRS /	AND EN	NTER THE			S INTO
	FOR SECTION A-A, SEE				SHEET.		
	FOR RAIL REPAIRS, SEE	E ``RAIL F	REPAIF	R DETAILS	S''SHEET.		
	FOR UNDERSIDE OF DEC REPAIR DETAILS" SHEE		RS, SEE	``OVERHA	NG,GIRDE	R AND DIA	PHRAGM
	1.5 SY CLASS II SURFACE PREPARATI	ON					
		SH	HOTCRE	TE REPAI	R AREA		
		CL	_ASS I	I SURFAC	e prepar	ATION	
				NUMBER			
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		PR	OJE	CT NO.	1	5BPR.38	3
				ANSC)N	CO	UNTY
	ACTUAL	BR	IDG	E NO:_	03	30078	
	REA VOLUME Q.FT. CU.FT.	SHEE	ET 19 (DF 27			
					E OF NORTH CAF		ΤΤΟΝ
			DEPA	RIMENI	RALEIGH	NSPORTA	ITON
	THE CAROL THE CAROL						
	SEAL					SPANS	
	036214				SPAN	2	
	036214 <i>Typ: C. NGINEE</i> <i>N. M. MOB</i> <i>Karen M Mobley</i> 11/18/20	.21					-
	Karen M Mobley 11/18/20	NO.	BY:	REVIS DATE:	SIONS NO. BY:	DATE:	SHEET NO . S2-29
rolinas C. 27601 0116	DOCUMENT NOT CONSIDERED FI UNLESS ALL SIGNATURES COMPL				3 4		TOTAL SHEETS 97



UNDERSIDE OF DECK REPAIRS						
ESTIMATE ACTUAL						
	AREA	VOLUME	AREA	VOLUME		
	SQ.FT.	CU.FT.	SQ.FT.	CU.FT.		
UNDERSIDE OF DECK	0.0	0.0				
OVERHANG	0.0	0.0				

AS-BUILT REPAIR QUANTITY TABLE					RA	IL REPA	IRS
			-			ESTI	MATE
TOP OF DECK RE	TOP OF DECK REPAIRS			- CONCRETE REPAIRS		AREA	VOLUME
	ESTIMATE	ACTUAL		CUNCRETE	REPAIRS	SQ.FT.	CU.FT.
SCARIFYING BRIDGE DECK	217.7 SQ. YDS.			RAIL		0.0	0.0
SHOTBLASTING BRIDGE DECK	217.7 SQ. YDS.						
CLASS II SURFACE PREPARATION	3.0 SQ.YDS.						
CONCRETE DECK REPAIR FOR PC OVERLAY	3.0 SQ.YDS.						
POLYMER CONCRETE MATERIALS	9.0 CU.YDS.						
PLACING AND FINISHING PC OVERLAY	217.7 SQ. YDS.						
GROOVING BRIDGE FLOOR	1750.0 SQ.FT.						
FOAM JOINT SEAL	33.2 LIN.FT.						
			-				

RIVER: NCDOT STRUCTURES DEFAULT PLOTTER.pI+ PENTABLE: NCDOT STRI ZAMPETTI DATE: 11/17/2021 TIME: 10:48:16 AM

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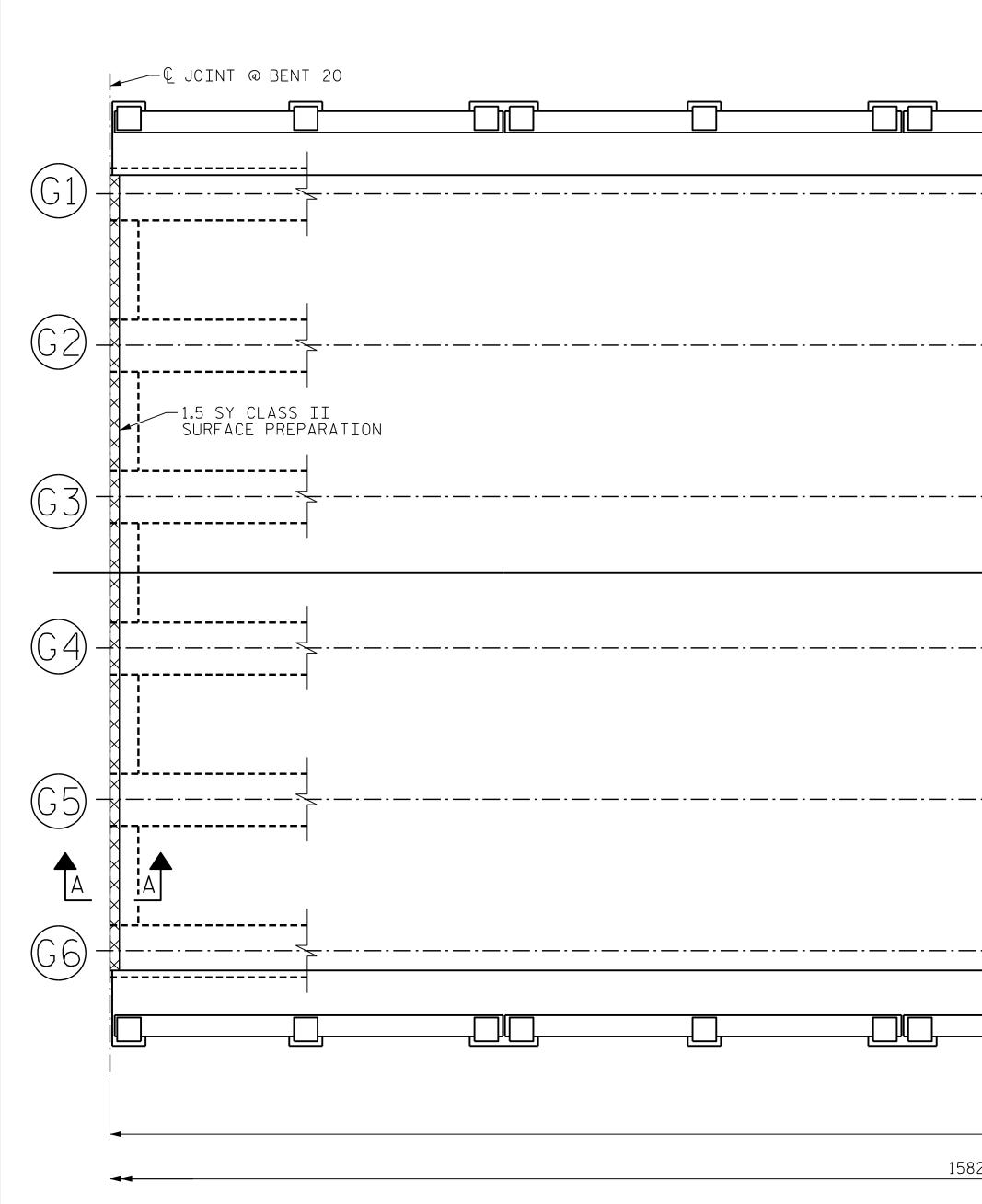
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DWG BY:	D.CURTIS	DATE :	01/19
CHK BY:	K.MOBLEY	DATE :	01/19

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	NOTES repair locations and	ESTTMATED (QUANTITIFS A	RE BASED ON TH	HE BEST
	INFORMATION AVAILABLE DRAWINGS ARE DEEMED N	E.IF ADDITI(Necessary by	ONAL REPAIRS 7 THE ENGINE	NOT SHOWN ON ER, THE ENGINEE	THE
	WILL NOTE ON THE DRAW DESCRIPTION OF THE RE THE AS-BUILT REPAIR Q	PAIRS AND E	NTER THE ACT		S INTO
4	FOR SECTION A-A, SEE ``			ET.	
	FOR RAIL REPAIRS, SEE	``RAIL REPAI	R DETAILS''S	HEET.	
	FOR UNDERSIDE OF DECK REPAIR DETAILS'' SHEET.		E ``OVERHANG,	GIRDER AND DI	APHRAGM
	- 1.5 SY CLASS II SURFACE PREPARATIO	Ν			
		SHOTCR	ete repair a	REA	
	_	CLASS	II SURFACE F	REPARATION	
	(1) GIRDER	NUMBER		
	<	R RAIL R	EPAIR AREA		
					
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		PRO.IF	CT NO	15BPR.3	8
		TROOL	ANSON		DUNTY
А	ACTUAL REA VOLUME		E NO:	030010	
SC	D.FT. CU.FT.	SHEET 20			
	J	DEP	ARTMENT OF	NORTH CAROLINA TRANSPORTA RALEIGH	TION
	OR THE ESSION T		PLAN ()F SPANS	>
	SEAL 036214			AN T	
	SEAL 036214 770 M. NOB Karen M. Mobley 11/18/2021				
	Karen M Mobley 11/18/2021		REVISION		SHEET NO.
rolinas C. 27601 F-0116	DOCUMENT NOT CONSIDERED FINA	NO. BY:	DATE: NO.	BY: DATE:	S2-30 TOTAL SHEETS
 ∪116	UNLESS ALL SIGNATURES COMPLET		④		97



	UNDERSID	E OF DE	CK REPA	IRS	
SQ.FT.CU.FT.SQ.FT.CU.FT.UNDERSIDE OF DECK0.00.0		ESTI	ΜΑΤΕ	ACT	UAL
UNDERSIDE OF DECK 0.0 0.0		AREA	VOLUME	AREA	VOLUME
		SQ.FT.	CU.FT.	SQ.FT.	CU.FT.
OVERHANG 0.0 0.0	UNDERSIDE OF DECK	0.0	0.0		
	OVERHANG	0.0	0.0		

AS-BUILT REPAIR QU	JANTTTY T	ARI F		RA	IL REPA	4]
					ESTI	. M
TOP OF DECK F	REPAIRS		CONCRETE RE		AREA	
	ESTIMATE	ACTUAL	CUNCRETE RE	FAINS	SQ.FT.	
SCARIFYING BRIDGE DECK	217.7 SQ. YDS.		RAIL		0.0	
SHOTBLASTING BRIDGE DECK	217.7 SQ. YDS.					
CLASS II SURFACE PREPARATION	3.0 SQ. YDS.					
CONCRETE DECK REPAIR FOR PC OVERLAY	3.0 SQ. YDS.					
POLYMER CONCRETE MATERIALS	9.0 CU.YDS.					
PLACING AND FINISHING PC OVERLAY	217.7 SQ. YDS.					
GROOVING BRIDGE FLOOR	1750.0 SQ.FT.					
FOAM JOINT SEAL	33.2 LIN.FT.		1			

DRIVER: NCDOT STRUCTURES DEFAULT PLOTTER.PI+ PENTABLE: NCDOT STRUCTURES :LZAMPETTI DATE: 11/17/2021 TIME: 10:52:03 AM

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DEFAULT

 DWG BY:
 D.CURTIS
 DATE :
 01/19

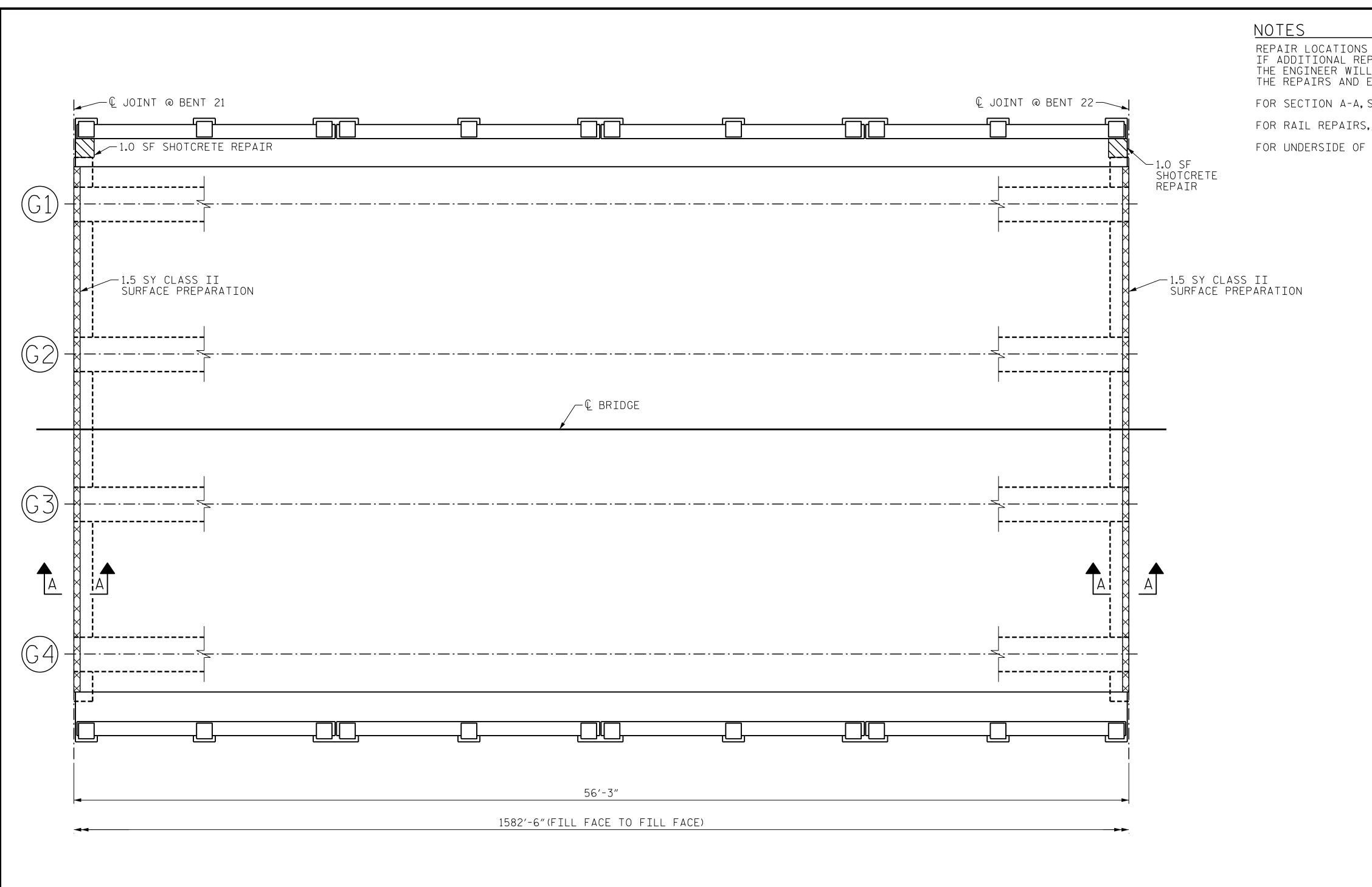
 CHK BY:
 K.MOBLEY
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NOTES					
REPAIR LOCATIONS AND EST INFORMATION AVAILABLE.IF DRAWINGS ARE DEEMED NECE	- ADDITIO	NAL REPAI	RS NOT S	SHOWN ON	THE
WILL NOTE ON THE DRAWING DESCRIPTION OF THE REPAI	GS THE APP	PROXIMATE	LOCATIO	DNS AND	
THE AS-BUILT REPAIR QUAN	ITITY TAB	_E.			
FOR SECTION A-A, SEE ``FOA					
FOR RAIL REPAIRS, SEE ``RA FOR UNDERSIDE OF DECK RE				r ανή ητα	PHRAGM
- REPAIR DETAILS" SHEET.	TAINS, JEE	O VEIMAN	IO, OINDE		
_					
1.5 SY CLASS II SURFACE PREPARATION					
	SHOTCRE	TE REPAIF	R AREA		
	CLASS I	I SURFACE	E PREPARA	ATION	
	2				
	GIRDER	NUMBEK			
	RAIL RE	PAIR AREA	ł		
_					
A					
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	PROJE	CT NO.	1	5BPR.38	}
		ANSO	N	CO	UNTY
ACTUAL	BRIDG	E NO:	03	30078	
ARFA VOLUME	SHEET 21 C)F 27			
50.11.			OF NORTH CAR		
	DEPA	RTMENT	OF TRA	NSPORTA	TION
www. H CARD					
ROFESSION T		PLAN	OF S	SPANS	
SEAL 036214			PAN		
036214 TTP: MCINEE N. M. MOB Karen M. Mobley 11/18/2021					
Karen M Mobley 11/18/2021		REVIS	IONS		SHEET NO.
rolinas . 27601 -0116 DOCUMENT NOT CONSIDERED FINAL	NO. ВҮ: 1		NO. BY:	DATE:	S2-31 TOTAL
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	2		4 1		SHEETS 97



SPAN V

	SQ.FT.CU.FT.SQ.FT.CU.FT.JNDERSIDE OF DECK0.00.00.0		ESTI	ΜΑΤΕ	ACT	UAL
JNDERSIDE OF DECK 0.0 0.0	JNDERSIDE OF DECK 0.0 0.0		AREA	VOLUME	AREA	VOLUME
			SQ.FT.	CU.FT.	SQ.FT.	CU.FT.
OVERHANG 2.0 0.2	OVERHANG 2.0 0.2	JNDERSIDE OF DECK	0.0	0.0		
		OVERHANG	2.0	0.2		

<u>Span v</u>								PROJECT NO	15BPR.38
AS-BUILT REPAIR Q	ΙΙΛΝΙΤΤΤΥ Τ	ARLE	RA	IL REPA	AIRS			ANSON	
		ADLL		ESTI	MATE	ACT	UAL	BRIDGE NO:	030078
TOP OF DECK F	REPAIRS		CONCRETE DEDATES	AREA	VOLUME	AREA	VOLUME		
	ESTIMATE	ACTUAL	CONCRETE REPAIRS	SQ.FT.	CU.FT.	SQ.FT.	CU.FT.	SHEET 22 OF 27	
SCARIFYING BRIDGE DECK	175.0 SQ.YDS.		RAIL	0.0	0.0			STATE OF	NORTH CAROLINA
SHOTBLASTING BRIDGE DECK	175.0 SQ.YDS.							DEPARTMENT OF	TRANSPORTATION
CLASS II SURFACE PREPARATION	3.0 SQ.YDS.								RALEIGH
CONCRETE DECK REPAIR FOR PC OVERLAY	3.0 SQ.YDS.								
POLYMER CONCRETE MATERIALS	7.3 CU.YDS.						SUBBRING CARO		
PLACING AND FINISHING PC OVERLAY	175.0 SQ.YDS.						AND ROFESSION T		DF SPANS
GROOVING BRIDGE FLOOR	1406.3 SQ.FT.						SEAL		
FOAM JOINT SEAL	33.2 LIN.FT.						036214	SP SP	AN V
							TO A MOBILITY		
						Kares	n M Mobley 11/18/2021	REVISION	NS SHEET NO.
					Engineering, Inc. of the C ayetteville St., Suite 900 Raleigh, B.E.L.S. License Number	Carolinas		NO. BY: DATE: NO.	BY: DATE: <u>S2-32</u> TOTAL
						F-0116 DOCU	IMENT NOT CONSIDERED FINAL S ALL SIGNATURES COMPLETE	□ 2 4	SHEETS 97

D.CURTIS K.MOBLEY DATE : 01/19 DATE : 01/19 DWG BY: CHK BY:

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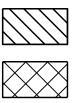
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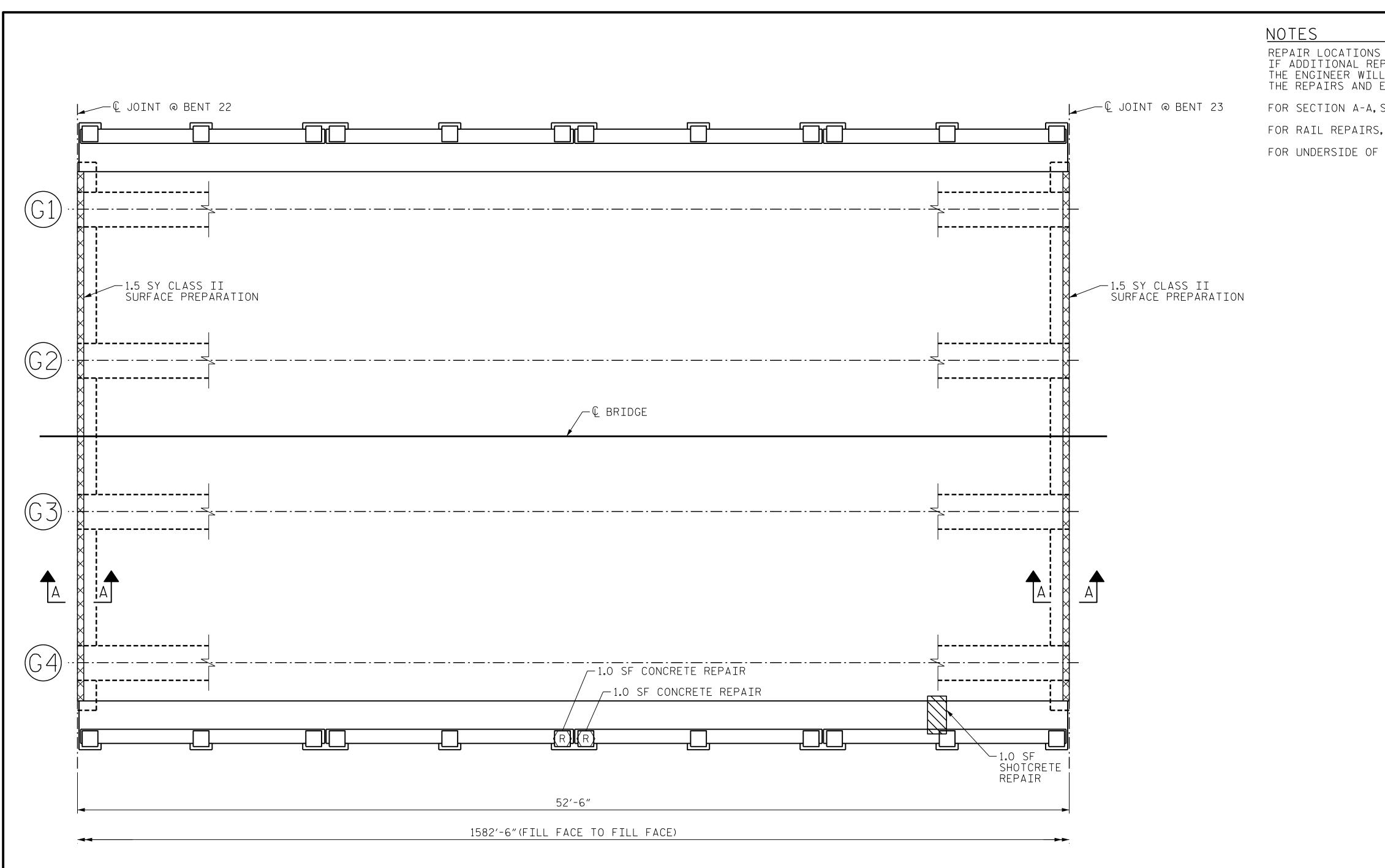
REPAIR LOCATIONS AND ESTIMATED QUANTITIES ARE BASED ON THE BEST INFORMATION AVAILABLE. IF ADDITIONAL REPAIRS NOT SHOWN ON THE DRAWINGS ARE DEEMED NECESSARY BY THE ENGINEER, THE ENGINEER WILL NOTE ON THE DRAWINGS THE APPROXIMATE LOCATIONS AND DESCRIPTION OF THE REPAIRS AND ENTER THE ACTUAL QUANTITIES INTO THE AS-BUILT REPAIR QUANTITY TABLE. FOR SECTION A-A, SEE ``FOAM JOINT DETAILS'' SHEET. FOR RAIL REPAIRS, SEE ``RAIL REPAIR DETAILS' SHEET. FOR UNDERSIDE OF DECK REPAIRS, SEE ``OVERHANG, GIRDER AND DIAPHRAGM REPAIR DETAILS' SHEET.



SHOTCRETE REPAIR AREA

CLASS II SURFACE PREPARATION

GIRDER NUMBER (1)



<u>Span W</u>

ONDERS	SIDE OF DE	MATE	ACT		AS-BUIL
	AREA	VOLUME	AREA	VOLUME	
	SQ.FT.	CU.FT.	SQ.FT.	CU.FT.	
UNDERSIDE OF DECK	0.0	0.0			SCARIFYING BRIDGE D
OVERHANG	1.0	0.3			SHOTBLASTING BRIDGE
					CLASS II SURFACE PRE
					CONCRETE DECK REPAIR
					POLYMER CONCRETE MA
					PLACING AND FINISHI
					GROOVING BRIDGE FLO
					FOAM JOINT SEAL

AULT DEF S Pentable: ncdot strug TIME: 11:00:11 AM + PLOTTER.pIt H. AUL NCI NCI DRIVER: LZAMPET

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 D.CURTIS
 DATE :
 01/19

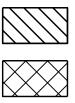
 K.MOBLEY
 DATE :
 01/19
 DWG BY: СНК ВҮ:

T REPAIR QUA	ANTITY 1	ABLE
TOP OF DECK REF	PAIRS	
	ESTIMATE	ACTUAL
DECK	163.3 SQ.YDS.	
E DECK	163.3 SQ.YDS.	
REPARATION	3.0 SQ.YDS.	
IR FOR PC OVERLAY	3.0 SQ.YDS.	
ATERIALS	6.8 CU.YDS.	
ING PC OVERLAY	163.3 SQ.YDS.	
OOR	1312.5 SQ.FT.	
	33.2 LIN.FT.	

					F	ROJECT NO Anson		<u>5BPR.38</u> CO	UNTY
RA	IL REPAI				F	BRIDGE NO:	03	0078	
	ESTIMA		ACTUA		L				
CONCRETE REPAIRS	AREA SQ.FT.		REA Q.FT.	VOLUME CU.FT.	S	HEET 23 OF 27			
RAIL	2.0	0.2				STATE	OF NORTH CAR	η της	
						DEPARTMENT	OF TRAN RALEIGH	NSPORTA	TION
			A REAL PROPERTY OF THE PROPERT	N M. MOB		PLAN Sf	of s Pan y		
			Kasen M	1 Mobley 11/18/2	2021	REVISI	ONS		SHEET NO.
					_		10. BY:	DATE:	S2-33
	HDR Engi 555 Fayettevi	neering, Inc. of the Carolinas lle St., Suite 900 Raleigh, N.C. 27601 .S. License Number: F-0116	DOCUME	NT NOT CONSIDERED		1	3		TOTAL SHEETS
	■ ■ ▼ ▼ N.U.B.E.L	.5. License Number: F-0116		LL SIGNATURES COM	IPLETED	2	Ą.		97



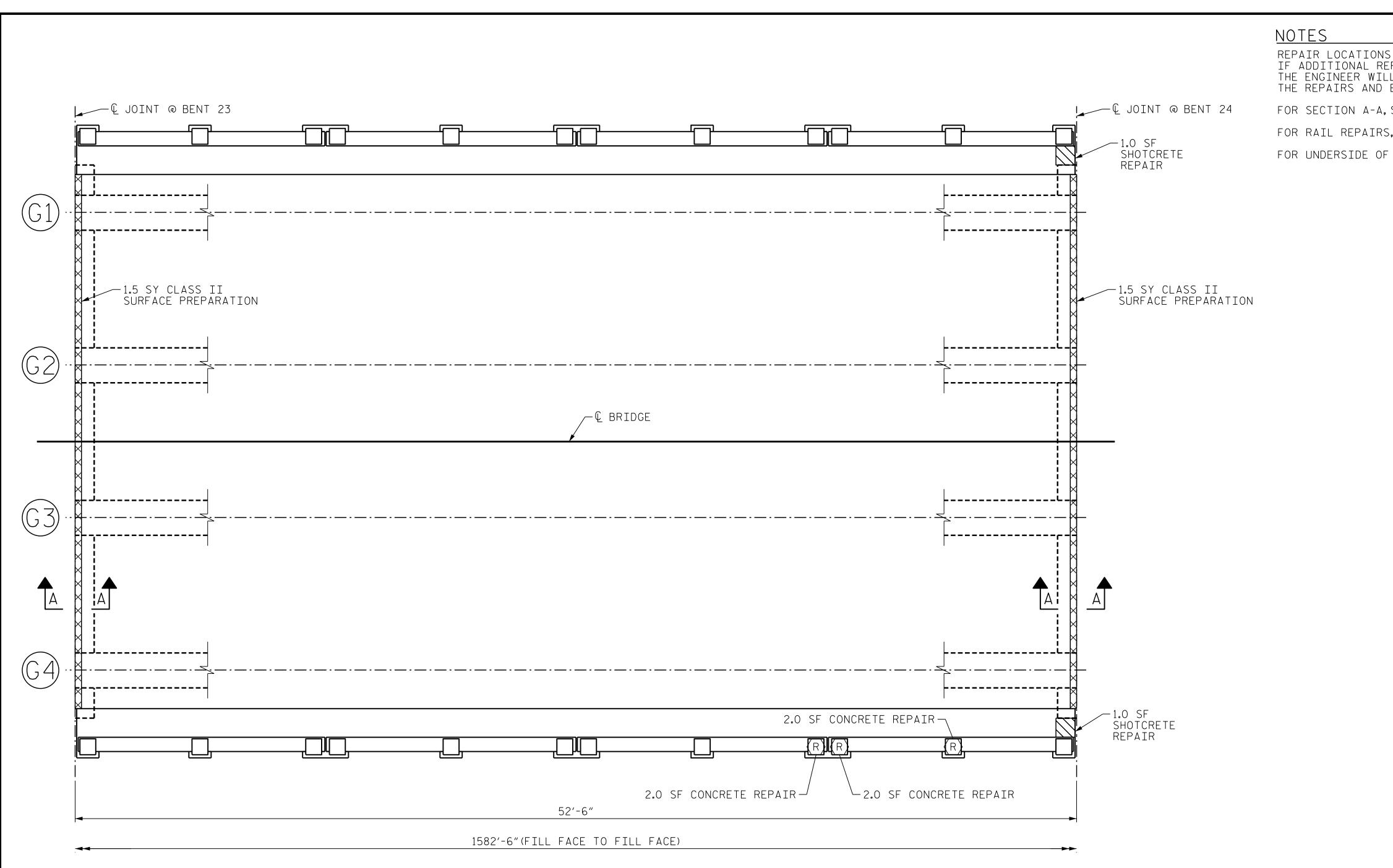
REPAIR LOCATIONS AND ESTIMATED QUANTITIES ARE BASED ON THE BEST INFORMATION AVAILABLE. IF ADDITIONAL REPAIRS NOT SHOWN ON THE DRAWINGS ARE DEEMED NECESSARY BY THE ENGINEER, THE ENGINEER WILL NOTE ON THE DRAWINGS THE APPROXIMATE LOCATIONS AND DESCRIPTION OF THE REPAIRS AND ENTER THE ACTUAL QUANTITIES INTO THE AS-BUILT REPAIR QUANTITY TABLE. FOR SECTION A-A, SEE ``FOAM JOINT DETAILS' SHEET. FOR RAIL REPAIRS, SEE ``RAIL REPAIR DETAILS' SHEET. FOR UNDERSIDE OF DECK REPAIRS, SEE ``OVERHANG, GIRDER AND DIAPHRAGM REPAIR DETAILS' SHEET.



SHOTCRETE REPAIR AREA

CLASS II SURFACE PREPARATION

GIRDER NUMBER (1)



SPAN X

AREA SQ.FT.	VOLUME CU.FT.	AREA	VOLUME
SQ.FT.			
	0.11.	SQ.FT.	CU.FT.
0.0	0.0		
2.0	0.2		
	2.0	2.0 0.2	2.0 0.2

<u>Span x</u>							PROJECT NO	15BF	PR.38
AS-BUILT REPAIR C	NIANITTY TARIE	RA	IL REPA	IRS			ANS		_ COUNTY
AJ DUILT NLIAIN G			ESTI	MATE	AC	TUAL	BRIDGE NO:_	0300	78
TOP OF DECK	REPAIRS	CONCRETE DEDATOS	AREA	VOLUME	AREA	VOLUME			
	ESTIMATE ACTUAL	CONCRETE REPAIRS	SQ.FT.	CU.FT.	SQ.FT.	CU.FT.	SHEET 24 OF 27		
SCARIFYING BRIDGE DECK	163.3 SQ. YDS.	RAIL	6.0	0.3			STA	TE OF NORTH CAROLINA	
SHOTBLASTING BRIDGE DECK	163.3 SQ. YDS.						DEPARTMENT	OF TRANSP	ORTATION
CLASS II SURFACE PREPARATION	3.0 SQ. YDS.							RALEIGH	
CONCRETE DECK REPAIR FOR PC OVERLAY	3.0 SQ. YDS.								
POLYMER CONCRETE MATERIALS	6.8 CU.YDS.					TH CARO			
PLACING AND FINISHING PC OVERLAY	163.3 SQ. YDS.					OR OFESSION N		OF SP/	ΛΝΙς
GROOVING BRIDGE FLOOR	1312.5 SQ.FT.					SEAL			
FOAM JOINT SEAL	33.2 LIN.FT.					036214		SPAN X	
						TANK MCINEF. R			
					Kase	en M Mobley 11/18/2021	REVI	SIONS	SHEET NO.
			· · · · · · · · · · · · · · · · · · ·				NO. BY: DATE:	NO. BY: D	NO. S2-34
				Engineering, Inc. of the C yetteville St., Suite 900 Raleigh, I 3.E.L.S. License Number	Carolinas		1	3	TOTAL SHEETS
			N.C.E	3.E.L.S. License Number	F-0116 DOCU	UMENT NOT CONSIDERED FINAL SS ALL SIGNATURES COMPLETE	D 2	4	97 SHEETS

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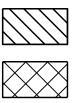
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 D.CURTIS
 DATE :
 01/19

 K.MOBLEY
 DATE :
 01/19
 DWG BY: CHK BY:



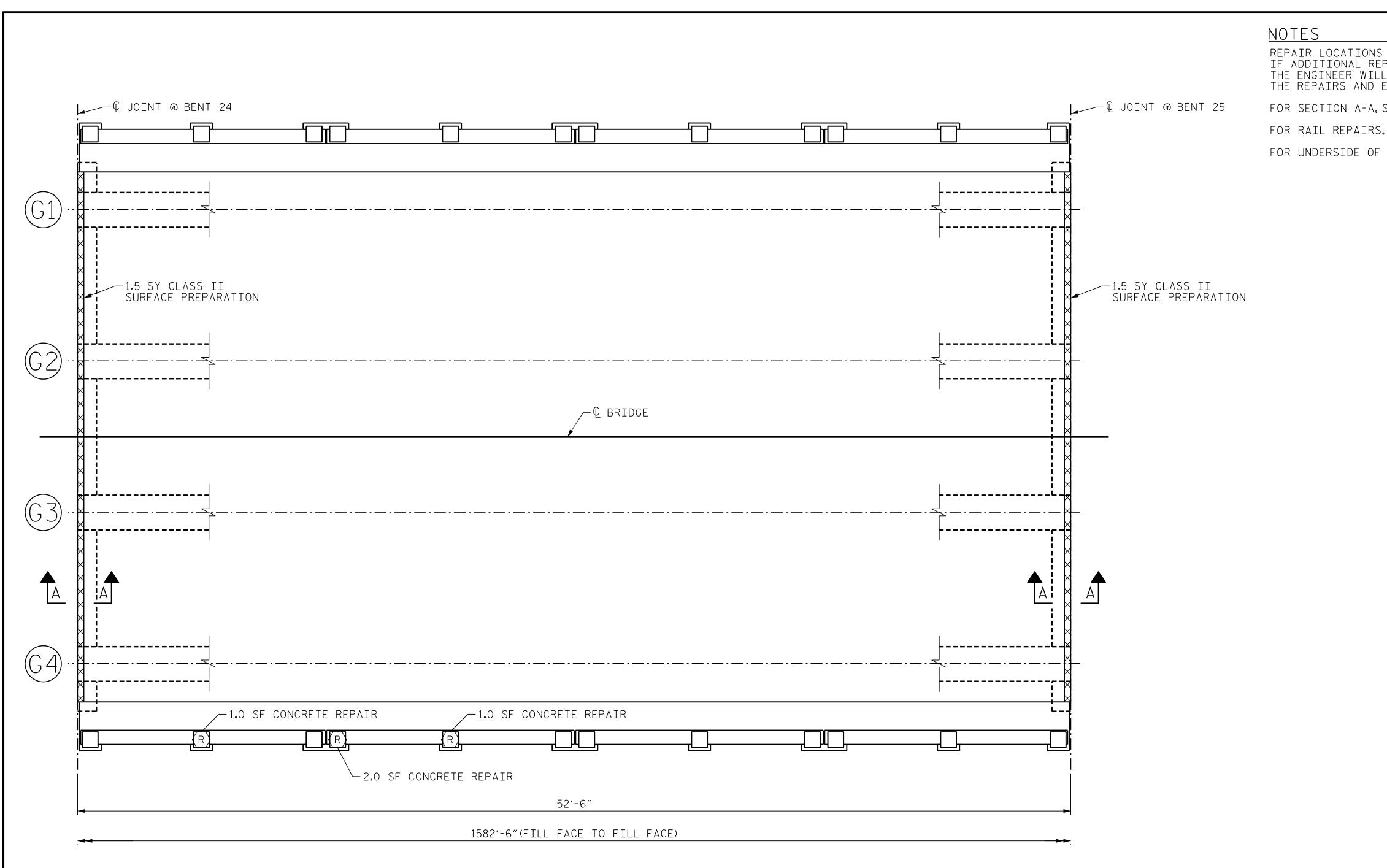
REPAIR LOCATIONS AND ESTIMATED QUANTITIES ARE BASED ON THE BEST INFORMATION AVAILABLE. IF ADDITIONAL REPAIRS NOT SHOWN ON THE DRAWINGS ARE DEEMED NECESSARY BY THE ENGINEER, THE ENGINEER WILL NOTE ON THE DRAWINGS THE APPROXIMATE LOCATIONS AND DESCRIPTION OF THE REPAIRS AND ENTER THE ACTUAL QUANTITIES INTO THE AS-BUILT REPAIR QUANTITY TABLE. FOR SECTION A-A, SEE ``FOAM JOINT DETAILS'' SHEET. FOR RAIL REPAIRS, SEE ``RAIL REPAIR DETAILS' SHEET. FOR UNDERSIDE OF DECK REPAIRS, SEE ``OVERHANG, GIRDER AND DIAPHRAGM REPAIR DETAILS' SHEET.



SHOTCRETE REPAIR AREA

CLASS II SURFACE PREPARATION

GIRDER NUMBER (1)



<u>SPAN Y</u>

	ESTI	MATE	ACT	JAL	AS-BU
	AREA	VOLUME	AREA	VOLUME	
	SQ.FT.	CU.FT.	SQ.FT.	CU.FT.	
UNDERSIDE OF DECK	0.0	0.0			SCARIFYING BRIDG
OVERHANG	0.0	0.0			SHOTBLASTING BRI
					CLASS II SURFACE
					CONCRETE DECK REF
					POLYMER CONCRETE
					PLACING AND FINI
					GROOVING BRIDGE
					FOAM JOINT SEAL

S NCDOT 2:34 AM INTABLE: IME: 11:02

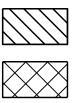
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T REPAIR QUA	ANTITY 1	FABLE					
TOP OF DECK REPAIRS							
	ESTIMATE	ACTUAL					
DECK	163.3 SQ.YDS.						
E DECK	163.3 SQ. YDS.						
REPARATION	3.0 SQ.YDS.						
R FOR PC OVERLAY	3.0 SQ.YDS.						
ATERIALS	6.8 CU.YDS.						
ING PC OVERLAY	163.3 SQ. YDS.						
OOR	1312.5 SQ.FT.						
	33.2 LIN.FT.						

			PROJECT NO. <u>15BPR.38</u>			
			ANSON COUNTY			
RA	IL REPAIRS					
	ESTIMATE	ACTUAL	BRIDGE NO: 030078			
CONCRETE REPAIRS	AREA VOLUME SQ.FT. CU.FT.	AREA VOLUME SQ.FT. CU.FT.	SHEET 25 OF 27			
RAIL	4.0 0.3		STATE OF NORTH CAROLINA			
DEPARTMENT OF TRANSPORTATION						
PLAN OF SPANS SEAL 036214 THOMAN MOBILING N.M. M.M. M.M. MOBILING N.M. M.M. M.M. M.M. M.M. M.M. M.M. M.M.						
		Karen M Mobley 11/	18/2021 REVISIONS SHEET NO.			
	UDD Engineering Inc. of the	Carolinas	NO. BY: DATE: NO. BY: DATE: S2-35			
	HDR Engineering, Inc. of the 555 Fayetteville St., Suite 900 Raleigh, N.C.B.E.L.S. License Number	N.C. 27601 DOCUMENT NOT CONSID UNLESS ALL SIGNATURES	ERED FINAL SHEETS			



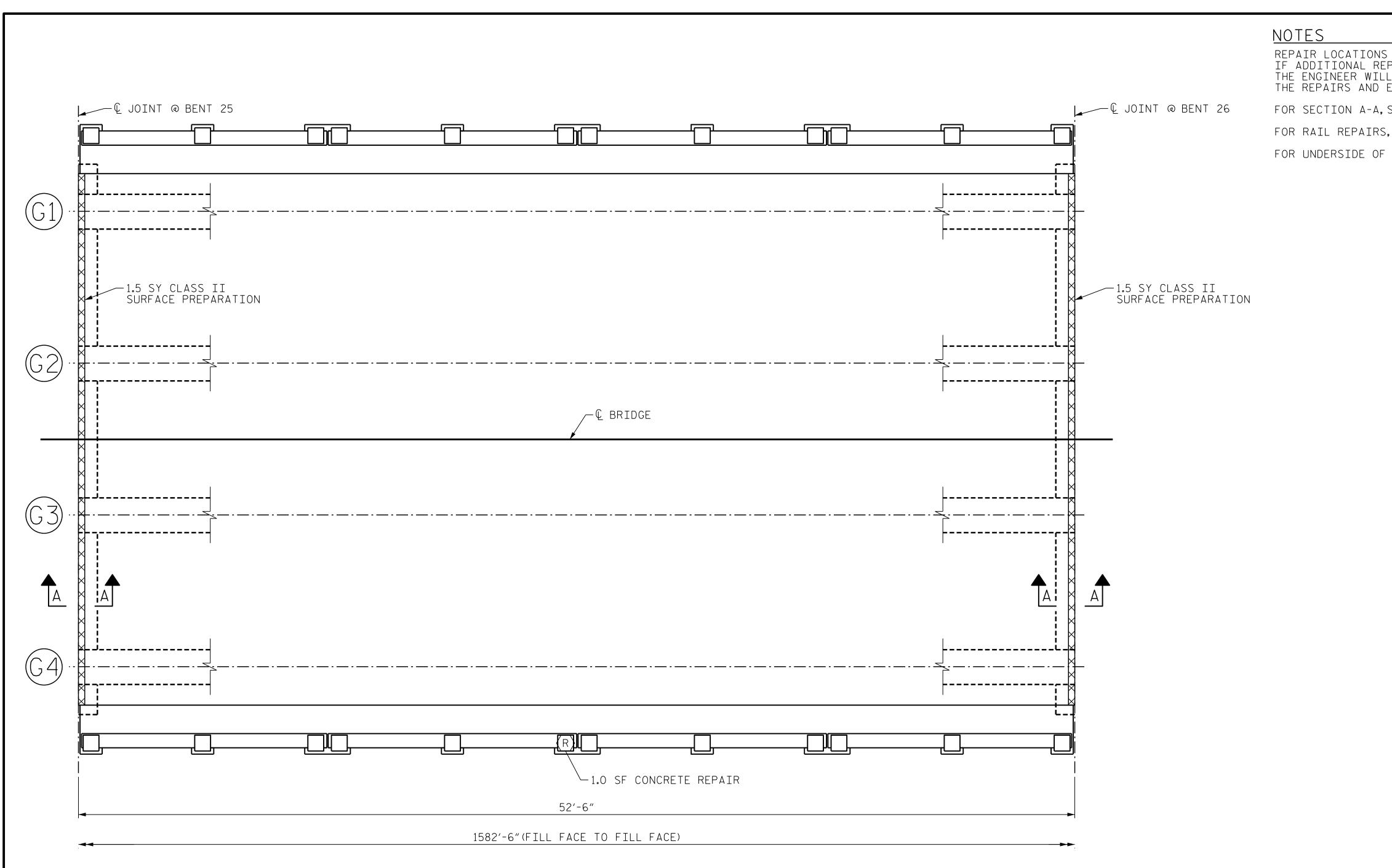
REPAIR LOCATIONS AND ESTIMATED QUANTITIES ARE BASED ON THE BEST INFORMATION AVAILABLE. IF ADDITIONAL REPAIRS NOT SHOWN ON THE DRAWINGS ARE DEEMED NECESSARY BY THE ENGINEER, THE ENGINEER WILL NOTE ON THE DRAWINGS THE APPROXIMATE LOCATIONS AND DESCRIPTION OF THE REPAIRS AND ENTER THE ACTUAL QUANTITIES INTO THE AS-BUILT REPAIR QUANTITY TABLE. FOR SECTION A-A, SEE ``FOAM JOINT DETAILS'' SHEET. FOR RAIL REPAIRS, SEE ``RAIL REPAIR DETAILS' SHEET. FOR UNDERSIDE OF DECK REPAIRS, SEE ``OVERHANG, GIRDER AND DIAPHRAGM REPAIR DETAILS' SHEET.



SHOTCRETE REPAIR AREA

CLASS II SURFACE PREPARATION

GIRDER NUMBER (1)



SPAN 7

		MATE	ACT	
	AREA	VOLUME	AREA	VOLUME
	SQ.FT.	CU.FT.	SQ.FT.	CU.FT.
JNDERSIDE OF DECK	0.0	0.0		
OVERHANG	0.0	0.0		

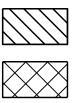
<u>Span Z</u>								PROJECT	Г NO	15BPR.38	3
									ANSON	CC	DUNTY
AS-BUILT REPAIR	QUANTITY T	ABLE	RA	IL REP						030078	
TOP OF DECK			· · · · · · · · · · · · · · · · · · ·				TUAL	BRIDGE	NU:	030010	
TOF OF DECK			CONCRETE REPAIRS	AREA	VOLUME	AREA	VOLUME	SHEET 26 OF	27		
SCARIFYING BRIDGE DECK	ESTIMATE 163.3 SQ. YDS.	ACTUAL	RAIL	SQ.FT. 1.0	CU.FT. 0.1	SQ.FT.	CU.FT.				
SHOTBLASTING BRIDGE DECK	163.3 SQ. YDS.			1.0	0.1					DRTH CAROLINA	
CLASS II SURFACE PREPARATION	3.0 SQ. YDS.							ULFAR			TUN
CONCRETE DECK REPAIR FOR PC OVERLAY	3.0 SQ. YDS.										
POLYMER CONCRETE MATERIALS	6.8 CU.YDS.						TH CARO				
PLACING AND FINISHING PC OVERLAY	163.3 SQ. YDS.						OP FESSION N			F SPANS	
GROOVING BRIDGE FLOOR	1312.5 SQ.FT.					4	SEAL				,
FOAM JOINT SEAL	33.2 LIN.FT.					Į	036214		SPA	N Z	
							TO CONEF				
						Kare	n M Mabley 11/18/2021		REVISIONS		SHEET NO.
								NO. BY:		BY: DATE:	NO . 52-36
					R Engineering, Inc. of the (ayetteville St., Suite 900 Raleigh, .B.E.L.S. License Number	Carolinas N.C. 27601			3		TOTAL SHEETS
				N.C.	B.E.L.S. License Number	r: F-0116 DOCL UNLES	JMENT NOT CONSIDERED FINAL SS ALL SIGNATURES COMPLETE	D 2	4		SHEETS 97

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CHK BY:	K.MOBLEY	DATE :	01/19



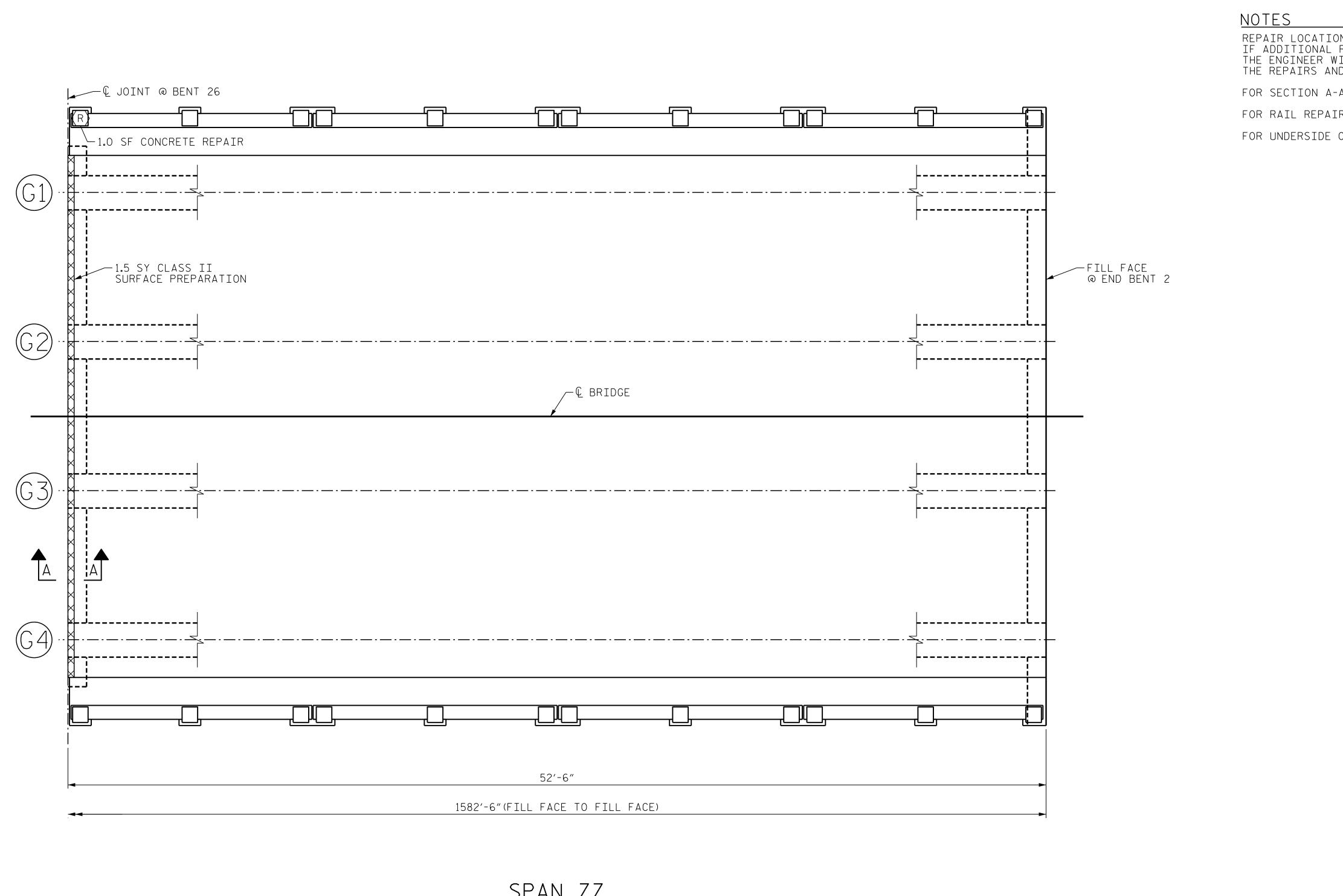
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SHOTCRETE REPAIR AREA

CLASS II SURFACE PREPARATION

GIRDER NUMBER (1)

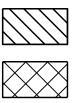


UNDERSID	E OF DE ESTI		ACT	1141
	AREA	VOLUME	AREA	VOLUN
	SQ. FT.	CU.FT.	SQ.FT.	CU. F
UNDERSIDE OF DECK	0.0	0.0		
OVERHANG	0.0	0.0		

<u>Span ZZ</u>						PROJECT NO	15BPR.38
AS-BUILT REPAIR C	UJANTTTY TABLE		RAIL REPA	IRS		ANSON	COUNTY 030078
TOP OF DECK			ESTIM			BRIDGE NO:	030018
	ESTIMATE ACTUA	L CONCRETE REPAIF	RS AREA SQ.FT.	VOLUME AREA CU.FT. SQ.FT.	VOLUME CU.FT.	SHEET 27 OF 27	
SCARIFYING BRIDGE DECK	163.3 SQ. YDS.	RAIL	1.0	0.2		STATE OF N	ORTH CAROLINA
SHOTBLASTING BRIDGE DECK	163.3 SQ.YDS.						TRANSPORTATION
CLASS II SURFACE PREPARATION	1.5 SQ. YDS.						LEIGH
CONCRETE DECK REPAIR FOR PC OVERLAY	1.5 SQ. YDS.						
POLYMER CONCRETE MATERIALS	6.8 CU.YDS.				JULIN TH CARO		
PLACING AND FINISHING PC OVERLAY	163.3 SQ. YDS.				NUT OFESSION T		F SPANS
GROOVING BRIDGE FLOOR	1312.5 SQ.FT.				SEAL		
FOAM JOINT SEAL	O.O LIN.FT.				036214	SPA SPA	N ZZ
					TANK MCINEER.		
				Ка	ren M Mobley 11/18/2021	REVISIONS	SHEET NO.
				ngineering. Inc. of the Carolinas		NO. BY: DATE: NO.	
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REPAIR LOCATIONS AND ESTIMATED 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. FOR SECTION A-A, SEE ``FOAM JOINT DETAILS' SHEET. FOR RAIL REPAIRS, SEE ``RAIL REPAIR DETAILS' SHEET. FOR UNDERSIDE OF DECK REPAIRS, SEE ``OVERHANG, GIRDER AND DIAPHRAGM REPAIR DETAILS' SHEET.

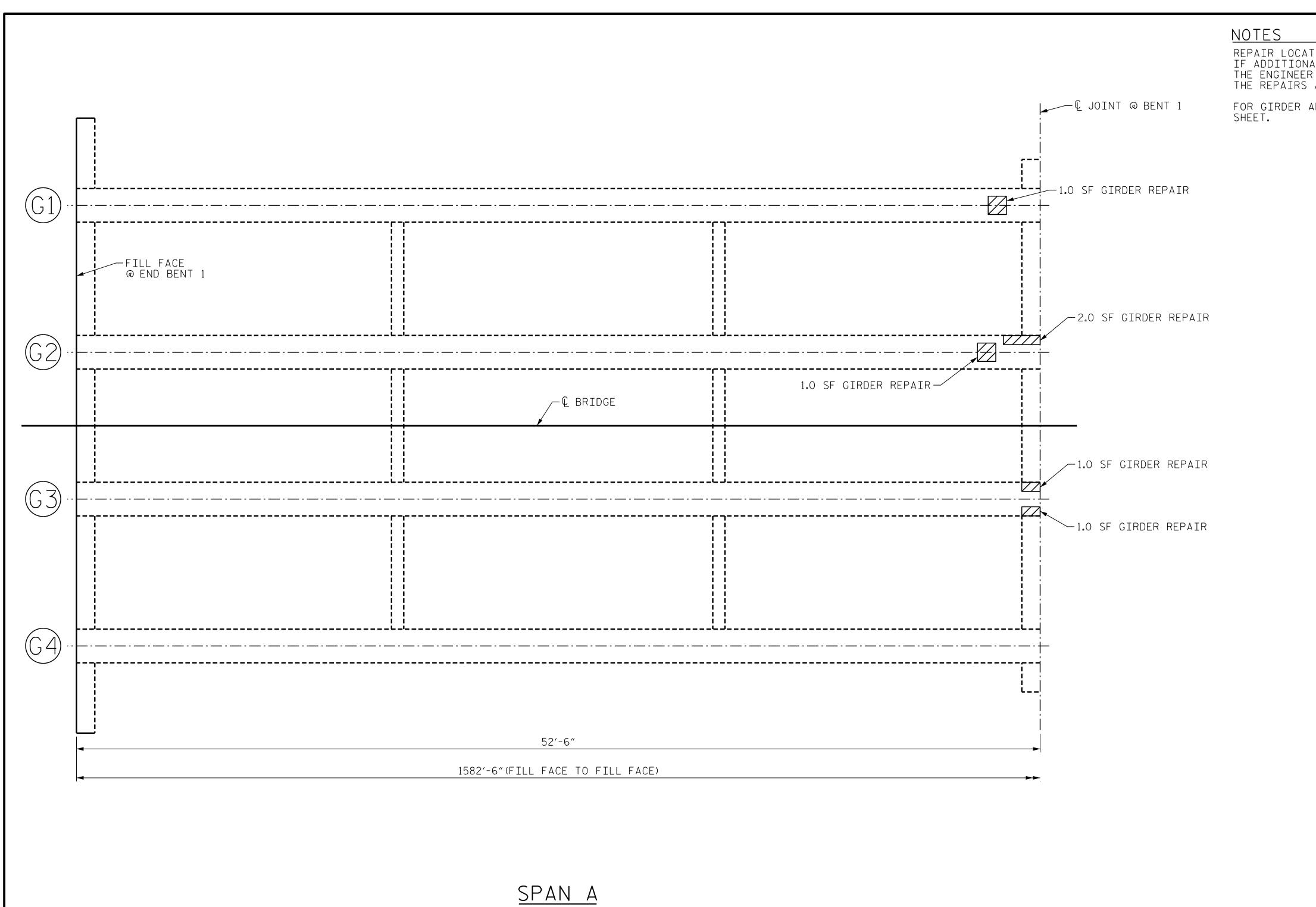


SHOTCRETE REPAIR AREA

CLASS II SURFACE PREPARATION

GIRDER NUMBER (1)

RAIL REPAIR AREA $\langle R \rangle$



DIAPHRAGM REPAIRS						
ESTIMATE ACTUAL						
	AREA	VOLUME	AREA	VOLUME		
	SQ.FT. CU.FT. SQ.FT. CU.FT.					
BENT DIAPHRAGM 0.0 0.0						

GIRDER REPAIRS					
	ESTIMATE ACTUAL				
	AREA	VOLUME	AREA	VOLUME	
	SQ.FT. CU.FT. SQ.FT. CU.FT.				
GIRDER 6.0 1.0					

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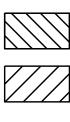
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DWG BY:	D.CURTIS	_ DATE :	01/19
CHK BY:	K.MOBLEY	_ DATE :	01/19



REPAIR LOCATIONS AND ESTIMATED 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. FOR GIRDER AND DIAPHRAGM REPAIRS,SEE ``OVERHANG,GIRDER AND DIAPHRAGM REPAIR DETAILS'' SHEET.

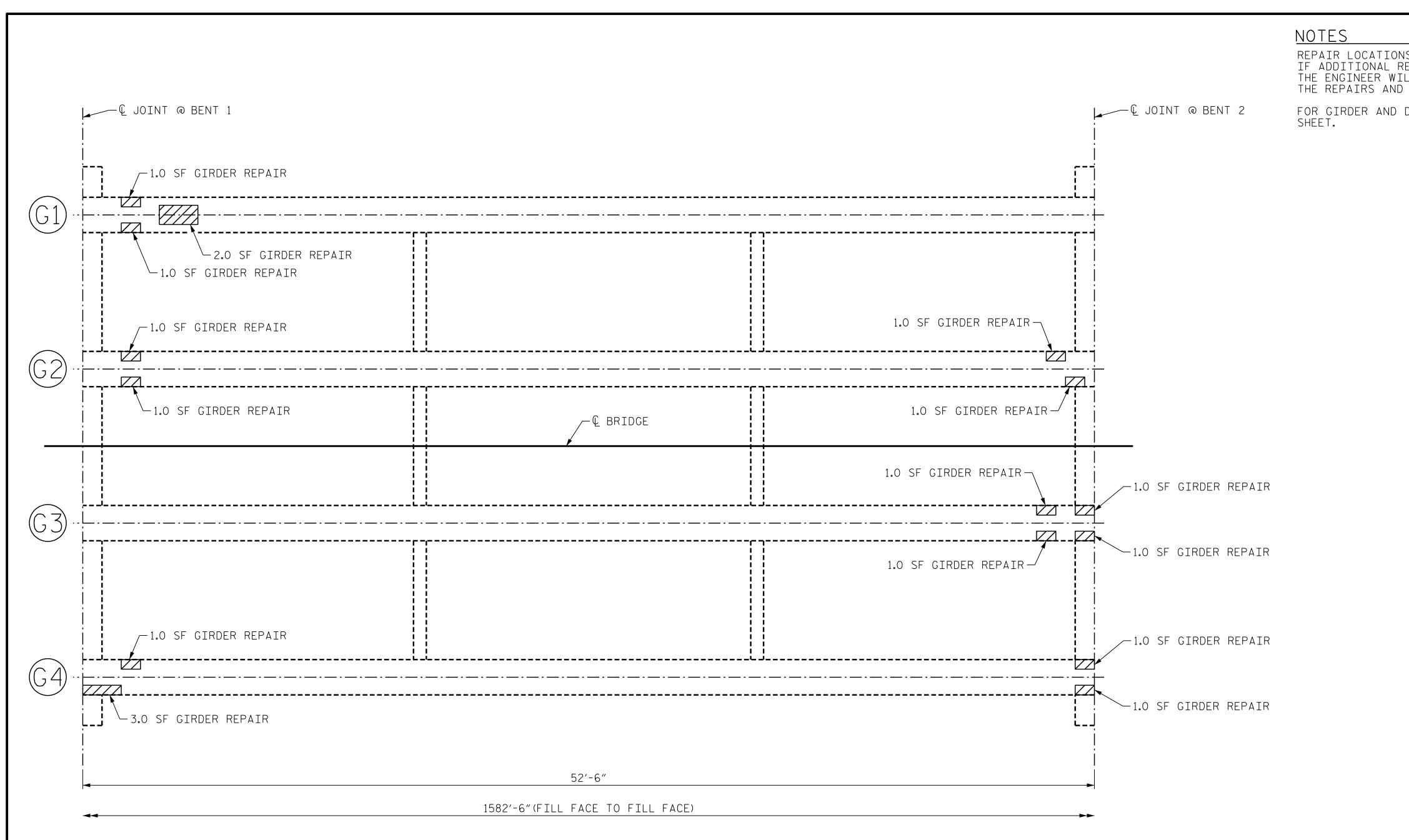


SHOTCRETE REPAIR AREA GIRDER REPAIR AREA



	PROJEC BRIDGE	ANSC E NO:_)N		CO	<u>3</u> UNTY
PTH CAROLAN	DEPA	RTMENT	OF _{RAL}	LEIGH	NSPORTA PLAN	TION
SEAL 036214 TANKONEER N. MOBULAN Kasen M Mobley 11/18/2021		S		AN .		SHEE T
, , -,	NO. BY:	DATE:		BY:	DATE:	NO . S2-38
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<u>SPAN B</u>

DIAPHRAGM REPAIRS					
	ESTIMATE ACTUAL				
	AREA VOLUME		AREA	VOLUME	
	SQ.FT.	CU.FT.	SQ.FT.	CU.FT.	
BENT DIAPHRAGM 0.0 0.0					

GIRDER REPAIRS						
	ESTIMATE ACTUAL					
	AREA	VOLUME	AREA	VOLUME		
	SQ.FT. CU.FT. SQ.FT. CU.FT					
GIRDER 18.0 3.2						

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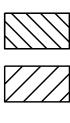
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DWG BY:	D.CURTIS	DATE :	01/19
CHK BY:	K.MOBLEY	DATE :	01/19

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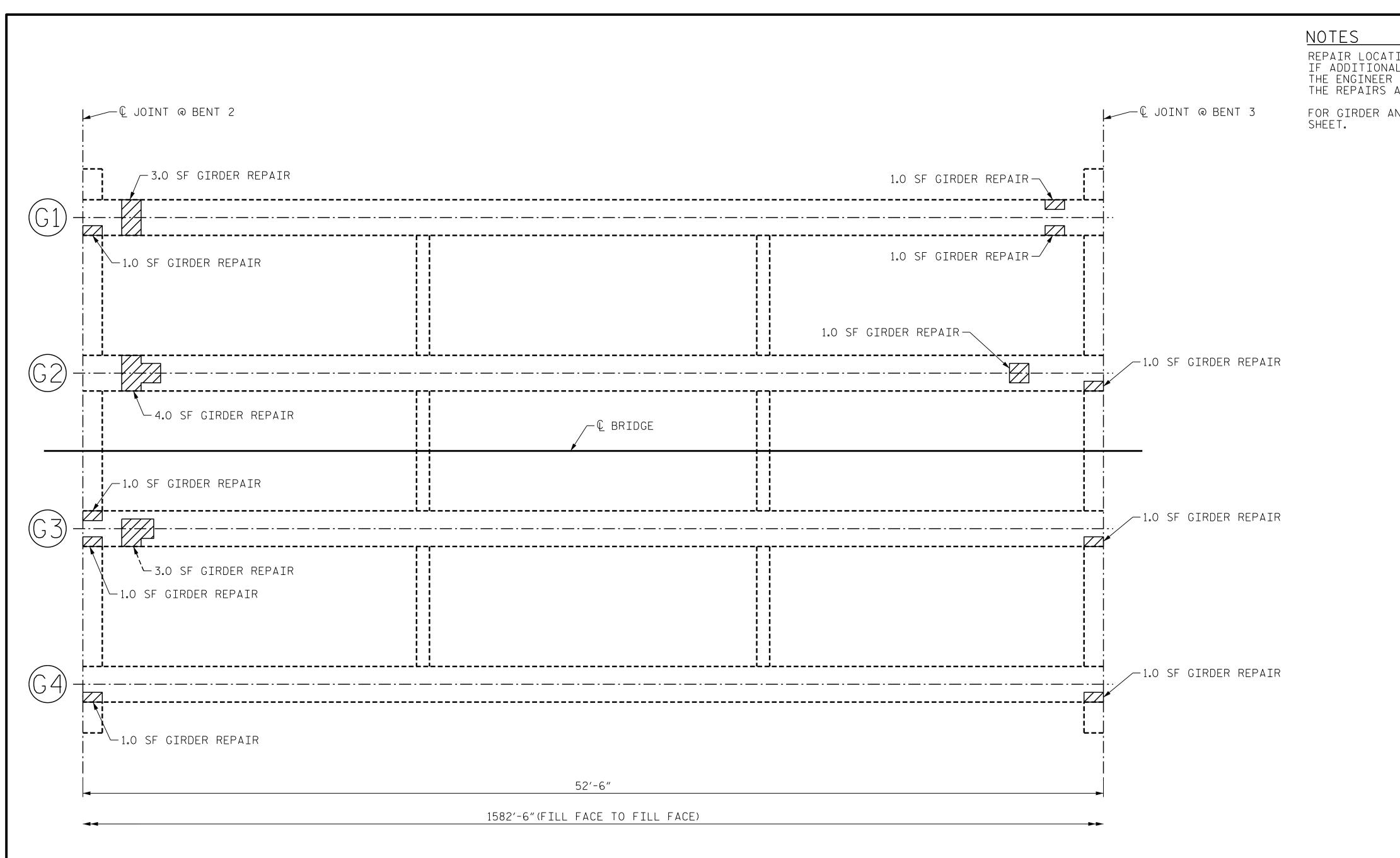
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SHOTCRETE REPAIR AREA GIRDER REPAIR AREA



	PROJEC BRIDGE	ANSC E NO:_	<u>)</u> N			<u>}</u> UNTY
	DEPA		OF	NORTH CARG F TRAN RALEIGH	NSPORTA	TION
PROFESSION F. F. SEAL 036214		FRAN S		NG AN		
Karen M Mobley 11/18/2021		REVIS				SHEET NO.
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<u>SPAN C</u>

DIAPHRAGM REPAIRS							
	ESTIMATE ACTUAL						
	AREA	VOLUME	AREA	VOLUME			
	SQ.FT.	CU.FT.	SQ.FT.	CU.FT.			
BENT DIAPHRAGM	0.0	0.0					

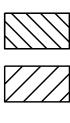
GIRDER REPAIRS						
	ESTIMATE ACTUAL					
	AREA	VOLUME	AREA	VOLUME		
	SQ.FT. CU.FT.		SQ.FT.	CU.FT.		
GIRDER	20.0	2.1				

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DWG BY:	D.CURTIS	DATE :	01/19
СНК ВҮ:	K.MOBLEY	DATE :	01/19



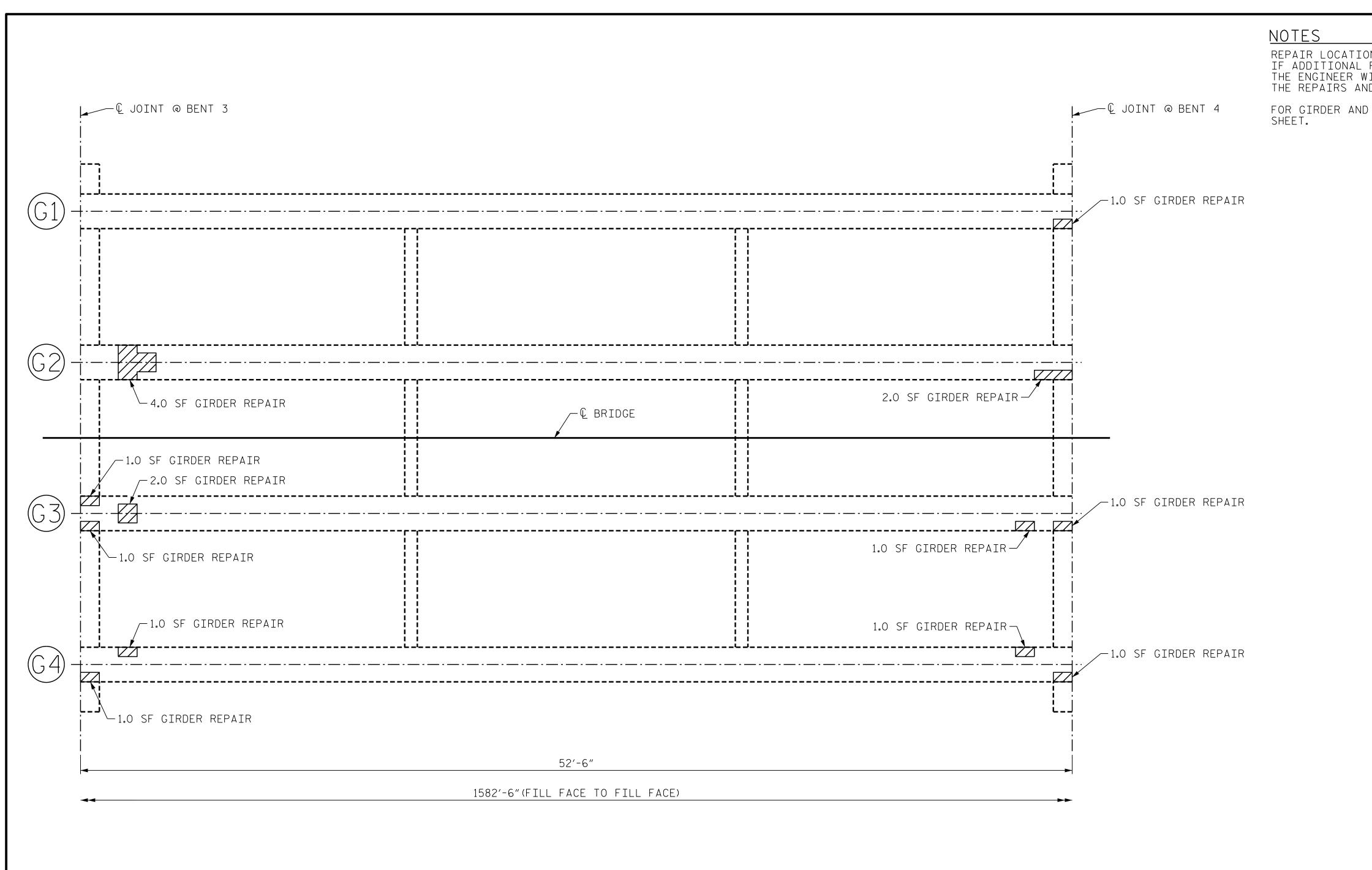
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SHOTCRETE REPAIR AREA GIRDER REPAIR AREA



	PROJEC	ANSC)N	<u>15BPR.38</u> CO <u>30078</u>	3 OUNTY
	SHEET 3 O	F 27			
	DEPA		e of north ca OF TRA raleigh	AROLINA ANSPORTA	TION
PROFESSION TO SEAL 036214			IING PAN	PLAN C	
Karen M Mobley 11/18/2021		REVIS	IONS		SHEET NO .
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<u>SPAN D</u>

DIAPHRAGM REPAIRS						
	ESTIMATE ACTUAL					
	AREA	VOLUME	AREA	VOLUME		
	SQ.FT.	CU.FT.	SQ.FT.	CU.FT.		
BENT DIAPHRAGM	0.0	0.0				

GIRDER REPAIRS						
	ESTIMATE ACTUAL					
	AREA	VOLUME	AREA	VOLUME		
	SQ.FT. CU.FT.		SQ.FT.	CU.FT.		
GIRDER	17.0	2.5				

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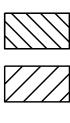
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CHK BY:	K.MOBLEY	DATE :	01/19

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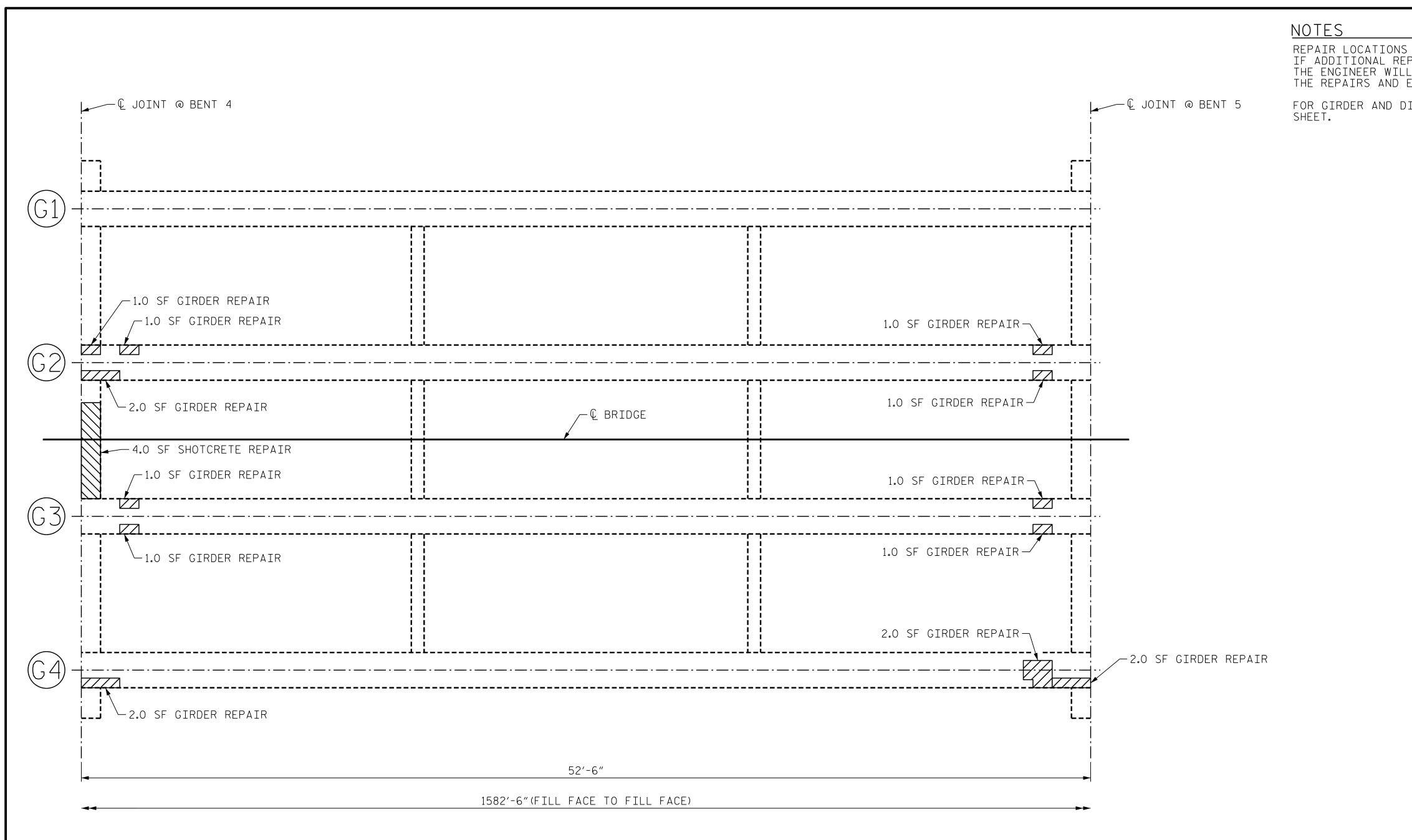


SHOTCRETE REPAIR AREA GIRDER REPAIR AREA



	PROJEC	ANSC)N		5BPR.38 CO 0078	3 UNTY
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OR THE CARO OR THE CARO OR OF ESSION IN SEAL 036214 TRACK M. NOBLE		FRAN S		NG AN I		
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<u>SPAN E</u>

DIAPHRAGM REPAIRS						
	ESTIMATE ACTUAL					
	AREA	VOLUME	AREA	VOLUME		
	SQ.FT.	CU.FT.	SQ.FT.	CU.FT.		
BENT DIAPHRAGM	4.0	2.7				

GIRDER REPAIRS							
ESTIMATE ACTUAL							
	AREA	VOLUME	AREA	VOLUME			
	SQ.FT.	CU.FT.	SQ.FT.	CU.FT.			
GIRDER	16.0 2.6						

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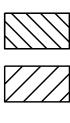
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СНК ВҮ:	K.MOBLEY	DATE :	01/19



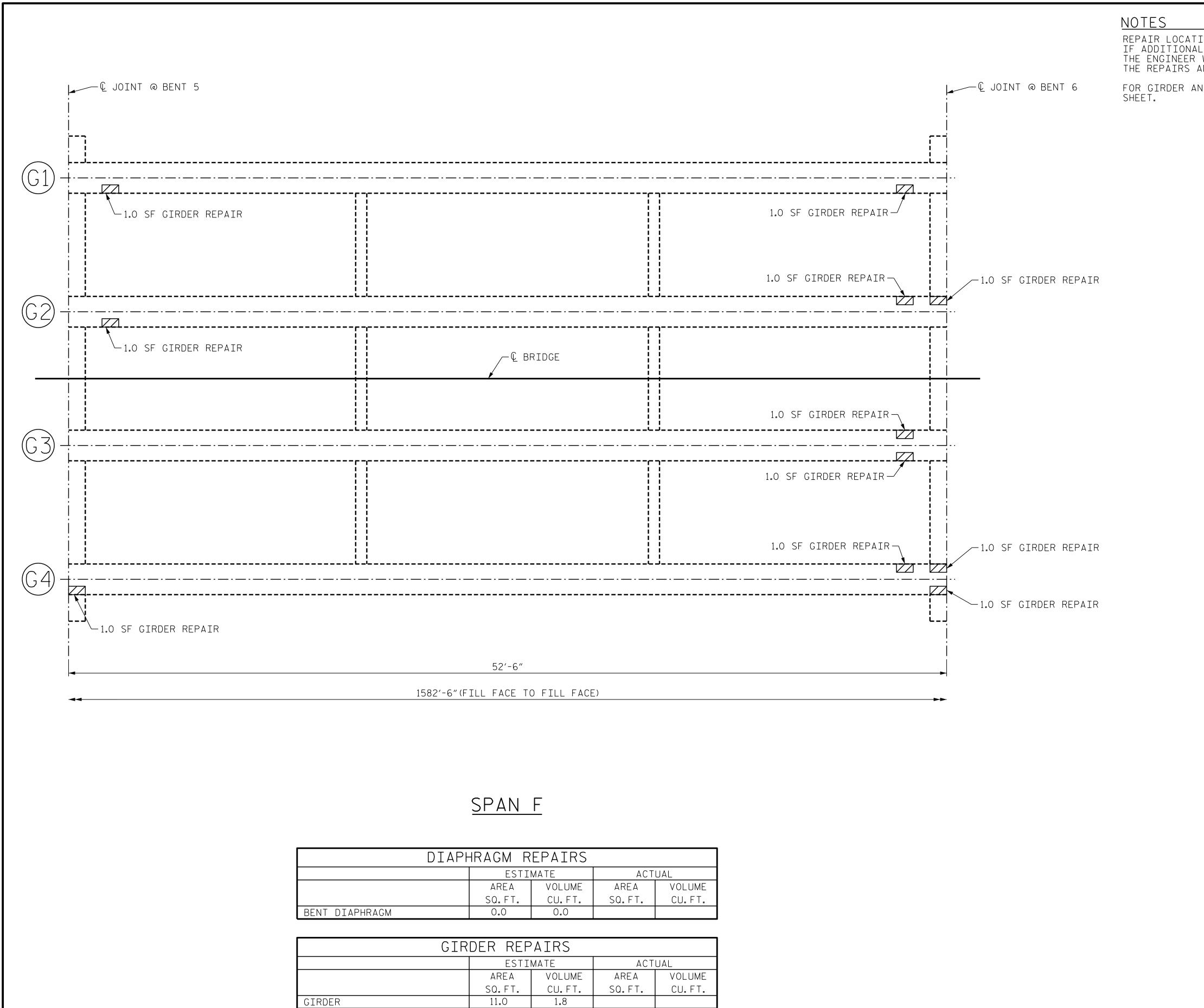
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SHOTCRETE REPAIR AREA GIRDER REPAIR AREA



	PROJEC	T NO. ANSC		15	5 <u>BPR.38</u> C0	3 UNTY
	BRIDGE	NO:_		03	0078	
	SHEET 5 OF	27				
	DEPAI		e of nof OF Rale	TRAN	NSPORTA	TION
PROFESSION BEAL 036214 TPR: MCINEER. 61		FRAN S	1IN 5Pa			
Karen M Mobley 11/18/2021		REVIS				SHEET NO.
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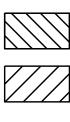
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٢S		
	ACT	UAL
1E	AREA	VOLUME
Γ.	SQ.FT.	CU.FT.

	ACT	UAL
1E	AREA	VOLUME
Γ.	SQ.FT.	CU.FT.



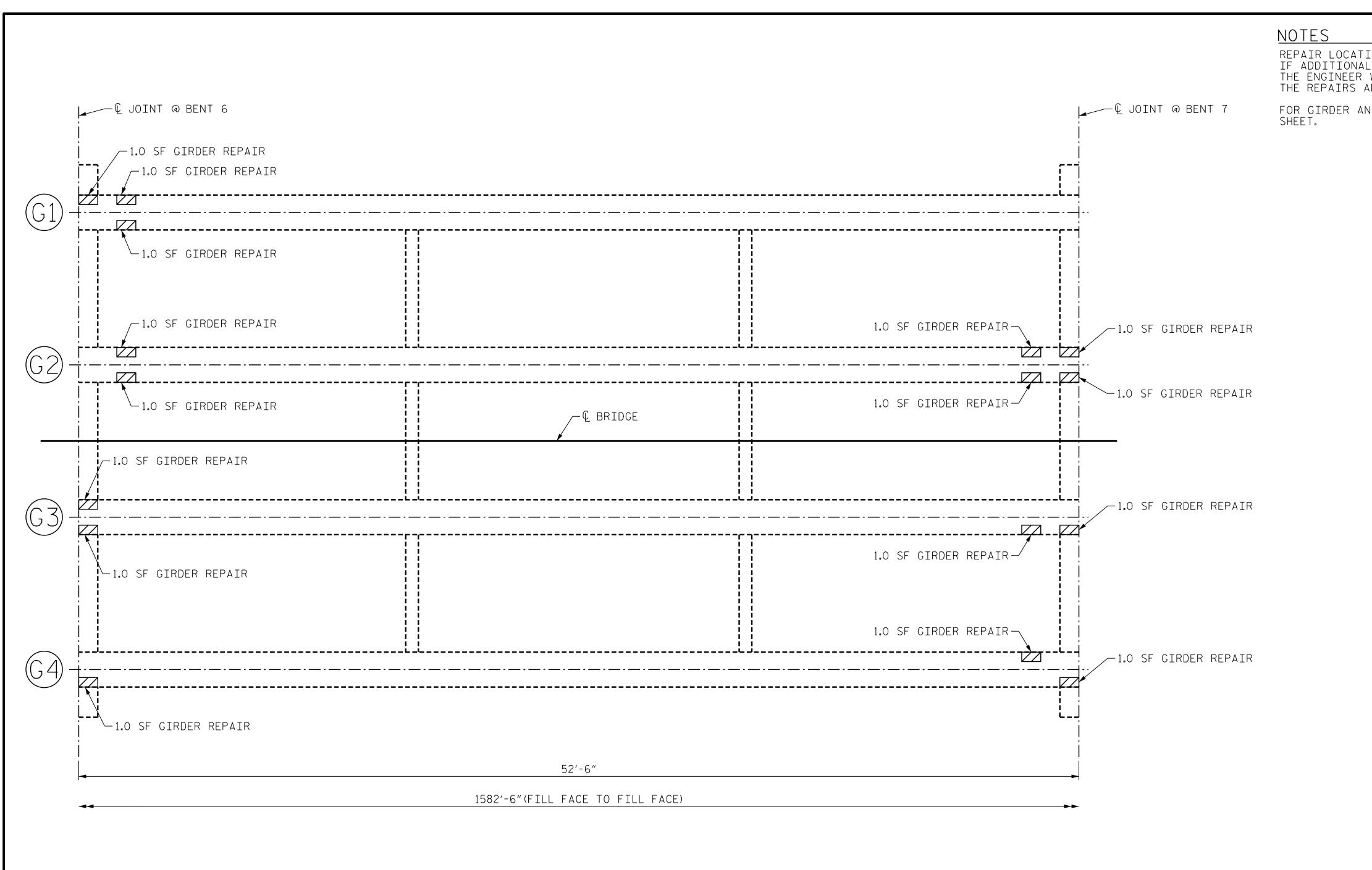
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SHOTCRETE REPAIR AREA GIRDER REPAIR AREA



	PROJEC	T NO. Ansc		15BPR.38	3 UNTY
	BRIDGE	E NO:	0	30078	
	SHEET 6 OI	F 27			
	DEPA		e of North CA OF TRA RALEIGH	AROLINA ANSPORTA	TION
PROFESSION IN SEAL 036214			IING Span	PLAN F	
Karen M Mobley 11/18/2021		REVIS	STONS		SHEET
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<u>SPAN G</u>

DIAPHRAGM REPAIRS							
ESTIMATE ACTUAL							
	AREA VOLUME		AREA	VOLUME			
	SQ.FT.	CU.FT.	SQ.FT.	CU.FT.			
BENT DIAPHRAGM	0.0	0.0					

GIRDER REPAIRS							
ESTIMATE ACTUAL							
	AREA	VOLUME	AREA	VOLUME			
	SQ.FT.	CU.FT.	SQ.FT.	CU.FT.			
GIRDER	16.0 2.7						

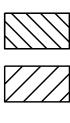
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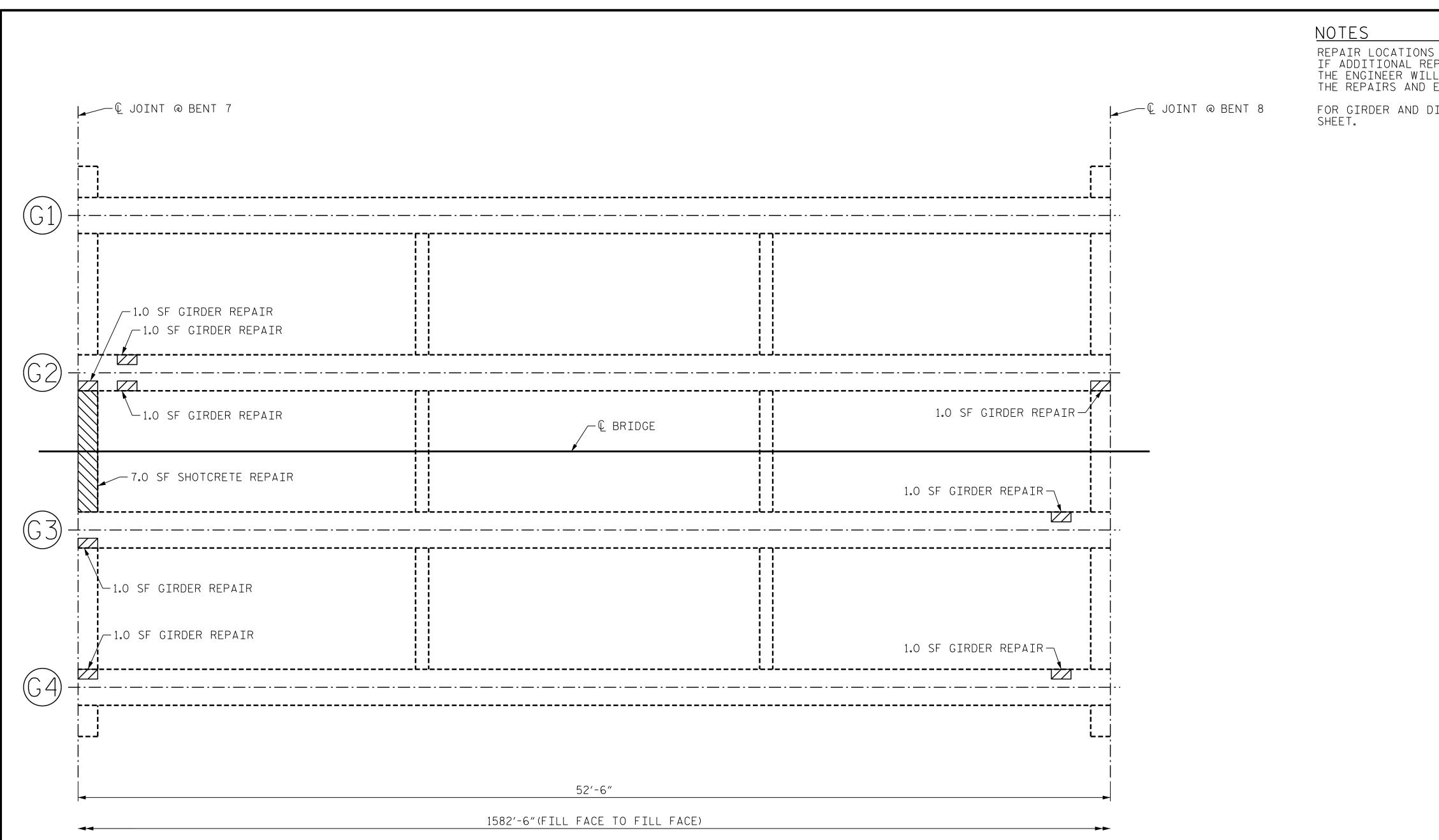
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SHOTCRETE REPAIR AREA GIRDER REPAIR AREA



	PROJEC BRIDGE	ANSC E NO:	<u>)</u> N			<u>}</u> UNTY
	DEPA		OF	NORTH CARG F TRAN RALEIGH	NSPORTA	TION
RTH CARO RTH CARO SEAL 036214 TPD: VGINEER. H M. MOBLE		FRAN S		NG AN		
Karen M Mobley 11/18/2021		REVIS				SHEET NO.
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<u>SPAN H</u>

DIAPHRAGM REPAIRS							
ESTIMATE ACTUAL							
	AREA VOLUME		AREA	VOLUME			
	SQ.FT.	CU.FT.	SQ.FT.	CU.FT.			
BENT DIAPHRAGM 7.0 2.2							

GIRDER REPAIRS					
	ESTIMATE ACTUAL				
	AREA VOLUME		AREA	VOLUME	
	SQ.FT.	CU.FT.	SQ.FT.	CU.FT.	
GIRDER 8.0 1.1					

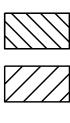
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DWG BY:	D.CURTIS	DATE :	01/19
CHK BY:	K.MOBLEY	DATE :	01/19

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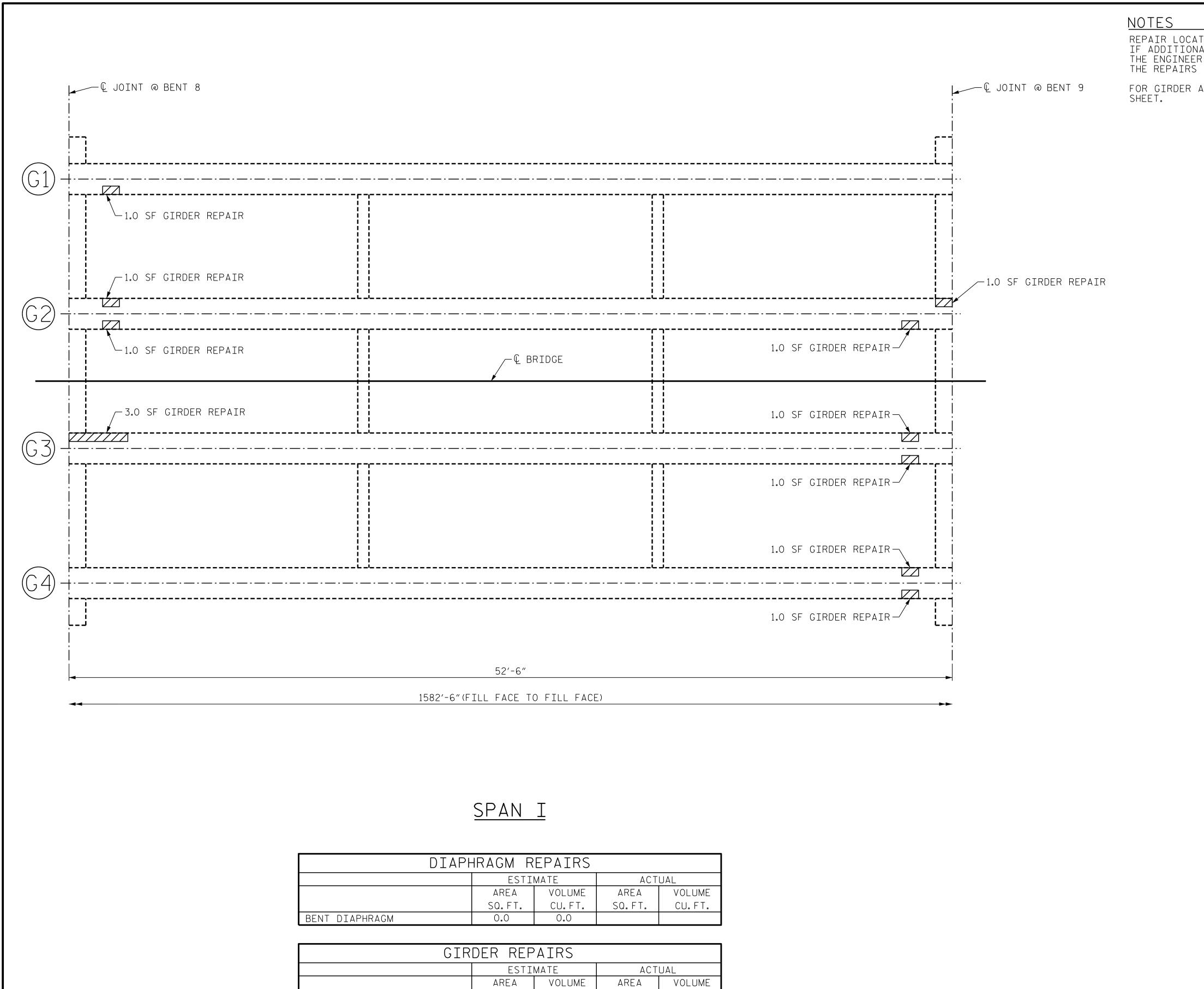
REPAIR LOCATIONS AND ESTIMATED QUANTITIES ARE BASED ON THE BEST INFORMATION AVAILABLE. IF ADDITIONAL REPAIRS NOT SHOWN ON THE DRAWINGS ARE DEEMED NECESSARY BY THE ENGINEER, THE ENGINEER WILL NOTE ON THE DRAWINGS THE APPROXIMATE LOCATIONS AND DESCRIPTION OF THE REPAIRS AND ENTER THE ACTUAL QUANTITIES INTO THE AS-BUILT REPAIR QUANTITY TABLE. FOR GIRDER AND DIAPHRAGM REPAIRS, SEE ``OVERHANG, GIRDER AND DIAPHRAGM REPAIR DETAILS'' SHEET.



SHOTCRETE REPAIR AREA GIRDER REPAIR AREA



	PROJEC BRIDGE	ANSC E NO:)N			BUNTY
	SHEET 8 0	F 27				
	DEPA		OF	NORTH CARG	NSPORTA	TION
RTH CARO, RTH CARO, PROFESSION, SEAL 036214 TTD: NGINEER. M. MOBULUM		FRAN S		NG AN		
Karen M Mobley 11/18/2021		REVIS	SION	S		SHEET NO.
	NO. BY:	DATE:	N0.	BY :	DATE:	S2-45
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CHK BY:	K.MOBLEY	DATE :	01/19

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1E	AREA	VOLUME
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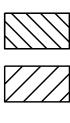
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GIRDER



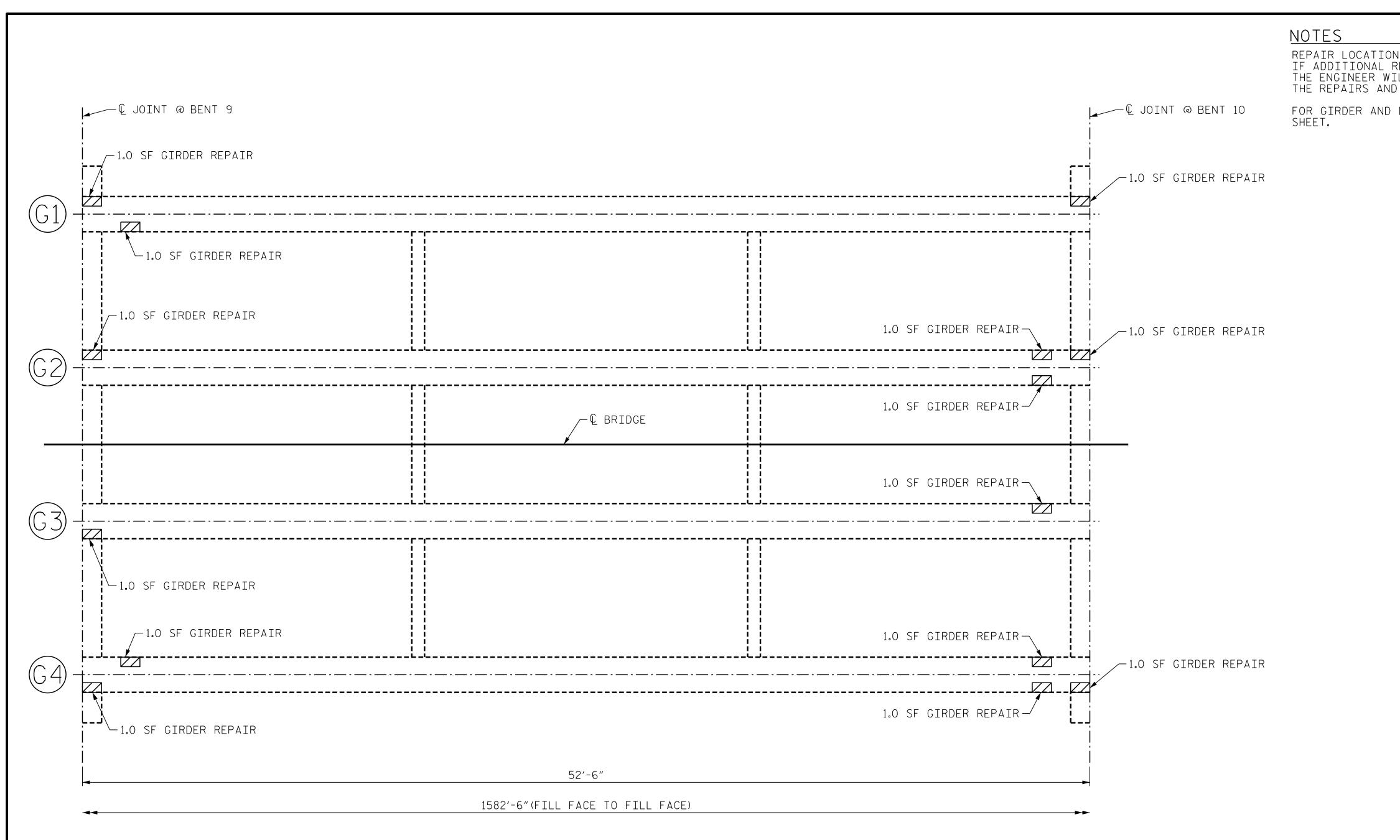
REPAIR LOCATIONS AND ESTIMATED QUANTITIES ARE BASED ON THE BEST INFORMATION AVAILABLE. IF ADDITIONAL REPAIRS NOT SHOWN ON THE DRAWINGS ARE DEEMED NECESSARY BY THE ENGINEER, THE ENGINEER WILL NOTE ON THE DRAWINGS THE APPROXIMATE LOCATIONS AND DESCRIPTION OF THE REPAIRS AND ENTER THE ACTUAL QUANTITIES INTO THE AS-BUILT REPAIR QUANTITY TABLE. FOR GIRDER AND DIAPHRAGM REPAIRS, SEE ``OVERHANG, GIRDER AND DIAPHRAGM REPAIR DETAILS'' SHEET.



SHOTCRETE REPAIR AREA GIRDER REPAIR AREA



	PROJEC BRIDGE	ANSC E NO:	<u>)</u> N		5BPR.38 CO 30078	<u>}</u> UNTY
	DEPA		0	NORTH CARG F TRAN RALEIGH	OLINA NSPORTA	TION
PROFESSION BEAL 036214 TPR: MCINEER. 61		FRAN S		NG AN		
Karen M Mobley 11/18/2021		REVIS				SHEET NO .
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<u>SPAN J</u>

DIAPHRAGM REPAIRS					
ESTIMATE ACTUAL					
	AREA VOLUME		AREA	VOLUME	
	SQ.FT.	SQ.FT.	CU.FT.		
BENT DIAPHRAGM 0.0 0.0					

GIRDER REPAIRS				
ESTIMATE ACTUAL				
	AREA VOLUME		AREA	VOLUME
	SQ.FT.	CU.FT.	SQ.FT.	CU.FT.
GIRDER 14.0 2.8				

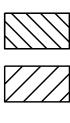
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DWG BY:	D.CURTIS	DATE :	01/19
CHK BY:	K.MOBLEY	DATE :	01/19



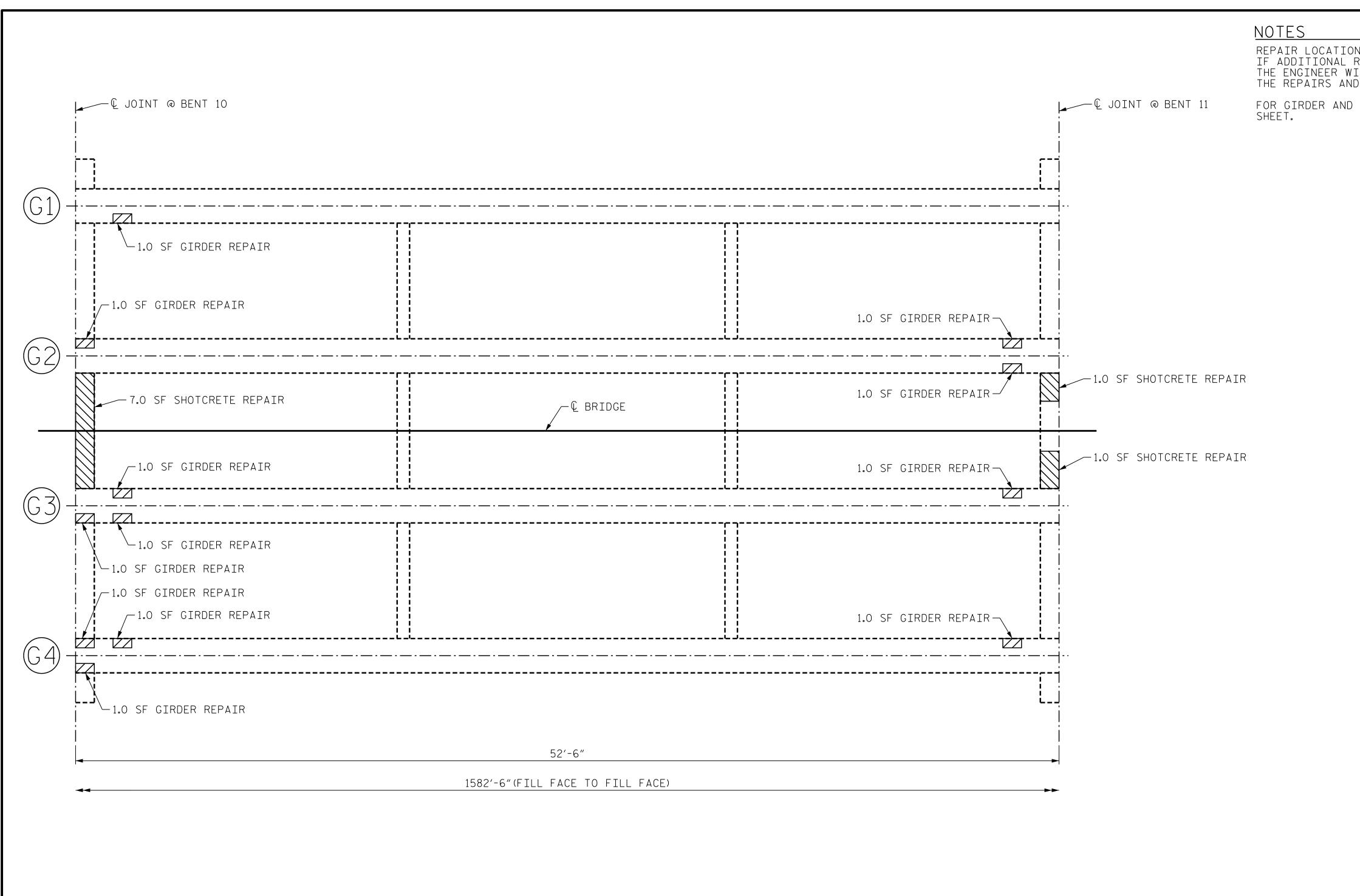
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SHOTCRETE REPAIR AREA GIRDER REPAIR AREA



	PROJEC				
		ANSC	<u>)N</u>	CO	UNTY
	BRIDGE	NO:	0	30078	
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NOR OF ESSION H SEAL 036214 WGINEER H WM. MOB			IING Span	PLAN J	
Kasen M Mobley 11/18/2021		REVIS	IONS		SHEET NO.
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<u>SPAN K</u>

DIAPHRAGM REPAIRS						
ESTIMATE ACTUAL						
	AREA	VOLUME	AREA	VOLUME		
	SQ.FT.	CU.FT.	SQ.FT.	CU.FT.		
BENT DIAPHRAGM	9.0	2.6				

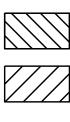
GIRDER REPAIRS					
ESTIMATE ACTUAL					
	AREA	VOLUME	AREA	VOLUME	
	SQ.FT.	CU.FT.	SQ.FT.	CU.FT.	
GIRDER	12.0	1.7			

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K.MOBLEY	DATE :	01/19
	D.CURTIS K.MOBLEY	DAIE :



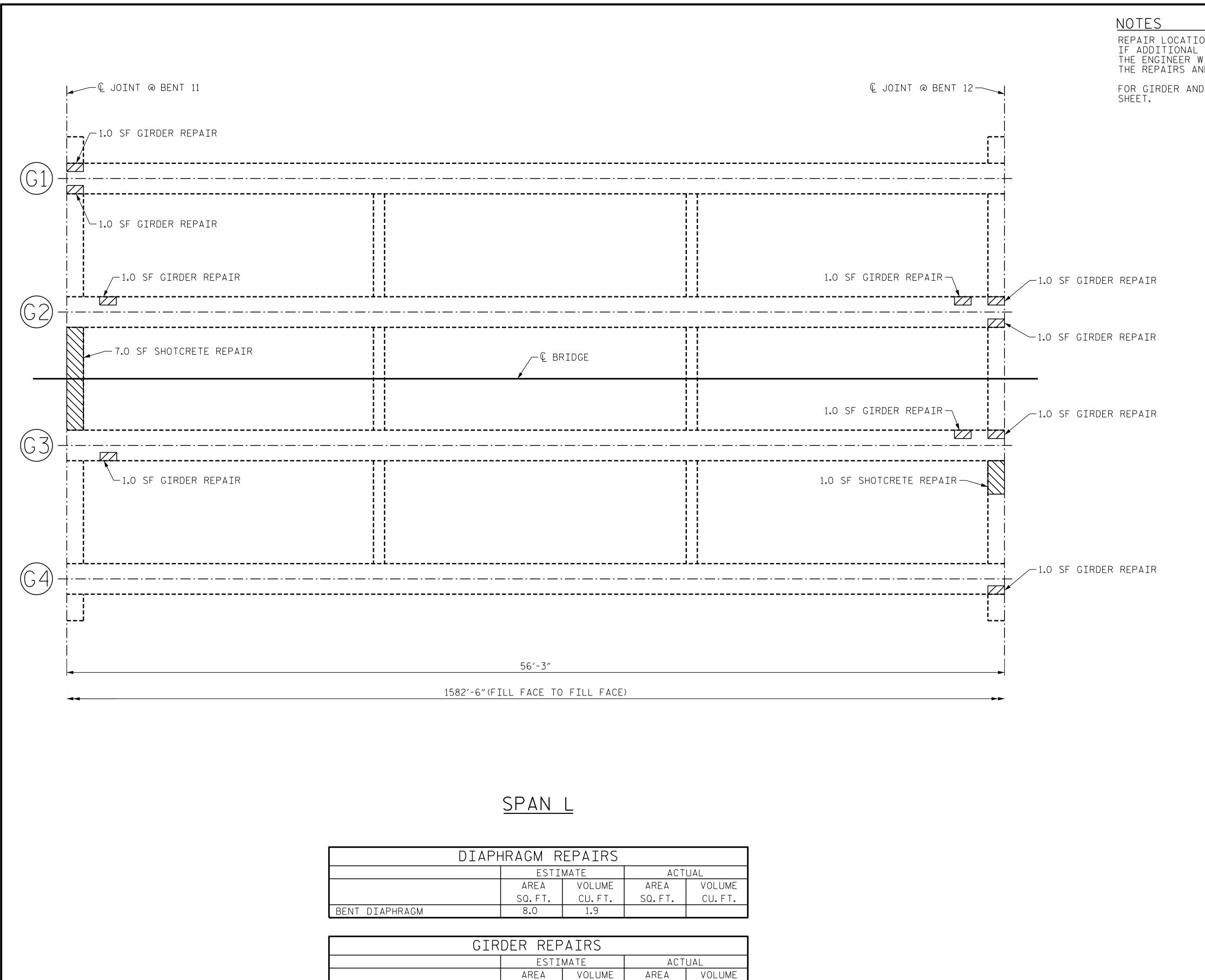
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SHOTCRETE REPAIR AREA GIRDER REPAIR AREA



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PROFESSION F		· · · · ·	IING Span	PLAN K	
Kasen M Mobley 11/18/2021		REVIS	SIONS		SHEET NO.
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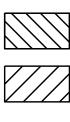
GIRDER

PAIRS		
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VOLUME	AREA	VOLUME
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AIRS		
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VOLUME	AREA	VOLUME
CU.FT.	SQ.FT.	CU.FT.
1.5		



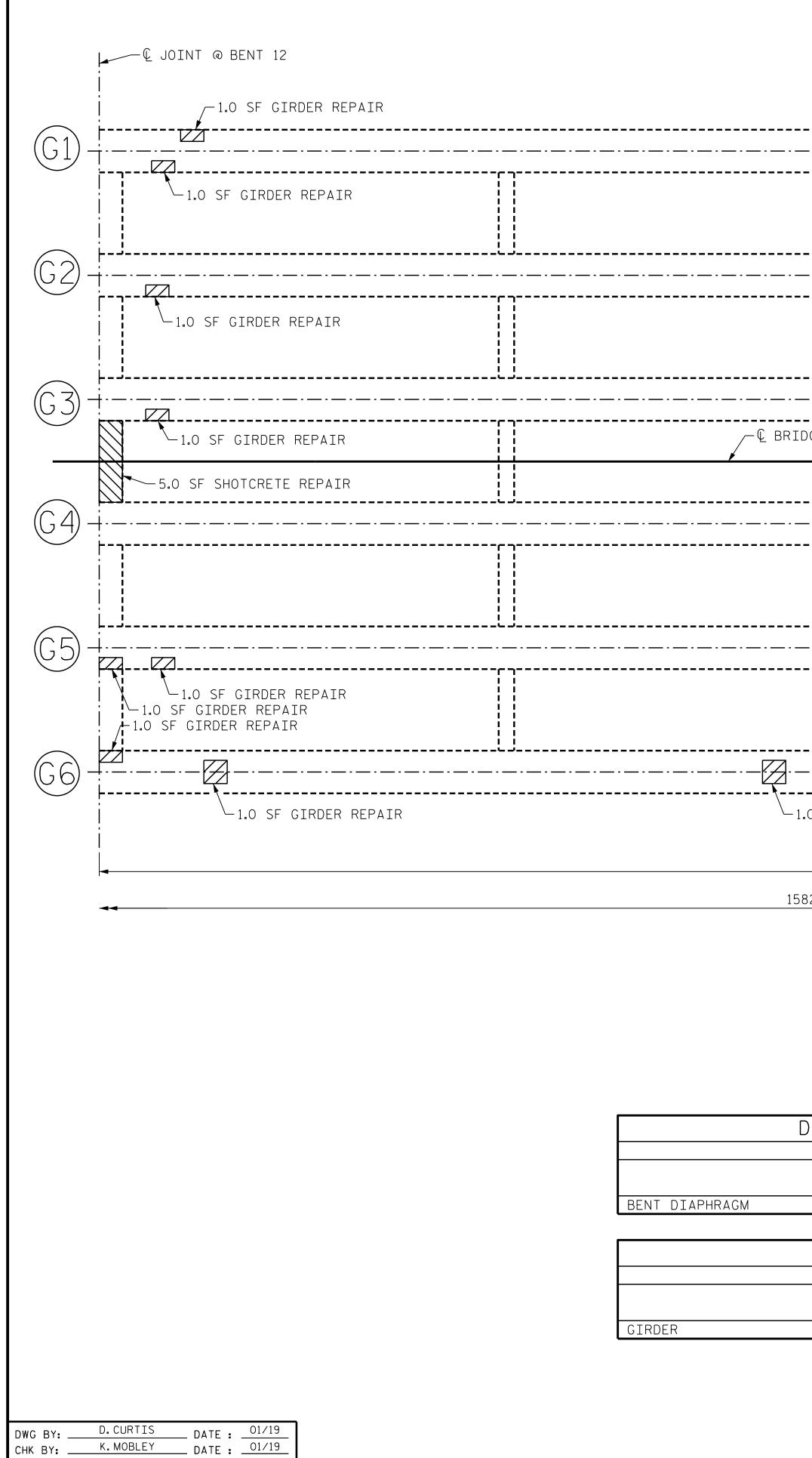
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SHOTCRETE REPAIR AREA GIRDER REPAIR AREA



	PROJEC				
		ANSC	<u>N</u>	CO	UNTY
	BRIDGE	NO:	0	30078	
	SHEET 12 OF	27			
	DEPAR		E OF NORTH CA OF TRA RALEIGH	NSPORTA	TION
SEAL 036214 WM. MOBULER. 11/18/2021			IING Pan	PLAN L	
Kasen M Mobley 11/18/2021		REVIS	IONS		SHEET NO.
	NO. BY:	DATE:	NO. BY:	DATE:	S2-49 TOTAL
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O SF GIRDER REPAIR	

70'-0"

1582'-6"(FILL FACE TO FILL FACE)

<u>SPAN M</u>

DIAPHRAGM REPAIRS						
ESTIMATE ACTUAL						
	AREA	VOLUME	AREA	VOLUME		
	SQ.FT.	CU.FT.	SQ.FT.	CU.FT.		
	5.0	1.9				

GIRDER REPAIRS				
	ESTI	MATE	ACT	UAL
	AREA	VOLUME	AREA	VOLUME
	SQ.FT.	CU.FT.	SQ.FT.	CU.FT.
	20.0	2.8		

NOTES

REPAIR LOCATIONS AND ESTIMATED 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.

FOR GIRDER AND DIAPHRAGM REPAIRS, SEE ``OVERHANG, GIRDER AND DIAPHRAGM REPAIR DETAILS'' SHEET.

SHOTCRETE REPAIR AREA

GIRDER REPAIR AREA

(1)

GIRDER NUMBER

	PROJEC	T NO. Ansc		<u>15BPR.38</u>	B UNTY
	BRIDGE	E NO:_	0	30078	
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Karen M Mobley 11/18/2021		REVIS	SIONS		SHEET NO.
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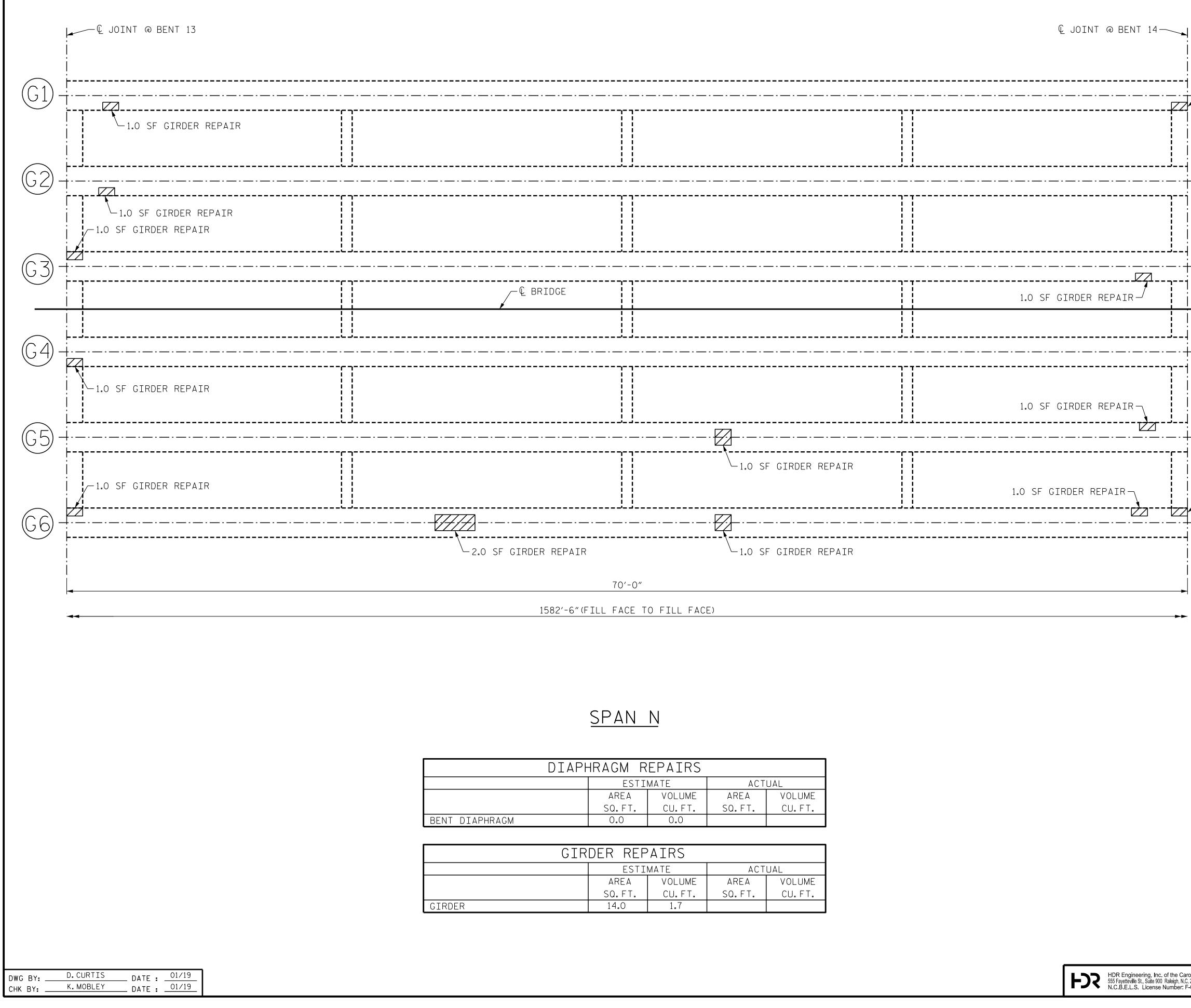
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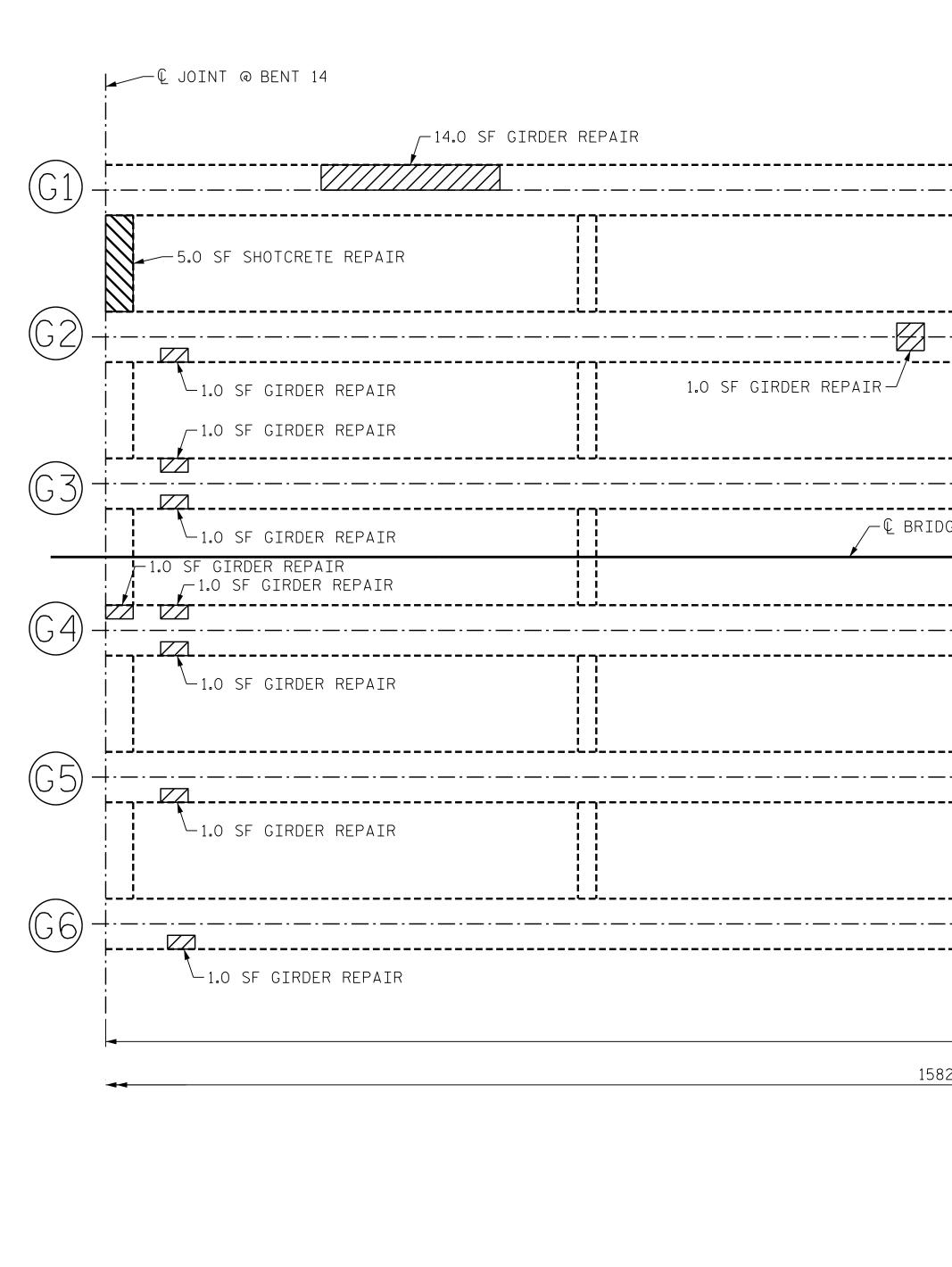
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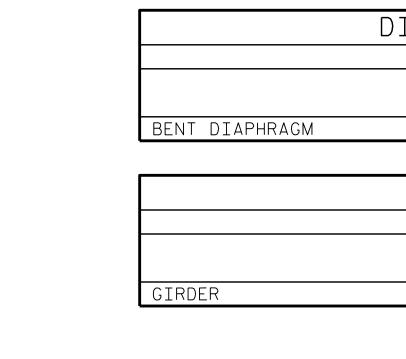


DIAPHRAGM REPAIRS				
ESTIMATE			ACT	UAL
	AREA	VOLUME	AREA	VOLUME
	SQ.FT.	CU.FT.	SQ.FT.	CU.FT.
	0.0	0.0		

GIRDER REPAIRS				
	ESTI	MATE	ACT	UAL
	AREA	VOLUME	AREA	VOLUME
	SQ.FT.	CU.FT.	SQ.FT.	CU.FT.
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	Kasen M Mobley 11/18/2021	NO. BY:	REVIS DATE:	IONS NO. BY:	DATE:	SHEET NO . S2-51
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DWG BY:	D.CURTIS	DATE :	01/19
СНК ВУ:	K.MOBLEY	DATE :	01/19

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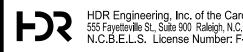
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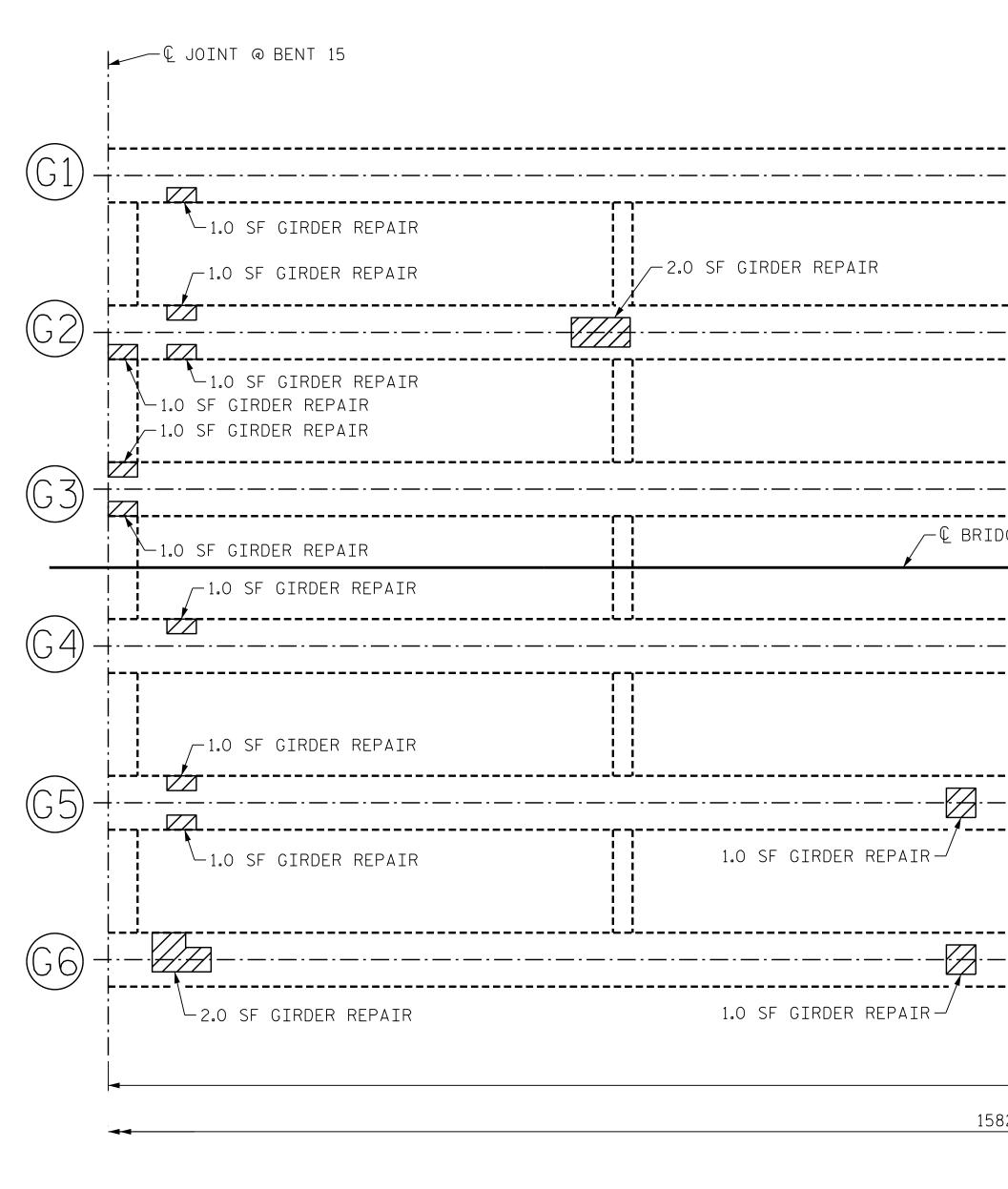
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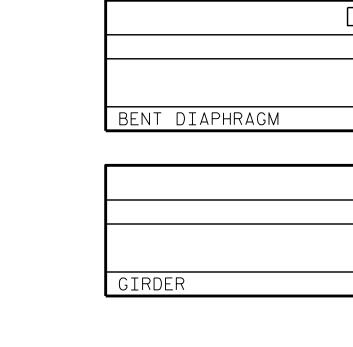
DIAPHRAGM REPAIRS				
ESTIMATE			ACT	UAL
	AREA	VOLUME	AREA	VOLUME
	SQ.FT.	CU.FT.	SQ.FT.	CU.FT.
	5.0	1.3		

GIRDER REPAIRS				
	ESTI	MATE	ACT	UAL
	AREA	VOLUME	AREA	VOLUME
	SQ.FT.	CU.FT.	SQ.FT.	CU.FT.
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				RALEIGH	NSPORTA	
	OR OFESSION T		FRAM	IING	PLAN	
	SEAL 036214			PAN		
	SEAL 036214 TTD: VGINEER VM. NOB Karen M Mobley 11/18/2021					01/55T
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	CHK BY:	K.MOBLEY

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1582'-6"(FILL FACE TO FILL FACE)

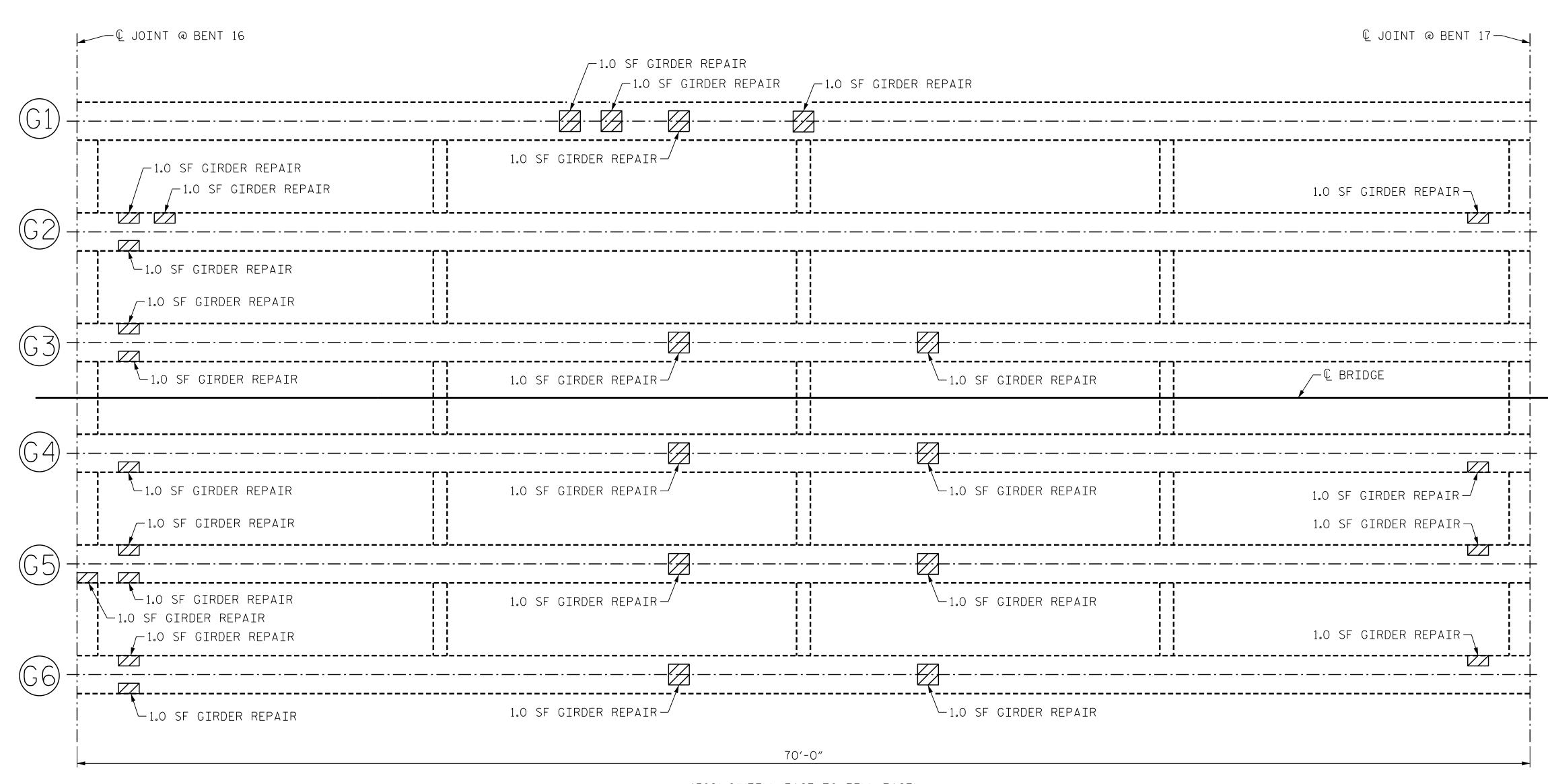
<u>SPAN P</u>

DIAPHRAGM REPAIRS					
ESTIMATE			ACT	UAL	
	AREA	VOLUME	AREA	VOLUME	
	SQ.FT.	CU.FT.	SQ.FT.	CU.FT.	
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GTRDER REPATRS				
GINDEN NEFAINS				
	ESTI	MATE	ACT	UAL
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	ND ESTIMATED QUANTITIES ARE BASED ON THE BES BLE.IF ADDITIONAL REPAIRS NOT SHOWN ON THE) NECESSARY BY THE ENGINEER,THE ENGINEER WILL
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,~−1.0 SF GIRDER REPA:	PROJECT NO. <u>15BPR.38</u> <u>ANSON</u> COUNTY BRIDGE NO: <u>030078</u>
	PROJECT NO. <u>15BPR.38</u> <u>ANSON</u> COUNTY BRIDGE NO: <u>030078</u> SHEET 16 OF 27 STATE OF NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
THE CAROLY IN THE THE CAROLY IN THE THE	PROJECT NO. <u>15BPR.38</u> <u>ANSON</u> COUNTY BRIDGE NO: <u>030078</u> SHEET 16 OF 27 STATE OF NORTH CAROLINA DEPARTMENT OF TRANSPORTATION RALEIGH
THE CAROLY IN THE SOLUTION OF	PROJECT NO. <u>15BPR.38</u> <u>ANSON</u> COUNTY BRIDGE NO: <u>030078</u> SHEET 16 OF 27 STATE OF NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
NET H CAROLY	PROJECT NO. <u>15BPR.38</u> <u>ANSON</u> COUNTY BRIDGE NO: <u>030078</u> SHEET 16 OF 27 STATE OF NORTH CAROLINA DEPARTMENT OF TRANSPORTATION RALEIGH FRAMING PLAN
	PROJECT NO. 15BPR.38 ANSON COUNTY BRIDGE NO: 030078 SHEET 16 OF 27 STATE OF NORTH CAROLINA DEPARTMENT OF TRANSPORTATION RALEIGH FRAMING PLAN SPAN P





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DWG BY:	D.CURTIS	DATE :	01/19
СНК ВҮ:	K.MOBLEY	DATE :	01/19

BENT DIAPHRAGM

GIRDER



1582'-6"(FILL FACE TO FILL FACE)

<u>SPAN Q</u>

DIAPHRAGM REPAIRS					
ESTIMATE			ACT	UAL	
	AREA	VOLUME	AREA	VOLUME	
	SQ.FT.	CU.FT.	SQ.FT.	CU.FT.	
	0.0	0.0			

GIRDER REPAIRS					
	ESTIMATE			UAL	
	AREA	VOLUME	AREA	VOLUME	
	SQ.FT.	CU.FT.	SQ.FT.	CU.FT.	
	27.0	3.0			



NOTES

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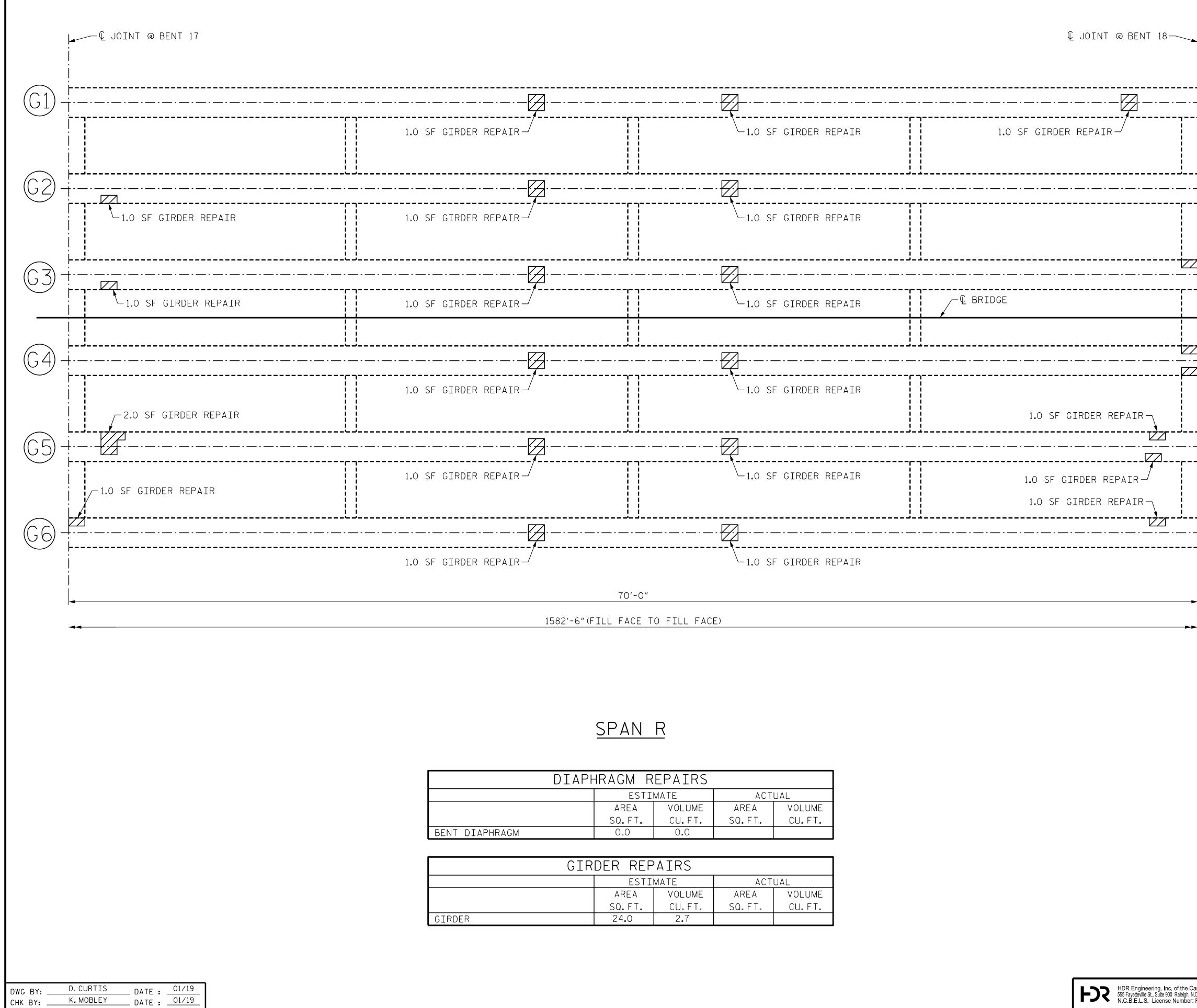
FOR GIRDER AND DIAPHRAGM REPAIRS, SEE ``OVERHANG, GIRDER AND DIAPHRAGM REPAIR DETAILS'' SHEET.

SHOTCRETE REPAIR AREA

GIRDER REPAIR AREA

GIRDER NUMBER (1)

	PROJEC	CT NO.		15BPR.38	3
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	BRIDGE	E NO:_	С	30078	
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Karen M Mobley 11/18/2021		REVIS	SIONS		SHEET NO.
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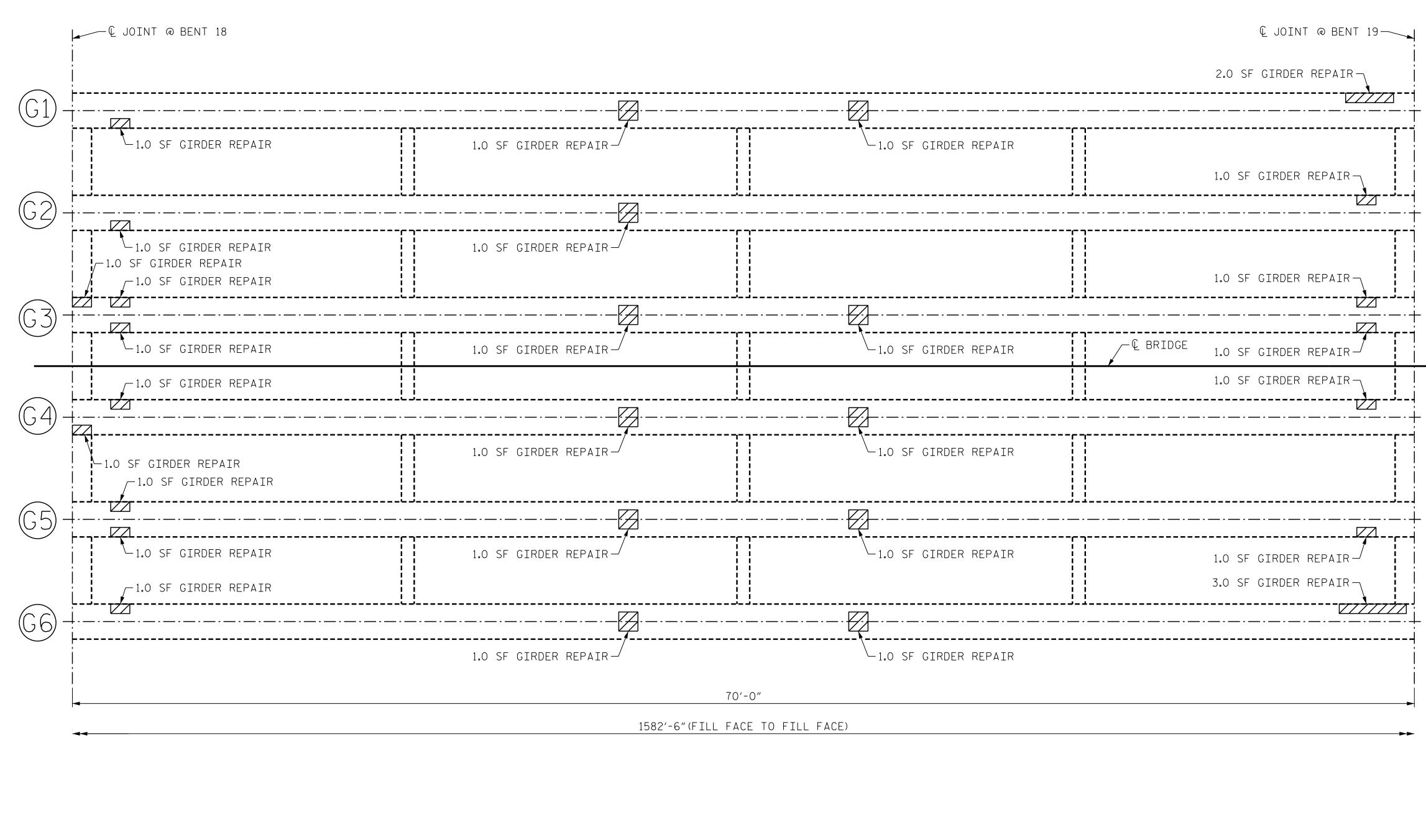
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GIRDER REPAIRS					
	ESTIMATE			UAL	
	AREA	VOLUME	AREA	VOLUME	
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	SQ.FT.	CU.FT.	SQ.FT.	CU.FT.		
	0.0	0.0				

GIRDER REPAIRS					
ESTIMATE ACTUAL					
	AREA	VOLUME	AREA	VOLUME	
	SQ.FT.	CU.FT.	SQ.FT.	CU.FT.	
	31.0	4.6			

NOTES

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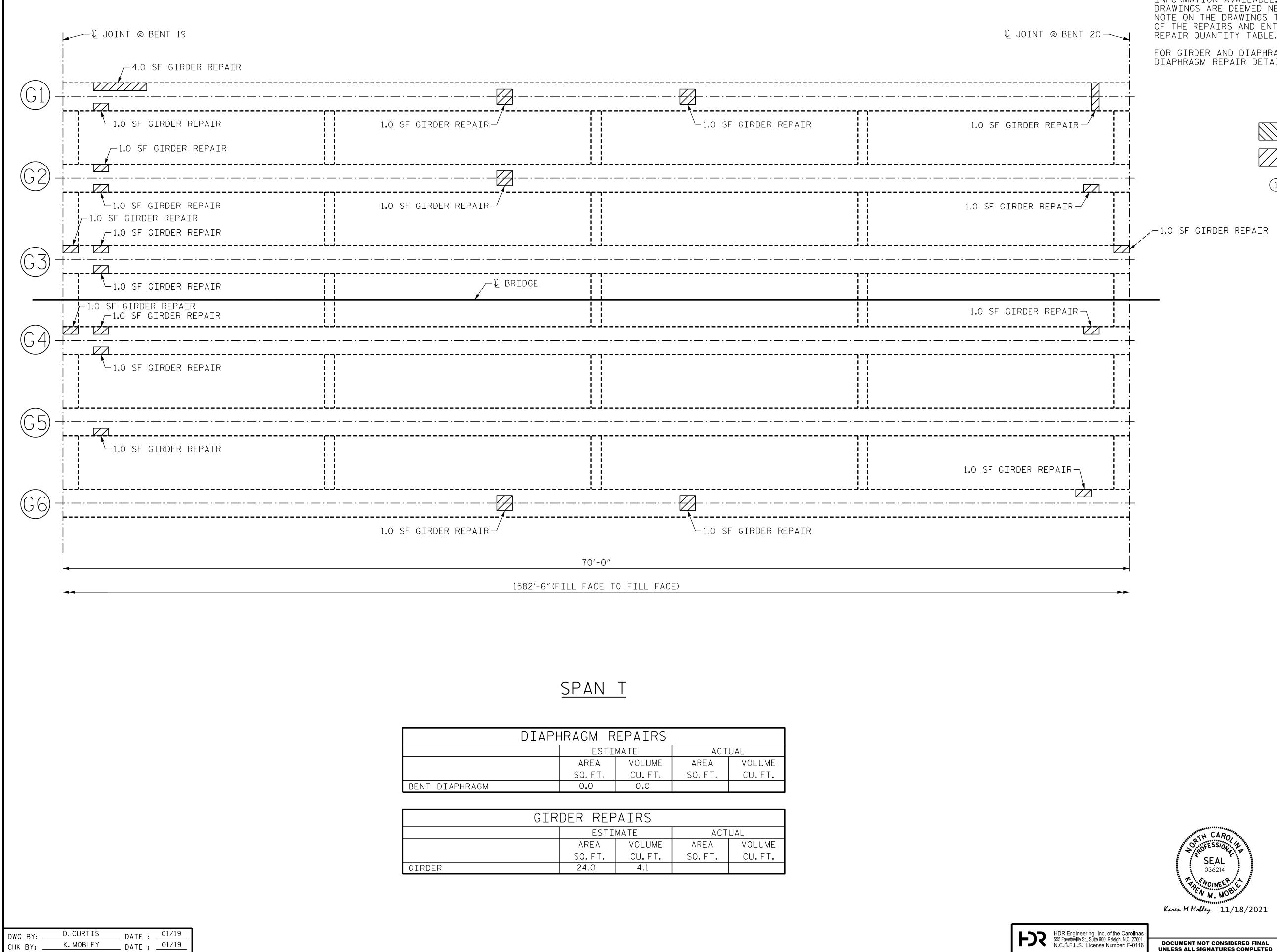
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SHOTCRETE REPAIR AREA

GIRDER REPAIR AREA

GIRDER NUMBER (1)

	PROJEC BRIDGE	ANSC)N	15BPR.38 CO 30078	BUNTY
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Karen M Mobley 11/18/2021		REVIS	SIONS		SHEET NO.
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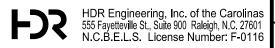
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DIAPHRAGM REPAIRS						
	ESTI	MATE	ACT	UAL		
	AREA	VOLUME	AREA	VOLUME		
	SQ.FT.	CU.FT.	SQ.FT.	CU.FT.		
	0.0	0.0				

GIRDER REPAIRS						
ESTIMATE ACTUAL						
	AREA	VOLUME	AREA	VOLUME		
	SQ.FT.	CU.FT.	SQ.FT.	CU.FT.		
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FOR GIRDER AND DIAPHRAGM REPAIRS, SEE ``OVERHANG, GIRDER AND DIAPHRAGM REPAIR DETAILS'' SHEET.



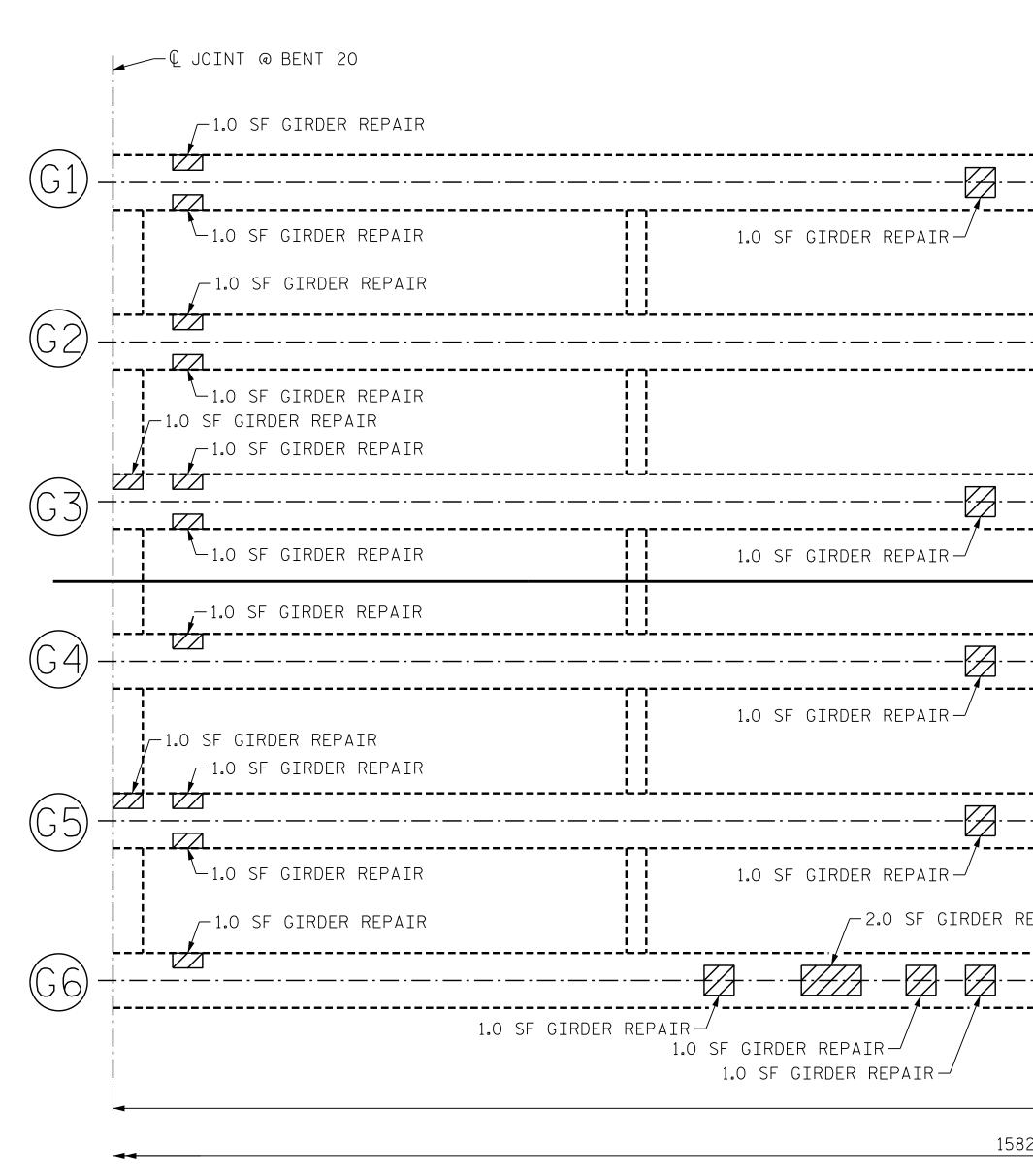
SHOTCRETE REPAIR AREA

GIRDER REPAIR AREA

(1)GIRDER NUMBER

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		ANSC	N	CO	UNTY
	BRIDGE	NO:_	0	30078	
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BENT DIAPHRAGM	
GIRDER	

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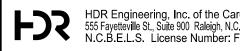
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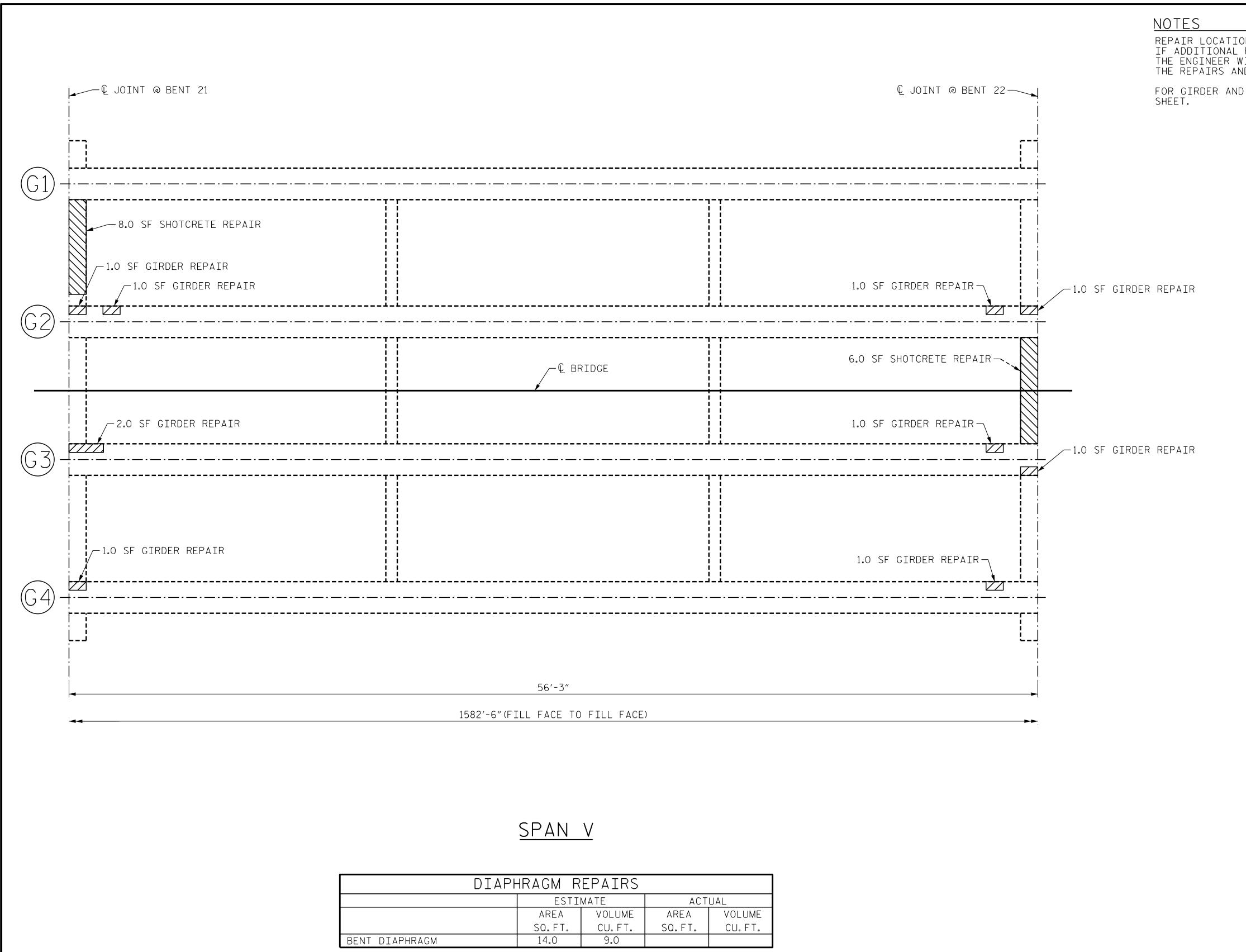
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DIAPHRAGM REPAIRS					
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	AREA	VOLUME	AREA	VOLUME	
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GIRDER REPAIRS						
ESTIMATE ACTUAL						
	AREA	VOLUME	AREA	VOLUME		
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GIRDER REPAIRS						
	ESTIMATE ACTUAL					
	AREA	VOLUME	AREA	VOLUME		
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GIRDER	10.0	1.3				

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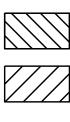
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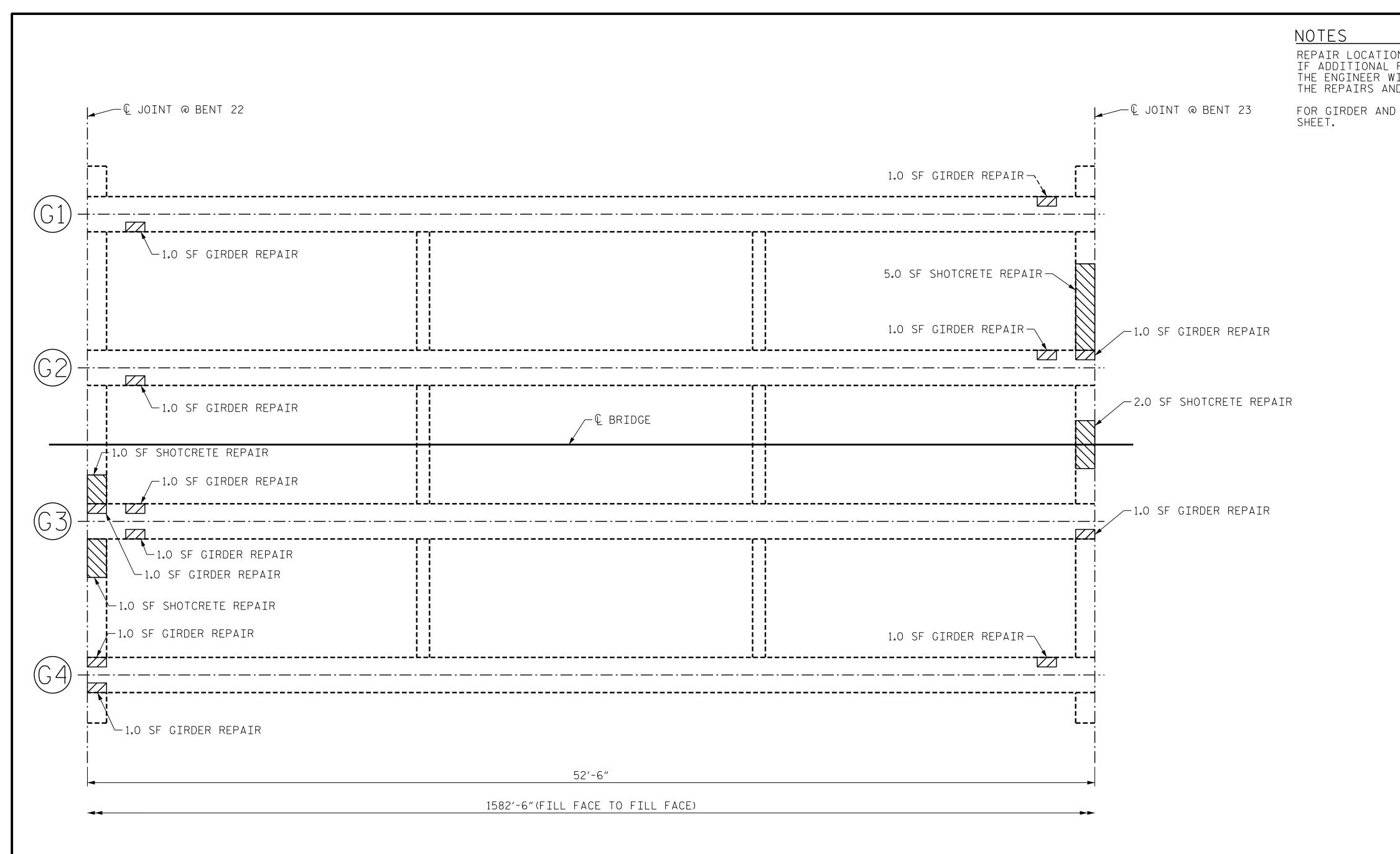
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SHOTCRETE REPAIR AREA GIRDER REPAIR AREA



	PROJEC	T NO. ANSC		<u>15BPR.38</u>	3 UNTY
	BRIDGE	NO:	()30078	
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PROFESSION TESSION			IING Pan	PLAN V	
Kasen M Mobley 11/18/2021		REVIS	SIONS		SHEET NO.
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DIAPHRAGM REPAIRS							
	ESTIMATE ACTUAL						
	AREA	VOLUME	AREA	VOLUME			
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BENT DIAPHRAGM	9.0	2.1					

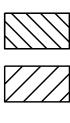
GIRDER REPAIRS						
	ESTIMATE ACTUAL					
	AREA	VOLUME	AREA	VOLUME		
	SQ.FT. CU.FT.		SQ.FT.	CU.FT.		
GIRDER	12.0	1.8				

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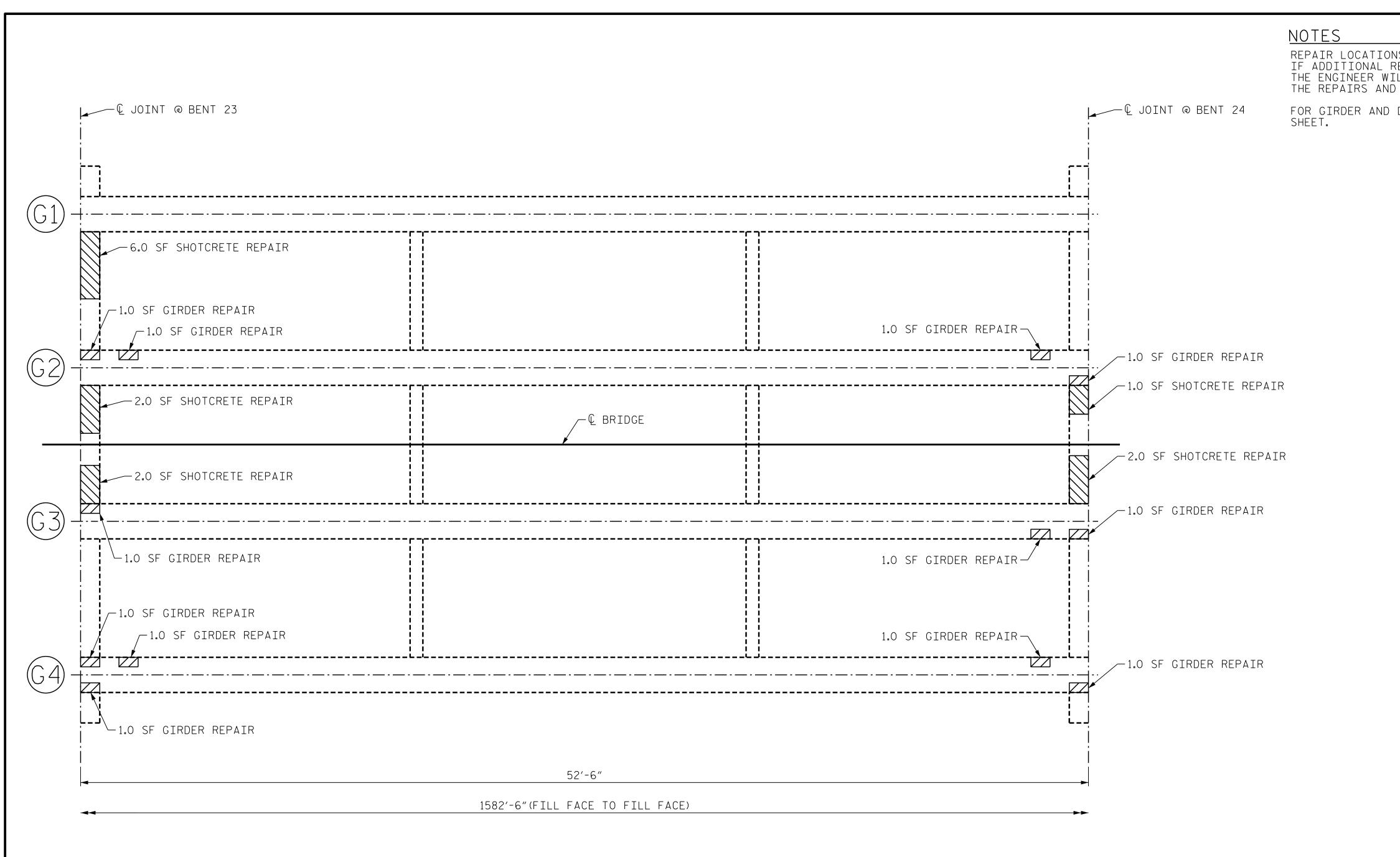
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SHOTCRETE REPAIR AREA GIRDER REPAIR AREA



	PROJEC BRIDGE	ANSC E NO:_)N	<u>15BPR.38</u> CC 030078	<u>3</u>)UNTY
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DIAPHRAGM REPAIRS							
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	AREA	VOLUME	AREA	VOLUME			
	SQ.FT.	CU.FT.	SQ.FT.	CU.FT.			
BENT DIAPHRAGM	13.0	2.8					

GIRDER REPAIRS					
	ESTI	ΜΑΤΕ	ACT	UAL	
	AREA VOLUME		AREA	VOLUME	
	SQ.FT.	CU.FT.	SQ.FT.	CU.FT.	
GIRDER	12.0	1.8			

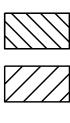
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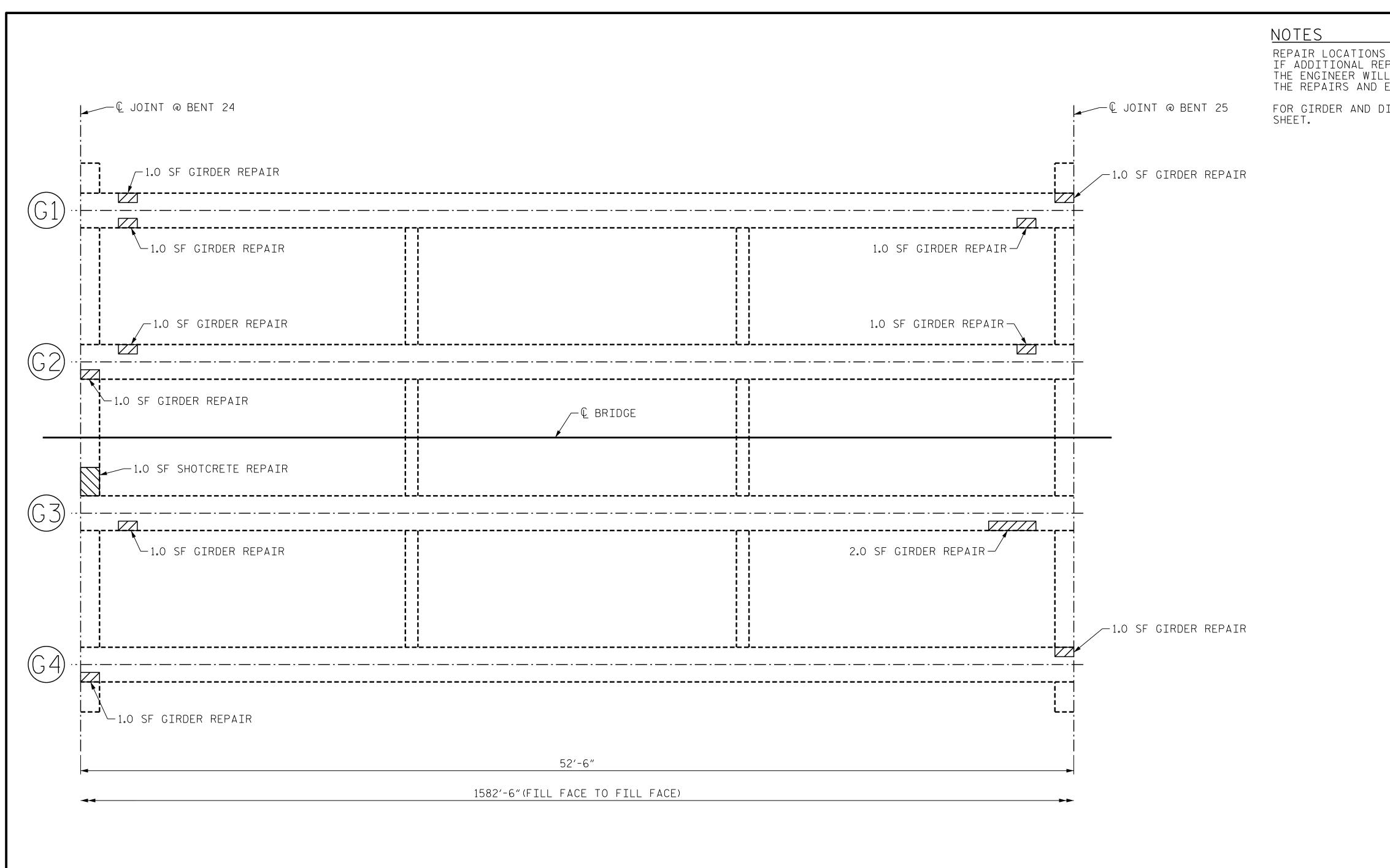
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SHOTCRETE REPAIR AREA GIRDER REPAIR AREA



	PROJEC BRIDGE	ANSC)N	<u>15BPR.38</u> CC 30078	3) UNTY
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Casen M Mobley 11/18/2021		REVIS	SIONS		SHEET NO.
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DIAPHRAGM REPAIRS						
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BENT DIAPHRAGM 1.0 0.5						

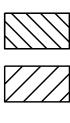
GIRDER REPAIRS					
ESTIMATE ACTUAL					
	AREA	VOLUME	AREA	VOLUME	
	SQ.FT. CU.FT. SQ.FT. CU.				
GIRDER	12.0	1.9			

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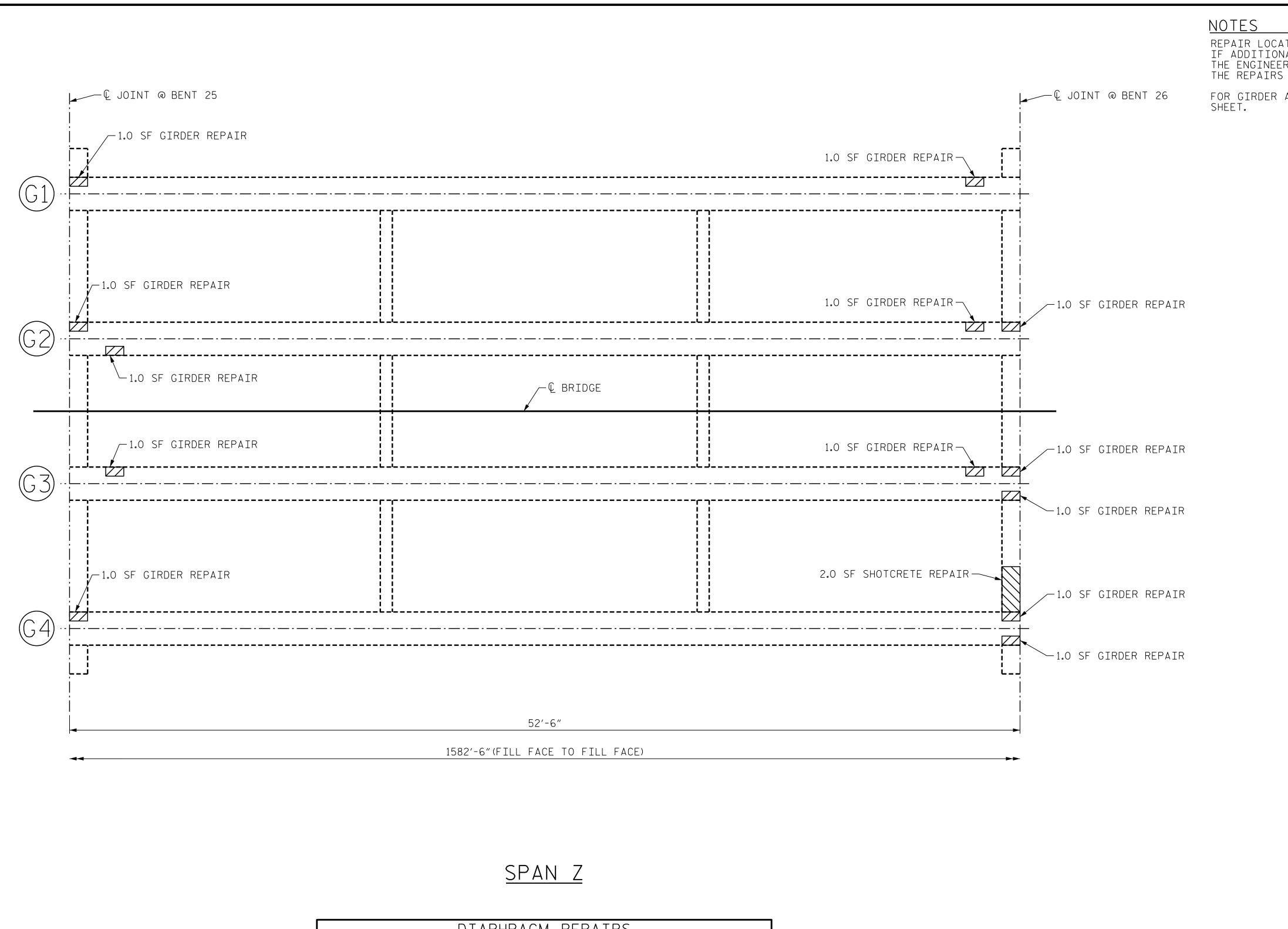


SHOTCRETE REPAIR AREA GIRDER REPAIR AREA



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Kasen M Mobley 11/18/2021		REVIS	SIONS			SHEET NO.
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DIAPHRAGM REPAIRS					
ESTIMATE ACTUAL					
	AREA	VOLUME	AREA	VOLUME	
SQ.FT. CU.FT. SQ.FT. CU.FT.					
BENT DIAPHRAGM 2.0 0.6					

GIRDER REPAIRS					
ESTIMATE ACTUAL					
	AREA	VOLUME	AREA	VOLUME	
	SQ.FT. CU.FT. SQ.FT. CU.FT.				
GIRDER	13.0 2.2				

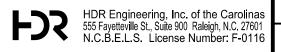
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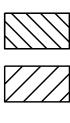
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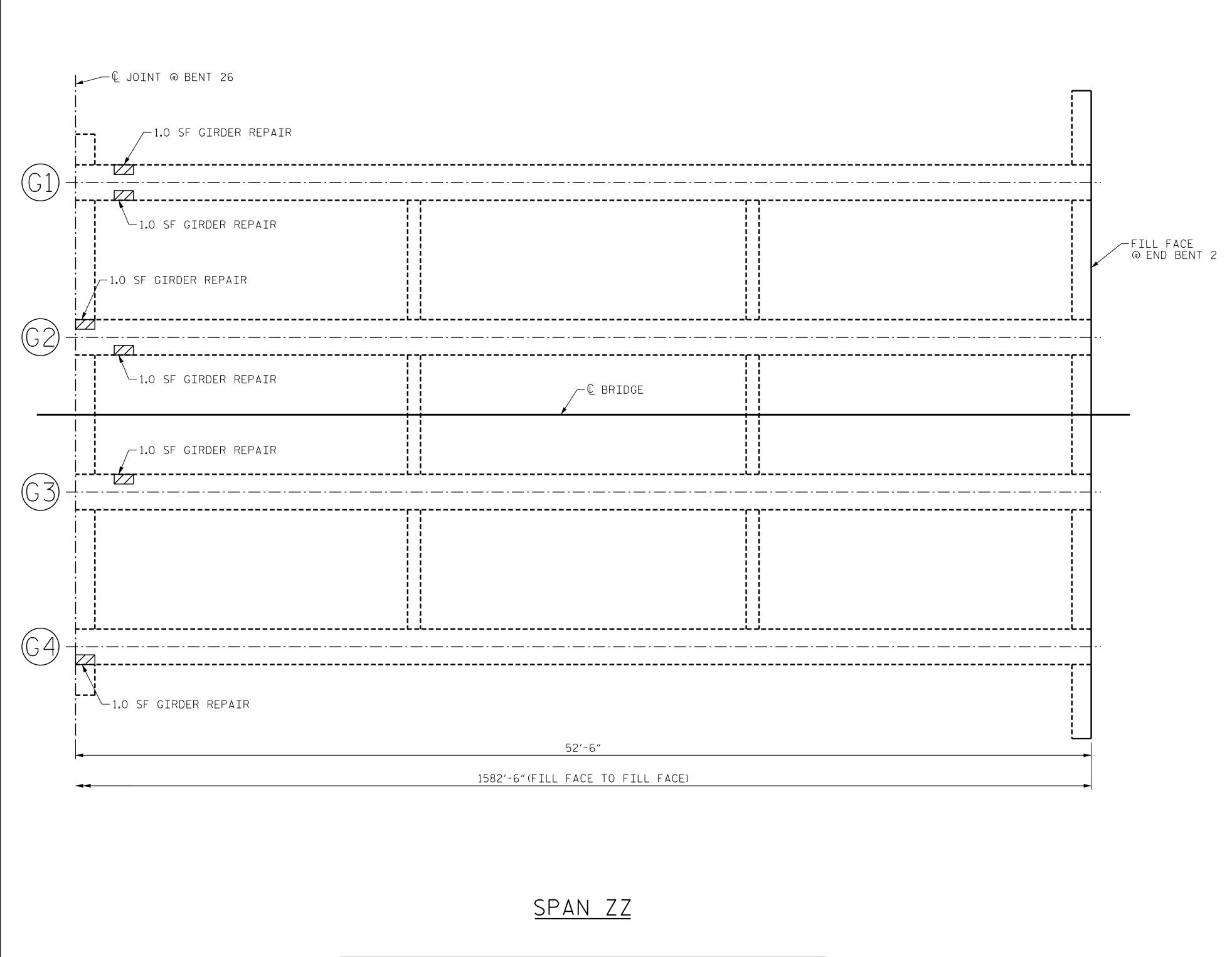
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SHOTCRETE REPAIR AREA GIRDER REPAIR AREA



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DIAPHRAGM REPAIRS							
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BENT DIAPHRAGM	0.0	0.0					

GIRDER REPAIRS							
	ESTIMATE ACTUAL						
	AREA	VOLUME	AREA	VOLUME			
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GIRDER 6.0 0.8							

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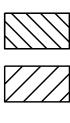
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DWG BY:	D.CURTIS	DATE :	01/19
CHK BY:	K.MOBLEY	DATE :	01/19



REPAIR LOCATIONS AND ESTIMATED 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. FOR GIRDER AND DIAPHRAGM REPAIRS, SEE ``OVERHANG, GIRDER AND DIAPHRAGM REPAIR DETAILS'' SHEET.

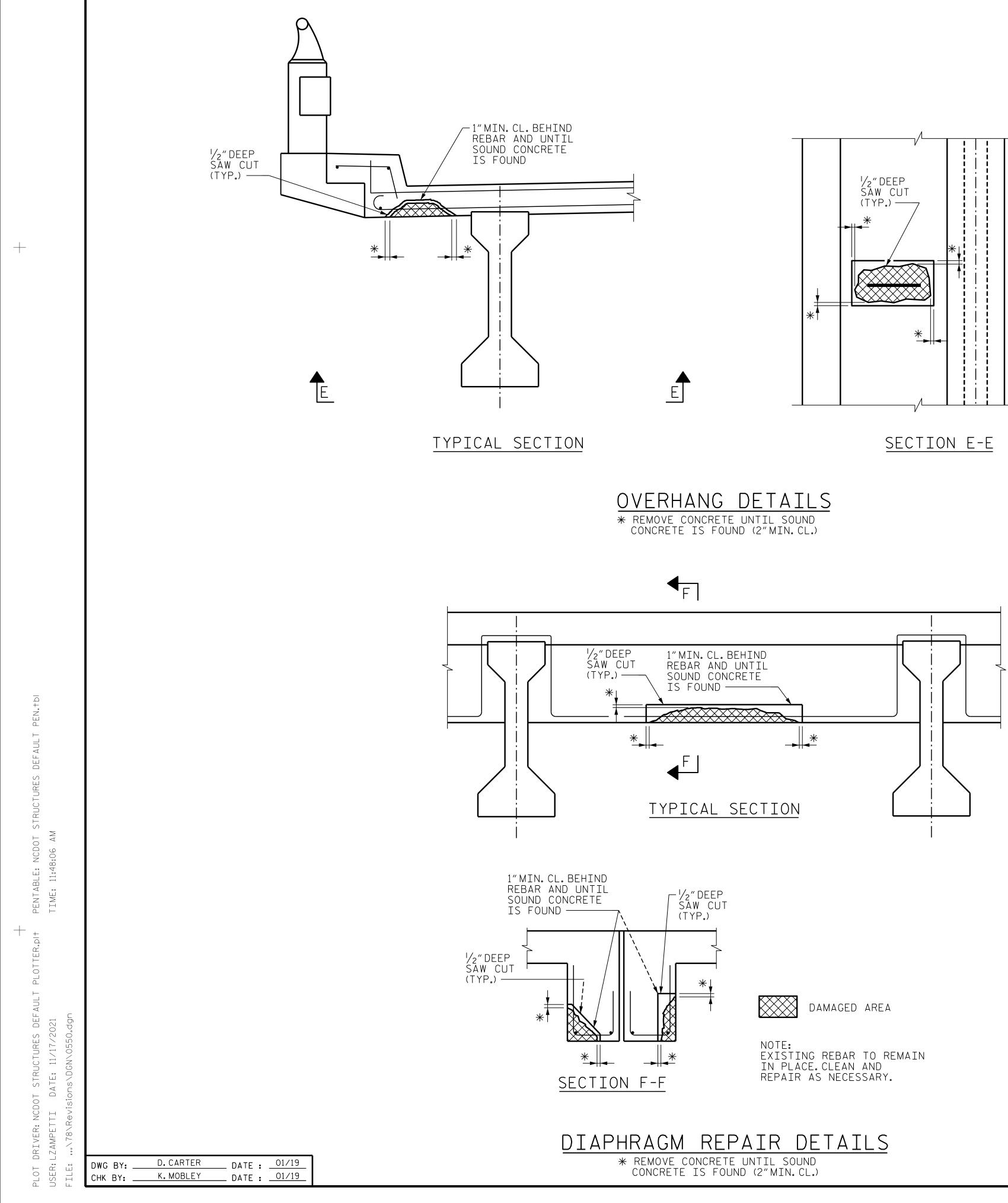


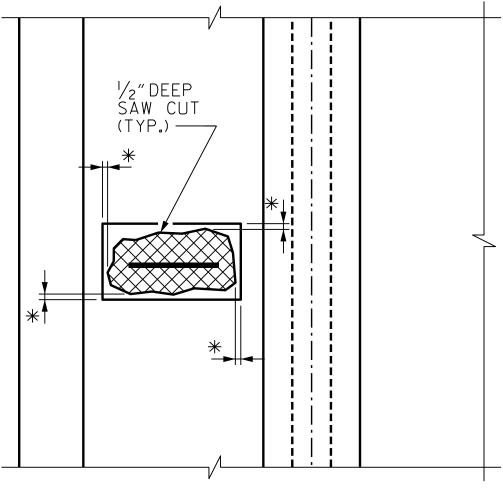
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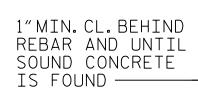
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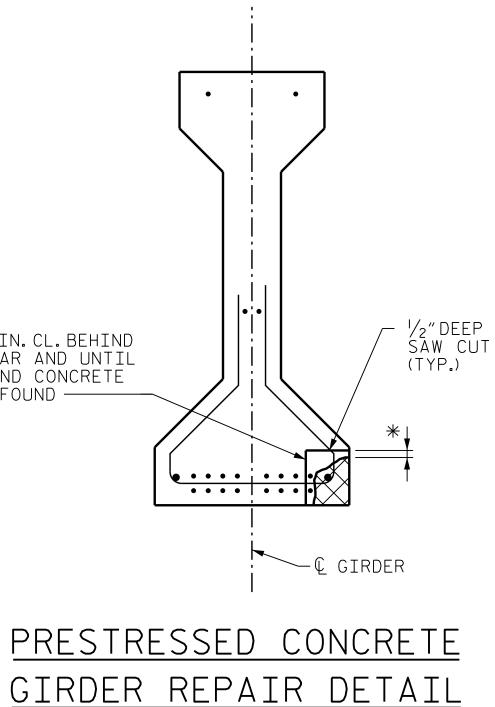




* REMOVE CONCRETE UNTIL SOUND CONCRETE IS FOUND (2" MIN.CL.)



NOTES FOR REPAIRS TO PRESTRESSED CONCRETE GIRDERS,SEE SPECIAL PROVISIONS.



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