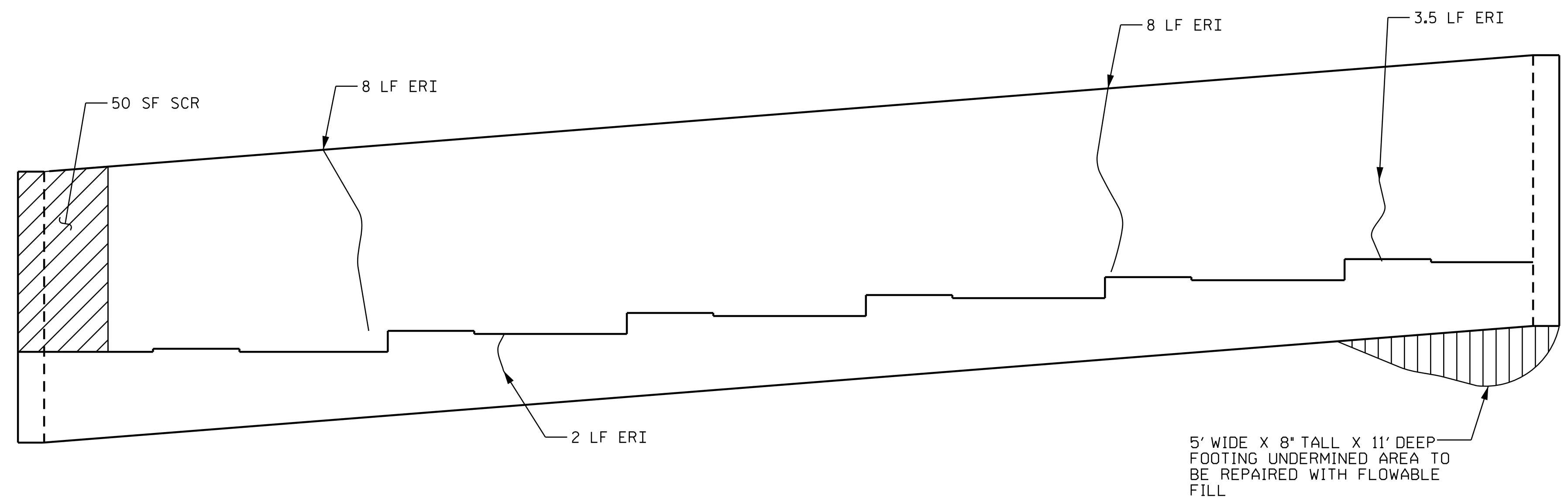


PLAN



ELEVATION

END BENT NO. 1

AS-BUILT REPAIR QUANTITY TABLE				
END BENT 1	QUANTITIES			
	ESTIMATE		ACTUAL	
SHOTCRETE REPAIRS	AREA SF	VOLUME CF	AREA SF	VOLUME CF
CAP	0.0	0.0		
CURTAIN WALL	50.0	12.0		
CONCRETE REPAIRS	AREA SF	VOLUME CF	AREA SF	VOLUME CF
CAP	0.0	0.0		
FLOWABLE FILL	VOLUME CY		VOLUME CY	
RIGHT END	1.4			
EPOXY RESIN INJECTION	LN. FT.		LN. FT.	
CAP	4.0			
CURTAIN WALL	19.5			
EPOXY COATING	SQ. FT.		SQ. FT.	
TOP OF CAP	140.0			

NOTES:
 REPAIR LOCATIONS AND ESTIMATE OF QUANTITIES ARE BASED ON THE BEST INFORMATION AVAILABLE. IF ADDITIONAL REPAIRS NOT SHOWN ON THE DRAWINGS ARE DEEMED NECESSARY BY THE ENGINEER, THE ENGINEER WILL NOTE ON THE DRAWINGS THE APPROXIMATE LOCATIONS AND DESCRIPTION OF THE REPAIRS AND ENTER THE ACTUAL QUANTITIES INTO THE AS-BUILT REPAIR QUANTITY TABLE.

CLEAN AND REMOVE DEBRIS FROM THE TOP OF THE CAP AND APPLY EPOXY PROTECTIVE COATING. EPOXY COATING SHALL BE APPLIED TO THE TOP SURFACE OF THE CAP. THE CONTRACTOR SHALL NOT COAT THE AREA OF THE CAP BENEATH THE MASONRY PLATES. FOR EPOXY COATING, SEE SPECIAL PROVISIONS.

SHOTCRETE REPAIRS MAY BE REPLACED WITH CONCRETE REPAIRS WITH THE APPROVAL OF THE ENGINEER.

FOR CAP REPAIRS, SEE "TYPICAL CAP AND COLUMN REPAIR DETAILS", SHEET.

FOR FLOWABLE FILL, SEE SPECIAL PROVISIONS.

FOR SHOTCRETE REPAIR, SEE SPECIAL PROVISIONS.

FOR CONCRETE REPAIR, SEE SPECIAL PROVISIONS.

FOR EPOXY RESIN INJECTION, SEE SPECIAL PROVISIONS.


THE CONTRACTOR SHALL CLEAN AND REMOVE DEBRIS AND LOOSE MATERIAL FROM THE UNDERMINED FOOTING AREA TO THE SATISFACTION OF THE ENGINEER. NO ADDITIONAL EXCAVATION SHALL BE ALLOWED.

AFTER COMPLETION AND TOTAL CURING OF THE FLOWABLE FILL, THE SURROUNDING AFFECTED AREA AND THE SLOPE PROTECTION SHALL BE RESTORED WITH THE SAME SIZE RIP RAP STONES.

- SHOTCRETE REPAIR (SCR)
- CONCRETE REPAIR (CR)
- FLOWABLE FILL REPAIR
- EPOXY RESIN INJECTION (ERI)

PROJECT NO. I-5941
DURHAM COUNTY
 BRIDGE NO. 310135

SHEET 1 OF 8

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED		STATE OF NORTH CAROLINA DEPARTMENT OF TRANSPORTATION RALEIGH																			
 11/13/2023		SUBSTRUCTURE REPAIR																			
		END BENT 1																			
DRAWN BY : M. HOGAN DATE : 3/2023 CHECKED BY : JIA XU DATE : 7/2023 DESIGN ENGINEER OF RECORD : F. ASEFNIA DATE : 11/2023		REVISIONS <table border="1"> <thead> <tr> <th>NO.</th> <th>BY:</th> <th>DATE:</th> <th>NO.</th> <th>BY:</th> <th>DATE:</th> </tr> </thead> <tbody> <tr> <td>1</td> <td></td> <td></td> <td>3</td> <td></td> <td></td> </tr> <tr> <td>2</td> <td></td> <td></td> <td>4</td> <td></td> <td></td> </tr> </tbody> </table>		NO.	BY:	DATE:	NO.	BY:	DATE:	1			3			2			4		
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E.L. ROBINSON 3362 Six Forks Rd. Raleigh, N.C. 27609 Tel: 984.980.2810 e:rl@elrobinsonengineering.com License: C-22 9		SHEET NO. S3-11 TOTAL SHEETS 18																			