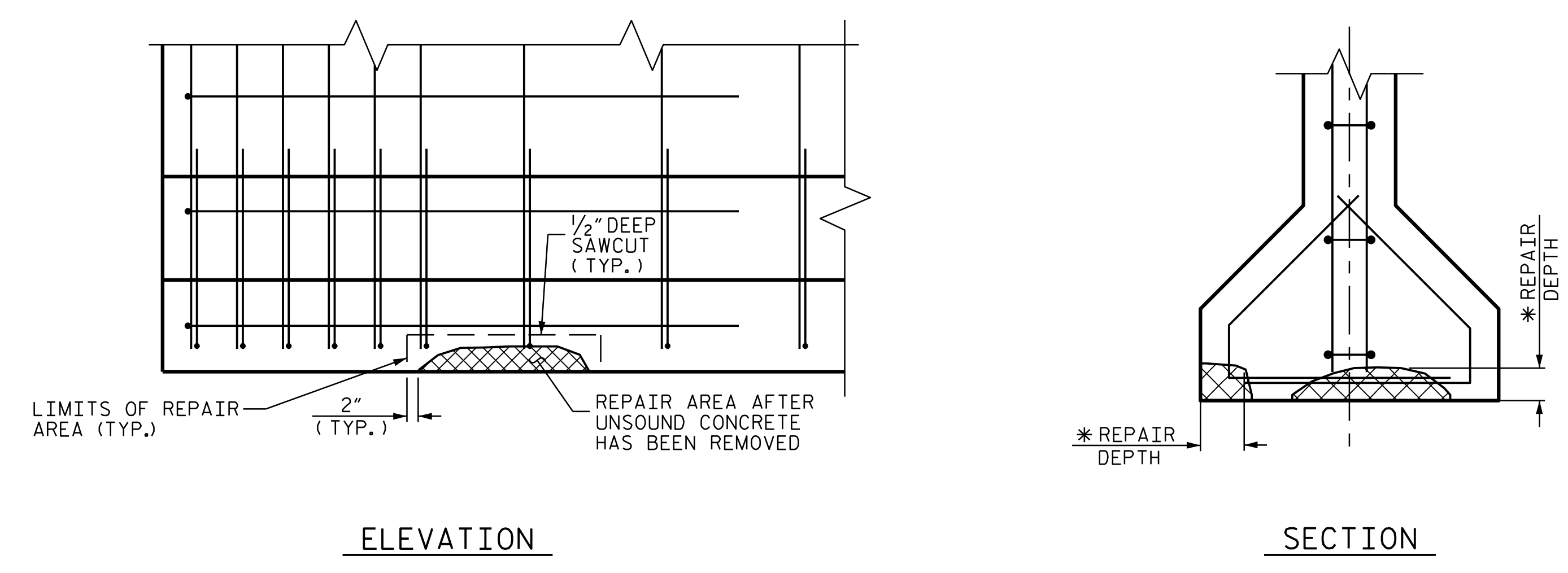


GIRDER WEB REPAIR

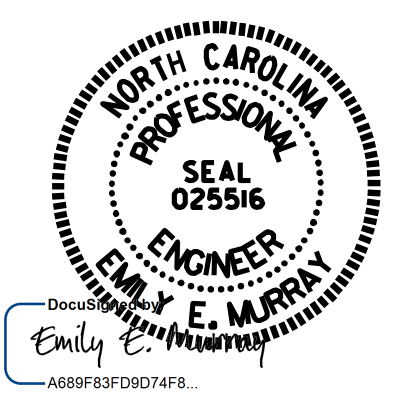


*** REPAIR DEPTH:**
 IF REMOVAL OF UNSOUND CONCRETE RESULTS IN EXPOSING MORE THAN HALF THE DEPTH OF A REINFORCING BAR OR PRESTRESSING STRAND, REMOVE ADDITIONAL CONCRETE TO 1" BEHIND THE BAR OR STRAND WITHOUT DAMAGE TO REINFORCING BAR OR PRESTRESSING STRAND, ALTERNATIVELY, AS DIRECTED BY THE ENGINEER, INSTALL 1/4" DIAMETER X 3" LONG (MAX.) ADHESIVE ANCHORS OR STUDS IN REPAIR AREAS WITH MINIMUM DEPTH OF 1/2" WITHOUT DAMAGE TO REINFORCING BAR OR PRESTRESSING STRAND.

NOTES:

- EXISTING REINFORCING STEEL LOCATIONS ARE FROM BEST INFORMATION AVAILABLE.
- AROUND THE PERIMETER OF THE REPAIR AREA, AS INDICATED, THE CONTRACTOR SHALL SAW CUT TO A MINIMUM DEPTH OF 1/2" BUT REINFORCING STEEL AND/OR PRESTRESSING STRANDS SHALL NOT BE DAMAGED.
- THE CONTRACTOR SHALL REMOVE SURFACE CONCRETE TO VERIFY THAT SAW CUT DEPTH WILL NOT DAMAGE EXISTING REINFORCING STEEL AND PRESTRESSING STRANDS.
- AFTER REMOVAL OF SOUND AND UNSOUND CONCRETE WITHIN THE SAWCUT AREA, TO A MINIMUM DEPTH OF 1/2", CLEAN AND REMOVE RUST FROM ALL REINFORCING STEEL AND PRESTRESSING STRANDS.
- SHOTCRETE OR CONCRETE MAY BE USED FOR REPAIRS WITH THE APPROVAL OF THE ENGINEER.
- MAXIMUM AGGREGATE SIZE FOR REPAIR MATERIAL SHALL NOT EXCEED 2/3 THE MINIMUM REPAIR DEPTH.
- FOR CONCRETE REPAIRS, SEE SPECIAL PROVISIONS.
- FOR SHOTCRETE REPAIRS, SEE SPECIAL PROVISIONS.

PROJECT NO. 15BPR.130
MOORE COUNTY
 STATION: 620049



STATE OF NORTH CAROLINA
 DEPARTMENT OF TRANSPORTATION
 RALEIGH

**PRESTRESSED GIRDER
 REPAIR DETAILS**

DRAWN BY : D. A. GLADDEN DATE : 3/21
 CHECKED BY : E. E. MURRAY DATE : 3/24
 DESIGN ENGINEER OF RECORD: _____ DATE : _____

REVISIONS						SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:	TOTAL SHEETS
1			3			S-101
2			4			156