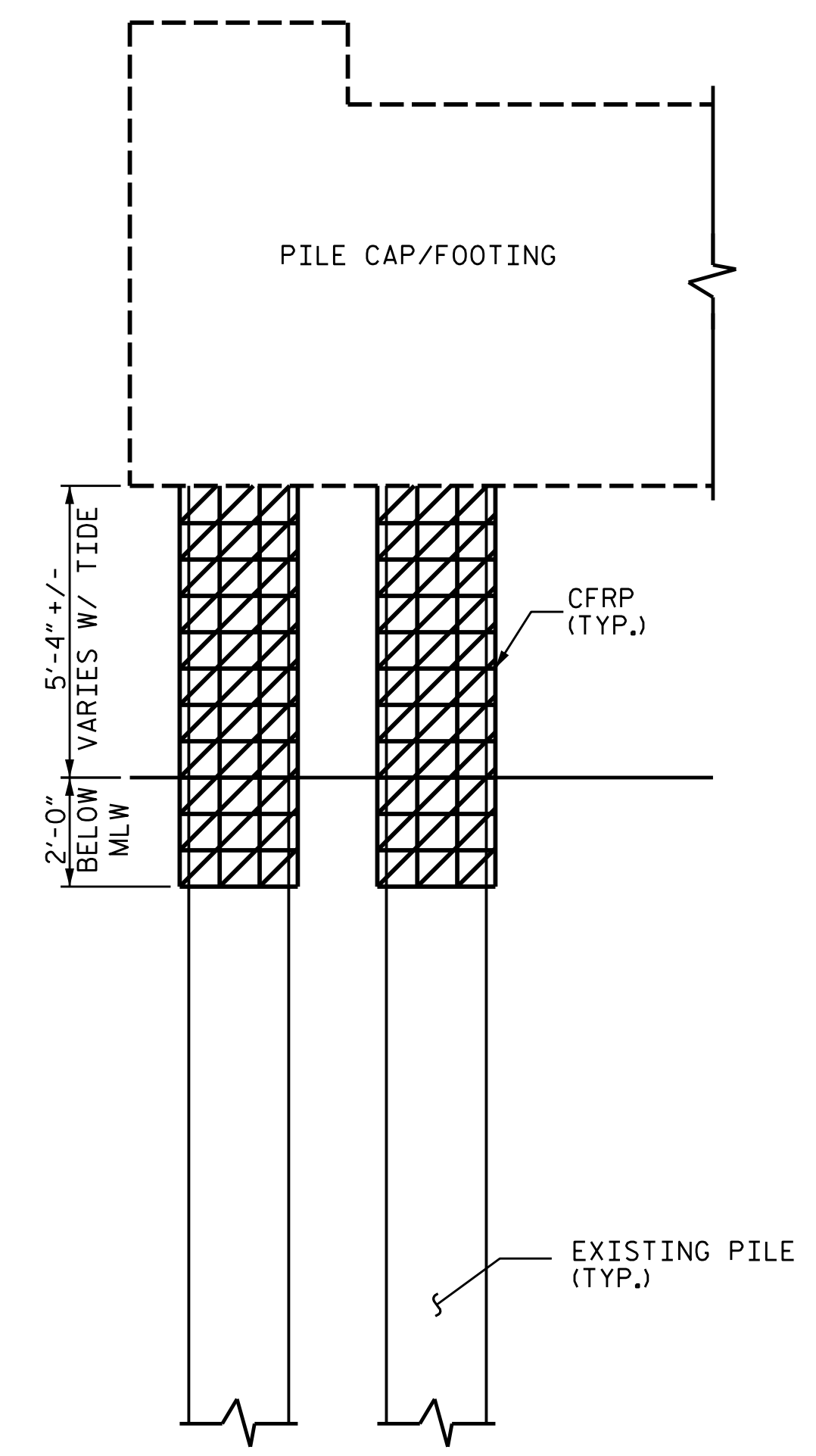
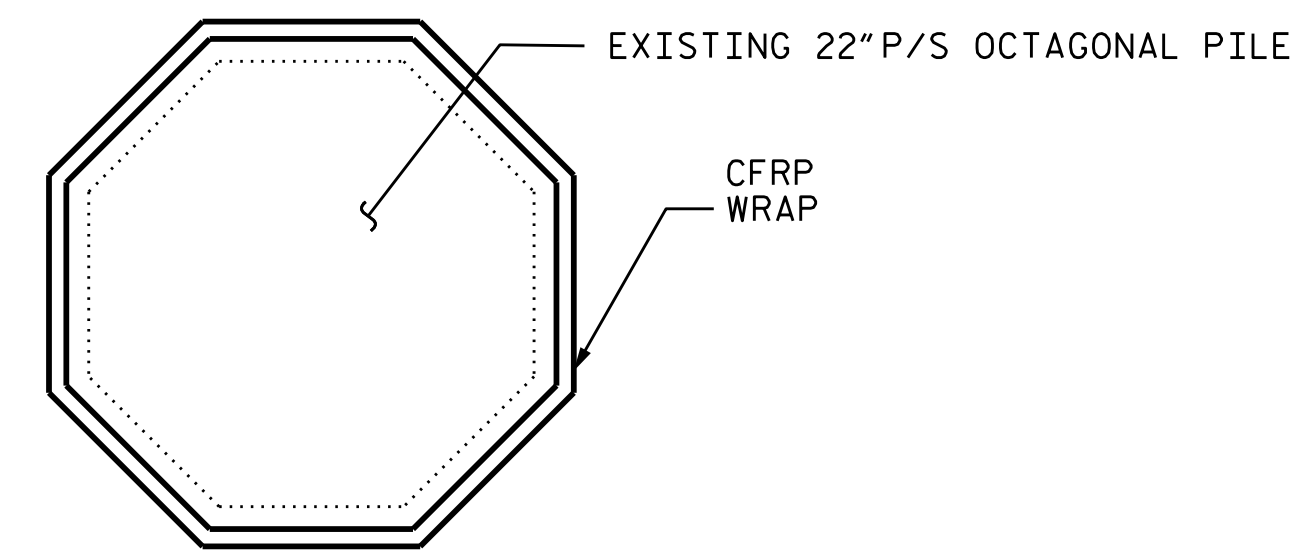


PIVOT PIER ELEVATION



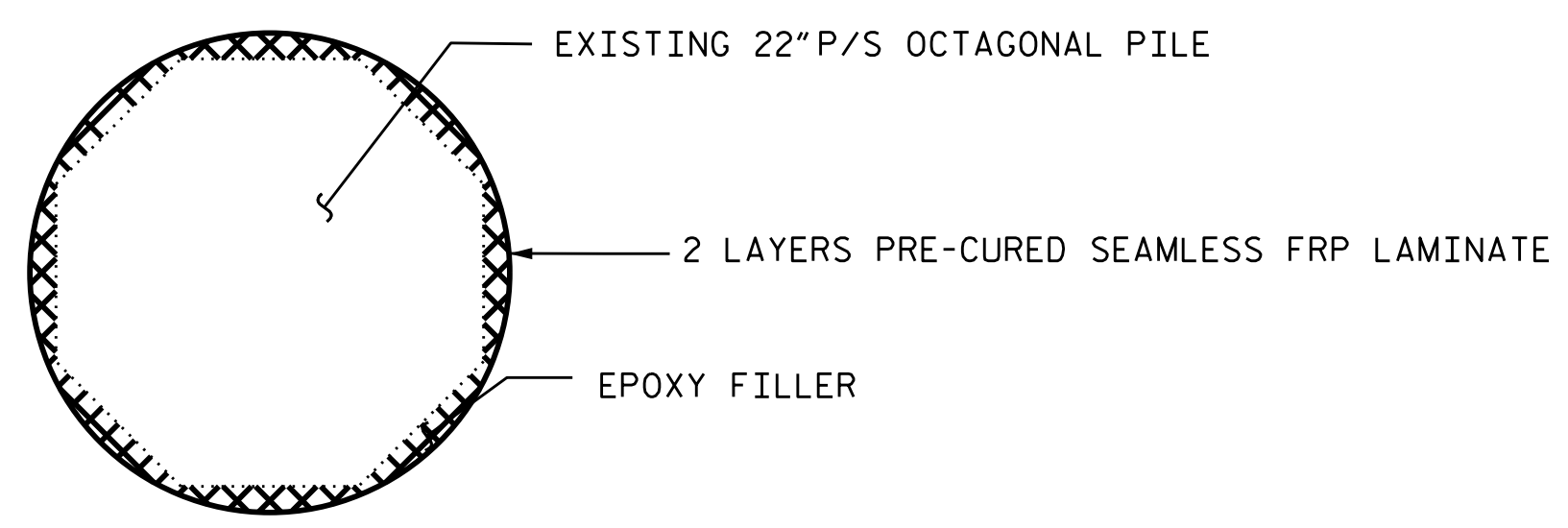
PROPOSED PIVOT PIER PILE STRENGTHENING



PILE SECTION DETAIL - ALTERNATE "A"

NOTES:

1. WET-LAYUP CFRP SHALL CONSIST OF A MINIMUM OF TWO LAYERS OF BI-DIRECTIONAL FABRIC.
2. EACH LAYER SHALL MEET THE REQUIREMENTS OF THE PROJECT SPECIAL PROVISIONS FOR PILE STRENGTHENING.
3. PRIOR TO REPAIRS, ALL CONCRETE DEFECTS WITHIN THE PROPOSED WRAP FOOTPRINT SHALL BE REPAIRED IN ACCORDANCE WITH CONTRACT DOCUMENTS.



PILE SECTION DETAIL - ALTERNATE "B"

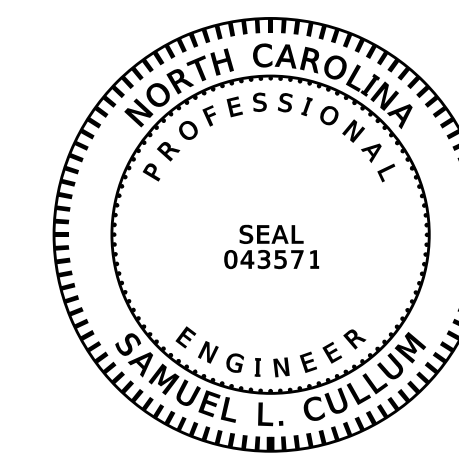
NOTES:

1. ALTERNATE PRE-CURED LAMINATE WITH EPOXY FILLER SHALL CONSIST OF A MINIMUM OF TWO LAYERS OF BI-DIRECTIONAL FABRIC.
2. EACH LAYER SHALL MEET THE REQUIREMENTS OF THE PROJECT SPECIAL PROVISIONS FOR ALTERNATE PILE STRENGTHENING.
3. PRIOR TO REPAIRS, ALL CONCRETE DEFECTS WITHIN THE PROPOSED WRAP FOOTPRINT SHALL BE REPAIRED IN ACCORDANCE WITH CONTRACT DOCUMENTS.

FOR BOTH ALTERNATE PILE STRENGTHENING TREATMENTS, EXTERIOR PILES SHALL BE COATED WITH A UV PROTECTIVE COATING WHICH IS COMPATIBLE WITH THE FIBER TREATMENT AND IN KEEPING WITH MANUFACTURER SPECIFICATIONS.

PROJECT NO. B-5936
TYRRELL COUNTY
 STATION: BRIDGE NO. 7

SHEET 3 OF 3



STATE OF NORTH CAROLINA
 DEPARTMENT OF TRANSPORTATION
 RALEIGH

**PIVOT PIER
 PILE STRENGTHENING**

DRAWN BY : J. B. HANNA DATE : 06-16
 CHECKED BY : S. L. CULLUM DATE : 06-16
 DESIGN ENGINEER OF RECORD: S. L. CULLUM DATE : 06-16

DOCUMENT NOT CONSIDERED
 FINAL UNLESS ALL
 SIGNATURES COMPLETED

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

*****SYSTEM*****
 *****DCN*****
 *****USERNAME*****