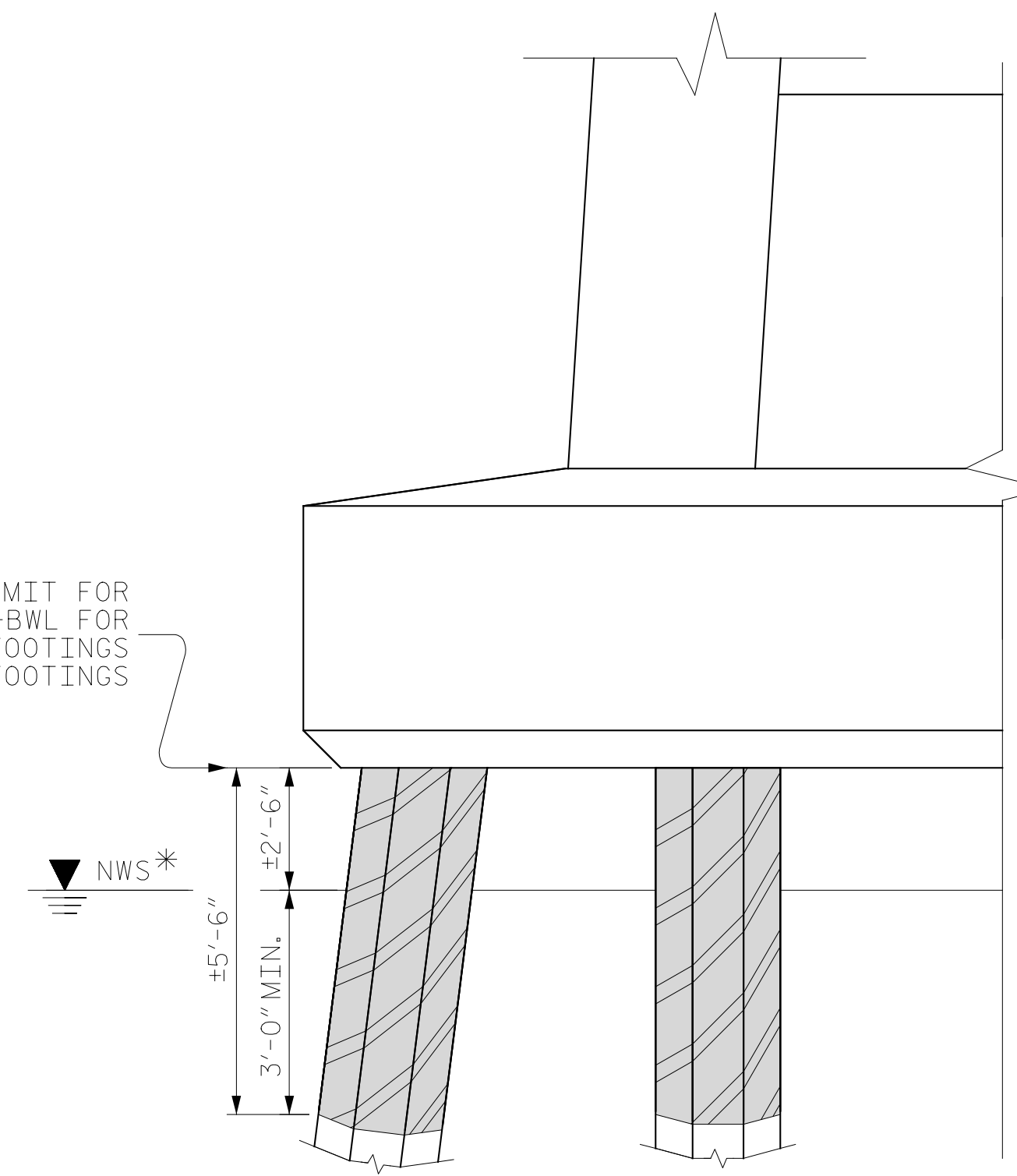


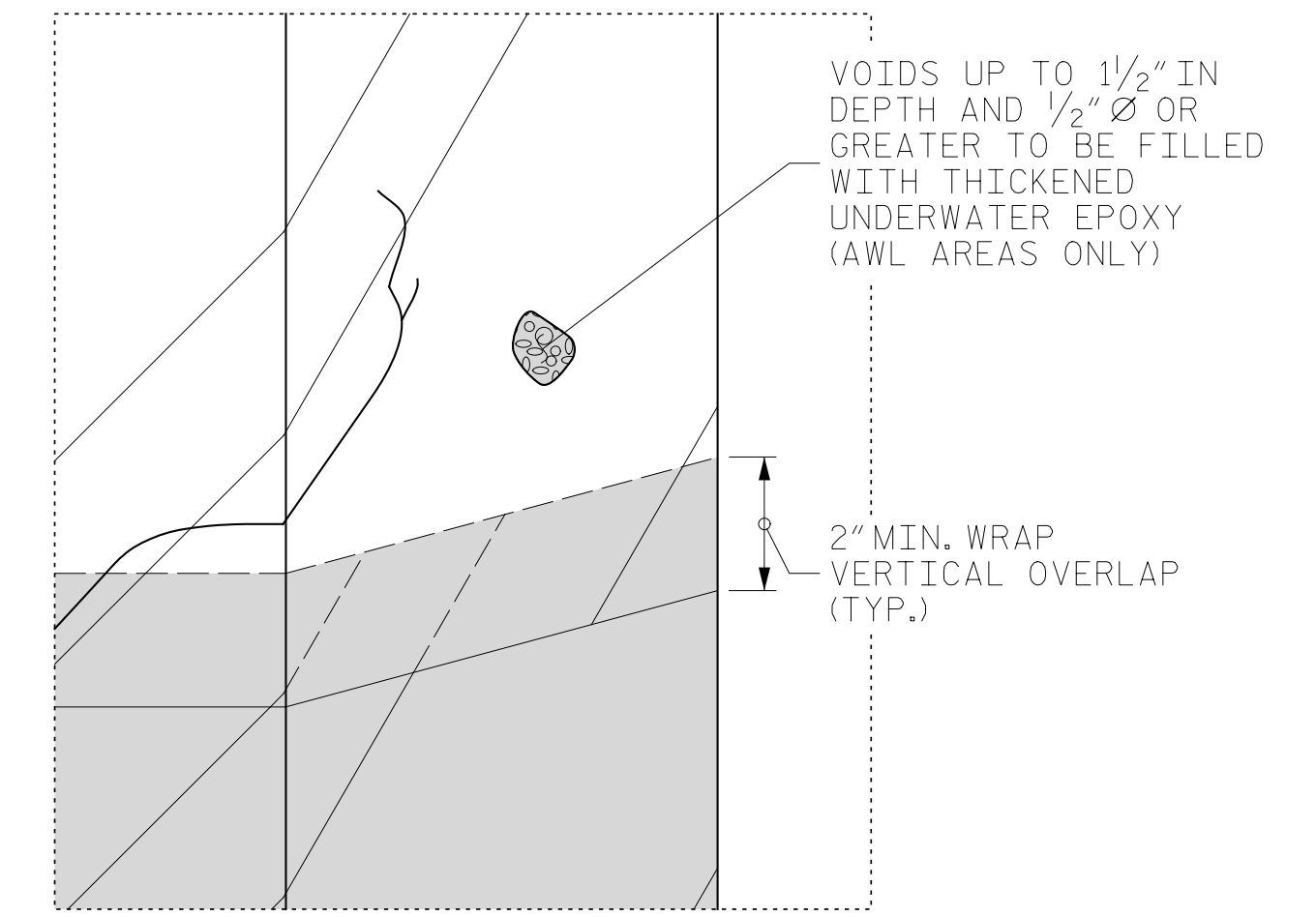
PILE BENT ELEVATION



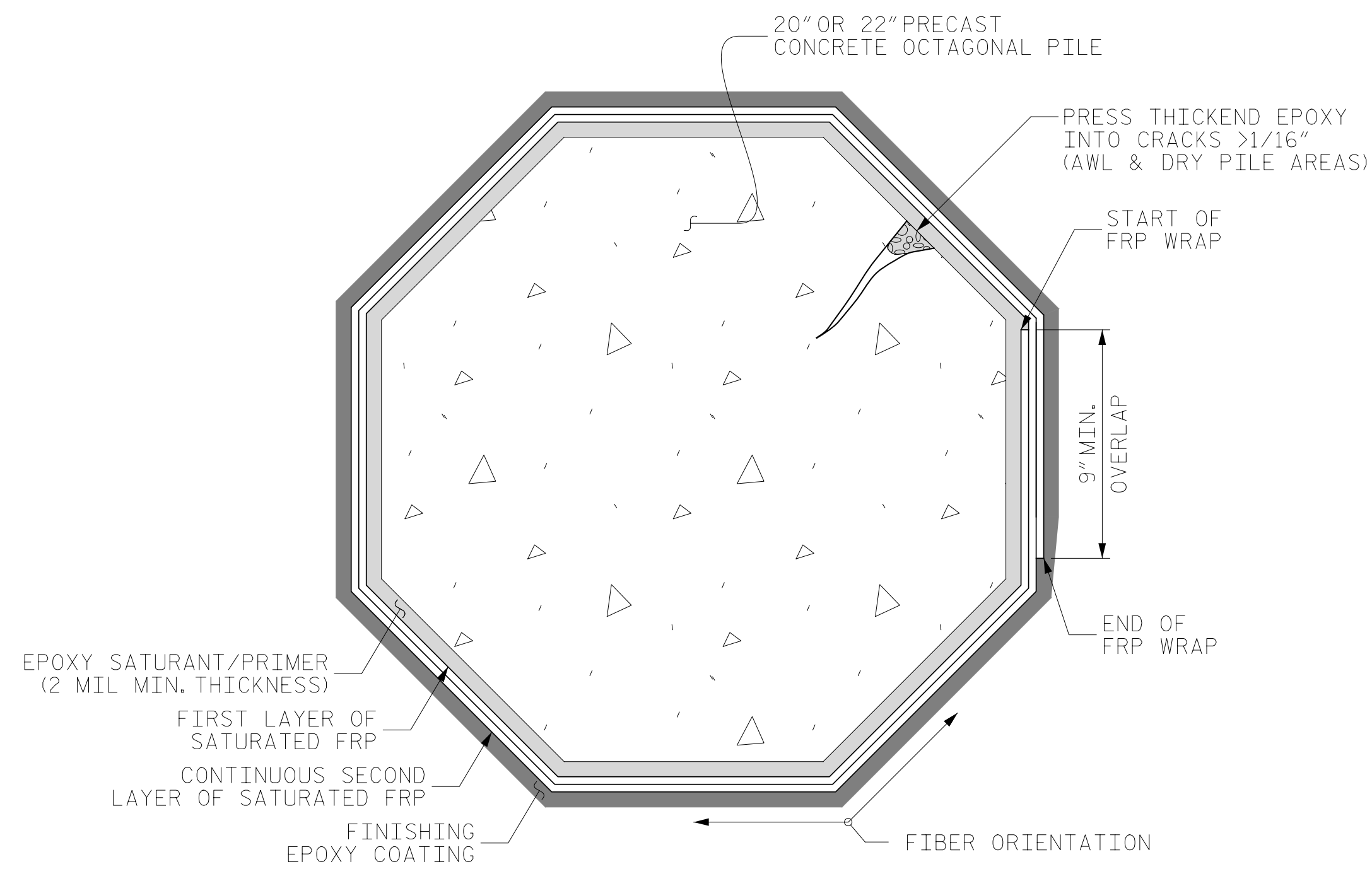
COLUMN BENT ELEVATION

NOTES:

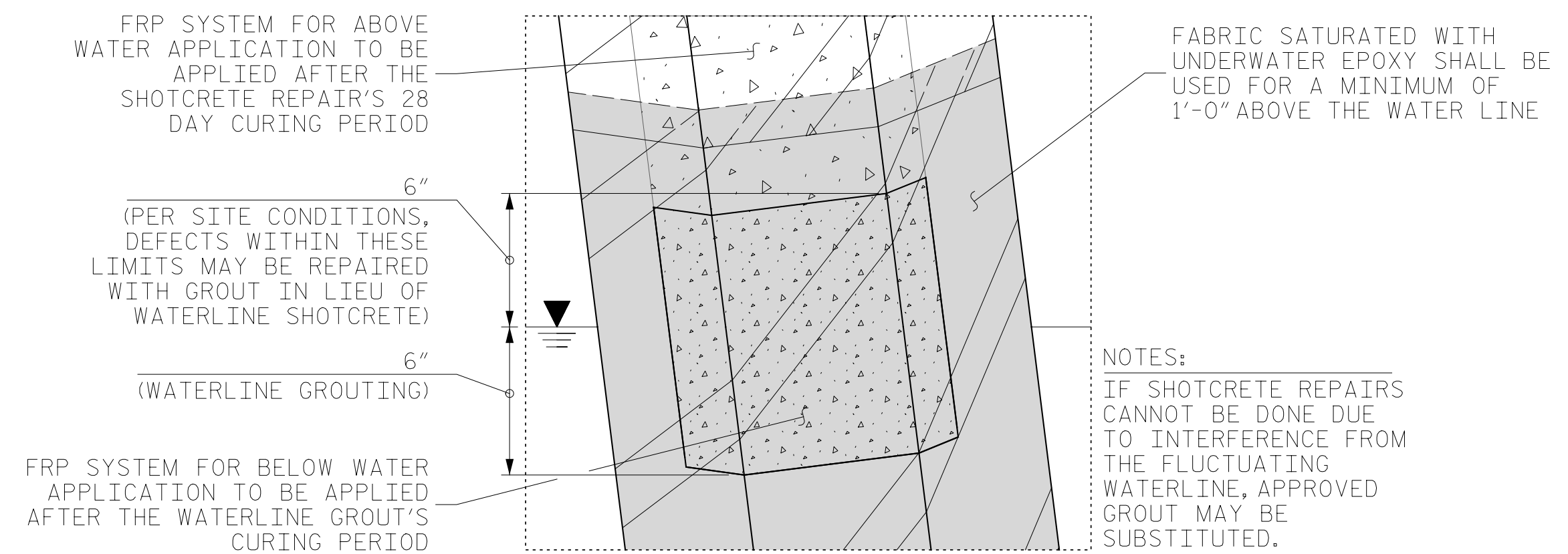
4-PILE BENTS SHOWN ON PILE BENT ELEVATION, 6-PILE BENTS SIMILAR
 PILE FRP PROTECTIVE SYSTEM DETAILS FOR STRAP FOOTING PILES, LOCATED BENEATH THE FOOTING, SIMILAR TO COLUMN BENT ELEVATION DETAILS SHOWN
 PILE FRP PROTECTIVE SYSTEM DETAILS FOR STRAP FOOTING PILES, LOCATED OUTSIDE OF THE FOOTING, SIMILAR TO PILE BENT ELEVATION DETAILS SHOWN
 FOR PILE FRP PROTECTIVE SYSTEM, SEE SPECIAL PROVISIONS



DETAIL A
(TYPICAL SHALLOW PILE REPAIRS)



SECTION A-A
(2 LAYERS - CONTINUOUS WRAP)



DETAIL B
(WATERLINE GROUTING REPAIRS)

- FRP & EPOXY SATURANT/PRIMER FOR ABOVE WATER APPLICATION
- FRP & EPOXY SATURANT/PRIMER FOR UNDERWATER APPLICATION
- SHOTCRETE REPAIRS
- WATERLINE GROUTING REPAIRS
- THICKENED UNDERWATER EPOXY (HYDROPHOBIC)

PROJECT NO. HB-0017
DARE COUNTY
 BRIDGE NO. 270009



STATE OF NORTH CAROLINA
 DEPARTMENT OF TRANSPORTATION
 RALEIGH
PILE FRP PROTECTIVE SYSTEM DETAILS

DRAWN BY : M. SPENCER DATE : 03/2019
 CHECKED BY : R. NELSON DATE : 03/2019



DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

REVISIONS						SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:	
1			3			TOTAL SHEETS
2			4			355