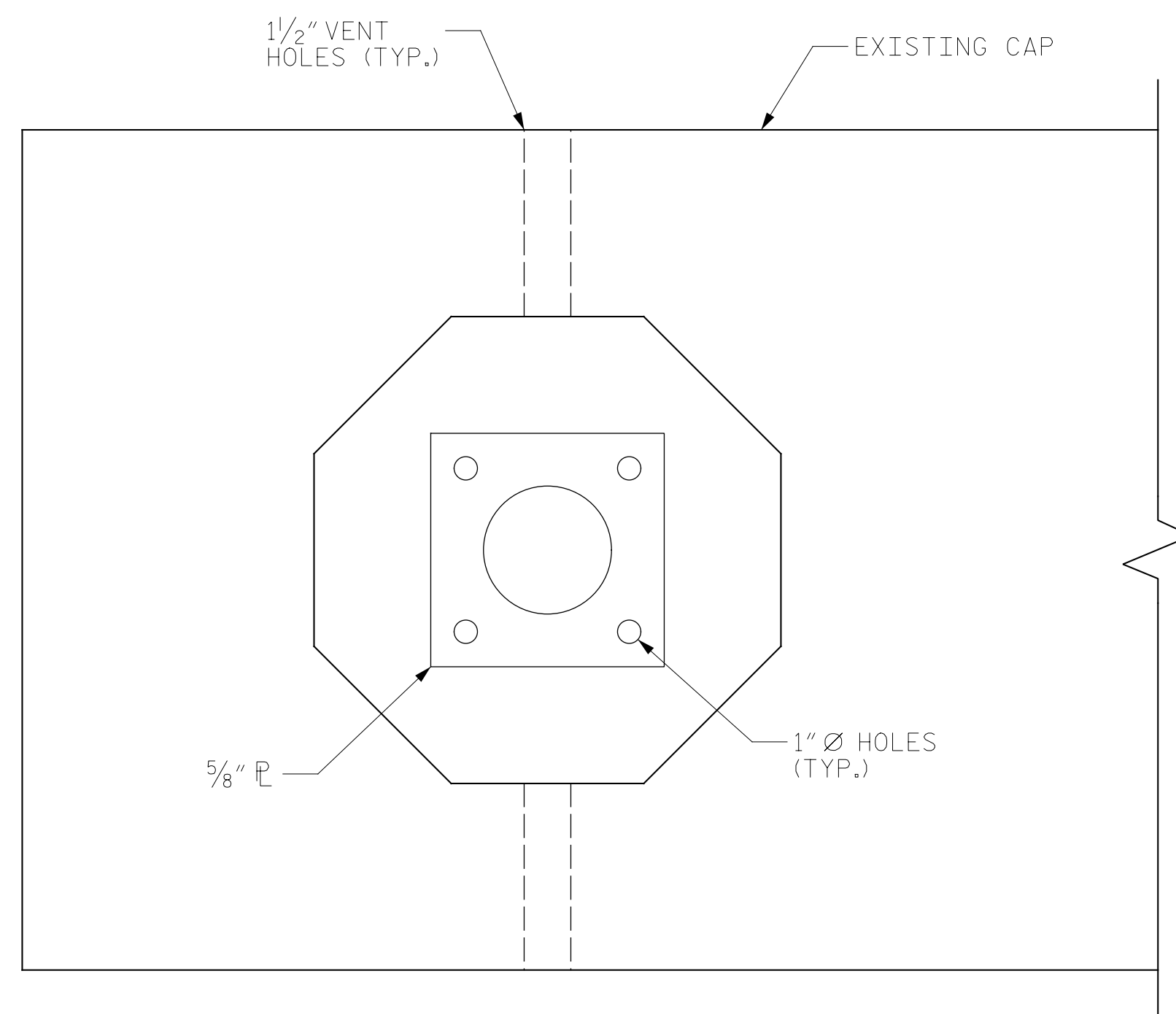


NOTES:

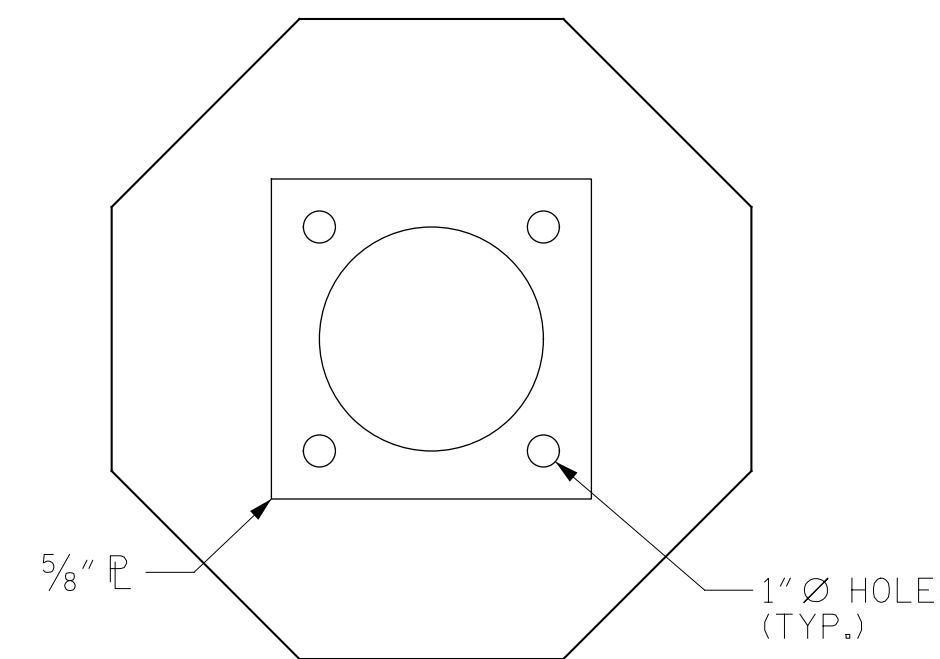
PILE SHORING POST SHALL BE SCH. 40 OR 80 STEEL AND GALVANIZED OR PAINTED WITH ONE COAT OF PRIMER IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS.

PLATES AND OTHER JACK ASSEMBLY HARDWARE SHALL BE GALVANIZED OR PAINTED WITH ONE COAT OF PRIMER IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS.

MECHANICAL ANCHORS SHALL BE GALVANIZED.



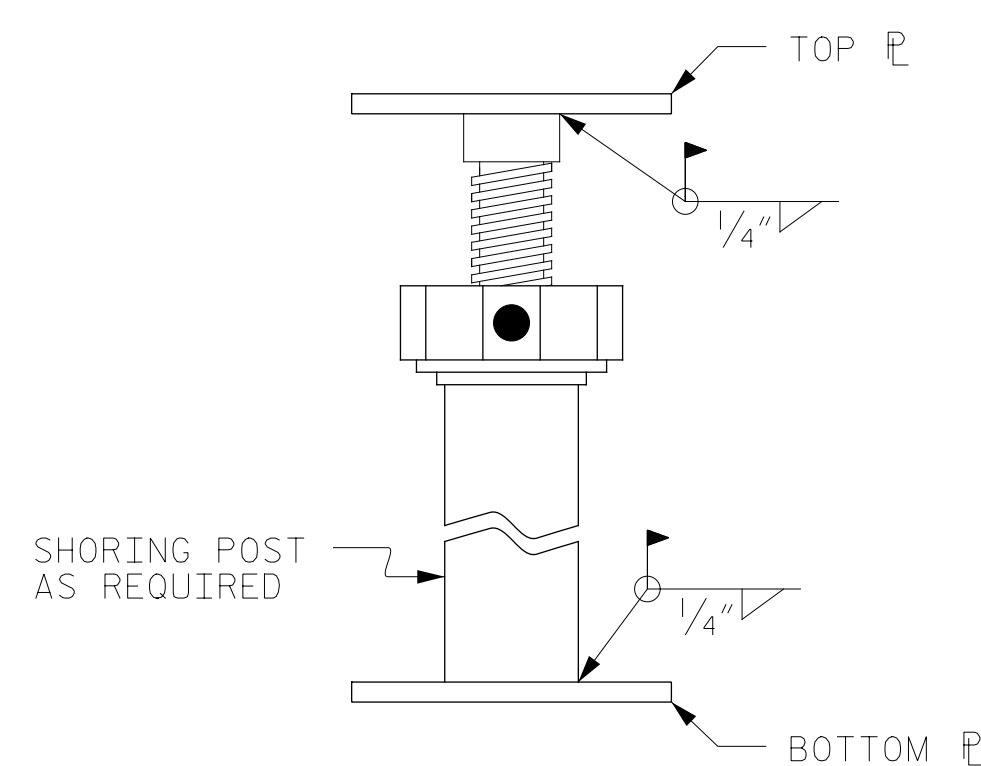
TOP PILE CAP DETAIL
20" PILE SHOWN 22" PILE SIMILAR



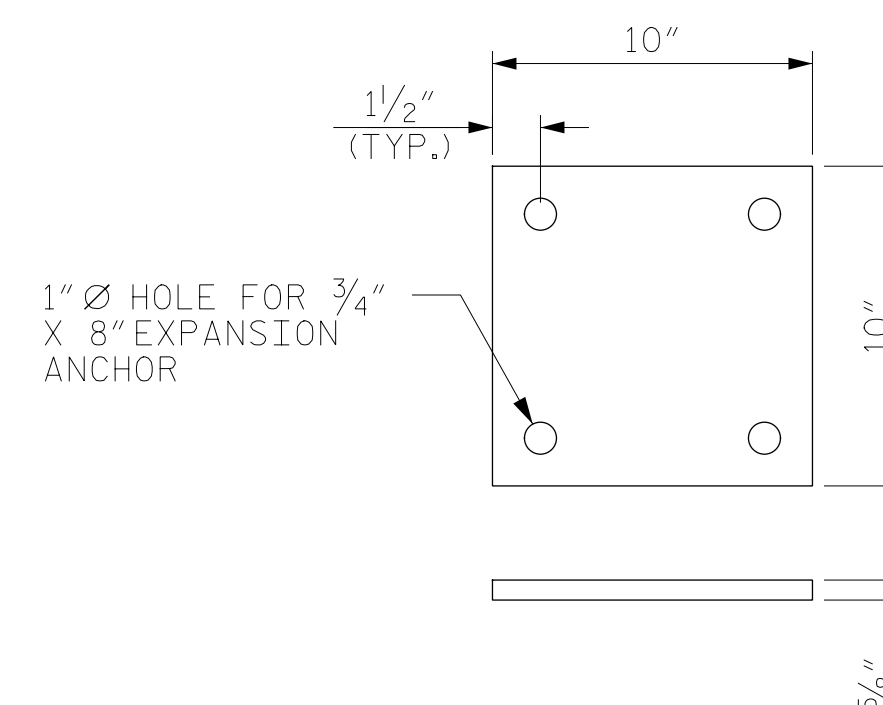
BOTTOM PILE CAP DETAIL
20" PILE SHOWN 22" PILE SIMILAR

REPAIR SEQUENCE FOR PILE SPLICING AND PRELOAD:

- 1.) FIELD DETERMINE PILE SPLICE ELEVATION IN PILE WHERE THERE ARE NO VISIBLE DEFECTS.
- 2.) MARK AND CUT PILE PERPENDICULAR TO THE PILE SLOPE.
- 3.) REMOVE EXISTING PILE HEAD FROM PILE CAP SOCKET.
- 4.) PREPARE EXISTING OCTAGONAL PILE FOR SPLICING. PROVIDE UNIFORMLY EVEN SURFACE UNDER THE JACKING PLATE.
- 5.) CUT PILE SHORING POST SECTION TO FIT AND FIELD WELD TO JACK AND JACKING PLATE.
- 6.) INSTALL PILE SPLICE AND SCREW JACK ASSEMBLY. CUT EXPOSED VERTICAL REINFORCING AS NEEDED TO INSTALL PILE SPLICE AND SCREW JACK ASSEMBLY.
- 7.) PRELOAD PILE SPLICE BY APPLYING A LOAD AS SPECIFIED BELOW WITH THE SCREW JACK:
- BENT 114 PILE NO. 1 - 30 KIPS
- 8.) ENCAPSULATE SPLICED PILE WITH PILE JACKET. SEE PILE JACKET DETAILS AND NOTES.
- 9.) ENSURE CONCRETE FILLS ANNUALR SPACE IN PILE CAP SOCKET. PROVIDE VENT HOLE IN PILE CAP SOCKET IF FILLED DURING JACKETING OR FILL POCKET WITH APPROVED GROUT FOR OVERHEAD APPLICATIONS.



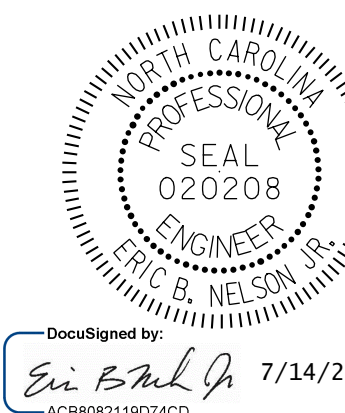
SCREW JACK DETAIL



TOP & BOTTOM PLATE

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

SHEET 3 OF 4



DocuSigned by:
Eric B. Nelson, Jr. 7/14/2022
 AC8802119214CD...

STATE OF NORTH CAROLINA
 DEPARTMENT OF TRANSPORTATION
 RALEIGH

PILE SPLICE &
 JACKET REPAIR
 SCREW JACK
 DETAILS

DRAWN BY : M.A. LEE DATE : 4/2019
 CHECKED BY : R. NELSON DATE : 4/2019



DOCUMENT NOT CONSIDERED
 FINAL UNLESS ALL
 SIGNATURES COMPLETED

REVISIONS						SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:	S-332
1			3			TOTAL SHEETS
2			4			355