SUPPLEMENTAL DETAILS OF HP14X73 PILE ENCASEMENT WITH PILE REPAIR

Note: This drawing is not to scale. Follow dimensions.

Standard Drawing Guidance
Do not show on plans:
- This sheet is supplemental to Details of Pile Repair Sheet. Use details that match the selected pile repair method. Delete all other details. Use general notes for either method.
- See EPG 751.40.1.2.1 for guidance on when coating, encasement or jacketing, and plating or partial pile replacement should be considered.
- Shear connectors are only used for partial pile replacement.

General Notes:
- All concrete for pile encasement shall be Class B (f'c = 3000 psi).
- The reinforcing steel shall be epoxy coated Grade 60 with fy = 60,000 psi.
- All bars shall be epoxy coated.
- Concrete Structures, Stirrup and Tie Dimensions.
- Hooks and bends shall be in accordance with the CRSI Manual of Standard Practice for Detailing Reinforced Concrete Structures, 7th Edition.
- Shear connectors shall be in accordance with Sec 712, 1037 and 1080. See Details of HP14X73 Pile Repair Sheet.

Exist. Ground Line

PART ELEVATION SHOWING PILE ENCASEMENT

Note: Existing sway bracing not shown for clarity. Sheet reinforcing steel in the area of pile plating or plating.

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SECTION SHOWING PILE ENCASEMENT WITH PILE PLATING

SECTION SHOWING PILE ENCASEMENT WITH PARTIAL PILE REPLACEMENT

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Shear Connectors (Typ.)

4" x 3/4"  (Max. Spacing)

3" AT ABOUT 2'-0" CTS.

D A T E

105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

INFORMATION NOTATION


DISTRICT

COUNTY

BRIDGE NO.

PROJECT NO.

CONTRACT ID.

BR

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SHEET NO.

MO

DATE PREPARED

7/26/2017

MODOT 3D DOCUMENT.

NOTE: THIS MEDIA SHOULD NOT BE CONSIDERED "THIS MEDIA SHOULD NOT BE CONSIDERED