



NOTES:

1. DIMENSIONS ARE SQUARE TO BEAMS.
2. UTILITY SLEEVES SHALL BE STEEL PIPE CONFORMING TO ASTM A-53, TYPE S, GRADE B, STANDARD WEIGHT, PLAIN ENDS, HOT-DIP GALVANIZED AND SHALL BE SET IN THE FORMS PRIOR TO PLACING ABUTMENT DIAPHRAGM CONCRETE.

UTILITY DETAILS AT ABUTMENT

SCALE: $\frac{1}{2}" = 1'-0"$

NOTES:

1. Designer shall contact the respective utility owners and send copies of all correspondence to the Utilities/Railroad Engineer regarding which utilities are to be carried by the structure and what the required sleeve diameters shall be.
2. Minimum clearances between the outsides of the sleeves shall be 4".
3. Label all utilities and utility pipe diameters.
4. For those bridges which do not carry Interstate Highways and are not currently required to support a utility, provide a single 16" ϕ sleeve in the bay under the sidewalk, as a provision for future utility placement.



LRFD BRIDGE
MANUAL, PART II

UTILITY DETAILS
AT ABUTMENT
INTEGRAL ABUTMENTS

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