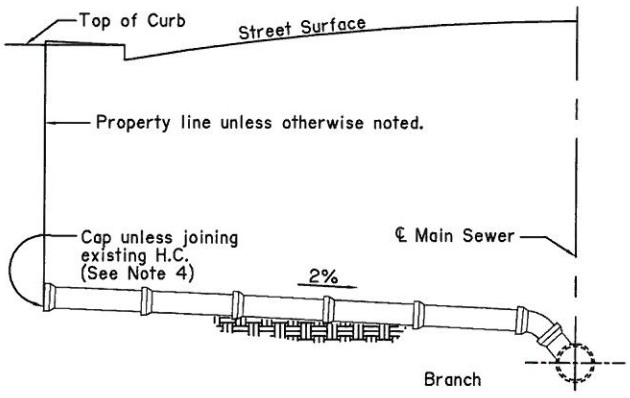
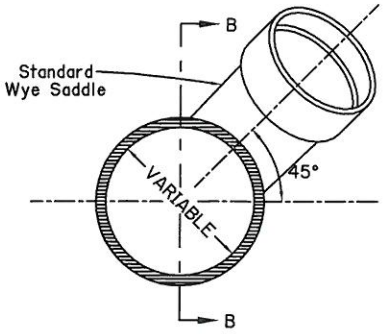
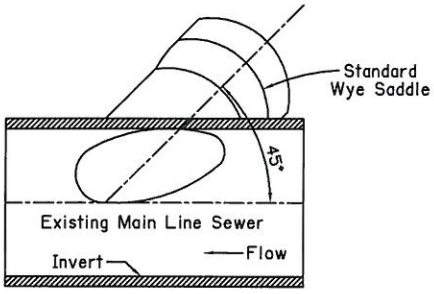


NOTES

1. Except as otherwise indicated on the project plans, all house connection sewers shall be constructed on straight lines and grades between control points and elevations.
2. All house connection sewer pipe shall be 6 inch unless otherwise indicated and shall be vetrified clay pipe unless otherwise specified.
3. Except as controlled by elevations indicated on the project plans, the slope for all pipes shall be 2 percent (S = 0.02). Slopes other than 2 percent shall require the City Engineer's approval.
4. Branches shall be either saddles or wyes and shall be rotated upward from the horizontal to an angle of 22-1/2 degrees to 45 degrees when saddles are used. Bends are not required but may be used at the option of the contractor. When the branch rotation does not conform to the slope of the house connection sewer, pulled joints may be used for adjustment.
5. The maximum deflection at each joint for 6 inch vitrified clay pipe house connection sewers shall be 4 degrees, which is equal to a pull of 9/16 inch for a 6 inch pipe. (Pull is defined as the separation of the abutting pipe ends on the convex side of the curve measured at the outside pipe barrel).
6. Chisel a 4" high "S" in curb face

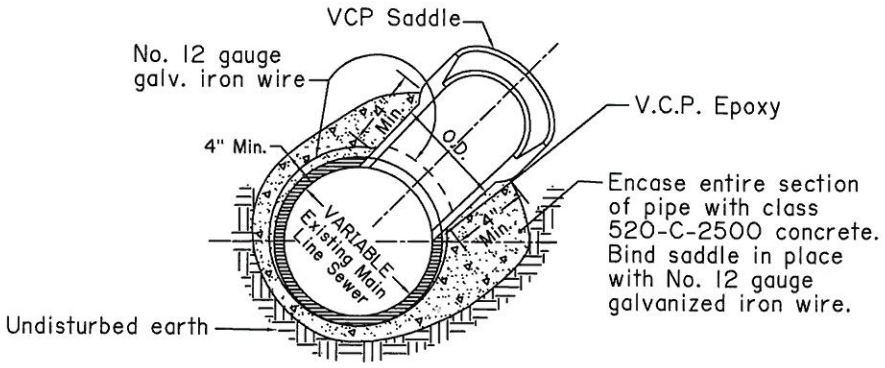


END VIEW



STANDARD V.C.P. WYE

1. Standard V.C.P. Wye to be installed using bond seals.



V.C.P. SADDLE NOTES

1. A saddle shall be installed by core drilling a neat hole conforming to the inside diameter of the saddle.
2. Broken pieces from cutting of the main line sewer must be extracted carefully prior to placement of the saddle.
3. The saddle shall be cemented into place using class "D" cement mortar per section 201-5.1 or V.C.P. epoxy approved by the City Engineer. The saddle shall be held securely in place while the cement or approved epoxy sets the inside of the joint between pipe and saddle. Saddle shall be filled with cementing material and neatly rounded.
4. Encase entire pipe with class 520-C-2500 concrete.
5. New sewer lateral connection to be constructed a minimum 4' from existing manhole.

DRAWN U.C.
DATE 5/21/97

STD. NO.
209B

CITY OF FULLERTON
ENGINEERING DEPARTMENT

STANDARD SEWER LATERAL CONNECTIONS

APPROVED JK Hall DATE 8-18-10
DIRECTOR OF ENGINEERING

REVISED
DATE 1/10/02