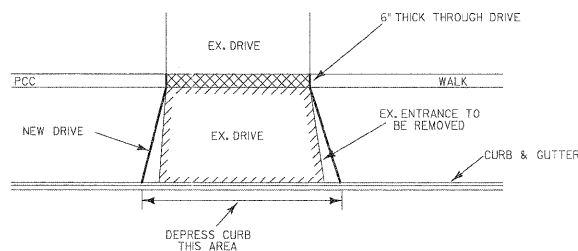
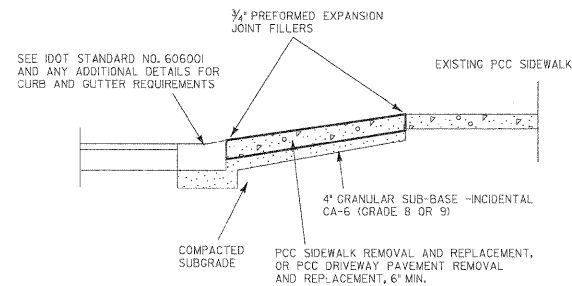


NOTES:
 1. Thrust Blocks to be Used at 1/16th or Greater Bends.
 2. Thrust Blocks to be Poured Against Firm Undisturbed Soil. Use Class "SI" Concrete.

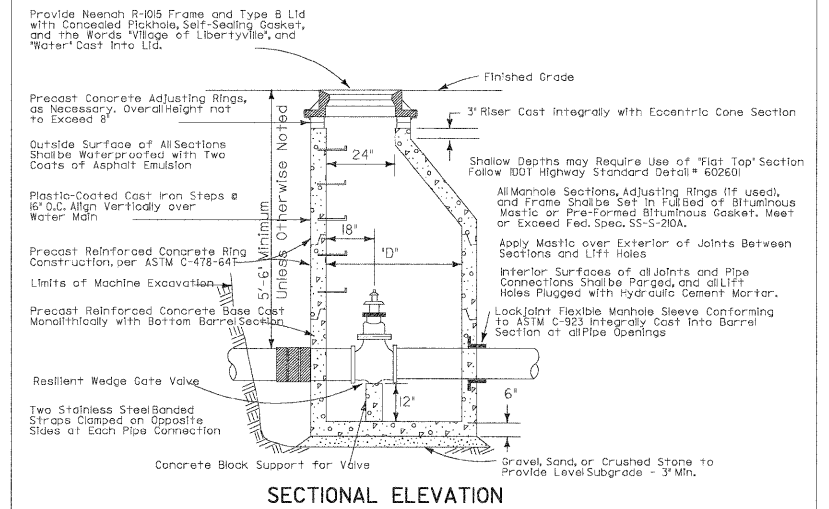
THRUST BLOCK INSTALLATION

ENGINEERING DIVISION CELL LIBRARY DTL5.CEL CELL NAME DTL00
 VILLAGE OF LIBERTYVILLE STANDARD NO. 010



SIDEWALK AND DRIVEWAY REPLACEMENT

ENGINEERING DIVISION CELL LIBRARY DTL52.CEL CELL NAME DTL012
 VILLAGE OF LIBERTYVILLE STANDARD NO. 012



- NOTES:**
- Dimension "D" Shall be 48" When Watermain is Less Than 10" In Diameter, and 60" When Diameter of Main is 10" or Larger.
 - For Valve Vaults Constructed Over Existing Mains, Such as at Pressure Connections or for Valve Insertions, Refer to Pressure Connection Detail.
 - The Contract Unit Price For "Valve Vault" Shall Include the Cost of Furnishing and Placing 3" Leveling Base as Specified, and the Cost of Furnishing and Placing the Specified Frame and Cover.
 - Frame Opening Shall be Aligned Over Operating Nut so that Valve can be Keyed Without Twist or Torque.

WATERMAIN VALVE VAULT

Issued 3-27-88	Approved by: DLR
By PDS	Date 12-5-90
VILLAGE OF LIBERTYVILLE DEPARTMENT OF PUBLIC WORKS ENGINEERING DIVISION	
STANDARD NO. 017	