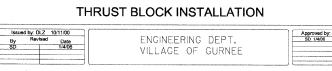
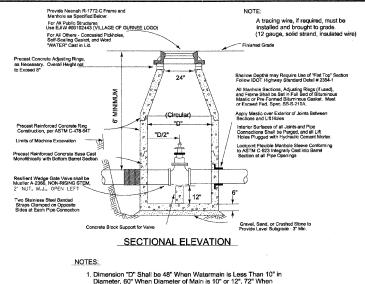


- . Restrained <u>Magalug)</u>or equivalent required on all fittings.
- 2. Thrust Blocks to be used at 22 1/2 or greater bends.
- 3. Thrust Blocks to be poured against firm undisturbed

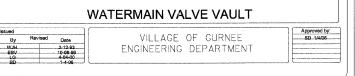
soil. Use Class "X" Concrete.
4. Sacrificial zinc anode nuts are to be installed on all bolts

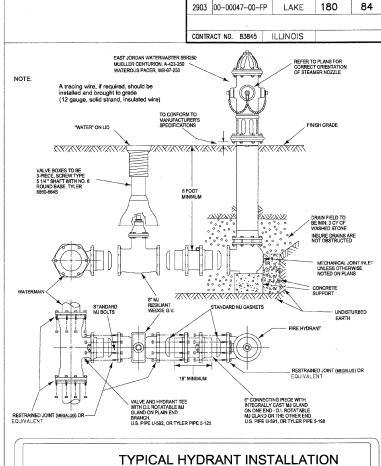




- Dimension "D" Shall be 48" When Watermain is Less Than 10" in Diameter, 60" When Diameter of Main is 10" or 12", 72" When Diameter of Main is 14" or 16", and 84" When Diameter of Main is
- For Valve Vaults Constructed Over Existing Mains, Such as at Pressure Connections or for Valve Insertions, Refer to Pressure
- 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.

5. Use offset cones only when needed to center valve otherwise concentric





VILLAGE OF GURNEE

ENGINEERING DEPARTMENT

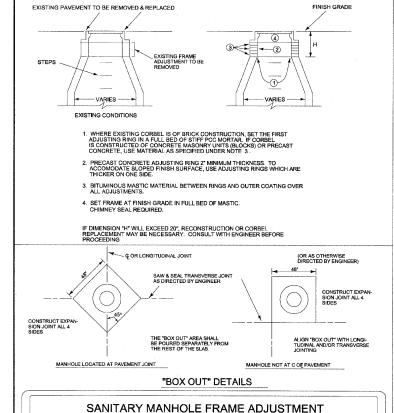
SECTION

COUNTY

TOTAL SHEETS

SHEET.

Approved by: SD 1/4/06



ENGINEERING DEPT.

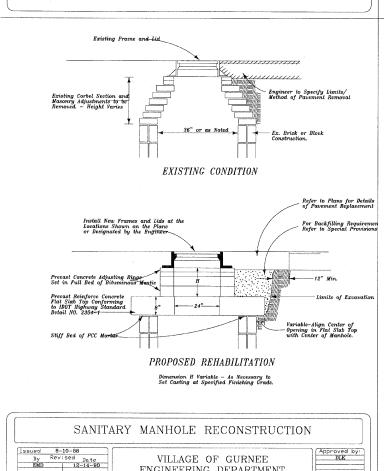
VILLAGE OF GURNEE

Approved by: SD 1/4/06

Issued by: DLZ 10/11/00 By Revised

Date

Ву



ENGINEERING DEPARTMENT

STANDARD NO.

029



PROPOSED ROADWAY WIDENING AND INTERSECTION IMPROVEMENTS TRI STATE PARKWAY

> SCALE: H: 1"=20' V: 1"=5' DATE: 10-05-04

DRAWN BY: CGP DESIGNED BY: TPG CHECKED BY: BLS

PLANS PREPARED BY: GEWALT HAMILTON REV.-1 IDOT COMMENTS 02-03-06 REV.-2 PLANS STAGED 06-02-0 Consulting Engineers & Surveyors 859 Forest Edge Brive Vernon Hills, IL 60061 (847) 478-9700 (847) 478-9701 Fax REV.-5 PRE-FINAL SUB 02-20-09 PS&E SUBMITTAL 04-10-09