

## 000002-M-0005-1

## Installation

### Periodic Maintenance

For air valve without back wash as follows:

(Each 6 months and according to local conditions)

- 1) Shut the isolating valve underneath the air valve.
- 2) Open pressure relief valve (3) as internal pressure inside the air valve.
- 3) Open and remove the two parts.
- 4) Pull out the top part, wash the inside of the air valve.
- 5) Reassemble the two parts and fit the gasket.
- 6) Pay attention to correct placement of the gasket.
- 7) Re-open the inlet isolating valve.

the air valve make sure the hood is released from the clamp. (2) The camshaft and the

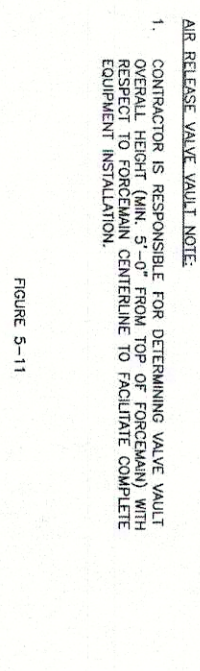
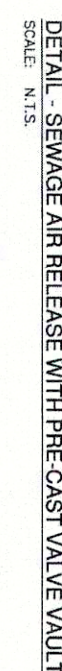


FIGURE 5-

**A.R.I.**

difficulties than a direct flow wall. It accomplishes this by having counterflow laminar air flow for a wide section on areas from an 18" bore

### Combination Air Valve for Wastewater - Short Version

### Description

## Description

The D-425 Combination Air Valve combines an air vacuum component and an air release component in a single body. The valve is specifically designed to operate with liquid carrying and pumping such as wastewater and effluents. The combination air valve discharges air from the system during the filling or emptying of the system, thereby air in the system during starting and air removal during operation and reduces accumulated air (gas) from the system while a turbine under pressure. The valve's unique design controls the expansion of the liquid from the sudden inclusion and ensures optimum working conditions.

## Applications

- Wastewater & water treatment plants.
- Sewerages and effluents water transmission lines.

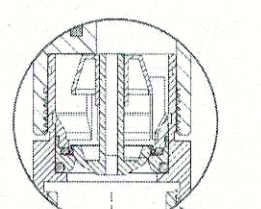
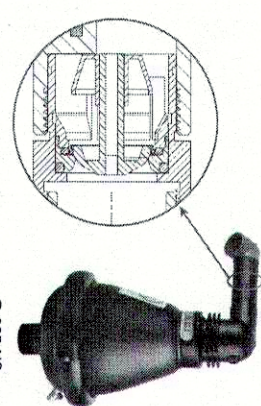
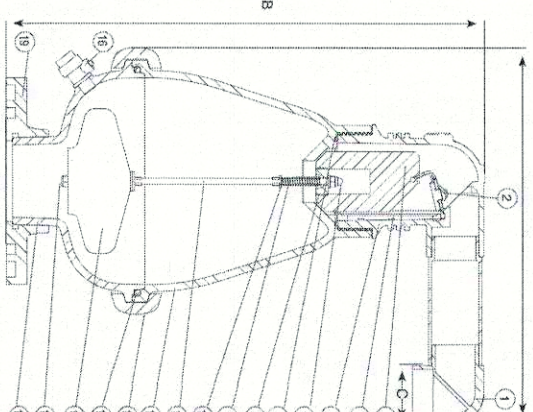
### Application

[illegible]

by outer cobwebs  
the spinn.

The air release component releases entrapped air to prevent rots.

## PARTIAL LIST AND SPECIFICATIONS

[illegible]

| D-025 Non-Steam Single-Orifice Add-on Component Data Table |                      |                      |            |                                  |
|------------------------------------------------------------|----------------------|----------------------|------------|----------------------------------|
| Nominal<br>Size                                            | Discharge<br>orifice | Total NS<br>Area     | NS orifice | Switching<br>point               |
| 2" (50mm)                                                  | 3/8 in.              | 12.6 cm <sup>2</sup> | 4 mm       | Spring loaded<br>normally-closed |
| 3" (75mm)                                                  | 3/2 in.              | 4 mm                 | 17.5 mm    |                                  |

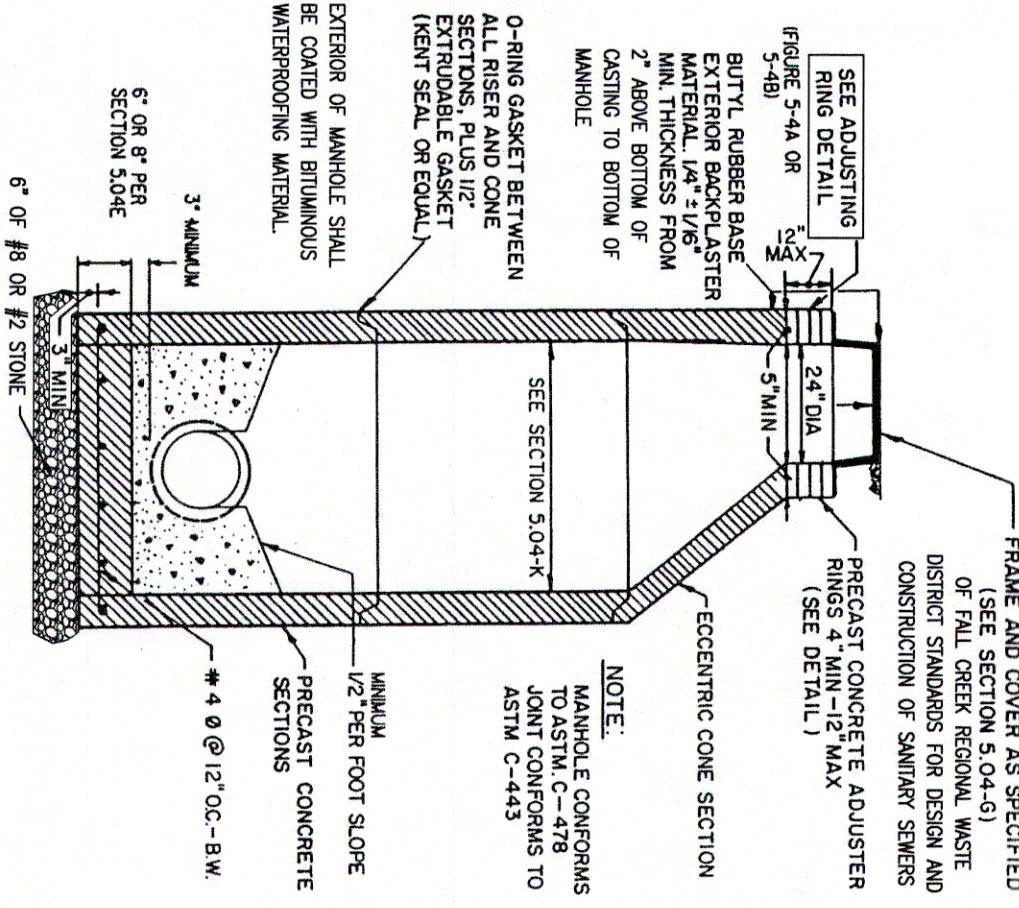
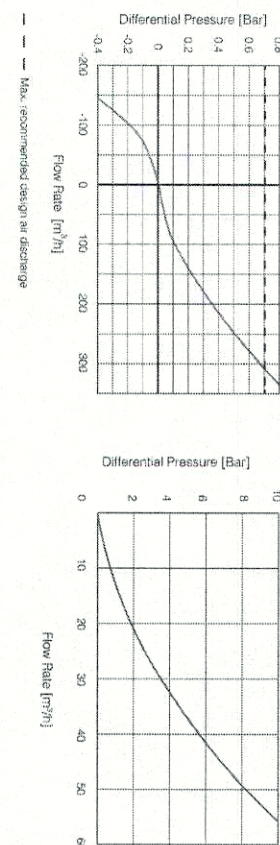


FIGURE 5-

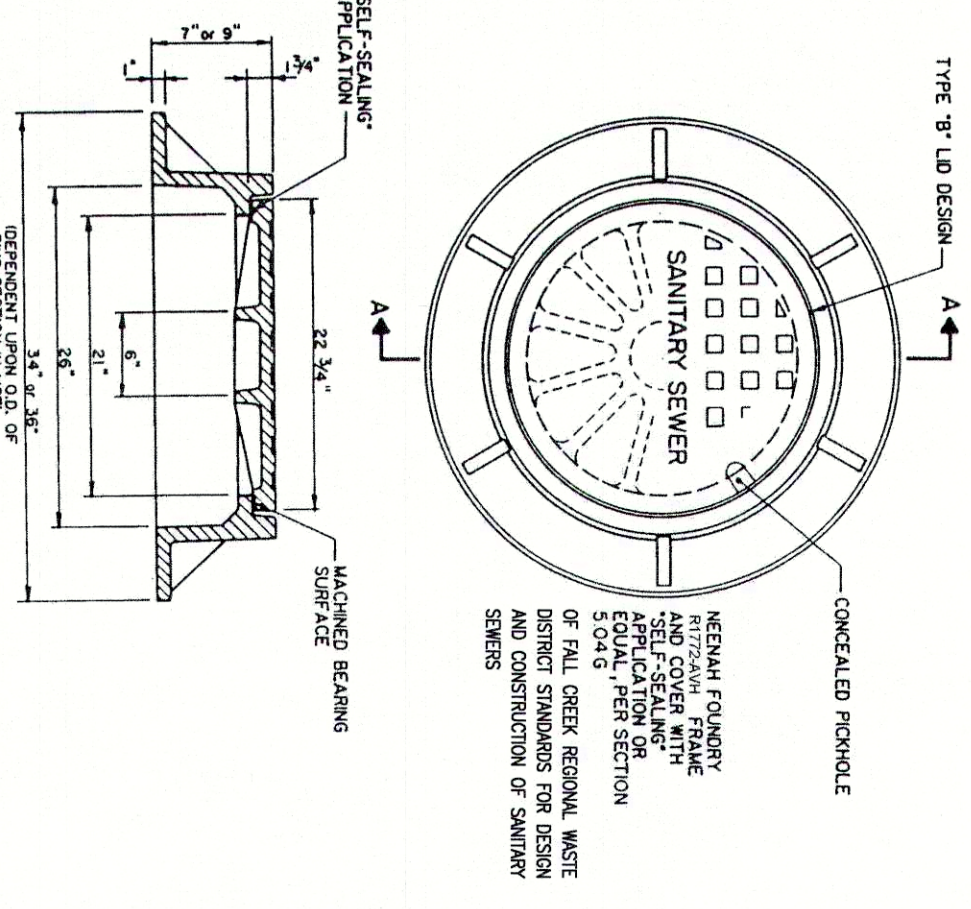


FIGURE 5-7

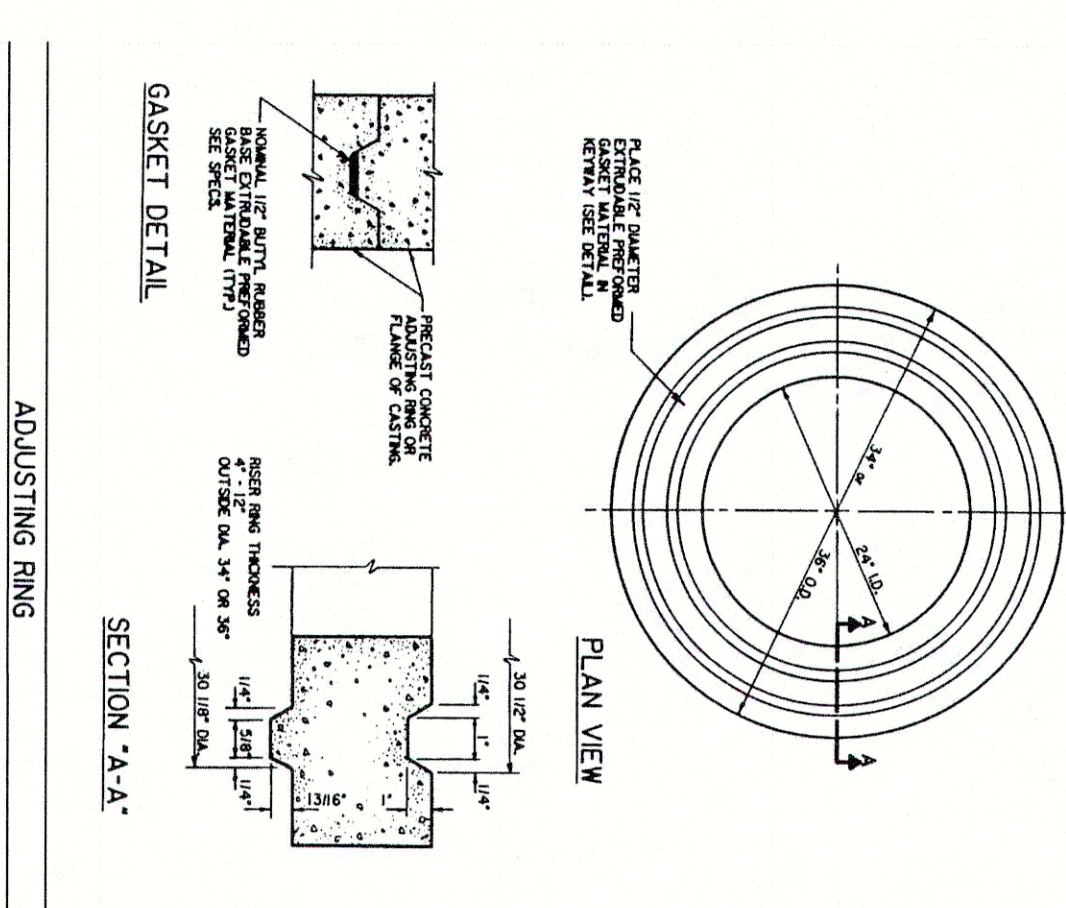


FIGURE 5-4A

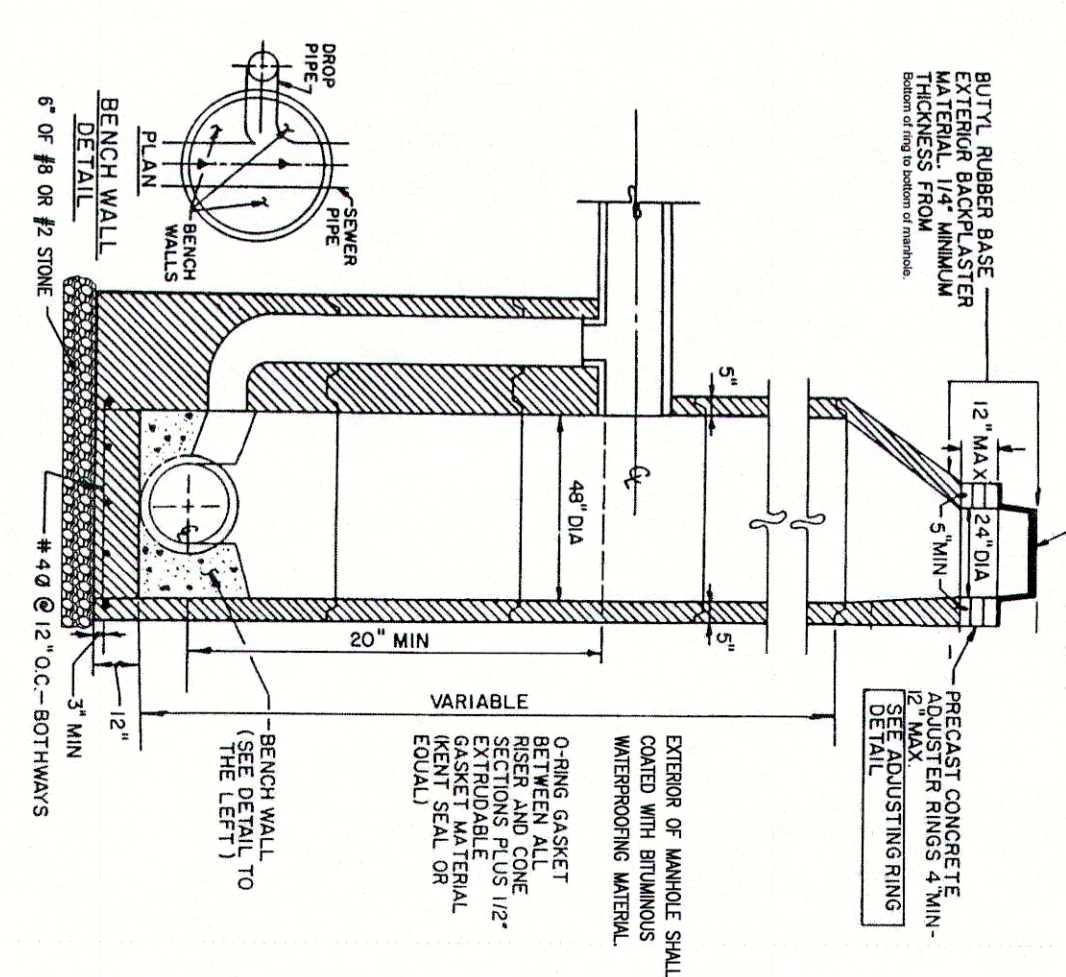


FIGURE 5-8

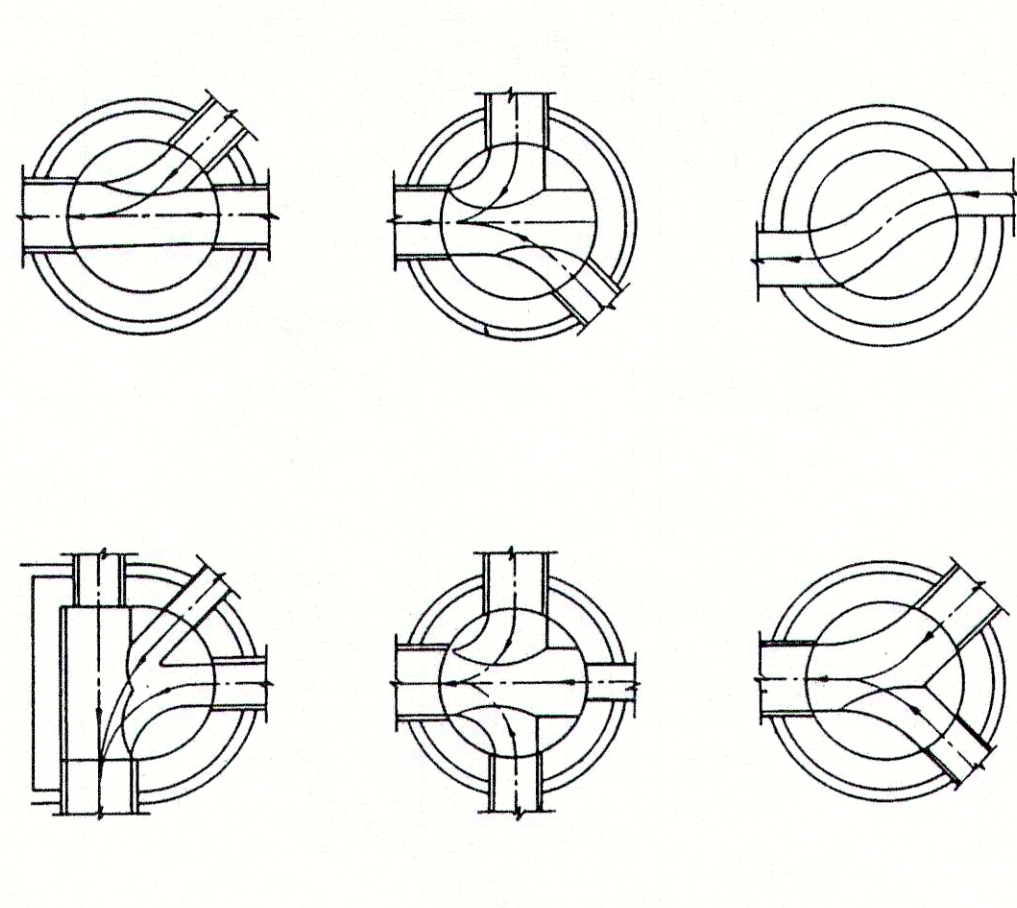


FIGURE 5-6

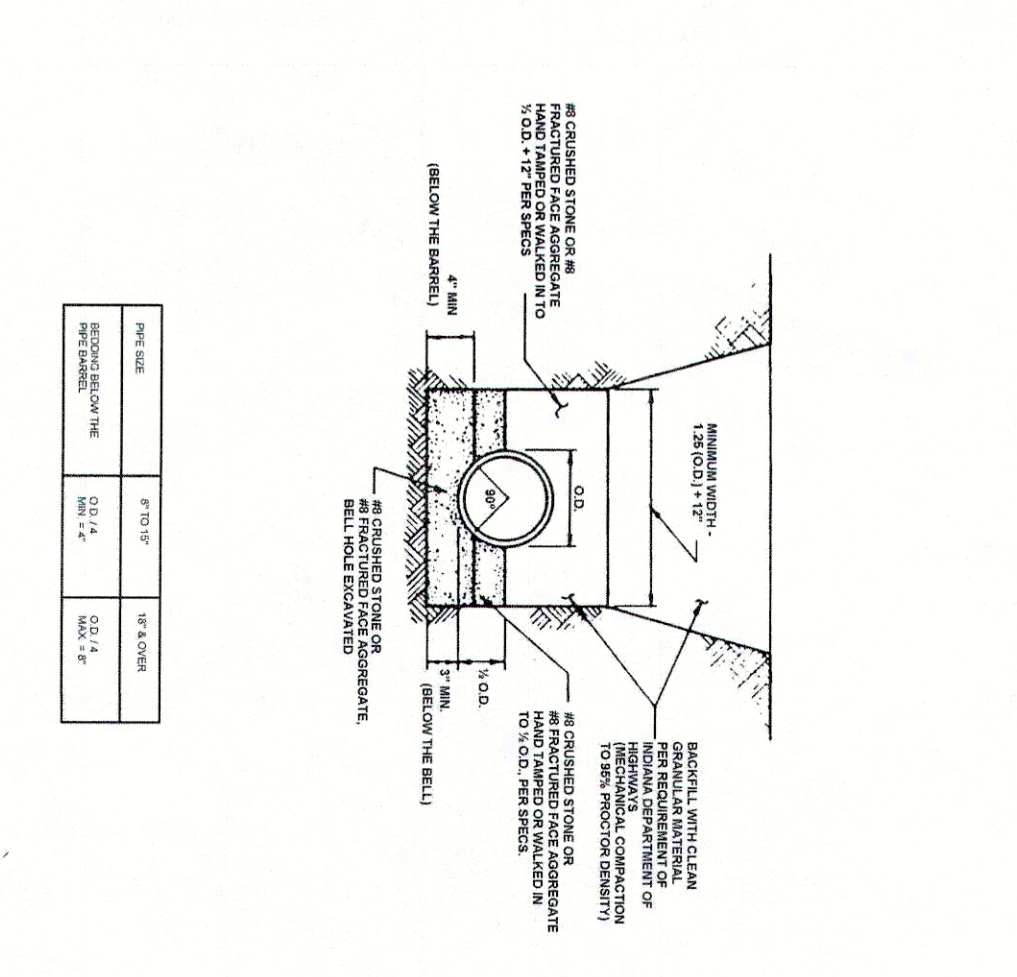


FIGURE 7-1

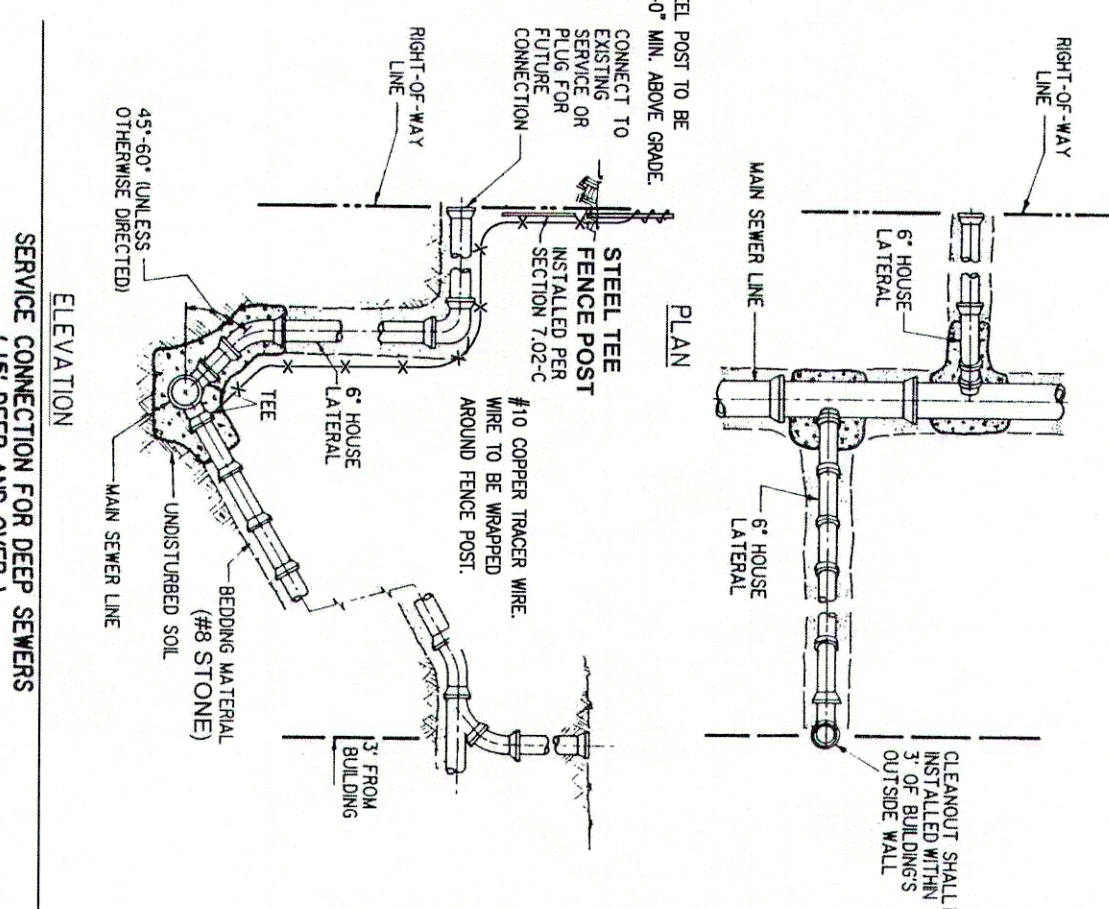


FIGURE 7-5

[illegible]

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SPRINGBROOK  
SECTION 1A

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SANITARY SEWER DETAILS

|                          |  |
|--------------------------|--|
| DRAWN BY                 |  |
| TD                       |  |
| CHECKED BY               |  |
| SD                       |  |
| DATE                     |  |
| NOVEMBER 8, 2018         |  |
| SCALE                    |  |
| AS SHOWN                 |  |
| JOB NUMBER<br>2017-271-A |  |
| SHEET                    |  |

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