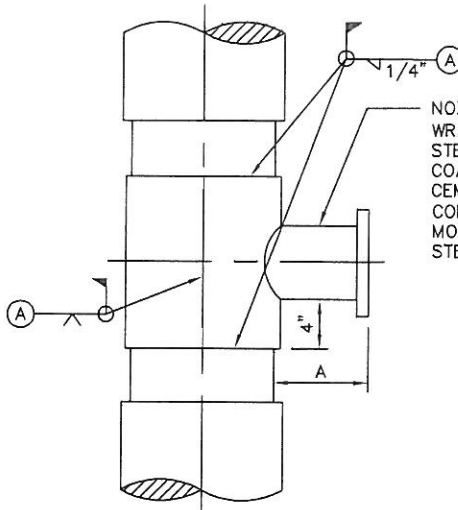
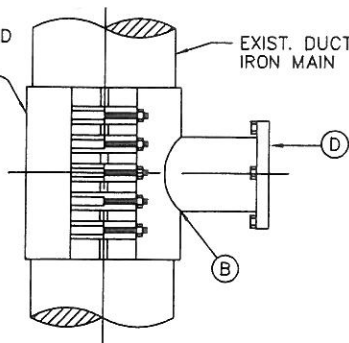


APPROVED  
TAPPING  
SLEEVE

EXIST. DUCTILE  
IRON MAIN



NOZZLE AND FULL  
WRAPPER TO BE  $\frac{1}{4}$ " (MIN.)  
STEEL-CEMENT MORTAR  
COATED. NOZZLE TO BE  
CEMENT MORTAR LINED.  
CONTRACTOR TO APPLY  
MORTAR ON EXPOSED  
STEEL CYLINDER.

#### NOZZLE DIMENSIONS

| * TAP SIZE | DIMENSION 'A'      |
|------------|--------------------|
| 4 IN       | 5 IN               |
| 6 IN       | 6 IN               |
| 8 IN       | 6 $\frac{3}{4}$ IN |
| 10 IN      | 7 IN               |
| 12 IN      | 7 $\frac{1}{2}$ IN |

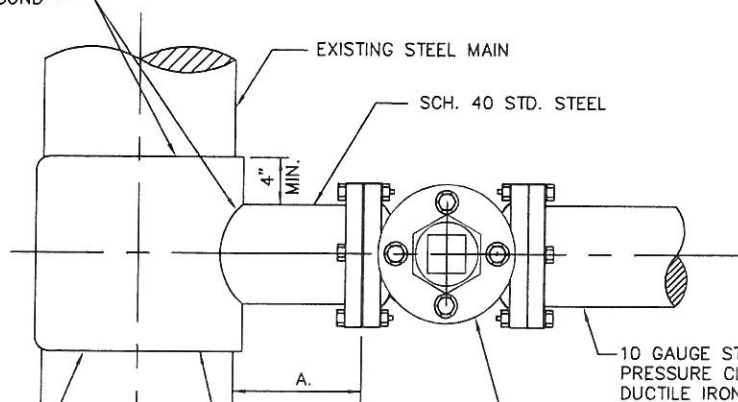
#### CONSTRUCTION NOTES

- (A) WELD NOZZLE TO PIPE
- (B) AIR TEST NOZZLE
- (C) TAP PIPE
- (D) INSTALL TAPPING SLEEVE

FILLET WELD  
ALL AROUND

EXISTING STEEL MAIN

SCH. 40 STD. STEEL

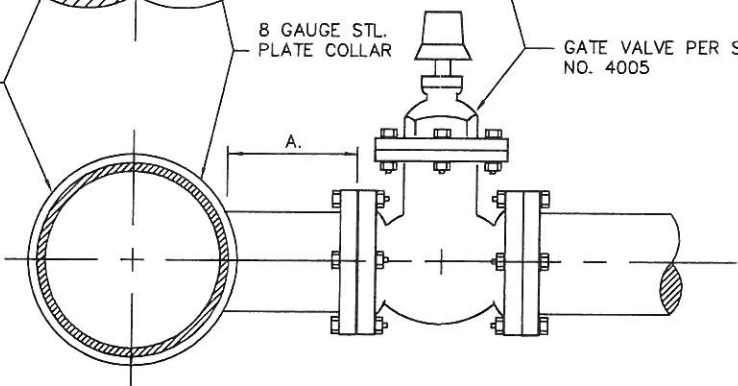


10 GAUGE STEEL, CML&C OR  
PRESSURE CLASS 350  
DUCTILE IRON PIPE

8 GAUGE STL.  
PLATE COLLAR

GATE VALVE PER STD. DWG.  
NO. 4005

SEE NOTE  
BELOW



#### NOTES

- (1) FILLET WELDS SHALL BE PER AWWA C-206, "FIELD WELDING OF STEEL WATER PIPE."
- (2) SIZE ON SIZE CONNECTIONS REQUIRE THE INSTALLATION OF A TEE, AND VALVE ASSEMBLY OF THE SAME MATERIAL AS THE MAIN OR AS APPROVED BY THE CITY.



|                                                 |             |          |            |
|-------------------------------------------------|-------------|----------|------------|
| APPROVED BY:                                    |             | 11-22-10 |            |
| LOUIS ABI-YOUNES, CITY ENGINEER                 |             | 44485    |            |
| RECOMMENDED:                                    |             | 10/25/10 |            |
| SCOTT BURTON, UTILITIES ENG/OPERATIONS DIRECTOR |             | 57875    |            |
| REV                                             | DESCRIPTION | BY       | APP'D DATE |
|                                                 |             |          |            |

CITY OF ONTARIO

"HOT-TAP" DETAIL

STANDARD  
DRAWING  
NUMBER

4106