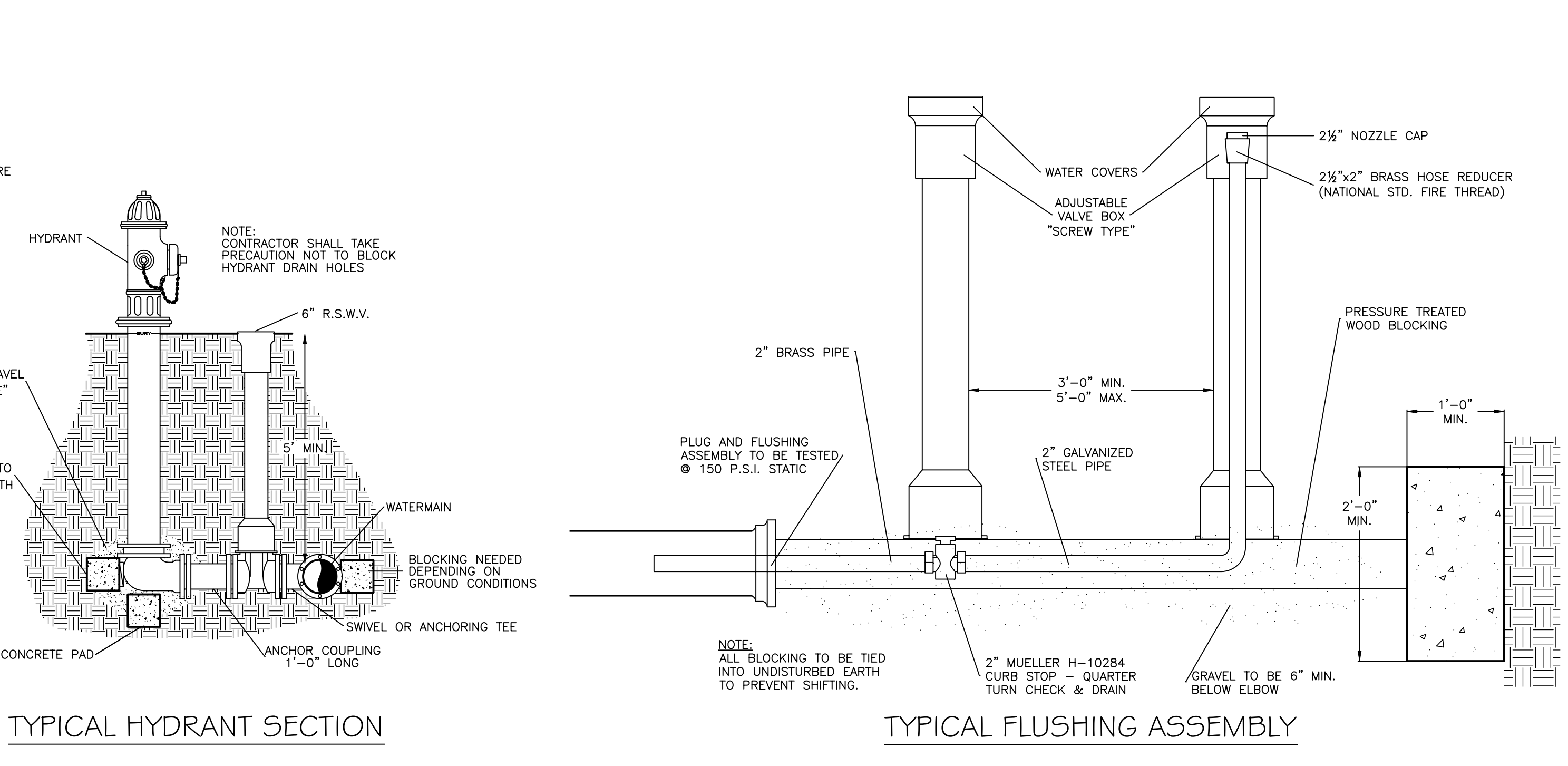
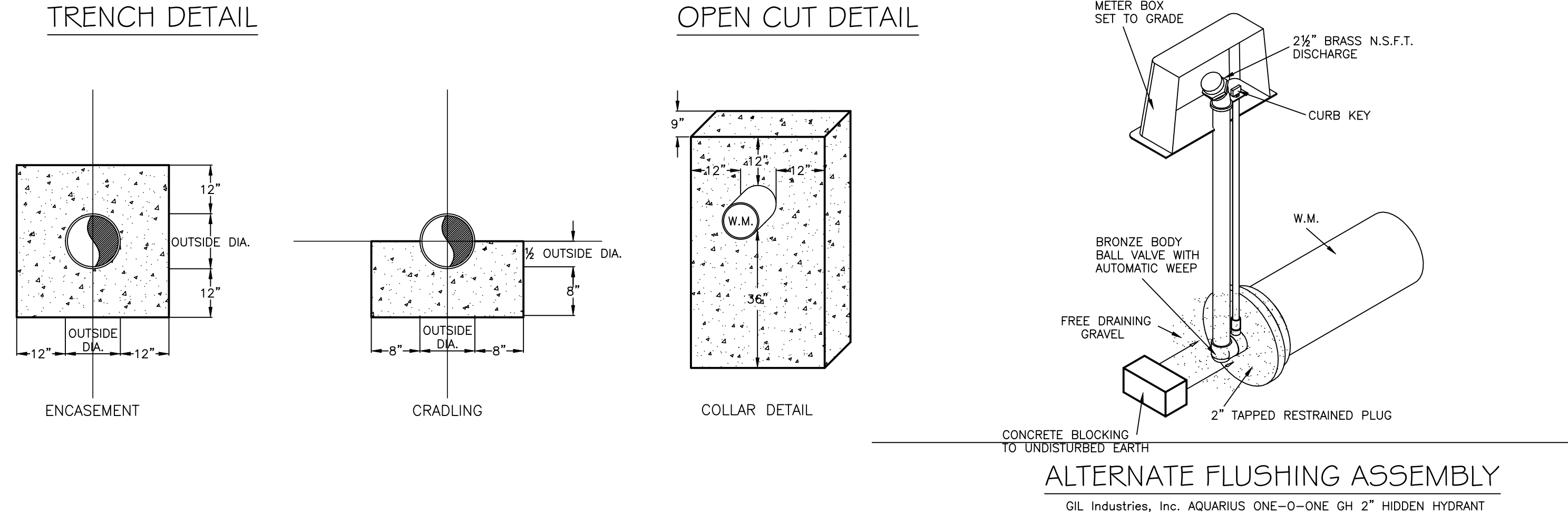
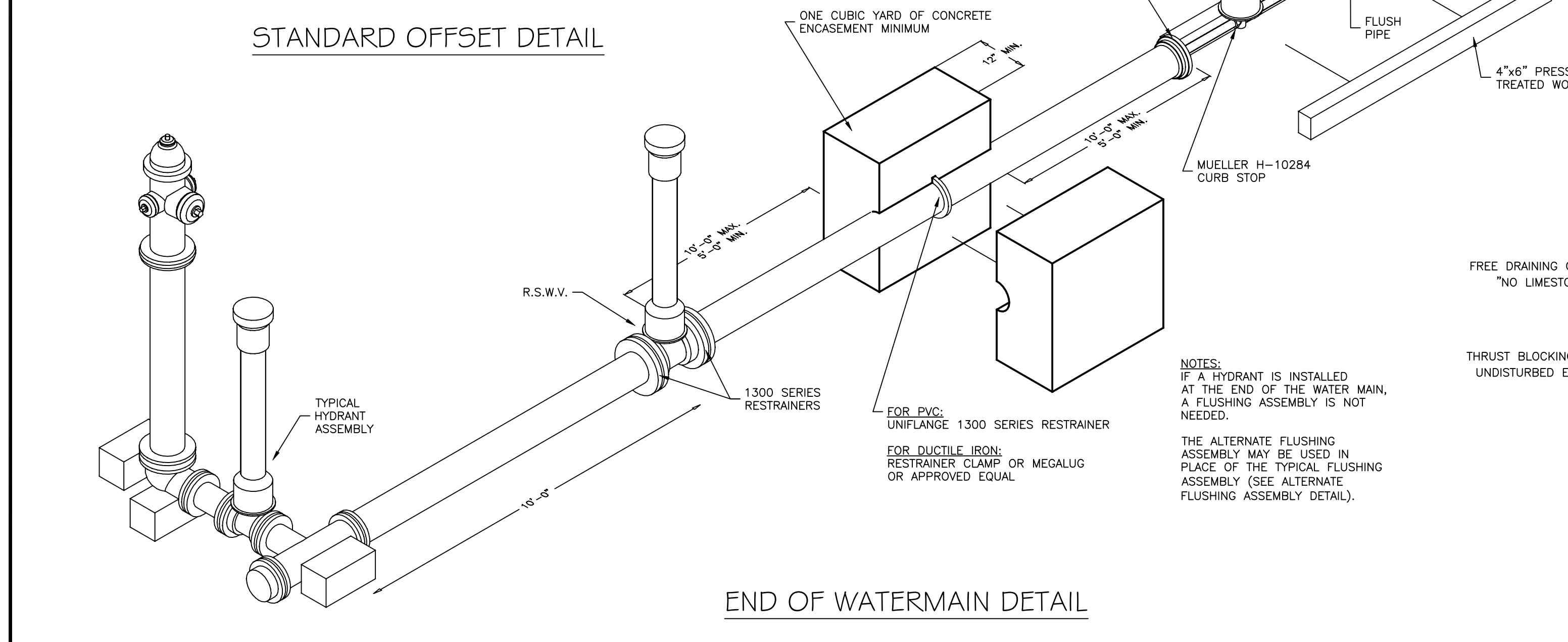


**TEES**

| RUN        | BRANCH   |     |     |     |     |     |     |     |
|------------|--|-----|-----|-----|-----|-----|-----|-----|
|            | 3", 4", 6"   |     | 8"  |     | 12" |     | 16" |     |
|            | L  | D   | L   | D   | L   | D   | L   | D   |
| 3", 4", 6" | 16"  | 7"  |     |     |     |     |     |     |
| 8"         | 14"  | 8"  | 18" | 12" |     |     |     |     |
| 12"        | 9"   | 12" | 18" | 12" | 24" | 18" |     |     |
| 16"        | 8"   | 16" | 14" | 16" | 28" | 16" | 30" | 26" |
| > 16"      | TO BE DETERMINED IN FIELD BASED ON GROUND CONDITIONS |     |     |     |     |     |     |     |

**BENDS**

| SIZE OF PIPE | DEGREE OF BEND                                       |     |         |     |     |     |     |     |
|--------------|--|-----|---------|-----|-----|-----|-----|-----|
|              | 11 1/2°  |     | 22 1/2° |     | 45° |     | 90° |     |
|              | L  | D   | L       | D   | L   | D   | L   | D   |
| 3", 4", 6"   | 8"   | 6"  | 10"     | 6"  | 20" | 6"  | 36" | 6"  |
| 8"           | 9"   | 8"  | 14"     | 8"  | 24" | 8"  | 50" | 8"  |
| 12"          | 14"  | 12" | 22"     | 12" | 30" | 15" | 60" | 15" |
| 16"          | 18"  | 16" | 24"     | 18" | 33" | 36" | 70" | 22" |
| > 16"        | TO BE DETERMINED IN FIELD BASED ON GROUND CONDITIONS |     |         |     |     |     |     |     |



|                |                  |                                       |              |      |
|----------------|------------------|---------------------------------------|--------------|------|
| COUNTY: MEDINA | TOWNSHIP: MEDINA | DATE: MAY 2010                        | REVIEWED BY: | BY:  |
| DRAWN BY:      |                  | SCALES: HORIZONTAL N/A / VERTICAL N/A |              |      |
| DESCRIPTION    |                  |                                       |              | DATE |

**WATER MAIN STANDARDS**

STA. 0+00 TO STA. 0+00

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PLAN PREPARED BY:  
**MEDINA COUNTY**  
**SANITARY ENGINEER**  
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|                |             |
|----------------|-------------|
| PROJECT NUMBER | 000/00-00.0 |
| SHEET NUMBER   | 1 / 1       |