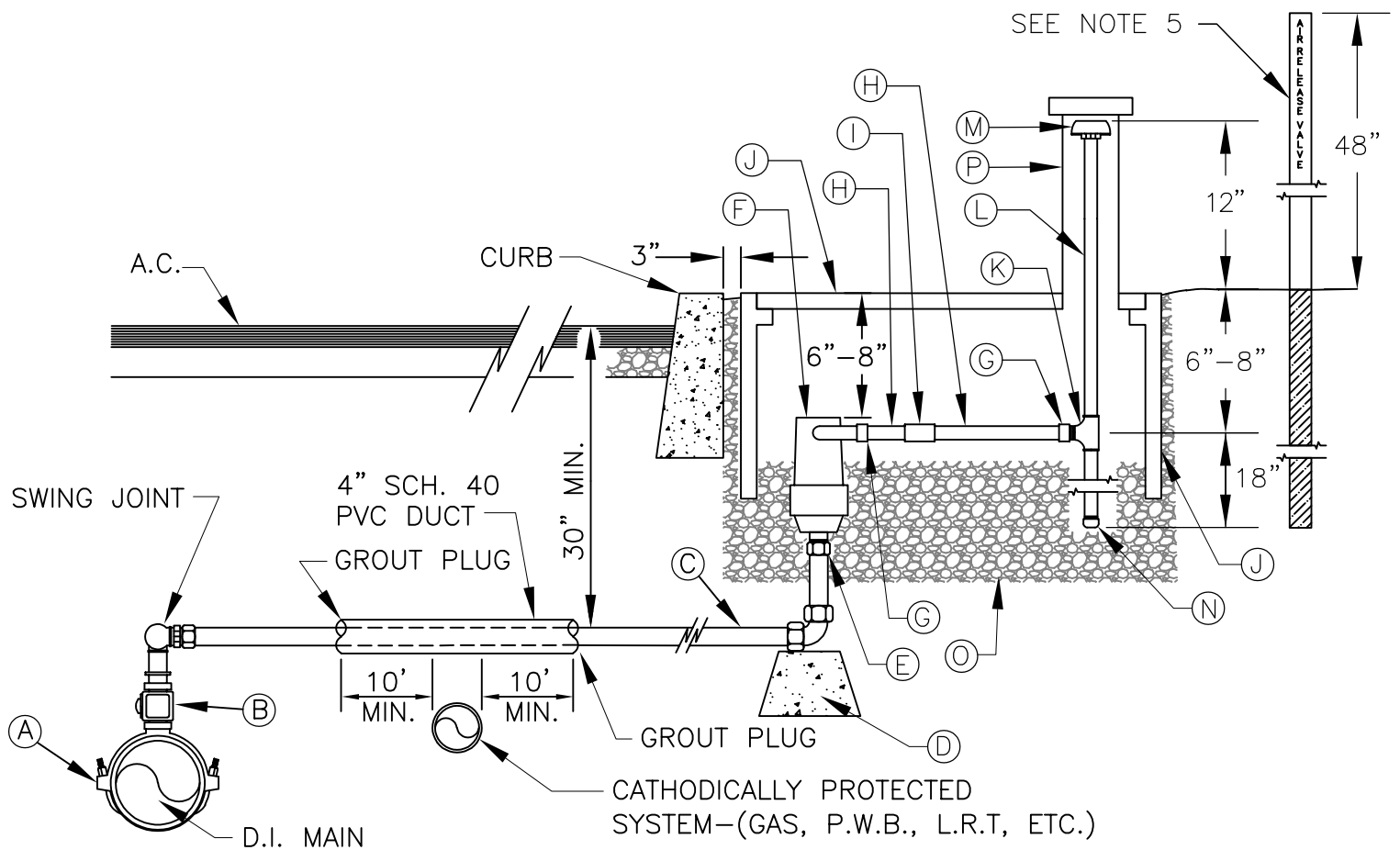




#### MATERIALS:

- |                                                         |                                                                                          |
|---------------------------------------------------------|------------------------------------------------------------------------------------------|
| A. SERVICE SADDLE.                                      | I. 1-1/2" PVC COMPRESSION COUPLING                                                       |
| B. MUELLER B25028N OR FORD FB500-7-NL CORP. STOP.       | J. HUBBELL QUAZITE B03173012M OR DFW 1730C4-12 BOX. PROVIDE ARV COVER PW/3618 (F36) LID. |
| C. 2" ASTM B-88, RIGID COPPER.                          | K. 1-1/2" GALV. OUTLET TEE                                                               |
| D. 8"x8"x8" CONCRETE PIER BLOCK                         | L. 1-1/2" GALV. PIPE                                                                     |
| E. 2" CTS x FIPT COUPLING                               | M. 1-1/2" SCREENED TANK VENT                                                             |
| F. 2" COMBINATION AIR VALVE (CARV) A.R.I. MODEL D-040-P | N. 1-1/2" GALV. PIPE CAP                                                                 |
| G. 1-1/2" PVC SCH 40 MIP x SLIP (GLUE)                  | O. 3/4"-0" GRANULAR MATERIAL                                                             |
| H. 1-1/2" PVC SCH 40 PIPE                               | P. AIR VENT TUBE PW/AV18-MS                                                              |

#### NOTES:

- SUBSTITUTES FOR ANY MATERIALS SHOWN SHALL BE APPROVED BY THE CITY ENGINEER.
- ALL PIPE, STRUCTURE ZONES AND APPERTENANCES SHALL BE BACKFILLED USING 3/4"-0" GRANULAR MATERIAL AND COMPACTED TO 95% MAX. DENS. AS DETERMINED BY ASHTO T-180.
- WHEN AN ACTIVE CATHODIC PROTECTED SYSTEM IS ENCOUNTERED, SCH. 40 PVC SHALL BE INSTALLED AS SHOWN WITH GROUT PLUG, OR DIRECT GROUNDING OF SERVICE LINE.
- TOP OF METER BOX TO TOP OF CARV SHALL BE 6-8 INCHES.
- (UNDEVELOPED) INSTALL BLUE-COLORED CARSONITE STAKE WITH "AIR RELEASE VALVE" IN ONE-INCH BLACK LETTERS ON BOTH SIDES. LOCATE POST WITHIN 3 FEET OF THE AIR RELEASE METER BOX.
- A MINIMUM 1% UPWARD SLOPE SHALL BE MAINTAINED ON THE COPPER PIPE FROM THE WATER MAIN TO THE CARV.

#### Public Works Standard Drawings

### 2" COMBINATION AIR RELEASE & VACUUM VALVE (CARV)

SCALE NTS

DATE MAY '24 REV. 1

ENGR. DW DRAWN KAE

DRAWING NO. 418

