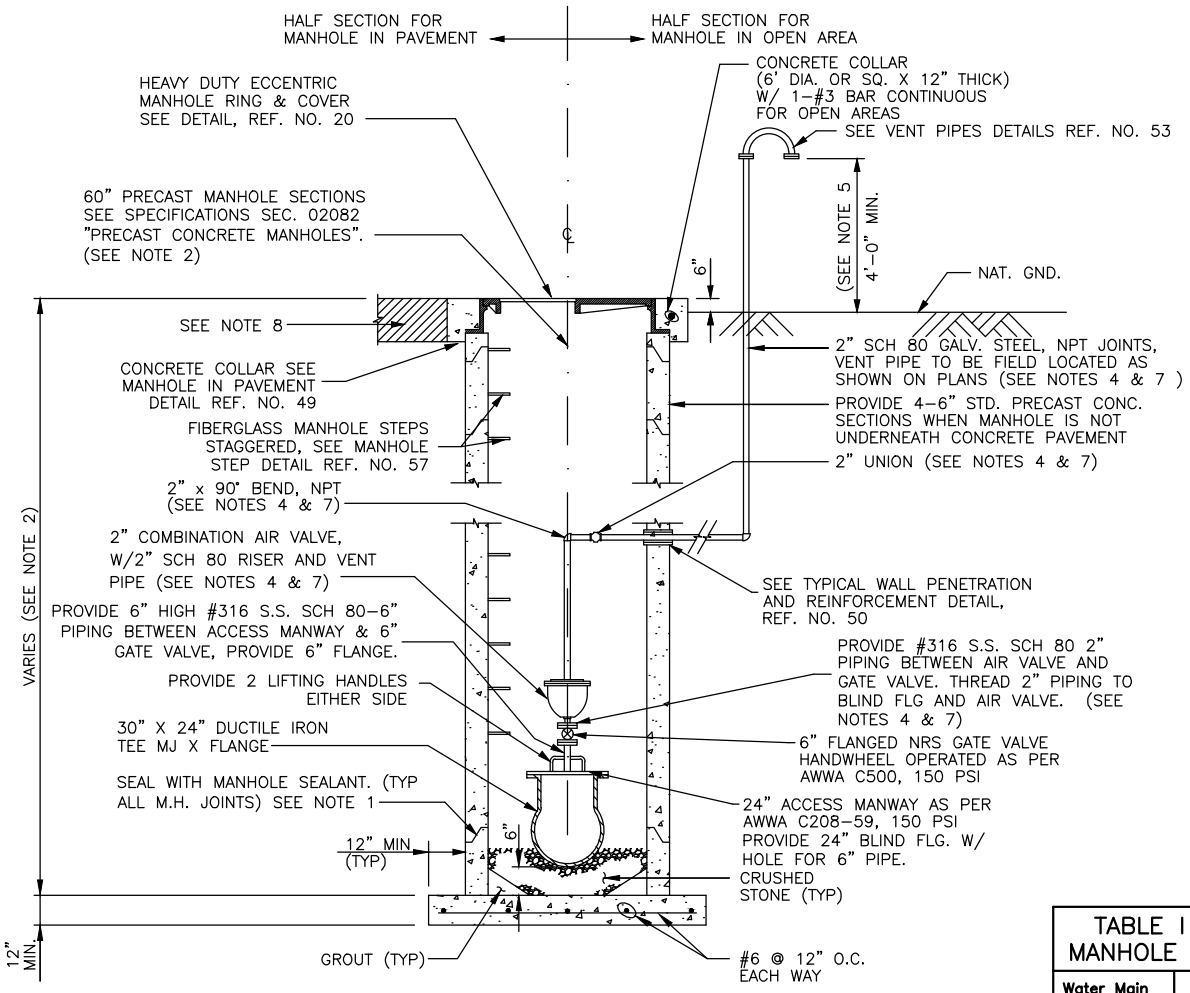


| TABLE I – MANHOLE SIZE | |
|---|---|
| Water Main Diameter | MH SIZE |
| 30" | 60" |

# COMBINATION VACUUM RELIEF AIR RELEASE VALVE ASSEMBLY IN SERVICE MANHOLE

**(FOR PVC WATER LINES 30-INCHES IN DIAMETER.)**

NOTES:

1. PROVIDE RAM-NEK OR APPROVED EQUAL BETWEEN PRECAST SEGMENTS OF THE MANHOLE. SEE SPECIFICATION SECTION 02082.
2. FOR MANHOLES DEEPER THAN 20 FEET, INCREASE SIZE OF ACCESS MANHOLES TO 72-INCH OR 84-INCH DIAMETER & PROVIDE SAFETY CLIMBING RAIL (SAF-T-CLIMB) OR APPROVED EQUAL). SEE SPECIFICATION SECTION 02082.
3. PROVIDE AN APPROVED PETROLEUM BASED TAPE ENCAPSULATING ALL BOLTS IN ACCESS MANHOLES & VALVE VAULTS, INCLUDING PRESSURE-REDUCING STATIONS.
4. IF 3" AIR VALVE IS CALLED FOR ON THE PLAN AND PROFILE SHEETS THEN PIPING AND APPURTENANCES SHOWN TO BE 2" IN DIAMETER SHALL BE 3" IN DIAMETER, AND SHALL BE CONSTRUCTED OF THE SAME MATERIAL AND CLASS. SEE SPECIFICATION SECTION 02524.
5. VERIFY THAT LOCATION OF SCREEN IS 1 FOOT ABOVE 500-YEAR FLOOD PLAIN ELEVATION OR 4 FEET ABOVE NATURAL GROUND WHICHEVER IS HIGHER.
6. REFER TO PLAN AND PROFILE SHEETS FOR TYPES AND LOCATIONS OF COMBINATION AIR VALVES.
7. IF 4" AIR VALVE IS CALLED FOR ON THE PLAN AND PROFILE SHEETS, THEN PIPING AND APPURTENANCES SHOWN TO BE 2" DIAMETER SHALL BE 4" IN DIAMETER, AND SHALL BE CONSTRUCTED OF THE SAME MATERIAL AND CLASS. SEE SPECIFICATION SECTION 02524.
8. SEE DRAWINGS FOR PAVEMENT REPAIR DETAILS.

North Harris County REGIONAL WATER Authority

**COMBINATION AIR VALVE DETAILS FOR PVC WATERLINES**

APPROVED BY: _____
DESIGN MANAGER

| EFF. DATE: | REF. NO. |
|---|---|
| 12-22-2020 | 58 |