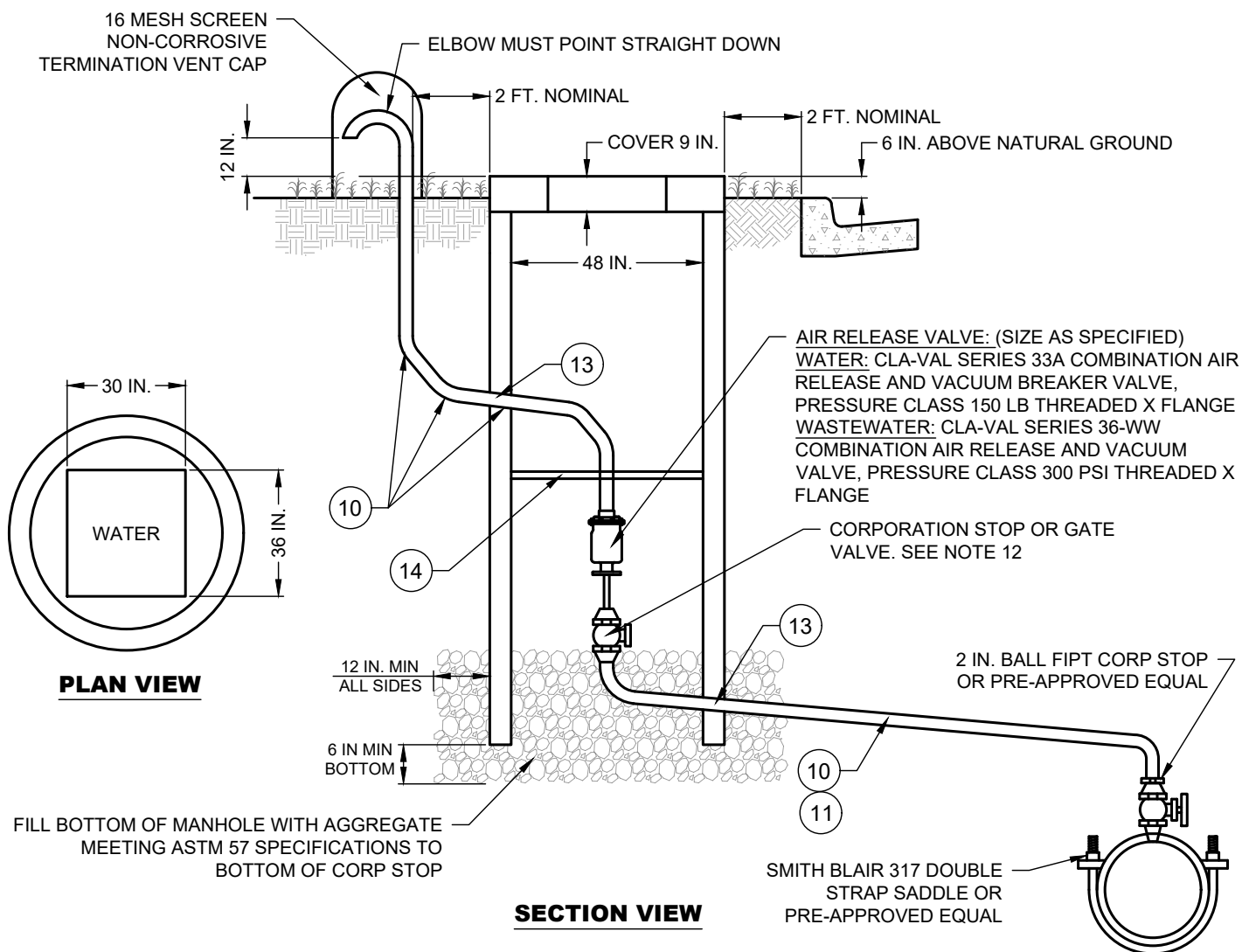


NOTES:

1. FRAME AND COVER SHALL BE 30 IN. X 36 IN. 1/4 IN. HINGED CHECKER PLATE.
2. WATER: NO SWEATED JOINTS, GALVANIZED OR PVC PIPE WILL BE ACCEPTED. USE BRASS FITTINGS WITH COPPER TUBING, THREADED OR COMPRESSION COUPLINGS.
3. WASTEWATER: NO SWEATED JOINTS, GALVANIZED, BRASS, OR COPPER PIPE OR TUBING SHALL BE USED FOR AIR RELEASE VALVE (ARV) VENT. PRESSURE RATED PVC ONLY.
4. PIPE VENT OPENING SHALL BE 12 IN. ABOVE TOP OF CONCRETE VAULT.
5. CONCRETE VAULT SHALL BE CONCRETE PRODUCTS, INC. MODEL "M.V.-8-H.L." OR PRE-APPROVED EQUAL.
6. AIR RELEASE VALVES SHALL BE PLACED IN AREAS NOT SUBJECT TO SUBMERGENCE AND OUTSIDE OF PAVEMENT AREAS.
7. THE PLACEMENT OF VAULT SHALL BE ON CITY RIGHT-OF-WAY OR WITHIN APPROPRIATE EASEMENTS AND SHALL BE LOCATED IN SUCH A WAY AS TO CAUSE THE LEAST AMOUNT OF SITE DISTURBANCE TO RESIDENTS AND TO NOT CREATE A SIGHT OBSTRUCTION FOR TRAFFIC.
8. IF WATER MAIN IS IN THE STREET, VAULT SHALL BE SET 2 FT. BEHIND CURB AND CORPORATION STOP ADDED AT MAIN. CURB STOP SHALL REMAIN IN VAULT.
9. AIR VENT DISCHARGE SHALL NOT BE LOCATED IN EXISTING /PROPOSED SIDEWALK OR SHARED USE PATH. AIR VENT DISCHARGE SHALL BE LOCATED AND PROTECTED TO ACCOMMODATE SITE CONDITIONS. BOLLARDS OR ENCLOSURE DESIGN SHALL BE SUBMITTED TO CITY OF WACO FOR APPROVAL. VAULT SHALL BE LOCATED AS CLOSE AS POSSIBLE TO PROPERTY LINES.
10. MINIMIZE ANGLES IN VENT PIPE/TUBING, HORIZONTAL LENGTHS TO BE SLOPED RISING (NOMINAL 2%) TOWARDS ARV.
11. MINIMIZE HORIZONTAL DISTANCE BETWEEN MAIN AND ARV.
12. 12 IN. AND BELOW WATER LINES REQUIRE A 2 IN. BALLCORP CORPORATION STOP WITH 2 IN. BALL FIPT (FORD) #FB1000-7-G OR PRE-APPROVED EQUAL; 16 IN. AND ABOVE WATERLINES REQUIRE A RESILIENT GATE VALVE SIZED TO MATCH WATERLINE SIZE.
13. SEAL ALL MANHOLE PENETRATIONS WITH LINK-SEAL PER MANUFACTURES RECOMMENDATIONS.
14. 2 IN. X 2 IN. GALVANIZED SUPPORT ANCHORED TO WALL ON BOTH SIDES.

**AIR RELEASE VALVE AND MANHOLE VAULT (IN STREET)**

(NO SCALE)

**ENGINEERING DIVISION**

DISCLAIMER: THE USE OF THIS STANDARD IS GOVERNED BY THE "TEXAS ENGINEERING PRACTICE ACT". NO WARRANTY OF ANY KIND IS MADE BY THE CITY OF WACO FOR ANY PURPOSE WHATSOEVER. THE CITY OF WACO ASSUMES NO RESPONSIBILITY FOR THE CONVERSION OF THIS STANDARD TO OTHER FORMATS OR FOR INCORRECT RESULTS OR DAMAGES RESULTING FROM ITS USE.

REVISIONS			
NO.	COMMENTS	BY	DATE
1	MODIFY NOTES 3, 9 & 10; REMOVE MESH SCREEN OVER VENT NOTE; MODIFY DRAWING TO TUBING TO EXIT BOTTOM OF GATE VALVE	MZ	11/15/2024
##	DESCRIPTION	FL	MM/DD/YYYY

DATE
01/01/2024

W-23