

COMBINATION AIR RELEASE ASSEMBLY MANHOLE NOTES:

- ① 12" CLASS C BACKFILL.
- ② 6" 3000 PSI PORTLAND CEMENT CONCRETE BASE SLAB WITH 4" DIAMETER DRAIN HOLE.
- ③ 30" DIAMETER CLASS III RCP, LENGTH AS REQUIRED TO FIT DEPTH.
- ④ FILL VOID WITH NON-SHRINK GROUT.
- ⑤ 30" DIAMETER VENTED, BOLT-DOWN FRAME AND COVER. FRAME AND COVER SHALL BE EPOXY COATED PURPLE AND MARKED "RECLAIMED WATER AV" OR "EFFLUENT AV".
- ⑥ 12" CONCRETE COLLAR PER SSPWC SECTION 202.01.12, AS ADOPTED BY CITY COUNCIL.

COMBINATION AIR RELEASE ASSEMBLY PIPING NOTES:

- ① TOP OF PIPE PLACED SUFFICIENTLY DEEP TO PROVIDE POSITIVE SLOPE TO AIR VALVE.
- ② 2" BRASS STREET ELBOW.
- ③ 2" BRASS CLOSE NIPPLE.
- ④ 2" CLASS 200, IRON BODY, FUSION BONDED EPOXY COATED, NON-RISING STEM, SOLID WEDGE GATE VALVE WITH OPERATING NUT PER STANDARD DETAIL S-510.
- ⑤ 6" SDR-35 PVC CONDUCTOR PIPE, CAST IRON VALVE BOX AND COVER PER STANDARD DETAIL S-510. INSTALL 6" CONCRETE COLLAR PER SSPWC SECTION 202.01.12, AS ADOPTED BY CITY COUNCIL.
- ⑥ 1" PRESSURE CLASS 200 (DR-9) POLYETHYLENE (PE) PIPE WITH 2" X 1" REDUCER. MAINTAIN CONSTANT SLOPE TO AIR VALVE.
- ⑦ BLEED VALVE: 1" X 1/2" GALVANIZED STEEL TEE WITH 1/2" GALVANIZED STEEL CLOSE NIPPLE, 1/2" CLASS 200 BRONZE GATE VALVE WITH HANDWHEEL OPERATOR, ORIENTED TO BE OPERATED FROM THE SURFACE.
- ⑧ 1" BRASS NIPPLE.
- ⑨ 1" BRASS 90° ELBOW.
- ⑩ 1" CLASS 200, SINGLE BODY, COMBINATION AIR RELEASE AND AIR VACUUM VALVE, APCO 143C OR APPROVED EQUAL.
- ⑪ 1" IRON BODY VENT, MCDONALD MODEL 908 OR APPROVED EQUAL.
- ⑫ IRON PIPE SUPPORT AND BASE.
- ⑬ FUSION BONDED EPOXY OR NYLON COATED SERVICE SADDLE WITH DOUBLE STAINLESS STEEL STRAPS AND 2" TAP PER STANDARD DETAIL S-505.
- ⑭ QTY. TWO (2), 4' X 4' X 3/32" METER PIT INSULATING BLANKETS.
- ⑮ WRAP ALL EXPOSED PIPING AND VALVE BODY WITH ROLL TYPE PIPE INSULATION.
- ⑯ 4-INCHES THICK SHEET FOAM INSULATION, CUT TO FIT SNUGLY AND SUSPEND WITHIN VERTICAL 30" DIAMETER CLASS III RCP.

STANDARD DETAILS FOR PUBLIC WORKS CONSTRUCTION

DRAWING No.



COMBINATION AIR VACUUM &
AIR RELEASE VALVE - NOTES

S-512B

APPROVED BY: JE | DATE: 1/2020