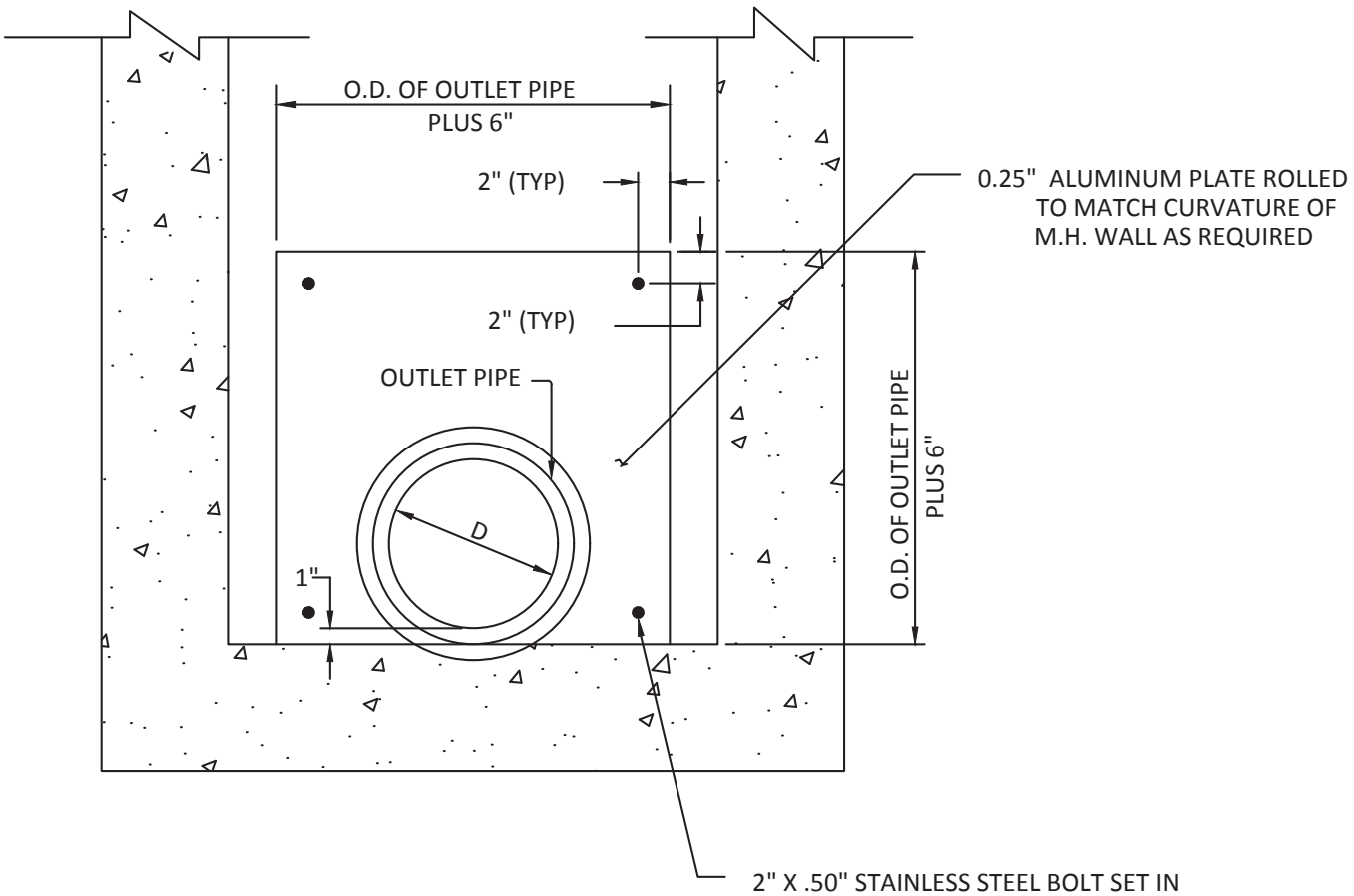


ORIFICE SIZING EQUATION

$$Q = CA(2GH)^{0.5}$$

Q = PEAK DISCHARGE RATE, CFS

C = COEFFICIENT OF DISCHARGE. DIMENSIONLESS, (USE NOMINAL VALUE OF 0.60)

A = CROSS SECTIONAL AREA OF ORIFICE SQUARE FEET.

G = ACCELERATION DUE TO GRAVITY, 32.16 FT/SEC/SEC

H = HEAD ON THE OFFICE, FEET

ORIFICE PLATE TO BE SET ON OUTLET PIPE WALL AT EACH BASIN INDICATED ON PLAN.

SEE PLANS FOR ORIFICE DIAMETER (D)

EST 1808
CITY OF DELAWARE OHIO
Public Works Department

STANDARD DETAIL

OUTLET CONTROL ORIFICE PLATE

UTILITIES

SEWD-11.1

Rev. 12/31/2018