INSTALLATION DETAIL

#11 - AUTOFUSHER ASSEMBLY

NOTES:

A. INSTALL TRAP 3'-5' DOWNSTREAM FROM EDGE OF UNIT WITH A 6-INCH SERVICE LINE.
B. FLUSH WATER LINES FREE OF DEBRIS BEFORE INSTALLATION OF AUTO-FUSHER.
C. DISCHARGE WATER FROM THE AUTO-FUSHER UNIT MAY BE MANAGED IN ONE OF THREE WAYS:
   1. DISCHARGE INTO AN EXISTING STORM WATER MAIN WITH A 4-INCH SERVICE LINE.
      CONNECT MATCHING CROWNS OR WITH OUTSIDE DROP PER SEWER STANDARD DETAILS. AN INSIDE DROP MAY BE INSTALLED IN A 5-FT DIAMETER MANHOLE PER SEWER STANDARD DETAILS. DISCHARGE MAY ALSO CONNECT TO A 4-INCH LATERAL.
   2. DISCHARGE INTO AN EXISTING STORM WATER MAIN. THIS CONNECTION MUST TAKE INTO ACCOUNT THE DOWNSTREAM IMPACTS OF THE CONNECTION, AND BE
      APPROVED BY CHARLOTTE OR MECKLENBURG COUNTY STORMWATER SERVICES.
   3. SURFACE DISCHARGE THROUGH PIPING AND AN OUTLET STRUCTURE, PERMITTING
      OVERLAND FLOW TO A DITCH OR STREAM. DETAIL FOR THE OUTLET STRUCTURE IS
      SHOWN ON THIS SHEET.
D. BASED ON ACTUAL METER READINGS, ADJUST ANGLE BALL VALVE TO RESTRICT
   ACTUAL MAXIMUM FLOW TO 25 GPM.

ELEVATION VIEW

THE CONCRETE PAD CONSISTS OF 0.137 CUBIC YARDS - 3,600 PSI.

CONCRETE FLAIRED END FOR SHOULDER DRAIN

STANDARD 4-INCH LATERAL.

PLAN VIEW

TOP VIEW

END ELEVATION VIEW

NO. DESCRIPTION
1. WATER MAIN.
2. 1" DOUBLE STRAP SERVICE SADDLE.
3. 1" BALL CORPORATION STOP - (CC THREAD x CTS COMPRESSION OUTLET).
4. 1" TYPE K COPPER TUBING OR SDR 9 HDPE (CTS) TUBING. W/ INSERT
   STIFFENERS.
5. 1" PLASTIC METER BOX W/ PLASTIC LID (CONCRETE BOX REQUIRED IN
   HARDSCAPE) W/ 4 SUPPORT BRICKS.
6. 1" ANGLE BALL VALVE WITH lock WINGS - CTS COMPRESSION x YOKE
   STAR NUT.
7. 1" DUCTILE IRON YOKE BAR.
8. 1" WATER METER ASSEMBLY (BY CLTW) WITH ARM TRANSMITTER.
9. 1" TYPE K COPPER OR SDR 9 HDPE (CTS) TUBING, W/ INSERT
   STIFFENERS, 36" L.L.. 
10. 1" BRASS 90 DEGREE BEND - CTS COMPRESSION x FIPT.
11. 1-INCH AUTOFLUSHER UNIT - MODEL 9800A AS MANUFACTURED BY
    KUPFERLE FOUNDRY COMPANY.
    a. UV RESISTANT LOCKABLE LID.
    b. DIFFUSER/TRAP.
    c. 1" PVC BALL VALVE.
    d. SAMPLING POINT.
    e. 1" STAINLESS STEEL QUICK DISCONNECT.
    f. REMOVABLE ACCESS PLATE.
    g. 6" SEWER PIPE CONNECTION.
    h. CONTROLLER. HANG FROM LID SUPPORT BRACKET.
    i. SDR 35 PVC PIPE.
    k. AUTOMATIC DRAIN.
    l. O-RING CONNECTOR.
    m. DEBRIS PLATE.
    n. 1" SCH 80 PVC PIPE.
    o. STEEL LID SUPPORT BRACKET.
    p. CLEAN #57 WASHED STONE.
    q. 1" SCH 80 PVC PIPE.
    s. 6" PVC SCH 80 DRAIN PIPE.
    t. 6" PVC SCH 80 DRAIN PIPE.
    u. 6" PVC SCH 80 DRAIN PIPE.
    v. DEBRIS PLATE.
    w. 3' MIN. COVER.
    x. 6" PVC SCH 80 DRAIN PIPE.

DETAIL AAA

VERSION 1.0
DATE 4/2021
NO SCALE