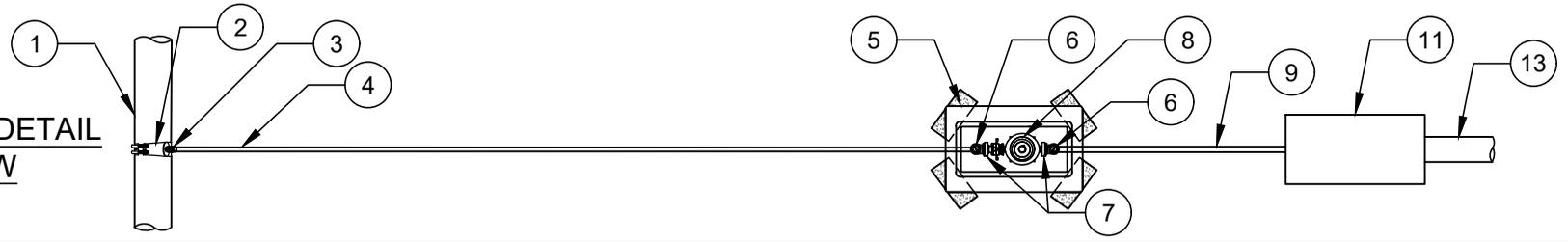
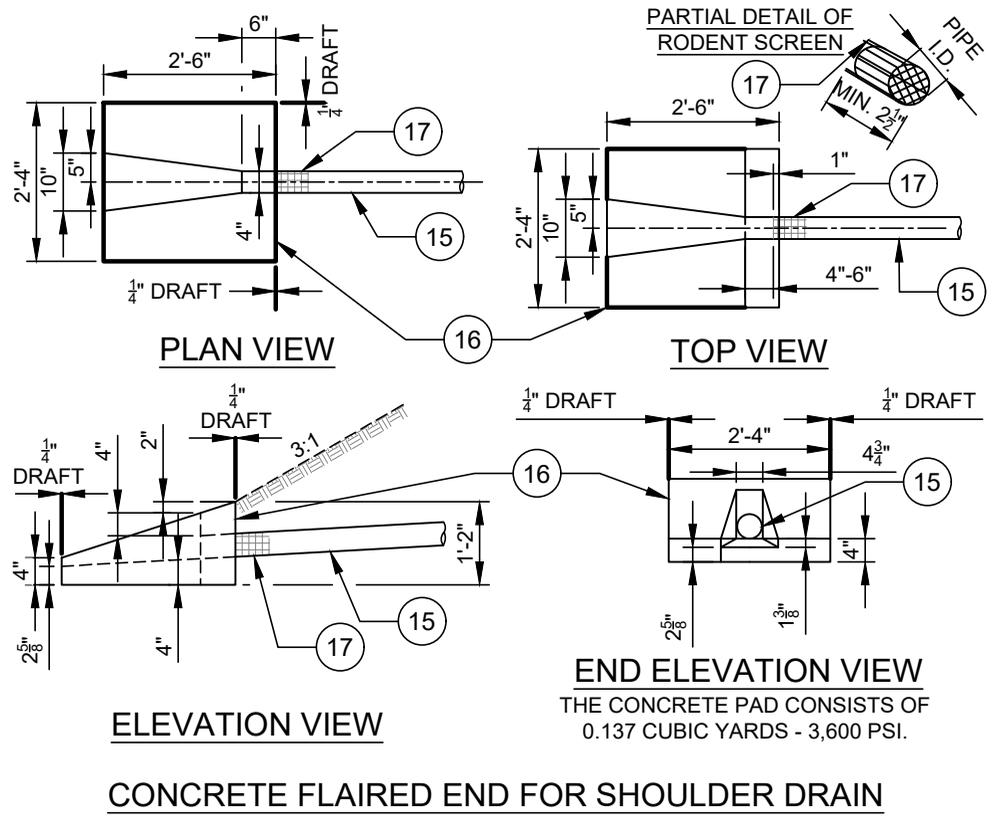
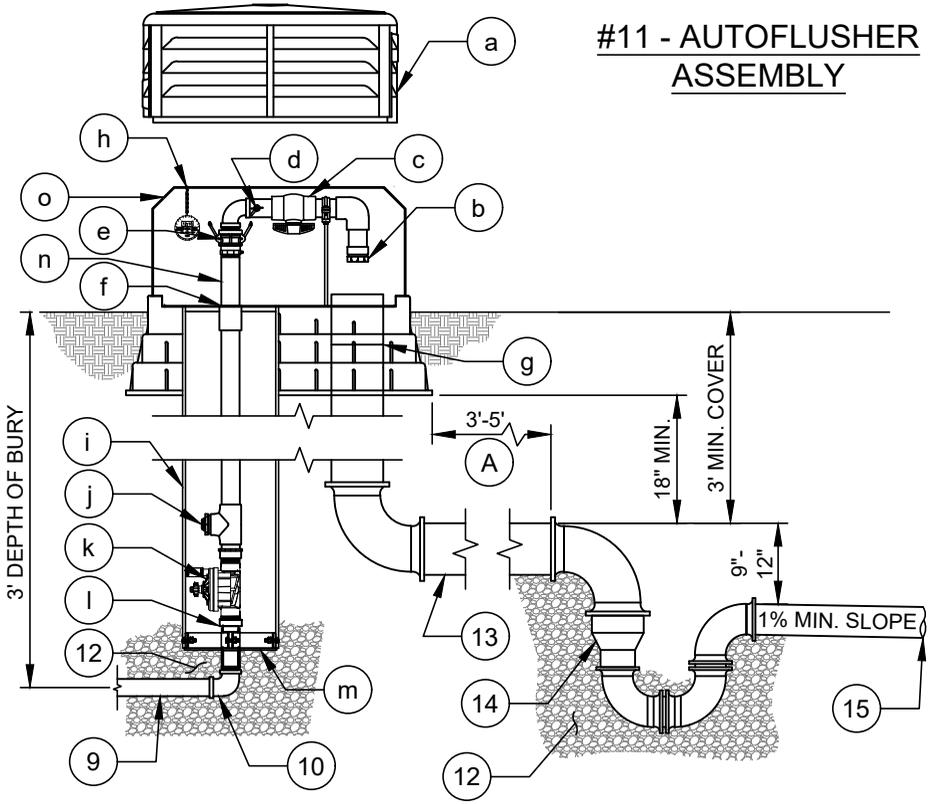


**INSTALLATION DETAIL
PLAN VIEW**



**#11 - AUTOFLUSHER
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-FLUSHER.
- C. DISCHARGE WATER FROM THE AUTO-FLUSHER UNIT MAY BE MANAGED IN ONE OF THREE WAYS:
 - 1. DISCHARGE INTO AN EXISTING SANITARY SEWER 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

- STANDARD 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.

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.
j.	AUTOMATIC DRAIN.
k.	1" AUTOMATIC VALVE.
l.	O-RING CONNECTOR.
m.	DEBRIS PLATE.
n.	1" SCH 80 PVC PIPE.
o.	STEEL LID SUPPORT BRACKET.
12.	CLEAN #57 WASHED STONE.
13.	6" PVC SCH 80 PIPE.
14.	6"x4" REDUCER - SCH 80 PVC.
15.	4" PVC SCH 80 DISCHARGE PIPING.
16.	PRECAST CONCRETE FLAIRED END SECTION.
17.	RODENT SCREEN. 2"x2" TO 4"x4" GALV. HARDWARE CLOTH 0.063 WIRE OR EQUAL INSTALLED 4" TO 6" INSIDE DRAIN PIPE.

CHARLOTTE WATER
A CITY OF CHARLOTTE DEPARTMENT

WATER

WATER QUALITY AUTOMATIC FLUSHER -
1-INCH AUTOFLUSHER -
(MAX. FLOW RATE - 25 GPM)

NO SCALE

VERSION 1.0

DATE 4/2021

DETAIL AAA