

CONSTANT SLOPE WITH NO TURNS OR FLOW RESTRICTIONS WITHIN 25 PIPE DIAMETERS OF FLUME ENTRANCE OR EXIT.

DRAFT

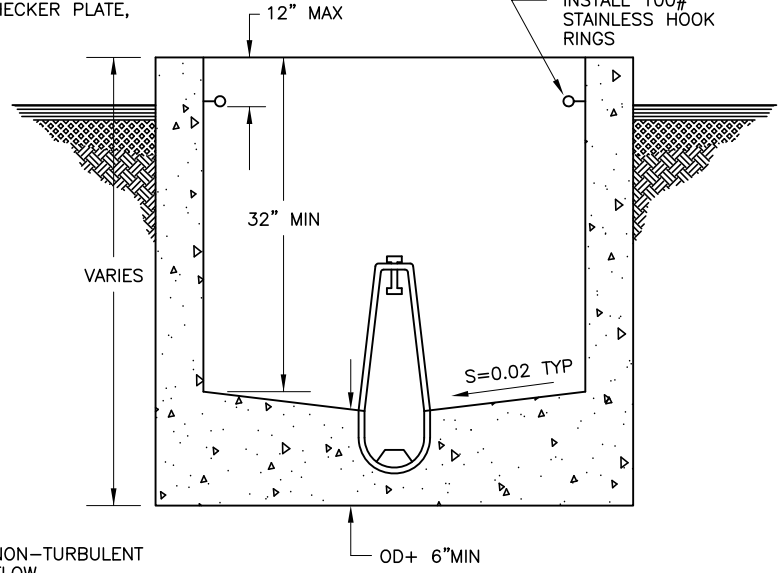
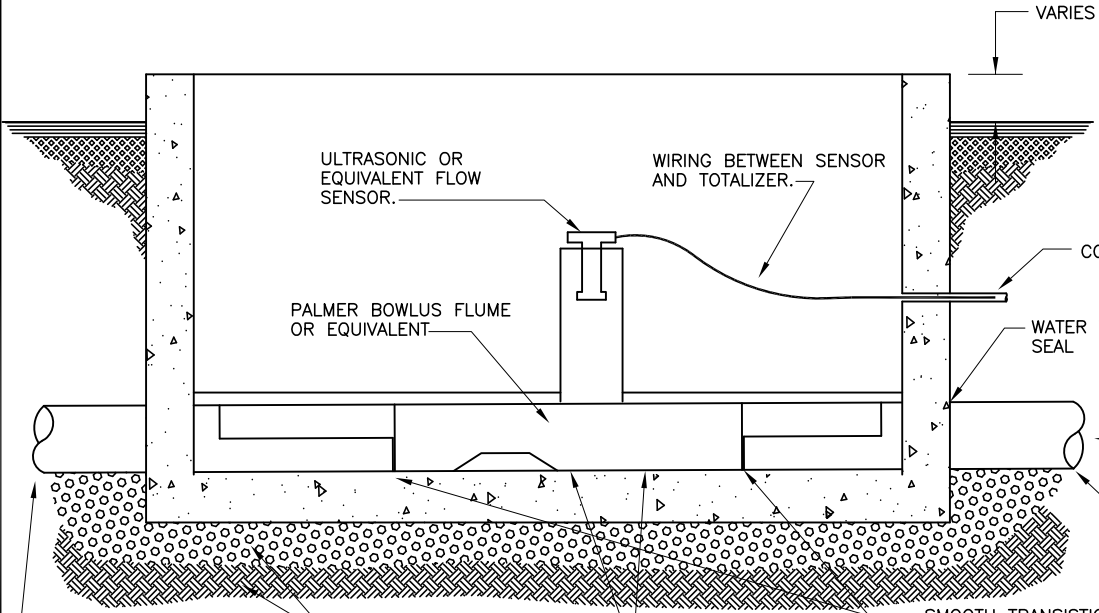
NOTES:

1. LOCATE VAULT AS CLOSE AS PRACTICAL TO THE SOURCE STRUCTURE. IF LOCATED IN A PARKING LOT, THE VAULT IS TO BE PROTECTED FROM TRAFFIC WITH STEEL POSTS OR INSTALLED FLUSH WITH TRAFFIC RATED H-20 OR BETTER LID MARKED "NO PARKING".
2. VAULT SIZE TO BE INCREASED FOR 10" AND ABOVE PIPES.
3. IF FLOW PACED SAMPLING, A CABLE FOR DISTRICT USE (TO ALSO DO FLOW PACED SAMPLING) SHALL BE PROVIDED. CONNECTORS SHOULD BE PROTECTED FROM ENVIRONMENT IF NECESSARY (CAPS FOR PREVENTING CORROSION).
4. INSTALLATION INSPECTION SHALL BE PERFORMED BY WATER QUALITY INDUSTRIAL WASTE SECTION.

100# STAINLESS STEEL HOOK RING FOR VAULTS 4' AND GREATER IN DEPTH.

CONDUIT

36"x60" PRECAST VAULT WITH 2 PIECE CHECKER PLATE, HINGED COVER.



EXIT SLOPE TO CREATE NO FLOW RESTRICTIONS IN VAULT AREA.

6" MIN X 3/4" CRUSHED ROCK ON UNDISTURBED SOIL

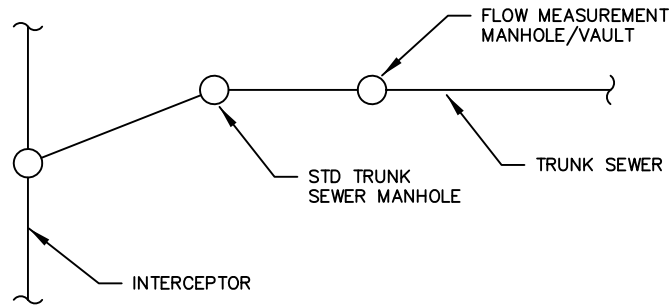
FLUME S=0.00 OR PER MANUFACTURERS SPECS.



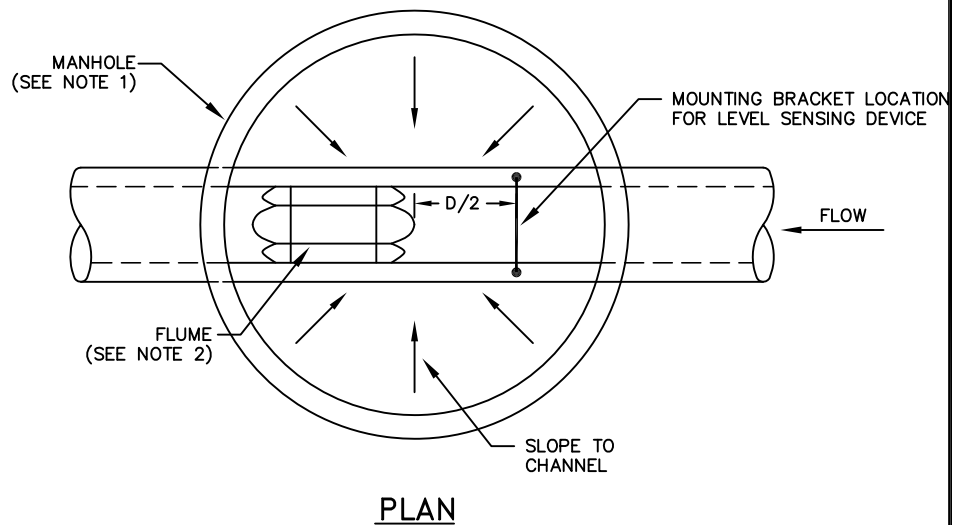
SAMPLING VAULT

DRAWN BY: RAS
SCALE: NONE
DATE: 12/08

F-01



SCHEMATIC – FLOW MEASUREMENT MANHOLE/VAULT LOCATION



FLUME SELECTION TABLE

FLUME SIZE (INCHES)	MAX. HEAD (FT.)	MAX. FLOW (MGD)
12	0.70	1.08
15	0.90	1.99
18	1.05	2.98
21	1.25	4.55
24	1.40	6.12
27	1.60	8.46
30	1.75	10.70

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NOTES:

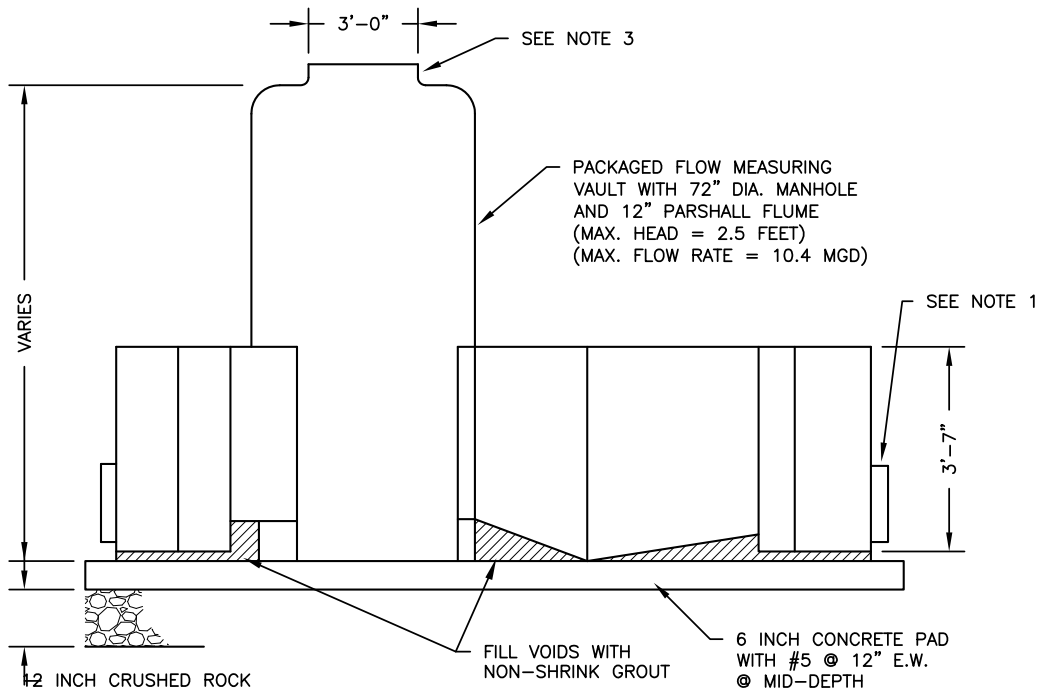
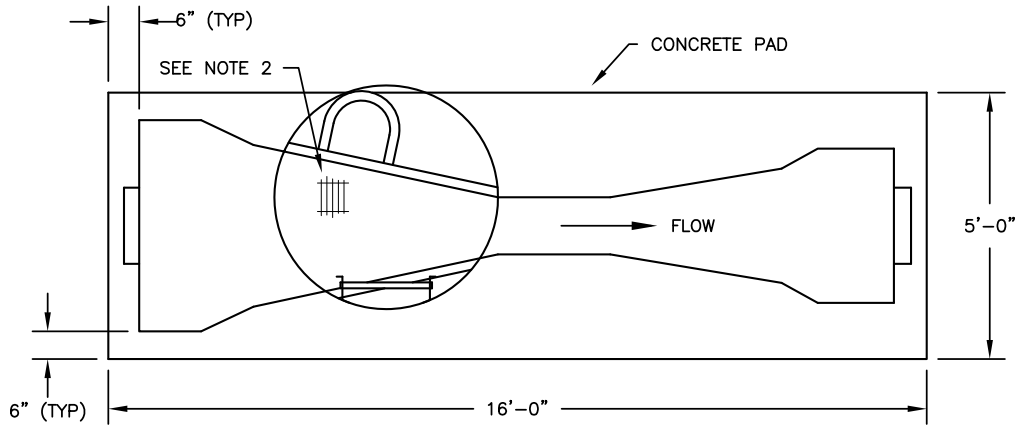
1. MANHOLE SHALL BE 60 INCH DIAMETER FOR FLUME SIZE RANGE FROM 12 INCH THROUGH 21 INCH. MANHOLE SHALL BE 72 INCH DIAMETER FOR FLUME SIZE RANGE FROM 24 INCH THROUGH 30 INCH.
2. FLUME SHALL BE PERMANENT TYPE PALMER-BOWLUS FLUME BY PLASTI-FAB, OR EQUAL.
3. A FIBERGLASS PACKAGED METERING MANHOLE AS MANUFACTURED BY PLASTI-FAB, OR EQUAL, IS AN ACCEPTABLE ALTERNATIVE TO REINFORCED CONCRETE MANHOLE.
4. A PACKAGED FLOW MEASURING VAULT SHALL BE USED (SEE F-03) WHEN THE COMBINATION OF HEAD/FLOW CANNOT BE ACCOMMODATED.



FLOW MEASURING MANHOLE

DRAWN BY: RAS
SCALE: NONE
DATE: 12/08

F-02



DRAFT

NOTES:

1. INLET AND OUTLET SIZE SHALL MATCH CONNECTING PIPE INSIDE DIAMETER.
2. PROVIDE FIBERGLASS GRATING OVER FLUME.
3. PACKAGED FLOW METERING STRUCTURE SHALL BE AS FABRICATED BY PLASTI-FAB, OR EQUAL.



**PACKAGED FLOW
MEASURING VAULT**

DRAWN BY: RAS
SCALE: NONE
DATE: 12/08

F-03