FLUME SIZING HATCH (MIN) GPM PARSHALL FLUME SIZE **VAULT SIZE LEAF** H2 PRE-CAST #577 OR 3-73 2-INCH - NOT TO BE USED WITH DOMESTIC SEWAGE 48"x60" 2 EQUAL H2 PRE-CAST #577 OR 13-250 3-INCH 48"x60" 2 EQUAL CONSULT WITH CITY OF WENATCHEE ENGINEERING STAFF >250

GROUT PIPES INSIDE AND OUTSIDE OF STRUCTURE, CREATE SMOOTH TRANSITION, TYP.	1/4-INCH SS, TYPE 316, SAFETY CHAIN WITH 1/4-INCH SS CLEVIS GRAP HOOK WITH SAFETY LATCH EACH SIDE, TYP.	
CONDUIT, CORE DRILL HOLE IN VAULT, GROUT TIGHT		
MANUFACTURER CABLE TO FLOW METER SHALL BE UN-SPLICED BETWEEN METER AND TRANSMITTER	PROVIDE 3/4-INCH SS, TYPE 316, EYE BOLT INSIDE HATCH CORNERS FOR SAFETY CHAIN, TYP	5-INCH X 2-1/4-INCH GALV. STL. SLEEVE IN TOP WITH REMOVABLE PLUG. SLEEVES SHALL HAVE 2-INCH MIN. CLEARANCE TO ALL EDGES,TYP

METER VAULT STRUCTURAL PLAN

PARSHALL FLUME METER NOTES

CONTRACTOR SHALL TEST FLUME TO VERIFY CORRECT FLOW READING TO THE

PRECAST CONCRETE VAULT

TOP, SHALL BE H-20 RATED

ACCESS HATCH NOTES ACCESS HATCH OVER METER VAULT SHALL BE MOUNTED USING STAINLESS STEEL BOLTS AS SHOWN ON THIS PLAN.

METER VAULT ACCESS HATCH

SEE TABLE

SEE TABLE

H - 20

ANCHOR

YES

YES

ODOR TIGHT

NΩ

YES

CLEAR OPENING

NO. OF LEAVES

RATING

MOUNTING*

SAFETY GRATING**

SAFETY CHAIN***

GASKET

DRAIN

SPRING ASSIST

- *ACCESS HATCH SHALL HAVE REMOVABLE SAFETY GRATING COVER BELOW ACCESS HATCH LID.
- *** SAFETY CHAINS SHALL BE PROVIDED ON ACCESS HATCHES AS DETAILED FOR EACH HATCH ON THIS SHEET.
- ****ACCESS HATCH TO HAVE HASP FOR PADLOCK

INSTALL FLUME AND SET STRUCTURE

LEVEL, NOT TO EXCEED 1% IN ANY

DIRECTION

PARSHALL FLUME WITH END ADAPTERS, PIPE

TABLE FOR SIZE, PLASTI-FAB OR EQUAL

STUBS, AND SONIC BRACKET, SEE FLUME SIZING

LADDER NOTES:

6-INCH MIN. THICK FOUNDATION

OF THE MODIFIED PROCTOR, TYP.

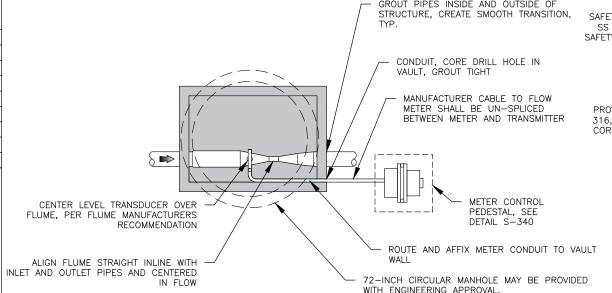
MATERIAL CLASS A CONFORMING TO

- LADDERS SHALL BE FIBER REINFORCED PLASTIC (FRP)
- LADDER MUST MEET CONSTRUCTION REQUIREMENTS OF ANSI A14.3
 LADDER BRACKET SHALL BE SERIES 625 VINYL—ESTER.
 ALL BOLT ASSEMBLIES AND GRATING HOLD DOWNS SHALL BE SERIES 316 STAINLESS STEEL.

FRP ACCESS

LADDER

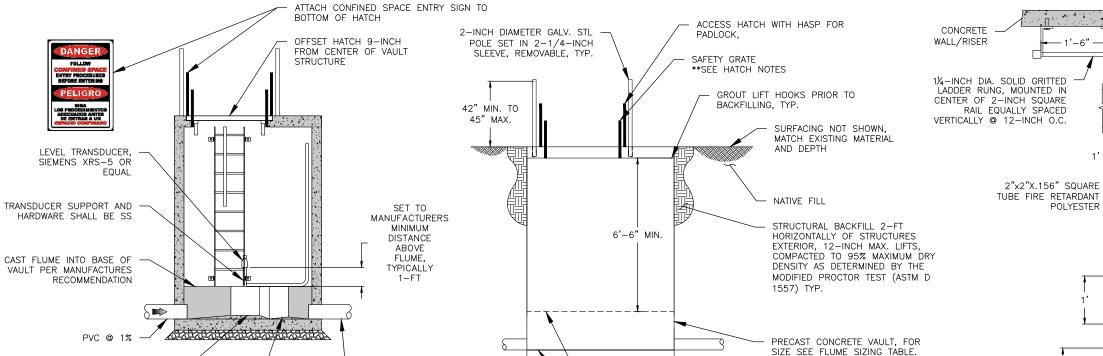
CONTRACTOR TO FIELD VERIFY ALL DIMENSION PRIOR TO FABRICATION.



PARSHALL FLUME METER PLAN

PVC @ 0.5% SLOPE GREATER THAN

INLET PIPE, MIN.



7" MIN. HATCH CURB OPENING 5/8-INCH SST CONCRETE ANCHORS, (TYP.) (1) %-INCH CONCRETE ANCHOR (TYP) (2) %-INCH SS BOLT ASSEMBLY (TYP) LADDER BRACKET EQUALLY SPACED VERTICALLY @ 48-INCH (3) ½-INCH CONCRETE ANCHOR FOR BOTTOM BRACKET 9 3/8" (3) %-INCH SS BOLT WSDOT SS 9-03.17, COMPACT TO 95% ASSEMBLY FOR BOTTOM BRACKET 1'-3 3/8"

PARSHALL FLUME METER ELEVATION

METER VAULT STRUCTURAL ELEVATION

TOP OF CHANNEL

VAULT FLOOR

LADDER DETAIL FOR PARSHALL FLUME METER

DETAIL FLUME **STANDARD PARSHALL**



A A S - 330

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