

30"x30" SQ. OPENING IN TOP SLAB FOR VALVE
REMOVAL, SEE NOTE A, DETAIL W/5.22.

PVC SCH. 80 HATCH DRAIN TO DRAIN
TO GRAVEL PIT.

3/4" CORPORATION STOP
(TYPICAL OF 4)

DIP (FLG.xPE)

PIPE "A", SEE
NOTE 2, DETAIL W/4.4

RUBBER ANNULAR
HYDROSTATIC SEALING
DEVICES (TYP. OF 4) SEE
SPECIFICATIONS

16"x8"x3/4" STEEL BEARING
PLATE ON 1/2"± GROUT ON
16"x8" SOLID MASONRY OR
CONCRETE PIER. (TYP. OF 3)

PRESSURE REDUCING VALVE "A"
SEE NOTE 1, DETAIL W/4.4

PIPE "B", SEE
NOTE 2, DETAIL W/4.4

DIP (FLG.xPE)

8"x8"x3/4" STEEL BEARING
PLATE ON 1/2"± GROUT ON
8"x8" SOLID MASONRY OR
CONCRETE PIER. (TYPICAL OF 4)

DIP (FLG.xPE)

PRESSURE REDUCING VALVE "B"
SEE NOTE 1, DETAIL W/4.4

PROVIDE LIFTING HOOK OVER
PRESSURE REDUCING VALVE WHEN
ACCESS OPENING IS NOT PROVIDED.
SEE DETAIL W/10.0

PLAN

30"x30" SQ. ALUMINUM HATCH (H-20 LOADING, SEE SPECIFICATIONS) FOR VALVE
REMOVAL, SEE NOTE 1, DETAIL W/5.22.

30"x30" SQ. ALUMINUM HATCH
(H-20 LOADING, SEE SPECIFICATIONS)
SEE DETAIL W/5.5

ALUMINUM LADDER
SEE DETAIL M/16.0

FOR MIN. SEE DETAIL W/5.5

Max 2.5'

TOP SLAB, SEE NOTE 2

10'x8' VAULT, SEE
DETAIL W/5.3

3/4" CORPORATION STOP

10'-0" MAX. DEPTH
BOTTOM SLAB TO
GRADE

2'-6"

6" MINIMUM GRANULAR BEDDING

PRESSURE REDUCING VALVE

FLG. GATE VALVES
WITH HAND WHEELS
(TYP. OF 4)

SLOPE FLOOR
TO SUMP

PVC SCH. 80 HATCH
DRAIN TO DRAIN
GRAVEL PIT

GRAVEL PIT (1-CY OF #57
STONE) WRAP IN EROSION
CONTROL GEOTEXTILE

V-BIO POLYETHYLENE
ENCASEMENT, SEE
SPECIFICATIONS AND
DETAIL W/2.8.

3/4" CORPORATION STOP

M.J. SOLID SLEEVE, SEE
NOTE 4, DETAIL W/4.4

RUBBER ANNULAR
HYDROSTATIC SEALING
DEVICES SEE SPECIFICATIONS

ELEVATION


12" DIP AND 12" MJ CAP

NOTES:

1. FOR PIPE AND PRESSURE REDUCING VALVE SIZES,
PIPING LAYOUT AND NOTES, SEE DETAIL W/4.4
2. FOR TOP SLAB DETAIL, SEE DETAIL W/5.22.

WASHINGTON
SUBURBAN
SANITARY
COMMISSION

APPROVED:

9/28/16

Chief Engineer

STANDARD DETAIL

PRESSURE REDUCING
VALVE VAULT
TYPE "1" LAYOUT

W
4.2