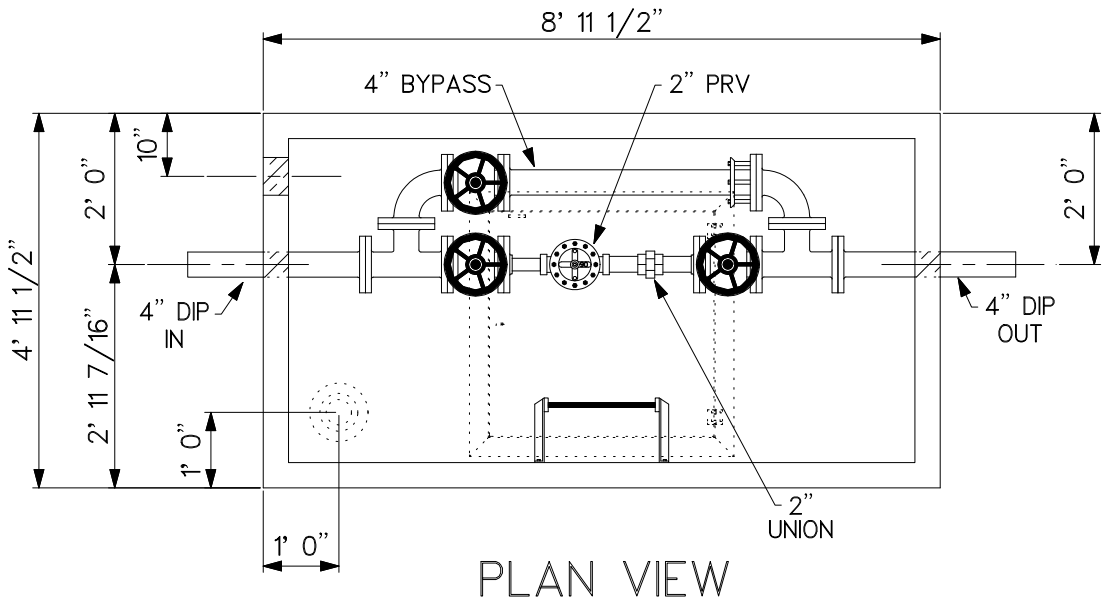
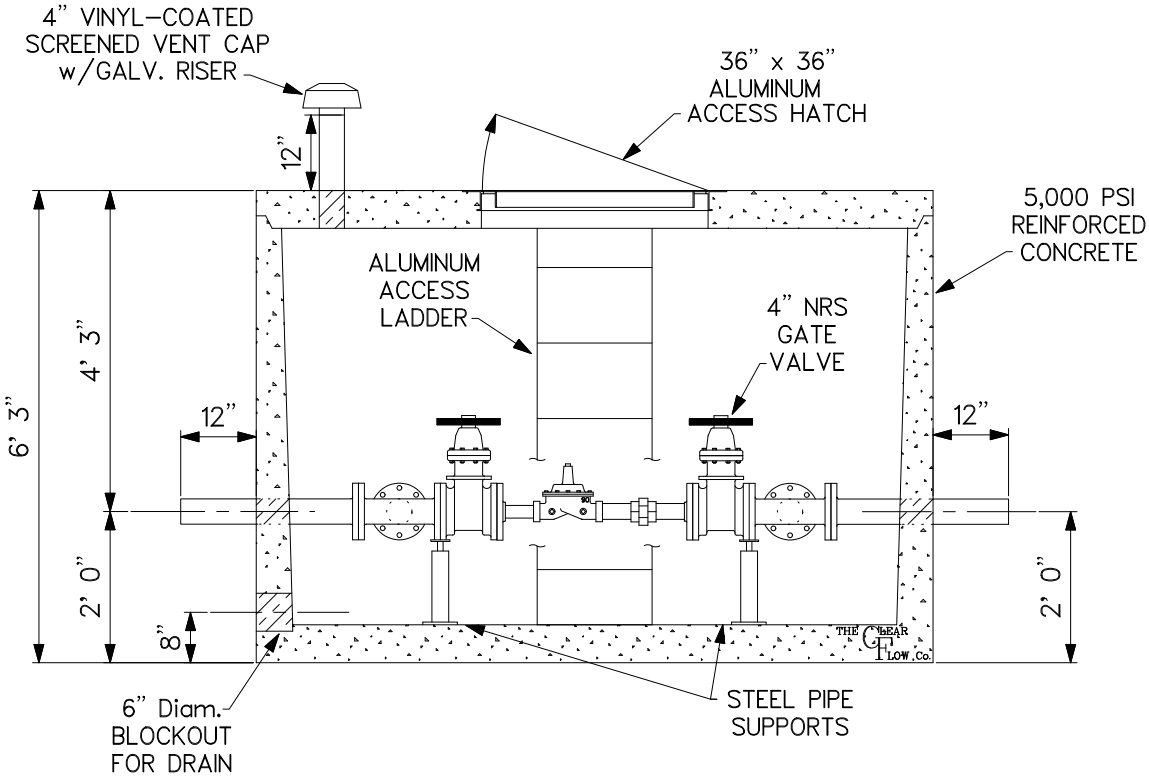


PLAN VIEW



SECTION VIEW

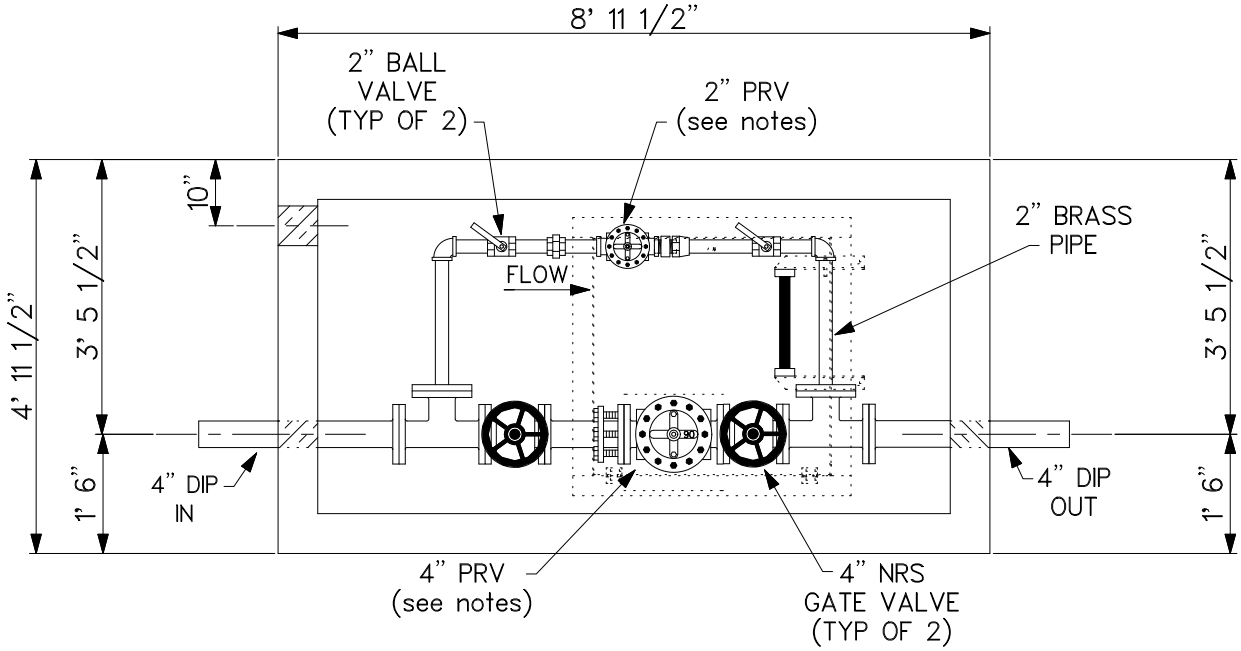
NOTES:

1. CLEARFLOW VAULT SHIPPED ASSEMBED WEIGHING APPROXIMATELY 18,000 LBS.

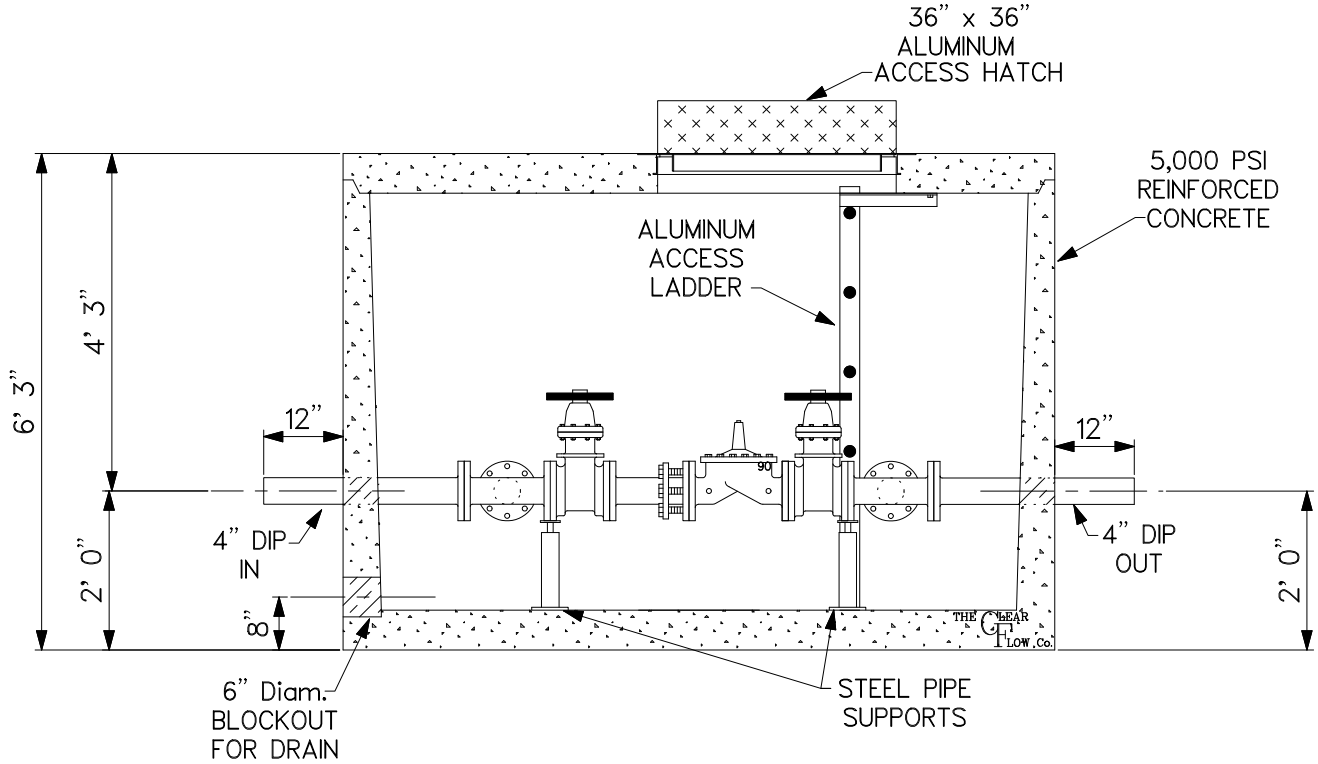
CLEAR FLOW
BY CP&P
CONCRETE PIPE & PRECAST, LLC
(800) 648 – 2678

SCALE: NONE	DATE: 7/08/98	DWG: PRV2-TJ1000-4 INCH PIPE

2" PRV VAULT w/4" PIPING



PLAN VIEW



SECTION VIEW

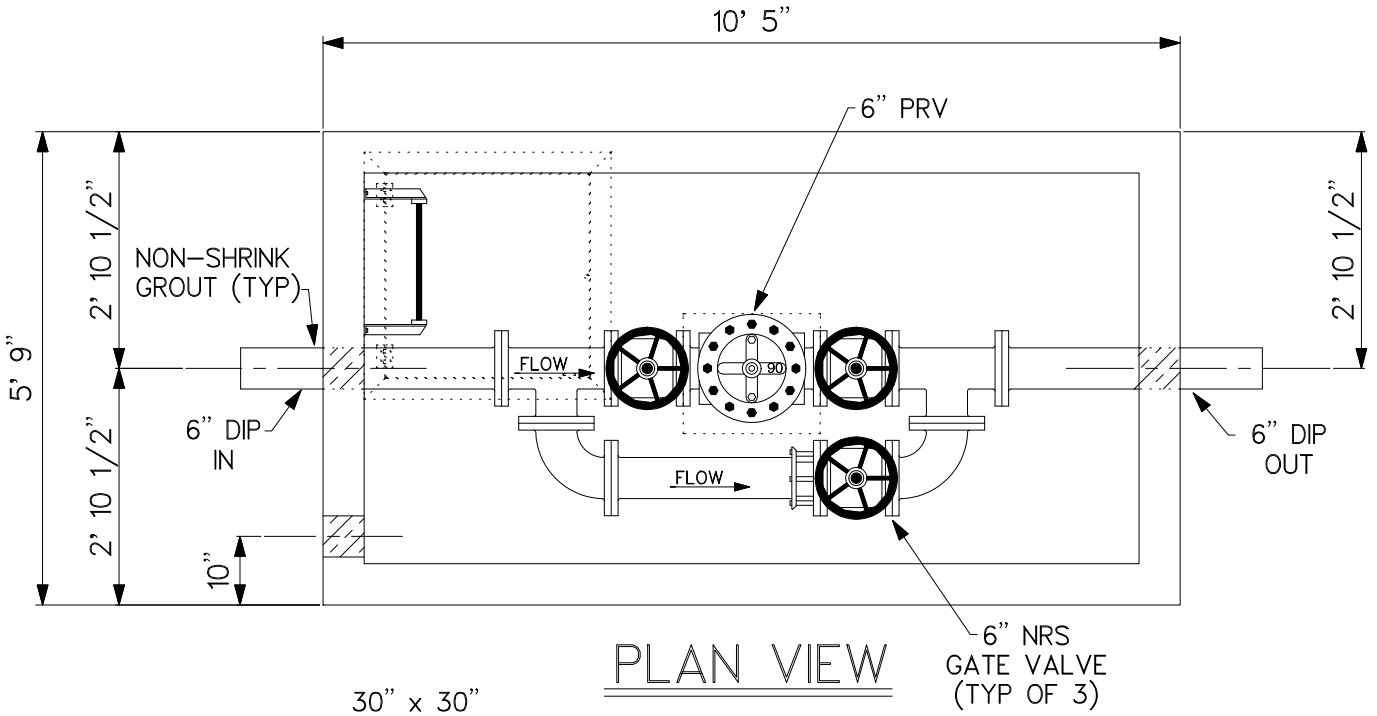
NOTES:

1. CLEAR FLOW VAULT SHIPPED ASSEMBLED WEIGHING APPROXIMATELY 18,000 LBS.
2. 4" & 2" PRESSURE REDUCING VALVES BY CLA-VAL
3. VAULT ALSO AVAILABLE WITH H20 (TRAFFIC) LOAD RATING

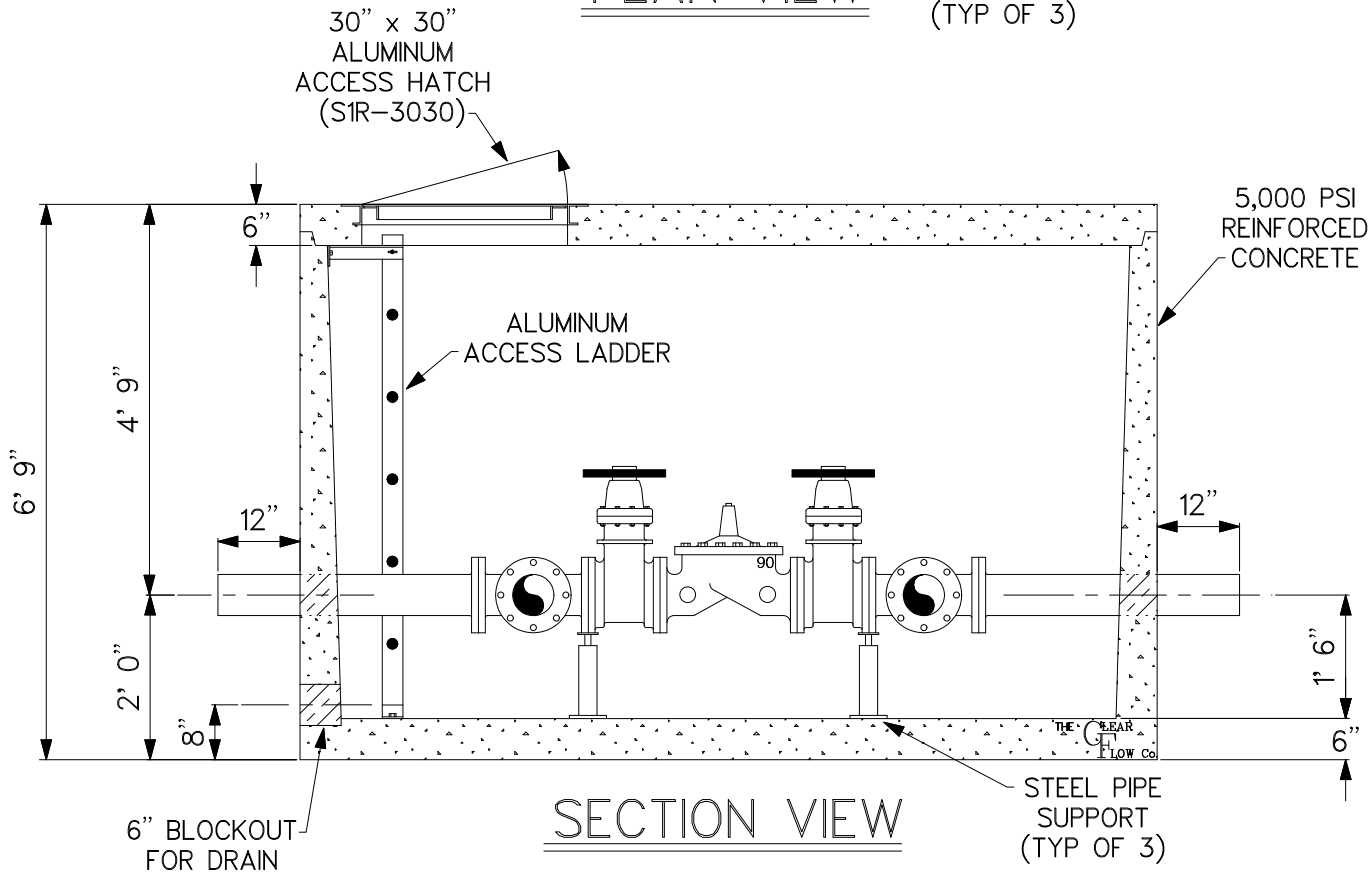
CLEAR FLOW
BY CP&P
CONCRETE PIPE & PRECAST, LLC
(800) 648 - 2678

SCALE: NONE	DATE: 7/08/98	DWG: PRV4x2-TJ1000

4" x 2" PRESSURE REDUCING VALVE VAULT



PLAN VIEW



SECTION VIEW

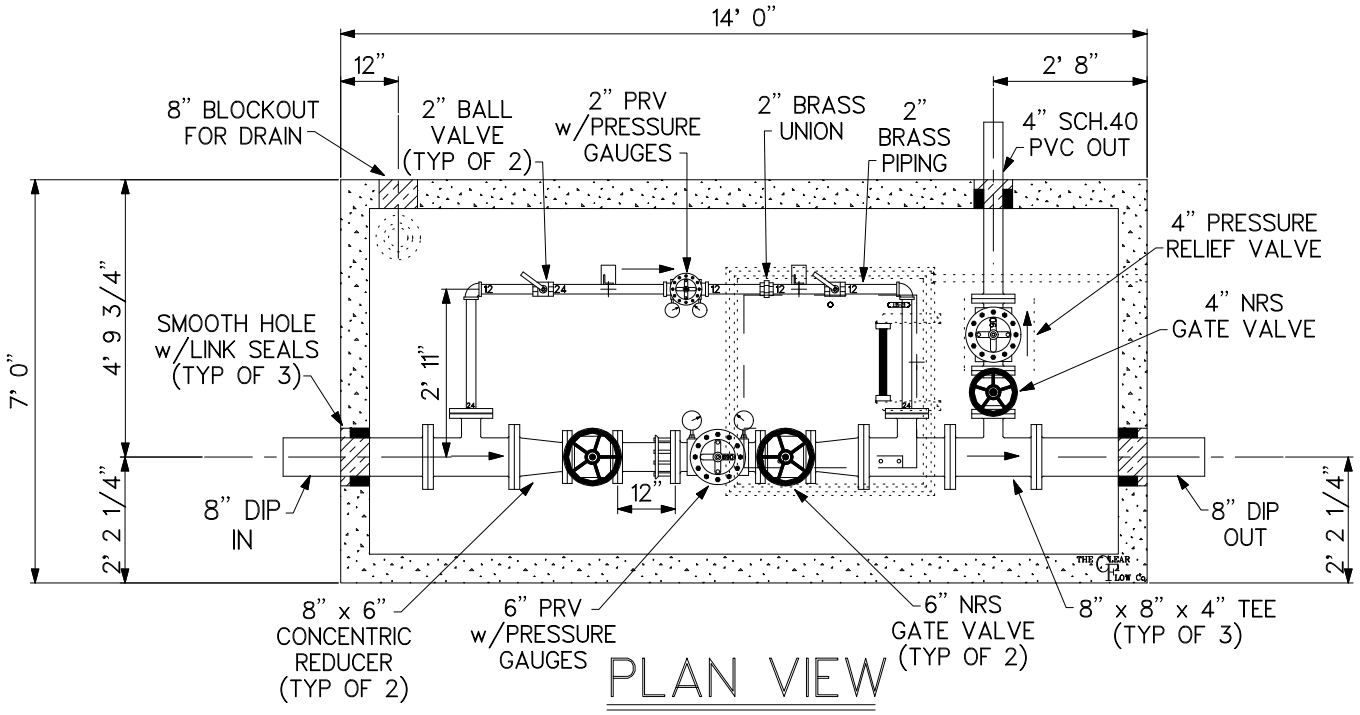
NOTES:

1. CLEAR FLOW VAULT SHIPPED ASSEMBLED WEIGHING APPROXIMATELY 21,000 LBS.
2. VAULT ALSO AVAILIBLE WITH H20 (TRAFFIC) LOAD RATING

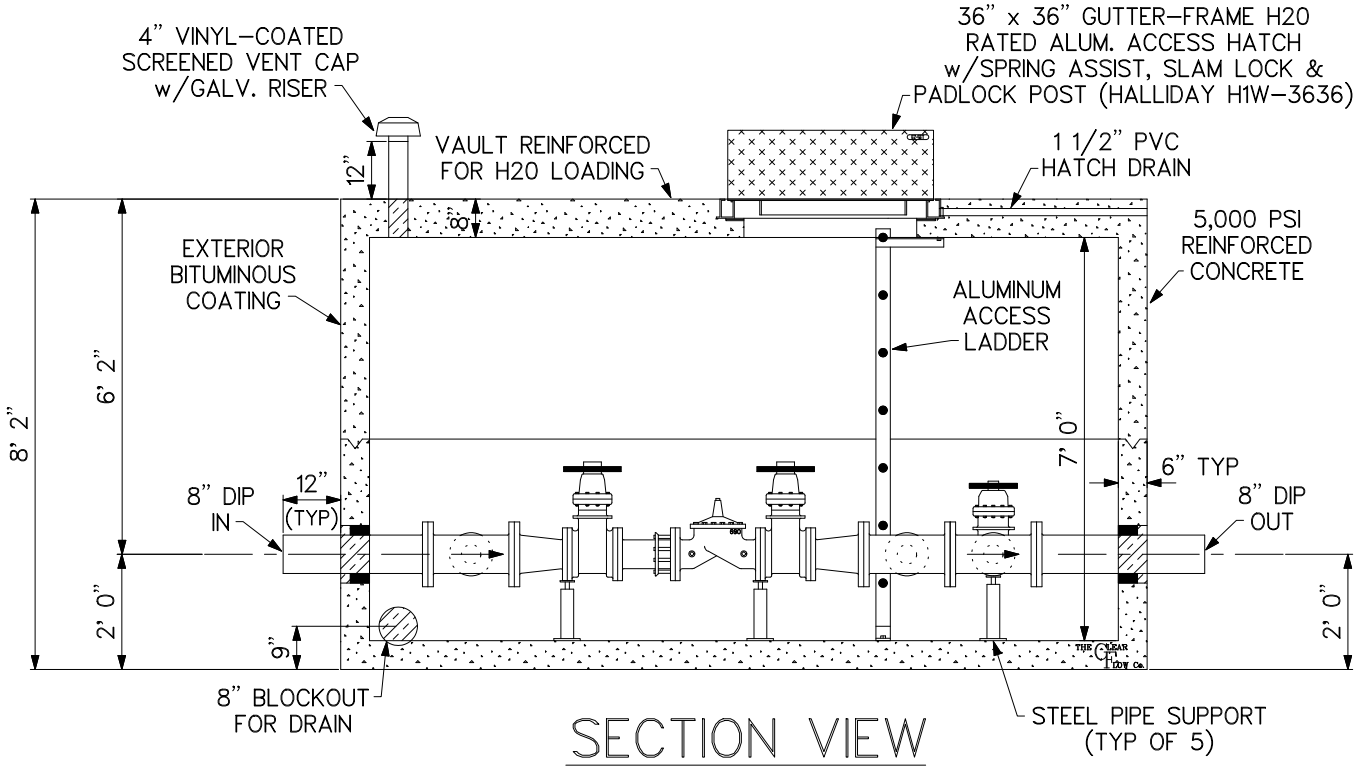
CLEAR FLOW
BY CP&P
CONCRETE PIPE & PRECAST, LLC
(800) 648 - 2678

SCALE: NONE	DATE: 7/10/98	DWG: PRV6-TJ1600

6" PRV VAULT w/6" BYPASS



PLAN VIEW



SECTION VIEW

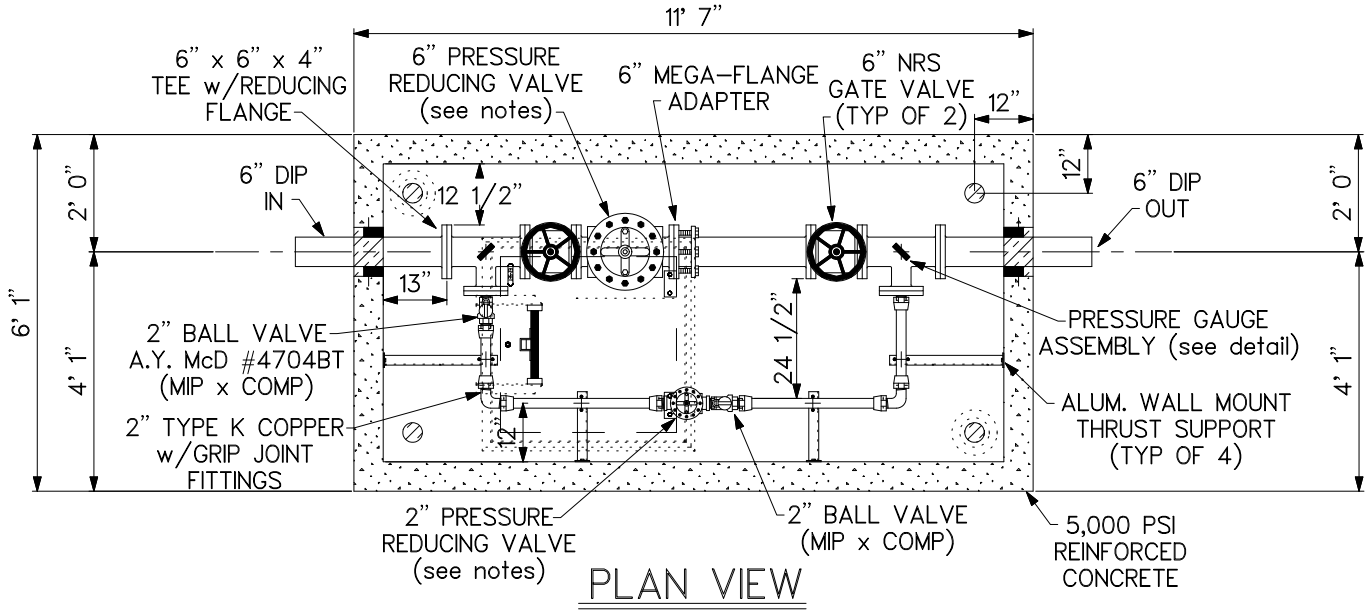
NOTES:

1. CLEAR FLOW VAULT SHIPPED ASSEMBLED WEIGHING APPROXIMATELY 42,000 LBS.
2. 6" CLA-VAL PRESSURE REDUCING VALVE #90G-01 (0-200 PSI)
3. 2" CLA-VAL PRESSURE REDUCING VALVE #90G-01 (0-200 PSI)
4. 4" CLA-VAL PRESSURE RELIEF VALVE #50G-01 (20-200 PSI RANGE)
5. ALUMINUM ACCESS HATCHES ARE RATED FOR OFF-STREET USE IN LOW-DENSITY TRAFFIC AREAS ONLY

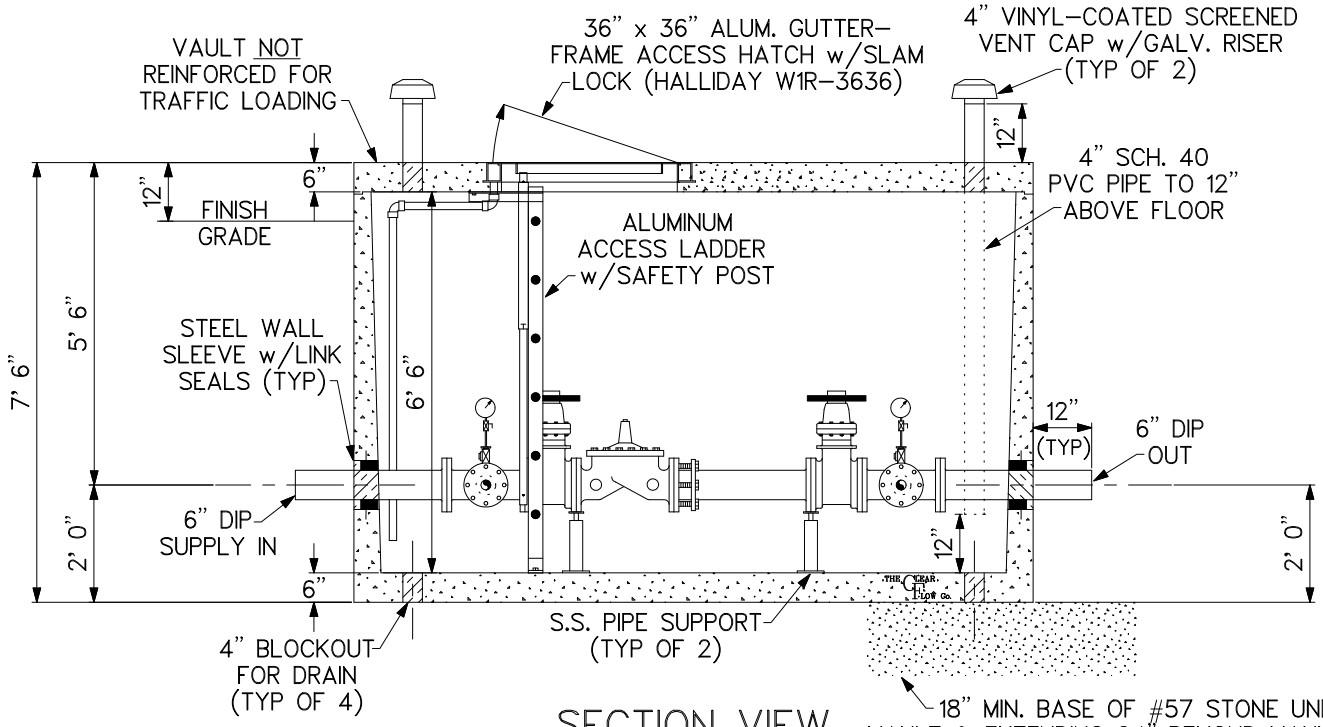
CLEAR FLOW
BY CP&P
CONCRETE PIPE & PRECAST, LLC
(800) 648 - 2678

SCALE: NONE	DATE: 3/20/08	DWG: PRV6x2-4INCH RELIEF

6" x 2" PRV VAULT w/4" PRESSURE RELIEF VALVE



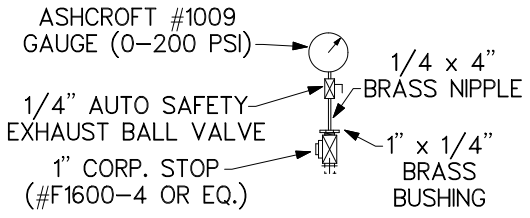
PLAN VIEW



SECTION VIEW

NOTES:

1. CLEAR FLOW VAULT SHIPPED ASSEMBLED WEIGHING APPROXIMATELY 24,000 LBS.
2. 6" PRESSURE REDUCING VALVE
3. 2" PRESSURE REDUCING VALVE

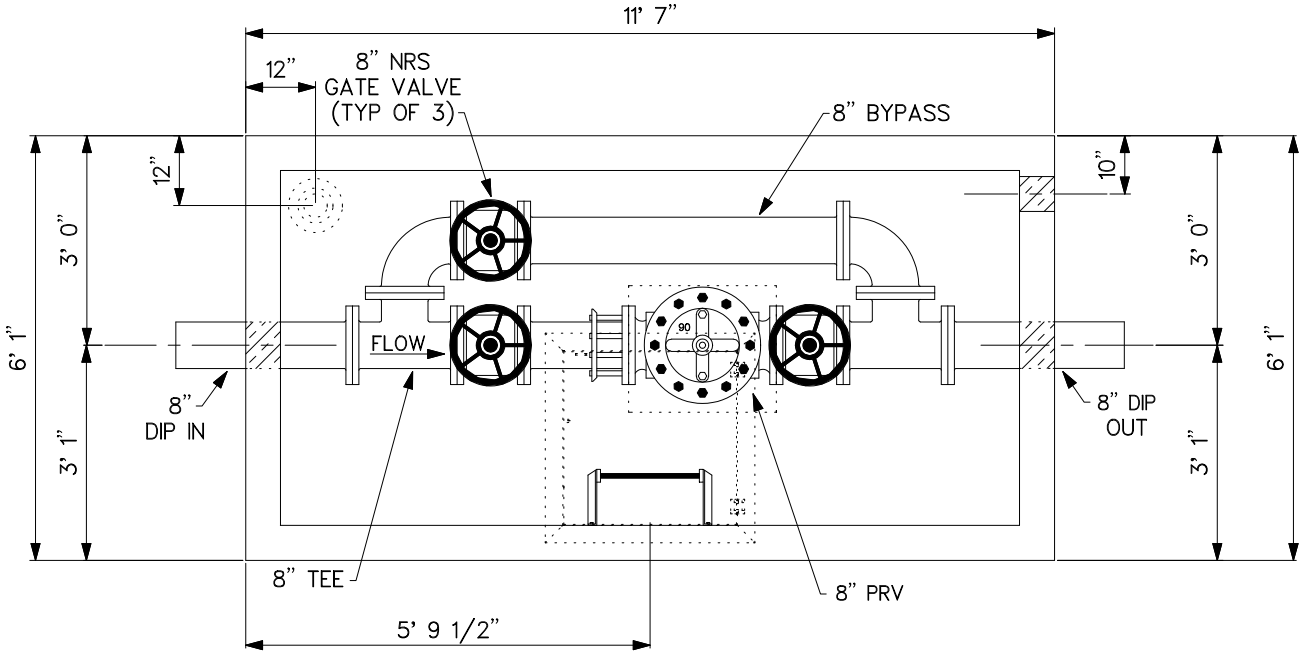


GAUGE ASSEMBLY (TYP OF 2)

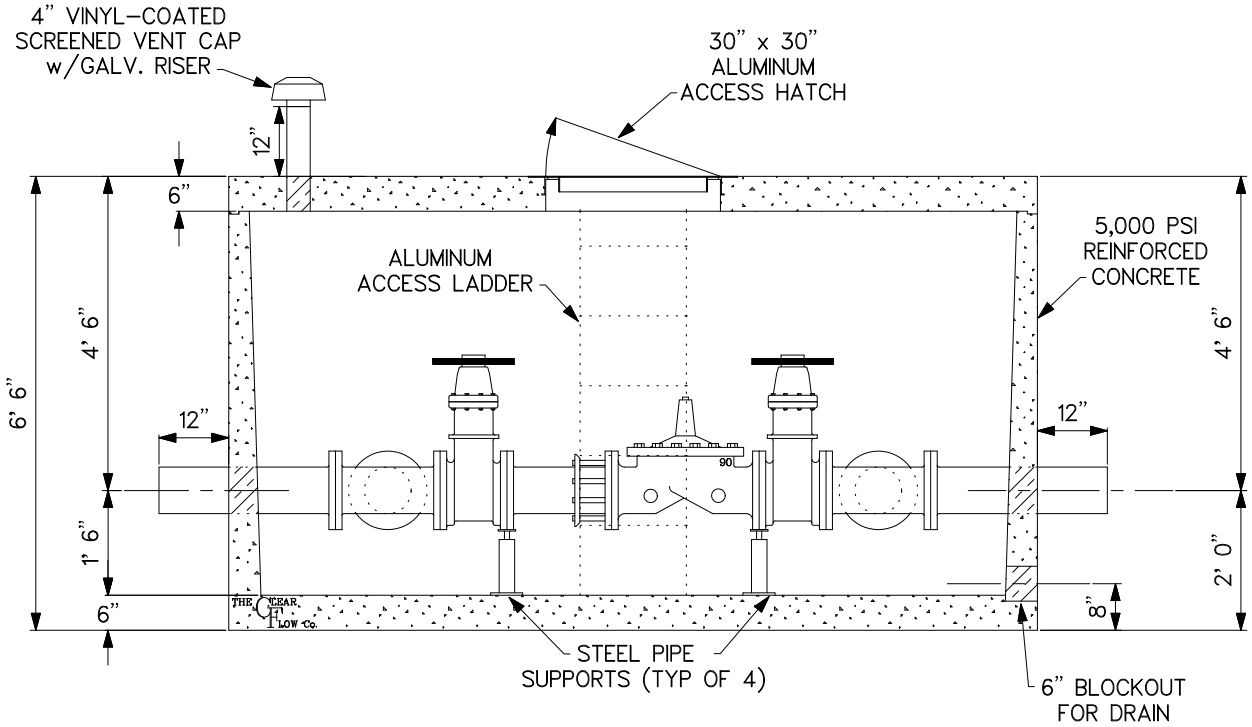
CLEAR FLOW BY CP&P
CONCRETE PIPE & PRECAST, LLC
(800) 648 - 2678

SCALE: NONE	DATE: 12/19/07	DWG: PRV6x2-CAMPBELL CO

CAMPBELL COUNTY
6" x 2" PRV VAULT



PLAN VIEW



SECTION VIEW

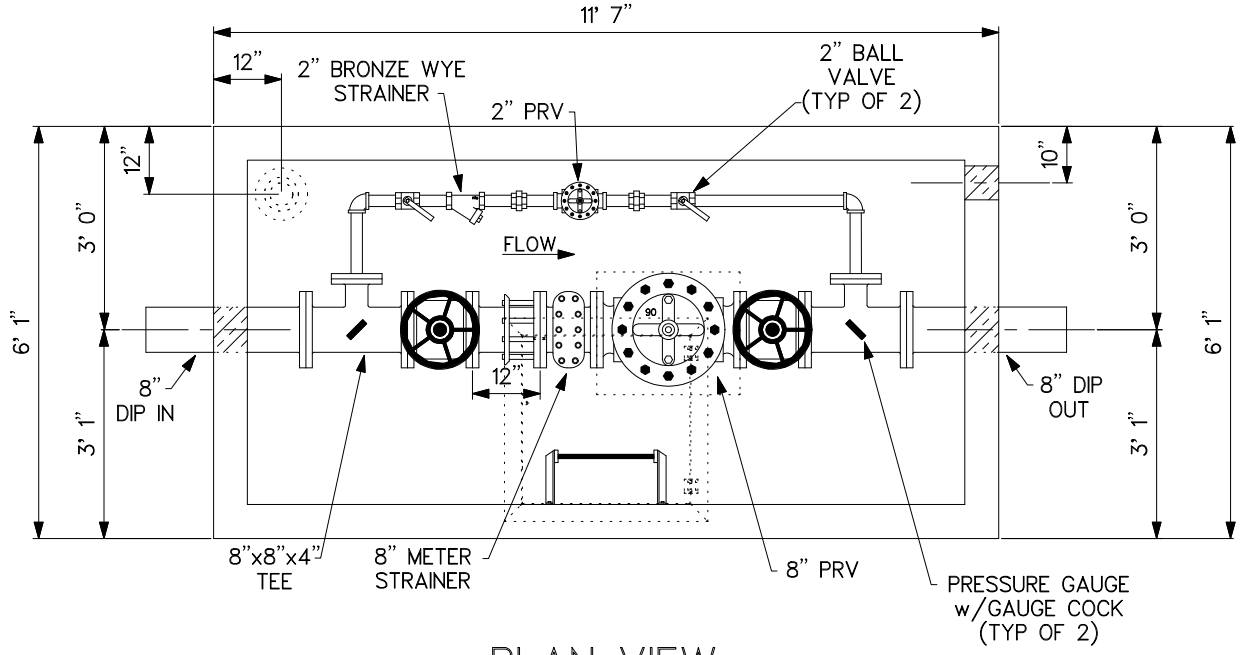
NOTES:

1. CLEAR FLOW VAULT SHIPPED ASSEMBLED WEIGHING APPROXIMATELY 25,000 LBS.
2. VAULT ALSO AVAILIBLE WITH H20 LOAD RATING

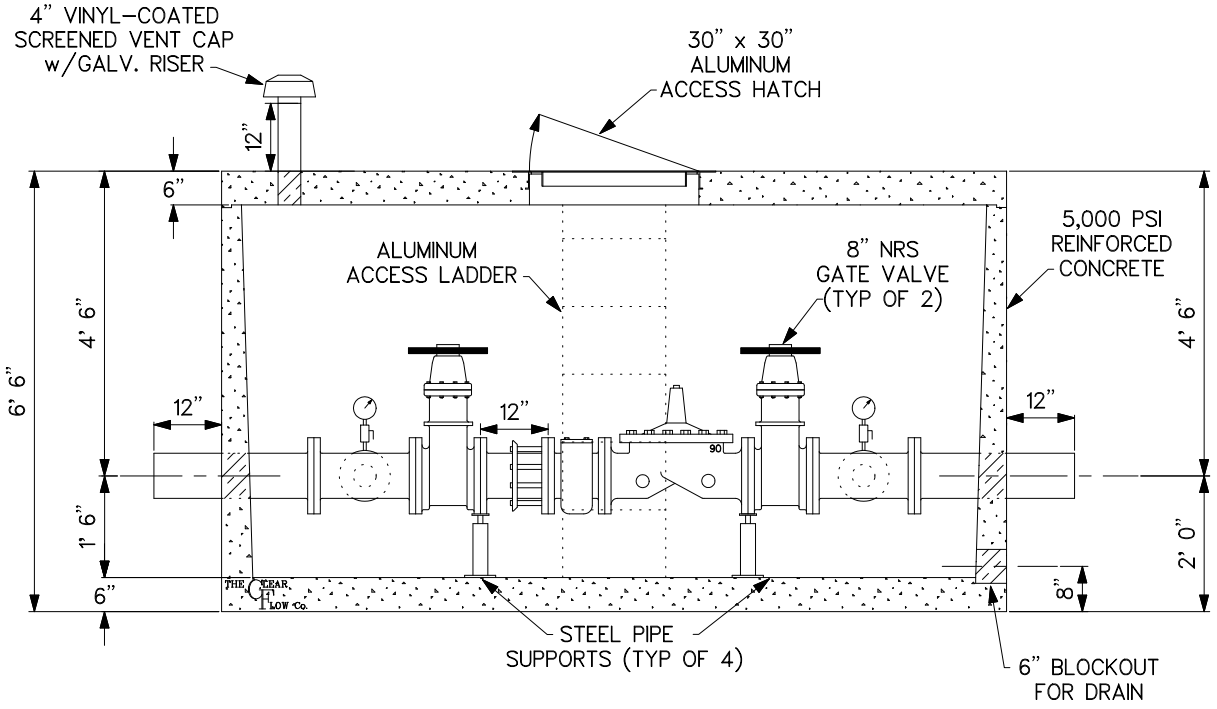
CLEAR FLOW
BY CP&P
CONCRETE PIPE & PRECAST, LLC
(800) 648 - 2678

SCALE: NONE	DATE: 7/09/98	DWG: PRV8-TJ2000

8" PRESSURE REDUCING VALVE VAULT w/8" BYPASS



PLAN VIEW



SECTION VIEW

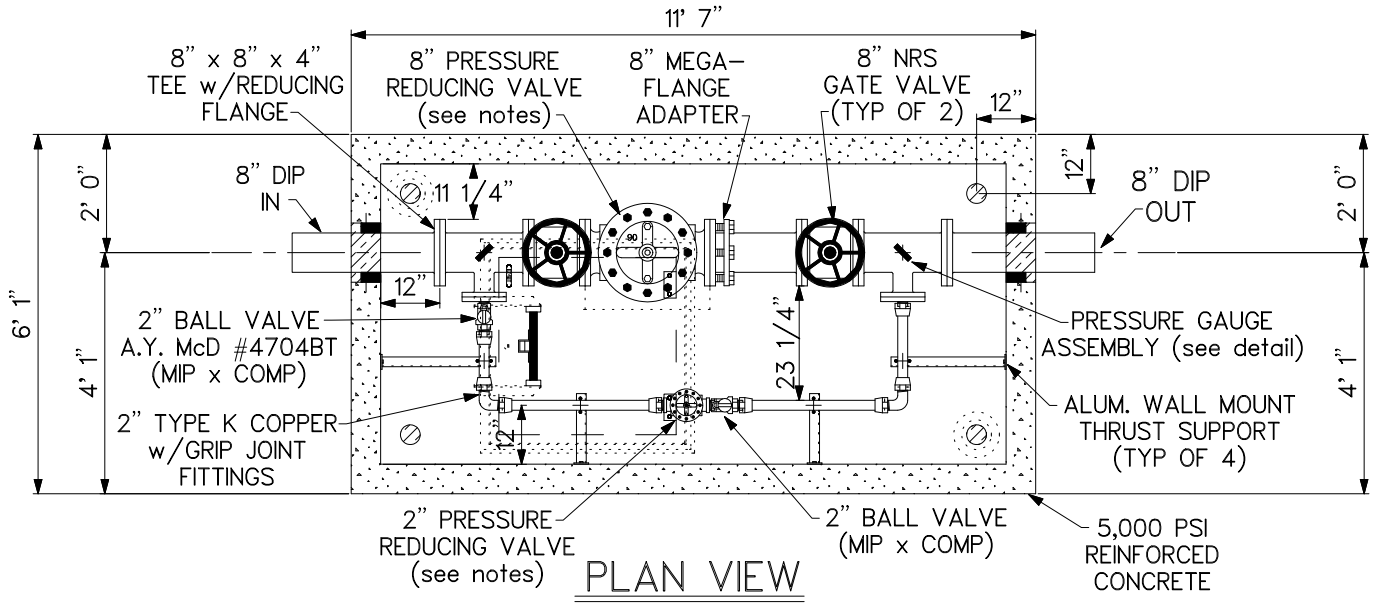
NOTES:

1. CLEAR FLOW VAULT SHIPPED ASSEMBLED WEIGHING APPROXIMATELY 25,000 LBS.
2. VAULT ALSO AVAILABLE WITH H20 LOAD RATING
3. 4" LIQUID FILLED PRESSURE GAUGES MOUNTED ON GAUGE COCK
4. 8" LINE HAS A PERFORATED-PLATE TYPE METER STRAINER. 2" LINE HAS A 'WYE' TYPE STRAINER.

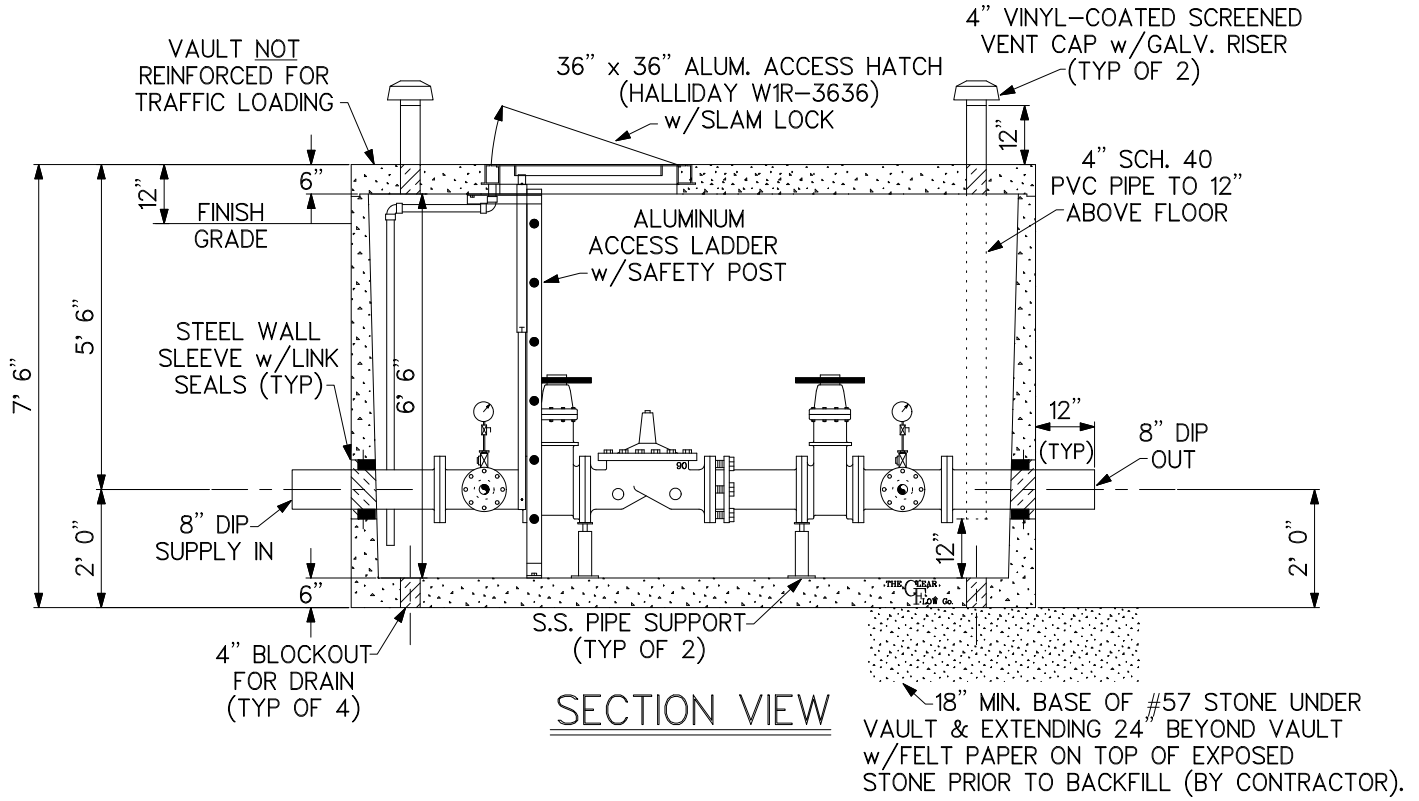
CLEAR FLOW
BY CP&P
CONCRETE PIPE & PRECAST, LLC
(800) 648 - 2678

SCALE: NONE	DATE: 7/06/06	DWG: PRV8x2-TJ2000

8" x 2" PRESSURE REDUCING VALVE VAULT



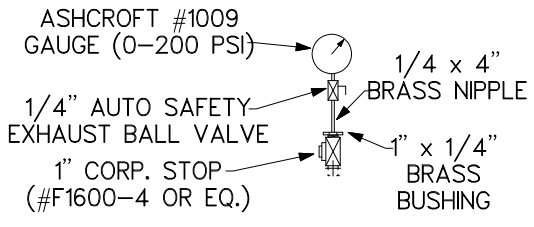
PLAN VIEW



SECTION VIEW

NOTES:

1. CLEAR FLOW VAULT SHIPPED ASSEMBLED WEIGHING APPROXIMATELY 24,000 LBS.
2. 8" PRESSURE REDUCING VALVE
3. 2" PRESSURE REDUCING VALVE

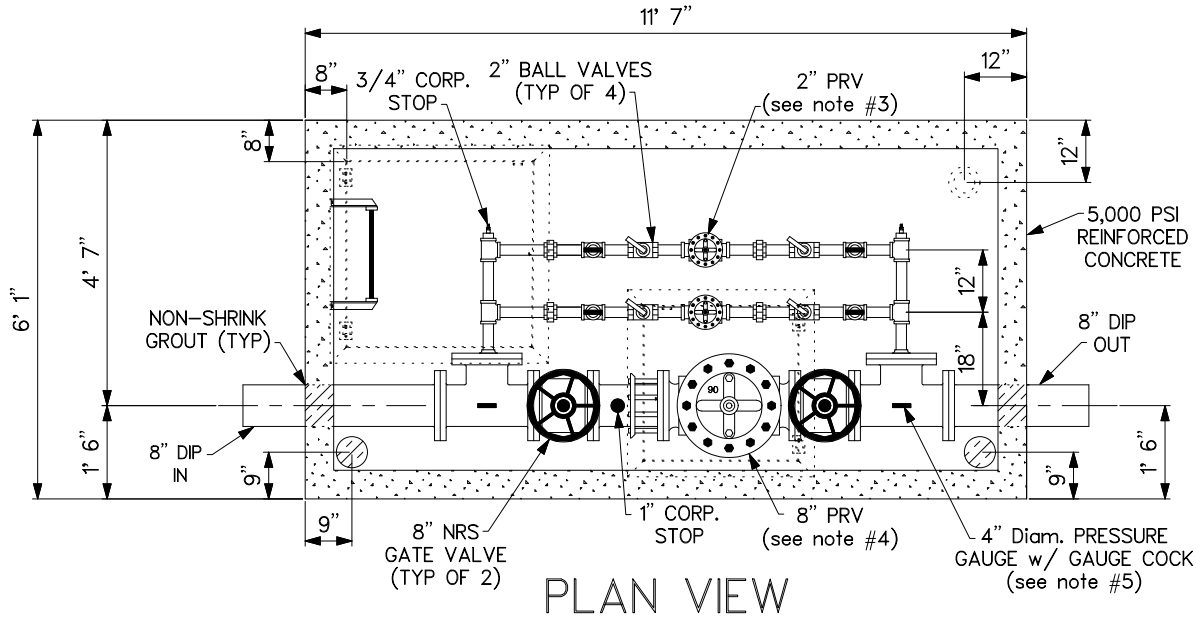


GAUGE ASSEMBLY (TYP OF 2)

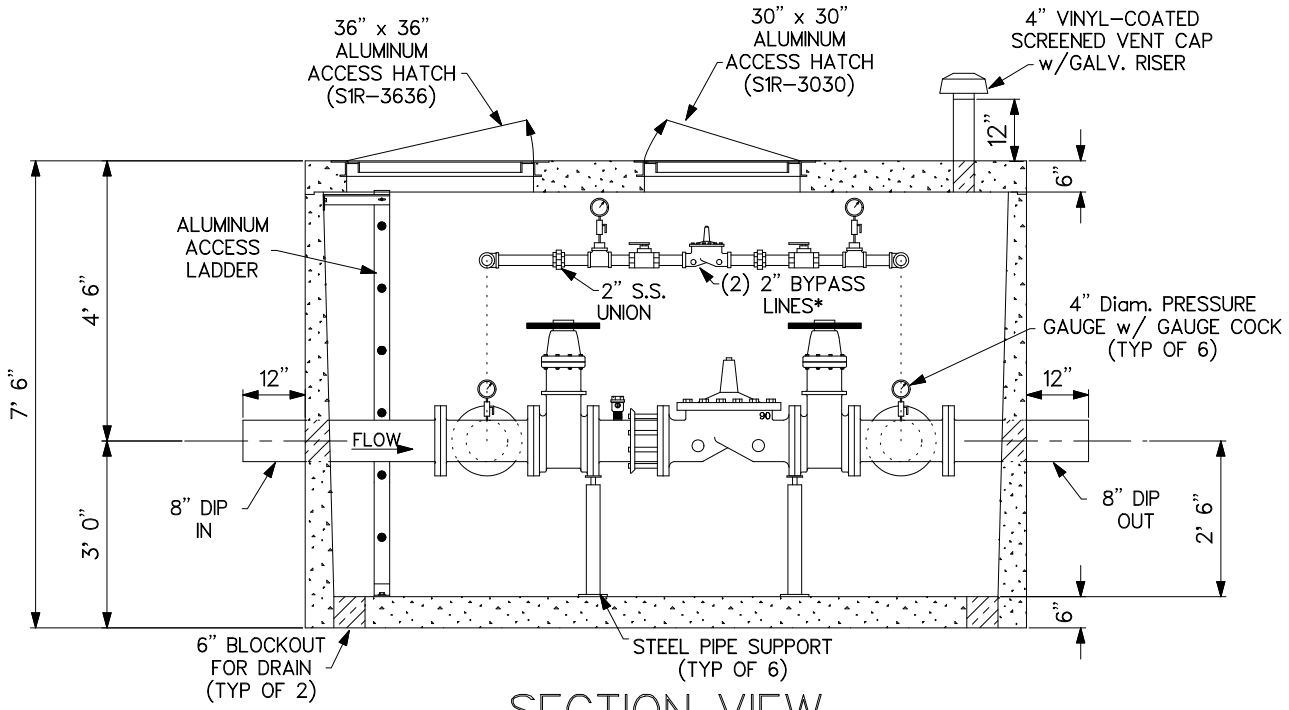
CLEAR FLOW BY CP&P
CONCRETE PIPE & PRECAST, LLC
(800) 648 - 2678

SCALE: NONE	DATE: 3/06/08	DWG: PRV8x2-CAMPBELL

CAMPBELL COUNTY
8" x 2" PRV VAULT



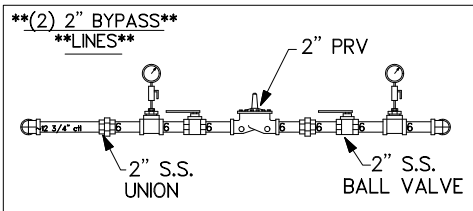
PLAN VIEW



SECTION VIEW

NOTES:

1. CLEAR FLOW VAULT SHIPPED ASSEMBLED WEIGHING APPROXIMATELY 25,000 LBS.
2. 2" LINES PIPED WITH 2" STAINLESS STEEL PIPE, FITTINGS & BALL VALVES (PRVs. ARE NOT STAINLESS STEEL)
3. 2" PRV's SHALL BE CLA-VAL PRESSURE REDUCING VALVE MODEL 90G-01ASKC (30-300psi RANGE).
4. 8" PRV SHALL BE CLA-VAL PRESSURE REDUCING VALVE MODEL 90G-01ABKC (30-300psi RANGE).
5. SIX (6) 4" ASHCROFT #1008 LIQUID-FILLED PRESSURE GAUGES (0-300psi RANGE) w/GAUGE COCKS.

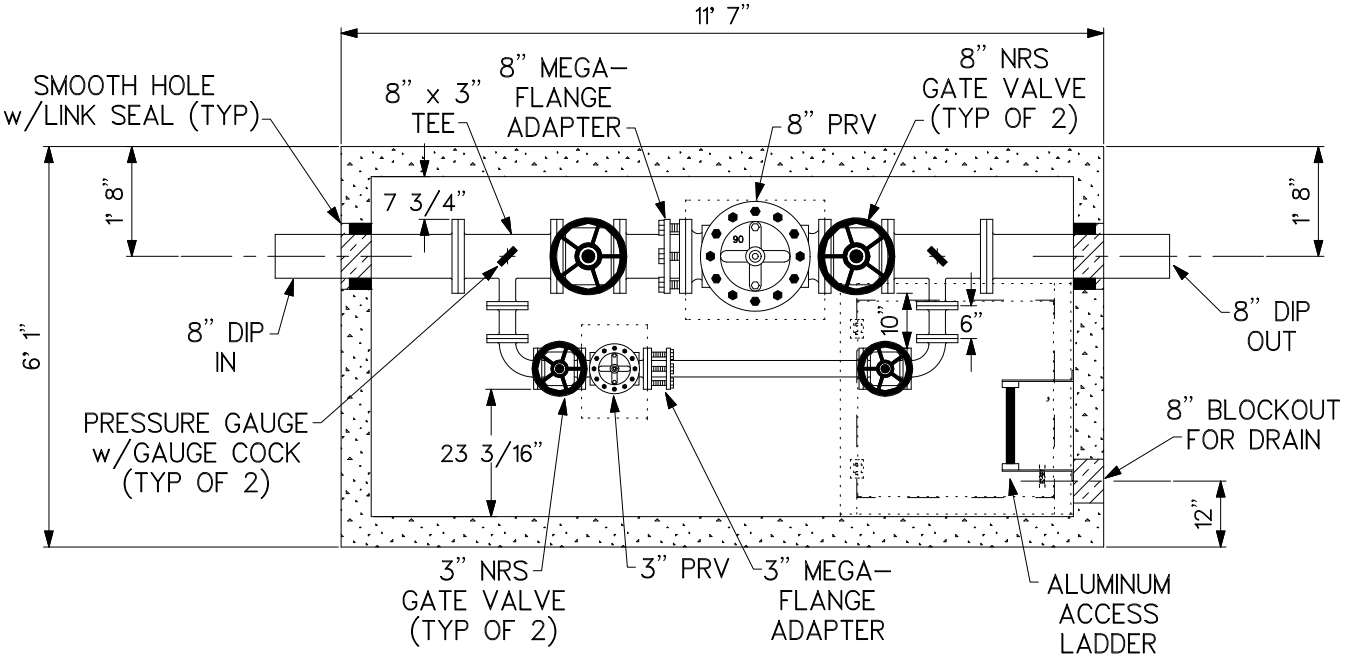


2" LINE DETAIL

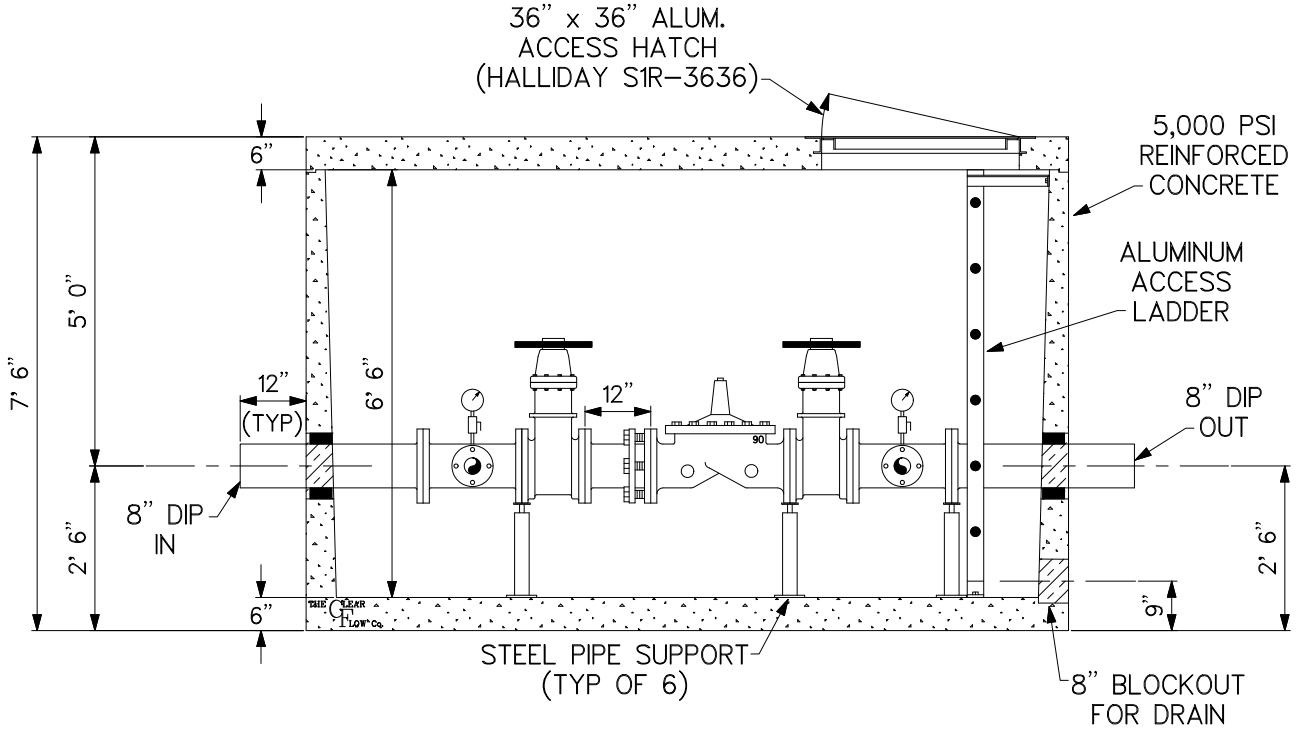
CLEAR FLOW
BY CP&P
CONCRETE PIPE & PRECAST, LLC
(800) 648 - 2678

SCALE: NONE	DATE: 5/07/08	DWG: PRV8x2x2-TJ2500

8" x 2" x 2" PRV VAULT



PLAN VIEW



SECTION VIEW

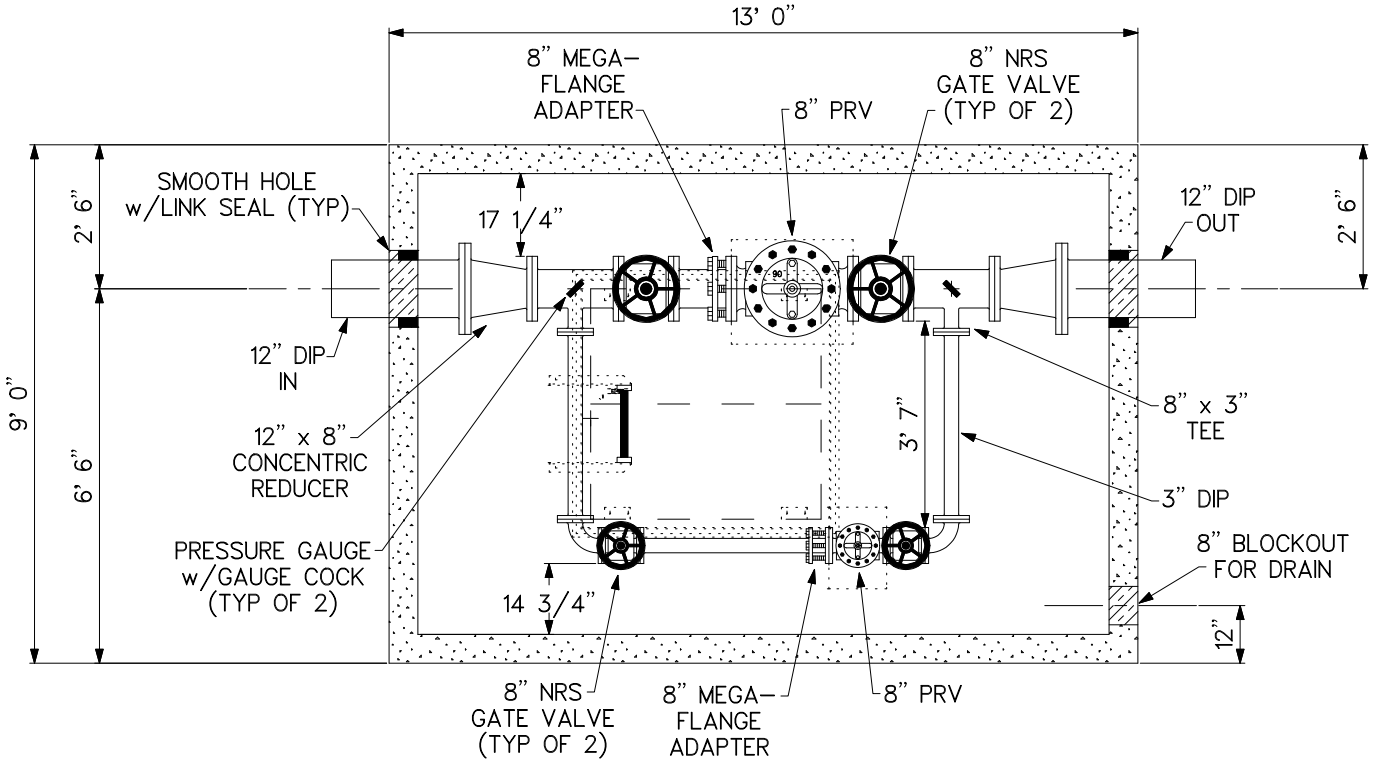
NOTES:

1. CLEAR FLOW VAULT SHIPPED ASSEMBLED WEIGHING APPROXIMATELY 27,000 LBS.
2. 8" & 3" PRESSURE REDUCING VALVES BY CLA-VAL
3. 4" LIQUID-FILLED PRESSURE GAUGES MOUNTED ON GAUGE COCK (0-300 PSI)

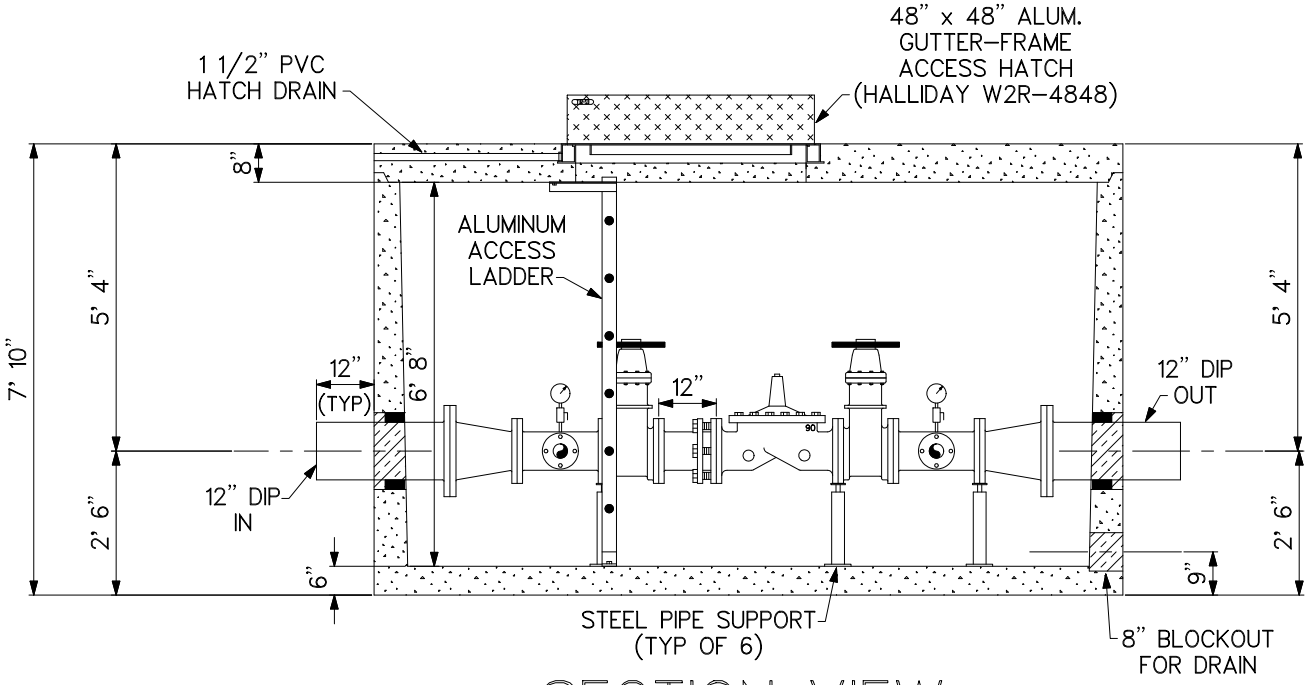
CLEAR FLOW
BY CP&P
CONCRETE PIPE & PRECAST, LLC
(800) 648 - 2678

SCALE: NONE	DATE: 4/07/06	DWG: PRV8x3-TJ2500

8" x 3" PRESSURE REDUCING VALVE VAULT



PLAN VIEW



SECTION VIEW

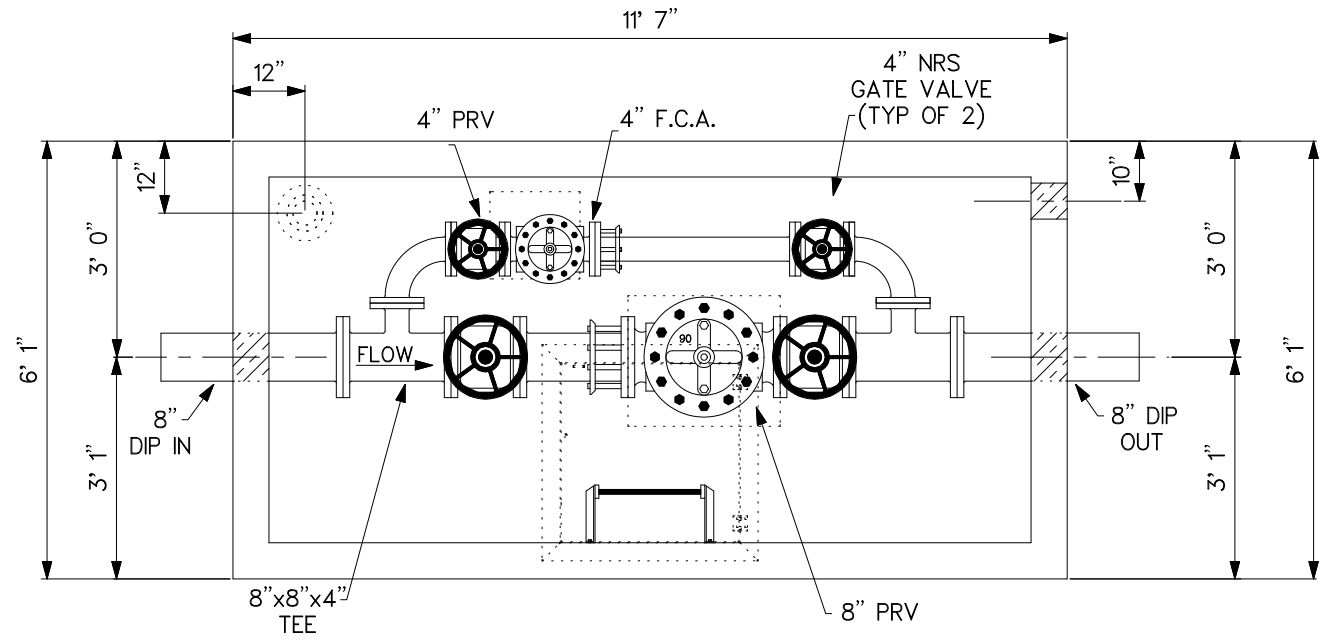
NOTES:

1. CLEAR FLOW VAULT SHIPPED ASSEMBLED WEIGHING APPROXIMATELY 44,000 LBS.
2. PRESSURE REDUCING VALVES BY CLA-VAL
3. 4" LIQUID-FILLED PRESSURE GAUGES MOUNTED ON GAUGE COCK (0-300 PSI)

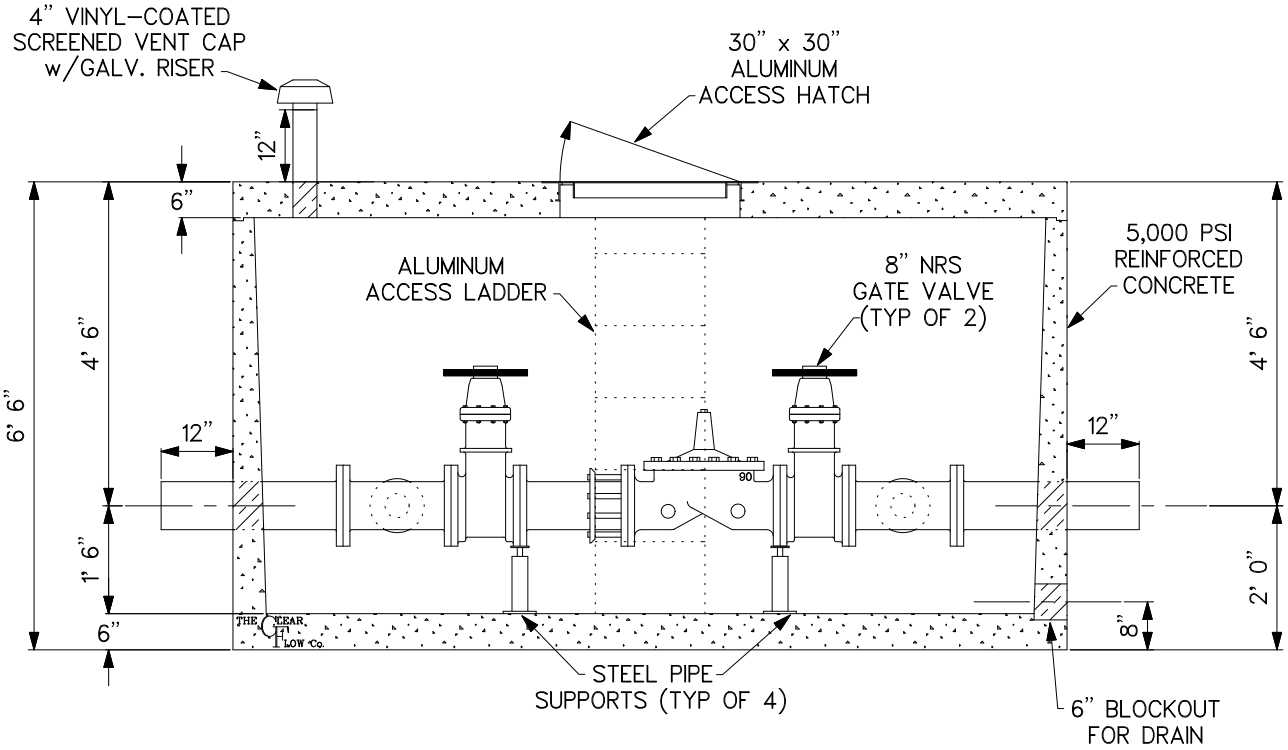
CLEAR FLOW BY CP&P
CONCRETE PIPE & PRECAST, LLC
(800) 648 - 2678

SCALE: NONE	DATE: 5/07/08	DWG: PRV8x3-TJ4000

8" x 3" PRESSURE REDUCING VALVE VAULT



PLAN VIEW



SECTION VIEW

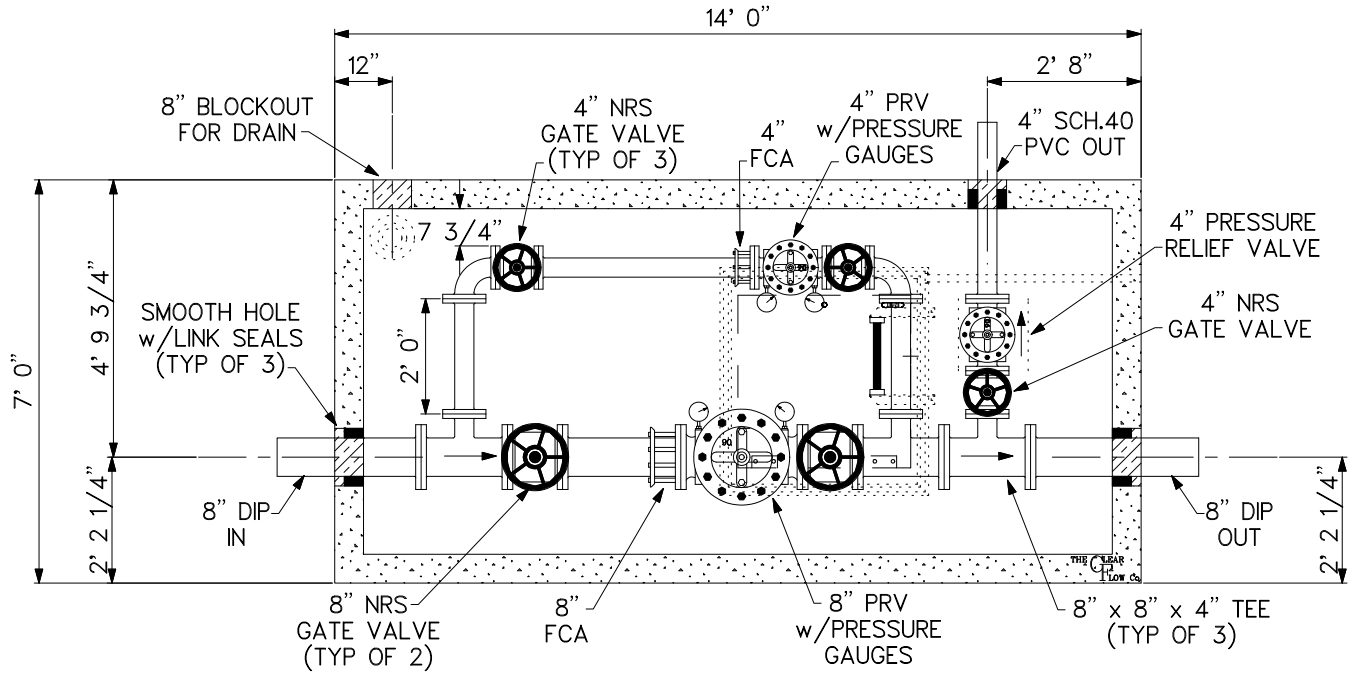
NOTES:

1. CLEAR FLOW VAULT SHIPPED ASSEMBLED WEIGHING APPROXIMATELY 25,000 LBS.
2. VAULT ALSO AVAILIBLE WITH H20 LOAD RATING

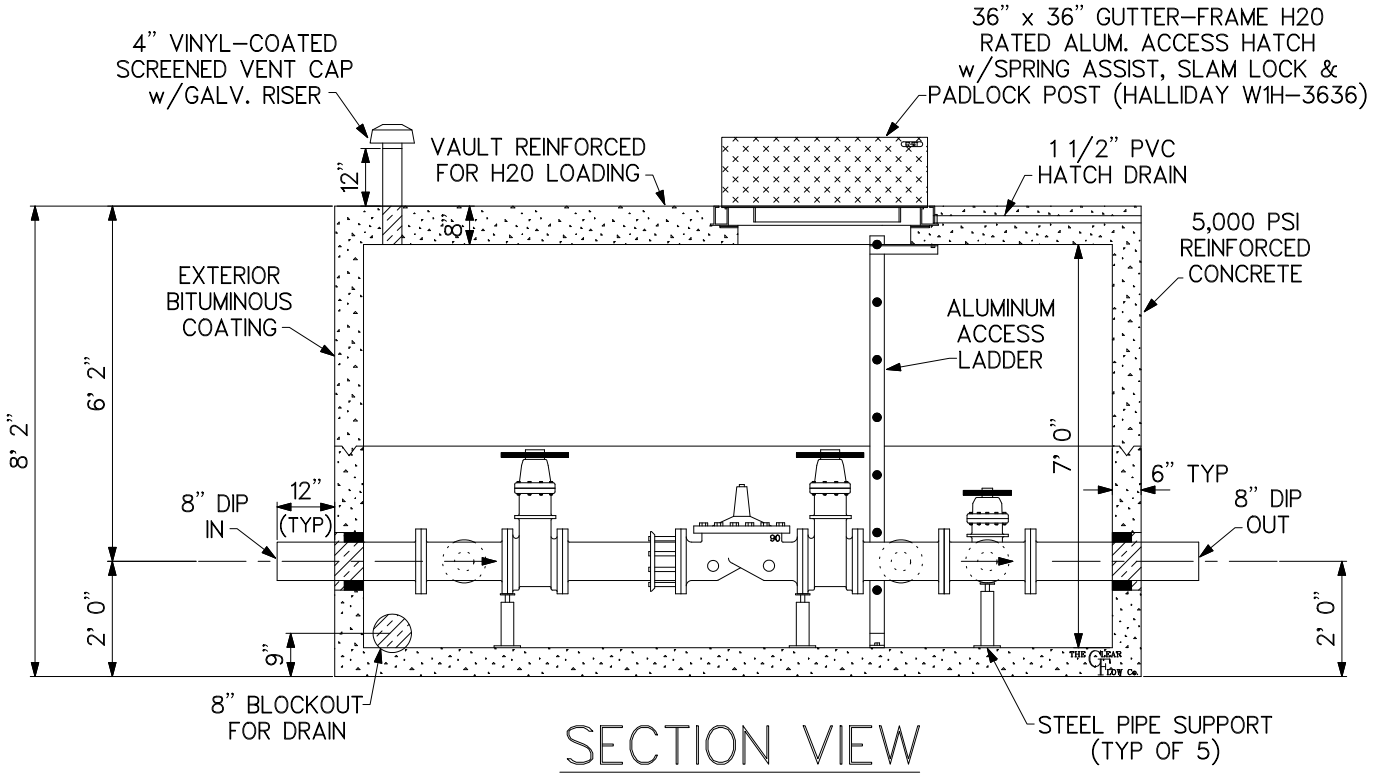
CLEAR FLOW
BY CP&P
CONCRETE PIPE & PRECAST, LLC
(800) 648 - 2678

SCALE: NONE	DATE: 7/09/98	DWG: PRV8x4-TJ2000

8" x 4" PRESSURE REDUCING VALVE VAULT



PLAN VIEW



SECTION VIEW

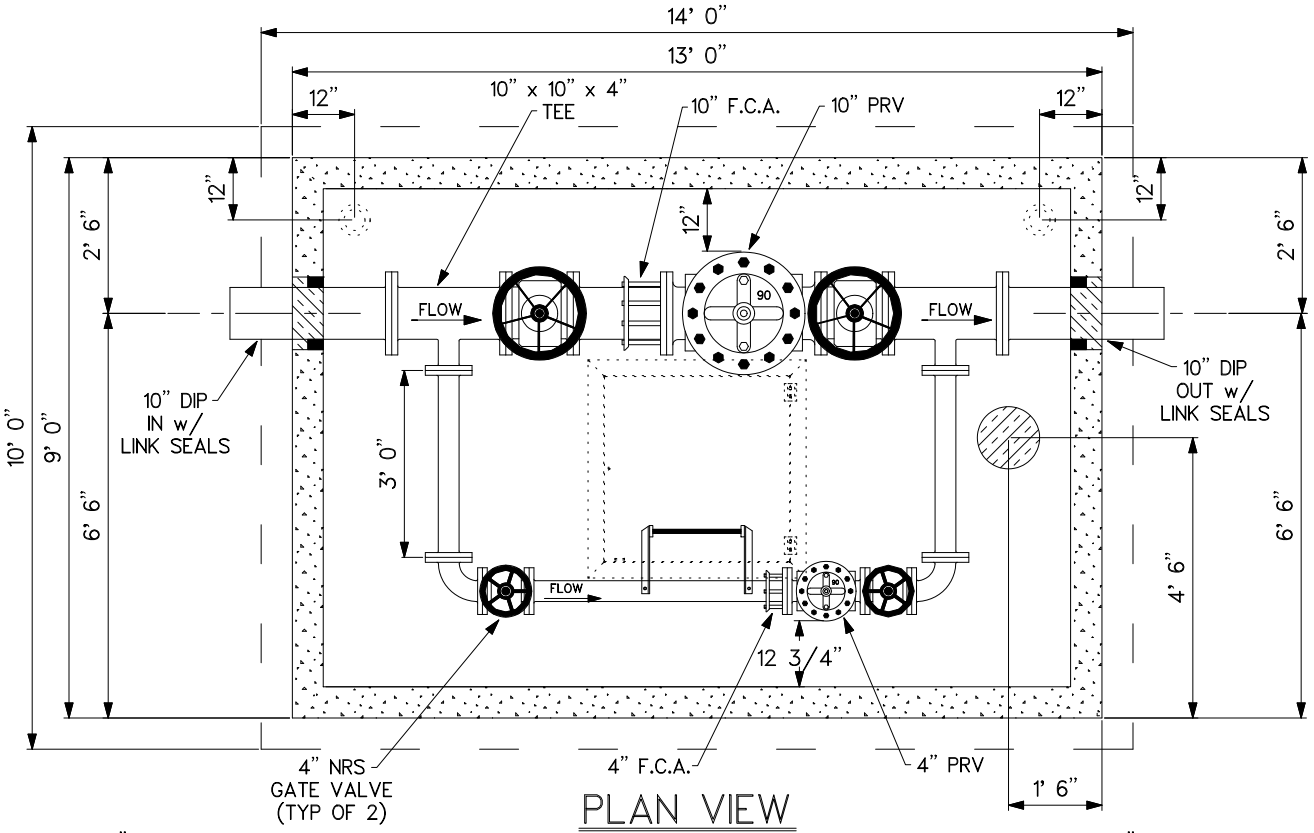
NOTES:

1. CLEAR FLOW VAULT SHIPPED ASSEMBLED WEIGHING APPROXIMATELY 42,000 LBS.
2. 8" CLA-VAL PRESSURE REDUCING VALVE #90G-01 (0-200 PSI)
3. 4" CLA-VAL PRESSURE REDUCING VALVE #90G-01 (0-200 PSI)
4. 4" CLA-VAL PRESSURE RELIEF VALVE #50G-01 (20-200 PSI RANGE)
5. ALUMINUM ACCESS HATCHES ARE RATED FOR OFF-STREET USE IN LOW-DENSITY TRAFFIC AREAS ONLY

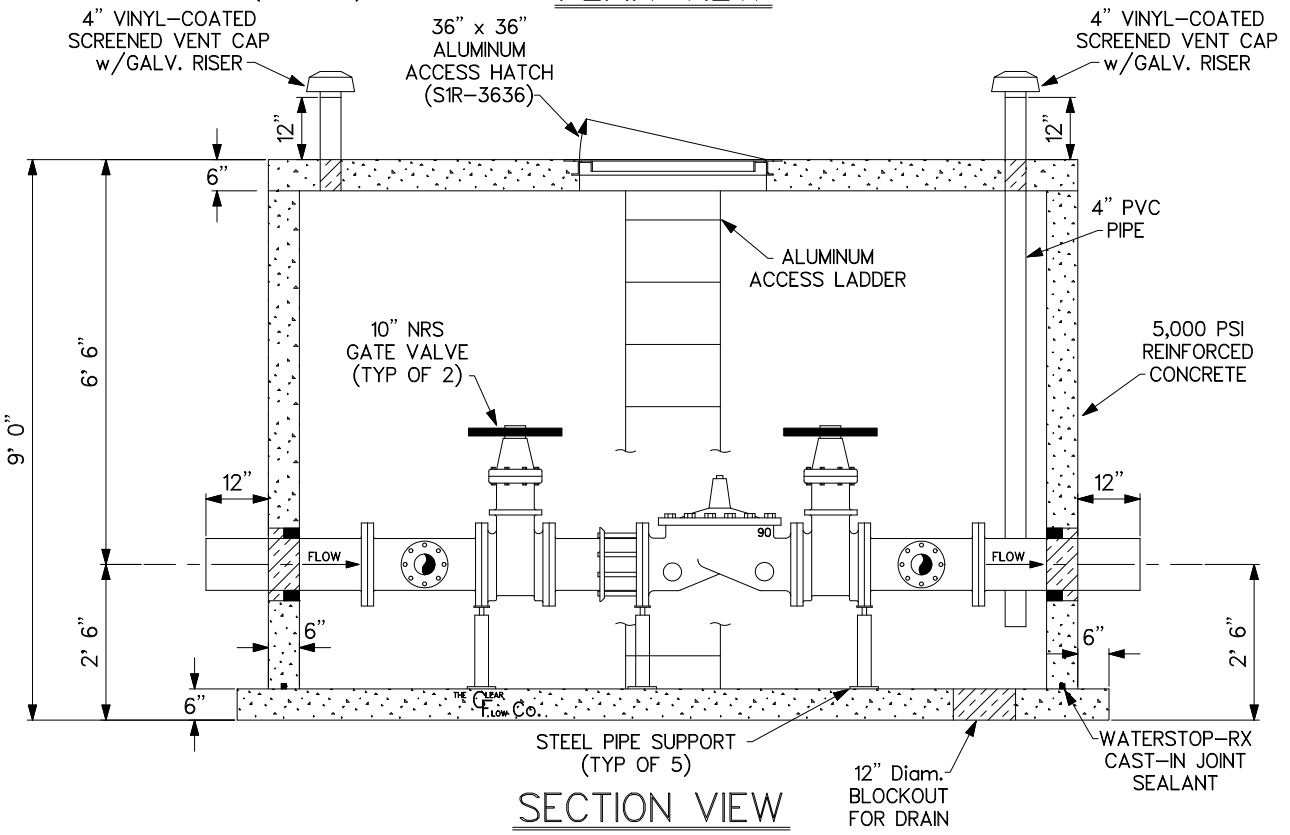
CLEAR FLOW
BY CP&P
CONCRETE PIPE & PRECAST, LLC
(800) 648 - 2678

SCALE: NONE	DATE: 5/07/08	DWG: PRV8x4-4INCH RELIEF

8" x 4" PRV VAULT w/4" PRESSURE RELIEF VALVE



PLAN VIEW



SECTION VIEW

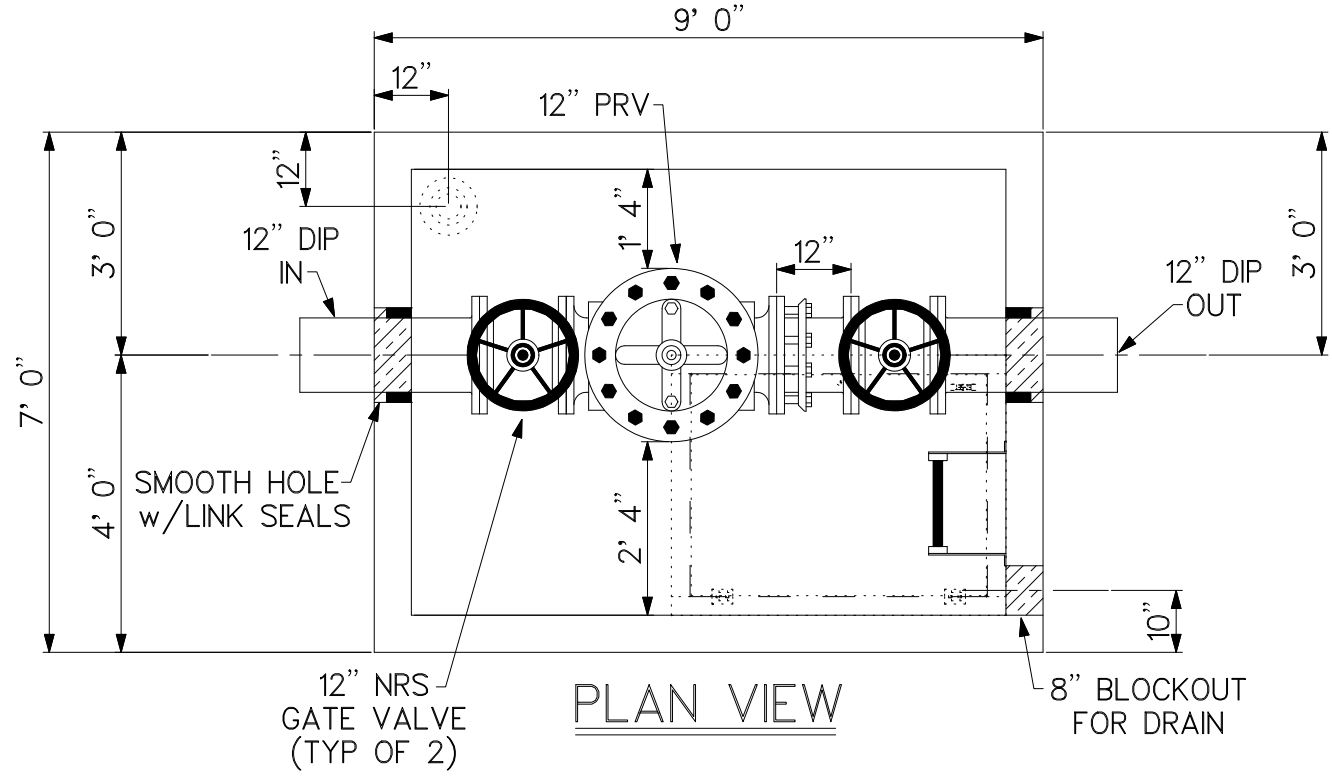
NOTES:

1. CLEAR FLOW PRV VAULT SHIPPED IN TWO PIECES TO BE ASSEMBLED BY THE CONTRACTOR
2. HEAVIEST LIFT APPROXIMATELY 38,000 LBS.

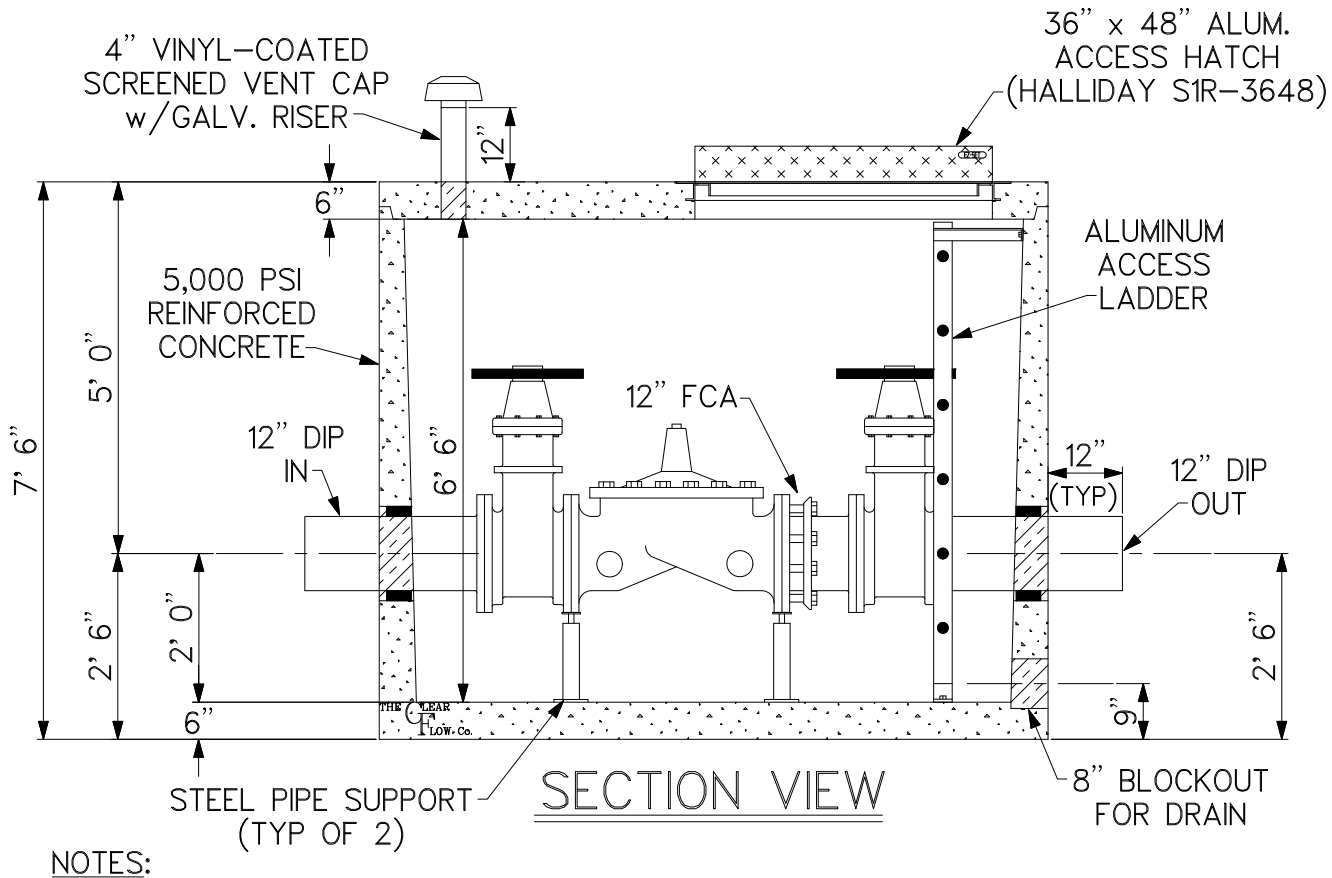
CLEAR FLOW
BY CP&P
CONCRETE PIPE & PRECAST, LLC
(800) 648 - 2678

SCALE: NONE	DATE: 7/08/98	DWG: PRV10x4-CUSTOM

10" x 4" PRV VAULT



PLAN VIEW



SECTION VIEW

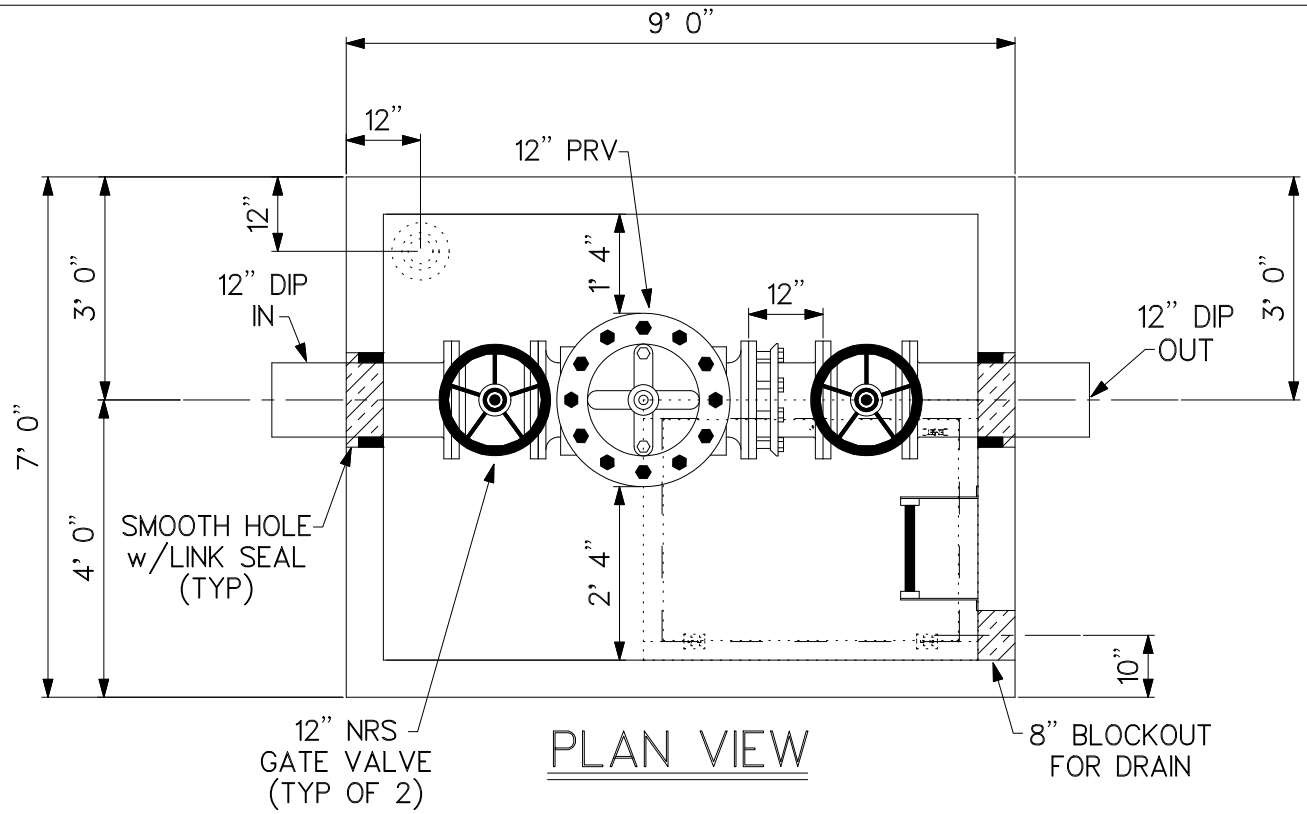
NOTES:

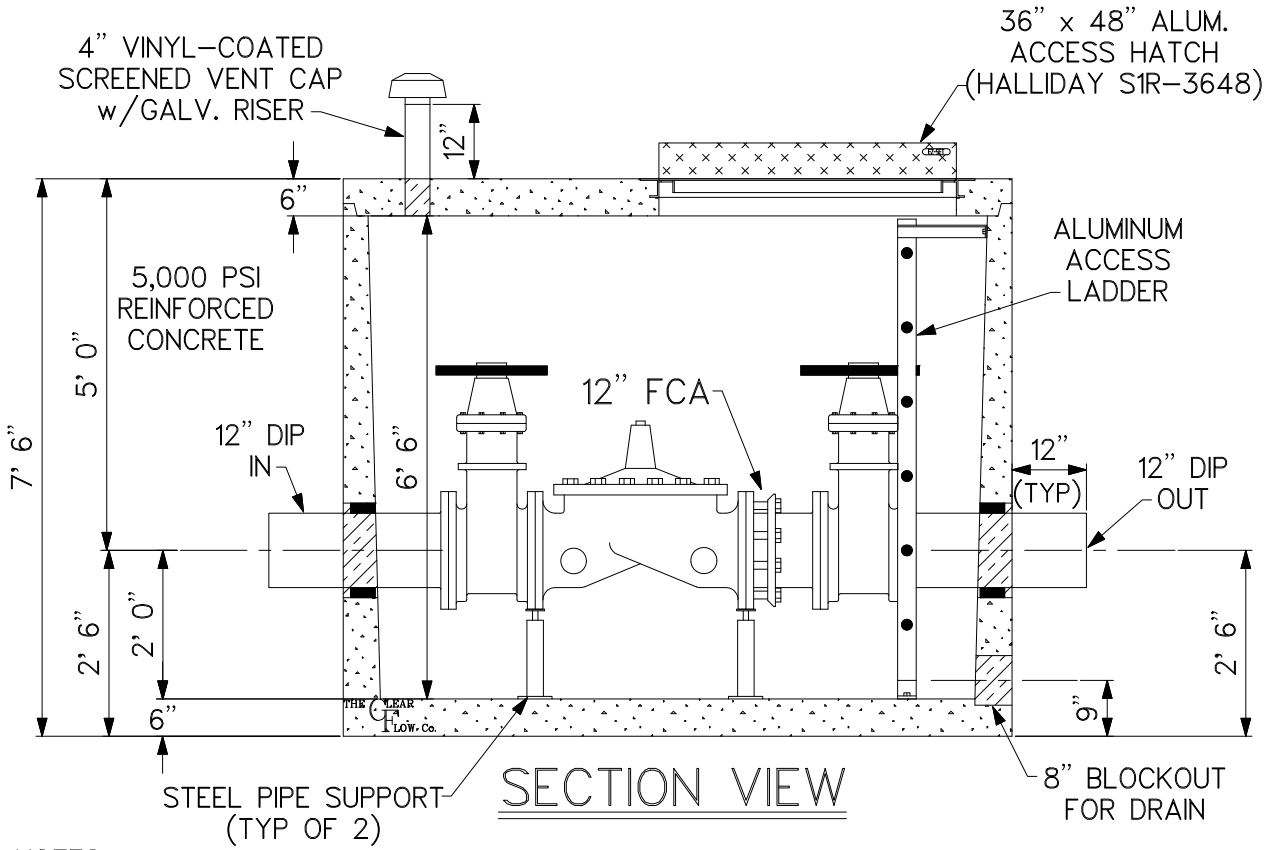
1. CLEAR FLOW VAULT SHIPPED ASSEMBLED WEIGHING APPROX. 24,000 LBS.

CLEAR FLOW
BY CP&P
CONCRETE PIPE & PRECAST, LLC
(800) 648 - 2678

SCALE: NONE	DATE: 5/07/08	DWG: PRV12-TJ6x8

12" PRESSURE REDUCING VALVE VAULT





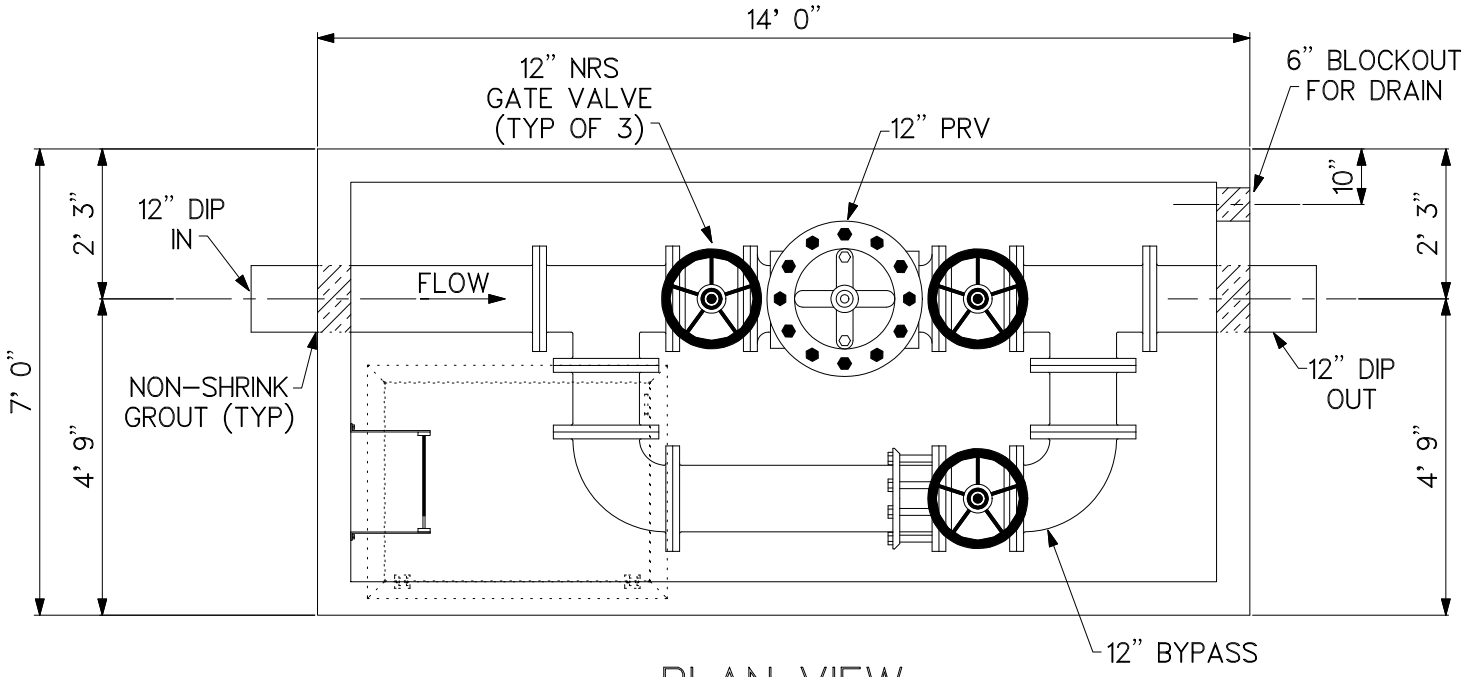
NOTES:

1. CLEAR FLOW VAULT SHIPPED ASSEMBLED WEIGHING APPROX. 24,000 LBS.

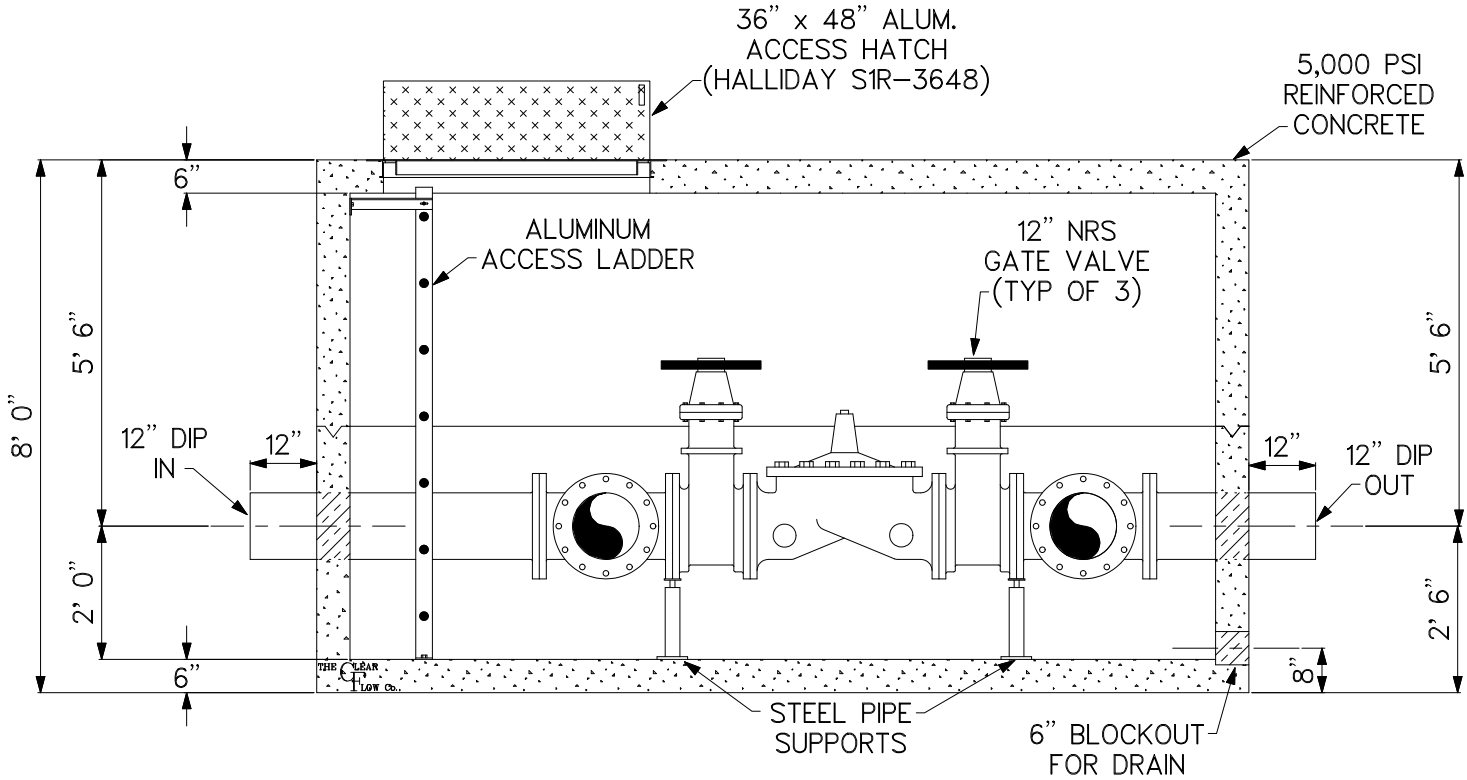
CLEAR FLOW
BY CP&P
CONCRETE PIPE & PRECAST, LLC
(800) 648 – 2678

SCALE: NONE	DATE:	DWG: PRV12-6x8

12" PRV VAULT



PLAN VIEW



SECTION VIEW

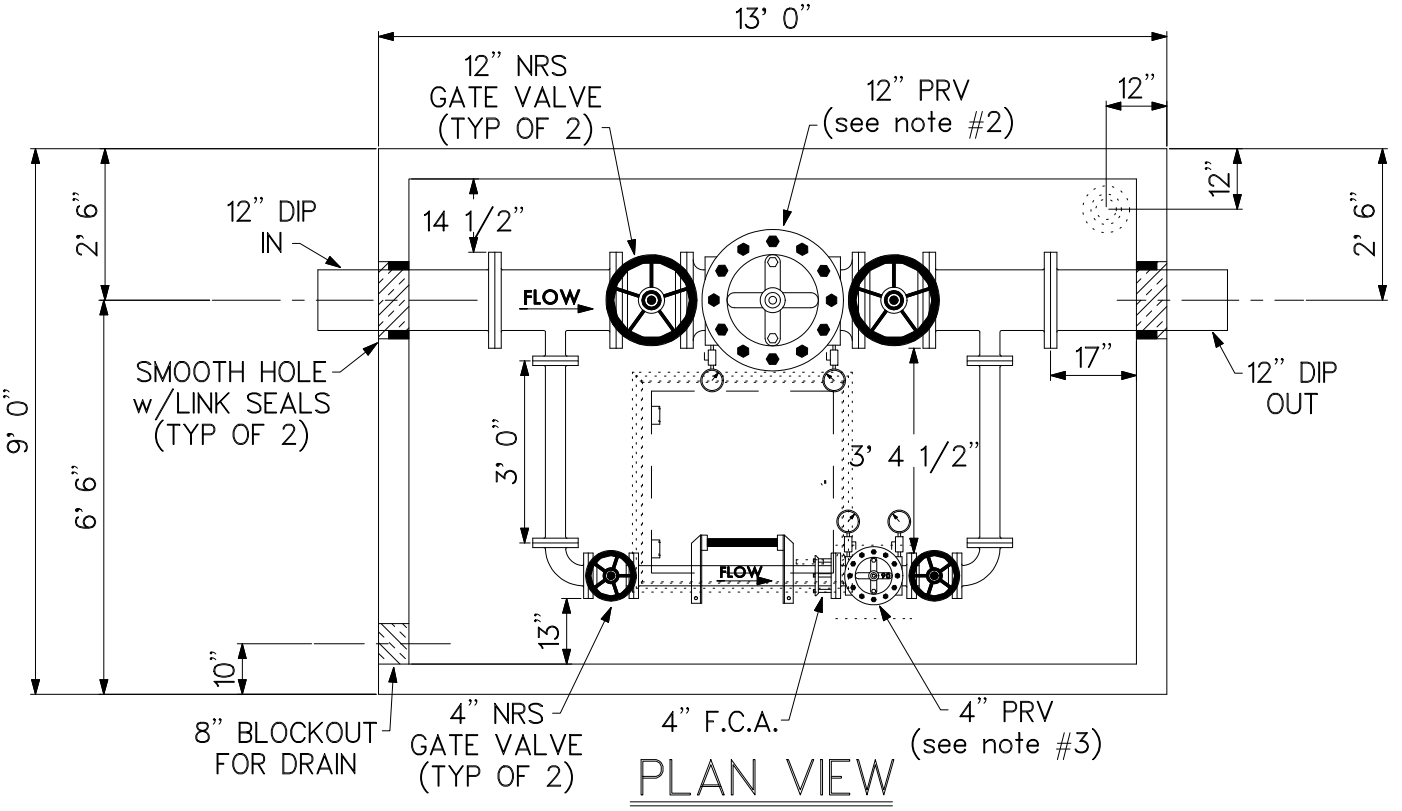
NOTES:

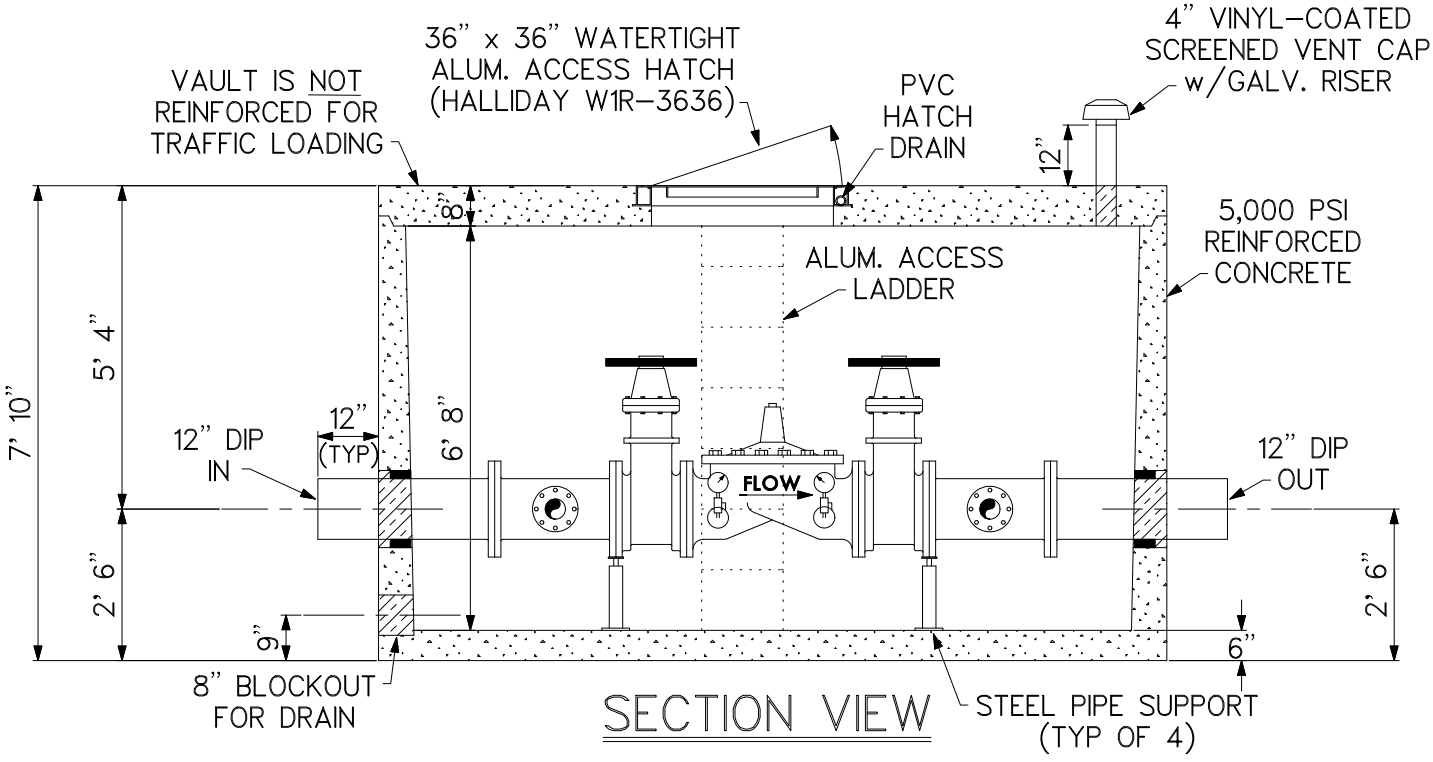
1. CLEAR FLOW VAULT SHIPPED ASSEMBLED WEIGHING APPROXIMATELY
2. ALSO AVAILABLE WITH H20 LOAD RATING

CLEAR FLOW
BY CP&P
CONCRETE PIPE & PRECAST, LLC
(800) 648 - 2678

SCALE: NONE	DATE: 9/18/08	DWG: PRV12-3500

12" PRV VAULT w/12" BYPASS





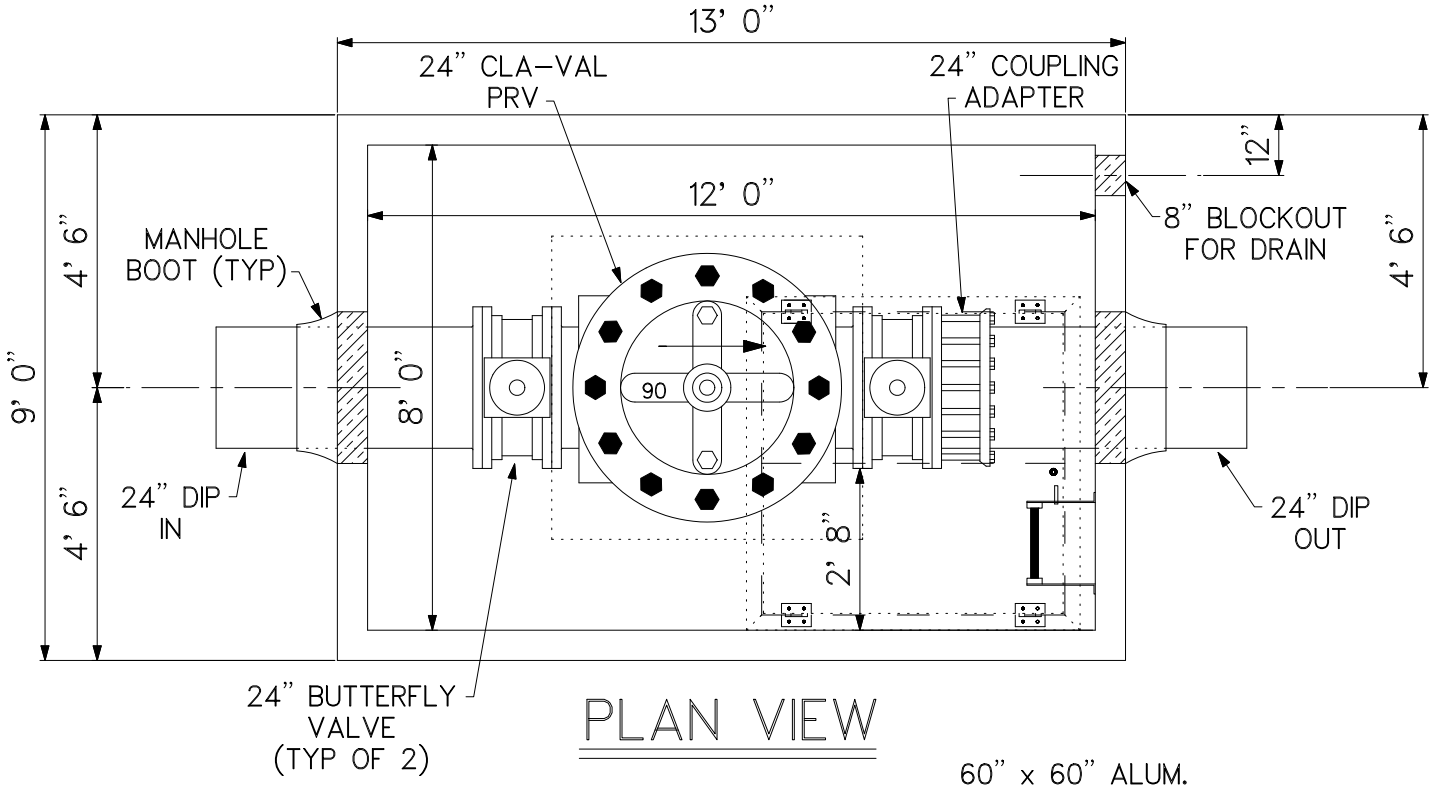
NOTES:

1. CLEAR FLOW VAULT SHIPPED ASSEMBLED WEIGHING APPROXIMATELY 48,000 LBS.
2. 12" CLA-VAL #90G-01 PRESSURE REDUCING VALVE w/X141 GAUGES
3. 4" CLA-VAL #90G-01 PRESSURE REDUCING VALVE w/X141 GAUGES

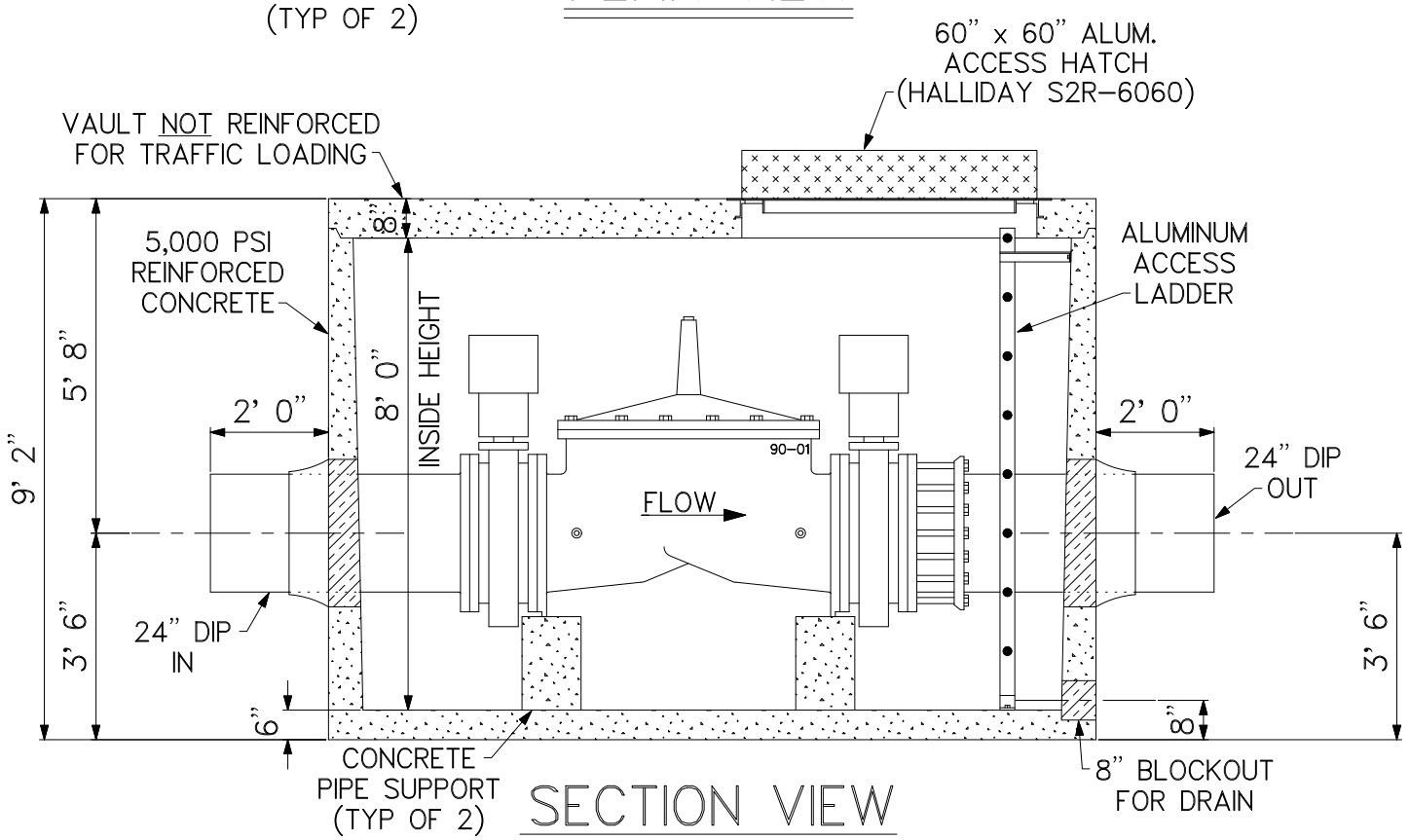
CLEAR FLOW
BY CP&P
CONCRETE PIPE & PRECAST, LLC
(800) 648 - 2678

SCALE: NONE	DATE:	DWG: PRV12x4-TJ4000

12" x 4" PRV VAULT (TJ-4000)



PLAN VIEW



SECTION VIEW

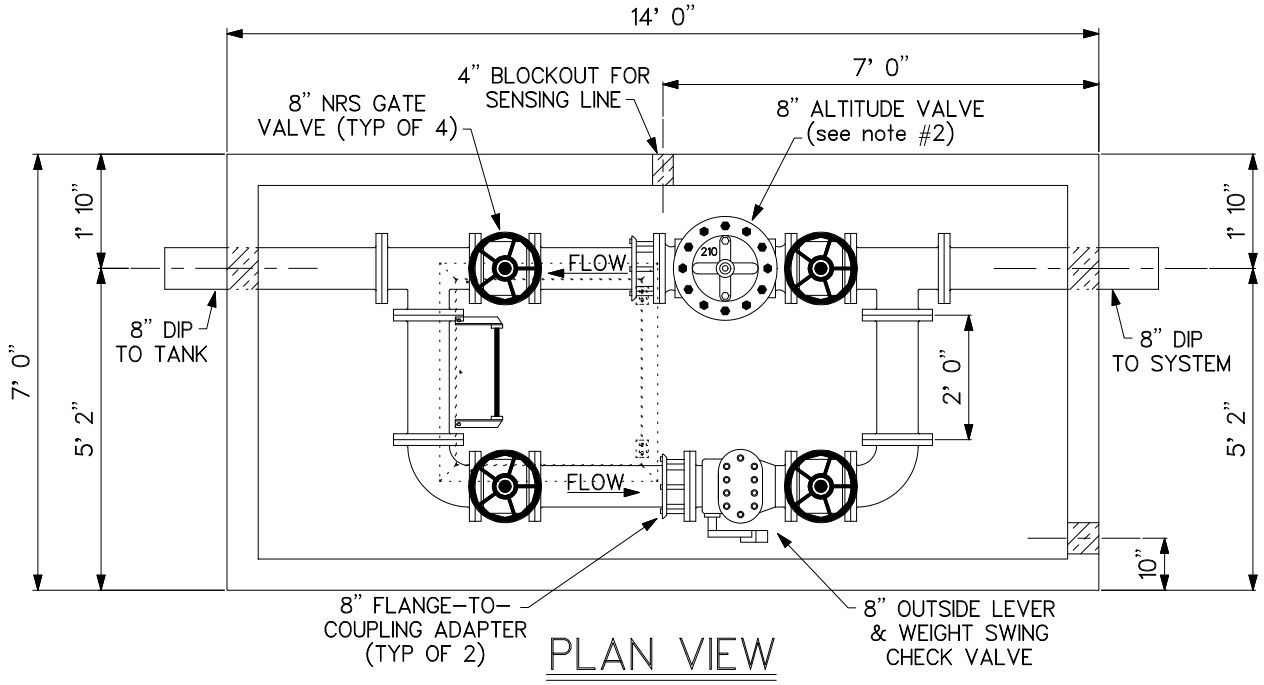
NOTES:

1. CLEAR FLOW VAULT SHIPPED IN SECTIONS TO BE ASSEMBLED BY THE CONTRACTOR
2. 24" CLA-VAL PRESSURE REDUCING VALVE

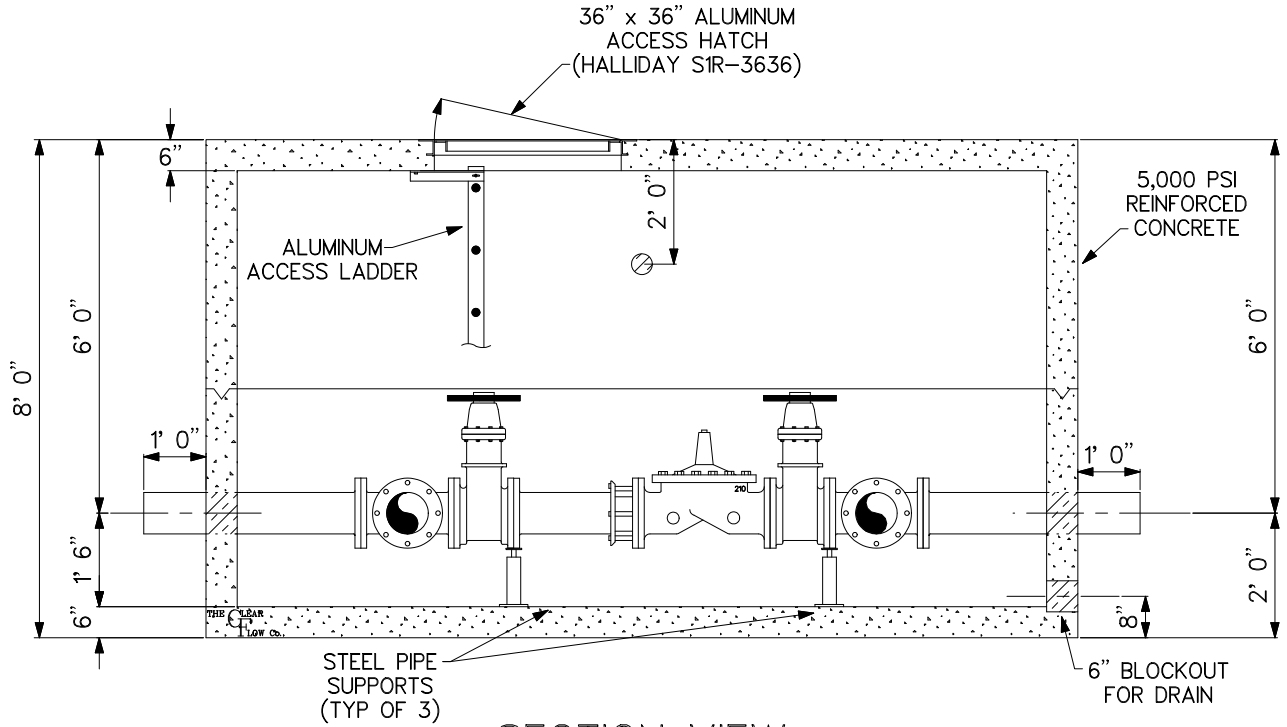
CLEAR FLOW
BY CP&P
CONCRETE PIPE & PRECAST, LLC
(800) 648 - 2678

SCALE: NONE	DATE:	DWG: PRV24-5000

24" PRV (TJ-5000 VAULT)



PLAN VIEW



SECTION VIEW

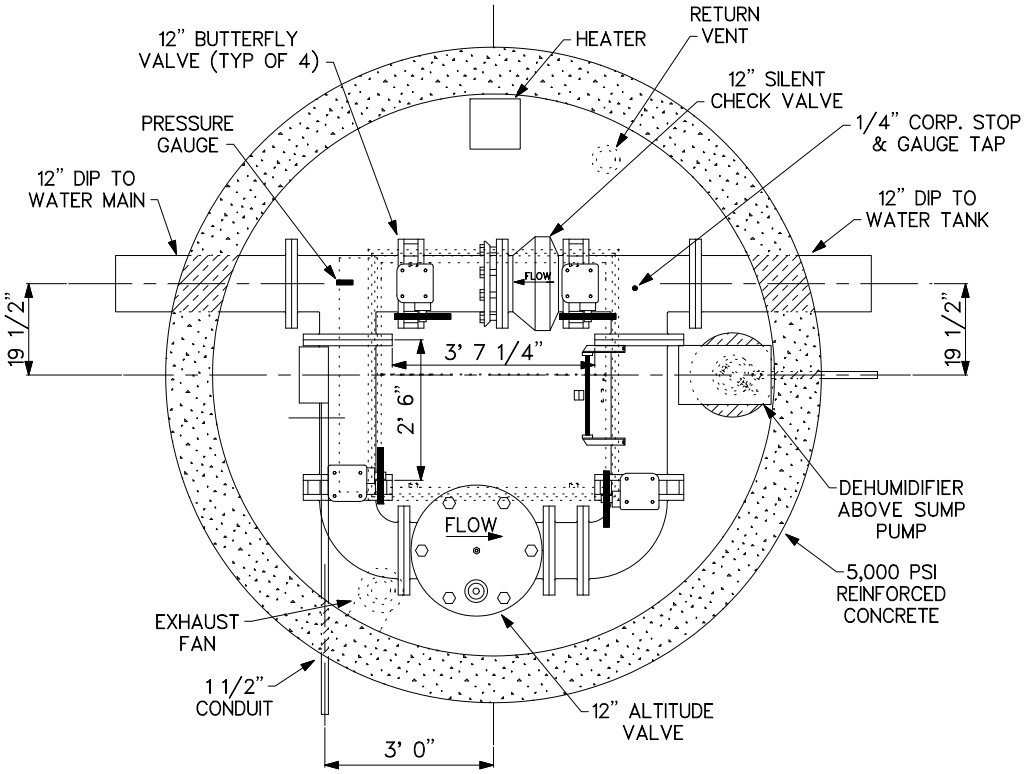
NOTES:

1. CLEAR FLOW VAULT SHIPPED ASSEMBLED WEIGHING APPROXIMATELY 39,000 LBS.
2. 8" ALTITUDE VALVE (ONE-WAY FLOW)
3. 8" OL&W SWING CHECK VALVE

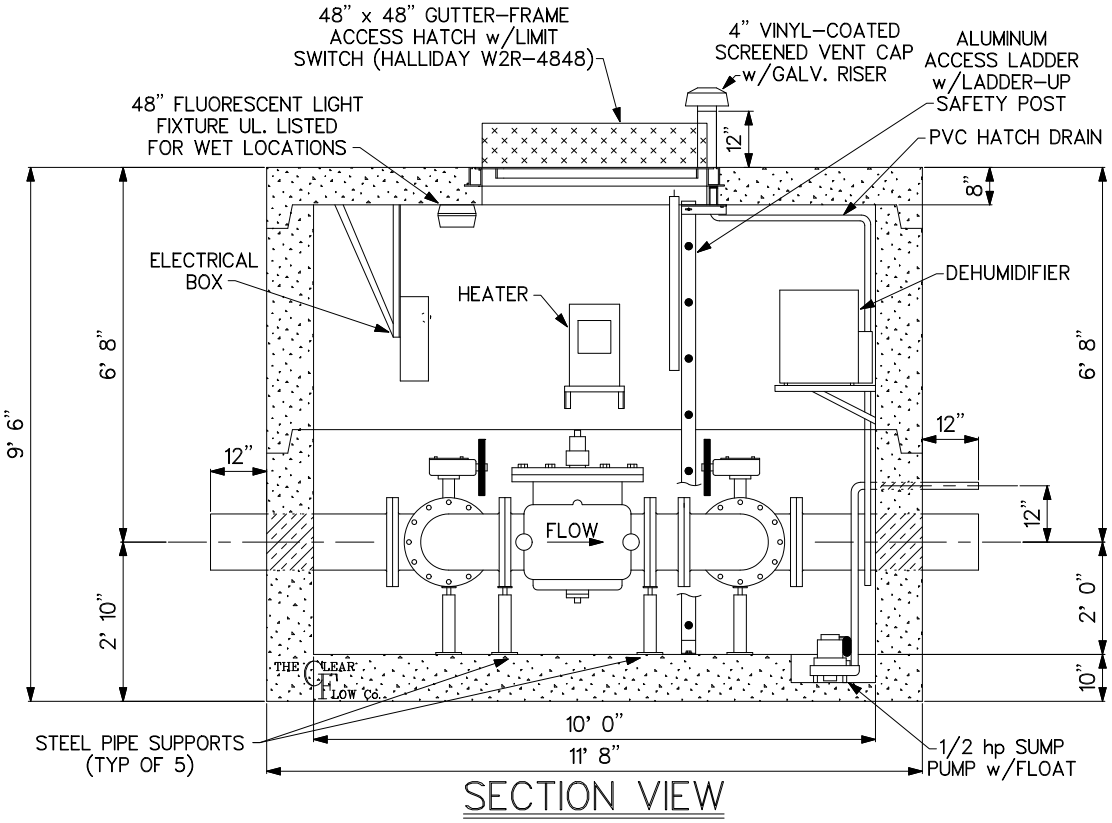
CLEAR FLOW
BY CP&P
CONCRETE PIPE & PRECAST, LLC
(800) 648 - 2678

SCALE: NONE	DATE: 9/18/08	DWG: ALTITUDEVV8-3500

8" ALTITUDE VALVE VAULT



PLAN VIEW



SECTION VIEW

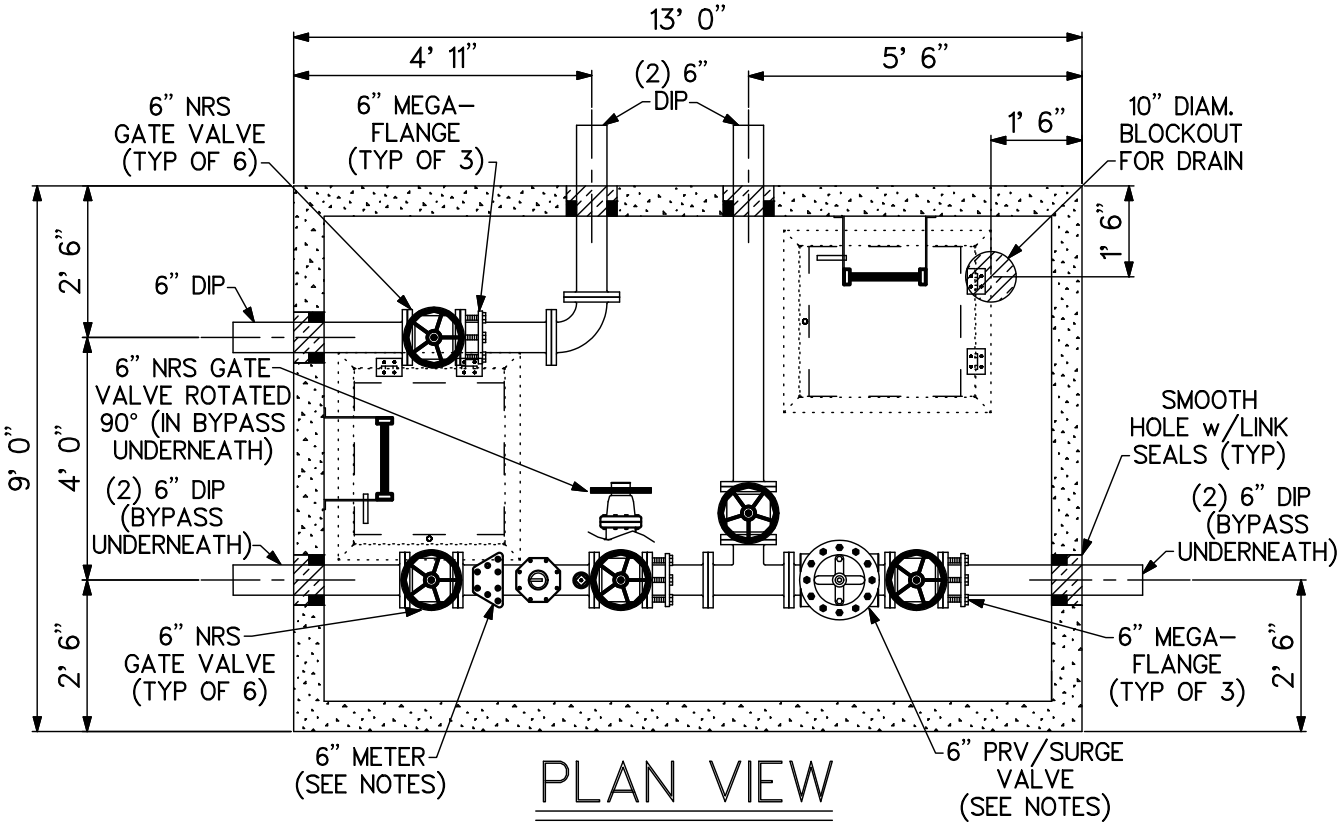
NOTES:

1. CLEAR FLOW VAULT SHIPPED ASSEMBLED WEIGHING APPROXIMATELY 63,000 LBS.
2. HATCH LIMIT SWITCH OPERATES LIGHT & EXHAUST FAN

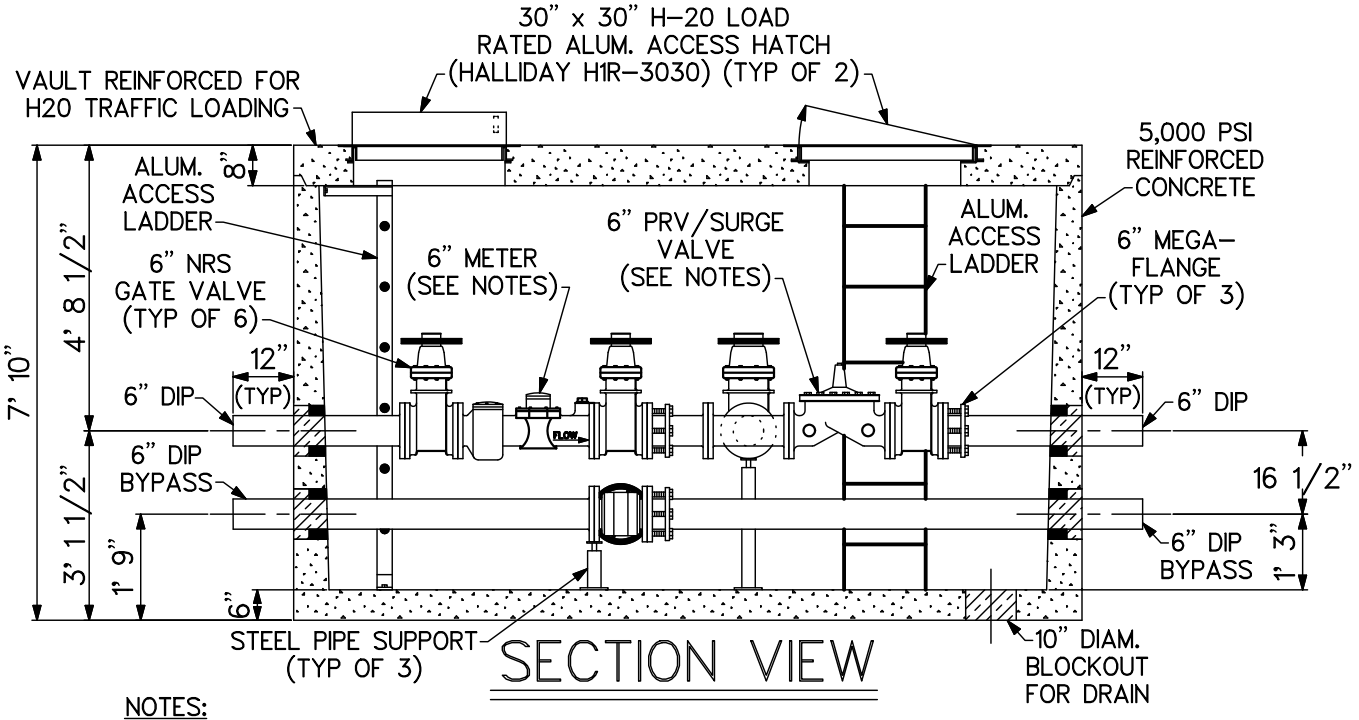
CLEAR FLOW
BY CP&P
CONCRETE PIPE & PRECAST, LLC
(800) 648 - 2678

SCALE: NONE	DATE: 9/18/08	DWG: ALTITUDEVV12-10FTDIAMETER

12" ALTITUDE VALVE VAULT



PLAN VIEW



SECTION VIEW

NOTES:

1. CLEAR FLOW VAULT SHIPPED IN SECTIONS TO BE ASSEMBLED BY THE CONTRACTOR. HEAVIEST LIFT WEIGHING APPROXIMATELY 40,000 LBS.
2. 6" CLA-VAL 94-01 PRESSURE REDUCING VALVE AND SURGE CONTROL VALVE
3. 6" SENSUS OMNI T2 METER WITH STRAINER

DESIGN		
DRAWN	VITALIY S. KIRILYUK	
REVISIONS		DATE

CLEAR FLOW BY CP&P
CONCRETE PIPE & PRECAST, LLC
210 STONE SPRING ROAD
HARRISONBURG, VA 22801
(540) 434 - 6979

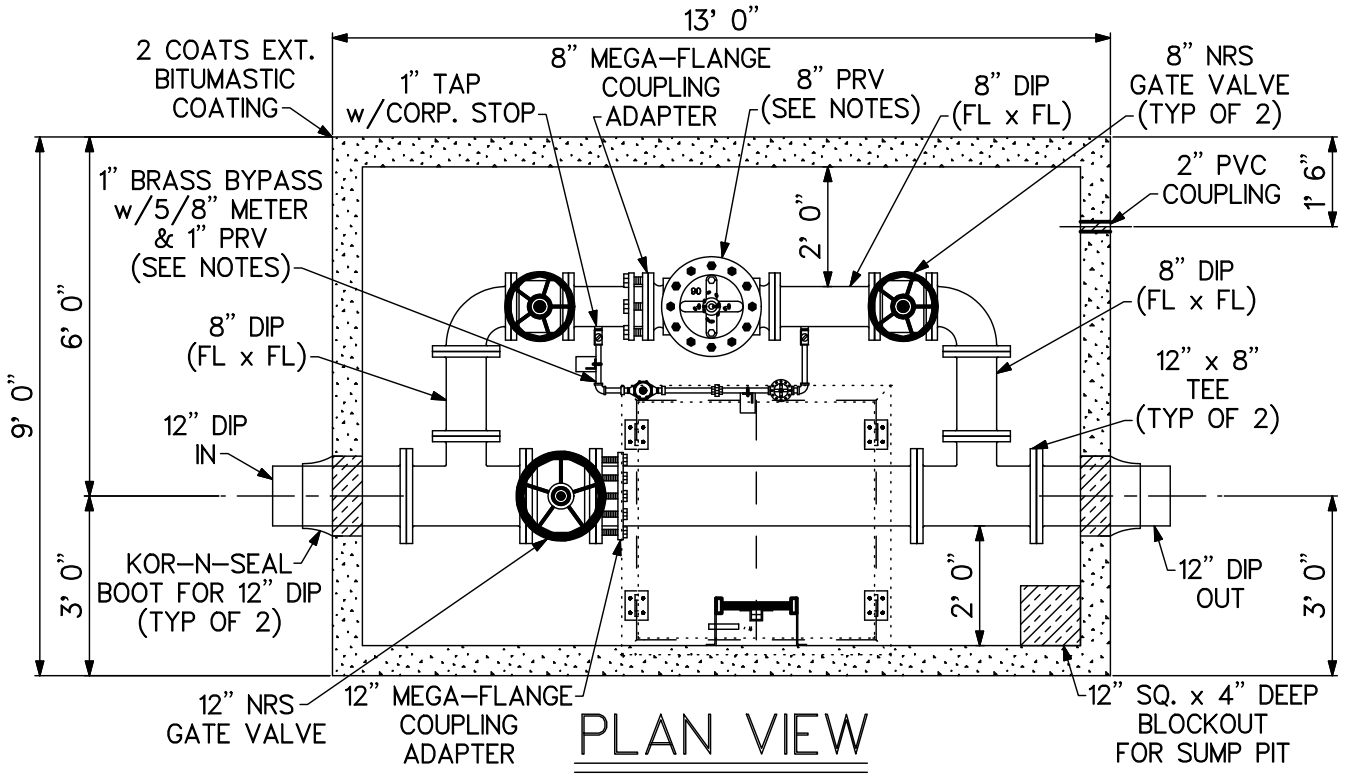
ROCKBRIDGE COUNTY, VIRGINIA

6" UTILITY VAULT w/6" BYPASS

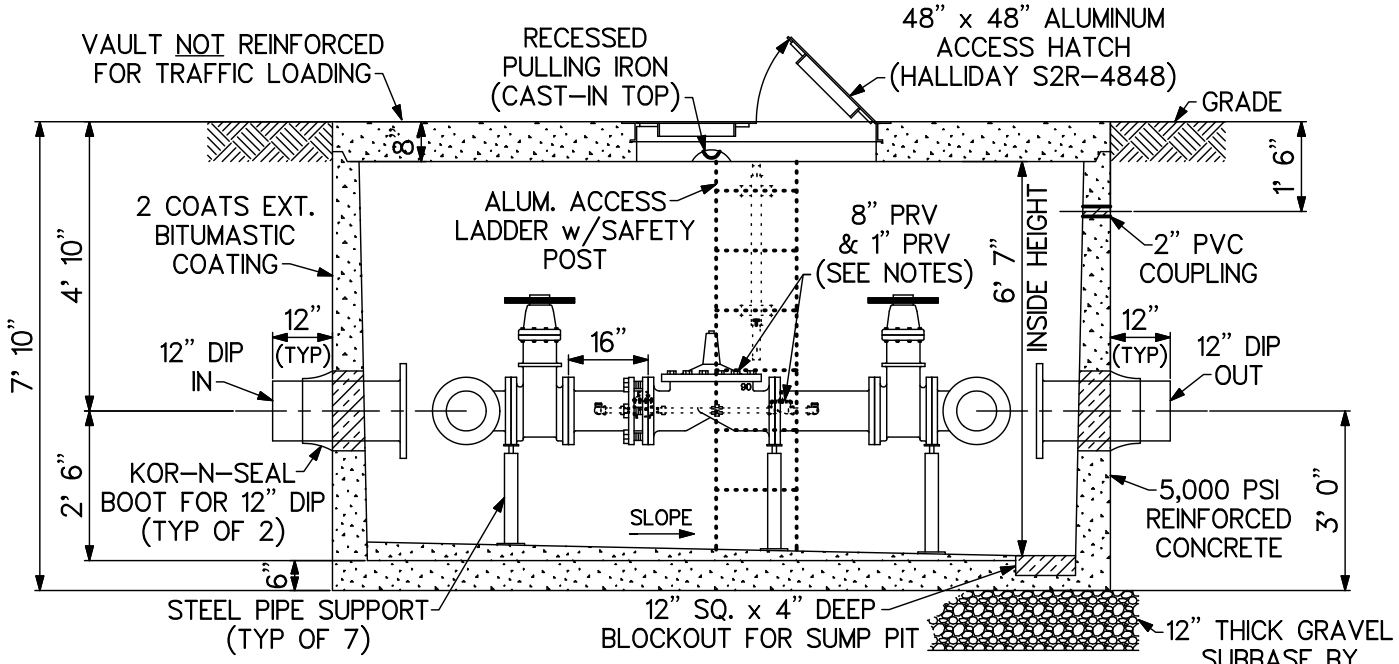
* PRINTOUT NOT TO ANY SCALE *

REF. NO.

SPECTRUM DESIGN, PC



PLAN VIEW



SECTION VIEW

NOTES:

1. CLEAR FLOW VAULT SHIPPED ASSEMBLED WEIGHING APPROXIMATELY 53,000 LBS.
2. 8" CLA-VAL MODEL 90-20 PRESSURE REDUCING VALVE
3. 1" CLA-VAL MODEL 90 PRESSURE REDUCING VALVE (LOCATED IN 1" BYPASS)
4. 5/8" METER PROVIDED BY PWCSA (LOCATED IN 1" BYPASS)

DESIGN		
DRAWN	VITALIY S. KIRILYUK	
REVISIONS		DATE
SUMP PIT; SLOPED FLOOR; NRS GV's; PIPE ELEV.;		
2' MIN. CLR. TO WALL; HATCH LOCATION		7/3/18
BOOTS; SUMP LOCATION; 5/8" METER; GRADE &		
GRAVEL NOTES; 12" MEGAFLANGE; PULLING IRON;		
EXT. COATING; FLxFL NOTES; SAFETY POST		8/15/18

* PRINTOUT NOT TO ANY SCALE *

CLEAR FLOW BY CP&P
CONCRETE PIPE & PRECAST, LLC
210 STONE SPRING ROAD
HARRISONBURG, VA 22801
(540) 434 - 6979

REF. NO.

PRINCE WILLIAM CO., VIRGINIA

PRINCE WILLIAM COUNTY SERVICE AUTHORITY

8" PRV w/12" BYPASS

PWCSA