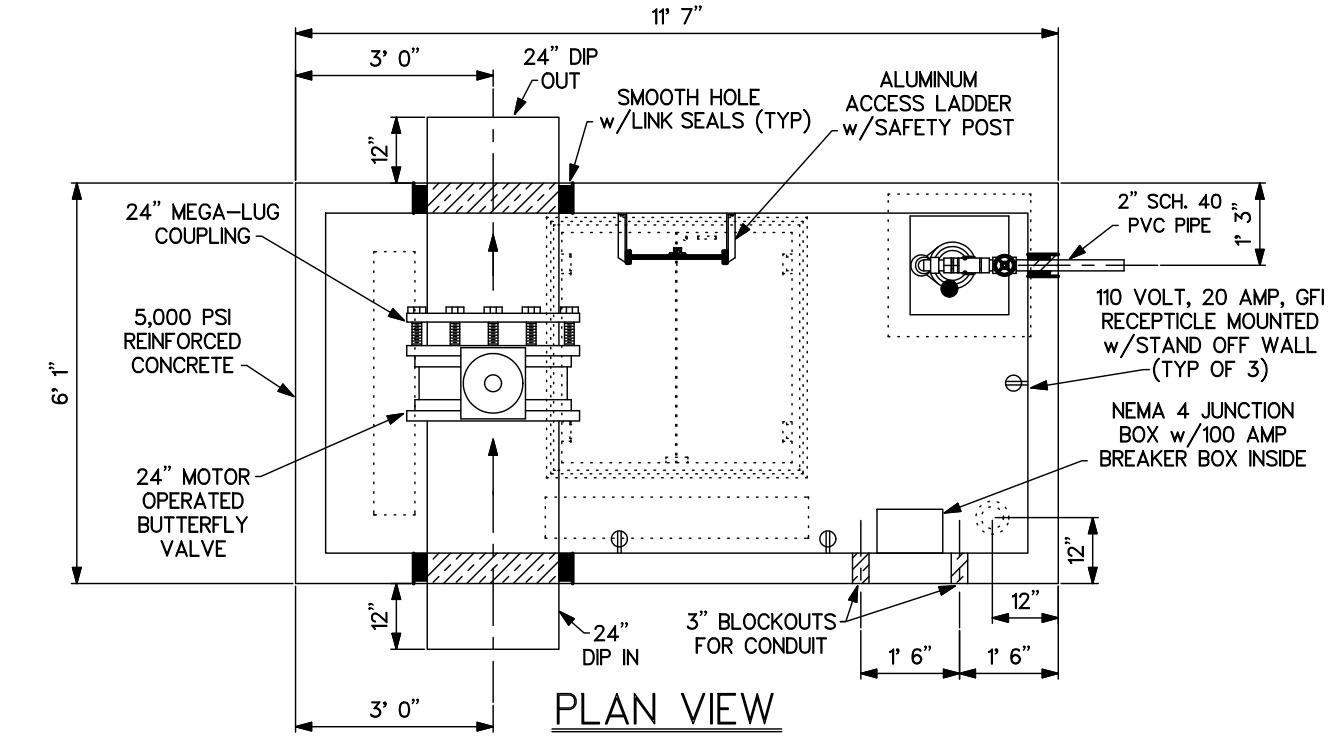
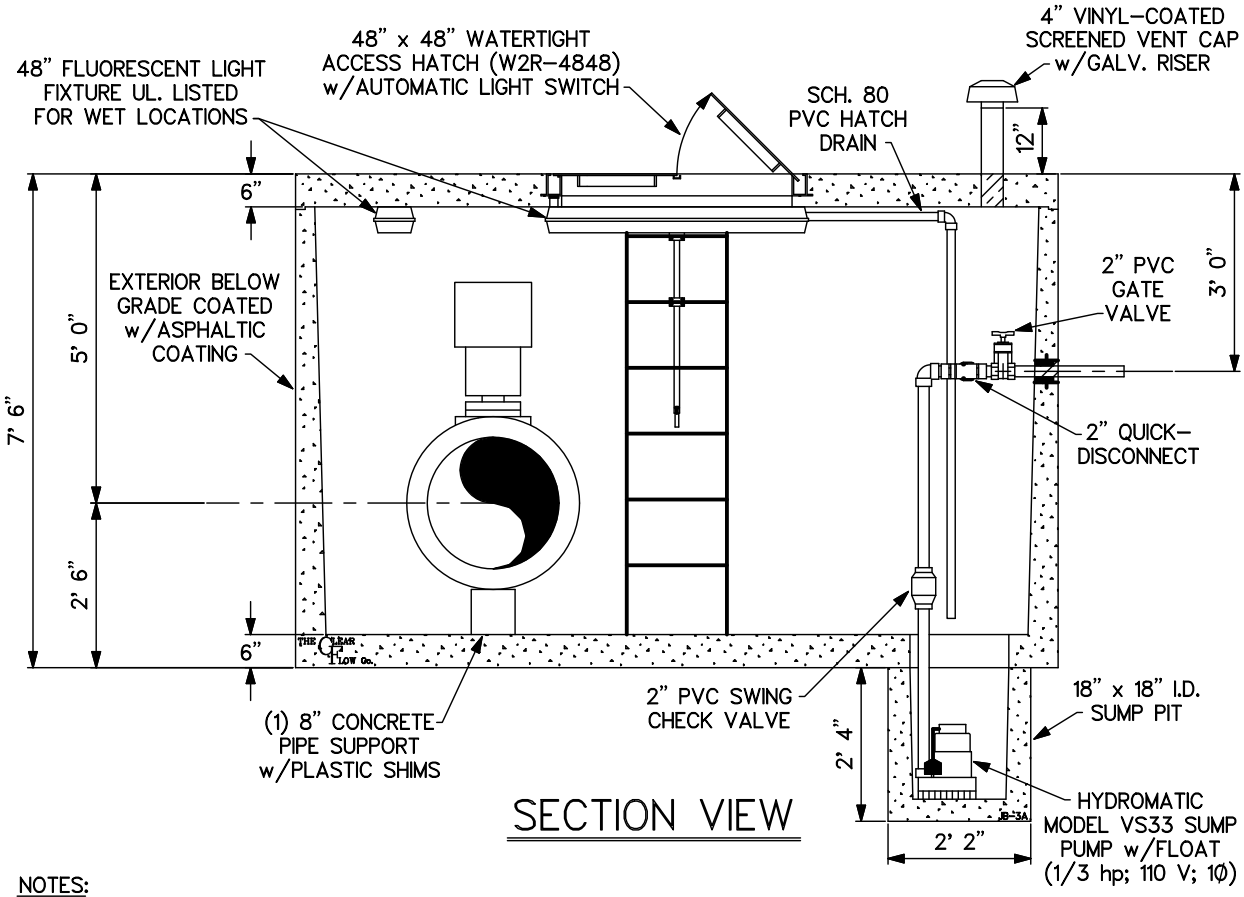


PLAN VIEW



SECTION VIEW

NOTES:

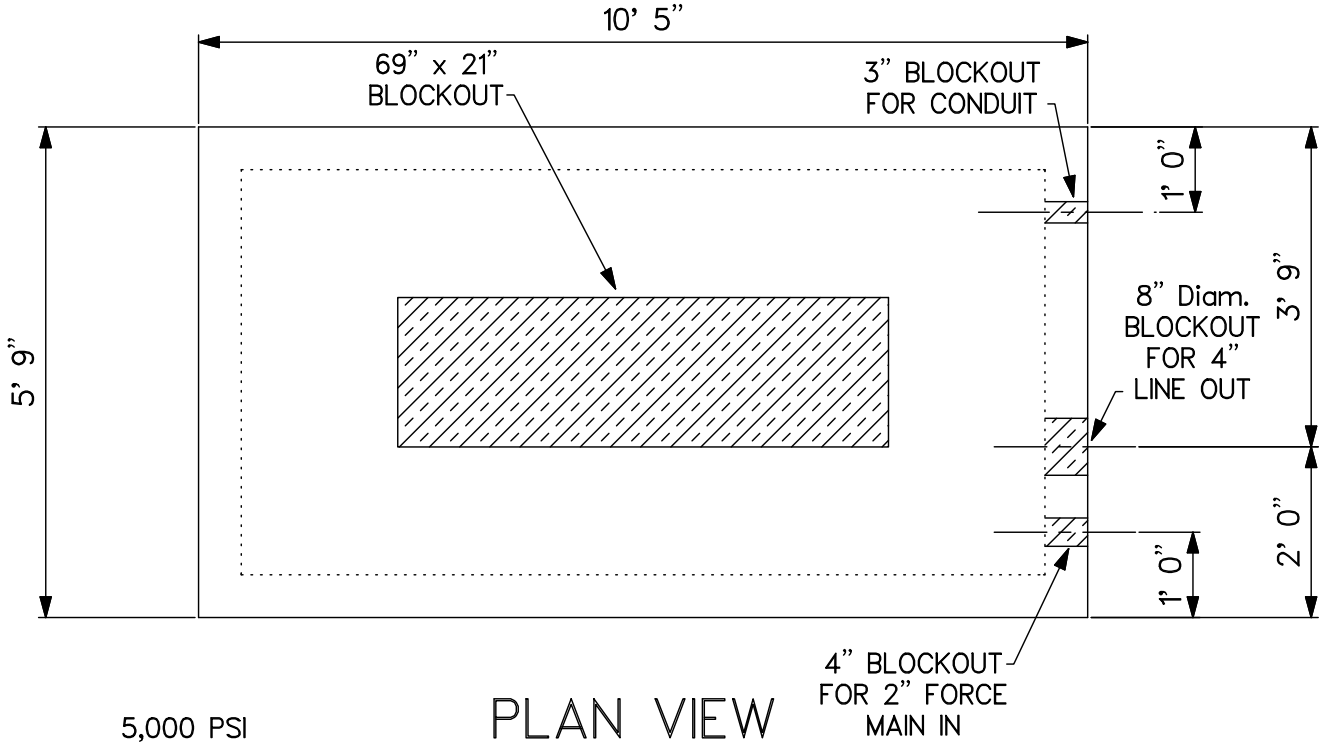
1. CLEAR FLOW VAULT SHIPPED ASSEMBLED WEIGHING APPROXIMATELY 28,000 LBS.
2. 24" PRATT MOTOR-ACTUATED BUTTERFLY VALVE
3. HIGH LEVEL FLOAT SWITCH (N.O.) PROVIDED w/CONDUIT TO RTU CONTROLS BY OTHERS
4. ALL RTU & COMMUNICATION CONTROLS & CONNECTIONS BY OTHERS

P-926-S

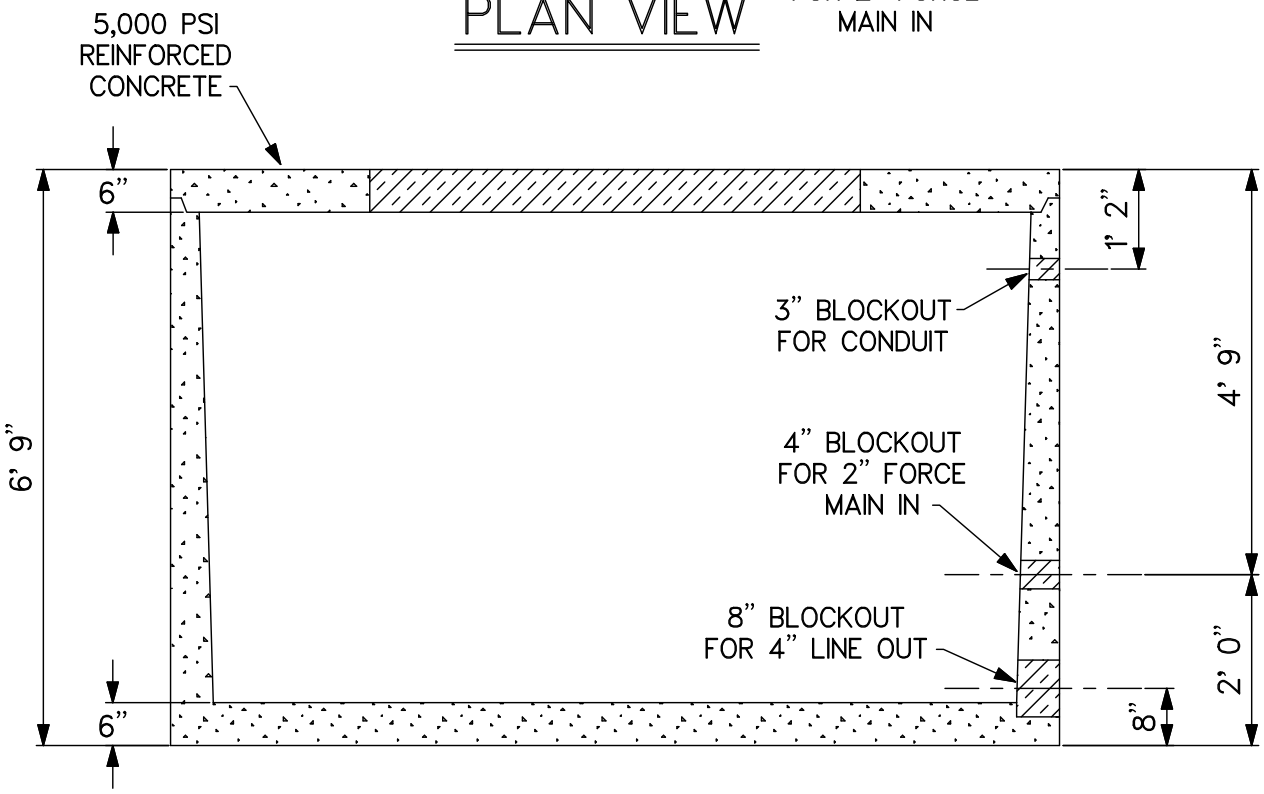
CLEAR FLOW
BY CP&P
CONCRETE PIPE & PRECAST, LLC
(800) 648 - 2678

SCALE: NONE	DATE: 7/09/98	DWG: BUTTERFLY24-TJ2500

24" MOTOR-ACTUATED BUTTERFLY VALVE VAULT



PLAN VIEW



SECTION VIEW

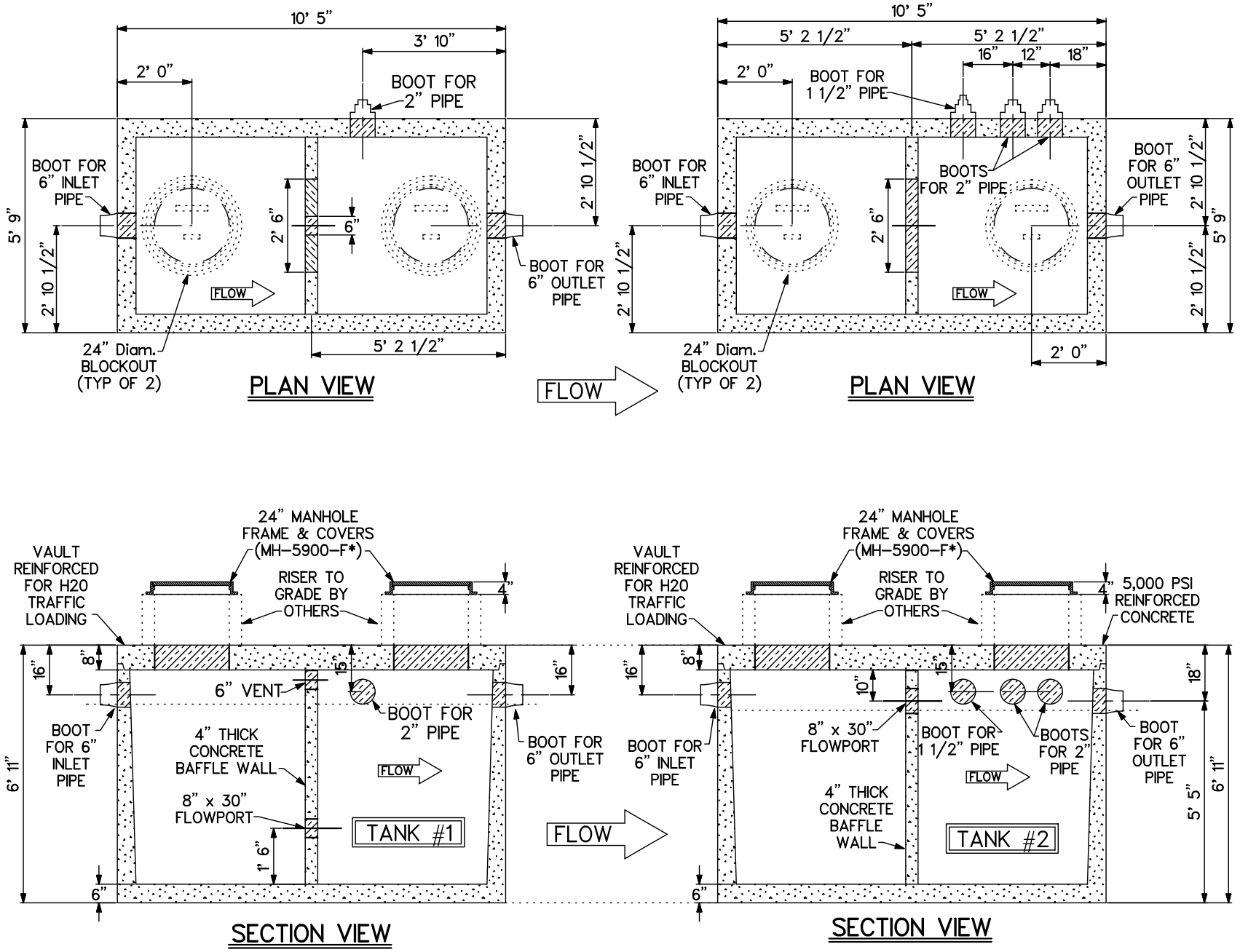
NOTES:

1. VAULT SHIPPED IN TWO PIECES TO BE ASSEMBLED BY THE CONTRACTOR
2. HEAVIEST LIFT APPROXIMATELY 17,000 LBS.
3. TANK NOT TRAFFIC RATED

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

SCALE: NONE	DATE: 2005	DWG: SAND FILTER–TJ1600

1,600 GALLON TOP–JOINT SAND FILTER TANK



NOTES:

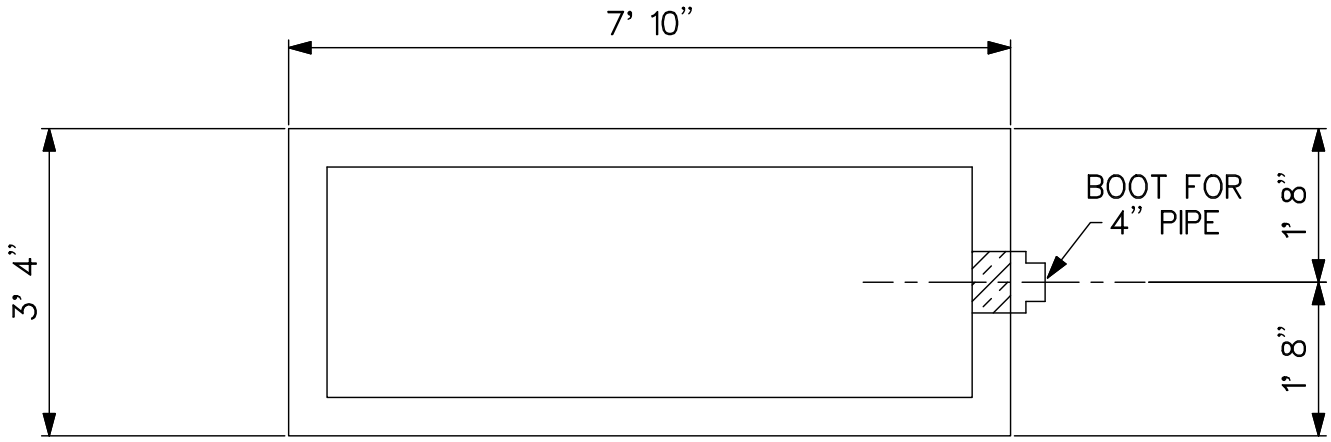
1. VAULTS SHIPPED ASSEMBLED WEIGHING APPROXIMATELY 25,000 LBS. EACH WITH MANHOLE FRAMES & COVERS SHIPPED LOOSE FOR INSTALLATION BY THE CONTRACTOR. GRADE RINGS BY OTHERS UNLESS ORDERED PRIOR TO SHIPMENT OF TANKS
3. PIPING NOT INCLUDED

SCALE: NONE | DATE: 8/3/10 | DWG: CAR WASH RECLAIM TANKS

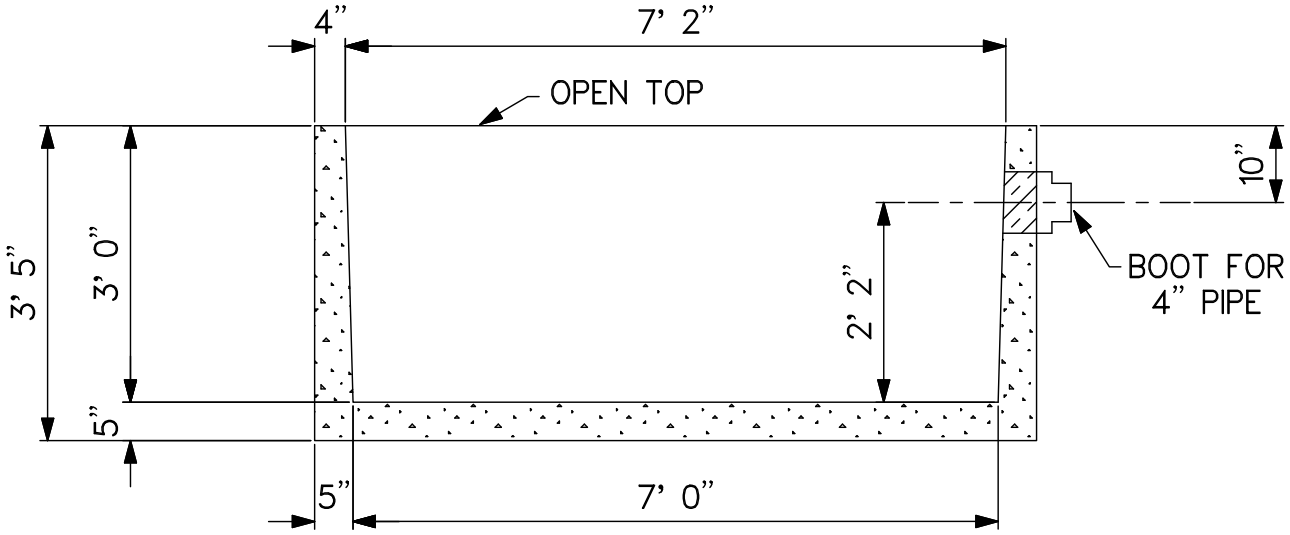
CAR WASH 1,500 GALLON RECLAIM TANKS

CLEAR FLOW BY CP&P

CONCRETE PIPE & PRECAST, LLC
(800) 648 - 2678



PLAN VIEW



SECTION VIEW

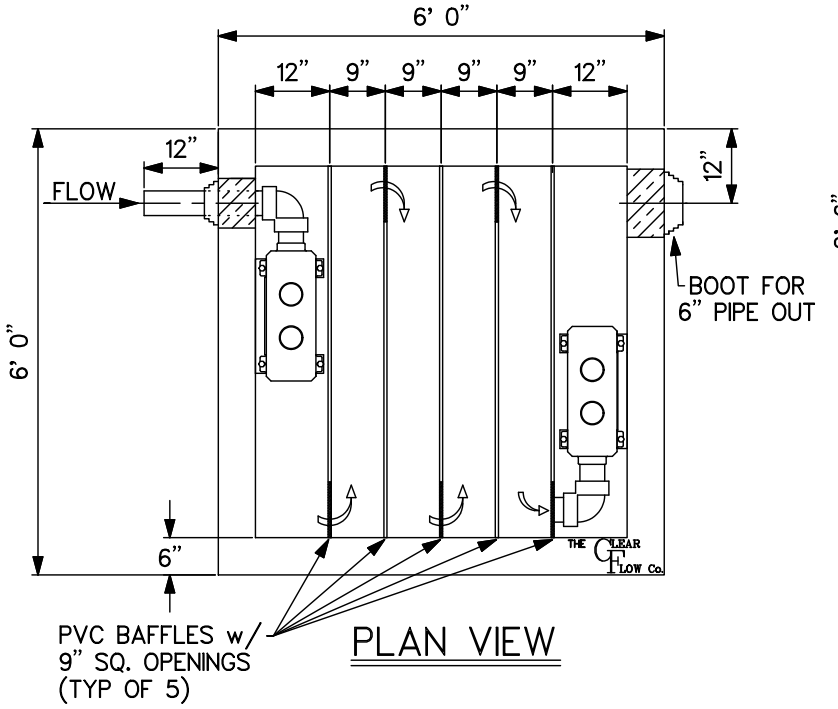
NOTES:

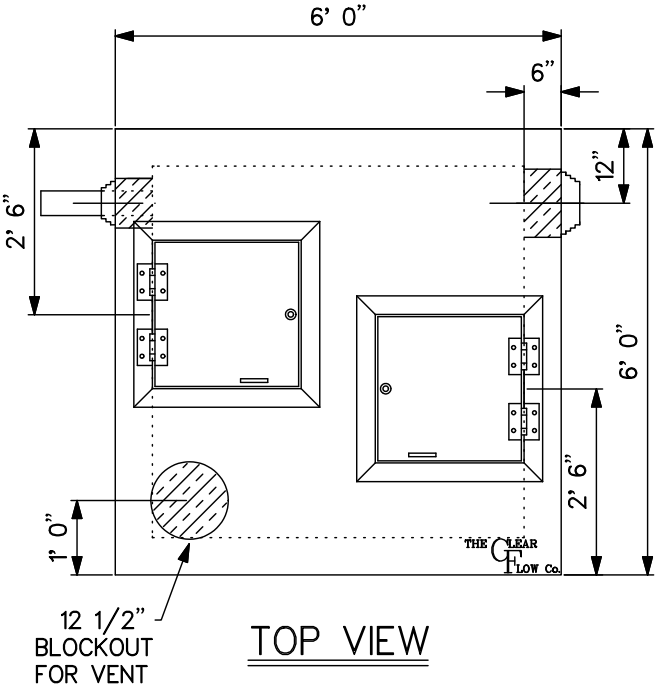
1. CLEAR FLOW CATCH BASIN SHIPPED IN ONE PIECE WEIGHING APPROXIMATELY 6,000 LBS.

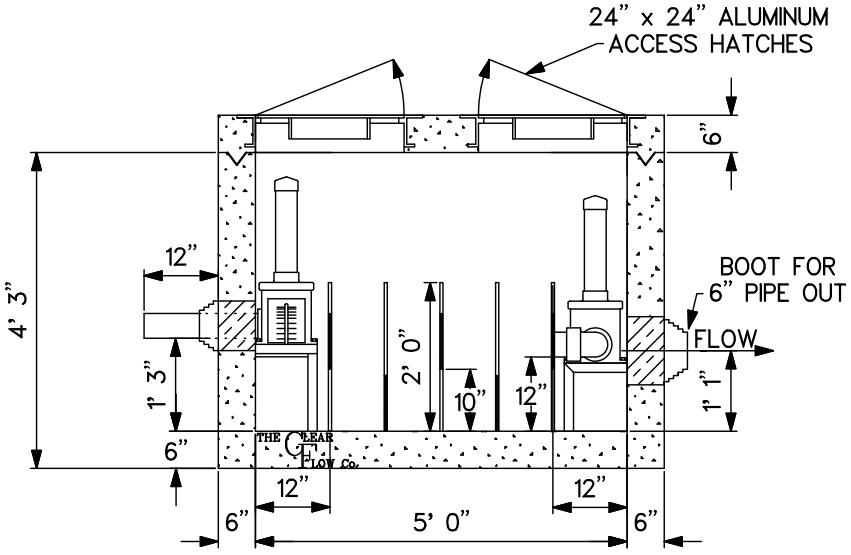
CLEAR FLOW
BY CP&P
CONCRETE PIPE & PRECAST, LLC
(800) 648 – 2678

SCALE: NONE	DATE: 2006	DWG: CAR WASH BASIN

OPEN TOP
CAR WASH BASIN







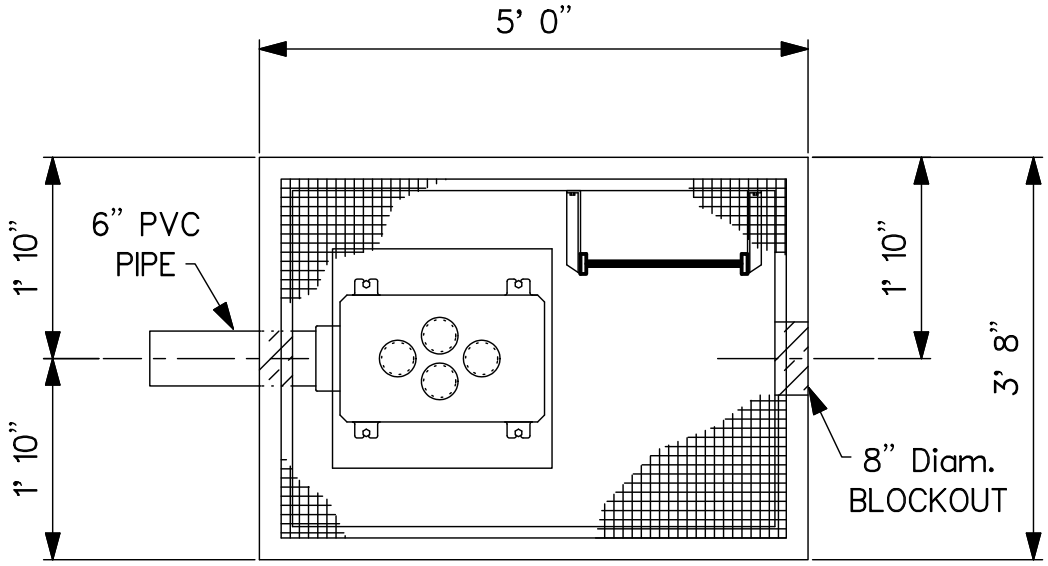
NOTES:

1. VAULT SHIPPED ASSEMBLED WEIGHING APPROXIMATELY 15,000 LBS.
2. CHLORINATOR & DECHLORINATOR ARE SANURIL MODEL 100
3. CONTRACTOR AND/OR ENGINEER TO VERIFY ALL DIMENSIONS

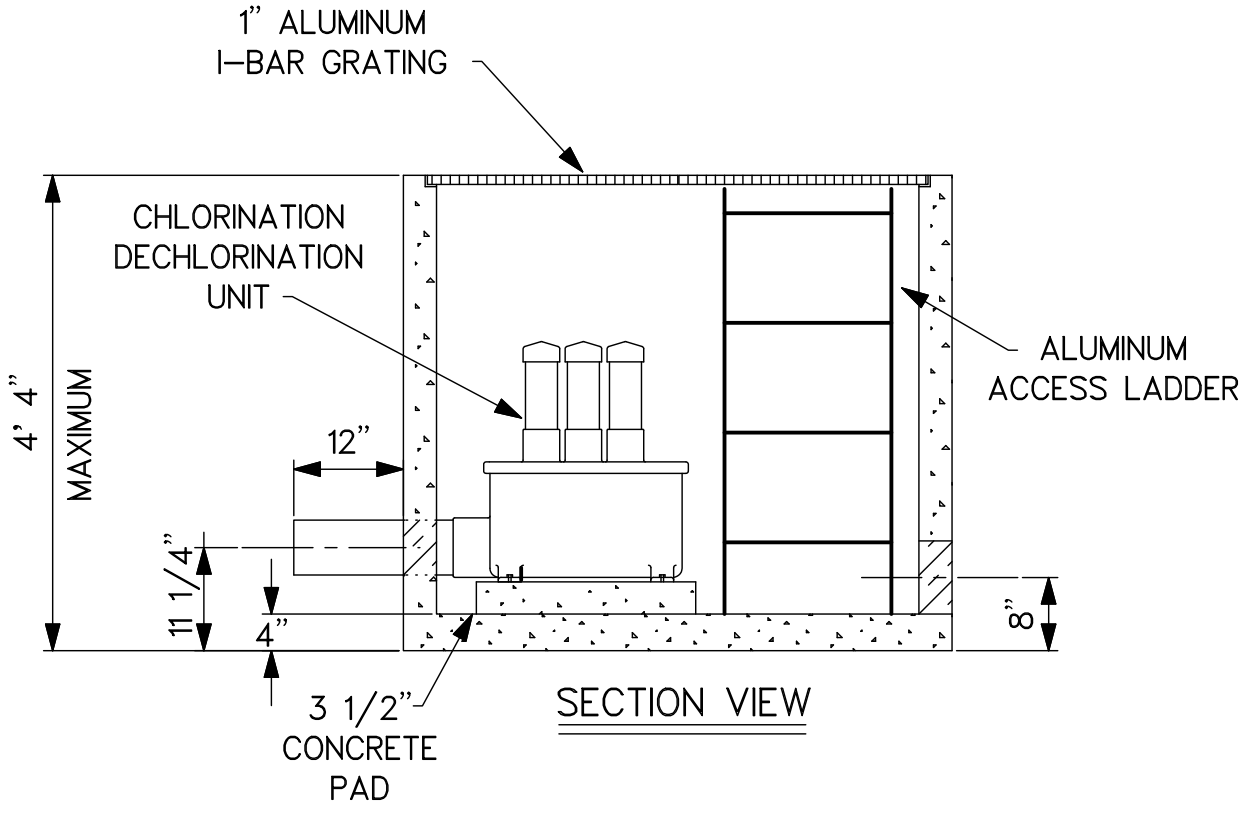
CLEAR FLOW
BY CP&P
CONCRETE PIPE & PRECAST, LLC
(800) 648 – 2678

SCALE: NONE	DATE: 7/08/98	DWG: CHLOR/DECHLOR-6060

CHLORINATION/DECHLORINATION VAULT



PLAN VIEW



SECTION VIEW

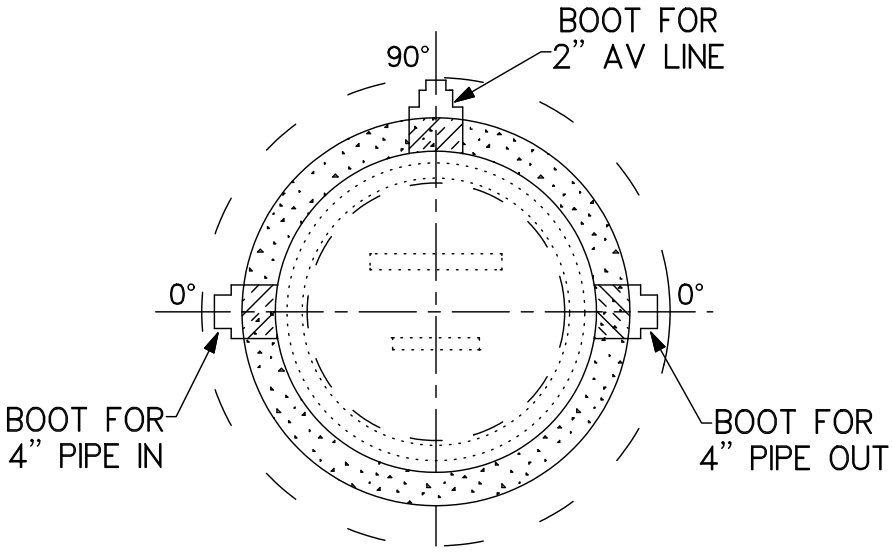
NOTES:

1. CLEAR FLOW TANK WEIGHS APPROXIMATELY 4,500 LBS.
2. SANURIL CHLORINATION\DECHLORINATION UNIT

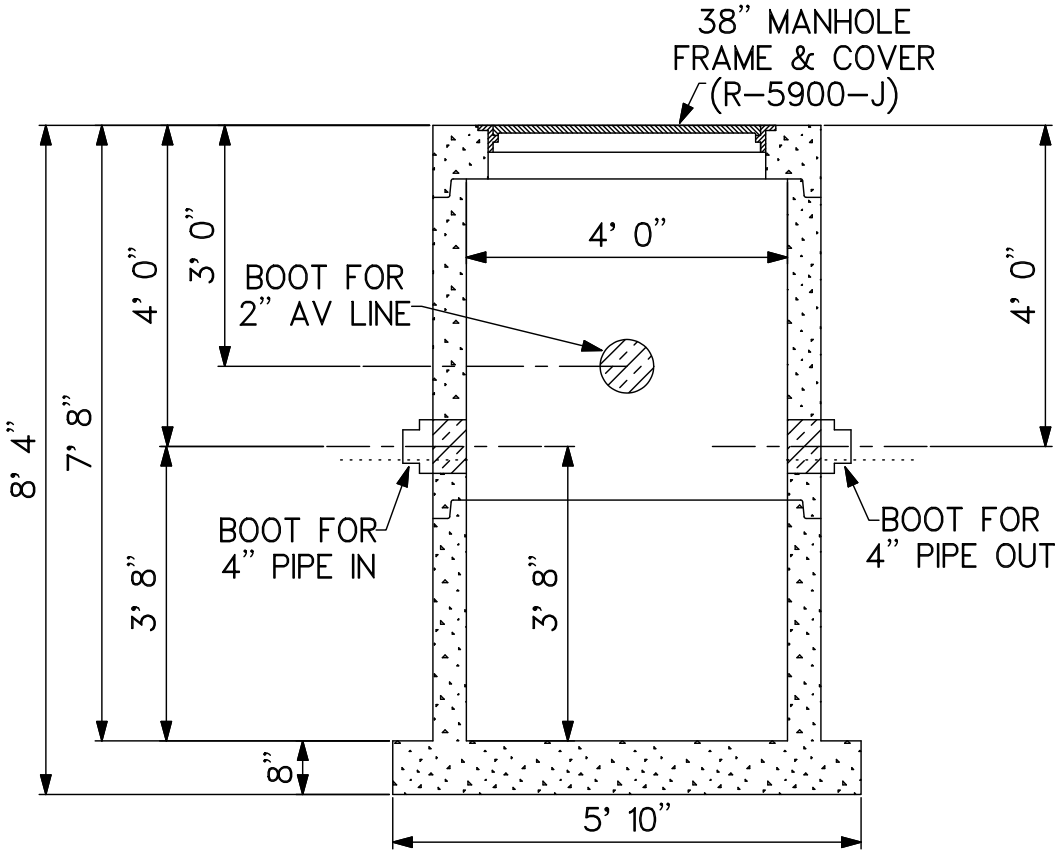
CLEAR FLOW
BY CP&P
CONCRETE PIPE & PRECAST, LLC
(800) 648 - 2678

SCALE: NONE	DATE: 7/10/98	DWG: CHLORINATOR-3652

3652 CHLORINATOR/ DECHLORINATOR VAULT



PLAN VIEW



SECTION VIEW

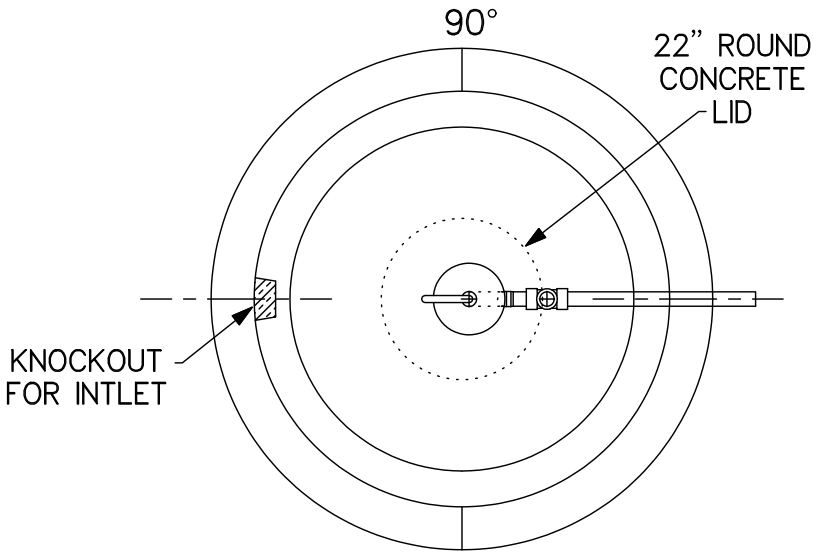
NOTES:

1. CLEAR FLOW VAULT SHIPPED ASSEMBLED WEIGHING APPROX.
2. ALL PIPING & NEUTRALIZATION EQUIPMENT BY OTHERS

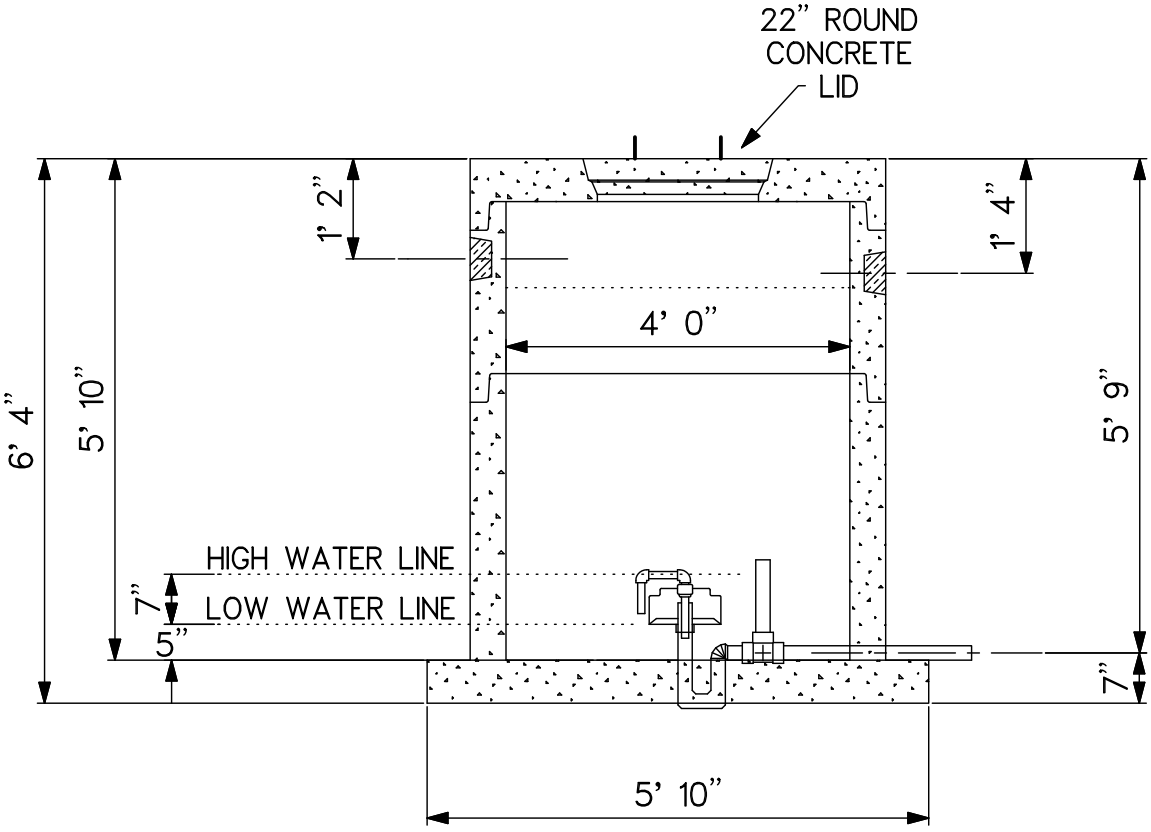
CLEAR FLOW
BY CP&P
CONCRETE PIPE & PRECAST, LLC
(800) 648 - 2678

SCALE: NONE	DATE:	DWG: 4-ACID NEUTRALIZATION SUMP

4' DIAMETER ACID NEUTRALIZATION SUMP



PLAN VIEW



SECTION VIEW

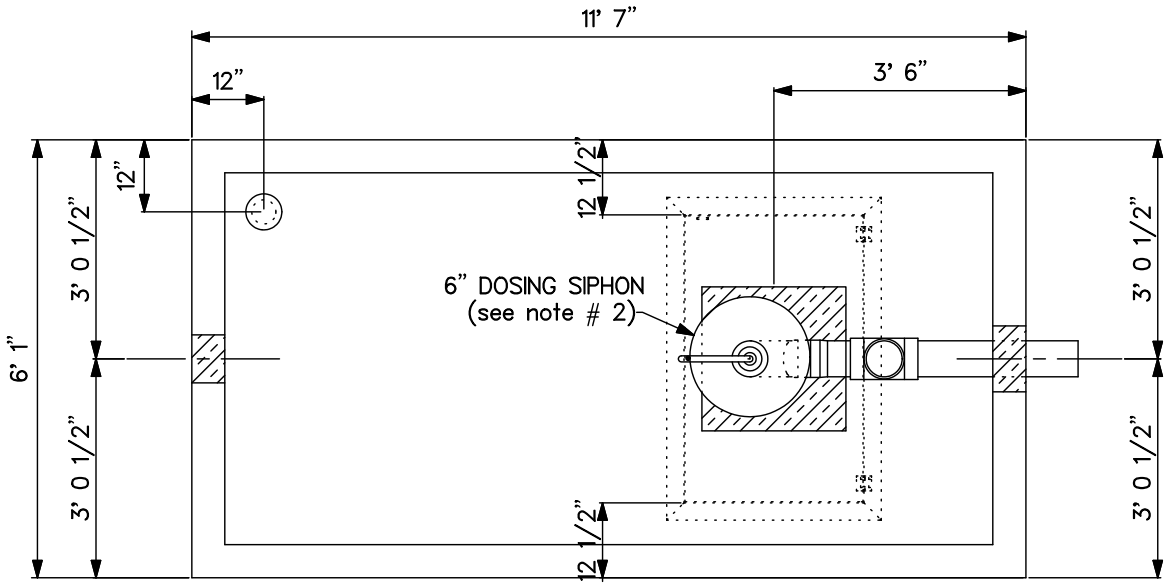
NOTES:

1. FLUID DYNAMICS MODEL 207 DOSING SIPHON SHIPPED LOOSE FOR INSTALLATION BY THE CONTRACTOR

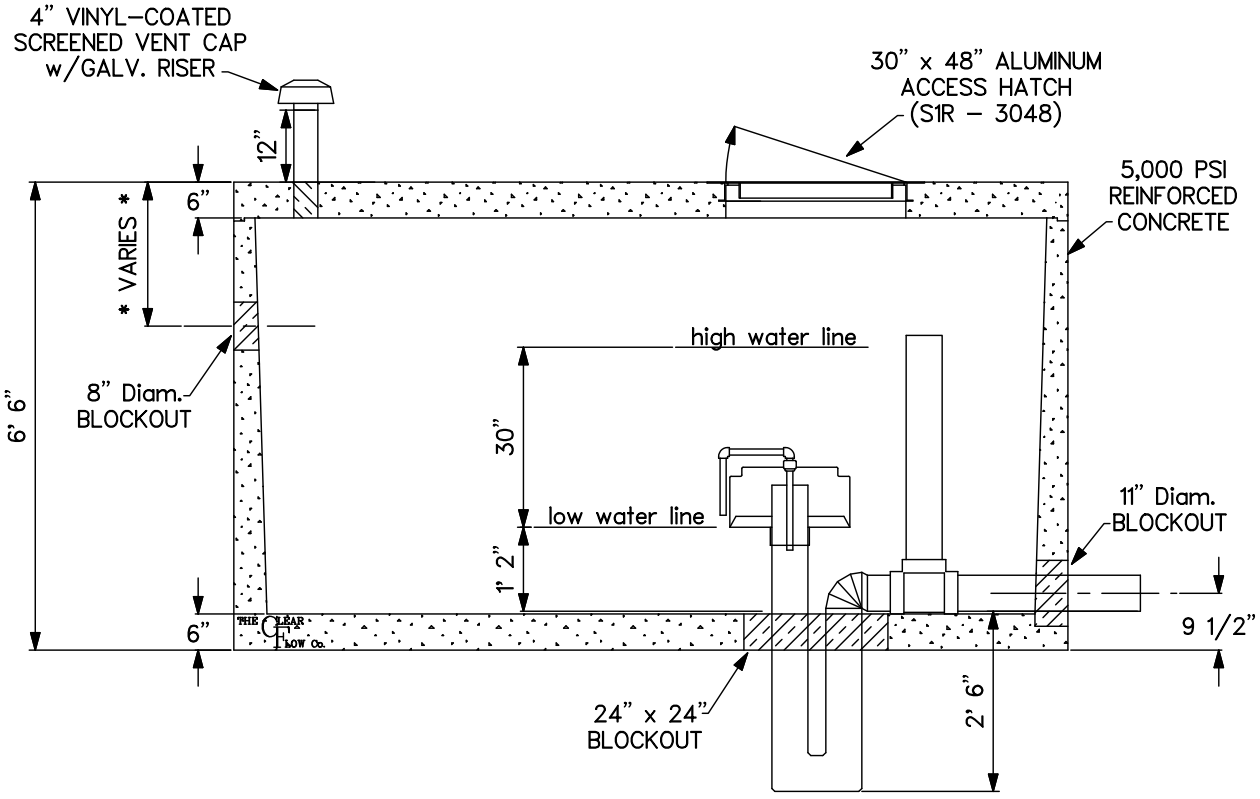
CLEAR FLOW
BY CP&P
CONCRETE PIPE & PRECAST, LLC
(800) 648 – 2678

SCALE: NONE	DATE: 2006	DWG: DOSING2-4ftDIAMETER

2" DOSING SIPHON IN 4 FT DIAMETER MANHOLE



PLAN VIEW



SECTION VIEW

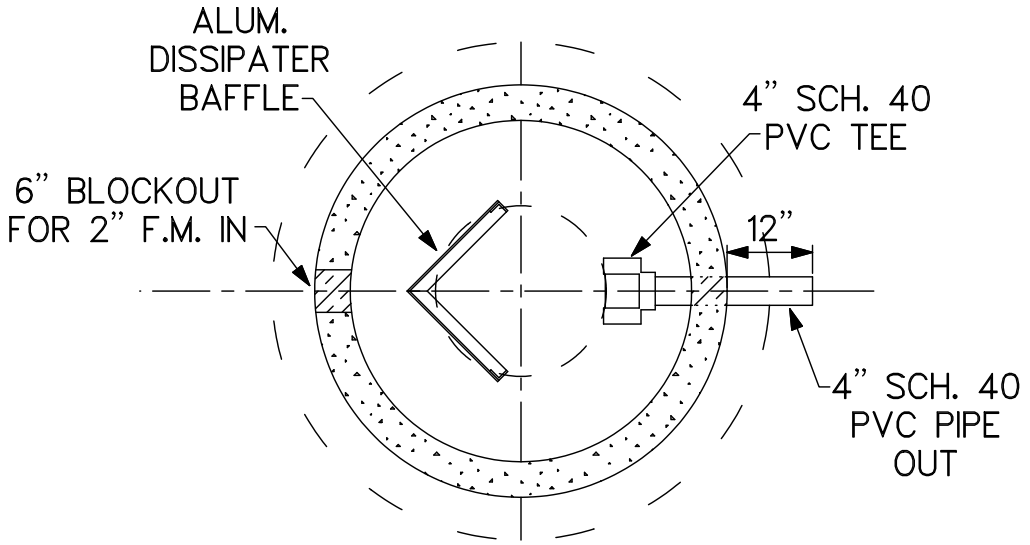
NOTES:

1. CLEAR FLOW VAULT SHIPPED ASSEMBLED WEIGHING APPROXIMATELY 23,000 LBS.
2. FLUID DYNAMICS MODEL 630 6" DOSING SIPHON SUPPLIED LOOSE FOR INSTALLATION BY CONTRACTOR
3. VAULT ALSO AVAILIBLE WITH H20 LOAD RATING

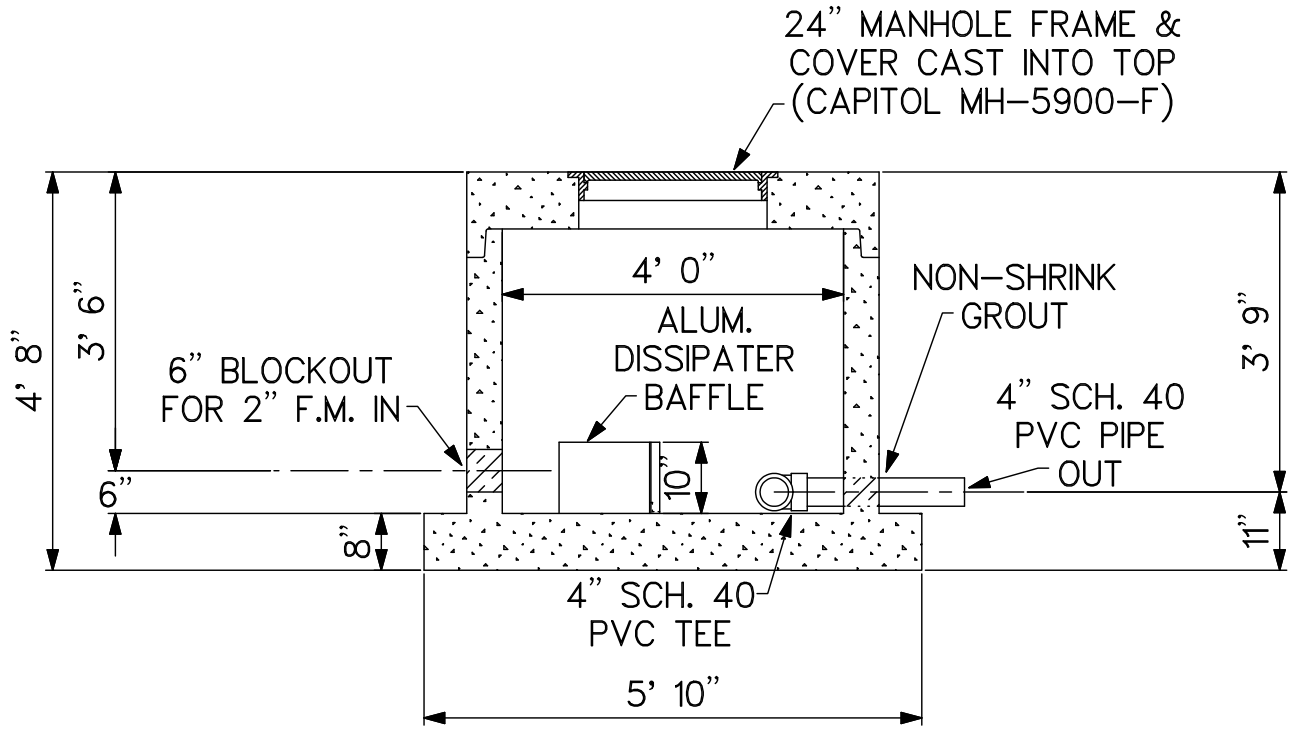
CLEAR FLOW
BY CP&P
CONCRETE PIPE & PRECAST, LLC
(800) 648 - 2678

SCALE: NONE	DATE: 7/08/98	DWG: DOSING6-TJ2000

6" DOSING SIPHON IN TJ-2000 GALLON VAULT



PLAN VIEW



SECTION VIEW

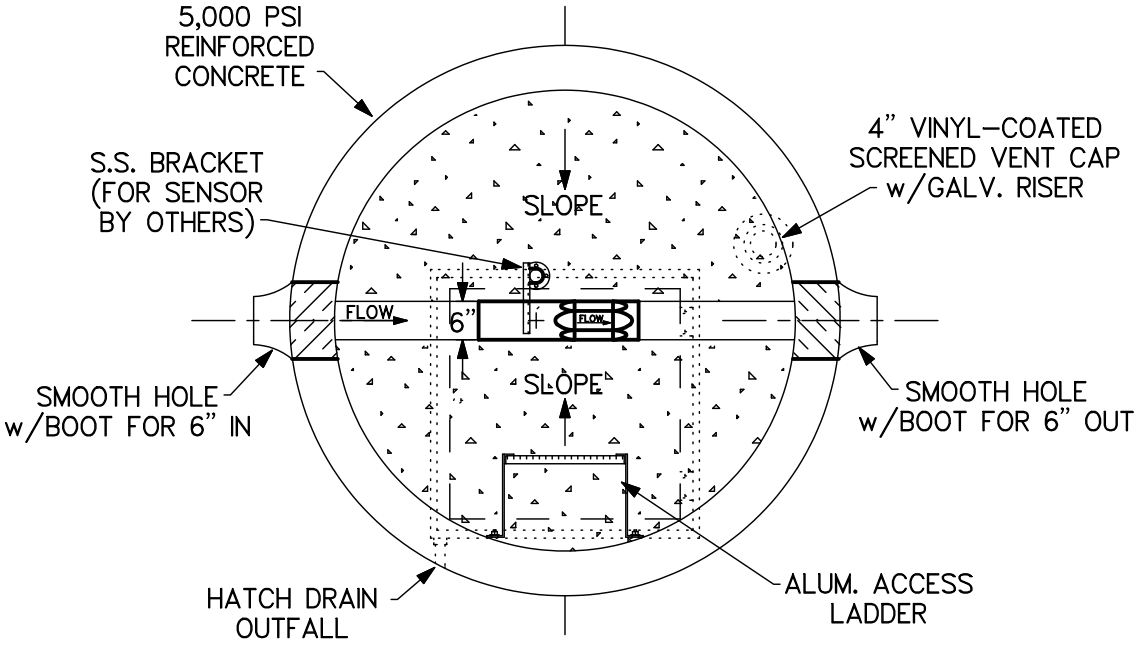
NOTES:

1. STRUCTURE SHIPPED ASSEMBLED.
2. INLET PIPING BY OTHERS

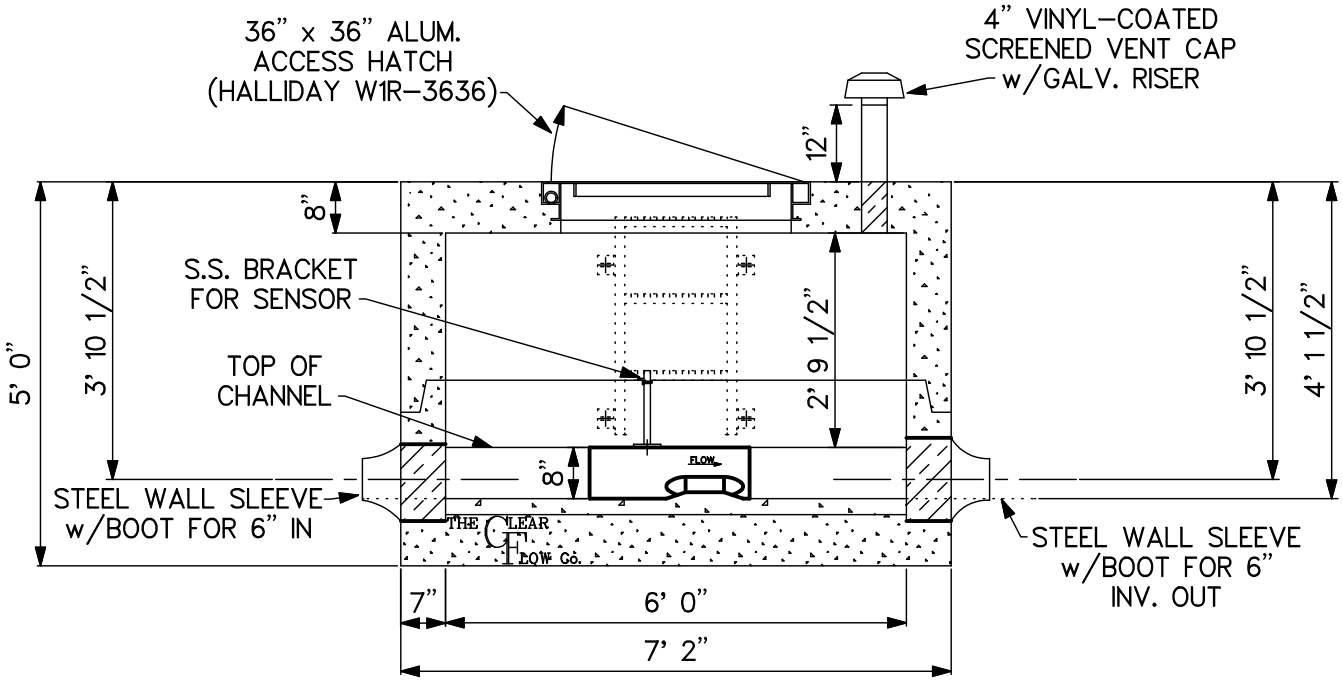
CLEAR FLOW
BY CP&P
CONCRETE PIPE & PRECAST, LLC
(800) 648 - 2678

SCALE: NONE	DATE:	DWG: FLOW DISSIPATER

FLOW DISSIPATER STRUCTURE



PLAN VIEW



SECTION VIEW

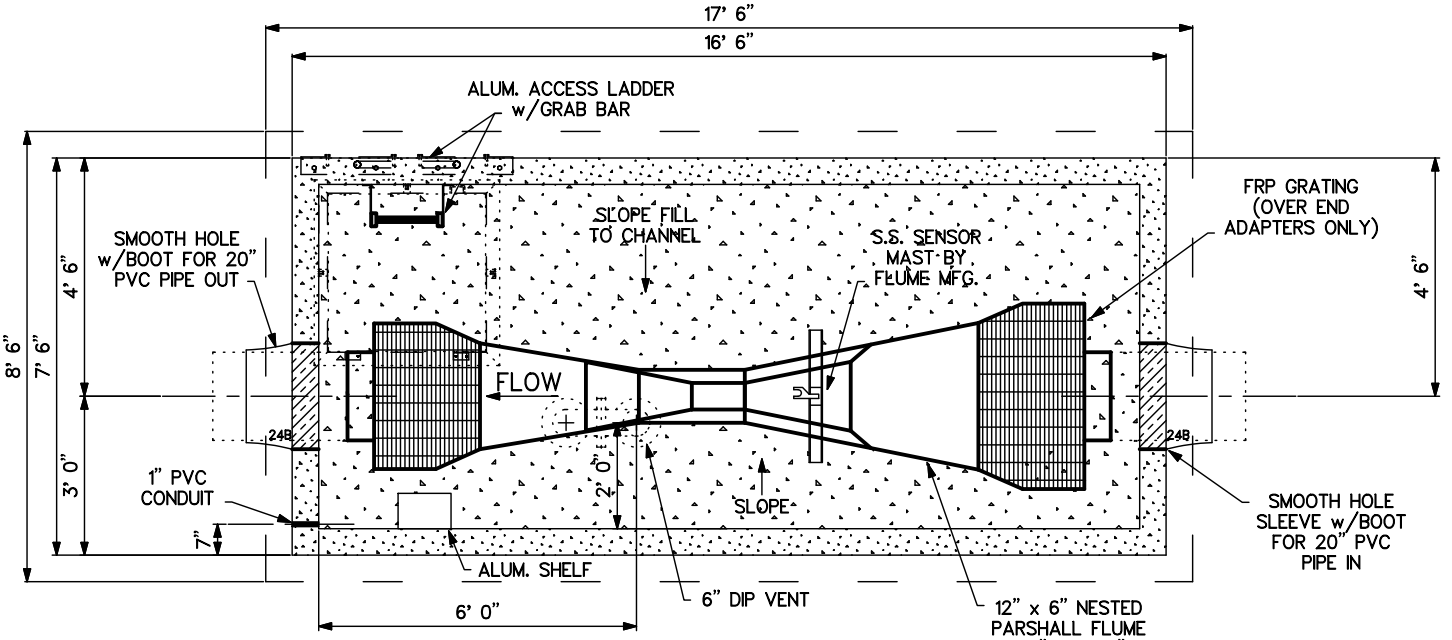
NOTES:

1. CLEAR FLOW VAULT SHIPPED ASSEMBLED WEIGHING APPROXIMATELY 22,000 LBS.
2. 6" PALMER-BOWLUS FLUME w/INTEGRAL APPROACH
3. FLOW SENSOR & WIRING BY OTHERS.

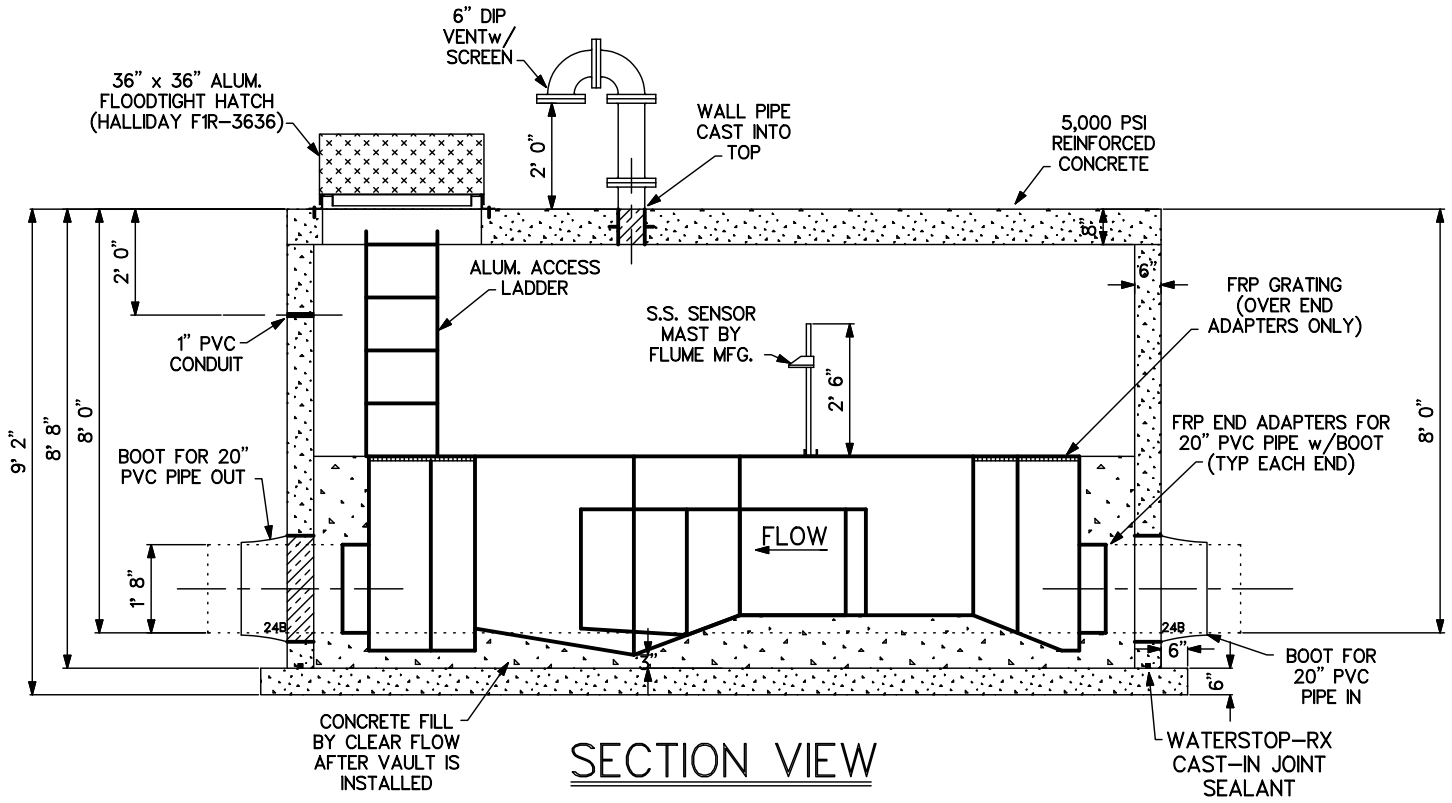
CLEAR FLOW
BY CP&P
CONCRETE PIPE & PRECAST, LLC
(800) 648 - 2678

SCALE: NONE	DATE: 2006	DWG: FLUME-6

6" PALMER-BOLUS
6' DIAMETER FLUME VAULT



PLAN VIEW



SECTION VIEW

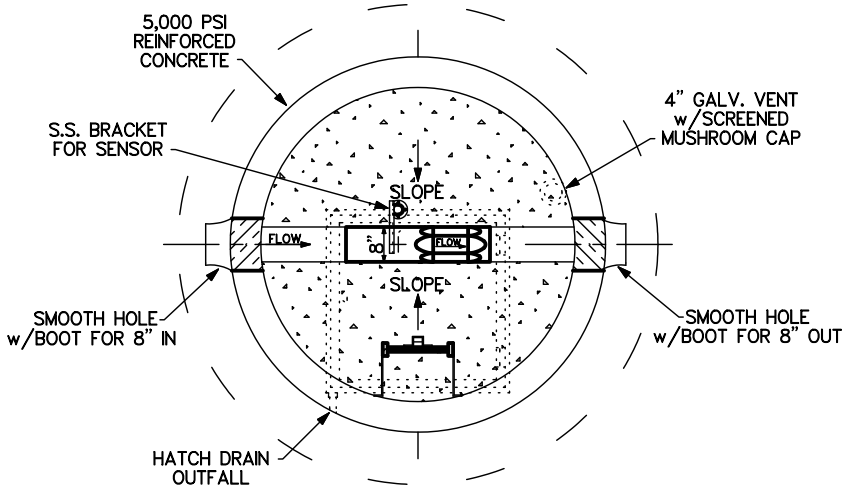
NOTES:

1. CLEAR FLOW VAULT SHIPPED IN SECTIONS TO BE ASSEMBLED BY THE CONTRACTOR. HEAVIEST LIFT APPROXIMATELY 42,000 LBS.
2. CLEAR FLOW TO POUR CONCRETE FILL AFTER VAULT IS SET AND APPROVED BY MUNICIPALITY. CONTRACTOR IS RESPONSIBLE FOR CRANE TO POUR FILL AND TO SET TOP LID. ALL AREAS UNDER & AROUND FLUME & INLET/OUTLET PIPING TO BE FILLED WITH CONCRETE UP TO FLOOR LEVEL. FLOOR SLOPED TO FLUME.
3. BOOTS PROVIDED TO ATTACH 20" PVC PIPE (21 1/2" O.D.) TO FRP FLUME END ADAPTERS AND PIPE TO VAULT AT WALL
4. OPEN CHANNEL FLOW METER w/ULTRASONIC SENSOR & CHART RECORDER PROVIDED LOOSE FOR INSTALLATION BY OTHERS.

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

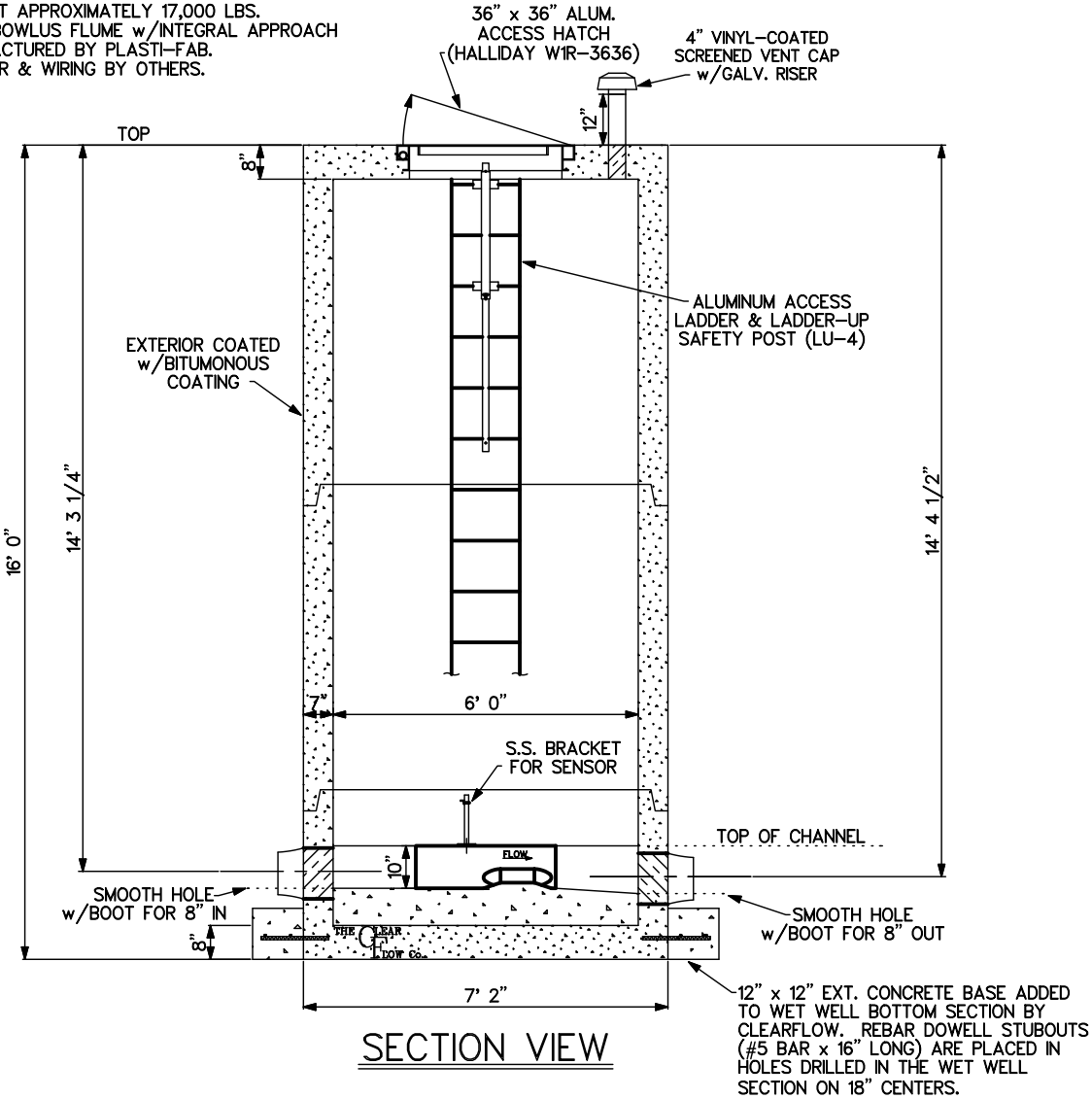
SCALE: NONE	DATE: 9/23/05	DWG: FLUME-6x12

6" x 12" NESTED PARSHALL FLUME VAULT



PLAN VIEW

NOTES:
1. CLEAR FLOW VAULT SHIPPED IN SECTIONS TO BE ASSEMBLED BY THE CONTRACTOR.
2. HEAVIEST LIFT APPROXIMATELY 17,000 LBS.
3. 8" PALMER-BOWLUS FLUME w/INTEGRAL APPROACH MANUFACTURED BY PLASTI-FAB.
4. FLOW SENSOR & WIRING BY OTHERS.

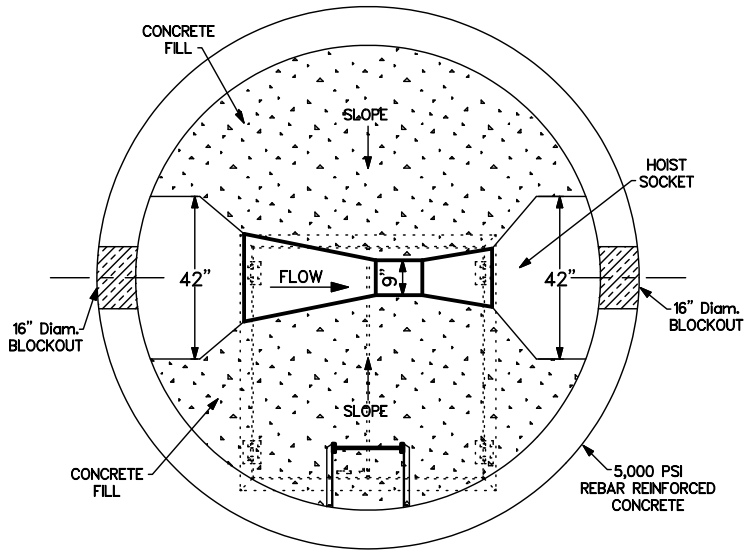


SECTION VIEW

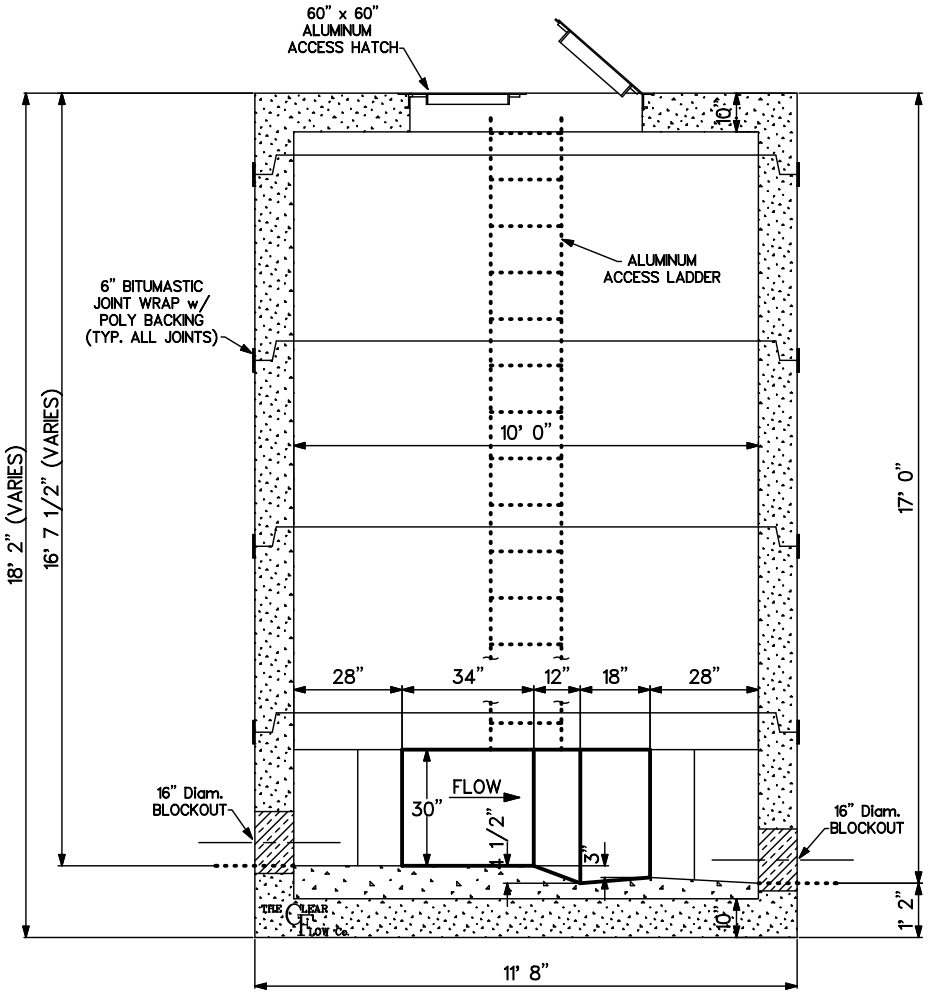
CLEAR FLOW
BY CP&P
CONCRETE PIPE & PRECAST, LLC
(800) 648 - 2678

SCALE: NONE	DATE: 2006	DWG: FLUME-8

8" PALMER-BOLUS FLUME VAULT (6 FT DIAMETER STRUCTURE)



PLAN VIEW



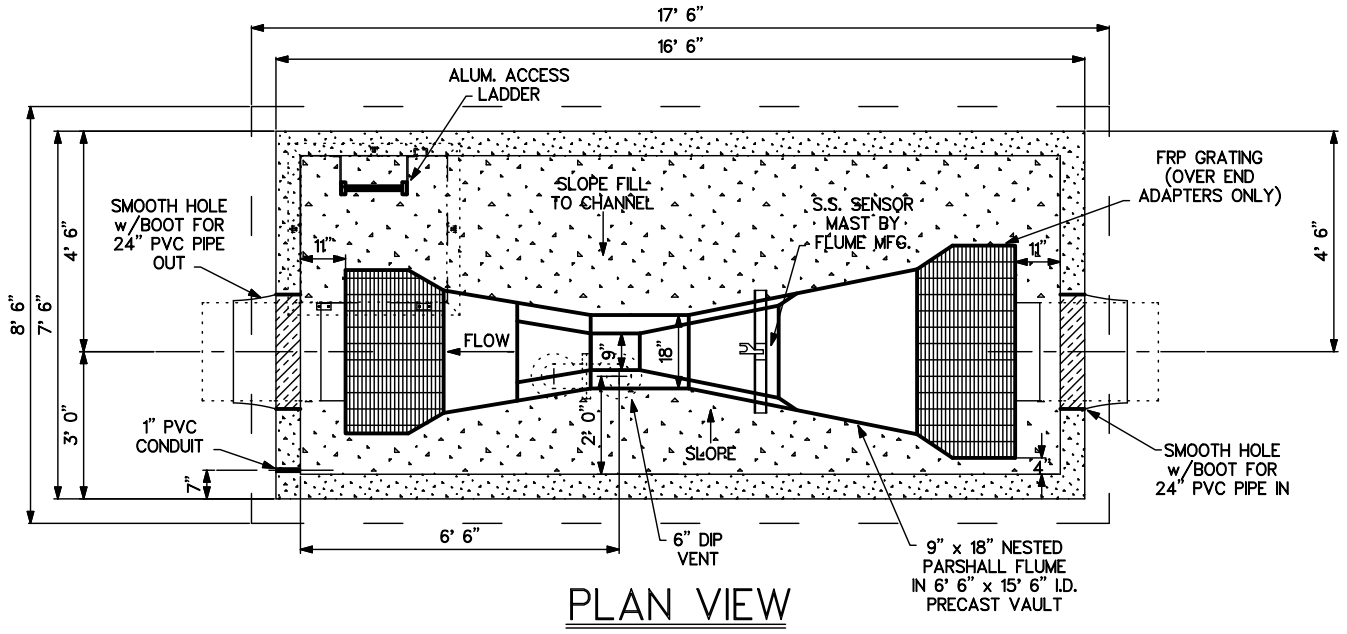
SECTION VIEW

NOTES:
1. CLEAR FLOW VAULT SHIPPED IN SECTIONS TO BE ASSEMBLED BY THE CONTRACTOR
2. HEAVIEST LIFT APPROXIMATELY 55,000 LBS.
3. 9" PARSHALL FLUME CAST INTO BOTTOM SECTION WITH FLOW CHANNELS

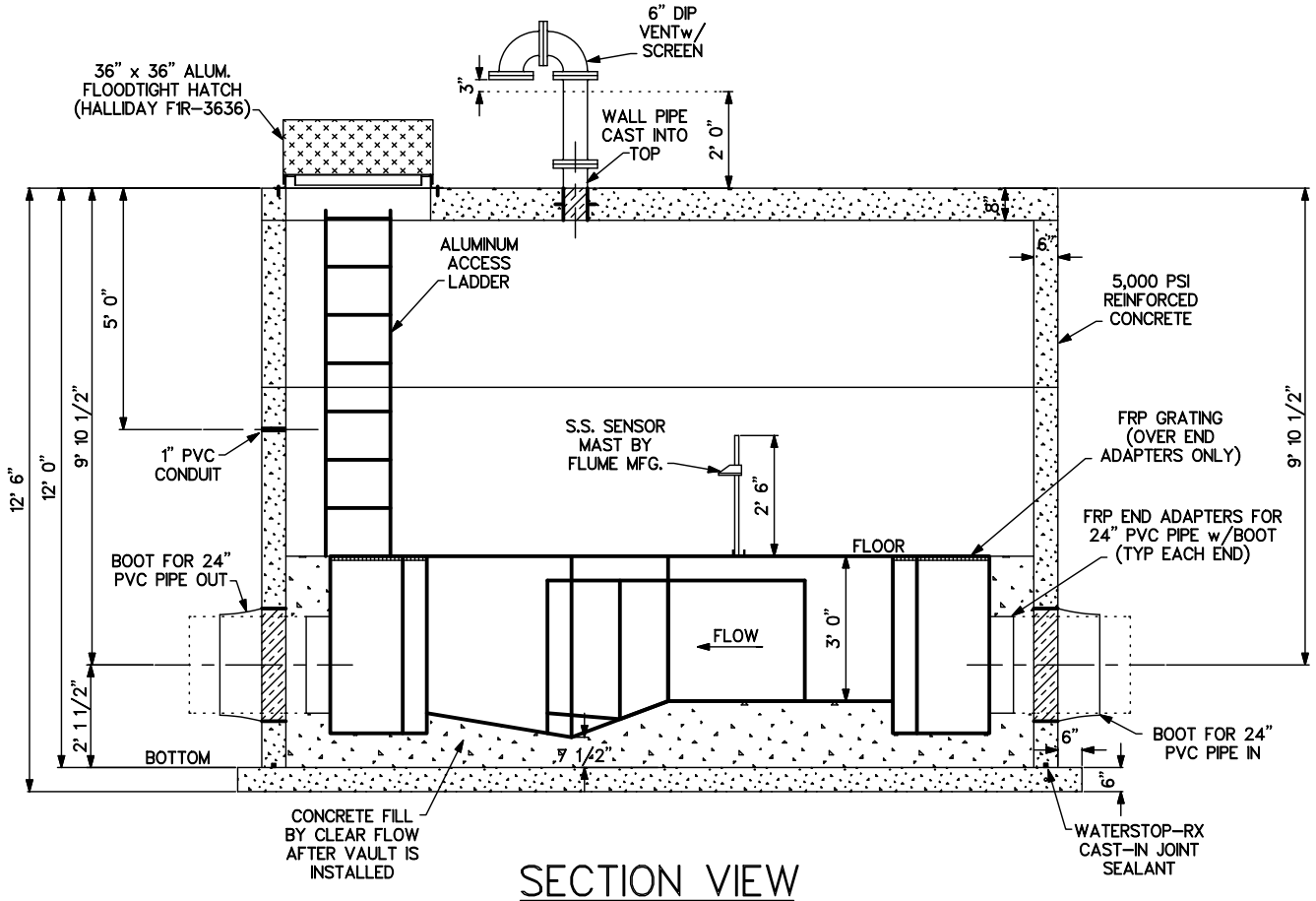
CLEAR FLOW
BY CP&P
CONCRETE PIPE & PRECAST, LLC
(800) 648 – 2678

SCALE: NONE	DATE: 7/09/98	DWG: FLUME-9

9" PARSHALL FLUME VAULT (10 FT DIAMETER STRUCTURE)



PLAN VIEW



SECTION VIEW

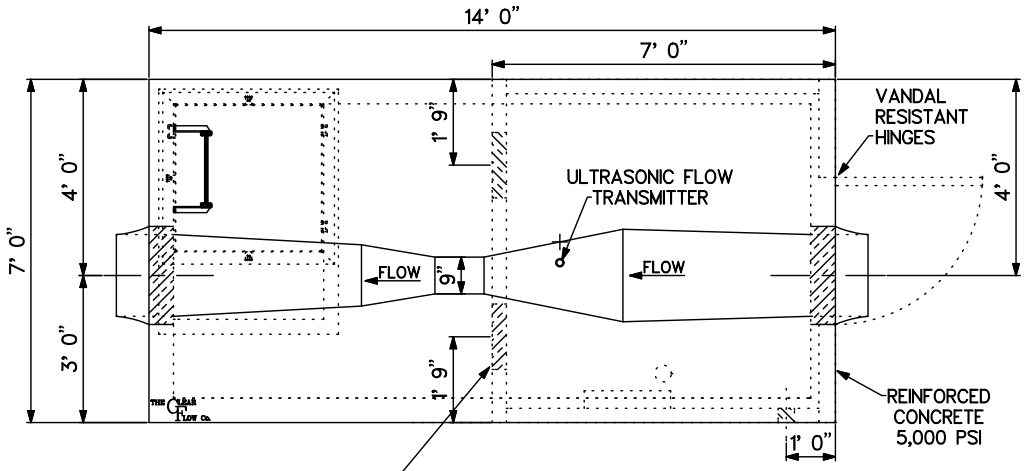
NOTES:

1. CLEAR FLOW VAULT SHIPPED IN SECTIONS TO BE ASSEMBLED BY THE CONTRACTOR. HEAVIEST LIFT APPROX. 42,000 LBS.
2. CLEAR FLOW TO POUR CONCRETE FILL AFTER VAULT IS SET AND APPROVED BY MUNICIPALITY. CONTRACTOR IS RESPONSIBLE FOR CRANE TO POUR FILL AND TO SET TOP LID.
3. BOOTS PROVIDED TO ATTACH 24" PVC PIPE (24.8" O.D.) TO FRP FLUME END ADAPTERS AND PIPE TO VAULT AT WALL
4. OPEN CHANNEL FLOW METER w/ULTRASONIC SENSOR & CHART RECORDER PROVIDED LOOSE FOR INSTALLATION BY OTHERS.

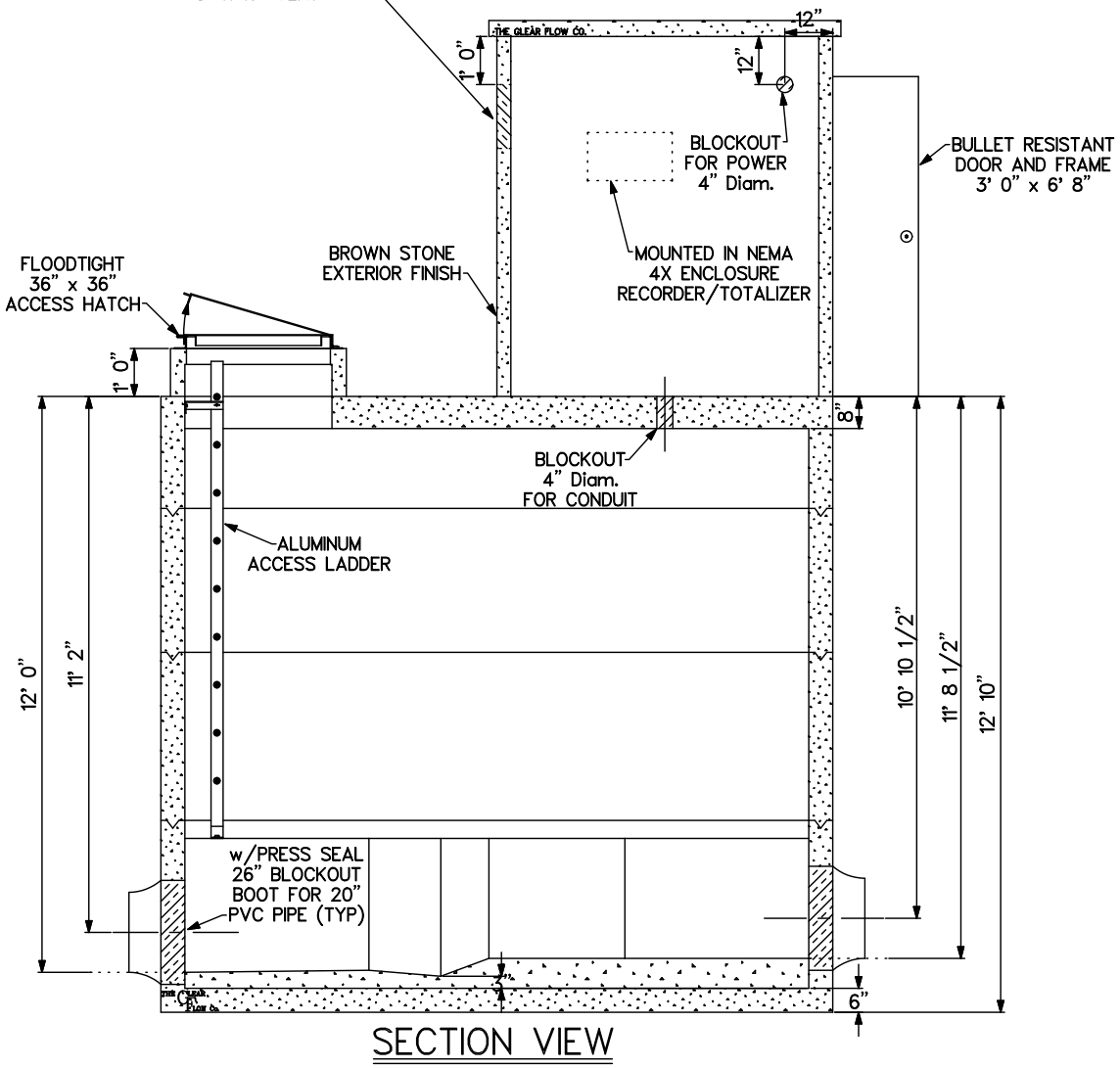
CLEAR FLOW
BY CP&P
CONCRETE PIPE & PRECAST, LLC
(800) 648 - 2678

SCALE: NONE	DATE: 2006	DWG: FLUME-9x18

9" x 18" NESTED PARSHALL FLUME VAULT



PLAN VIEW



SECTION VIEW

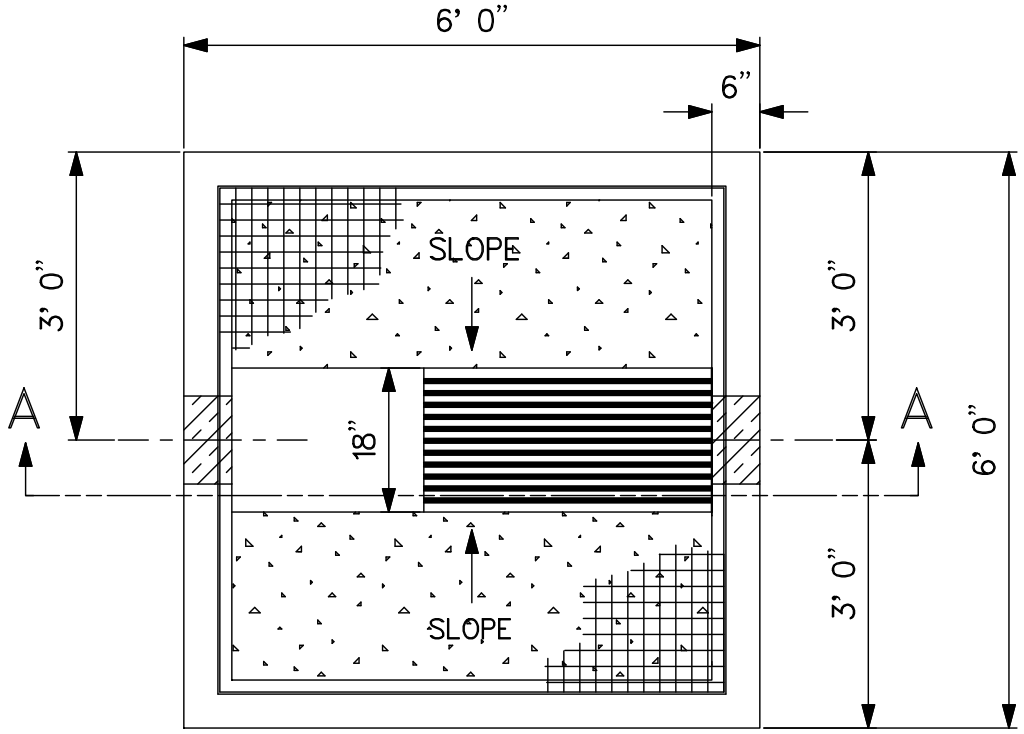
NOTES:

1. CLEAR FLOW VAULT SHIPPED IN SECTIONS TO BE ASSEMBLED BY THE CONTRACTOR
2. HEAVIEST LIFT APPROXIMATELY 40,000 LBS.

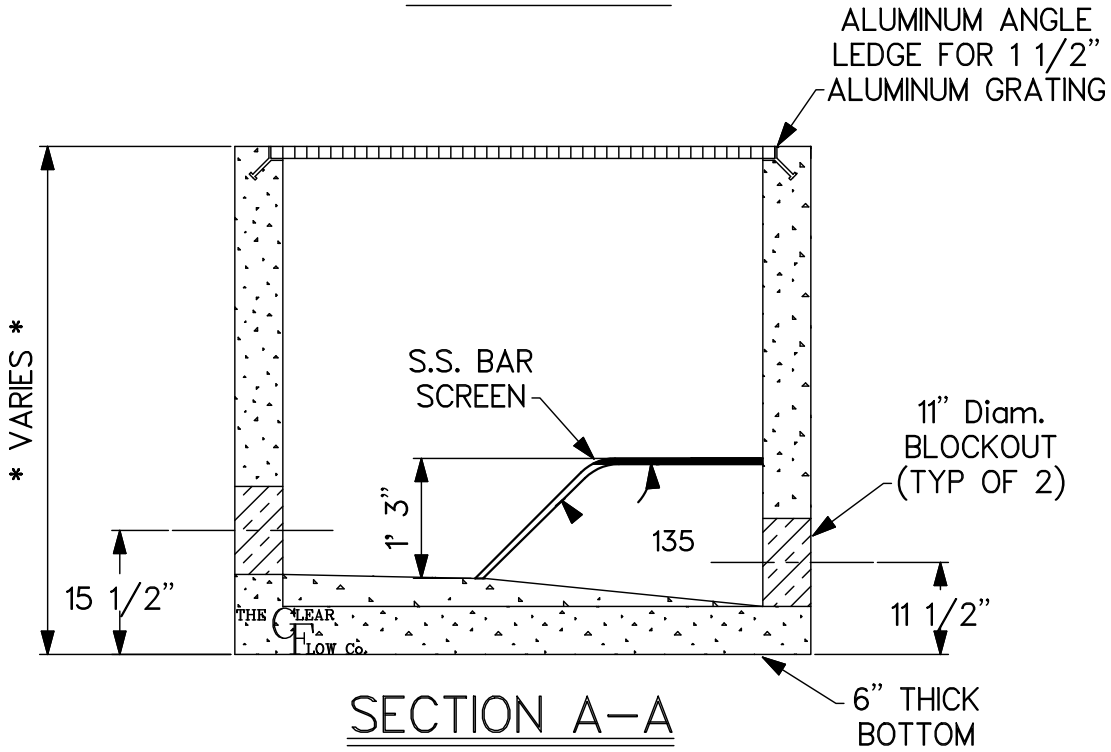
CLEAR FLOW
BY CP&P
CONCRETE PIPE & PRECAST, LLC
(800) 648 – 2678

SCALE: NONE	DATE: 7/13/98	DWG: FLUME–9 WITH BUILDING

SEWAGE METERING STATION
9" FLUME VAULT w/EQUIPMENT BUILDING



PLAN VIEW



SECTION A–A

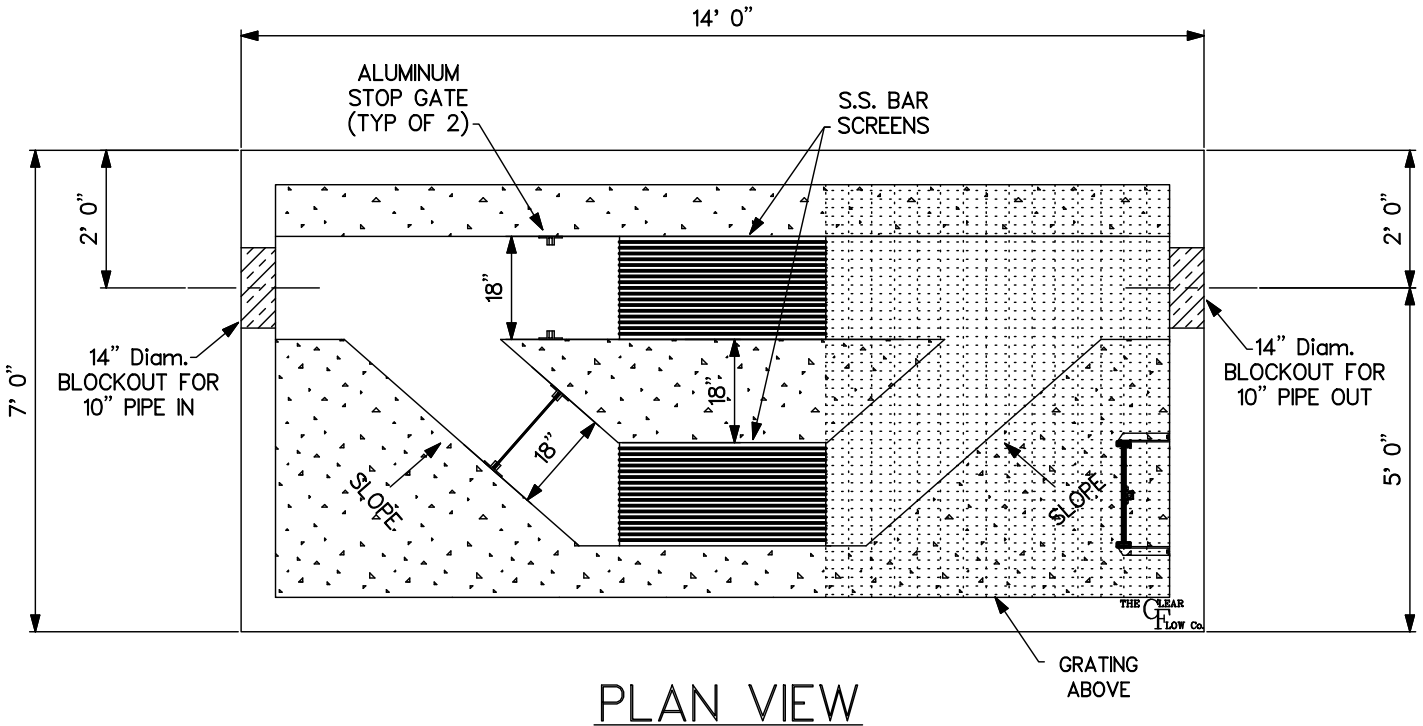
NOTES:

1. CLEAR FLOW VAULT SHIPPED ASSEMBLED

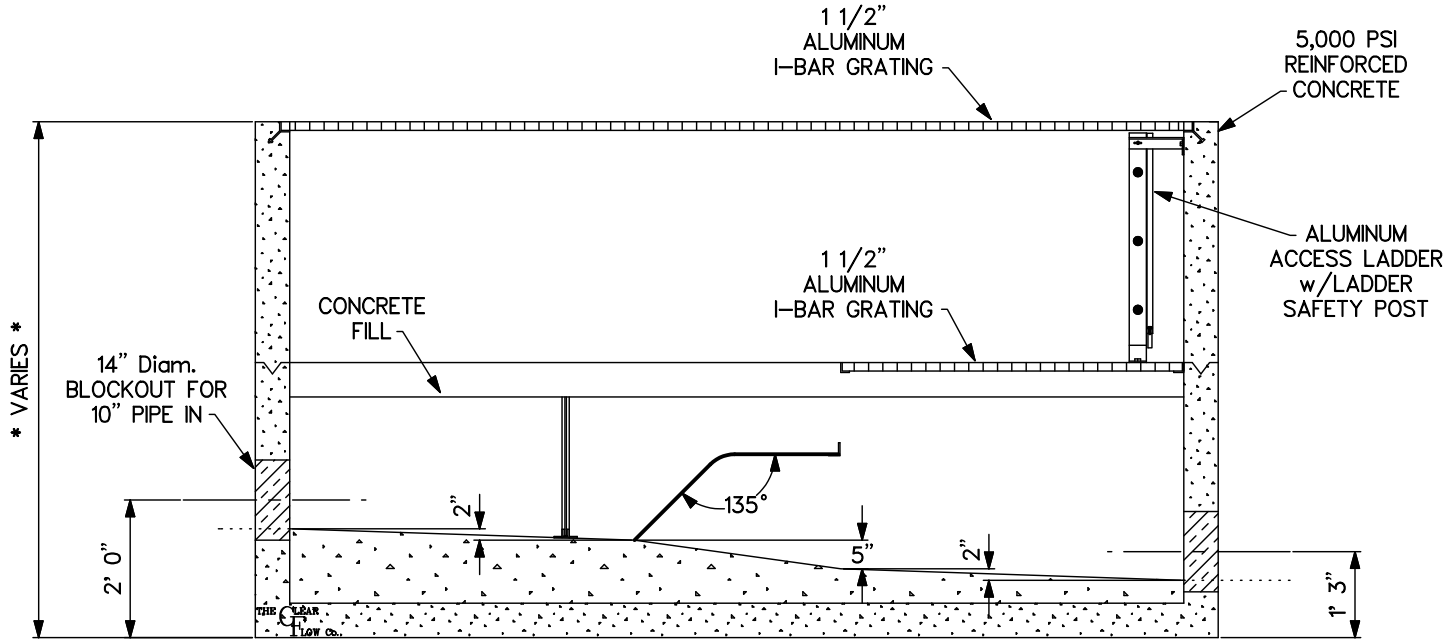
CLEAR FLOW
BY CP&P
CONCRETE PIPE & PRECAST, LLC
(800) 648 – 2678

SCALE: NONE	DATE: 7/08/98	DWG: BARSCREEN–SINGLE

6060
BARSCREEN VAULT



PLAN VIEW



SECTION VIEW

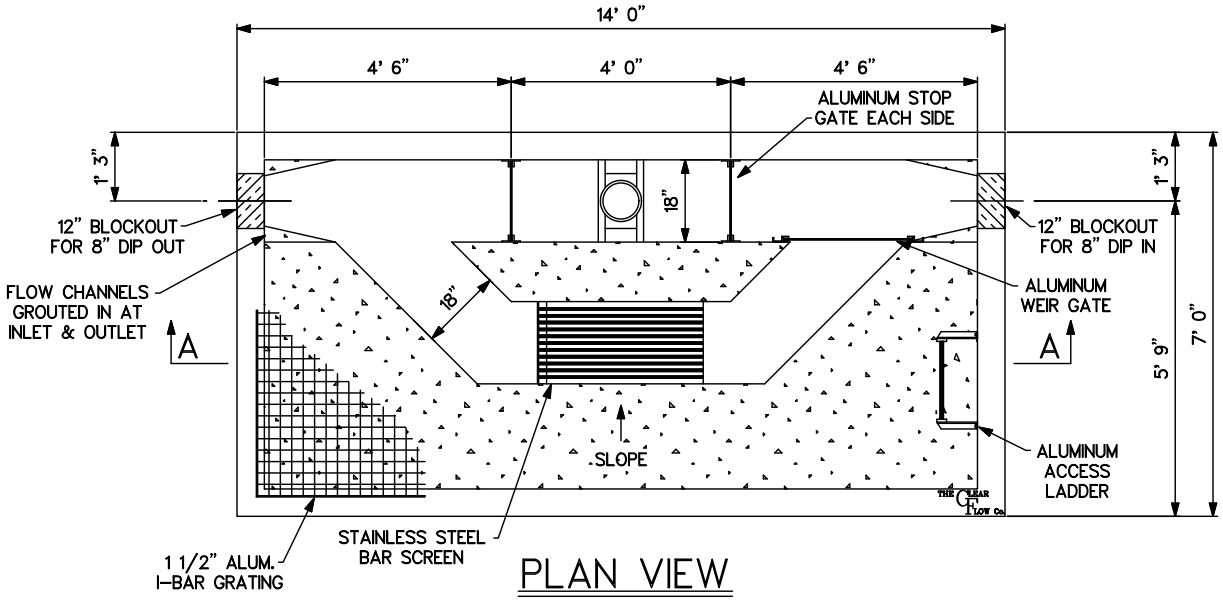
NOTES:

1. CLEAR FLOW BAR SCREEN VAULT SHIPPED IN SECTIONS TO BE ASSEMBLED BY THE CONTRACTOR
2. HEAVIEST LIFT APPROXIMATELY 44,000 LBS.

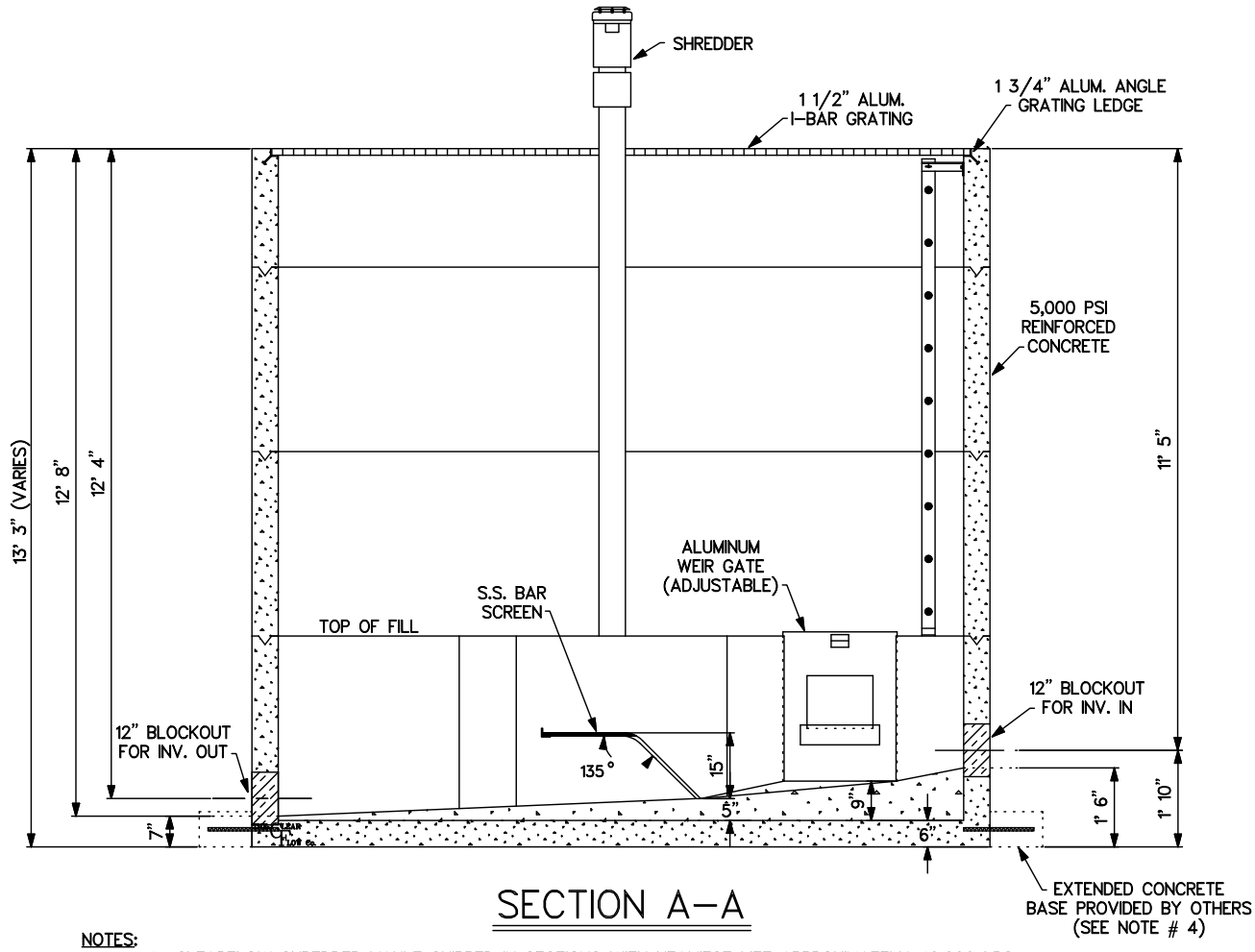
CLEAR FLOW
BY CP&P
CONCRETE PIPE & PRECAST, LLC
(800) 648 - 2678

SCALE: NONE	DATE: 7/08/98	DWG: BARSCREEN-DOUBLE

MANUAL BAR SCREEN VAULT w/BARSCREEN BYPASS



PLAN VIEW



SECTION A–A

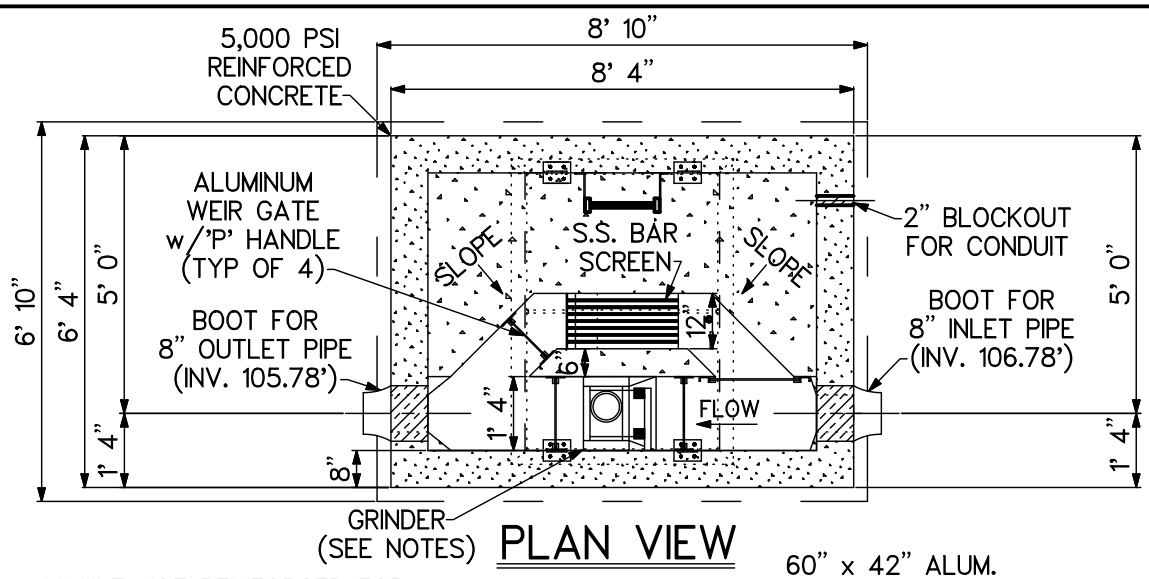
NOTES:

1. CLEARFLOW SHREDDER VAULT SHIPPED IN SECTIONS WITH HEAVIEST LIFT APPROXIMATELY 40,000 LBS.
2. MUFFIN MONSTER SHREDDER MODEL 30000–0024 AS SPECIFIED (2 hp; 230 VOLT; 3 PHASE; 60 Hz)
3. CONTROL PANEL & SHREDDER SUPPLIED LOOSE FOR ON–SITE INSTALLATION AND HOOK–UP BY CONTRACTOR
4. CLEAR FLOW TO DRILL HOLES @ 18" CENTERS & PROVIDE 16" LONG #5 REBAR DOWELS FOR STUBOUTS.

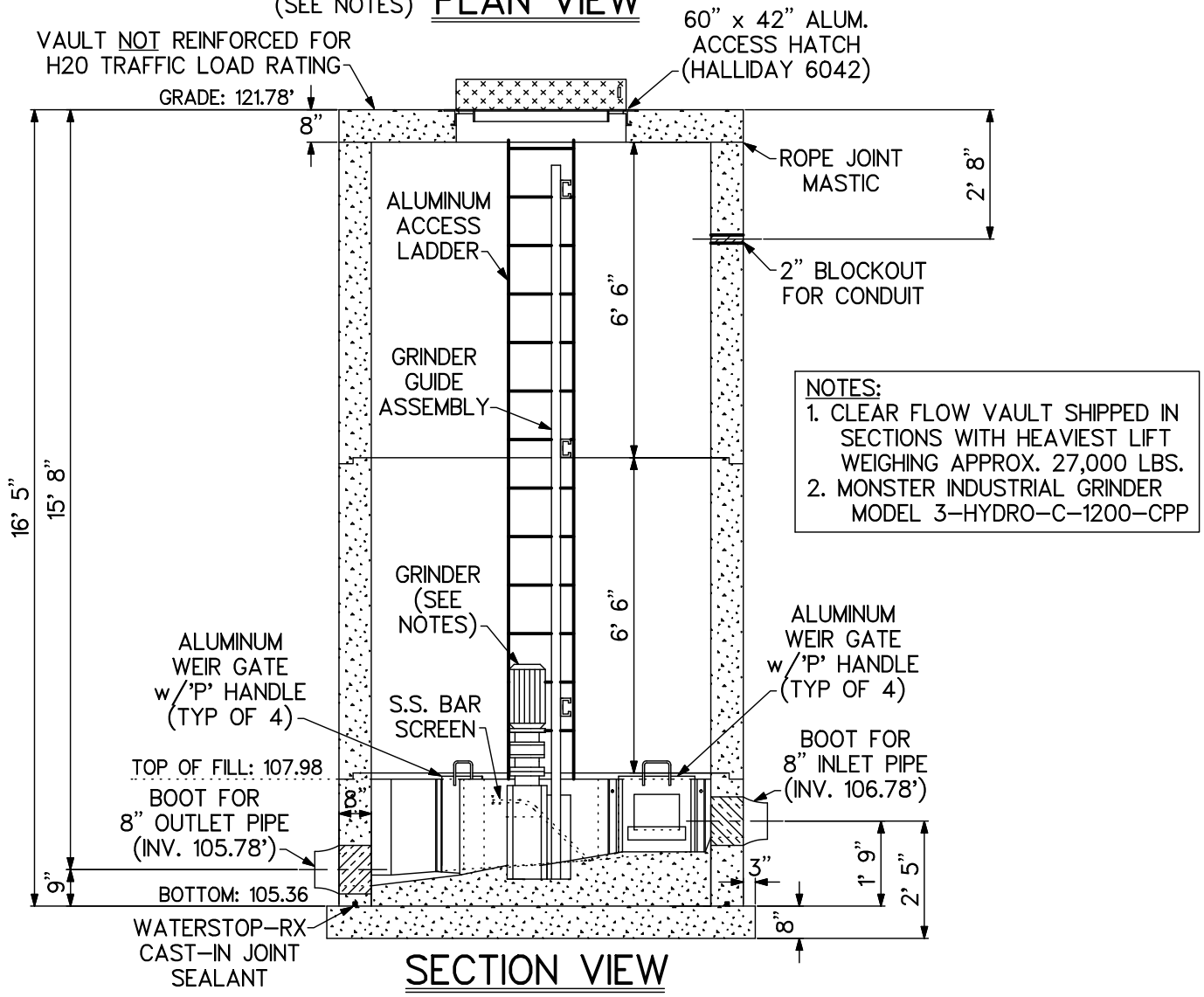
CLEAR FLOW
BY CP&P
CONCRETE PIPE & PRECAST, LLC
(800) 648 – 2678

SCALE: NONE	DATE: 7/10/98	DWG: SHREDDER VAULT

SEWAGE COMMINUTOR VAULT w/BARSCREEN BYPASS



PLAN VIEW



NOTES:
1. CLEAR FLOW VAULT SHIPPED IN SECTIONS WITH HEAVIEST LIFT WEIGHING APPROX. 27,000 LBS.
2. MONSTER INDUSTRIAL GRINDER MODEL 3-HYDRO-C-1200-CPP

SECTION VIEW

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

STAFFORD, VIRGINIA

ADULT DETENTION CENTER
GRINDER FACILITY
COMMINUTOR VAULT

* PRINTOUT NOT TO ANY SCALE *

REF. NO. COMMINUTOR VAULT