CUSTOM STORMWATER

DUPLEX–6' X 22' WET WELL & VALVE VAULT

WET WELL, VALVE VAULT, ELECTRICAL CONTROLS AND SCADA

VAULT DESIGN NOTES:
1. ALL PIPING & VALVES WITHIN VAULT ARE 6 INCH DIAMETER.
2. HATCH DESIGN LOADS: H–20 OCCASIONAL TRAFFIC.
3. VALVES AND VAULT PIPING SYSTEM FACTORY TESTED TO 150 PSI AFTER ASSEMBLY.

(51) NOT USED.

(52) FLYGT ALUMINUM ACCESS HATCH PRECAST INTO VAULT TOP SLAB.

(53) CL 55 DI PIPE SPOOL (PE x PE)

(54) DI SLEEVE COUPLING, DI TO DI PIPE

(55) DI PIPE SPOOL (FLG x PE)

(56) FLANGED DI BODY SWING CHECK VALVE, APCO MODEL 106. PROVIDE ONE VALVE WITH BACKFLOW DEVICE. OPTIONAL LIMIT SWITCH AVAILABLE.

(57) KENNEDY GATE VALVE MODEL # 4561N (FLG X FLG).

(58) DI 90° BEND (FLG x FLG)

(59) DI PIPE SPOOL (FLG x FLG)

(60) DI TEE (FLG x FLG)

(61) WAFER STYLE DIAPHRAM PRESSURE SENSOR, RED VALVE SERIES 40.

(62) DI PIPE SPOOL (FLG x PE)

(63) ADJUSTABLE PIPE SUPPORT, STANDON (TYP OF 4).

(64) VAULT SEAL, KOR–N–SEAL (TYP OF 3).

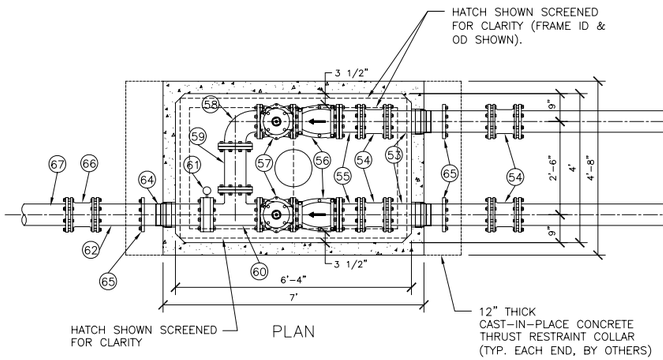
(65) RETAINER GLAND CENTERED IN THRUST COLLAR, MEGALUG (TYP OF 3).

(66) SLEEVE COUPLING, DI VAULT PIPING TO FORCE MAIN PIPING (BY OTHERS)

(67) FORCE MAIN (BY OTHERS).

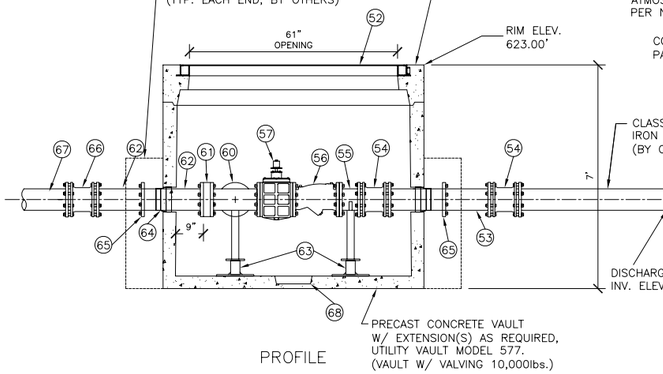
(68) PRECAST VAULT SUMP FOR SUMP PUMP OR GRAVITY DRAIN TO APPROVED POINT.

(69) NOT USED.



PLAN

NOTE: VAULT TOP SLABS ARE H–20 TRAFFIC RATED.

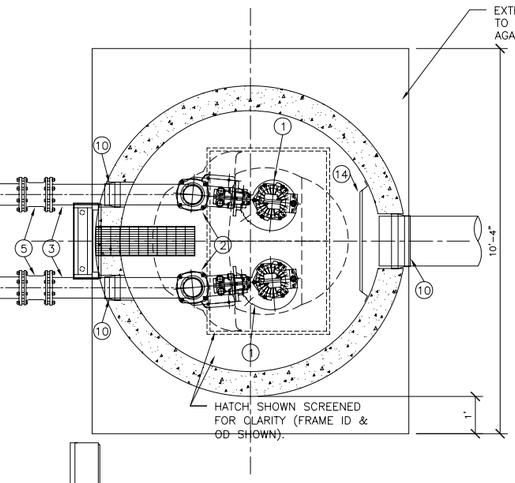


PROFILE

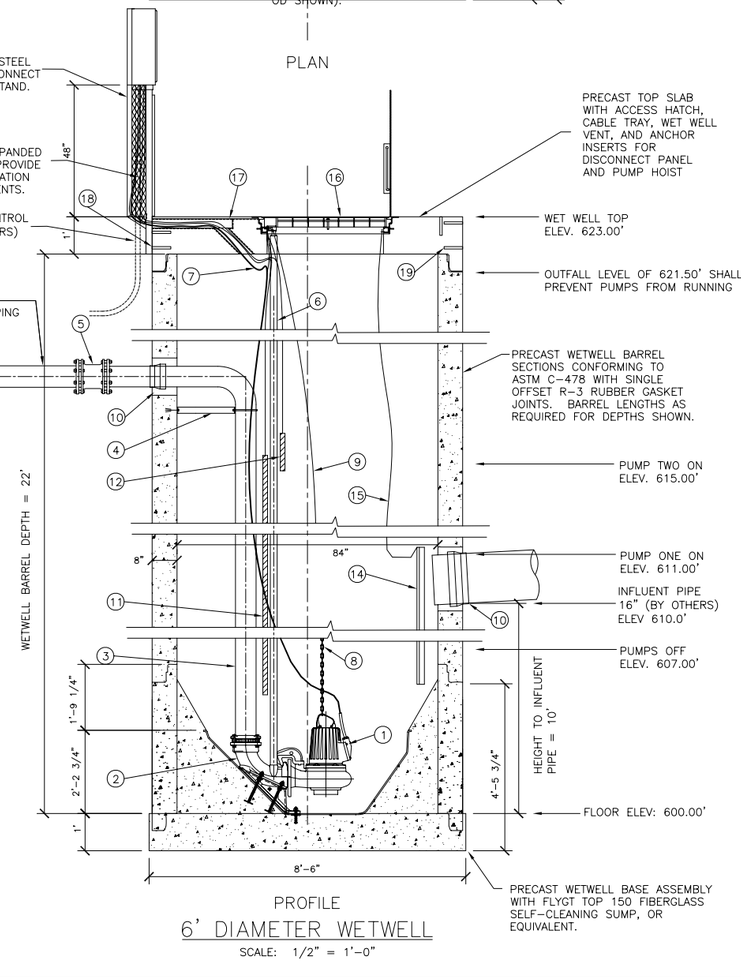
6'' VALVE VAULT

SCALE: 1/2" = 1'–0"

NOTE: WETWELL TOP SLABS ARE H–20 TRAFFIC RATED.



PLAN



PROFILE

6' DIAMETER WETWELL

SCALE: 1/2" = 1'–0"

(1) SUBMERSIBLE NON–CLOG SEWAGE PUMPS, FLYGT MODEL NP–3127 (438) 10HP. PROVIDE ONE PUMP WITH MIX FLUSH VALVE.

(2) 6"–INCH FLYGT DISCHARGE ELBOW.

(3) STAINLESS STEEL DISCHARGE PIPING (SCHED 40) FACTORY TESTED. PROVIDE ALL PIPE PENETRATION(S) WITH RUBBER BOOTS (KOR–N–SEAL).

(4) STAINLESS STEEL DISCHARGE PIPE ANCHOR BRACKET.

(5) DI SLEEVE COUPLING, STAINLESS STEEL TO DI PIPING

(6) TWO 2–INCH SCHEDULE 40 STAINLESS STEEL GUIDE BARS FOR EACH PUMP (FULL HEIGHT). ATTACH TO HATCH UNI–STRUT WITH FLYGT UPPER GUIDE BAR BRACKET.

(7) PUMP POWER CABLE WITH QUICK CONNECT COUPLING AT PUMP DISCONNECT PANEL. PROVIDE EACH CABLE WITH A STAINLESS STEEL BASKET CABLE GRIP ATTACHED TO HOOK ON UPPER GUIDE BAR BRACKET.

(8) STAINLESS STEEL CHAIN SLING FOR PUMP RETRIEVAL USING FLYGT GRIP–EYE. ATTACH TO PUMP LIFTING HANDLE.

(9) 1/4" STAINLESS STEEL CHAIN (S–4) ATTACHED TO PUMP HANDLE. PROVIDE CHAIN WITH 3/8" & 1/2" STAINLESS STEEL BOW SHACKLE WITH SCREW PIN ATTACHED TO PUMP HANDLE. ATTACH UPPER END OF CHAIN TO HOOK ON UPPER GUIDE BAR BRACKET.

(10) WETWELL SEAL, KOR–N–SEAL.

(11) PUMP LIQUID LEVEL CONTROL PROBE, FLYGT MULTI–TRODE PROBE.
PROBE LENGTH = 9.5 FEET (3.0 METERS)
NUMBER OF SENSORS = 10
SENSOR SPACING = 12–INCHES.
PROVIDE MULTITRODE MTAK–1 PROBE MOUNTING BRACKET MOUNTED TO HATCH UNI–STRUT.

(12) REDUNDENT CONTROL SYSTEM. MULTI–TRODE 3 SENSOR PROBE FOR REDUNDANT HIGH LEVEL ALARM AND PUMP START COMMAND.

(13) NOT USED.

(14) HDPE INFLUENT DEFLECTOR WITH FULL SIZE INSPECTION HOLE AND GUILLOTINE COVER.

(15) 1/8" STAINLESS STEEL LIFTING CABLE FOR INFLUENT DEFLECTOR INSPECTION HOLE COVER. PERMANENTLY ATTACH UPPER END OF CABLE TO HATCH UNI–STRUT.

(16) FLYGT ALUMINUM ACCESS HATCH PRECAST INTO WETWELL TOP SLAB. PROVIDE WITH SAFE–HATCH SAFETY GRATE BY FLYGT.

(17) ALUMINUM CABLE HATCH AND WETWELL VENT PRECAST INTO WETWELL TOP SLAB. PROVIDE WITH STAINLESS STEEL HINGES AND SLAM–LOCK.

(18) STAINLESS STEEL ANCHOR INSERTS FOR PUMP DISCONNECT PANEL.

(19) STAINLESS STEEL ANCHOR INSERTS FOR PUMP DAVIT CRANE BASE.

(20) NOT USED.

NO.	DATE	DESCRIPTION	BY
		REVISIONS	

VERIFY SCALE
BAR IS ONE INCH ON ORIGINAL DRAWING
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY
0 1"
DSN.
DRN.
CKD.
DATE:

ROMTEC UTILITIES
18240 NORTH BANK ROAD
ROSEBURG, OR 97470
(541)–496–9678
FAX (541)–496–0804

ROMTEC UTILITIES

6' WETWELL
6" DISCHARGE & VAULT

SHEET 1 OF 2

JOB NUMBER
RMTC 0000

CUSTOM STORMWATER

DUPLEX–6' X 22' WET WELL & VALVE VAULT

WET WELL, VALVE VAULT, ELECTRICAL CONTROLS AND SCADA

VAULT DESIGN NOTES:
1. ALL PIPING & VALVES WITHIN VAULT ARE 6 INCH DIAMETER.
2. HATCH DESIGN LOADS: H – 20 OCCASIONALLY LOADED
3. VALVES AND VAULT PIPING SYSTEM FACTORY TESTED AFTER ASSEMBLY.

(51)
(52) NOT USED.

FLYGT ALUMINUM ACCESS HATCH
(53) PRECAST INTO VAULT TOP SLAB.

(54)
(55) NOT USED.
(56) NOT USED.
(57) NOT USED.
NOT USED.
(58) NOT USED
(59)
(60) NOT USED.
(61) NOT USED.
(62) NOT USED.
NOT USED.
(63) 6" DI PIPE SPOOL (FLG x PE)

(64) ADJUSTABLE PIPE SUPPORT, STANDON (TYP OF 2).

(65) 6" VAULT SEAL, KOR–N–SEAL (TYP OF 2).

6" RETAINER GLAND CENTERED IN
(66) THRUST COLLAR, MEGALUG (TYP OF 2).

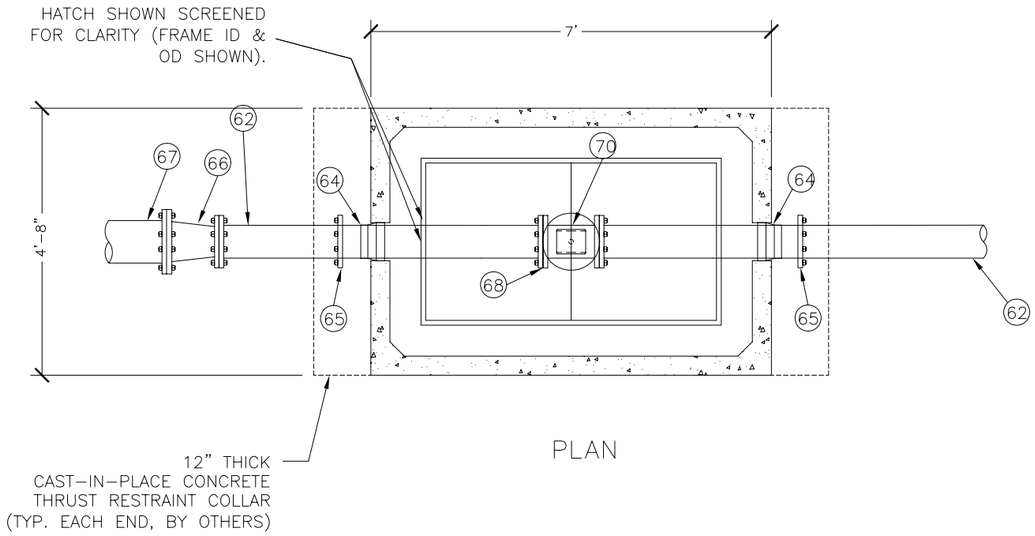
(67) SLEEVE COUPLING, DI VAULT PIPING
(68) TO FORCE MAIN PIPING (BY OTHERS)

8" FORCE MAIN (BY OTHERS).

(69) PRECAST VAULT SUMP FOR GRAVITY
(70) DRAIN TO APPROVED POINT.

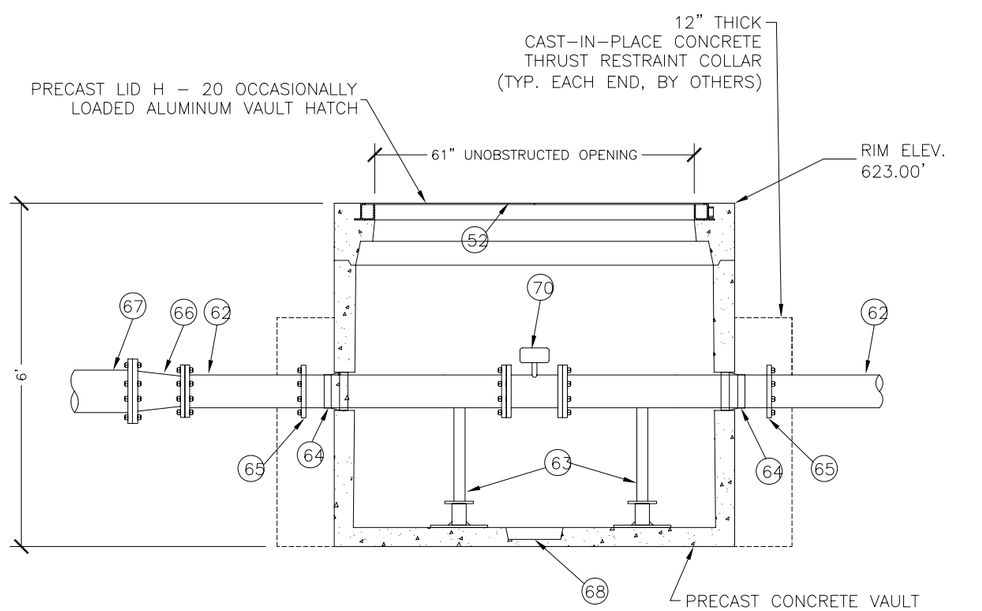
NOT USED.

6" ELECTROMAGNETIC FLOWMETER, SIEMENS SITRANS FM MAGFLOW, MAG 5100W.



PLAN

NOTE: VAULT TOP SLABS ARE H – 20 OCCASIONALLY TRAFFIC RATED.



PROFILE

6'' METERING VALVE VAULT

SCALE: 1/2" = 1'–0"

BY	DESCRIPTION	NO.	DATE
	REVISIONS		

VERIFY SCALE
BAR IS ONE INCH ON ORIGINAL DRAWING
0" 1"
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY

DSN.
DRN.
CKD.
DATE:

ROMTEC UTILITIES
18240 NORTH BANK ROAD
ROSEBURG, OR 97470
(541)–496–9678
FAX (541)–496–0804

ROMTEC UTILITIES

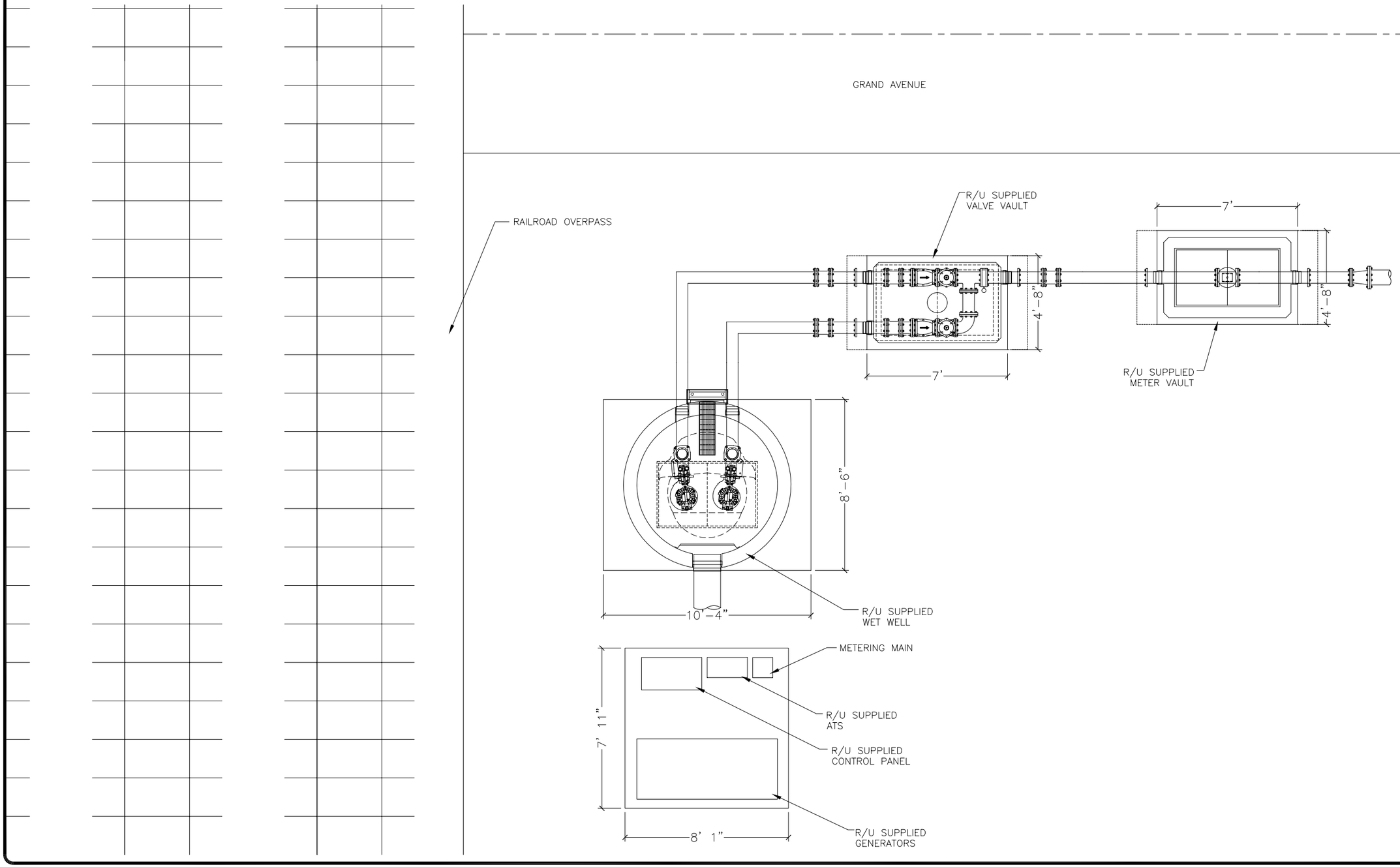
METERING VAULT
FLOWMETER

SHEET 2 OF 2

JOB NUMBER
RMTC 0000

CUSTOM STORMWATER DUPLEX–6' X 22' WET WELL & VALVE VAULT

WET WELL, VALVE VAULT, ELECTRICAL CONTROLS AND SCADA



NO.	DATE	DESCRIPTION	BY
		REVISIONS	

VERIFY SCALE
BAR IS ONE INCH ON ORIGINAL DRAWING
0 1"
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY

DSN.
DRN.
CKD.
DATE:

ROMTEC UTILITIES
18240 NORTH BANK ROAD
ROSEBURG, OR 97470
(541)-496-9678
FAX (541)-496-0804

ROMTEC UTILITIES

SITE PLAN

SHEET 1 OF 1

JOB NUMBER RMTC 0000