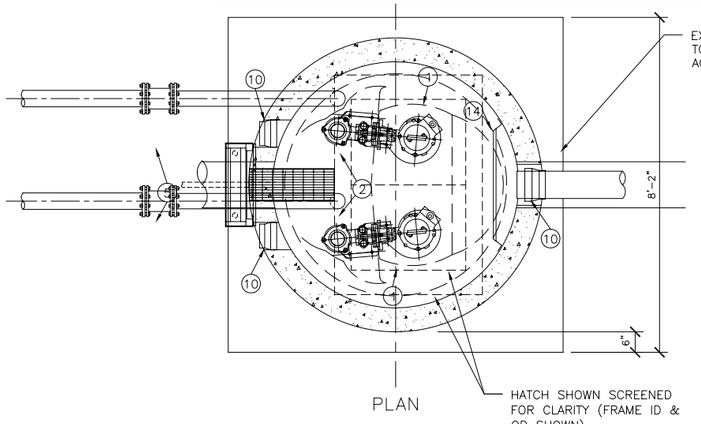
CUSTOM WASTEWATER

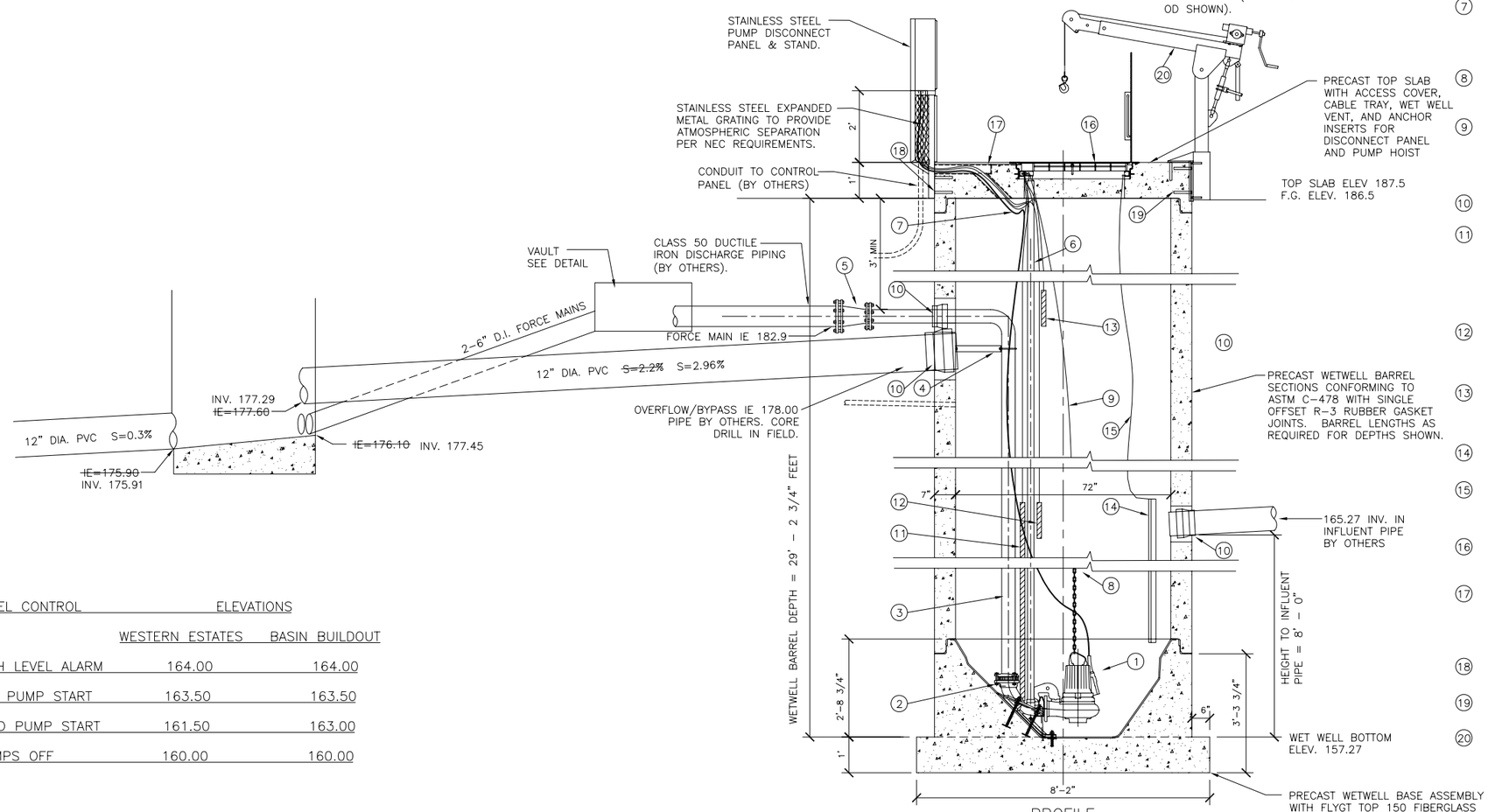
DUPLEX–6' X 29' WET WELL

WET WELL, VALVE VAULT, ELECTRICAL CONTROLS,
GENERATOR, SCADA AND CONTROL SHELTER

NOTE: WETWELL TOP SLABS ARE NOT TRAFFIC RATED.



PLAN



PROFILE

6' DIAMETER WETWELL

SCALE: 1/2" = 1'–0"

LEVEL CONTROL	ELEVATIONS	
	WESTERN ESTATES	BASIN BUILDOUT
HIGH LEVEL ALARM	164.00	164.00
LAG PUMP START	163.50	163.50
LEAD PUMP START	161.50	163.00
PUMPS OFF	160.00	160.00

1. SUBMERSIBLE NON–CLOG SEWAGE PUMPS, FLYGT MODEL NP–3102 (464). PROVIDE ONE PUMP WITH MIX FLUSH VALVE.
2. 4–INCH FLYGT DISCHARGE ELBOW.
3. STAINLESS STEEL DISCHARGE PIPING (SCHEDULE 40). 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. 3/16–INCH STAINLESS STEEL GUIDE CABLE (7x19 STRAND) ATTACHED TO CHAIN SLING. PROVIDE BOTH ENDS OF CABLE WITH THIMBLE AND STAINLESS STEEL SWEDGE. ATTACH UPPER END OF CABLE TO HOOK ON UPPER GUIDE BAR BRACKET.
10. WETWELL SEAL, KOR–N–SEAL.
11. PUMP LIQUID LEVEL CONTROL PROBE, FLYGT MULTI–TRODE PROBE OR EQUIVALENT.
    PROBE LENGTH = 5 FEET (1.5 METERS)
    NUMBER OF SENSORS = 10
    SENSOR SPACING = 6–INCHES.
    PROVIDE MULTITRODE MTAK–1 PROBE MOUNTING BRACKET MOUNTED TO HATCH UNI–STRUT.
12. REDUNDANT HIGH WATER ALARM/OVERFLOW LEVEL PROBE, MULTI–TRODE CUSTOM THREE SENSOR PROBE. MOUNT ON MAIN PROBE MOUNTING BRACKET.
13. OVERFLOW/BYPASS ALARM PROBE, MULTI–TRODE SINGLE SENSOR PROBE. PROVIDE WITH SEPARATE MTAK–1 MOUNTING BRACKET.
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 OR EQUIVALENT.
17. FRP CABLE TRAY AND WETWELL VENT PRECAST INTO WETWELL TOP SLAB. PROVIDE WITH REMOVABLE ½–INCH STAINLESS STEEL GRATING. GRATING TO BE MACHINED TO FIT UNDER THE EDGE OF THE WETWELL HATCH FRAME.
18. STAINLESS STEEL ANCHOR INSERTS FOR PUMP DISCONNECT PANEL.
19. STAINLESS STEEL ANCHOR INSERTS FOR PUMP DAVIT CRANE BASE.
20. PUMP DAVIT CRANE, THERN MODEL 5124 OR EQUIVALENT.

BY	DESCRIPTION	DATE	NO.

REVISIONS

VERIFY SCALE
BAR IS ONE INCH ON ORIGINAL DRAWING 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

6' WETWELL
4" DISCHARGE

SHEET
1 OF 2

JOB NUMBER
RMTC 0000

CUSTOM WASTEWATER

DUPLEX–6' X 29' VALVE VAULT

WET WELL, VALVE VAULT, ELECTRICAL CONTROLS,
GENERATOR, SCADA AND CONTROL SHELTER

VAULT DESIGN NOTES:
1. ALL PIPING & VALVES WITHIN VAULT ARE 6 INCH DIAMETER.
2. HATCH DESIGN LOADS: 700 LB/SQUARE FOOT.
3. VALVES AND VAULT PIPING SYSTEM FACTORY TESTED TO 150 PSI AFTER ASSEMBLY.

SET NON–TRAFFIC RATED TOP SLABS A MINIMUM OF 12–INCHES ABOVE ADJACENT GRADE, OR INSTALL PIPE BOLLARDS AS REQUIRED FOR PROTECTION (TYPICAL FOR VALVE VAULT, BY OTHERS)

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

(53) CL 52 DI PIPE SPOOL (PE x PE)

(54) DI SLEEVE COUPLING, DI TO DI PIPE

(55) DI PIPE SPOOL (FLG x PE)

(56) AWWA C508 6" CHECK VALVE WITH FLANGED END. M&H VALVE STYLE 59 KENNEDY (FIG. #106) OR EQUAL.

(57) ECCENTRIC PLUG VALVE W/2–INCH OPERATING NUT, DEZURIK MODEL PEC6.

(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 4).

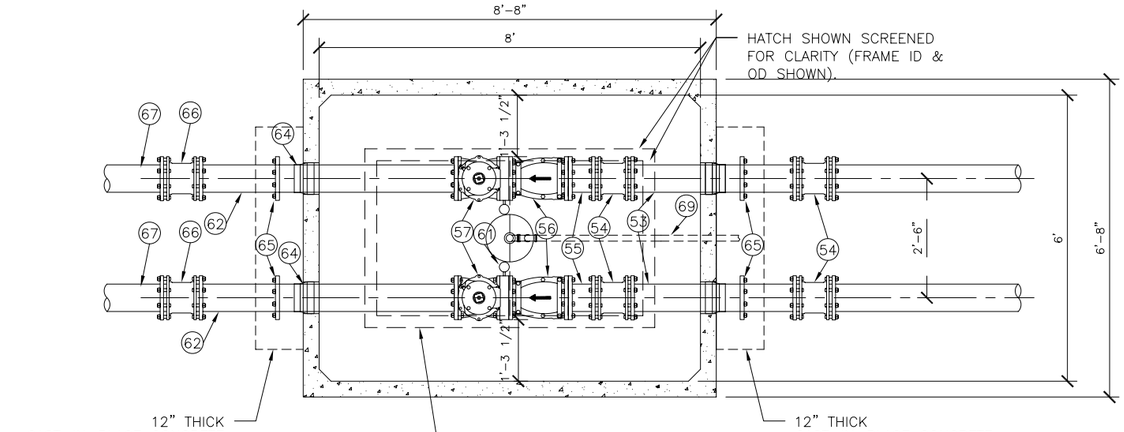
(65) RETAINER GLAND CENTERED IN THRUST COLLAR, MEGALUG (TYP OF 4).

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

(67) FORCE MAIN (BY OTHERS).

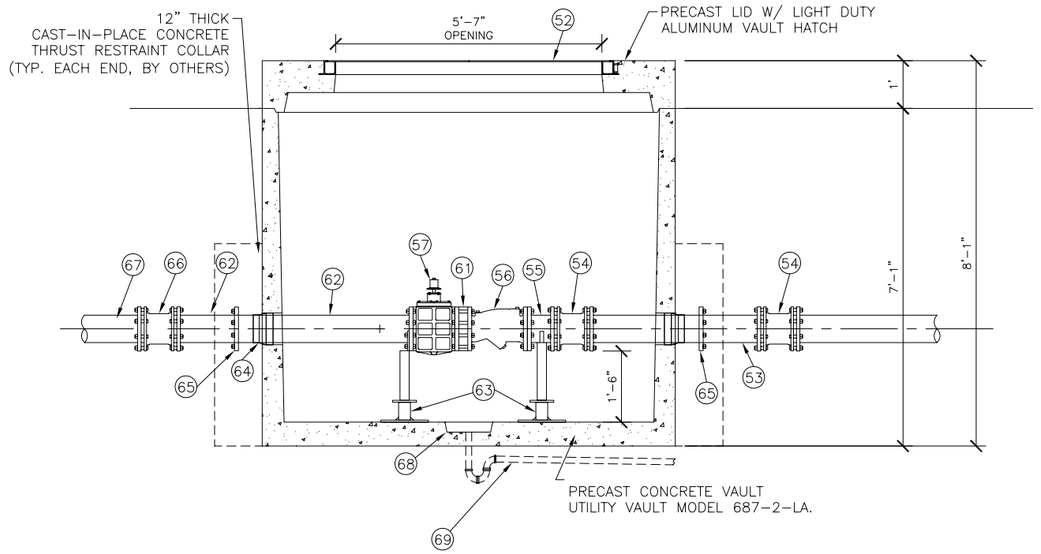
(68) PRECAST VAULT SUMP FOR SUMP PUMP OR GRAVITY DRAIN TO APPROVED POINT.

(69) GRAVITY DRAIN (BY OTHERS). COORDINATE WITH SITE ENGINEER TO CONNECT SUMP TO PUMP STATION.



PLAN

NOTE: VAULT TOP SLABS ARE NOT TRAFFIC RATED.



PROFILE

6'' VALVE VAULT

SCALE: 1/2" = 1'–0"

NO.	DESCRIPTION	DATE	BY
	REVISIONS		

VERIFY SCALE
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0 1"
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ROMTEC UTILITIES

6' CUSTOM VALVE VAULT

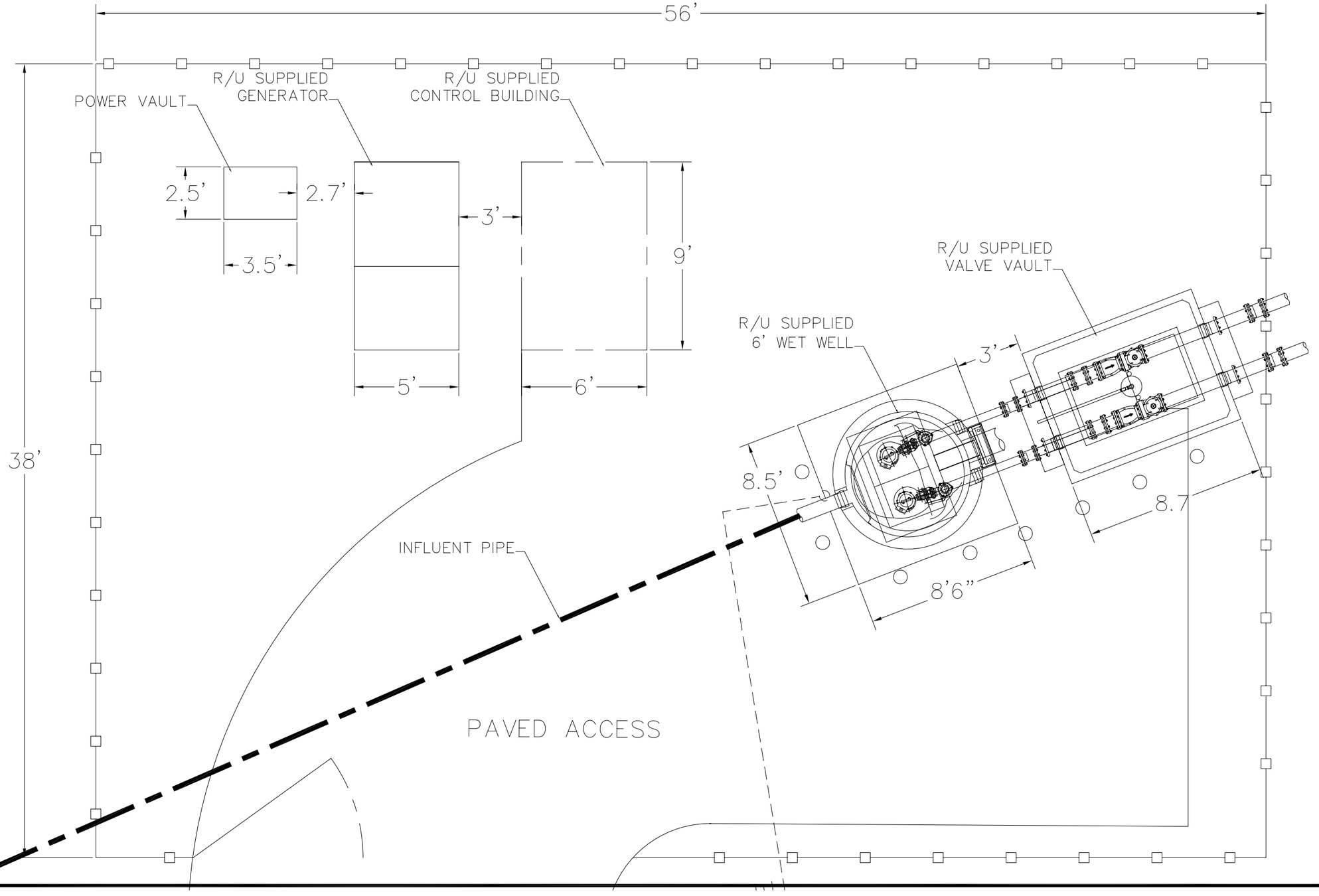
SHEET 2 OF 2

JOB NUMBER 0000

CUSTOM WASTEWATER

DUPLEX–6' X 29' SITE PLAN

WET WELL, VALVE VAULT, ELECTRICAL CONTROLS,
GENERATOR, SCADA AND CONTROL SHELTER



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ROMTEC UTILITIES

SITE PLAN

SHEET
1 OF

JOB NUMBER
RMTC 0000