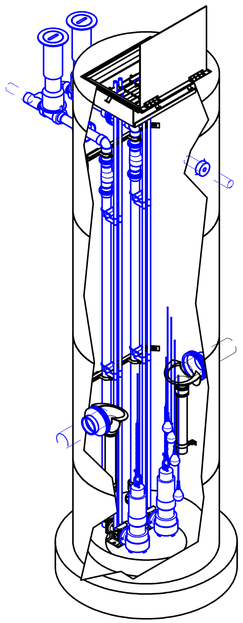

ISO VIEW
SCALE 1 / 30

4' DIAMETER WET WELL
3" DISCHARGE PIPING
DUPLEX EBARA PUMPS
3" VALVE ASSEMBLY
FOR PRODUCTION

COLOR LEGEND

- MAJOR CONCRETE COMPONENTS WITH PRE-INSTALLED COMPONENTS.
- COMPONENTS PRE-ASSEMBLED TO THE EXTENT POSSIBLE AND WILL NEED TO BE FIELD INSTALLED.

NOTE: PRE-ASSEMBLY IS DONE AT ROMTEC UTILITIES' DISCRETION AND MAY CHANGE AT THE TIME OF PRODUCTION.

ALL MATERIALS SHOWN ON THIS SHEET WILL BE SUPPLIED BY ROMTEC UTILITIES AND DELIVERED TO THE SITE AFTER THE HOLE HAS BEEN EXCAVATED AND SHORED. THE CONTRACTOR SHALL SUPPLY A CRANE OF SUFFICIENT SIZE TO LOWER ALL THE CONCRETE PIECES INTO THE HOLE SAFELY. THE CONTRACTOR SHALL INSTALL THE WET WELL (AND VALVE VAULT AND METERING VAULT IF APPLICABLE). ROMTEC UTILITIES WILL PROVIDE A REPRESENTATIVE FOR TECHNICAL ASSISTANCE ON THE DAY OF INSTALLATION TO ANSWER ANY QUESTIONS THAT MAY ARISE. THE CONTRACTOR IS RESPONSIBLE FOR ALL PLUMBING AND ELECTRICAL CONNECTIONS AND INSTALLATION. ITEMS NOTED AS "BY OTHERS" WILL BE PROVIDED AND INSTALLED BY THE CONTRACTOR. ROMTEC UTILITIES WILL NOT INSTALL ANY OF THE COMPONENTS SHOWN ON THIS PAGE.

ROMTEC UTILITIES

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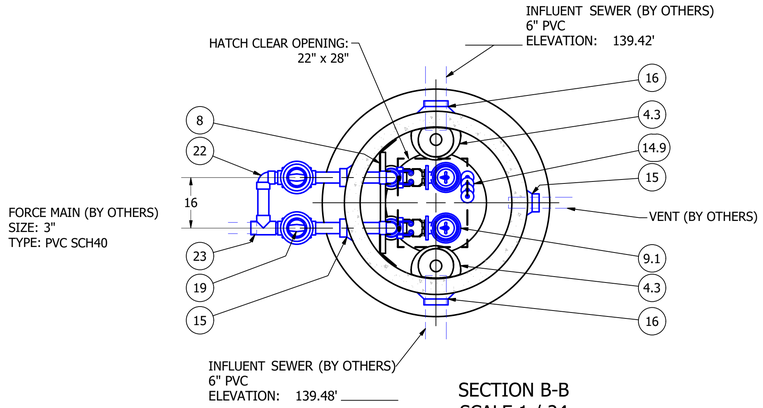
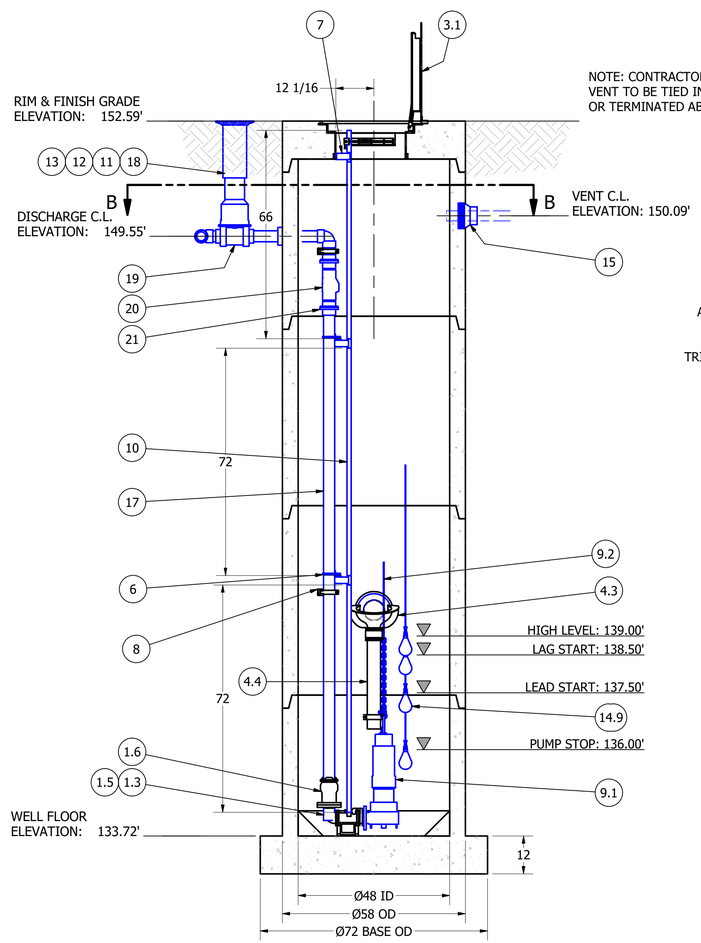


SECTION B-B
SCALE 1 / 24

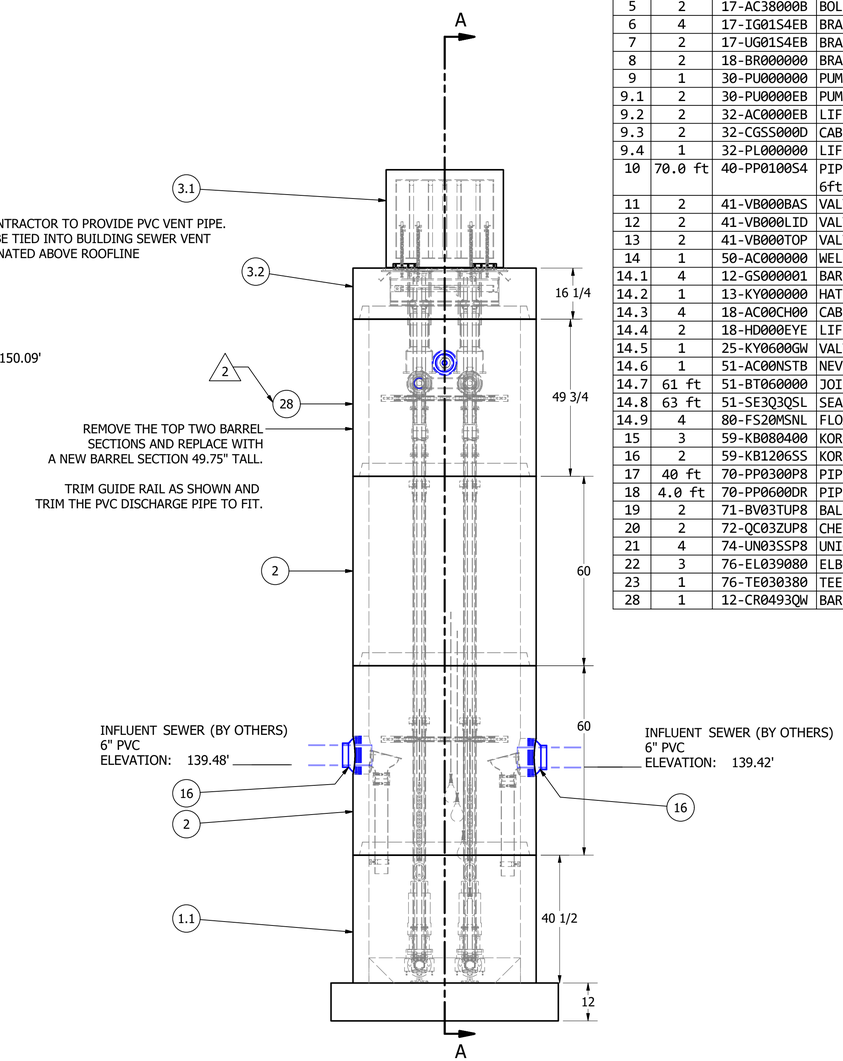
PRIMARY SENSOR ELEVATION TABLE		
DESCRIPTION	ELEVATION	Δ
INFLUENT INVERT	139.42'	
HIGH LEVEL ALARM	139.00'	0.42'
LAG PUMP START	138.50'	0.50'
LEAD PUMP START	137.50'	1.00'
PUMP STOP	136.00'	1.50'
WELL FLOOR	133.72'	2.28'

NOTE: TOP SLAB AND HATCH ARE H-20 OCCASIONAL TRAFFIC RATED



NOTE: CONTRACTOR TO PROVIDE PVC VENT PIPE. VENT TO BE TIED INTO BUILDING SEWER VENT OR TERMINATED ABOVE ROOFLINE

SECTION A-A
SCALE 1 / 24



FRONT VIEW
SCALE 1 / 24

PARTS LIST			
ITEM	QTY	STOCK NUMBER	DESCRIPTION
1	1	10-CB000000	BASE SLAB ASSEMBLY
1.1	1	10-CB044000	BASE - WW - 4ft DIA x 40in
1.2	1	10-GR040000	GROUT RING - 4ft DIA
1.3	2	31-EL2H03EB	DISCHARGE ELBOW - 2.5in X 3in - EBARA
1.4	2	31-HW00AKS6	ANCHOR KIT - 316SS - DISCHARGE ELBOW
1.5	2	31-QD2HLMEB	QDC - 2.5in - LM65 - EBARA
1.6	2	44-AD03HYFA	FLANGE ADAPTER - 3in - HYMAX GRIP
2	2	12-CR04600W	BARREL - 4ft DIA x 5ft H
3	1	14-CT000000	TOP SLAB ASSEMBLY
3.1	1	13-HH04FT0U	HATCH - H20 - FLOOD TIGHT - 22x34 FRAME
3.2	1	14-CT04HD0W	TOP SLAB - 4ft DIA - H20
4	2	15-DB000000	DROP BOWL ASSEMBLY - 6in INLET
4.1	2	15-BR04SS35	BRACKET - PIPE - 4in -SS35 - SDR35
4.2	2	15-CP040000	COUPLING - FERNCO - 4in
4.3	2	15-DB464045	DROP BOWL - 4in thru 6in INLET x 4in OUTLET - 4ft - 5ft WET WELL
4.4	5 ft	70-PP0400DR	PIPE - PVC SDR35 - 4in DIA (2 @ 2.5ft)
5	2	17-AC38000B	BOLT KIT - UPPER GUIDE BAR BRACKET
6	4	17-IG01S4EB	BRACKET - 304SS - INTERMEDIATE GUIDE BAR - 1in
7	2	17-UG01S4EB	BRACKET - 304SS - UPPER GUIDE BAR - 1in
8	2	18-BR000000	BRACKET ASSEMBLY - 316SS - DISCHARGE SUPPORT
9	1	30-PU000000	PUMP SHIPPING CRATE
9.1	2	30-PU0000EB	PUMP - EBARA 80DVFU61.5 - 2HP
9.2	2	32-AC0000EB	LIFTING ASSEMBLY - EBARA - 24ft TOTAL LENGTH
9.3	2	32-CGSS00D	CABLE SUPPORT GRIP - 304SS - 0.75in-0.99in
9.4	1	32-PL000000	LIFTING RING - PUMP
10	70.0 ft	40-PP0100S4	PIPE - 304SS SCH40 - 1in DIA (8 @ 7ft, 4 @ 6ft GUIDE RAILS)
11	2	41-VB000BAS	VALVE BOX - BASE
12	2	41-VB000LID	VALVE BOX - LID
13	2	41-VB000TOP	VALVE BOX - TOP
14	1	50-AC000000	WELL SHIPPING CRATE
14.1	4	12-GS000001	BARREL - GASKET
14.2	1	13-KY000000	HATCH KEY
14.3	4	18-AC00CH00	CABLE HANGER ASSEMBLY - 316SS
14.4	2	18-HD000EYE	LIFTING EYE
14.5	1	25-KY0600GW	VALVE KEY - 6ft - GATE WRENCH
14.6	1	51-AC00NSTB	NEVER SIEZE - TUBE
14.7	61 ft	51-BT060000	JOINT WRAP - 6in - BOA TAPE
14.8	63 ft	51-SE3Q3QSL	SEALANT - 0.75in - CONSEAL CS-202
14.9	4	80-FS20MSNL	FLOAT - 20m - MS1 - NOLTA
15	3	59-KB080400	KOR-N-SEAL - 8in CORE - 4in thru 1.5in PIPE
16	2	59-KB1206SS	KOR-N-SEAL - 12in CORE x 6in IPS PIPE
17	40 ft	70-PP0300P8	PIPE - PVC SCH80 - 3in DIA
18	4.0 ft	70-PP0600DR	PIPE - PVC SDR35 - 6in DIA
19	2	71-BV03TUP8	BALL VALVE - PVC SCH80 - 3in - UNION - SLIP
20	2	72-QC03ZUP8	CHECK VALVE - 3in - ZOELLER QUIET CHECK
21	4	74-UN03SSP8	UNION - PVC SCH80 - 3in SLIP
22	3	76-EL039080	ELBOW - PVC SCH80 - 3in x 90deg - SLIP
23	1	76-TE030380	TEE - PVC SCH80- 3in - SLIP
28	1	12-CR0493QW	BARREL - 4ft DIA x 49.75in H

NOTE:
CONDUIT TO CONTROL PANEL (BY OTHERS)
MINIMUM:
(2) FOR POWER
(1) FOR LEVEL SENSING

NOTE: CONTRACTOR TO SEAL ALL CONCRETE JOINTS AND PIPE PENETRATIONS WITH NON-SHRINK GROUT

NOTE: ALL DIMENSIONS AND ELEVATIONS SHOWN ARE NOMINAL DIMENSIONS. IT IS THE RESPONSIBILITY OF THE ON-SITE CONTRACTOR OR ROMTEC UTILITIES CUSTOMER (NOT ROMTEC UTILITIES) TO VERIFY THE ACCURACY OF ANY CRITICAL DIMENSIONS OR ELEVATIONS PRIOR TO SETTING OR INSTALLING ANY EQUIPMENT.

REVISION HISTORY			
REV	DATE	DESCRIPTION	BY
1	5-8-19	LAUNCH REVISIONS	AD
2	1/29/2020	REVISED RIM ELEV. AND DISCHARGE ELEV.	AD

VERIFY SCALE
0 — 1"
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALE ACCORDINGLY

DSN: KEVIN BOGAN
DRN: KEVIN BOGAN
CKD:
DATE: 4-12-19

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NE 28th & HALSEY APARTMENTS
PORTLAND, OR
WET WELL ASSEMBLY
COMPONENT DRAWING
WASTEWATER