I&C Design Progression

No. 28

CREATED	RESPONDED	DUE DATE	
8/9/2022			NEW

TO **Alder Construction-Val Martin**
,

FROM **Stantec-Steve Winfree**
,

LOCATION Spanish Fork Water Reclamation Facility 2028 North 200 East Spanish Fork , UT 84660
OWNER Spanish Fork City
ARCHITECT Fred Thalmann, Architect
GENERAL CONTRACTOR Alder Construction
PROJECT MANAGER J-U-B Engineers

QUESTION

Please reference the attached *NEW* I&C sheet regarding clarification on the wet panel design requirements.

REFERENCES/ATTACHMENTS

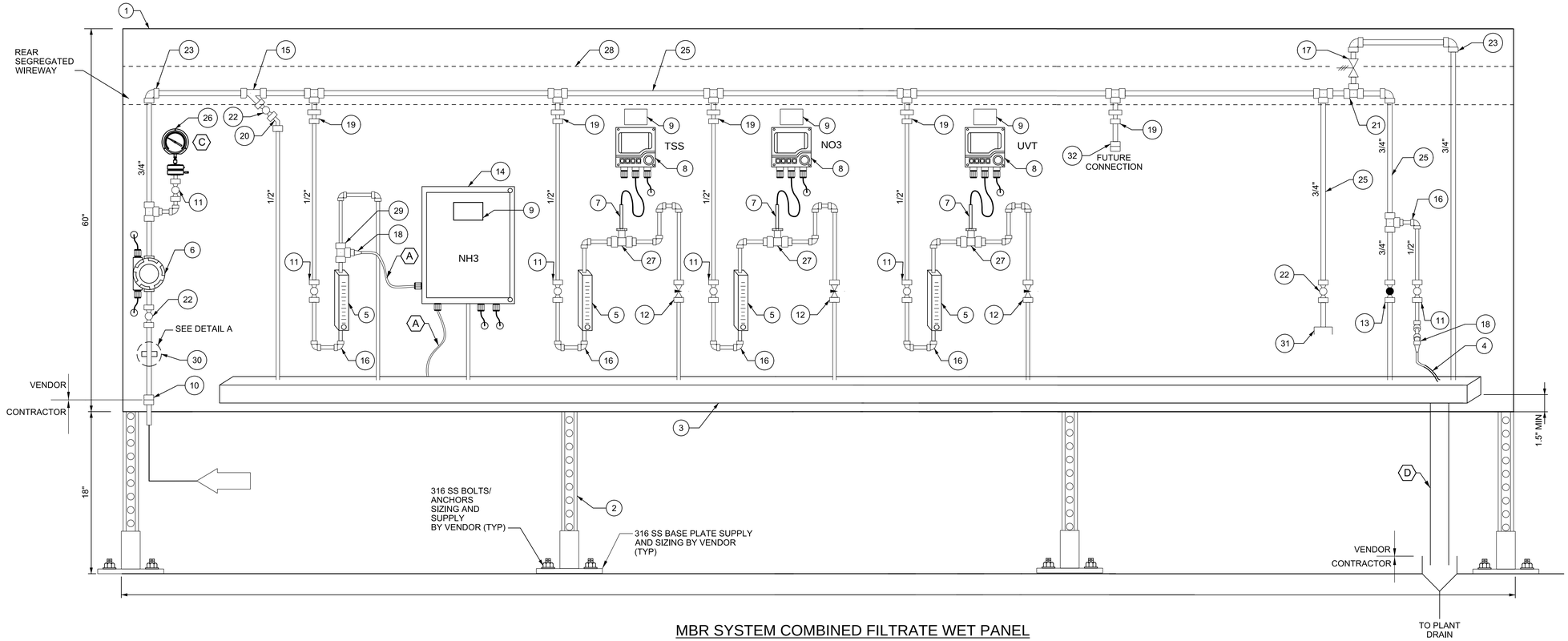
SPECIFICATIONS	DRAWINGS	OTHER
		True

PROPOSED SOLUTION

POTENTIAL COST IMPACT	POTENTIAL SCHEDULE IMPACT
No	No

RESPONSE

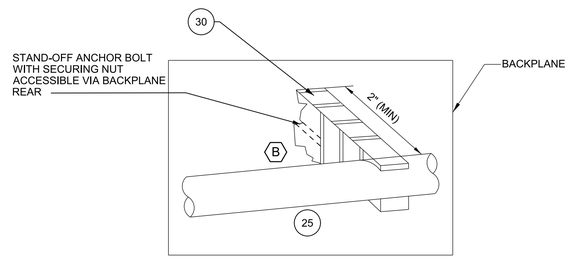
RESPONSE BY



MBR SYSTEM COMBINED FILTRATE WET PANEL

		BILL OF MATERIALS		
ITEM	QTY	DESCRIPTION	SUPPLY	MATERIAL / RATING (WATER)
1	1	3/4" THICK WET PANEL	SKID VENDOR	PVC
2	AR	3/4" x 1 1/2" UNISTRUT (WET PANEL SUPPORT)	SKID VENDOR	316 SS
3	1	4" x 4" DRAIN TROUGH ; BOTH ENDS SLOPED TO DRAIN (LENGTH AS REQUIRED)	SKID VENDOR	316 SS
4	AR	1/4" SAMPLING TUBE (BLACK)	SKID VENDOR	HDPE
5	3	ROTAMETER	MANF	SEE DATASHEET
6	1	THERMAL FLOW SWITCH	MANF	SEE DATASHEET
7	2	ANALYZER SENSOR WITH INTEGRAL SENSOR CABLE (24" LOOP)	MANF	SEE DATASHEET
8	2	TRANSMITTER	MANF	SEE DATASHEET
9	3	ANALYZER NAMEPLATE	MANF	SEE DATASHEET
10	1	3/4" FLANGE	SKID VENDOR	PVC
11	5	1/2" BALL VALVE, BARREL UNION TYPE	SKID VENDOR	PVC
12	2	1/2" NEEDLE VALVE, BARREL UNION TYPE	SKID VENDOR	PVC
13	1	3/4" GLOBE VALVE, BARREL UNION TYPE	SKID VENDOR	PVC
14	1	ANALYSIS PACKAGE WITH INTEGRAL SENSORS AND TRANSMITTER	MANF	SEE DATASHEET
15	1	3/4" Y-STRAINER	SKID VENDOR	PVC
16	18	1/2" 90 DEGREE ELBOW	SKID VENDOR	PVC

BILL OF MATERIALS				
ITEM	QTY	DESCRIPTION	SUPPLY	MATERIAL / RATING (WATER)
17	1	PRESSURE RELIEF VALVE	MANF	PVC
18	2	1/2" x 1/4" REDUCER	SKID VENDOR	316 SS
19	4	3/4" x 1/2" REDUCER	SKID VENDOR	PVC
20	1	45 DEGREE ELBOW 3/4" x 1/2" REDUCER	SKID VENDOR	PVC
21	8	3/4" TEE	SKID VENDOR	PVC
22	3	3/4" BALL VALVE, BARREL UNION TYPE	SKID VENDOR	PVC
23	4	3/4" 90 DEGREE ELBOW	SKID VENDOR	PVC
24	AR	1/2" PIPING	SKID VENDOR	PVC
25	AR	3/4" PIPING	SKID VENDOR	PVC
26	1	PRESSURE GAUGE WITH DIAPHRAM SEAL	MANF	SEE DATASHEET
27	2	CPVC SCH 80 INLINE FLOW THRU CELL WITH SENSOR MOUNTING ADAPTER	MANF	CPVC
28	AR	SEGREGATED SURFACE-MOUNT WIREWAY	SKID VENDOR	PVC
29	1	1/2" TEE	SKID VENDOR	PVC
30	AR	SUPPORT/ STAND-OFF CLIPS WITH INTERLOCKING POLYPROPYLENE SPACERS AS MANUFACTURE BY GF, KLIP-IT MODEL.	MANF	MANF
31	1	3/4 " QUICK COUPLING CONNECTOR	SKID VENDOR	THERMO PLASTIC
32	1	1/2" PLUG	SKID VENDOR	PVC



(DETAIL "A"
(TYPICAL SUPPORT/ STAND-OFF CLIP)

I-901 WET PANEL DETAILS

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AGENCY

REVIEW

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NO.	DESCRIPTION	BY	APP'L	DATE
A	REVISION	VBK	BH	08/08/2022

SPANISH FORK & MAPLETON WRF
SPANISH FORK CITY CORPORATION

INSTRUMENTATION AND CONTROL
INSTALLATION DETAILS - XVIII

FILE : 55-20-124_001-I918
JUB PROJ. # : 55-20-124
DRAWN BY: VBK
DESIGN BY: BH
CHECKED BY: SR
ONE INCH
AT FULL SIZE, IF NOT ONE INCH, SCALE ACCORDINGLY
LAST UPDATED: 8/9/2022

DRAWING:
00-I-918

SHEET: OF

Plot Date:8/9/2022 7:59 AM Plotted By:Herrera, Barbara
Date Created:8/9/2022 C:\USERS\BH\HERRERA\DESKTOP\55-20-124_001-I918.DWG