

City Creek Water Treatment Plant - BRIC

2200 City Creek Canyon Road
Salt Lake City, UT 84116

Haskell Project No. 6704187
90% GMP Bid Package

Addendum #4

TABLE OF CONTENTS

A. Attachments

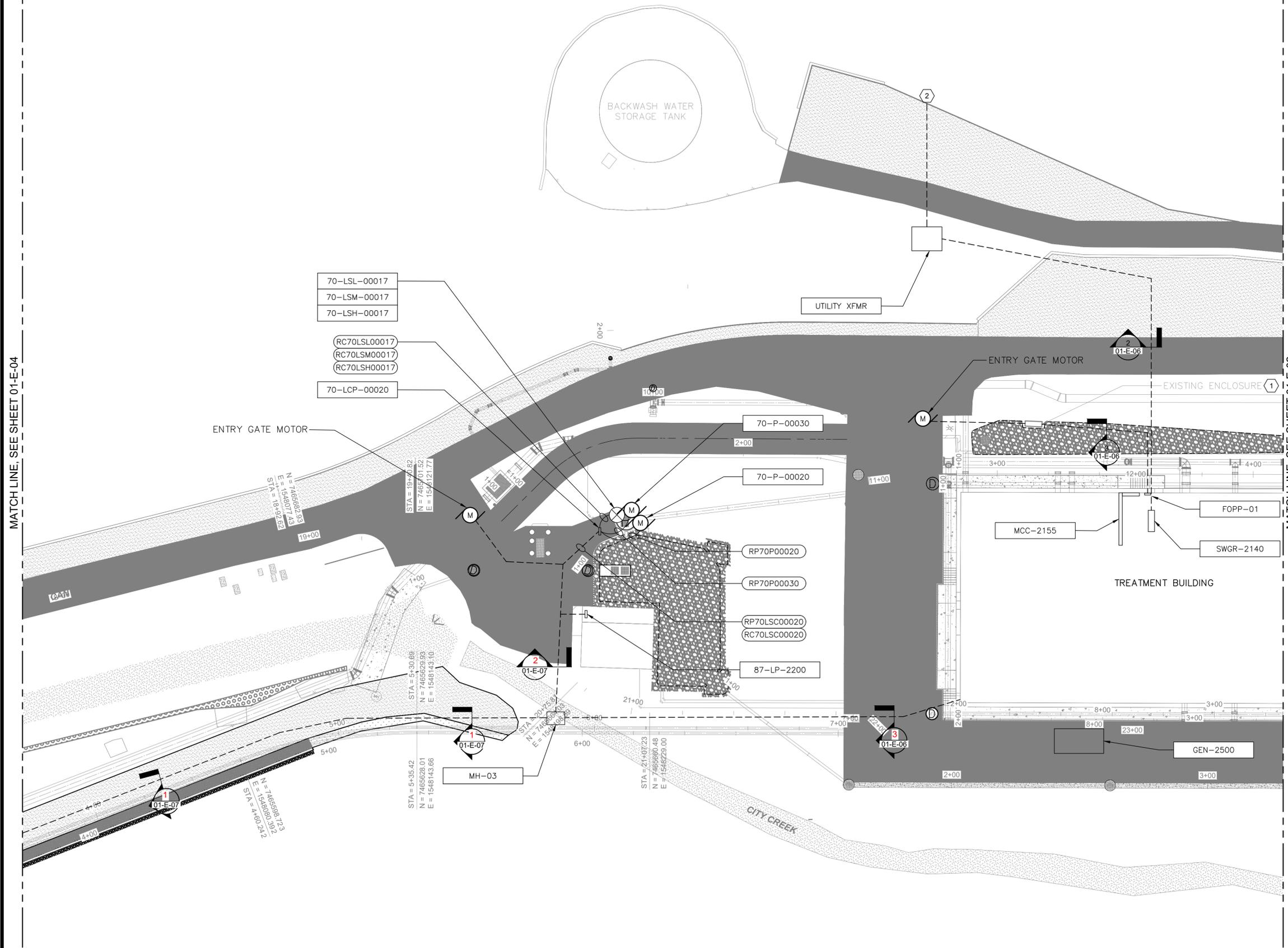
1. BRIC BOP GMP RFI Log_o8o224
 - RFI 142 Attachments
 - Markup 1 of 3
 - Markup 2 of 3
 - Markup 3 of 3
 - RFI 145 Attachment
 - Markup
 - RFI 198 Attachment
 - Panel and Transformer Conduit and Cable Markups
 - RFI 262 Attachment
 - Capture-North Side 10-in Drain line

B. Clarifications

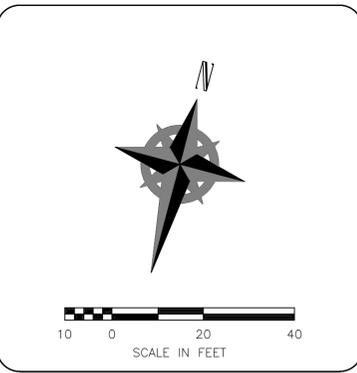
- a. The Bid Form for 32 12 16: Paving and Concrete Flatwork has been revised to include a unit price for repair of City Creek Canyon Road.

*Please acknowledge you've received this addendum in your proposal.

MATCH LINE, SEE SHEET 01-E-04



MATCH LINE, SEE SHEET 01-E-02



- KEYNOTES:**
- TIE IN TO EXISTING FIBER OPTIC CABLES WITH NEW FIBER OPTIC PATCH PANEL IN EXISTING JUNCTION BOX.
 - FROM OVERHEAD UTILITY POLES

Brown and Caldwell

SALT LAKE CITY DEPARTMENT OF PUBLIC UTILITIES
 CITY CREEK TREATMENT PLANT UPGRADES
 BRIC PACKAGE
ELECTRICAL SITE PLAN - AREA 2

DESIGNED BY: D.STAR
 DRAWN BY: N.ANDERSON
 CHECKED BY: D.STAR
 APPROVED BY: D.STAR
 DATE: JUNE 2024
 EMO NO: ---
 ACCOUNT NO: 512260079

SCALE: _____

REVISIONS

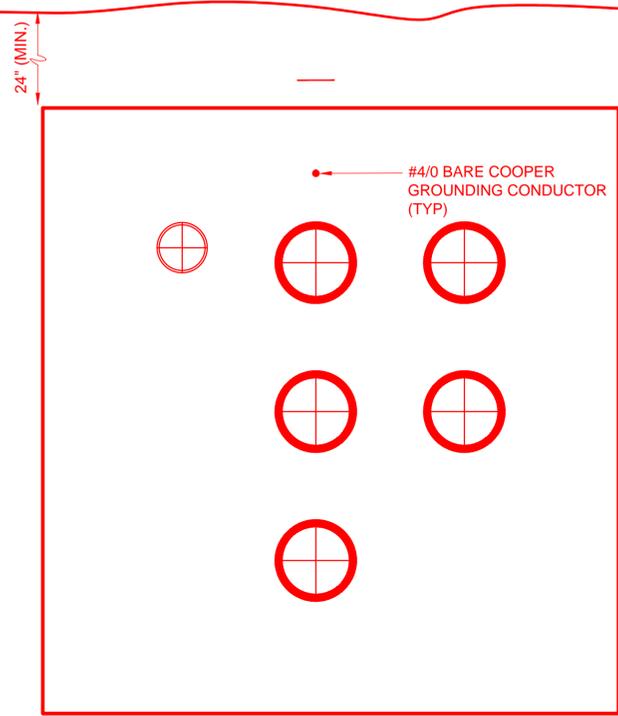
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MADE BY: DS
 AUTH BY: DS

90% GMP

DRAWING NO.
01-E-03

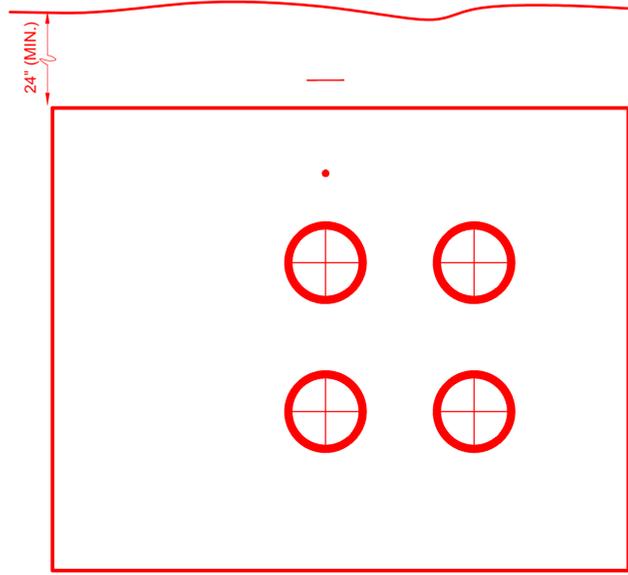
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S= 25.2" W X 33.0" H (5-3"C, 1-2"C)
DB-01

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RP70SWGR2140F	RP70SWGR2140G
RP70SWGR2140H	RP01ATS

1
01-E-02

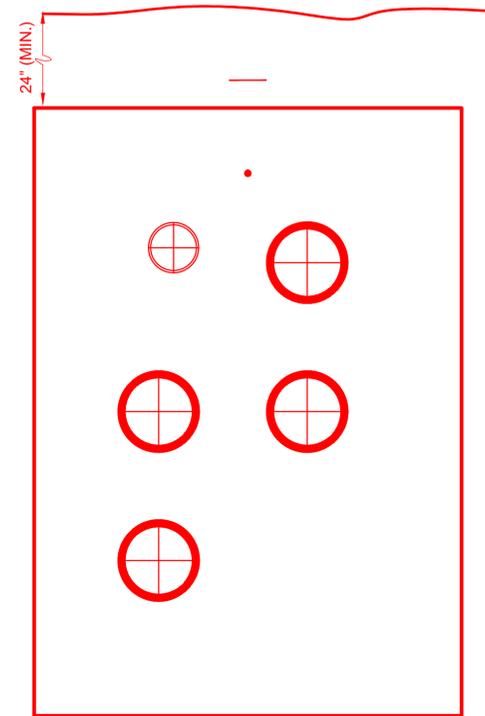


S= 25.2" W X 33.0" H (4-3"C)

DB-02

RP70SWGR2140A	RP70SWGR2140C
RP70SWGR2140B	RP70SWGR2140D

2
01-E-02



S= 18.7" W X 33.0" H (4-3"C, 1-2"C)

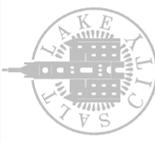
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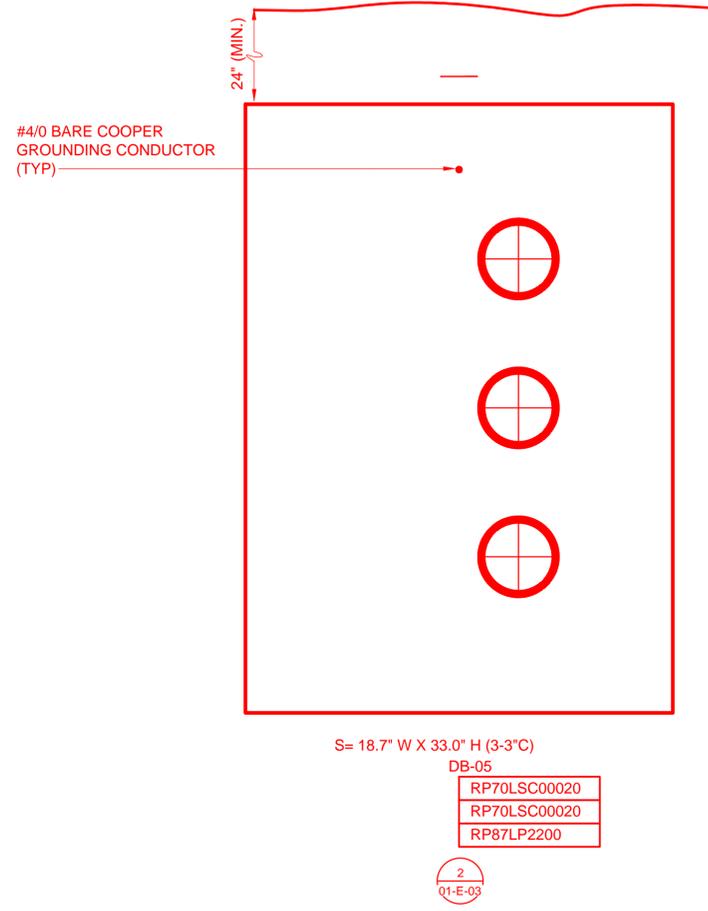
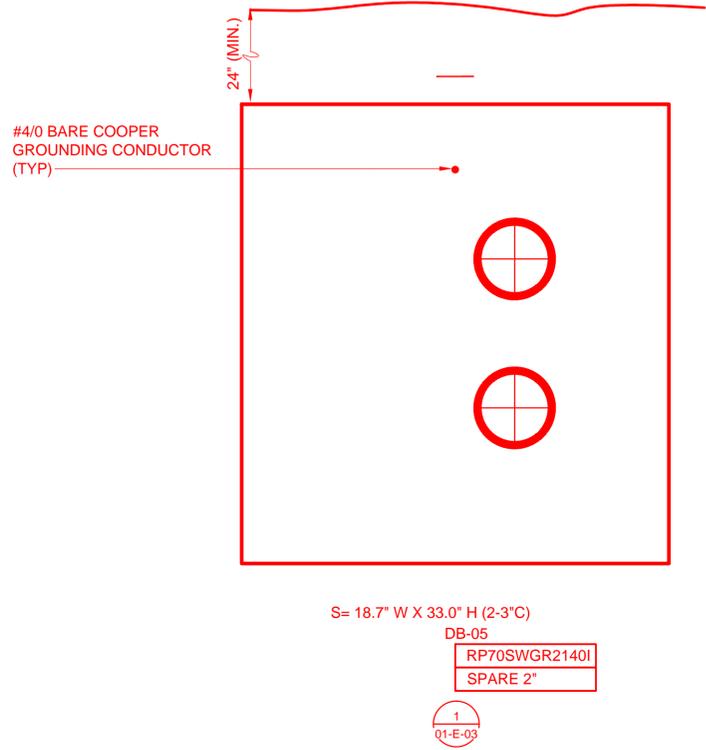
RP70LSC00020	RP70SWGR2140I
RC70LSC00020	SPARE 2"
RP87LP2200	

3
01-E-03

SHEET NOTES

Brown and Caldwell

SALT LAKE CITY DEPARTMENT OF PUBLIC UTILITIES													
CITY CREEK TREATMENT PLANT UPGRADES													
BRIC PACKAGE													
DUCTBANK SECTIONS 1													
													
													
DRAWING NO. 01-E-06													
DESIGNED BY: N.ANDERSON DRAWN BY: N.ANDERSON CHECKED BY: J.STAR APPROVED BY: J.STAR DATE: JUNE 2024 EMO NO: --- ACCOUNT NO: 512260079	SCALE: _____ VERIFY SCALE BAR IS ONE INCH ON ORIGINAL DRAWING												
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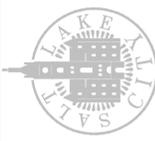


SHEET NOTES

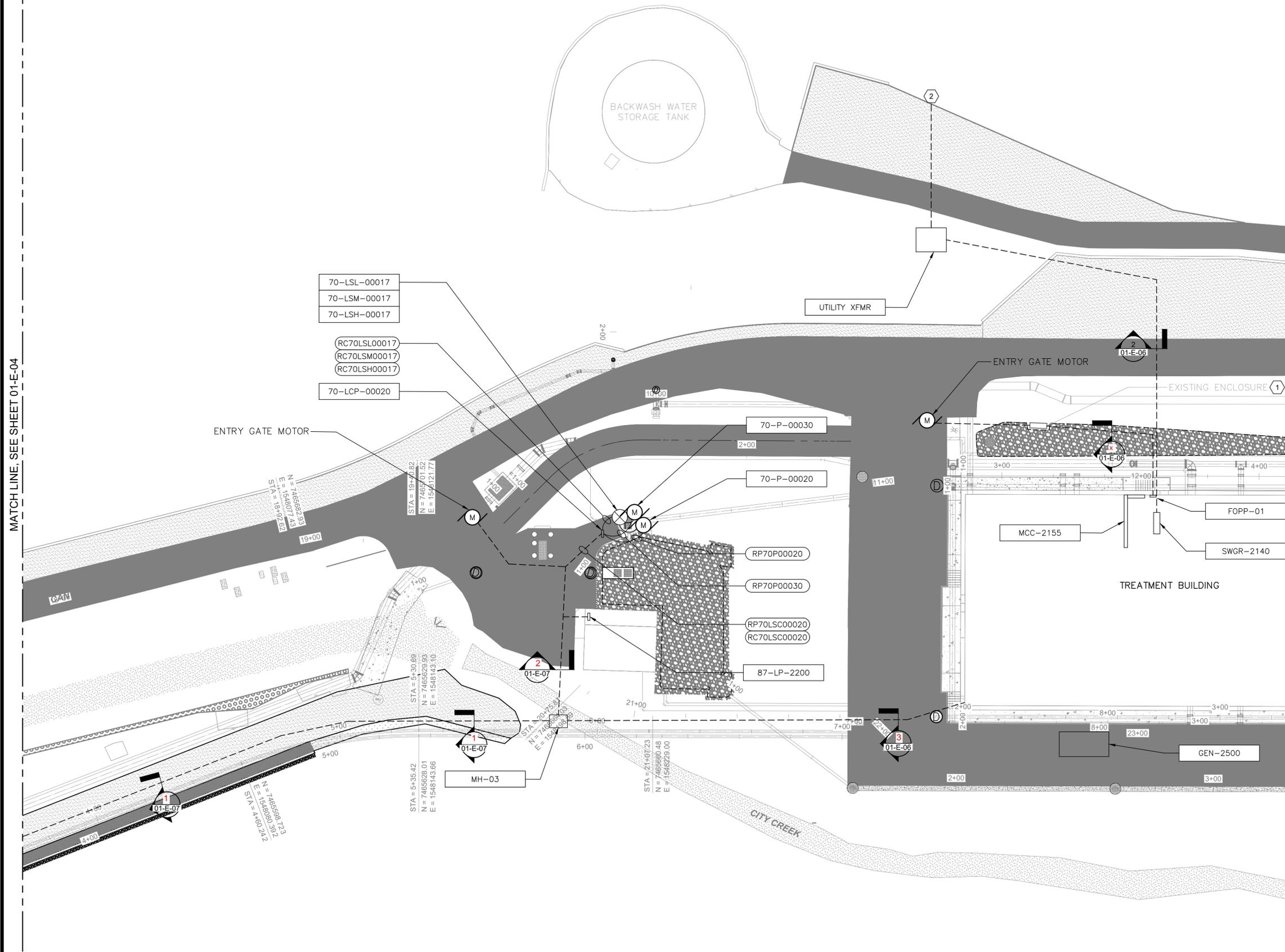
Brown and Caldwell

90% GMP

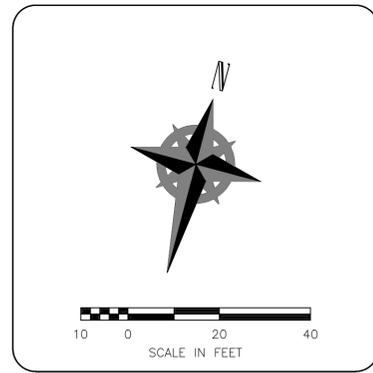
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CHECKED BY: J.STAR		APPROVED BY: J.STAR		VERIFY SCALE	
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REVISIONS		MADE BY		AUTH BY	
0 06/14/24		DS DS		DS DS	

MATCH LINE, SEE SHEET 01-E-04



MATCH LINE, SEE SHEET 01-E-02



- KEYNOTES:**
1. TIE IN TO EXISTING FIBER OPTIC CABLES WITH NEW FIBER OPTIC PATCH PANEL IN EXISTING JUNCTION BOX.
 2. FROM OVERHEAD UTILITY POLES

DESIGNED BY: D.STAR		SCALE:	
DRAWN BY: N.ANDERSON			
APPROVED BY: D.STAR		VERIFY SCALE	
DATE: JUNE 2024		BAR IS ONE INCH ON ORIGINAL DRAWING	
EWO NO: ---			
ACCOUNT NO: 512260079			

NO.	DATE	ISSUED FOR	GUARANTEE	MAXIMUM PRICE (GMP)
0	06/14/24			

REVISIONS

MADE BY	DATE	ISSUED FOR	GUARANTEE	MAXIMUM PRICE (GMP)
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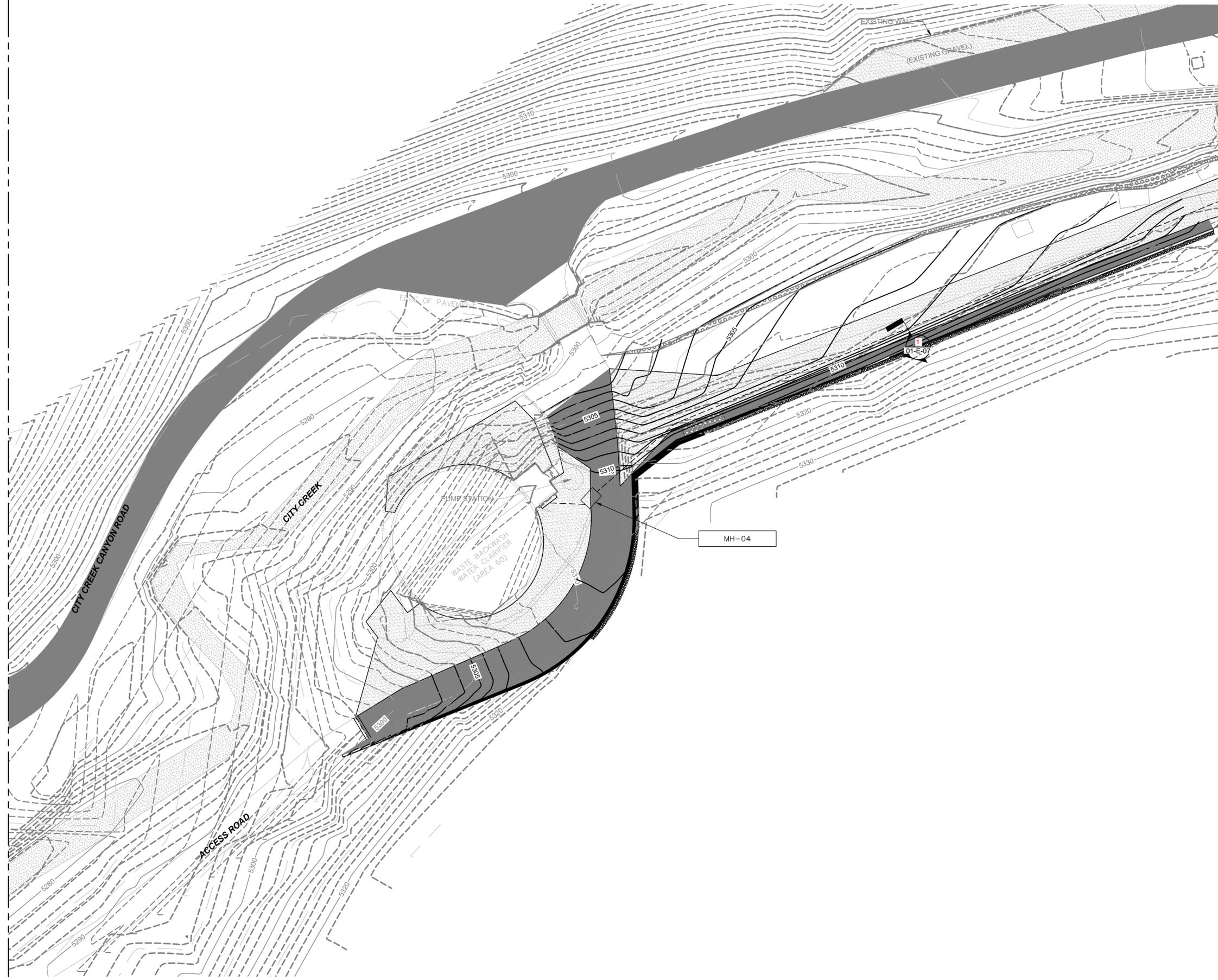
SALT LAKE CITY DEPARTMENT OF PUBLIC UTILITIES
 CITY CREEK TREATMENT PLANT UPGRADES
 BRIC PACKAGE
ELECTRICAL SITE PLAN - AREA 2

Brown and Caldwell

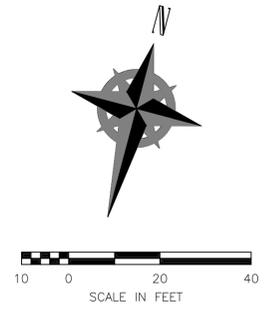
90% GMP

DRAWING NO.
01-E-03

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MATCH LINE, SEE SEE DRAWING 01-E-03



Brown and Caldwell

SALT LAKE CITY DEPARTMENT OF PUBLIC UTILITIES
 CITY CREEK TREATMENT PLANT UPGRADES
 BRIC PACKAGE
**ELECTRICAL SITE PLAN -
 AREA 3**



90% GMP

DRAWING NO.
01-E-04

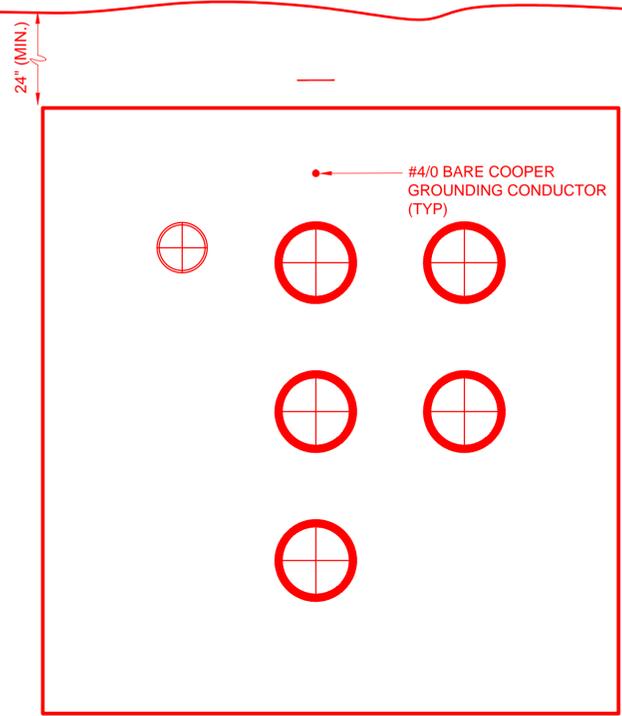
REVISIONS

NO.	DATE	ISSUED FOR GUARANTEE MAXIMUM PRICE (GMP)	MADE BY	APPR. BY
0	06/14/24		DS	DS

DESIGNED BY: D.STAR
 DRAWN BY: N.ANDERSON
 CHECKED BY: D.STAR
 APPROVED BY: D.STAR
 DATE: JUNE 2024
 EWO NO: --
 ACCOUNT NO: 512260079

VERIFY SCALE
 BAR IS ONE INCH ON ORIGINAL DRAWING

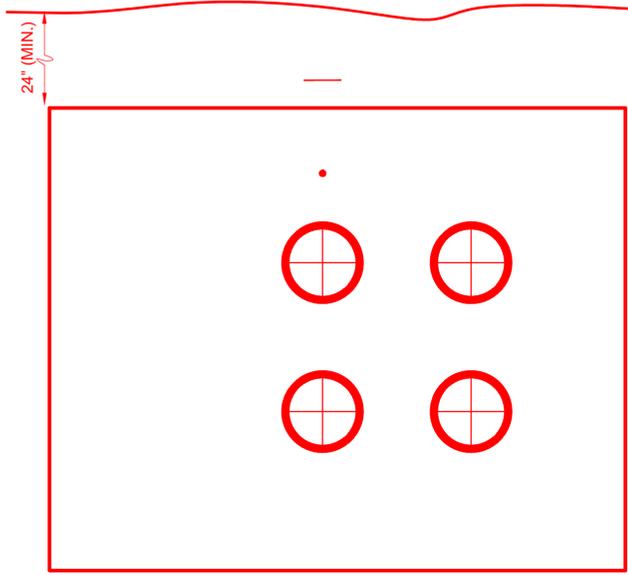
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DB-01

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RP70SWGR2140F	RP70SWGR2140G
RP70SWGR2140H	RP01ATS

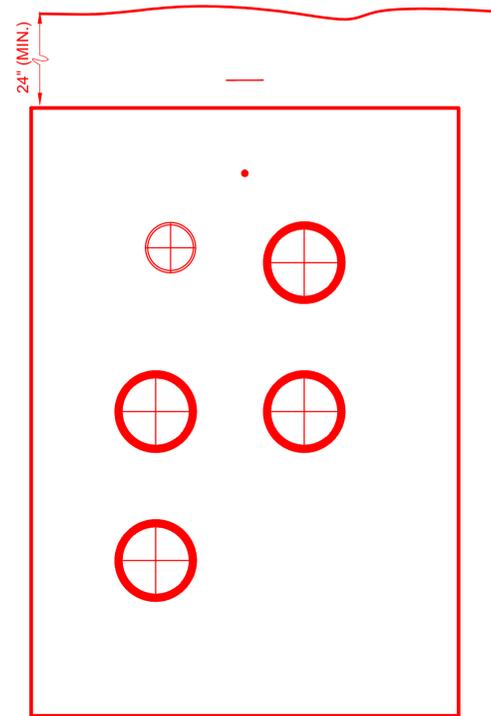
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01-E-02



DB-02

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RP70SWGR2140B	RP70SWGR2140D

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01-E-02



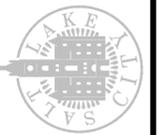
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RC70LSC00020	SPARE 2"
RP87LP2200	

3
01-E-03

SHEET NOTES

SALT LAKE CITY DEPARTMENT OF PUBLIC UTILITIES
CITY CREEK TREATMENT PLANT UPGRADES
BRIC PACKAGE
DUCTBANK SECTIONS 1



90% GMP

DRAWING NO.
01-E-06

Brown and Caldwell

REVISIONS

NO.	DATE	ISSUED FOR	GUARANTEE	MAXIMUM PRICE (GMP)
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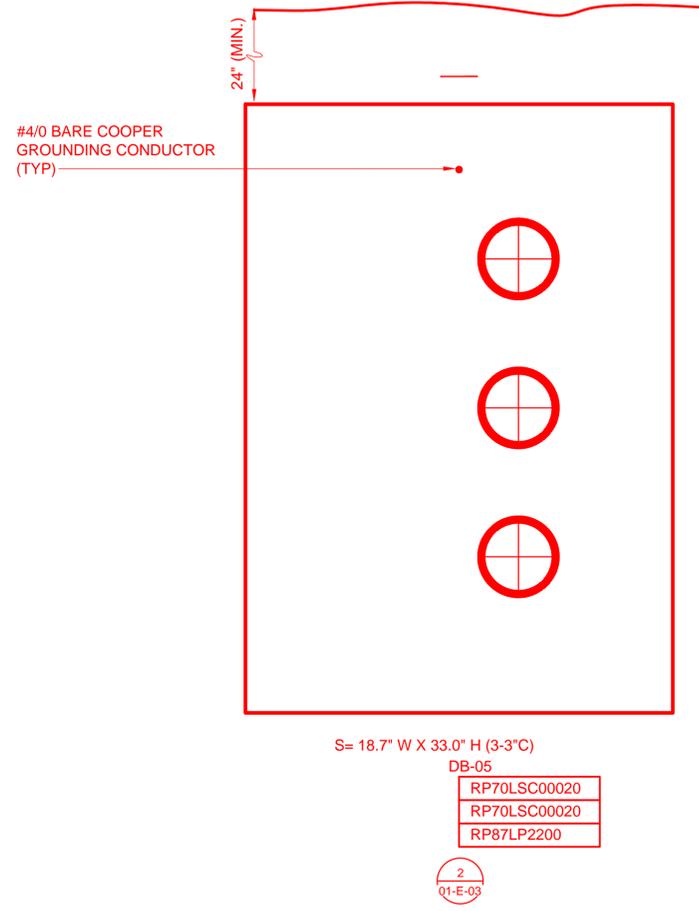
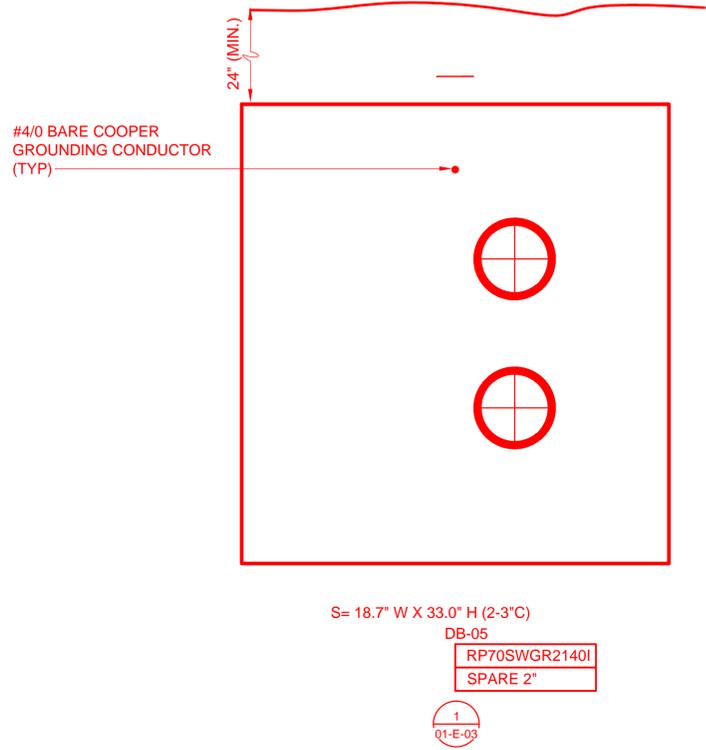
MADE BY	DS

AUTH BY	DS

DESIGNED BY: N.ANDERSON
DRAWN BY: N.ANDERSON
CHECKED BY: J.STAR
APPROVED BY: J.STAR
DATE: JUNE 2024
EWO NO: ---
ACCOUNT NO: 512260079

SCALE:

VERIFY SCALE
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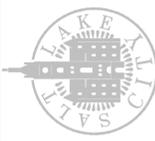


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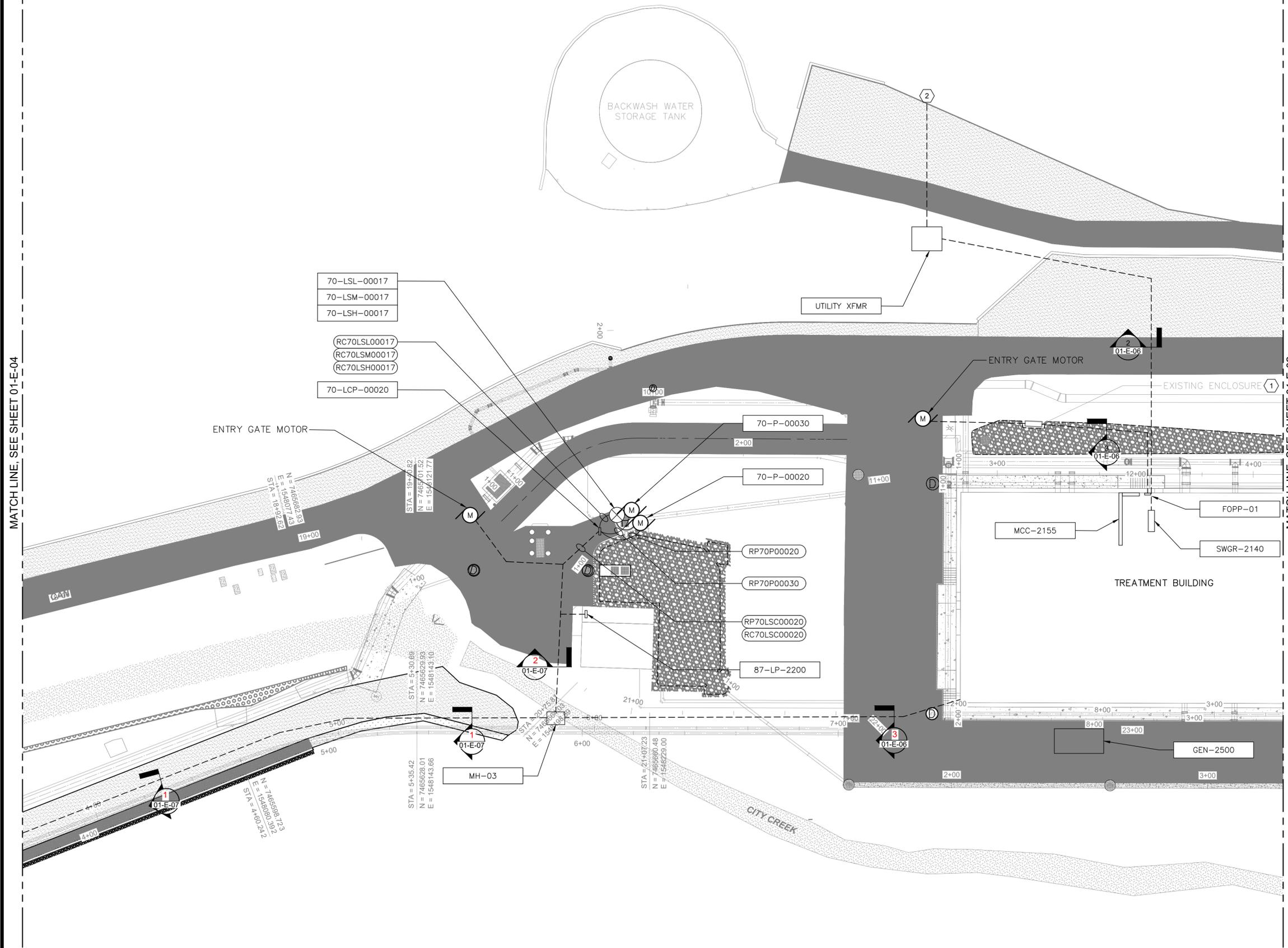
Brown and Caldwell

90% GMP

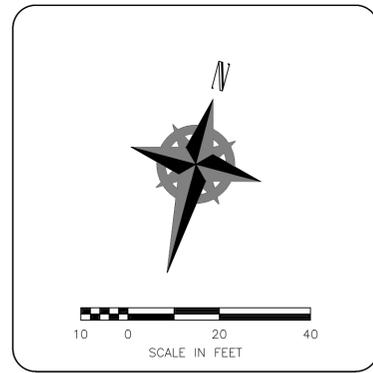
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				DRAWING NO. 01-E-07			
SALT LAKE CITY DEPARTMENT OF PUBLIC UTILITIES CITY CREEK TREATMENT PLANT UPGRADES BRIC PACKAGE DUCTBANK SECTIONS 2		REVISIONS NO. DATE MADE BY AUTH BY 0 06/14/24 ISSUED FOR GUARANTEE MAXIMUM PRICE (GMP) DS DS		DESIGNED BY: N.ANDERSON DRAWN BY: N.ANDERSON CHECKED BY: J.STAR APPROVED BY: J.STAR DATE: JUNE 2024 EWO NO: --- ACCOUNT NO: 512260079		SCALE: _____ VERIFY SCALE BAR IS ONE INCH ON ORIGINAL DRAWING	

MATCH LINE, SEE SHEET 01-E-04



MATCH LINE, SEE SHEET 01-E-02



- KEYNOTES:**
1. TIE IN TO EXISTING FIBER OPTIC CABLES WITH NEW FIBER OPTIC PATCH PANEL IN EXISTING JUNCTION BOX.
 2. FROM OVERHEAD UTILITY POLES

Brown and Caldwell

SALT LAKE CITY DEPARTMENT OF PUBLIC UTILITIES
 CITY CREEK TREATMENT PLANT UPGRADES
 BRIC PACKAGE
ELECTRICAL SITE PLAN - AREA 2

DESIGNED BY: D.STAR
 DRAWN BY: N.ANDERSON
 CHECKED BY: D.STAR
 APPROVED BY: D.STAR
 DATE: JUNE 2024
 EMO NO: ---
 ACCOUNT NO: 512260079

SCALE: _____

REVISIONS

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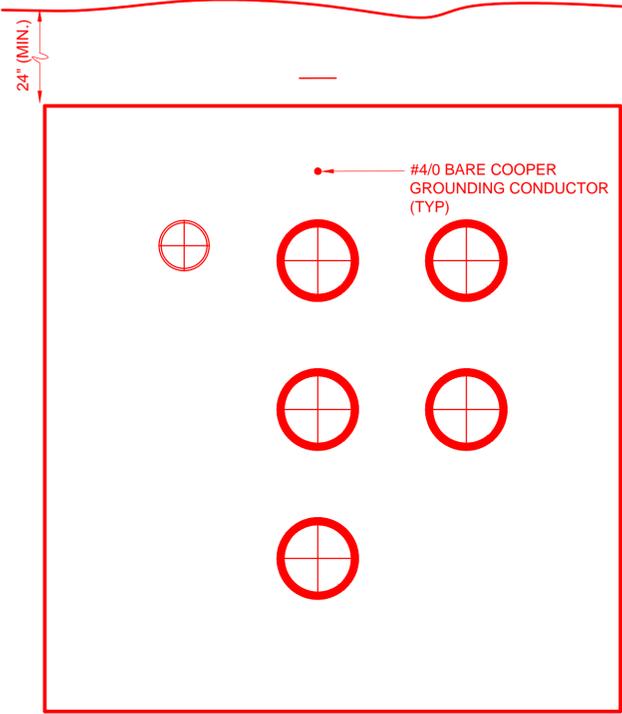
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90% GMP

DRAWING NO.
01-E-03

VERIFY SCALE
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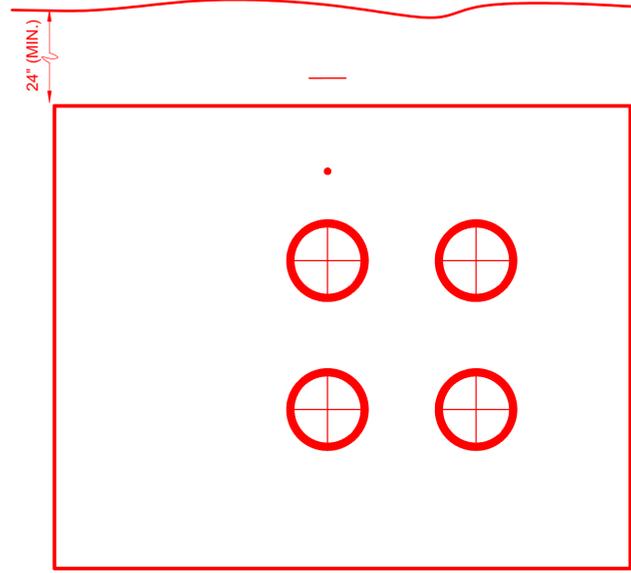
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S= 25.2" W X 33.0" H (5-3°C, 1-2°C)
DB-01

RC01GEN2500B	RP70SWGR2140E
RP70SWGR2140F	RP70SWGR2140G
RP70SWGR2140H	RP01ATS

1
01-E-02

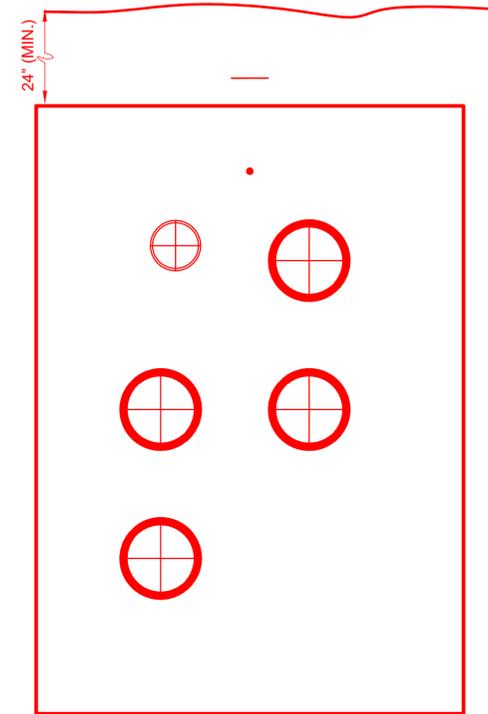


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DB-02

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01-E-02



S= 18.7" W X 33.0" H (4-3°C, 1-2°C)

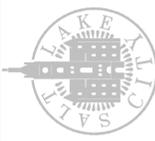
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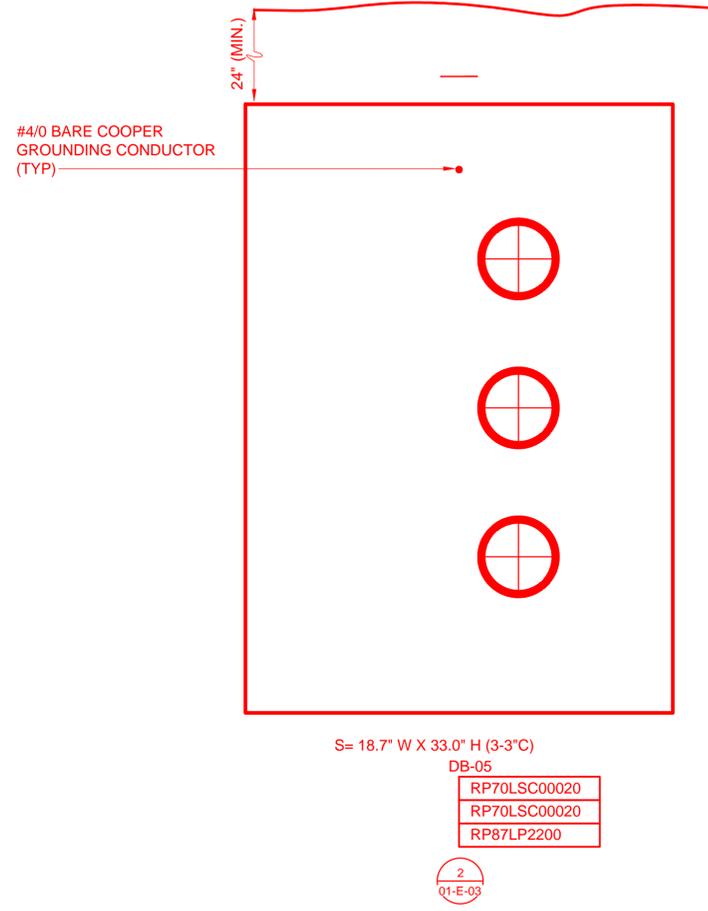
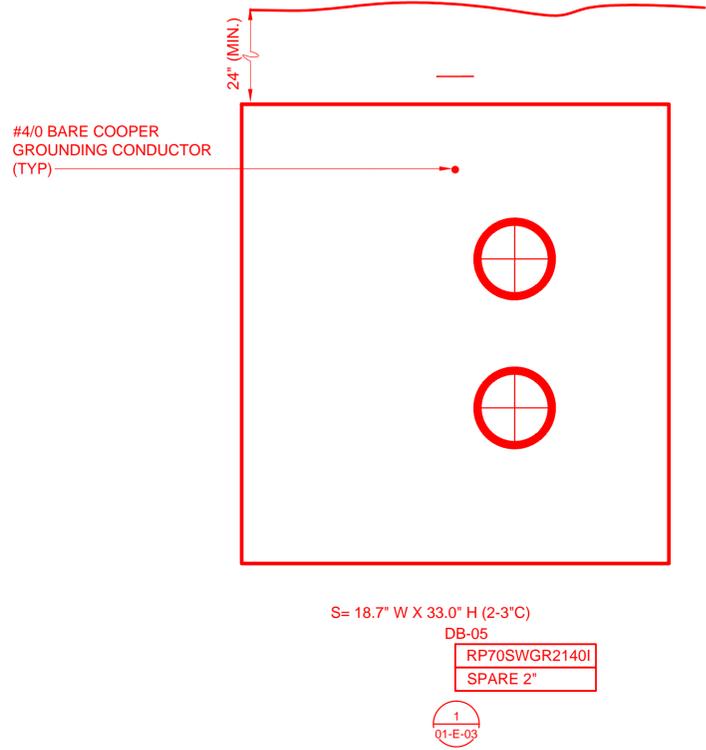
RP70LSC00020	RP70SWGR2140I
RC70LSC00020	SPARE 2"
RP87LP2200	

3
01-E-03

SHEET NOTES

Brown and Caldwell

SALT LAKE CITY DEPARTMENT OF PUBLIC UTILITIES		CITY CREEK TREATMENT PLANT UPGRADES BRIC PACKAGE		DUCTBANK SECTIONS 1	
				DRAWING NO. 01-E-06	
DESIGNED BY: N.ANDERSON DRAWN BY: N.ANDERSON CHECKED BY: J.STAR APPROVED BY: J.STAR DATE: JUNE 2024 EWO NO: --- ACCOUNT NO: 512260079		REVISIONS NO. DATE 0 06/14/24 ISSUED FOR GUARANTEE MAXIMUM PRICE (GMP)		SCALE: VERIFY SCALE BAR IS ONE INCH ON ORIGINAL DRAWING	

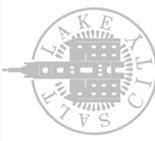


SHEET NOTES

Brown and Caldwell

90% GMP

DRAWING NO. **01-E-07**

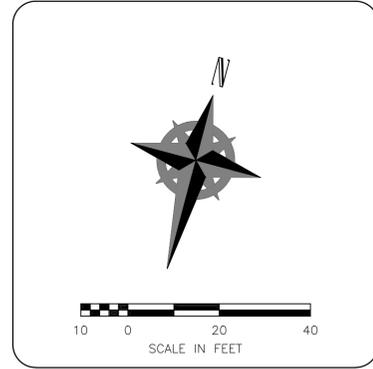
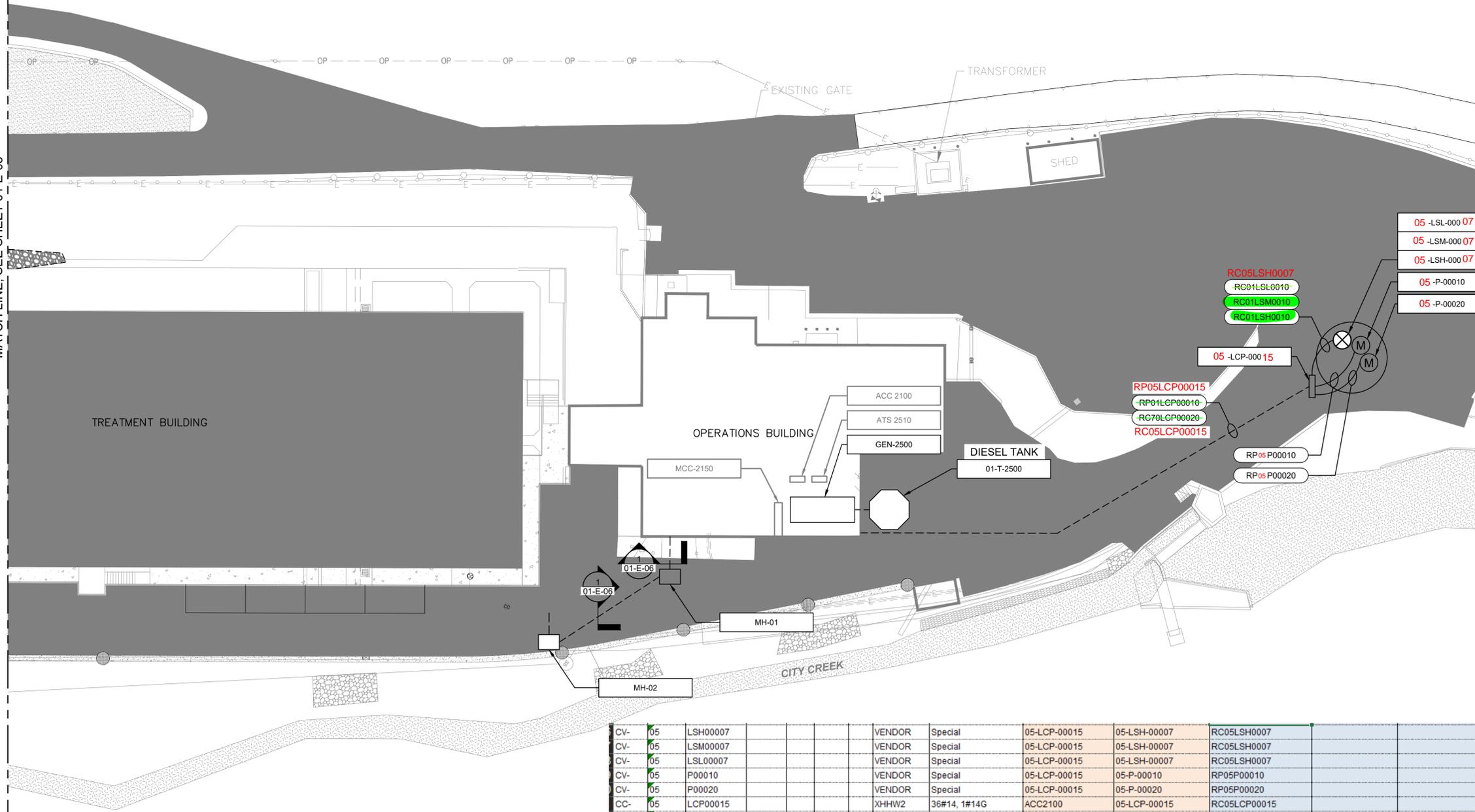
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CHECKED BY: J.STAR		APPROVED BY: J.STAR		VERIFY SCALE	
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REVISIONS		MADE BY		AUTH BY	
0 06/14/24		DS DS		DS DS	

10	equipment number					TYPE	CONDUCTORS	CABLE FROM	CABLE TO	VIA	PLAN DRAWING	COMMENTS
11	3	1	2	4	5							
12	CP-	70	SWGR2140	A		XHHW2	3#500, 1#350G	UTILITY TRANSFORMER	SWGR-2140	RP70SWGR2140A	70-E-	SWITCHGEAR Utility Feed
13	CP-	70	SWGR2140	B		XHHW2	3#500, 1#350G	UTILITY TRANSFORMER	SWGR-2140	RP70SWGR2140B	70-E-	SWITCHGEAR Utility Feed
14	CP-	70	SWGR2140	C		XHHW2	3#500, 1#350G	UTILITY TRANSFORMER	SWGR-2140	RP70SWGR2140C	70-E-	SWITCHGEAR Utility Feed
15	CP-	70	SWGR2140	D		XHHW2	3#500, 1#350G	UTILITY TRANSFORMER	SWGR-2140	RP70SWGR2140D	70-E-	SWITCHGEAR Utility Feed
17	CP-	70	SWGR2140	E		XHHW2	3#500, 1#350G	GEN-2500	SWGR-2140	RP70SWGR2140E	70-E-	SWITCHGEAR GENERATOR FEED
18	CP-	70	SWGR2140	F		XHHW2	3#500, 1#350G	GEN-2500	SWGR-2140	RP70SWGR2140F	70-E-	SWITCHGEAR GENERATOR FEED
19	CP-	70	SWGR2140	G		XHHW2	3#500, 1#350G	GEN-2500	SWGR-2140	RP70SWGR2140G	70-E-	SWITCHGEAR GENERATOR FEED
20	CP-	70	SWGR2140	H		XHHW2	3#500, 1#350G	GEN-2500	SWGR-2140	RP70SWGR2140H	70-E-	SWITCHGEAR GENERATOR FEED
3	CP-	01	ATS			XHHW2	3#350, 1#10G	SWGR-2140	ATS	RP01ATS	01-E-02	OPERATIONS BUILDING ATS
4	CP-	70	LCP00020			TCER	3#12, 1#12G	MCC-2155	70-LCP-00020	RP70LCP00020	70-E-03	CLEARWELL STRUCTRAL UNDERDRAIN PUMP 1 & 2
5	CV-	70	P00020			VENDOR	Special	70-DS-00020A	70-P-00020	RP70P00020	70-E-03	CLEARWELL STRUCTRAL UNDERDRAIN PUMP 1
6	CV-	70	P00030			VENDOR	Special	70-DS-00030	70-P-00030	RP70P00030	70-E-03	CLEARWELL STRUCTRAL UNDERDRAIN PUMP 2
7	CC-	70	LCP00020			XHHW2	36#14, 1#14G	70-PLC-9000	70-LCP-00020	RC70LCP00020		CLEARWELL STRUCTRAL UNDERDRAIN PUMP 1 & 2 CONTROLS
8	CV-	70	LSH00017			XHHW2	2#14, 1#14G	70-LCP-00020	70-LSH-00017	RC70LSH00017		CLEARWELL STRUCTRAL UNDERDRAIN LEVEL SWITCH
9	CV-	70	LSM00017			XHHW2	2#14, 1#14G	70-LCP-00020	70-LSH-00017	RC70LSH00017		CLEARWELL STRUCTRAL UNDERDRAIN LEVEL SWITCH
10	CV-	70	LSL00017			XHHW2	2#14, 1#14G	70-LCP-00020	70-LSH-00017	RC70LSH00017		CLEARWELL STRUCTRAL UNDERDRAIN LEVEL SWITCH
11	CC-	01	GEN2500	A		XHHW2	2#14, 1#14G	ACC2100	GEN-2500	RC01GEN2500A	03-E-01	GENERATOR FAULT
12	CC-	01	GEN2500	B		XHHW2	18#14, 1#14G	SWGR2140	GEN-2500	RC01GEN2500B	03-E-01	GENERATOR SWITCHGEAR CONTROLS
13	CP-	87	LP-2200			XHHW2	3#1, 1#6G	MCC-2155	87-LP-2200	RP87LP2200	87-E-01	FLUORIDE BUILDING CONDENSING UNIT POWER
14	CP-	70	SWGR2140A			XHHW2	3#4/0, 1#2G	SWGR-2140	CLARIFIER	RP70SWGR2140I	01-E-02	TREATMENT BUILDING TO CLAIRIFIER

RP70SWGR2140A	4	Raceway	CP-70SWGR2140A	UTILITY TRANSFORMER	SWGR-2140
RP70SWGR2140B	4	Raceway	CP-70SWGR2140B	UTILITY TRANSFORMER	SWGR-2140
RP70SWGR2140C	4	Raceway	CP-70SWGR2140C	UTILITY TRANSFORMER	SWGR-2140
RP70SWGR2140D	4	Raceway	CP-70SWGR2140D	UTILITY TRANSFORMER	SWGR-2140
RP70SWGR2140E	3-1/2	Raceway	CP-70SWGR2140E	GEN-2500	SWGR-2140
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RP70SWGR2140G	3-1/2	Raceway	CP-70SWGR2140G	GEN-2500	SWGR-2140
RP70SWGR2140H	3-1/2	Raceway	CP-70SWGR2140H	GEN-2500	SWGR-2140
RP70SWGR2140I	2	Raceway	CP-70SWGR2140A	SWGR-2140	CLARIFIER
RP01ATS	3	Raceway	CP-01ATS	SWGR-2140	ATS
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RC70LCP00020	1-1/2	Raceway	CC-70LCP00020	70-PLC-9000	70-LCP-00020
RC01GEN2500A	3/4	Raceway	CC-01GEN2500A	ACC2100	GEN-2500
RC01GEN2500B	2	Raceway	CC-01GEN2500B	SWGR2140	GEN-2500
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MATCH LINE, SEE SHEET 01-E-03



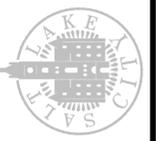
CV-	05	LSH00007			VENDOR	Special	05-LCP-00015	05-LSH-00007	RC05LSH0007					01-E-02
CV-	05	LSM00007			VENDOR	Special	05-LCP-00015	05-LSH-00007	RC05LSH0007					01-E-02
CV-	05	LSL00007			VENDOR	Special	05-LCP-00015	05-LSH-00007	RC05LSH0007					01-E-02
CV-	05	P00010			VENDOR	Special	05-LCP-00015	05-P-00010	RP05P00010					01-E-02
CV-	05	P00020			VENDOR	Special	05-LCP-00015	05-P-00020	RP05P00020					01-E-02
CC-	05	LCP00015			XHHW2	36#14, 1#14G	ACC2100	05-LCP-00015	RC05LCP00015					01-E-02
CP-	05	LCP00015			XHHW2	3#12, 1#12G	MCC-2150	05-LCP-00015	RP05LCP00015					01-E-02

DESIGNED BY: J.STAR
 DRAWN BY: N.ANDERSON
 CHECKED BY: J.STAR
 APPROVED BY: J.STAR
 DATE: JUNE 2024
 EMO NO: --
 ACCOUNT NO: 512260079

REVISIONS

NO.	DATE	ISSUED FOR	GUARANTEE	MAXIMUM PRICE (GMP)
0	06/14/24	ISSUED FOR	GUARANTEE	MAXIMUM PRICE (GMP)

SALT LAKE CITY DEPARTMENT OF PUBLIC UTILITIES
 CITY CREEK TREATMENT PLANT UPGRADES
 BRIC PACKAGE
ELECTRICAL SITE PLAN - AREA 1



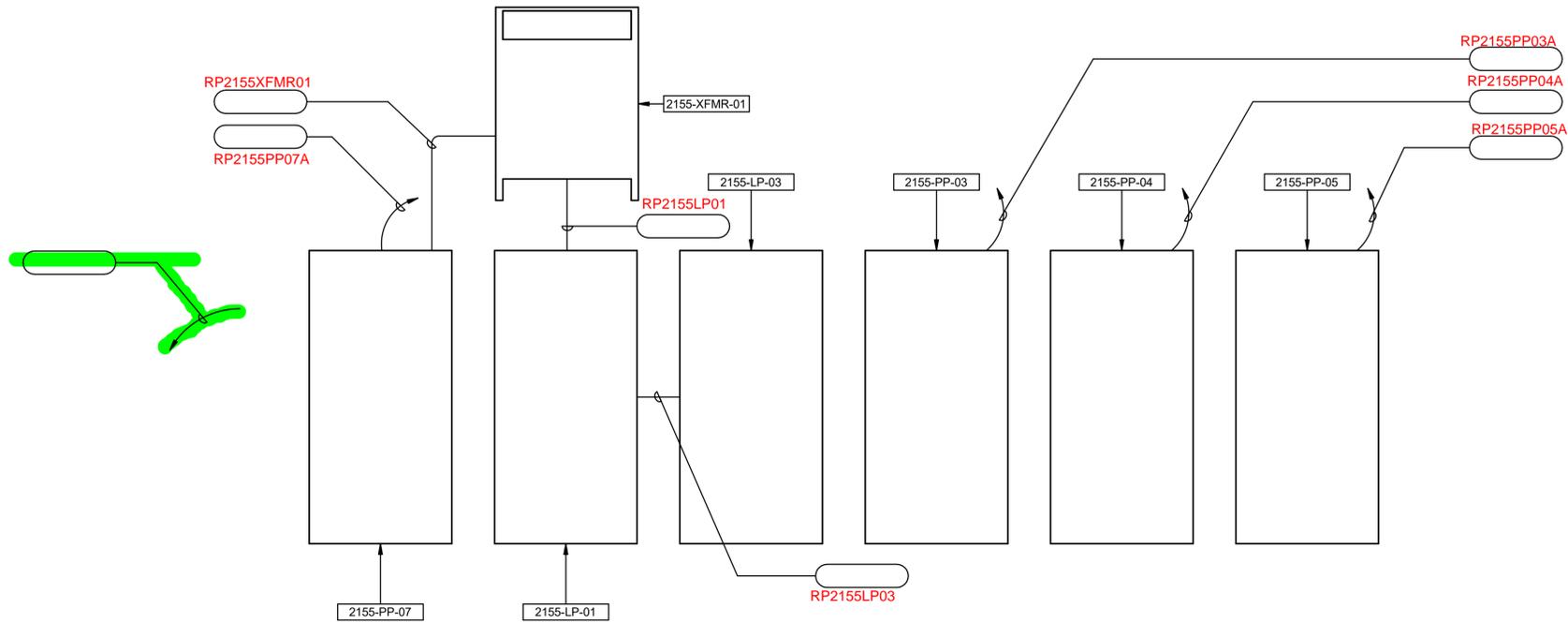
90% GMP

DRAWING NO.
01-E-02

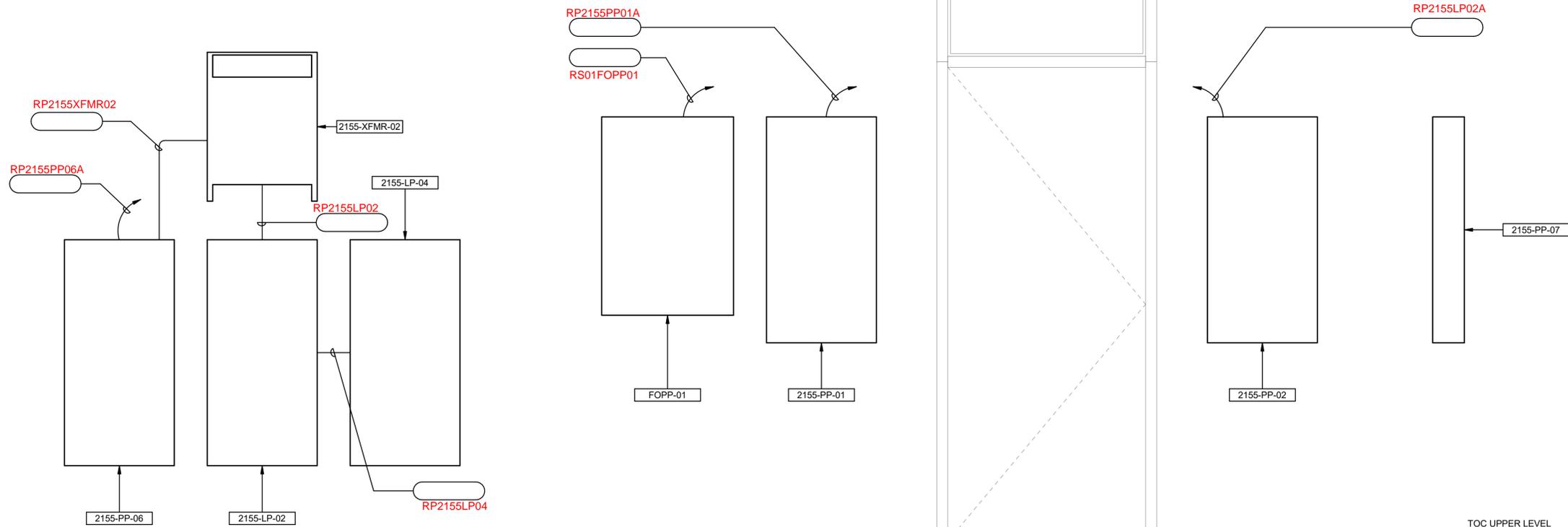
Brown and Caldwell

SCALE:
 VERIFY SCALE
 BAR IS ONE INCH ON ORIGINAL DRAWING

Plot Date: 6/12/2024 3:58:49 PM Path: R:\M_360\153020 - City Creek WTP\153020-E-3570V21.rvt



1 ELECTRICAL ROOM EAST WALL
70-E-10 SCALE: 1" = 1'-0"



2 ELECTRICAL ROOM SOUTH WALL
70-E-10 SCALE: 1" = 1'-0"

3 ELECTRICAL ROOM NORTH WALL
70-E-10 SCALE: 1" = 1'-0"

TOC UPPER LEVEL
BASINS
5336' - 8"

Brown and Caldwell

SALT LAKE CITY DEPARTMENT OF PUBLIC UTILITIES
CITY CREEK TREATMENT PLANT UPGRADES
BRIC PACKAGE
CLEARWELL - SECTIONS 1

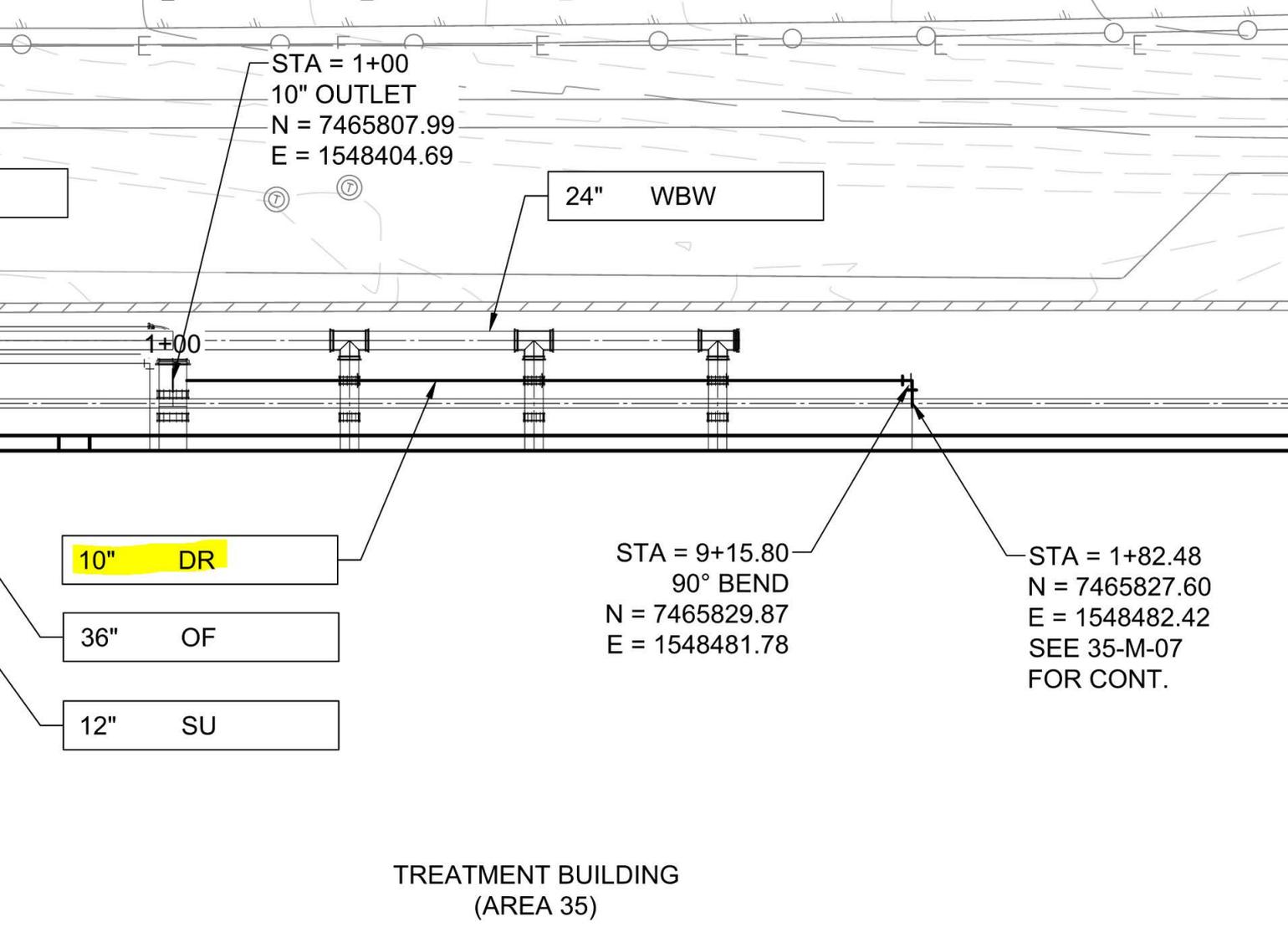


90% GMP

DRAWING NO.
70-E-13

REVISIONS		DESIGNED BY: N.ANDERSON	SCALE:
NO.	DATE	ISSUED FOR GUARANTEE MAXIMUM PRICE (GMP)	DESIGNED BY: N.ANDERSON
0	06/14/24		DRAWN BY: N.ANDERSON
			CHECKED BY: D.STAR
			APPROVED BY: D.STAR
			DATE: JUNE 2024
			EWO NO: ---
			ACCOUNT NO: 512260079

VERIFY SCALE
BAR IS ONE INCH ON
ORIGINAL DRAWING



STA = 1+00
10" OUTLET
N = 7465807.99
E = 1548404.69

24" WBW

1+00

10" DR

36" OF

12" SU

STA = 9+15.80
90° BEND
N = 7465829.87
E = 1548481.78

STA = 1+82.48
N = 7465827.60
E = 1548482.42
SEE 35-M-07
FOR CONT.

TREATMENT BUILDING
(AREA 35)



Project Name: City Creek Water Treatment Plant - BRIC
Project Location: 2200 City Creek Canyon Road, Salt Lake City, UT 84116
Project Status: 90% GMP

RFI Log

Item #	Individual	Issue	Drawing / Specification Reference	CSI Division	Tracking Dates				Responder	Response
					Date Submitted	Response Date	Date Issued In Addendum	Addendum #		
1	BDA	Contract Drawing 35-PI-24 shows the Blowers tag numbers to be 50-B-00010/00020 at the bottom. Please confirm the tag numbers shall be 70-B-00010/00020 to match the rest of the drawing and Specification 43 11 17.16.	35-PI-24 / 43 11 17.16	43	6/25/24	7/3/24	7/17/24	1	Adam Jones	The blower tag numbers shall be 50-B-00010/00020 as shown on 35-PI-24. The 70-B-00010/00020 tag numbers on 70-M-02, 70-M-04, 70-E-12 and 43 11 17.16 will be updated accordingly.
2	BDA	Contract Drawing 35-PI-24 shows the Blowers to have a Vendor Monitor Panel, 70-VMP-00010/00020, however, Specification 43 11 17.16 doesn't show these panels in the Equipment List. Please confirm, these panels shall be provided with the equipment.	35-PI-24 / 43 11 17.16	43	6/25/24	7/3/24	7/17/24	1	Adam Jones	The blowers will have a vendor monitor panel (50-VMP-00010/00020) as shown in 35-PI-24. Although the panels are not listed in the equipment list, they are discussed in 43 11 17.16 F.
3	BDA	Contract Drawing 70-M-02 and 70-PI-04 show the vertical turbine pumps to be tagged 71-P-00010/00020/00030, which also matches the Pump Schedule, however, Specification 43 23 62 has them tagged 70-P-00010/00020/00030. Please confirm tag numbers.	70-M-02 / 70-PI-04 / 43 23 62	43	6/25/24	6/28/24	7/17/24	1	Ozzie Rojas	The vertical turbine pump tags shall be 71-P-00010/00020/00030 as shown on 70-M-02, 70-PI-04 and G-17. The 70-P-00010/00020/00030 tag numbers on specification 43 23 62 will be updated accordingly
4	BDA	Contract Drawing 01-PI-01 shows the Infiltration Gallery Pumps to be tagged 05-P-00010/00020 and the LCP to be tagged 01-LCP-00015. Specification 43 23 80.12 shows them tagged as 01-P-00010/00020. Please confirm these shall be tagged 05-P-00010/00020, 05-LCP-00015 and the P&ID Drawing shall be reissued as 05-PI-01.	05-M-01 / 01-PI-01 / 43 23 80.12	43	6/25/24	6/28/24	7/17/24	1	Ozzie Rojas	The Infiltration Gallery pump tags shall be 05-P-00010/00020 as shown on G-17, 05-M-01 and 01-PI-01. The 01-P-00010/00020 tag number on specification 43 23 80.12 will be updated accordingly
5	BDA	Contract Drawing 35-PI-32 shows the Treatment Building Recycle Pumps 1, 2, & 3, tagged 35-P-00050/00060/00090. Specification 43 23 80.12 only has Treatment Building Recycle Pumps 1 & 2, and not 3. Please Advise.	35-M-17 / 35-PI-12 / 43 23 80.12	43	6/25/24	6/28/24	7/17/24	1	Ozzie Rojas	For Treatment Building Recycle Pump 3 provide a 0.5 HP max submersible pump with loat shutoff, 50 gpm at 10 ft head, 115V, 20-ft of chord, cast iron body, little giant model 506807 or approved equal. This will be shown on G-17 on the IFC set.
6	BDA	Contract Drawing 35-PI-32 shows the Treatment Building Recycle Pumps 1, 2, & 3, tagged 35-P-00050/00060/00090. Specification 43 23 80.12 only has Treatment Building Recycle Pumps 1 & 2, and not 3. Please Advise.	35-M-17 / 35-PI-12 / 43 23 80.12	43	6/25/24	6/28/24	7/17/24	1	Ozzie Rojas	For Treatment Building Recycle Pump 3 provide a 0.5 HP max submersible pump with loat shutoff, 50 gpm at 10 ft head, 115V, 20-ft of chord, cast iron body, little giant model 506807 or approved equal. This will be shown on G-17 on the IFC set.
7	BDA	Contract Drawing 35-PI-02 calls out the Flash Mix Pump Local Control Panels as 35-LCP-10010/20010, but calls out the pumps as 20-P-10010/20010. Please confirm the Local Control Panels should be tagged 20-LCP-10010/20010.	35-PI-02 / 43 23 92	43	6/25/24	7/8/24	7/17/24	1	Burt Otani	BC I&C recommends that the Flash Mix Pump local control panels be revised to 20-LCP-10010 and -20010. The P&ID and control panel schedule will be revised accordingly.
8	BDA	Contract Drawing 35-M-06, Key Note 3, calls out a Sodium Hypochlorite Inject Skid. There is no tag number(s) for this skid. We believe this to be tag 89-P-00060. Please Advise.	35-M-06 / 46 33 44	46	6/25/24	6/28/24	7/17/24	1	Ozzie Rojas	The tag numbers for the Sodium Hypochlorite Feed Pumps shall be 89-P-00060, 89-P-00070 and 89-P-00080 as shown on 03-PI-03. The Sodium Hypochlorite Feed Pump/Skids shown on 35-M-12 are 89-P-00060/00070 and will be tagged accordingly on the IFC set.
9	BDA	Contract Drawing 35-M-12, Key Note 1, calls out a Sodium Hypochlorite Inject Skid. There is no tag number(s) for this skid. We believe this to be tag 89-P-00060/00070. Please Advise.	35-M-12 / 46 33 44	46	6/25/24	6/28/24	7/17/24	1	Ozzie Rojas	The tag numbers for the Sodium Hypochlorite Feed Pumps shall be 89-P-00060, 89-P-00070 and 89-P-00080 as shown on 03-PI-03. The Sodium Hypochlorite Feed Pump/Skids shown on 35-M-12 are 89-P-00060/00070 and will be tagged accordingly on the IFC set.
10	BDA	Contract Drawing 70-M-02 shows Key Notes 8 & 10 for the Sodium Hypochlorite Feed Skids in the storage room, but doesn't indicate which tag numbers are for these pump skids. We believe these to be 89-P-00100 and 89-P-00090/00100. Please Confirm.	70-M-02 / 46 33 44	46	6/25/24	6/28/24	7/17/24	1	Adam Jones	The tag numbers for the Sodium Hypochlorite Feed Pumps 4, 5 and 6 shall be 89-P-00090, 89-P-00100 and 89-P-00110 as shown on 03-PI-04. The Sodium Hypochlorite Feed Pump/Skids shown on 70-M-02 are 89-P-00080/00100 and will be tagged accordingly on the IFC set.
11	BDA	Enlarged Plan 1, on Contract Drawing 35-M-17, Key Note 1 is for the Fluoride Chemical Injector. There is not a Equipment Item for this in Specification 46 41 17. Please Advise.	35-M-17 / 35-PI-22 / 46 41 17.	46	6/25/24	6/28/24	7/17/24	1	Adam Jones	Provide fluoride chemical injection quill per 35-M-17, Key Note 1 and Detail M0000. Details for injection quill will be added to Section 46 41 17 in the Issue for Construction documents.
12	BDA	Contract Drawing 35-PI-22 shows the 1/2"-FLR from the existing fluoride system to the 36"-FW. However, Section 4 / 35-M-15 shows this as a 2"-FLR. Please Advise.	35-PI-22 / 35-M-15	46	6/25/24	6/28/24	7/17/24	1	Adam Jones	For GMP assume a 2" FLR with 4" Carrier pipe from existing fluoride building to 36" FLT per drawing 87-M-01, Section 4/35-M-15, Drawing 01-C-22. Double containment pipe shall be per Section 40 05 02.65 and Section 40 05 31.19. FLR pipe size will be finalized in Issue for Construction drawings.
13	BDA	Contract Drawings 35-PI-08, 35-PI-09, & 35-PI-10 show the Flocculator Mixers to be 1A, 1B, 2A, 2B, 3A, 3B. Specification 46 41 42 shows them to be 4A, 4B, 5A, 5B, 6A, & 6B. Please Advise.	35-PI-08 / 35-PI-09 / 35-PI-10 / 46 41 42	46	6/25/24	6/28/24	7/17/24	1	Adam Jones	Provide pull boxes in yard at each change in direction per Detail B/GC-23. Assume minimum of 4 pull boxes for GMP development. Pull boxes will be shown in Issue for Construction Drawings.
14	BDA	Contract Drawing 35-M-19 shows pump 84-P-00010. Per the Pump Schedule, on Contract Drawing G-17, this is the Neat PEA Mixing Pump, that shows to be a progressing cavity pump. There is no Specification for progressing cavity pumps. Please provide.	G-17 / 35-M-19 / 35-PI-28	43	6/25/24	6/28/24	7/17/24	1	Adam Jones	Flocculator mixers are 1A, 1B, 2A, 2B, 3A, 3B, per 35-PI-08, 35-PI-09, 35-PI-10, Misc Equipment List on G-18. Section 46 41 42 will be updated for Issue for Construction set.
15	BDA	Contract Drawing 35-M-16, Key Note 1, Drawing 35-M-10, Key Note 1 is for the Ferric Chloride Chemical Injector. There is not a Equipment Item for this in Specification 46 41 17. Please Advise.	35-M-10 / 35-M-17 / 35-PI-22 / 46 41 17.	46	6/25/24	6/28/24	7/17/24	1	Adam Jones	Provide pump per Keynote 9 on 35-M-19.
16	BDA	Contract Drawing 35-PI-01 shows the Raw Water Sample Pump, 35-P-00010. The Pump Schedule, Contract Drawing G-17 calls this out to be a Centrifugal Pump. There is no Specification for this sample pump. Please Advise.	35-PI-01 / G-17	43	6/25/24	7/12/24	7/17/24	1	Ozzie Rojas	Provide ferric chloride chemical injection quill per Key Note 1 on 35-M-16 and Key Note 1 on 35-M-10 and Detail M0000. Details for injection quill will be added to Section 46 41 17 in the Issue for Construction documents. Specifications for the Raw Water Sample Pump, 35-P-00010 will be provided on the drawings. The following keynote will be provided in the IFC set: PUMP SHALL BE SUPPLIED BY CONTRACTOR. PUMP SHALL BE NSF 61 RATED, SELF-PRIMING AND OPERATE AT 5.0 GPM WITH 117 FT OF HEAD AND A MINIMUM SUCTION LIFT OF 10 FT. PUMP MOTOR SIZE SHALL BE NO LARGER THAN 0.50 HP. PUMP SHALL BE XYLEM MODEL JRS10Z OR APPROVED EQUAL

Item #	Individual	Issue	Drawing / Specification Reference	CSI Division	Date Submitted	Response Date	Date Issued In Addendum	Addendum #	Responder	Response
17	BDA	Contract Drawing 35-PI-22 shows the Combined Filtered Water Sample Pump, 50-P-00110. The Pump Schedule, Contract Drawing G-17 calls this out to be a Self-Priming Centrifugal Jet Pump. There is no Specification for this sample pump. Please also clarify the LCS Tag number. Please Advise.	35-PI-22 / G-17	43	6/25/24	7/12/24	7/17/24	1	Ozzie Rojas	Specifications for the Combined Filtered Water Sample Pump, 50-P-00110 and Treated Water Sample Pump, 70-P-00010 will be provided on the drawings. The following keynote will be provided on the drawings in the IFC set: PUMP SHALL BE SUPPLIED BY CONTRACTOR. PUMP SHALL BE NSF 61 RATED, SELF-PRIMING AND OPERATE AT 5.0 GPM WITH 117 FT OF HEAD AND A MINIMUM SUCTION LIFT OF 10 FT. PUMP MOTOR SIZE SHALL BE NO LARGER THAN 0.50 HP. PUMP SHALL BE XYLEM MODEL JRSSZ OR APPROVED EQUAL
18	BDA	Contract Drawing 70-PI-02 shows the Treated Water Sample Pump, 70-P-00010. The Pump Schedule, Contract Drawing G-17 calls this out to be a Self-Priming Centrifugal Jet Pump. There is no Specification for this sample pump. Please Advise.	70-PI-02 / G-17	43	NA	NA	7/17/24	1	NA	In essence, this is a duplicated question to RFI 18.
19	MCL	2.02 A 2 - Indicates that C-1 is to be used for liquid containing structures, but 2.02 B 1 shows C-2 used as Liquid Containing Concrete. Plan Sheet GS-01 indicated C-2 is Liquid Containing. Please Advise.	GS-01 / 03 30 00	03	6/25/24	6/27/24	7/17/24	1	Cody Hawkes	Follow GS-01 and use C-2 for liquid containing and C-3 at Clearwell
20	BDA	Contract Drawing 35-P-04 shows the chemical injection of the PEC into the 36"-RW line. It appears that Key Note 2, on Contract Drawing 35-M-16 is where this is located. Please confirm. In addition, there is not a Equipment Item for this in Specification 46 41 17.	35-P-04 / 35-M-16 / 46 41 17	46	6/25/24	7/10/24	7/17/24	1	Jake Himebaugh	Incorrect. The injection point for the PEC into the 36" RW line is shown on Drawing 35-M-15, located at point defined with Key Note 2. Specification 46 41 17 does show injection quill, defined as PEC Raw Water Pipe Feed Injector. Equipment tag may be added in IFC or Equipment Number column may be removed in its entirety as the injection quill assembly is not defined on P&IDs with a tag number.
21	MCL	3.04 5 a. - Starter Course at Waterstops. Indicates a liquid containing structure and details that either C-1 or C-2 class concrete can be used. This seems to indicate that either concrete type is ok for use in liquid containing structures. Please Advise.	03 30 00	03	6/25/24	6/27/24	7/17/24	1	Cody Hawkes	The concrete type shall be as required in the General Structural Notes
22	BDA	Contract Drawing 70-PI-01 shows the tag numbers for the Finished Water Gates to be 70-GT-00010/00020. Contract Drawing 70-M-01 shows them tagged as 70-GT-00020/00030. The Gate Schedule, G-17 also has them tagged 70-GT-00020/00030. Please confirm that the correct tag numbers shall be 70-GT-00020/00030.	70-PI-01 / 70-M-01 / G-17 / 40 05 59.23	40	6/25/24	6/28/24	7/17/24	1	Adam Jones	Finish water gates shall be as shown on 70-M-01 and Gate Schedule G-17. Drawing 70-PI-01 will be updated in Issue for Construction Set
23	MCL	The plansheet GS-01 shows C-2 being a 4500 PSI mix, but page 03 30 00 - 9 the table shows C-2 being 5000 PSI. Please advise.	GS-01 / 03 30 00-9	03	6/25/24	6/27/24	7/17/24	1	Cody Hawkes	4500 PSI per GS-01 is acceptable
24	BDA	Specification 13 33 13 Geodesic Domes currently has only one named manufacturer. In an effort to ensure competitive pricing, would you please consider adding the following manufacturer's to the Specifications: Tank Connection, Hallsten, RPS Engineering, UIG Tanks, & Ultraflote.	13 33 13	13	6/25/24	6/27/24	7/17/24	1	Cody Hawkes	Yes, we will add these suppliers to the specifications
25	BDA	Specification 46 33 44 Peristaltic Metering Pumps currently has only one named manufacturer. In an effort to promote competitive pricing, would you please consider added the following manufacturer's to the Specifications: ProMinent & Blue-White.	46 33 44	46	6/25/24	7/8/24	7/17/24	1	Adam Jones	Provide peristaltic metering pumps by Watson Marlow, or approved equal per Section 46 33 44.
26	BDA	Specification 46 41 42 Flocculator Mixers currently has SPX Flow/Lightnin' and Philadelphia Mixers are the same company now. In an effort to promote competitive pricing, would you consider adding the following manufacturer's: Walker Process, Chemineer, Hayward Gordon, & Cleveland Mixer.	46 41 42	46	6/25/24	7/10/24	7/17/24	1	Jake Himebaugh	Engineer would consider adding additional manufacturers. However, Contractor must follow standard procedure of providing the necessary information for a proposed deviation, including the model number and other pertinent information needed for Engineer to make an educated decision. Before submitting information, the Contractor is responsible to identify whether the proposed manufacturers meet all the requirements of the Specification, including whether the proposed manufacturer can provide equipment that does not require multiple deviations to the specification. Manufacturers requiring that do not closely conform to the specification will not be considered. This effort must be performed prior to submitting a request for alternative manufacturers to the Engineer.
27	BDA	Specification 46 61 11 Filter Underdrain System currently has only one named manufacturer. In an effort to promote competitive pricing, would you please consider added the following manufacturer's to the Specifications: Leopold, Unifilt	46 33 44	46	6/25/24	6/28/24	7/17/24	1	Adam Jones	Leopold and Unifilt are not an approved equal to the underdrain system specified. Provide underdrain per Section 46 61 11 by Orthos Liquid Systems, Inc or approved equal.
28	MCL	Note 1 under General Notes is covered up by the General Note label. Can you please clarify the part is covered?	35-S-05	03	6/25/24	6/27/24	7/17/24	1	Cody Hawkes	"1. SEE TYPICAL DETAIL BOOK FOR TYPICAL DETAILS INCLUDING, BUT NOT LIMITED TO, STRUCTURAL DETAILS, ENCASED PIPE DETAILS, AND EMBEDDED CONDUIT/PIPE DETAILS. NO EMBEDDED CONDUIT OR PIPE ALLOWED IN ELEVATED SLABS. SPECIFIC DETAILS INCLUDED ON CONSTRUCTION DOCUMENTS DETAIL SHEETS HEREIN TAKE PRECEDENCE OVER TYPICAL DETAILS FOUND IN THE DETAIL BOOK"
29	BDA	Specification 43 23 92 Multi-Stage Vertical Centrifugal Pumps is for the Flash Mix Pumps 1 & 2, 20-P-10010/10020. Contract Drawing G-17 for the Pump Schedule is calling these pumps out as Vertical Turbine Pumps. Please confirm these pumps shall be Multi-Stage Vertical Centrifugal Pumps.	43 23 92 / G-17	43	6/25/24	7/11/24	7/17/24	1	Ozzie Rojas	Flash mix pump is a multistage vertical centrifugal pump and not a vertical turbine per 43 23 92. Pump schedule on G-17 will be updated in IFC set.
30	MCL	70-S-03 Shaded area indicates encasement around conduits per M/GS-07, See Electrical for location of conduits. The detail shows a pipe encasement detail. Looking at 70-E-03 the conduits do not line up with the shaded areas. Is this meant to be process piping or electrical conduit, and are we truly going to hang the piping and encase it in concrete per the detail? Usually conduit would be laid within the rebar mat and encased in that manner. Hanging and encasing requires much more effort and forming materials and is therefore very expensive.	70-S-03 / GS-07 / 70-E-03	03	6/25/24	6/27/24	7/17/24	1	Cody Hawkes	See D/GS-08 for pipes in the slab and G/GS-19 for pipes in the Clearwell below slab.
31	LDL	Are the CAD files for the existing and proposed contours available for Site Grading & Earthwork scope. If so, please provide.	01-C-01 to 01-C-15	31	6/25/24	7/8/24	7/17/24	1	Adam Jones	Provided by B&C. Contractor must verify with IFC drawings and existing contours and elevations.
32	MCL	Plan sheet L-101 The Drainage Rock Overlay overpowers the landscaping information and makes the sheet unreadable. Can we get a plansheet with that hatching revised or removed for takeoff.	L-101	32	6/25/24	7/8/24	7/17/24	1	Adam Jones	Yes, we will provide a revised sheet L-101 in IFC.
33	DLC	Sheet GC-25 Detail 1 - Infiltration Drain Pipe Trench Section Note 3 talks about a design being confirmed after some Geotech boring. Has this been done or do we need to account for this?	GC-25	32	6/25/24	7/8/24	7/17/24	1	Adam Jones	Aggregate for the infiltration gallery is required to match as closely as possible the excavated material. Contractor's Geotech to excavate infiltration pipe gallery and perform gradation analysis to determine the backfill media and aggregate size per GC-25 Detail 1, Note 3.
34		There is a discrepancy on the size of the drain line. Sheets 01-C-21 and 01-C-75 call out 10" PVC but sheet 01-C-22 calls it out as 12".	01-C-21&22&75	33	6/25/24	6/28/24	7/17/24	1	Nic Oltean	The Infiltration Gallery piping is 24" reduced to a 12" into a manhole
35	EMB	Please provide handrail details and connection type (topmount, sidemount, removable)	35-S-12 & 35-S-15	5	6/25/24	6/27/24	7/17/24	1	Cody Hawkes	See GS-13 and GS-14 and architectural drawings
36	EMB	Please provide more details for Stair Plan on 70-S-14 det 3. This detail refers back to GS-11 for riser height, which refers back to the drawings	70-S-14 & GS-11	5	6/27/24	7/8/24	7/17/24	1	Adam Jones	See Section 2/70-S-09 (cut on 70-S-14)
37	EMB	Room TB102 in section 2 on sheet 70-S-09 shows metal decking with no other structural supports. Are structural members needed to support the decking based on the span of 12'-8"?	70-A-01 & 70-S-09	5	6/25/24	6/27/24	7/17/24	1	Cody Hawkes	The maximum single span for 18ga W3 with 2-1/2" NW concrete (5-1/2" total thickness) is 12'-3". The span is 11'-8"
38	EMB	Please provide structural details for the spiral stairs.	35-S-15	5	6/25/24	6/27/24	7/17/24	1	Cody Hawkes	The spiral staircase is a delegated design, see spec section 05 71 13

Item #	Individual	Issue	Drawing / Specification Reference	CSI Division	Date Submitted	Response Date	Date Issued In Addendum	Addendum #	Responder	Response
39	DLC	Sheet 01-C-22 has a 6" NPS x 5 tag. NPS not defined in the Abbreviations and there is no profile for this line.	01-C-22	33	6/27/24	7/11/24	7/17/24	1	Ozzie Rojas	The "NPS" callout is not defined in the abbreviations. This callout is used to identify the conduit or containment sleeves for chemical lines. In addition to 01-C-22, this callout appears on 01-C-21, 01-C-62, 01-C-65, 01-C-66. This callout will be replaced in the IFC set with "containment sleeves" or a similar descriptor on all pertinent drawings.
40	DLC	36" OF on sheet 01-C-23 is incorrectly labeled as 36" DR.	01-C-23	33	6/27/24	7/11/24	7/17/24	1	Ozzie Rojas	Civil drawing 01-C-23 will be revised to show the line as a 36" OF instead of a 36" DR.
41	DLC	Sheet 01-C-63 has a note on the profile view referencing GC-23. What detail on GC-23 is it referencing?	01-C-63	33	6/27/24	7/11/24	7/17/24	1	Ozzie Rojas	The note on the 01-C-63 profile referencing GC-23 is a typo. The callout should be "SEE GC-24, DETAILS 2 & 3". This will be updated on the IFC set.
42	BDA	Specification 13 33 13 Geodesic Domes, 1.01.D.1.a.1 indicates that the inside diameter is 58'-0". Specification 46 43 21 Circular Clarifier Equipment, 1.05.G indicates the internal diameter to be 60'-0". Please clarify.	13 33 13 / 46 43 21	13 / 46	6/27/24	7/8/24	7/17/24	1	Cody Hawkes	From the drawings of the existing structure, the dome should be 60'-0" inside diameter. Contractor to verify with existing conditions.
43	DJW	Are we just replacing hardware on the doors listed on the door schedule shown on 03-A-01 for the operations building?	03-A-01	8	6/27/24	7/8/24	7/17/24	1	Greg Short	The intent is that all existing doors and frames are to remain. Replace existing hardware with new hardware sets as specified. Patch and repair doors and frames (including paint) as required due to hardware removal/installation. We will clarify this with notes on the drawing.
44	BDA	Please confirm Local Control Panel, 35-LCP-00050, on Contract Drawing 35-PI-32 is to be supplied by the Vendor, to match the other submersible pumps being supplied under Specification 43 23 80.12.	35-PI-32 / 43 23 80.12	43	7/2/24	7/8/24	7/17/24	1	Burt Otani	BC I&C responds that there is to be one vendor-supplied local control panel, 35-LCP-00050, to operate both pumps.
45	BDA	Please confirm Local Control Station, 60-LCS-00010, on Contract Drawing 60-PI-02, for the new Submersible Pumps, 60-P-00010/00020 will be an existing panel, and no modifications per Specification 43 23 80.14 is required by the Vendor.	60-PI-02 / 43 23 80.14	43	7/2/24	7/8/24	7/17/24	1	Burt Otani	BC I&C will revise 60-PI-02 to show that 60-LCS-00010 is to be existing.
46	ER	Is there a security drawing for NG-02	28 10 00	28	7/2/24	7/8/24	7/17/24	1	Burt Otani	NG-02 is currently being revised to show the Administration Building access upgrades, Treatment Building access upgrades, video camera additions, Gate 1 upgrades and Gate 2 upgrades. This drawing will be forwarded to Haskell when the revisions are incorporated.
47	DLC	Sheet 01-C-22 calls out a 24" SU "See DWG 01-C-80" but on 01-C-20 they have the same line called out as 20" SU. Please clarify	01-C-22 & 80	33	7/2/24	7/11/24	7/17/24	1	Ozzie Rojas	The correct size is a "24" SU" as shown on 01-C-80. Civil drawing 01-C-22 will be updated to show the correct size.
48	KJM	LSHH00010 and LSL00010 are listed as Free Floating Float Switches on Instrument List (40 70 93) but appear to be shown as side-mounted float switches on P&ID 03-PI-01. Which is the correct type?	40 70 93 & 03-PI-01	40	7/2/24	7/9/24	7/17/24	1	Burt Otani	Drawings and specifications relative to LSHH00010 and LSL00010 have been revised to show these level switches as side-mounted, conductivity-type (LCS). P&IDs 03-PI-01 and -02 have been revised accordingly as has the instrument schedule which is part of Section 40 61 13.
49	KJM	LSHH00020 and LSL00020 are listed as Free Floating Float Switches on Instrument List (40 70 93) but appear to be shown as side-mounted float switches on P&ID 03-PI-02. Which is the correct type?	40 70 93 & 03-PI-02	40	7/2/24	7/9/24	7/17/24	1	Burt Otani	See the response to RFI #56(60), which applies to RFI #57(61).
50	KJM	Contract Drawing 35-PI-32 shows no controls for Treatment Building Recycle Pump #3 (35-P-00090). Please advise.	35-PI-32	40	7/2/24	7/10/24	7/17/24	1	Adam Jones	35-P-00090 will have a float switch to control pump operation.
51	KJM	Contract Drawing 70-PI-01 shows a control panel for each of the (2) Clearwell Drain Pumps. These panels are not included in Spec section 40 67 00 Process Control System Panel Schedule. Please advise.	40 67 00 & 70-PI-01	40	7/2/24	7/8/24	7/17/24	1	Burt Otani	BC I&C has added control panels 70-LCP-00040 and -00050 to panel schedule 40 67 00.
52	KJM	Contract Drawing 35-PI-24 shows the tag numbers for the Scour Blower control panels to be 70-VCP-00010/00020. Spec section 40 67 00 Process Control System Panel Schedule shows them tagged as 70-VMP-00010/00020. Please confirm that the correct tag numbers shall be 70-VCP-00010/00020.	40 67 00 & 35-PI-24	40	7/2/24	7/9/24	7/17/24	1	Ozzie Rojas	This appears to be a duplicate RFI. Please see response to RFI #2.
53	KJM	Spec section 40 67 00 Process Control System Panel Schedule shows 70-LCS-00010/00020 for Scour Blowers 1&2. These panels do not appear on the drawings. Please confirm these panels have been removed.	40 67 00	40	7/2/24	7/11/24	7/17/24	1	Burt Otani	Control stations 70-LCS-00010 and -00020 have been deleted have been removed from the latest P&ID (35-PI-24). The control panels for Blowers 1 and 2 have been renamed to 50-VMP-00010 and 50-VMP-00020. P&ID 35-PI-24 and the control panel schedules have been revised accordingly.
54	KJM	Spec section 40 67 00 Process Control System Panel Schedule includes 35-LCP-00023 for Raw Water Sample Panel. This panel does not appear on the drawings. Please confirm this panel have been removed.	40 67 00	40	7/2/24	7/11/24	7/17/24	1	Burt Otani	This panel is the unnamed Sample Panel on 35-PI-04. This same panel has been named 35-LCP-00023, which has been addressed on the subsequent 35-PI-04. A detail for this panel will be added to the M-sheets.
55	KJM	Contract Drawing 70-PI-06 shows the tag number for the Structural Underdrain Pump Station control panel to be 70-LCP-00020. Spec section 40 67 00 Process Control System Panel Schedule shows it tagged as 70-LCS-00020. Please confirm that the correct tag numbers shall be 70-LCP-00020.	40 67 00 & 70-PI-06	40	7/2/24	7/8/24	7/17/24	1	Burt Otani	BC I&C has revised the Structural Underdrain Pump local control panel to 70-LCP-00020 in the control panel schedule.
56	KJM	Spec section 40 63 43 Programmable Logic Controllers includes 87-PLC-9000 in the PLC schedule. This PLC is not included in section 40 67 00 Process Control System Panel Schedule and drawing NG-02 appears to show this PLC as already existing. Please advise. Does this PLC need to be included?	40 63 43 & 40 67 00 & NG-02	40	7/2/24	7/9/24	7/17/24	1	Burt Otani	PLC 87-PLC-9000 is an existing unit and does not to be included.
57	KJM	Contract Drawing 35-PI-01 and Spec section 40 67 00 Process Control System Panel Schedule include 35-LCS-00010. Who is responsible for supplying this panel?	40 67 00 & 35-PI-01	40	7/2/24	7/9/24	7/17/24	1	Burt Otani	Local control station 35-LCS-00010 is to be supplied by the Contractor.
58	KJM	Contract Drawing 35-PI-04 and Spec section 40 67 00 Process Control System Panel Schedule include 35-LCS-00020. Who is responsible for supplying this panel?	40 67 00 & 35-PI-04	40	7/2/24	7/9/24	7/17/24	1	Burt Otani	Local control station 35-LCS-00020 is to be supplied by the Contractor.
59	KJM	Contract Drawing 35-PI-22 and Spec section 40 67 00 Process Control System Panel Schedule include 35-LCS-00110. Who is responsible for supplying this panel?	40 67 00 & 35-PI-22	40	7/2/24	7/9/24	7/17/24	1	Burt Otani	Local control station 35-LCS-00110 is to be supplied by the Contractor.
60	KJM	Contract Drawing 70-PI-02 and Spec section 40 67 00 Process Control System Panel Schedule include 70-LCS-00010. Who is responsible for supplying this panel?	40 67 00 & 70-PI-02	40	7/2/24	7/9/24	7/17/24	1	Burt Otani	Local control station 70-LCS-00010 is to be supplied by the Contractor.
61	KJM	Contract Drawing 70-PI-02 and Spec section 40 67 00 Process Control System Panel Schedule include 70-LCS-00060. Who is responsible for supplying this panel?	40 67 00 & 70-PI-02	40	7/2/24	7/9/24	7/17/24	1	Burt Otani	Local control station 70-LCS-00060 is to be supplied by the Contractor.
62	KJM	Contract Drawing 70-PI-02 and Spec section 40 67 00 Process Control System Panel Schedule include 70-LCS-00070. Who is responsible for supplying this panel?	40 67 00 & 70-PI-02	40	7/2/24	7/9/24	7/17/24	1	Burt Otani	Local control station 70-LCS-00070 is to be supplied by the Contractor.
63	DJW	Are all gaps all the way across the metal deck supposed to be filled with spray foam insulation or just the above the walls?	Detail E and G, Sheet GA-04	7	7/2/24	7/10/24	7/17/24	1	Greg Short	Details D & E are for exterior walls. Spray foam insulation to be provided at both top and bottom of decking to provide continuity of insulation between wall and roof. Interior walls are similar but only require insulation on lower side of decking. Rated wall at electrical room will require fire sealant and safing at top of wall. Detail to be provided.
64	MCL	On Sheet 01-C-01 Junction Structure indicates 70-S-17 as a reference drawing. This drawing is not included in the latest set. On Sheet 01-C-03 It gives note 10 call out which points to 70-S-15, is this the proper plan sheet to use?	45 67 00 & 70-PI-02	03	7/2/24	7/2/24	7/17/24	1	Mike Olson	Use Sheet 70-S-15 for Junction Box
65	DLC	Sheet 01-M-01 shows a 12" OF line coming into the Pump Station on the north side. Sheet 01-C-22 doesn't show the 12" OF line. Instead it has a 12" SD line coming out of the south part of the Pump Station. Please clarify.	46 67 00 & 70-PI-02	33	7/2/24	7/10/24	7/17/24	1	Adam Jones	See Sheet 01-C-22 for OF pipe routing. 01-M-01 will be updated for the IFC set.
66	DLC	Sheet 05-M-01 shows a 12" INF line coming in to the Infiltration PS and 01-C-82 shows a 24" INF reducing down to 18". Please clarify.	47 67 00 & 70-PI-02	33	7/2/24	7/2/24	7/17/24	1	Mike Olson	See response to RFI 36

Item #	Individual	Issue	Drawing / Specification Reference	CSI Division	Date Submitted	Response Date	Date Issued In Addendum	Addendum #	Responder	Response
67	KJM	Contract Drawings 35-PI-11 and -13 shows the Solids Collector Sample Panels, 35-LCS-20004 & 40-LCS-20004. Spec section 40 70 93 Process Control System Instrument List calls the instruments out on this panel to be provided by an equipment manufacturer. There is no Specification for these sample panels and the Plate Settler specs do not call for these instruments to be included as a part of the manufacturer's scope of supply. Please Advise.	35-PI-11 & -13 & 40 70 93	40	7/8/24	7/11/24	7/17/24	1	Burt Otani	The referenced sample panels are included in Section 40 67 00, but have been renamed 40-LCS-10004 (35-PI-11) and 40-LCS-2004 (35-PI-13). This panel is to be supplied by the Contractor and consist of a backpanel with the mounted instrument(s) – no enclosure. Details for these panels will be added to the M-sheets in the IFC set.
68	KJM	Contract Drawings 35-PI-16, -17, -18, -19, -20, and -21 show the Filter Sample Panels. Spec section 40 70 93 Process Control System Instrument List calls the instruments out on these panels to be provided by an equipment manufacturer. There is no Specification for these sample panels and the Filter specs do not call for these instruments to be included as a part of the manufacturer's scope of supply. Please Advise.	35-PI-16, -17, -18, -19, -20, & -21 & 40 70 93	40	7/8/24	7/11/24	7/17/24	1	Burt Otani	The referenced sample panels are included in Section 40 67 00. These panels are to be supplied by the Contractor and consist of a backpanel with the mounted instrument(s) – no enclosure. See GM-05 Detail A.
69	KJM	Contract Drawings 35-PI-22 and -23 show the Combined Filtered Water and Filter-to-Waste Sample Panels. Spec section 40 70 93 Process Control System Instrument List calls the instruments out on these panels to be provided by an equipment manufacturer. There is no Specification for these sample panels nor is there a spec for the sample pumps to identify is these are part of their scope of supply. Please Advise.	35-PI-22 & -23 & 40 70 93	40	7/8/24	7/11/24	7/17/24	1	Burt Otani	The Combined Filtered Water Sample Panel (35-LCP-00151) and Filter-to-Waste Sample Panel (35-LCP-00021) referenced sample panels are included in Section 40 67 00. These panels are to be supplied by the Contractor and consist of a backpanel with the mounted instrument(s) – no enclosure. See GM-05 Detail A.
70	BDA	Contract Drawings 35-PI-16, -17, -18, -19, -20, and -21 show the 24"-FI motor actuated valves, the 24"-WBW motor actuated valves, the 14"-FW motor actuated valves, and the 10"-AW motor actuated valves to be Vendor Supplied. Specification 46 61 11 Filter Underdrain System doesn't require the valves to be supplied by the Vendor. Please confirm that these valves for all the filters shall not be supplied by the Vendor.	35-PI-16, -17, -18, -19, -20, & -21 & 46 61 11	46	7/8/24	7/10/24	7/17/24	1	Adam Jones	See typical instrument identification on GI-01. For all of the valves identified in RFI, a "V" is shown by valve instrumentation/controls, not the valves. This indicates that the valve instrumentation/controls shall be provided by valve manufacturer and valves shall be provided by Contractor.
71	KJM	40 70 93 Process Control System Instrument List is missing the following instruments. Please confirm these are to be included: <ul style="list-style-type: none"> PI00011 on P&ID 03-PI-01 PI00013 on P&ID 03-PI-01 PI00021 on P&ID 03-PI-01 PI00031 on P&ID 03-PI-01 PI00023 on P&ID 35-PI-02 PI00043 on P&ID 35-PI-02 PI00053 on P&ID 35-PI-02 FIT00013 on P&ID 35-PI-24 	various P&IDs	40	7/8/24	7/11/24	7/17/24	1	Josh Wilde	PI00011 on P&ID 03-PI-01 Confirmed PI00013 on P&ID 03-PI-01 Confirmed PI00021 on P&ID 03-PI-01 Confirmed PI00031 on P&ID 03-PI-01 Confirmed PI00023 on P&ID 35-PI-02 Instrument not shown on referenced drawing please verify drawing number PI00043 on P&ID 35-PI-02 Instrument not shown on referenced drawing please verify drawing number PI00053 on P&ID 35-PI-02 Instrument not shown on referenced drawing please verify drawing number FIT00013 on P&ID 35-PI-24 Confirmed
72	KJM	Contract Drawing 35-PI-24 shows an Annubar, Pitot tube type flow meter (FIT00013). This style of flow meter is not included in the specifications. Please advise.	35-PI-24	40	7/8/24	7/9/24	7/17/24	1	Burt Otani	BC I&C will add the annubar-type instrument to the respective specification.
73	KJM	Contract Drawing 60-S-01 calls for 6' wide dormers. Are there any additional details available showing these dormers or is it the responsibility of the Geodesic Dome manufacturer to design these?	60-S-01 / 13 33 13	13	7/8/24	7/8/24	7/17/24	1	Cody Hawkes	Yes, the dormers are part of the geodesic dome manufacturer's responsibility, as well as the connection/seismic separation to the vestibule.
74	KJM	There are numerous P&IDs that call for Ultrasonic Level Transmitters but the INSTRUSPECS section of specification 40 72 00 Level Measurement does not include a description for an ultrasonic level transmitter. Please advise.	40 72 00	40	7/8/24	7/9/24	7/17/24	1	Burt Otani	Radar level transmitters are to be used in lieu of ultrasonic level transmitters. P&IDs and specifications have been revised to reflect this.
75	KJM	Specification section 40 79 00 Misc Instrument Calibration Equip Instrument Valve and Fittings calls for an Air Compressor System and piping. The drawings don't show this air compressor system and there aren't any pneumatically operated controls shown on the drawings either. Where is the compressor located and where are we running piping to?	40 79 00	40	7/8/24	7/9/24	7/17/24	1	Burt Otani	This specification should be disregarded. There are no instrument systems requiring compressed air.
76	KJM	Clow and M&H both listed under Plug Valves, will they accept Clow, M&H for the Butterfly Valves as well?	40 05 60	40	7/8/24	7/9/24	7/17/24	1	Adam Jones	Provide butterfly valves from manufacturer's identified in Section 40 05 64.05 and Section 40 05 64.03. For substitutions to be considered, Contractor shall submit sufficient information and follow requirements outlined in Article 6.7 of the General Conditions. Engineer does not see specific reason or benefit for this deviation. Specification provides multiple manufacturers that meet requirements for the project. Provide pumps per Sections 43 23 80.12 and 43 23 80.14.
77	BDA	For Specification Sections 43 23 80.12 and 43 23 80.14 Submersible Pumps, would you consider adding Wilo as a named manufacturer?	43 23 80.12 / 43 20 80.14	43	7/9/24	7/30/24	7/30/24	3	Adam Jones	If significant reason for this deviation exists, provide reason for deviation and benefit to project.
78	BDA	For Specification Section 43 11 17.16 Horizontally Split Multistage Centrifugal Blowers, would you consider adding Lone Star Blower as a named manufacturer?	43 11 17.16	43	7/9/24	7/23/24	7/17/24	1	Adam Jones	For substitutions to be considered Contractor shall submit sufficient information to allow the Engineer to determine if the material or equipment proposed is equal to that named per Article 6.7 of the General Conditions. Updated Response: Use of Lone Star Blower is acceptable for this project. Lone Star Blower shall abide by all requirements specified within the applicable specifications for this project.
79	BDA	Would you please consider adding Mixtec as an approved manufacturer for Specification 46 41 42 Flocculator Mixers ?	46 41 42	46	7/9/24	7/9/24	7/17/24	1	Adam Jones	For substitutions to be considered Contractor shall submit sufficient information to allow the Engineer to determine if the material or equipment proposed is equal to that named per Article 6.7 of the General Conditions.
80	ER	Where is the Filter 1 PLC enclosure located?	NG-02	26	7/15/24	7/15/24	7/17/24	1	Adam Jones	See 35-E-04. PLC's last digit corresponds to each filter (i.e. 35-PLC-9001 is for Filter 1)
81	ER	Where is the Filter 2 PLC enclosure located?	NG-02	26	7/15/24	7/15/24	7/17/24	1	Adam Jones	See 35-E-04. PLC's last digit corresponds to each filter (i.e. 35-PLC-9001 is for Filter 1)
82	ER	Where is the Filter 3 PLC enclosure located?	NG-02	26	7/15/24	7/15/24	7/17/24	1	Adam Jones	See 35-E-04. PLC's last digit corresponds to each filter (i.e. 35-PLC-9001 is for Filter 1)
83	ER	Where is the Filter 4 PLC enclosure located?	NG-02	26	7/15/24	7/15/24	7/17/24	1	Adam Jones	See 35-E-04. PLC's last digit corresponds to each filter (i.e. 35-PLC-9001 is for Filter 1)
84	ER	Where is the Filter 5 PLC enclosure located?	NG-02	26	7/15/24	7/15/24	7/17/24	1	Adam Jones	See 35-E-04. PLC's last digit corresponds to each filter (i.e. 35-PLC-9001 is for Filter 1)
85	ER	Where is the Filter 6 PLC enclosure located?	NG-02	26	7/15/24	7/15/24	7/17/24	1	Adam Jones	See 35-E-04. PLC's last digit corresponds to each filter (i.e. 35-PLC-9001 is for Filter 1)
86	ER	What doors in the Treatment bldg. get card readers?	NG-02	26	7/15/24	7/15/24	7/17/24	1	Adam Jones	See Section 08 71 00 and Drawing 03-A-01.
87	ER	Where are the card readers located in the Admin Bldg?	NG-02	26	7/15/24	7/15/24	7/17/24	1	Adam Jones	See Section 08 71 00 and Drawing 03-A-01.

Item #	Individual	Issue	Drawing / Specification Reference	CSI Division	Date Submitted	Response Date	Date Issued In Addendum	Addendum #	Responder	Response
88	KJM	For the scope of work shown on drawing 10-M-01, can we assume the area inside the intake structure, where we are core drilling/installing the pipe and valve, will be dry and free of water?	10-M-01	40	7/15/24	7/15/24	7/17/24	1	Adam Jones	Yes, CCWTP operators can drain this area using intake gates. No plant shutdowns are allowed for work shown on 10-M-01. Bypass pumping is required. Work on this area will need to be sequenced along with bypass pumping required as part of 36 inch RW pipe tie in (see Section 01 12 16, Table 2).
89	KJM	Please provide more details for Pipe Manifolds inside the clarifier shown on 60-M-01. Is a sectional view showing elevations available?	60-M-01	40	7/15/24	7/15/24	7/17/24	1	Adam Jones	See 60-DM-01 and 60-DM-02.
90	KJM	Please confirm the Process Piping system tag "FLT" shown on the drawings is the "FW" system identified in the specifications.		40	7/15/24	7/15/24	7/17/24	1	Adam Jones	FLT is filter effluent. FW is finished water. GI-04, Section 40 05 02, and Section 40 05 02.23 will be updated to reflect these abbreviations in the Issue for Construction Set. FLT pipe will be specified in 40 05 02.23.
91	MCL	Plan page 87-S-01 give the TOS elevation, but does not give top of footing elevation, footing type, and foundation wall type. Can you please provide that information?	87-S-01/2/3	03	7/15/24	7/16/24	7/17/24	1	Cody Hawkes	Use FC2.0. Top of footing to align with existing top of footing. Contractor to field verify elevation.
92	MCL	Plan sheet 35-S-34 detail 6 refers you to plan page 35-S-33 elevations. Are the walls for the stairs drawn to top of footing elevations? Can you provide elevations for the footings and the tops of walls?	35-S-33/34	03	7/15/24	7/16/24	7/17/24	1	Cody Hawkes	Footing to be at 5330.00. Walls to extend to bottom of slab (5336.67, see 35-A-02).
93	MCL	Plan page 35-S-13 shows (4) concrete columns, (2ea) between gridlines 1-2, and E-F, (2ea) between gridlines 3-4, and E-F. There is no wall shown on the page, On Plan page 35-S-26 shows details of the walls inline with the (4) concrete columns. What wall type are we to assume, CFW-2?	35-S-13/26	03	7/15/24	7/16/24	7/17/24	1	Cody Hawkes	CFW-2 is correct. The drawings have been updated to show the wall above these columns and will be issued in the IFC set.
94	ER	The specs include section 26 42 00 for cathodic protection. Will the cathodic protection system fall under the scope of the electrical contractor?	26 42 00	26	7/15/24	7/15/24	7/17/24	1	Nick Gangi	Cathodic Protection is part of the Site Piping contractor's scope of work.
95	MCL	On plan sheet 60-S-01 The stairwell indicates an FC1.5, the concrete footing schedule on GS-26 does not have FC1.5 listed under Concrete Footing Schedule. Can you give us that info?	60-S-01 GS-26	03	7/16/24	7/16/24	7/17/24	1	Cody Hawkes	use FC2.0. Plans will be updated for IFC set.
96	BDA	Contract Drawing 35-PI-04 shows the Coagulant Water Sample Pump, 35-P-00020. The Pump Schedule, Contract Drawing G-17 calls this out to be a Centrifugal Pump. There is no Specification for this sample pump. Please Advise.	35-PI-04 / G-17	43	7/16/24	7/24/24	7/30/24	3	Ozzie Rojas	Specifications for the Coagulant water Sample Pump, 35-P-00020 will be provided on the drawings. The following keynote will be provided on the drawings in the IFC set: PUMP SHALL BE SUPPLIED BY CONTRACTOR. PUMP SHALL BE NSF 61 RATED, SELF-PRIMING AND OPERATE AT 5.0 GPM WITH 125 FT OF HEAD AND A MINIMUM SUCTION LIFT OF 10 FT. PUMP MOTOR SIZE SHALL BE NO LARGER THAN 0.50 HP. PUMP SHALL BE XYLEM MODEL JRSSZ OR APPROVED EQUAL. Specifications for the Carrier water Pumps, 70-P-00060/00070 will be provided on the drawings. The following keynote will be provided on the drawings in the IFC set: PUMP SHALL BE SUPPLIED BY CONTRACTOR. PUMP SHALL BE NSF 61 RATED AND OPERATE AT 45 GPM WITH 70 FT OF HEAD. PUMP MOTOR SIZE SHALL BE NO LARGER THAN 2.0 HP. PUMP SHALL BE XYLEM MODEL 2ST1G4G4 OR APPROVED EQUAL. PROVIDE PRESSURE SUSTAINING VALVE ON DISCHARGE SET AT 70 FT (30 PSI)
97	BDA	Contract Drawing 70-PI-02 shows the Carrier Water Pumps, 70-P-00060/00070. The Pump Schedule, Contract Drawing G-17 calls this out to be a Self-Priming Centrifugal Jet Pump. There is no Specification for these pumps. Please Advise.	70-PI-02 / G-17	43	7/16/24	7/30/24	7/30/24	3	Ozzie Rojas	Specifications for the Carrier water Pumps, 70-P-00060/00070 will be provided on the drawings. The following keynote will be provided on the drawings in the IFC set: PUMP SHALL BE SUPPLIED BY CONTRACTOR. PUMP SHALL BE NSF 61 RATED AND OPERATE AT 45 GPM WITH 70 FT OF HEAD. PUMP MOTOR SIZE SHALL BE NO LARGER THAN 2.0 HP. PUMP SHALL BE XYLEM MODEL 2ST1G4G4 OR APPROVED EQUAL. PROVIDE PRESSURE SUSTAINING VALVE ON DISCHARGE SET AT 70 FT (30 PSI)
98	EMB	Provide landing height for stairs on 70-S-05 & 70-S-14	70-S-05 & 70-S-14	5	6/27/24					Combined with RFI 38
99	DLC	On sheet 01-C-23 the connection for the 12" RCW line ending in a WYE is not defined. Please clarify.	01-C-23	33	6/27/24	7/29/24	7/30/24	3	Nic Oltean	Pipe manifold including the wye is shown on 60-M-01. Civil will update 01-C-23 Yard Piping Area 3 to reference the mechanical sheet
100	DLC	Sheet 01-C-22 shows the GW line to be 6" and sheet 01-C-78 shows the same line as 1.25".	01-C-23	33	6/27/24	7/29/24	7/30/24	3	Nic Oltean	6" GW gravity sewer pipe to septic tank then 1.25" GW pressure pipe. 01-C-78 will be correct with IFC set to show the correct label downstream of the septic tank to the 1.25" pressure pipe
101	DLC	Sheet 01-C-62 and 01-C-63 in the profile description of the pipe calls out 24" Welded Steel Pipe double lap weld. On sheet GC-22 Detail C note 6 says "FOR 24" PIPE AND SMALLER PROVIDE SINGLE BUTT STRAP. INSIDE FILLET AND NPT TAP NOT REQUIRED. PRESSURE TEST JOINTS." Should we follow the detail or the profile description?	01-C-62&63	40	6/27/24	7/29/24	7/30/24	3	Nic Oltean	Double lap welds are for pipes larger than 24" as it is very difficult to install the inside weld for 24" and smaller. 01-C-62 and 01-C-63 will be revised to SLP Single lap weld with the Issue for Construction
102	DLC	Sheet 01-C-22 has 12' DR but 01-C-21 and 01-C-75 show the same line as 10' DR. Please clarify.	01-C-21-22 & 75	33	7/2/24	7/29/24	7/30/24	3	Nic Oltean	The north side drain line from Treatment building will match the proc-mech size at 10" DR. 01-C-21, 01-C-22, and 01-C-75 will all be updated to reflect the 10" DR
103	ER	Please provide an area classification drawing		26	7/2/24	7/31/24	8/2/24	4	David Star	There are no Class 1 Div 1 or Div 2 areas. The specifications have locations and materials for installation areas. 26 05 00 for electrical enclosures and a similar table in 26 05 33 for conduits.
104	ER	There are tags on all of the electrical drawings; is there a conduit and cable schedule		26	7/2/24					Conduit and cable schedules are in the specifications. 26 06 20.23 and 26 06 20.24
105	ER	Is a fire alarm required for any of the structures	28 46 00	28	7/2/24	7/29/24	7/30/24	3	David Star	Fire alarm is required for the Treatment Building and to be added to the Existing Operations Building
106	ER	Specs call for lightning protection; which structure will it be required for?	26 41 23	26	7/2/24	7/29/24	7/30/24	3	David Star	Per specification 26 41 13 1.01 A 2. Lightning protection is required for the Treatment Building
107	KJM	Spec 40 42 00 references Section 40 41 13.13 – Electric Heat Tracer Tape. Please provide this spec.	40 41 13.13	40	7/2/24	7/25/24	7/30/24	3	Ozzie Rojas	See attached
108	ER	Why is GEN-2500 shown on drawings 01-E-02 and 01-E-03?	01-E-02 & 03	26	7/2/24	7/29/24	7/30/24	3	David Star	It is correctly shown on 01-E-02 and on the 03-E-01 drawings
109	ER	What is MH01 & 02 feeding on sheet 01-E-02?			7/2/24	7/29/24	7/30/24	3	David Star	MH-01 and MH-02 include the following from the Operations building electrical room to the Treatment building electrical room. Generator Feeders (Power and Controls), Ops Building ATS (Power)
110	KJM	Contract Drawing 87-PI-01 shows a control panel (01-LCP-00015) for the Septic Tank Control Panel. This panel are not included in Spec section 40 67 00 Process Control System Panel Schedule. Please advise.	40 67 00 & 87-PI-01	40	7/2/24	7/27/24	7/30/24	3	Burt Otani	This panel will be added to the control panel schedule.
111	KJM	Contract Drawing 87-PI-01 shows a control panel for the Septic Tank. This panel is not included in Spec section 40 67 00 Process Control System Panel Schedule. Please confirm this panel to be supplied with the Septic System.	41 67 00 & 70-PI-02	40	7/2/24	7/31/24	8/2/24	4	Burt Otani	This local control panel will be added to the control panel schedule.
112	KJM	Contract Drawing 03-PI-02 shows a control panel for the Generator. This panel is not included in Spec section 40 67 00 Process Control System Panel Schedule. Please confirm this panel to be supplied with the Generator.	42 67 00 & 70-PI-02	40	7/2/24	7/31/24	8/2/24	4	Burt Otani	The control panel for the generator is to be provided by the generator supplier.
113	KJM	Contract Drawing 03-PI-02 shows LT-00055, LSH-00055-1, & LHS-00055-2 for the Generator. These instruments are not included in Spec section 40 70 93 Process Control System Instrument List. Please confirm these instruments are to be supplied with the Generator.	43 67 00 & 70-PI-02	40	7/2/24	7/31/24	8/2/24	4	Burt Otani	The instruments are to be provided by the Contractor. The instrument schedule will be revised accordingly.
114	KJM	Spec section 40 70 93 Process Control System Instrument List includes FIT00010 & FIT00020 with a 14" size. These flow meters are shown as 24" on 70-PI-01 and 70-M-01. Please confirm correct size.	70-PI-01, 70-M-01, & -13 & 40 70 93	40	7/8/24	7/27/24	7/30/24	3	Burt Otani	Instrument schedule will be revised to show the diameter of these flowmeters to be 24".

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115	KJM	40 70 93 Process Control System Instrument List includes the following instruments but they do not appear on their respective P&IDs. Please confirm if these need to be included: <ul style="list-style-type: none"> ▫PIT10042 on P&ID 35-PI-16 ▫PIT10042 on P&ID 35-PI-17 ▫PIT10042 on P&ID 35-PI-18 ▫PIT10042 on P&ID 35-PI-19 ▫PIT10042 on P&ID 35-PI-20 ▫PIT10042 on P&ID 35-PI-21 ▫LIT10010 on P&ID 70-PI-01 ▫LIT20010 on P&ID 70-PI-01 	various P&IDs	40	7/8/24					The following will be removed and replaced with the following: PIT10042 -> PDIT10042 PIT20042 -> PDIT20042 PIT30042 -> PDIT30042 PIT40042 -> PDIT40042 PIT50042 -> PDIT50042 PIT60042 -> PDIT60042 Specification: 40 73 00 INSTRUSPEC: PDT The following Level transmitters are needed and will be added back onto the drawing LIT10010 on P&ID 70-PI-01 LIT20010 on P&ID 70-PI-01
116	ER	Why is there a utility meter and utility feed at the Clarifier?	60-E-01	26	7/8/24	7/29/24	7/30/24	3	David Star	The utility feed and the Utility meter are existing at the Clarifier. This is where the new feed from the Treatment Building that will replace the current utility feed will tie in and provide normal and backup power.
117	ER	Where is ACC 2300 located?	26 06 20.13 page 13	26	7/8/24	7/29/24	7/30/24	3	David Star	ACC 2300 is the Clarifier PLC. It is located in panel 60-PP-XXXXX shown on drawing 60-E-01
118	ER	The tray schedule in the specs does not have all of the tray numbers. Is there anyway that the size of the tray could be put on the drawings next to the height of the tray?	26 06 20.24 pages 28 & 29	26	7/8/24	7/29/24	7/30/24	3	David Star	Cable tray sizes have been added to the IFC set tray schedule. See attached drawing with the tray width indicated.
119	KJM	No manufacturer listed under the actuator specification. Please provide list of acceptable manufacturers.	40 05 57.23	40	7/8/24	7/23/24	7/24/24	2	Amanda Stoudt	See attached specifications for actuator types and approved manufacturers.
120	KJM	McCrometer is not listed on meter manufacturers, but they are currently one, if not, the only one who can make a BABA compliant meter. Can these be considered "approved equal"?	40 71 00	40	7/8/24	7/29/24	7/30/24	3	Adam Jones	Due to space constraints, this project requires a 0XDN flow meters. McCrometer does not meet this criteria. Contractor should include these flow meters in the waiver request for BABAA requirements on specific materials and equipment.
121	ER	Where is cable number RP30DS20010A located?	26 06 20.13 page 1	26	7/9/24	7/30/24	7/30/24	3	David Star	Cable Number RP30DS20010A has been removed from the cable schedule. This will be revised in the IFC set.
122	ER	What type of fixture is a "W" and "AL1E"?	35-E-09	26	7/9/24	7/29/24	7/30/24	3	David Star	W is a 4' wall mounted LED strip light. 4000K 80 CRI 4010 Lumens 34.5 Watts 120V AL1E is a battery backed up LED mini wall sconce 4000K 4828 Lumens 39 Watts 120V
123	BDA	Specification 46 33 33 Polymer Blending and Feed Equipment, the named manufacturers are now both owned by the same company. In an effort for competitive pricing, would you please consider adding ProMinent as an approved manufacturer?	46 33 33	46	7/9/24	7/31/24	8/2/24	4	Adam Jones	Owner and Engineer will review equipment "or equal" status after receipt of bid and prior to acceptance of Contractor's GMP.
124	ER	DWGS 35-E-09 - 12 REFERENCE RECEPTACLES, BUT THE DWGS DO NOT SHOW ANY. IS THIS THE INTENT, NO RECEPTACLES IN THESE AREAS?	35-E-09 - 12	26	7/9/24	7/29/24	7/30/24	3	David Star	See attached markup with proposed receptacle layout. This was added to the IFC set.
125	EMB	Please provide spec section 05 71 13 as mentioned in response to item 41.		5	7/9/24	7/18/24	7/24/24	2	Adam Jones	See Attachment
126	ER	Where is ACC 2400 located?	NG-01	26	7/15/24	7/29/24	7/30/24	3	David Star	ACC 2400 is an existing PLC cabinet down at the drying beds. Labeled PLC cabinet on sheet 01-C-25.
127	ER	Where is the Filter area PLC enclosure located?	NG-02	26	7/15/24	7/26/24	7/30/24	3	Adam Jones	see 35- PLC-9000 on Drawing 70-E-10
128	ER	Where is the Clearwell PLC enclosure located?	NG-02	26	7/15/24	7/26/24	7/30/24	3	Adam Jones	see 70- PLC-9000 on Drawing 70-E-10
129	ER	Where is the Fluoride PLC enclosure located?	NG-02	26	7/15/24	7/26/24	7/30/24	3	Adam Jones	Fluoride building PLC is existing and located to east of existing fluoride building door. See ACC 2206 on drawing E9 of City Creek Plant Upgrades record drawings. This will be shown on the IFC set.
130	ER	Where are the (5) camreas located?	NG-02	26	7/15/24	7/31/24	8/2/24	4	Adam Jones	All camera locations will be designed by a qualified control and monitoring design firm per Section 28 10 00. For bidding purposes, assume the following cameras and their general locations: New cameras - 6 around the outside of new Treatment Building - 6 inside treatment building at clearwell, filter gallery, filter upper deck, polymer room, sedimentation area, flocculation area - 1 at clarifier outside of geodesic dome Relocated cameras (move to new pole) - Clarifier camera to inside clarifier geodesic dome - Lower filter building gate camera - Filter buidling main gate camera
131	ER	Where is the main Network room located?	NG-02	26	7/15/24	7/31/24	8/2/24	4	David Star	The main network room Elec/Telcom room is on the second floor West End of the Operations Building.
132	KJM	40 70 93 Process Control System Instrument List is missing the following instruments. Please confirm these are to be included: <ul style="list-style-type: none"> - LT00055 on P&ID 03-PI-02 - LSH00055-1 on P&ID 03-PI-02 - LSH00055-2 on P&ID 03-PI-02 - PI00023 on P&ID 03-PI-02 - PI00041 on P&ID 03-PI-02 - PI00051 on P&ID 03-PI-02 	03-PI-02	40	7/15/24	7/27/24	7/30/24	3	Burt Otani	PI00023, PI00041 and PI00051 have been added to the instrument schedule. The -00055 instruments will be addressed as part of RFI #113.
133	CAG	Flash Mix (FMX) Piping is 4" and up on the drawings. Spec section 40 05 02.66 calls out pipe sizes 1/2" to 3" SS only. Please Advise.	Section 40 05 02. 66	40	7/15/24	7/22/24	7/24/24	2	J Himebaugh	Section 40 05 02.66 will be revised to increase allowable size of pipe from 3" up to 6" to account for larger portions of the flash max piping. Additionally, piping connections shall also include groove couplings for sizes 3" and above to address flexibility requirements defined in the drawings.

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134	ER	There are no receptacles on any of the drawings, is this coming later and we need to add them for now?		26	7/15/24	7/30/24	8/2/24	4	David Star	See response to RFI 124
135	ER	What type of fixture is a MF2 as shown on drawing 70-E-06?	70-E-06	26	7/15/24	7/30/24	8/2/24	4	David Star	MF2 is modeled after a Holophane PHZ 35000 LM WD Wide Glass Distribution MVOLT 35K Color Temperature 80 CRI Pendant mount fixture.
136	BDA	To be able to provide more in line with industry standards, we would like to request the following modifications to the Anthracite in the 46 61 13 Filter Media Specification. Uniformity Coefficient < 1.40 in lieu of 1.35 Acid Solubility < 2% in lieu of 1% < 10% retained on #10 in lieu of 1% Hardgrove Grindability < 48 in lieu of < 38 Specific Gravity 1.60 or more in lieu of 1.60 - 1.70 Please Advise if this is acceptable.	46 61 13	46	7/15/24	8/1/24	8/2/24	4	Adam Jones	- Acid Solubility <2% in lieu of 1% - <2.5% retained on # 10 in lieu of 1% - Hardgrove Grindability < 42% in lieu of <38 All other parameters in the current spec meets industry standard, can be met by the majority of manufacturer's listed and will not be modified.
137	ER	Are there any electrical demo drawings?		26	7/15/24	7/30/24	8/2/24	4	David Star	There are no Electrical Demo Drawings.
138	KJM	Pipe Specification 40 05 02.23 - Piping System Schedule, Potable Water gives us (4) different options for pipe linings for Steel pipe sizes ranging 4-48". Which is the preferred option?	40 05 02.23	40	7/15/24	7/22/24	7/24/24	2	J Himebaugh	Due to the amount of specials, flanges, and other connections on this piping throughout the plant, the preferred lining is Fusion Bonded Epoxy or Polyurethane (depending on what is standard from the manufacturer). Contractor may propose a different coating listed in Section 40 05 02.23 as part of the GMP. However, Contractor must define that selection within the GMP and remain with that selection throughout construction. Changes after the GMP will require a review and approval by the Engineer.
139	KJM	Key Note #1 on 60-M-01 identifies installing turbidimeters per P&ID. There is no Turbidimeters shown on the P&IDs for the clarifier. Please advise.	60-M-01	40	7/15/24	7/26/24	7/30/24	3	Amanda Stoudt	60-PI-01 has been updated to include the following keynote to match the keynote on 60-M-01: PROVIDE SOLITAX HIGHLINE SC TURBIDITY INSERTION PROBE (STAINLESS STEEL) WITH WIPER AND HACH SC4500 CONTROLLER. The updated drawing will be provided in the Issue for Construction set.
140	KJM	Drawing 01-C-22 shows PW and NG lines running into the southeastern corner of the existing Flouride Building. Drawing 87-P-01 shows these lines entering on the NORTH eastern corner of the building. Please confirm the location where these pipelines enter the building is as indicated on drawing 87-P-01.	01-C-22 / 87-P-01	22 / 33	7/15/24	7/29/24	7/30/24	3	Nic Oltean	Yard Piping in Area 2 will be updated with IFC to reflect Proc-Mech sheets. See figure attached for update.
141	KJM	Butterfly Valve spec 40 05 64.05 includes Pratt as an acceptable manufacturer for valve sizes 24" - 48". Please confirm if they are an acceptable manufacturer for sizes 3" - 24"	40 05 64.05	40	7/15/24	7/29/24	7/30/24	3	Adam Jones	Engineer does not see specific reason or benefit for this deviation. Specification provides multiple manufacturers that meet requirements for the project. Provide valves per Sections 40 05 64.05. If significant reason for this deviation exists, provide reason for deviation and benefit to project.
142	ER	Sections 5, 6, & 7 referenced on 01-E-03 appear to be missing from 01-E-07, there is no section 1 shown on 01-E-03 as referenced for DB-05 (01-E-07), and DB-03 (01-E-06) references two different sections on 01-E-03 indicating these conduits and cables are located in two different places. Please clarify duct bank information	01-E-03	26	7/15/24	7/31/24	8/2/24	4	David Star	See RFI 142 attachments
143	ER	01 12 16, 1.10A 2 mentions a temporary standby generator being in place during the demo and installation of the permanent standby generator. Will this temporary standby generator be provided by Haskell, or will the electrical subcontractor need to provide it?		26	7/15/24					
144	ER	6.3.2 10 of the Electrical Scope of Work document states that bidders will identify and select manufacturers and/or suppliers that implement materials with recycled content, along with some other requirements. We are looking into this, but there may be a chance our electrical gear manufacturers do not meet these requirements. Can exceptions be made?		26	7/15/24					
145	ER	Drawing 01-E-02 shows a tank/vault to the east of the operations building in/on the roadway. None of the items shown (01-LCP-00010, RP01LCP00010, 01-P-00010, etc.) appear to be shown in the one-lines, panel schedules, cable schedules, raceway schedules, or P&IDs. Please provide information for these items.	01-E-02	26	7/15/24	7/31/24	8/2/24	4	David Star	See RFI 145 attachments
146	ER	Please provide dimensions for stand-by generator for installation pricing purposes.		26	7/15/24	7/30/24	8/2/24	4	David Star	The generator has been laid out based on a Cat C32 1000kw (1250kVA) generator set. Dimensions L 182.6 x W 66.3 x H 85.1
147	ER	Drawing 01-E-03 indicates where the utility XFMR will be located. Is there an existing pad/vault located there, or will this be a new service drop needing a new pad/vault?	01-E-03	26	7/15/24	7/31/24	8/2/24	4	David Star	The treatment building is getting a new service drop and XFMR and pad.
148	ER	There is a "GEN-2500" shown on drawing 01-E-03 by the treatment building. Is this an error?	01-E-03	26	7/15/24	7/30/24	8/2/24	4	David Star	This is an error and has been removed from the IFC set.
149	ER	Panel 2155-PP-07 is shown in two locations, in the electrical room (70-E-10) and at the sed basins (35-E-06). Please clarify where 2155-PP-07 is located.	70-E-10/35-E-06	26	7/15/24	7/30/24	8/2/24	4	David Star	Panel 2155-PP-07 is to be installed in the electrical room. It has been removed from the sed basins sheet in the IFC set.
150	ER	Is panel 2155-PP-08 (Clarifier Panel) located where 60-PP-XXXX is shown on drawing 60-E-01? Is panel 60-PP-XXXX a separate panel? Please clarify. Also, there is no panel schedule for 2155-PP-08. Please provide a panel schedule	60-E-01	26	7/15/24	7/31/24	8/2/24	4	David Star	Panel 60-PP-XXXX includes the PLC MCC/Drive sections and LP section all in one large cabinet. There is no panel schedule for 2155-PP-08. The scope of work is to replace all the existing devices at the clarifier and run them back to the existing panel.
151	ER	Drawing 60-E-01 indicates a Utility Feed and Utility Meter, but one-line 70-E-21 shows the clarifier being feed from SWGR-2140A. Please clarify conflict.	60-E-01	26	7/15/24	7/30/24	8/2/24	4	David Star	The Clarifier is currently fed from the utility. The existing feed utility feed will be removed and the Clarifier will be fed from SWGR-2140A. 87-LP-2200 panel is being relocated from the existing Filter Building.
152	ER	Please clarify if panel 87-LP-2271 is a new or existing panel. Key note 1 on 87-E-01 states it is a relocated panel, but the one-line (87-LP-2271) indicates it is a new panel.	87-E-01	26	7/15/24	7/31/24	8/2/24	4	David Star	87-LP-2271 will be a new panel. This will be further clarified in the IFC set.
153	ER	Fixture AL1E (shown on 35-E-09) does not appear in the fixture schedule or the specifications. Please provide information.	35-E-09	26	7/15/24	7/31/24	8/2/24	4	David Star	AL1E is an LED Mini Wall sconce. Color Temp 4000 29W 3678 Lumen
154	ER	Fixture MF2 is shown on 70-E-06 but is not in the fixture schedule or specs. We are assuming it is the same as fixture MF1 with a higher wattage as shown in the fixture symbol on 70-E-06. Please confirm.	70-E-06	26	7/15/24					See RFI #128 (#121 on Procure)
155	ER	Many of the cable trays shown on the drawings do not appear on the raceway or cable schedule. Please provide sizes of the trays.	SPECS	26	7/15/24	7/31/24	8/2/24	4	David Star	See response to RFI 118 for information.
156	ER	The cable and raceway schedules have multiple entries for circuits from MCC-2160. Where is this MCC located? Is it new or existing?	SPECS	26	7/15/24	7/31/24	8/2/24	4	David Star	The MCC-2160 entries have been removed. There is no MCC-2160.
157	BDA	In response to RFI 107, we would like to submit the attached documentation for consideration to add Mixtec as an Approved Manufacturer to Specification Section 43 41 42 Flocculators Mixers. Please Advise.	43 41 42	43	7/15/24					
158	ER	Does the current admin/operations building have an existing fire alarm system? If so, please provide information (manufacturer, model/system name, etc.).		26	7/15/24	7/29/24	7/30/24	3	David Star	There is currently no existing Fire Alarm system.

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159	ER	Does the City have a current fire alarm contractor monitoring and servicing the fire alarm system? If so, who is it? Is it required to use them for pricing/supply of the system?		26	7/15/24	7/31/24	8/2/24	4	David Star	The DPU does not have a current fire alarm contractor.
160	ER	Keynote 1 on 35-E-03 references drawings 35-E-28 and 35-E-29. These drawings were not included in the bid documents. Please provide these drawings.	35-E-03, 35-E-28, 35-E-29	26	7/15/24	7/30/24	8/2/24	4	David Star	This note has been removed and the section callouts have been updated in the IFP set. See sheet 70-E-14 for the clarifying sections.
161	ER	Drawing 35-E-08 has section view indicated and listed as 1 of 35-E-21, but the sections on 35-E-21 are for drawing 35-E-03. Please clarify.	35-E-08, 35-E-21, 35-E-03	26	7/15/24	7/31/24	8/2/24	4	David Star	The correct section view is on 35-E-22. This will be updated for the IFC set.
162	ER	The electrical scope of work document lists PLC Relocation at Clarifier and Infiltration Gallery Pump Station as alternates. Where is the clarifier PLC currently located? Where is it being relocated to? What are the HP or full load current rating of the pumps at the Infiltration Gallery Pump Station?		26	7/16/24	7/31/24	8/2/24	4	David Star	The PLC relocation is moving the Electrical panel labeled 60-PP-XXXX on sheet 60-E-01 to the north to fit inside the clarifier dome. If the dome is removed then this relocation does not need to take place. Mechanical Equipment list has them listed as 6 HP each. Specifications for the Clearwell Drain Pumps, 70-P-00040/00050 will be provided on the drawings.
163	BDA	Contract Drawing 70-PI-01 shows the Clearwell Drain Pump 1 & 2, 70-P-00040/00050. The Pump Schedule, Contract Drawing G-17 calls this out to be a Centrifugal Pump. There is no Specification for these pumps. Please Advise.	70-PI-01 / G-17	43	7/16/24	7/24/24	7/30/24	3	Ozzie Rojas	The following keynote will be provided on the drawings in the IFC set: PUMP SHALL BE SUPPLIED BY CONTRACTOR. PUMP SHALL BE NSF 61 RATED, SELF-PRIMING AND OPERATE AT 50 GPM WITH 15 FT OF HEAD. PUMP MOTOR SIZE SHALL BE NO LARGER THAN 0.5 HP. PUMP SHALL BE XYLEM MODEL NPE 3ST2C4E4 OR APPROVED EQUAL
164	BDA	Inclined Plate Settler Spec Section 46 43 76 2.02. B Delete: "...and any other pertinent data shall be attached to each unit" Add: Please add "shall be one nameplate per basin" MRI can attach specified information on a nameplate that would attach to a handrail or base plate by each basin. This would allow for visibility of the information instead of it being attached to plate packs that would be underwater. Inclined Plate Settler Spec Section 46 43 76 2.02. E.1 Add: Please add "minimum 24-gauge" Paragraph does not specify an inclined plate material thickness. The industry standard for stainless plate clarifiers proven at 300+ potable water plants is a 24-gauge inclined plate material. Question 1: Is the 'standard metal gauge thickness' for the inclined plate 24-gauge material? Question 2: Will thinner plates be acceptable without full scale operating plants to support the design or will unproven thinner 26 ga plate systems be evaluated prior to bid? It is MRI's belief that there are no installations of 26ga plate settlers installed and operating for the specified time frame to prove their structural integrity under real world conditions. 24 ga plates have been the standard design practice for years of stainless-steel inclined plate settler installations. We submit that the city should not become a trial for thinner plates unproven in full-scale operation. Nor should 26-gauge plate bids be accepted based simply on structural calculations submitted and evaluated post bid.	46 43 76 2.02. B	46	7/16/24	7/23/24	7/24/24	2	J Himebaugh	Name plate may be attached to handrail at end of sedimentation basin. Specifications will be revised to reflect that.
165	BDA	Inclined Plate Settler Spec Section 46 43 76 2.03. E. 1&2 MRI has performed third party testing of both our standard 24-gauge and thinner 26-gauge plates per ASTM E330 as has been suggested in recent specifications for other plate settler projects. ASTM E330 is a uniform static air pressure difference structural test developed for architectural fenestration products like windows, doors and skylights to check deflections and validate perpendicular wind shear capabilities and does not pertain to plate settler equipment. In our tests, 26-gauge sheet passed this deflection standard up to a simulated 90 lb. 'sludge' load when constrained on all four sides per the testing procedures. In real world operation, the inclined plate is constrained on only three sides with a structural hem at the bottom. When tested with the hem as constructed, the 26-gauge plates did not meet the industry standard of 30 lbs. per plate. QUESTION: What ASTM standard and plate load or deflection will be acceptable for PE stamped structural calcs of plates thinner than 24-gauge sheet? Will thinner plates be evaluated in submittals after bid day, or is it prudent to approve Quality Assurance compliance prior to bid? Please Add: "The plates shall be manufactured of adequate size and minimum thickness of 0.0250 inches stainless steel to meet the structural design criteria. Plates shall not exceed the maximum allowable deflection limits under load conditions stipulated below. 1. 0.67 pounds per square foot of plate area live load (sludge load) 2. Maximum live load deflection of L/360 for all structures, etc. 3. A concentrated live load of 300 lbs. anywhere on the plate top flow deck designed per ASCE 7-10. Minimum Design Loads referenced for Catwalks and	46 43 76 2.02. E.1	46	7/16/24	7/25/24	7/30/24	3	J Himebaugh	Response to Question 1: Engineer intentionally did not state a 'standard metal gauge thickness' in the specification. This is a performance-based specification, requiring the manufacturer to prove to the Engineer that the equipment design meets the conditions specified therein. Namely, Paragraph 2.03.E.1 of Section 46 43 76 states the following: 'The plate shall be designed to handle 30 lb. solids loading evenly distributed over the plate without failing, buckling, yielding, or creating a permanent deformation. The plate shall not exceed a maximum deflection of L/140 anywhere along the plate. Additionally, the specification further states, the manufacturer shall provide a stamped report from a third-party testing laboratory in compliance with ASTM E330 and proving that the L/140 testing criteria is met. Thus, it remains the responsibility of the manufacturer to select the appropriate material thickness for this application and then prove, through a third-party testing laboratory, that the design meets the performance criteria specified. Furthermore, the specification requires the laboratory to stamp the report through a Professional Engineer. These requirements apply to all Manufacturers, irrespective of experience, thickness selected, or number of installations. As stated in Paragraph 1.07.A.3, manufacturer shall be solely and fully responsible for the warranty and mechanical design adequacy of all the provided components under this section. Response to Question 2: Refer to Response to Question 1. Additionally, specification hardly allows use of an "unproven" design. Section 46 43 76 Paragraph 1.07.A provides the minimum qualifications of the Manufacturer, which, in accordance with Paragraph 1.07.A.1 also includes the manufacturer to submit evidence of satisfactory operation in at least 5 different installations. Thus, Engineer has clearly required the manufacturer to select material thickness and verify that decision through calculation, design experience, testing by a third-party laboratory, verification through a third-party Engineer, and evidence of real-world application. Furthermore, selection of material thickness remains the responsibility of the Manufacturer for all supplied components, not solely the thickness of the settling surface only. In addition to the requirements discussed in these responses, all components must meet the structural requirements defined in Section 1.06.B.2.a. As with the settling surface thickness, this section requires not only calculations, but that the calculations be performed and stamped by a Structural Engineer registered in the State of Utah to prove to the Engineer that the design conditions specified are met or exceeded. This method of developing and generating calculations, then stamping said calculations, all through a Registered Professional Engineer is a widely accepted
166	BDA	MRI has performed third party testing of both our standard 24-gauge and thinner 26-gauge plates per ASTM E330 as has been suggested in recent specifications for other plate settler projects. ASTM E330 is a uniform static air pressure difference structural test developed for architectural fenestration products like windows, doors and skylights to check deflections and validate perpendicular wind shear capabilities and does not pertain to plate settler equipment. In our tests, 26-gauge sheet passed this deflection standard up to a simulated 90 lb. 'sludge' load when constrained on all four sides per the testing procedures. In real world operation, the inclined plate is constrained on only three sides with a structural hem at the bottom. When tested with the hem as constructed, the 26-gauge plates did not meet the industry standard of 30 lbs. per plate. QUESTION: What ASTM standard and plate load or deflection will be acceptable for PE stamped structural calcs of plates thinner than 24-gauge sheet? Will thinner plates be evaluated in submittals after bid day, or is it prudent to approve Quality Assurance compliance prior to bid? Please Add: "The plates shall be manufactured of adequate size and minimum thickness of 0.0250 inches stainless steel to meet the structural design criteria. Plates shall not exceed the maximum allowable deflection limits under load conditions stipulated below. 1. 0.67 pounds per square foot of plate area live load (sludge load) 2. Maximum live load deflection of L/360 for all structures, etc. 3. A concentrated live load of 300 lbs. anywhere on the plate top flow deck designed per ASCE 7-10. Minimum Design Loads referenced for Catwalks and	46 43 76 2.03. E. 1&2	46	7/16/24	7/25/24	7/30/24	3	J Himebaugh	Response to Question: As mentioned in the response to RFI #157 and RFI #159, Section 46 43 76 is a performance-based specification, requiring the manufacturer to prove to the Engineer that the design meets the requirements specified therein. Engineer is aware that ASTM E330 is written for architectural components (windows, doors, skylights) and does not exactly match the application. However, it does represent a standard testing procedure accessible to both Manufacturers that provides instruction in which to test a plate thickness under a uniform load. The geometry of the plate and its support structure, including how the plate attaches to that support structure and how that support structure attached to the plate pack frame, represent factors that significantly influence the strength and overall deflection of the plate. Thus, it is the responsibility of the Manufacturer to perform the testing in a manner that best represents their overall design and clearly identify where they cannot do so as part of their report. All this must be performed by a third-party laboratory and validated through a third-party Professional Engineer. Ultimately, equipment must meet the requirements of the specification. Whether a manufacturer chooses to perform testing prior to the bid or after award is not the responsibility of the Engineer to dictate. Engineer will also not evaluate bids based on material thickness as this is not an evaluative bid approach. Manufacturer will remain responsible to provide equipment that meets the requirements of the specification, regardless of whether that requires an increase in material thickness over their standard product. Request to change specification as defined in this RFI is not approved.

Item #	Individual	Issue	Drawing / Specification Reference	CSI Division	Date Submitted	Response Date	Date Issued In Addendum	Addendum #	Responder	Response
167	BDA	Inclined Plate Settler Spec Section 46 43 76 2.04. A Delete: "minimum thickness of 14-gauge" Add: "minimum thickness of 16-gauge" MRI standard trough design is constructed of 16-gauge material.	46 43 76 2.04. A	46	7/16/24	7/25/24	7/30/24	3	J Himebaugh	As this is a performance-based specification, Engineer will provide the Manufacturer the same courtesy provided elsewhere in the specification, specifically, to select material thickness for the component based on experience and calculation and then provide proof that selected thickness satisfies or exceeds the design requirements specified. Thus, paragraph 2.04.A shall be rewritten to remove the sentence Both shall be constructed with a minimum thickness of 14 gauge. Additionally, paragraph 2.04.D shall include the following as 2.04.D.1: The manufacturer shall provide a P.E. stamped report from a third-party in compliance with ASCE 7-10 (Minimum Design Loads for Buildings and Other Structures) referencing catwalks for maintenance access. Specifically the troughing, weir plate and other surface that may be stepped on during maintenance activities, shall be designed using a minimum uniformly distributed live load of 40 psf and a minimum concentrated live load of 300 pounds. The top flow control device shall not experience any buckling, permanent deformation, or yielding. Thus, as in other areas of the specification, the manufacturer shall prove to the Engineer that the selected material thickness for all components discussed in this water testing on troughing alone is not sufficient to meet the requirements of this paragraph. The purpose of this paragraph is to ensure the manufacturer has followed proper industry standards during the fabrication process to ensure surfaces are not contaminated with free iron. As such, water-wetting and drying testing shall be performed on various surfaces of the equipment, amounting to a total of 10% of the lot. Further testing due to a failed test remain as defined in Paragraph 46 43 76 2.07.A.6. Any evidence of corrosion (rust, blooming, pitting, etc.) found upon receipt of shipment and during warranty period, caused by manufacturer's failure to properly fabricate and clean stainless-steel materials, remains the responsibility of the manufacture to address in the field.
168	BDA	Inclined Plate Settler Spec Section 46 43 76 2.07. A.6 Please Add: "perform water test on first trough, last trough and 3% randomly selected from the lot" MRI standard testing is to perform a water test on the first, last and 3% randomly selected from the lot to verify absence of residuals. MRI will mechanically clean all welds to ASTM A380 standards using NSF-61 approved solutions.	46 43 76 2.07. A.6	46	7/16/24	7/22/24	7/24/24	2	J Himebaugh	Note: This RFI response is specific to Paragraph 46 43 76 2.07.A.6 of Section 46 43 76 2.07.A.6 and does not alter any other portions of the Paragraph 2.07.5" Vents shown on Sheet 35-M-04 shall meet the requirements specified in 40 05 02.01
169	CAG	Plan sheet 35-M-04: Please provide pipe specification for 4" D & 5" Vents. Steel?	35-M-04	40	7/16/24	7/25/24	7/30/24	3	J Himebaugh	4" Drain shown on Sheet 35-M-04 shall meet the requirements specified in 40 05 02.23
170	CAG	Plan sheet 01-M-01: SU system – really want HDPE Dual wall for buried & exposed piping per pipe schedule? This appears to be incorrect type of pipe. Please advise.	01-M-01	40	7/16/24	7/26/24	7/30/24	3	Amanda Stoudt	The 18" and 8" SU into the perimeter drain pump station as well as the 12" overflow shall be dual walled HDPE per the civil sheets. The 4" and 8" pump discharge piping currently labeled as SU has been changed to PD. The piping will transition materials and size 6.5 feet from the pump station wall. See specification 40 05 02.43, Pressurized Wastewater and Drainage, for acceptable pipe materials. Sheet 01-M-01 has been updated accordingly and will be provided in the Issue for Permit set.
171	CAG	Please provide full specification for BABA requirement, typically there is federal funding documentation that is part of the specifications. Valve manufacturers are requesting the full spec in order to review compliance of material.		40	7/16/24	7/31/24	8/2/24	4	Kevin Maguire	see Section 00 45 15 included in the Prime Contract.pdf document located in the 02 Standard Contract Attachments folder on BuildingConnected
172	CAG	There is confusion regarding the Flash Mix (FMX)/ Recycle water(RCW) piping tie-in location. Drawing 35-M-16 shows a Sodium Hypo (SH) injection point tying into the 36" Raw Water(RW) as well as a Ferric Chloride (FC) injection point that ties into the 6" RCW piping. There is a keynote for both tie-ins that references detail M0000 on sheet GM-02 calling for injection quills at both locations. GM-02 also includes detail M0001 for a Titanium Flash Mix Assembly that calls for a flash mix nozzle and a chemical diffuser assembly. This detail does not match any of the drawings or P&IDs. Question #1: is RCW supposed to be labeled FMX on 35-M-16? Question #2: Are we pricing this the way it's shown on 35-M-16 and include chemical injection quills for both the SH & FC systems or do we follow detail M0001 on GM-02 and include a flash mix nozzle with a chemical diffuser assembly for the SH system tying into the RW system and a chemical injection quill for the FC tying into the RCW/FMX system?	35-M-16, GM-02	40	7/16/24	7/29/24	7/30/24	3	J Himebaugh	Question 1: Please see the marked up drawings for clarification. Question 2: Sodium Hypochlorite and PEC line will both have an injection quill. All other lines called out as SC (Spare Chemical) will have a threaded end cap for future use as needed. See attachments in Addendum 3
173	BDA	Specification 43 23 92 Multi-Stage Vertical Centrifugal Pumps, 2.02.B Operating Conditions, shows Condition A at a capacity of 250 gpm, Condition B at a capacity of "from pump H/Q curve" mgd, Condition C capacity at 139 mgd, and Condition D at a capacity of TBD mgd. Please clarify that the capacities shall all be gallons per minute (gpm) and not million gallons per day (mgd).	43 23 92	43	7/16/24	7/29/24	7/30/24	3	J Himebaugh	Yes. All capacities shown will be in gpm rather than the mgd currently shown.

Item #	Individual	Issue	Drawing / Specification Reference	CSI Division	Date Submitted	Response Date	Date Issued In Addendum	Addendum #	Responder	Response
174	BDA	Specification Section 43 23 80.12 Submersible Water Pumps - Constant Speed, 2.03.C Table of Operating Conditions, for pumps 05-P-00010/00020 show the Total Head, feet as 45.9 for Condition A, but show it as 29.1, for Condition B. It appears that this is a typo for a constant speed pump. Please Advise.	43 23 80.12	43	7/16/24	7/31/24	8/2/24	4	Ozzie Rojas	Contractor shall provide a pump that meets both conditions as specified in 43 23 80.12 2.03c and notes 1 & 2 (see below). Conditions A and B will be updated to Total Head, 20.0 ft. and Total Head, 12.5 ft respectively. Condition B has been updated to 105 percent of the BEPQ. 1. Condition A shall be taken as the rated, continuous-duty operating condition. Performance at the rated condition shall be guaranteed in accordance with Section 43 23 03. Condition A has been selected to obtain the rated pumping capacity for the installation. It is not intended that the pumps be selected for maximum efficiency at Condition A. Pumps furnished under this section shall be selected to achieve Condition A performance, and also shall operate continuously without objectionable vibration or cavitation at the head specified under Condition B. Condition A may be located in the Allowable Operating Region as established by the pump manufacturer in accordance with ANSI/HI 9.6.3 and published in the manufacturer's published application data for the specific model proposed for this application. 2. Condition B head is presented to indicate operating conditions when the pump is operating against minimum anticipated system head, assuming a hypothetical head-capacity curve. Condition B shall be used for pump selection. Condition B shall be located within the Preferred Operating Region as established by the pump manufacturer in accordance with ANSI/HI 9.6.3 and listed in the manufacturer's published application data for the specific model proposed for this application. Condition B shall be located to the right of BEPQ and shall be not less than 105 percent of BEPQ. Pumps with head-capacity curves steeper than that assumed will produce somewhat less flow at somewhat lower head. The reverse will occur with pumps having a shallower head-capacity curve. NPSHA as listed for Condition B is
175	CAG	Sodium Hypochlorite P&ID shows ball valves. Note 8 in the spec states ball valves are not permitted in the Sodium Hypochlorite. (Please advise)	40 05 02.65 - 1 spec sheet/P&ID (35-PI-01)	40	7/16/24	7/22/24	7/24/24	2	Adam Jones	Provide full port vented ball valves for sodium hypochlorite service per 40 05 63.06.
176	ER	On drawings 01-E-02 & 01-E-03 you reference details 1 & 2 on drawing 01-E-06. These details call out 8 -3" conduits and 2 -2" conduits. The requirement would be for 4 - 4" conduits from the generator on Dwg 03-E-01 and a control conduit. The normal incoming power from the utility transformer should also require 4 - 4" conduits as well. Please clarify how we are to proceed.		26	7/17/24	7/31/24	8/2/24	4	David Star	See response to RFI 145 for clarification on ductbank conduits.
177	ER	Panel 2155-PP-07 appears in 2 locations. Drawing 70-E-10 in the electrical room and 35-E-11 on the operating floor. Which is correct?		26	7/17/24	7/30/24	8/2/24	4	David Star	See response to RFI 149. Panel 2155-PP-07 is to be installed in the electrical room. It has been removed from the sed basins sheet in the IFP set.
178	MCL	On drawing 60-A-01 2 doors are shown on the clarifier structure, but no door numbers are given. Please indicate door number or door type.	60-A-01	08	7/17/24	7/18/24	7/24/24	2	Greg Short	Door is Type B, Frame is Type 5 and Hardware Set is #6.0
179	MCL	On drawing 70-A-01 it shows Keynote 3 for sealed concrete. Does the sealed concrete extend into the SIP, and Concrete Landing and Ramp?	70-A-01	09	7/18/24	7/18/24	7/24/24	2	Greg Short	Yes, sealer is the typical application for all concrete floors.
180	MCL	On Drawing 70-A-02 does the 4" Cove base continue on the other 2 walls in the WC?	70-A-02	09	7/18/24	7/18/24	7/24/24	2	Greg Short	Omit 4" cove base from the restroom.
181	MCL	Are there any fire extinguishers located on the Clearwell/Intermediate level?	70-A-03	10	7/18/24	7/18/24	7/24/24	2	Greg Short	Yes, please include 4 fire extinguishers at the lower level. They will be added to the code sheet.
182	ER	Type W fixture is missing from the fixture schedule	GE-04	26	7/18/24	7/18/24	7/24/24	2	Kevin Maguire	Duplicate to RFI #122
183	ER	Should there be lighting fixtures on drawing 70-E-04 Clearwell Lower Level		26	7/18/24	7/31/24	8/2/24	4	David Star	No fixtures on Lower Level Lower level is inside the clearwell tanks.
184	NCG	What new fences and gates are required? currently the drawings show existing fence and three gates with no further detail. Can you please provide clarity on what fences and gates are needed?		32	7/18/24					
185	NCG	Soil Nail Wall plans on plan sheet 01-C-04 do not provide any wall elevations. Can any profiles or TOW / BOW elevation be provided?	01-C-04	31	7/18/24					See figure attached showing soil nail wall and elevation tables. 01-C-04 will be updated with IFC set to provide elevation data. Capture-Area 3 Site Plan Soil Nail Wall.PNG
186	KJM	One of our vendors has voiced concerns about the longevity of the 16"+ sized butterfly valves specified. They have suggested a double-offset butterfly valve as a substitute that has a 3 year leak free warranty, where if they leak within 3 years they will repair/replace. Rated to 250PSI as standard. Is this an acceptable substitute?	40 05 64	40	7/18/24	7/30/24	7/30/24	3	J Himebaugh	Engineer is unsure of the concern for the valves. Engineer provided a high performance specification (Section 40 05 64.03) that lists five manufacturers with offset designs. Unless there is a specific reason to include AVTek at this point, Engineer will remain with five manufacturers listed i. Should manufacturer desire to get on Specification in the future, manufacturer should reach out to Engineer directly to discuss.
187	ER	There are references in all 3 sections on drawing 01-E-06 to RP01MCC2160 series of conduits. They do not appear in the conduit or cable specs. The RP01MCC2155 series of conduits are called out as 3". Should they be 4"?	01-E-06	26	7/18/24	7/31/24	8/2/24	4	David Star	These have been removed see updated ductbank sections in RFI 145 response.
188	ER	The reference to the RP01MCC2155 series of conduits on drawing 01-E-07 does not exist in the conduit and cable schedules.	01-E-07	26	7/18/24	7/31/24	8/2/24	4	David Star	See updated sections per RFI 145 Response.
189	ER	Ductbank Section 2 calls out 8 -3" feeder conduits and 2 -2" fiber optic conduits. This does not appear to be correct. The same section is called out to the existing junction box? From the MH-03 to the clarifier ductbank section 6 on Dwg 01-E-07 which does not exist and then changes to section 7 on Dwg 01-E-07 which also does not exist.	01-E-03	26	7/22/24	7/31/24	8/2/24	4	David Star	This has been clarified in the RFI 142 response.
190	ER	Please clarify where Nema 4x and 3R enclosures are required for electrical equipment.		26	7/18/24	7/31/24	8/2/24	4	David Star	26 05 00 Table A identifies NEMA ratings and materials for electrical enclosures and locations.
191	ER	What is the required Nema rating for 'SWG-2140'?		26	7/18/24	7/31/24	8/2/24	4	David Star	Per specification 26 05 00 Electrical room is NEMA 1.
192	ER	Keynote #1 on Sheet 87-E-01 call to relocate existing Panel 87-LCP-2200 from the Pipe Gallery. Please clarify where the Pipe Gallery & existing Panel 87-LCP-2200 are located.	87-E-01	26	7/18/24	7/31/24	8/2/24	4	David Star	It was previously called LCP 2200 and is just South of the stairs in the Filter Building Pipe Gallery.
193	ER	Disconnects tagged 30-DS-00010 are used in 2 separate locations on sheet 35-E-08. Please clarify these duplicates.	35-E-08	26	7/18/24	7/31/24	8/2/24	4	David Star	Couldn't find a 30-DS-00010 duplicate. I did Find a 35-DS-00010 duplicate tag. The tags have been updated to 35-DS-00010A and 35-DS-00010C. Both disconnects are still required.
194	NCG	Do we have a design doc hierarchy? Something in the notes or specs to state which design documents take precedent over the other in the event of a discrepancy.			7/18/2024	7/29/24	7/30/24	3	Adam Jones	See Section 00 72 00 General Conditions: "The CONTRACTOR shall report, in writing, to the ENGINEER any conflict, error, or discrepancy, and any unclear, vague, or undefined scope that the CONTRACTOR may discover and shall obtain a written interpretation or clarification from the ENGINEER before proceeding with any Work affected thereby."
195	EMB	Are we to use the Steel Angle Lintel Schedule on GS-31 or the Masonry Ledgers called out on GS-27. details E, F, & G?	GS-31 & GS-27	5	7/22/2024	7/29/24	7/30/24	3	Cody Hawkes	Use the loose lintel schedule on GS-31 for openings 9ft or less. Otherwise use the angle with embeds in masonry per details E, F, and G on GS-27

Item #	Individual	Issue	Drawing / Specification Reference	CSI Division	Date Submitted	Response Date	Date Issued In Addendum	Addendum #	Responder	Response
196	ER	Conduit labeled RC89PIT00013 does not appear in the conduit schedule. Conduit labeled RC70SWGR2140 does not appear in the conduit schedule. Conduit labeled RC89PIT00013 should be labeled RS89PIT00013. Conduit labeled RC89PIT00023 should be labeled RS89PIT00023. Conduit labeled RP01LCP00010 should be labeled RP01LCP00020, but it is missing from the conduit schedule	03-E-01	26	7/22/2024	7/31/24	8/2/24	4	David Star	RFI 142 response clarifies these items.
197	ER	There is a feeder from SWGR-2140 to OPS BLDG ATS. Is this the existing ATS2150?	70-E-21	26	7/22/2024	7/31/24	8/2/24	4	David Star	Yes the Ops Bldg ATS is the existing ATS. It is labeled ATS 2510 on sheet 03-E-01.
198	ER	There are no conduit/cable designations or sizes for all the panels and transformers	70-E-13	26	7/22/2024	7/31/24	8/2/24	4	David Star	See attached panel and transformer conduit and cable markups.
199	ER	The size and quantity of the feeder conduits from the pole to the utility transformer is not indicated	01-E03	26	7/22/2024	7/31/24	8/2/24	4	David Star	The requirements for the Service need to be coordinated with Rocky Mountain Power.
200	ER	The Electrical prints do not show the Fence grounding, only the building ground loop. Will there be revised prints or some type of direction on the fence grounding?		26	7/22/2024					
201	BDA	Add: Please add SEW Eurodrive as an accepted manufacturer to Section 40 05 21 as this is the standard motor for the MRI Hoseless Sludge Collectors. Please confirm as acceptable. Delete: "Associated control equipment shall be rated 120V"	46 43 80 1.03.A.14	46	7/22/2024	7/29/24	7/30/24	3	J Himebaugh	SEW Eurodrive is an acceptable manufacturer for the Hoseless Sludge Collectors. Will revise 40 05 21 to include SEW Eurodrive
202	BDA	Clarification: MRI standard control equipment voltage is 24V DC. Please confirm as acceptable.	46 43 80 2.04. C.4	46	7/22/2024	7/31/24	8/2/24	4	Adam Jones	120V requirement will be removed from specification. This will be updated in the IFC set.
203	BDA	MRI will supply anchor bolt calculations as part of the PE stamped submittal calculations. Please confirm is this is acceptable for the specified "proof loading test results."	05 05 20 1.03. A.7	5	7/22/2024	7/29/24	7/30/24	3	J Himebaugh	The proof load testing results discussed in Section 05 05 50 Paragraph 1.03.A.7 refers to the proof load testing discussed in Paragraph 1.04.A.2, which applies to post-installed anchors on the project. This proof load testing is performed by an independent laboratory contracted by the Contractor to test the installation of the anchor (which is performed by the Contractor rather than the Equipment Supplier). Thus, it is not part of the Manufacturer's scope of supply
204	ER	conduits for pumps 35-P-00100 and 00200 do not appear on the conduit schedule. Please advise.1. On sheet 3S-E-03 conduits for pumps 35-P-00100 and 00200 do not appear on the conduit schedule. Please advise.	35-E-03	26	7/22/2024	7/31/24	8/2/24	4	David Star	This info has been added to an enlarged plan on sheet 35-E-19 see attached drawing and schedule info.
205	ER	The conduit RC70LCP00020 on drawing 01-E-02 indicates that it is a run between 70-PLC-9000 and 70-LCP-00020. Is this a misprint or should this be a different conduit?	01-E-02	26	7/22/2024	7/31/24	8/2/24	4	David Star	Conduit RC70LCP00020 should run to the Ops Building PLC ACC 2100. This will be revised in the IFC set.
206	ER	Conduits RC01LSL0010, RC01LSM0010 and RC01LSH0010 on drawing 01-E-02 do not appear on the conduit schedule. Please advise.	01-E-02	26	7/22/2024	7/31/24	8/2/24	4	David Star	See response and attachment to RFI 145.
207	ER	Is panel 01-LCP-00015 on the P&ID the same panel as panel 01-LCP-00010 on sheet 01-E-02?	01-E-02	26	7/22/2024	7/31/24	8/2/24	4	David Star	Yes this is the same panel. The P&ID and the plan will be coordinated for the IFC set.
208	ER	Drawing 70-E-21 does not show a utility meter. RMP will require something outside and accessible to provide service to the property.	70-E-21	26	7/22/2024	7/31/24	8/2/24	4	David Star	Agreed Utility meter info will be added to 70-E-21 if it cannot be added to the equipment lineup in the Electrical room it will be installed on the Treatment Building North wall.
209	ER	Sheets 01-E-06 and 07 only have 5 duct bank details. The site drawings indicate that there are 8. Can we get the details on the missing details and have the other corrected.		26	7/22/2024	7/31/24	8/2/24	4	David Star	See RFI 142 response for details.
210	KJM	Section 40 05 31.19-2.01 Manufacturers. IPEX Guardian Centra-Lok system is the only manufacturer listed. Please confirm that an equivalent manufacturer will be acceptable. (i.e. GF Piping Systems, Asahi/America, Spears Mfg.).	40 05 31.19	40	7/22/2024	7/25/24	7/30/24	3	Ozzie Rojas	Yes. "Or approved equal" will be added to the spec. In general, alternative manufacturers are acceptable but need to be evaluated per the process outlined in the General Conditions.
211	KJM	Section 40 05 31.19-2.03-D Leak Detection. This spec references "powered" leak detection sensors. Please advise if this is required and provide the locations they are to be installed.	40 05 31.19	40	7/22/2024	7/25/24	7/30/24	3	Ozzie Rojas	"Powered" leak detection sensors will not be required for double containment piping. This requirement will be removed from 40 05 31.19. Provide visual leak detection B/GM-05.
212	BDA	46 41 41 1.01.A & 2.02.A, Please confirm whether these mixers require a mechanical seal or not? If they are not required, please remove and replace with "pedestal stand". If a sealing device is required, then please confirm type (single/double mechanical seal, face materials and other such requirements) or if it's a stuffing box or a simple vapor/dust seal.	46 41 41 1.01.A & 2.02.A	46	7/22/2024	7/29/24	7/30/24	3	J Himebaugh	Manufacturer is not required to provide a mechanical seal at the interface between the shaft and the process fluid, which would be at the support pad/gear reducer frame with pedestal interface as discussed in Paragraph 2.05.E of Section 46 41 42 unless required by the manufacturer to prevent infiltration of a lubricant into the process water below the support pad. However, manufacturer is required to provide seals to prevent leakage of any lubricant from their equipment (i.e., gearboxes, motors, shaft bearings)
213	BDA	46 41 42 1.05.A.7 & 1.05.B.6: Calculations of G-value will be with our standard catalog calculated impeller power number. Please confirm that this is acceptable.	46 41 42 1.05.A.7 & 1.05.B.6	46	7/22/2024	7/29/24	7/30/24	3	J Himebaugh	Engineer has no issue with the Manufacturer calculating the G-Value through the standard catalog calculated impeller power number as long as the following condition is met: As part of the submittal, manufacturer shall provide calculations showing the derivation of the Standard Catalog Calculated Impeller Power Number that factor in the following parameters specific to our application: [1] Temperature; [2] Viscosity; [3] Blade Width; [4] Number of Blades; [5] any other parameters that differ between our application and the catalog value
214	BDA	46 41 42 2.03.B - Schedule of Service Conditions - Impeller Diameter: Would you accept an alternative offering that included a smaller diameter impeller (such as 100" instead of 104") that still met the requested g-value?	46 41 42 2.03.B	46	7/22/2024	7/29/24	7/30/24	3	J Himebaugh	Use of a smaller impeller than specified is acceptable as long as the tip speed does not exceed 8 ft/s as required in Paragraph 2.05.D.2 in Section 46 41 42
215	BDA	46 41 42 2.02.A: In order to ensure only high-quality, specifically designed for mixing gearboxes are used on this project, we suggest that "bearing housing" be replaced with "mixing-designed gear reducer".	46 41 42 2.02.A	46	7/22/2024	7/29/24	7/30/24	3	J Himebaugh	Bearing housing discussed in Paragraph 2.02.A refers to bearings external to the gear reducer. No modification to the specification is required to allow for a specifically designed gearbox for a mixing application. Bearing housing would apply to any bearing external to the reducer should the design require an external bearing.
216	BDA	46 41 42 2.05.A.1: Please remove "support members" and replace with "pedestal stand". Support structures, etc. are outside of our scope of supply.	46 41 42 2.05.A.1	46	7/22/2024	7/29/24	7/30/24	3	J Himebaugh	The term "Support Members" as used in Paragraph 2.05.A.1 of Section 46 41 42 refers to any bracing or structural components required to support a component of the equipment due to its weight or orientation outside of the mounting discussed in Paragraph 2.05.E. If required, these supports remain the responsibility of the Manufacture to supply. The "Supporting Structure" as used in Paragraph 1.05.A.8 refers to the "Support Pad" discussed in Paragraph 2.05.E, which is outside the scope of the Manufacturer
217	BDA	46 41 42 2.05.C.5: Please change this to "Nominal Combined Shear Stress: Not to exceed 8,000 psi at maximum load." Most of the shaft stress comes from the bending moment, not from torsional shear.	46 41 42 2.05.C.5	46	7/22/2024	7/30/24	7/30/24	3	J Himebaugh	Requirement is to regulate the percent utilization of the available stress in the shaft as it pertains to the combined stress (tensile and shear stresses) under maximum load. Assuming the Manufacturer performs the analysis using the maximum shear stress theory and limit the maximum shear stress of the maximum of the three combined shear stresses, then Paragraph 46 41 42 Paragraph 2.05.C.5 shall read as follows: "Maximum combined shear stress using the Maximum Shear Stress Theory: Not to exceed 8,000 psi at maximum load. Stress shall take into consideration any stress concentration, shock or fatigue factors applicable for the application."

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218	BDA	46 41 42 1.03.C.1.b: Please remove this requirement, this will add significant lead time and cost to the project to do a factory wet full load test. We recommend having our standard no-load test of the gearbox and motor - as this will alert you of many common issues if any are present, and we will be able to catch most sources of leaks, and check noise, and check vibration during this time. The field testing will allow us to complete the testing for full operating oil temp. We can also do a check with gear marking compound for gear contact pattern acceptability upon request for a small price adder. If the above is not acceptable, we request that the last part of this requirement be changed so that in the gear contact test, the gear marking compound is applied before the load testing - I'm not aware of a gear marking compound that is added to the oil, the way we would do it is apply the gear marking compound, check for proper contact, and then add the oil for the load test, which will remove the gear marking compound as the mixer operates.	46 41 42 1.03.C.1.b	46	7/22/2024	7/30/24	7/30/24	3	J Himebaugh	The unit shall be run at the factory under no-load. During this period, sound levels shall be measured at a distance of 3 feet from the unit and recorded in accordance with AGMA 297.02. Regardless of gear speed, sound level shall not exceed 85 dBA. During the test period, the unit shall be monitored for oil leaks, excessive lubricant temperature, and excessive vibration. Any causes for leaks, excessive sound, vibration, or excessive lubricant temperature shall
219	BDA	46 41 42 2.05.D.2: Would you accept an alternative offering that included a mixer that had a slightly higher impeller tip speed (above 8 ft/s, but less than 9 ft/s)? Our standard for flocculation applications is up to 10-12 ft/s.	46 41 42 2.05.D.2	46	7/22/2024	7/30/24	7/30/24	3	J Himebaugh	be corrected before shipment. Manufacturer shall check for proper contact between the gear teeth using a suitable gear marking compound. Test shall be repeated under full load at maximum speed in the field as part of the field performance testing discussed in Section 3.02 of this Section. Any causes for leaks, excessive sound, vibration, or excessive lubricant temperature shall be the responsibility of the manufacturer to correct.
220	BDA	46 41 42 2.05.E.3: Please clarify that the anchor bolts are to be provided by the contractor, not the mixer manufacturer.	46 41 42 2.05.E.3	46	7/22/2024	7/30/24	7/30/24	3	J Himebaugh	Specification clearly defines the responsibilities of the manufacturer in terms of sizing anchorage and providing the information as part of the submittal process (calculations, anchor layout, etc.). The Contractor may choose to provide the anchorage as part of their scope or require the manufacturer to provide the necessary anchorage. Thus, the decision needs to be clearly defined in the contract between the manufacturer and Contractor. However, the installation of the anchors shall remain the responsibility of the Contractor
221	BDA	46 41 42 2.07.A: Please confirm whether you intend to have the stainless steel wetted parts to be pickled (is passivated needed as well)? Our standard finish for the shafts is turned, ground & polish or equal (surface finish to be 45 RA or better) - please confirm if our standard would be acceptable instead?	46 41 42 2.07.A	46	7/22/2024	7/30/24	7/30/24	3	J Himebaugh	See Addendum 3 for response
222	BDA	01 45 20 2.02.A.2.a: Please confirm whether this is required for the mixers, and if so - do standard material & chemical certs suffice?	01 45 20 2.02.A.2.a	1	7/22/2024	7/30/24	7/30/24	3	J Himebaugh	Paragraph 2.02.A.2.a does apply to the mixer equipment specified in Section 46 41 42. Requirement may be fulfilled through the submittal of material and chemical test reports for the specific metal heats applicable to the material as supplied by the mill at the time of purchase. Specific testing of the materials by the manufacturer (Such as PMI testing) is not required.
223	BDA	01 45 20 2.02.A.2.c: Please confirm whether this is required for the mixers on this project - as this will add significant cost and is not something we the manufacturer believe is necessary over our 50+ years of experience in mixing.	01 45 20 2.02.A.2.c	1	7/22/2024	7/30/24	7/30/24	3	J Himebaugh	Protection during shipping remains the responsibility of the Manufacturer. Manufacturer shall ensure equipment is packaged and protected in accordance with Section 01 66 00. Manufacturer shall use a reputable company with experience in shipping similar materials. Use of an accelerometer to monitor forces on equipment during shipping is at the discretion of the Manufacturer. However, any damage incurred during shipment remains the responsibility of the Manufacturer to repair and/or replace at no expense to the Owner.
224	BDA	01 45 20 2.02.A.2.b & 2.02.A.2.f: Please confirm that testing for mixer g-value is not included in these tests and that calculated results for g-value performance is acceptable.	01 45 20 2.02.A.2.b & 2.02.A.2.f	1	7/22/2024	7/30/24	7/30/24	3	J Himebaugh	Field or Factory Testing as referenced in Paragraph 3.02.C of Section 46 41 42 and defined in paragraphs 2.02.A.2.b and 2.02.A.2.f of Section 01 45 20 does not require physical testing in the factory or field to verify mixer G-Value. Mixers shall be factory tested and field tested to the extent defined in Paragraph 1.03.C and Paragraph 3.02 of Section 46 41 42, respectively.
225	BDA	01 45 23 1.05.G: Please confirm whether this is required for the mixers on this project and if so - do standard material & chemical certs suffice?	01 45 23 1.05.G	1	7/24/2024	7/30/24	7/30/24	3	J Himebaugh	In this situation, the cost of testing material would be borne by the Contractor, who at their discretion, may impose on the Manufacturer for failing to meet the requirements of the specification. Regardless, the cost shall not be borne by the Owner
226	BDA	43 05 21 2.05.I: Are space heaters required for the mixer motors?	43 05 21 2.05.I	43	7/22/2024	7/31/24	8/2/24	4	David Star	Provide winding heaters for the mixers. This will be added to the IFC spec 46 41 42.
227	EMB	Aluminum C12x12.1 called out for the stair stringers is not a standard size. Will C12x11.822 be sufficient?		5	7/22/2024	7/26/24	7/30/24	3	Cody Hawkes	Yes, a C12x11.8 is acceptable as a replacement.
228	EMB	Aluminum WF10x11.4 called out for stair supports is not a standard size. Will WF10x10.286 be sufficient?		5	7/22/2024	7/26/24	7/30/24	3	Cody Hawkes	Yes, a WF10x10.3 is an acceptable replacement.
229	BDA	40 05 59.23.1.06.B.1: This an extremely rare request and provides no real advantages. Ferrous contamination does happen with incidental contact, but rather with the use of a forklift forks, crane cables and tools. Shrink wrap does not offer protection from these contact elements. Is shrink wrap required?	40 05 59.23.1.06.B.1	40	7/22/2024					Purpose of the shrink wrap requirement defined in Section 40 05 59.23 Paragraph 1.06.B.1 is primarily to prevent exposure to salts and other contaminants during shipping between the point of fabrication and the job site. The risk typically exists during the winter months due to salt spray. Manufacturer may choose means of protecting equipment. In lieu of Paragraph 1.06 as it is currently written, the Paragraph shall read as follows: (See Addendum 3 for new paragraph verbiage)
230	BDA	Section 3 / 35-M-15 shows the 24" x 24" Slide Gate, 50-GT-10010. Please confirm the invert elevation. Drawing G-17 – Gate schedule – Calls for a self-contained frame. Drawing 35-M-15 clearly shows a floor mounted pedestal. Please confirm which frame design is desired.	40 05 59.23 / 35-M-15	40	7/22/2024	7/31/24	8/2/24	4	Adam Jones	The following gate inverts shall be updated to provide a minimum of 6" to accommodate gate's bottom channel. - Gate 50-GT-100010 invert shall be 5327'. Section 2 on 35-S-30 will be updated in the IFC set. - Gate 70-GT-00020 invert shall be 5306.83'. Section 6 on 70-S-01 will be updated in the IFC set. - Gate 70-GT-00030 invert shall be 5306.83'. Section 6 on 70-S-01 will be updated in the IFC set.
231	BDA	Drawing G-17 – Gate schedule – Calls for a self-contained frame. Drawing 35-M-15 clearly shows a floor mounted pedestal. Please confirm which frame design is desired.	G-17	40	7/22/2024	7/29/24	7/30/24	3	Adam Jones	Provide gate frames per gate schedule on G-17.
232	BDA	G-17, please provide the design heads for all four of the SST Slide Gates.	G-17	40	7/22/2024	7/29/24	7/30/24	3	Adam Jones	<ul style="list-style-type: none"> • 50-GT-10010 - 5 ft • 70-GT-00010 - 2 ft • 70-GT-00020 - 6 ft • 70-GT-00030 - 6 ft
233	NCG	Who is the approved vendor for DDC controls or building automation (Div. 23 0900)?			7/22/2024	7/26/24	7/30/24	3	Win Packer	The intent is for the HVAC equipment to be provided with independent standalone controls and not a full Building Automation System. Specification section 230900 is intended to provide supplemental information to install the controls components, including interlocks, dampers, actuators, etc. but they are intended to be open source local controls and not a central DDC system with a specific vendor.
234	NCG	Graywater and blackwater tanks are referenced on 35-P-03, but there is no additional detail of these tanks anywhere else in the construction documents. Please provide more details on these tanks including a piping schematic, the depth of the tanks, and/or size of the tanks.	35-P-03		7/22/2024	7/29/24	7/30/24	3	Adam Jones	These are the treatment building drainage sump and treatment building recycle sump. See 35-S-05, Section 1/70-S-11, 35-M-03, Section 2/35-M-17, Section 2/35-M-15, 35-PI-32, 35-PI-33.

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235	KJM	Sheet NG-01 shows two "TREATMENT BUILDING IT / NETWORK ENCLOSURE" cabinets with no designation. Are these two separate cabinets or are they the same cabinet? Where are these cabinet(s) located? The drawings are not clear on what type or size of panel(s) these are. I assume they are 19" enclosure racks. Please provide additional information.	NG-01	40	7/22/2024	7/27/24	7/30/24	3	Burt Otani	The Treatment Building IT/Network enclosure has a designation of 35-PLC-9007 and has been added to the control panel schedule. This enclosure is to be located in the Treatment Building Control Room. This enclosure will be based on a 19" rack with forward and rear hinged doors. An enclosure detail drawing will be forthcoming.
236	KJM	The Filter Building has a "CONTROL ROOM" shown on 70-E-09. I can't tell what is in this room. I assume the network cabinet. But is there a desk with a workstation that isn't shown on the network diagram? Where is the Filter Building "IT/NETWORK ENCLOSURE", "FILTER AREA PLC ENCLOSURE", and "CLEARWELL PLC ENCLOSURE" located? Please confirm that the "FILTER AREA PLC ENCLOSURE" is to be NEMA 4X rated.	NG-02, 70-E-09	40	7/22/2024	7/31/24	8/2/24	4	David Star	Drawing 70-E-10 enlarged plan includes the "Control Room". The two PLC's are located on this drawing. 35-PLC-9000 and 70-PLC-9000. Filter is 35 and Clearwell is 70. There will be a desk and workstation under the window. Network enclosure is also noted on this plan. Both PLC enclosures can be Nema 1 or 12 and do not need to be NEMA 4X in these locations.
237	KJM	A Fiber Patch Panel is shown in the Clearwell PLC enclosure on sheet NG-02, but no fiber is being routed to it. It is assumed this isn't needed.	NG-02	40	7/22/2024	7/27/24	7/30/24	3	Burt Otani	The fiber patch panel for the Clearwell PLC enclosure has been removed.
238	KJM	Section 40 66 13 Switches and Routers – The listed manufacturers is Cisco, Phoenix Contact, or approved equal. The City has standardized in Cisco. Please confirm that Cisco will be required.	40 66 13	40	7/22/2024	7/27/24	7/30/24	3	Burt Otani	Network switches/routers shall be Cisco.
239	KJM	All the ultrasonic level transmitters have been changed to radar level transmitters. We assume that all radars will be loop powered. Please confirm.	40 72 00	40	7/22/2024	7/27/24	7/30/24	3	Burt Otani	Loop-powered radar level transmitters shall be used.
240	KJM	Level Switches LSHH00010 and LSL00010 on 03-PI-01 and LSH00020 and LSL00020 on 03-PI-02 have been changed to side-mounted, conductivity-type level switches (LCS), per the RFI log. These are not included in the specification 40 72 00. Will the specification be updated?	40 72 00	40	7/22/2024	7/27/24	7/30/24	3	Burt Otani	Section 40 72 00 has been updated to include the conductivity-type level switch.
241	KJM	Magnetic flow meter 50-FE-00020 appears on the flow meter list (G-18) and the mechanical (35-M-04 and 70-M-04) and electrical layout (35-E-03) but does not appear on the instrument list or P&ID's. Is this existing or does it need to be added?	G-18, 35-M-04, 70-M-04, 35-E-03	40	7/22/2024	7/27/24	7/30/24	3	Burt Otani	FE/FIT-00020 is shown on the most recent version of 35-PI-34. The instrument was inadvertently listed as FE/FIT-10055 in the instrument schedule and 35-PI-34 and has been revised.
242	KJM	Looking through the plans, the only instrument that will need a sun shade is the 60-LIT-00012 at the Clarifier. Please confirm.		40	7/22/2024	7/27/24	7/30/24	3	Burt Otani	At this time, the clarifier level transmitter appears to be the only instrument requiring a sunshade.
243	KJM	How do we know which instruments will require stands? How do we know the height of the stands? Is there a requirement somewhere for the material of the stand? Often these end up being aluminum. In detail I21003 on GI-12 it shows the ultrasonic head screwing into the bottom side of a blind flange. We are now going with radar instead of ultrasonic. Does this change the detail configuration? Which instruments are required to come with a flange?	GI-12	40	7/22/2024	7/29/24	7/30/24	3	Burt Otani	The height of the stands should be around 54" - 60" above the floor. The materials for the stands shall be galvanized steel.
244	KJM	A Router and Enterprise Ethernet Switch are shown but 40 66 13 Switches and Routers doesn't reference anything for routers. I can assume that the Enterprise Ethernet Switch is a Cisco IE9320 per the specification (this is double the price of Cisco's standard switch that the City would use for their typical business switch). Please advise.	40 66 13	40	7/23/2024	7/27/24	7/30/24	3	Burt Otani	Detail I21003 shall be revised to address the radar level transmitter instruments. The instrument schedule will be revised to address flange-mounted level instruments.
245	KJM	Panel 40 66 13 is assumed that all the PLC/network panels will not require air conditioning. Please confirm.								
246	KJM	Section 40 67 00 2.02.D doesn't really say if the panels need to be ventilated, air conditioned, or neither. The best case is that no ventilation or air conditioning is required. This would be true in tempered spaces. If ventilation is required, it needs to be in a non-corrosive area, and this only applies for panels that aren't NEMA 4X. The NEMA 4X boxes would potentially need NEMA 4X air conditioners/heaters and that is a lot of cost/power and the panels at the other two plants don't have them.	40 67 00	40	7/23/2024	7/27/24	7/30/24	3	Burt Otani	For locations where the new PLC and network enclosures are to be located in environmentally controlled areas, A/C will not be required.
247	MCL	Can form saver be used for the top and bottom reinforcing?		03	7/23/2024	7/26/24	7/30/24	3	Cody Hawkes	Yes approved formsavers that develop the reinforcement may be used for top and bottom reinforcement at the contractor's option.
248	MCL	Vertical reinforcing appears to be in conflict with the water stop. Will water stop need to be weaved between the vertical reinforcing, or will the reinforcing need to be offset to allow for the water stop?		03	7/23/2024	7/26/24	7/30/24	3	Cody Hawkes	Please provide clarification on which conditions are being referred to. In general, the waterstops are located between the layers of reinforcement (see C/GS-06).
249	MCL	Can a construction joint be placed in the exterior walls where the intermediate slabs meet the walls?		03	7/23/2024	7/26/24	7/30/24	3	Cody Hawkes	yes, a joint may be made at the suspended slab (see F/GS-20).
250	MCL	GS-24(D) water stop is not shown in the actual joint is this an error?	GS-24(D)	03	7/23/2024	7/26/24	7/30/24	3	Cody Hawkes	Yes, the waterstops are needed at the joints not inside the beam as shown. Drawings will be updated for IFC set.
251	MCL	Plan detail GC-24(L) shows a bend in the upper layer of rebar to accommodate the water stop. This kind of bend is not constructable. Please advise an alternate.	GS-24(L)	03	7/23/2024	7/30/24	8/2/24	4	Nic Oltean	As noted on GC-24: "SEE PROCESS FOR PIPE PENETRATIONS AT STRUCTURE". See GM-03 Standard Mechanical Details for Pipe Penetration Details.
252	MCL	Is there any required mechanical equipment that needs to be installed before elevated slab formwork can commence?		03	7/23/2024	7/24/24	7/30/24	3	Benjamin Andersen	Looking at the model with Matt Lewis, there isn't any place where the process equipment would need to be installed prior to shoring and placing an elevated slab. SLCDPU can submit a project-specific waiver to FEMA for their consideration or product-specific waivers for the referenced large gear components. The review and approval process of a product-specific waiver is no shorter than 2 months. The waiver request process is documented in BABAA Best Practices prepared by FEMA's Procurement Disaster Assistance Team, which is available online. SLCDPU requires more specific information regarding cost, non-availability, lead times, etc. if a waiver submission is required. Waiver types available for a Project-Specific Waiver include "Nonavailability" and "Unreasonable Cost". Please refer to the latest version of FEMA's BABAA Best Practices document for cost, technical specification info, and more that are required for a waiver submission.
253	ER	The suppliers for the large gear components (e.g.) VFD's, MCC, etc. will not be able to meet the BABAA requirements. Waivers will be needed, if waivers are not granted will you supply a list of suppliers who do adhere to BABAA		26	7/23/2024	7/30/24	7/30/24	3	Jared Carr	The cover seal shall be submitted as part of the dome drawing submittal. Further details of such seals in the contract documents will not be provided as they will be specific to the dome supplier.
254	BDA	Specification 13 33 13, 1.01.E.1 notes that the cover seal shall be as detailed on the drawings. There are no details provided in the drawings. Please Advise	13 33 13	13	7/24/2024	7/25/24	7/30/24	3	Corey Price	Mill finish is acceptable per the spec section quoted. "Plate and sheet material shall be mill finished on the interior and exterior." It is understood that a mill finish will reflect sunlight. The intent of the specification is to not have a polished finish that reflects more intensely.
255	BDA	Specification 13 33 13, 2.03.B.1 indicates to be a mill finish. Dome shall not exhibit a bright, shiny, polished exterior which may reflect sunlight intensely. A mill finish will reflect sunlight until natural oxidation occurs that will dull the finish over time. Please Advise.	13 33 13	13	7/24/2024	7/25/24	7/30/24	3	Corey Price	The intent of the specification is to not have a polished finish that reflects more intensely.
256	BDA	Specification 13 33 13.2.03.D, would you consider revising "Gaskets shall be nopenre or silicone...." Please Advise.	13 33 13	13	7/24/2024	7/25/24	7/30/24	3	Corey Price	Silicone meeting NSF 61 would be considered if submitted in lieu of neoprene.
257	BDA	Specification 13 33 13.2.05.A Access Hatches. Framing for access hatches...size and locations shown on the drawings. Details are not shown on the drawings. Please provide sizes and quantities.	13 33 13	13	7/24/2024	7/25/24	7/30/24	3	Corey Price	Access hatches are not required due to dormer access.
258	BDA	Specification 13 33 13.2.05.B Air Duct Connections. CST will coordinate and provide all penetrations/connections for the system, but will not design and provide the system itself. Please provide diameter and locations of the pipe penetrations.	13 33 13	13	7/24/2024	7/31/2024	8/2/24	4	Adam Jones	Ventilation system design will be provided in the IFC set. Contractor shall procure and install ventilation components. Geodesic dome manufacturer shall provide 2 penetrations (one for a fan and another for louver). Penetrations shall be designed to support fan and louver. Ventilation equipment weights and sizes will be provided in the IFC set.
259	BDA	Specification 13 33 13 3.01.C the membrane shall be installed..joints between the membrane and aluminum structures shall be made with mechanical fasteners as shown on the drawings. The details are not shown in the drawings. Please provide the details for review and consideration.	13 33 13	13	7/24/2024	7/25/24	7/30/24	3	Corey Price	Drawings noted are intended to be the dome submittal drawings, not contract documents.
260	BDA	Specification 13 33 13.3.02 Testing. Covers shall be tested for substantial air-tightness and other requirements as noted herein. Method of testing shall be as submitted in accordance with Section 01 33 00.. The actual testing method is not described. Please specify testing requirements, including pass/fail rates. Section 10 33 00 describes method to which the testing needs to be submitted. Please Clarify.	13 33 13	13	7/24/2024	7/25/24	7/30/24	3	Corey Price	Please submit the dome supplier's chosen method of testing for review.

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261	BDA	There is discrepancy between Contract Drawings 60-A-02, 60-S-01, 60-S-02, and 60-M-01, along with additional information needed. 1. Please confirm that two doormers at 180 degrees, per 60-S-01 is correct. 2. Please confirm that it is the clients intention to keep dome profile at 10' maximum. 3. Please provide details of the location of the bridge relative to the top of the tank. 4. The elevation of the bridge is needed in order to clear the tension ring. Please provide this information.	13 33 13 / 60-A-02 / 60-S-01 / 60-S-02 / 60-M-01	13	7/24/2024	29-Jul	7/30/24	3	Corey Price	1. Correct. 2. There is no set limit to the height. The height of the dome should be kept reasonable to meet requirements for dormers and keep center bridge walkable. 3. and 4. Some coordination between dome supplier and bridge supplier will be needed. Per Amanda Stout, The contractor is required to verify all dimensions and elevations. Survey data indicates the top of concrete of the clarifier wall is +/- 5313.5. Keynote 1 on 60-DM-01 & 60-DM-02 says: Remove and replace bridge, clarifier drive, and clarifier mechanism per specifications. Bridge elevation shall accommodate dome tension ring and have an integrated step. Coordinate with dome manufacturer. Provide minimum 7 inches above clarifier top of concrete.
262	KJM	RFI #34 asks a question about whether a Drain line is 12" or 10". The answer doesn't reference that system. We have assumed it to be 10" to match two out of the three Civil Drawings, as well as the Mechanical drawings, best shown on DWG. 35-M-07.	01-C-21, 01-C-22, 01-C-75, 35-M-07	40	7/24/2024	7/30/2024	8/2/24	4	Nic Oltean	North side drain line is 10" DR see figure attached. This will be updated with IFC set.
263	MCL	Detail C/35-A-11 States to see STRUCTURAL drawings regarding the framing for the canopies over the doors at the Treatment Plant. The Structural drawings don't show the canopies at all. Please advise as to the structural framing/connection to building required for the canopies above doors shown on the roof plan on 35-A-01 and in elevations.	C/35-A-11 35-A-01	10	7/25/2024	7/25/2024	7/30/24	3	Greg Short	Detail D/GS-23 Contractor may use Section 40 05 65.23 in lieu of Section 40 05 65.16 for all check valve instances that are not specific to a pump for the following Schedules:
264	KJM	Pipe system calls out for Check Valves to be per 40 05 65.16. Section 40 05 65.16 valves is missing in specs. Are we to use the 40 05 65.23 section?	40 05 65.16	40	7/25/2024	7/30/24	7/30/24	3	J Himebaugh	40 05 02.23 40 05 02.27 40 05 02.43 40 05 02.53 40 05 02.AA All check valves specific to a pump or a set of pumps within these line classes shall be in accordance with Section 40.05.65.31, which is attached to this RFI.
265	MCL	Clarifier- What is the finish on the underneath side of the roof both exterior and interior at the clarifier? What is the floor finish at the clarifier, sealer/hardener? Is there any insulation in the walls of the clarifier? Does the clarifier need a fire extinguisher? Is there any waterproofing requirements for the clarifier building?			7/29/2024	7/31/2024	8/2/24	4	Greg Short	We are answering these questions for the vestibule construction. If they pertain to the clarifier itself they'll need to be answered by structural/mechanical. Provide FRP panel on 3/4" plywood for interior ceiling of vestibule. Section to be updated. Provide sheet metal finish for soffits at exterior. Section to be updated. Provide full batt insulation at stud framing. Provide one FE at vestibule. Provide air and water barrier (Tyvek Commercial Wrap or equal) at exterior sheathing.
266	MCL	Fluoride- What is the existing epoxy material to be removed and replaced at the fluoride building? Assume this material should be installed at the new addition space as well or should sealer/hardener be installed here? Atlas block is to get water repellent on the exterior, anything on the interior side? Does anything need to be done to the existing walls? Are the built-in shelves by contractor? If so, please provide additional information like how many and material. Water Treatment-			7/29/2024	7/31/2024	8/2/24	4	Greg Short	Exact type of existing epoxy is unknown. New epoxy only at containment floor and sumps. New concrete to receive sealer. Do not provide water repellent at structural brick. No work at existing walls. For built-in shelving provide Nexel model #WBB1337050 or equal.
267	MCL	Only found note to paint interior walls of Control and WC room and steel columns, please confirm this is the only interior paint other than HM doors and frames. Additionally, the walls at WC and Control room run to the deck, should there be a ceiling in either of those rooms, seems high for lighting effectiveness? How many fire extinguishers at the filter lower area? Assume the Clearwell/Intermediate level and filter lower level also receive sealer/hardener based on previous RFI answer? Are the freestanding shelves by contractor? If so, please provide additional information.			7/29/2024	7/31/2024	8/2/24	4	Greg Short	All interior CMU to be painted. No interior steel to be painted. Provide SAC at restroom and control room. Spec to follow. IFP drawings include 4 FEs at lower level. Yes, all concrete new concrete flooring to receive sealer per spec 09 90 00. Revise freestanding shelf to wall-mounted shelf, Nexel model #WBB1137050 or equal.
268	ncg	We believe the SU (Structure Underdrain Specification on Piping Schedule 40 05 02.CC) is missing from the specification. Please clarify. This effects sheet 01-M-01 for the 4" and 8".	40 05 02.CC	40	7/29/2024	7/29/2024	7/30/24	3	Kevin Maguire	This specification is included. Please see page 1610 of the 90% GMP Specifications PDF
269	ncg	Sheet 35-M-03, the FTW shows as ductile. The FLT is not shown. In the prebid meeting, it was mentioned that this would be Welded Steel Pipe. Please clarify.	35-M-03	40	7/29/2024	7/29/2024	7/30/24	3	Kevin Maguire	Please reference RFI #90 for the FLT system
270	MCL	RE: RFI 30 PROCORE RFI 28 - The response given points to detail G/GS-19. This detail has no information about suspending and concrete encasing piping in the overhead. We are currently unable to coordinate what piping is actually being encased in the overhead. Can you clear this item up?	03		7/29/2024					
271	MCL	Please clarify where the water source will be located on the site for doing testing?	03		7/30/2024	7/31/2024	8/2/24	4	Adam Jones	Non potable water source shall be from Contractor's dewatering system, city creek upstream of plant intake, or the plant upper reclaim pipe. Process water source shall be from CCWTP hydrants, plant process pipes, or backwash tank. Process water use shall have a maximum daily volume allotment of 400,000 gallons metered at a rate no more than 300gpm except for new filter backwashes as described below or as otherwise coordinated with Owner and Engineer on a case-by-case basis. Filter media installation will require multiple backwashes of up to 92,000 gallons of water per wash. To reduce impact to direct filtration operations, only 2 backwashes are allowed per day. Contractor shall accommodate this in the project schedule. Water discharged to the CCWTP Clarifier or drying beds shall be 185,000 gallons per day or less and only as previously coordinated with Owner.

Item #	Individual	Issue	Drawing / Specification Reference	CSI Division	Date Submitted	Response Date	Date Issued In Addendum	Addendum #	Responder	Response
272	MCL	Please clarify where the water discharge point will be on the site?	03		7/30/2024					See Section 01 57 00 Paragraph 1.01.B.4. Engineer assumes RFI refers to discharge of water used during construction or testing and startup of the new treatment process to City Creek. All discharges to the creek shall meet requirements in Section 01 57 00 Paragraph 1.01.B.4 including compliance with the City's MS4 permit and UPDES UTG permit.
273	MCL	We have concerns about the concrete pumping on the site given the tight work area. Would it be possible for Haskell to provide some direction on pump locations for the site?	03		7/30/2024					
274	MCL	Sheet GA-01 Code Summary under the Fire Protection Systems section states "Sprinkler system not provided per arrangement with Fire Dept in AM&M dated XX/XX/XX". On the same sheet under Means of Egress section Egress it states "No Sprinklers". Is this building to be completely protected by a fire sprinkler system?	GA-01	21	7/30/2024	7/31/2024	8/2/24	4	Greg Short	IFP drawing was updated to read "dated June 24, 2024" which is when the AM&M was approved. The building is not provided with sprinklers per this arrangement. Only the SIP room has automatic sprinklers. Due to the limited coverage these are tied into the potable water system rather than requiring a standalone sprinkler system.
275	MCL	Sheet 87-A-01 Fluoride-Code Summary states "Exception: Sprinklers not provided per arrangement with Fire Department in AM&M dated XX/XX/XXXX. Does this building have a fire sprinkler system?"	87-A-01	21	7/30/2024	7/31/2024	8/2/24	4	Greg Short	IFP drawings were updated to read "dated June 24, 2024" which is when the AM&M was approved. This building does not currently have nor is being provided with sprinklers per this arrangement.
276	MCL	Specification section 21.13.13 1.05 A 1 says the fire sprinkler riser is to be in the "northeast utility room" please clarify the location of this room on the architectural floor plan.	21.13.13 1.05 A 1	21	7/30/2024	7/31/2024	8/2/24	4	Adam Jones	Fire sprinkler riser is not required. Section 21.13.13 will be revised in the IFC set. Treatment building only requires a limited area fire sprinkler system per 70-P-02 Keynotes 3, 4 and 5.
277	MCL	Sheet 70-P-02 key notes 3, 4, and 5 provide direction on the where a single fire sprinkler is to be installed in the SIP TB102. These notes conflict with the Division 21 specifications. Please clarify if the drawing notes or specifications take precedence. Please confirm that the SIP TB102 room is the only area of the building protected by fire sprinklers.	70-P-02	21	7/30/2024	7/31/2024	8/2/24	4	Adam Jones	Provide a limited area fire sprinkler system per 70-P-02 Keynotes 3, 4 and 5. This is the only fire sprinkler system required. Section 21.13.13 will be revised in the IFC set.