

**ADDENDUM NO. 1**

DATE: September 01, 2022

PROJECT: Benton Washington Regional Public Water Authority
Phase 1A – Water Treatment Plant Improvements – 4MG Elevated Storage Tank
Rogers, ArkansasNEW BID DATE: **September 21, 2022 at 1:00PM**

This Addendum forms a part of the Contract Documents and modifies the original documents provided to Bidders, as noted below. Acknowledge receipt of this Addendum in the space provided in the BID FORM. Failure to do so may subject the Bidder to disqualification.

Item No. 1. Advertisement - Change Bid Opening Date and Modify Project description

- a. Sealed Bids for Water Treatment Plant Improvements – 4.0 MG Composite Elevated Storage Tank will be received by Benton Washington Regional Public Water Authority (BWRPWA), at its office, 15531 Woods Lodge Road, Rogers, AR 72756, until 1:00 PM Central Standard Time, ~~September 15, 2022,~~ **September 21, 2022**, at which time the Bids received will be publicly opened and read. The Project generally consists of the construction of a 4,000,000-gallon ~~prestressed composite elevated concrete~~ storage tank.

Item No. 2. Plans

- a. Remove sheet E02-Electrical Site Plan and replace with E02-Electrical Site Plan, Addendum No. 1
- b. Remove sheet 5-Elevation and Section and replace with sheet 5-Elevation and Section, Addendum No. 1

Item No. 3. Specifications

- a. Specification 331619-Composite Elevated Storage Tank. Modify Section 1.3 - System Description, Paragraph B - Operating Parameters, as follows:
 3. Maximum fill rate: ~~5,000~~ **14,000 gpm**
- b. Specification 331619-Composite Elevated Storage Tank. Modify Section 2.5 - Steel Tank, Paragraph C - Roof, as follows:
 1. Conical in shape with a slope ranging from 8:1 to 12:1. ~~The intersection of the vertical wall plate and the roof shall be configured with a 2-foot 6-inch high by 1-foot 6-inch wide transition knuckle.~~
 2. Domed roof with a radius between 0.8 and 1.2 times the tank diameter. ~~The intersection of the vertical wall plate and the roof shall be configured with a 2-foot 6-inch high by 1-foot 6-inch wide transition knuckle~~

- c. Specification 266700-Lightning Protection, Section 2.1 – Manufacturers, Add the following manufacturer as number 5:

5. Robbins Lightning, Inc.

END OF ITEMS

All other provisions of the Contract Documents remain unchanged. Acknowledge receipt of this addendum on the Bid Form. Bids must be received at Benton Washington Regional Public Water Authority office, 15531 Woods Lodge Road, Rogers, AR 72756 by 1:00 PM on September 21, 2022.



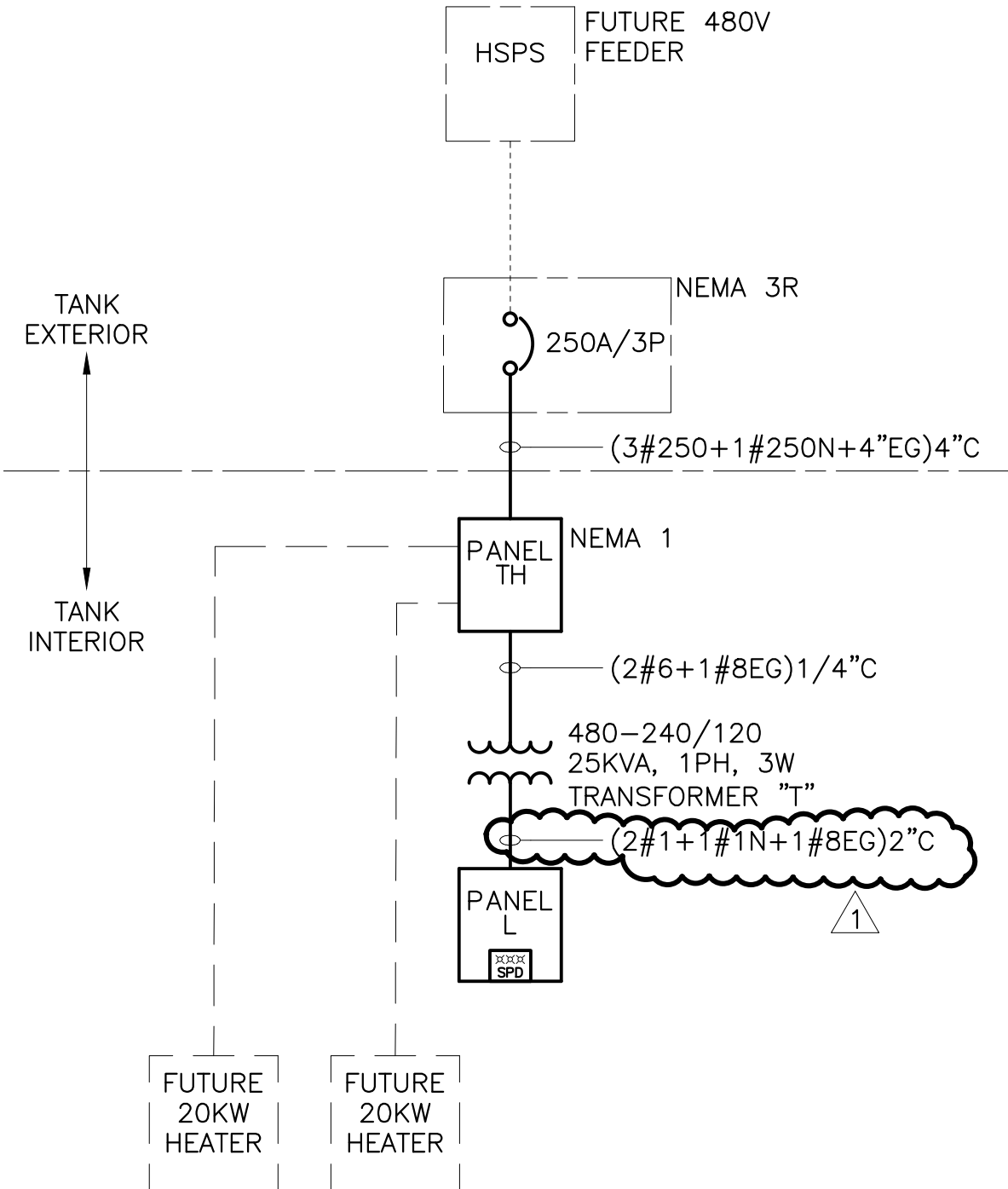
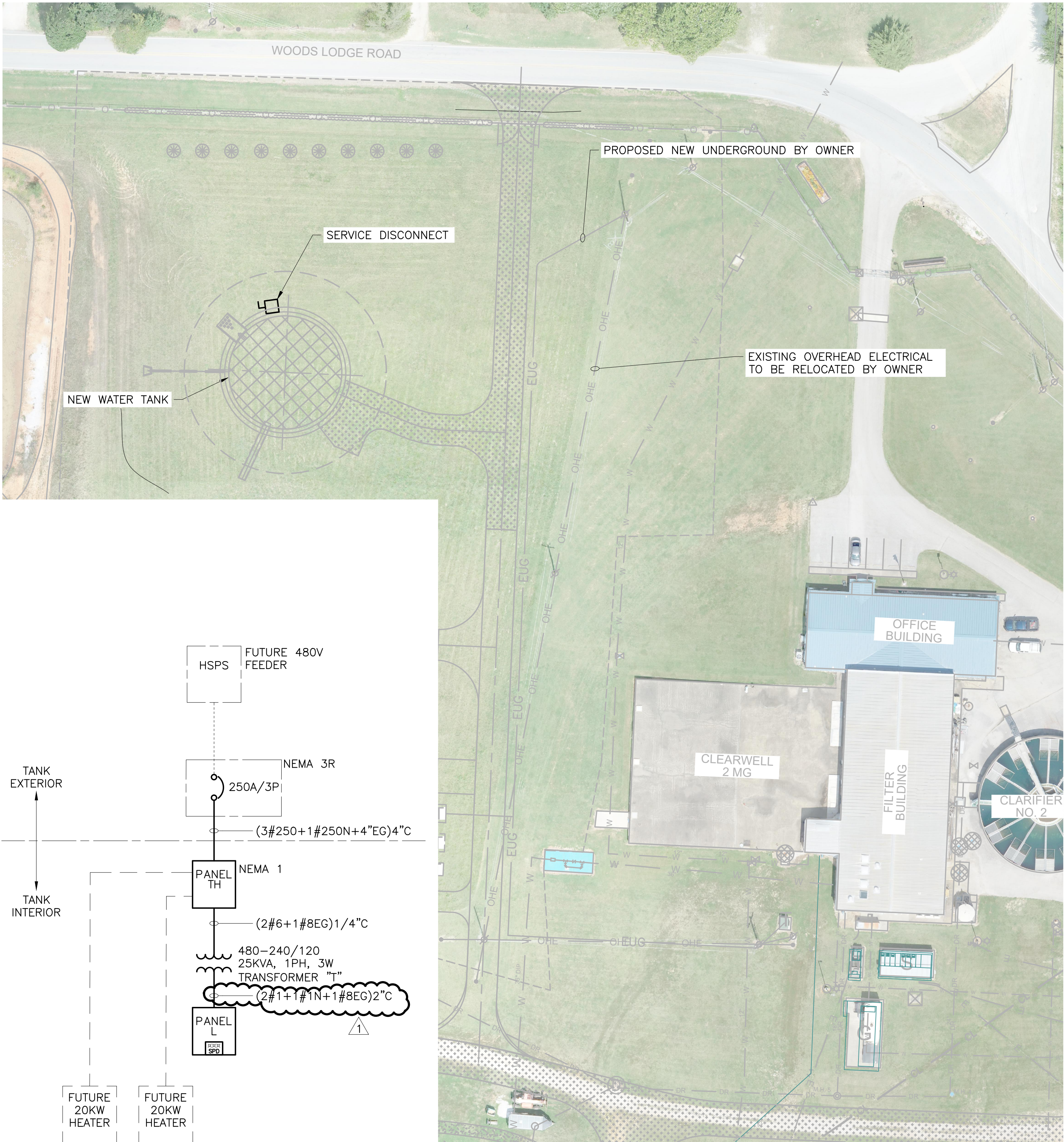
09/01/22

Matt Dunn, PE (Crist Engineers, Inc.)

Date

P:\PRODUCTION\PROJECTS\CRIST ENGINEERS (CRI)\CRI-024 BWPWA ELEVATED TANK\DWG\E02_SITE PLAN.DWG 8/31/2022 8:04 AM

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1
E2

ELECTRIC SITE PLAN
SCALE: NTS

PANELBOARD SCHEDULE											
PANEL: "L"		VOLTS: 240/120 1PH, 3W			MAIN: 125A MCB			35,000 AIC			
DESCRIPTION	BKR	NO.	A	B	A	B	NO.	BKR	DESCRIPTION		
RECEPTACLE GROUND FLOOR	20A/1P	1	0.900		0.000		2	60A/2P	SURGE PROTECTIVE DEVICE		
SPARE	20A/1P	3		0.000		0.000	4	—	SURGE PROTECTIVE DEVICE		
MEZZ RECEPTACLE	20A/1P	5	0.900		1.800		6	30A/1P	JIB CRANE		
TOWER RECEPTACLE	20A/1P	7		0.360		1.800	8	—	JIB CRANE		
SPARE	20A/1P	9	0.000		0.936		10	20A/1P	GROUND FLOOR LIGHTING		
EMERGENCY LIGHTS	20A/1P	11		0.018		1.078	12	20A/1P	MEZZ. LIGHTS		
SPARE	20A/1P	13	0.000		0.140		14	20A/1P	TOWER LIGHTING		
LIGHTS OUTDOOR	20A/1P	15		0.003		0.029	16	20A/1P	EXTERIOR LIGHTING		
SPARE	20A/1P	17	0.000		0.200		18	20A/1P	OBSTRUCTION LIGHT		
SPARE	20A/1P	19		0.000		1.000	20	20A/2P	HEAT TRACE		
SPARE	20A/1P	21	0.000		1.000		22	—	HEAT TRACE		
SPARE	20A/1P	23		0.000		1.000	24	20A/2P	HEAT TRACE		
SPARE	20A/1P	25	0.000		1.000		26	—	HEAT TRACE		
SPARE	20A/1P	27		0.000		0.000	28	20A/2P	SPARE		
SPARE	20A/1P	29	0.000		0.000		30	—	—		
SPARE	20A/1P	31		0.000		0.000	32	20A/2P	SPARE		
SPARE	20A/1P	33	0.000		0.000		34	—	—		
SPARE	20A/1P	35		0.000		1.000	36	20A/1P	UCP—1		
SPARE	20A/1P	37	0.000		1.000		38	20A/1P	UCP—2		
		39		0.000		0.000	40				
		41	0.000		0.000		42				
			1.800	0.381	6.076	5.907					
			7.876	6.288	TOTAL CONNECTED KVA						
			14.164								
			22.131								DESIGN KVA
			92								DESIGN AMPS

PANELBOARD SCHEDULE											
PANEL	"TH"	VOLTS	480Y/277, 3PH, 4W	MAIN	250A MCB	INTERRUPT RATING			65,000		
DESCRIPTION	BKR	NO.	A	B	C	A	B	C	NO.	BKR	DESCRIPTION
EUH-1	30A/3P	1	6.667			0.000			2	60A/3P	SURGE PROTECTIVE DEVICE
EUH-1	—	3		6.667			0.000		4	—	
EUH-1	—	5			6.667			0.000	6	—	
EUH-2	30A/3P	7	6.667			0.000			8		
EUH-2	—	9		6.667			0.000		10		
EUH-2	—	11			6.667			0.000	12		
PANEL L	70A/2P	13	12.500			0.000			14		
	—	15		12.500			0.000		16		
	—	17			0.000			0.000	18		
SPARE	40A/3P	19	0.000			0.000			20		
	—	21		0.000			0.000		22		
	—	23			0.000			0.000	24		
SPARE	40A/3P	25	0.000			0.000			26		
	—	27		0.000			0.000		28		
	—	29			0.000			0.000	30		
		31	0.000			0.000			32		
		33		0.000			0.000		34		
		35			0.000			0.000	36		
		37	0.000			0.000			38		
		39		0.000			0.000		40		
		41			0.000			0.000	42		
			25.8340	25.8340	13.3340	0.0000	0.0000	0.0000			
			25.8340	25.8340	13.3340	TOTAL CONNECTED KVA					
			65.0020								
			101.5656			DESIGN KVA					
			122.168044			DESIGN AMPS	⊙	480			

1	8-31-22	CD	BB	ADDENDUM 1
REV. NO.	DATE	DRWN	CHKD	REMARKS



0 1" = 1"

THIS LINE MEASURES 1" WHEN PLOTTED FULL SIZE

DESIGNED: BB

DRAFTED: CD

CHECKED: BB

DATE: AUGUST 2022



CRIST ENGINEERS, INC.
CONSULTING ENGINEERS

205 EXECUTIVE COURT
LITTLE ROCK, ARKANSAS 72205
TELEPHONE: (501) 664-1552
FAX: (501) 664-8579
WWW.CRISTENGINEERS.COM

ROGERS, ARKANSAS

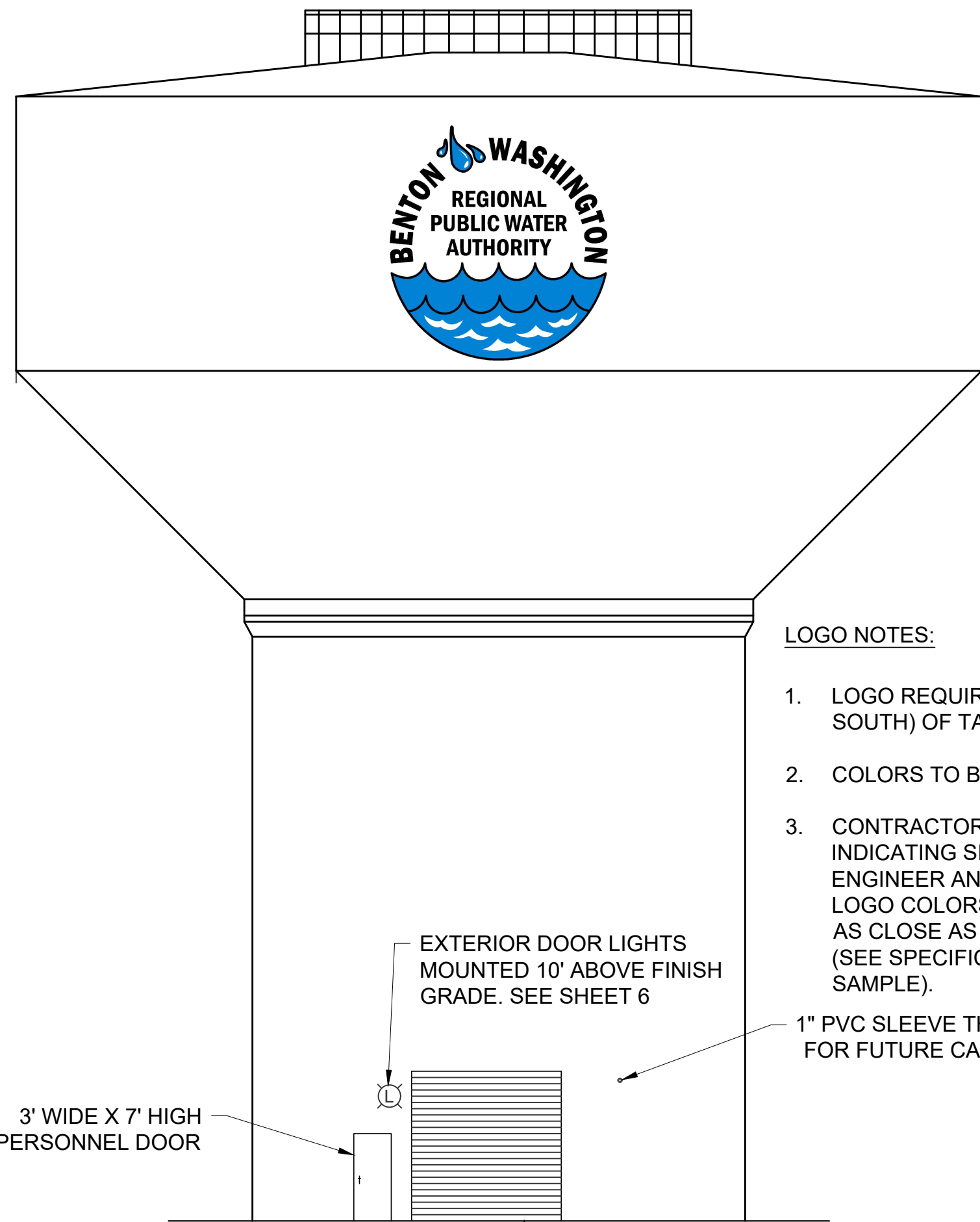
CAPITAL IMPROVEMENTS PLAN PHASE 1A
WATER TREATMENT PLANT IMPROVEMENTS

ELECTRICAL
SITE PLAN

BE BROWN
ENGINEERS
501-448-0100

JOB NO.
CRI-024

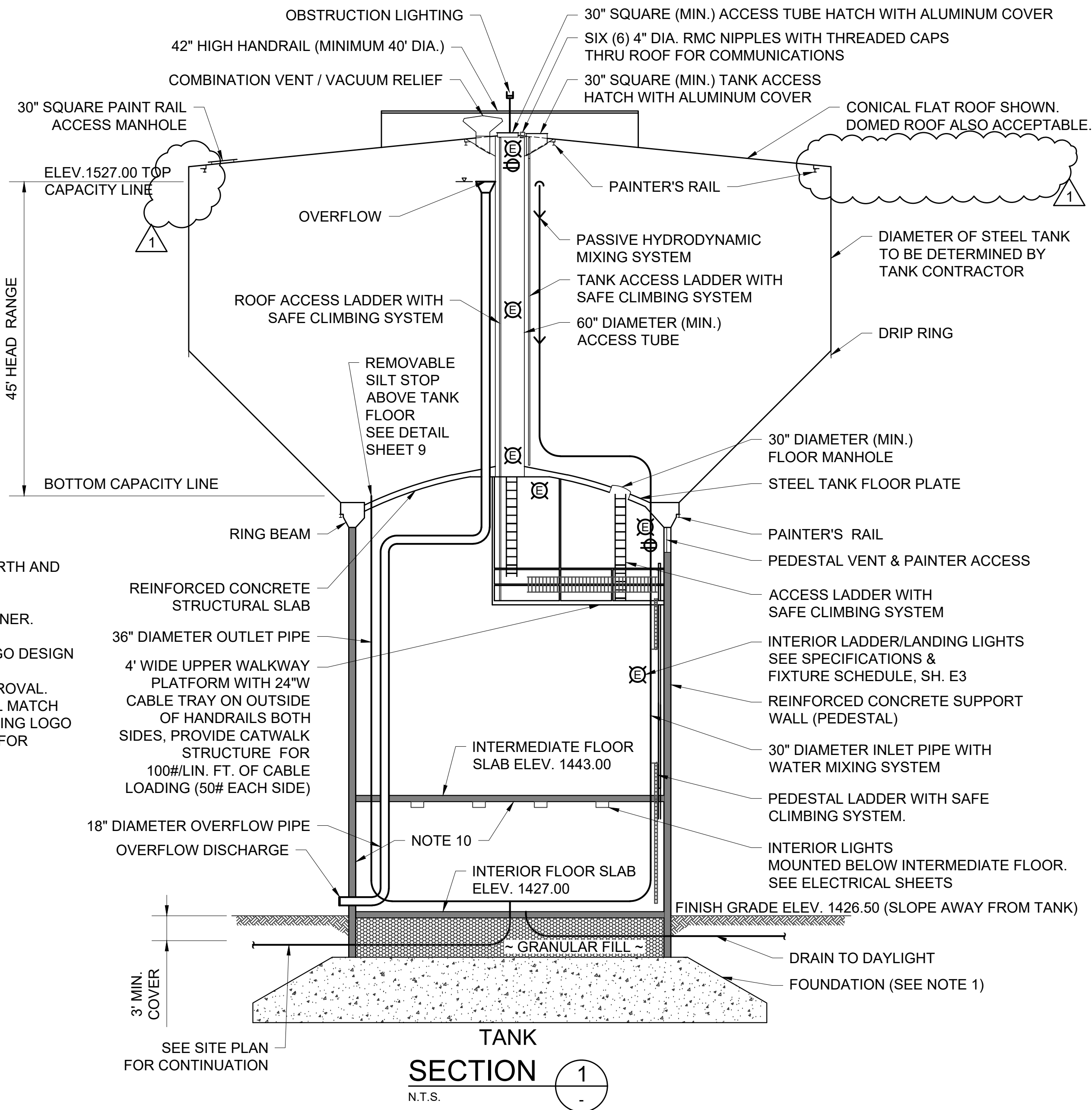
SHEET NO.
E2



LOGO NOTES:

1. LOGO REQUIRED ON 2 SIDES (NORTH AND SOUTH) OF TANK.
2. COLORS TO BE SELECTED BY OWNER.
3. CONTRACTOR SHALL SUBMIT LOGO DESIGN INDICATING SIZE, FONTS, ETC. TO ENGINEER AND OWNER FOR APPROVAL. LOGO COLORS, FONT, ETC. SHALL MATCH AS CLOSE AS POSSIBLE TO EXISTING LOGO (SEE SPECIFICATIONS APPENDIX FOR SAMPLE).

TANK
ELEVATION
N.T.S.

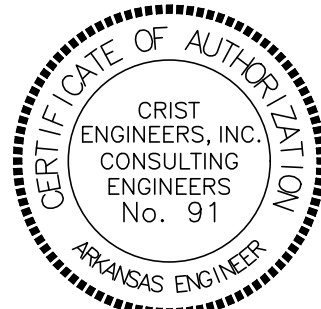


TANK
SECTION
N.T.S.

NOTES:

1. SEE SPECIFICATIONS FOR DESIGN CRITERIA AND DETAILS.
2. PROVIDE ADEQUATE FREEBOARD TO ENSURE ROOF PROJECTIONS AND PAINTERS RAIL REMAIN ABOVE THE HIGH WATER LEVEL.
3. CONCRETE PEDESTAL EXTERIOR SHALL INCORPORATE HORIZONTAL AND VERTICAL RUSTICATIONS TO CREATE A SYMMETRICAL ARCHITECTURAL PATTERN. SEE SPECIFICATIONS.
4. TANK APPURTENANCES ARE ROTATED FOR CLARITY.
5. INLET, OUTLET AND OVERFLOW PIPING WITHIN THE CONCRETE PEDESTAL SHALL BE TYPE 304L STAINLESS STEEL.
6. PROVIDE HANGERS, BRACKETS, AND THRUST RESTRAINT AS REQUIRED.
7. OVERFLOW SYSTEM SHALL BE DESIGNED TO ACCOMMODATE MAXIMUM FILL RATE. SEE SPECIFICATIONS.
8. ALL LADDERS AND LANDINGS SHALL BE GALVANIZED.
9. PROVIDE SAFE CLIMBING SYSTEM ON LADDERS. SEE SPECIFICATIONS.
10. PAINT CONCRETE WALLS IN LOWER LEVEL IN ACCORDANCE WITH SPECIFICATIONS.
11. ALL TANK PIPING SHALL BE PRESSURE CLASS 350.
12. BASE BID 4.0 MG TANK
ALTERNATE BID 3.5 MG TANK

1	8/31/22	KEG	DK	ADDENDUM NO. 1	
REV. NO.	DATE	DRWN	CHKD	REMARKS	



THIS LINE MEASURES 1" WHEN PLOTTED FULL SIZE

DESIGNED:	MDD
DRAFTED:	KEG
CHECKED:	DK
DATE:	AUG 2022



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CONSULTING ENGINEERS
205 EXECUTIVE COURT
LITTLE ROCK, ARKANSAS 72205
TELEPHONE: (501) 664-1552
FAX: (501) 664-8579
WWW.CRISTENGINEERS.COM

ROGERS, ARKANSAS
**CAPITAL IMPROVEMENTS PLAN PHASE IA
WATER TREATMENT PLANT IMPROVEMENTS**
CONSTRUCTION DOCUMENTS
4 MG ELEVATED WATER STORAGE TANK
ELEVATION & SECTION

JOB NO.	2122
SHEET NO.	5