



ADDENDUM | No. 1

PROJECT	Lake Norden Water Tower – 2022
BID DATE	2:00 PM CT October 26 th , 2022
BID LOCATION	Lake Norden City Hall 508 Main Ave., Lake Norden, SD 57248
ISSUE DATE	October 20 th , 2022
NOTICE	Failure to acknowledge all addenda in the BID may cause rejection of the BID. See Instructions to Bidders.

SCOPE OF THIS ADDENDUM

The following becomes a part of the original project manual and drawings, taking precedence over the items that may conflict. The bidder shall note receipt and make acknowledgment of the Addendum on his/her bid form, incorporating its provision in his/her bid.

GENERAL

Probable Cost has been included on the Banner website as follows:

Base Bid: \$2,550,000 to \$3,200,000

Bid Alternate A: \$350,000 to \$500,000

PROJECT MANUAL

The following additions, changes and clarifications have been made to the Project Manual.

Section 00010– Advertisement,

Base Bid,

Change: height to overflow of ~~137 feet~~ **139.5 feet**

Section C-520– Agreement,

Section 1.01 - Base Bid,

Change: height to overflow of ~~137 feet~~ **139.5 feet**

Section 011000 – Summary,

Section 1.4A1 - Base Bid,



Change: height to overflow of ~~137 feet~~ **139.5 feet**

Section 099020 – Steel Tank Coatings,

Section 2.4B

Series 22 may be allowed as a substitute for FC22 depending on environmental conditions anticipated during entire coating window for interior wet location. Same product will be required throughout entire tank (no switching when conditions change).

Section 446013 – Interior Piping and Valves,

Section 2.2D – Restrained Joint:

Replace in its entirety with:

Restrained Joint: All buried ductile iron pipe and fittings below floor slabs shall be positively restrained using a non-friction-based restraint system or a bell harness restraint system for push on pipe (such as Fastite joint pipe or Tyton Joint Pipe) and a wedge action restrained follower gland for mechanical joint fittings. Non-friction-based restraint system shall be US Pipe “TR Flex”, McWane Ductile “TR Flex”, American “Flex Ring”, or Griffin “Bolt-Lok”, or Engineered approved equal. Bell harness restraint system for push on pipe shall be EBAA “1700 Megalug harness”, Stargrip “3100P”, Ford “UniFlange Series 1450”, or Engineered approved equal. Wedge action restrained follower gland for mechanical joint fittings shall be EBAA “Series 1100 Megalug”, Stargrip “Series 3000”, Ford “UniFlange Series 1400”, or Engineered approved equal. All nuts, bolts, washers, tie rods, etc. shall be series 300 stainless steel. Flanged Pipe will not be acceptable for buried pipe and fittings.

DRAWINGS

The following additions, changes and clarifications have been made to the Drawings.

Drawing Sheet A-901

Painting Details (Base Bid & Bid Alternate 1),

Replace: Sheet A-901 with Sheet A-901R

This sheet has been replaced with the attached sheet A-901R to address new tower exterior paint detail.

Drawing Sheet D-100

Process Piping Plans

Replace: Piping Notes

4. Restraint joint fitting shall be as specified in Section 446013 Paragraph 2.2D.

NOTE

The Plan Holders List and Addendums are available on our website at <http://www.bannerassociates.com> by clicking on **View Bid Information / Project Name / Project Information** link.



Project Manual and Drawing inquiries regarding the work should be directed to:

CONTACT PERSON(S)

Banner Associates, Inc. Tel 1-605-692-6342 | Toll Free 1-855-323-6342 | Fax 1-605-692-5714

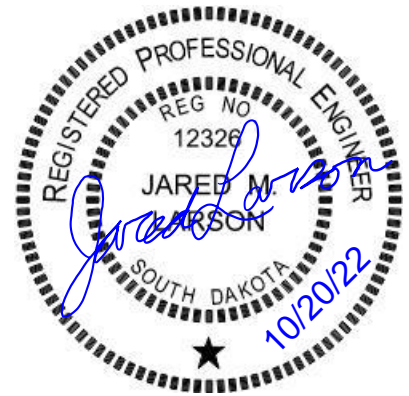
Jared Larson, PE	Process	Jaredl@bannerassociates.com
Adam Hanson, PE	Structural	Adamh@bannerassocites.com
Beth Niemeyer, PE	Civil	Bethn@bannerassocites.com

Subconsultant Tel 1-320-978-8022 | Fax

Jeffrey Ruschen	Mechanical	RuschenJ@powersystem.org
Josh Mulder, PE	Electrical	mulderj@powersystem.org

ATTACHMENTS

1. Drawing Sheet A-901R
2. Electrical Addendum No. 1



Jared Larson
Jared Larson (P.E.) #12326

BRUSH BLAST CLEAR COAT ON LOGO AND SPOT BLAST AS REQUIRED, PER SECTION 099020.

49'
LAKE NORDEN
Cheese is our Whey!

RE-PAINT EXISTING LOGO

BLAST AND RE-COAT INTERIOR PER SECTION 099020.

PRESSURE WASH ENTIRE EXTERIOR AND OVERCOAT PER SECTION 099020 TO ENTIRE TANK. MATCH EXISTING COLOR.

1 EXISTING TANK PAINT DETAILS (BID ALTERNATE A)
 A-901 SCALE : NONE



15'
LN
 13.5'

TANK LOGO LOGO COLOR: SHALL MATCH EXISTING TOWER LOGO COLOR (BLACK)

TANK COLOR: SHALL MATCH EXISTING TANK COLOR

2 NEW TOWER EXTERIOR PAINT DETAILS
 A-901 SCALE : NONE

GENERAL PAINTING NOTES:

1. ALL PAINTING MUST BE COMPLETED DURING NORMAL BUSINESS HOURS (MONDAY THRU FRIDAY, 8 AM TO 5 PM). THE ONLY EXCEPTION WILL BE WITH PRIOR APPROVAL FROM THE ENGINEER AND OWNER. ALL PAINTING MUST BE COMPLETED WITH GENERAL CONTRACTOR SUPERVISION. IF THE GENERAL CONTRACTOR IS NOT ON-SITE TO SUPERVISE ALL WORK PERFORMED BY THE PAINTER, WORK COMPLETED WILL NOT BE ACCEPTED BY THE OWNER.
2. A PRE-CONSTRUCTION MEETING WILL BE HELD PRIOR TO ANY WORK COMMENCING. THE PAINTER MUST ATTEND THIS MEETING. IF PAINTER HAS NOT BEEN SELECTED OR IS UNABLE TO ATTEND, A SEPARATE MEETING ON-SITE WILL BE HELD PRIOR TO THE START OF ANY PAINTING ACTIVITIES.
3. ALL PAINTING SHALL BE IN STRICT CONFORMANCE WITH AWWA D102 AND PROJECT SPECIFICATION SECTION 099020. ALL WELDING AND PAINTING WILL BE INSPECTED BY AN OWNER-PROVIDED THIRD-PARTY INSPECTOR.
4. LOGO SHALL BE PAINTED ON TWO SIDES OF THE TANK TO BE SPECIFIED BY OWNER. VERIFY LOCATION WITH OWNER PRIOR TO PAINTING LOGO.
5. OWNER OR ENGINEER SHALL PROVIDE CONTRACTOR WITH ELECTRONIC FORM OF LOGO TO BE PAINTED ON THE WATER TOWER.
6. COLOR SAMPLES SHALL BE SUBMITTED TO OWNER FOR FINAL VERIFICATION AND APPROVED PRIOR TO PAINTING.
7. ALL COATING WORK ON THE EXISTING TANK IS PART OF BID ALTERNATE A.



LAKE NORDEN WATER TOWER - 2022

ADDENDUM NO. 1

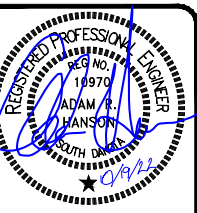
LAKE NORDEN, SOUTH DAKOTA

UPDATED PROPOSED WATER TOWER LOGO

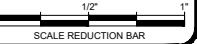
PROJECT / SHEET TITLE:

REV. DATE

1 10/22



JOB No.: 23417.00.01
 DATE: SEPTEMBER 2022
 DESIGNED BY: JDB
 CHECKED BY: BEN
 DRAWN BY: AME



SHEET No. : A-901R

Electrical Addendum:

Project Name: Lake Norden, SD Water Tower Addition – Lake Norden, SD

Electrical Addendum: Addendum No. 01

Date: October 18th, 2022

Attachments: Updated drawing E-105

Electrical Addendum Clarification Items:

1. Updated FAA obstruction light (type 'Y2') to fixture equipped with fixture failure alarm.

LIGHT FIXTURE SCHEDULE (LED)						
TYPE	MANUFACTURER	MODEL	VOLT	LAMP	BALLAST	DESCRIPTION
A	LITHONIA	FHE L24 900LM ACL MD MVOLT GZ10 40K MHKB & MHCH36	MVOLT	LED 59 WATT	DIMMING	2' GASKETED LED CHAIN MOUNTED FIXTURE
E	LITHONIA	ELM2L UVOLT SDRT	MVOLT	LED 2.4 WATT	FIXED DRIVER	EMERGENCY BATTERY PACK WITH SELF DIAGNOSTIC TESTING
Q1	LITHONIA	DSXW2 LED 30C 530 40K T3M MVOLT DDBXD	MVOLT	LED 54 WATT	FIXED DRIVER	FLOOD LIGHT, 4000K, SURFACE MOUNTED
S1	LITHONIA	OLVTVM	MVOLT	LED 15 WATT	FIXED DRIVER	ALTERNATIVE JELLY JAR TYPE LIGHTING FIXTURE FOR LOWER LIGHTING LEVEL, WET LOCATION LISTED.
W1	LITHONIA	DSW1 LED 20C 530 40K T3M MVOLT PE BSW PIR DDBXD	MVOLT	LED 35 WATT	FIXED DRIVER	FLOOD LIGHT, 4000K, SURFACE MOUNTED MOTION ACTIVATED
X3	LITHONIA	LHQM LED R SD	MVOLT	LED 3 WATT	FIXED DRIVER	SINGLE FACE THERMOPLASTIC EXIT SIGN AND (2) LED HEADS, BATTERY BACKUP, DAMP LOCATION LISTED
Y2	POINT LIGHTING	POL-21006-1F-R-34B-D2.2	120	LED 8.1 WATT	FIXED DRIVER	FAA APPROVED DUAL RED LIGHT OBSTRUCTION LIGHT (L-810), 360° COVERAGE WITH FIXTURE FAILURE ALARM.

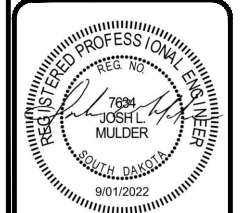
GENERAL NOTES
 A. ELECTRICAL CONTRACTOR HAS OPTION OF SUBMITTING EQUIVALENT FIXTURES FOR EACH FIXTURE TYPE LISTED ABOVE FOR APPROVAL PRIOR TO CONSTRUCTION.
 B. APPROVED ALTERNATE LIGHT FIXTURE MANUFACTURERS INCLUDE BUT ARE NOT LIMITED TO HUBBEL LIGHTING.

PANEL SCHEDULE											
PANEL: P-1			LOCATION: ENCLOSURE			VOLTS: 120/240V			A/C RATING: 22,000		
BUS SIZE (AMPS): 200			PANEL LUGS: MCB			CONFIGURATION: 1-PHASE, 3-WIRE			MOUNTING: SURFACE		
1. PROVIDE POCKET SLIDE-IN TYPED CIRCUIT DIRECTORY				3. PROVIDE BOLT ON CIRCUIT BREAKERS							
2. PROVIDE COPPER PHASE AND GROUND BUSES				4. PROVIDE EQUIPMENT GROUND BUS							
ROOM	CIRCUIT DESCRIPTION	LOAD VA	CIRCUIT BREAKER	POLES	CIRCUIT #	CIRCUIT #	POLES	CIRCUIT BREAKER	LOAD VA	CIRCUIT DESCRIPTION	ROOM
ENCLOSURE	ENCLOSURE RECEPTACLE	600	20	1	1	2	1	20	35	OUTDOOR LIGHTS	OUTDOORS
TOWER INTERIOR	TOWER LANDING RECEPTACLES	600	20	1	3	4	1	20	162	TOWER BASE FLOOD LIGHTS	TOWER BASE
TOWER TOP	TOWER TOP RECEPTACLE	400	20	1	5	6	1	20	118	ENCLOSURE LIGHTS	ENCLOSURE
ENCLOSURE	PTAC-1	1216	15	2	7	8	1	20	1500	LOCAL PANEL 1P-501'	ENCLOSURE
		1216	-	-	9	10	1	20	600	LADDER LIGHTING	TOWER INTERIOR
ENCLOSURE	DHU-1	792	20	1	11	12	1	20	8.1	FAA OBSTRUCTION LIGHT	TOWER TOP
	SPARE		20	1	13	14	1	20	100	LIGHTING CONTACTOR	TOWER TOP
	SPARE		20	1	15	16	1	20		SPARE	
	SPARE		20	1	17	18	1	20		SPARE	
	SPARE		20	1	19	20	1	20		SPARE	
	SPARE		20	1	21	22	1	20		SPARE	
	SPARE		20	1	23	24	1	20		SPARE	
	SPARE		20	1	25	26	1	20		SPARE	
	SPARE		20	1	27	28	1	20		SPARE	
	SPARE		20	1	29	30	1	20		SPARE	

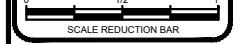
1. PROVIDE NEMA TYPE 4 ENCLOSURE WITH FACTORY INSTALLED TVSS

PROJECT / SHEET TITLE:
 LAKE NORDEN WATER TOWER - 2022
 ELECTRICAL SCHEDULES
 LAKE NORDEN, SOUTH DAKOTA

REV	DATE	DESCRIPTION
A	7/28/2022	ISSUED FOR AGENCY REVIEW
B	9/01/2022	ISSUED FOR BID
C	10/18/2022	REVISIONS



JOB No.: 23417.00.01
 DATE: SEPTEMBER 2022
 DESIGNED BY: JJR
 CHECKED BY: ZJE
 DRAWN BY: JJR



SHEET No.:
E-105