

**ADDENDUM NO. 1
TO THE
BIDDING DOCUMENTS
FOR
MILL CREEK WRF ELECTRICAL AND PROCESS IMPROVEMENTS
FOR
LAKE COUNTY PUBLIC WORKS**

LAKE COUNTY BID NO. 17223

DATE: December 21, 2017

BID CLOSING DATE & TIME: 2:00 PM local time, January 16, 2018

TO ALL BIDDERS BIDDING ON THE ABOVE PROJECT:

All Bidders submitting a Bid on the above Contract shall carefully read this Addendum and give it consideration in the preparation of their Bid.

I. The following are for informational purposes only:

- A. See agenda and sign-in sheet from Pre-Bid Meeting held on December 14, 2017 at 10:00 AM attached to this Addendum.

II. The following are revisions to the Specifications:

- A. On page 05 50 00-2, in Paragraph 2.01.B.4.b, delete the words "Type 304 or"
- B. On page 05 50 00-2, delete Paragraph 2.01.B.7
- C. On page 05 50 00-2, delete Paragraph 2.01.B.8 and replace with:
"8. Cast-in-place Anchor Bolts: 316 Stainless steel, ½ inch minimum diameter."
- D. On page 05 50 00-3 delete Paragraph 2.02.D.
- E. On page 26 05 00-2, delete paragraph 2.03.A.4.c.
- F. On page 26 05 00-10, delete paragraph 3.01.A.7.
- G. On page 26 05 00-11, in paragraph 3.01.C.1, delete the words "PVC-Coated galvanized rigid steel" and replace with "galvanized rigid steel"
- H. On page 26 05 29-1, in Paragraph 2.01.A, delete the words "aluminum or"
- I. On page 26 05 29-1, delete paragraph 2.01.B.1.
- J. On page 40 05 07-2, in Paragraph 2.03.A, delete the words "hot dipped galvanized or stainless steel construction unless otherwise noted." and replace with "Type 316 stainless steel."
- K. On page 40 05 07-3, in Paragraph 2.05.A, delete the words "galvanized or plastic coated"
- L. On page 40 05 07-3, in Paragraph 2.05.B, delete the words "galvanized or plastic coated"

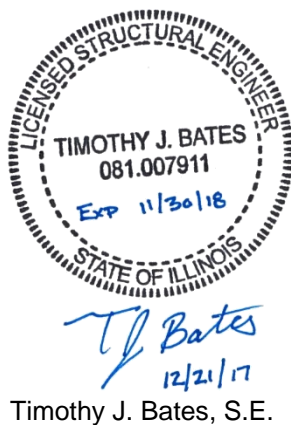
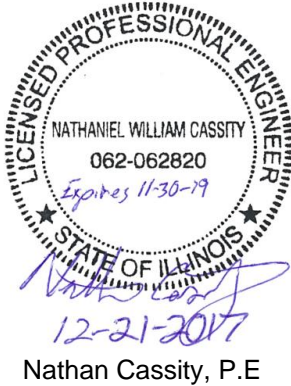
III. The following are revisions to the Drawings:

- A. Sheet 9 (Drawing 002-E-1): Replace entire sheet with Sheet 9 attached to this Addendum.
- B. Sheet 41 (Drawing 999-E-1): Add note to Detail E100 reading "duct bank concrete shall be dyed red"
- C. Sheet 41 (Drawing 999-E-1): in Detail E600, remove the words "PVC-Coated GRS" from all notes in this detail and replace with the word "GRS".

IV. Any revisions to any of the Contract Documents made by this Addendum shall be considered as the same revision to any and all related areas of the Contract Documents not specifically called out in this Addendum.

V. The Bidder shall acknowledge receipt of this Addendum by filling out and including the Addendum Acknowledgement form, located in the Bid Specifications, as an attachment to the Bid.

DONOHUE & ASSOCIATES, INC.



END OF ADDENDUM #1

Lake County Public Works
Mill Creek WRF Electrical and Process Improvements
Pre-Bid Conference Agenda
December 14, 2017, 10:00 AM

- I. Please be sure to sign in on the sign-in sheet.
- II. Verbal instructions, discussions, or clarifications made by either Owner or Engineer during the bid period and/or the Pre-Bid Meeting are non-binding. Only written Addenda are made part of the Contract Documents.
- III. Bidding Documents are available through Lake County Purchasing Portal (www.lakecountypurchasingportal.com) bid number 17223.
- IV. Bid Closing: Sealed Bids will be received until 2:00 p.m. Local Time on January 16th, 2018 at the Lake County Public Works Department office located at 650 West Winchester Road, Libertyville, Illinois 60048. After the official Bid closing time, the Bids will be publicly opened and read aloud.
- V. The work for which Bids are being requested is summarized as follows:
 1. Process modifications in the aeration tanks by installing the following:
 - a. Internal mixed liquor recycle pumps in Zone 1D and 2D along with modifications to the aeration diffuser grids in these zones.
 - b. Mixed liquor recycle piping, valves, and gates from Zone 1D to Zone 1A3 and 1A4.
 - c. Mixed liquor recycle piping, valves, and gates from Zone 2D to Zone 2A3 and 2A4.
 - d. Installation of two new baffle walls to form Zone 1A5 and 2A5 along with aeration diffuser grid modifications and installation of new gates.
 - e. Installation of two new floating mixers and oxidation reduction potential probes in Zone 1A5 and 2A5.
 - f. New aeration diffuser grids in Zone 1B, 2B, 1C, and 2C.
 2. Incorporation of automatic dissolved oxygen control for Zones 1B, 1C, 1D, 2B, 2C, and 2D by installing dissolved oxygen probes, electrically actuated control valves, airflow meters in these zones.
 3. Modifications to the ALP piping associated with the above equipment locations.
 4. Control modifications to operate the aeration blowers on a discharge pressure control loop.
 5. Control modifications to operate the new automatic dissolved oxygen control system.
 6. Modifications to the MCC equipment in the RAS Pump Station to include additional equipment on backup generator service.
 7. Installation of a new level monitoring device in the septage receiving tank.
 8. Rehabilitation of the clarifiers.
 9. Providing site work, structural, process-mechanical piping and equipment, electrical, and instrumentation and control for the above features of the Project.

- VI. Bidders to review, plan for, and budget for the construction sequencing and constraints identified in Section 01 11 00—Summary of Work. Note that detailed sequencing and constraints are significantly more complex than the below simplified overview.
1. Treatment must be maintained during construction
 2. Structure 30 - Only one Aeration Tank and associated four Mixing Basins can be out of service at a time except for short-term shutdowns described in Section 01 11 00.
 3. Structure 30 - Each Aeration Tank and associated four Mixing Basins shall be taken out of service once for a maximum of 8 weeks to perform Work.
 4. Structure 40 - One of the two clarifiers shall stay in service at all times.
 5. Structure 40 - Each clarifier shall be taken out of service once for a maximum of 5 weeks to perform Work.
 6. Structure 45 - Power disruption for Structure 45 breaker and MCC work shall occur once for a maximum of 8 hours to perform work.
- VII. Project Times
1. Substantial Completion 450 days (approximately 15 months) after Contract Times commence.
 2. Final Completion 480 days (approximately 16 months) after Contract Times commence.
 3. See Agreement
- VIII. Liquidated Damages
1. \$500 per day
 2. See Agreement
- IX. Wage Rates
1. Contractor and Subcontractors shall pay wages not less than the prevailing hourly wage rate for each classification of employee engaged on the Work as determined by the State of Illinois Department of Labor.
 2. See Wage Rate Requirements
- X. Allowances – Section 01 21 00
1. Clarifier Rehabilitation specified in Section 44 42 82
- XI. Refer to the Instructions to Bidders for detailed instructions on the preparation and submittal of Bid and other bidding matters.

XII. Bid Envelopes shall include:

1. Bid Form:

- Fill in Bidder Name
- Fill in Lump Sum Bid Price (both words and figures)
- Fill in the blanks for type and amount of Bid Security
- Execute the Bid. Properly fill out and sign the Bid based on your entity.
- Complete the Base Bid Material and Equipment Schedule.

2. Bid Security – certified check or bid bond

3. Evidence of Bidder's authority and qualification to do business in the state of Illinois

4. Contractor Qualification Form

5. Addendum Acknowledgement Form

XIII. Bids are subject to acceptance for 90 days after the bid opening date as described in the Official Notice to Bidders.

XIV. All verbal comments made today are to be used at Contractors discretion. Only written documentation in the form of addenda will be binding.

Bidding Questions Contact:

Lake County Purchasing

Phone: (847) 377-2929

Email: Purchasing@lakecountyil.gov

XV. Site Visits: Bidders shall contact Matt Ellison, at (847) 377-4844 to schedule a site visit.

XVI. Questions.

XVII. Site Tour.

LAKE COUNTY PUBLIC WORKS
MILL CREEK WRF ELECTRICAL AND PROCESS IMPROVEMENTS



Pre-Bid Conference Meeting, 10:00 AM on Thursday, December 14, 2017

Sign-In Sheet

<u>Attendee</u>	<u>Representing</u>	<u>Telephone Number/email address</u>
1. <u>Nathan Cassity</u>	<u>Donohue</u>	<u>920-903-7370 ncassity@donohue-associates.co</u> <u>815-297-6025</u>
2. <u>GARY Statdfield</u>	<u>Mechanical INC.</u>	<u>gstatdfield@mechine.com</u>
3. <u>Jeff Griffard</u>	<u>Integrated Demolition</u>	<u>Jeff@integrateddemolition.com</u>
4. <u>Marc Gilman</u>	<u>JJ Henderson</u>	<u>847-244-3222 marcus@JHenderson.com</u>
5. <u>JAKE MAHOLOVICH</u>	<u>INDEPENDENT MECHANICAL</u>	<u>NEXT PAGE</u> <u>773.558.6214 jmaholovich@independentmech.com</u>
6. <u>Victor Guzman</u>	<u>IHC Construction</u>	<u>PWood@IHCConstruction.com</u>
7. <u>STEVEN G DALBEK</u>	<u>Boller Construction</u>	<u>847 409-1500</u> <u>steved@Bollerconstruction.com</u>
8. <u>Heather Galan</u>	<u>LCPW</u>	<u>hgalan@lakecountyil.gov (847-377-7500</u> <u>x7141</u>
9. <u>ANDY BEAN</u>	<u>PIEPER ELECT.</u>	<u>847-599-1774</u> <u>ANDY.BEAN@PIEPERPOWER.COM</u>
10. <u>DAN SJOWB</u>	<u>THIENEMAN CONSTRUCTION</u>	<u>ESTIMATING@T-L1.NET</u> <u>PH: 219-947-4700</u>

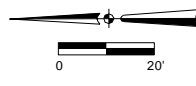
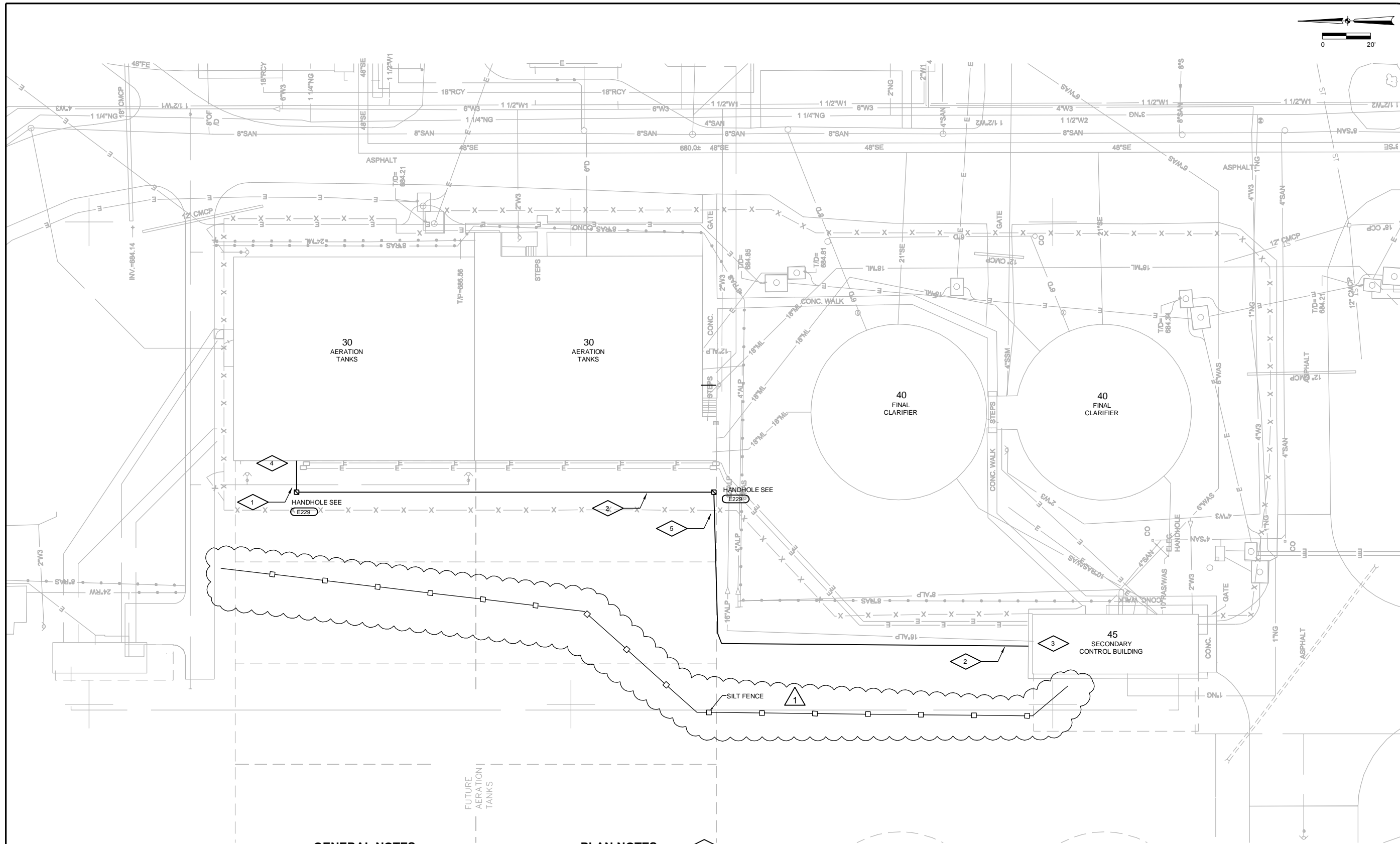
LAKE COUNTY PUBLIC WORKS
MILL CREEK WRF ELECTRICAL AND PROCESS IMPROVEMENTS



Pre-Bid Conference Meeting, 10:00 AM on Thursday, December 14, 2017

Sign-In Sheet

<u>Attendee</u>	<u>Representing</u>	<u>Telephone Number/email address</u>
11. <u>Jim Tonias</u>	<u>Lake County Public Works</u>	<u>(847) 377-4842 / JTONIAS@LakecountIL.gov</u>
12. <u>Matt Ellison</u>	<u>" "</u>	<u>847-377-4844 / mellison@lakecountyil.gov</u>
13. <u>Mark Ottersen</u>	<u>LCPW</u>	<u>847-309-5498 / Mottersen@lakecountyil.gov</u>
14. <u>Daniel Salgado</u>	<u>LCPW</u>	<u>847-377-7152 / DSalgado@lakecountyil.gov</u>
15. <u>Tvette Albanan</u>	<u>LC FAS</u>	<u>847-377-2141 / Talbanan@lakecountyil.gov</u>
16. <u>JAKE MAHOLOVICH</u>	<u>IMI</u>	<u>773-558-6214 / Jmaholovich@independentmech.com</u>
17. _____	_____	_____
18. _____	_____	_____
19. _____	_____	_____
20. _____	_____	_____



GENERAL NOTES:

- EXISTING PIPING AND UTILITIES SHOWN IN PLAN WERE DEVELOPED USING AVAILABLE RECORDS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THEIR EXACT LOCATION.
- ALL DISTURBED AREAS OUTSIDE OF BUILDINGS AND PAVEMENTS SHALL BE RESTORED WITH 4" TOPSOIL, SEED, FERTILIZER, AND MULCH.

PLAN NOTES:

- POTHOLE OR EXPOSE EXISTING UTILITY PRIOR TO CONSTRUCTION TO VERIFY LOCATION AND DEPTH. COORDINATE CROSSING.
- SEE **E100**
- CORE DRILL BUILDING WALL FOR CONDUIT ENTRY. PROVIDE NEMA 4X SS JUNCTION BOXES ON EXTERIOR OF BUILDING SIMILAR TO EXISTING CONDUIT ENTRIES. SPARE CONDUITS SHALL BE EXTENDED INTO BUILDING AND CAPPED.
- SEE **E600**
- REPLACE SECTION OF FENCE WHERE NEW DUCT BANK IS INSTALLED.

Revision Number	Revision Description	Checked By	Date
01	ADDENDUM NO 1	NMC	12/21/2017

Designed By	MBS
Drawn By	MBS
Checked By	JAB
Approved By	MBS
Filename	002EP1.DWG
Project No.	13177
Project Date	DEC 2017

LAKE COUNTY DEPT. OF PUBLIC WORKS
MILL CREEK WRF
ELECTRICAL AND PROCESS IMPROVEMENTS
COUNTY OF LAKE, IL
SITE DEVELOPMENT
ELECTRICAL SITE PLAN