



**This meeting will be held in person
In Public Meeting Room A
Delta Administration Building
7710 West Saginaw Highway
Lansing, MI 48917**

**TOWNSHIP BOARD REGULAR MEETING
AGENDA
Monday, April 3, 2023 - 6:00 PM**

This meeting will be streamed live for viewing only at:
<https://us02web.zoom.us/j/87940368116?pwd=VWJrMTkvTTFkO3ZUaDZ2MkZTcmREZz09>
Meeting ID: 879 4036 8116
Passcode: 523224

For the hearing impaired, please call 711 (TTY Support) to access the FCCs phone relaying service and provide the following phone number 1-312-626-6799.
Please note all public comments must be made in person.

- I. CALL TO ORDER**
- II. OPENING CEREMONIES**
- III. ROLL CALL** – Members: Supervisor Kenneth R. Fletcher, Clerk Mary R. Clark, Treasurer Dennis R. Fedewa, Trustee Elizabeth (Beth) S. Bowen, Trustee Fonda J. Brewer, Trustee Andrea M. Cascarilla, and Trustee Karen J. Mojica
- IV. PRESENTATIONS AND PROCLAMATIONS**
 - 1. CATA Presentation**
- V. SET/ADJUST AGENDA**
- VI. PUBLIC HEARINGS** - Members of the public at the meeting shall not speak unless recognized by the chair. Members of the public shall be limited to speaking for a maximum of three (3) minutes during a public hearing. Prior to speaking, members of the public must also identify themselves with their name and address.
 - 2. St. Gerard Church Noise Waiver**

The Manager’s Office recommends that the Delta Township Board approve the request by St. Gerard Church for a waiver of the Noise Ordinance between the hours of 12:00 p.m. and 11:30 p.m. on May 6, 2023 for the purpose of holding their annual church festival.
- VII. COMMUNICATIONS**
- VIII. PUBLIC COMMENTS (maximum three minutes)**
- IX. INTRODUCTION OF ORDINANCES**
- X. PASSAGE OF ORDINANCES**
- XI. CONSENT AGENDA** – Anyone may request item(s) to be pulled from the consent agenda for discussion. If left on the consent agenda, the items will be voted on by a roll call vote of the Board en masse. Then, the individual item(s) will be discussed and voted upon.

3. Bills and Financial Transactions

a. **\$ 1,253,174.69**

4. Minutes

a. **March 20, 2023**

5. Vehicle Order Request

The Utility, Building, and Parks & Recreation Departments recommend that the Township Board approve the order request for two pickup trucks for the Utility Department, one pickup truck for the Building Department, and two trucks for the Parks Department.

6. Introduction of Broadbent Development, LLC Rezoning Request, AG2 to RC, Southwest Corner of Broadbent/M-43 in Case 1-23-5.

The Planning Department recommends that the Delta Township introduce the rezoning request described in Case No. 1- 23-5 to rezone subject property from AG2, Agricultural/Residential, to RC, Moderate Density Residential. I further move that rezoning request be considered for final action by the Township Board at the next subsequent regular Board meeting.

7. Ultium 3 Battery Plant Water and Sanitary Sewer Service Approval of Change Items

The Engineering Department recommends that the Delta Township Board approve the proposed change orders with Dunigan Brothers for the Ultium 3 Battery Plant Water and Sanitary Sewer Service projects, increasing the contract prices for Bid Package #1 by \$48,358.72 and for Bid Package #2 by \$152,647.00, and accept the proposed contract Amendment No. 5 with OHM for the Ultium 3 Battery Plant Water and Sanitary Sewer Service project, for the purpose of providing additional engineering services to increase the design capacity of the Ultium 3 Lift Station in the amount of \$48,788.

8. Fireworks Permit & Agreement

The Parks, Recreation and Cemeteries Department recommends that the Delta Township Board approve the request by Parks, Recreation and Cemeteries Commission be granted for a fireworks display on July 3, 2023, in the amount of \$34,650, with an agreed upon rain date (if needed), subject to acceptable weather conditions and an on-site inspection on the day of the display by the Fire Chief or his designee.

9. St. Gerard Amusement & Entertainment Permit - May 5 & 6, 2023

The Delta Township Clerk's Office recommends that the Delta Township Board grant an amusement and entertainment license to St. Gerard Church to hold their annual festival, which will run between the hours of 12:00 p.m. Friday, May 5, 2023, and concluding at 11:59 p.m. Saturday, May 6, 2023.

XII. ITEMS REMOVED FROM CONSENT AGENDA FOR DISCUSSION

XIII. ITEMS ADDED TO AGENDA UNDER SECTION V. SET/ADJUST AGENDA

XIV. OLD ITEMS OF BUSINESS

XV. NEW ITEMS OF BUSINESS

10. Case No. 11-22-08: Special Land Use Permit to allow for a tractor-trailer facility on a 10.22-acre undeveloped parcel on the northeast corner of Waverly Road and Old Lansing Road

The Planning Department recommends that the Delta Township Board approve the Special Land Use Permit for a vehicle repair facility in Case No. 11-22-08,

XVI. MANAGER'S REPORT

XVII. COMMITTEE OF THE WHOLE

11. Utility Department Annual Report

XVIII. CLOSED SESSION

XIX. PUBLIC COMMENTS (maximum three minutes)

XX. ADJOURNMENT

CHARTER TOWNSHIP OF DELTA

MARY R. CLARK, TOWNSHIP CLERK

Phone (517) 323-8500

Individuals with disabilities attending Township meetings or hearings and requiring auxiliary aids or services should contact Township Manager and ADA Coordinator Brian T. Reed by email at manager@deltami.gov or calling (517) 323-8590 to inform him of the date of the meeting or hearing that will be attended. Copies of minutes may be purchased or viewed in the Clerk's Office from 8 a.m. to 5 p.m., Monday through Friday.



Manager's Office

(517) 323-8590

MEMO

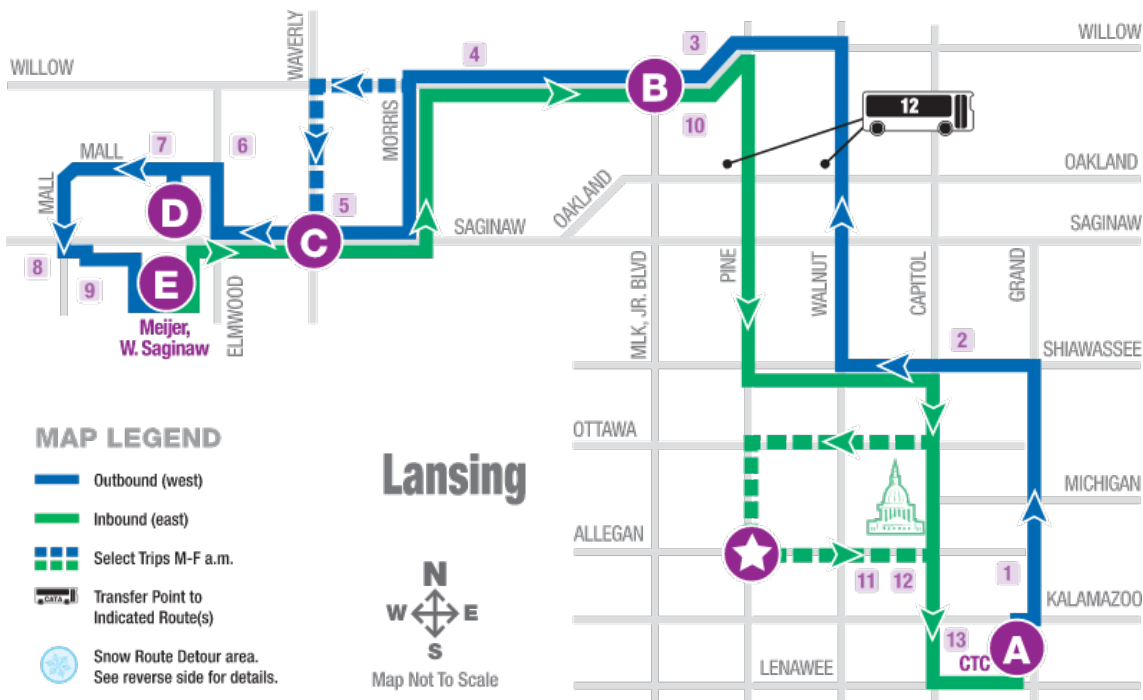
TO: Supervisor Kenneth R. Fletcher and the Delta Township Board

FROM: Brian Reed, Township Manager

DATE: April 3, 2023

SUBJECT: CATA Presentation

On Monday April 3, 2023, the Capital Area Transportation Authority (CATA) will provide the Township Board a presentation on current plans to implement a route 3 extension to Marketplace Drive. Route 3 currently runs from Lansing to the Lansing Mall (map below).



The proposed Route 3 expansion is a bus route that will service the rest of the Saginaw corridor to the west of the Lansing Mall and the business corridor around Marketplace. There is grant funding available for this route extension for the next couple years. CATA is ready to implement this expansion in May and begin assessing ridership.



Representatives from CATA will be here Monday night to provide a presentation on their plans and potential route maps including ideas for routing along Canal to capture ridership from apartments and other housing.

As has been discussed previously, CATA and EATRAN are under shared management now with Bradley Funkhouser serving as executive director for both organizations. The goal is to increase the regional mobility between the agencies and Counties to provide a seamless multimodal public transportation network.





Manager's Office

(517) 323-8590

TO: Supervisor Kenneth R. Fletcher and the Delta Township Board

DATE: April 3, 2023

FROM: Brian Reed, Township Manager

RE: Noise Waiver Request for St. Gerard Church

St. Gerard Catholic Church has applied for a special permit to waive the requirements of the Noise Ordinance in reference to offering music entertainment for their upcoming annual festival. The proposed waiver will be from 12:00 p.m. and 11:30 p.m. on Saturday, May 6, 2023.

We have notified all property owners within 300 feet of St. Gerard's property line of this request. We have not received any objections from residents with regard to this event. Therefore, we offer the following:

"I move that the Delta Township Board approve the request by St. Gerard Church for a waiver of the Noise Ordinance between the hours of 12:00 p.m. and 11:30 p.m. on May 6, 2023 for the purpose of holding their annual church festival."

Delta Township: February, 2023

1. We would like the temporary waiver until 11:30pm for the music. Music will play from 12:00pm – 11:30pm.
2. Location of tent has some built-in noise barriers.
 - Two story buildings to the north and west
 - To the south, three ball fields, an office building and then Saginaw Hwy
 - We own the houses closest on the east
3. Tent will have sides.
4. Type of Music would be considered “soft rock”.
5. It will be fenced in and will have security.
6. This is a once a year, religious fundraiser.
7. I anticipate the noise level to be very similar to previous years.
8. I have included details about the kid’s games we will setup from 12:00(noon) until 6:00pm.

Thanks for your consideration!

Submitted by:

Brian Droste
Operations Manager
St. Gerard Church



Delta Charter Township

7710 West Saginaw Highway

Lansing, MI 48917

517-323-8590

NOISE WAIVER REQUEST Sound Amplifying Equipment (SAE)

APPLICATION FOR A WAIVER OF RELIEF FROM THE NOISE LEVEL DESIGNATED IN ARTICLE V OF CHAPTER 14 (NOISE CONTROL) OF THE DELTA CHARTER TOWNSHIP CODE OF ORDINANCES.

Date Submitted: _____ (must be at least two (2) weeks prior to the date of request)

Name of Organization/Individual Using Equipment: St. Gerard Church

Address Where Equipment will be used:

4437 W Willow Hwy

Lansing, MI 48917

Contact Name: Brian Droste Phone: (517) 323-23

Mailing Address: 4437 W Willow Hwy, Lansing, MI 48917

Purpose of using SAE: Parish Festival

On site (24 hour contact) Name: _____ Mobile #: _____

On site (24 hour contact) Name: _____ Mobile #: _____

Please circle one: **Stationary** or **Mobile**

If mobile, license and vehicle numbers: _____

Date(s) Waiver is needed: May 6, 2023 Hours Waiver is needed: _____

Maximum sound producing power of SAE, including wattage and volume in decibels of sound, which will be produced: SAME AS PREVIOUS YEARS

Approximate distance from which sound will be audible from SAE: _____

Please submit request to the Delta Township Manager's Office two weeks prior to the date of request.

**Additional information on backside.*



DELTA CHARTER TOWNSHIP

7710 W. SAGINAW HWY.
LANSING, MI 48917
(517) 323-8510

WWW.DELTAMI.GOV

Receipt: 231043360 02/28/23

Page

Cashier: AROOSA

Received Of: ST. GERARD CHURCH

4437 W WILLOW HWY
LANSING MI 48917-2138

The sum of: \$50.00

4437 W WILLOW HWY
LANSING, MI 48917

NOISE	ST. GERARD CHURCH		50.00
		101-000-475.000	50.00
			<u>Total</u> 50.00

TENDERED:	CHECKS	41677	50.00
-----------	--------	-------	-------



Manager's Office

(517) 323-8590

March 24, 2023

Re: Petition by St. Gerard Catholic Church
To Waive the Delta Township Noise Ordinance

Dear property owner/resident:

St. Gerard Catholic Church has requested a special permit from the Charter Township of Delta to waive the requirements of the Noise Ordinance for the purpose of live music entertainment for their May 6 festival located at **4437 W. Willow Hwy., Lansing, MI 48917.**

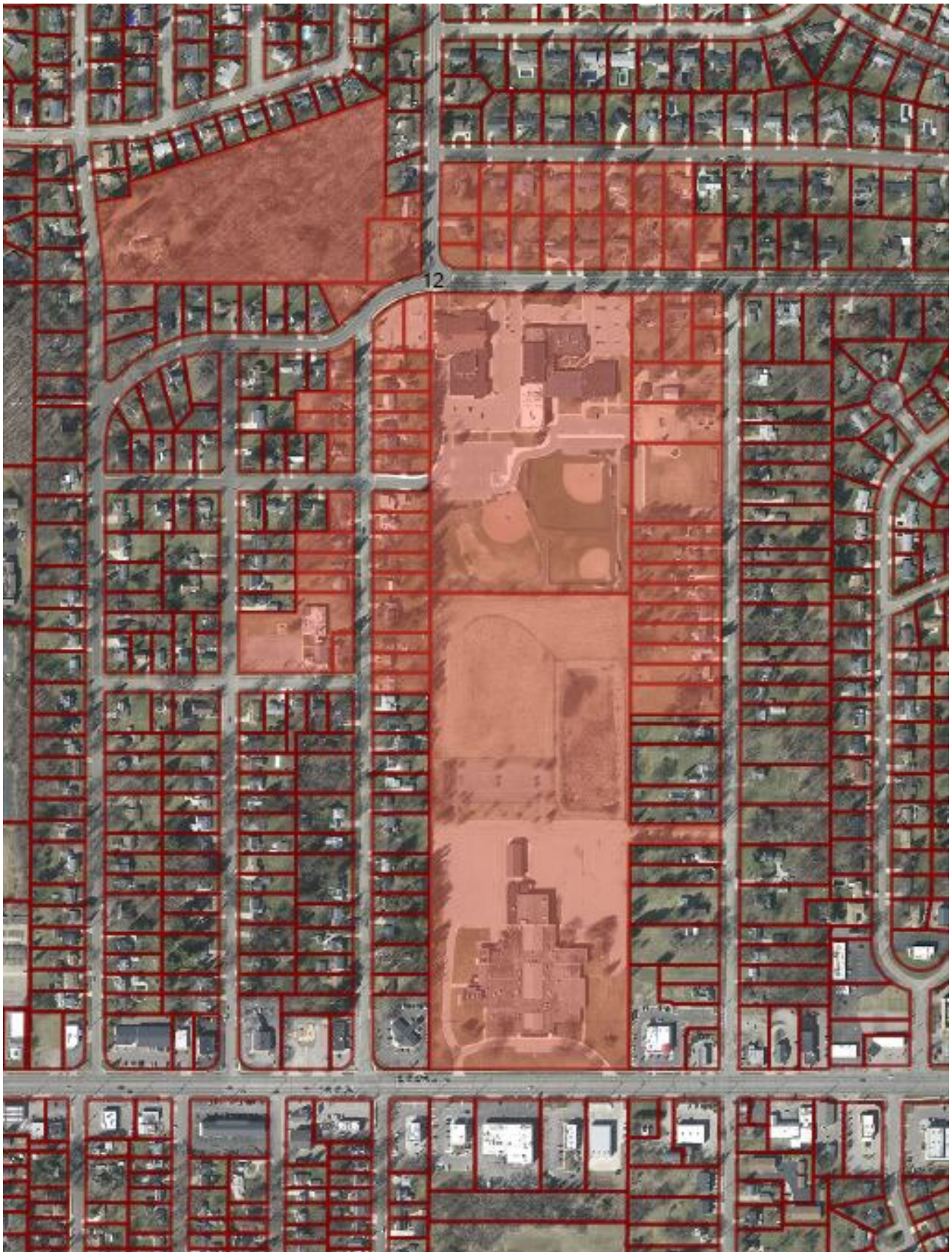
The proposed waiver is requested to take place between 12:00 p.m. and 11:30 p.m. on Saturday, May 6, 2023. The Township noise ordinance currently allows the proposed noise from 7:00 a.m. to 10:00 p.m., at a decibel limit of 60dB at a distance of 50 feet from the source of the sound producing equipment. St. Gerard Catholic Church has requested a special permit to allow for a festival with music that may exceed this limit and will go an hour and a half beyond the 10:00 p.m. noise curfew.

On April 3, 2023, the Delta Township Board will consider St. Gerard's request for a temporary waiver of the Noise Ordinance. The meeting will be held at 6:00 p.m. in Room A of the Delta Township Administration building located at 7710 W. Saginaw Highway. The meeting room is located on the west end of the Administration Building on the second floor. Parking is also available on the west end of the building. All are welcome to attend this meeting.

If you have questions or wish to comment on this request please contact our office at (517) 323-8590, Monday through Friday between the hours of 8:00 a.m. and 5:00 p.m., or send your comments by e-mail to mworland@deltami.gov.

Sincerely,

Brian T. Reed
Township Manager



7710 West Saginaw Highway • Lansing, Michigan 48917-9712

Phone: (517) 323-8590 • Fax: (517) 327-1703

www.deltami.gov • www.facebook.com/deltatownship • www.twitter.com/deltatownship



**DELTA CHARTER TOWNSHIP
FINANCE REPORT
FOR TOWNSHIP BOARD MEETING
4/3/2023**

Disbursement requests listed on the following pages, totaling \$1,253,174.69 have been received and reviewed by the Manager, Finance Director, and Clerk. It is recommended that all listed vouchers be approved for payment.

Payroll & Related	409,618.63
Refunds	4,249.03
Tax Distributions	-
Vendor Claims	<u>839,307.03</u>
Total	<u><u>\$ 1,253,174.69</u></u>

Kenneth R. Fletcher, Township Supervisor

Mary R. Clark, Township Clerk

Dennis R. Fedewa, Township Treasurer

**PAYABLES FOR DELTA CHARTER TOWNSHIP
BOARD AGENDA DATE
4/3/2023**

Check Date	Check	Invoice Vendor	Description	Amount
03/21/2023	EFT	INSIGHT NORTH AMERICA LLC	INVESTMENT ADVISORY SERVICES - JANUARY 2023	2,131.99
03/22/2023	EFT	MICHIGAN FINANCE AUTHORITY	SEMIANNUAL PMT - SRF	119,260.04
03/22/2023	326592	LEE LANTZ	REFUND - CEMETERY DEPOSIT	300.00
03/22/2023	326593	CONSUMERS ENERGY	SERVICE @ MULTIPLE LOCATIONS (JAN-MAR 23)	14,375.07
03/22/2023	326594	DEARBORN NATIONAL LIFE INSURANCE CO	LIFE, ADD, LTD & OPT'L INSURANCE - APRIL 23	7,829.27
03/22/2023	326595	DELTA DENTAL PLAN OF MICHIGAN	DENTAL INSURANCE - APRIL 2023	15,337.70
03/22/2023	326596	JOHN DEERE FINANCIAL	SUPPLIES & MATERIALS FOR MULTIPLE DEPART	937.12
03/22/2023	326597	MERRITTA HUNT-PROCTOR	PLANNING PER DIEM - REISSUE CK 325712	300.00
03/22/2023	326598	LANSING BOARD OF WATER & LIGHT	SERVICE @ MULTIPLE LOCATIONS (FEB - MAR 23)	151.58
03/22/2023	326599	LOWES BUSINESS ACCOUNT	SUPPLIES & MATERIALS FOR MULTIPLE DEPTS	3,596.63
03/22/2023	326600	LEONA THABIT	REFUND P&R RENTAL DEPOSIT	250.00
03/22/2023	326601	PRISCILLA VASQUEZ	REFUND P&R RENTAL DEPOSIT	315.00
03/22/2023	326602	ERICA BREWER	REFUND P&R RENTAL DEPOSIT	250.00
03/22/2023	326603	ANGELITA MILLER	REFUND P&R RENTAL DEPOSIT	300.00
03/22/2023	326605	JOHN ROSSI	TRX SUSPENSION TRAINING CLASSES	195.00
03/22/2023	326606	SPECIALIZED LOAN SERVICING	REFUND STAX 22 040-068-002-730-00	677.86
03/22/2023	326607	TRACTOR SUPPLY CREDIT PLAN	STATEMENT FOR SUPPLIES & MATERIALS - FEB 23	699.38
03/22/2023	326608	CARMEN TURNER	PARKS, REC & CEMETERIES PER DIEM REISSUE CK 325208	100.00
03/22/2023	326609	UPS	SHIPPING CHARGES	44.44
03/22/2023	326610	U.S. POSTMASTER	2023 SPRING DELTA MAGAZINE - POSTAGE	3,813.47
03/22/2023	326611	MCCLELLAN, JULIE	REFUND W/S FOR ACCOUNT: 00035086 REISSUE	41.55
03/22/2023	326612	HARTMAN, CIERRA	REFUND SEC DEP FOR ACCOUNT: 00036390 - REISSUE	6.01
03/22/2023	326613	MIDWEST HERITAGE INN OF LANSING	REFUND W/S FOR ACCOUNT: 00013818 - REISSUE	567.16
03/29/2023	CCARD	AMAZON MARKETPLACE	MISC OFFICE & BUILDING SUPPLIES	1,258.85
03/29/2023	CCARD	CALL-EM-ALL	EMERGENCY NOTIFICATION SOFTWARE	19.00
03/29/2023	CCARD	DETROIT FREE PRESS	MONTHLY SUBSCRIPTION	9.99
03/29/2023	CCARD	DETROIT NEWSPAPER AGENCY	DETROIT NEWS SUBSCRIPTION RENEWAL	9.99
03/29/2023	CCARD	AMAZON MARKETPLACE	WIRE SHELVING RACK	43.99
03/29/2023	CCARD	DIMITRI'S RESTAURANT	EMPLOYEE RETREAT	1,125.00
03/29/2023	CCARD	FACEBOOK	ADVERTISING	34.60
03/29/2023	CCARD	FLOUR CHILD BAKERY	MULTI-LEAD PARAMEDIC TRAINING COURSE	448.00
03/29/2023	CCARD	AMAZON MARKETPLACE	VOLTAGE DETECTORS FOR ELECTRICAL LINES	1,130.40
03/29/2023	CCARD	HILTON GARDEN INN	EMPLOYEE RETREAT	118.72

03/29/2023	CCARD	AMAZON MARKETPLACE	CHARGERS, MICROPHONE, OTTERBOX	167.25
03/29/2023	CCARD	HOBBY LOBBY	FRAMES	45.03
03/29/2023	CCARD	JET'S PIZZA	WMB ST JOE & CHERBOURG	44.56
03/29/2023	CCARD	MAFC	MEMBERSHIP RENEWAL & CONFERENCE - KAHLER & GINEBAUGH	210.00
03/29/2023	CCARD	AMAZON MARKETPLACE	UNIFORM BOOTS	127.39
03/29/2023	CCARD	MAFC	WMAFC MEMBERSHIP MEETING	20.00
03/29/2023	CCARD	MAFC	MAFC CONFERENCE - CHIEF KAHLER	85.00
03/29/2023	CCARD	MAGNETSONTHECHEAP.COM	SIGNS	37.36
03/29/2023	CCARD	NAME TAG WIZARD	NAME TAGS	60.42
03/29/2023	CCARD	AMAZON MARKETPLACE	EMPLOYEE RETREAT - SUPPLIES	158.76
03/29/2023	CCARD	SAM'S CLUB	EMPLOYEE RETREAT	492.25
03/29/2023	CCARD	SPEEDWAY	EMPLOYEE RETREAT - ICE	5.49
03/29/2023	CCARD	TARGET WEST LANSING	FOOD CHPPER, MEASURING CUPS	82.95
03/29/2023	CCARD	WALGREENS	EMPLOYEE RETREAT - WATER	13.50
03/29/2023	CCARD	AMAZON MARKETPLACE	EMS TEXTBOOKS & BATTERIES, BARRICADE TAPE	909.74
03/29/2023	CCARD	FULL SOURCE, LLC	CLASS 3 HIGH VIS JACKETS FOR FIELD WORK	136.50
03/29/2023	CCARD	AMAZON MARKETPLACE	ALARM SYSTEM BATTERY PACK	85.76
03/29/2023	CCARD	WALMART STORES, INC.	SPECIAL EVENT SUPPLIES, BUILDING SUPPLIES	195.88
03/29/2023	CCARD	THE WALL STREET JOURNAL	MONTHLY SUBSCRIPTION - DIGITAL & PRINT	38.99
03/29/2023	CCARD	ACE HARDWARE OF GRAND LEDGE	MONITOR MOUNT HARDWARE	2.57
03/29/2023	CCARD	IAAI	IAAI 3-YR MEMBERSHIP	288.00
03/29/2023	CCARD	JERSEY MIKE'S	EMPLOYEE RETREAT	1,008.35
03/29/2023	CCARD	ADOBE, INC.	MONTHLY SUBSCRIPTION FOR STOCK PHOTOS	29.99
03/29/2023	CCARD	HARBOR FREIGHT TOOLS	SHOP PRESS, BEARING, INSPECTION CAMERA, MAGNETS	538.76
03/29/2023	CCARD	BUFFALO WILD WINGS	VOLLEYBALL LEAGUE CHAMP GIFT CARDS	80.00
03/29/2023	CCARD	HORROCKS FARM MARKET	NEW HIRE ACADEMY & STRAW BALES	134.84
03/29/2023	CCARD	MENARDS	CENTER PUNCH, GREASE, TABLE SAW	589.30
03/29/2023	CCARD	AUTO ZONE	COOLANT, DEF	131.94
03/29/2023	CCARD	FABIANO'S GROCERY & DELI	FIELD TRAINING OFFICER PROGRAM	63.04
03/29/2023	CCARD	CRIPPEN	LOCK, STRIKER	175.98
03/29/2023	CCARD	MICHIGAN STATE POLICE	INTERNET CRIMINAL HISTORY & BACKGROUND CHECKERS	90.00
03/29/2023	CCARD	MEIJER, INC.	SPECIAL EVENT & PARAMEDIC TRAINING COURSE SUPPLIES	577.78
03/29/2023	CCARD	YOURMEMBERSHIP.COM, INC.	MICHIGAN MUNICIPAL LEAGUE CLASSIFIED ADS	150.00
03/29/2023	CCARD	STATE OF MICHIGAN	UTILITIES TITLE - 2023 FREIGHTLINER 108S	15.31
03/29/2023	CCARD	FDSOA	FDSOA MEMBERSHIP FOR ALL OFFICERS	399.00
03/29/2023	CCARD	MICHIGAN ECONOMIC DEVELOPERS ASSOC	2023 PURE MI GOV CONFERENCE ON TOURISM	439.00
03/29/2023	CCARD	ORIENTAL TRADING COMPANY, INC.	EMPLOYEE RETREAT - FIDGET SPINNERS	189.98
03/29/2023	CCARD	MMTA	2023 BASIC INSTITUTE - FULL CONFERENCE.	599.00

03/29/2023	CCARD	LOWES BUSINESS ACCOUNT	LUMBER, SCREWS, RIGID TIE CORNERS, TARPS	374.06
03/29/2023	CCARD	COMCAST	SERVICE @ MULTIPLE LOCATIONS (FEB - MAR 23)	360.82
03/29/2023	CCARD	SOCIETY FOR HUMAN RESOURCE	PROFESSIONAL MEMBERSHIP	244.00
03/29/2023	CCARD	BJ'S WHOLESALE	DEPARTMENT MEMBERSHIP, REHAB, WATER	250.91
03/29/2023	CCARD	ALL TERRAIN MEDICAL	POOL LIFT EQUIPMENT	1,525.00
03/29/2023	CCARD	BARRY-EATON DISTRICT HEALTH	DISINTERMENT PERMIT DELTA CENTER	67.00
03/29/2023	CCARD	CHARLOTTE SHOE REPAIR	TURNOUT COAT REPAIR	54.00
03/29/2023	CCARD	CROWD PURR	EMPLOYEE RETREAT	49.99
03/29/2023	CCARD	CRUMBL COOKIES	MULTI-LEAD PARAMEDIC TRAINING COURSE	236.27
03/29/2023	CCARD	CRYSTAL MOUNTAIN	HAZARDOUS MATERIALS SAFETY CONFERENCE	204.92
03/29/2023	CCARD	DIPISAS PIZZA	FIRE INSTRUCTOR II TRAINING (HATFIELD, FUNK, BENNETT)	31.95
03/29/2023	CCARD	FAIRFIELD INN	FIRE INSTRUCTOR II TRAINING (HATFIELD, FUNK, BENNETT)	472.86
03/29/2023	CCARD	HEARTSMART	HEARTSMART AED WALL CABINET	157.94
03/29/2023	CCARD	HOLIDAY INN	ULTIUM PLANT INSPECTION	96.00
03/29/2023	CCARD	MARTIN YALE	FOLDING MACHINE SERVICE	119.53
03/29/2023	CCARD	OHIO TURNPIKE	ULTIUM PLANT INSPECTION	27.25
03/29/2023	CCARD	QUAKER STEAK	ULTIUM PLANT INSPECTION	20.41
03/29/2023	CCARD	WIFI ONBOARD	BROWSE FLIGHT PASS	15.00
03/29/2023	CCARD	MFIS	MFIS CONFERENCE - RUSTER	441.25
03/29/2023	CCARD	STATE OF MICHIGAN	DRAINS CONTRACTUAL SERVICES	510.00
03/29/2023	CCARD	INT'L ASSOCIATION OF FIRE CHIEFS	IAFC MEMBERSHIP - CHIEF GINEBAUGH	215.00
03/29/2023	CCARD	MICHIGAN MUNICIPAL LEAGUE	ANNUAL MEETING - BREWER, BOWEN, REED & WORLAND	1,690.00
03/29/2023	CCARD	HONOR GUARD	CANCELLED TRAINING REFUND - HONOR GUARD	(425.00)
03/29/2023	EFT	INSIGHT NORTH AMERICA LLC	INVESTMENT ADVISORY SERVICES - FEBRUARY 2023	2,132.07
03/29/2023	326629	CAPITAL AREA UNITED WAY	PAYROLL WITHHOLDING 03/24/23	29.23
03/29/2023	326630	JUDITH WOODLAND	REFUND - CEMETERY DEPOSIT	300.00
03/29/2023	326631	KEN FULLER	REFUND - CEMETERY DEPOSIT	300.00
03/29/2023	326632	MONICA COLEMAN	SENSE OF BALANCE MARCH CLASSES	168.00
03/29/2023	326633	DBI BUSINESS INTERIORS	OFFICE & OPERATING SUPPLIES - FEBRUARY 2023	773.75
03/29/2023	326634	DORNBOS SIGN & SAFETY, INC.	96X48 MULTI COLOR SIGNAGE	371.85
03/29/2023	326635	EATON COUNTY	56A DISTRICT COURT PMTS - FEB 2023	1,653.58
03/29/2023	326636	USA TODAY NETWORK	NOTARIZED ADVERTISING (DECEMBER 2022)	1,212.00
03/29/2023	326637	ERIN INMAN	KNITTING & CROCHET CLASSES, WINTER SESSION	351.00
03/29/2023	326638	LANSING BOARD OF WATER & LIGHT	SERVICE @ MULTIPLE LOCATIONS (JAN - MAR 23)	17,266.88
03/29/2023	326639	METRO FIBERNET LLC	SERVICE @ ENRICHMENT CENTER (MAR - APR 23)	342.71
03/29/2023	326640	MMAAO	PRESENTATION: DOLLAR STORES 4/12/23	25.00
03/29/2023	326641	MICHIGAN WATER ENVIRONMENT ASSOC.	2023 JOINT EXPO & OPERATORS DAY - REISSUE CK 326053	290.00
03/29/2023	326642	PANERA BREAD	REFUND - DLQ TAX	82.58

03/29/2023	326643	SUN LIFE FINANCIAL	ACCIDENT & CRITICAL ILLNESS INSURANCE - MAR 23	1,600.65
03/29/2023	326644	UPS	SHIPPING CHARGES	22.04
03/29/2023	326645	U.S. POSTMASTER	POSTAGE FOR BULK MAILING OF MILLAGE MAIL	3,327.65
03/29/2023	326646	VERIZON	MACHINE TO MACHINE DEVICES (FEB - MAR 23)	316.08
03/29/2023	326647	VILLARREAL, ANGELITA	REFUND W/S FOR ACCOUNT: 00035798	34.44
03/29/2023	326648	CAMPBELL, ANN	REFUND W/S FOR ACCOUNT: 00032661	470.74
03/29/2023	326649	ESCH, GURBAKSH	REFUND W/S FOR ACCOUNT: 00037539	43.04
03/29/2023	326650	DIVERSIFIED NATIONAL TITLE AGENCY	REFUND W/S FOR ACCOUNT: 00034548	10.08
03/29/2023	326651	CHAFFEE, AUGUST	REFUND W/S FOR ACCOUNT: 00033544	101.57
03/29/2023	326652	ROBERT WILSON	EDC PER DIEM 2021 REISSUE CK 324983	100.00
03/29/2023	326653	VOYANT COMMUNICATIONS	PHONE & INTERNET SERVICE - MARCH 2023	4,016.29
03/29/2023	326756	HALLOCK, TOLEEA	REFUND W/S SEC DEP FOR ACCOUNT: 00037069	90.00
04/05/2023	326654	AIRGAS USA, LLC	OXYGEN	140.84
04/05/2023	326655	INTERSTATE BILLING SERVICES, INC	SERVICE ON EQUIPMENT, FILTERS, GEAR LUBE	1,889.83
04/05/2023	326656	ALRO STEEL	STEEL	39.38
04/05/2023	326657	AMERICAN HOIST, AIR & LUBE EQUIP	ANNUAL HOIST INSPECTION	431.00
04/05/2023	326658	AMERICAN RENTALS, INC.	PORTABLE TOILETS	625.00
04/05/2023	326659	APOLLO FIRE APPARATUS	LITTLE GIANT LADDER HANDLE ASSY	115.96
04/05/2023	326660	TELEFLEX LLC	NEEDLE SET AND STABILIZER	1,345.50
04/05/2023	326661	ASBESTOS ABATEMENT INC.	ASBESTOS SAMPLING	940.00
04/05/2023	326662	AUTO VALUE PARTS STORE	MISC PARTS, SUPPLIES, AND TOOLS	923.06
04/05/2023	326663	BARRY-EATON DISTRICT HEALTH	FOOD SERVICE LICENSE RENEWAL	183.00
04/05/2023	326664	BARRY-EATON DISTRICT HEALTH	FOOD SERVICE LICENSE RENEWAL - MT HOPE PARK	183.00
04/05/2023	326665	BARYAMES CLEANERS, INC.	CHIEF & ASST CHIEFS UNIFORMS - LAUNDRY	192.70
04/05/2023	326666	BENJAMIN PROPERTY MANAGEMENT	OPTION AGREEMENT FOR ST JOE WATER MAIN	500.00
04/05/2023	326667	BERGER CHEVROLET	2023 CHEVY SILVERADO	35,216.00
04/05/2023	326668	BOUND TREE MEDICAL, LLC	MEDICAL SUPPLIES	3,915.50
04/05/2023	326669	BOYNTON FIRE SAFETY SERVICE	FIRE EXTINGUISHER RECHARGE	220.00
04/05/2023	326670	BRD PRINTING, INC.	ENVELOPES	225.08
04/05/2023	326671	CANON FINANCIAL SERVICES, INC.	MONTHLY COPIER CONTRACT CHARGE - MARCH 23	1,298.00
04/05/2023	326672	CDW GOVERNMENT, INC.	KEYBOARD, SCAN JET	858.54
04/05/2023	326673	CINTAS CORPORATION #725	MATS FOR SUBSTATION	80.36
04/05/2023	326674	CITY OF LANSING	GM SANITARY SEWER 425 AGREEMENT (01/17 - 02/23)	48,495.30
04/05/2023	326675	CITY OF SOUTH BEND	SWIFTWATER OPERATIONS/TECHNICIAN	750.00
04/05/2023	326676	CLASSIC COFFEE CO.	COFFEE, CREAM, SUGAR - STATIONS #1 & #3	456.50
04/05/2023	326677	CROWNE PLAZA LANSING WEST	MOTHER SON DANCE	1,452.00
04/05/2023	326678	DAVID CHAPMAN AGENCY, INC.	22/23 AUTO AUDIT	370.00
04/05/2023	326679	DETROIT PUMP & MFG COMPANY	WILLOW PUMP #1 REPAIR	9,350.00

04/05/2023	326680	DUBOIS-COOPER	IMPELLER FOR WILLOW LS	818.00
04/05/2023	326681	EATON COUNTY	WORKCREW SERVICES - FEB/MAR 2023	4,350.00
04/05/2023	326682	EATON COUNTY TREASURER	SHERIFF CONTRACTUAL - APRIL 2023	337,843.00
04/05/2023	326683	EATON COUNTY DRAIN COMMISSION	MT HOPE PROJECTS, ULTIUM, CARRIER CREEK INTERCEPTOR	25,805.00
04/05/2023	326684	ESTES LEADLEY	VAULT INSTALLATION	390.00
04/05/2023	326685	ETNA SUPPLY COMPANY	METERS, SADDLES, COMPRESSION GASKETS, CURB BOXES	3,399.00
04/05/2023	326686	FACILITY SOLUTIONS, INC.	RESTROOM RESTORATION, BATTERIES, JANITORIAL SUPPLIES	5,849.56
04/05/2023	326687	FD HAYES ELECTRIC CO.	REPAIR AT DELTA ENRICHMENT CENTER	185.00
04/05/2023	326688	FERGUSON ENTERPRISES, INC.#2000	VACUUM BREAKER REPAIR KIT	5.69
04/05/2023	326689	FIBERTEC ENVIRONMENTAL SERVICES	FIRST QUARTER PFAS & HG MONITORING	741.00
04/05/2023	326690	FLEETPRIDE	BRAKE DIAPHRAGM	6.19
04/05/2023	326691	FLUID CONNECTIONS, INC	SHOP HOSE PARTS	14.21
04/05/2023	326692	FLUID CONNECTIONS INC	PARTS FOR SHOP POWER WASHER	116.91
04/05/2023	326693	GORDON FOOD SERVICE, INC.	PAPER PLATES, COFFEE	69.97
04/05/2023	326694	GRAINGER	TOOLS & SUPPLIES	1,503.97
04/05/2023	326695	MORRIE'S GRAND LEDGE FORD LINCOLN	BRAKE PADS & ROTORS	319.53
04/05/2023	326696	GRAYMONT WESTERN LIME, INC.	HIGH CALCIUM QUICKLIME	7,367.29
04/05/2023	326697	GREAT LAKES CLEANING SYSTEMS	PRESSURE WASHER VALVE REBUILD	635.88
04/05/2023	326698	HACH COMPANY	WRRF PHASE I - NEW LAB EQUIPMENT	8,498.00
04/05/2023	326699	DUSTIN HALL	REIMBURSEMENT - FIRE INSTRUCTOR FOOD	191.46
04/05/2023	326700	HAMMOND FARMS	SOIL	75.00
04/05/2023	326701	I/O SOLUTIONS, INC.	NEXT GENERATION FIREFIGHTER/EMT EXAMS	190.00
04/05/2023	326702	ANDREW JASON	BOARD OF REVIEW PER DIEM - MARCH 2023	300.00
04/05/2023	326703	RICHARD KANE	SCMWA & WW OPERATOR REIMBURSEMENT	131.90
04/05/2023	326704	KENDALL ELECTRIC INC.	EL2 PARTS - ULTIUM, FUSES, B-LINE CHANNEL	2,738.37
04/05/2023	326705	KENNEDY INDUSTRIES, INC.	VALVE PARTS	1,219.63
04/05/2023	326706	KIMBALL MIDWEST	HARDWARE, RACK	1,512.91
04/05/2023	326707	KODIAK EMERGENCY VEHICLES	PARTS, VENT COVERS, SOLENOID POWER DISCONNECT	1,075.37
04/05/2023	326708	LIQUID SPRING, LLC	ISOLATION VALVE	245.21
04/05/2023	326709	MANER COSTERISAN	2022 AUDIT - PARTIAL FEE	30,235.72
04/05/2023	326710	MAURER'S	UTILITIES/PARKS UNIFORMS - FEBRUARY 2023	761.56
04/05/2023	326711	MCCARDEL RESTORATION	BURST PIPE DAMAGE	5,145.00
04/05/2023	326712	MENARDS	MISC PATS, TOOLS & SUPPLIES	1,026.93
04/05/2023	326713	MERIT LABORATORIES, INC.	DEP-CAT001	968.00
04/05/2023	326714	MICHIGAN SOLAR SOLUTIONS	REFUND - BD PAYMENT	109.00
04/05/2023	326715	MICHIGAN STATE FIREMEN'S ASSO.	FIRE OFFICER PRINCIPLES AND PRACTICE 4TH	478.63
04/05/2023	326716	MICHIGAN STATE POLICE	REGISTRATION FEE FOR 2023 MI HAZMAT RESPONSE	300.00
04/05/2023	326717	MICHIGAN STATE POLICE	REGISTRATION FEE FOR 2023 MICHIGAN HAZMAT	400.00

04/05/2023	326718	MICHIGAN URBAN SEARCH & RESCUE	ROPE RESCUE TECHNICIAN - P.RENAS, A.WEST	1,820.00
04/05/2023	326719	MID-MICHIGAN CODE OFFICIALS ASSOC	2023 MEMBERSHIP APPLICATION	300.00
04/05/2023	326720	MOMAR, INC	ALL WEATHER ASPHALT PATCH	989.13
04/05/2023	326721	MYERS PLUMBING & HEATING, INC.	DRINKING FOUNTAIN REPLACEMENT, BOILER & DRAIN REPAIR	4,698.37
04/05/2023	326722	NELSON TANK ENGINEERING & CONS	PIPING & ANTENNA SUPPORT DETAIL, PRECON MEETING	3,265.00
04/05/2023	326723	NEW COVENANT CHRISTIAN CHURCH	ST JOE WATER MAIN PATHWAY EASEMENT	800.00
04/05/2023	326724	NORTH GRAND RIVER COOPERATIVE	DELTA FIRE MEDICAL LINENS - FEBRUARY 2023	148.31
04/05/2023	326725	NYE UNIFORM	UNIFORMS	3,026.20
04/05/2023	326727	OHM ADVISORS	BP1 E GM SANITARY SEWER LIFT STATION	6,112.00
04/05/2023	326728	PHOENIX SAFETY OUTFITTERS	BOOTS	446.86
04/05/2023	326729	PITNEY BOWES GLOBAL FINANCIAL SRVC	QUARTERLY POSTAGE MACHINE (1ST QTR 2023)	783.24
04/05/2023	326730	PITNEY BOWES, INC	EZ SEAL BOTTLES	82.99
04/05/2023	326731	PLERUS PAYMENT CENTER	POLL BOOK BINDERS, ABSENT VOTER POLL BOOK	215.28
04/05/2023	326732	PONTEM SOFTWARE	ANNUAL SUPORT-MAINTENANCE SUBSCRIPTION	3,085.00
04/05/2023	326733	PRECISION PARTS & TOOLING	SHARPEN BLADES	465.00
04/05/2023	326734	PROGRESSIVE AE	W. SAGINAW HWY CORRIDOR PLAN	215.00
04/05/2023	326735	PROVIDENCE CONSULTING COMPANY	MICROSOFT 365	2,074.30
04/05/2023	326736	QUALITY TIRE, INC.	TIRES	660.50
04/05/2023	326737	REVELS TURF & TRACTOR	MIRROR KIT	172.44
04/05/2023	326738	RICOH USA, INC	PRINTER MAINTENANCE	225.17
04/05/2023	326739	R.M. ELECTRIC, INC.	DRINKING FOUNTAIN	353.63
04/05/2023	326740	ROSE PEST SOLUTIONS	MONTHLY PEST CONTROL	53.00
04/05/2023	326741	ROUTE 23	TOLEDO MUSEUM OF ART TRIP	3,234.00
04/05/2023	326742	SAFEWARE, INC.	EMERGENCY PLUG KIT	1,700.00
04/05/2023	326743	SHERWIN-WILLIAMS	PAINT FOR WRRF	319.12
04/05/2023	326744	SITEONE LANDSCAPE SUPPLY, LLC	MOLE BAIT, SPRINKLER HEAD TRIMMER	654.22
04/05/2023	326745	THE SHYFT GROUP USA, INC.	REPAIR ON TRUCK 1S9A1HND8F1003069	13,754.90
04/05/2023	326746	STERICYCLE, INC.	MEDICAL WASTE DISPOSAL SERVICE- APRIL 2023	47.25
04/05/2023	326747	SUNDANCE CHEVROLET	MISC PARTS	404.00
04/05/2023	326748	TALK TO ME TECHNOLOGIES	COMMUNICATION BOARDS	4,277.95
04/05/2023	326749	TERMINIX PROCESSING CENTER	ANNUAL PEST CONTROL @ 7550 W WILLOW HWY	311.00
04/05/2023	326750	KIMBERLY TYSON	BOARD OF REVIEW PER DIEM - MARCH 2023	300.00
04/05/2023	326751	USA BLUE BOOK	CUST # 353042 BRASS BALL VALVE, BRASS PLUG, CAPS	611.28
04/05/2023	326752	VISION MARKETING	NAME TAGS	79.45
04/05/2023	326753	WAVERLY SCHOOLS	CUSTODIAL WAGES - FEB 2023	1,067.50
04/05/2023	326754	JON WISE	BOARD OF REVIEW PER DIEM - MARCH 2023	300.00
04/05/2023	326755	ZOLL MEDICAL CORP	RESQPOD	1,165.90
04/05/2023	TBD	ALLEGRA PRINTING	POSTAGE FOR DELTA NOW!	3,879.99

PAYABLES

\$ 843,585.29

PAYROLL PAY ENDING 03/18/2023

\$ 409,589.40

\$ 1,253,174.69

CHARTER TOWNSHIP OF DELTA
Public Meeting Room A
Delta Township Administration Building
7710 West Saginaw Highway
Lansing, MI 48917

**TOWNSHIP BOARD REGULAR MEETING MINUTES FOR
MONDAY, MARCH 20, 2023**

I. CALL TO ORDER

Supervisor Fletcher called the meeting to order at 6:00pm.

II. OPENING CEREMONIES – Pledge of Allegiance

III. ROLL CALL

Members Present: Supervisor Kenneth R. Fletcher, Clerk Mary R. Clark, Trustee Elizabeth S. Bowen, Trustee Fonda J. Brewer, and Trustee Andrea M. Cascarilla

Members Absent: Treasurer Dennis R. Fedewa and Trustee Karen J. Mojica

Others Present: Manager Brian T. Reed, Finance Director Courtney Nicholls, Building Director Matt Leach, Deputy Clerk Shea Mattson, Fire Chief Gregg Ginebaugh, Lieutenant Elbert (Al) Sidel, Parks, Recreation and Cemeteries Director Marcus Kirkpatrick, and Utilities Director Rick Kane.

TRUSTEE CASCARILLA MOVED TO EXCUSE TREASURER FEDEWA AND TRUSTEE MOJICA FROM THE MARCH 20, 2023, REGULAR BOARD MEETING.

TRUSTEE BREWER SUPPORTED THE MOTION. THE MOTION PASSED 5-0.

IV. PRESENTATIONS AND PROCLAMATIONS

V. SET/ADJUST AGENDA

TRUSTEE BREWER MOVED TO APPROVE THE AGENDA AS PRESENTED.

TRUSTEE CASCARILLA SUPPORTED THE MOTION. THE MOTION PASSED 5-0.

VI. PUBLIC HEARING

VII. COMMUNICATIONS

VIII.

MONDAY, MARCH 20, 2023, TOWNSHIP BOARD MINUTES – REGULAR MEETING
CHARTER TOWNSHIP OF DELTA

1. WRFF

2. Ultium 3 Update

IX. PUBLIC COMMENTS

X. INTRODUCTION OF ORDINANCES

XI. PASSAGE OF ORDINANCES

XII. CONSENT AGENDA

TRUSTEE CASCARILLA MOVED TO APPROVE THE CONSENT AGENDA AS PRESENTED.

TRUSTEE BOWEN SUPPORTED THE MOTION.

ROLL CALL:

AYES: SUPERVISOR FLETCHER, CLERK CLARK, TRUSTEE BOWEN, TRUSTEE BREWER, AND TRUSTEE CASCARILLA

NAYS: NONE

ABSENT: TREASURER FEDEWA AND TRUSTEE MOJICA

THE MOTION PASSED 5-0.

3. Bills and Financial Transactions

Bonds/Debt Payments	\$	
Payroll & Related	\$	466,958.70
Refunds	\$	1,423.56
Tax Distributions	\$	693,687.92
Vendor Claims	\$	4,818,754.39
Total	\$	5,980,824.57

TRUSTEE CASCARILLA MOVED TO APPROVE THE CONSENT AGENDA AS PRESENTED.

TRUSTEE BOWEN SUPPORTED THE MOTION. THE MOTION PASSED 5-0.

4. Minutes

- a. **Monday, March 6, 2023 – Regular Board Meeting**
- b. **Monday, March 13, 2023 – Committee of the Whole Meeting**

TRUSTEE CASCARILLA MOVED TO APPROVE THE CONSENT AGENDA AS PRESENTED.

TRUSTEE BOWEN SUPPORTED THE MOTION. THE MOTION PASSED 5-0.

5. Large Utility Truck Purchase Request

TRUSTEE CASCARILLA MOVED THAT THE DELTA TOWNSHIP BOARD ACCEPTS THE PROPOSALS FROM D&K TRUCK FOR THE FREIGHTLINER M2 106 TRUCK CHASSIS AND FROM KNAPHEIDE FOR THE SERVICE BODY (UTILITY BOX) FOR THE COMBINED SUM OF \$126,369.30.

I FURTHER MOVE THAT THE TOWNSHIP BOARD AUTHORIZE THE TOWNSHIP MANAGER TO SIGN THE PURCHASE AUTHORIZATION FORMS.

TRUSTEE BOWEN SUPPORTED THE MOTION. THE MOTION PASSED 5-0.

6. Pickup Truck Purchase

TRUSTEE CASCARILLA MOVED THAT THE DELTA TOWNSHIP BOARD ACCEPT THE PROPOSAL FROM BERGER CHEVROLET, THROUGH THE MIDEAL BID PROGRAM, FOR THE PURCHASE OF A 2023 CHEVROLET SILVERADO 2500 4X4 DOUBLE CAB PICKUP TRUCK AT A COST OF \$35,216.00.

I FURTHER MOVE, THAT THE TOWNSHIP MANAGER BE AUTHORIZED TO EXECUTE THE PURCHASE AUTHORIZATION FORMS.

TRUSTEE BOWEN SUPPORTED THE MOTION. THE MOTION PASSED 5-0.

7. 2022 Water Resources Recovery Facility Major Capital Improvements Phase 1 Recommendations for Approval of Change Order No 3

TRUSTEE CASCARILLA MOVED THAT THE DELTA TOWNSHIP BOARD APPROVE THE PROPOSED CHANGE ORDER NO. 3 WITH COMMERCIAL CONTRACTING CORPORATION, INCREASING THE CONTRACT FOR PHASE 1 OF THE WATER RESOURCE RECOVERY FACILITY MAJOR

MONDAY, MARCH 20, 2023, TOWNSHIP BOARD MINUTES – REGULAR MEETING
CHARTER TOWNSHIP OF DELTA

CAPITAL IMPROVEMENTS PROJECT BY \$154,743.03 FOR A TOTAL OF
\$73,269,586.22;

I FURTHER MOVE, THAT THE TOWNSHIP MANAGER BE AUTHORIZED
AND DIRECTED TO EXECUTE THE CHANGE ORDER NO 3 ON BEHALF
OF THE TOWNSHIP.

TRUSTEE BOWEN SUPPORTED THE MOTION. THE MOTION PASSED 5-
0.

8.Surplus Property

TRUSTEE CASCARILLA MOVED THAT THE DELTA TOWNSHIP BOARD
AUTHORIZE THE DISPOSAL OF THE SCBA EQUIPMENT THROUGH
DONATION TO A LOCAL HIGH SCHOOL OR COMMUNITY COLLEGE FIRE
SCIENCE TRAINING PROGRAM.

TRUSTEE BOWEN SUPPORTED THE MOTION. THE MOTION PASSED 5-
0.

**9. Authorization to Execute the Participation Agreement for the Nation
Opioid Settlement Agreements**

TRUSTEE CASCARILLA MOVED THAT THE DELTA TOWNSHIP BOARD
APPROVE THE RESOLUTION TO EXECUTE THE PARTICIPATION
AGREEMENTS FOR NATIONAL OPIOID SETTLEMENT AGREEMENTS.

TRUSTEE BOWEN SUPPORTED THE MOTION. THE MOTION PASSED 5-
0.

XIII. ITEMS REMOVED FROM CONSENT AGENDA FOR DISCUSSION

XIV. ITEMS ADDED TO AGENDA UNDER SECTION V. SET/ADJUST AGENDA

XV. OLD ITEMS OF BUSINESS

XVI. NEW ITEMS OF BUSINESS

10. Board and Commission Appointments

SUPERVISOR FLETCHER MOVED THAT THE AFOREMENTIONED
PERSONS BE APPOINTED TO THE TOWNSHIP BOARDS/COMMISSIONS;
AND THAT THE CLERK IS HEREBY DIRECTED TO SEND NOTIFICATION
TO ALL OF THOSE SELECTED INFORMING THEM OF THEIR
APPOINTMENT.

MONDAY, MARCH 20, 2023, TOWNSHIP BOARD MINUTES – REGULAR MEETING
CHARTER TOWNSHIP OF DELTA

TRUSTEE CASCARILLA SUPPORTED THE MOTION. THE MOTION
PASSED 5-0.

XVII. MANAGER’S REPORT – Brian Reed, Township Manager

Manager Reed presented his updates to the Township Board:

- Juneteenth celebrations are upcoming, with the Black History Mobile Museum will be in Delta Township on June 15, 2023, along with neighboring communities’ events including jazz performances, art competitions, and a 5k walk, run or and roll.
- The Township will be submitting card of support for Senate bill SB50 to make Juneteenth a state holiday.
- Thank you to the Board members that attended the Waverly pool ribbon cutting this evening before the Board meeting.

XVIII. COMMITTEE OF THE WHOLE

11. Building Department Annual Report

Building Director, Matt Leach, presented the Building Department 2022 Annual Report to the Board.

XIX. CLOSED SESSION

XX. PUBLIC COMMENTS

XXI. ADJOURNMENT –

Supervisor Fletcher adjourned the meeting at 6:41pm.

CHARTER TOWNSHIP OF DELTA

KENNETH R. FLETCHER, SUPERVISOR

MARY R. CLARK, TOWNSHIP CLERK



Utilities Department

(517) 323-8570

To: Supervisor Kenneth R. Fletcher and the Delta Township Board

**From: Rick Kane, Utility Director
Matt Leach, Building Director
Marcus Kirkpatrick, Parks Director
Brian Reed, Township Manager**

Date: April 3, 2023

Re: Vehicle Order Request

For the 2024 budget, Township departments will be budgeting for fleet vehicle replacements.

In following Township purchasing policy, we are purchasing these vehicles through the MiDeal program.

MiDEAL is the State of Michigan's extended purchasing program that allows Michigan cities, townships, villages, counties, school districts, universities, colleges and nonprofit hospitals to buy goods and services from state contracts. The program is authorized by Michigan Legislation and has been in existence since 1984. Members benefit directly from the reduced cost of goods and services and indirectly by eliminating the time needed to process bids.

Due to manufacturer's supply of vehicles, MiDeal and their approved dealerships have drastically changed the vehicle procurement process. Currently, there is a limited window or timeline to place an order for vehicles for the year 2024. The dealership has recently informed us that in order to take delivery of vehicles in 2024, the window to order these vehicles is April-May of 2023.

Once the vehicles are built, prior to delivery, we will bring this request back to the board, seeking a resolution to purchase the vehicles, itemizing all costs.

In working with other departments within the Township, we are requesting the following (see attached for more information):

Utility Department: 1 – ¾ ton pickup truck, 2-wheel drive
1 – ½ ton pickup truck, 2-wheel drive

Building Department: 1 – ½ ton pickup truck, 4-wheel drive

Parks Department: 2 – 2500HD Silverado, 4-wheel drive

In 2023, Utility and Parks departments had budgeted vehicle replacements; however, due to manufacturer shortages, we were unable to order and purchase vehicles.

I offer the following motion:

"I move that the Delta Township Board approve the order request for two pickup trucks for the Utility Department, one pickup truck for the Building Department, and two trucks for the Parks Department."



TRUCK EQUIPMENT (Page B)

The items listed below are to be supplied on all trucks, even though they may be optional with the manufacturer. They have also been included in the individual specifications and are to be furnished on all vehicles:

- 1 See individual specifications for MDOT specific options. 12 Volt auxiliary outlet
- 2 Air Conditioning - All trucks.
- 3 Color-Manufacturers Standard to be selected.
- 4 Coolant System-Maximum Size Available, including the Heaviest Duty Radiator
- 5 Fuel Tanks, Diesel, with sending unit and magnetic drain plug, on all trucks over 21,000 G.V.W.R., painted Black and labeled "Diesel Fuel Only".
- 6 Hub caps on all pickups and vans up to and including 10,000 G.V.W.R. If not available from dealer cap nuts shall be furnished.
- 7 Keys-(2) sets with code numbers; shall be with vehicle at time of delivery. (Three sets for MDOT)
- 8 Mirrors All trucks are to be equipped with R.H. and L.H. outside rearview mirrors to comply with Michigan laws; all trucks up to and including 15,000 G.V.W.R. shall be equipped with inside rearview mirror. In all cases, outside R.H. & L.H. rear view mirrors shall be 34 sq.in. minimum, swing away type and provide full vision past all body installations. Mirrors shall be of stainless steel or high impact plastic construction unless denoted otherwise in individual truck specifications. All West Coast Type or Below Eye Level Camper Style Mirrors shall have stainless steel or high impact plastic heads, brackets, and hardware.
- 9 Paint codes-factory paint codes shall be furnished with all vehicles; for all after market painting both the brand and paint code shall be furnished.
- 10 Pre-delivery inspection and servicing.
- 11 Radio - AM/FM Manufacturers Standard.
Factory Installed Seats-Split Bench type, unless otherwise specified.
- 12 Shock absorbers-(Heaviest Duty Available), front all trucks. Rear, up to and including 15,000 G.V.W.R.
- 13 Spare tire, or Rim, not to be furnished unless specified. If specified, tires to be of same mfg., tread design to be same as front tires.
- 14 Speed Control.
- 15 Factory Installed Power Steering, Tilt Wheel.
- 16 Transmission-Automatic.
- 17 Jack-Furnish on trucks up to and including 12,000 G.V.W.R.
- 18 All items removed for installation of optional equipment shall be returned to the State of Michigan or the Ordering Entity.

VEHICLES SHALL TO BE EQUIPPED IN COMPLIANCE WITH ALL APPLICABLE FEDERAL MOTOR VEHICLE SAFETY STANDARDS AND REGULATIONS. ALL VEHICLES MUST BE EQUIPPED TO COMPLY WITH ALL REQUIREMENTS OF THE MICHIGAN MOTOR VEHICLE CODE.

Delete: On GM vehicles, OnStar and XM radio are deleted.

PRE-DELIVERY SERVICE

The term "Pre-Delivery Service and Inspection" as used in State of Michigan Specifications includes the following:

- 1** General appearance of body both interior and exterior for completeness and quality of workmanship
- 2** Lubrication and fluid levels and correcting any leaks:
 - a Radiator
 - b Windshield Washer
 - c Battery
 - d Power steering pump
 - e Brake master cylinder
 - f Engine oil
 - g Transmission fluid level.
- 3** Mechanical operation of vehicle:
 - a Steering gear and linkage
 - b Suspension assembly, front and rear
 - c Proper tire pressure to normal rated road requirements
 - d Hood latch
 - e Head lights, aim and adjust
 - f Front wheel toe in and torque wheel nuts
 - g Seat and shoulder belts operative
 - h All locks and latches to be operative
 - i Windshield wiper and washer to be operative
 - j Proper adjustment to all drive belts
- 4** A check of all electrical operations to include: headlights, side marker lights, temperature, alternator, oil pressure lights, parking lights, stop and tail lights, directional signals, emergency flasher and parking brake lights.
- 5** **Miscellaneous items to be furnished:**
 - a Manufacturers Window Sticker shall not be removed from vehicle.
 - b Odometer Certification, vehicle window sticker, or line setting ticket, and Vehicle Curb Weight at time of delivery.
 - c Manufacturers or Dealers Pre-Delivery Check Sheet.
 - d Vehicle shall have a minimum of one fourth ($\frac{1}{4}$) tank of Fuel when delivered.
 - e Warranty Plate and Operators Manual(s) shall be delivered with vehicle at no cost to the State of Michigan.
 - f Completed RD108 application for title form.
 - g Invoice for each vehicle at the time of delivery.
 - h Vehicle Order Confirmation Sheet.
- 6** Deliveries shall be between the hours of 8 AM and 3 PM. No Weekend or Holiday Deliveries will be accepted. Forty-eight (48) hour notice required prior to delivery.

It is intended that vehicles delivered in accordance with the Michigan specifications will be complete, including mechanical details, general workmanship and appearance, and shall be delivered complete with all warranty service books and identification plate.

Failure to adhere to specifications may be reason to delay payment.

RECEIVING PROCEDURE

It is important that all State agencies and departments carefully inspect all vehicles prior to signing the Freight Bill. If any vehicle is received in a damaged condition or component parts or accessories are missing, a notation of the discrepancy(ies) is to be made on the Freight Bill and then be signed by the driver who delivered the vehicles. A Complaint to Vendor Form should be initiated and sent to the Contractor at once noting discrepancies. Failure to note obvious deficiencies at time of delivery on the Freight Bill may place the burden of repair on the Ordering Entity

It is recommended that the following items be checked by the Ordering Entity prior to signing the Freight Bill:

- 1** Visually inspect exterior of vehicle for paint, body, tire, tail light, antenna, outside rear view mirror and molding damage.
- 2** Visually inspect under hood for the following items:
 - a** Air cleaner
 - b** Battery and caps
 - c** Radiator cap
 - d** Windshield washer container.
- 3** Check for cracked or broken windows.
- 4** Check trunk compartment for the following:
 - a** Spare tire and wheel
 - b** Jack
 - c** Wheel wrench
 - d** Four hub caps
 - e** Trunk mat.
- 5** Check interior of vehicle for the following items:
 - a** Owner's manual and warranty material
 - b** Cigarette lighter
 - c** Two sets of keys (Three sets for MDOT)
 - d** Make sure all seat belts are installed
 - e** Sun visors
 - f** Upholstery damage or excessive soil.

It is the responsibility of the Ordering Entity to check for any other items that could possibly have been missing in accordance with the purchase order, specification data and the dealer's vehicle order confirmation sheet.

Vehicle Build Specifications in Addition to the Minimum MiDeal Specifications

Vehicle number 1 – Utility Dept.

¾ ton truck, 2-wheel drive, regular cab, 8ft box, AC, power window lock, with the following options:

MIDEAL spec	Silver paint exterior
Cloth seats	Upgrade side mirrors
Spray bed liner	Trailer tow package
Upgrade tires to A/T	Back up alarm
Aux battery	Power window if available without package upgrade

Vehicle number 2 – Utility Dept.

½ ton truck, 2-wheel drive, regular cab, 8ft box, AC, power window lock with the following options

MIDEAL spec	Silver paint exterior
Cloth seats	Upgrade side mirrors
Spray bed liner	Trailer tow package
Upgrade tires to A/T	Back up alarm
Aux battery	Power window if available without package upgrade

Vehicle number 3 - Building Dept.

½ Ton truck, 4-wheel drive, regular cab, 8ft box, AC, power window lock with the following options

MiDeal Spec	Silver paint exterior
Cloth seats	Upgrade side mirrors
Spray in bed liner	Trailer tow package
Upgrade tires to A/T	Back up alarm
Aux battery	Power window if available without package upgrade

Vehicle number 4 & 5 – Parks Dept.

¾ ton truck, 4-wheel drive, regular cab, 8ft box, AC, power window lock, with the following options:

MiDeal Spec	Silver paint exterior
Vinyl seats	Upgrade side mirrors
Trailer tow package	Snowplow package
Upgrade tires to A/T	Back up alarm
Aux battery	



Planning Department

(517) 323-8560

MEMO

TO: Supervisor Kenneth R. Fletcher & Township Board
Delta Charter Township

FROM: Gary Bozek
Planning Director

DATE: March 28, 2023

SUBJECT: Introduction of Broadbent Development, LLC Rezoning Request, AG2 to RC, Southwest Corner of Broadbent/M-43 in Case 1-23-5.

The Township is in receipt of a rezoning request, along with a companion Planned Unit Development Special Land Use Permit request, for a ±59-net acre ±300-unit townhouse development at the southwest corner of M-43 and Broadbent Road. The applicant is Broadbent Development, LLC and the request is to rezone the subject parcel from AG2, Agricultural/Residential, to RC, Moderate Density Residential. The requested classification is consistent with the development recommendations in the Delta Township Comprehensive Plan. Attached please find an aerial photo of the subject parcel overlaid with the proposed development concept.

On February 20, 2023, the Board referred the rezoning request to the Planning Commission for the purposes of holding a public hearing and making a recommendation to the Township Board. The Planning Commission held the public hearing on March 27, 2023, and recommended approval of the rezoning request by a vote of 6 to 0 (Weinfeld, Bradley, Proctor absent). At this meeting the companion PUD/SLUP was also recommended for approval by the same margin.

The rezoning request is now being placed on the Board's agenda for formal introduction. The PUD/SLUP request need not be formally introduced but will be offered for final consideration at same Board meeting as rezoning request.

The following motion is offered for the Board' consideration:

"I move that the Delta Township Board introduce the rezoning request described in Case No. 1-23-5 to rezone subject property from AG2, Agricultural/Residential, to RC, Moderate Density Residential. I further move that rezoning request be considered for final action by the Township Board at the next subsequent regular Board meeting. The Clerk is hereby directed to publish notice of said meeting in the local newspaper, as is required."

Please contact me if you have any questions.



client:
Broadbent Development, LLC
 29200 Northwestern Hwy.
 Suite 450
 Southfield, MI 48034

project:
AVENUE APARTMENTS at Delta
 A Planned Multi-family Residential Community

project location:
 Delta Charter Township, Michigan
 Saginaw Hwy and Broadbent Rd

sheet title:
DIMENSIONAL PLAN (AERIAL OVERLAY)

job no./issue/revision date:
 LS23.022.01 SPA 1-27-2022

drawn by:
JP, HP, DK
 checked by:
FP
 date:
1-23-2023

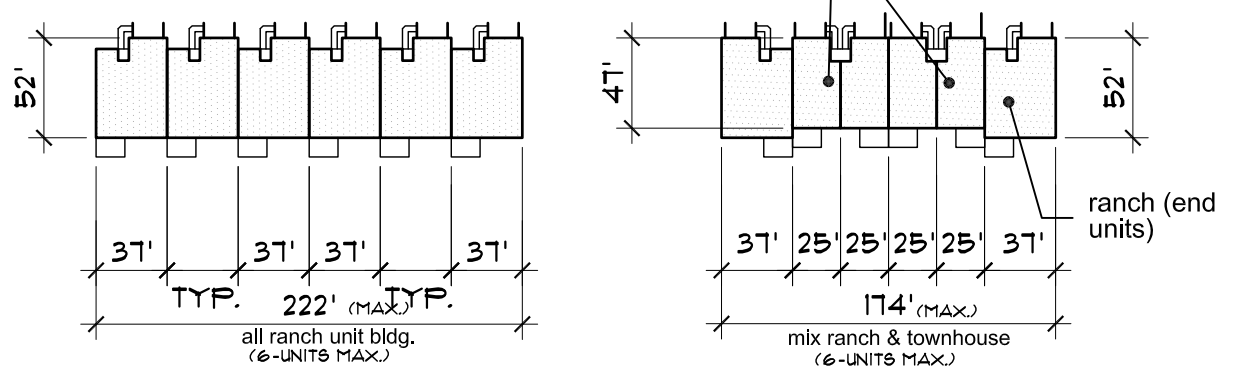
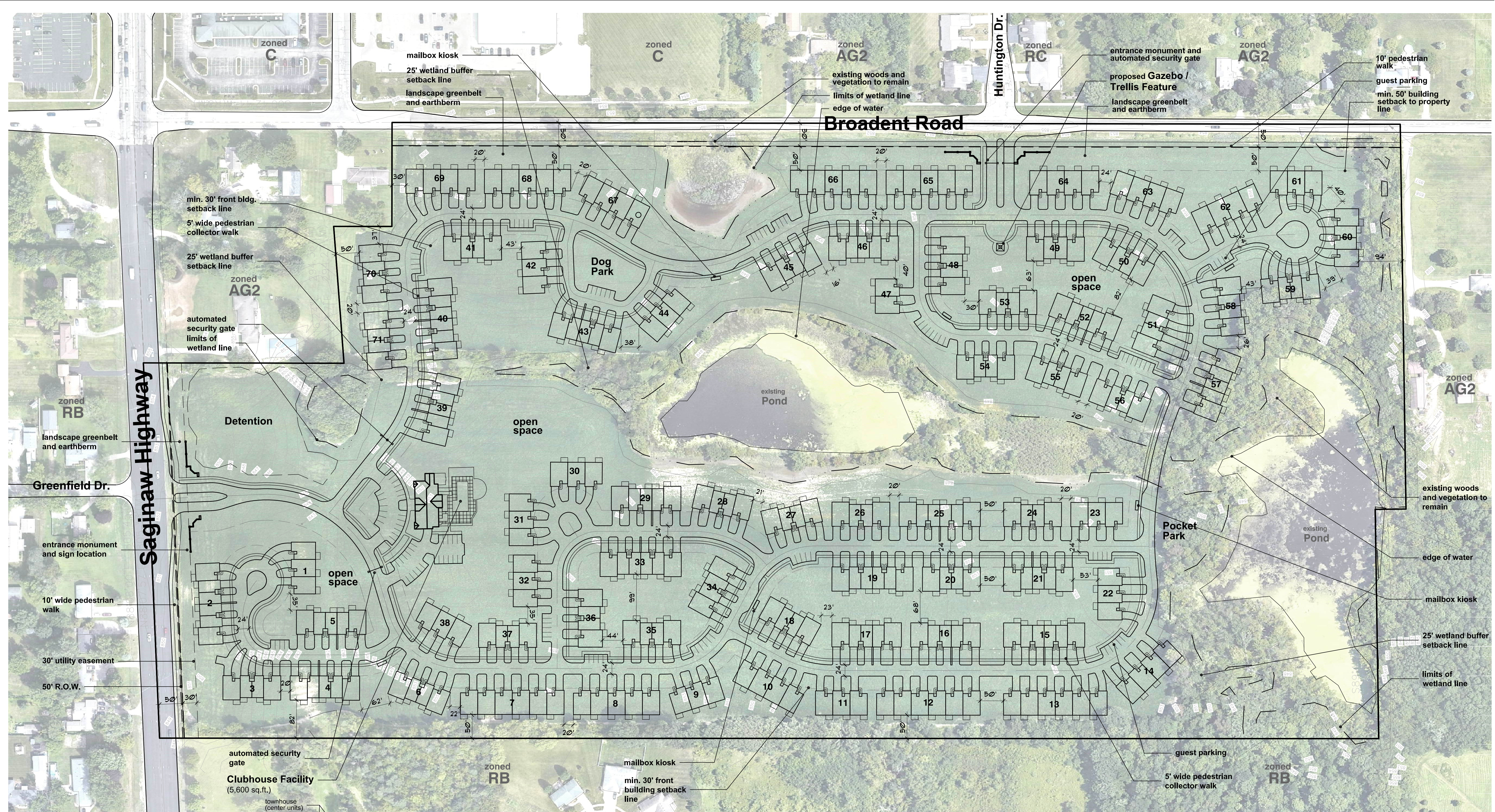
notice:
 Copyright © 2023
 This document and the subject matter contained therein is proprietary and is not to be used or reproduced without the written permission of Felino Pascual and Associates
 Do Not scale drawings. Use figured dimensions only



The location and elevations of existing underground utilities as shown on this drawing are only approximate, no guarantee is either expressed or implied as to the completeness of accuracy; contractor shall be exclusively responsible for determining the exact location and elevation prior to the start of construction

project no:
LS22.080.06

sheet no:
LP-4 of 6



typical building
 SCALE: 1" = 100'-0"

note
 preliminary concept plan for inspection purposes only and in no way official or approved for construction purpose

scale: 0' 80' 160' 320' 480'
 1" = 100'-0"

site data

EXISTING ZONING	AG2 (AGRICULTURE RESIDENTIAL)
PROPOSED ZONING	RC (MODERATE DENSITY RESIDENTIAL WITH PUD)
TOTAL ACRES OF SITE GROSS	75.26 ±
ACRES OF ROW	3.39 ±
ACRES OF WETLAND	12.89 ±
TOTAL ACRES OF SITE NET (BUILDABLE AREA)	58.98 ±
TOTAL NO. OF ATTACHED RESIDENTIAL UNITS	303
NO OF RANCH UNITS	192 (63%)
NO. OF TOWNHOUSE UNITS	111 (37%)
TOTAL NO. OF PARKING REQUIRED	604
(302-UNITS X 2-SPACES PER UNIT=604)	

TOTAL NO. OF PARKING PROVIDED	1312
NO. GARAGE PARKING	604
NO. GARAGE APPROACH	604
NO. GUEST PARKING	60
NO. CLUBHOUSE PARKING	44
BUILDING SETBACKS:	
BLDG. FRONT DRIVE	30'
BLDG. SIDE TO SIDE	20'
BLDG. SIDE TO REAR	30'
BLDG. CORNER TO CORNER	15'
BLDG. REAR TO REAR	50'
BLDG. REAR TO PROPERTY LINE	40'

TOTAL NO. ALLOWABLE UNITS	328
AT 30% OPEN SPACE = 5.51 UNITS PER ACRE	
(58.98 ACRES (NET) X 5.51 UNITS PER ACRE = 328 UNITS)	
DENSITY PER ACRE PROVIDED	5.12
(302-UNITS / 58.98 ACRES (NET) = 5.12 DU/AC)	
TOTAL ACRES OF PARK COMMONS PROVIDED	35.62 ±
ACRES OF REGULATED WETLAND AREAS	12.89 ±
ACRES OF PROPOSED DETENTION AREAS	1.96 ±
ACRES OF UPLAND OPEN SPACE AREAS	20.11 ± (35% SITE NET)



Engineering Department

(517) 323-8540

TO: Supervisor Kenneth R. Fletcher and the Delta Township Board

FROM Ernie West, Township Engineer

DATE: March 30, 2023

**SUBJECT: Ultium 3 Battery Plant
 Water and Sanitary Sewer Service
 Approval of Change Items**

Background

On November 14, 2022, the Township Board awarded a contract to Dunigan Brothers of Jackson, Michigan for construction of water and sanitary sewer system upgrades required to serve the Ultium 3 Battery Plant project. Contracts for Bid Package #1 and Bid Package #2 were awarded in the amounts of \$8,121,732.50 and \$2,756,000.00, respectively. Authorization was also given to the Township Manager to negotiate with Dunigan Brothers for work associated with Bid Package #3 due to a lack of bids having been received for this critical work. The Township subsequently amended Dunigan Brothers contract to add the critical portions of Bid Package #3 in the amount of \$1,785,350.00. Dunigan Brothers commenced construction in late December and are progressing with the project as planned.

Several items have arisen during construction that have resulted in the need to modify Dunigan Brothers contract, as well as the contract of our engineering consultant, OHM Advisors. Change Order No. 2 for Bid Package #1 and #2 and Engineering Contract Amendment #5 are being presented for your consideration. Both change orders and the engineering contract amendment have been reviewed by staff, and staff are in agreement that these change items should be incorporated into the project.

The following tables summarize the recommended change orders and amendment items. Copies of the change orders and amendment are attached to this memo.

Bid Package No. 1 Change Order No. 2 Summary		
Change Order Item:	Amount:	Description:
Additional Drainage Ditch and Driveway Restoration, Addition of Water Service Stub on Mt. Hope Hwy	\$ 25,000.00	Omission/Value Added. Required drainage ditch and driveway restoration not included in bidding documents. Water service stub added for adjacent resident who provided construction easement.
Revised Traffic Control at Millet/Canal Intersection	(\$ 14,069.50)	Changed condition. Road Commission modified traffic control requirements during permit issuance.
GM Natural Area Restoration along RE Olds Drive	\$ 30,972.38	Required by GM to restore natural area to match surrounding areas. Cost will be paid by Ultium.
Revision to Force Main Clean Out Detail	\$ 6,455.84	Design improvement identified by staff. Half of the cost will be paid by Ultium.
Change Order No 2 Total	\$ 48,358.72	



Bid Package No. 2 Change Order No. 2 Summary		
Change Order Item:	Amount:	Description:
Increase Ultium 3 Lift Station Ultimate Capacity	\$ 152,647.00	Capacity increase requested by Ultium for future build out of the site. Change not requested until construction had begun. Cost will be paid by Ultium.
Change Order No 2 Total	\$ 152,647.00	

Engineering Contract Amendment No. 5 Summary		
Change Item:	Amount:	Description:
Additional engineering to redesign Ultium 3 Lift Station to increase capacity per Ultium request.	\$ 48,788.00	Capacity increase requested by Ultium for future build out of the site. Change not requested until construction had begun. Cost will be paid by Ultium.
Amendment No 5 Total	\$ 48,788.00	

Funding

These proposed changes represent at total of \$249,793.72 of additional cost to these projects. Of this amount, \$235,635.30 is billable to Ultium and will be applied towards contingency funds that have already been collected from Ultium. The current balance of these contingency funds is \$670,157. Project accounting will be shared with Ultium, as per the utility agreement.

The remaining \$14,158.42 of these changes is eligible for the use of the \$33 million in state grant funds for the project. Staff will provide an update of funding as costs are finalized on the remaining projects left to be bid and awarded in the coming months.

Required Action

The following motions as offered for your consideration:

Action #1 – Acceptance of Change Orders from Dunigan Brothers

"I move that the Delta Township Board approve the proposed change orders with Dunigan Brothers for the Ultium 3 Battery Plant Water and Sanitary Sewer Service projects, increasing the contract prices for Bid Package #1 by \$48,358.72 and for Bid Package #2 by \$152,647.00;; I further move that the Township Manager be authorized and directed to execute the change orders on behalf of the Township."

Action #2 – Acceptance of Engineering Contract Amendment from OHM Advisors

"I move that the Delta Township Board accept the proposed contract Amendment No. 5 with OHM for the Ultium 3 Battery Plant Water and Sanitary Sewer Service project, for the purpose of providing additional engineering services to increase the design capacity of the Ultium 3 Lift Station in the amount of \$48,788; I further move that the Township Manager be authorized and directed to execute an agreement for said services on behalf of Delta Township."

Staff will attend the April 3, 2023 Township Board Meeting to answer any questions or address any concerns of the Board. If there any questions in the interim, please let us know. Thank you.

CONTRACTOR: Dunigan Bros., Inc.
 911 East South Street
 Jackson, MI 49203
 Attn: Patrick Dunigan II
 OWNER: Delta Township, Michigan

C.O. Number: 2
 Date: 17-Mar-23
 Project: Ultium 3 Battery Plant
 BP 1 - Water And Sanitary Sewer Improvements
 Contract: 200-214200-22002

TO THE CONTRACTOR NAMED ABOVE:

Under the terms of this Agreement, and upon acceptance of the CONTRACTOR and approval of OWNER, ENGINEER recommends the following changes to the Agreement:

<u>Item No.</u>	<u>Description</u>	<u>Add/Deduct</u>	<u>Quantity</u>	<u>Unit Price</u>	<u>Amount</u>
RFP 02	Mt Hope Easement work	ADD	1	\$ 25,000.00	\$ 25,000.00
RFP 03	Schedule E Traffic Control Revisions	DEDUCT	1	\$ (14,069.50)	\$ (14,069.50)
WCD 04	Prairie Seed Mix	ADD	1	\$ 30,972.38	\$ 30,972.38
WCD 05	Cleanout Castings	ADD	1	\$ 6,455.84	\$ 6,455.84
					\$ -
	Total This Change Order				\$ 48,358.72

REASON FOR CHANGE:

- RFP 02 Right of way work to be completed at 7900 W Mt Hope Hwy which includes removal and replacement of existing drain tile, grading of proposed drainage ditch and the installation of a future domestic water service.
- RFP 03 The Eaton County Road Commission has requested some changes related to the permit review including traffic control measures and detour routes.
- WCD 04 GM-LDT requested that a native seed mix be used along REO Old's Dr instead of the MDOT seed mix that was bid.
- WCD 05 New castings to better fit the RCP structure detail so the casting is secured and will not move.

Current Contract Price	\$ 8,121,732.50
This Change Order Add	\$ 48,358.72
Change Order 01	\$ 16,893.60
Revised Contract Price	\$ 8,186,984.82
Current Substantial Completion Date	SCH B,C & E: 6/15/23 and SCH A & D: 10/15/23
Revised Substantial Completion Date	N/A
Current Final Completion Date	1-Nov-23
Revised Final Completion Date	N/A
Contract Time Extension	None

The above is agreed to as full and complete compensation for the Work listed in the Change Order.

RECOMMENDED BY: Tetra Tech



DATE

3-20-2023

ACCEPTED BY:

Dunigan Bros., Inc.



DATE

3/20/23

APPROVED BY:

Delta Township, Michigan

DATE



TETRA TECH

TETRA TECH
CONSULTING ENGINEERS
EAST LANSING, MICHIGAN

TO: Dunigan Bros., Inc.
911 East South Street
Jackson, MI 49203
ATTN: Patrick Dunigan II

DATE: 2/6/2023
PROJECT: Ultium 3 Battery Plant BP-1

Proposal Request 02

INTENT: This is not a change order. This is a request to the Contractor for a detailed price breakdown of proposed changes in the work. Contract unit prices are intended to be used for changes in pay item quantities. Any changes to cost other than those due to quantity changes must be clearly stated.

PROPOSED CHANGES:

Right of way work to be completed at 7900 W Mt Hope Hwy which includes removal and replacement of existing drain tile, grading of proposed drainage ditch and the installation of a future domestic water service.

Sheet No.:
C-102

Eligibility/Account Key:

Item No:	Description	Quantity	Unit Price	Amount	Eligibility
	7900 Mt Hope ROW Work - To include removal of approx. 170 LF of 12" existing storm sewer culvert which includes gravel driveway removal. Installation of approx. 38 LF of 12" CMP and restore driveway with like material. Grade new ditch as needed to meet plan grades. Excavation, removal of spoils, back fill and site restoration shall be included.	1	LSUM		
	Domestic Water Service - To include 1" tap with 1" corp, approx. 7 LF of 1" type "K" copper to ROW and 1" Curb stop and box. Excavation, removal of spoils, back fill and site restoration shall be included.	1	LSUM		
Total:				\$0.00	

REASON FOR CHANGE:

Additional work needed in the ROW for 24" water main installation

Will the work covered by this Proposal Request require an extension of the contract completion date? NO
How many additional calendar days? _____

It is required that the spaces provided for the change in Contract amount, signature and date is filled in and one copy returned to this office. A quotation, showing the Proposal Request number and detailed cost setting forth the breakdown of labor, material and markup, is to be attached to each copy of the Proposal Request, showing the addition, credit or no charge for this item.

TETRA TECH

BY: Andy Heise

Proposed Change in Contract Amount:

Twenty Five Thousand Dollars \$ 25,000

BY: [Signature]

DATE: 3/1/23



34000 Plymouth Road, Livonia, MI 48150
Telephone: 734.522.6711
Fax: 734.522.6427

Request for Proposal #03

DISTRIBUTION

Owner - 1
Contractor - 1
Construction - 1

TO: Dunigan Bros., Inc.

911 E. South St..
Jackson, MI 49203

DATE: February 22, 2023

PROJECT: Delta Township
Bid Package 1
Schedule E, Forcemain
OHM #4064-22-0020

Attn: Patrick Dunigan

INTENT: This is not a change order. This is a request for the Contractor to review the attached revised plans, specifications, and to provide pricing to new items listed below. Once returned, this will be reviewed by the engineer and owner and a contract change order will be generated. This is not a notice to proceed.

REASON FOR CHANGE:

The Eaton County Road Commission has requested some changes related to the permit review including traffic control measures and detour routes.

PROPOSED CHANGES TO PLANS:

The following drawings have been revised as described below. See attached Plans.

1. Revised Sheet C-116.
 - 1.1. Supplemental notes have been added to backfill the bore pits in the roadway with class II sand per trench detail.
 - 1.2. Supplemental notes have been added to provide Flowable Fill in areas where at least plate compactor can't be used.
2. Revised Sheet C-119.
 - 2.1. Supplemental notes have been added to backfill the bore pits in the roadway with class II sand per trench detail.
 - 2.2. Supplemental notes have been added to provide Flowable Fill in areas where at least plate compactor can't be used.
3. Revised Sheet C-120.
 - 3.1. Supplemental notes have been added to backfill the bore pits in the roadway with class II sand per trench detail.
 - 3.2. Supplemental notes have been added to provide Flowable Fill in areas where at least plate compactor can't be used.

4. Traffic Control Revisions, replace previous sheets with sheets C-202 through C-214 with C-202 through C-216.
 - 4.1. General Changes impacting traffic control plans.
 - 4.1.1. 'WB' added to the MILLET traffic control signs.
 - 4.1.2. Revised Guinea Road labels to R E OLDS Drive.
 - 4.1.3. Temporary pavement markings have been removed and additional barrels or grabber cones will be used. Sheets(C-208, 209, 210)
 - 4.2. Sheet C-202: The stage 2 detour has been revised with changeable message board signs directing GM traffic to use Davis Highway at three locations (Millet east of Canal, Canal north of Millet, and Canal south of Davis Highway).
 - 4.3. Sheet C-203: The stage 3A detour has been revised to Millet to Creyts to Lansing Road. This detour will be used as directed by the engineer and Delta Township if additional work area is needed within the intersection during the jack and bore or the manhole #3 rehab work. Work will need to be coordinated with ECRC and Lansing Board of Water and Light 72 hours in advance.
 - 4.4. New Plan Sheet C-214 and C-215, Stage 3C: Showing interim staging for the jack and bore work to the manhole in the intersection which is planned to be completed while maintaining one lane SB on Canal. Stage 3A detour will remain in the plan set as a contingency in the event the work area needs to be expanded.
 - 4.5. New Plan Sheet C-216, Stage 3D: Closure of WB Millet left turn and thru lane to perform daily rehab work to manhole #2.

PROPOSED CHANGES TO SPECIFICATIONS (Attached):

5. Non-Structural Flowable Fill. (Item Only be used when approved by the Engineer and Owner)

PROPOSED CHANGES TO ITEMS, QUANTITIES AND CONTRACT AMOUNT:

Contractor to provide highlighted information and sign below.

ITEM	DESCRIPTION	Current Contract				Bulletin #1	
		QTY	UNIT	UNIT PRICE	AMOUNT	QTY	Total
<u>Contract Item Changes</u>							
27	Pavt Mrkg, Wet Reflective, Type NR, Paint, 6 inch, White, Temp	7,370	Ft	\$2.40	\$17,688.00	-7,370	-\$17,688.00
28	Pavt Mrkg, Wet Reflective, Type NR, Paint, 6 inch, Yellow, Temp	2,365	Ft	\$2.40	\$5,676.00	-2,365	-\$5,676.00
32	Barricade, Type III, High Intensity, Double Sided	15	Ea	\$106.10	\$1,591.50	5	\$530.50
35	Plastic Drum, High Intensity	172	Ea	\$24.80	\$4,265.60	30	\$744.00
36	Sign, Portable, Changeable Message	3	Ea	\$2,885.00	\$8,655.00	2	\$5,770.00
	Sub Total						-\$16,319.50
<u>New Items</u>							
57	Non-Structural Flowable Fill	-	Cyd	225.00	\$ -	10	\$2,250.00
Total Contract Change (Sub Total + New items)							<u>-14,069.50</u>

OHM Advisors

BY _____

BY 

Dunigan Brothers, Inc.

DATE 2/28/23



TETRA TECH
CONSULTING ENGINEERS
EAST LANSING, MICHIGAN
WORK CHANGE DIRECTIVE

TO: Dunigan Bros., Inc.

911 East South Street

Jackson, MI 49203

Attn: Patrick Dunigan II

PROJECT: Delta Township, Michigan

Ultium 3 Battery Plant

Bid Package 1

WCD NO.: 4

DATE: 3/17/2023

INTENT: To prevent a possible delay in the work, you are directed to proceed with the following changes. Before proceeding, this directive must be approved by Delta Township.

Description of Work

Replace MDOT seed mix from bid with a native Prairie seed mix. Apply at double the application rate.

Item No:	Description	Quantity	Unit	Unit Price	Amount
*B117	Sch B - Prairie Seed Mix Restoration	1	LS	\$ 15,486.19	\$ 15,486.19
*C108	Sch C - Prairie Seed Mix Restoration	1	LS	\$ 15,486.19	\$ 15,486.19
Total:					<u>\$30,972.38</u>

*** Denotes new item to the Contract**

REASON FOR CHANGE:

GM-LDT requested that a native seed mix be used along REO Old's Dr instead of the MDOT seed mix that was bid.

Will the work covered by this Work Change Directive require an extension of the contract completion date? __No__
How many additional calendar days? __0__ to substantial completion date __

The Contract will be adjusted by a future change order based on:

- Actual quantities as measured in field
- Lump Sum

TETRA TECH

Andy Heise 3/17/2023
BY: _____

Dunigan Bros., Inc.

Patrick Dunigan II
BY: _____
Delta Township, Michigan

BY: _____



TETRA TECH
CONSULTING ENGINEERS
EAST LANSING, MICHIGAN

TO: Dunigan Bros., Inc.
911 East South Street
Jackson, MI 49203
ATTN: Patrick Dunigan II

DATE: 3/2/2023
PROJECT: Ultium 3 Battery Plant BP-1

Proposal Request 04

INTENT: This is not a change order. This is a request to the Contractor for a detailed price breakdown of proposed changes in the work. Contract unit prices are intended to be used for changes in pay item quantities. Any changes to cost other than those due to quantity changes must be clearly stated.

PROPOSED CHANGES:

Replace MDOT seed mix from bid with a native Prairie seed mix. Apply at double the application rate.

Sheet No.:

Eligibility/Account Key:

Item No:	Description	Quantity	Unit Price	Amount	Eligibility
	Prairie Seed Mix #	1134	\$27.50	\$31,185.00	
	MDOT Seed Mix #	1134	\$ (3.75)	-\$4,252.50	
			Sub Total:	\$26,932.50	
	15% Contractor Mark Up			\$4,039.88	
			Total:	\$30,972.38	

REASON FOR CHANGE:

GM-LDT requested that a native seed mix be used along REO Old's Dr instead of the MDOT seed mix that was bid.

Will the work covered by this Proposal Request require an extension of the contract completion date? NO
How many additional calendar days?

It is required that the spaces provided for the change in Contract amount, signature and date is filled in and one copy returned to this office. A quotation, showing the Proposal Request number and detailed cost setting forth the breakdown of labor, material and markup, is to be attached to each copy of the Proposal Request, showing the addition, credit or no charge for this item.

TETRA TECH

BY: Andy Heise

Proposed Change in Contract Amount:

_____ Dollars \$30,972.38

BY: _____

DATE: _____



TETRA TECH
CONSULTING ENGINEERS
EAST LANSING, MICHIGAN
WORK CHANGE DIRECTIVE

TO: Dunigan Bros., Inc.

911 East South Street

Jackson, MI 49203

Attn: Patrick Dunigan II

PROJECT: Delta Township, Michigan

Ultium 3 Battery Plant

Bid Package 1

WCD NO.: 5

DATE: 3/10/2023

INTENT: To prevent a possible delay in the work, you are directed to proceed with the following changes. Before proceeding, this directive must be approved by Delta Township.

Description of Work

New cleanout castings with solid covers.

Item No:	Description	Quantity	Unit	Unit Price	Amount
*C107	Cleanout Castings w/ Solid Cover	9	EA	\$ 403.49	\$ 3,631.41
*E103	Cleanout Castings w/ Solid Cover	7	EA	\$ 403.49	\$ 2,824.43
Total:					<u>\$6,455.84</u>

*** Denotes new item to the Contract**

REASON FOR CHANGE:

New castings to better fit the RCP structure detail so the casting is secured and will not move.

Will the work covered by this Work Change Directive require an extension of the contract completion date? No
How many additional calendar days? 0 to substantial completion date

The Contract will be adjusted by a future change order based on:

- Actual quantities as measured in field
 Lump Sum

TETRA TECH

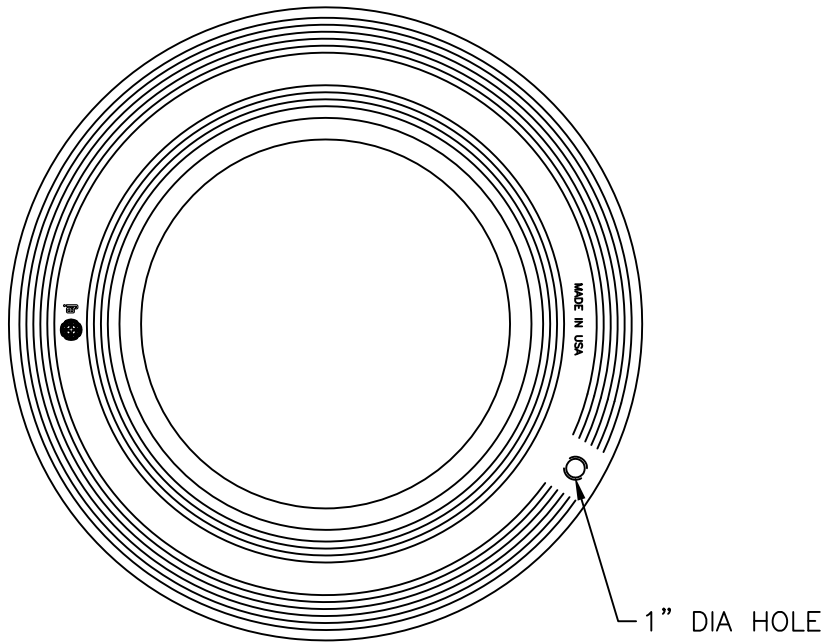
Andy Heise 3/10/2023
BY: _____

Dunigan Bros., Inc.

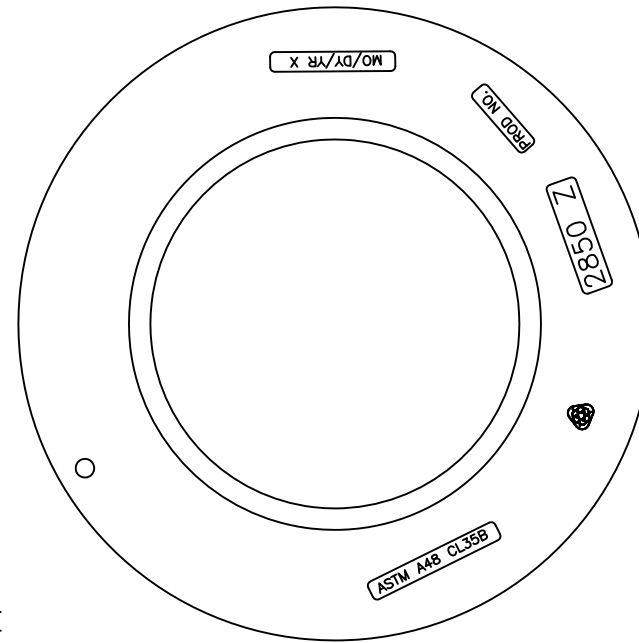
Patrick Dunigan II 3/13/23
BY: _____
Delta Township, Michigan

BY: _____

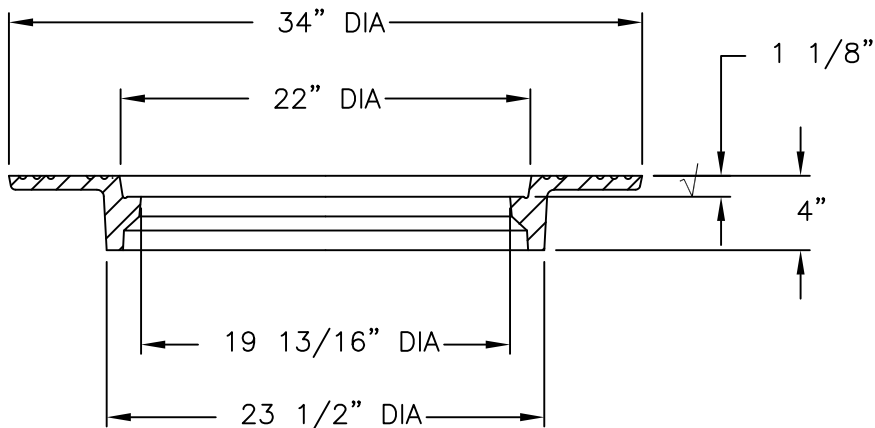
2850Z Frame



PLAN VIEW



BOTTOM VIEW



FRAME SECTION

Product Number

00285010

Design Features

- Materials
Gray Iron (CL35B)
- Design Load
Heavy Duty
- Open Area
n/a
- Coating
Dipped
- √ Designates Machined Surface

Certification

- ASTM A48
-
-
- Country of Origin: USA

Drawing Revision

03/04/2004 Designer: SBB
08/30/2016 Revised By: DVD

Disclaimer

Weights (lbs./kg) dimensions (inches/mm) and drawings provided for your guidance. We reserve the right to modify specifications without prior notice.

CONFIDENTIAL: This drawing is the property of EJ GROUP, Inc., and embodies confidential information, registered marks, patents, trade secret information, and/or know how that is the property of EJ GROUP, Inc. Copyright © 2012 EJ GROUP, Inc. All rights reserved.

Contact

800 626 4653
ejco.com

2850 Frame and Cover

Heavy Duty

Machined bearing surfaces

All covers and grates illustrated with 1060 series can be furnished with this unit

Specify type cover or grate

See table for total assembled weights

Options:

Solid or Vented Covers

Watertite Assembly

Gasket Seal Covers

7" ht. - 02 & 9" ht. -

03 Beehive Grates

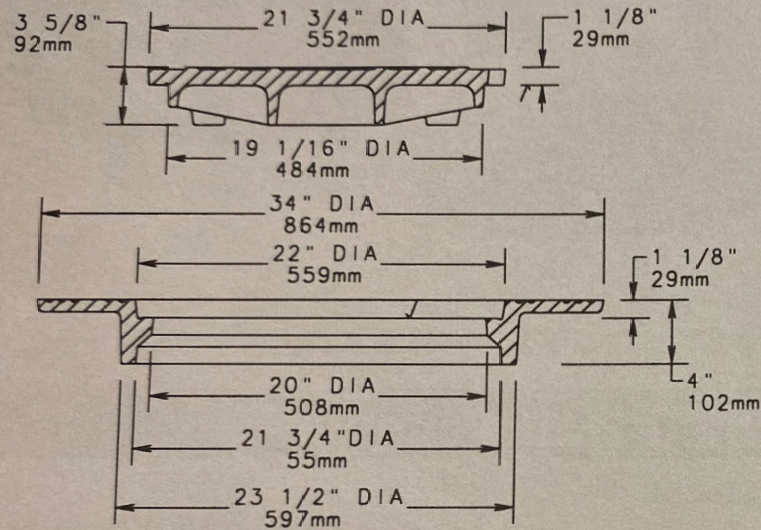
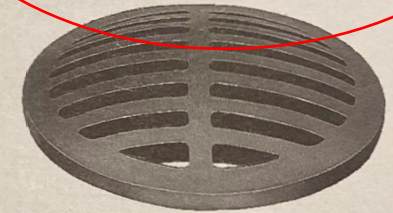


Table of Assembled Weights

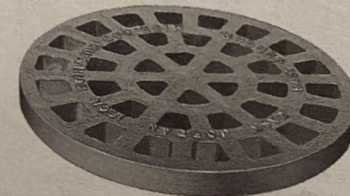
COVER TYPE	GRATE TYPE				
	A Solid	M Flat	M Radial	N Oval	01 Beehive
	295 lbs (134kg)	260 lbs (118kg)	275 lbs (125kg)	240 lbs (109kg)	240 lbs (109kg)



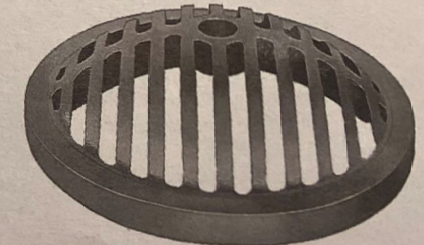
TYPE N Oval Grate
Height above frame 2 1/2"
Approx. 135 sq. in. of opening



TYPE M1 Flat Grate
Medium Duty
Approx. 115 sq. in. of opening



TYPE M2 Radial Grate
Heavy Duty
Approx. 145 sq. in. of opening



TYPE 01 Beehive Grate
Height above frame 4"
Approx. 135 sq. in. of opening



34000 Plymouth Road, Livonia, MI 48150
Telephone: 734.522.6711
Fax: 734.522.6427

CHANGE ORDER

Distribution:

Owner - 1

Contractor – 1

OHM - 1

Owner: Delta Township

Project: Ultium 3 Battery Plant
Bid Package 2
Ultium 3 Lift Station

Contractor: Dunigan Bros, Inc.
911 E. South St,
Jackson, MI. 49203

OHM Project #: 4064-22-0022

Change Order No.: 02

Date: March 28, 2023

To the Contractor named above:

Under the above contract and upon approval of the Owner, we hereby recommend the following changes to the Contract:

No.	Description	Amount
2.01	BP2 Proposal Request 01 Pumps and Piping This proposal request modified the pumps and piping associated with the Ultium 3 Lift Station due to changes in average day and peak flow as estimated by GM/Ultium. The following items are revised in this proposal request: <ul style="list-style-type: none">The station will be a triplex submersible pump station with two pumps installed now and plumbed for the installation of the third pump in the future.The base elbow, guiderails and piping and valves through the Valve Vault shall be provided for all three pumps.The third pump shall be furnished and turned over to the Owner as a spare.	Add \$68,890.00

2.02 BP2 Proposal Request 02 Precast Structures

Add \$118,175.00

This proposal request modified the precast concrete structures to accommodate the revisions to the pumps and piping associated with changes in average day and peak flow as estimated by GM/Ultium. The following items are revised in this proposal request:

- A 10-foot interior diameter precast wetwell with three wall penetrations for the discharge piping and a 36” by 96” three leaf access hatch.
- The valve vault interior dimensions revised to 12-foot by 9-foot to accommodate the piping for three pumps.
- Valve vault access hatch and sump locations revised to accommodate the piping.
- Valve vault base slab dimensions revised due to buoyancy calculations.
- This Proposal Request shall include costs for the furnishing and installation of the revised wetwell and vault structures including, but not limited to, the structures, and any impacts on the excavation support and protection and dewatering efforts.

2.03 BP2 Proposal Request 03 Electrical Revisions

Deduct (\$34,418.00)

This proposal request modified the electrical service to accommodate the revisions to the pumps and piping associated with changes in average day and peak flow as estimated by GM/Ultium. The following items are revised in this proposal request:

- The station will be a triplex submersible pump station with two pumps installed now and plumbed for the installation of the third pump in the future. Electrical updates for the third pump will be provided under this Contract.
- The electrical service to the lift station is increased to 200 amps from the original 100 amp service. Conduit and wires are revised to accommodate this increase in power.
- The generator size has changed from 90 KW to 100 KW. Generator supplier verified that the 100 KW generator already submitted is sized adequately based on the revised pump submittals.
- The Lansing Board of Water and Light (LBWL) will provide the transformer pad and incoming conduit and wire to the transformer. The Contractor shall provide the conduit and wire from the transformer to the meter. LBWL will make all terminations at the transformer.

Due to manufacturing delays with the permanent natural gas generator, 108 days are being added to the Final Completion Date. The Contractor will assist the Owner with relocating and wiring an Owner-supplied spare generator to the Ultium Site to provide backup power until the time the permanent generator is installed and commissioned.

Reason for Changes:

Current and future flow rates as provided by GM and Ultium 3 Cells manufacturing facility have been modified. After the bidding of BP 2 Ultium 3 Lift Station and the contractor commenced with submitting shop drawings for review and approval, Delta was notified by the GM team that the sanitary flow anticipated from Ultium 3 facilities had increased. Prior to April 14, 2022, GM provided an average day flow of 372 gpm (535,000 gpd) and a peak flow rate of 435 gpm (626,000 gpd) for the battery cell manufacturing facility that will need to be pumped to the existing GM PS. More recently, Ultium 3 provided a scenario where Ultium 3 produced an average day flow of 472 gpm (680,000 gpd), a peak flow rate of 680 gpm, and a maximum day volume of 748,000 gpd.

The lift station has been revised to a triplex station with two pumps installed initially and a third available for future installation. These modifications provide flexibility for future operations.

THIS CHANGE ORDER #2 TOTAL	Add	\$152,647.00
-----------------------------------	------------	---------------------

There will be changes to the Contract Amount with this Change Order:

Original Contract Amount	\$2,756,000.00
Total Previous Change Orders (01)	\$1,785,350.00
Contract Amount to Date	\$4,541,350.00
This Change Order No. 02 (ADD)	\$152,647.00
Revised Contract Amount	\$4,693,997.00

Substantial and Final Completion Dates for the work associated with Ultium 3 Lift Station identified within this Change Order No. 2 will have the following contract completion dates.

Original BP2 Ultium 3 Lift Station Substantial Completion Date	June 1, 2023
Additional Contract Time Previous Change Orders	0 days
Current Substantial Completion Date	June 1, 2023
Additional contract time for this Change Order No. 2	91 days
BP2 Ultium 3 Lift Station Substantial Completion Date:	August 31, 2023

BP2 Ultium 3 Lift Station Final Completion Date:	July 15, 2023
Additional Contract Time Previous Change Orders, days	0 days
Current Final Completion Date	July 15, 2023
Additional contract time for this Change Order No. 2, days	108 days
BP2 Ultium 3 Lift Station Final Completion Date	October 31, 2023

There will be changes no changes to the Contract Times associated with the work for BP3 GM Pump Station Improvements Ultium 3 Lift Station as part of this Change Order No. 2.

BP3 GM Pump Station Improvements Substantial Completion Date	December 31, 2023
BP3 GM Pump Station Improvements Final Completion Date	December 31, 2023

This Change Order constitutes full mutual accord and satisfaction for all costs related to these changes. By acceptance of this Change Order, the Contractor hereby agrees that this change represents an equitable adjustment for these changes and further agrees to waive any further claims for these changes unless it can be shown that the work was further impacted by circumstances that were not known or could not have been anticipated at the time of the execution of this Change Order.


RECOMMENDED BY: OHM Advisors



Jennifer Drinan, P.E., Project Manager

DATE 3/28/2023

ACCEPTED BY: Dunigan Bros., Inc.



Patrick Dunigan

DATE 3/28/23

APPROVED BY: Delta Township

Brian Reed, Township Manager

DATE _____



34000 Plymouth Road, Livonia, MI 48150
Telephone: 734.522.6711
Fax: 734.522.6427

PROPOSAL REQUEST 01

DISTRIBUTION

Owner - 1
Contractor - 1
Construction - 1

TO: Dunigan Bros., Inc.

DATE: January 30, 2023

911 E. South St.
Jackson, MI 49203

PROJECT: Delta Township
Bid Package 2
Ultium 3 Lift Station
4064-22-0020

Attn: Patrick Dunigan

INTENT: This is not a change order. This is a request to the Contractor for a lump sum price for to modify the pumps and piping associated with project. The Ultium Lift Station is being revised due to changes in peak flow as estimated by GM/Ultium. The following items are to be included as part of this Proposal Request:

- The station will be a triplex submersible pump station with two pumps installed now and plumbed for the installation of the third pump in the future.
- The base elbow, guiderails and piping and valves through the Valve Vault shall be provided for all three pumps.
- The third pump shall be furnished and turned over to the Owner as a spare.

PROPOSED CHANGES:

The Project Manual has been revised as described below. Additions within the technical specification have been bolded for reference and deletions are identified by text that is strikethrough.

1. Specification Section 01 10 00 – “Summary”. Remove and replace this section as issued as part of this Proposal Request.
2. Specification Section 43 25 13.00 – “Submersible Centrifugal Pumps”. Remove and replace this section as issued as part of this Proposal Request.

The following drawings have been revised as described below. Revisions clouds are NOT used on the drawings.

3. Revised Sheet C-102.
 - 3.1. Site Plan is revised for the 10-foot interior diameter (ID) of the wet well and the 12-foot by 9-foot interior dimensions of the valve vault.
 - 3.2. Pipe Tag 3 includes three pipes from the wet well to the valve vault.
 - 3.3. Drain line from the valve vault to the wet well is shown south of the valve vault.
 - 3.4. Gas meter and regulator stand shown 3'- wide and located north of generator.

4. Revised Sheet C-103.
 - 4.1. Sewer profile is revised for the 10-foot interior diameter (ID) of the wet well and the 12-foot by 9-foot interior dimensions of the valve vault.

5. Revised Sheet D-101.
 - 5.1. Updated pump schedule to show three pumps.
 - 5.1.1. Two pumps to be completely installed.
 - 5.1.2. The third pump shall have the base elbow, discharge piping and guiderails installed.
 - 5.1.3. Provide temporary plug at base elbow.
 - 5.1.4. The third pump shall be delivered to the Owner's WRRF for storage and future installation by Owner.
 - 5.1.5. Schedule revised for duty points and operating points.
 - 5.2. Updated Valve Schedule to show addition of check valve CS-3 and plug valve PV-3.

6. Revised Sheets D-102 and D-103.
 - 6.1. Plan and Section views are revised for the 10-foot ID of the wet well and the 12-foot by 9-foot interior dimensions of the valve vault.
 - 6.2. Wetwell top slab revised for 36" by 96" three-door access hatch to accommodate the three submersible pumps.
 - 6.3. Wetwell configured for three pumps.
 - 6.3.1. Base elbow, discharge piping and guiderails shall be installed for three pumps.
 - 6.3.2. Provide temporary plug in the base elbow of pump PU-2.
 - 6.3.3. Two submersible pumps shall be installed.
 - 6.3.4. The third pump shall be turned over to the Owner as a spare for future installation.
 - 6.4. Valve vault reconfigured for triplex station.
 - 6.4.1. Revised discharge piping for triplex pump station complete with check and plug valves.
 - 6.4.2. Revised sump and access hatch locations.
 - 6.4.3. Drain piping from the sump re-routed to wetwell and includes cleanouts.
 - 6.4.4. Updated the Wet Well Information Table on D-103.

REASON FOR CHANGE:

Current and future flow rates as provided by GM and Ultium 3 Cells manufacturing facility have been modified. The lift station has been revised to a triplex station with two pumps installed initially and a third available for future installation. These modifications provide flexibility for future operations.

Will the work covered by this Proposal Request be completed within the original contract time: Substantial Completion by June 1, 2023, and Final Completion by July 15, 2023? If additional time is required, how many calendar days added for Substantial Completion 45 ?

It is required that the spaces provided for the change in Contract amount, signature and date be filled in and returned to this office.

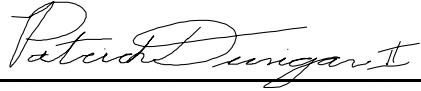
OHM Advisors



BY _____

1. Total Bid for Lump Sum Bid Price:

Sixty Eight Thousand Eight Hundred Ninety Dollars and Twenty Five Cents _____ Dollars
(\$ 68,890.25).

BY 

Dunigan Brothers, Inc.

DATE 2/17/23

PR 01 Pumps, Valves, Hatches, Piping

	Original	Plus Tax	New	Plus Tax	Change
DuBois Cooper	\$85,600.00	\$90,736.00	\$105,260.00	\$111,575.60	\$20,839.60
Kennedy Industries	\$40,375.00	\$42,797.50	\$ 48,595.00	\$ 51,510.70	\$ 8,713.20
M&E	\$16,558.55	\$17,552.06	\$ 28,479.95	\$ 30,188.75	\$12,636.68
Kennedy Chain and Bracket Deduct			\$ (1,100.00)		\$ (1,100.00)
M&E Check Valve Deduction			\$ (695.00)		\$ (695.00)
Labor/Equipment		2 days	\$ 8,629.46		\$17,258.92
Total					\$57,653.40
OH on Labor and Equipment					\$ 2,588.84
15% profit					\$ 8,648.01
Total Change Costs					\$68,890.25

November 2, 2022

TO: BIDDING CONTRACTORS

**Project: Delta Township
Ultium 3 Battery Plant – Bid Package 2
Ultium 3 Lift Station Improvements**

Spec 43 25 13 – Submersible Centrifugal Sewage Pumps

Hidrostal Pump Equipment

We are pleased to offer the Hidrostal submersible pump equipment for the Ultium 3 Lift Station project in Delta Township under Specification Section 43 25 13 – Submersible Centrifugal Sewage Pumps. The Hidrostal pump equipment is being proposed in accordance with the original Bidding Documents and Addendum No.s 1 and 2. Please note that this Hidrostal pump equipment is a named manufacturer for the submersible centrifugal sewage pump equipment.

This Hidrostal pump equipment is shown on Drawings D-102, D-103, E-004 and E-005.

Each Hidrostal pump / motor shall be sized for the 500 gallon per minute (gpm) at 65-foot total dynamic head (TDH) design condition.

We propose the following equipment:

1. Three (3) Hidrostal Submersible Sewage Pumps, Model E4K-S with discharge guide shoe and 14.8 HP immersible motor (3/60/480) per specification sub-section 2.1.A – H. Each pump shall have 100-foot power and control cables and 50-foot stainless steel lifting chain.
2. Two (2) stainless steel upper guiderail brackets.
3. Two (2) stainless steel intermediate guiderail brackets.
4. Two (2) 4" base elbows.
5. One (1) stainless steel level sensor cable holder per specification sub-section 2.1.L.2.

6. Two (2) pump protection moisture relays. Shipped loose to be installed in Control Panel provided by Owner.
7. Two (2) pump protection high temperature relays. Shipped loose to be installed in Control Panel provided by Owner.

Pump Performance per specification sub-section 2.2.A.1.

See attached General Arrangement drawings of the Hidrostal pump equipment with dimensions.

Five (5) year warranty per specification sub-section 1.10.B.

Submittals per Specification Section 43 25 13, sub-section 1.6 and Specification Section 01 33 00.

Operation & Maintenance Manuals per Specification Section 01 78 23.

Manufacturer Start-up Services per specification sub-section 3.3.B, C and H.

Demonstration and Training Services under specification sub-section 3.4.

Freight to project site.

NOT included:

- Installation.
- Anchor bolts.
- Piping and fittings in wet well.
- Valves.
- Pump 1-1/2" guiderails.
- Pressure gauges.
- Wet well and Valve Vault access hatches.
- Pump Control Panel (by Owner)
- Submersible transducers (by Owner)
- Float switches (by others)
- Noise or vibration testing.
- Taxes.

Patrick Dunigan II

From: Joe Moore <Jmoore@duboiscooper.com>
Sent: Wednesday, November 2, 2022 1:04 PM
To: Patrick Dunigan II
Subject: Delta Twp Ultium 3 Lift Station Project - Hidrostal Submersible Pump Equipment Price
Attachments: Delta Twp Ultium 3 Lift Station - Hidrostal Submersible Sewage Pumps Equipment Proposal 11-2-2022.pdf

Patrick,

The price is \$85,600 for the Hidrostal pump equipment described in the attached Hidrostal Pump Proposal. This price does not include taxes.

Good luck on your bid.

Joseph Moore, P.E.

DuBois-Cooper Associates | 905 Penniman Ave. | Plymouth, MI 48170
t: 734-455-6700, ext 3 | f: 734-455-6711 | c: 313-920-7064 | e: jmoore@duboiscooper.com



www.duboiscooper.com

From: Joe Moore
Sent: Wednesday, November 2, 2022 10:47 AM
To: Patrick Dunigan II (Patrick@duniganbros.com) <patrick@duniganbros.com>
Cc: Sales <Sales@duboiscooper.com>
Subject: Delta Twp Ultium 3 Lift Station Project - Hidrostal and Homa Submersible Pump Equipment Proposal

Patrick,

We are offering the following pump equipment on the Delta Twp Ultium 3 Battery Plant – Bid Package 2 / Ultium 3 Lift Station project based on Addendum No.s 1 and 2:

1. Hidrostal submersible pump equipment – Specification Section 43 25 13 – Submersible Centrifugal Sewage Pumps
2. Homa submersible grinder (sample) pump equipment – Submersible Grinder Pumps

Attached are equipment proposals for the Hidrostal and Homa pump equipment. Both pump manufacturers are listed manufacturers in the respective specification sections.

I will provide pricing on the Hidrostal pump equipment prior to bid.

Call me with any questions.

Joseph Moore, P.E.

DuBois-Cooper Associates | 905 Penniman Ave. | Plymouth, MI 48170
t: 734-455-6700, ext 3 | f: 734-455-6711 | c: 313-920-7064 | e: jmoore@duboiscooper.com

January 25, 2023

Revised for PR01

Mr. Patrick Dunigan, II
Dunigan Bros., Inc.
911 E South Street
Jackson, MI 49203

**Re: Delta Township
Ultium 3 Battery Plant – Bid Package 2
Ultium 3 Lift Station Improvements
Hidrostal Pump Equipment Updated Proposal**

Dear Mr. Dunigan:

We propose the updated Hidrostal submersible pump equipment for the Ultium 3 Lift Station project in Delta Township based on the equipment changes requested by OHM Advisors. These changes are anticipated to be incorporated into an upcoming Proposal Request #1. The Hidrostal pump equipment is being proposed under Specification Section 43 25 13 – Submersible Centrifugal Sewage Pumps in accordance with OHM's requested changes, the original Bidding Documents and Addendum No.s 1 and 2.

This updated proposal includes the following changes from our original equipment Proposal dated November 2, 2022:

1. Change the pump motors from a 14.8 HP immersible motor to a 20 HP immersible motor.
2. Add a third base elbow and third set of top and intermediate guiderail buckets for a third future pump.

Each Hidrostal pump / motor shall be sized for the 600 gallon per minute (gpm) at 71-foot total dynamic head (TDH) design condition with one (1) pump operating.

We propose the following equipment:

1. Three (3) Hidrostal Submersible Sewage Pumps, Model E4K-S with discharge guide shoe and 20 HP immersible motor (3/60/480). Each pump shall have 100-foot power and control cables and 50-foot stainless steel lifting chain.

Item 2.01

2. Three (3) stainless steel upper guiderail brackets.
3. Three (3) stainless steel intermediate guiderail brackets.
4. Three (3) 4" base elbows.
5. One (1) stainless steel level sensor cable holder per specification sub-section 2.1.L.2.
6. Two (2) pump protection moisture relays. Shipped loose to be installed in Control Panel provided by Owner.
7. Two (2) pump protection high temperature relays. Shipped loose to be installed in Control Panel provided by Owner.

Pump Performance per specification sub-section 2.2.A.1.

See attached General Arrangement drawings of the Hidrostal pump equipment with dimensions.

Five (5) year warranty per specification sub-section 1.10.B.

Submittals per Specification Section 43 25 13, sub-section 1.6 and Specification Section 01 33 00.

Operation & Maintenance Manuals per Specification Section 01 78 23.

Manufacturer Start-up Services per specification sub-section 3.3.B, C and H.

Demonstration and Training Services under specification sub-section 3.4.

Freight to project site.

NOT included:

- Installation.
- Anchor bolts.
- Piping and fittings in wet well.
- Valves.
- Pump 1-1/2" guiderails.
- Pressure gauges.

Mr. Patrick Dunigan, II
Delta Twp Ultium 3 Lift Station
Hidrostal Pumps Updated Proposal
January 25, 2023
Page 3

- Wet well and Valve Vault access hatches.
- Pump Control Panel (by Owner)
- Submersible transducers (by Owner)
- Float switches (by others)
- Noise or vibration testing.
- Taxes.

Revised submittals shall be provided in 3 weeks from receipt of change order.

Equipment production / shipment is 16 weeks from approved submittals.

Price: \$105,260 *(not including taxes)*

Pricing is valid for sixty (60) days.

Payment Terms are 90 % NET 30 days from equipment delivery. The remaining 10% payment is due NET 30 days from start-up but not to exceed 90 days from equipment delivery.

Please call me at 313.920.7064 with any questions.

Sincerely,

Joseph Moore

Joseph Moore
DUBOIS-COOPER ASSOCIATES, INC.



QUOTATION		
DATE	NUMBER	PAGE
2/17/2023	0049138	1 of 2

Revised with no chains and guide rail brackets

B DUN400
I DUNIGAN BROTHERS INC.
L
L
T
O

Accepted By: _____
Date: _____
PO#: _____
Ship To: _____

ATTENTION:
PATRICK DUNIGAN II

WE ARE PLEASED TO PROPOSE THE FOLLOWING FOR YOUR CONSIDERATION:

CUSTOMER REF/PO#	JOB TITLE	SLP	SHIPPING TYPE
REVISED QUOTE 2/17/23	DELTA CHARTER TOWNSHIP, ULTIUM 3 LIFT STATION, FLYGT, WASTE WATER	REA/BMD	FREIGHT ALLOWED

QTY	DESCRIPTION
-----	-------------

- (3) 6" CHECK VALVES WITH FLANGED END CONNECTIONS, AIR CUSHION W. LEVER/WEIGHT OPERATOR.
TAGS: CS-1 / CS-2 / CS-3
- (4) 6" PLUG VALVE WITH FLANGED END CONNECTIONS WITH SQ. NUT & LEVER
TAGS: PV-1 / PV-2 / PV-3 / PV-4
- (1) 3" TIDEFLEX TF-2 CHECK VALVE WITH SS BAND CLAMPS.
- (1) 6" GATE VALVE WITH MECHANICAL JOINT END CONNECTIONS, 2" NUT OPERATOR W. VALVE BOX.
TAG: G-1
- (1) 6" FLOWMETER WITH GROUND RINGS, 100' OF POTTED CABLE AND REMOTE TRANSMITTER. (TRANSMITTER
INSTALLED BY OTHERS)
- (3) SETS STAINLESS STEEL GUIDE RAILS.
- (1) ASHCROFT 4.5" PRESSURE GAUGE ASSEMBLY WITH DIAPHRAGM SEAL AND 1/2" FITTINGS.
- (1) 36"X 96" TRIPLE DOOR ALUMINUM ACCESS HATCH WITH SAFETY GRATING, 300 PSF RATED.
- (1) 30"X30" SINGLE DOOR ALUMINUM ACCESS HATCH WITH SAFETY GRATING, 300 PSF RATED.
- (1) LOT OF START-UP ASSISTANCE: (1) TRIPS / (1) DAYS

NET PRICE INCLUDING FREIGHT, BUT NO TAXES: --- \$47,495.00

NOTES:

- 1) VALVES QUOTED DO NOT MEET AIS REQUIREMENTS OR BUY AMERICA REQUIREMENTS.

WE DO NOT INCLUDE:

TAX, INSTALLATION, SITE WORK, CONCRETE, PUMPS, PIPING, PLATES, ANCHOR BOLTS, HARDWARE, ACCESSORIES, CONDUIT, WIRING, SCADA, INTEGRATION, VFD'S, CONTROL PANELS OR LEVEL DEVICES NOT LISTED, MAIN DISCONNECTS, GENERATOR, GENERATOR RECEPTACLES, TRANSFER SWITCHES, SPARE PARTS, WITNESS TESTING OR ANYTHING NOT DETAILED ABOVE.



QUOTATION		
DATE	NUMBER	PAGE
2/17/2023	0049138	2 of 2

QTY	DESCRIPTION
-----	-------------

WE APPRECIATE THE OPPORTUNITY TO QUOTE.

SINCERELY,
RICK ALVAREZ / CINDY WOODARD

<p>This quote is subject to and incorporates by reference Kennedy Industries, Inc.'s ("Kennedy") Terms & Conditions (Rev'd 4/2019) and Customer Warranty available at www.kennedyind.com which will be provided by email upon written request. Kennedy reserves the right to change the Terms & Conditions and Customer Warranty for future orders. By accepting this quote and/or issuing a purchase order relative to this quote, buyer expressly agrees to the provisions set forth in the Terms & Conditions and Customer Warranty posted on Kennedy's website.</p> <p>QUOTE VALID FOR 30 DAYS. CREDIT CARD PAYMENTS ARE SUBJECT TO AN ADDITIONAL 3% CHARGE NO TAXES OF ANY KIND ARE INCLUDED IN THIS PROPOSAL. PAYMENT TERMS: NET 30</p>	<p>TOTAL: \$47,495.00</p>
--	----------------------------------



KENNEDY
INDUSTRIES

INNOVATE
SOLVE
MONITOR
REPAIR

QUOTATION		
DATE	NUMBER	PAGE
2/15/2023	0049138	1 of 2

REVISED QUOTE

B
I
L
L

T
O
DUN400
DUNIGAN BROTHERS, INC.

Accepted By: _____
Date: _____
PO#: _____
Ship To: _____

ATTENTION:
PATRICK DUNIGAN II

WE ARE PLEASED TO PROPOSE THE FOLLOWING FOR YOUR CONSIDERATION:

CUSTOMER REF/PO#	JOB TITLE	SLP	SHIPPING TYPE
REVISED QUOTE	DELTA CHARTER TOWNSHIP, ULTIUM 3 LIFT STATION, FLYGT, WASTE WATER	REA/BMD	FREIGHT ALLOWED

QTY	DESCRIPTION
-----	-------------

- (3) 6" CHECK VALVES WITH FLANGED END CONNECTIONS, AIR CUSHION W. LEVER/WEIGHT OPERATOR.
TAGS: CS-1 / CS-2 / CS-3
- (4) 6" PLUG VALVES WITH FLANGED END CONNECTIONS WITH SQ. NUT & LEVER
TAGS: PV-1 / PV-2 / PV-3 / PV-4
- (1) 3" TIDFLEX TF-2 CHECK VALVE WITH SS BAND CLAMPS.
- (1) 6" GATE VALVE WITH MECHANICAL JOINT END CONNECTIONS, 2" NUT OPERATOR W. VALVE BOX.
TAG: G-1
- (1) 6" FLOWMETER WITH GROUND RINGS, 100' OF POTTED CABLE AND REMOTE TRANSMITTER. (TRANSMITTER
INSTALLED BY OTHERS)
- (3) SETS STAINLESS STEEL GUIDE RAILS, UPPER BRACKETS, INTERMEDIATE BRACKETS, LIFT CHAIN AND QUICK
LINK. (BASED ON A 27.5' WET WELL DEPTH)
- (1) ASHCROFT 4.5" PRESSURE GAUGE ASSEMBLY WITH DIAPHRAGM SEAL AND 1/2" FITTINGS.
- (1) 36"X 96" TRIPLE DOOR ALUMINUM ACCESS HATCH WITH SAFETY GRATING, 300 PSF RATED.
- (1) 30"X30" SINGLE DOOR ALUMINUM ACCESS HATCH WITH SAFETY GRATING, 300 PSF RATED.
- (1) LOT OF START-UP ASSISTANCE: (1) TRIPS / (1) DAYS

NET PRICE INCLUDING FREIGHT, BUT NO TAXES: --- \$48,595.00

NOTES:
1) VALVES QUOTED DO NOT MEET AIS REQUIREMENTS OR BUY AMERICA REQUIREMENTS.

WE DO NOT INCLUDE:
TAX, INSTALLATION, SITE WORK, CONCRETE, PUMPS, PIPING, PLATES, ANCHOR BOLTS, HARDWARE, ACCESSORIES,
CONDUIT, WIRING, SCADA, INTEGRATION, VFD'S, CONTROL PANELS OR LEVEL DEVICES NOT LISTED, MAIN
DISCONNECTS, GENERATOR, GENERATOR RECEPTACLES, TRANSFER SWITCHES, SPARE PARTS, WITNESS TESTING OR
ANYTHING NOT DETAILED ABOVE.



KENNEDY
INDUSTRIES

INNOVATE
SOLVE
MONITOR
REPAIR

QUOTATION		
DATE	NUMBER	PAGE
2/15/2023	0049138	2 of 2

QTY	DESCRIPTION
-----	-------------

WE APPRECIATE THE OPPORTUNITY TO QUOTE.

SINCERELY,
RICK ALVAREZ / CINDY WOODARD

<p>This quote is subject to and incorporates by reference Kennedy Industries, Inc.'s ("Kennedy") Terms & Conditions (Rev'd 4/2019) and Customer Warranty available at www.kennedyind.com which will be provided by email upon written request. Kennedy reserves the right to change the Terms & Conditions and Customer Warranty for future orders. By accepting this quote and/or issuing a purchase order relative to this quote, buyer expressly agrees to the provisions set forth in the Terms & Conditions and Customer Warranty posted on Kennedy's website.</p> <p>QUOTE VALID FOR 30 DAYS. CREDIT CARD PAYMENTS ARE SUBJECT TO AN ADDITIONAL 3% CHARGE NO TAXES OF ANY KIND ARE INCLUDED IN THIS PROPOSAL. PAYMENT TERMS: NET 30</p>	<p>TOTAL: \$48,595.00</p>
--	----------------------------------

P.O. Box 930079 Wixom, MI 48393 - 4925 Holtz Drive Wixom, MI 48393 - Phone: 248-684-1200 - Fax: 248-684-6011

www.Kennedyind.com

Item 2.01



KENNEDY
INDUSTRIES

INNOVATE
SOLVE
MONITOR
REPAIR

Original

QUOTATION		
DATE	NUMBER	PAGE
12/05/2022	0049138	1 of 2

B
I
L
L

T
O

ALL200
ALL BIDDERS

Accepted By: _____
Date: _____
PO#: _____
Ship To: _____

ATTENTION:
ESTIMATOR

WE ARE PLEASED TO PROPOSE THE FOLLOWING FOR YOUR CONSIDERATION:

CUSTOMER REF/PO#	JOB TITLE	SLP	SHIPPING TYPE
BID 11-02-22	DELTA CHARTER TOWNSHIP, ULTIUM 3 LIFT STATION, FLYGT, WASTE WATER	REA/BMD	FREIGHT ALLOWED
QTY	DESCRIPTION		

- (2) 6" CHECK VALVES WITH FLANGED END CONNECTIONS AND LEVER/WEIGHT OPERATOR.
TAGS: CS-1 / CS-2
- (3) 6" PLUG VALVE WITH FLANGED END CONNECTIONS AND HANDWHEEL OPERATOR.
TAGS: PV-1 / PV-2 / PV-3
- (1) 3" TIDEFLEX TF-2 CHECK VALVE WITH SS BAND CLAMPS.
- (1) 6" GATE VALVE WITH MECHANICAL JOINT END CONNECTIONS, 2" NUT OPERATOR AND INCLUDES SS EXTENSION AND BOX.
TAG: G-1
- (1) 6" FLOWMETER WITH GROUND RINGS, 100' OF POTTED CABLE AND REMOTE TRANSMITTER. (TRANSMITTER INSTALLED BY OTHERS.)
- (2) GUIDE RAIL SYSTEMS WITH STAINLESS STEEL GUIDE RAILS, UPPER BRACKETS, INTERMEDIATE BRACKETS, LIFT CHAIN AND QUICK LINK. (BASED ON A 27.5' WET WELL DEPTH) DISCHARGE BASE BY PUMP SUPPLIER
- (2) PRESSURE GAUGE KITS WITH DIAPHRAGM SEAL AND 1/2" FITTINGS.
- (1) 36"X54" ALUMINUM ACCESS HATCH WITH SAFETY GRATING, 300 PSF RATED.
- (1) 30"X30" ALUMINUM ACCESS HATCH WITH SAFETY GRATING, 300 PSF RATED.
- (1) LOT OF START-UP ASSISTANCE: (1) TRIPS / (1) DAYS

NET PRICE INCLUDING FREIGHT, BUT NO TAXES: --- \$40,375 TOTAL PACKAGE



KENNEDY
INDUSTRIES

INNOVATE
SOLVE
MONITOR
REPAIR

QUOTATION		
DATE	NUMBER	PAGE
12/05/2022	0049138	2 of 2

QTY	DESCRIPTION
-----	-------------

NOTES:

- 1) VALVES QUOTED DO NOT MEET AIS REQUIREMENTS OR BUY AMERICA REQUIREMENTS.
- 2) ONE PUMP PROVIDED AS A SPARE.

WE DO NOT INCLUDE:

TAX, INSTALLATION, SITE WORK, CONCRETE, PIPING, PLATES, ANCHOR BOLTS, HARDWARE, ACCESSORIES, CONDUIT, WIRING, SCADA, INTEGRATION, VFD'S, CONTROL PANELS OR LEVEL DEVICES NOT LISTED, MAIN DISCONNECTS, GENERATOR, GENERATOR RECEPTACLES, TRANSFER SWITCHES, SPARE PARTS, WITNESS TESTING OR ANYTHING NOT DETAILED ABOVE.

WE APPRECIATE THE OPPORTUNITY TO QUOTE.

SINCERELY,
RICK ALVAREZ / BRYAN DAVIDSON

This quote is subject to and incorporates by reference Kennedy Industries, Inc.'s ("Kennedy") Terms & Conditions (Rev'd 4/2019) and Customer Warranty available at www.kennedyind.com which will be provided by email upon written request. Kennedy reserves the right to change the Terms & Conditions and Customer Warranty for future orders. By accepting this quote and/or issuing a purchase order relative to this quote, buyer expressly agrees to the provisions set forth in the Terms & Conditions and Customer Warranty posted on Kennedy's website.

**QUOTE VALID FOR 30 DAYS. CREDIT CARD PAYMENTS ARE SUBJECT TO AN ADDITIONAL 3%
CHARGE NO TAXES OF ANY KIND ARE INCLUDED IN THIS PROPOSAL. PAYMENT TERMS: NET 30**

P.O. Box 930079 Wixom, MI 48393 - 4925 Holtz Drive Wixom, MI 48393 - Phone: 248-684-1200 - Fax: 248-684-6011

www.Kennedyind.com

Item 2.01



M&E MANUFACTURING - GRAND RAPIDS
 4971 Clay Avenue SW
 GRAND RAPIDS, MI 49548
 616 241 2109
 Fax 616 241-5160

Original



Quotation

QUOTE DATE	QUOTE NUMBER
10/07/2022	S104779120
M&E CORPORATE 4901 Clay Ave. PO BOX 897 GRAND RAPIDS, MI 49548 P-616 241 2109 F-	PAGE NO.
	1 of 3

QUOTE TO:

SHIP TO:

M & E QUOTES ACCOUNT (M&E)
 GRAND RAPIDS, MI 49548

M & E QUOTES ACCOUNT (M&E)
 ULTIUM 3 BATTERY PLANT
 BID PACKAGE 2 LIFT STATION
 LANSING, MI 48917

CUSTOMER NUMBER	JOB NAME / PO NUMBER	JOB NAME / RELEASE NUMBER	SALESPERSON		
21636	ULTIUM LIFT STATION		Corp MAE		
WRITER		SHIP VIA	TERMS	EXPIRE DATE	FREIGHT EXEMPT
Tom DeFer				12/02/2022	
ITEM #	ORDER QTY	DESCRIPTION	UNIT PRICE	EXT PRICE	
		BIDS: 11/2/2022 @ 2:00 PM ENGR: OHM ADVISORS * * * fabricated ductile iron pipe is quoted as class 53, double cement lined, with import flanges, and with Tnemec N69-1211 primer on the exterior * ductile iron flange fittings are quoted as import, double cement lined, with Tnemec N69-1211 primer on the exterior * * * quote expires on 12/2/2022 * * *			
	1ea	FAB DI PIPE 6 X 3'0 FLG X FLG	413.00	413.00	
	2ea	^IMPORT 6 DI 90 FLANGED	221.00	442.00	
	1ea	^20 MESH 316SS BUG/BIRD SCREEN	95.00	95.00	
	1ea	^6 X 1 FILLER FLANGE import	210.00	210.00	
		* * *			
	2ea	^IMPORT 6X4 DI RED ECC FLANGED	181.00	362.00	
	2ea	^FAB DI PIPE 6 x 18'1-1/2" FL X FL	1356.00	2712.00	
				Item 2.01	



M&E MANUFACTURING - GRAND RAPIDS
 4971 Clay Avenue SW
 GRAND RAPIDS, MI 49548
 616 241 2109
 Fax 616 241-5160



Quotation

QUOTE DATE	QUOTE NUMBER	PAGE NO.
10/07/2022	S104779120	
M&E CORPORATE 4901 Clay Ave. PO BOX 897 GRAND RAPIDS, MI 49548 P-616 241 2109 F-		2 of 3

QUOTE TO:

SHIP TO:

M & E QUOTES ACCOUNT (M&E)
 GRAND RAPIDS, MI 49548

M & E QUOTES ACCOUNT (M&E)
 ULTIUM 3 BATTERY PLANT
 BID PACKAGE 2 LIFT STATION
 LANSING, MI 48917

ITEM #	ORDER QTY	DESCRIPTION	UNIT PRICE	EXT PRICE
		(length must be verified)		
	2ea	^IMPORT 6 DI 90 FLANGED	221.00	442.00
	2ea	FAB DI PIPE 6 X 7'0 FLG X PE	537.00	1074.00
	28ea	LINK-SEAL LS-400-S SEALS, EPDM, requires 10.0" id hole 7 per seal	21.50	602.00
		*		
	2ea	IMPORT 6 DI MJ LP SLEEVE L/ACC	124.00	248.00
		*		
	28ea	LINK-SEAL LS-400-S SEALS, EPDM,	22.00	616.00
	2ea	FAB DI PIPE 6 X 7'0 FLG X PE	537.00	1074.00
		valves CS-1 & CS-2 by others		
	2ea	6 MEGAFLANGE W/304SS B&N 2106	450.00	900.00
	2ea	FAB DI PIPE 6 X 1'0 FLG X PE	172.00	344.00
		valves PV-1 & PV-2 by others		
	2ea	^IMPORT 6 DI 90 FLANGED	221.00	442.00
	1ea	^IMPORT 6 DI CROSS FLANGED	441.00	441.00
		*		
	1ea	^IMPORT 6 DI 90 FLANGED	221.00	221.00
		valve PV-3 by others		
	1ea	6 MEGAFLANGE W/304SS B&N 2106	450.00	450.00
	14ea	LINK-SEAL LS-400-S SEALS, EPDM,	22.00	308.00
	1ea	FAB DI PIPE 6 X 7'0 FLG X PE	537.00	537.00
	1ea	^IMPORT 6 DI 90 FLANGED	221.00	221.00
	1ea	^6X3 CI COMP FLANGE 3X11	240.00	240.00
	1ea	DIXON 300-F-AL 3 356T6 ALUM MA CAM	30.00	30.00
	1ea	DIXON 300DC-LAL 3IN LOCKABLE DUST	58.00	58.00
		*		
	1ea	FAB DI PIPE 6 X 3'0 FLG X PE	419.00	419.00
		WITH 1/2" FIP TAP FOR GAUGE		
	1ea	6 MEGAFLANGE W/304SS B&N 2106	450.00	450.00
		flow meter by others		
	1ea	FAB DI PIPE 6 X 4'0 FLG X PE	480.00	480.00
		WITH 1/2" FIP TAP FOR GAUGE		
	14ea	LINK-SEAL LS-410-SS EPDM 316SS	22.00	308.00
	1ea	IMPORT 6 MJ CAP L/ACC	56.00	56.00
		*		
		*		
	1ea	GENOVA 79230 3" PVC SCH40 DRAIN	25.50	25.50



M&E MANUFACTURING - GRAND RAPIDS
 4971 Clay Avenue SW
 GRAND RAPIDS, MI 49548
 616 241 2109
 Fax 616 241-5160



Quotation

QUOTE DATE	QUOTE NUMBER
10/07/2022	S104779120
M&E CORPORATE 4901 Clay Ave. PO BOX 897 GRAND RAPIDS, MI 49548 P-616 241 2109 F-	PAGE NO.
	3 of 3

QUOTE TO:

SHIP TO:

M & E QUOTES ACCOUNT (M&E)
 GRAND RAPIDS, MI 49548

M & E QUOTES ACCOUNT (M&E)
 ULTIUM 3 BATTERY PLANT
 BID PACKAGE 2 LIFT STATION
 LANSING, MI 48917

ITEM #	ORDER QTY	DESCRIPTION	UNIT PRICE	EXT PRICE
	1ea	3 PVC SCH40 COUPLING DWV	7.00	7.00
	20ft	3X20FT PVC SCH80 PE PIPE	1155.00	231.00
	1ea	806-030 3 PVC 90 ELL SOC SCH80	16.00	16.00
	1ea	^3" TF-2 CHECK VALVE	675.00	675.00
	16ea	LS-300S LINK SEALS requires 5.0" id hole 8 per seal * * *	9.50	152.00
	5ea	6 MEGALUG RET GLAND FOR DI	45.00	225.00
	5ea	6" MJ COR-BLU BOLT AND GASKET SET *	38.00	190.00
	2ea	4 FLANGE TORUSEAL SBR GASKET	10.95	21.90
	23ea	6 FLANGE TORUSEAL SBR GASKET flange bolts & nuts by others *	13.05	300.15
	8ea	^SB 90706000001-000 HARNESS LUGS stainless steel rod, nuts, & anchors by others	65.00	520.00

This Quotation is controlled by ETNA's standard terms and conditions ("ETNA's Standard Terms") found at <https://www.etnasupply.com/TermsandConditionsofQuotation>. Any other terms are expressly rejected. To the extent there is a conflict between any of the terms appearing on the face of this Quotation and ETNA's Standard Terms, the terms appearing on the face of the Quotation control. TAXES ARE NOT INCLUDED ON THIS QUOTE!

Prices are firm for 42 days. Price subject to change after 42 days.

Subtotal	16558.55
S&H Charges	0.00
Amount Due	16558.55



Modified for PR01



Quotation

M&E MANUFACTURING - GRAND RAPIDS
 4971 Clay Avenue SW
 GRAND RAPIDS, MI 49548
 616 241 2109
 Fax 616 241-5160

QUOTE DATE	QUOTE NUMBER	PAGE NO.
01/31/2023	S104941482	
M&E CORPORATE 4901 Clay Ave. PO BOX 897 GRAND RAPIDS, MI 49548 P-616 241 2109 F-		1 of 4

QUOTE TO:

SHIP TO:

DUNIGAN BROTHERS INC (M&E)
 911 E SOUTH ST
 JACKSON, MI 49203-4483

ULTIUM 3 BID PACKAGE 2
 DUNIGAN BROTHERS
 LANSING, MI 48917

CUSTOMER NUMBER	JOB NAME / PO NUMBER	JOB NAME / RELEASE NUMBER	SALESPERSON		
151306			Brian Corson MAE		
WRITER		SHIP VIA	TERMS	EXPIRE DATE	FREIGHT EXEMPT
Tom DeFer				03/01/2023	
ITEM #	ORDER QTY	DESCRIPTION	UNIT PRICE	EXT PRICE	
		fabricated ductile iron pipe is quoted as class 53, double cement lined, with import flanges and with Tnemec N69-1211 primer on the exterior * CONTRACTOR TO VERIFY ALL PIPE LENGTHS PRIOR TO ORDERING * ductile iron flange fittings are quoted as import, double cement lined, with Tnemec N69-1211 primer on the exterior * ductile iron mechanical joint fittings are quoted as AWWA C-153, import * * * QUOTE EXPIRES ON 3/1/23 * * *			
	1ea	FAB DI PIPE 6 X 3'0 FLG X FLG	413.00	413.00	
	2ea	IMPORT 6 DI 90 FLANGED	221.00	442.00	
	1ea	^20 MESH T316 SS BUG/BIRD SCREEN	95.00	95.00	
	1ea	6 X 1 FILLER FLANGE	210.00	210.00	
		ss expansion anchors by others cored hole by contractor *			
				Item 2.01	



M&E MANUFACTURING - GRAND RAPIDS
 4971 Clay Avenue SW
 GRAND RAPIDS, MI 49548
 616 241 2109
 Fax 616 241-5160



Quotation

QUOTE DATE	QUOTE NUMBER
01/31/2023	S104941482
M&E CORPORATE 4901 Clay Ave. PO BOX 897 GRAND RAPIDS, MI 49548 P-616 241 2109 F-	PAGE NO.
	2 of 4

QUOTE TO:

SHIP TO:

DUNIGAN BROTHERS INC (M&E)
 911 E SOUTH ST
 JACKSON, MI 49203-4483

ULTIUM 3 BID PACKAGE 2
 DUNIGAN BROTHERS
 LANSING, MI 48917

ITEM #	ORDER QTY	DESCRIPTION	UNIT PRICE	EXT PRICE
		*		
	3ea	IMPORT 6X4 DI RED ECC FLANGED	181.00	543.00
		*		
	3ea	^FAB DI PIPE 6 X 18'1" FLG X FLG (length must be verified) *****OR*****	1356.00	4068.00
	3ea	FAB DI PIPE 6" X 18'6" FLG X PE	1237.00	3711.00
	3ea	6 MEGAFLANGE W/304SS B&N 2106	399.00	1197.00
		*		
	3ea	IMPORT 6 DI 90 FLANGED	221.00	663.00
	3ea	FAB DI PIPE 6 X 7'0 FLG X PE	537.00	1611.00
	42ea	LINK-SEAL LS-400-S SEALS, EPDM, requiries 10.0" id hole 7 per seal	21.50	903.00
		*		
	42ea	LINK-SEAL LS-400-S SEALS, EPDM,	21.50	903.00
	3ea	FAB DI PIPE 6 X 6'6 FLG X PE check valves CS-1, CS-2 & CS-3 by others	507.00	1521.00
	3ea	6 MEGAFLANGE W/304SS B&N 2106	399.00	1197.00
	3ea	FAB DI PIPE 6 X 1'0 FLG X PE plug valves PV-1, PV-2 & PV-3 by others	172.00	516.00
		*		
	2ea	IMPORT 6 DI 90 FLANGED	221.00	442.00
	2ea	^FAB DI PIPE 6 X 1'4" FLG X FLG	322.00	644.00
	1ea	IMPORT 6 DI CROSS FLANGED	441.00	441.00
		*		
	1ea	IMPORT 6 DI TEE FLANGED plug valve P-4 by others	323.00	323.00
	1ea	6 MEGAFLANGE W/304SS B&N 2106	399.00	399.00
	14ea	LINK-SEAL LS-400-S SEALS, EPDM,	21.50	301.00
	1ea	FAB DI PIPE 6 X 7'0 FLG X PE	537.00	537.00
	1ea	IMPORT 6 DI 90 FLANGED	221.00	221.00
	1ea	^6X3 CI COMP FLANGE 3X11	240.00	240.00
	1ea	DIXON 300-F-AL 3 356T6 ALUM MA CAM	30.00	30.00
	1ea	DIXON 300DC-LAL 3IN LOCKABLE DUST	58.00	58.00
		*		
	1ea	^FAB DI PIPE 6 X 3'8" FLG X PE	480.00	480.00



M&E MANUFACTURING - GRAND RAPIDS
 4971 Clay Avenue SW
 GRAND RAPIDS, MI 49548
 616 241 2109
 Fax 616 241-5160



Quotation

QUOTE DATE	QUOTE NUMBER
01/31/2023	S104941482
M&E CORPORATE 4901 Clay Ave. PO BOX 897 GRAND RAPIDS, MI 49548 P-616 241 2109 F-	PAGE NO.
	3 of 4

QUOTE TO:

SHIP TO:

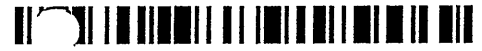
DUNIGAN BROTHERS INC (M&E)
 911 E SOUTH ST
 JACKSON, MI 49203-4483

ULTIUM 3 BID PACKAGE 2
 DUNIGAN BROTHERS
 LANSING, MI 48917

ITEM #	ORDER QTY	DESCRIPTION	UNIT PRICE	EXT PRICE
		WITH TAP 2'0" FROM FACE OF FLANGE		
	1ea	6 MEGAFLANGE W/304SS B&N 2106	399.00	399.00
		flow meter by others		
	1ea	FAB DI PIPE 6 X 4'0 FLG X PE	480.00	480.00
		WITH 1" FIP TAP 6" FROM		
		FACE OF FLANGE		
	14ea	LINK-SEAL LS-400-S SEALS, EPDM,	21.50	301.00
	1ea	IMPORT 6 MJ CAP L/ACC	56.00	56.00
		*		
		*		
	1ea	GENOVA 79230 3" PVC SCH40 DRAIN	20.50	20.50
	1ea	829-030 3 PVC COUPLING SOC SCH80	18.00	18.00
	40ft	3X20FT PVC SCH80 PE PIPE	900.00	360.00
	1ea	FERNCO 1056-33 3X3 FLEX COUPLING	7.10	7.10
	2ea	806-030 3 PVC 90 ELL SOC SCH80	15.20	30.40
	5ea	817-030 3 PVC 45 ELL SOC SCH80	34.00	170.00
	2ea	875-030 3 PVC WYE SOC SCH80 150PSI	145.00	290.00
	2ea	835-030 3 PVC FEMALE ADAPTER	35.00	70.00
	2ea	3 PVC SCH40 THD PLUG DWV	4.30	8.60
	2ea	EJ 1566 CLEANOUT/MONUMENT BOX SET	222.00	444.00
		*		
	16ea	LS-300S LINK SEALS	9.00	144.00
		requires 5.0" id hole 8 per seal		
		*		
	1ea	^3" TF-2 CHECK VALVE	695.00	695.00
		*		
		*		
		*		
		*		
	7ea	6 MEGALUG RET GLAND FOR DI	42.00	294.00
	7ea	6" MJ COR-BLU BOLT AND GASKET SET	36.00	252.00
		*		
	3ea	4 FLANGE TORUSEAL SBR GASKET	10.95	32.85
	3ea	4" FLANGE 304 S.S. BOLT & NUT KIT	15.00	45.00
	30ea	6 FLANGE TORUSEAL SBR GASKET	13.05	391.50
	31ea	6" & 8" FLANGE 304 S.S. BOLT & NUT	38.00	1178.00
		*		
	48ft	3/4 X 12FT 304 SS THREADED ROD	1125.00	540.00



M&E MANUFACTURING - GRAND RAPIDS
 4971 Clay Avenue SW
 GRAND RAPIDS, MI 49548
 616 241 2109
 Fax 616 241-5160



Quotation

QUOTE DATE	QUOTE NUMBER
01/31/2023	S104941482
M&E CORPORATE 4901 Clay Ave. PO BOX 897 GRAND RAPIDS, MI 49548 P-616 241 2109 F-	PAGE NO.
	4 of 4

QUOTE TO:

SHIP TO:

DUNIGAN BROTHERS INC (M&E)
 911 E SOUTH ST
 JACKSON, MI 49203-4483

ULTIUM 3 BID PACKAGE 2
 DUNIGAN BROTHERS
 LANSING, MI 48917

ITEM #	ORDER QTY	DESCRIPTION	UNIT PRICE	EXT PRICE
	48ea	H.H. NUT 3/4 STAINLESS STEEL 304 * stud bolts for plug valve by others expansion anchors by others epoxy anchors by others harness lugs by others	300.00	144.00

This Quotation is controlled by ETNA's standard terms and conditions ("ETNA's Standard Terms") found at <https://www.etnasupply.com/TermsandConditionsofQuotation>. Any other terms are expressly rejected. To the extent there is a conflict between any of the terms appearing on the face of this Quotation and ETNA's Standard Terms, the terms appearing on the face of the Quotation control.
TAXES ARE NOT INCLUDED ON THIS QUOTE!

Prices are firm for 28 days. Price subject to change after 28 days.

Subtotal	28479.95
S&H Charges	0.00
Amount Due	28479.95

Item 2.01



34000 Plymouth Road, Livonia, MI 48150
Telephone: 734.522.6711
Fax: 734.522.6427

PROPOSAL REQUEST 02

DISTRIBUTION

Owner - 1
Contractor - 1
Construction - 1

TO: Dunigan Bros., Inc.

DATE: January 30, 2023

911 E. South St.
Jackson, MI 49203

PROJECT: Delta Township
Bid Package 2
Ultium 3 Lift Station
4064-22-0020

Attn: Patrick Dunigan

INTENT: This is not a change order. This is a request to the Contractor for a lump sum price for to modify the precast wetwell and valve vault associated with project. The Ultium Lift Station is being revised due to changes in peak flow as estimated by GM/Ultium. The following items are to be included as part of this Proposal Request:

- A 10-foot interior diameter precast wetwell with three wall penetrations for the discharge piping and a 36" by 96" three leaf access hatch.
- The valve vault interior dimensions revised to 12-foot by 9-foot to accommodate the piping for three pumps.
- Valve vault access hatch and sump locations revised to accommodate the piping.
- Valve vault base slab dimensions revised due to buoyancy calculations.
- This Proposal Request shall include costs for the furnishing and installation of the revised wetwell and vault structures including, but not limited to, the structures, and any impacts on the excavation support and protection and dewatering efforts.
- Refer to Proposal Request 01 for additional information related to the pumps and piping modifications.

PROPOSED CHANGES:

There are no Project Manual revisions included in this Proposal Request.

The following drawings have been revised as described below. Revisions clouds are NOT used on the drawings.

1. Revised Sheet C-102.
 - 1.1. Site Plan is revised for the 10-foot interior diameter (ID) of the wet well and the 12-foot by 9-foot interior dimensions of the valve vault.
 - 1.2. Pipe Tag 3 includes three pipes from the wet well to the valve vault.
 - 1.3. Drain line from the valve vault to the wet well is shown south of the valve vault.
2. Revised Sheets S-102
 - 2.1. Plan and Section views are revised for the change of the 8-foot diameter interior diameter to **10-foot ID** of the wet well.

- 2.2. Wetwell top slab revised for 36" by 96" three-door access hatch to accommodate the three submersible pumps.
 - 2.3. Wetwell configured for three pumps with three discharge pipes penetrating the wetwell wall.
 - 2.4. Valve Vault drain piping re-located and wetwell pipe penetration location revised.
 - 2.5. Valve vault plan and section views removed from Sheet S-102.
- 3. New Sheet S-103
 - 3.1. Plan and Section views for the valve vault have been moved to sheet S-103.
 - 3.2. Valve vault interior dimensions changed from 10-foot by 6-foot to **12-foot by 9-foot**.
 - 3.3. Valve vault top slab revised for locations of the bypass pipe penetration and access hatch.
 - 3.4. Dimension of slab base increase due to buoyancy requirements.
 - 3.5. Base slab sump location revised.
 - 3.6. Valve vault reconfigured for triplex station.
 - 3.6.1. Revised discharge piping for triplex pump station for three pipe penetrations through the wall.
 - 3.6.2. Drain piping from the sump re-routed for wall penetration.
- 4. Revised Sheets D-102 and D-103 provide as reference for the piping locations.

REASON FOR CHANGE:

Current and future flow rates as provided by GM and Ultium 3 Cells manufacturing facility have been modified. The lift station has been revised to a triplex station with two pumps installed initially and a third available for future installation. To accommodate the increase in flow and the needed [pumps and piping, the wetwell and valve vault structures interior dimension have increased.

Will the work covered by this Proposal Request be completed within the original contract time: Substantial Completion by June 1, 2023, and Final Completion by July 15, 2023? If additional time is required, how many calendar days added for Substantial Completion 30 ?

It is required that the spaces provided for the change in Contract amount, signature and date be filled in and returned to this office.

OHM Advisors



BY _____

1. Total Bid for Lump Sum Bid Price:
One Hundred Eighteen Thousand One Hundred Seventy Four Dollars _____ Dollars
(\$ 118,174.72 _____). and Seventy Two Cents

BY *Patrick Dunigan II*

Dunigan Brothers, Inc.

DATE 2/14/23

Delta Township GM Pump Station - BP2
 PR 02 Breakdown

	Original Costs	New Costs	Change \$
Precast WW	\$ 39,425.00	\$ 67,138.00	\$ 27,713.00
Precast VV	\$ 32,060.00	\$ 64,702.00	\$ 32,642.00
Grand Valley Discount			\$ (2,700.00)
Labor/Equip	3 Days	\$ 8,629.46 per day	\$ 25,888.38
Crane Rental	2 Days	\$ 7,250.00 per day	\$ 14,500.00
Trucking/Spoils	30 CY	\$10	\$ 300.00
Stone Base	25 ton	\$ 30.00	\$ 750.00
Seals (1 more set)	1 ea		\$ 290.50
Total			\$ 99,383.88
15% Overhead (labor and Equip only)			\$ 3,883.26
15% profit			\$ 14,907.58
Total Change Price			\$ 118,174.72

Patrick Dunigan II

From: mike@grandvalleyconcrete.com
Sent: Thursday, February 9, 2023 4:20 PM
To: Patrick Dunigan II
Subject: Ultium

Patrick,

I was talking to Dave earlier today, and we wanted to offer you a \$2,700 deduct on the Ultium 2 project. We would apply it as \$1,350/ea. On the 10' structure and the box.

Have a great day!

Thanks,

Mike Hollebeek
Grand Valley Concrete Products
616-862-1848

Patrick Dunigan II

From: Brad Bridgewater <brad@mwcrane.com>
Sent: Friday, February 10, 2023 3:21 PM
To: Patrick Dunigan II
Subject: RE: Rates

Patrick,

525/Hour
800 Cartage(charged on travel days only)
150 Permits (1 charge per week)
\$100/Hour OT rate on top of hourly rate after 8 hours (10% Surcharge on total)
8 hour min

$$x 81 = 42675 - 5775$$

$$x 1 = 800 -$$

$$x 1 = 150 -$$

\$5665 8 hour total

Let me know if you need anything else. Thank you

Brad Bridgewater
Operations Manager
Hi-Ball CO.
M&W Crane Rental, LLC
3803 N. Euclid Ave. Bay City, MI 48706
826 Filley St. Lansing, MI 48906
Office (517)651-5695
Cell (989)992-4453

-----Original Message-----

From: Patrick Dunigan II <Patrick@duniganbros.com>
Sent: Friday, February 10, 2023 8:09 AM
To: Brad Bridgewater <brad@mwcrane.com>
Subject: Rates

Brad

Can I get a rate for a 210 ton crane per hour. I have an old rate but need to check that I'm covered for something. It'd be a couple continuous days of work. It'd be at that new gm battery plant in delta township.

Patrick Dunigan II
Dunigan Bros., Inc.

$$\begin{array}{r} 7025 \\ + 10\% \text{ surcharge} \\ \hline \$7727.50 \\ + 6\% \text{ Sales Tax} \\ + 2\% \text{ Equipment Rental Tax} \\ \hline \$8345.70 \text{ per day for} \\ \text{2 days} \end{array}$$



Email Estimate
Shortcut



Send to B2W
Operational Suite

Summary Bid Form Audit Trail

Description: Lift Station Crew

Crew name: Lift Station Crew

Work type: Lift Station Category:

Quantity: 1.00 LS

Prod. rate: 0.07 LS/DY

Work rule: (None) Job cost ID: (Custom)

Prod. HR/DY: 10.00 Eq. HR/DY: 10.00

Total days: 14.00 Lab. HR/DY: 10.00

Cost Summary

	Per Day	Total
Labor:	\$2,699.46	\$37,792.40
Equip. Owned:	\$5,930.00	\$83,020.00
Equip. Rented:	\$0.00	\$0.00
Crew:	\$8,629.46	\$120,812.40

Equipment

# Of	Description	UM	Unit Cost	HR/DY	Total DY	Total UM	Total Cost
1	CAT 257B Series 3 Skid Steer	HR	\$43.50	10.00	14.00	140.00	\$6,090.00
1	CAT 938H Loader	HR	\$86.25	10.00	14.00	140.00	\$12,075.00
1	Pickup Truck	HR	\$20.00	10.00	14.00	140.00	\$2,800.00
1	DEERE 650D Excavator	HR	\$362.50	10.00	14.00	140.00	\$50,750.00
1	DEERE 135D Excavator	HR	\$80.75	10.00	14.00	140.00	\$11,305.00

Add...

Edit HR/DY...

Remove

Labor

# Of	Description	UM	Reg. Cost	HR/DY	Total DY	OT After	Reg. UM	OT UM	DT UM	Total Cost
1	Excavator Operator	HR	\$54.25	10.00	14.00	8.00	112.00	28.00	0.00	\$8,122.14
1	Foreman	HR	\$61.78	10.00	14.00	8.00	112.00	28.00	0.00	\$9,282.60
1	Loader Operator	HR	\$54.25	10.00	14.00	8.00	112.00	28.00	0.00	\$8,122.14
1	Pipe Layer	HR	\$43.48	10.00	14.00	8.00	112.00	28.00	0.00	\$6,464.33
1	Top Man	HR	\$39.18	10.00	14.00	8.00	112.00	28.00	0.00	\$5,801.20

Item 2.02



2500 3 Mile RD N.W.
 Grand Rapids, MI 49534-1314
 Office: 616-453-9429
 Fax: 616-453-7580
 www.grandvalleyconcrete.com

QUOTATION FOR PRECAST MANHOLES, CATCH BASINS, & APPURTENANCES

page 1 of 2

Date: October 26, 2022
 Attn: Contractor
 Project: **Ultium Battery Plant
 Lift Station Bid Package #2
 Delta Twp.**
 Bid Date: **11/2/2022 – Revised February 1, 2023**

We are pleased to submit the following quotation for materials on the above named project:

MH A 4' dia. Sanitary @ 3,074.00 each
 MH B 4' dia. Sanitary @ 3,217.00 each
 Sanitary manholes include precast inverts, booted pipe openings and 12" Wide Butyl Rubber on the exterior of the joints.

Wet Well 10' dia. Sanitary @ 67,138.00 each
 Sanitary Wet Well includes precast concrete fillets in base corners, booted pipe openings for gravity pipe, Link Seal pipe openings for Force main and 12" Wide Butyl Rubber on the exterior of the joints. Hatch will be installed in the flat top by Grand Valley if provided by others. Extended base is included in price and will be 174" dia. x 16" thick. Extended base includes epoxy coated rebar, galvanized brackets with bolts and butyl rope. Concrete mix includes Xypex BIO SAN add mix.

Valve Vault 12' x 9' @ 64,702.00 each
 Sanitary Valve Vault includes Link Seal pipe openings, and 12" Wide Butyl Rubber on the exterior of the joints. Hatch will be installed in the flat top by Grand Valley if provided by others. Concrete mix includes Xypex BIO SAN add mix.

Prices include delivery to the site.

131840

Sincerely,
 Mike Holbrook



QUOTATION FOR PRECAST MANHOLES, CATCH BASINS, & APPURTENANCES

Date: October 26, 2022 page 1 of 2

Attn: Contractor

**Project: Ultium Battery Plant
Lift Station Bid Package #2
Delta Twp.**

Bid Date: 11/2/2022

We are pleased to submit the following quotation for materials on the above named project:

MH A	4' dia. Sanitary	@	3,074.00 each
MH B	4' dia. Sanitary	@	3,217.00 each

Sanitary manholes include precast inverts, booted pipe openings and 12" Wide Butyl Rubber on the exterior of the joints.

Wet Well	8' dia. Sanitary	@	39,425.00 each
----------	------------------	---	----------------

Sanitary Wet Well includes precast concrete fillets in base corners, booted pipe openings for gravity pipe, Link Seal pipe openings for Force main and 12" Wide Butyl Rubber on the exterior of the joints. Hatch will be installed in the flat top by Grand Valley if provided by others. Extended base is included in price and will be 154" dia. x 16" thick. Extended base includes epoxy coated rebar, galvanized brackets with bolts and butyl rope. Concrete mix includes Xypex BIO SAN add mix.

Valve Vault	10' x 6'	@	32,060.00 each
-------------	----------	---	----------------

Sanitary Valve Vault includes Link Seal pipe openings, and 12" Wide Butyl Rubber on the exterior of the joints. Hatch will be installed in the flat top by Grand Valley if provided by others. Concrete mix includes Xypex BIO SAN add mix.

The quotation does not include the 6% sales tax.
This quotation is good for 60 days from of the bid date.
Prices include delivery to the site.

71435

Sincerely,
Greg Veltema



34000 Plymouth Road, Livonia, MI 48150
Telephone: 734.522.6711
Fax: 734.522.6427

PROPOSAL REQUEST 03

DISTRIBUTION

Owner - 1
Contractor - 1
Construction - 1

TO: Dunigan Bros., Inc.

911 E. South St.
Jackson, MI 49203

DATE: February 7, 2023

PROJECT: Delta Township
Bid Package 2
Ultium 3 Lift Station
4064-22-0020

Attn: Patrick Dunigan

INTENT: This is not a change order. This is a request to the Contractor for a lump sum price to modify the electrical service associated with changes to the lift station pumping capacity. The Ultium Lift Station is being revised due to changes in peak flow as estimated by GM/Ultium. The following items are to be included as part of this Proposal Request:

- The station will be a triplex submersible pump station with two pumps installed now and plumbed for the installation of the third pump in the future.
- The electrical service to the lift station is increased to 200 amps from the original 100 amp service. Conduit and wires have revised to accommodate this increase in power.
- The generator size has changed from 90 KW to 100 KW. Generator supplier to verify that the 100 KW generator already submitted is sized adequately based on the revised pump submittals.
- The Lansing Board of Water and Light (LBWL) will provide the transformer pad and incoming conduit and wire to the transformer. The Contractor shall provide the conduit and wire from the transformer to the meter. LBWL will make all terminations at the transformer.

PROPOSED CHANGES:

The Project Manual has been revised as described below. Additions within the technical specification have been bolded for reference and deletions are identified by text that is strikethrough.

1. Specification Section 01 10 00 – “Summary”. Remove and replace this section as issued as part of this Proposal Request.
2. Specification Section 43 25 13.00 – “Submersible Centrifugal Pumps”. Remove and replace this section as issued as part of this Proposal Request.

The following drawings have been revised as described below. . Changes are noted in with revisions clouds. Deleted work from the original bid documents (updated for addendums) are bubbled and hatched out. If a sheet is not listed below, no changes were made.

3. Revised Sheet C-102.
 - 3.1.1. Site Plan is revised for the 10-foot interior diameter (ID) of the wet well and the 12-foot by 9-foot interior dimensions of the valve vault.

4. Revised Sheet E-003.
 - 4.1.1. Delete the 250 LF of duct bank for BWL service and the transformer pad.
 - 4.1.2. Add one vented tray and conduit and wiring to the control panel for the third pump.

5. Revised Sheet E-004.
 - 5.1.1. Delete the 250 LF of duct bank for BWL service and the transformer pad
 - 5.1.2. Modify conduit and wire for upsizing the service to 200A from 100A.
 - 5.1.3. Modify service entrance rated main circuit breaker and manual transfer switch to 200A.
 - 5.1.4. Modify generator to 100 KW.
 - 5.1.5. Modify conduit and wire for service upsize for service entrance rated main circuit breaker, manual transfer switch, and generator.

6. Revised Sheet E-005 and Sheet E-012.
 - 6.1.1. Add vented tray and wiring to the control panel for the third pump. The third pump will not be installed so termination of the manufacturer cable shall not be included.

7. Revised Sheet E-013.
 - 7.1.1. Delete the transformer pad. LBWL will provide the transformer pad and incoming conduit and wire to the transformer. The Contractor shall provide the conduit and wire from the transformer to the meter. LBWL will make all terminations at the transformer. LBWL Pad Detail attached for reference.

Refer to change order to modifications to time request based on subsequent information.

REASON FOR CHANGE:

Current and future flow rates as provided by GM and Ultium 3 Cells manufacturing facility have been modified. The lift station has been revised to a triplex station with two pumps installed initially and a third available for future installation. These modifications provide flexibility for future operations.

Will the work covered by this Proposal Request be completed within the original contract time: Substantial Completion by June 1, 2023, and Final Completion by July 15, 2023? If additional time is required, how many calendar days added for Substantial Completion 135?

based on MTS approval by 3/22/23

Provide a detailed breakdown of the costs associated with this Proposal Request.

It is required that the spaces provided for the change in Contract amount, signature and date be filled in and returned to this office.

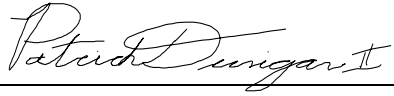
OHM Advisors

BY _____

1. Total Bid for Lump Sum Bid Price:

Deduct Thirty Four Thousand Four Hundred Eighteen Dollars Dollars

(\$ -34,418.00).

BY 

Dunigan Brothers, Inc.

DATE 3/20/23

Health Care
Commercial
Industrial

Superior Electric of Lansing, Inc.

212 W. Sheridan Rd. ● Lansing, MI 48906
517-485-7125 Office
517-485-1507 Fax

March 19th, 2023

Ultium 3 Battery Plant Bid Pack # 2 Lift Station
Dunigan Bros. Inc. Jackson, MI. 49203
Superior Job # 21500

RE: PR # 3 Revisions: Change Order Request # 1

1. Revised Sheet E-003

- A. 4.1.1. Delete 250 LF Duct Bank - **Total Credit – (-\$50,000)**
 - The 6” PVC we already have
- B. 4.1.2. Add SS Vent Tray/Conduit & Wire- **Total Add - \$5,516**

2. Revised Sheet E-004

- A. 5.1.2. Modify Conduit and Wire- **Total Add - \$2,747**
 - All Wire Change
- B. 5.1.3 All Equip. Changes- **Total Add – \$7,319**

3. PR # Total Change/Credit – (-\$34,418)

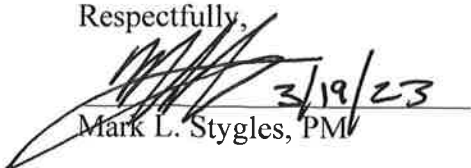
Please see the attached breakdowns, backup, and quotes.
Please sign/send back with a change order.

Thank you!

NOTES:

1. To perform this Added/Change in Scope of Work(PR #3) we will need a **Minimum of 180-200 Additional Days to complete this Project.** Due to Equipment led Time to Ship, Deliver, Install, and Test.
2. At any given time throughout this project Any of Our Quote Equipment Items could have a Lead Time to Ship, which is out of Superior Electric’s Control.
3. Please see the attached “Estimated Ship Dates” for the 200Amp Eaton Main Circuit Breaker, and the 225Amp Cummins Manual Transfer Switch.

Respectfully,


Mark L. Stygles, PM

Accepted By,

Patrick Dunigan, II

Date

	Description	Quantity	Unit	Net Cost	Labor	Unit	Total Material	Total Hour
1	Ultium 3 Battery Plant Lift Station Bid Pack # 2	1	E	0.00	0.00	E	0.00	0.00
2	Superior Job # 21500	1	E	0.00	0.00	E	0.00	0.00
3	Proposal Request # 3 : Revised Electrical Scope	1	E	0.00	0.00	E	0.00	0.00
4	4. Revised Sheet E-003	1	E	0.00	0.00	E	0.00	0.00
5	4.1.1. Delete the 250 LF of Duct Bank	-1	E	0.00	0.00	E	-0.00	-0.00
6	Credit Base Bid Alternate for Duct Bank BWL	-1	E	50,000.00	0.00	E	-50,000.00	-0.00
Totals		2					-50,000.00	0.00

	Subcontractors	Alarm	Cost	Total
10	INTERNAL EXCAVATION \$10/FT	Alarm		
16	TESTING	Alarm		
Totals				

	General Expenses	Alarm	Quantity	Cost/Unit	Total Cost	Total
1	SPECIFIED ALLOWANCES	Alarm	1.00			
2	PERMIT (\$3K / Mil)	Alarm	1.00			
10	PARKING	Alarm	1.00			
12	RENTALS (Sizzor Lift \$375/ Mon)	Alarm	1.00			
14	TEMPORARY LIGHTING (\$3.5K/ Mi	Alarm	1.00			
15	TEMPORARY POWER (\$3.5K / Mil)	Alarm	1.00			
Totals						

	Quoted Materials	Alarm	Cost
1	LIGHTING FIXTURES	Alarm	
2	DISTRIBUTION	Alarm	
4	FIRE ALARM	Alarm	
Totals			

Final Pricing	Calculated (\$)	Calculated (%)
Database Material (Extension)	-50,000.00	
Quoted Material		
Material Total	-50,000.00	
Subcontractors		
General Expenses		
Total Cost	-50,000.00	
Selling Price	-50,000.00	
Final Price	-50,000.00	

Item 4.1.1. DELETE 250 LF DMS BANK
CREDITS - (-50,000)
SUPPORT DMS. 1

FYI: WE HAVE PURCHASE 0 ALREADY
HAVE THE 6" PVC

Materials to be turned
over to Owner

	Description	Quantity	Unit	Net Cost	Labor	Unit	Total Material	Total Hour
1	3" CONDUIT - PVC COATED - GALV	20	C	3,690.00	25.50	C	738.00	5.10
2	3" COUPLING - PVC COATED - GALV	3	C	8,431.00	101.75	C	252.93	3.05
3	3" ELBOW 90 DEG - PVC COATED - GALV	1	C	35,760.20	2.25	C	357.60	0.02
4	# 8 RHW-USE BLACK	204	M	682.35	10.50	M	139.20	2.14
5	Ultium 3 Battery Plant Lift Station Bid Pack # 2	1	E	0.00	0.00	E	0.00	0.00
6	Superior Job # 21500	1	E	0.00	0.00	E	0.00	0.00
7	Proposal Request # 3 : Revised Electrical Scope	1	E	0.00	0.00	E	0.00	0.00
8	4. Revised Sheet E-003	1	E	0.00	0.00	E	0.00	0.00
9	4.1.2. Add one Vent Tray / Conduit & Wire for 3rd	1	E	0.00	0.00	E	0.00	0.00
10	Stainless Steel Vented Tray & Cover Assembly	1	E	1,155.75	8.00	E	1,155.75	8.00
11	Add Conduit & Wire for 3rd Pump	1	E	0.00	0.00	E	0.00	0.00
12	3" LINKSEAL	1	E	150.00	1.00	E	150.00	1.00
	Totals	236					2,793.48	19.32

	Labor Type	Crew	Hours	Rate \$	Total
1	ELECTRICIAN	1.00	19.32	95.00	1,835.40
	Totals	1.00	19.32	95.00	1,835.40

	Subcontractors	Alarm	Cost	Total
10	INTERNAL EXCAVATION \$10/FT	Alarm		
16	TESTING	Alarm		
	Totals			

	General Expenses	Alarm	Quantity	Cost/Unit	Total Cost	Total
1	SPECIFIED ALLOWANCES	Alarm	1.00			
2	PERMIT (\$3K / Mil)	Alarm	1.00			
10	PARKING	Alarm	1.00			
12	RENTALS (Sizzor Lift \$375/ Mon)	Alarm	1.00			
14	TEMPORARY LIGHTING (\$3.5K/ Mi	Alarm	1.00			
15	TEMPORARY POWER (\$3.5K / Mil)	Alarm	1.00			
	Totals					

	Quoted Materials	Alarm	Cost
1	LIGHTING FIXTURES	Alarm	
2	DISTRIBUTION	Alarm	
4	FIRE ALARM	Alarm	
	Totals		

Final Pricing	Calculated (\$)	Calculated (%)
Database Material (Extension)	2,793.48	
Quoted Material		
Material Tax	167.61	6.000
Material Total	2,961.09	
Direct Labor	1,835.40	
Labor Total	1,835.40	
Subcontractors		
General Expenses		
Total Cost	4,796.49	
Adjustment Markup	719.47	15.000
Total Markup	719.47	15.000
Selling Price	5,515.96	
Final Price	5,515.96	

Item 4.1.2.
ADD - \$ 5,516⁰⁰

	Description	Quantity	Unit	Net Cost	Labor	Unit	Total Material	Total Hour
1	# 1 RHW-USE BLACK	-210	M	2,442.06	20.25	M	-512.83	-4.25
2	#1/0 RHW-USE BLACK	-380	M	3,114.88	21.30	M	-1,183.65	-8.09
3	#3/0 RHW-USE BLACK	-90	M	4,892.88	28.20	M	-440.36	-2.54
4	#4/0 RHW-USE BLACK	635	M	6,110.84	32.40	M	3,880.38	20.57
5	Ultium 3 Battery Plant Lift Station Bid Pack # 2	1	E	0.00	0.00	E	0.00	0.00
6	Superior Job # 21500	1	E	0.00	0.00	E	0.00	0.00
7	Proposal Request # 3 : Revised Electrical Scope	1	E	0.00	0.00	E	0.00	0.00
8	5. Revised Sheet E-004	1	E	0.00	0.00	E	0.00	0.00
9	5.1.2 Modify Conduit & Wire for Upsize to 200An	1	E	0.00	0.00	E	0.00	0.00
10	Wire Size Changes Only	1	E	0.00	0.00	E	0.00	0.00
11	From LBWL T-Former to Meter	1	E	0.00	0.00	E	0.00	0.00
12	From Meter to 200Amp Breaker	1	E	0.00	0.00	E	0.00	0.00
13	From 200Amp Breaker to Main Control Pnl	1	E	0.00	0.00	E	0.00	0.00
14	From Man. Trans. Sw. to Gen Plug	1	E	0.00	0.00	E	0.00	0.00
15	From MCP to New Generator	1	E	0.00	0.00	E	0.00	0.00
16	Conduit Sizes Remained the Same	1	E	0.00	0.00	E	0.00	0.00
	Totals	-33					1,743.54	5.69

	Labor Type	Crew	Hours	Rate \$	Total
1	ELECTRICIAN	1.00	5.69	95.00	540.55
	Totals	1.00	5.69	95.00	540.55

	Subcontractors	Alarm	Cost	Total
10	INTERNAL EXCAVATION \$10/FT	Alarm		
16	TESTING	Alarm		
	Totals			

	General Expenses	Alarm	Quantity	Cost/Unit	Total Cost	Total
1	SPECIFIED ALLOWANCES	Alarm	1.00			
2	PERMIT (\$3K / Mil)	Alarm	1.00			
10	PARKING	Alarm	1.00			
12	RENTALS (Sizzor Lift \$375/ Mon)	Alarm	1.00			
14	TEMPORARY LIGHTING (\$3.5K/ Mi	Alarm	1.00			
15	TEMPORARY POWER (\$3.5K / Mil)	Alarm	1.00			
	Totals					

	Quoted Materials	Alarm	Cost
1	LIGHTING FIXTURES	Alarm	
2	DISTRIBUTION	Alarm	
4	FIRE ALARM	Alarm	
	Totals		

Final Pricing	Calculated (\$)	Calculated (%)
Database Material (Extension)	1,743.54	
Quoted Material		
Material Tax	104.61	6.000
Material Total	1,848.15	
Direct Labor	540.55	
Labor Total	540.55	
Subcontractors		
General Expenses		
Total Cost	2,388.70	
Adjustment Markup	358.31	15.000
Total Markup	358.31	15.000
Selling Price	2,747.01	
Final Price	2,747.01	

S.I.Z.
TOTAL ADD - \$ 2,747

	Description	Quantity	Unit	Net Cost	Labor	Unit	Total Material	Total Hour
1	# 3 4C CORD - SOOW 90 DEG 100A CORD	-35	M	12,175.66	105.00	M	-426.15	-3.67
2	# 3/0 4C CORD - SOOW 90 DEG 200A CORD	35	M	28,586.34	130.50	M	1,000.52	4.57
3	Ultium 3 Battery Plant Lift Station Bid Pack # 2	1	E	0.00	0.00	E	0.00	0.00
4	Superior Job # 21500	1	E	0.00	0.00	E	0.00	0.00
5	Proposal Request # 3 : Revised Electrical Scope	1	E	0.00	0.00	E	0.00	0.00
6	5. Revised Sheet E-004	1	E	0.00	0.00	E	0.00	0.00
7	5.1.3 Modify Service Entrance Breaker	1	E	0.00	0.00	E	0.00	0.00
8	5.1.3 Modify Manual Transfer Switch	1	E	0.00	0.00	E	0.00	0.00
9	Change From 100Amp to 200Amp	1	E	0.00	0.00	E	0.00	0.00
10	5.1.3. Modify Temp Generator Plug Assembly	1	E	0.00	0.00	E	0.00	0.00
11	Base Bid Manual Transfer Switch	-1	E	10,235.00	0.00	E	-10,235.00	-0.00
12	PR # 3 Manual Transfer Switch	1	E	11,185.00	0.00	E	11,185.00	0.00
13	Base Bid Temp Gen. Plus Assembly	-1	E	1,425.90	0.00	E	-1,425.90	-0.00
14	PR # 3 Temp Gen. Plug Assembly	1	E	1,895.46	0.00	E	1,895.46	0.00
15	BASE BID Eaton Gear 100Amp Package	-1	E	8,668.12	0.00	E	-8,668.12	-0.00
16	PR #3 Eaton Gear 200Amp Package	1	E	12,598.52	0.00	E	12,598.52	0.00
	Totals	8					5,924.33	0.89

	Labor Type	Crew	Hours	Rate \$	Total
1	ELECTRICIAN	1.00	0.89	95.00	84.55
	Totals	1.00	0.89	95.00	84.55

	Subcontractors	Alarm	Cost	Total
10	INTERNAL EXCAVATION \$10/FT	Alarm		
16	TESTING	Alarm		
	Totals			

	General Expenses	Alarm	Quantity	Cost/Unit	Total Cost	Total
1	SPECIFIED ALLOWANCES	Alarm	1.00			
2	PERMIT (\$3K / Mil)	Alarm	1.00			
10	PARKING	Alarm	1.00			
12	RENTALS (Sizzor Lift \$375/ Mon)	Alarm	1.00			
14	TEMPORARY LIGHTING (\$3.5K/ Mi)	Alarm	1.00			
15	TEMPORARY POWER (\$3.5K / Mil)	Alarm	1.00			
	Totals					

	Quoted Materials	Alarm	Cost
1	LIGHTING FIXTURES	Alarm	
2	DISTRIBUTION	Alarm	
4	FIRE ALARM	Alarm	
	Totals		

Final Pricing	Calculated (\$)	Calculated (%)
Database Material (Extension)	5,924.33	
Quoted Material		
Material Tax	355.46	6.000
Material Total	6,279.79	
Direct Labor	84.55	
Labor Total	84.55	
Subcontractors		
General Expenses		
Total Cost	6,364.34	
Adjustment Markup	954.65	15.000
Total Markup	954.65	15.000
Selling Price	7,318.99	
Final Price	7,318.99	

S.1.3
TOTAL ADD - \$ 7,319

BASE BID : ROOMS BASED EQUIPMENT



Expiration Date: 12/02/22

A MEMBER OF THE KENDALL GROUP

Quotation

TO:

SUPERIOR ELECTRIC ** LANSING MI
Attn:MICHAEL HULL JR.
212 W SHERIDAN RD
LANSING, MI 48906-2340

Project Info:

Project: GM Lift Station Ultium Battery Plant
Job #: 25084
Bid Date: 11/02/22
Bid Time: 02:00 PM EDT
Quoter: MICK HEILER, 1707-ELAN

Type	Quantity	Vendor	Description	Unit or Lot#	Unit Price	Ext Price
	1	EATON CO	SPC160480D3P Side Mounted SPDs	EATON	8,668.118	8,668.12
	1	EATON CO	DT363URK Safety Switches	EATON		
	1	EATON CO	RNHFDE316032L Enclosed Breakers	EATON		
	0		*****	Unit	0.000/EA	0.00
	1	Stock	ADJA1034-150 APP 100 AMP STYLE 2 RECEPT., 1-1/2" HUB	Unit	798.060/e	798.06
	1	Stock	ACP1034CD APP 3W-4P 100A NEMA 3R/4X PIN/SLEEVE PLUG	Unit	627.843/e	627.84

This quotation is an offer to sell you the goods or services described herein on the terms set forth above and on our Terms and Conditions of Sale which are available at https://www.kendallgroup.com/legal/t_and_c_sale. Your order of any goods or services identified in this quotation constitutes your acceptance of our standard Terms and Conditions of Sale. We object to any different or additional terms and reject any prior offers we received from

Superior ORB # 21500
ULTIUM 3 GPT STATION
BID PRICE # 2

From:

KENDALL ELECTRIC INC
Main 517-322-2411
7633 LANAC ST
LANSING, MI 48917-9517
Printed By: KAMARYN SCHNARR,
1723-ELAN

Notes

**** TAXES NOT INCLUDED ****
**NOTE: THIS BID MAY BE AMENDED WITHOUT
PENALTY OR CHARGE DUE TO COVID-19**

Project: GM Lift Station Ultium Battery Plant

Expiration **12/02/22**

Quotation

Type	Quantity	Vendor	Description	LOT #	Unit Price	Ext Price
------	----------	--------	-------------	-------	------------	-----------

you. Prices expire on and are subject to change after thirty (30) days. Wire, conduit & pipe pricing valid for the date of the quotation only. Opened, special order or non-stock items may not be returnable.

THANKS MICK!

PLEASE PROVIDE SUBMITTAL CUT SHEETS, BY SPEC. SECTION FOR APPROVAL.

APPROVAL.

THANKS!

SAMPLES 12/19/2022

From:

KENDALL ELECTRIC INC
Main 517-322-2411
7633 LANAC ST
LANSING, MI 48917-9517
Printed By: KAMARYN SCHNARR,
1723-ELAN

Total

10,094.02

Notes

**** TAXES NOT INCLUDED ****
NOTE: THIS BID MAY BE AMENDED WITHOUT PENALTY OR CHARGE DUE TO COVID-19

PR # 31 REVISED TO 200 AMP RATED EQUIPMENT



A MEMBER OF THE KENDALL GROUP

Order #: S112675853

Order Acknowledgment

TO:

SUPERIOR ELECTRIC ** LANSING MI
Attn: MARK STYGLES
212 W SHERIDAN RD
LANSING, MI 48906-2340

Project Info:

Project: GM Lift Station Ultium Battery Plant
Job #: 25084
Order Date: 02/16/23
PO#: 21500-0001
Quoter: MICK HEILER, 1707-ELAN
Project Mgr: MICK HEILER, 1707-ELAN

Type	Quantity	Vendor	Description	Unit or Lot#	Unit Price	Ext Price
	1	EATON CO	SPC160480D3P Side Mounted SPDs	EATON	12,598.525	12,598.52
	1	EATON CO	DT364UWK Safety Switches	EATON		
	1	EATON CO	W23H225D1J Enclosed Breakers	EATON		

This is an acknowledgement of your acceptance of our offer to sell you the goods or services described herein on the terms set forth above and on our Terms and Conditions of Sale which are available at https://www.kendallgroup.com/legal/t_and_c_sale. We object to any additional or different terms, including any attached to, included on, or referenced in your order, and we reject any prior offers we received from you. Past due invoices are subject to a 1.5% late charge (18% per annum).

From:

KENDALL ELECTRIC
Main 517-322-2411
7633 LANAC ST
LANSING, MI 48917-9517
Printed By: MICK HEILER, 1707-ELAN

Total

12,598.52

Notes

**** TAXES NOT INCLUDED ****
THANK YOU - WE APPRECIATE YOUR BUSINESS!

PL# 3: REVERSE TO 200 AMP RATED EQUIPMENT



A MEMBER OF THE KENDALL GROUP

KENDALL ELECTRIC
7633 LANAC ST
LANSING MI 48917-9517
517-322-2411 Fax 517-322-0743

Sold To: 2759
SUPERIOR ELEC GENERAL
212 W SHERIDAN RD
LANSING, MI 48906-2340

Ship To: 86433
SUPERIOR ELEC GENERAL
212 W SHERIDAN RD
LANSING, MI 48906-2340

Quotation S112675826

Order Date: 02/16/23	
Terms: 1% 10TH PROX NET 25TH	
Customer PO#	Release #
21500-0001	
Ordered By: MARK	
Phone: 517-485-7125	

Warehouse	Ship Via	Freight Allowed	Account Manager	Inside Salesperson		
EKDC	ELAN33	Out: No In: No	JEFFREY PASCH, 1726-ELAN	MICK HEILER, 1707-ELAN		
Cust Ln #	Order Qty	ID #	Description	Req Date	Price / UOM	Ext Amount
	1ea	2321744	ADJA20034-200 APP FC 200A RECEPT & UNILET ASSY 78138161261	02/16/23	1102.826/e	1,102.83
	1ea	2063181	AP20034E APP 200 AMP PLUG ASSEM 4P S2 2.500	02/16/23	792.634/e	792.63
*** TAXES NOT INCLUDED ***						

This quotation is an offer to sell you the goods or services described herein on the terms set forth above and on our standard Terms and Conditions of Sale, which are available at http://www.kendallgroup.com/legal/t_and_c_sale or by calling 800-532-5422. Your order of any goods or services identified in this quotation constitutes your acceptance of our standard Terms and Conditions of Sale. We object to any different or additional terms and reject any prior offers we received from you. Wire, conduit & pipe pricing valid for 02/16/2023 only. Open, special order or non-stock items may not be returnable. Prices expire on, and are subject to change after, 03/18/2023 unless otherwise stated on our quotation, cover page, or e-mail.

Subtotal	1895.46
S&H CHGS	TBD
Sales Tax	TBD
Amount Due	1895.46

March 13, 2023

Prepared by

Kevin Kikkert
 (616) 333-9684
 kevin.kikkert@cummins.com

We are pleased to provide you this quotation based on your inquiry.

Item	Description	Qty
GEN	<p>C100N6, 100kW, 60Hz, Standby, Natural Gas/Propane Genset U.S. EPA, Stationary Emergency Application C100N6, 100kW, 60Hz, Standby, Natural Gas/Propane Genset Duty Rating - Standby Power (ESP) Emissions Certification - SI, EPA, Emergency, Stationary, 40CFR60 Listing - UL 2200 NFPA 110 Type 10 Level 1 Capable HCAI (formerly OSHPD) Seismic Pre-Approval Certification Cert - Seismic, IBC2000, IBC2003, IBC2006, IBC2009, IBC2011 Exciter/Reg - Torque Match Voltage - 277/480, 3 Phase, Wye, 4 Wire Alternator - 60Hz, 12L, 480/277V, 105C, 40C Ambient, Increased Motor Starting (IMS) Alternator Heater, 120 Volt AC Aluminum Sound Attenuated Level 2 Enclosure, with Exhaust System Enclosure Color - Green, Aluminum Enclosure - Wind Load 180 MPH, ASCE7 - 10 Larger Battery Rack Skidbase - Housing Ready Control Mounting - Left Facing PowerCommand 2.3 Controller Gauge - Oil Pressure AmpSentry™ UL Listed Protective Relay Stop Switch - Emergency Relays - Auxiliary, Qty 2, 25A - 15V DC/10A - 30V DC Control Display Language - English Load Connection - Single Circuit Breaker, Location A, 70A - 250A, 3P, LSI, 600 Volts AC, 100%, UL Engine Governor - Electronic, Isochronous Single Gas Fuel - NG or LP Vapor Engine Starter - 12 Volt DC Motor Engine Air Cleaner - Normal Duty Battery Charging Alternator Battery Charger - 6 Amp, Regulated Engine Cooling - Radiator, High Ambient Air Temperature, Ship Fitted Shutdown - Low Coolant Level Extension - Coolant Drain Engine Coolant - 50% Antifreeze, 50% Water Mixture Coolant Heater, Extreme Cold Ambient Engine Oil Heater - 120 Volts AC, Single Phase Engine Oil Genset Warranty - 2 Years Base Literature - English</p>	1



Packing - Skid, Poly Bag Extension - Oil Drain Green Sound Level 2 Intake Baffle - Ship Loose Sound Level2 Baffle, Shipped Loose 12VDC Engine Starting Battery - 700CCA Fuel Strainer-Natural Gas, 1 1/4"NPT Inlet/Outlet Annunciator-panel mount with enclosure (RS485) Delivery of Equipment to Jobsite Service - Travel Time & Mileage, Start Up Labor with Load Bank Testing, and Personnel Training Preventive Maintenance Agreement - One Year, Annual Service	
--	--

TOTAL (not including tax): \$ 39,610.00

BASC 100 → **TOTAL TO ADD NON-AUTOMATIC 150A TRANSFER SWITCH (not including tax): \$ 10,235.00**

PR# 3 → **TOTAL TO ADD NON-AUTOMATIC 225A TRANSFER SWITCH (not including tax): \$ 11,185.00**

Upon resolution of the double throw safety switch for the Manual Transfer Switch, this amount will be deduct.

NOTES:

Proposal is for equipment only, offloading, rigging, and installation by others.
Fuel and permits, unless listed above, is not included.
Cummins Standard Start-up and testing is included. Additional tests, such as NETA testing, if required, is by others
Coordination Study not provided.



Please feel free to contact me if you require any additional information; or if you have any further questions or concerns that I may be of assistance with.

Thank you for choosing Cummins.

Submitted by:

Brandon VanderWest, Senior Sales Representative
brandon.vanderwest@cummins.com
(616) 204-4995

SUBMITTALS. An order for the equipment covered by this quotation will be accepted on a hold for release basis. Your order will not be released and scheduled for production until written approval to proceed is received in our office. Such submittal approval shall constitute acceptance of the terms and conditions of this quotation unless the parties otherwise agree in writing.

THERE ARE ADDITIONAL CONTRACT TERMS AND CONDITIONS ATTACHED TO THIS QUOTATION, INCLUDING LIMITATIONS OF WARRANTIES AND LIABILITIES, WHICH ARE EXPRESSLY INCORPORATED HEREIN. BY ACCEPTING THIS QUOTATION, CUSTOMER ACKNOWLEDGES THAT THE CONTRACT TERMS AND CONDITIONS HAVE BEEN READ, FULLY UNDERSTOOD AND ACCEPTED.

Authorized Signature

Date

Company Name

Printed Name & Title

Purchase Order No

<Rest of the page is intentionally left blank>

	Description	Quantity	Unit	Net Cost	Labor	Unit	Total Material	Total Hour
1	Ultium 3 Battery Plant Lift Station Bid Pack # 2	1	E	0.00	0.00	E	0.00	0.00
2	Superior Job # 21500	1	E	0.00	0.00	E	0.00	0.00
3	Proposal Request # 3 : Revised Electrical Scope	1	E	0.00	0.00	E	0.00	0.00
4	5. Revised Sheet E-004	1	E	0.00	0.00	E	0.00	0.00
5	5.1.4. Modify Generator to 100 KW	1	E	0.00	0.00	E	0.00	0.00
6	Base Bid Generator is 100 KW	1	E	0.00	0.00	E	0.00	0.00
7	Please see Attached Load Sheets	1	E	0.00	0.00	E	0.00	0.00
8	Add the 3rd Pump the Base Bid Generator will C	1	E	0.00	0.00	E	0.00	0.00
	Totals	8					0.00	0.00

	Subcontractors	Alarm	Cost	Total
10	INTERNAL EXCAVATION \$10/FT	Alarm		
16	TESTING	Alarm		
	Totals			

	General Expenses	Alarm	Quantity	Cost/Unit	Total Cost	Total
1	SPECIFIED ALLOWANCES	Alarm	1.00			
2	PERMIT (\$3K / Mil)	Alarm	1.00			
10	PARKING	Alarm	1.00			
12	RENTALS (Sizzor Lift \$375/ Mon)	Alarm	1.00			
14	TEMPORARY LIGHTING (\$3.5K/ Mi	Alarm	1.00			
15	TEMPORARY POWER (\$3.5K / Mil)	Alarm	1.00			
	Totals					

	Quoted Materials	Alarm	Cost
1	LIGHTING FIXTURES	Alarm	
2	DISTRIBUTION	Alarm	
4	FIRE ALARM	Alarm	
	Totals		

	Final Pricing	Calculated (\$)	Calculated (%)
	Quoted Material		
	Subcontractors		
	General Expenses		
	Final Price		



Power Generation

PR # 3 UPDATED
GENERATOR INFO

Recommended Generator Report - C100 N6
Project - Ultium Battery Plant Pump Station
Comments -

THIS VERIFIES THE ORIGINAL
GENERATOR WILL HANDLE THE
THIRD PUMP ADDED

Project Requirements

Frequency, Hz	: 60.0	Generators Running in Parallel	: 1
Duty	: Standby	Site Altitude, ft(m)	: 361(110)
Voltage	: 277/480, Series Wye	Site Temperature, °C	: 25
Phase	: 3	Max. Altr Temp Rise, °C	: 125
Fuel	: NaturalGas	Project Voltage Distortion Limit, %	:
Emissions	: EPA, stationary emergency application		

Calculated Individual Generator Set Load Running and Peak Requirements

Running kW	: 54.9	Max. Step kW	: 36.6 In Step 1	Cumulative Step kW	: 70.5
Running kVA	: 62.1	Max. Step kVA	: 123.0 In Step 1	Cumulative Step kVA	: 161.1
Running PF	: 0.88	Peak kW	: None	Cumulative Peak kW	: None
Running NLL kVA	: 0.0	Peak kVA	: None	Cumulative Peak kVA	: None
Alternator kW	: 54.85			Pct Rated Capacity	: 55.0

Generator Set Configuration

Alternator	: UC3D	Engine	: QSJ5.9G-G3
BCode	: BB95	Fuel	: NaturalGas
Excitation	: Shunt	Displacement, cu in. (Litre)	: 359.0(5.9)
Voltage Range	: 480/277V	Cylinders	: 6
Number of Leads	: 12	Altitude Knee, ft(m)	: 1600(488)
Reconnectable	: Yes	Altitude Slope, % per 1000ft(304.8m)	: 4
Full Single Phase Output	: No	Temperature Knee, °F(°C)	: 77(25)
Increased Motor Starting	: No	Temperature Slope, % per 18°F(10.0°C)	: 2
Extended Stack	: No	Emissions	: EPA NSPS Part 60
		Cooling Package	:

Set Performance Load Requirements

Running At	: 55.0% Rated Capacity	Max. Allowed Step Voltage Dip	: 35 In Step 1
Max. Step Voltage Dip, %	: 13	Max. Allowed Step Frequency Dip	: 10 In Step 1
Max. Step Frequency Dip, %	: 7	Peak Voltage Dip Limit %	: 35.0
Peak Voltage Dip, %	:	Peak Frequency Dip Limit %	: 10
Peak Frequency Dip, %	:	Running kW	: 54.9
Site Rated Standby kW/kVA	: 100 / 125	Running kVA	: 62.1
Site Rated Max. SkW	: 104	Effective Step kW	: 64.5
Max. SkVA	: 360	Effective Step kVA	: 161.1
Temp Rise at Full Load, °C	: 105	Percent Non-Linear Load	: 0.0
Voltage Distortion	:	Voltage Distortion Limit	:
Site Rated Max Step kW Limit	:	Max Step kW	:

*Note: Higher temperature rise at full rated load.

*Note: All generator set power derates are based on open generator sets.

Note: GenSize output for lean burn natural gas generator sets is based on tests using natural gas with LHV of 33.44 MJ/Nm3 (905 BTU/ft3), and coolant return temperatures within the stated data sheet limits. For operation on gas with lower heating values or with MI lower than stated Data Sheet limit or coolant return temperatures greater than Data Sheet limits, consult application engineering.



Loads Summary Report

Project - Ultium Battery Plant Pump Station

Comments -

Project Requirements

Frequency, Hz	: 60.0	Generators Running in Parallel	: 1
Duty	: Standby	Site Altitude, ft(m)	: 361(110)
Voltage	: 277/480, Series Wye	Site Temperature, °C	: 25
Phase	: 3	Max. Afr Temp Rise, °C	: 125
Fuel	: NaturalGas	Project Voltage Distortion Limit, %	:
Emissions	: EPA, stationary emergency application		

Loads Summary List

*Note: Detailed Loads and Step Report available below

Step No.	Load Name	Quantity	Running		Starting		Peak		Dip Limits, %		VTHD% Limit
			kW	kVA	kW	kVA	kW	kVA	Vdip	Fdip	
Step01	Miscellaneous Load - 5kva	1	4.0	5.0	4.0	5.0	None	None	35.0	10.0	0.0
Step01	Pump 1, 2 & 3 - 20 HP	1	16.95	19.04	32.57	118.0	None	None	35.0	10.0	0.0
Step Summary			21.0	24.0	37.0	123.0	None	None	35.0	10.0	0.0
Step02	Pump 1, 2 & 3 - 20 HP	1	16.95	19.04	32.57	118.0	None	None	35.0	10.0	0.0
Step Summary			17.0	19.0	33.0	118.0	None	None	35.0	10.0	0.0
Step03	Pump 1, 2 & 3 - 20 HP	1	16.95	19.04	32.57	118.0	None	None	35.0	10.0	0.0
Step Summary			17.0	19.0	33.0	118.0	None	None	35.0	10.0	0.0
Project Summary			Running		Max Starting		Cumulative Step		Cumulative Peak		Project VTHD% Limit
			kW	kVA	kW	kVA	kW	kVA	kW	kVA	
			54.9	62.1	36.6	123.0	70.5	161.1	0.0	0.0	0.0

*Note: Detailed Loads and Step Report available below



Loads and Steps Detail Report

Project - Ultium Battery Plant Pump Station

Comments -

Project Requirements

Frequency, Hz	: 60.0	Generators Running in Parallel	: 1
Duty	: Standby	Site Altitude, ft(m)	: 361(110)
Voltage	: 277/480, Series Wye	Site Temperature, °C	: 25
Phase	: 3	Max. Altr Temp Rise, °C	: 125
Fuel	: NaturalGas	Project Voltage Distortion Limit, %	:
Emissions	: EPA, stationary emergency application		

Calculated Individual Generator Set Load Running and Peak Requirements

Running kW	: 54.9	Max. Step kW	: 36.6 In Step 1	Cumulative Step kW	: 70.5
Running kVA	: 62.1	Max. Step kVA	: 123.0 In Step 1	Cumulative Step kVA	: 161.1
Running PF	: 0.88	Peak kW	: None	Cumulative Peak kW	: None
Running NLL kVA	: None	Peak kVA	: None	Cumulative Peak kVA	: None
Alternator kW	: 54.85				

Step1

Calculated Individual Generator Set Step Load Requirements

Running kW	: 21.0	Starting kW	: 37.0	Cumulative Step kW	: 37.0
Running kVA	: 24.0	Starting kVA	: 123.0	Cumulative Step kVA	: 123.0
Running Amps	: 29.0	Starting Non-linear kVA	: 0.0		
Running Non-linear kVA	: 0.0				
Alternator kW	: 20.95				
Voltage Distortion Limit for step	: 0				

Miscellaneous Load - 5kva		Three Phase	Quantity	: 1 In this Step
Category	: User Defined			

Running kW	: 4.0	Starting kW	: 4.0	Peak kW	: None
Running kVA	: 5.0	Starting kVA	: 5.0	Peak kVA	: None
Running PF	: 0.8	Starting PF	: 0.8	Cyclic	: No
Running Amps	: 6.02	Max. % Voltage Dip	: 35.0	Max. % Frequency Dip	: 10.0
Alternator kW	: 4.0			Voltage	: 480

Pump 1, 2 & 3 - 20 HP		Three Phase	Quantity	: 1 In this Step
Category	: Motor			

Running kW	: 16.95	Starting kW	: 32.57	Peak kW	: None
Running kVA	: 19.04	Starting kVA	: 118.0	Peak kVA	: None
Running PF	: 0.89	Starting PF	: 0.46	Cyclic	: No

Running Amps	: 22.93	Max. % Voltage Dip	: 35.0	Max. % Frequency Dip	: 10.0
Alternator kW	: 16.95			Voltage	: 480
Shaft Hp	: 20.0	Method	: Across the line		
Shaft kW	: 14.92	Low Inertia	: Yes		
Efficiency (%)	: 0.88	LRkVA Factor	: 5.9		
Design	: Standard NEMA Design B,C or D	LRkVA Code	: G		
Load Factor	: 100.0				

Step2

Calculated Individual Generator Set Step Load Requirements

Running kW	: 17.0	Starting kW	: 33.0	Cumulative Step kW	: 54.0
Running kVA	: 19.0	Starting kVA	: 118.0	Cumulative Step kVA	: 142.0
Running Amps	: 23.0	Starting Non-linear kVA	: 0.0		
Running Non-linear kVA	: 0.0				
Alternator kW	: 16.95				
Voltage Distortion Limit for step	: 0				

Pump 1, 2 & 3 - 20 HP		Three Phase	Quantity	: 1 In this Step
Category	: Motor			

Running kW	: 16.95	Starting kW	: 32.57	Peak kW	: None
Running kVA	: 19.04	Starting kVA	: 118.0	Peak kVA	: None
Running PF	: 0.89	Starting PF	: 0.46	Cyclic	: No
Running Amps	: 22.93	Max. % Voltage Dip	: 35.0	Max. % Frequency Dip	: 10.0
Alternator kW	: 16.95			Voltage	: 480
Shaft Hp	: 20.0	Method	: Across the line		
Shaft kW	: 14.92	Low Inertia	: Yes		
Efficiency (%)	: 0.88	LRkVA Factor	: 5.9		
Design	: Standard NEMA Design B,C or D	LRkVA Code	: G		
Load Factor	: 100.0				

Step3

Calculated Individual Generator Set Step Load Requirements

Running kW	: 17.0	Starting kW	: 33.0	Cumulative Step kW	: 70.0
Running kVA	: 19.0	Starting kVA	: 118.0	Cumulative Step kVA	: 161.0
Running Amps	: 23.0	Starting Non-linear kVA	: 0.0		
Running Non-linear kVA	: 0.0				
Alternator kW	: 16.95				
Voltage Distortion Limit for step	: 0				

Pump 1, 2 & 3 - 20 HP		Three Phase	Quantity	: 1 In this Step
Category	: Motor			

Running kW	: 16.95	Starting kW	: 32.57	Peak kW	: None
Running kVA	: 19.04	Starting kVA	: 118.0	Peak kVA	: None
Running PF	: 0.89	Starting PF	: 0.46	Cyclic	: No
Running Amps	: 22.93	Max. % Voltage Dip	: 35.0	Max. % Frequency Dip	: 10.0
Alternator kW	: 16.95			Voltage	: 480

Shaft Hp : 20.0
Shaft kW : 14.92
Efficiency (%) : 0.88
Design : Standard NEMA Design B,C or D
Load Factor : 100.0

Method : Across the line
Low Inertia : Yes
LRkVA Factor : 5.9
LRkVA Code : G



Steps and Dips Details Report

Project - Ultium Battery Plant Pump Station

Project Requirements

Frequency, Hz	: 60.0	Generators Running in Parallel	: 1
Duty	: Standby	Site Altitude, ft(m)	: 361(110)
Voltage	: 277/480, Series Wye	Site Temperature, °C	: 25
Phase	: 3	Max. Altr Temp Rise, °C	: 125
Fuel	: NaturalGas	Project Voltage Distortion Limit, %	:
Emissions	: EPA, stationary emergency application		

Calculated Individual Generator Set Load Running and Peak Requirements

Running kW	: 54.9	Max. Step kW	: 36.6 In Step 1	Cumulative Step kW	: 70.5
Running kVA	: 62.1	Max. Step kVA	: 123.0 In Step 1	Cumulative Step kVA	: 161.1
Running PF	: 0.88	Peak kW	: None	Cumulative Peak kW	: None
Running NLL kVA	: 0.0	Peak kVA	: None	Cumulative Peak kVA	: None
Alternator kW	: 54.85				

Generator Set Configuration

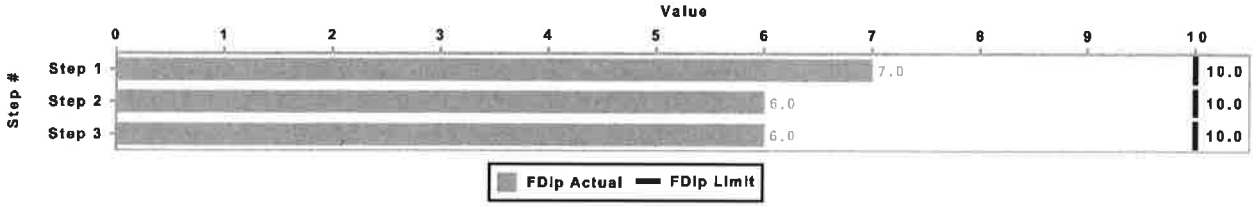
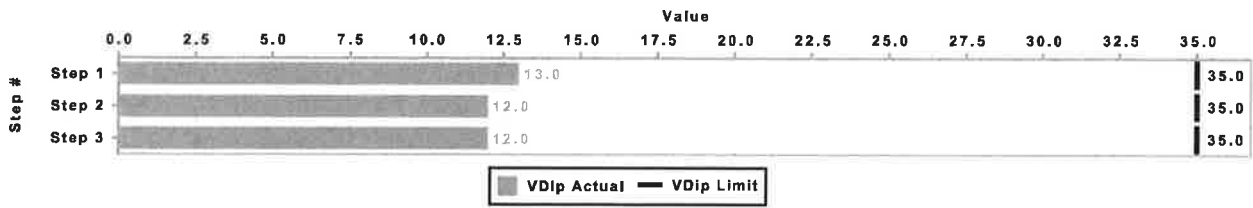
Model	: C100 N6	Alternator	: UC3D
Engine Model	: QSJ5.9G-G3	Excitation	: Shunt
Fuel	: NaturalGas		

Step Level Dips Summary

Step #	Voltage Dip Limit (%)	Expected Step Voltage Dip (%)	Voltage Recovery Time (s) **	Frequency Dip Limit (%)	Expected Frequency Dip (%)	Frequency recovery Time (s) **
1	35	13	2.4	10	7	3.9
2	35	12	2.2	10	6	2.8
3	35	12	2.2	10	6	2.8

Note: Please refer to the model Spec. sheet for bandwidths used to report recovery times. For products manufactured in the United Kingdom it may be assumed that recovery times are based on ISO8528-5 G2 class bandwidths. Voltage and frequency recovery times are estimates. Typically, allow five to ten seconds between application of load steps when designing your system.

**Please note that in some cases the voltage and frequency recovery time estimates are not shown in list. This is a result of "dummy" data points temporarily being used to fill data gaps in the GenSize database. Please disregard these blank results.



Mark Stygles

From: Patrick Dunigan II <Patrick@duniganbros.com>
Sent: Friday, March 17, 2023 10:32 AM
To: stygles@superiorelectricinc.com
Subject: Fwd: BP2 Proposal Request 3 pricing

Please see forwarded email. We need your official pricing and days needed for the change order.

Patrick Dunigan II
Dunigan Bros., Inc.

Begin forwarded message:

From: Jennifer Drinan <jennifer.drinan@ohm-advisors.com>
Date: March 17, 2023 at 7:24:44 AM PDT
To: Patrick Dunigan II <Patrick@duniganbros.com>
Cc: Barry Gates <Barry.Gates@ohm-advisors.com>, "gene.jones (gene.jones@tetrattech.com)" <gene.jones@tetrattech.com>
Subject: BP2 Proposal Request 3 pricing

Hi Patrick

What is the status on the pricing from Superior for Proposal Request 3? We need it ASAP to process a change order for approval at Delta's board meeting. The very last day I can get it is end of business Tuesday March 21.

Thanks,
Jennifer

JENNIFER DRINAN, PE
PRINCIPAL

OHM Advisors®
D (734) 466-4568 C (734) 323-8954 O (734) 522-6711
60 Years of *Advancing Communities®*

OHM-Advisors.com | [twitter](#) | [facebook](#) | [vimeo](#) | [linkedin](#)

Award Winning By Design: Engineering News-Record (ENR)'s Top 500 Design Firms, 2022 | Gallup Exceptional Workplace Award 2022 | Zv Group Hot Firm List, 2021 | Zweig Group Best Firms to Work For, 2021



Standard Status Report

Job Name:

GM LIFT STATION ULTIUM I

GO Num: SGR1322581

Cust: KENDALL ELECTRIC INC LANSING MI

P.O. Num: S112675853

Proj Engineer:

Karrie Uttech (828-651-0809)

Proj Coordinator:

Stephen Cohen (828-651-0809)

Report Run Date:

03/16/2023

LEGEND

Status: H = Hold, I = Invoiced, X = Canceled, O = Open (release for mfg.), S = Shipped, B= Backorder/Built to Order

Item	Suffix	Status	Qty	Description	Designation	Manufacturing and Shipping Information							
						Released for Mfg	Date Schd	Date Changed	Date ReSched	Date Shipped	Carrier	Pro #	Invoice #
002	Q74	B	1	DT364UWK		02/16/23	05/12/23						
003	CLT	O	1	W23H225D1J	SERVICE MAIN BREAKER	02/16/23	07/24/23						
004	QTE	B	1	PRLSEBPD2	SERVICE MAIN BREAKER	02/16/23	03/23/23						

→ PR # 3 BREAKER CHANGE

FYS¹ IS RELEASED THIS VIA THE RR RETURNED SUBMITTALS

Ⓢ THIS DATE IS SUBJECT TO CHANGE AT ANY POINT BETWEEN NOW AND 7/24/23.

Mark Stygles

From: Kevin Kikkert <kevin.kikkert@cummins.com>
Sent: Tuesday, March 14, 2023 8:29 AM
To: Mark Stygles
Cc: Brandon VanderWest
Subject: RE: Ultium 3 Battery Plant New Lift Station

Good Morning, Mark

The current estimated lead time for this switch model should be around 17-20 weeks from date of release. They ship from our plant in Mexico, so I have accounted for a week or so to get through customs.

If you need anything else, please let me know.

Thanks again.

Kevin Kikkert

Field Sales Representative - Commercial Power Generation
Northern United States

Cummins Inc.
3715 Clay Avenue SW
Grand Rapids, Michigan 49548

616-333-9684
kevin.kikkert@cummins.com

CONFIDENTIALITY NOTICE: This e-mail, including any attachments, is for the exclusive and confidential use of the intended recipient(s). If you are not an intended recipient, please do not read, distribute or take action in reliance upon this message. If you have received this in error, please notify the sender immediately by return e-mail and promptly delete this message and its attachments from your computer system.

From: Mark Stygles <Stygles@superiorelectricinc.com>
Sent: Monday, March 13, 2023 5:11 PM
To: Kevin Kikkert <kevin.kikkert@cummins.com>
Subject: RE: Ultium 3 Battery Plant New Lift Station

PATRICK,
- I WOULD SAY "BEST CASE" THIS
225AMP RATED MANUAL TRANSFER
SWITCH WILL SHIP 24 WEEKS
FROM APPROVAL.
- THESE TIME FRAMES OUR SUPPLIERS
ARE PROVIDING ARE BEST CASE
SCENARIOS. I HAVE YET TO HAVE
A SUPPLIER SET A DATE IN THE
LAST 1/2 YRS.
THANKS
3/1/23

EXTERNAL SENDER: This email originated outside of Cummins. Do not click links or open attachments unless you verify the sender and know the content is safe.

Kevin,

Once the 225Amp Manual Transfer Switch is approved and released.

- What would the Estimated Lead time to ship/delivery be?

Please let me know?

Thanks,



34000 Plymouth Road, Livonia, MI 48150
Telephone: 734.522.6711
Fax: 734.522.6427

PROPOSAL REQUEST 03

DISTRIBUTION

Owner - 1
Contractor - 1
Construction - 1

TO: Dunigan Bros., Inc.

911 E. South St.
Jackson, MI 49203

DATE: February 7, 2023

PROJECT: Delta Township
Bid Package 2
Ultium 3 Lift Station
4064-22-0020

Attn: Patrick Dunigan

INTENT: This is not a change order. This is a request to the Contractor for a lump sum price to modify the electrical service associated with changes to the lift station pumping capacity. The Ultium Lift Station is being revised due to changes in peak flow as estimated by GM/Ultium. The following items are to be included as part of this Proposal Request:

- The station will be a triplex submersible pump station with two pumps installed now and plumbed for the installation of the third pump in the future.
- The electrical service to the lift station is increased to 200 amps from the original 100 amp service. Conduit and wires have revised to accommodate this increase in power.
- The generator size has changed from 90 KW to 100 KW. Generator supplier to verify that the 100 KW generator already submitted is sized adequately based on the revised pump submittals.
- The Lansing Board of Water and Light (LBWL) will provide the transformer pad and incoming conduit and wire to the transformer. The Contractor shall provide the conduit and wire from the transformer to the meter. LBWL will make all terminations at the transformer.

PROPOSED CHANGES:

The Project Manual has been revised as described below. Additions within the technical specification have been bolded for reference and deletions are identified by text that is strikethrough.

1. Specification Section 01 10 00 – “Summary”. Remove and replace this section as issued as part of this Proposal Request.
2. Specification Section 43 25 13.00 – “Submersible Centrifugal Pumps”. Remove and replace this section as issued as part of this Proposal Request.

The following drawings have been revised as described below. . Changes are noted in with revisions clouds. Deleted work from the original bid documents (updated for addendums) are bubbled and hatched out. If a sheet is not listed below, no changes were made.

3. Revised Sheet C-102.
 - 3.1.1. Site Plan is revised for the 10-foot interior diameter (ID) of the wet well and the 12-foot by 9-foot interior dimensions of the valve vault.

4. Revised Sheet E-003.
 - 4.1.1. Delete the 250 LF of duct bank for BWL service and the transformer pad. **CREDS - (*50,000)**
 - 4.1.2. Add one vented tray and conduit and wiring to the control panel for the third pump. **ADD - *5,516**

5. Revised Sheet E-004.
 - 5.1.1. Delete the 250 LF of duct bank for BWL service and the transformer pad
 - 5.1.2. Modify conduit and wire for upsizing the service to 200A from 100A. **ADD - *2,747**
 - 5.1.3. Modify service entrance rated main circuit breaker and manual transfer switch to 200A. **ADD - *7,319**
 - 5.1.4. Modify generator to 100 KW. **- BASE 3RD GENERATOR WILL HANDLE 3RD PUMP**
 - 5.1.5. Modify conduit and wire for service upsize for service entrance rated main circuit breaker, manual transfer switch, and generator.

6. Revised Sheet E-005 and Sheet E-012.
 - 6.1.1. Add vented tray and wiring to the control panel for the third pump. The third pump will not be installed so termination of the manufacturer cable shall not be included.

7. Revised Sheet E-013.
 - 7.1.1. Delete the transformer pad. LBWL will provide the transformer pad and incoming conduit and wire to the transformer. The Contractor shall provide the conduit and wire from the transformer to the meter. LBWL will make all terminations at the transformer. LBWL Pad Detail attached for reference.

REASON FOR CHANGE:

Current and future flow rates as provided by GM and Ultium 3 Cells manufacturing facility have been modified. The lift station has been revised to a triplex station with two pumps installed initially and a third available for future installation. These modifications provide flexibility for future operations.

Will the work covered by this Proposal Request be completed within the original contract time: Substantial Completion by June 1, 2023, and Final Completion by July 15, 2023? If additional time is required, how many calendar days added for Substantial Completion _____?

Provide a detailed breakdown of the costs associated with this Proposal Request.

It is required that the spaces provided for the change in Contract amount, signature and date be filled in and returned to this office.

OHM Advisors

Jennifer Weiman

BY _____

1. Total Bid for Lump Sum Bid Price:

Dollars

(\$ _____).

BY _____

Dunigan Brothers, Inc.

DATE _____

Superior Electric
of Lansing, Inc.



Superior Results
Since 1950

212 West Sheridan Road
Lansing, MI 48906

Phone: 517-485-7125
Fax: 517-485-1507



**Commercial
Industrial**

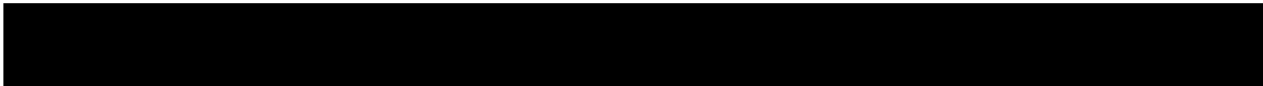
November 2, 2022

Proposal

Prime Contractors

Attn: Estimator

Re: ULTIUM 3 BATTERY PLANT – BID PACKAGE 2 ULTIUM 3 LIFT STATION



Alternate to include excavation & backfill & concrete for duct bank Add: \$50,000.00

Alternate to include electrical equipment pads Add:



General Conditions:

- 1) All applicable taxes are included in this submission.
- 2) The contractor shall not be held liable for errors or omissions in designs by others, nor inadequacies of materials and equipment specified or supplied by others.
- 3) Equipment and materials supplied by the contractor are warranted only to the extent that the same are warranted by the manufacturer.
- 4) The contractor shall not be liable for indirect loss or damage.
- 5) Unless included in this proposal, all bonding and/or special insurance requirements are supplied at additional cost.
- 6) If a formal contract is required, its conditions must not deviate from this proposal without our permission.
- 7) Anything (verbal or written) expressed or implied elsewhere, which is contrary to these conditions shall be null and void.

Respectfully,

Accepted By

Michael J. Hull

Authorized Agent

Date:

March 28, 2023

Mr. Ernest (Ernie) West, P.E.
Township Engineer
Delta Charter Township
7710 West Saginaw Hwy
Lansing, MI 48917

Regarding: **Ultium 3 Battery Lift Station and General Motors Pump Station Dual Forcemain
Amendment #5 – BP2 Ultium 3 Lift Station Revised Sanitary Flow Scope Modification
4064-22-0020**

Dear Mr. West:

OHM Advisors' original proposal for the Ultium Lift Station and new GM PS dual forcemain from the GM PS to Carrier Creek Interceptor east of I-69/I-96 was approved by the Township Board on May 3, 2022. The following amendments have been approved by the Township Board:

- Amendment #1 approved on August 8, 2022, included wetland delineation along the forcemain, traffic control design at the Millet and Canal intersection, and the detail design of the improvements at the existing LDT GM pump station to accommodate the flow from Ultium 3's proposed lift station.
- Amendment #2 approved on August 8, 2022, included the detailed design of the equalization basin at the LDT GM Pump Station site.
- Amendment #3 approved on November 22, 2022, for the construction phase services for the Bid Packages (BP) 1, 2, and 3.
- Amendment #4 approved on November 22, 2022, related to additional scope incurred primarily during the study phase and detail design of BP 2 Ultium 3 Lift Station.

After the bidding of BP 2 Ultium 3 Lift Station and the contractor commenced with submitting shop drawings for review and approval, Delta was notified by the GM team that the sanitary flow anticipated from Ultium 3 facilities had increased. Prior to April 14, 2022, GM provided an average day flow of 372 gpm (535,000 gpd) and a peak flow rate of 435 gpm (626,000 gpd) for the battery cell manufacturing facility that will need to be pumped to the existing GM PS. More recently, Ultium 3 provided a scenario where Ultium 3 produced an average day flow of 472 gpm (680,000 gpd), a peak flow rate of 680 gpm, and a maximum day volume of 748,000 gpd. These elevated flows are the design points for a build-out scenario.

The ultimate design will accommodate the demand's provided by GM. A summary of these flows is shown in the following table.



Flow Summary

	Original Ultium 3 Flow	Revised Pump Station Design Flow	Revised Build Out Ultium 3 Flow	Revised Build Out Pump Station Design Flow
Average Flow (gpm)	362	500	472	500
Peak Flow (gpm)	425	500	680	700

The flow revisions required the proposed forcemain and lift station to be re-evaluated and the lift station to be re-designed. The following is a summary of the major changes associated with the flow revisions:

- The 10” HDPE forcemain from the Ultium lift station to the LDT GM pump station was determined to be adequate for the flow revisions.
- The pump station was modified from a duplex station with a firm capacity of 500 gpm at 69 TDH to a triplex station with a firm capacity of 700 gpm at 95 TDH.
- The 8-foot diameter wet well was increased to a 10-foot diameter wet well to accommodate the third pump.
- The valve vault interior dimensions increased to 12-foot by 9-foot to accommodate the piping for three pumps.
- The electrical service to the Ultium 3 Lift Station was increase from 100 Amp to 200 Amp. This required revisions to the service entrance rated main circuit breaker, the manual transfer switch for a supplemental generator, the control panel, and the conduit and wire between these panels.
- The control panel, with the automatic transfer switch for the permanent generator, was also revised for the triplex station but this work is being performed directly by Delta Township.

The revision in anticipated sanitary flow impacted design and construction services. Items that resulted in additional effort included:

Pump Hydraulic Analysis

1. An analysis was performed to verify that the 10-inch force main being installed would be adequate.
2. The system curves were revised to reflect the increase in flow. Due to the increase in flow, a triplex station was determined to provide flexible operations. One pump would be able to pump the near term average daily flow and peak flow. When the flows increase, a third pump will be added so that two pumps are available for the anticipated future peak flows.
3. Coordination with the pump manufacturer to revise the pump selection. This resulted in using the same pump model as originally specified but increasing the motor size from 20 hp to 25 hp.

Design Services

1. Revised equipment layouts for the wet well and the valve vault for the new triplex equipment.
2. Evaluated availability and size of wet wells and valve vault precast concrete structures to accommodate the revised equipment layouts.
3. Increase in horsepower and number of pumps, resulted in the electrical service to the lift station to 200 amp service.



4. These changes required updates to the site, structural, process and electrical drawings. In addition, several specifications were revised.
5. The flow revisions required coordination with the Michigan Department of Environment, Great Lakes, and Energy (EGLE) and preparation of a revised Part 41 construction permit application.

Construction Services

1. The contractor had submittal product shop drawings based on the original design. These shop drawings had been reviewed by the engineer. Revised shop drawings were subsequently submitted and reviewed.
2. Three proposal requests were prepared to obtain pricing from the contractor for the design changes. The cost associated with these proposal requests were reviewed and negotiated.
3. Prepare change order to revise the contract for the three proposal requests.

OHM Advisors	\$36,466
Tetra Tech - Electrical	\$12,322
TOTAL	\$48,788

We appreciate your consideration of this additional scope and costs, which were performed to keep the project moving forward for this aggressive delivery schedule.

Please feel free to contact me at (734) 466-4548 should you have any questions regarding this Amendment.

Sincerely,
OHM Advisors

Robert Czachorski, P.E.
Principal

Jennifer Drinan, P.E.
Senior Project Manager



DELTA TOWNSHIP AUTHORITY
GM Ultium 3 Battery Lift Station and GM PS Forcemain
Amendment #5 – BP2 Ultium 3 Lift Station Revised Sanitary Flow Scope Modifications

Accepted By: _____

Printed Name: _____

Title: _____

Date: _____

PROJECT NAME

BP2 Ultium 3 LS Revised Sanitary Flow Scope Modifications

Additional Services/Tasks for Ultium 3 Lift Station	Jennifer Drinan Project Manager \$230	Sherri Wright Facility Engineer \$195	Sherri Wright Facility Engineer \$188	Mike Spurbeck Structural Engineer \$178	Nolan Pacitto Project Engineer \$152	Nolan Pacitto Project Engineer \$145	Chris Temple CAD Technician \$130	Total OHM	Tetra Tech Electrical Engineer \$245.92	Tetra Tech CAD \$111.32	Total Tetra Tech
---	---	---	---	---	--	--	---	--------------	---	-------------------------------	---------------------

Pump Hydraulic Analysis

Verification of capacity of 10" HDPE forcemain	1		4			4					
Prepare system curves for revised flows	4	6	5			5					
Coordination with pump manufacturers for revised sizing	5	3	2			3					
Total Hours	10	9	11	0	0	12	0	42	0	0	0
Task Costs	\$2,300	\$1,755	\$2,068	\$0	\$0	\$1,740	\$0	\$7,863	\$0	\$0	\$0

Design Services

Revise equipment layouts	5	14			4						
Evaluate size and availability of wet well and valve vault	4	2		8		2					
Revise electrical services for pumps and site									32	40	
Revise drawings for site, structural, process and electrical	8	4				2	40				
Part 41 revised permit application	8	5			6						
Total Hours	25	25	0	8	10	4	40	112	32	40	72
Task Costs	\$5,750	\$4,875	\$0	\$1,424	\$1,520	\$580	\$5,200	\$19,349	\$7,869	\$4,453	\$12,322

Construction Services

Re-review of shop drawings	4	12		4	6						
Prepare of Proposal Requests and price negotiation	14										
Prepare change order	5										
Total Hours	23	12	0	4	6	0	0	45	0	0	0
Task Costs	\$5,290	\$2,340	\$0	\$712	\$912	\$0	\$0	\$9,254	\$0	\$0	\$0

Total for BP2 Design

\$36,466

\$12,322



To: Supervisor Kenneth R. Fletcher and the Delta Township Board

From: Marcus Kirkpatrick, Parks, Recreation & Cemeteries Director

Date: March 30, 2023

Re: Fireworks Permit & Agreement

Attached, please find all the necessary information and application forms for the annual fireworks display at Sharp Park on July 3, 2023. We will not advertise a rain date this year. In the case of inclement weather preventing the display, the show will be given on an agreed upon date in 2023. This year's display is being coordinated entirely by the Parks, Recreation and Cemeteries Commission. The Commission, led by Paul L. Kelsey, is continuing to work with Night Magic Displays to provide this year's show. The charge for the fireworks display will be \$34,650. With the \$30,000 allocated in the Township's budget, the Commission is working to secure donations towards the event.

At this time, we are requesting approval of the agreement with Night Magic Displays and that the Fireworks Display Permit be issued. A copy of the agreement and permit are attached for your convenience. A copy of Night Magic Display's Certificate of Liability Insurance will be forwarded, shortly after the documents are signed.

Therefore, The Parks, Recreation and Cemeteries Commission recommends that the following motion be acted upon by the Township Board:

"We move that the Delta Township Board approve the request by Parks, Recreation and Cemeteries Commission be granted for a fireworks display on July 3, 2023, in the amount of \$34,650, with an agreed upon rain date (if needed), subject to acceptable weather conditions and an on-site inspection on the day of the display by the Fire Chief or his designee. Further, that the Township Manager be authorized to sign the attached permit & agreement with Night Magic Displays."

NIGHT MAGIC DISPLAYS

3999 Hupp Rd. Bldg R-3-1 La Porte IN 46350

219.393.5051

AGREEMENT

AGREEMENT made this 8th day of March 2023 by **Night Magic Displays**, by its authorized agent hereinafter referred to as "Seller" and (the) **Delta Charter Township** hereinafter referred to as "Buyer".

1. **SALE OF GOODS:** The Seller shall sell to the Buyer certain Fireworks Display(s) in accordance with the program (Bid) attached hereto which shall be incorporated herein. This Display will be given on the evening(s) of **July 3 2023**, weather permitting, it being understood that should any factor prevent the giving of any Display on the date mentioned herein, it will be given on the next agreed upon date in 2023. *see item 2.

2. **PURCHASE PRICE and PAYMENT:** Purchase price shall be \$ 34,650 Payment shall be made within 10 days after display is shot. A finance charge of one- and one-half percent per month will be assessed on all accounts overdue. If inclement weather or any other factors should prevent the giving of this display on the agreed upon date, the Buyer will have the option of fulfilling this agreement with a buyout of 40% of the agreed display amount to the Seller.

3. **CLAIMS:** Any claims for loss or damage, defective materials and or product or shortages in count, or for any other cause is waived by Buyer unless made within Three (3) days after delivery.

WARRANTIES: The Seller warrants that the displays and their contents are in conformity with the specifications set forth in the Bid. No other representations or warranties have been made by the Seller or relied upon by the Buyer. This warranty is expressly in lieu of any and all warranties expressed or implied.

4. **LIABILITY:** The Buyer further agrees to provide the following:

- a) Sufficient area for the Displays in accordance with the N.F.P.A. code of distances.
- b) Adequate Security Staff protection to prevent spectators from entering Display Area.
- c) Protection of the Display area by roping off or similar facility.
- d) Daylight inspection of Display site the day following the Display.
- e) State Permit for Fireworks Display where required.

5. **ADDITIONAL COVENANTS:**

- a) Seller agrees to furnish Pyrotechnicians for this Display. This includes labor for setup, firing, tear down of display and initial inspection and cleanup of Display area.
- b) Seller shall purchase insurance for the benefit of Seller and Buyer in the amount of \$10,000,000.00 for each display. Such insurance shall cover damage and personal injury resulting from any aspect of this contract.
- c) All individual entities listed on the Certificate of Insurance will be deemed an additional insured per this contract on a primary and non-contributory basis.

6. **BENEFIT:** This agreement shall be binding upon and inure to the benefit of the parties, their successors, and assigns.

IN WITNESS, WHEREOF THE PARTIES HERETO HAVE EXECUTED THIS AGREEMENT THIS _____

DAY OF _____, 2023.

NIGHT MAGIC DISPLAYS

By _____
Authorized Agent of SELLER

By _____
Authorized Agent of BUYER

Insurance certificate will be emailed to
address provided here by buyer

Printed Name

email address

Billing Address

City

State

Zip

2023 Permit for Fireworks Other than Consumer or Low Impact

Authority: 2011 PA 256	The LEGISLATIVE BODY OF CITY, VILLAGE OR TOWNSHIP BOARD will not discriminate against any individual or group because of race, sex, religion, age, national origin, color, marital status, disability, or political beliefs. If you need assistance with reading, writing, hearing, etc., under the Americans with Disabilities Act, you may make your needs known to this Legislative Body of City, Village or Township Board.
------------------------	---

This permit is not transferable. Possession of this permit authorizes the herein named person to possess, transport and display fireworks in the amounts, for the purpose of and at the place listed below only through permit expiration date.

TYPE OF PERMIT(S) (Select all applicable boxes) <input type="checkbox"/> Agricultural or Wildlife Fireworks <input type="checkbox"/> Articles Pyrotechnic <input checked="" type="checkbox"/> Display Fireworks <input checked="" type="checkbox"/> Public Display <input type="checkbox"/> Private Display <input type="checkbox"/> Special Effects Manufactured for Outdoor Pest Control or Agricultural Purposes	FOR USE BY LEGISLATIVE BODY OF CITY, VILLAGE OR TOWNSHIP BOARD ONLY. PERMIT(S) EXPIRATION DATE (ENTER DATE OF EXPIRATION)
--	--

NAME OF PERSON PERMIT ISSUED TO <u>Tony Nault</u>	AGE (18 YEARS OR OLDER) <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO
---	--

ADDRESS OF PERSON PERMIT ISSUED TO <u>5980 E. Hillcrest Drive, Eaton Rapids, MI 48827</u>

NAME OF ORGANIZATION, GROUP, FIRM OR CORPORATION <u>Night Magic Displays</u>

ADDRESS <u>3999 Hupp Road, Building R-3-1, LaPorte, IN 46350</u>

NUMBER AND TYPES OF FIREWORKS (Please attach additional pages if necessary) <div style="text-align: center; font-size: 1.2em;"> 1,023 pcs, 3-inch to 5-inch display shells 10 pcs Multi shot boxes </div>

EXACT LOCATION OF DISPLAY OR USE <u>Sharp Park</u>
--

CITY, VILLAGE, TOWNSHIP <u>Delta Charter Township</u>	DATE <u>7/3/23</u>	TIME <u>Dusk</u>
---	--------------------	------------------

BOND OR INSURANCE FILED <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	AMOUNT <u>\$10,000,000.00</u>
--	----------------------------------

Issued by action of the Legislative Body of a <input type="checkbox"/> City <input type="checkbox"/> Village <input type="checkbox"/> Township of _____ on the _____ day of _____ <div style="text-align: center; font-size: small;"> (Signature and Title of Legislative Body Representative) </div>

THIS FORM IS VALID UNTIL THE DATE OF EXPIRATION OF PERMIT

Delta Charter Township
Spectacular Fireworks!

July 03, 2023

\$34,650.00

REVISED 3.17.23 TO \$34,650.

Opening Barrage

Three Inch Display Shells

20 - Variegated Color Peony Finale Shells

Body Of Display

Three Inch Display Shells

72 - Guandu Assorted Color Shells

72 - Wizard Special Imported Shells

72 - Japanese Style Chrysanthemums

30 - Guandu Fancy Flight Shells

8 - Crackling Nishiki Kamuros in flight

8 - Assorted Ring Shells

8 - Red Strobe Waterfall in flight

8 - Brocade Crown Flight Shells

6 - Titanium Salute with Rising Tail

4 - Orange Strobe Waterfall Flight

4 - Smiley Face

4 - Yung Feng Japanese Style Shells

3 - Titanium Salutes with Rising Tails Shot in Flight

1 - Twitter Glitter

Four Inch Display Shells

- 72 - Guandu Assorted Shells
- 54 - Wizard Special Imported Shells
- 36 - Japanese Style Chrysanthemums
- 10 - Fancy Color & Effect Shells
 - 6 - Crackling Nishiki Kamuros in flight
 - 3 - Assorted Ring Shells
 - 3 - Red Strobe Waterfalls
 - 3 - Orange Strobe Waterfalls
 - 3 - Brocade Crowns in Flight
 - 1 - Blue Bees
 - 1 - Purple to Lemon Strobe
 - 1 - Red Bees
 - 1 - Silver Crossette
 - 1 - Twitter Glitter
 - 1 - Blue to Red Strobe
 - 1 - Crackling Willow
 - 1 - Flower Crown
 - 1 - Red Strobe Shell
 - 1 - White Strobe Shells

Five Inch Display Shells

- 36 - Guandu Assorted Shells
- 36 - Wizard Special Imported Shells
- 18 - Yuan Yang Japanese Style Shells
 - 5 - Fancy Color & Effect Shells
 - 3 - Crackling Nishiki Willows in flight
 - 3 - Brocade Crowns in Flight

- 2 - Yung Feng Japanese-Style Chrysanthemums
- 1 - Moving Blue Bees
- 1 - Green Windbell Flower
- 1 - Orange Star Waterfall
- 1 - Purple to Lemon Strobe
- 1 - Red Bees
- 1 - Red Strobe Waterfalls
- 1 - Twitter Glitter

Multishot Boxes

- 2 - 36 Shot 2.5" Brocade Crowns
- 2 - 36 Shot Assorted Colors w/tails
- 2 - 36 Shot 2.5" Color Peonies
- 2 - 50 Shot 2' Assorted Colors with silver tails
- 2 - 50 Shot 2" Titanium Salutes



The Grand Finale

144 - Three Inch Guandu Specialty Finale Shells

156 - Three Inch Wizard Multi-colored Finale Shells

48 - Three Inch Gold Brocade Finale Shells

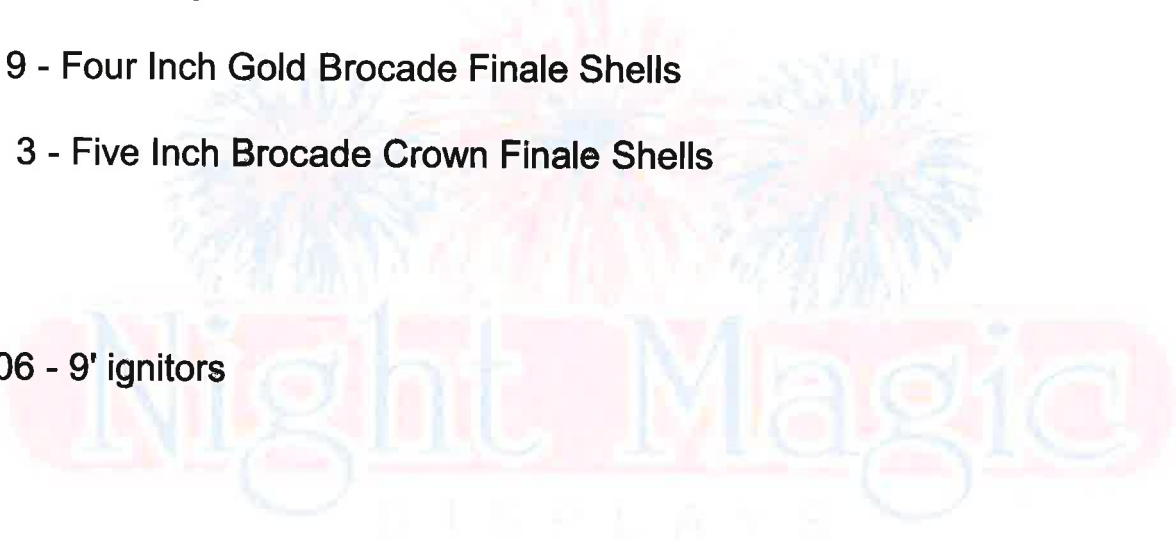
24 - Three Inch Titanium Salute Finale Shells

45 - Four Inch Grand Finale Bombshells consisting of Special Imported Chrysanthemums and Peonies

9 - Four Inch Gold Brocade Finale Shells

3 - Five Inch Brocade Crown Finale Shells

106 - 9' ignitors





Clerk's Office

(517) 323-8500

TO: Delta Township Board
DATE: March 20, 2023
FROM: Mary R. Clark, Township Clerk
RE: Amusement & Entertainment Permit – May 5 & 6, 2023

We are in receipt of an application from St. Gerard's Church for an Amusement & Entertainment permit for May 5 & 6, 2023. Attached is their letter of application for an Amusement & Entertainment Permit; the diagram of the layout of festival, the certificate of insurance, bond, and any staff comments submitted.

The applicant has complied with all information requested in the Ordinance for the permit. St. Gerard's has operated this festival at this location for dozens of years. St. Gerard's has in the past employed extra security with no incidents and will continue with the extra security as noted in their application.

Therefore, I recommend the Township Board adopt the following resolution:

"THE DELTA TOWNSHIP BOARD GRANT AN AMUSEMENT AND ENTERTAINMENT LICENSE TO ST. GERARD'S CHURCH TO HOLD THEIR ANNUAL FESTIVAL. THE FESTIVAL WILL RUN BETWEEN THE HOURS OF 12:00 P.M., FRIDAY, MAY 5, 2023, AND CONCLUDING AT 11:59 P.M., SATURDAY, MAY 6, 2023, AND FURTHER

THE PERMIT IS GRANTED SUBJECT TO THE FOLLOWING STIPULATIONS:

- 1) THAT ALL OTHER TOWNSHIP ORDINANCES AND REGULATIONS BE ADHERED TO.
- 2) THAT THE FIRE MARSHAL AND ELECTRICAL INSPECTOR WILL PERFORM INSPECTIONS AS REQUIRED AFTER FESTIVAL SET UP.
- 3) APPLICANT MUST ADHERE TO THE 2015 INTERNATIONAL FIRE CODE REGARDING TENTS.
- 4) APPLICANT MUST ADHERE TO THE 2014 TENT DISPLAY ORDINANCE.



- 5) THE REQUIRED INSURANCE CERTIFICATE AND BOND SHALL BE ON FILE WITH THE CLERK PRIOR TO ISSUANCE OF PERMITS.
- 6) SECURITY FOR THE FESTIVAL MUST BE CERTIFIED THROUGH THE MASSACHUSETTS CROWD MANAGER COURSE PER DELTA TOWNSHIP FIRE DEPARTMENT. CERTIFICATION IS VALID FOR THREE YEARS.
- 7) FURTHER, THAT THE FEE FOR THE AMUSEMENT & ENTERTAINMENT LICENSE HAS BEEN WAIVED.
- 8) THE APPLICANT OF THE FESTIVAL SHALL BE RESPONSIBLE FOR ALL OPERATIONAL REQUIREMENTS STATED IN SECTION 6-16 OF THE AMUSEMENT & ENTERTAINMENT ORDINANCE.
- 9) THE APPLICANT OF THE FESTIVAL SHALL BE RESPONSIBLE FOR CONTAINING ALL PARKING FOR THE FESTIVAL WITHIN THE CHURCH PROPERTY.

LICENSES\Amusement-Entertainment\2023\Memo Brd Trustees-Stgerards.doc

APPLICATION FOR A ENTERTAINMENT AND PERFORMANCE LICENSE

The undersigned hereby applies for a license to sponsor, operate, exhibit, perform or cause to be operated, exhibited or performed any public amusement, entertainment, bingo game, exhibition, circus, carnival, sporting event or religious service under canvas or in the open air, within the Charter Township of Delta, Michigan. This listing is illustrative only and is not meant to be all inclusive.

APPLICATION/LICENSE FEES

\$500.00 Non-Refundable Application Fee due at time of submittal of application:

License Fee set by Township Board at Township Board Meeting. \$200.00 per day.

GENERAL INFORMATION:

FULL LEGAL NAME OF APPLICANT: St. Gerard Church

ADDRESS OF APPLICANT: 4437 W Willow Hwy., Lansing, MI 48917

APPLICANT PHONE NUMBER: (517) 323-2379

APPLICANT(S) DATE OF BIRTH: N/A

FULL LEGAL NAME OF OWNER(S): St. Gerard Church

ADDRESS OF OWNER(S): 4437 W Willow Hwy, Lansing, MI 48917

OWNER(S) PHONE NUMBER: (517) 323-2379

OWNER(S) DATE OF BIRTH: N/A

FULL LEGAL NAME OF OPERATOR(S): St. Gerard Church

ADDRESS OF OPERATOR: 4437 W Willow Hwy, Lansing, MI 48917

OPERATOR(S) PHONE NUMBER: (517) 323-2379

OPERATOR(S) DATE OF BIRTH: N/A

FULL LEGAL NAME OF SPONSOR(S): N/A

ADDRESS OF SPONSOR(S): N/A

SPONSOR(S) PHONE NUMBER: N/A

EVENT INFORMATION:

LOCATION OF PROPOSED EVENT: 4437 W Willow Hwy, Lansing, MI 48917

DATES OF PROPOSED EVENT: May 5 & 6, 2023

PROPOSED HOURS OF OPERATION: 12:00pm to 11:59pm

CHARGES FOR ADMISSION: \$10 (tent in the evening only)

IF NO ADMISSION CHARGE, OTHER MANNER(S) IN WHICH MONEY OR OTHER CONSIDERATION IS RECEIVED:

BRIEF DESCRIPTION OF PROPOSED TYPE OF ACTIVITY(S) INCLUDING TIMES:

Parish Festival 12:00pm to 11:59pm

BRIEF DESCRIPTION OF APPLICANT AND OPERATOR(S) EXPERIENCE WITH PROPOSED EVENT AND ACTIVITY(S):

We have run this event for over 40 years

BRIEF STATEMENT WHETHER APPLICANT HAS APPLIED FOR A SIMILAR LICENSE OTHER THAN DESCRIBED IN THIS APPLICATION, AND THE DISPOSITION OF SUCH APPLICATION:

NO

INSURANCE INFORMATION:

INSURED BY: Michigan Catholic Conference

\$500,000.00, in the event of injury or death of any one person, and for the payment up to \$1,000,000.00 in the event of injury or death of more than one person, and for the payment up to \$500,000.00, for property damage. **The Charter Township of Delta must appear as an additional insured and receive a 30-day cancellation notice.**

POLICY#: copy enclosed DATE ISSUED: _____ EXPIRATION DATE: _____

BONDED BY: Travelers
(In the Penal Sum of \$10,000.)

BOND#: copy enclosed DATE ISSUED: _____ DATE EXPIRES: _____

REQUIREMENTS:

Applicant understands full compliance with any and all Township Ordinances is required, including but not limited to, the:

- Delta Township Fire Code,
- Delta Township Zoning Ordinance,
- Delta Township Building Code,
- Delta Township Utility Ordinance,
- Delta Township Traffic Ordinance,
- Delta Township Sign Ordinance,
- Delta Township Nuisance Ordinance,
- Delta Township Noise Ordinance,
- Delta Township Offenses Ordinance.
- Delta Township Tent Ordinance

Applicant understands full compliance with any and all Township Ordinances, County Ordinances, State Statutes, and Federal Statutes is required.

IMPORTANT: applicant is required to provide, along with this application, items necessary to show how and where the license (if granted) is to be utilized, which shall describe adequate off-street parking, lighting, refuse disposal facilities, water facilities, restroom facilities, medical facilities, seating, trespass containment, and adequate plans for screening and noise control. This listing is illustrative only, and is not meant to be all inclusive.

Applicant understands all required fees, utility bills, and taxes must be paid in full before a license will be granted. Applicant is required to provide written permission from the property owner, of the property upon which the event or activity is intended to take place. A fee for each license shall be in an amount determined by resolution of the Township Board.

Such other information as deemed reasonably necessary and proper, for the full protection of the Charter Township, as well as the applicant in order to effectuate the purposes of the Ordinance and determine whether the terms of the Ordinance and State Statutes are being complied with, may be required to be provided by applicant.

Should your request for a license be denied by the Township Clerk, applicant may file an Appeal to the Township Board. To file an appeal, the form is available from the Township Clerk, a fee is required and set by resolution of the Township Board and applicant has five days from the date of denial in which to file such appeal.

"I, the undersigned, hereby acknowledge my understanding of this application and its requirements. I have received and read a copy of the Township Ordinance, and understand and will comply with the regulations contained within the Township Ordinance. Further, I understand that a false statement on this application may result in either a denial of this application or subsequent revocation if this license is granted."

APPLICANT SIGNATURE: Brian Rusk

DATE: 2/16/23

Delta Township Official use only below this line.

Reviewed and approved by the following:	Date	Initials
Delta Township Clerk's Office:	<u>2-28-23</u>	<u>JR</u>
Eaton County Sheriff Department:	<u>2-10-23</u>	<u>ES</u>
Delta Township Fire Department:	<u>2-9-23</u>	<u>MR</u>
Delta Township Planning Department:	<u>2-9-23</u>	<u>GB</u>
Delta Township Building Department:	_____	_____
Delta Township Treasurer:	_____	_____
Fee Established:	_____	_____
Delta Township Board of Trustees:	<u>4-3-2023</u>	_____
Application Fee Paid (receipt no.):	_____	_____
License Fee Paid (receipt no.):	_____	_____
Date of Acceptance/Denial:	_____	_____

Tracy Ruiz

From: Michael Ruster
Sent: Thursday, March 9, 2023 9:34 AM
To: Tracy Ruiz
Subject: RE: St. Gerards Festival/Beer Tent

Tracy,

I was good with the set up last year, but I have a few items to keep an I on when setting up the Mobile Food Service Unit (MFSU). I will be looking at these items when I do a site visit. The Mobile Food Service Unit shall also be inspected by myself and the electrical inspector. Depending on who you get to come to the event the inspection may have already been done. If that is the case, I would just need to do the site visit.

1. Generator not to be fueled until both the engine and fuel tank are cool and below the auto ignition temperature of the fuel. Generator never to be refueled while running.
2. Generator not to be fueled until both the engine and fuel tank are cool and below the auto ignition temperature of the fuel. Generator never to be refueled while running.
3. Generator to be grounded in an approved method.
4. Generator while operating shall not exceed 80 decibels at 15 feet.
5. Generator to be positioned adjacent to any means of egress, air intakes, openings building, structure or vehicle.
6. MFSU not to be parked in any manner that obstructs a fire lane.
7. MFSU not to be parked in any manner that obstructs a fire hydrant.
8. MFSU not to be parked in any manner that obstructs a fire department connection or other fire protection equipment.
9. MFSU not to be within 10' of entrances/exits of buildings/structures, combustible materials, vehicles including other MFSU or other cooking operations.
10. MFSU to be secured from accidental movement by the chocking of the tires. Chock both sides of tire. Are wheel chocks present for use?

Thanks for getting this done early. Looking forward to seeing another great event this year. If you have any questions or concerns, please do not hesitate to contact my office.

Thank you.

Michael Ruster, Fire Inspector/EMT-P
Delta Township Fire Department
811 N. Canal Rd.
Lansing, MI 48917
Main Office: 517.321.6622
Direct Office: 517.816.8162

Tracy Ruiz

From: Gary Bozek
Sent: Thursday, March 9, 2023 3:18 PM
To: Tracy Ruiz; Brian Reed; David Waligora; Gregg Ginebaugh; Matthew Leach; Rick Kinsman; Courtney Nicholls; Michael Ruster
Cc: Mary Clark
Subject: RE: St. Gerards Festival/Beer Tent

Tracy,

In response to the application filed for the St. Gerard Church's Festival scheduled for May 5 & 6, 2023 --- I've reviewed the information provided with the application, and it appears that the event will be conducted in the same manner as it has been in the past. The Planning Department has not received any complaints regarding the Church's festival in years past. There is adequate parking for the event. The Church has made arrangements to hold the event in Weber Hall in the event of inclement weather. The tent permit application will be processed as per our requirements. Thank you for providing the Planning Department an opportunity to comment.

Gary



Gary M. Bozek, AICP
Planning Director
Delta Charter Township
7710 West Saginaw Highway
Lansing, Michigan 48917-9712

Phone: 517.323.8560
Fax: 517.323.8599
E-mail: gbozek@deltami.gov
Web: www.deltami.gov

From: Tracy Ruiz <TRuiz@deltami.gov>
Sent: Monday, March 6, 2023 7:55 AM
To: Brian Reed <BReed@deltami.gov>; Gary Bozek <GBozek@deltami.gov>; David Waligora <DWaligora@deltami.gov>; Gregg Ginebaugh <GGinebaugh@deltami.gov>; Matthew Leach <MLEach@deltami.gov>; Rick Kinsman <RKinsman@deltami.gov>; Courtney Nicholls <CNicholls@deltami.gov>; Michael Ruster <MRuster@deltami.gov>
Cc: Mary Clark <mclark@deltami.gov>
Subject: St. Gerards Festival/Beer Tent

Please find attached the packet for the St. Gerard' Festival/Beer Tent scheduled for May 5/6, 2023. Please email any comments you may have by Friday, March 10, 2023.

If you have any questions please feel free to contact me at Ext. 8204.

Tracy L. Ruiz, Deputy Clerk

Tracy Ruiz

From: Elbert Sidel <ESidel@eatoncounty.org>
Sent: Friday, March 10, 2023 10:13 AM
To: Mary Worland
Cc: Tracy Ruiz
Subject: RE: St. Gerard' Packet

I have no issues with this, do you need it initialed by me at this time or does that come later

**Lieutenant Al Sidel
Eaton County Sheriff's Office
Delta Township Patrol Section
7708 Administration Dr
Lansing, MI 48917
517-983-8687**



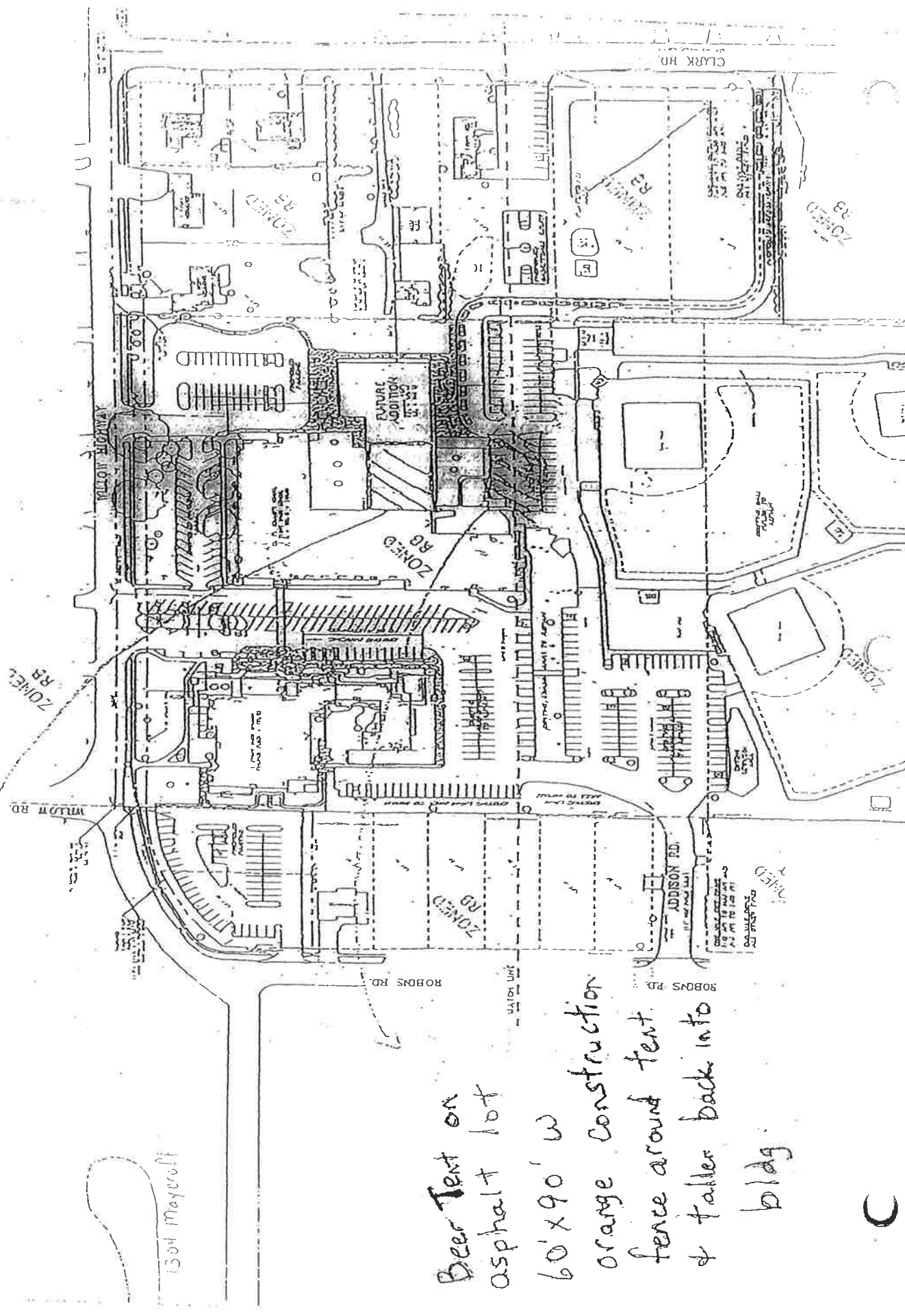
From: Mary Worland <MWorland@deltami.gov>
Sent: Monday, March 6, 2023 9:19 AM
To: Elbert Sidel <ESidel@eatoncounty.org>
Subject: FW: St. Gerard' Packet

Attached is the Festival packet for St. Gerard's annual festival. If you have any questions regarding this event, or the packet review process, please contact Tracy in the Clerk's Office, ext 8204.

Thanks
Mary

Mary Worland
Assistant to the Township Manager &
Communications Administrator

Weather back deck w/ beer hall



1304 Maycroft

Beer Text on asphalt lot
60' x 90' w
orange construction
fence around text.
& taller back into
bldg.

C



Travelers Casualty and Surety Company of America
Hartford, CT 06183

**CONTINUATION CERTIFICATE
FIDELITY OR SURETY BONDS/POLICIES**

License No. _____

In consideration of \$100.00 dollars renewal premium, the term of Bond/Policy No. 105887606 in the amount of \$10,000.00, issued on behalf of SAINT GERARD PARISH, whose address is 4437 W. WILLOW, LANSING, MI 48917, in favor of CHARTER TOWNSHIP OF DELTA, whose address is 7710 W. SAGINAW HIGHWAY, LANSING, MI 48917, in connection with License or Permit Bond - Definite Term is hereby extended to May 04, 2024, subject to all covenants and conditions of said bond/policy.

This certificate is designed to extend only the term of the bond/policy. It does not increase the amount which may be payable thereunder. The aggregate liability of the Company under the said bond/policy together with this certificate shall be exactly the same as, and no greater than it would have been, if the said bond/policy had originally been written to expire on the date to which it is now being extended.

Signed, sealed and dated February 03, 2023



Travelers Casualty and Surety Company of America

By:

Robert L. Raney, Senior Vice President



CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY)
2/2/2023

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

IMPORTANT: If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must have ADDITIONAL INSURED provisions or be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

PRODUCER Arthur J. Gallagher Risk Management Services, LLC 300 Ottawa NW Suite 301 Grand Rapids MI 49503	CONTACT NAME: PHONE (A/C, No, Ext): 616-233-0910 FAX (A/C, No): 616-233-0923 E-MAIL ADDRESS:														
	<table border="1"> <tr> <th>INSURER(S) AFFORDING COVERAGE</th> <th>NAIC #</th> </tr> <tr> <td>INSURER A : Princeton Excess & Surplus Lines Ins Co</td> <td>10786</td> </tr> <tr> <td>INSURER B : Safety National Casualty Corporation</td> <td>15105</td> </tr> <tr> <td>INSURER C :</td> <td></td> </tr> <tr> <td>INSURER D :</td> <td></td> </tr> <tr> <td>INSURER E :</td> <td></td> </tr> <tr> <td>INSURER F :</td> <td></td> </tr> </table>		INSURER(S) AFFORDING COVERAGE	NAIC #	INSURER A : Princeton Excess & Surplus Lines Ins Co	10786	INSURER B : Safety National Casualty Corporation	15105	INSURER C :		INSURER D :		INSURER E :		INSURER F :
INSURER(S) AFFORDING COVERAGE	NAIC #														
INSURER A : Princeton Excess & Surplus Lines Ins Co	10786														
INSURER B : Safety National Casualty Corporation	15105														
INSURER C :															
INSURER D :															
INSURER E :															
INSURER F :															
INSURED Michigan Catholic Conference ST GERARD PARISH, LANSING 5094 510 S. Capitol Ave. Lansing MI 48933															


COVERAGES **CERTIFICATE NUMBER:** 1185332447 **REVISION NUMBER:**

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR LTR	TYPE OF INSURANCE	ADDL INSD	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS
A A	COMMERCIAL GENERAL LIABILITY <input type="checkbox"/> CLAIMS-MADE <input checked="" type="checkbox"/> OCCUR Add'l Ins Form# _____ PESFG1161G GEN'L AGGREGATE LIMIT APPLIES PER: <input checked="" type="checkbox"/> POLICY <input type="checkbox"/> PRO-JECT <input type="checkbox"/> LOC OTHER: _____			N2-A3-EX-0000006-09 R2-A3-FF-0000009-19	7/1/2022 7/1/2022	7/1/2023 7/1/2023	EACH OCCURRENCE \$ 10,000,000 DAMAGE TO RENTED PREMISES (Ea occurrence) \$ MED EXP (Any one person) \$ PERSONAL & ADV INJURY \$ Included GENERAL AGGREGATE \$ 10,000,000 PRODUCTS - COMP/OP AGG \$ 10,000,000 \$
A A	AUTOMOBILE LIABILITY <input checked="" type="checkbox"/> ANY AUTO <input type="checkbox"/> OWNED AUTOS ONLY <input type="checkbox"/> SCHEDULED AUTOS NON-OWNED AUTOS ONLY <input type="checkbox"/> HIRED AUTOS ONLY			N2-A3-EX-0000006-09 R2-A3-FF-0000009-19	7/1/2022 7/1/2022	7/1/2023 7/1/2023	COMBINED SINGLE LIMIT (Ea accident) \$ 10,000,000 BODILY INJURY (Per person) \$ BODILY INJURY (Per accident) \$ PROPERTY DAMAGE (Per accident) \$ \$
	UMBRELLA LIAB <input type="checkbox"/> OCCUR EXCESS LIAB <input type="checkbox"/> CLAIMS-MADE DED RETENTION \$						EACH OCCURRENCE \$ AGGREGATE \$ \$
B	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH) If yes, describe under DESCRIPTION OF OPERATIONS below			SP4066507	7/1/2022	7/1/2023	<input checked="" type="checkbox"/> PER STATUTE <input type="checkbox"/> OTH-ER E.L. EACH ACCIDENT \$ 1,000,000 E.L. DISEASE - EA EMPLOYEE \$ 1,000,000 E.L. DISEASE - POLICY LIMIT \$ 1,000,000
A A	Misc Professional Liability Dir & Off/Counselors E&O Claims Made Retro Date			N2-A3-EX-0000006-09 R2-A3-FF-0000009-19	7/1/2022 7/1/2022	7/1/2023 7/1/2023	Occ/Claims Made Aggregate 7/1/1985 \$10,000,000 \$10,000,000

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required)
LIMITS ARE INCLUSIVE OF DEFENSE & INSURED RETENTION

CERTIFICATE HOLDER NAMED ADDITIONAL INSURED REGARDING GENERAL LIABILITY PER FORM FG1161H FOR OPERATIONS PERTAINING TO THE PARISH FESTIVAL ON MAY 5th, 6th, 2023. INCLUDING HOST LIQUOR LIABILITY.

CERTIFICATE HOLDER THE CHARTER TOWNSHIP OF DELTA 7710 W SAGINAW HWY LANSING MI 48917 USA	CANCELLATION SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS. AUTHORIZED REPRESENTATIVE 
---	--

DELTA TOWNSHIP COMMUNITY DEVELOPMENT DEPARTMENT, PLANNING DIVISION

◆ 7710 West Saginaw Highway ◆ Lansing, Michigan 48917 ◆ (517) 323-8560 ◆
Township Website: www.deltami.gov Email: planning@deltami.gov

TENT PERMIT APPLICATION

ALL ITEMS SHALL BE FILLED OUT

Tent Permit Number (completed by Township)

Tent Event of the year (completed by Township)

I. TENT INFORMATION Today's Date _____

Name of Business/School/Church St. Gerard Church	Street Address (tent location) 4437 W Willow Hwy
Tent Purpose (eg. fireworks display) Parish Festival	
Dimensions of Tent 60' X 90'	Dates of Display May 5 & 6, 2023
Phone number (517) 323-2379	Email address bpdroste@stgerard.org

III. TENT DISPLAY REGULATIONS

1. A maximum of five (5) permits authorizing a tent display for nine (9) consecutive days shall be issued in any calendar year for any property. Permits may be issued back to back.
2. Tents 200 square feet and over require review & approval by the Fire Department
3. Tent displays shall not be erected in a road right of way, over a sidewalk, or obstruct a barrier-free parking space.
4. Tent displays shall be maintained in a clean and sanitary condition and all litter & debris removed at the cessation of the tent display.
5. The tent display permit shall be attached to the tent and in public view at all times.
6. The Zoning Administrator or his/her designee may impound any tent display which has been erected in violation of this chapter.
7. Tent permits only required for church and school properties and parcels zoned office (O), business (B1, B2) and industrial (I1, I2).
8. Tents over 200 square feet must be set back 20 feet from any property line.

II. TENT INSTALLER (if not done by owner)

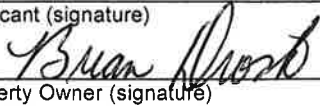
Tent Installer's Name Delux Tents and Events		
Address 6000 Lansing Rd		
City Lansing	State MI	Zip Code 48917
Phone Number (517) 322-2900		
E-mail Address		

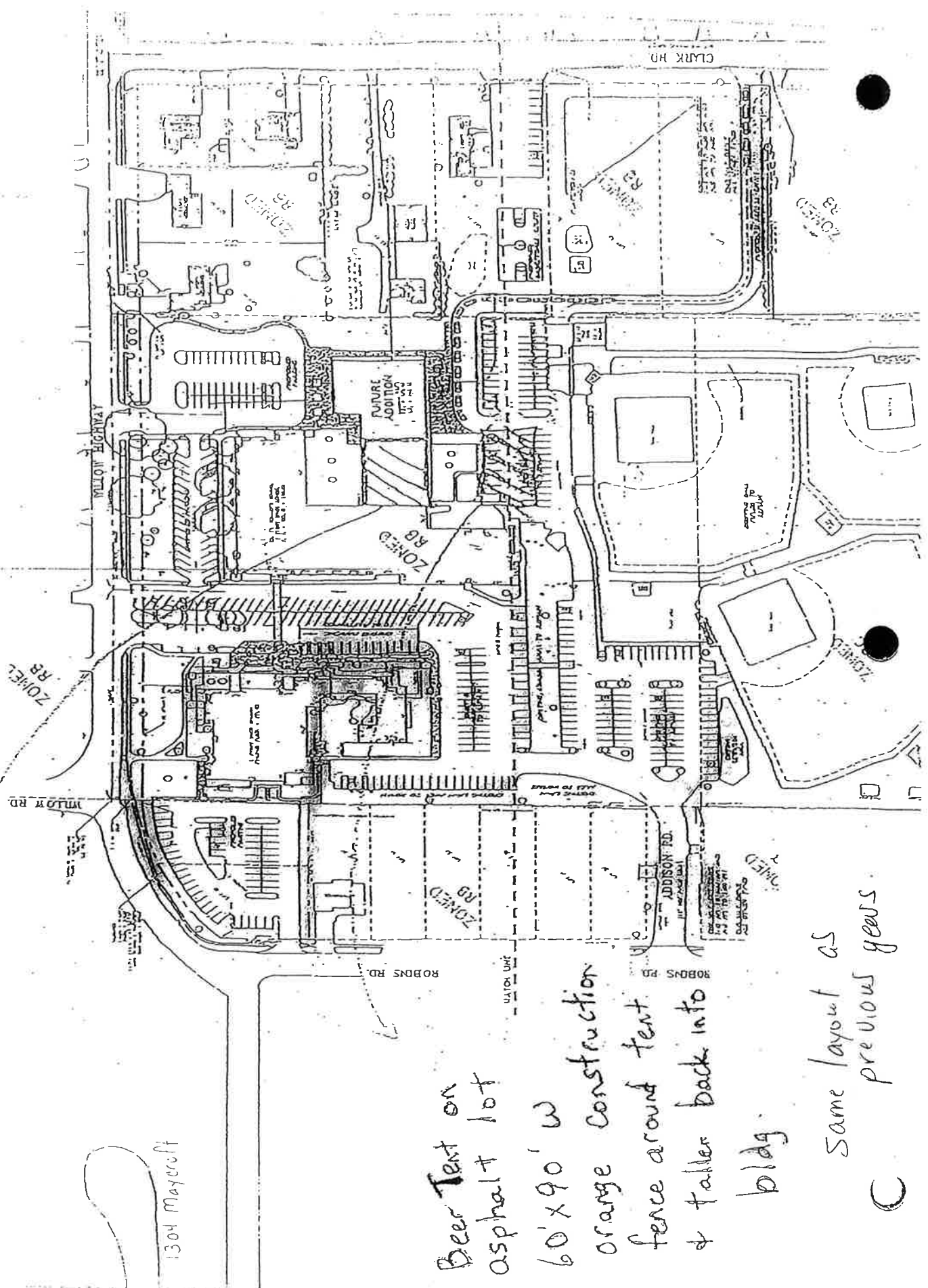
Site plan and sketch of tent (with dimensions) is required with the application

FEES:
\$30 – events with tents under 200 square feet
\$50 – events with tents 200 square feet and over

Fees changed 5-5-14 Form Rev. 6-26-14

IV. APPLICANT SIGNATURE

I do hereby agree to comply with the terms and requirements of Chapter 43 of the Delta Township Code of Ordinances, Tent Displays		
Applicant (print) St. Gerard - Brian Droste	Applicant (signature) 	Date 2/16/23
Property Owner (print) St. Gerard	Property Owner (signature)	Date
<u>Zoning Administrator Approval (Completed by Township)</u>		Date



Whether back of Weber Hall
100' x 100'

1304 Maycroft

Beer Tent on
asphalt lot
60' x 90' w
orange construction
fence around tent
& taller back into
bldg.

Same layout as
previous plans

C

DELTA CHARTER TOWNSHIP BUILDING DEPARTMENT

◆ 7710 West Saginaw Highway ◆ Lansing, Michigan 48917 ◆ (517) 323-8530 ◆
 Township Website: www.deltami.gov Email: signs@deltami.gov

SIGN PERMIT APPLICATION

ALL ITEMS SHALL BE FILLED OUT

SIGN PERMIT NUMBER _____

I. JOB LOCATION Date _____

Name of Owner/Agent St. Gerard Church		Phone Number 517 323-2379
Street Address of Job Site 4437 W Willow Hwy		
Email bpdroste@stgerard.org	Zoning	
Lot/Section Number	Mall/Plaza	

II. SIGN INSTALLER INFORMATION

Sign Installer's Name St. Gerard Church		
Address 4437 W Willow Hwy		
City Lansing	State MI	Zip Code 48917
Phone Number 517 323-2379	Cell Number	
E-mail Address bpdroste@stgerard.org	Fax Number 517 886-1349	

Verification of Landscape Compliance is required

Site plan and sketch of sign (with dimensions) is required with the application

NOTE: An ELECTRICAL SIGN requires an Electrical Permit before installing the sign.

III. TYPE OF SIGN

<input type="checkbox"/> Wall	<input checked="" type="checkbox"/> Ground	<input type="checkbox"/> Pole
<input checked="" type="checkbox"/> Temporary	<input type="checkbox"/> Banner	<input type="checkbox"/> Trailer
<input type="checkbox"/> Illuminated * Elect. Permit Req.	<input checked="" type="checkbox"/> Non-Illuminated	
Electrical Installer.		Separate Electrical Permit Required
Business Name of Sign: St. Gerard Church		
The Sign Reads: Parish Festival May 6th, 2023		
Total Sign Display Area: Height 4' Width 5'	Sign Distance from Right of Way (R.O.W.) 10'	
Be advised that placing signs in the R.O.W. is prohibited. Pole signs may not encroach on or over the R.O.W. Ten foot setback for any sign over 3 ft. in height. Property owner is responsible for final verification of the property line.		
Height and Width of Wall Served Height Width	Elevation (Direction)	
Temporary Sign Start Date April 23, 2023	Temp. Sign Removal Date May 7, 2023	
	FEE	NO.
Wall Signs (fee is per wall)	\$30.00	0
Ground, Pole, Expressway Sign	\$65.00	0
Temporary Sign (Only 1 at a time) For 9 Days - (Max of 5 per year)	\$50.00	2
** Refundable Bond **		
Temporary Trailer/Mobile Signs	\$150.00	0

TOTAL PERMIT FEE \$ \$ 100.00

Fees changed 11/2017

Form Rev. 4/10/2018

IV. APPLICANT SIGNATURE

Signs and sign structures shall be designed and constructed to resist wind forces to comply with the Michigan Building Code. Footing inspections and sealed engineered drawings are required to be submitted to the Building Inspector for pole & expressway signs.

I do hereby agree to comply with the terms and requirements of all existing ordinances of Delta Charter Township and the State of Michigan sign ordinance known as Act No. 106 Public Act of 1972.

Signature of Applicant 	Date 2/16/23
Building Inspector Approval (Pole/Expressway Signs)	Date
Application Approved By:	Date

TO: Supervisor Kenneth R. Fletcher and the Delta Township Board

FROM: Matt McKernan, Planner

DATE: March 30, 2023

SUBJECT: Case No. 11-22-08: Special Land Use Permit to allow for a tractor-trailer facility on a 10.22-acre undeveloped parcel on the northeast corner of Waverly Road and Old Lansing Road.



The Township is in receipt of a Special Land Use Permit application submitted by Pat Reilly Trucking to allow for the construction of a vehicle repair and parking lot facility for tractor trailers on an undeveloped 10.22-acre parcel located at the northeast corner of Waverly Rd and Old Lansing Road in Section 24 of Delta Township. The site will feature a 9,600 square foot building with 3 vehicle repair bays and associated office space. The proposed site plan has entrances on Waverly Road and Old Lansing Road.

On December 12, 2022, the Planning Commission held the public hearing for the request and ultimately decided to postpone a decision on the request until the applicant could provide a traffic impact study that determined how the proposed truck terminal would impact existing traffic conditions in the area. The applicant

returned to the Planning Commission on March 27 with a traffic impact study conducted by C&A Engineers, which indicates that the proposed truck terminal would have negligible impacts on existing traffic patterns in the subject area. The study focused on the intersections of Waverly Rd/Old Lansing Rd and Mt. Hope Hwy/Old Lansing Road. The study found that the Mt. Hope Hwy/Old Lansing Road has a "A" level of service (LOS) in both the AM and PM peak hours, while the Waverly Rd/Old Lansing Rd intersection has "B" LOS in the AM peak hour and an "A" LOS in the PM peak hour.

Based on the analysis of Pat Reilly Trucking's current facility in Grand Ledge, the study determined that the proposed truck terminal would add 40 trips during the AM peak hour (20 inbound at the Waverly entrance/20 outbound at the Old Lansing Road exit) and 15 trips in the PM peak hour (5 inbound at the Waverly Rd entrance/10 outbound trips at the Old Lansing Road exit). C&A Engineers determined that the vehicle trips generated by the proposed truck terminal should not alter the existing LOS at the two study intersections.

During initial discussion of the SLUP for Pat Reilly Trucking, it was determined that commercial vehicles are not currently permitted to utilize Old Lansing Road or the section of Mt. Hope Highway east of Lansing Road, which would preclude the applicant from utilizing the proposed exit for commercial vehicle traffic. Staff agrees that having a dedicated exit on Old Lansing Rd is desirable and has begun drafting revisions to Section 38-58 of the Township Code of Ordinances to allow for truck travel in the subject area. Staff is recommending a requirement that these amendments be made prior to the Special Land Use Permit taking effect.

The Planning Commission voted to recommend approval of the request by a vote of 5-1 on March 27, 2023.

Attached to this report you will find the original staff report and minutes for the December 12, 2022 Planning Commission meeting as well as a copy of the summary of the traffic study provided by the applicant.

The following motion, consistent with the Planning Commission's recommendation, is offered for the Board's consideration:

"At the recommendation of the Planning Commission, I move that the Delta Township Board approve the Special Land Use Permit for a vehicle repair facility in Case No. 11-22-08, for the following reasons:

1. The use meets all applicable general (section 7.03) and specific use standards (Section 8.61) for a truck repair facility.
2. A site plan shall be submitted for review by the Planning Commission in accordance with the provision of Chapter 6 of the Delta Township Zoning Ordinance illustrating compliance with all the Township's applicable development regulations.

With the following stipulations:

1. Failure of the applicant to comply with any of the provisions required by the Zoning Ordinance, or any stipulations required by the Delta Township Board, shall constitute grounds for termination of this permit by the Delta Township Board.
2. The proposed development will be subject to site plan review by the Planning Commission.
3. The necessary amendments to the Township's Truck Route Ordinance shall be adopted prior to the commencement of any construction activities on the subject parcel.

Planning Commission

**Special Land Use Permit: Truck Repair Facility
Waverly/Old Lansing Rd
Section 24**

Meeting Date:
December 12, 2022

Report Date:
December 8, 2022

Case No: 11-22-08

Applicant:
Jay Mann
10140 W. Grand River
Avenue
Grand Ledge, MI 48837

Location:
NW Corner of Waverly Rd
& Old Lansing Rd

Parcel Number:
040-024-400-163-00

Current Zoning District
I-Industrial

Proposed Request
Special Land Use Permit:
Vehicle Repair

Report Prepared By:
Matt McKernan,
Planner



Request Summary

Special Land Use Permit to allow for a tractor-trailer facility on a 10.22-acre undeveloped parcel on the northeast corner of Waverly Road and Old Lansing Road.

Related Documents

- SLUP Application & Conceptual Site Plan



Surrounding Zoning and Land Use:

North: I-Industrial (Multiple Industrial Developments)

East: Commercial Development (Lansing Township)

South: RC: Moderate Density Residential (Cemetery)

West: I-Industrial (Undeveloped Industrial Property)

Overview:

Pat Reilly Trucking is requesting a Special Land Use Permit to allow for the construction of a vehicle repair and parking lot facility for tractor trailers on an undeveloped 10.22-acre parcel located at the northeast corner of Waverly Rd and Old Lansing Road in Section 24 of Delta Township. The site will feature a 9,600 square foot building with 3 vehicle repair bays and associated office space. The proposed site plan has entrances on Waverly Road and Old Lansing Road.

The applicant has a concurrent request with the Zoning Board of Appeals that will be heard on Tuesday, December 13, 2022. The applicant is requesting 3 variances for elements of the proposed site plan that do not conform to Township zoning standards. The applicant is requesting waive the requirement for paved surfaces in the portions of the parking lot devoted to trailer storage. The applicant is also requesting to waive the requirement for concrete curbing around the parking lot and to reduce the required landscape buffer width along a portion of the east property line from 50 to 25 feet.

Standards of Review

The Planning Commission and Township Board must review and discuss the ***General Review Standards for all Special Land Uses (Section 7.03)*** and ***Section 8.61 Vehicle Repair***.

Section 7.03 General Review Standards for all Special Land Uses

- 1. The proposed Special Land Use shall be compatible and in accordance with the goals, objectives and policies of the Delta Charter Township Comprehensive Plan and any associated sub-area and corridor plans.**

The subject property is zoned I-Industrial. Vehicle repair facilities are permitted in the I-Industrial zoning district so long as the general Special Land Use Permit standards of Section 8.61 and the specific use standards of Section 8.61 are met.

- 2. The proposed Special Land Use shall be constructed, operated, and maintained so as to be compatible with the existing or intended character of the general vicinity and so as not to change the essential character of the area in which it is proposed. A Special Land Use shall be designed and constructed as to not create a significant detrimental impact, as compared to the impacts of permitted uses.**

The property is adjacent to industrial uses to the north and vacant industrial property to the west. The subject property is adjacent to commercial uses to the east across Waverly Rd in Lansing Township. To the south the property is bordered by a cemetery and residential uses to the south.

- 3. The proposed Special Land Use shall be served adequately by essential public facilities and services, such as highways, streets, police and fire protection, drainage structures, water, and sewage facilities. Such services shall be provided and accommodated without an unreasonable public burden.**

The subject property is adequately served by public utilities.

- 4. The proposed Special Land Use shall not involve uses, activities, processes, materials and equipment or condition of operation that will be detrimental to the natural environment, public health, safety, or welfare by reason of excessive production of traffic, noise, smoke, odors, or other such nuisance in comparison to the impacts associated with typical permitted uses.**

The applicant's narrative indicates that all vehicle repairs and storage will occur within enclosed spaces. The proposed development is not anticipated to generate smoke or other obnoxious odors or noise.

5. **The proposed Special Land Use shall be located and designed in a manner which will minimize the impact of traffic, taking into consideration: pedestrian access and safety; vehicle trip generation (i.e., volumes); types of traffic, access location and design, circulation and parking design; street and bridge capacity; and traffic operations at nearby intersections and access points. Efforts shall be made to ensure that multiple transportation modes are safely and effectively accommodated in an effort to provide alternate modes of access and alleviate vehicular traffic congestion. The applicant shall comply with the Township's Complete Street Ordinance.**

The applicant's narrative indicates that they anticipate around 50 vehicle trips per day based on the activity levels of their current operation which is located at 10140 W. Grand River Avenue in Grand Ledge. The proposed development poses some concerns about traffic generation on a parcel with accessibility issues due to the reduced carrying capacity of Old Lansing Road and the proximity of the Waverly Road entrance's location to the railroad crossing north of I-496. Assistant Planning Director Dave Waligora has suggested that it might be appropriate to postpone a decision on the Special Land Use Permit for this request until a traffic study has been conducted by the applicant.

6. **The nature and character of the activities, processes, materials, equipment, or conditions of operation, either specifically or typically associated with the use shall be reviewed.**

The applicant's narrative indicates that the site will feature a 9,600 square foot building with 3 vehicle repair bays. The site will have 7 full-time employees and have hours of operation of 8:00 AM-6:00 PM Monday-Friday and 9:00 AM – 2:00 PM on Saturdays.

7. **Measures shall be taken to ensure that outdoor activity, storage, and work areas will be compatible with adjacent land uses.**

All vehicle repairs will take place within an enclosed structure.

8. **The proposed Special Land Use shall be designed, constructed, operated, and maintained to meet the stated intent of the zoning district and shall comply with all applicable ordinance standards.**

The applicant is requesting 3 variances for elements of the proposed site plan that do not conform to Township zoning standards. The applicant is requesting waive the requirement for paved surfaces in the portions of the parking lot devoted to trailer storage. The applicant is also requesting to waive the requirement for concrete curbing around the parking lot and to reduce the required landscape buffer width along a portion of the east property line from 50 to 25 feet.

9. **The general standards and requirements of this Section are basic to all uses authorized by Special Land Use approval. The specific and detailed requirements relating to particular uses and area requirements must also be satisfied for those uses.**

The specific standards for the request are outlined in Section 8.61 and are reviewed in depth below.

Section 8.61 Vehicle Repair

- A. **The proposed Special Land Use shall be compatible and in accordance with the goals, objectives and policies of the Delta Charter Township Comprehensive Plan and any associated sub-area and corridor plans.**

The site will be accessed from Waverly and Old Lansing Rds.

B. Outdoor Storage

The applicant’s narrative indicates that all outdoor storage will be adequately screened. This requirement will be assessed during site plan review.

C. Screening

The applicant is proposing landscape buffers along the east and south property lines which are adjacent to non-Industrial zoned properties

D. Disposal Containers

The applicant’s narrative indicates that all material storage shall be within suitable containers. This requirement will be assessed during site plan review.

E. Repair and Maintenance

All repair activities will take place within the proposed maintenance facility.

F. Front Setback Restrictions

There are no proposed structures or activities located within required setback areas.

G. Vehicle Sales and Leasing

The development will not be used for vehicle sales or leasing.

H. Prohibited Uses

The proposed development will not be used as a convenience store, salvage yard, or auction site.

Recommendation

It is suggested that the Planning Commission postpone a decision on the request until the applicant can provide a traffic study to determine whether the proposed development will exacerbate existing traffic concerns in the subject area. Alternatively, the following motion is offered If the Planning Commission is inclined to recommend approval of the request:

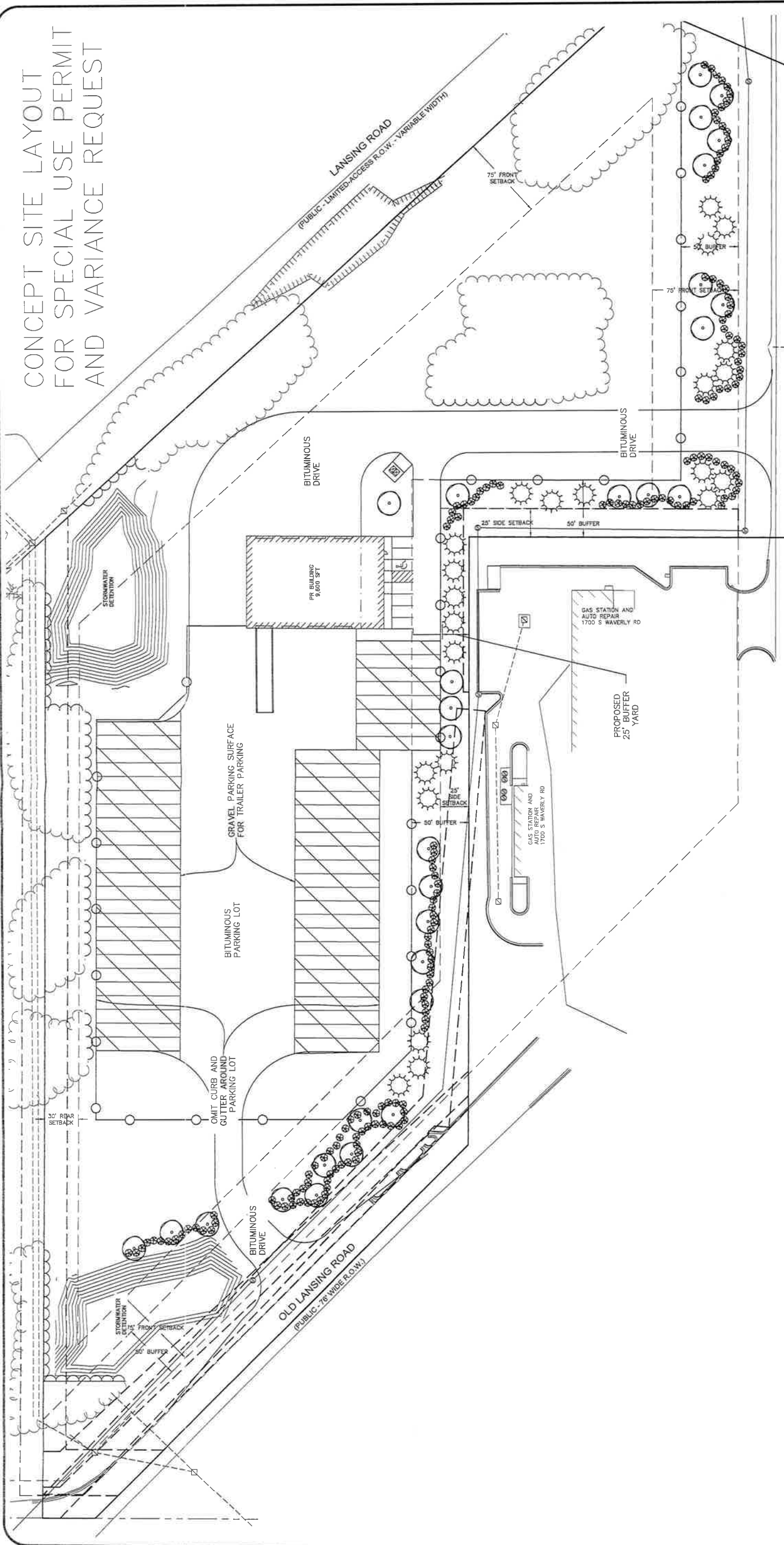
"I move that the Delta Township Planning Commission recommend approval to the Township Board, of the Special Land Use Permit, for a vehicle repair facility in Case No. 11-22-08, for the following reasons:

1. The use meets all applicable general (section 7.03) and specific use standards (Section 8.61) for a self-storage facility.
2. A site plan shall be submitted for review by the Planning Commission in accordance with the provision of Chapter 6 of the Delta Township Zoning Ordinance illustrating compliance with all the Township’s applicable development regulations.

With the following stipulation:

1. Failure of the applicant to comply with any of the provisions required by the Zoning Ordinance, or any stipulations required by the Delta Township Board, shall constitute grounds for termination of this permit by the Delta Township Board.
2. The proposed development will be subject to site plan review by the Planning Commission.
3. The applicant shall be required to obtain the approval of the necessary variances from the Zoning Board of Appeals prior to the Township Board’s final review of the SLUP request.

CONCEPT SITE LAYOUT
FOR SPECIAL USE PERMIT
AND VARIANCE REQUEST



REVISIONS
WAVELY ROAD
(C - 80' WIDE R.O.W.)



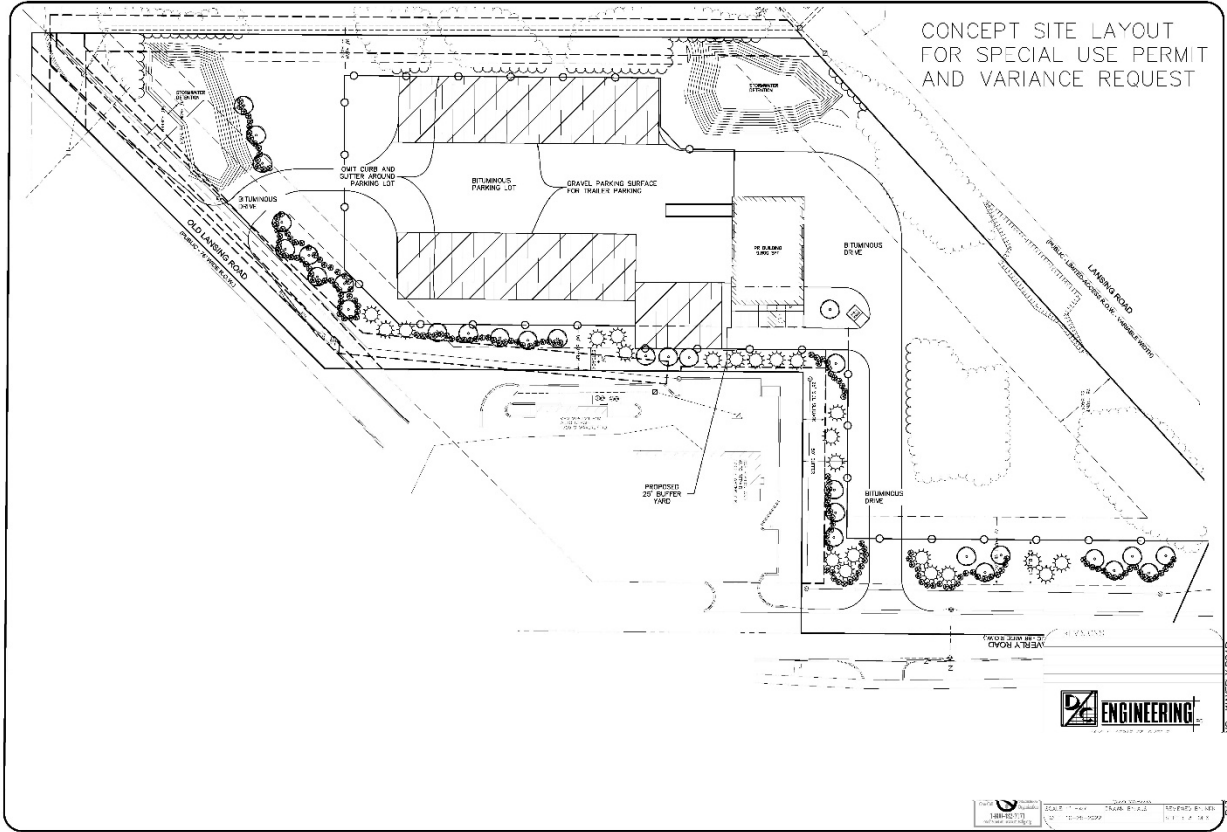
1210 N. CEDAR ST. SUITE B
LANSING, MICHIGAN 48906
PH: (517) 853-7866

REILLY TRUCKING
CIVIL-LAYOUT
PLANS PREPARED FOR:
PAT REILLY TRUCKING
10140 W GRAND RIVER AVENUE
GRAND LEDGE, MI 48837
L0031 2022-2024

SCALE: 1" = 40'
DATE: 10-25-2022
DRAWN BY: AJS
REVIEWED BY: GRK
SHEET: 3 OF 8



TRAFFIC IMPACT STUDY FOR PAT REILLY TRUCKING FACILITY DELTA TOWNSHIP, MICHIGAN



January 2023



Prepared by:

C&A Engineers
Carter & Associates Engineers, LLC



TABLE OF CONTENTS

EXECUTIVE SUMMARY	i
1. INTRODUCTION	1
1.1. Purpose	1
1.2. Project Description.....	1
1.3. Study Area	1
1.4. Study Analysis Methodology.....	3
1.5. Level of Service Analysis Methodology.....	4
1.6. Analysis Steps	4
1.7. Significance Criteria	5
2. EXISTING CONDITIONS	5
2.1. Roadway Segments & Intersections	5
2.2. Crash Analysis	5
2.3. Existing Intersection Volumes & Lane Configurations.....	7
2.4. Intersection Level of Service Analysis	7
2.5. Non-Motorized Facilities	7
3. BACKGROUND CONDITIONS	8
3.1. Background Traffic Volumes	8
3.2. Background Intersection Level of Service Analysis	8
4. BUILD-OUT CONDITIONS	9
4.1. Build-Out Condition Trip Generation	9
4.2. Build-Out Condition Trip Distribution and Assignment	9
4.3. Build-Out Condition Intersection Level of Service Analysis	9
5. CONCLUSIONS	10

FIGURES

Figure 1 - Project Site	2
Figure 2 - Site Plan	2

TABLE

Table 1. Analysis Scenarios.....	3
Table 2. Signalized Intersection Level of Service.....	3
Table 3. Un-Signalized Intersection Level of Service.....	4
Table 4. Crashes By Type	6
Table 5. Crashes By Severity.....	6
Table 6. Crash Conditions.....	7
Table 7. Crashes By Year	7
Table 8. Existing Condition Intersection Level of Service.....	7
Table 9. Background Conditions Intersection Level of Service	8
Table 10. Project Trip Generation	9

TECHNICAL APPENDIX

Appendix A - Traffic Data	
Appendix B - Crash Data	
Appendix C - Existing Condition LOS Computations (Synchro Printouts)	
Appendix D - Background Condition LOS Computations (Synchro Printouts)	
Appendix E - Build-Out Condition LOS Computations (Synchro Printouts)	

1. INTRODUCTION

1.1. PURPOSE

C&A Engineers, LLC (C&AE) was hired to conduct a traffic impact study (TIS) for the proposed Pat Reilly Trucking Facility located NW quadrant of the Waverly Road and Old Lansing Road intersection, in Delta Township, Michigan. The purpose of this study is to evaluate the impact on the existing road system from the additional vehicular traffic generated by the proposed development. The TIS has been prepared in accordance both Delta Township and Eaton County Road Commission (ECRC) guidelines.

The assessment documented in this traffic impact analysis is based on a review of existing traffic volumes, recent crash data, and the anticipated traffic generating characteristics of the proposed project. The study examines existing and projected traffic operations (both with and without the proposed development) at key intersections in the vicinity of the project site. The study area was selected based on a review of the surrounding roadway network and expected trip generating characteristics of the proposed project. This study provides a detailed analysis of traffic operations during the weekday morning and weekday afternoon peak hours, when the adjacent roadway volumes are greatest.

1.2. PROJECT DESCRIPTION

The proposed trucking facility (**Figure 1**) will be located in the NW quadrant of the Waverly Road and Old Lansing Road intersection in Delta Township, Michigan. With one proposed access driveway located approximately 300 feet north of the intersection and another driveway located approximately 425 feet southwest of the intersection. The hours of operations on weekdays will be from 5:00 AM to 9:00 PM. Based on data provided from our client's, the expected trips generated daily is 30 trucks. The site has been designed to accommodate large trucks.

1.3. STUDY AREA

The study area for this development includes key intersections and adjacent roadways that maybe affected by this project. The specific study area includes the intersections and roadway segments listed below.

Intersections

- Waverly Road at Old Lansing Road intersection
- Old Lansing Road at Mt. Hope Hwy

Road Segments

- Waverly Road
- Old Lansing Road



Figure 1 Project Site

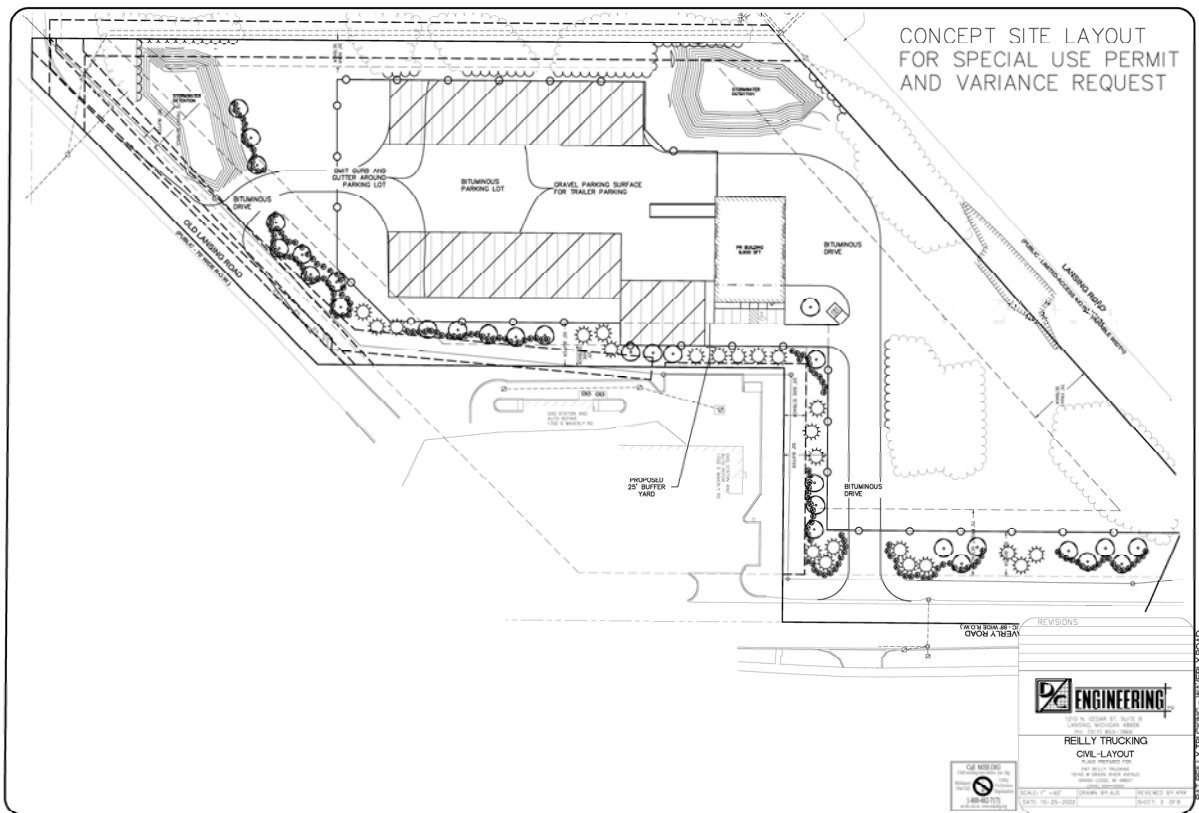


Figure 2 Site Plan

1.4. STUDY ANALYSIS METHODOLOGY

This section documents the methodologies and assumptions used to conduct the traffic impact study for the development. This section includes the analysis condition, analysis time periods and level of service analysis methodologies and steps. **Table 1** presents a summary of the analysis condition.

TABLE 1: ANALYSIS CONDITIONS

Conditions	DESCRIPTION
Existing Conditions	The analysis of Existing Condition was based on existing traffic data at the key intersections as well as count data collected on January 28, 2021.
No-Build Conditions	Future traffic forecasts without the proposed development were projected for the 2026 No-Build Condition by forecasting future traffic by applying a three percent annual growth to the existing count data collected.
Build Conditions	This traffic scenario provides an assessment of operating conditions under 2024 Build Condition with the addition of Project-generated traffic and transportation network infrastructure proposed by the Project.

1.5. LEVEL OF SERVICE ANALYSIS METHODOLOGY

The intersections and roadway segments in the study area were analyzed using procedures consistent with the Highway Capacity Manual. At intersections, the Level of Service (LOS) is based on the average delay experienced by motorists traveling through the intersection. **Table 2** and **Table 3** displays the average delay range for each LOS category associated with signalized and unsignalized intersections.

Signalized intersection operations are evaluated based on the appropriate jurisdiction’s LOS standards (i.e., minimum threshold for acceptable operations). An acceptable LOS for signalized intersections is defined as LOS D or better during a peak period. The HCM 2010 method evaluates signalized intersection operations based on average control delay for all vehicles at the intersection, which can be correlated to a LOS **Table 2**.

TABLE 2: SIGNALIZED INTERSECTION LEVEL OF SERVICE

Level of Service	Description (for signalized intersections)	Avg Delay ¹ (Seconds)
A	Operations with low delay occurring with favorable traffic signal progression and/or short cycle lengths.	< 10
B	Operations with low delay occurring with good progression and/or short cycle lengths.	> 10 to 20
C	Operations with average delays resulting from fair progression and/or longer cycle lengths. Individual cycle failures begin to appear.	>20.1 to 35.0
D	Operations with longer delays due to a combination of unfavorable progression, long cycle lengths, or high V/C ratios. Many vehicles stop, and individual cycle failures are noticeable.	> 35 to 55
E	Operations with high delay values indicating poor progression, and long cycle lengths. Individual cycle failures are frequent occurrences. This is considered to be the limit of acceptable delay.	> 55 to 80
F	Operations with delays unacceptable to most drivers occurring due to over-saturation, poor progression, or exceptionally long cycle lengths.	> 80

Note: 1. Average delay expressed in seconds per vehicle.
Source: Highway Capacity Manual (Transportation Research Board, 2010)

The operations of the unsignalized intersections were evaluated using HCM 2010. LOS ratings for stop-sign controlled intersections are based on the average control delay expressed in seconds per vehicle. At twoway or side-street-controlled intersections, the average control delay is calculated for each stopped movement, not for the intersection as a whole. For approaches composed of a single lane, the control delay is computed as the average of all movements in that lane. **Table 3** summarizes the relationship between delay and LOS for unsignalized intersections.

TABLE 3: UN-SIGNALIZED INTERSECTION LEVEL OF SERVICE

Level of Service	Description (for unsignalized intersection)	Average Delay ¹ (Seconds)
A	Little or no delay.	≤ 10.0
B	Short traffic delays.	10.1 to 15.0
C	Average traffic delays.	15.1 to 25.0
D	Long traffic delays.	25.1 to 35.0
E	Exceptionally long traffic delays.	35.1 to 50.0
F	Extreme traffic delays with intersection capacity exceeded.	> 50.0

Note: 1. Average delay expressed in seconds per vehicle.

Source: Highway Capacity Manual (Transportation Research Board, 2010)

The study intersections were analyzed using Synchro/SimTraffic analysis software. This software program analyzes the interaction of vehicles, pedestrians, traffic signals, and the roadway configuration. By modeling individual vehicles, the analysis can account for the effect of queue spillbacks on upstream lanes and intersections, delay to unbalanced lane utilization, and interaction between intersections due to signal coordination.

1.6. ANALYSIS STEPS

The study was conducted in three steps. The first step consisted of an inventory of existing traffic conditions within the project study area. As part of this inventory, manual turning movement counts were collected at key intersections during the weekday morning and weekday afternoon peak hours. A field visit was also completed to document intersection and roadway geometries and available sight distances at the project site driveway. Crash data for the study area intersections was obtained from the SEMCOG and used to determine if the study area has any existing traffic safety deficiencies.

The second step of the study builds upon the data collected in the first step to establish the basis for evaluating potential transportation impacts associated with the projected future conditions. During this second step, the projected traffic demands associated with any planned future developments that could influence traffic volumes at the study area intersections were assessed. Consistent with the Township's and ECRC traffic impact study guidelines, the 2023 Existing traffic volumes were forecasted to the future year 2026 to determine Background (without project) conditions and Build-out (with project) conditions.

The third step of this study determined if measures were necessary to improve existing or future traffic operations and safety, minimize potential traffic impacts, and provide safe and efficient access to the proposed project site.

1.7. SIGNIFICANCE CRITERIA

The following thresholds of significance have been used to determine whether implementing the proposed development would result in a adverse transportation impact. The development would have a adverse impact if one of the following conditions were to occur.

1. Causes the intersection to reduce by two or more LOS categories during the AM/PM peak hours.
2. Worsen an unacceptable roadway operations to a significant degree during the weekday AM/PM peak hours.



2. EXISTING CONDITIONS

C&A Engineers obtained AM and PM peak-hour vehicular turning movement count (TMC) on January 13, 2023, (**Appendix A**) at the intersections of Waverly Road at Old Lansing Road and Old Lansing Road at Mt. Hope Hwy, from 7:00 AM to 9:00 AM, and 3:00PM to 6:00 PM.



2.1. ROADWAY SEGMENTS & INTERSECTIONS

The principal roadways in the development study area are described briefly below. The description includes the physical characteristics, adjacent land uses, and traffic control devices along these roadways.

Roadway Segments

-  Waverly Road – in the vicinity of the development is a five (5) lane roadway with a center left-turn lane at the Waverly Road and Old Lansing Road intersection. Waverly Road is a bituminous roadway with bituminous shoulder along the westside of the roadway and curb and gutter along the eastside of the roadway. The speed limit is 35 MPH.
-  Old Lansing Road – in the vicinity of the development is a two (2) lane roadway. Old Lansing Road is a bituminous roadway with bituminous/gravel shoulders. The speed limit 435 MPH.

Intersections

-  Waverly Road at Old Lansing Road – is a signalized 4 leg intersection, with left-turn lanes on each approach and left-turn phasing for both Waverly Road approaches.
-  Old Lansing Road at Mt. Hope Hwy – is an un-signalized T-intersection intersection, with stop control for the Mt. Hope Hwy approach.

2.2. CRASH ANALYSIS

Below is summary of the crashes data obtained from SEMCOG (**Appendix B**) for the last five-years (January 1, 2016– December 31, 2020), at each of the key intersection. **Tables 4, 5, 6 and 7**, illustrate crashes based on type, severity, road condition, weather, and year.

✦ Waverly Road at Old Lansing Road: There were seventy-three (73) crashes reported at the intersection during the study period, with the majority of the crash reported as thirty-four (34) of the crashes reported were rear-end type, fifteen (15) angle type, and twelve (12) sideswipe-same directions type crashes. No fatal crashes occurred at the intersection.

✦ Old Lansing Road at Mt. Hope Hwy: There were twenty-four (24) crashes reported at the intersection during the study period, with the majority of the crash reported as fourteen (14) rear-end type, six (6) angle type crashes. No fatal crashes occurred at the intersection.

The majority of the rear-end crashes reported were the result of distracted motorist combined with unexpected stops. Several also occurred during wet (rain, snow, slush) and icy pavement conditions. The following countermeasures may reduce rear-end types of crashes.

- Overlay existing pavement
- Rumble strips on approaches in advance of intersection
- Reduce speed limit on approaches
- Provide “slippery when wet” signs
- Install advance warning signs
- Install back plates

The majority of the angle type crashes reported were the result of failure to stop. The following countermeasures may reduce these types of crashes.

- Remove vegetation in clear vision zones at all approaches.
- Reconfigure intersections to create one intersection.

The majority of the single-vehicle type crashes reported occurred at night or during wet pavement conditions. The following countermeasures may reduce these types of crashes.

- Overlay existing pavement
- Install street lighting
- Provide “slippery when wet” signs

TABLE 4, CRASHES BY TYPE

Location	Crashes By Type											Total
	Single Veh	Head-On	Head-Left	Angle	Rear-End	Rear-Left	Rear-Right	Swipe-Same	Swipe Opp	Backing	Other	
Waverly Rd / Old Lansing Rd	1	0	5	15	34	1	0	12	2	1	2	73
Old Lansing Rd / Mt Hope Hwy	0	0	0	6	14	3	0	0	0	0	1	24

TABLE 5, CRASHES BY SEVERITY

Location	Severity					Total
	Fatal	A-Level	B-Level	C-Level	PDO	
Waverly Rd / Old Lansing Rd	0	0	3	9	61	73
Old Lansing Rd / Mt Hope Hwy	0	0	0	1	23	24

TABLE 6, CONDITION

Location	Road Condition						Weather Condition						
	Dry	Ice	Wet	Snow	Other	Total	Clear	Cloudy	Snowing	Rain	Other	Uncoded / Error	Total
Waverly Rd / Old Lansing Rd	59	2	12	0	0	73	43	25	1	4	0	0	73
Old Lansing Rd / Mt Hope Hwy	21	0	1	2	0	24	18	4	2	0	0	0	24

TABLE 7, CRASHES BY YEAR

Location	Year					
	2017	2018	2019	2020	2021	Total
Waverly Rd / Old Lansing Rd	12	20	16	16	9	73
Old Lansing Rd / Mt Hope Hwy	3	3	4	9	5	24

2.3. EXISTING INTERSECTION VOLUMES & LANE CONFIGURATIONS

The operation of the study intersection was evaluated for the highest one-hour volume during the weekday AM/PM peak hour periods. Existing TMC were collected on January 13, 2023, (**Appendix A**) at the intersections of Waverly Road at Old Lansing Road and Old Lansing Road at Mt. Hope Hwy, from 7:00 AM to 9:00 AM, and 3:00 PM to 6:00 PM.

2.4. INTERSECTIONS LEVEL OF SERVICE ANALYSIS

The results of the LOS analysis for study intersections under Existing Conditions are presented in **Table 8**, the corresponding LOS calculation sheets are included in **Appendix C**. The LOS analysis indicates that the intersection of Waverly Road and Old Lansing Road currently operates at LOS A during the AM peak hour and at LOS B during the PM peak hour. The intersection of Old Lansing Road and Mt. Hope Hwy. currently operates at LOS A during both the AM and PM peak hours.

TABLE 8: EXISTING CONDITIONS INTERSECTION LEVEL OF SERVICE

ID	Intersection	Traffic Control Method	Movement	AM Peak Period					PM Peak Period				
				Movement Delay	Movement LOS	Approach Delay	Approach LOS	Intersection LOS	Movement Delay	Movement LOS	Approach Delay	Approach LOS	Intersection LOS
1	Waverly rd at Old Lansing Rd	Signalized	EB THRU/RT	18.5	B	19.0	B	(A) 8.9	16.2	B	21.3	C	(B) 13.3
			EB LEFT	19.1	B				21.7	C			
			WB THRU/RT	20.7	C	17.2	B		26.8	C	19.1	B	
			WB LEFT	15.5	B				15.5	B			
			SB THRU/RT	4.7	A	8.0	A		7.4	A	12.0	B	
			SB LEFT	8.3	A				12.4	B			
			NB THRU/RT	4.8	A	5.9	A		7.8	A	10.0	A	
			NB LEFT	6.0	A				10.2	B			
2	Old Lansing Rd at Mt. Hope Hwy	Un-Signalized	EB	10.4	B	10.4	B	A (2.1)	12.8	B	12.8	B	A (4.3)
			SB	0.0	A	0.0	A		0.0	A	0.0	A	
			NB	7.6	A	0.4	A		7.8	A	0.8	A	

Notes: For unsignalized intersections, the delay values are for the critical minor approach. For signals, the delay values are the overall delay. Delay is expressed in seconds per vehicle. LOS = Level of the delay values are the overall delay.

2.1. NON-MOTORIZED FACILITIES

There are sidewalks along eastside of Waverly Road in vicinity of the site.

3. BACKGROUND CONDITIONS

The Background scenarios represents conditions prior to the completion of the development. To evaluate the potential impact of traffic generated by the proposed Development on the surrounding roadway system, it is necessary to first develop estimates of the traffic condition in the area without the development. Traffic conditions without the development under this scenario reflect existing traffic counts with the addition with the addition of future growth in the buildout year. This chapter presents the results of the level of service calculations under Background Conditions

3.1. BACKGROUND TRAFFIC VOLUMES

The proposed development is expected to be completed in late 2023, however for the purposes of the study the traffic volumes for the Background Condition comprise of existing volumes forecasted to year 2026, utilizing an applicable yearly growth rate. In order to determine the applicable growth rate for the existing traffic volumes to projected build-out year, historical traffic count data and population forecasts publish by Tri-County Regional Planning Commission were used to estimate future growth for the study area. For year 2026 a 3% yearly growth rate was used.

3.2. BACKGROUND INTERSECTIONS LEVEL OF SERVICE ANALYSIS

The results of the LOS analysis for year 2026 Background Conditions are summarized in **Tables 9** and detailed calculations are provided in **Appendix D**. The LOS analysis indicates that the intersection of Waverly Road and Old Lansing Road will continue to operates at LOS A during the AM peak hour and at LOS B during the PM peak hour. The intersection of Old Lansing Road and Mt. Hope Hwy will continue to operates at LOS A during both the AM and PM peak hours.

TABLE 9: 2022 BACKGROUND CONDITIONS INTERSECTION LEVEL OF SERVICE

ID	Intersection	Traffic Control Method	Movement	AM Peak Period					PM Peak Period				
				Movement Delay	Movement LOS	Approach Delay	Approach LOS	Intersection LOS	Movement Delay	Movement LOS	Approach Delay	Approach LOS	Intersection LOS
1	Waverly rd at Old Lansing Rd	Signalized	EB THRU/RT	18.4	B	19.4	B	(A) 9.3	16.2	B	22.2	C	(B) 14.1
			EB LEFT	19.5	B				22.7	C			
			WB THRU/RT	21.2	C	17.4	B		30.4	C	20.5	C	
			WB LEFT	15.5	B				15.9	B			
			SB THRU/RT	5.0	A	8.3	A		7.9	A	12.7	B	
			SB LEFT	8.5	A				13.1	B			
			NB THRU/RT	5.1	A	6.3	A		8.4	A	10.3	B	
NB LEFT	6.5	A	10.6	B									
2	Old Lansing Rd at Mt. Hope Hwy	Un-Signalized	EB	10.7	B	10.7	B	A (2.1)	13.1	B	13.1	B	A (4.2)
			SB	0.0	A	0.0	A		0.0	A	0.0	A	
			NB	7.7	A	0.3	A		7.8	A	0.6	A	

Notes: For unsignalized intersections, the delay values are for the critical minor approach. For signals, the delay values are the overall delay. Delay is expressed in seconds per vehicle. LOS = Level of the delay values are the overall delay.

4. BUILD CONDITIONS

4.1. TRIP GENERATION

The Institute of Transportation Engineers (ITE) Trip Generation Manual 9th Edition does not contain trip generation rates for the truck facility use. The hours of operations on weekdays will be from 5:00 AM to 9:00 PM, with majority of the truck leaving the site between 5:00 AM and 6:00 AM and returning between 3:00 and 6:00 PM. Based on data provided from our client's, the expected trips generated daily is 30 trucks. The development is expected to generate 20 IN / 20 OUT trips during the AM peak hour and 5 IN / 10 OUT trips during the PM peak hour.

4.2. BUILD CONDITIONS TRIP DISTRIBUTION AND ASSIGNMENT

Trip distribution and assignment is the process of identifying the probable destinations, directions, and traffic routes that project related traffic will likely affect. The distribution of the projected trips due to the development was based on estimated traffic patterns, location of existing freeway systems and the location of the proposed site driveways, it is anticipated the limited amount of truck traffic from the site will utilize the Waverly Road at Old Lansing Road intersection. Truck traffic will be traversing to and from the west Old US-27 to I-69 via the Old Lansing Road Drive and to and from the north via Waverly Road to I-496 and Old US-27.

4.3. BUILD CONDITIONS INTERSECTION LEVEL OF SERVICE ANALYSIS

The results of the LOS analysis for year 2026 Build Conditions are summarized in **Table 10** and detailed calculations are provided in **Appendix E**. The LOS analysis indicates that the intersection of Waverly Road and Old Lansing Road will continue to operate at LOS A during the AM peak hour and at LOS B during the PM peak hour. The intersection of Old Lansing Road and Mt. Hope Hwy will continue to operate at LOS A during both the AM and PM peak hours. Both proposed access driveways will operate a LOS A.

TABLE 10: 2022 BUILD-OUT CONDITIONS INTERSECTION LEVEL OF SERVICE

ID	Intersection	Traffic Control Method	Movement	AM Peak Period					PM Peak Period				
				Movement Delay	Movement LOS	Approach Delay	Approach LOS	Intersection LOS	Movement Delay	Movement LOS	Approach Delay	Approach LOS	Intersection LOS
1	Waverly rd at Old Lansing Rd	Signalized	EB THRU/RT	18.4	B	19.4	B	(A) 9.3	16.4	B	22.2	C	(B) 14.1
			EB LEFT	19.5	B				22.7	C			
			WB THRU/RT	21.2	C	17.4	B		30.4	C	20.5	C	
			WB LEFT	15.5	B				15.9	B			
			SB THRU/RT	5.0	A	8.3	A		7.9	A	12.7	B	
			SB LEFT	8.5	A				13.1	B			
			NB THRU/RT	5.1	A	6.3	A		8.4	A	10.3	B	
			NB LEFT	6.5	A				10.6	B			
2	Old Lansing Rd at Mt. Hope Hwy	Un-Signalized	EB	10.8	B	10.8	B	A (2.1)	13.5	13.5	B	A (6.1)	
			SB	0.0	A	0.0	A		0.0	0	A		
			NB	7.7	A	0.3	A		7.9	0.6	A		
			WB			16.0	C				21.4		
3	Driveway at Waverly Rd	Un-Signalized	EB			17.9	C	A (0.4)			27.5	A (0.4)	
			SB			0.0	A				0.0		
			NB			0.0	A				0.0		
			WB			0.0	A				0.0		
	Driveway at Old Lansing Rd	Un-Signalized	EB			9.4	A	(A) 0.4			11.3	B	
			SB			0.0	A				0.0	A	
			NB			0.4	A				0.1	A	

Notes: For unsignalized intersections, the delay values are for the critical minor approach. For signals, the delay values are the overall delay. Delay is expressed in seconds per vehicle. LOS = Level of the delay values are the overall delay.

5. CONCLUSIONS

C&A Engineers has reached the following conclusions regarding the proposed Pat Reilly Trucking Facility located in the NW quadrant of the Waverly Road and Old Lansing Road intersection, in Delta Township, Michigan. With one proposed access driveway located approximately 300 feet north of the intersection and another driveway located approximately 425 feet southwest of the intersection. The hours of operations on weekdays will be from 5:00 AM to 9:00 PM. Based on data provided from our client's, the expected trips generated daily is 30 trucks. The site has been designed to accommodate large trucks.

Based on the analysis presented in this assessment, the development is expected to generate 20 IN / 20 OUT trips during the AM peak hour and 5 IN / 10 OUT trips during the PM peak hour.

The capacity analysis indicates that the proposed development would have a negligible impact on the operations of the study area intersections or roadways. In year 2026 with the addition of traffic generated by the project, the LOS analysis indicates that the intersection of Waverly Road and Old Lansing Road will continue to operate at LOS A during the AM and a LOS B during the PM peak periods. The intersection of Old Lansing Road and Mt. Hope Hwy. will continue to operate at LOS A during both the AM and PM peak periods. Both of the proposed access driveways will operate at a LOS A.

Based on a review of the conservative analysis contained within this traffic impact study, the proposed development will have minimum impact on the traffic operations of the study area roadways and intersections.

**SUMMARY RECORD OF PUBLIC HEARING
CASE NO. 11-22-08
DECEMBER 12, 2022
PAGE 1**

Summary Record of Public Hearing for Case No. 11-22-8: Special Land Use Permit Request to Allow for A Tractor-Trailer Facility on a 10.22-Acre Undeveloped Parcel on The Northeast Corner of Waverly Road and Old Lansing Road.

Members Present: Bradley, Hunt-Proctor, Meddaugh, McConnell, Mudry, Schweitzer, Weinfeld

Members Absent: Elsinga, Kosinski

Others Present: Planner Matt McKernan

Case 11-22-08:

Special Land Use Permit Request to Allow for A Tractor-Trailer Facility on a 10.22-Acre Undeveloped Parcel on The Northeast Corner of Waverly Road and Old Lansing Road

Planner McKernan introduced the topic. Pat Reilly Trucking is requesting a Special Land Use Permit to allow for the construction of a vehicle repair and parking lot facility for tractor trailers on an undeveloped 10.22-acre parcel located at the northeast corner of Waverly Rd and Old Lansing Road in Section 24 of Delta Township. The site will feature a 9,600 square foot building with 3 vehicle repair bays and associated office space. The proposed site plan has entrances on Waverly Road and Old Lansing Road. The applicant has a concurrent request with the Zoning Board of Appeals that will be heard on Tuesday, December 13, 2022. The applicant is requesting 3 variances for elements of the proposed site plan that do not conform to Township zoning standards. The applicant is requesting waive the requirement for paved surfaces in the portions of the parking lot devoted to trailer storage. The applicant is also requesting to waive the requirement for concrete curbing around the parking lot and to reduce the required landscape buffer width along a portion of the east property line from 50 to 25 feet. Planner McKernan concluded by indicating that the Planning Department was recommending the Planning Commission hold the public hearing for the request but postpone a decision until the applicant can provide a traffic study to indicate that the project will not negatively impact traffic on Waverly and Old Lansing Rd.

Chair Schweitzer concurred that traffic was already difficult in this area due to the railroad crossing just north of the subject property.

MOTION BY WEINFELD, SECONDED BY MUDRY, TO OPEN THE PUBLIC HEARING

VOICE VOTE. CARRIED 7-0.

Virgil Newman, Pat Reilly Trucking, 10140 Grand River Avenue, Grand Ledge, MI 48837
Mr. Newman explained that Pat Reilly Trucking is currently leasing its current location in Grand Ledge and is looking to establish a permanent home for the business. The subject property was

**SUMMARY RECORD OF PUBLIC HEARING
CASE NO. 11-22-08
DECEMBER 12, 2022
PAGE 2**

chosen because it is centrally located for existing clients and employees, and has better maintained roads than their current location.

Member Mudry inquired about the intensity of work that would be conducted at the site. Mr. Newman explained that the three truck repair bays would be used for general maintenance and repair of semi-trucks.

Kurt Krahulik, DC Engineering, 1210 N. Cedar St., Suite B Lansing, MI 48906

Mr. Krahulik introduced himself to the Planning Commission and explained that he was the engineer for the Pat Reilly Trucking request. Mr. Krahulik explained that Pat Reilly Trucking was interested in moving forward with their request regardless of the outcome of the three variance requests that the ZBA will be reviewing on December 13. Mr. Krahulik stated that the applicant has received preliminary approval from the Ingham County Road Commission for the entrance on Waverly and the Eaton County Road Commission for the exit on Old Lansing Road. The current plan is for trucks to enter on Waverly and exit on Old Lansing. Mr. Krahulik stated that Pat Reilly Trucking averages approximately 50 vehicle trips per day, which amounts to a vehicle entering/leaving the site every 15 minutes. Mr. Krahulik contended that the traffic generated by the applicant would not significantly alter the existing traffic patterns in the area.

Brian Little, 4106 Old Lansing Road, Lansing, MI 48917

Mr. Little explained that he and his wife have lived across Old Lansing Road from the subject property for 27 years. Mr. Little explained that he had seen countless accidents in the subject area in his time there. Mr. Little believes that adding 50 trips per day, primarily by larger semi-trucks would negatively impact traffic patterns on Waverly and Old Lansing. Both roads currently have traffic backups during train crossings and shift changes at nearby factories Mr. Little concluded by adding that the site would also negatively impact the residential character of the area.

MOTION BY MCCONNELL, SECONDED BY MEDDAUGH, TO CLOSE THE PUBLIC HEARING

VOICE VOTE. CARRIED 7-0.

Member McConnell stated that he lives near the subject property and agrees with Mr. Little that traffic is a major concern in this area.

Member Mudry asked if it was possible to postpone a decision until a traffic study could be conducted. Planner McKernan explained that the Planning Commission could require a submission of a traffic study by the applicant prior to a final decision on the request.

Member Meddaugh asked if the applicant had been asked to provide a traffic study and what type of information would the study be required to address. Planner McKernan explained that the proposed level of traffic on the site did not meet the threshold to automatically require the applicant to submit a study with their application. The Planning Commission can require a traffic

**SUMMARY RECORD OF PUBLIC HEARING
CASE NO. 11-22-08
DECEMBER 12, 2022
PAGE 3**

study that would address whether the proposed ingress/egress points on Waverly and Old Lansing will negatively impact the current level of service within the subject area.

Member Weinfeld stated he can't support the request without knowing the potential traffic impact and he favored requiring the applicant to require a traffic study prior to the final decision of the Planning Commission on the request.

MOTION BY WEINFELD, SECONDED BY MCCONNELL, TO POSTPONE A DECISION ON CASE NO. 11-22-08 UNTIL THE APPLICANT CAN PROVIDE A TRAFFIC STUDY, IN ORDER TO DETERMINE WHETHER THE PROPOSED DEVELOPMENT WILL EXACERBATE EXISTING TRAFFIC CONCERNS WITHIN THE SUBJECT AREA.

ROLL CALL VOTE. CARRIED 6-1 (MEDDAUGH VOTES NO)

Respectfully submitted,

Merritta Hunt-Proctor, Secretary

Utility Department 2022 Annual Report

Utility Department Organization

by Crew

Distribution Crew

Utility Crew

Collections Crew

Support Crew

Operations & Maintenance Crew

Administration Staff

At full staffing we are 31 employees

Distribution Crew

John Stopczynski - Distribution Supervisor

23 years of service - Licensing C, S-1

Brad Meister - Construction Foreman

20 years of service - Licensing S-1

Aron Greisinger - Mechanic Operator

26 years of service - Licensing C, S-1

Jacob Stanley - Mechanic Operator

6 years of service - Licensing B, S-2

Silas Dolman - Mechanic Operator

4 years of service

3 - Ground Storage Tanks

4 - Booster Stations

2 - Elevated Water Towers

5 - Emergency Power Generators

2350+ Fire Hydrants

236 Miles, water main line

Water Quality Samples

- Cl2 - *weekly*
- Bacti - *weekly*
- Corrosion control - *quarterly*
- Haas5 & Disinfection Byproducts - *yearly*
- Lead and Copper - *every 3 years*
- UCMR-EPA
- pH
- Partial Chemical battery - *quarterly/as needed*

- Performs preventive maintenance on the distribution system (Towers, Ground Storage Tanks, Booster Station, mains, & Valves)
- Installation of water service lines and repair
- Licensed State of Michigan CDL-A, Tanker, Air Brakes endorsement, operates heavy equipment, cleans and repairs of equipment
- On-call 24/7, Responds to afterhours calls and emergency situations, as necessary. Serves in emergency standby capacity; provides customer service and performs all aspects of Distribution system maintenance and repair during after-hours periods including holidays and weekends
- Provides courteous customer service in a variety of conditions; responds to questions and inquiries from the general public; contacts property occupants in connection with water maintenance work, Responds to customer problems or complaints
- Fire flow tests for developers, fire line inspections for new construction
- Misdig of water Distribution system and Sanitary Sewer main line staking during normal business hours as well as after hour emergency misdig service center calls
- Water billing turn on/off's, occupancy turn on's/off's
- Site Plan review, development inspections, and punch list development
- Adherence to safe work practices and procedures and ensure safety around work areas in high traffic

Collections Crew

Gabe Ruiz - Collections Supervisor

28 years of service - Certification PACP – MACP - LACP

Phill McDowell - Mechanic Operator

21 years of service

Bill Rabideau - Mechanic Operator

10 years of service - Certification PACP – MACP - LACP

Schad Sparks - Mechanic Operator

9 years of service - Certification PACP – MACP - LACP

Pete Berney - Mechanic Operator

4 years of service

Anthony Marshall - Mechanic Operator

3 years of service

22 - Lift Stations Operation**25 - Emergency Power Generators****1 – Equalization Basin****4000+ Sanitary Sewer Manholes****176+ Miles, Sanitary Sewer Lines**

- Performs preventive maintenance on the collection system including restoring pipe capacity by removing debris, sand, and grease from the main sewer
- Operates heavy equipment, cleans and repairs equipment, uses hazardous chemicals and works around raw sewage
- Operates CCTV inspection equipment. PACP, MACP, LACP Certified. Identifies major problems with pipes including cracks, damage, holes, and collapsed pipe. Inspects sewer systems for faulty connections or leaks as well as for illegal connections
- Performs work in confined spaces; performs necessary precautions prior to entering confined spaces with potential hazardous atmospheres; use of air quality monitors and ventilators
- Licensed State of Michigan CDL-A, Tanker, Air Brakes endorsement
- On-call 24/7, Responds to afterhours calls and emergency situations, as necessary. Serves in emergency standby capacity; provides customer service and performs all aspects of collection system maintenance and repair during after-hours periods including holidays and weekends
- Provides courteous customer service in a variety of conditions; responds to questions and inquiries from the general public; contacts property occupants in connection with sewer maintenance work, Responds to customer problems or complaints
- Performs -Home Property Inspections, Residential Flooding Prevention
- Adherence to safe work practices and procedures and ensure safety around work areas in high traffic

Operations & Maintenance Crew

Dave D’Haene - Operations/Maintenance Supervisor

15 years of service - Licensing A, S-3, D-4

Mike Stafford - Lab Crew Leader

16 years of service - Licensing A, S-3

Pat McGarry - Mechanic Operator

35 years of service

Mike Klein - Mechanic Operator

34 years of service

Dan Arntz - Mechanic Operator

24 years of service

Bill Lynch - Mechanic Operator

15 years of service - Licensing C

Mike Johns - Mechanic Operator

11 years of service

Bill Compton - Mechanic Operator

8 years of service

- WRRF is designated Class B Major Physical, Biological, & Chemical treatment processes
- 3 Biological treatment processes Non fixed film, Fixed film, & anerobic digestion
- Ultraviolet disinfection
- Biosolids-Land application

- Each day, Operations gathers samples and completes lab analysis of all state required parameters of the water entering and leaving the plant, i.e. Suspended Solids, (SS) Biological Oxygen Demand (BOD), Phosphate, Nitrogen, Fecal Coliform, ph
- VA/TA weekly to monitor Digester performance for optimum methane gas production for inhouse recourse recovery use
- Operate sludge press daily- Condition sludge and press approximately 900 tons annually
- Perform daily, weekly, monthly, semi-annual, & annual preventive maintenance WRRF- 10,000 work orders
- Daily operational equipment and process adjustments to match hydraulic flow to biological mass balance
- Performs work in confined spaces; performs necessary precautions prior to entering confined spaces with potential hazardous atmospheres; use of air quality monitors and ventilators
- On-call 24/7, Responds to afterhours calls and emergency situations, as necessary. Serves in emergency standby capacity; performs all aspects of WRRF maintenance and repair during after-hours periods including holidays and weekends
- Tank isolation, cleaning, Troubleshoot & repair and depending on the tank this work may little as a week or up to a year to complete
- Cleaning and housekeeping throughout WRRF

Utility Crew

Ken Herman - Water Quality Supervisor

24 years of service - Licensing C, S-1, Storm Water

Pete Hurst – Water Quality Inspector

23 years of service - Licensing B, S-1

Mike Cortis - Mechanic Operator

33 years of service

Justin Strack - Mechanic Operator

26 years of service

Brandon Kiefer - Mechanic Operator

9 years of service

Areas of Responsibility

- Industrial Pretreatment Program
- Cross Connection Program
- Storm Water Program
- Biosolids (Residuals Management)
- Grounds Management & Pesticide Application
- Fire Hydrant Maintenance
- Facility Maintenance
- Safety & Training
- Assist other areas of Utility Department as needed

- Perform inspections of industrial client’s facilities as well as all required sampling of their discharges.
- Responsible for enforcing all industrial clients permit requirements.
- Perform sampling at the WRRF for permit compliance.
- Perform inspections at all food service locations for Oil & Grease control practices.
- Collect samples for storm water permitting and perform inspections as directed by our NPDES permit.
- Responsible for grounds maintenance at the WRRF, all lift-stations, well houses, water towers and ground water tanks: includes mowing, edging, trash removal, tree/shrub/bush maintenance, snow removal and salting paved surfaces as necessary.
- Responsible for Fire Hydrant maintenance: Includes flushing, valve exercising/greasing, and coating (approximately 2,200 hydrants in our system).
- Responsible for WRRF’s residuals management program: includes maintaining a list of farmers willing to participate in our program as well as all necessary sampling, land applying, and state paperwork.
- Perform safety inspections as needed as well safety training for MIOSHA programs relevant to utility work. Examples: Confined Space Entry, Personal Protective Equipment, Respiratory Protection, Hazard Communication, Hazardous Energy Control, Machine Guarding, Forklift and Aerial Lift Platforms.
- Perform training for continuing education credits for water and wastewater licensing through EGLE.
- Responsible for facility items as it pertains to coating of all buildings, cleaning, trash removal, and the recycling of numerous materials (cardboard, scrap metal, batteries, etc.).
- The Utility Crew assists other areas within the department as necessary. This work may include: assisting on main breaks, water service installations, fire hydrant repairs, service calls, water service shut-offs, digester cleaning, clarifier cleaning, and sanitary sewer cleaning.
- The Utility Crew maintains the Department’s Cross Connection Program. Maintaining this program requires an inspection of every commercial/industrial facility for cross connections on a regular frequency. It also requires enforcement of back flow device testing (currently 1,245 devices require testing on a regular frequency). We routinely maintain a database that keeps track of when notification letters must be sent to businesses to have these devices tested.

Support Staff

Matt Kuch - Control Technician

28 yrs of service

Assistant Control Technician/Operator - Vacant

Will Wing - Mechanic

11 yrs of service

Control Technician:

- Develop and maintain Supervisory Control and Data Acquisition (SCADA) and alarm system
- Maintain SCADA hardware, computers, PLC's, gateways, switchgear, and radios
- Develop, build, and maintain control panels throughout Utility Department
- Troubleshoot and repair electrical or control equipment failures
- Perform sensor maintenance and calibrations
- Maintain flow logger data for hydraulic modeling of Collection system
- Review electrical prints and plans for site development

Assistant Control Technician/Operator:

- Works Closely with the Control Technician to develop skills for succession planning
- Work with the other crews to develop skills and large project manpower

Support Staff

Mechanic

- Maintains and repair vehicle fleet-All Township-97
- Maintains/assist maintenance and repair of Fire and ambulatory vehicles
- Maintains and repair Sheriff Vehicles assigned to Delta substation-24
- Maintains and repair small fuel powered equipment
- Maintains shop/garage equipment
- Commission and decommission of new Township fleet vehicles

- A1 – Engine Repair
- A4 – Suspension & Steering
- A5 – Brakes
- A6 – Electrical/Electronic Systems
- A7 – Heating & Air Conditioning
- A8 – Engine Performance
- A9 – Light Vehicle Diesel Engines
- Medium/Heavy Truck Technician
- T2 – Diesel Engines
- T4 – Brakes (50)
- T6 – Electrical/ Electronic Systems
- T8 – Preventive Maintenance Inspection
- The EVT Certification Commission, Inc. is a nonprofit corporation dedicated to improving the quality of emergency vehicle service and repair throughout the United States and Canada by means of a certification program that will provide technicians recognition for the education, training, and experience they have in the service and repair of emergency vehicles.
- Will is an Emergency Vehicle Technician Master Ambulance repair certified.
- E0 – Maintenance, Inspection, & Testing of Ambulances
- E1 – Design & Performance Standards of Ambulances
- E2 – Ambulance Electrical Systems
- E3 – Ambulance Heating, Air Conditioning, and Ventilation
- E4 – Ambulance Cab, Chassis, and Powertrain
- Will is also State of Michigan Master Mechanic Certified
- Auto Heating and Air conditioning
- Recreational Trailer
- Heavy Duty Truck Engine Repair Gasoline
- Heavy Duty Truck Engine Repair Diesel
- Heavy Duty Truck Drive Train
- Heavy Duty Truck Brakes and Braking System
- Heavy Duty Truck Suspension/ Steering Systems
- Heavy Duty Truck Electric System

Administrative Staff

Holly Stanley - Administrative Assistant

Kelly Webster - Administrative Assistant

Mike McKane - Deputy Director

Licensing B

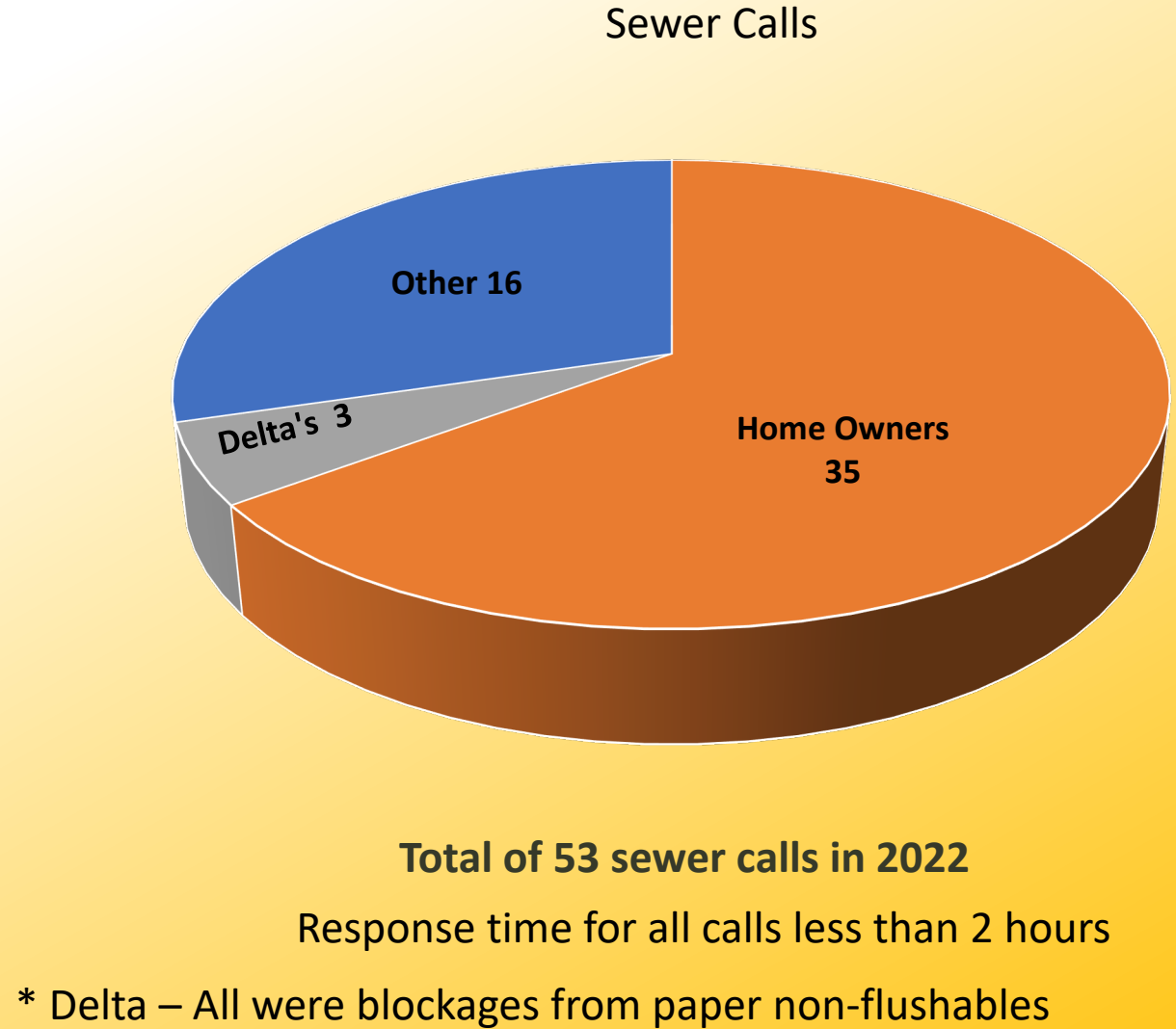
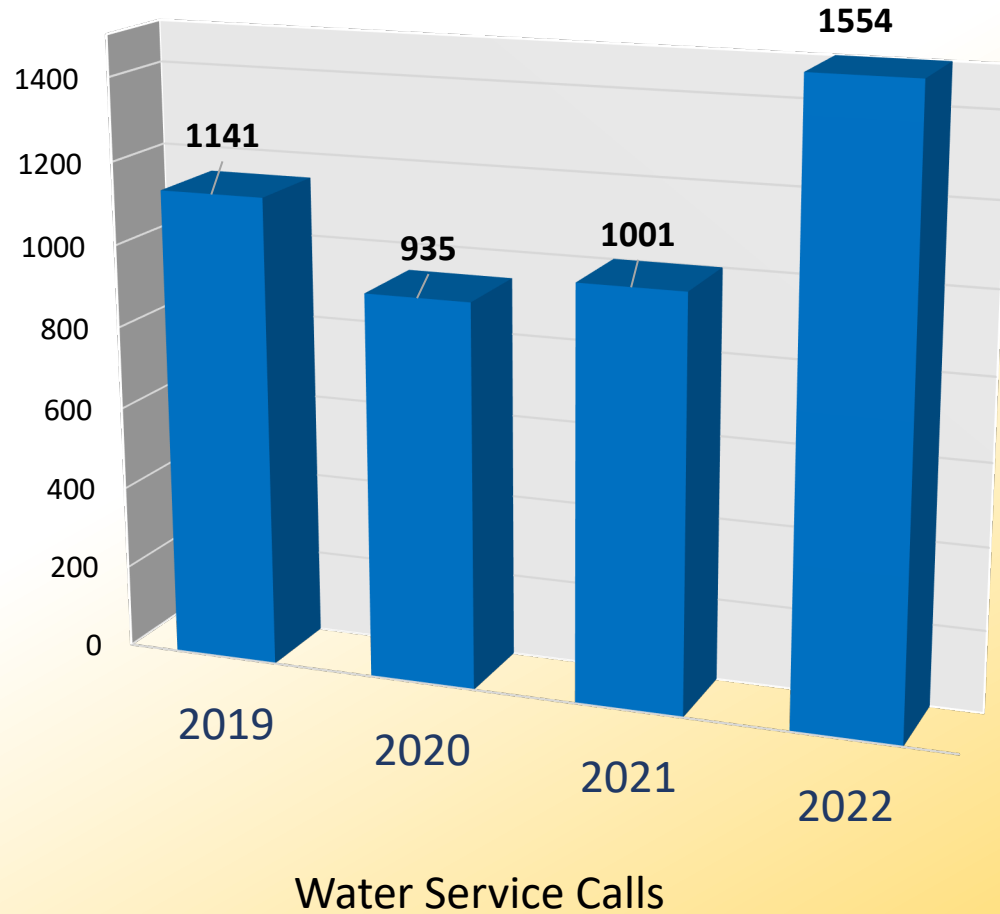
Rick Kane - Director

Licensing A, S-2, D-2, F-3, Storm Water

- Annual Water Quality Report
- Assist Water Quality Supervisor with Cross Connection program
- Customer Service
- GIS maps (limited)
- LBWL/Comcast billings
- Mail/document courier for WRRF/Water Ops/Admin Building
- Maintaining files in Laserfiche
- Monthly/annual reports
- Notary
- Office supplies
- Payroll
- Process invoices for payment
- Schedule training for employees
- Special projects
- UPS shipments
- Vehicle work order billing
- Calculating yearly sewer credits
- Distribution System Material Inventory records
- GM water meter tracking
- Maintaining FileMaker database records
- Maintaining files on water meters & related service calls
- MissDig tickets
- Monthly water turn offs for non-payment
- Phone coverage for department
- Reports to EGLE
- Sewer & water service calls
- Utility Dept. fee schedule updates
- Water service installation related communications & file maintenance

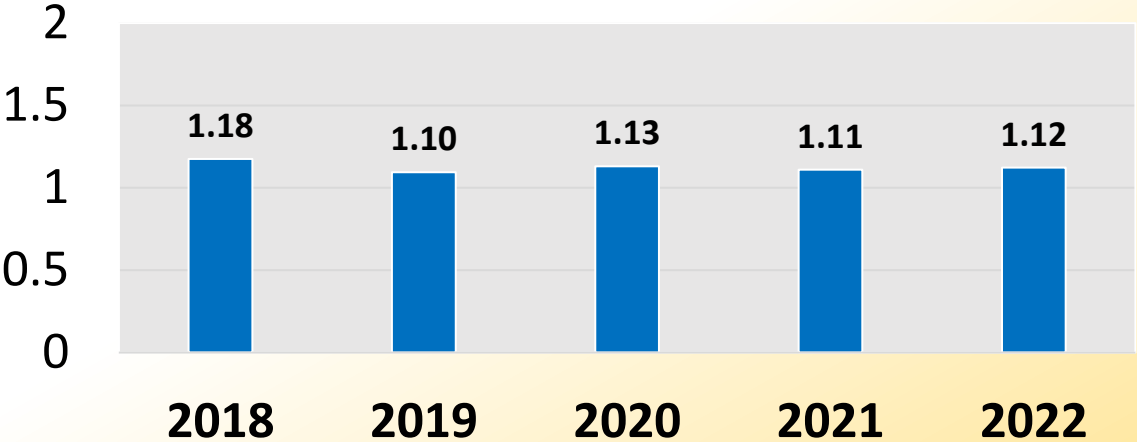
A Look at the Numbers

- **Strive to give great service to all our customers**

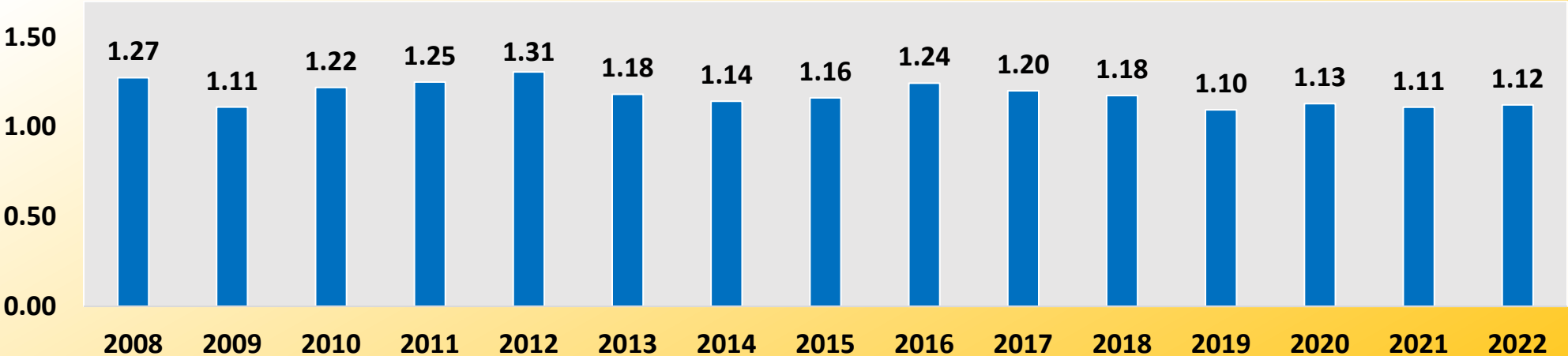


A Look at the Numbers

Five Year Water Sales Trend-Billion Gallons



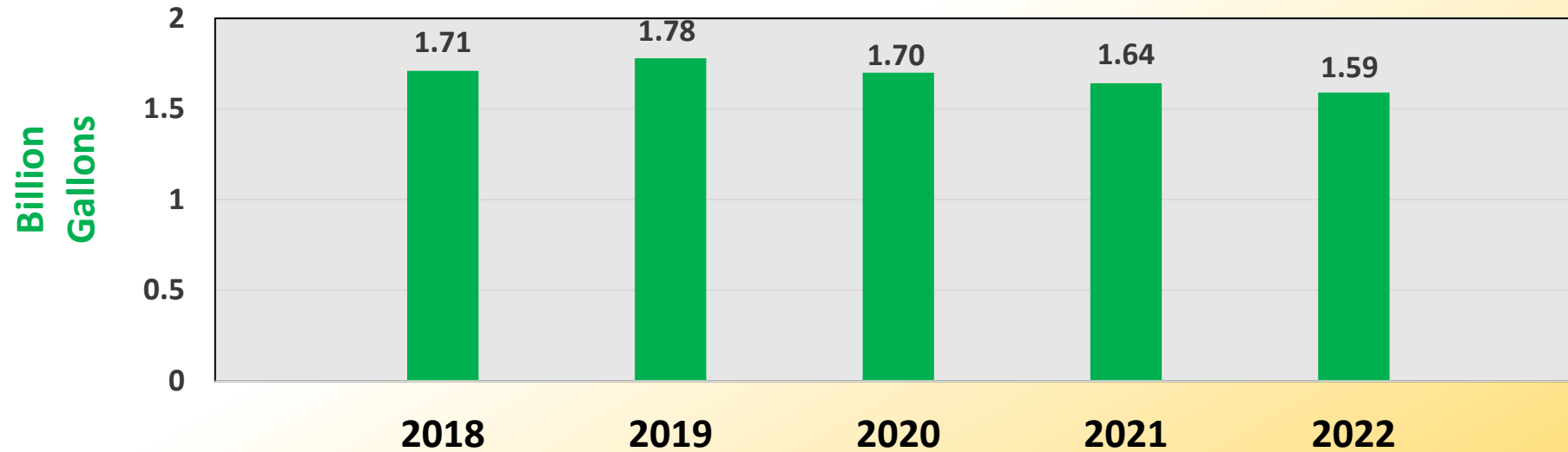
Fifteen Year Water Sales Trend-Billion Gallons



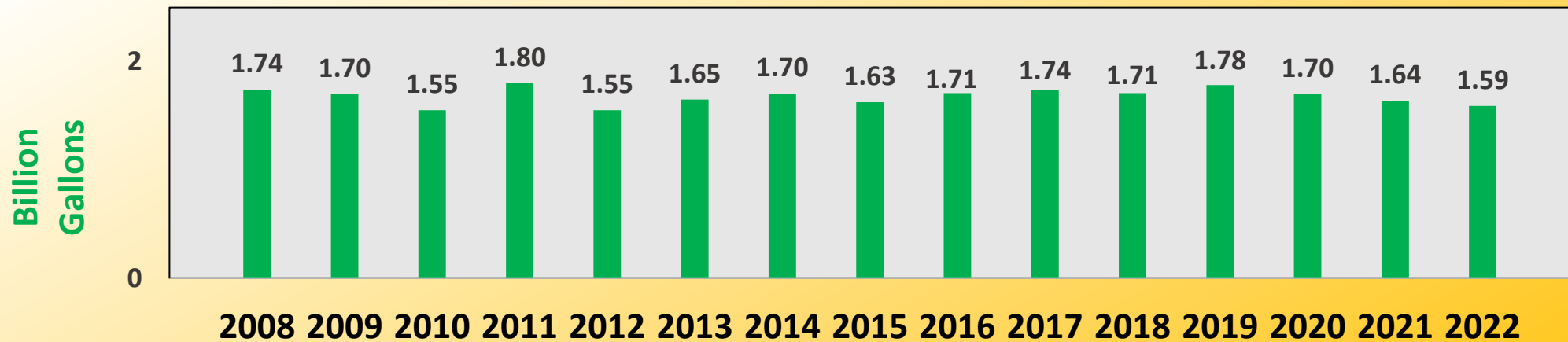
Daily average water 3.38 mgd

A Look at the Numbers

Five Year Water Resource Recovery Facility Water Processed Trend



Fifteen Year Water Resource Recovery Facility Water Processed Trend



Daily Average flow 2020 4.36 mgd

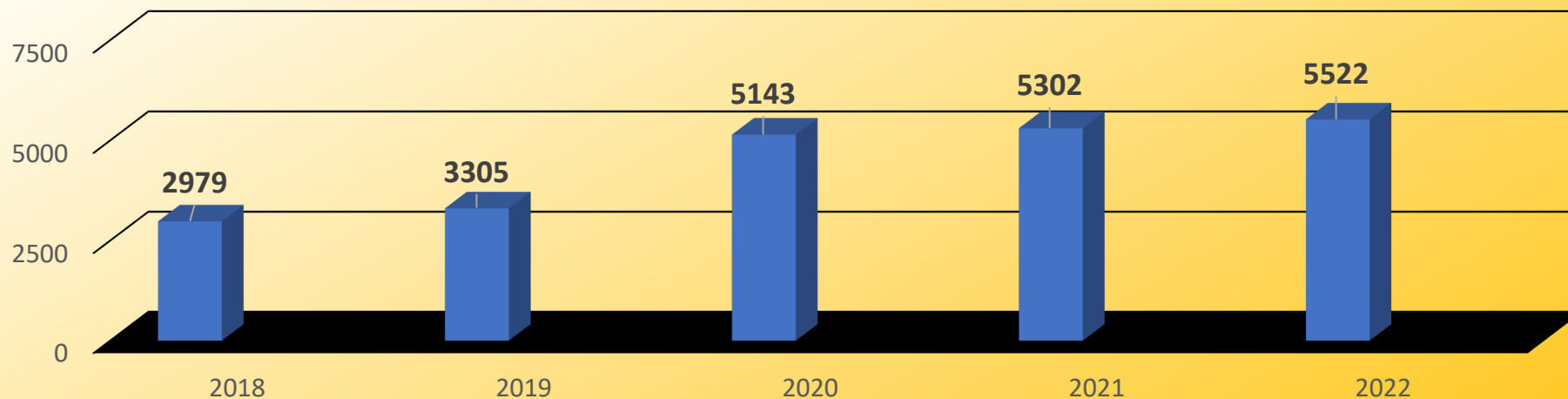
A Look at the Numbers

Misssidig Staking Numbers

Delta is part of the Misssidig system. We stake our Water and Sewer Utilities using our own staff as opposed to a third-party contractor. The Water infrastructure is marked with blue flags and paint, Sewer is marked with green flags and paint. The flags have Delta Township logo and Utility Department contact information.

This year we had a significant increase of the number of tickets due to Metronet running fiber throughout the Township. This also differed from previous years due to normally a Misssidig ticket is for a single address. This year with the Fiber installations we encountered a single ticket to mark an entire street or subdivision.

MisDig Tickets



Purchased in 2022



Bobcat Excavator

Sensus AMI/TGB unit



Combination Cleaner Truck



Several Lift Station Pumps-Westland lift station pump

Purchased in 2022

Accomplishments in 2022

50' Secondary Digester Cleaning

WRRF 50' Secondary Digester cleaning performed in-house by our staff. This was a difficult year-long process of pumping heavy sludge and removing large amounts of “Flushables” paper products that are flushed into our sewer systems by both private residences and industrial customers.



Accomplishments in 2022

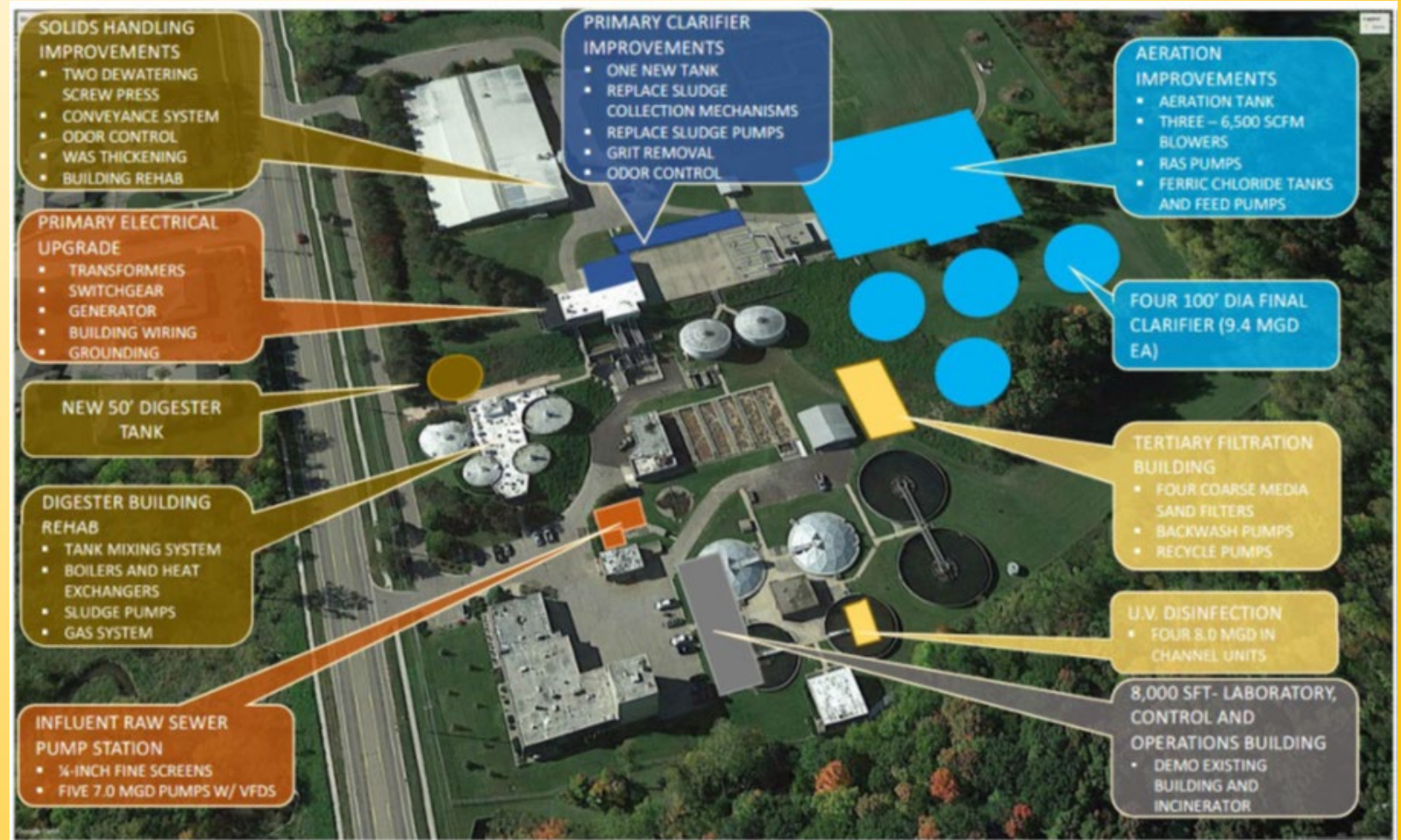
Willow Ground Storage Tank

- Willow Ground Storage Tank exterior was repainted.
- To keep inline with our Strategic plan “*I AM DELTA*” logo painted facing the I-96 highway.



Delta Township WRRF Major Capital Improvements

- Phase I improvements
 - Influent structure and rework of the three sewage flows into plant
 - Headworks Screening, compaction & disposal, influent pumping
 - Grit chambers, grit classifiers, Grit building renovation
 - Aeration Basins, Blower/RAS/Chemical feed building
 - Electrical building, new electrical feeds, back up power generation
 - Control building, laboratory, staff offices and facilities
 - Radio tower and communications and SCADA



Delta Township WRRF Major Capital Improvements

Control Building-Scheduled to be turned over to Delta for occupancy May 1st



Delta Township WRRF Major Capital Improvements

Aeration Basin-five cells, fine bubble biological treatment



Delta Township WRRF Major Capital Improvements



Electrical Switch Gear building

- **Blower Building, RAS Building, Chemical Feed**
 - Start Construction Mid May 2023

- **Headworks Building –Raw influent pumping and screening**
 - Start construction May 2023

Delta Township WRRF Major Capital Improvements



Planning and Projects in 2022

Working with Engineering

- Ultium Bid pack 1, 2, 3, & 4 water and sewer work
- Willow lift station and Force main expansion
- OHM Sewer system Hydraulic modeling and Flow logging
 - Michigan Avenue wet weather peak flow hydraulic flow modeling
- Carrier Creek Lining project
- Abandoning Discontinued Water Wells & Capping of Wells
- Market Drive Lift Station service area capacity studies
- Several property sewer availability studies
 - 4300 Saginaw
 - Mall Drive
- Watermain replacement and pathway St. Joe

Projects in 2023

Millet Tower

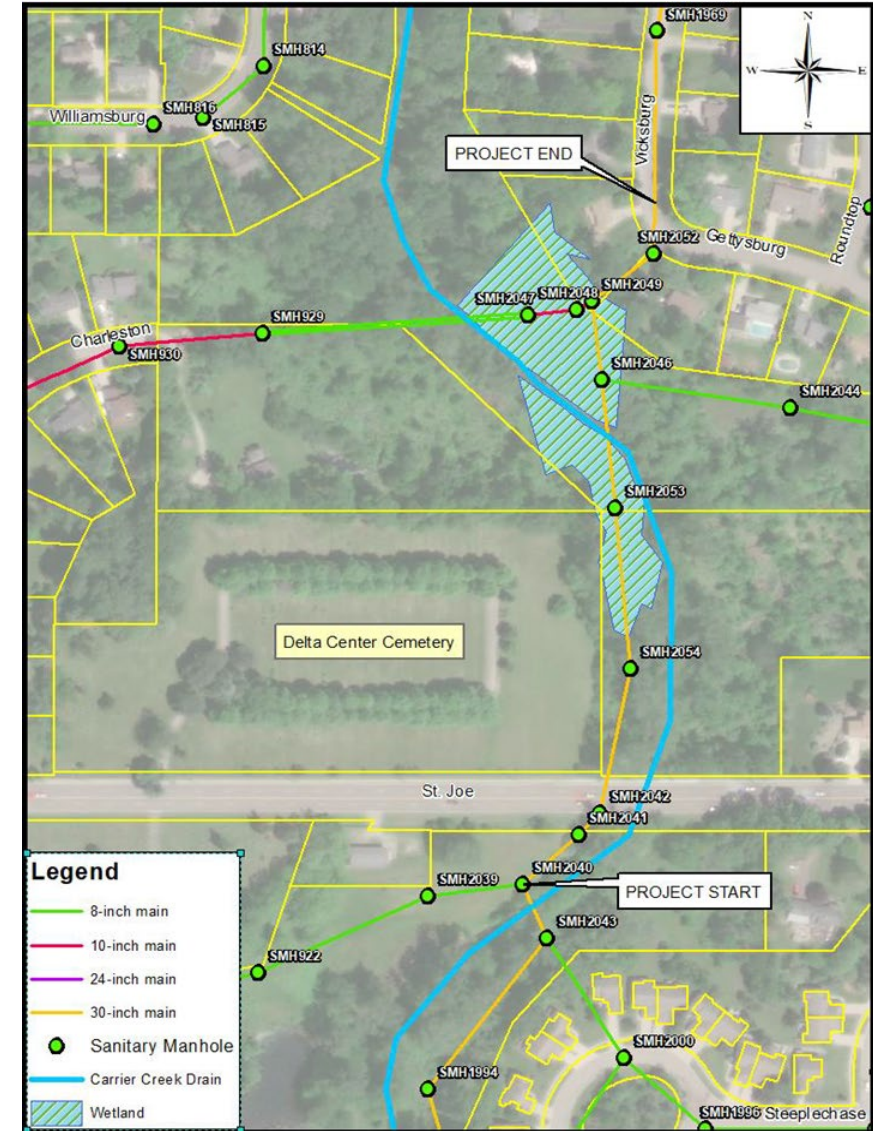
- Minor repairs made to bring tower back into 10 states standards
- Changes to climbing fall prevention devise
- Antenna mast modification for new high speed data information system
- Change out aviation light to LED
- Replace plugged sensor line
- Repaint interior of tank for water quality and tank longevity
- Update the Cathodic protection



Projects in 2023

Carrier Creek Repair

- Tetra Tech consulting firm hired to design 1200 feet of 30' diameter sewer pipe to be repaired from the South side of St. Joe Hwy running North to Gettysburg Road. This section of sewer has significant sagging and has a possible pipe separation under Carrier Creek crossing.
- Replacement 30" concrete sewer pipe to be replaced with a lighter weight 36" plastic pipe with either engineered fills or set on spiral pilings to support and eliminate possible sagging of pipe in future



Thank you for your support

Questions?

