

MARSHALL TOWNSHIP FIRE BOARD AGENDA

MARSHALL TOWNSHIP HALL, 13551 Myron Avery Drive, Marshall, MI 49068

January 9, 2024 4pm

- I. Call to Order
- II. Pledge of Allegiance
- III. Election of Officers
 - a. Chairperson
 - b. Vice Chairperson
 - c. Secretary
- IV. Public Comments on agenda items
- V. Approve Minutes October 10, 2023
- VI. Fire Chief's Report and quarterly activity report
- VII. New Business
 - Approve preliminary building/site plan for new Station 1
 - Authorize issuing RFP for new truck
 - 2024-25 Budget

 - Such other business as may properly be considered
- VIII. Public Comments
- IX. Board Member Comments
- X. Adjourn

Marshall Township Fire Board Minutes
October 10, 2023

The meeting was called to order by Chairman Lyng at 4:00 pm

Present: Bob Lyng, Arnold Tew, Sue George, and Jeff Collins

Also Present: Fire Chief Jay Riggs, Emily Emersen-Rich, Nathan Wagner

Pledge of Allegiance was led by Jay Riggs

Reviewed the minutes of the July 11, 2023 meeting. Moved by Tew, 2nd by Collins, to accept the minutes as written, motion passed.

Public Comments – Emily Emersen-Rich spoke on the minutes from 7-12-23 regarding her name was misspelled in section VII: Public Comments and she is not part of the Committee for Marshall-Not The Megasite. Corrections are noted and will be changed.

Fire Chief's Report – Chief Riggs reported the Twp. Board has asked that the quarterly report have more details including the following information: fires, medicals, mutual aid calls, both given and received, accidents and number of firefighters responding to the calls. Also training for the quarter including: training subject and number of firefighters attending.

Total calls for 2023 are 297 with 90 calls in the last quarter 7-1 to 9-30-23.

New Business:

Chief Riggs presented to the Board the pricing for the new fire engine. This new fire engine will be replacing the current 2006 Engine 13.

Spartan - \$850,000.00 with a two-to-three-year build time. This price does not include the new NFPA specifications for Powertrain and Emission requirements. It is estimated when a powertrain is manufactured to meet the requirements it will add \$40,000.00 + to the price.

Pierce - \$900,000.00 - \$910,000.00 with a two-to-three-year build time. This price includes the new NFPA Powertrain and Emission requirements.

Both manufactures indicated to Chief Riggs after November 1, 2023 the prices will increase 1 to 2 percent.

Chairperson Lyng stated that under Twp. By-laws the bids must be advertised. Chairperson Lyng will work with the Twp. Board to have the bid advertised.

Public Comment – Emily Emersen-Rich, 616 Union St. Marshall, asked about replacing the 2002 Grass Truck. Chief Riggs stated the Grass Truck has seen less use this past year due to the purchase of the Ford Explorer to run the medical calls and the truck itself is still in good working order. Mrs. Emersen-Rich also stated that new fleet vehicles are also on 3-year build timeline.

Board Member Comments – Sue George asked about the staffing. Chief Riggs stated at this time the staffing levels are good, with 2 to 3 firefighters responding to medical calls and 10 to 12 firefighters responding to fires and accident calls.

Next meeting: January 9, 2024 at 4:00 pm

Adjourned: 4:36 pm

Respectfully submitted,

Jeff Collins

A handwritten signature in black ink that reads "Jeff Collins". The signature is written in a cursive, slightly slanted style.

Fire Board Secretary

Marshall Township Fire Station No. 1 13550 Myron Avery Drive Marshall, MI 49068

UTILITY COMPANIES

TELEPHONE
ADIRTECH
54 NORTH HILL STREET
PONTIAC, MICHIGAN
PH: 248-454-8209

CABLE
KODAKHILL INTERNET DEPARTMENT
323 WEST MICHIGAN AVE.
MARSHALL, MI 49068
PH: 269-781-5163

ELECTRICAL
SKEGSHILL PUBLIC POWER
323 WEST MICHIGAN AVE.
MARSHALL, MI 49068
PH: 269-781-5163

GAS
ECONOMERS ENERGY COMPANY
1030 FEATHERSTONE RD.
PONTIAC, MI 48342
PH: 858-4448

WARNING
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Orientation	Scale

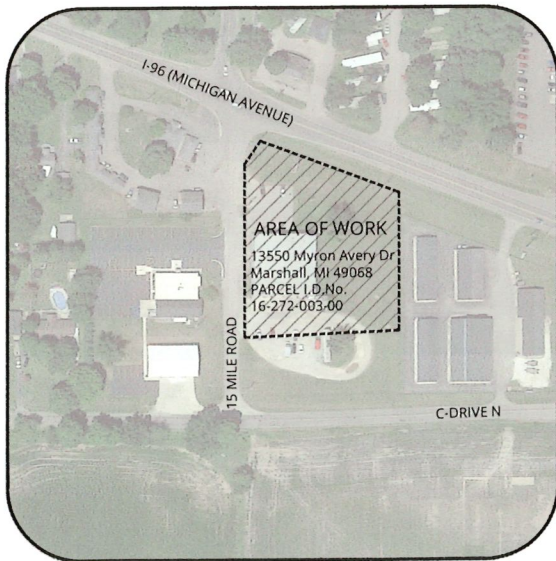
Project
**MARSHALL TOWNSHIP
FIRE STATION NO. 1**



Project Location
**13550 MYRON AVERY DRIVE
MARSHALL, MI 49068**

LEGAL DESCRIPTION

LAND SITUATED IN THE STATE OF MICHIGAN, COUNTY OF CALHOUN, TOWNSHIP OF MARSHALL.
THE WEST 165 FEET OF THE SOUTHWEST 1/4 OF THE NORTHWEST 1/4 OF SECTION 27, TOWN 2 SOUTH, RANGE 6 WEST, LYING SOUTH OF OLD U.S. 12, EXCEPT THE NORTH 35 FEET.



OVERALL SITE PLAN
NOT TO SCALE

OWNER

MR. JAMES DURIAN
CEO
MARSHALL AREA ECONOMIC DEVELOPMENT ALLIANCE
323 WEST MICHIGAN AVENUE
MARSHALL, MICHIGAN 49068

SURVEYOR

SME
43000 PLYMOUTH OAKS BLVD.
PLYMOUTH, MI 48170
CONTACT: MR. JEFFREY S. EVANS, PS
PH: 734-454-9500

ARCHITECT

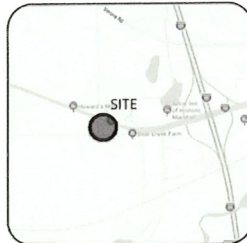
ALLIED DESIGN ARCHITECTURAL &
ENGINEERING GROUP, P.C.
100 S. FRESHWATER DR. BOX 110
MORTON, IL 61550
CONTACT: MR. MARK BRININGER
SALES CONSULTANT
PH: 309-263-8100

ENGINEER

SME
15825 LEONE DRIVE
MACOMB, MI 48042
CONTACT: MR. AARON REED
586-731-3100
734-454-9500
313-922-7000
www.sme-usa.com
SME PROJECT NO. 094551.00

LIST OF DRAWINGS

SHEET No.	SHEET TITLE
C-100	COVER SHEET
C-101	GENERAL PROJECT NOTES
C-200	EXISTING SITE CONDITIONS
C-300	SESC AND SITE PREPARATION PLAN
C-400	REMOVAL PLAN
C-500	SITE LAYOUT PLAN
C-600	PAVING AND GRADING PLAN
D-100	DETAILS
D-101	CITY/COUNTY DETAILS



LOCATION MAP
NOT TO SCALE



**CALHOUN
COUNTY MAP**
NOT TO SCALE



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**PRELIMINARY - NOT
FOR CONSTRUCTION!**

Revisions	DATE	BY

Date	12/15/2023
SME Project No.	094551.00
Project Manager:	J. GRAVES
Designer:	A. REED
CADD:	J. BIOS
Checked By:	A. REED
Reviewed By:	J. GRAVES
Sheet Name:	COVER SHEET
Sheet No.	C-100

CONSTRUCTION SITE SAFETY IS THE RESPONSIBILITY OF THE CONTRACTOR. NOT FOR THE OWNER. THE OWNER SHALL BE RESPONSIBLE TO OBTAIN NECESSARY PERMITS AND TO OBTAIN ALL NECESSARY PERMITS IN THE STATE OF MICHIGAN.

GENERAL NOTES

- 1. MATERIAL AND CONSTRUCTION METHODS SHALL FOLLOW THE PRACTICE DERIVED BY THE LATEST EDITION OF THE MANUAL OF STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION AND PAVEMENT CONSTRUCTION UNLESS OTHERWISE SPECIFIED OR NOTED ON THE PROJECT DRAWINGS.

SITE GRADING NOTES

- 1. PROPOSED ELEVATIONS ARE SHOWN WHERE SIGNIFICANT GRADE CHANGES ARE ANTICIPATED. PROPOSED SPACES ARE NOT SHOWN. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING POSITIVE DRAINAGE WITH MIN. SLOPE OF 1% IN DOWNHILL DIRECTIONS. SLOPE SHOULD BE MAINTAINED.

ABBREVIATIONS USED IN DRAWINGS

- A ASPHALT
- AS ASPHALT SURFACE
- B BENCH MARK
- CA CONCRETE
- CC CONC
- CD CONDUIT
- CE CURB
- CF CORRUGATED FIBERGLASS
- CG CORRUGATED GALV. STEEL
- CH CHALK
- CI CONCRETE IN PLACE
- CM CONC. MASS
- CMC CONC. MASS CURB
- CP CONC. PAVEMENT
- CPW CONC. PAVEMENT WITH WEAR SURFACE
- CR CURB
- CS CONCRETE
- CSG CORRUGATED STEEL GALV.
- CT CONC. TOPPING
- CU CURB
- CV CORRUGATED PLASTIC PIPE
- CPW CONC. PAVEMENT WITH WEAR SURFACE
- CPW CONC. PAVEMENT WITH WEAR SURFACE
- CPW CONC. PAVEMENT WITH WEAR SURFACE

DEFINITIONS USED IN DRAWINGS

THE FOLLOWING DEFINITIONS ARE USED ON THESE PLANS



Project Location: MARSHAL TOWNSHIP FIRE STATION NO. 1

Project Location: 13550 MYRON AVERY DRIVE MARSHALL, MI 49068

Engineer's Seal

PRELIMINARY - NOT FOR CONSTRUCTION

Table with 4 columns: No., Description, Date, Status. Row 1: 1, General Notes, 12/15/2023, Open.

Date: 12/15/2023

SME Project No: 094331.00

Project Manager: J. GRAVES

Designer: A. REED

CADD: J. BIGGS

Checked By: A. REED

Reviewed By: J. GRAVES

Sheet No: GENERAL PROJECT NOTES

Sheet No: C-101



WARNING: THE INFORMATION ON THESE PLANS IS PRELIMINARY AND NOT FOR CONSTRUCTION. ANY CHANGES TO THE PLANS SHALL BE MADE BY THE ENGINEER'S OFFICE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THE ACCURACY OF ALL INFORMATION ON THESE PLANS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS PRIOR TO CONSTRUCTION.

SURVEY NOTE

- 1. THE SURVEY DATA DEVELOPED BASED ON DATA PROVIDED BY THE OWNER AND A PROFESSIONAL SURVEYOR. THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING THE LOCATION OF EXISTING UTILITIES AND SURVEY DATA. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MARKING AND PROVIDING POSITIVE DRAINAGE.

EARTHWORK NOTES

- 1. ALL MATERIALS TO BE PLACED IN PLACE SHALL BE COMPACTED TO NOT LESS THAN 95% OF THE MAXIMUM DRY DENSITY OF THE MATERIAL AS DETERMINED BY THE METHOD SPECIFIED IN THE MANUAL OF STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION.

EARTH EXCAVATION NOTES

- 1. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO PROVIDE NECESSARY STORAGE AREAS FOR EXCAVATED MATERIAL, WHICH MAY BE USED AS FILL OR REWORK. AN OFF-SITE AREA AT A DISTANCE AS DETERMINED BY THE ENGINEER. ANY OFF-SITE AREAS FOR EXCAVATED MATERIAL IS CONSIDERED INCLUDED IN THE PAY ITEM.

SOIL BORING NOTES

- 1. THE SOIL BORING LOGS SHOULD SHOW LOCATION AND DO NOT ASSURE THAT THE SURFACE CONDITIONS ARE THE SAME AS IN THE SOIL BORING LOGS. SOIL BORING LOGS ARE FOR INFORMATION ONLY. SOIL BORING LOGS ARE AVAILABLE UPON REQUEST ACCORDING WITH THE SPECIFICATIONS.

GENERAL PAVING NOTES

- 1. NEW PAVEMENT SHALL BE OF THE TYPE, THICKNESS AND CROSS SECTION INDICATED ON THE PLANS.
- 2. MATCH EXISTING PAVEMENT WHERE NEW PAVEMENT ADJACENT EXISTING PAVEMENT OR OTHER PAVED SURFACES.
- 3. CONTRACTOR SHALL MATCH EXISTING EXISTING MATERIALS UNLESS OTHERWISE SHOWN ON THE PLANS. CONTRACTOR SHALL DOCUMENT EXISTING STRIPING PRIOR TO BEGINNING OF ANY PAVEMENT.

TRAFFIC CONTROL NOTES

- 1. OBTAIN WRITTEN PERMISSION FROM OWNER'S REPRESENTATIVE WHEN ROADWAY IS TO BE CLOSED AND PAVING LOTS NEED TO BE CLOSED PRIOR TO CLOSING AND PAVING AREA.
- 2. SUBMIT ALL PROJECT TO OWNER'S REPRESENTATIVE AT LEAST SEVEN (7) DAYS PRIOR TO THE ANTICIPATED DATE OF CLOSURE AND PAVING AREA.
- 3. PROVIDE ADEQUATE TRAFFIC CONTROL AND CLOSURE OF EXISTING TRAFFIC ROUTES AS NECESSARY TO PROTECT OWNER'S REPRESENTATIVE.

DEMOLITION/REMOVAL NOTES

- 1. DEMOLISH ALL EXISTING PAVEMENT, SIDEWALKS AND CURB DESIGNATED TO BE DEMOLISHED AT THE LIMITS OF WORK SHOWN ON THE PLANS OR INDICATED BY THE FIELD.
- 2. REMOVE ONLY THE STRUCTURES AND EQUIPMENT WITHIN THE LIMITS OF WORK AS SHOWN ON THE PLANS AND EXISTING STRUCTURES. ALL OTHER STRUCTURES AND EQUIPMENT SHALL BE PRESERVED AS REQUIRED.
- 3. ALL EXISTING UNDERGROUND UTILITIES WITHIN THE AREA OF WORK SHALL REMAIN AND BE PROTECTED DURING CONSTRUCTION. UNLESS OTHERWISE SPECIFIED TO BE REMOVED. CONTRACTOR SHALL MARK AND IDENTIFY ALL EXISTING UTILITIES PRIOR TO COMMENCEMENT OF EXCAVATION OR DEMOLITION.

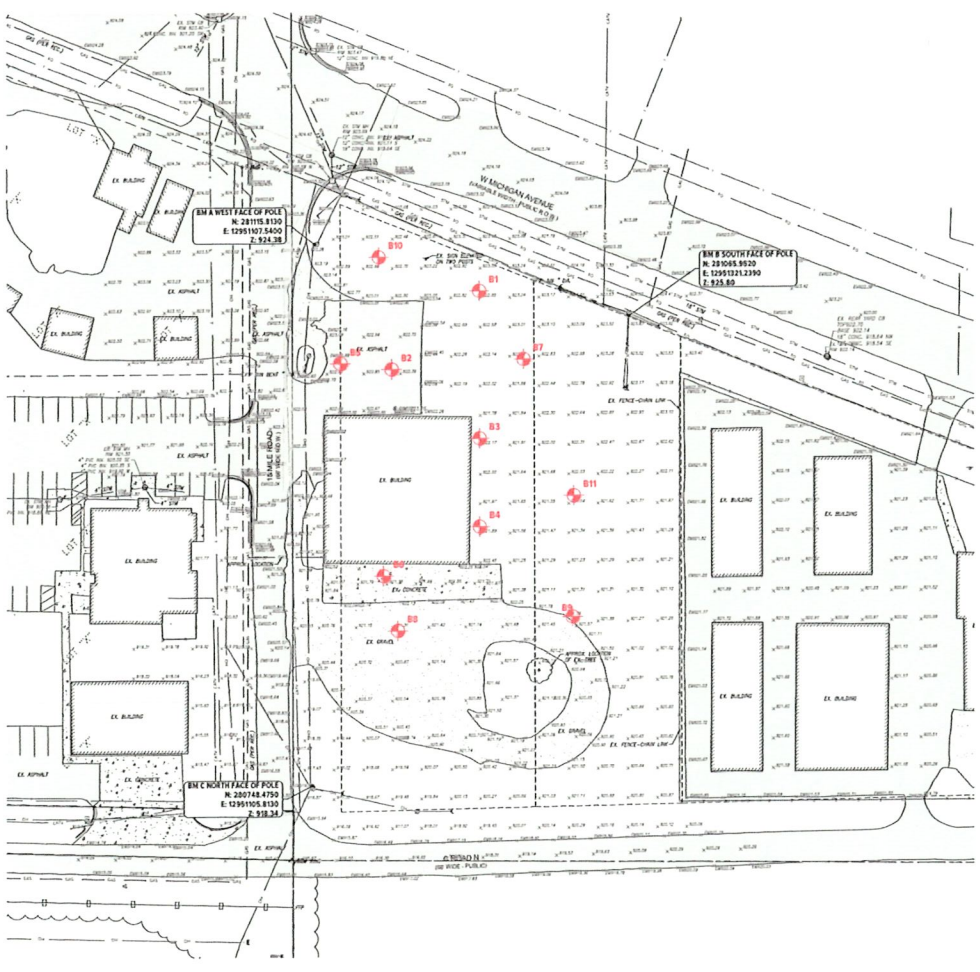
CURB REPAIR NOTES

- 1. MATCH CURB AREAS DESIGNATED FOR REPAIR AT THE LIMITS MARKED IN THE FIELD BY OWNER'S REPRESENTATIVE.
- 2. REMOVE EXISTING CURB AT POINTS DRAINING DRAINAGE OR SPALLS TO ADJUST DRAINAGE OR TO REPLACE TO THE SATISFACTION OF THE OWNER AT NO ADDITIONAL COST.
- 3. DRAIN AND PROTECT THIS CURB AT A MINIMUM 10% SLOPE TO EXISTING DRAINAGE OR TO REPLACE TO THE SATISFACTION OF THE OWNER AT NO ADDITIONAL COST.

CLEANUP AND RESTORATION NOTES

- 1. PROTECT EXISTING AREAS OUTSIDE OF PROJECT LIMITS DURING CONSTRUCTION. RESTORE ALL EXISTING AREAS TO MATCH EXISTING CONDITIONS, UNLESS OTHERWISE NOTED ON THE PROJECT PLANS. RESTORE EXISTING AREAS WITH MINIMUM OF 1% SLOPE AND 1/4" GRADE COMPENSATION NOTES ON THE PLANS. PAVING SHALL BE USED WITH EXISTING MATERIALS AND PAVING AND ANY EXISTING AREAS RESTORED TO THE SATISFACTION OF THE OWNER.

Vertical text on the right edge of the page.



BENCHMARK DATA

BM A
WEST FACE OF POWER POLE
N: 201110.89
E: 1291117.840
ELEVATION: 152.81
INSTRUMENTATION

BM B
SOUTH FACE OF POWER POLE
N: 201110.89
E: 1291117.840
ELEVATION: 152.81
INSTRUMENTATION

BM C
NORTH FACE OF POWER POLE
N: 201110.89
E: 1291117.840
ELEVATION: 152.81
INSTRUMENTATION



EXISTING LEGEND

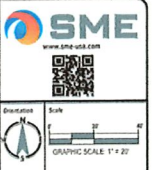
CONTOUR
INDEX CONTOUR
WATER MAIN
STORM SEWER
SANITARY SEWER
CABLE TV
FIBER OPTIC
ELECTRICAL
CHARLUM FENCE
IRON FENCE
WOOD FENCE
WOODLAND
GATE PILE
POST INDICATOR VALUE (PIV)
WATER MAIN MANHOLE
STORM CATCH BASIN
SANITARY CATCH BASIN
SEWER MANHOLE
SANITARY MANHOLE
END SECTION
STORM MANHOLE
CLEAN OUT
SIGN
UTILITY POLE
POLE
LIGHT POLE
LANDSCAPE LIGHT
SPRING
ELECTRICAL BOX/TRANSFORMER
ROAD POLE
TOP OF CURB
GUTTER
EX. GRADE
EDGE OF ASPHALT
TOP OF ASPHALT
BOTTOM OF ASPHALT
TREE
CONCRETE
ASPHALT PAVEMENT
GRAVEL
SIP RAMP

- NOTES**
1. CURB BASED ON MICHIGAN STATE PLAN COORDINATED SYSTEM SOUTH ZONE, 1983 DATUM.
 2. THIS SURVEY WILL NOT SHOW ALL DIMENSIONS OF EXISTING UTILITIES UNLESS THEY ARE SHOWN AS BUILT. DIMENSIONS TO THE SURVEYOR BY THE OWNER.
 3. ALL ELEVATIONS ARE EXISTING UNLESS NOTED OTHERWISE.
 4. THE LOCATION OF THE EXISTING UTILITIES AS SHOWN HEREON IS BASED ON RECORDS AND FIELD SURVEY. THE CONTRACTOR SHALL VERIFY THE LOCATION OF ALL UTILITIES AT THE FIELD LOCATION OF ALL UTILITIES.
 5. NO BOUNDARY SURVEY WAS PERFORMED.



WARNING

THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THE LOCATION OF ALL UTILITIES AT THE FIELD LOCATION OF ALL UTILITIES. THE CONTRACTOR SHALL VERIFY THE LOCATION OF ALL UTILITIES AT THE FIELD LOCATION OF ALL UTILITIES.



Project Location
**MARSHAL TOWNSHIP
FIRE STATION NO. 1**

13550 MYRON AVERY DRIVE
MARSHALL, MI 49068

Revision

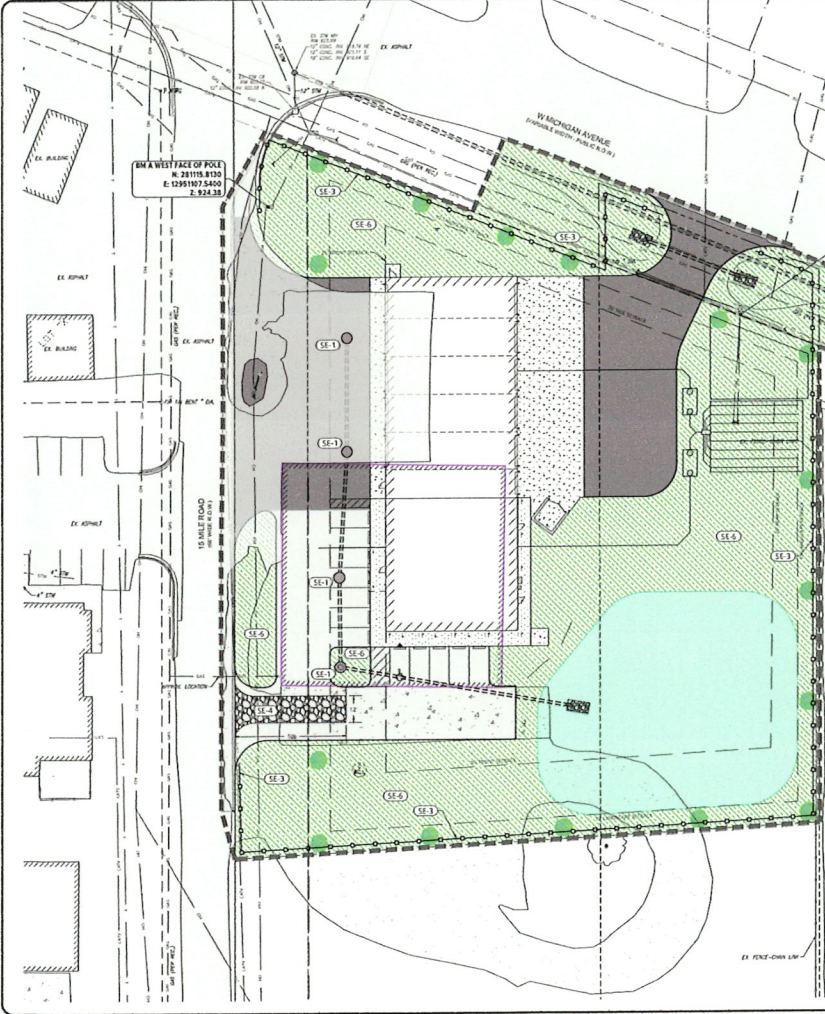
NO.	DESCRIPTION	DATE

Revisions

NO.	DESCRIPTION	DATE

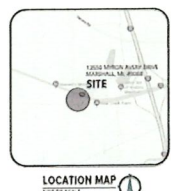
EXISTING SITE CONDITIONS

Date	12/15/2023
SME Project No.	054551.00
Project Manager:	J. GRAVES
Designer:	A. REED
CADD:	J. BROS
Checked By:	A. REED
Reviewed By:	J. GRAVES
Sheet No.	C-200



EXISTING LEGEND

CONTOUR	1' = 10'
ROCK CONTROL	
WATER MAIN	
STORM SEWER	
SEWER	
UTILITY	
ELECTRIC	
CONCRETE	
ASPHALT	
GRAVEL	
EXISTING	
NEW	
PROPOSED	
REMOVE	
EXISTING	
NEW	
PROPOSED	
REMOVE	



SOIL EROSION CONTROL LEGEND

SE-1	FLURISH AND INITIAL SILT FENCE PER GOVERNANCE AGENCIES STANDARDS AND SPECIFICATIONS
SE-2	FLURISH AND INITIAL SILT FENCE PER GOVERNANCE AGENCIES STANDARDS AND SPECIFICATIONS
SE-3	FLURISH AND INITIAL SILT FENCE PER GOVERNANCE AGENCIES STANDARDS AND SPECIFICATIONS
SE-4	FLURISH AND INITIAL SILT FENCE PER GOVERNANCE AGENCIES STANDARDS AND SPECIFICATIONS
SE-5	FLURISH AND INITIAL SILT FENCE PER GOVERNANCE AGENCIES STANDARDS AND SPECIFICATIONS
SE-6	FLURISH AND INITIAL SILT FENCE PER GOVERNANCE AGENCIES STANDARDS AND SPECIFICATIONS
SE-7	FLURISH AND INITIAL SILT FENCE PER GOVERNANCE AGENCIES STANDARDS AND SPECIFICATIONS

BENCHMARK DATA

BM A WEST FACE OF POLE	N. 281118.8120	E. 12991197.5420	E. 924.28
BM B SOUTH FACE OF POLE	N. 281016.9320	E. 12991321.2390	E. 925.82

EROSION CONTROL

EROSION CONTROL MEASURES SHALL BE INSTALLED AND MAINTAINED THROUGHOUT CONSTRUCTION AND SHALL REMAIN IN PLACE UNTIL THE SLOPE IS STABILIZED AND VEGETATION HAS ESTABLISHED. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE MAINTENANCE OF ALL EROSION CONTROL MEASURES THROUGHOUT CONSTRUCTION AND SHALL BE RESPONSIBLE FOR THE REMOVAL OF EROSION CONTROL MEASURES UPON COMPLETION OF CONSTRUCTION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE MAINTENANCE OF ALL EROSION CONTROL MEASURES THROUGHOUT CONSTRUCTION AND SHALL BE RESPONSIBLE FOR THE REMOVAL OF EROSION CONTROL MEASURES UPON COMPLETION OF CONSTRUCTION.

ZONING

PROJECT LOCATED IN ZONING: R-2 - RESIDENTIAL SINGLE-FAMILY

OWNER

811

LEGAL DESCRIPTION

LAND SITUATED IN THE CITY OF MARSHALL, COUNTY OF CALHOUN, TOWNSHIP OF MARSHALL, THE WEST 1/4 OF THE SOUTHWEST 1/4 OF THE NORTHWEST 1/4 OF SECTION 14, TOWNSHIP 2 NORTH, RANGE 4 WEST, LINGUANGUIE TOWNSHIP, CALHOUN COUNTY, MICHIGAN.

SOIL TYPES ON SITE

214 Kalamazoo loam, S10 2 percent clay

811 Know what's below. Call before you dig.

WARNING! THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE MAINTENANCE OF ALL EROSION CONTROL MEASURES THROUGHOUT CONSTRUCTION AND SHALL BE RESPONSIBLE FOR THE REMOVAL OF EROSION CONTROL MEASURES UPON COMPLETION OF CONSTRUCTION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE MAINTENANCE OF ALL EROSION CONTROL MEASURES THROUGHOUT CONSTRUCTION AND SHALL BE RESPONSIBLE FOR THE REMOVAL OF EROSION CONTROL MEASURES UPON COMPLETION OF CONSTRUCTION.

SEE SHEET D-101 FOR SWPPP NOTES AND DETAILS

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Orientation Scale
GRAPHIC SCALE 1" = 20'

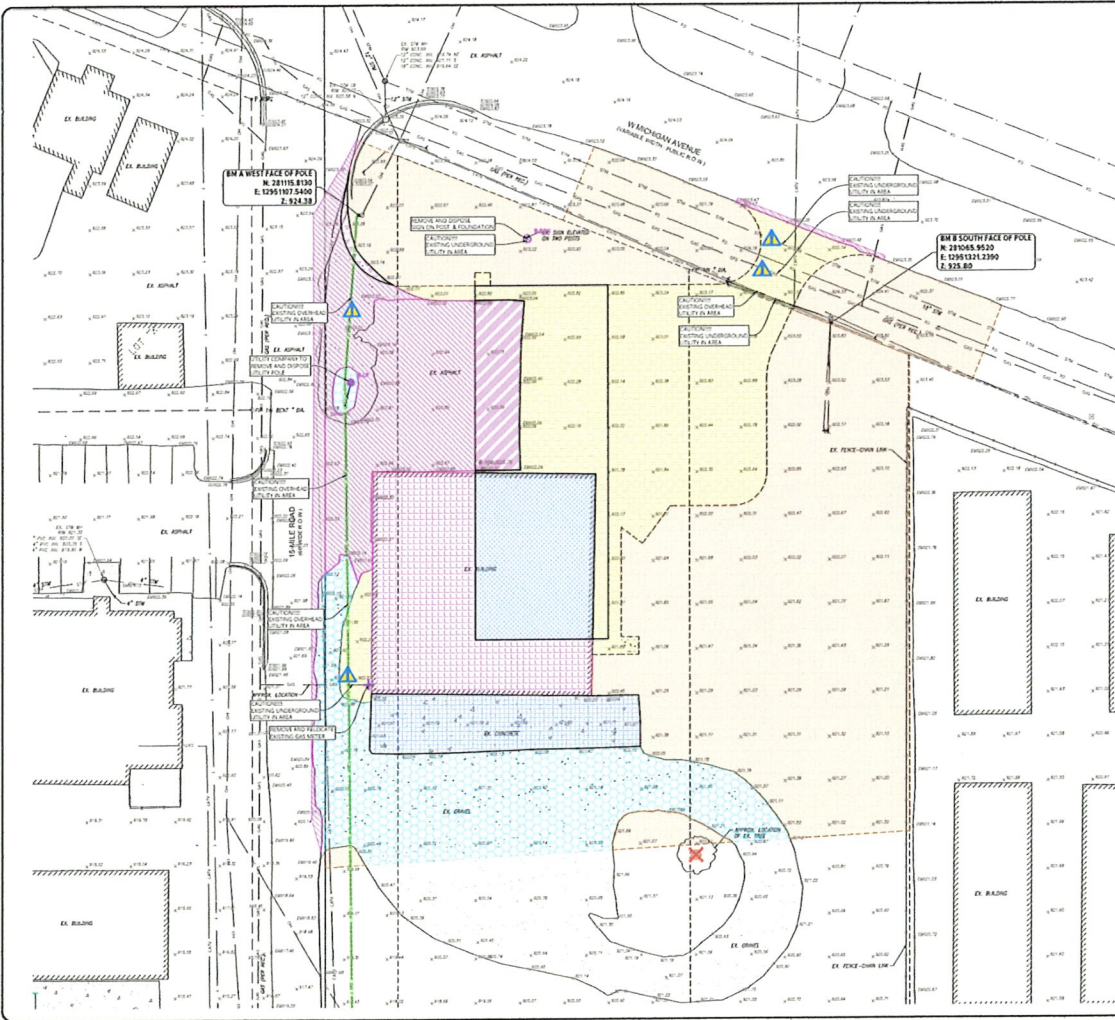
Project
**MARSHALL TOWNSHIP
FIRE STATION NO. 1**

Project Location
**13550 MYRON AVERY DRIVE
MARSHALL, MI 49068**

Engineer's Seal

PRELIMINARY - NOT FOR CONSTRUCTION

Date	12/15/2023
Est. Project No.	094551.00
Project Manager	J. GRAVES
Designer	A. BEED
DRAWN BY	J. BIOS
CHECKED BY	A. BEED
Reviewed By:	J. GRAVES
Sheet Name:	SESC AND SITE PREPARATION PLAN
Sheet No.:	C-300



REMOVAL LEGEND

- REMOVE EXISTING ASPHALT TO ACCOMMODATE PROPOSED BUILDING
- SALICUT AND REMOVE EXISTING ASPHALT TO ACCOMMODATE PROPOSED ASPHALT PAVEMENT SECTION
- SALICUT AND REMOVE EXISTING PAVEMENT TO ACCOMMODATE PROPOSED BUILDING
- DEMOLISH EXISTING BUILDING FOR PROPOSED IMPROVEMENTS
- REMOVE EXISTING GRAVEL TO ACCOMMODATE PROPOSED IMPROVEMENTS
- SALICUT AND REMOVE EXISTING CONCRETE PAVEMENT
- REMOVE EXISTING CONCRETE TO ACCOMMODATE PROPOSED IMPROVEMENTS
- AREA OF CARGING/STORAGE
- REMOVE EXISTING STORAGE
- EXCAVATE EXISTING UTILITY IN AREA (SEE EXISTING/RECORD UTILITIES NOTE THIS SHEET)
- REMOVE AND DISPOSE OF EXISTING SOIL, POST AND FOUNDATION
- REMOVE AND DISPOSE OF EXISTING LIGHT PAVEMENT, POLE AND BASE
- REMOVE EXISTING BASE, ITEM AS NOTED
- REMOVE AND DISPOSE OF EXISTING TREE

CORE/BORING DATA TABLE

BORING/CURE No.	HMA (IN)	AGG. BASE (IN)
1	6	6
2	6	6
3	6	6
4	6	6
5	6	6

EXISTING/RECORD UTILITIES NOTE
 THE LOCATION OF THE EXISTING UTILITIES AS SHOWN WERE OBTAINED FROM MUNICIPAL AND UTILITY COMPANY RECORDS, FIELD OBSERVATIONS AND COMPILE PROVIDED DRAWINGS. NO GUARANTEE CAN BE MADE REGARDING THE COMPLETENESS TO SHOW OR THE EXACT LOCATION AND DEPTH OF ALL UTILITIES SHOWN. PROPRIETORS OR OWNERS OF THE FIELD. CONTRACTOR TO VERIFY ALL UTILITIES IN THE FIELD TO THE ENGINEER. CONTRACTOR APPROVED FOR UTILITY LOCATING SHALL AT A MINIMUM INCLUDE UTILITIES AND UTILITY LOCATING COMPANY RECORDS, FIELD OBSERVATIONS, SURVEY AND FIELD RECORDS.



WARNINGS
 THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THE LOCATION AND DEPTH OF ALL UTILITIES SHOWN AND FOR NOTIFYING THE UTILITY OWNERS PRIOR TO ANY EXCAVATION WORK. THE CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFYING THE UTILITY OWNERS PRIOR TO ANY EXCAVATION WORK. THE CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFYING THE UTILITY OWNERS PRIOR TO ANY EXCAVATION WORK.

SME
 www.sme-usa.com

Graphic Scale 1" = 20'

Project Location
 13550 MYRON AVERY DRIVE
 MARSHALL, MI 49068

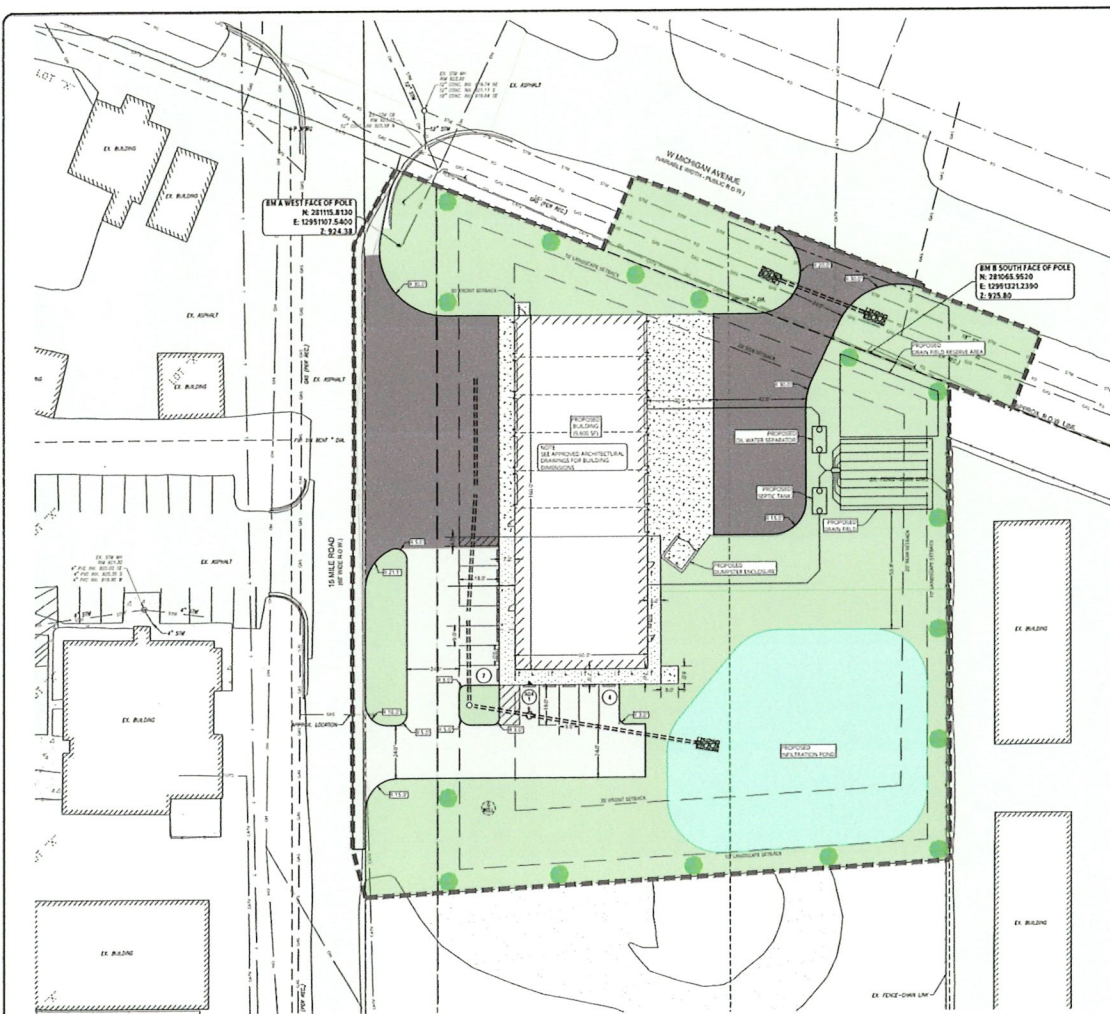
Project Name
 MARSHALL TOWNSHIP
 FIRE STATION NO. 1

PRELIMINARY - NOT FOR CONSTRUCTION

Revisions

No.	Date	By	Description

Date 12/15/2023
SME Project No. 094551.00
Project Manager J. GRAVES
Designer A. REED
CADD J. BIOS
Checked By A. REED
Reviewed By J. GRAVES
Sheet Name REMOVAL AND EXCAVATION PLAN
Sheet No. C-400



PROPOSED LEGEND

- [Symbol] PROPOSED PROJECT LIMITS
- [Symbol] FURNISH AND INSTALL NO-HURF PAVEMENT SECTION
- [Symbol] FURNISH AND INSTALL NO-HURF PAVEMENT SECTION
- [Symbol] PROPOSED CONCRETE SCORFALK
- [Symbol] PROPOSED CONCRETE PAVEMENT SECTION
- [Symbol] PROPOSED GREENBELT
- [Symbol] PROPOSED DETENTION BASIN/NO RETENTION/BIORETAIN AREA
- [Symbol] PROPOSED CONCRETE CURB AND GUTTER
- [Symbol] PROPOSED CONCRETE CURB AND GUTTER (PERFORATED)
- [Symbol] PROPOSED ADA MANHOLE SPECIFIED PER PLAN WITH TRUCKING DOVE
- [Symbol] PROPOSED SLOPE
- [Symbol] PROPOSED 8" HIGH CHAIN LINK FENCE
- [Symbol] FURNISH AND INSTALL SYSTEM GRADE PIPE
- [Symbol] PROPOSED 8" SECTION
- [Symbol] PROPOSED SQUARE CATCH BASIN
- [Symbol] PROPOSED ROUND CATCH BASIN
- [Symbol] PROPOSED ROUND CATCH BASIN
- [Symbol] PROPOSED 2" DIA. PILE
- [Symbol] PROPOSED SANITARY SEWER MANHOLE
- [Symbol] PROPOSED 30" DIAMETER MANHOLE
- [Symbol] PROPOSED 48" DIAMETER MANHOLE
- [Symbol] PROPOSED 60" DIAMETER MANHOLE
- [Symbol] PROPOSED 72" DIAMETER MANHOLE
- [Symbol] PROPOSED 84" DIAMETER MANHOLE
- [Symbol] PROPOSED 96" DIAMETER MANHOLE
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SITE LAYOUT NOTE
SEE PLANS AND SPECIFICATIONS FOR PAVING AND UTILITY NOTES AND REFERENCES TO SPECIFIC PAVEMENT SECTIONS

PROPOSED PARKING DATA:

STD STALLS	= 11
ADA STALLS (STD) PROVIDED	= 2
ADA VAN ACCESSIBLE PROVIDED	= 1

WARNING:
CONSTRUCTION OF THIS PROJECT IS THE RESPONSIBILITY OF THE CONTRACTOR. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM ALL APPLICABLE AGENCIES AND AUTHORITIES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING ALL UTILITIES AND STRUCTURES TO REMAIN. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING ACCESS TO ALL ADJACENT PROPERTIES AND PUBLIC AREAS AT ALL TIMES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR RESTORING ALL AREAS TO ORIGINAL OR BETTER CONDITION AFTER COMPLETION OF THE PROJECT.

Project:
MARSHAL TOWNSHIP
FIRE STATION NO. 1

Project Location:
13550 MYRON AVERY DRIVE
MARSHALL, MI 49068

Engineer's Seal:
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PRELIMINARY - NOT FOR CONSTRUCTION

Revisions	No.	Date	Description

Date: 12/15/2013

SME Project No.: 094551.00

Project Manager: J. GRAYES

Designer: A. REED

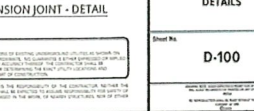
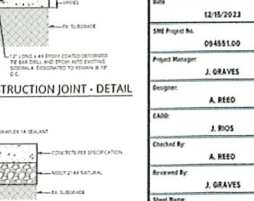
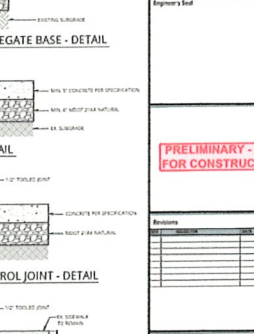
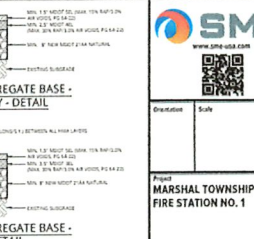
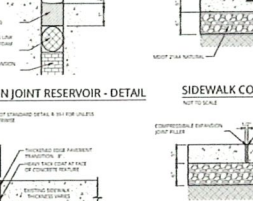
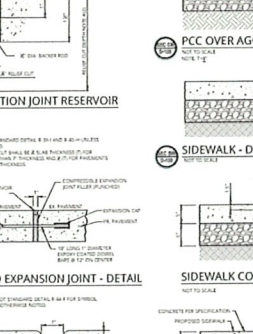
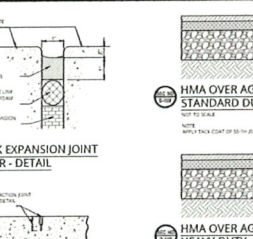
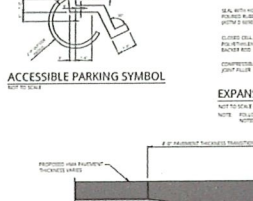
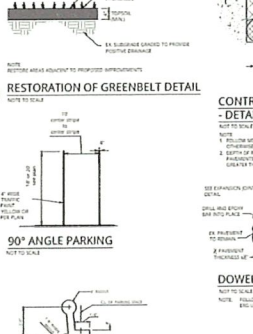
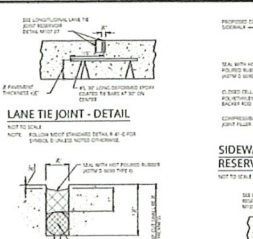
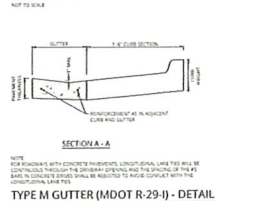
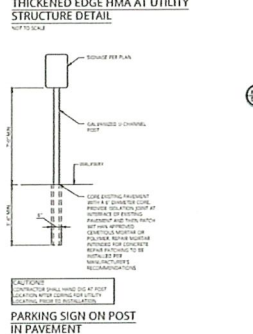
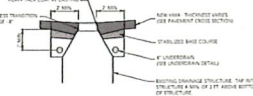
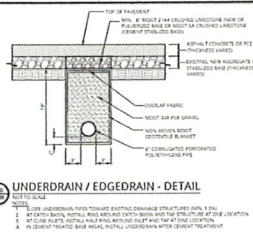
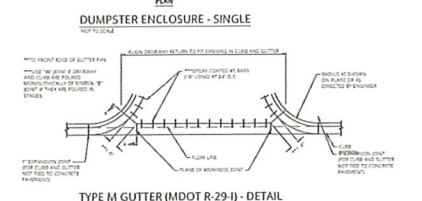
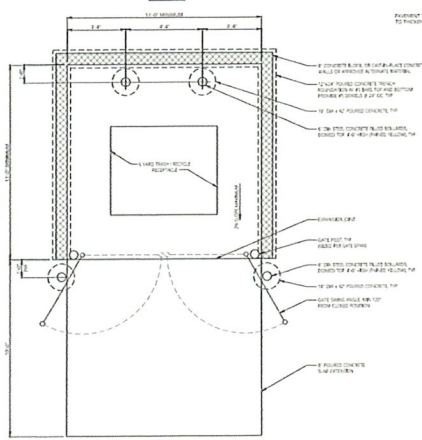
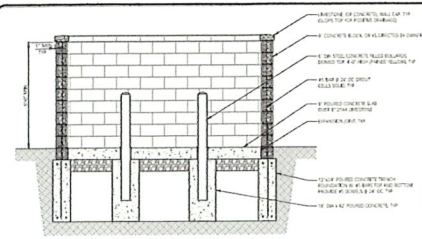
CAAD: J. RIOS

Checked By: A. REED

Reviewed By: J. GRAYES

Sheet Name: SITE LAYOUT PLAN

Sheet No.: C-500



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Project: MARSHAL TOWNSHIP FIRE STATION NO. 1

Project Location: 13550 MYRON AVERY DRIVE MARSHALL, MI 49068

Engineer's Seal

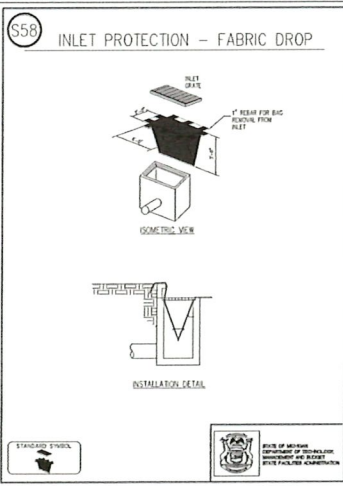
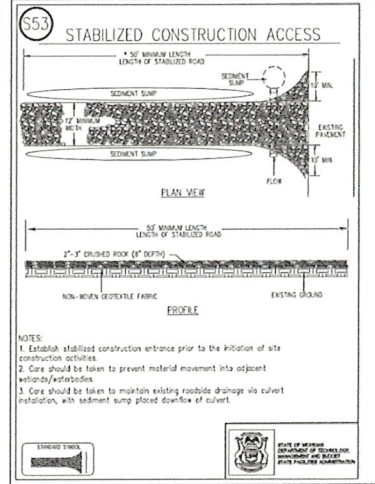
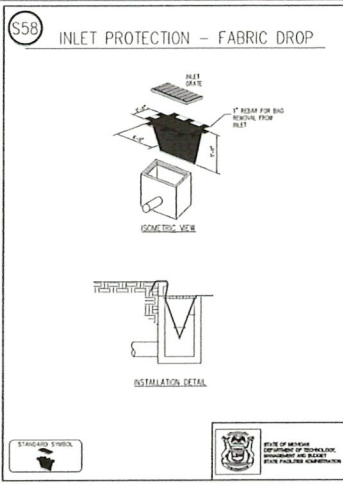
PRELIMINARY - NOT FOR CONSTRUCTION

Revisions	NO.	DATE	DESCRIPTION

Date: 12/15/2023
 SME Project No.: 09485100
 Project Manager: J. GRAVES
 Designer: A. BIRD
 Checker: J. BIRD
 Reviewed By: A. BIRD
 Sheet Name: DETAILS
 Sheet No.: D-100

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Orientation Scale

Project
**MARSHAL TOWNSHIP
FIRE STATION NO. 1**

Project Location
**13550 MYRON AVERY DRIVE
MARSHALL, MI 49068**

Engineer's Seal

**PRELIMINARY - NOT
FOR CONSTRUCTION**

Revisions	NO.	DESCRIPTION	DATE	BY

Date: 12/15/2023
SME Project No.: 09455100
Project Manager: J. GRAVES
Designer: A. BEED
CAD: J. BROS
Checked By: A. BEED
Reviewed By: J. GRAVES
Sheet Name: DETAILS
Sheet No.: D-101