

City of Mt. Pleasant, Michigan

CONTRACT DOCUMENTS

For Construction
of

2013 Fairfield Drive Realignment



KATHLEEN L. LING
Mayor

KATHIE GRINZINGER
City Manager

Prepared By:
Fleis & VandenBrink Engineering, Inc.
Midland, MI

John Zang
DPW Director

October 2013

City of Mt. Pleasant, Michigan

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THE CITY OF MT. PLEASANT, MICHIGAN

CITY HALL
320 W. Broadway • 48858-2447
(989) 779-5300
(989) 773-4691 fax

PUBLIC SAFETY
804 E. High • 48858-3595
(989) 779-5100
(989) 773-4020 fax

PUBLIC WORKS
1303 N. Franklin • 48858-4682
(989) 779-5400
(989) 772-6250 fax

NOTICE TO BIDDERS

2013 Fairfield Drive Realignment

The City of Mt. Pleasant, Michigan, is requesting sealed bids at the Office of the City Clerk, City Hall, 320 W. Broadway, Mt. Pleasant, Michigan 48858, until 1:30 p.m. (local time), on October 15, 2013, at which time and place the bids will be publicly opened and read. All bids shall be submitted in a sealed envelope, plainly marked "2013 Fairfield Drive Realignment – October 15, 2013."

Proposals are solicited on a unit price basis, for the following work (approx. quantities):

Pavement Removal	620	SYD
Aggregate Base, 8 inch	800	SYD
Subbase, CIP	300	CYD
Curb and Gutter Construction	470	FT
Sidewalk Construction	1000	SFT
Unit Pavers	950	SF
Bituminous Paving	700	SYD

All bid proposals must be accompanied by a bid bond, bank cashier's check, bank draft, or certified check for not less than five percent (5%) of the bid price, made payable to the City of Mt. Pleasant.

A Pre-Bid meeting will not be held.

This project is not subject to Prevailing Wage law.

To view and download complete Plans and Specifications at no charge, visit the City of Mt. Pleasant website at www.mt-pleasant.org and navigate to the [bids and quotes](#) page.

A non-refundable \$50.00 fee is required for plans and specifications picked up at the Public Works Building, 1303 N. Franklin Street, Mt. Pleasant, Michigan 48858, (989) 779-5401, Monday through Friday, 8:00 a.m. to 4:30 p.m. A non-refundable \$60.00 fee is required for plans and specifications that must be mailed.

The City of Mt. Pleasant reserves the right to accept or reject any or all bids, to waive any irregularities in the bids, and to select the bid considered most advantageous to the City.

Jen Flachs
Engineering Aide
(989) 779-5406

Jeremy Howard
City Clerk

City of Mt. Pleasant, Michigan
INSTRUCTIONS TO BIDDERS

1. **Proposals**

Proposals must be made upon the forms provided therefore, with the Bid amount both written and shown in figures, and all other data required submitted.

The Proposal, bound together with all Proposal Documents, must be enclosed in a sealed envelope marked as specified in the Notice to Bidders for such Bid and clearly indicating the name and address of the Bidder and must be received by the City Clerk, City Hall, 320 West Broadway Street, Mt. Pleasant, Michigan 48858, no later than the time and date specified in the Notice to Bidders. At such specified time, Proposals shall be publicly opened and read aloud.

2. **Basis of Proposals**

Proposals are solicited on the basis of unit price(s) and/or lump sum(s), as specified on the Proposal form.

The City of Mt. Pleasant (also referred to as "Owner"), reserves the right to accept any Bid, to reject any or all Bids, to waive any irregularities in the Bids, and to select the Bid considered most advantageous to the city.

3. **Comparison of Bids**

In comparing Bids, consideration shall be given to the time proposed for completion of the Contract, qualifications of Bidder, price differentials, alternate Proposals for the alternate items listed in the Proposal (if applicable), and any other pertinent factors. **The City of Mt. Pleasant grants a preference to businesses located within the Mt. Pleasant City Limits. The preference given is a differential above the low bid if the low bid is not from a City of Mt. Pleasant bidder. The differential allowed is 3% of the total for bids between \$5,000 and \$9,999 and 2% of the total for bids over \$10,000. The maximum credit allowed is \$1500.00.** The Owner reserves the right to make an award to the Bidder whose Proposal is deemed to be in the best interest of the Owner.

4. **Time**

Time is of the essence in the performance of the Contract, and each Bidder, by submitting a Proposal, certifies his/her acceptance of the time allowed by the Contract for the completion of the work specified.

5. **Indemnification**

The Contractor shall save and hold harmless the city and its employees from and against all claims, damages, losses, or expenses, including attorney's fees, arising out of or resulting from the performance of the work; provided that any such claim, damage, loss or expense is caused in whole or in part by any negligent or willful act of omission of the contractor, subcontractor, employee, or anyone under their direction. The Contractor shall at his/her own expense, defend any and all such actions and shall pay all attorney's fees, costs, and expenses pertaining thereto.

6. **Bid Deposits**

Each Proposal shall be accompanied by a certified check, bank cashier's check, bank draft, or a Bid Bond by a recognized Surety Company similar to a U. S. Government Standard Form Bid Bond, in the amount of five percent (5%) of the total amount of the Bid, made payable to the City of Mt. Pleasant, subject to forfeiture to the Owner in the event of failure on the part of the successful Bidder to enter into the attached form of agreement to do the work specified by said Proposal at the price and within the time stated therein. The Bid Deposit of all Bidders, except the three (3) lowest acceptable Bidders, shall be returned within two (2) weeks after opening of bids. The bid deposits of the three (3) lowest acceptable bidders shall be returned within 48 hours after the executed Contract(s) have been finally approved by the Owner.

7. **Liquidated Damages**

A liquidated damage clause, as given in the Contract form, provides that the Contractor shall pay the Owner as liquidated damages, and not as a penalty, the amount as indicated in Section 108.10 of the 2012 MDOT Standard Specifications for Construction for each and every calendar day that the Contractor may be in default of substantial completion of the work required under said Contract.

8. **Insurance and Bonds**

The successful Bidder will be required to execute (3) Bonds, in the form attached hereto, with Surety acceptable to the Owner and insurance, as follows:

- a. Bond in the amount of 100% of the Estimated Contract Price running to the City of Mt. Pleasant, Michigan, to insure the completion of the entire work, according to the statutes of the State of Michigan in effect at that time.
- b. Bond in the amount of 100% of the Estimated Contract Price running to the People of the State of Michigan for the protection of Subcontractors and Labor and Material Men, according to the statutes of the State of Michigan in effect at that time.
- c. Insurance in the amounts required by City Ordinance as specified in the Section 1 - General Construction Specifications, attached hereto.
- d. Electronic Insurance for MDOT required to obtain the MDOT permit as required in the attached documents.
- e. Bond in the amount of \$50,000.00 to the Michigan Department of Transportation (MDOT).

The successful bidder shall be required to furnish for each set of executed Contract Documents, and conformed copies thereof, an original conformed Performance Bond, Labor and Materials Bond, and Insurance Certificates.

9. **Permits and Local Codes**

The Owner shall procure the required permits for municipal storm sewer construction, and soil erosion control. The Owner shall also procure the MDOT permit.

The Contractor shall obtain, at his/her expense, all other required local construction permits and shall comply with local building code and inspection requirements.

10. **Qualifications of Bidders**

It is the intent of the Owner to award the Contract to a Bidder fully capable, both financially and with regard to experience, to perform and complete all work in a satisfactory and timely manner. Evidence of such competency must be furnished on the forms included in the proposal, listing projects of similar difficulty, scope of work, and size, which the Bidder has satisfactorily undertaken and completed.

It is the intention of the City to award the contract to a Contractor whose ability and financial resources are fully equal to the task of performing the work in a satisfactory manner. With this in view, the Proposal calls for at least five (5) references, using specific names of persons to contact concerning the Contractor's ability to do this particular class of work. References from municipalities are preferred. The mere ability to furnish a Performance Bond shall not be accepted as sufficient evidence of responsibility on the part of the Bidder. The Bidder may also be required to furnish evidence of his current financial status.

11. **Interpretation of Documents**

If any Bidder is in doubt as to the true meaning of any part of the Plans, Specifications or any Contract Document, he/she may submit to the Owner a written request for an interpretation thereof. Any interpretation made in response to such a query shall be made only by Addendum, duly issued, and a copy of such Addendum shall be mailed or duly delivered to each prospective Bidder. The Owner shall not be responsible for any other explanation or interpretation of the Contract Documents. Alternative proposals that are suggested by bidders will be given consideration, if presented before the bid opening. If accepted, an addendum will be issued and sent out to all potential bidders, so that they may bid on the alternatives that have been identified.

12. **Execution of Bid Proposal**

A Bid Proposal, which is not signed by the individual making it, should have attached thereto a Power of Attorney evidencing authority to sign the Bid Proposal in the name of the person for whom it is signed.

A Bid Proposal, which is signed by a partnership, shall be signed by all of the partners or by an Attorney-in-Fact. If signed by an Attorney-in-Fact, there should be attached to the Bid a Power of Attorney evidencing authority to sign the Bid Proposal in the name of the partnership and such Power of Attorney shall be signed by all partners of the partnership.

A Bid Proposal, which is signed for a corporation, should have the correct corporate name thereof and the signature of the President, or other authorized officer(s) of the corporation, manually written below the corporate name and on the line indicating "By:_____." If such a Bid Proposal is manually signed by an officer other than the President of the corporation, a certified copy of a Resolution of the Board of Directors evidencing the authority of such officer(s) to sign the Bid Proposal should be attached thereto. Such a Bid Proposal should also bear the attested signature of the Secretary of the corporation and an impression of the corporate seal.

13. **Execution of Contract**

The successful Bidder to whom an award is made shall be required to enter into a written agreement, in the form attached hereto, within ten (10) days after receipt of a Notice of Award and copies of the documents to be executed. In the event the successful Bidder fails to comply with this provision, he/she may be considered by the Owner to have abandoned all his/her rights and interests in the award and his/her certified check or amount of the Bid Bond may be declared to be forfeited to the Owner, and the Contract may be awarded to another.

14. **Bidder Responsibility For Conditions of Work and Site**

The Bidder, or his/her representative, shall make personal investigation of the site of work and of existing structures and shall determine to his/her own satisfaction the conditions to be encountered, the nature of the ground, the difficulties involved in making connections to existing structures and pipes, and any and all other factors affecting the work proposed under the Contract.

The Bidder to whom the Contract is awarded shall not be entitled to any additional compensation by reason of conditions being different from those anticipated or by reason of his/her failure to fully acquaint himself/herself with the conditions at the site affecting the work of the Contract.

15. **Changes in Work**

If any change is required to be made in the work of the Contract, a payment adjustment therefore shall be determined as specified in Section 103 of the 2012 MDOT Standard Specifications for Construction.

16. **Prevailing Wage**

This project is **not** subject to Prevailing Wage laws.

Revised: August 2013

City of Mt. Pleasant, Michigan
BID PROPOSAL

2013 FAIRFIELD DRIVE REALIGNMENT

TO: City Hall/City Clerk
320 W. Broadway Street
Mt. Pleasant, MI 48858

BID DATE: October 15, 2013
TIME: 1:30 p.m.

The undersigned, as Bidder, hereby declares that his bid is made in good faith without fraud or collusion with any person or persons bidding on the same Contract; that he has carefully read and examined the Contract Documents, including the Notice to Bidders, Instructions, Bond Forms, Technical and Detailed Specifications, and Contract Drawings, for the designated work and understands all of the same; that he, or his representative, has made such a personal investigation at the site as is necessary to determine the character and difficulties attending the execution of the proposed work; and he proposes and agrees that if this Proposal is accepted, he will contract with the Owner in the form of the Contract hereto annexed, to provide necessary machinery, tools, apparatus and other means of construction, including utility and transportation services, necessary to do all the work and furnish all the materials and equipment specified or referred to in the Contract Documents, including Addenda No. __, __, and __, in the manner and time therein prescribed, and according to the requirements of the Owner as therein set forth to furnish Contractor Bonds and Insurance required of the Contractor by the Contract Documents, and that he will take in full payment therefore the unit prices set forth in the following Proposal.

The Bidder understands that the Owner reserves the right to reject any or all bids and to waive any irregularities in the bidding.

The Bidder agrees that his bid shall be good and may not be withdrawn for a period of sixty (60) calendar days after the scheduled closing time for receiving the bids.

Upon receipt of a written Notice of Award of the Bid, the Bidder shall execute the formal Contract Agreement attached hereto within ten (10) days and shall deliver to the Owner a Surety Bond or Bonds required. In the event the Contract and Bond are not executed within the time above set forth, the Bid Deposit attached in the sum of five percent (5%) of the Bid Proposal shall become the property of the Owner as liquidated damages for the delay and additional expense to the Owner caused thereby.

The Bidder hereby agrees to commence work under this Contract on or before date to be specified in the written Notice to Proceed executed by the Owner and to fully complete the project as stipulated in the Special Conditions. The Bidder further agrees to pay as liquidated damages the sum of Two Hundred Dollars (\$200.00) for each consecutive calendar day thereafter, as provided.

The below unit prices shall include all labor, materials, overhead, profit, insurance, etc., to cover the finished work of the several kinds specified, and the Bidder agrees to perform all of the work described in the Specifications and/or shown on the Plans for the following unit prices:

FAIRFIELD DRIVE REALIGNMENT

ITEM	DESCRIPTION	QTY	UNIT	UNIT PRICE	TOTAL COST
1	Excavation, Earth	650	CYD	\$	\$
2	Embankment, CIP	120	CYD	\$	\$
3	Tree, Rem	1	EA	\$	\$
4	Stump, Rem	1	EA	\$	\$
5	Pavt, Rem	650	SYD	\$	\$
6	Curb and Gutter, Rem	430	FT	\$	\$
7	Sidewalk, Rem	90	SYD	\$	\$
8	Subbase, CIP	150	CYD	\$	\$
9	Aggregate Base, 8 inch	375	SYD	\$	\$
10	Curb, Conc, Det F4	390	FT	\$	\$
11	Driveway, Opening, Conc, Det M	90	FT	\$	\$
12	Sewer, Cl A, 12 inch, Tr Det B	35	FT	\$	\$
13	Dr Structure, Repair	3	EA	\$	\$
14	Dr Structure Cover, CB, Modified	1	EA	\$	\$
15	Dr Structure Cover, Adj, Case 2	5	EA	\$	\$
16	Dr Structure, 36 inch dia	1	EA	\$	\$
17	Dr Structure, Tap, 4 inch	2	EA	\$	\$
18	Dr Structure, Tap, 12 inch	1	EA	\$	\$
19	Underdrain, Subgrade, Open-Graded, 4 inch, Modified	350	FT	\$	\$
20	Sidewalk, Conc, 4 inch	700	SF	\$	\$
21	Sidewalk, Conc, 6 inch	220	SF	\$	\$
22	Sidewalk Ramp, Conc, 6 inch	90	SF	\$	\$
23	Detectable Warning Surface	10	FT	\$	\$
24	Unit Pavers	800	SF	\$	\$
25	Unit Pavers, Salv	250	SF	\$	\$
26	Unit Pavers, Rem	300	SF	\$	\$
27	HMA, 3C, Leveling Course	700	SYD	\$	\$
28	HMA, 4C, Top Course	700	SYD	\$	\$
29	Pavt Mrkg, Ovly Cold Plastic, 6 inch, Crosswalk	75	FT	\$	\$
30	Pavt Mrkg, Ovly Cold Plastic, 24 inch, Stop Bar	16	FT	\$	\$
31	Pavt Mrkg, Ovly Cold Plastic, 24 inch, Crosswalk	42	FT	\$	\$
32	Sign, Type III, Rem	4	EA	\$	\$
33	Sign, Erect, Salvage	4	EA	\$	\$
34	Gate Box, Adj, Case 2	3	EA	\$	\$
35	Restoration, Modified	600	SYD	\$	\$

36	Minor Traffic Devices	1	LS		
37	Testing (Allowance)	1	LS	\$ 4,000.00	\$ 4,000.00
38	Preconstruction Audio Video Recording	1	LS		

TOTAL \$
=====

(figures)

_____ (written) _____ and _____/100 Dollars

RESPECTFULLY SUBMITTED:

Company Name _____

Address _____

City _____ ST _____ Zip Code _____

Area Code/Telephone Number _____ Date _____

Fax _____

EMAIL _____

Authorized Signature _____

Print of Type Name and Title _____

EXPERIENCE QUESTIONNAIRE

To be furnished by Bidder
City of Mt. Pleasant, Michigan

The signatory of this proposal guarantees the truth and accuracy of all statements and of all answers hereinafter made.

1. How many years have you been in business as a contractor under your present name?

2. How many years have you been a principal officer of a firm under a different name?

Name of Firm _____

3. What projects of a similar nature has your organization contracted for within the past five years? (NOTE: Fill out each blank completely.)

Name of Owner & Location	Name/Address/Phone # of Person in Charge as Reference	Type of Work	Value of Work	Date Completed
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1.

2.

3.

4.

City of Mt. Pleasant, Michigan
SUPPLEMENTAL SPECIFICATIONS
2013 Fairfield Drive Realignment

Construction Specifications

The work under this contract shall be completed following the 2012 MDOT Standard Specifications for Construction along with the City of Mt. Pleasant 2012 Standard Special Provisions, except as modified herein.

1. Time Constraints

Completion of this project within the time constraints described below is essential. The Contractor shall begin work on the project on October 21, 2013. Contractor has two weeks to complete the project from start of construction. Construction must be completed before the close of the asphalt plant for the year.

2. Construction Phasing

- A. Access to the exit at Rally's (1501 S. Mission St) shall be open at all times during regular business hours for this location (10:00 a.m. to 3:00a.m., every day).
- B. After removing the existing asphalt pavement from Fairfield Drive as shown on the plans, the existing aggregate base shall remain in place for customers from Rally's to exit to Mission Street.
- C. All but the southern portion of the new curb and gutter along Mission Street can be placed during normal working hours during the day.
- D. The remaining curb and gutter, and sidewalk for Rally's approach must be placed during hours that Rally's is closed (3:00 a.m. to 10:00 a.m.) and must utilize a 7-sack concrete mix for traffic to be allowed to drive on it by the opening of Rally's the following morning.
- E. Once the curb and gutter, and sidewalk at the approach for Rally's have been placed, all exiting traffic from Rally's will utilize the new roadway. Temporary aggregate must be placed to protect the edge of the concrete curb and gutter.
- F. Placement of HMA shall also be done during hours that Rally's is closed and must be ready for traffic when Rally's opens the following morning.
- G. All other remaining work must be coordinated to minimize the impact of traffic exiting Rally's.

3. Holidays

No work is to be scheduled by the contractor on Sundays. No Holidays are anticipated to be within the timeframe of this project.

4. Access

Access to driveways for local residents, schools, and businesses shall be maintained and available for use. All driveways shall be opened by the contractor when the contractor is not working, including all evenings, Sundays, and holidays, except as approved in writing by the inspector and with written notification to the residents/owners.

Access to the exit from Rally's (1501 S. Mission St.) shall be open at all times during regular business hours for this location (10:00 a.m. to 3:00 a.m., every day).

5. Refuse and Recyclable Collection

The Contractor shall schedule the work to allow and provide access for refuse and recycling contractors to provide their services to the businesses. If the refuse and recycling contractors are unable to collect materials due to construction operations, then the construction contractor shall collect and dispose of the refuse and collect and deliver the recyclable material to the Material Recovery Facility (MRF) on River Road at no cost to the City. It is the responsibility of the construction contractor to contact the refuse and recycling contractors to coordinate operations.

6. Audio-Video Recording

An aboveground audio-video recording of the construction area along and adjacent to the project meeting the requirements of the Special Provision for Preconstruction Audio-Video Recording is required. Deliver to DPW prior to mobilization.

7. Location Verification

The Contractor shall excavate, as the Contractor deems necessary, or at the direction of the Engineer, all points of the pipe connection or reconnection to verify the material, condition, location, alignment, and elevation prior to setting of manholes, valves, tees, or bends. The cost of this work and the temporary and permanent restoration thereof shall be included in the various unit prices for the project.

8. Concrete Removal

Sidewalk, concrete drives, and curb and gutter removal shall be to existing construction joints. Unbroken joints shall be saw cut prior to removal. If a saw cut can be made where the remaining section is undisturbed, unbroken or unjointed, and is five feet (5') in length at its least direction, then removal may be to that point.

9. Excavated Material

All excavated material, concrete, asphalt, broken pipe, and other material shall become the property of the Contractor for disposal, except as noted.

10. Tree Protection and Preservation

The Contractor shall protect and preserve trees within the construction area. If the Contractor causes tree damage resulting from non-compliance with the tree crossing detail, or if excessive damage occurs to the trunk or main limbs of a tree, the Contractor shall pay for the damages to the tree. The value of the tree shall be the amount appraised by the City's tree consultant. The Contractor shall also pay for the cost of removal in the event the damaged tree must be removed within a two-year period.

11. Truck Route Streets

The Contractor shall not allow any trucks, or equipment associated with this project to be driven on non-truck route City streets. The Contractor shall ensure that all trucks and equipment associated with the project travel only on streets identified as truck route streets on the Truck Route Map in the construction specification details. If any of the Contractors, the Contractors' subs, and/or suppliers, are seen driving on other City streets, the Contractor shall be required to pay for resurfacing the street with a polymer-modified asphalt approved by the City at a rate of application determined by the City.

12. Utility Location

The Contractor shall expose all existing utilities and services that will be crossed by proposed pipe. Utility locations and elevations, as shown on the plans, are approximations and shall be verified by the Contractor prior to beginning any work. The Contractor is required to call the MISS DIG system as noted in the Standard Construction Specifications.

13. Soil Borings

No soil borings were obtained for this project. Should a bidder desire to make soil borings within the proposed roadway, the Contractor making the borings shall first obtain a permit from Public Works. Insurance meeting the requirements of the City of Mt. Pleasant is required. The soil boring permit fee is \$25.00 per hole, and will be refunded if the results of the soil boring in the form of a soil-boring log are submitted to the City Engineer within one week after the close of bidding.

14. Insurance

The contractor shall carry insurance that will provide for the full replacement cost of any property that is damaged during the project. The contractor shall also pay the immediate costs of the homeowner/resident in the event an incident occurs, while waiting for the insurance company to make compensation. Immediate costs include but are not limited to: Hotel/Motel bills and meals if the building is unusable, costs for basic necessities such as beds or clothes in the event they are damaged.

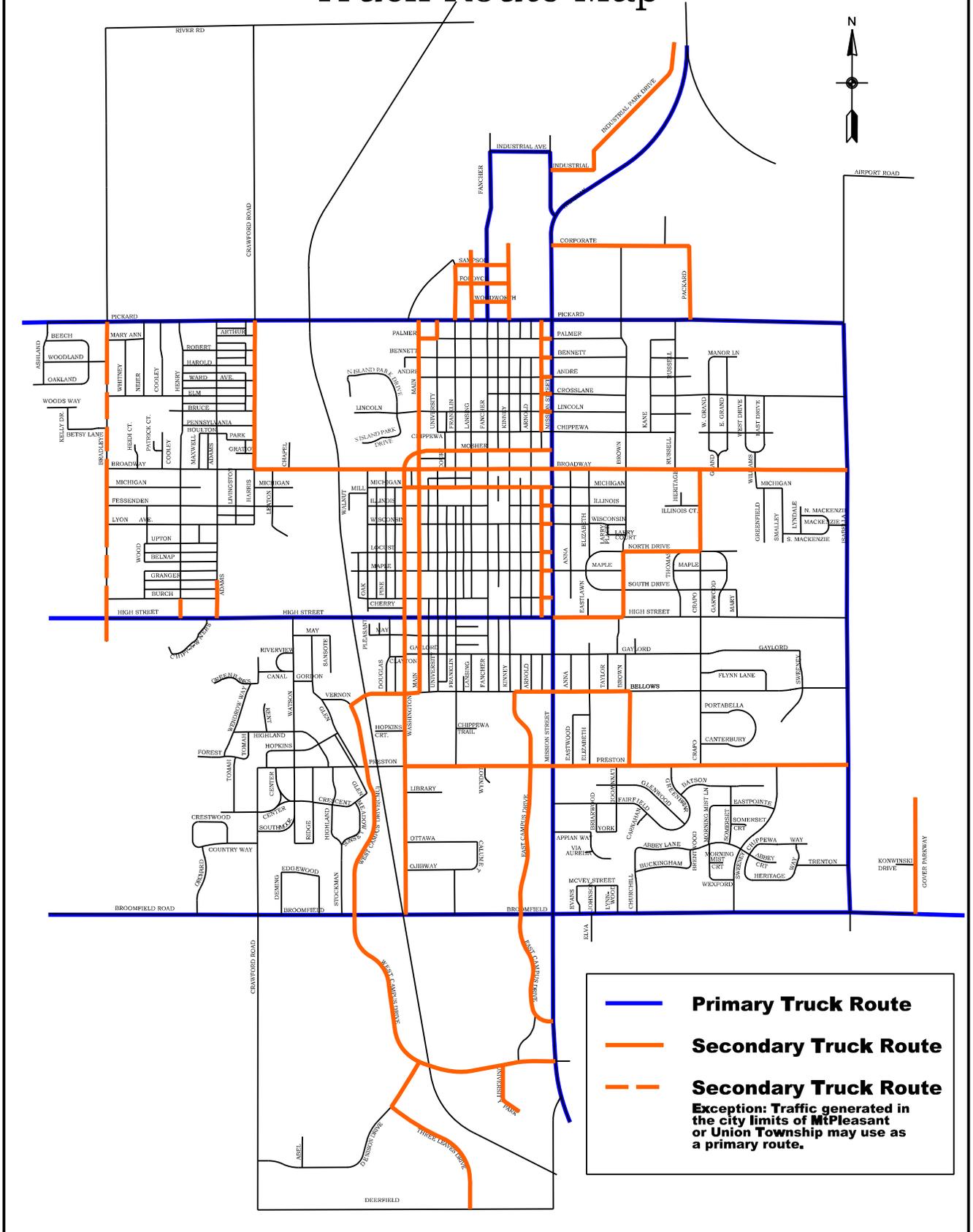
15. Project Meetings

The contractor shall attend weekly progress meetings with the Engineer to provide updates on the project, the schedule of work for the following week, and to resolve outstanding issues.

16. Pre-Bid Meeting

There will not be a pre-bid meeting on this project.

City of Mt. Pleasant Truck Route Map



NOTICE TO SURETY/INSURANCE COMPANIES

IMPORTANT CHANGES TO PERMIT PERFORMANCE BONDS AND CERTIFICATE OF INSURANCE (FORM 2020)

Effective February 1, 2010, Certificate of Insurance (form 2020) and/or the Permit Performance Bond must be submitted electronically via the Permit Performance Bond/Certificate of Insurance application system.

However, the **Surety and/or Insurance agent is required to register, if they have not previously registered**, with our office in order to obtain access to the Permit Performance Bond/Certificate of Insurance application system. Surety and/or Insurance agents may contact Lauri Olsen at 517-241-3028 or via e-mail olsenl@michigan.gov to register or if you have any questions.

Note: The applicant does not register for access to this application, Surety/Insurance agents only.

City of Mt. Pleasant
SPECIAL PROVISION
FOR
TECHNICAL SPECIFICATIONS

City of Mt Pleasant

1 of 1

April 12, 2013

GENERAL REQUIREMENT

The 2012 MDOT STANDARD SPECIFICATIONS FOR CONSTRUCTION shall govern all technical specifications of this contract. The following parts of the contract will prevail over all other parts in the following order:

- A. Special Provisions
- B. Supplemental Specifications
- C. Project Plans and Drawings
- D. City of Mt. Pleasant Standard Special Provisions
- E. MDOT Standard Plans
- F. MDOT Standard Specifications
- G. City of Mt. Pleasant Standard Construction Specifications

The Contractor shall not take advantage of any apparent error or omission in the contract documents. If any uncertainty, inconsistency, omission, or conflict is discovered in the contract documents, the Engineer will decide as to the true intent.

City of Mt. Pleasant
SPECIAL PROVISION
FOR
LINES, LEVELS, AND SURVEYS

City of Mt Pleasant

1 of 1

June 2013

Staking is by the Contractor. The contractor shall carefully preserve all benchmarks, reference points, grade stakes, and other necessary control points and be held responsible for all errors that may result from their loss or disturbances.

This work shall be incidental to the project and no pay item will be provided.

City of Mt. Pleasant
SPECIAL PROVISION
FOR
UTILITY COORDINATION

City of Mt Pleasant

1 of 1

June 23, 2013

The contractor shall cooperate and coordinate construction activities with the owners of utilities as stated in Section 104.08 of the 2012 MDOT Standard Specifications for Construction. In addition, for the protection of underground utilities, the contractor shall follow the requirements in Section 107.12 of the 2012 MDOT Standard Specifications for Construction. Contractor delay claims, resulting from a utility, will be determined based upon Section 109.05E of the 2012 MDOT Standard Specifications for Construction.

A) General

For protection of underground utilities, the Contractor shall call the Miss Dig system at (800) 482-7171 a minimum of three (3) working days prior to excavating. Members will thus be routinely notified. This does not relieve the Contractor of the responsibility of notifying utility owners who may not be a part of the Miss Dig alert system.

B) Coordination with Utilities

During the course of the construction, the Contractor will encounter both overhead and underground utilities. The contact information of the utility company representatives are as follows:

Consumers Energy - Electric
Rich Klender
1325 Wright Avenue
Alma, MI 48801
(517) 466-4279

Winn Telecom – Communications
Paul Labrie
402 N. Mission St.
Mt. Pleasant, MI 48858
(989) 621-8788 cell

DTE Energy/MichCon – Gas
Ronald Marrow
1011 Hastings
Traverse City, MI 49684
(231) 258-3785
Cell: (231) 590-1284

City of Mt. Pleasant – Water, Sanitary &
Storm Sewer
Jason Moore
1303 N. Franklin Ave.
Mt. Pleasant, MI 48858
(989) 779-5405 or (989) 779-5401

Frontier – Telephone
Mark Marshall
345 Pine Street
Alma, MI 48801
(989) 463-0392

Charter Communication – Cable TV
Bryon Carroll
915 E. Broomfield Rd.
Mt. Pleasant, MI 48858
(989) 621-0505

The Contractor's attention is directed to existing underground gas mains, which are located adjacent to or near the work. The Contractor shall use extreme care when working in these areas, and shall notify DTE Energy/MichCon Gas Company at least three (3) working days in advance before beginning any excavation in these areas.

City of Mt. Pleasant

SPECIAL PROVISION
FOR
CURB AND GUTTER, CONC, _____

City of Mt Pleasant

1 of 1

January 29, 2013

A) Description

Install Curb and Gutter, Conc, _____, Modified according to this Special Provision and as shown on the plans.

B) Materials

The materials used for this work shall meet the requirements of Section 802.02 of the 2012 Standard Specifications for Construction.

C) Construction

Construct Curb and Gutter, Conc, _____, Modified in accordance with the requirements of Section 802 of the 2012 Standard Specifications for Construction. The material placed directly under the Curb and Gutter, Conc, _____, Modified shall be 22A aggregate, and shall be included in the bid price for Curb and Gutter, Conc, _____, Modified, as detailed on the proposed cross-section plan sheet. Thickness of this material shall be approximately 1.5 inches for local streets and 2.25 inches for major streets.

D) Measurement and Payment

The complete work as measured for Curb and Gutter, Conc, _____, Modified will be paid for at the contract unit price for the following contract pay items and includes all material, equipment, and labor to complete this item.

Contract Item (Pay Item)

Pay Unit

Curb and Gutter, Conc, _____, ModifiedFoot

City of Mt. Pleasant
SPECIAL PROVISION
FOR
DETECTABLE WARNING SURFACE, MODIFIED

City of Mt Pleasant

1 of 1

August 21, 2013

A) Description

This work shall be done in accordance with the requirements of Standard Plan R-28 series and Section 803 of the 2012 Standard Specifications for Construction except that the detectable warning plate shall be an asphalt dipped Cast Iron warning plate.

B) Materials

The detectable warning plate shall be an asphalt dipped Cast Iron warning plate meeting the requirements of section 803 of the 2012 Standard Specifications for Construction.

C) Construction

This work shall be done in accordance with the requirements of Standard Plan R-28 series and Section 803 of the 2012 Standard Specifications for Construction except that the detectable warning plate shall be an asphalt dipped Cast Iron warning plate.

D) Measurement and Payment

The complete work as measured for Detectable Warning Surface, Modified will be paid for at the contract unit price for the following contract pay items and includes all material, equipment, and labor to complete this item.

Contract Item (Pay Item)	Pay Unit
Detectable Warning Surface, Modified	Foot

City of Mt. Pleasant
SPECIAL PROVISION
FOR
DRIVEWAY OPENING, CONC, DET M, MODIFIED

City of Mt Pleasant

1 of 1

June 22, 2013

A) Description

Construct Driveway Opening, Conc, Det M, Modified in accordance with the requirements of Standard Plan R-29 series and Section 802 of the 2012 Standard Specifications for Construction.

B) Materials

The materials used for this work shall meet the requirements of Section 802.02 of the 2012 Standard Specifications for Construction except that the reinforcing steel shall be eliminated.

C) Construction

Construct Driveway Opening, Conc, Det M, Modified in accordance with the requirements of Standard Plan R-29 series and Section 802 of the 2012 Standard Specifications for Construction except that the reinforcing steel shall be eliminated. The approximate 2 inches to 2.5 inches of material placed under the Construct Driveway Opening, Conc, Det M, Modified shall be 22A aggregate, and shall be included in the bid price for Construct Driveway Opening, Conc, Det M, Modified.

Measurement and Payment

The complete work as measured for Driveway Opening, Conc, Det M, Modified will be paid for at the contract unit price for the following contract pay items and includes all material, equipment, and labor to complete this item.

Contract Item (Pay Item)	Pay Unit
Driveway Opening, Conc, Det M, Modified.....	Foot

City of Mt. Pleasant
SPECIAL PROVISION
FOR
DR STRUCTURE COVER, ____, MODIFIED

City of Mt Pleasant

1 of 1

August 21, 2013

A) Description

Dr Structure Cover, ____, Modified, hereinafter referred to as Cover, shall consist of materials and work as described in Section 403 of the Michigan Department of Transportation 2012 Standard Specifications for Construction except as modified herein.

B) Materials

Covers shall include geotextile fabric, frame, grate or cover and shall be of the type indicated on the plans.

1) Dr Structure Cover, CB, Modified

Catch basin cover types shall depend on their location on the plans.

- i) All other catch basins covers located in the curb shall be model 7045 with type M1 grate as manufactured by East Jordon Iron Works, or approved equal.
- ii) Unless otherwise indicated on the plans, catch basins covers outside of the curb shall be model 1040 with type M1 grates as manufactured by East Jordon Iron Works, or approved equal.

2) Dr Structure Cover, STM, Modified

- i) Storm drainage structure covers shall be model 1040 with type B cover as manufactured by East Jordon Iron Works, or approved equal.

3) Dr Structure Cover, SAN, Modified

- i) Sanitary drainage structure covers shall be model 1040 with type A cover as manufactured by East Jordon Iron Works, or approved equal. The preferred cover shall be stamped with the City of Mt. Pleasant logo.

C) Construction

Construct drainage structure covers according to the details on the plans and section 403 of the Standard Specifications. Drainage structure shall be wrapped with geotextile fabric as shown on the plans.

D) Measurement and Payment

This work will be measured and paid as specified in section 403 & 802 of the Standard Specifications using the following contract items (pay items).

Contract Item (Pay Item)	Pay Unit
Dr Structure Cover, CB, Modified	Each

City of Mt. Pleasant
SPECIAL PROVISION
FOR
UNDERDRAIN, SUBGRADE, OPEN-GRADED, 4 INCH, MODIFIED

City of Mt Pleasant

1 of 1

January 29, 2013

A) Description

This work consists of constructing and installing underdrains.

B) Materials

MDOT 34G aggregate
4-inch geotextile-wrapped perforated plastic pipe

C) Construction

This work shall be done in accordance with the requirements of section 404.03 of the MDOT 2012 Standard Specifications for Construction with the following exceptions:

- 1) Backfill from trench bottom to 2 inches above shall be MDOT 34G
- 2) The remaining trench shall be backfilled with class II sand, compacted by means of a vibratory compactor, to at least 95% of its maximum density.
- 3) Underdrain pipe will be geotextile-wrapped: 34-G backfill will not be wrapped.
- 4) Unless otherwise specified on the plans, underdrain pipe shall be placed at an elevation such that the bottom of the pipe is at an elevation 4 feet below the top of curb elevation.

D) Measurement and Payment

This work will be measured and paid as specified in section 404.04 of the MDOT 2012 Standard Specifications with the following exception. The unit price for Underdrain, Subgrade, Open-Graded, 4 inch, Modified shall include the following:

- 1) The cost of providing the pipe and fittings with a geotextile wrap.
- 2) Not the cost of providing and lining the trench with geotextile.
- 3) The cost of connecting the downstream end of the underdrain pipe to either a drainage structure or an existing underdrain pipe.

Contract Item (Pay Item)

Pay Unit

Underdrain, Subgrade, Open-Graded, 4 inch, Modified.....Foot

City of Mt. Pleasant
SPECIAL PROVISION
FOR
HMA APPLICATION ESTIMATE

City of Mt Pleasant

1 of 1

August 21, 2013

A) Description

This work shall be done in accordance with the requirements of section 501 of the 2012 Standard Specifications for Construction and applicable supplemental specifications and special provisions, and as specified herein. The HMA Approach bid item shall include paving of HMA Driveways and cross streets. Cross streets shall be constructed in two passes at the same cross-section as the mainline pavement, follow the procedures outlined in MDOT 501.03F4.

B) Materials

The HMA base course shall be HMA, 3C and the top course shall be HMA, 4C.

The Base course shall have a yield of 220 pounds per square yard and the binder shall be PG 64-28 on Fairfield Drive. The Base course shall have a yield of 165 pounds per square yard and the binder shall be PG 64-28 at the Rally's approach.

The top course shall have a yield of 165 pounds per square yard, an AWI of 260, minimum, and the binder shall be PG 64-28.

The HMA Bond Coat material shall be per Section 501.03. The uniform rate of application shall be 0.05 - 0.15 gallons per square yard.

C) Construction

Construct HMA per section 501.03 of the 2012 Standard Specifications for Construction.

D) Measurement and Payment

This work will be measured and paid as by the Square Yard as measured by the Engineer of placement.

Contract Item (Pay Item)	Pay Unit
HMA, 3C, Leveling Course (2 inch)	Square Yard
HMA, 3C, Leveling Course (1.5 inch)	Square Yard
HMA, 4C, Top Course (1.5 inch)	Square Yard

City of Mt. Pleasant
SPECIAL PROVISION
FOR
MAINTAINING TRAFFIC

City of Mt Pleasant

1 of 1

August 21, 2013

A) Description

Traffic shall be maintained throughout the project according to sections 104.11 and 812 of the Michigan Department of Transportation 2012 Standard Specifications and as specified herein. The Contractor shall for the safety and protection of through and local traffic, furnish, erect, and maintain traffic control devices as shown on the plans and as directed by the Engineer. The Contractor shall remove the traffic control devices in a prompt, safe, and orderly manner upon completion of the work or when directed by the Engineer.

The Contractor shall maintain access to business and residential driveways at all times as described herein.

The Contractor shall notify the Engineer a minimum of 72 business hours prior to the implementation of any detours, street closures, or lane closures.

Traffic control elements, traffic control devices, barricade lighting, barricade spacing, taper lengths, etc., shall conform to the requirements of the 2005 edition of the Michigan Manual of Uniform Traffic Control Devices as amended, unless otherwise specified herein. This includes advance warning signs, barricades and channeling devices at intersecting streets, on which traffic is to be maintained.

Utilize MDOT MD-23b, that is attached, for lane closure while working adjacent to Mission Street (BR-127).

The Contractor is to provide a detour route and proposed signage to redirect westbound Fairfield Drive traffic onto Lynnwood Drive to East Preston Street.

The Contractor is required to contact all local and state police, fire, emergency services that have jurisdiction within the construction influence area a minimum of five (5) calendar days prior to the implementation of any lane closure or detours.

Changes and/or adjustments to the maintaining traffic plans and standards may be applied as determined by the Engineer.

1) Construction Influence Area (CIA)

The CIA shall include the right-of-way of the street where work is to take place from the beginning to the end of the construction signing and inclusive of all the construction signing on the intersecting streets & detours.

B) Materials

All traffic control devices and their usage shall conform to the 2005 edition of the Michigan Manual of Uniform Traffic Control Devices as amended, and as specified as herein.

Construction signing shall be required as shown in the Maintaining Traffic plan sheets.

Signs, barricades, and plastic drums shall be cleaned over the entire surface as required by the Engineer.

1) Temporary Signs

All signs must be approved by the Engineer prior to use.

All diamond-shaped warning signs shall be 48" x 48" mounted at a 7' minimum bottom height. Distances shown between construction warning, regulatory, and guide signs shown on the plans and typical are approximate and may require field adjustment, as directed by the Engineer.

All temporary signs shall be constructed with legends and symbols flush to the sign's face and not extending beyond the sign borders or edges. Temporary warning, regulatory, and guide signs not required for a particular work Operation shall be removed, completely covered, or laid down with the legs off, as directed by the Engineer.

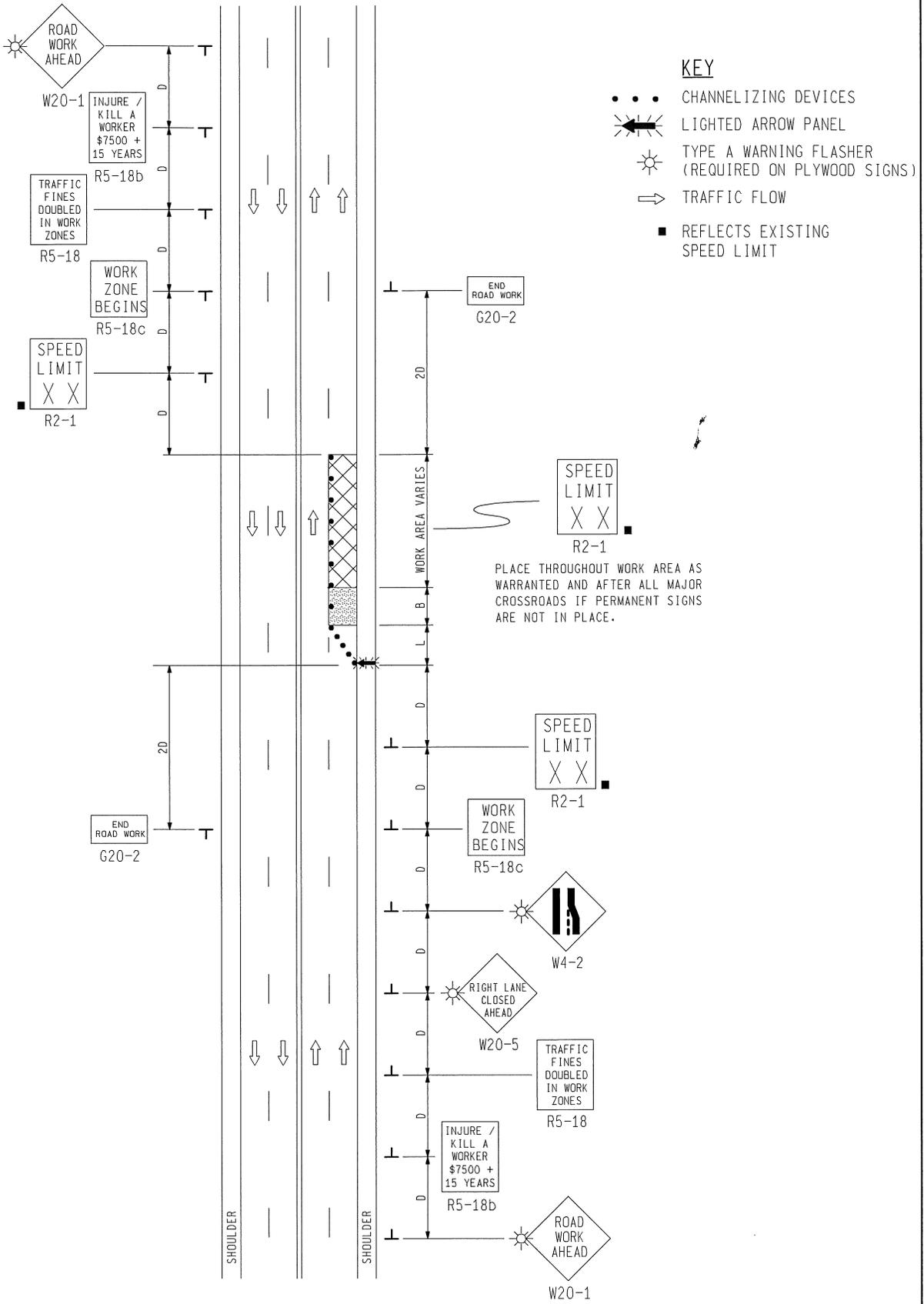
C) Construction

The contractor shall limit street excavation activities to 300 feet at a time. The contractor's backfill and aggregate base placement shall follow closely behind, such that no more than 300 feet of road shall be without existing pavement or a minimum of four (4) inches of compacted gravel on the sub-base.

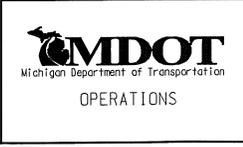
D) Measurement and Payment

This work will be measured and paid as specified in section 403 & 802 of the Standard Specifications using the following contract items (pay items).

Contract Item (Pay Item)	Pay Unit
Minor Traf Devices	Lump Sum



NOT TO SCALE



ONE-LANE CLOSURE ON AN
UNDIVIDED MULTI-LANE ROADWAY,
NO SPEED REDUCTION

DURATION:	LONG-TERM STATIONARY, INTERMEDIATE-TERM STATIONARY
01/01/07 REV. DATE:	MD - 23b
	PAGE A15

City of Mt. Pleasant
SPECIAL PROVISION
FOR
RESTORATION, MODIFIED

City of Mt Pleasant

1 of 3

January 29, 2013

A) Description

- i) This work shall include all labor, materials and equipment to clean up and restore public and private ground to a condition equal to or better than that which existed prior to construction. This includes removal and legal disposal of all construction debris, litter, and materials.

B) Materials

- 1) Topsoil
Black dirt or natural surface soil, high in organic material, free from stones, brush, debris, objectionable weeds, or other litter, and approved by the City Engineer prior to spreading. The engineer may perform a soil test prior to approval. Peat material is not acceptable.
- 2) Fertilizer
Fertilizer shall be commercial seed starting 20-10-10 grade supplied in the manufacturer's packaging with composition clearly marked. Bulk fertilizer may be used when certified delivery slips are furnished by the Contractor, meeting section 816 of the 2012 MDOT specifications.
- 3) Seed
Seed material and application shall meet section 816 of the 2012 MDOT specifications, using TUF seed mixture.
- 4) Mulch and Adhesive
Mulch and adhesives shall meet section 816 of the 2012 MDOT specifications, for wood fiber mulch. Paper mulch or straw are not acceptable.

C) Construction

- 1) Preparation of Seed Bed
 - i) Grading
Grades on areas to be seeded shall be maintained in a true and even condition. Where the grades are not defined, they shall be established by the Contractor to blend with existing adjacent grades without irregularities and shall provide for proper drainage.
 - ii) Placing Topsoil
Topsoil shall be evenly spread by blade graders, or other approved methods, to a minimum depth of four inches (4"). Any irregularities in the surface resulting from

topsoiling or other operations shall be corrected in order to prevent the formation of depressions where water will stand. Topsoil shall not be placed until the subgrade has been smoothly graded and compacted, and the engineer or inspector approves the subgrade in writing.

iii) Application of Fertilizer

Fertilizer shall meet the requirements of section 812 of the 2012 MDOT specifications for Class A fertilizer.

iv) Cleanup

After completion of the above operations, the surface shall be cleared of stones, roots, brush, wire, grade stakes, and other objects that might be a hindrance to maintenance operations.

2) Seeding

TUF seed mixture meeting requirements of section 816 of the 2012 MDOT specifications shall be used on all lawn areas and adjacent backslopes. No seeding shall be done until the Engineer has inspected the seed container and has given written approval of the topsoil. Seeding for erosion control measures shall be cereal rye seed.

3) Mulching

i) Straw and Hay Mulch

As part of the seeding and fertilizing operations, wood fiber mulch shall be spread over the surface as required in section 816 of the 2012 MDOT specifications. Paper mulch is not acceptable.

ii) Mulch Adhesive

Mulch shall be held in place by a spray coating of mulch adhesive. The Contractor shall protect all traffic, signs, structures, and other objects from being marked or disfigured by the adhesive material. Fire hydrants shall be covered prior to the placement of all sprayed materials. Adhesive material shall be applied uniformly at a rate of 400 gallons per acre, sprayed simultaneously with the mulch, or a surface application of adhesive sprayed immediately following mulching.

4) Establishment of Seeded Areas

The Contractor shall be responsible for the proper care of the seeded area during the period when the grass is becoming established, and shall be responsible for a total grass cover. The acceptance of the work will not be given until grass cover is established.

i) Watering

Seeded areas shall be watered whenever excessive drying is evident during the period set for establishment of the seeded area. The Contractor shall be responsible for the proper care of the seeded areas and for the establishment of a uniform stand of grass until final acceptance of the entire work covered by the Contract.

The City has established a program to encourage residents to water the newly seeded areas, to help establish the lawn. Residents will be given a credit on their water bill for watering the newly seeded areas.

ii) Weeds

After the grass has become established, if it appears to have more than ten percent (10%) weeds, the Contractor shall spray with an approved herbicide (weed killer).

D) Measurement and Payment

Restoration, Modified shall be paid for by the square station as measured along the project centerline and will include all work necessary to restore both sides of the street. The price paid shall be payment in full for all Restoration, Modified work.

Contract Item (Pay Item)	Pay Unit
Restoration, Modified	Square Yard

City of Mt. Pleasant
SPECIAL PROVISION
FOR
ROADWAY EARTHWORK, MODIFIED

City of Mt Pleasant

1 of 1

June 26, 2013

A) Description

This work consists of excavating soil and placing embankments or fills per Section 205.01 of the 2012 Standard Specifications for Construction.

B) Materials

The materials used for this work shall meet the requirements of Section 205.02 of the 2012 Standard Specifications for Construction.

C) Construction

Construction methods shall meet the requirements of Section 205.03 of the 2012 Standard Specifications for Construction.

D) Measurement and Payment

Payment for **Excavation, Earth** shall be based on measurements by the Engineer for removing topsoil and other selected excavated materials to expose the subgrade in areas that have new pavement that are currently lawn areas.

Payment for **Embankment, CIP** shall be based upon measurements by the Engineer for placing embankment material in areas that are currently paved and will become lawn areas after the existing pavement has been removed.

Contract Item (Pay Item)

Pay Unit

Excavation, Earth	Cubic Yard
Embankment, CIP	Cubic Yard

City of Mt. Pleasant
SPECIAL PROVISION
FOR
SUBBASE, MODIFIED

City of Mt Pleasant

1 of 1

June 26, 2013

A) Description

This work consists of constructing a granular subbase on a surface approved by the Engineer per Section 301.01 of the 2012 Standard Specifications for Construction.

B) Materials

The materials used for this work shall meet the requirements of Section 301.02 of the 2012 Standard Specifications for Construction.

C) Construction

Construction methods shall meet the requirements of Section 301.03 of the 2012 Standard Specifications for Construction.

D) Measurement and Payment

Payment for **Subbase, CIP** shall be based on measurements by the Engineer for subbase material in areas that have new pavement that are currently lawn areas and includes all equipment and labor to perform this work.

Contract Item (Pay Item)

Pay Unit

Subbase, CIPCubic Yard

City of Mt. Pleasant
SPECIAL PROVISION
FOR
INTERLOCKING CLAY UNIT PAVERS

City of Mt Pleasant

1 of 1

August 21, 2013

A) Description. This work consists of installing interlocking clay unit pavers (pavers) including base material, bedding and leveling material, joint paver filler, and all associated items to complete this work in its entirety. Complete this work in accordance with the standard specifications, except as modified in the details on the plans and in this special provision.

1. **Submittals:** Before starting this work, construct a 20 square foot (approximately) sample panel using bedding depth, materials, pattern, and joints shown on the plans. Construct the sample panel using the range of concrete paver color, texture, and workmanship, proposed for the work. Correct and rebuild sample panel until it is acceptable to the Engineer. This sample panel shall be constructed in a location of proposed work and shall be incorporated into the final product.

2. **Certification:** This work must be performed by workers with satisfactory record of performance on completed projects of comparable size and quality. Provide references to the Engineer if requested.

3. **Coordination:** Review installation procedures and coordinate this work with other contractors or subcontractors working in the area. Furnish and install temporary barricades and warning lights, as required, for public safety and protection of work. Protect adjacent work from damage, soiling, or staining during paving operations

B) Materials. Comply with Standard Specification for Construction and this special provision. Store granular materials in a well drained area on a solid surface to prevent mixing with foreign materials. Do not use frozen materials or materials mixed or coated with ice or frost.

1. Interlocking Clay Unit Pavers.

a. K&W Old Smokie Repressed Chamfered as manufactured by Glen-Gery Corporation. Conform to the requirements of ASTM C 902 Standard Specification for Light Traffic Paving Brick. The units shall have dimensions of 2¼" x 4" x 8".

b. Provide only sound units free of defects that could interfere with proper installation or reduce the life of the finished work. Minor cracks and minor chipping incidental to methods of manufacture or handling are subject to visual inspection and the Engineers acceptance. Excessive cracks and chips will be cause for rejection. There must be no efflorescence evident upon visual inspection of the pavers at the project site.

c. Provide manufacturers test data certification, according to the MDOT Quality Assurance Procedures Manual, documenting that the pavers meet these specifications when tested as specified in ASTM C902. Conduct freeze – thaw test not more that 12 months prior to delivery.

- d. Submit a minimum of five full-size samples for each paver color. Included the full range of style, size, exposed finish, color, and texture proposed for the work.
 - e. Protect Pavers from damage, chipping, and soiling during delivery and storage. Store off the ground on pallets or wood platforms. Do not use paving units with chips, cracks, voids, discoloration, or other visible defects.
2. Base Material – Use granular Class II granular material meeting section 902 of the Standard Specification for Construction.
 3. Bedding and Leveling Material – Use 2NS or 2SS granular material meeting section 902 of the Standard Specification for Construction.
 4. Paver Joint Filler – Use 2MS granular material meeting section 902 of the Standard Specification for Construction.
 5. Edge Restraint – Use EdgePro Paver Restraint manufactured by Dimex LLC, or approved equal.

C) Construction

1. **Construction.** Restrict pedestrian and vehicular traffic in the area during installation of pavers. Do not build on frozen, wet, saturated, or muddy sub-grade. Protect partially completed paving against weather damage when work is not in progress. Remove and replace completed work damaged by frost or freezing.

a. Bedding and Leveling Course. Spread bedding and leveling course materials evenly over the entire area to be paved, screed to a level that will provide a minimum 1-inch thickness when the pavers are placed and vibrated. Protect completed bedding and leveling course from damage until covered with paver units. Do not pre-compact bedding and leveling course.

b. Clay Pavers. Correct any unsatisfactory substrate or installation conditions prior to placing any paver units. Use full pavers wherever possible. Where cutting is required, use the largest size pavers possible. Cut pavers to provide required pattern and to neatly fit adjoining work. Cut pavers with block splitter or other equipment designed to cut masonry with clean, sharp, unchipped edges. Ragged cuts will not be accepted. Cut through the full thickness of the pavers.

Lay paver units in the pattern shown on the plans. Set all pavers flush to adjacent concrete curbs, sidewalks, and adjoining work. Maintain uniform 1/16-inch to 1/8-inch joints between pavers.

Vibrate pavers to final grade with three or more passes of a vibrating plate compactor. After the first pass, brush joint filler material over the surface and vibrate into the joints with additional passes. Completely fill joints. After final vibrating, the surface must be true to grade and not vary by more than 1/4-inch when tested with a 10-foot straightedge at any location on the surface.

Remove and replace pavers that are broken, chipped, stained, or otherwise damaged. Provide new matching units, install as specified and to minimize evidence of replacement. Clean pavers during installation and upon completion of the work. Repair damage to adjacent areas resulting from paver installation operations, as directed by the Engineer.

Remove and properly dispose of all unused materials, cutting remnants and other debris upon completion of the installation.

D) Measurement and Payment

The completed work will be measured and paid for at the contract unit price using the following pay items:

Contract Item (Pay Item)	Pay Unit
Unit Pavers	Square Foot
Unit Pavers, Salv.....	Square Foot
Unit Pavers, Rem	Square Foot

Unit Pavers includes all materials, labor, and equipment necessary to install the bedding material and pavers as described, including excavation.

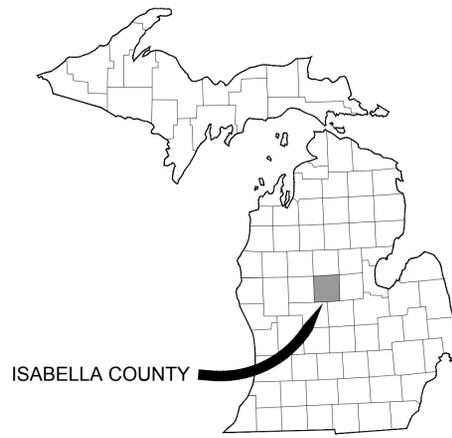
Unit Pavers, Salv includes all materials, labor, and equipment necessary to install salvaged pavers, at designated locations according to the plans, with new bedding materials as described, including excavation.

Unit Pavers, Rem includes all materials, labor, and equipment necessary to remove existing Unit Pavers, and properly salvage for use during the project. Any remaining salvaged pavers shall be considered the contractors property and contractor shall dispose of removed material according to the Standard Specifications for Construction.

CITY OF MT. PLEASANT

Isabella County, Michigan

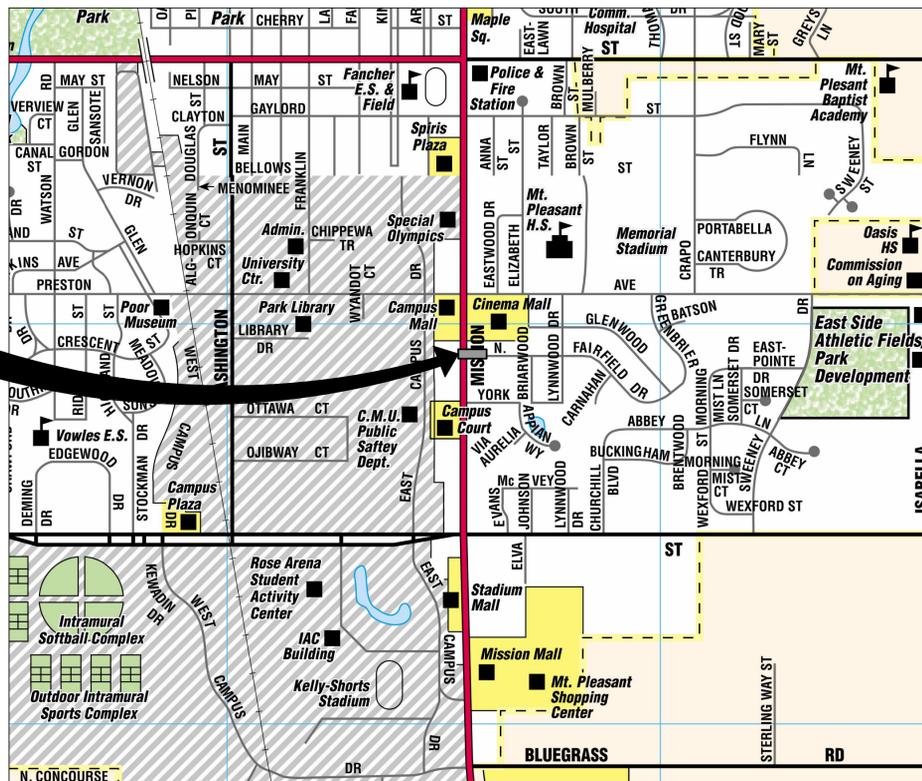
FAIRFIELD DRIVE REALIGNMENT



ISABELLA COUNTY

VICINITY MAP

PROJECT LOCATION



INDEX OF DRAWINGS

SHEET NO.	DESCRIPTION
C1.0	COVER SHEET
C2.0	TOPOGRAPHIC SURVEY & REMOVAL PLAN
C3.0	SITE AND GRADING PLANS
C4.0	DETAILS

DATUM
 VERTICAL: LOCAL DATUM
 HORIZONTAL: STATE PLANE

UTILITY CONTACTS

TELEPHONE:
 FRONTIER COMMUNICATIONS
 345 PINE AVENUE
 ALMA, MI 48801
 ATTENTION: MARK MARSHALL
 PHONE: 989-463-0392

GAS:
 DTE ENERGY/MICHIGAN
 1011 HASTINGS
 TRAVERSE CITY, MI 49684
 ATTENTION: RONALD MARROW
 PHONE: 231-258-3784
 CELL: 231-690-1284

ELECTRIC:
 CONSUMERS ENERGY
 1325 WRIGHT AVENUE
 ALMA, MI 48801
 ATTENTION: RICH KLENDER
 PHONE: 989-466-4279

CABLE:
 CHARTER COMMUNICATIONS
 915 EAST BROOMFIELD ROAD
 MT. PLEASANT, MI 48858
 ATTENTION: BRYON CARROLL
 PHONE: 989-621-0505

WINN TELECOM:
 402 N. MISSION STREET
 MT. PLEASANT, MICHIGAN 48858
 ATTENTION: PAUL LABRIE
 CELL: 989-621-8788

MUNICIPAL CONTACTS

MT. PLEASANT CITY MANAGER:
 CITY HALL - HISTORIC BORDEN BUILDING
 320 W. BROADWAY
 MT. PLEASANT, MICHIGAN 48858
 ATTENTION: KATHIE GRINZINGER, CITY MANAGER
 PHONE: 989-779-5323

MT. PLEASANT DIVISION OF PUBLIC WORKS:
 1303 N. FRANKLIN STREET
 MT. PLEASANT, MICHIGAN 48858
 ATTENTION: JEN FLACHS, ENGINEERING AIDE
 PHONE: 989-779-5406

MT. PLEASANT PLANNING & COMMUNITY DEVELOPMENT:
 320 W. BROADWAY
 MT. PLEASANT, MICHIGAN 48858
 ATTENTION: JEFFREY M. GRAY, AICP, DIRECTOR
 PHONE: 989-779-5347
 EXT. 5346

EAST CAMPUS DRIVE

CENTRAL MICHIGAN UNIVERSITY
 COMBINED SERVICES BUILDING
 MT. PLEASANT, MICHIGAN
 ATTENTION: STEVE LAWRENCE
 PHONE: 989-774-7473

MICHIGAN DEPARTMENT OF TRANSPORTATION

1212 CORPORATE DRIVE
 MT. PLEASANT, MICHIGAN 48858
 ATTENTION: BEN BURROWS, PERMITS & MATERIALS
 PHONE: 989-775-6104
 EXT. 305

LOCATION MAP
 NO SCALE



ALL PROPERTY AND/OR RIGHT-OF-WAY LINES SHOWN ARE APPROXIMATE
 THE LOCATION OF UNDERGROUND UTILITIES SHOWN ARE APPROXIMATE AND ARE BASED ON PLANS PROVIDED BY UTILITY COMPANIES AND / OR THE CITY OF MT. PLEASANT OR IN FIELD OBSERVATIONS.



FLEIS & VANDENBRINK
ENGINEERING, INC.
 304 W. Wackerly Road, Ste. 600, Midland, MI, 48640
 Phone: (989) 837.3280 Fax: (989) 837.3290

PROJECT 813710

C1.0

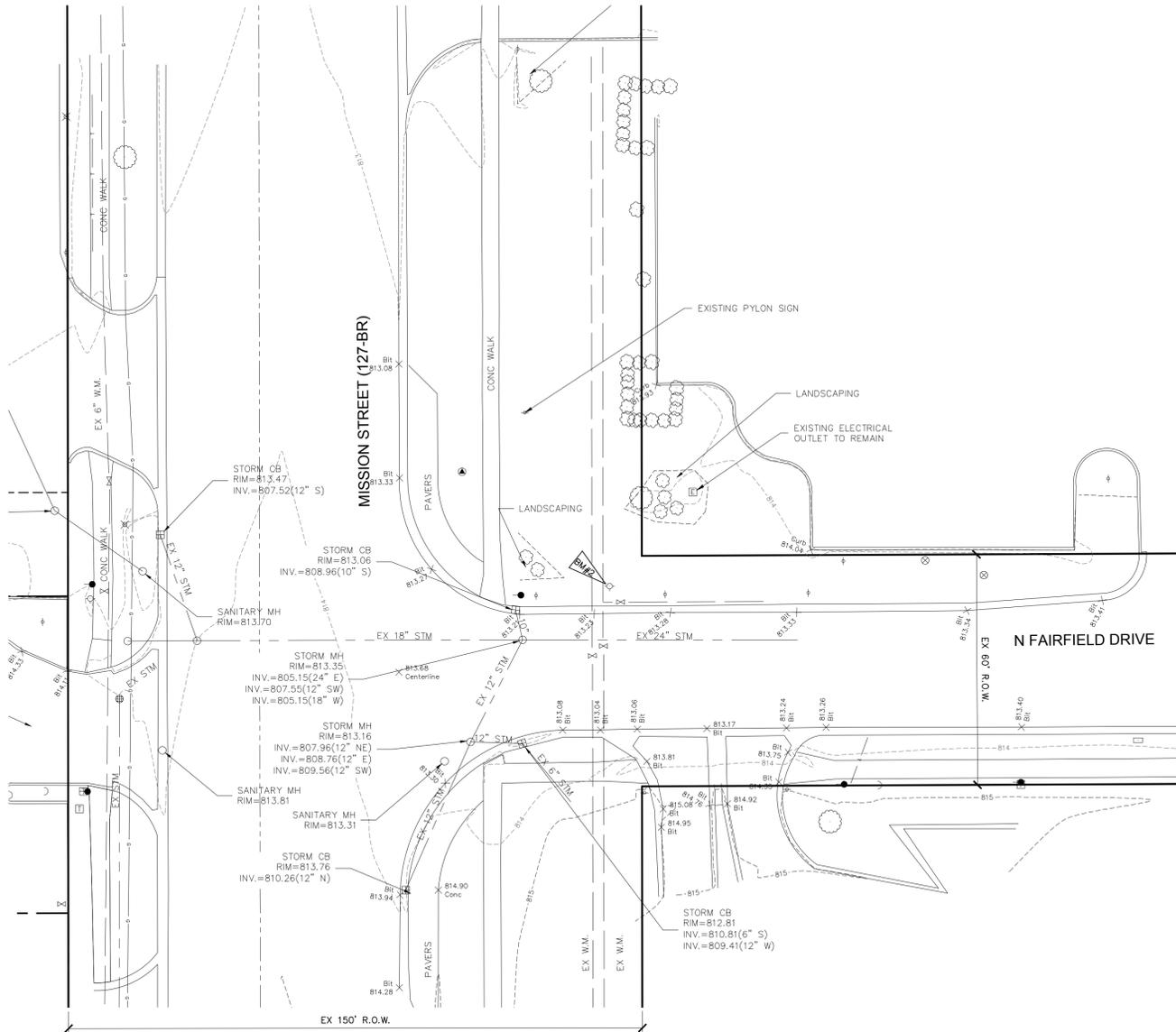
CITY OF MT. PLEASANT - FAIRFIELD DRIVE REALIGNMENT

813710

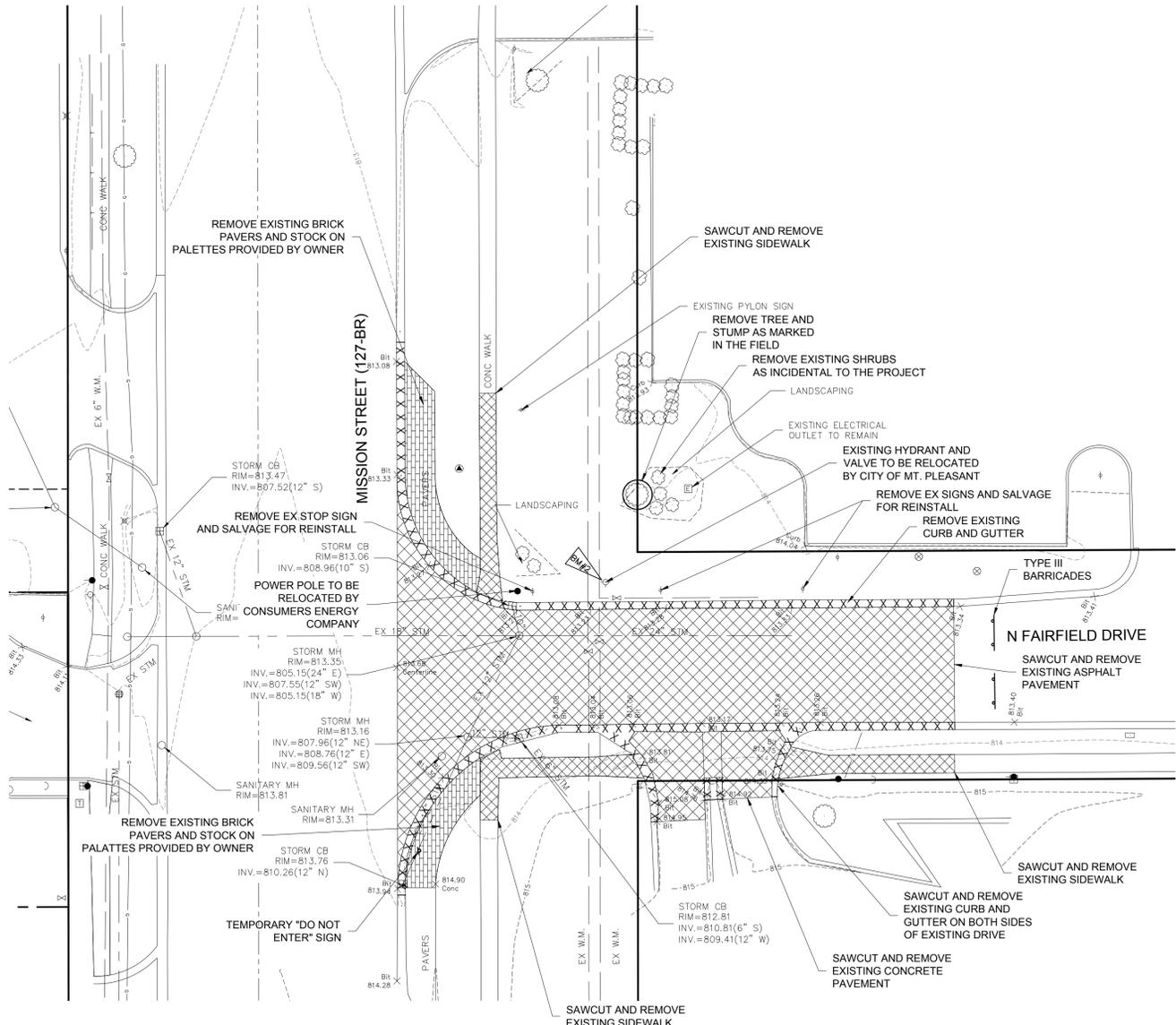
CITY OF MT. PLEASANT

BM #1 EL. 815.75'
NE CORNER CONC PAD, W SIDE OF
CAMPUS DRIVE, W OF PROPOSED
CONNECTOR, ±100' WNW OF
TRANSFORMER PAD

BM #2 EL. 814.81
NW UPPER FLANGE BOLT, FH @ NE
QUAD OF MISSION & FAIRFIELD



TOPOGRAPHIC SURVEY



REMOVAL PLAN

LEGEND

SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
(Tree symbol)	TREE (DECIDUOUS)	(Cable box symbol)	CABLE BOX	(Survey point symbol)	TEMP. SURVEY POINT
(Bush symbol)	BUSH	(Telephone riser symbol)	TELEPHONE RISER	(Benchmark symbol)	BENCHMARK
(Tree symbol)	TREE (CONIFEROUS)	(Telephone manhole symbol)	TELEPHONE MANHOLE	(Section corner symbol)	SECTION CORNER
(Dead tree symbol)	DEAD TREE	(Electrical riser symbol)	ELECTRICAL RISER	PROPERTY LINE	
(Stump symbol)	STUMP	(Electrical manhole symbol)	ELECTRICAL MANHOLE	(Watermain symbol)	WATERMAIN
(Manhole symbol)	MANHOLE	(Power pole symbol)	POWER POLE	(Sanitary sewer symbol)	SANITARY SEWER
(Sanitary cleanout symbol)	SANITARY CLEANOUT	(Light pole symbol)	LIGHT POLE	(Storm sewer symbol)	STORM SEWER
(RD. catch basin symbol)	RD. CATCH BASIN	(Guy pole symbol)	GUY POLE	(Cable T.V. symbol)	CABLE T.V.
(SQ. catch basin symbol)	SQ. CATCH BASIN	(Guy anchor symbol)	GUY ANCHOR	(Telephone symbol)	TELEPHONE
(Fire hydrant symbol)	FIRE HYDRANT	(Railroad symbol)	RAILROAD	(Electric symbol)	ELECTRIC
(Water valve symbol)	WATER VALVE	(Yard light symbol)	YARD LIGHT	(Gas symbol)	GAS
(Curb stop & box symbol)	CURB STOP & BOX	(Sign symbol)	SIGN	(Overhead lines symbol)	OVERHEAD LINES
(Well symbol)	WELL	(Mailbox symbol)	MAILBOX	(Fence symbol)	FENCE
(Water manhole symbol)	WATER MANHOLE	(Guard post symbol)	GUARD POST	(Woodline symbol)	WOODLINE
(Water meter symbol)	WATER METER	(Found conc. monument symbol)	FOUND CONC. MONUMENT	(Culvert (under 10') symbol)	CULVERT (UNDER 10')
(Soil boring symbol)	SOIL BORING	(Found iron rod symbol)	FOUND IRON ROD	(Culvert (10' and up) symbol)	CULVERT (10' AND UP)
(Monitoring well symbol)	MONITORING WELL	(Set iron rod symbol)	SET IRON ROD		

NOTE: ALL ITEMS LISTED ON THE LEGEND MAY NOT BE PRESENT ON DRAWING.

- NOTES:**
- CONSTRUCTION OF REALIGNED ROAD IS TO BE FULL DEPTH CONSTRUCTION. NO EXISTING AGGREGATE IS TO BE UTILIZED FOR THE NEW ROADWAY OR APPROACH BASE.
 - EXISTING AGGREGATE BASE IS TO BE TEMPORARILY LEFT IN PLACE AND UTILIZED AS AN EXIT FOR RALLYS ON THE SOUTH SIDE OF FAIRFIELD DRIVE.
 - CONTRACTOR IS TO USE MDOT MD-236 LANE CLOSURE STANDARD FOR SINGLE LANE CLOSURE ON MISSION STREET (BR-127). TYPE III BARRICADES WITH SIGNS STATING "ROAD CLOSED" SHALL BE PLACED AT THE EAST END OF THIS PROJECT. A TEMPORARY "DO NOT ENTER" SIGN SHALL BE PLACED AT THE SOUTHEAST CORNER OF MISSION STREET AND FAIRFIELD DRIVE ONCE THE EXISTING PAVEMENT HAS BEEN REMOVED. THIS WILL BE UTILIZED AS AN EXIT ONLY FOR RALLYS.

LEGEND

(Brick pavers symbol)	REMOVE EXISTING BRICK PAVERS
(Asphalt pavement symbol)	REMOVE EXISTING ASPHALT PAVEMENT
(Concrete sidewalk symbol)	REMOVE EXISTING CONCRETE SIDEWALK
(Concrete curb symbol)	REMOVE EXISTING CONCRETE CURB

ALL PROPERTY AND/OR RIGHT-OF-WAY LINES SHOWN ARE APPROXIMATE
ALL UNDERGROUND UTILITIES ARE APPROXIMATE BASED OFF UTILITY AND/OR AS-BUILT PLANS OR FIELD OBSERVATIONS.



FLEIS & VANDENBRINK
ENGINEERING, INC.
304 West Wackerly, Suite 600, Midland, MI 48640
P: 989.837.3290 F: 989.837.3290

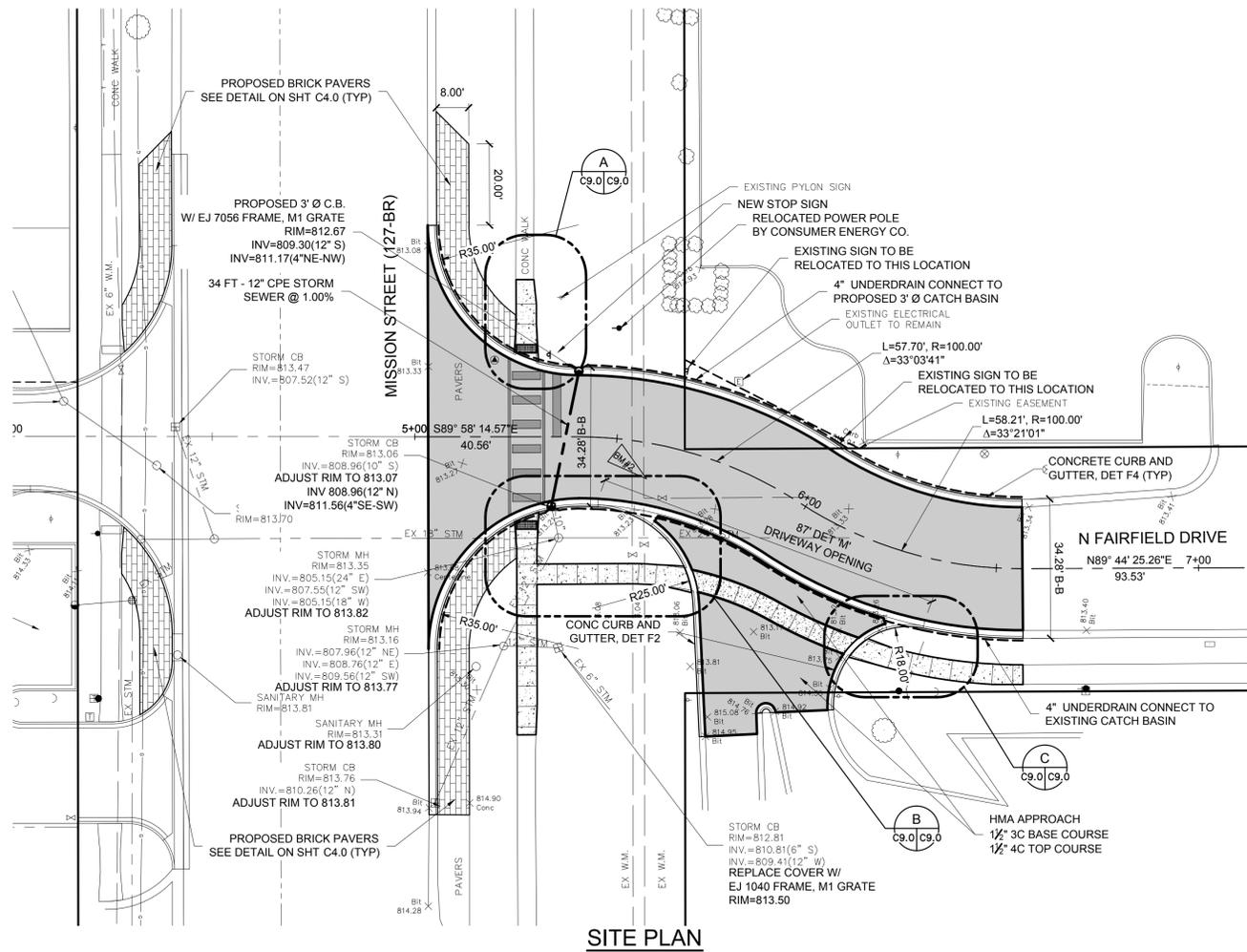
NO.	DATE	BY	REVISIONS
1	8-26-13		ISSUED FOR BIDS

CITY OF MOUNT PLEASANT
ISABELLA COUNTY, MICHIGAN
FAIRFIELD DRIVE REALIGNMENT
TOPOGRAPHIC SURVEY & REMOVAL PLAN

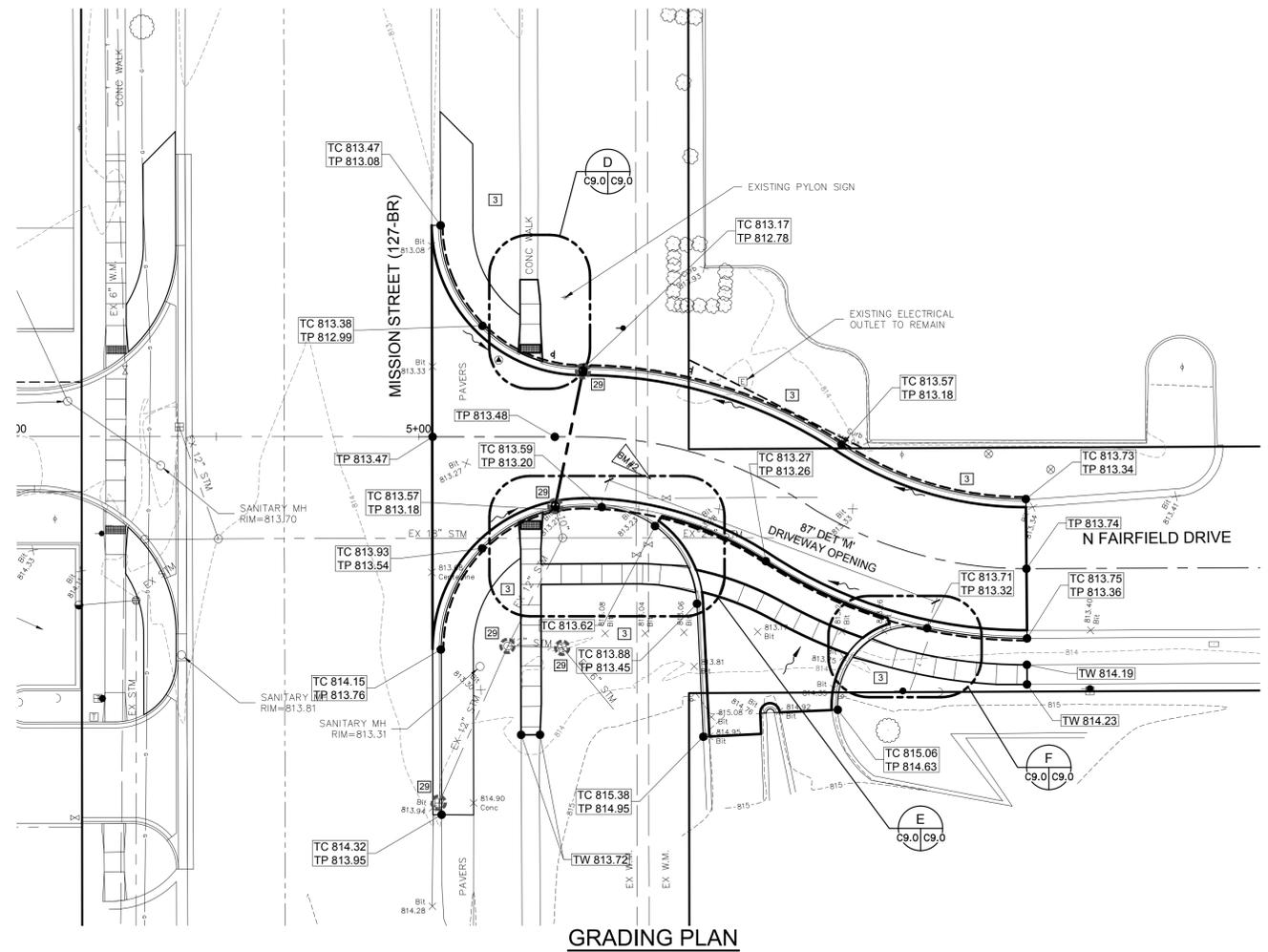
PROJECT MGR.	DESIGN/ENC.
GOB	DRS
DRAWN BY	ISSUE DATE
DRS	AUG '13
CHECKED BY	DATE
CAD FILE	
1313710 C2.0 TOPO	
EDIT	
douglass 082613	
DRAWING SCALE(S)	
	1"=20'
PROJECT	813710
SHEET NO.	C2.0

BM #1 EL. 815.75'
NE CORNER CONC PAD, W SIDE OF
CAMPUS DRIVE, W OF PROPOSED
CONNECTOR, ±100' WNW OF
TRANSFORMER PAD

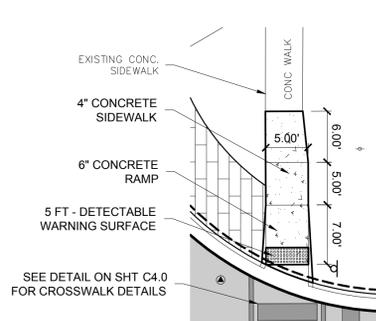
BM #2 EL. 814.81
NW UPPER FLANGE BOLT, FH @ NE
QUAD OF MISSION & FAIRFIELD



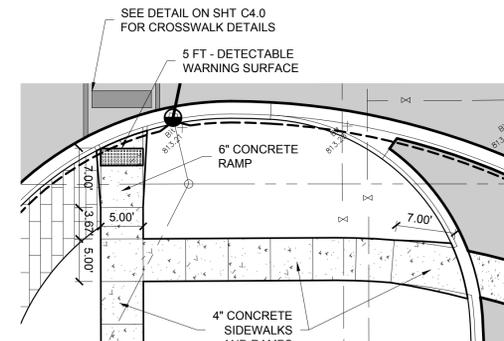
SITE PLAN



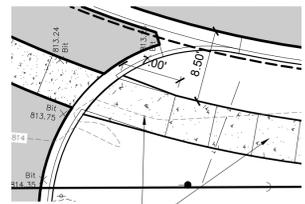
GRADING PLAN



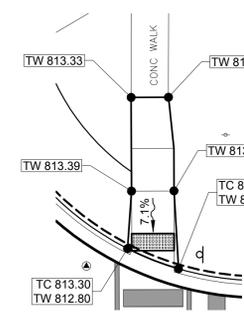
A SIDEWALK DETAIL
SCALE: 1"=10'



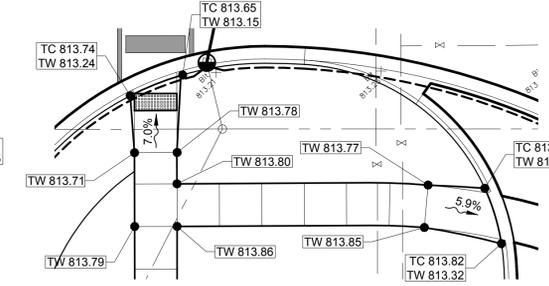
B SIDEWALK DETAIL
SCALE: 1"=10'



C SIDEWALK DETAIL
SCALE: 1"=10'



D SIDEWALK DETAIL
SCALE: 1"=10'



E SIDEWALK DETAIL
SCALE: 1"=10'



F SIDEWALK DETAIL
SCALE: 1"=10'

- NOTES:**
- CONTRACTOR IS TO USE MDOT MD-23b LANE CLOSURE STANDARD FOR SINGLE LANE CLOSURE ON MISSION STREET (BR-127). TYPE III BARRICADES WITH SIGNS STATING "ROAD CLOSED" SHALL BE PLACED AT THE EAST END OF THIS PROJECT. A TEMPORARY "DO NOT ENTER" SIGN SHALL BE PLACED AT THE SOUTHEAST CORNER OF MISSION STREET AND FAIRFIELD DRIVE ONCE THE EXISTING PAVEMENT HAS BEEN REMOVED. THIS WILL BE UTILIZED AS AN EXIT ONLY FOR RALLYS.
 - SEE THE SUPPLEMENTAL SPECIFICATIONS FOR PHASING OF THIS WORK.

- LEGEND**
- PROPOSED HMA
 - PROPOSED CONCRETE SIDEWALK
 - PROPOSED 6" REINFORCED CONCRETE SIDEWALK
 - PROPOSED BRICK PAVERS

- LEGEND**
- TC TOP OF CURB
 - TW TOP OF WALK
 - TP TOP OF PAVEMENT



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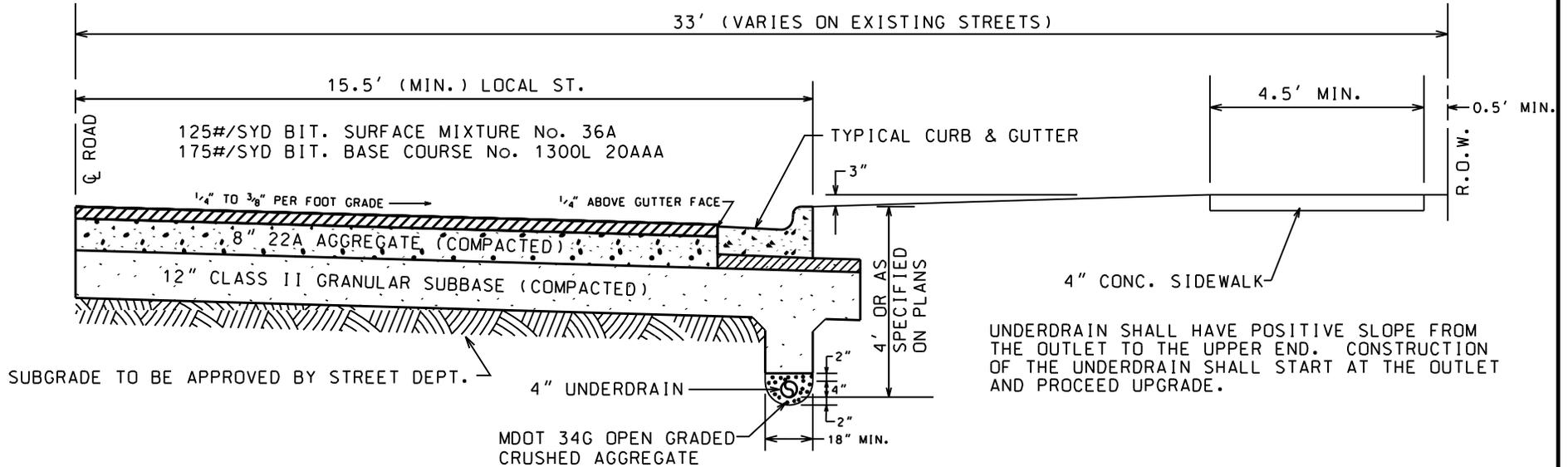
NO.	DATE	BY	REVISIONS
			ISSUED FOR BIDS

CITY OF MOUNT PLEASANT
ISABELLA COUNTY, MICHIGAN
FAIRFIELD DRIVE REALIGNMENT
SITE AND GRADING PLANS

PROJECT MGR.	DESIGN/ENC.
GOB	DRS
DRAWN BY	ISSUE DATE
DRS	AUG '13
CHECKED BY	DATE
CAD FILE	
813710 C3.0 SP	
EDIT	
dauglass	082613
DRAWING SCALE(S)	

PROJECT 813710
C3.0
SHEET NO.

 HATCHED AREA UNDER THE CURB MAY BE 22A AGGREGATE OR GRANULAR MATERIAL CLASS II & SHALL BE INCLUDED IN THE CURB PRICE.



NOTE:

NO SCALE

SUBGRADE, SUBBASE, BASE MATERIAL, SHAPE, COMPACTION IS TO BE APPROVED IN WRITING BY THE STREET DEPARTMENT PRIOR TO PLACING THE NEXT LAYER OF MATERIAL.

NEW STREET SHALL NOT BE ACCEPTED BY THE CITY UNTIL A PERIOD OF 12 MONTHS HAS PASSED FROM THE COMPLETION OF THE STREET. THE DEVELOPER SHALL BE RESPONSIBLE FOR ANY REPAIRS FOR A PERIOD OF 2 YEARS.

THERE MAY BE SOME VARIATIONS IN SIZE OF STREET DUE TO EXISTING STREETS. ANY VARIATIONS ARE SUBJECT TO THE APPROVAL OF THE CITY ENGINEER.

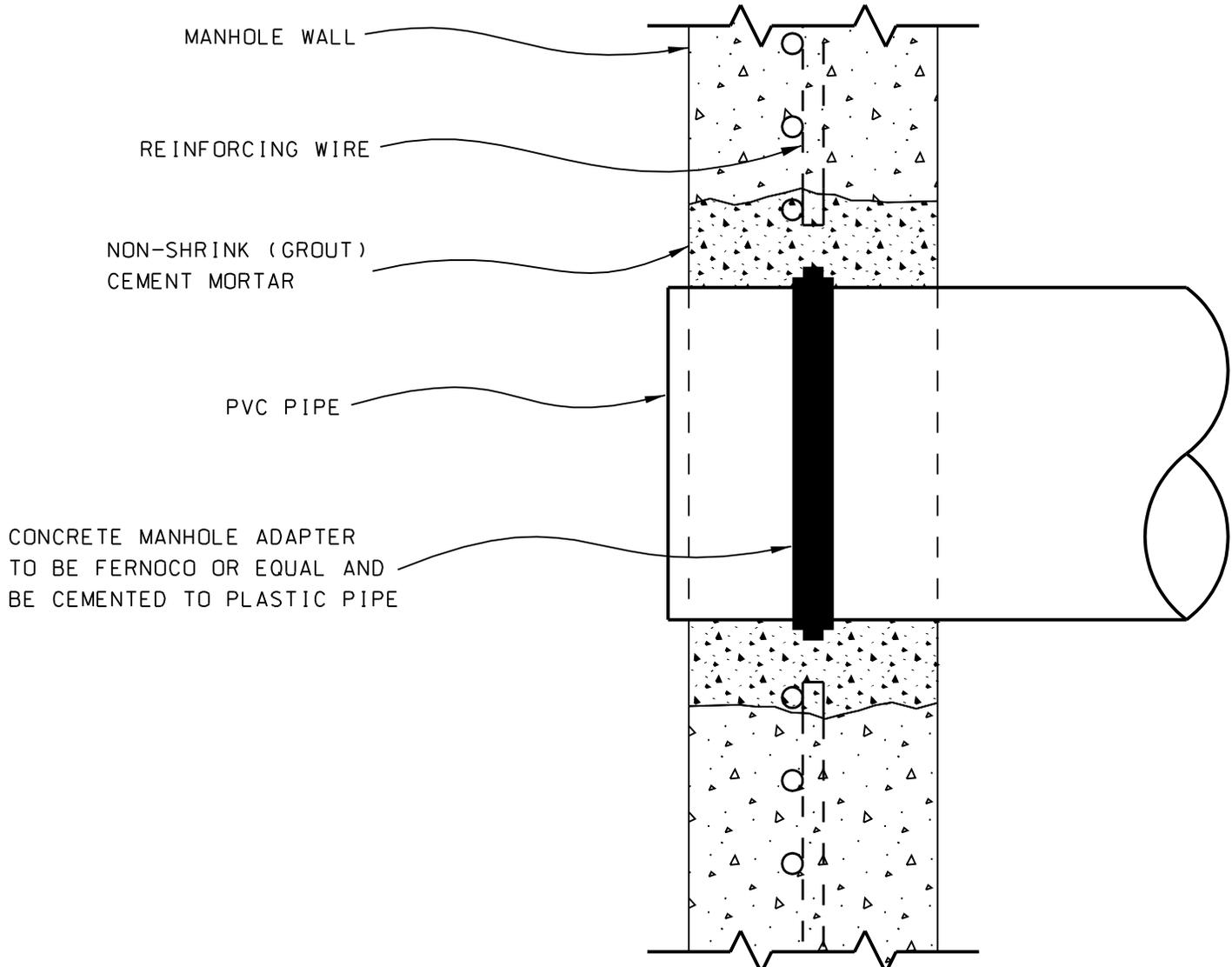
WHERE A CLAY SUBGRADE OR HIGH GROUND WATER EXISTS UNDERDRAIN WILL BE REQUIRED. UNDERDRAIN MATERIAL SHALL MEET CITY SPECIFICATIONS.

DETAIL 2

CITY OF MT. PLEASANT - TYPICAL LOCAL ST. CROSS SECTION

S.L.B. 4/7/00

NO SCALE



DETAIL 10

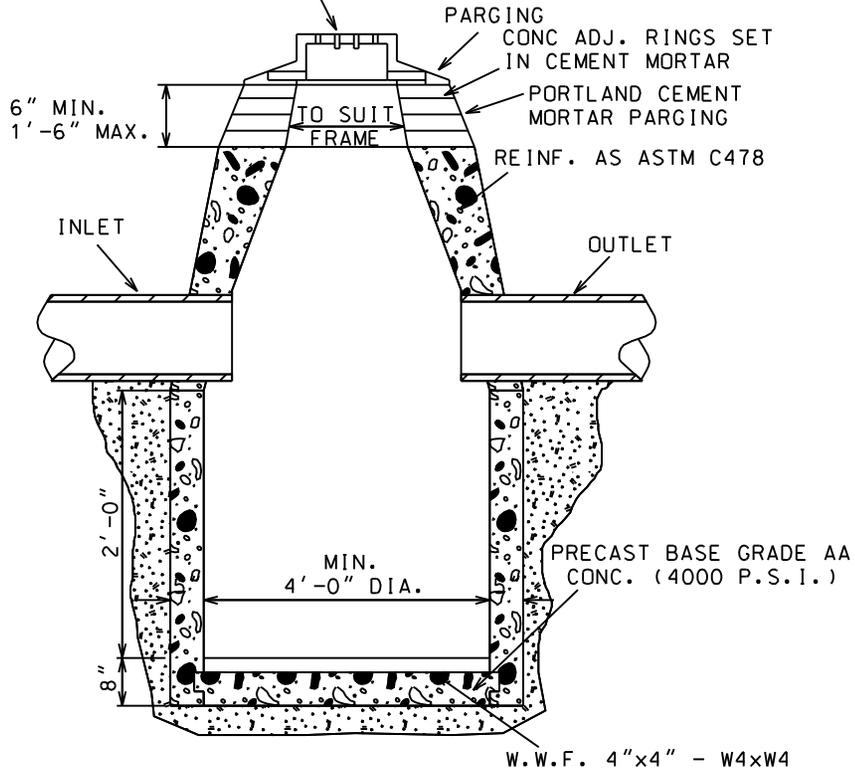
CITY OF MT. PLEASANT - TYPICAL PVC PIPE CONNECTION TO EXISTSTING MANHOLE

NO SCALE

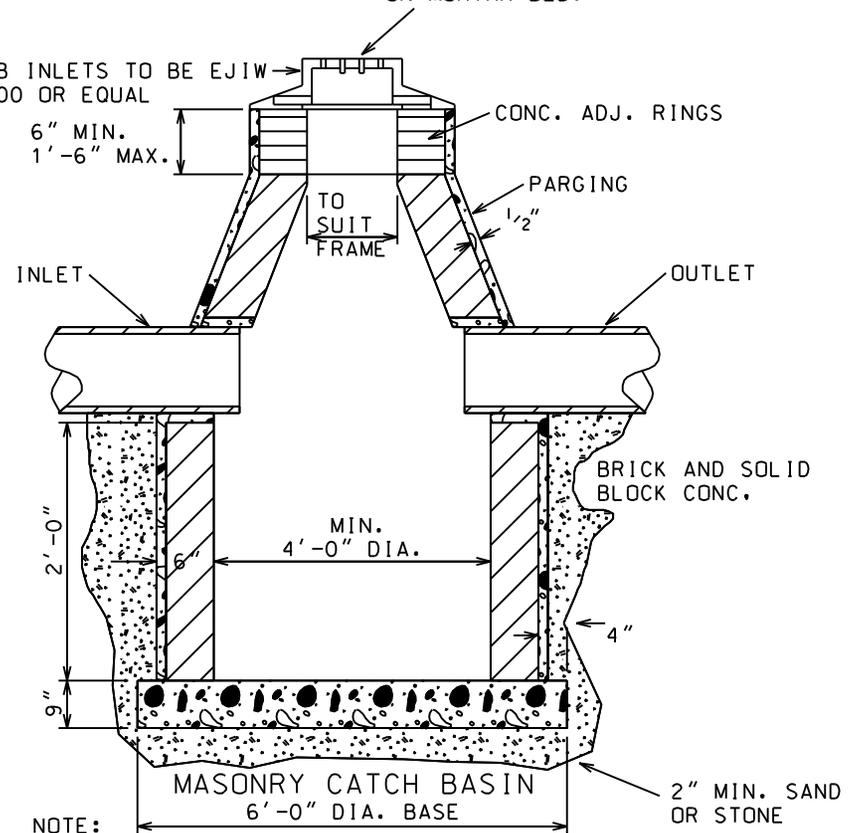
C.B. FRAME & COVER SET ON MORTAR BED.

CATCH BASIN SHALL BE USED PRIOR TO ANY ENTRY OF RUNOFF INTO A STORM SEWER MAIN

C.B. FRAME & COVER SET ON MORTAR BED.



CURB INLETS TO BE EJIW #7000 OR EQUAL



NOTE: PRECAST CATCH BASIN

NOTE:

CATCH BASIN FRAME & GRATE SHALL BE CITY OF MT. PLEASANT STANDARD EJIW #7000 OR EQUAL AND SHALL BE STAMPED WITH THE SHAPE OF A FISH AND THE WORDS "DUMP NO WASTE!" AND "DRAINS TO RIVER".

EXISTING C.B. LEAD SIZES VARY. STEPS SHALL BE INSTALLED IN ALL 4' DIAMETER STRUCTURES MORE THAN 4' DEEP AND SHALL BE PLACED AT 16" INTERVALS AND OF APPROVED CITY DESIGN.

PRECAST CONC. BASES MAY BE USED IN LIEU OF CAST IN PLACE BASES DETAILED. PRECAST BASES SHALL BE 8" THICK, GRADE AA CONC. (4000 P.S.I.) W/4"x4" W4xW4 W.W.F. PLACED 3" BELOW TOP OF BASE. PRECAST BASES SHALL BE SET LEVEL ON A SAND CUSHION, MIN. THICKNESS 2"

PARGING OVER MASONRY ON EXTERIOR SURFACES SHALL BE 1:2 CEMENT MORTAR, ONE COAT.

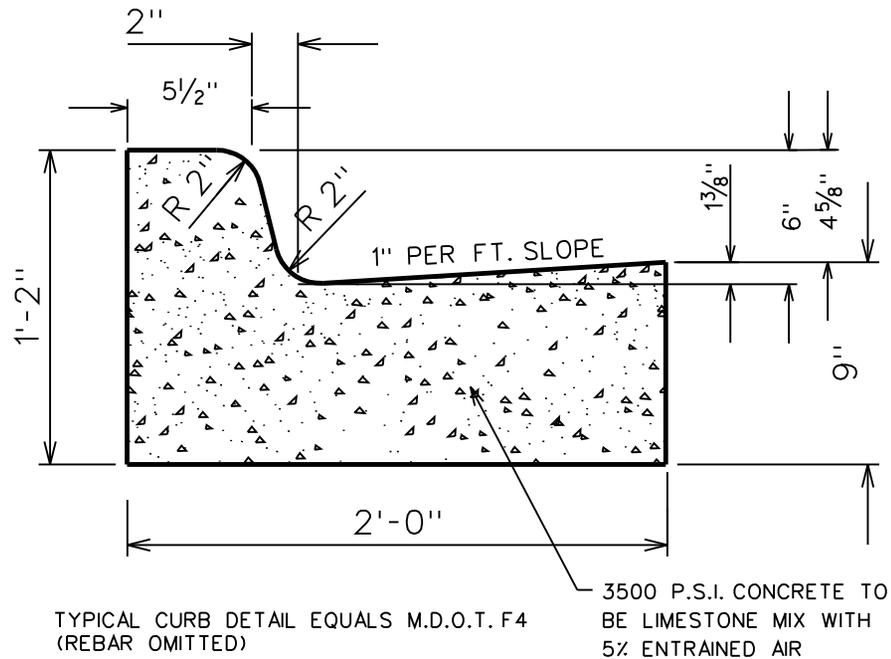
DETAIL 13

CITY OF MT. PLEASANT

--

TYPICAL CATCH BASINS

NO SCALE



NOTE:

A. EXPANSION JOINTS SHALL:

1. BE PLACED AT ALL SPRING LINES AND POINTS OF CURVATURE AND POINTS OF TANGENCY.
2. BE PLACED A MINIMUM OF EVERY 100 LINEAL FEET INTERVAL.
3. BE PLACED AT EXPANSION JOINTS IN ABUTTING PAVEMENT.
4. BE PLACED AT LOCATIONS SHOWN IN OTHER DETAILS AND TYPICAL DRAWINGS FOR HANDICAP RAMPS, SIDEWALKS, CONCRETE DRIVEWAY APPROACHES AS SHOWN ON THE PLANS AND/OR AS DIRECTED IN THE FIELD BY THE INSPECTOR OR ENGINEER.
5. BE PLACED AT ENDS OF PREVIOUSLY POURED CURB, IF PREVIOUS POUR WAS MADE 30 MINUTES OR MORE PRIOR TO THE CURRENT POUR (THIS INCLUDES AT BOTH ENDS OF CURB AND GUTTER REPLACEMENT ABUTTING EXISTING CONCRETE).

EXPANSION MATERIAL SHALL EXTEND THE FULL DEPTH AND WIDTH OF STRUCTURE WITH NO CONCRETE BRIDGING BETWEEN THE SEPARATED CONCRETE.

B. CONTRACTION JOINTS

(USED ONLY IF SECTION IS STEEL REINFORCED)

1. CONTRACTION JOINTS SHALL BE PLACED OPPOSITE AND IN LINE WITH CONTRACTION JOINTS IN ABUTTING CONCRETE PAVEMENT.

C. PLANE OF WEAKNESS JOINTS SHALL:

1. BE PLACED UNIFORMLY (10 FT. MAX.) BETWEEN CONTRACTION AND/OR EXPANSION JOINTS.

2. BE PLACED AT STRUCTURES SUCH AS VALVES, POLES AND MANHOLES WHEN THESE STRUCTURES ARE WITHIN OR WITHIN A PORTION OF THE CURB AND GUTTER.

D. ALL CURB AND GUTTER IS TO HAVE A 4 INCH MIN. CLASS II SAND OR 22A AGGREGATE BASE (ON CITY CONTRACTS BASE IS INCIDENTAL TO CURB AND GUTTER PRICE).

E. ALL DRIVEWAY CUTS ARE TO HAVE THE BACK EDGE OF CURB A MIN. OF 1" ABOVE THE FLOW LINE OF THE GUTTER. AT LOCATIONS WHERE THE DRIVEWAY SLOPES AWAY FROM THE CURB THEN A HIGHER BACK OF CURB AT THE DRIVEWAY OPENINGS MAY BE REQUIRED TO KEEP AS MUCH WATER AS POSSIBLE FROM DRAINING ON TO THE DRIVEWAY. THE RECOMMENDED MAX. HEIGHT IS 2 INCHES.

F. WHITE PIGMENTED LIQUID CURING COMPOUND ASTM C309, TYPE 1-D, CLASS B VEHICLE, RATE OF 1 GALLON PER 200 SQ. FEET IS TO BE APPLIED TO ALL EXPOSED CONCRETE AS SOON AS FREE WATER LEAVES THE SURFACE.

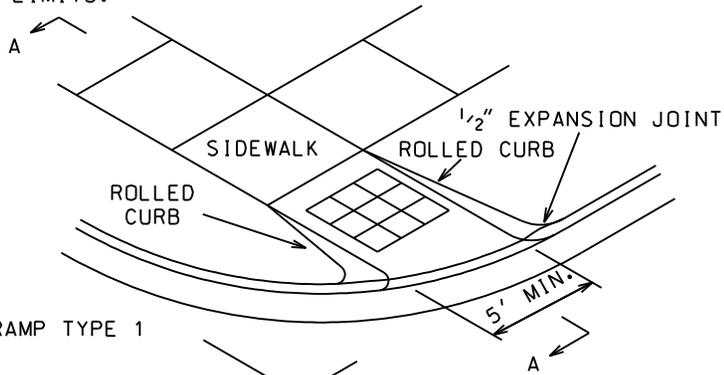
DETAIL 23

CITY OF MT. PLEASANT - TYPICAL CURB AND GUTTER

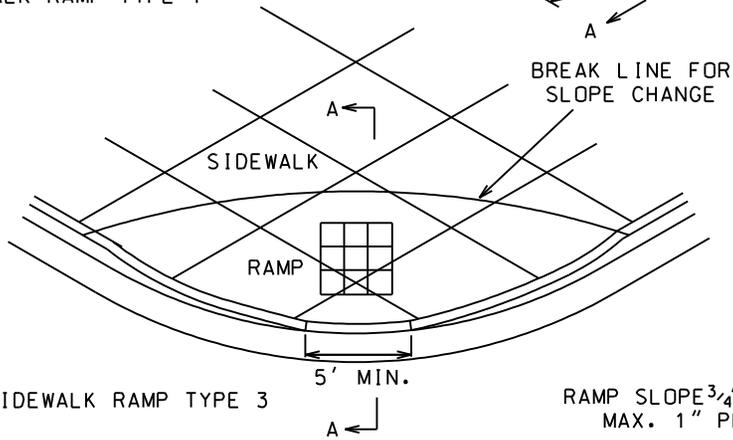
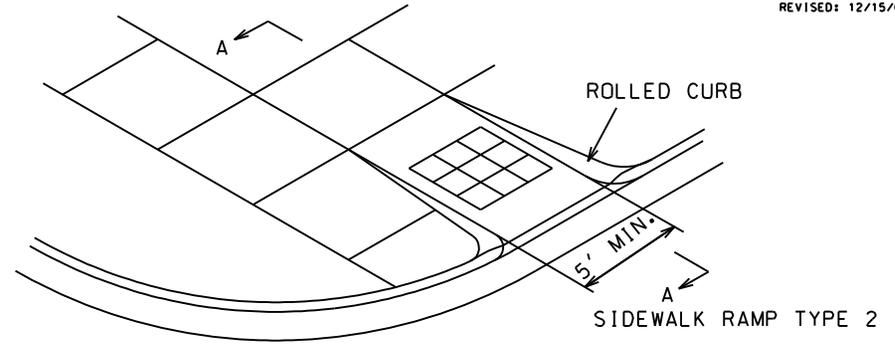
RAMP SIDEWALK HERE. IF NECESSARY TO STAY WITHIN DESIRABLE SLOPE LIMITS.

NO SCALE

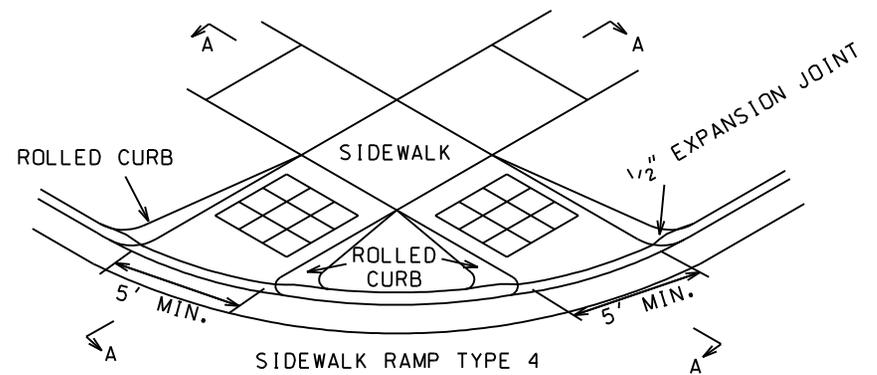
DRAWN: J.E.M
REVISED: 12/15/00



SIDEWALK RAMP TYPE 1

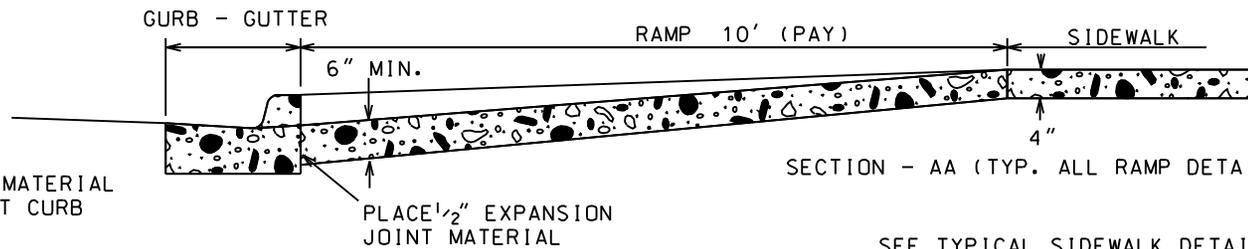


SIDEWALK RAMP TYPE 3



SIDEWALK RAMP TYPE 4

RAMP SLOPE 3/4" PER FT.
MAX. 1" PER FT.



PLACE 1/2" EXPANSION MATERIAL AT BACK OF STREET CURB

SECTION - AA (TYP. ALL RAMP DETAILS)

SEE TYPICAL SIDEWALK DETAIL FOR ADDITIONAL SPECIFICATIONS.

DETAIL 25

CITY OF MT. PLEASANT -- TYPICAL SIDEWALK HANDICAPPED RAMP