

City of Mt. Pleasant, Michigan

# **CONTRACT DOCUMENTS**

For Construction  
of

2014 New Sidewalk Construction



**SHARON TILMANN**  
Mayor

**NANCY RIDLEY**  
Interim City Manager

Prepared By:  
Division of Public Works

**JOHN ZANG**  
DPW Director

March 2014

City of Mt. Pleasant, Michigan

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## NOTICE TO BIDDERS

### 2014 New Sidewalk Construction

The City of Mt. Pleasant, Michigan, is requesting sealed bids at the Office of the City Clerk, City Hall, 320 W. Broadway Street, Mt. Pleasant, Michigan 48858, until 1:30 p.m. (local time), on April 1, 2014, at which time and place the bids will be publicly opened and read. All bids shall be submitted in a sealed envelope, plainly marked "2014 New Sidewalk Construction – April 1, 2014."

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

Concrete Sidewalk, 4 inch	23,800	SFT
Concrete Sidewalk, 6 inch	8,900	SFT
Sidewalk Ramp	8,200	SFT
Detectable Warning Surface	820	FT

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.

To view and download complete Plans and Specifications at no charge, visit the City of Mt. Pleasant website at [www.mt-pleasant.org](http://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.

Stacie Tewari  
 City Engineer  
 (989) 779-5404

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 (2) 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.

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

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.

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City of Mt. Pleasant, Michigan  
2014 New Sidewalk Construction  
**BID PROPOSAL**

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

BID DATE: April 1, 2014  
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 the 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 of these Specifications. The Bidder further agrees to pay as liquidated damages the sum indicated in the Special Conditions for each consecutive calendar day thereafter, until substantial completion, that is when all work items in the proposal are complete and notification of substantial completion of work items and final quantities is given to the Director of Public Works by the contractor.

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:

**BASE BID**

**CATEGORY 1 – NEW SIDEWALK**

ITEM	DESCRIPTION	QTY	UNIT	UNIT PRICE	TOTAL COST
1	Pavt, Rem, Modified	1,785	Syd	\$	\$
2	Tree, Rem, 19 inch to 36 inch	1	Ea	\$	\$
3	Curb and Gutter, Rem	407	Ft	\$	\$
4	Sidewalk, Rem	227	Syd	\$	\$
5	Erosion Control, Inlet Protection, Fabric Drop	27	Ea	\$	\$
6	Excavation, Earth	654	Cyd	\$	\$
7	Subbase, CIP	521	Cyd	\$	\$
8	Curb and Gutter, Conc, Det F4, Modified	407	Ft	\$	\$
9	Sidewalk Ramp, Conc, 6 inch	2,180	Sft	\$	\$
10	Sidewalk, Conc, 4 inch	23,759	Sft	\$	\$
11	Sidewalk, Conc, 6 inch	8,871	Sft	\$	\$
12	Detectable Warning Surface, Modified	214	Ft	\$	\$
13	Driveway, Nonreinf Conc, 6 inch	662	Syd	\$	\$
14	HMA Approach	58	Ton	\$	\$
15	Approach, CI I, 6 inch	386	Syd	\$	\$
16	Approach, CI II, 6 inch	22	Syd	\$	\$
17	Hand Patching	13.70	Ton	\$	\$
18	Slope Restoration, Modified	6,957	Ft	\$	\$

SUBTOTAL \$ \_\_\_\_\_

**CATEGORY 2 – SIDEWALK REPLACEMENT**

ITEM	DESCRIPTION	QTY	UNIT	UNIT PRICE	TOTAL COST
19	Sidewalk, Rem	370	Syd	\$	\$
20	Erosion Control, Inlet Protection, Fabric Drop	2	Ea	\$	\$
21	Subbase, CIP	24	Cyd	\$	\$
22	Sidewalk, Conc, 4 inch	2,750	Sft	\$	\$
23	Sidewalk, Conc, 6 inch	950	Sft	\$	\$
24	Slope Restoration, Modified	740	Ft	\$	\$

SUBTOTAL \$ \_\_\_\_\_

**CATEGORY 3 – ADA RAMPS**

ITEM	DESCRIPTION	QTY	UNIT	UNIT PRICE	TOTAL COST
25	Pavt, Rem, Modified	224	Syd	\$	\$
26	Curb and Gutter, Rem	1,005	Ft	\$	\$
27	Sidewalk, Rem	663	Syd	\$	\$
28	Erosion Control, Inlet Protection, Fabric Drop	32	Ea	\$	\$
29	Excavation, Earth	2	Cyd	\$	\$
30	Subbase, CIP	74	Cyd	\$	\$
31	Curb and Gutter, Conc, Det F4, Modified	1,005	Ft	\$	\$
32	Sidewalk Ramp, Conc, 6 inch	6,027	Sft	\$	\$
33	Detectable Warning Surface, Modified	604	Ft	\$	\$
34	Slope Restoration, Modified	980	Ft	\$	\$

SUBTOTAL \$ \_\_\_\_\_

**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

**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.)

<b>Name of Owner &amp; Location</b>	<b>Name/Address/Phone # of Person in Charge as Reference</b>	<b>Type of Work</b>	<b>Value of Work</b>	<b>Date Completed</b>
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1. \_\_\_\_\_

\_\_\_\_\_

2. \_\_\_\_\_

\_\_\_\_\_

3. \_\_\_\_\_

\_\_\_\_\_

4. \_\_\_\_\_

\_\_\_\_\_

City of Mt. Pleasant, Michigan  
2014 New Sidewalk Construction

**SUPPLEMENTAL SPECIFICATIONS**

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. This is not a state sponsored project; therefore, the payment of prevailing wages is not a requirement of this contract.

1. Time Constraints

Completion of this project within the time constraints described below is essential. The Contractor shall not begin work on the project before April 28, 2014. The Category 3 work shall be completed by June 20, 2014. Category 1 and Category 2 work shall be completed by July 31, 2014.

2. Holidays

No work is to be scheduled by the contractor on Sundays, nor on the following holidays or holiday weekends:

Memorial Weekend	5/23/2014 to 5/26/2014
July 4 <sup>th</sup> Weekend	7/4/2014 to 7/6/2014

3. Additional Work By Contractor For Property Owner(s)

Any and all additional work between the contractor and property owner shall be handled and negotiated between the contractor and property owner. The city shall have no responsibility or liability for any additional construction.

4. Signing and Barricading

Lighted barricades or barrels must adequately protect all excavations. Type I, Type II, or approved reflector zed barrels, shall be used at all excavations that will remain open overnight. Signing and barricading costs shall be borne by the contractor. The contractor shall provide the city with the telephone number of the signing company and the telephone number of a local contact person available during non-working hours to place or replace signs, signals, and barricades. One Hundred Dollars (\$100.00) shall be deducted from monies due

to the contractor for each and every call requiring action by city forces for purposes of placing or replacing barricades and/or signing.

#### 5. Sidewalk Grade Elevation

It is imperative that any continuous sections of sidewalk replacement be graded to allow water to drain both to the outside edge of the street side of the sidewalk and laterally to a driveway opening or perpendicular sidewalk connecting to the street. This may require raising either end of a continuous stretch of sidewalk to raise the grade to provide positive drainage. This may require the use of additional sand to elevate the sidewalk grade. The city will pay for all sand-compacted in-place by the cyd. The contractor shall stockpile sand at the DPW yard for use in this contract. All delivery tickets shall be given to the inspector upon delivery. For bidding purposes an estimated amount of sand shall be included in the proposal.

#### 6. Sidewalk Handicap Ramps

Handicap ramps shall be constructed following the 2012 MDOT Standard Specifications for Construction along with the City of Mt. Pleasant Special Provisions attached herein. Sidewalk handicap ramp construction shall also follow the latest ADA requirements.

#### 7. Damaged Sidewalk, Street or Driveways

Any damage occurring to adjacent sidewalk, streets, or driveways outside the limits of removal will be replaced at the contractor's expense, unless otherwise agreed upon prior to removal. It is recommended that sawcutting take place at limits of removal to minimize damage to adjacent structures. Any newly poured sidewalk is to be protected by the contractor. Any damage occurring to concrete sidewalks prior to curing will be replaced at the contractor's expense. The contractor should verify listed quantities prior to removal.

#### 8. Property Protection/Restoration

The contractor will be responsible for any damage occurring while removing, forming, or pouring concrete including broken curbs, water shut-offs, sidewalks, driveways, or ruts caused by any equipment or trucks. Redi-mix trucks are not to drive on curbs, driveways, or lawns. If necessary, planking is to be used while driving over curbs and lawns. Any rutted areas are to be rototilled, topsoiled, seeded, and mulched. If the existing lawn is sodded, the sod shall be squared and cut out; the ground shall be rototilled, brought to grade and re-sodded. Temporary restoration shall consist of filling in all excavations, topsoiling, and temporary seeding. Temporary restoration shall take place within three days of pouring concrete. Final restoration is to be completed within the

time limitations of the contract or the city will complete restoration and deduct all cost from the contractor's pay request invoice.

#### 9. Inspection

All sidewalk is to be inspected by a designated city inspector prior to pouring concrete. The grade will be inspected for proper elevation, depth, width, and compaction of sub-grade. All tree roots are to be removed, by grinding or cutting, a minimum of four inches (4") below proposed bottom concrete grade and replaced with sand. Increased sand quantities will not be paid for unless approval is given by the inspector prior to removal. All four inch (4") sidewalk is to be by actual measurement in depth. Depth in accordance with nominal lumber sizes will not be accepted. Copies of all ready-mix tickets must be turned into the inspector at the end of the day.

#### 11. Sidewalk Construction, Quantities and Locations

Sidewalk construction quantities are estimates. Proposed sidewalk construction locations are: various locations - see plans.

#### 12. 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.

#### 13. 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.

#### 14. 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.

15. Excavated Material

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

16. 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.

17. Truck Route Streets

Where possible, the contractor shall limit travel to and from the project sites to the truck route streets identified on the Truck Route Map in the construction specification details.

18. Utility Location

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.

19. 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.

City of Mt. Pleasant  
SPECIAL PROVISION  
FOR  
**TECHNICAL SPECIFICATIONS**

City of Mt. Pleasant

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March 14

**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

December 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 2

March 14

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  
Richard Klender  
1325 Wright Avenue  
Alma, MI 48801  
(517) 466-4279

Charter Communication – Cable TV  
Jeff Price  
915 E. Broomfield Rd.  
Mt. Pleasant, MI 48858  
(989) 773-7090

DTE Energy/MichCon – Gas  
Larry Bourke  
609 Bjornson  
Big Rapids, MI 49307  
(231) 592-3244

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

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.

**C) Relocation**

If Utility relocation work is anticipated for this project, contact the appropriate utility company immediately to coordinate relocations. This will minimize delays to the Contractor's operations due to utility work.

Owners of public or private utilities will not be required to relocate utilities in order to facilitate the operations of construction equipment, unless it is determined by the Engineer that such poles or structures constitute a hazard to the public or are extremely dangerous to the Contractor's operations.

City of Mt. Pleasant  
SPECIAL PROVISION  
FOR  
**MAINTAINING TRAFFIC**

City of Mt. Pleasant

1 of 2

March 14

**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.

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.

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.

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) Measurement and Payment**

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

City of Mt. Pleasant

SPECIAL PROVISION  
FOR

**CURB AND GUTTER, CONC, DET F4, MODIFIED**

City of Mt. Pleasant

1 of 1

March 14

**A) Description**

Install Curb and Gutter, Conc, Det F4, 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, Det F4, 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, Det F4, Modified shall be 22A aggregate, and shall be included in the bid price for Curb and Gutter, Conc, Det F4, 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, Det F4, 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

<b>Contract Item (Pay Item)</b>	<b>Pay Unit</b>
Curb and Gutter, Conc, Det F4, Modified.....	Foot

City of Mt. Pleasant  
SPECIAL PROVISION  
FOR  
**SLOPE RESTORATION, MODIFIED**

1 of 3

City of Mt. Pleasant

March 14

**A) Description**

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 lineal foot and will include all work necessary to restore all disturbed areas. The price paid shall be payment in full for all Slope Restoration, Modified work.

**Contract Item (Pay Item)**

**Pay Unit**

Slope Restoration, Modified.....

Foot

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

City of Mt. Pleasant

1 of 1

December 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.

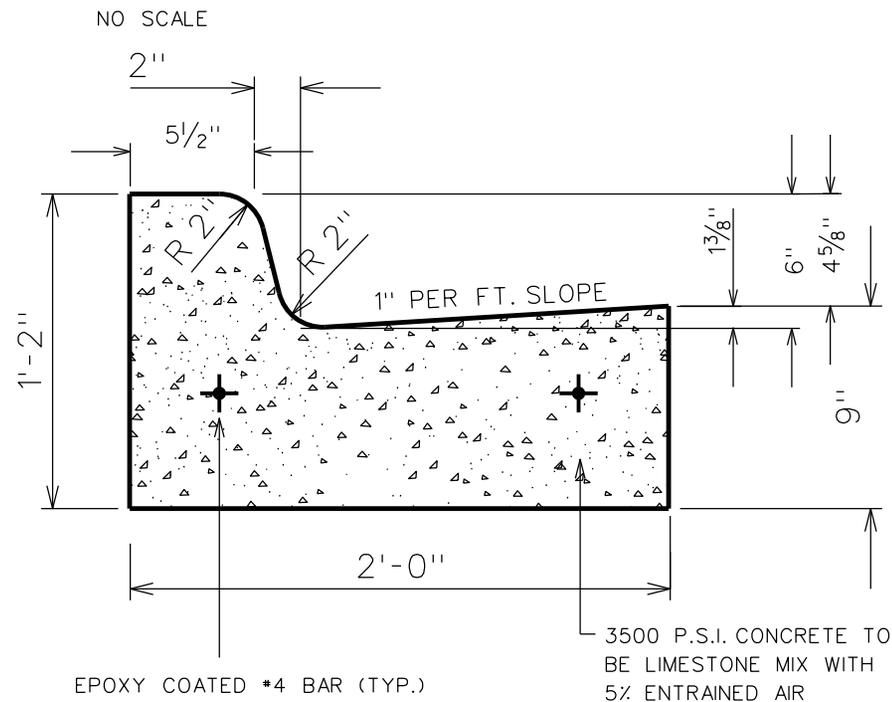
**D) Measurement and Payment**

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



TYPICAL CURB DETAIL EQUALS M.D.O.T. F4

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).

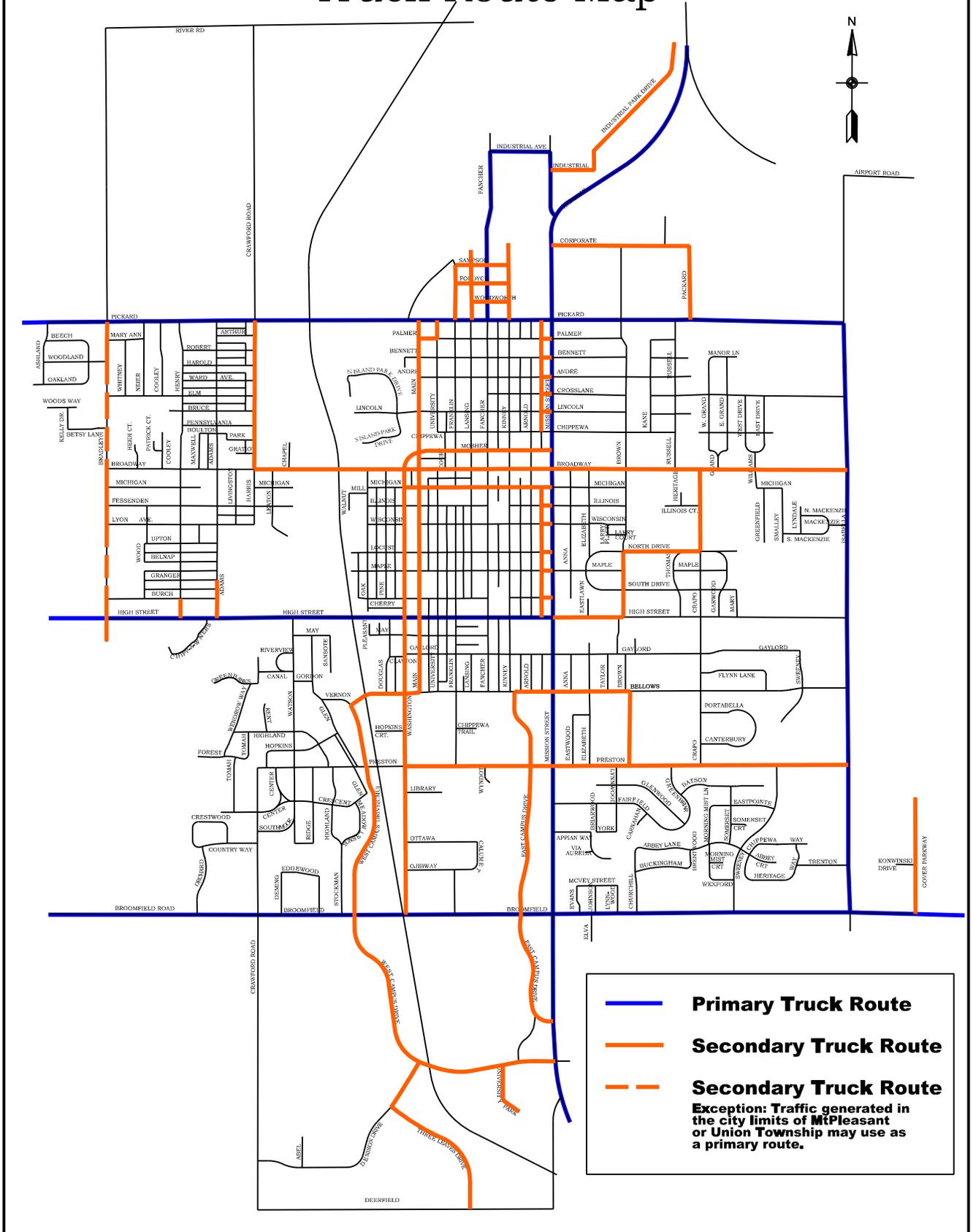
E. ALL DRIVEWAY CUTS ARE TO HAVE THE BACK EDGE OF CURB A MIN. OF 1" ABOVE THE FLOW LINE OF THE GUTTER. AT LOCATIONS WHERE THE DRIVEWAY SLOPES AWAY FROM THE CURB THEN A HIGHER BACK OF CURB AT THE DRIVEWAY OPENINGS MAY BE REQUIRED TO KEEP AS MUCH WATER AS POSSIBLE FROM DRAINING ON TO THE DRIVEWAY. THE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

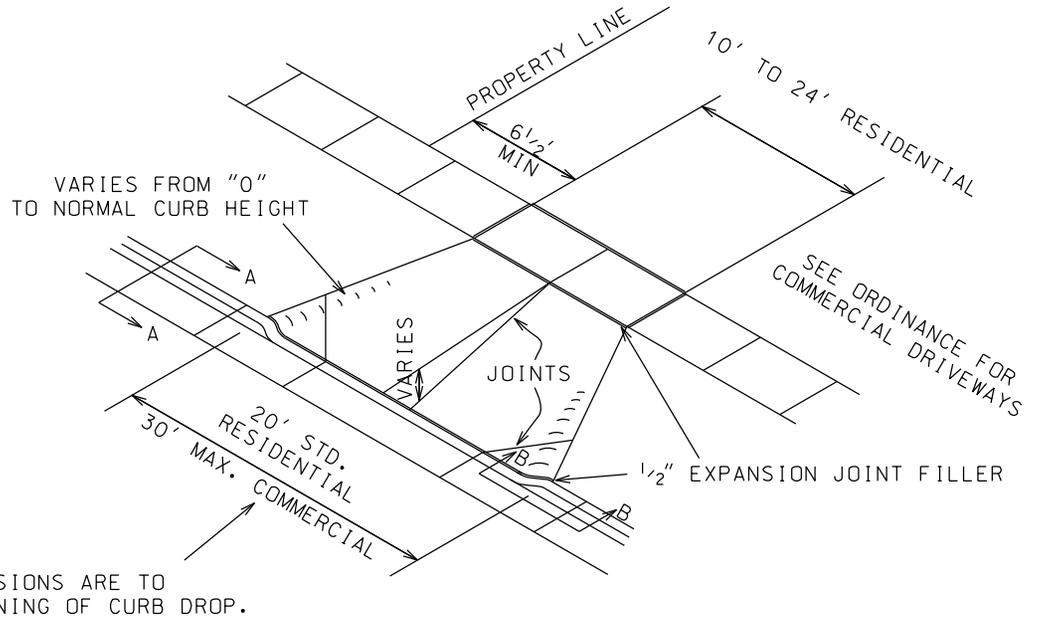
# City of Mt. Pleasant Truck Route Map



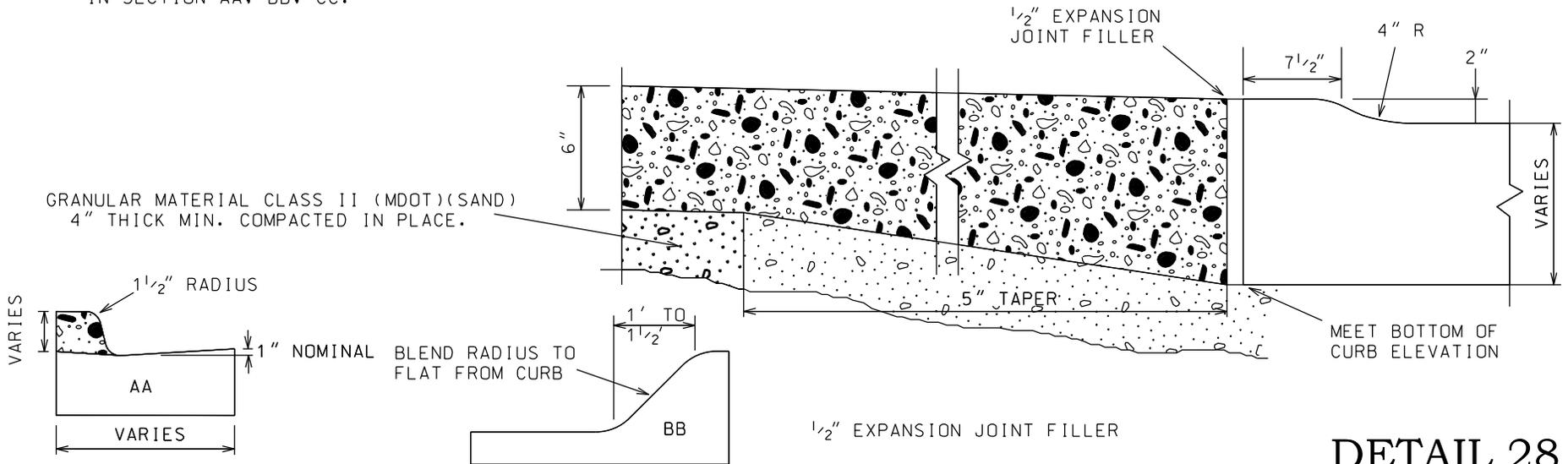
NOTE:

- THE SAME DRIVE DETAIL WILL BE REQUIRED WHERE THE GUTTER PAN HAS BEEN OVERLAYED W. ASPHALT. A TEMPORARY BITUMINOUS PATCH MAY BE NECESSARY OVER A PORTION OF THE DRIVE APPROACH TO MAINTAIN A PROPER PROFILE FOR DRAINAGE.
- 1/2" EXPANSION JOINT MATERIAL (FILLER) TO BE PLACED AT ALL POINTS WHERE NEW CONCRETE ABUTS EXISTING CONCRETE.
- SIDEWALK TO BE A MINIMUM OF 6" DEEP AT DRIVEWAY TO 1' EACH SIDE.
- MAXIMUM DRIVEWAY SLOPE ; 1-1/4" / FT. SIDEWALK ELEVATION MAY HAVE TO BE ADJUSTED.
- DRIVE APPROACH - MIN. DEPTH IN R.O.W. = 6" CONCRETE

CURBS & GUTTER SHALL BE REMOVED & REPLACED WITH A GUTTER SHOWN IN SECTION AA, BB, CC.



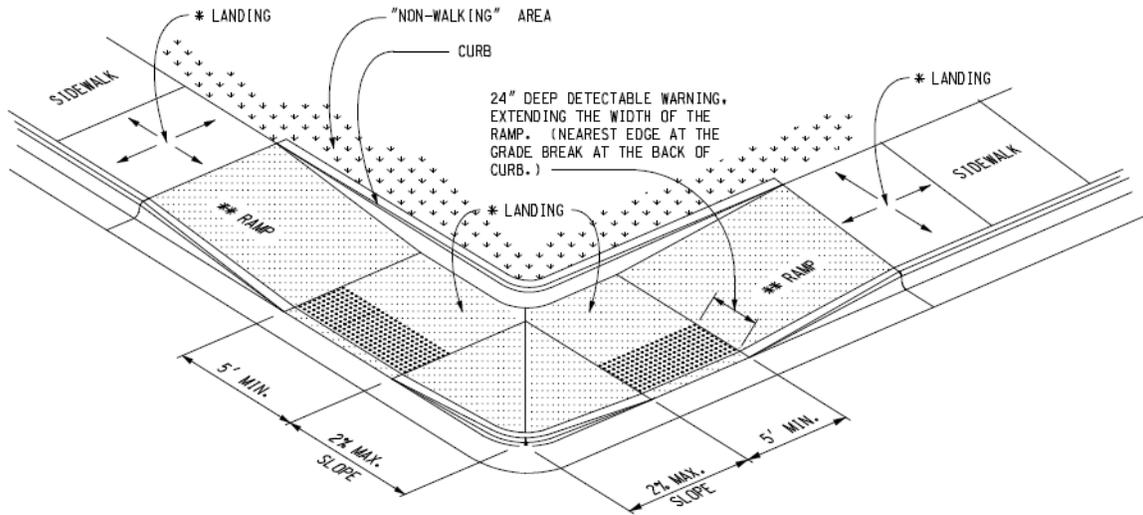
DIMENSIONS ARE TO BEGINNING OF CURB DROP.



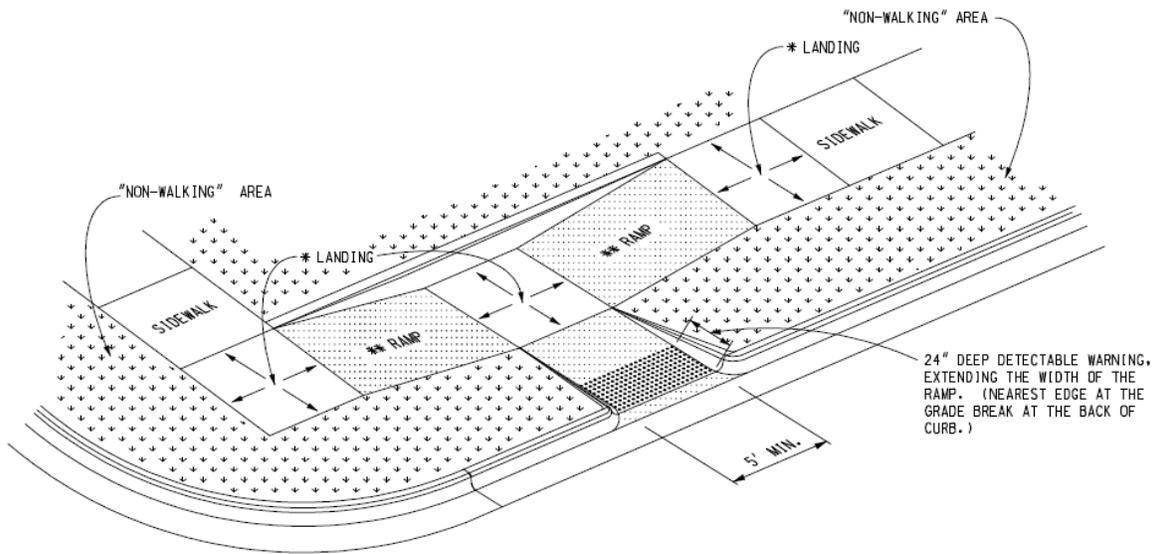
GRANULAR MATERIAL CLASS II (MDOT)(SAND)  
 4" THICK MIN. COMPACTED IN PLACE.

**DETAIL 28**

NO SCALE

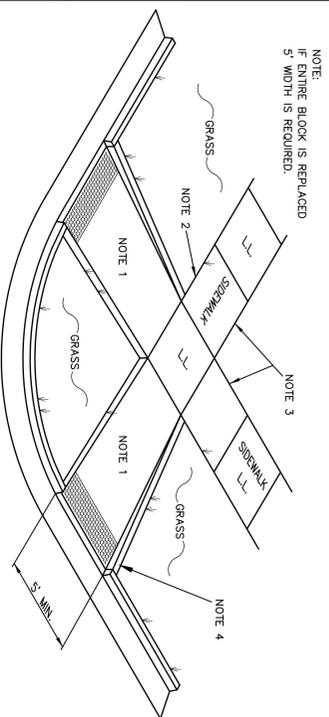
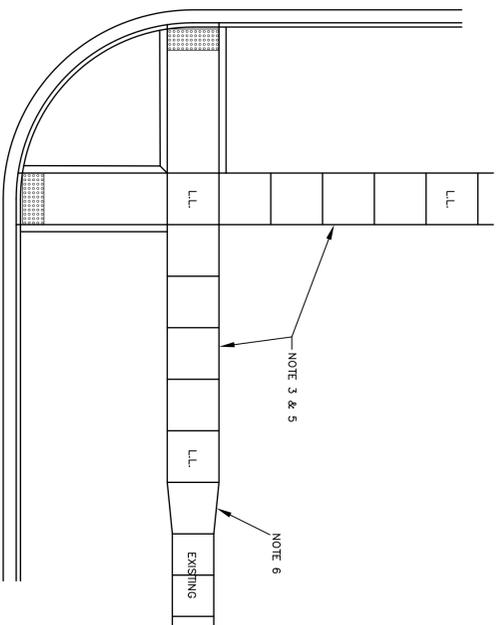


SIDEWALK CURB EXAMPLE #1

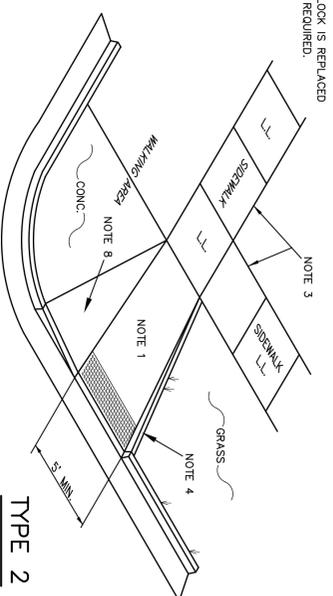


SIDEWALK CURB EXAMPLE #2

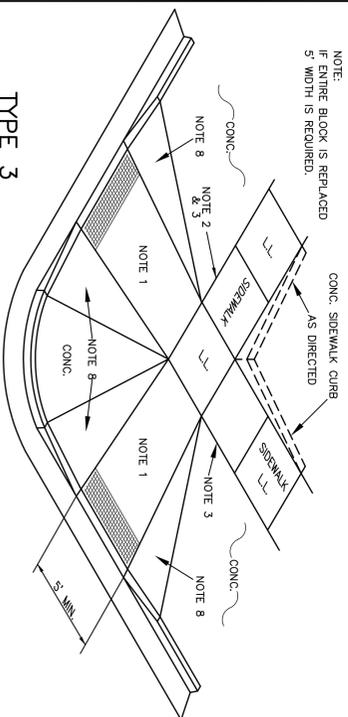
SIDEWALK RAMP, ADA, MODIFIED  
INCLUDING DETECTABLE WARNING DEVICES



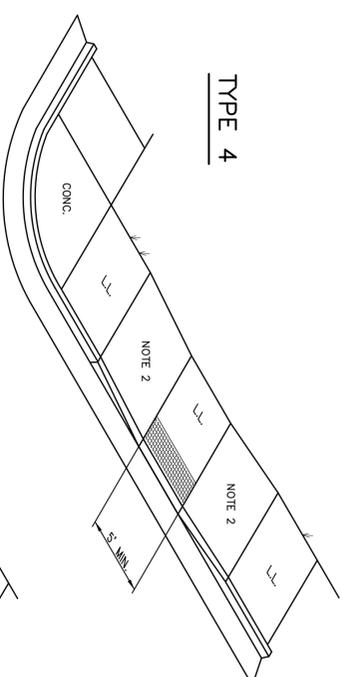
**TYPE 1**



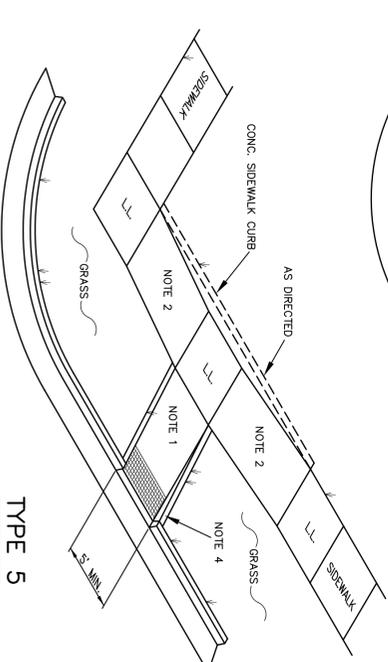
**TYPE 2**



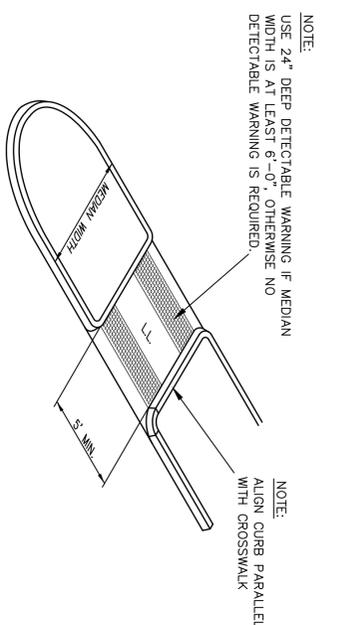
**TYPE 3**



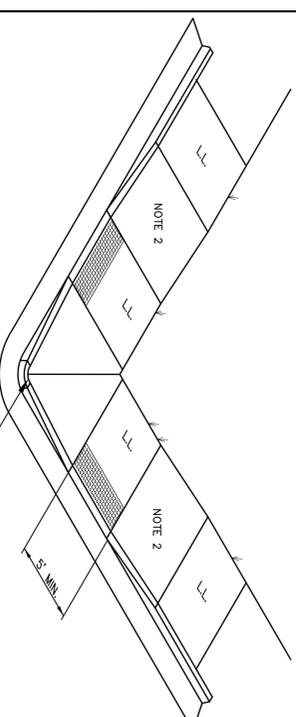
**TYPE 4**



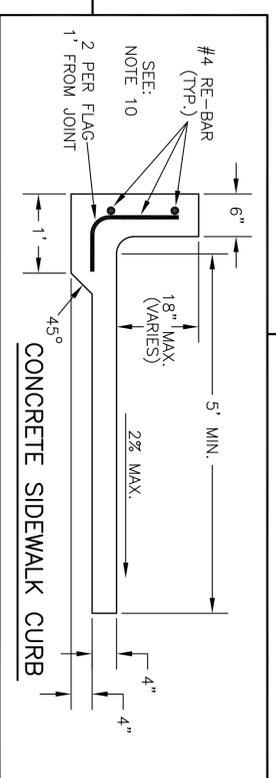
**TYPE 5**



**TYPE 6**



**TYPE 7**



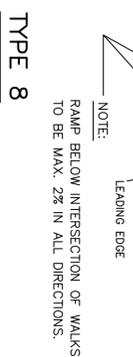
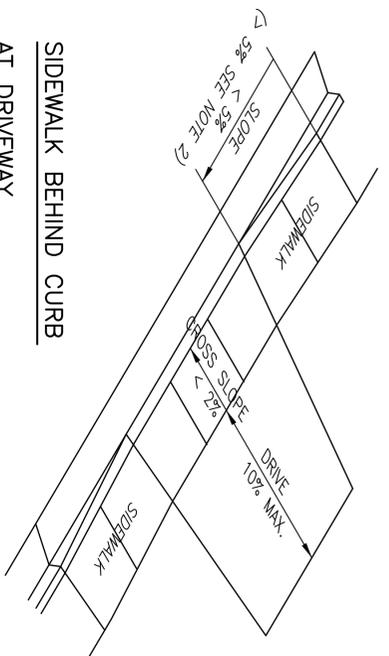
**CONCRETE SIDEWALK CURB**

**NOTES**

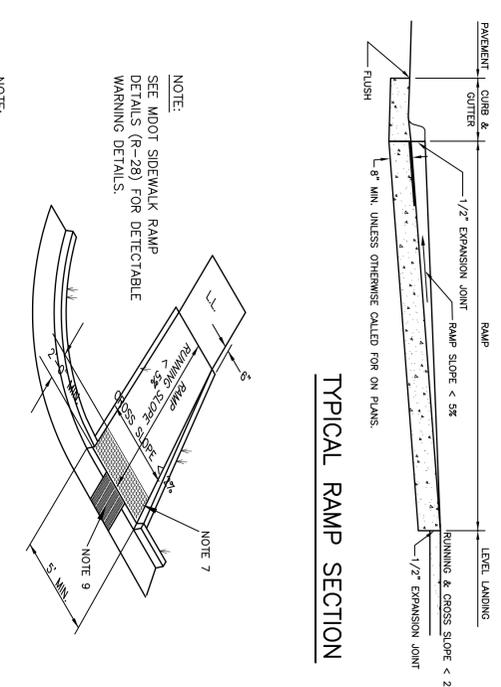
- 1) RAMPS: RUNNING SLOPE < 5% & > 2%. CROSS SLOPE < 2%.
- 2) IF RUNNING SLOPE > 5% A LEVEL LANDING (L.L.) IS NEEDED AT TOP AND BOTTOM. MAXIMUM PERMISSIBLE RUNNING SLOPE IS 8.33%.
- 3) EXTEND RAMP TO HERE IF NECESSARY TO STAY WITHIN SLOPE LIMITS. IF RUNNING SLOPE IS < 5%, NO LEVEL LANDING IS NEEDED ON TOP.
- 4) RAMP CURB TO BE INCLUDED IN THE COST OF SIDEWALK RAMP.
- 5) CAN USE EXISTING SIDEWALK AS PART OF THE RAMP WITH A MAXIMUM RUNNING SLOPE OF 1:12, MAXIMUM RAMP RISE OF 30", AND MAXIMUM CROSS SLOPE OF 2%.
- 6) AFTER L.L. IS ESTABLISHED REPLACE NEXT SIDEWALK PANEL, TO BLEND, WARP AND, OR TAPER TO EXISTING SIDEWALK, OR AS DIRECTED BY THE ENGINEER.
- 7) DETECTABLE WARNINGS SHALL EXTEND THE FULL WIDTH OF THE CURB RAMP THE NEAREST EDGE OF THE DETECTABLE WARNING IS TO BE FLUSH WITH THE BACK OF CURB AND WITHIN 4'-4" FROM THE LEADING EDGE.
- 8) FLARED SIDES WITH A SLOPE OF 10% MAXIMUM MEASURED ALONG THE CURB LINE SHALL BE PROVIDED WHERE A CIRCULATION PATH CROSSES THE SIDEWALK RAMP. FLARED SIDES ARE NOT REQUIRED WHERE THE EDGES OF A SIDEWALK RAMP ARE PROTECTED BY LANDSCAPING OR OTHER BARRIERS TO TRAVEL BY WHEELCHAIR USERS OR PEDESTRIANS ACROSS THE EDGE OF THE SIDEWALK RAMP.
- 9) CATCH BASIN CASTING IN THE PATH OF SIDEWALK RAMP. USE: E.J.I.W. CASTING AND GRATE: #5105-M3.
- 10) START INSTALLING #4 RE-BAR WHEN CONCRETE CURB IS 4" OR GREATER.

**TYPICAL NOTES:**

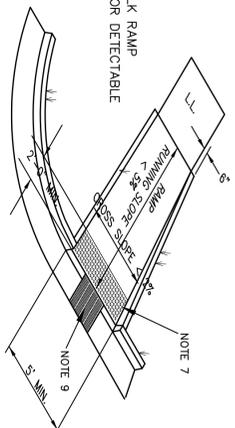
L.L. = LEVEL LANDING (5'x5' MINIMUM).  
 THE GOAL IS TO INSTALL A SECTION OF SIDEWALK FROM BACK OF CURB TO LEVEL LANDING WITH A RUNNING SLOPE < 5% AND CROSS SLOPE < 2%.  
 RAMPS WITH 1:16 TO 1:20 OR 5% MAX., RUNNING LENGTH IS 40'.  
 RAMPS WITH 1:12 TO 1:16 OR 8.33% MAX., RUNNING LENGTH IS 30'.  
 MAXIMUM LANDING SLOPE IN ANY DIRECTION IS 2% MINIMUM LANDING DIMENSIONS 5'x5'.  
 MAXIMUM CROSS SLOPE ON RAMP IS THE SAME AS THAT FOR SIDEWALK (2%).



**TYPE 8**



**TYPICAL RAMP SECTION**



**TYPICAL DETECTABLE WARNING**

**NOTE:**  
 DETECTABLE WARNING SURFACE SHALL BE AN ADA SOLUTIONS INC., MODEL: 2460REP (BRICK RED) OR APPROVED EQUAL.