

Partner Update

MITA

Doug Needham, P.E.

Michigan Infrastructure & Transportation Association
Vice President of Industry Relations



Work Zone Safety

- ❖ Industry group formed with a goal to increase safety in work zones.
- ❖ Recently met with MDOT/MSP/MIOSHA/Laborers – January 24, 2014
- ❖ Presented a summary of industry suggestions

Work Zone Safety

Police Presence –

Areas requiring Police presence

(automatic if any of following conditions are satisfied)

- ❖ High traffic volume
- ❖ During complete shut down of roadways/ramps
- ❖ During the initial operation that require traffic to deviate from their normal travel path including locations that require repetitive night closures with complete removal by morning

Work Zone Safety

Police Presence –

Areas requiring Police presence

(requires at least two of following conditions be satisfied)

- ❖ Work operation is transverse to the flow of traffic and grabber cones are utilized in lieu of drums (i.e. concrete patches, HMA joints, striping, crack sealing)
- ❖ Work zones that have a high number of access points (i.e. intersections, ramps, etc.)
- ❖ Nighttime flagging is required
- ❖ Areas of high crash history
- ❖ High crime areas
- ❖ Mobile operation

Work Zone Safety

Mobility

- ❖ Be receptive and allow for reasonable construction schedules
- ❖ Ensure work zones are sized to promote safe movement of motorists along with adequate space for construction operations
- ❖ Allow the following activities to take place during daylight hours (when appropriate)
 - ❖ Traffic shifts
 - ❖ Sign installations
 - ❖ Work in rural areas

Work Zone Safety

Education

- ❖ Public service message regarding proper traffic merging method in construction zones (i.e. zipper)
- ❖ Develop work zone section for driver's education

Work Zone Safety

Miscellaneous

- ❖ Motorists have become complacent and require new methods for ensuring attention while in work zones
- ❖ Limit the use of grabber cones to those activities listed in the current MDOT policy for traffic control devices.
- ❖ Eliminate the “45 where workers present” and require a constant speed in work zones
- ❖ Investigate the use of automated flagger stations

Work Zone Safety

Miscellaneous

- ❖ Bring back speed zone trailers with alert light
 - ❖ Place in areas that are not protected with a barrier wall
 - ❖ Require in areas with posted speeds equal to and over 55 mph
- ❖ Change message from “Work Zone” to “Safety Zone”
- ❖ Identify hot zones (areas with workers present)
 - ❖ Temporary rubber rumble strips
 - ❖ Flashing lights adjacent to workers
 - ❖ Different signs implemented in active areas
- ❖ Utilize radar trailers in various areas to enhance the impact of increased patrols in work zones

Pipe Installation Workshop

- ❖ Pipe Installation Workshop - February 20, 2014
- ❖ Ultimate goal of formulating an installation inspection guidance document that can be referenced by inspectors and contractors.
- ❖ Various pipe fabricators (concrete, plastic, and metal) provide an overview of their desired installation methods, situations and conditions that warrant corrective action, along with common misconceptions regarding their product that are expressed by inspectors/owner agencies.
- ❖ CRAM is invited to be an active participant at the workshop.

GUIDE

(Geospatial Utility Infrastructure Data Exchange)

- ❖ As a result of the efforts of the Michigan Utility Coordination Committee, MDOT will pilot utility geospatial data collection during the 2014 construction season.
- ❖ AT&T, Consumers Energy and DTE, will capture and present location identification information for permitted underground facility installations placed within the MDOT right-of-way.

GUIDE

(Geospatial Utility Infrastructure Data Exchange)

Information to be collected include but not limited to the following:

- Transmission/distribution main lines
 - Starting and ending points
 - Every 100 feet with the following additional points:
 - Deviation(s) in installation alignment (horizontal and vertical)
 - Changes in facility characteristics (e.g. change in size, material, or number of pair)
 - Start and end points for vaults
- Appurtenances installed concurrently with new main installations
 - Tap-in at main and ROW line points

GUIDE

(Geospatial Utility Infrastructure Data Exchange)

Information to be collected include but not limited to the following:

- New appurtenances from existing mains
 - Tap-in at main and ROW line points for:
 - Gas - 2 inches and greater
 - Telephone - Fiber or copper cables 25 pair and greater
 - Electric - Secondary and higher voltage lines

Public Act 174





1-800-482-7171

Contact MISS DIG

Calendar

Home

About Us

Events & Education

Members

Excavators

Homeowners

MISS DIG UNDERGROUND FACILITY DAMAGE PREVENTION AND SAFETY ACT

ACT 174 OF 2013 (Effective Date April 1, 2014)

Public Act 174 [PDF](#)

Signing of PA 174 by the [Governor](#)

PA 174 Overview [Power Point](#)

PA 174 Overview [Zip File](#)

PA 174 Quick Reference [Guide](#)



*Please allow for 3 full working days before you dig – call the **MISS DIG System** at 811 or 800-482-7171.*

MISS DIG will send your work request to member facility owners who will mark the approximate location of their underground utility lines at no charge.

<http://missdig.info/index.php/education-events/public-174>

Public Act 174

Excavation

Utility Owners & Operators

Penalties & Enforcement

Public Act 174....

Excavation

Contact MISS DIG 3-14 days in advance of excavation.

Ticket valid for 21 days (180 day available)

“Excavation” means moving, removing, or otherwise displacing earth, rock, or other material below existing surface grade with power tools or power equipment, including, but not limited to, grading, trenching, tiling, digging, drilling, boring, augering, tunneling, scraping, cable or pipe plowing, and pile driving; and wrecking, razing, rending, moving, or removing a structure or mass of materials.

Some exceptions.....

Public Act 174....

Excavation

Replacing a fence post, sign post, or guardrail in its existing location.

Any excavation performed at a grave site in a cemetery.

Any excavation performed within a landfill.

Routine road maintenance or preventive maintenance (12in)

“Normal” farming activity**

Routine railroad maintenance activity **

Public Act 174....

Excavation

Check Positive Response

Newtin - A (Auburn Hills, MI)

Ticket Response Inquiry

Ticket responses retrieved through this program are provided by participating utility owners and/or their authorized agents. MISS DIG System, Inc. assumes no liability for the provided response.

Please enter your nine digit ticket number which will start with an A or B

Information for ticket A033350043

Work Date	County	Place	Street Address
12/05/13 07:00:00	OAKLAND	COMMERCE /T	3159 BELLE TERRE

Scope of Work

STK ENTIRE LOT USE FLAGS & PAINT FOR STKG

Responses for ticket A033350043

Member	Name	Response	Description
ATTD	AT&T	001	CLEAR
CEGDIS	CONSUMERS ENERGY GAS DISTRIBUTION	001	CLEAR
COMI29	COMCAST	002	MARKED
COMIWP	COMMERCE TOWNSHIP		Utility Owner Has Not Provided a Response
DE0010	DETROIT EDISON	002	MARKED
OAKCDR	OAKLAND COUNTY DRAIN COMMISSIONER		Utility Owner Has Not Provided a Response
OAKCR2	OAKLAND COUNTY ROAD COMMISSION		Utility Owner Has Not Provided a Response
OAKCRC	OAKLAND COUNTY ROAD COMMISSION		Utility Owner Has Not Provided a Response
VER205	FRONTIER/VERIZON	002	MARKED

Public Act 174.....

Excavation

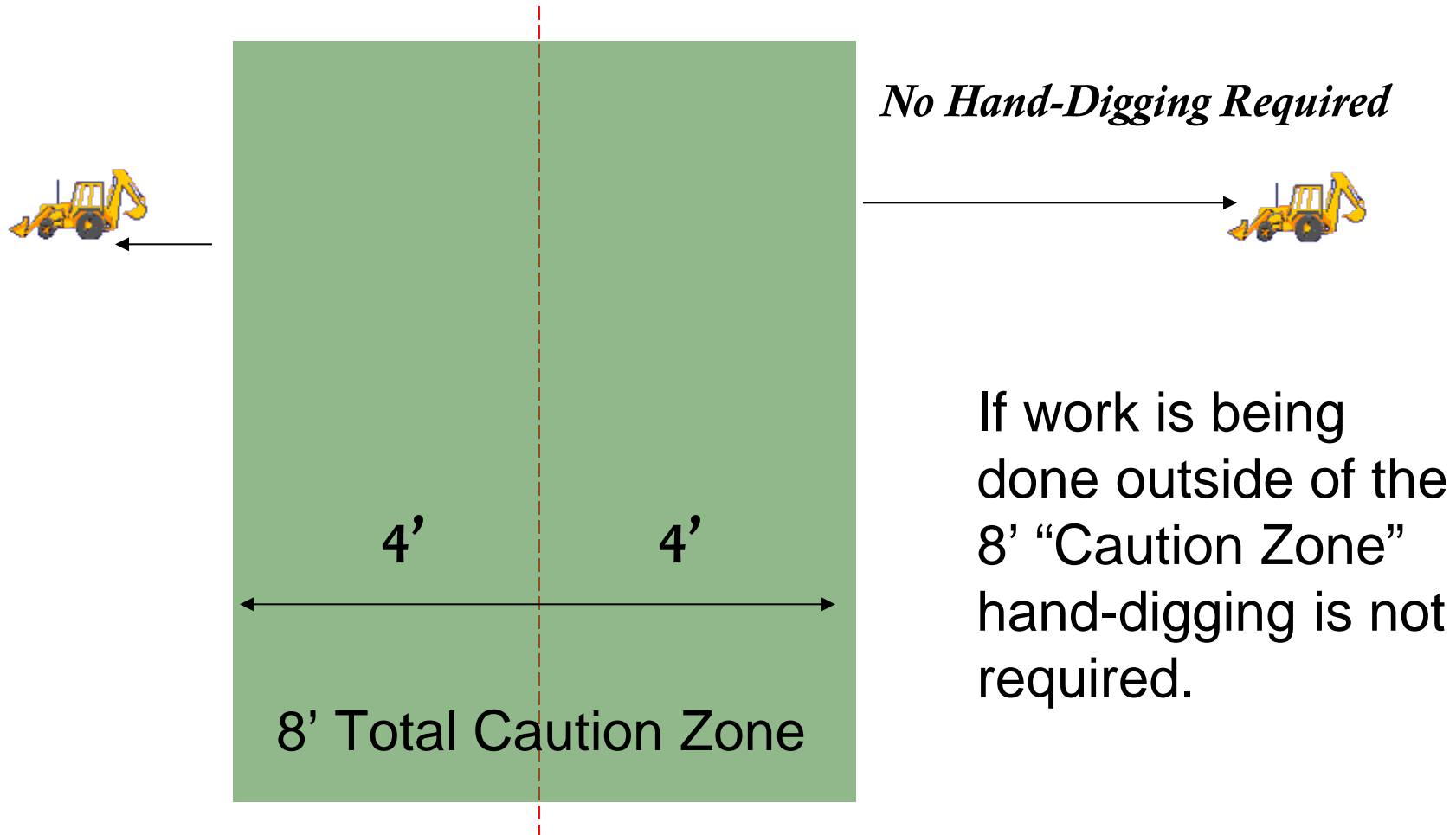


Section 5.9

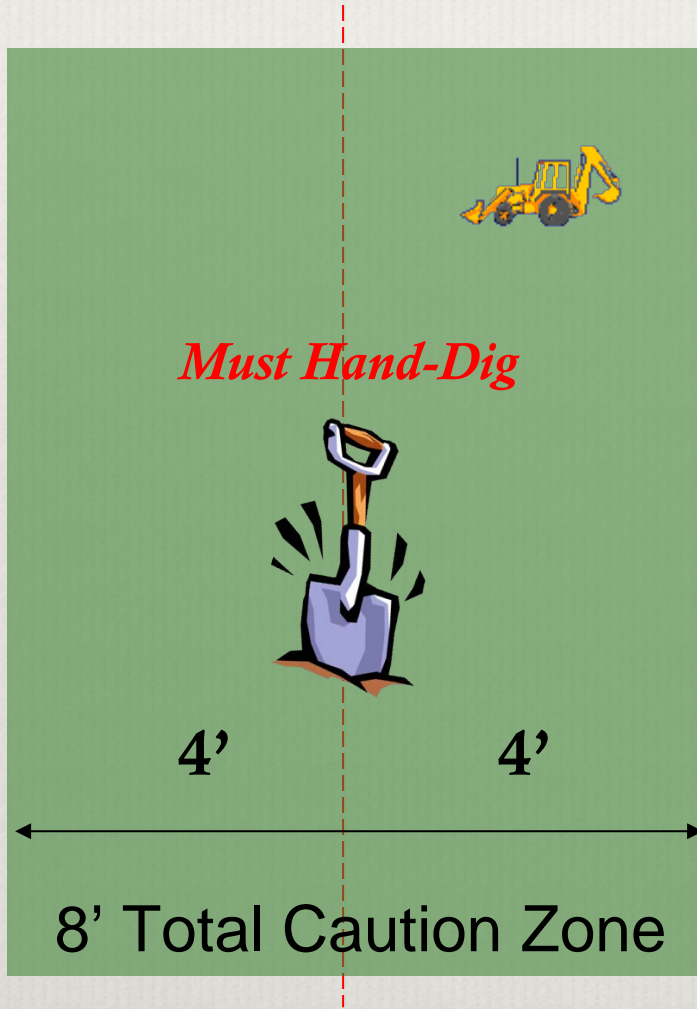
An excavator shall provide immediate additional notice to the notification system and stop excavation in the immediate vicinity if the excavator has reason to suspect the presence of an unmarked facility due to any one of the following:

- (a) Visible evidence of a facility with no marks visible.
- (b) Lack of a positive response to a ticket.
- (c) A positive response from a facility owner or facility operator indicating the presence of a facility with no marks visible.

PUBLIC ACT 174.... EXCAVATION



PUBLIC ACT 174.... EXCAVATION



If work is being done inside of the 8' "Caution Zone" hand-digging is required.

Section 5.8

An excavator shall provide notification to the notification system requesting additional assistance if the location of a marked facility within the approximate location cannot be determined.

PUBLIC ACT 174.... EXCAVATION



PUBLIC ACT 174.... EXCAVATION

Sec 5.11

If an excavator contacts or damages a facility, the excavator shall provide immediate notice to the facility owner or facility operator.

Sec. 11.1

A person who engages in any of the following conduct is guilty of a misdemeanor punishable by imprisonment for not more than 1 year or a fine of not more than \$5,000.00, or both:

- (a) Knowingly damages an underground facility and fails to promptly notify the facility owner or facility operator.
- (b) Knowingly damages an underground facility and backfills the excavation or otherwise acts to conceal the damage.
- (c) Willfully removes or otherwise destroys stakes or other physical markings used to mark the approximate location of underground facilities unless that removal or destruction occurs after the excavation or blasting is completed or as an expected consequence of the excavation or blasting activity.

Sec 5.12

If an excavator damages a facility resulting in the escape of any flammable, toxic, or corrosive gas or liquid, or endangering life, health, or property, the excavator shall call 9-1-1 and provide immediate notice to the facility owner or facility operator. The excavator shall also take reasonable measures to protect the excavator, those in immediate danger, the general public, and the environment until the facility owner or facility operator, or emergency first responders, have arrived and taken control of the site.

PUBLIC ACT 174

Natural Gas & Oil Electric Communications & Cable TV Water Drain & Sewer Reclaimed Water, Irrigation & Slurry Survey

Proposed Excavation



PUBLIC ACT 174.... FACILITY OWNERS

Must Be Members of MISS DIG



Section 4.4

Facility owners and facility operators shall be members of and participate in the notification system and pay the fees levied by the notification system under this section. This obligation and the requirements of this act for facility owners and facility operators do not apply to persons owning or operating a facility located on real property the person owns or occupies if the facility is operated solely for the benefit of that person.



PUBLIC ACT 174.... FACILITY OWNERS

Post to Positive Response

Participate in Design Ticket

Mark Ticket by Dig Start Date

PUBLIC ACT 174.... FACILITY OWNERS

Response Guidelines

3 Days (72 Hours)

Standard MISS DIG Ticket

3 Hours

Emergency – 3(k), 7.7

Additional Assistance - 3(a), 7.5

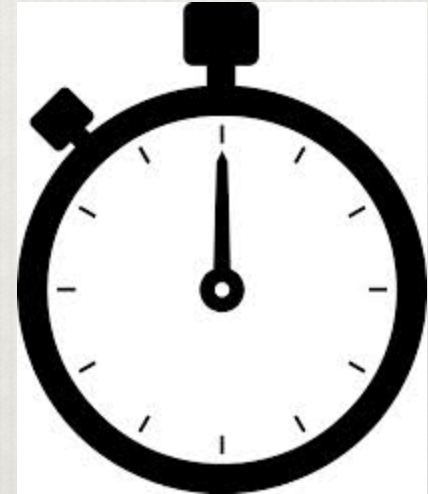
Lines not marked - 7.5

Positive Response error - 7.5

24 Hours

“Re-stake” - 7.4

(Site marked, but marks destroyed)



PUBLIC ACT 174.... FACILITY OWNERS

Section 7.8

New facilities built after the effective date of this act shall be constructed in a manner that allows their detection when in use.



PUBLIC ACT 174

Penalties & Enforcement



<http://www.michigan.gov/mpsc>

PUBLIC ACT 174.... ENFORCEMENT

Excavation Performed by Municipalities

First Violation - up to \$5k

Second Violation – up to \$10k plus training

Third Violation – up to \$15k plus cost of repair