



RECEIVED

Transmittal

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JUL 18 2019  
WI DNR - GREEN BAY

To: Tauren Beggs  
Company: Wisconsin Department of Natural Resources Remediation and Redevelopment Program  
Address: 2984 Shawano Ave  
Phone: Green Bay, WI 54313  
Date: July 15, 2019  
File: 1512 Washington St; Manitowoc  
Delivery: Regular Mail  
From: Harris Byers  
 For Your Information  
 For Your Approval  
 For Your Review  
 For Your File  
Confirmation of receipt: \_\_\_\_\_  
(signature)

Reference: 1512 Washington St; Manitowoc Wisconsin (BRRTS: 02-36-545108)

Attachment:

Copies	Doc Date	Pages	Description
1	6/28/19	NA	Replacement of Plastic Sheeting

Enclosed is a hard copy of the letter documenting replacement of the plastic sheeting at 1512 Washington Street in Manitowoc, Wisconsin.

Thanks!

Stantec

Harris Byers  
Sr. Brownfields Project Manager  
Phone: 414-581-6476  
Harris.Byers@stantec.com

Design with community in mind



Stantec Consulting Services Inc.  
12075 Corporate Parkway Suite 200, Mequon WI 53092-2649

June 28, 2019  
File: 193702757

**Attention: April Kroner, AICP**  
Community Development Director  
City of Manitowoc  
900 Quay Street  
Manitowoc, WI 54220-4543

Dear Ms. Kroner,

**Reference: Replacement of Plastic Sheeting Over Two PCB Release Areas**  
**1512 Washington Street**  
**Manitowoc, Wisconsin**  
**WDNR BRRTS #02-36-545108 (Open)**  
**Stantec Project No. 193702757**

Stantec Consulting Services Inc. (Stantec) has prepared this letter report documenting the replacement of the temporary plastic sheeting covering soil at two polychlorinated biphenyl (PCB) release areas at the former Mirro facility located at 1512 Washington Street in Manitowoc (herein referred to as the Property). The location of the Property is illustrated on Figure 1.

As noted in the Stantec (2018) *PCB Removal and Cleanup Documentation Report* and illustrated on Figure 2 and Figure 3, PCB-impacted concrete was removed in 2017 from two PCB-release areas (referred to as the "Loading Dock" as illustrated on Figure 2 and "Area 8" as illustrated on Figure 3). Following concrete removal, a temporary cover consisting of impervious 12-millimeter polyethylene sheeting secured with 3/4-inch plywood sheeting was installed over exposed soil in both release areas.

As the installed plastic had begun to weather, Cabeno Environmental Field Services, LLC removed the plywood sheeting, placed new ultra-violet (UV) resistant plastic sheeting over the weathered sheeting, and secured the new sheeting with the existing plywood. Photographic documentation is provided in Attachment A.

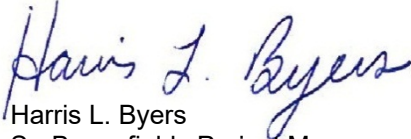
Stantec is in the process of completing the Site Investigation per the requirements of ch. NR 716 of the Wisconsin Administrative Code. Once the investigation is complete and financial resources secured, residual PCB impacts to soil will likely require removal during a future supplemental removal and cleanup action. Until a permanent solution is implemented, the City must maintain the temporary cover installed over the PCB-impacted soil. The tall chain-link fence and PCB-signage should be maintained around the perimeter of the Property and PCB release areas, and personnel from the City police department should continue patrols of the Site on a routine basis to prevent trespassing.

**Reference:** Replacement of Plastic Sheeting Over Two PCB Release Areas  
1512 Washington Street  
Manitowoc, Wisconsin  
WDNR BRRTS #02-36-545108 (Open)  
Stantec Project No. 193702757

We recommend a copy of this report be provided to WDNR and USEPA as documentation of recent maintenance activities. We trust this information meets your needs

Regards,

**STANTEC CONSULTING SERVICES INC.**



Harris L. Byers  
Sr. Brownfields Project Manager  
Phone: 414-581-6476  
[Harris.Byers@stantec.com](mailto:Harris.Byers@stantec.com)

**STANTEC CONSULTING SERVICES INC.**



Hiedi A. Waller, P.E.  
Environmental Engineer

**STANTEC CONSULTING SERVICES INC.**



Richard J. Binder, P.G., CPG  
QA/QC Manager

Enclosures:

Figures  
Attachments A – Photographic Documentation

Cc: Mr. Peter Ramanauskas and Mr. James Van Der Kloot; USEPA Region 5  
Mr. Tauren Beggs; WDNR

**LIMITATIONS**

Replacement of the temporary plastic cover was performed in accordance with generally accepted practices of the profession for performing similar activities at the same time and in the same geographical area. Stantec observed that degree of care and skill generally exercised by the profession under similar circumstances and conditions. No other warranty is expressed or implied. Stantec's observations, findings, and opinions must not be considered as scientific certainties, but only an opinion based on our professional judgment concerning the significance of the data gathered during this work.

# FIGURES

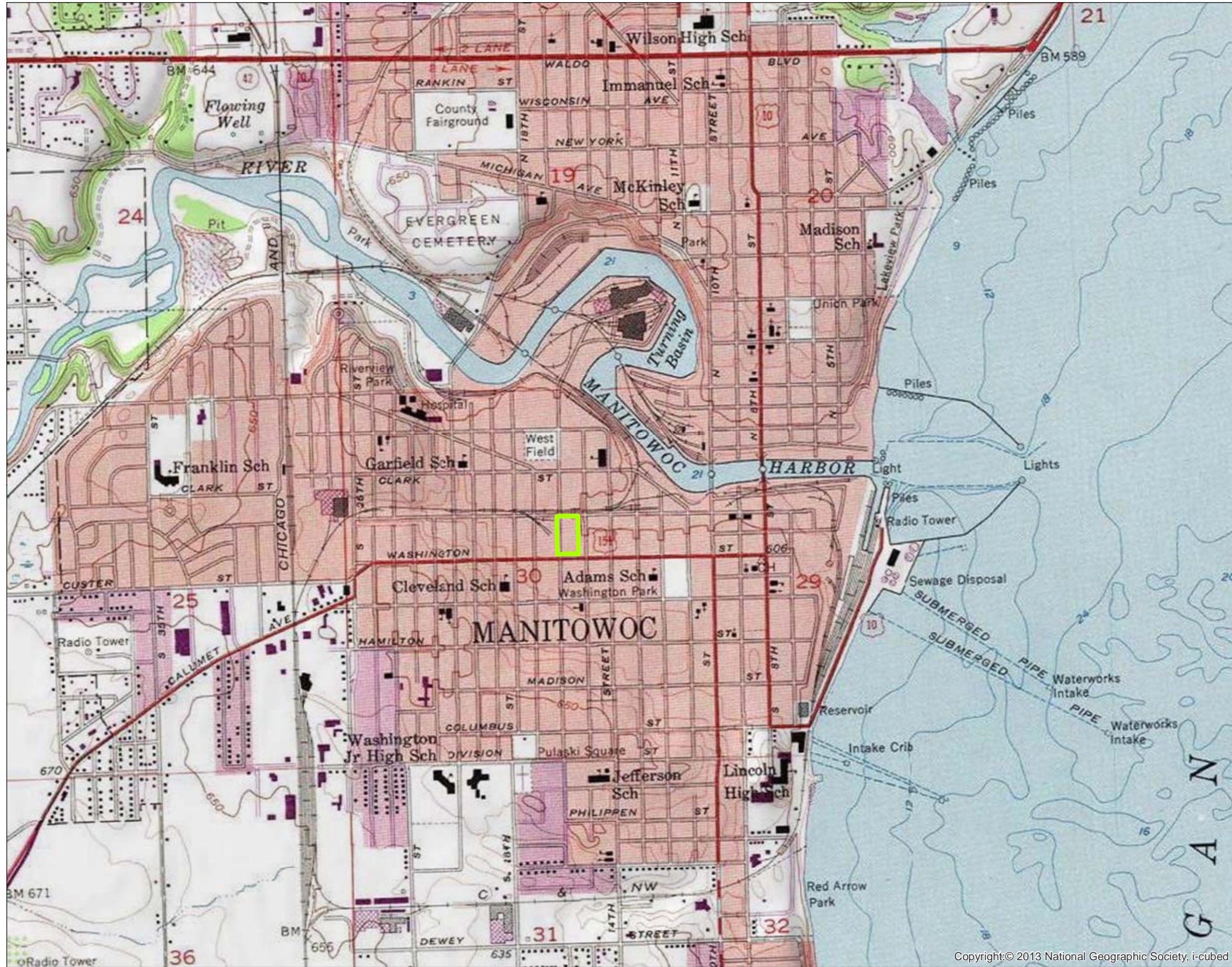


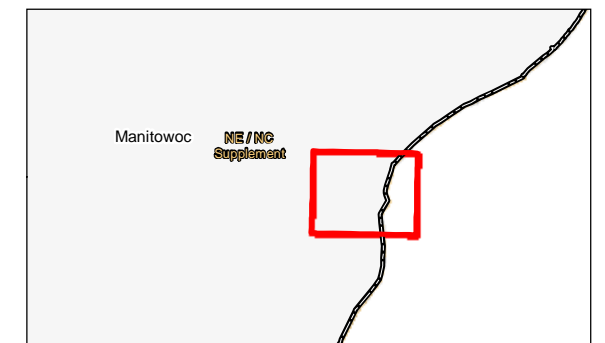
Figure No. 1  
 Title **Figure 1**  
**Site Location and Local Topography**

Client/Project  
 City of Manitowoc  
 PCB Removal and Cleanup  
 1512 Washington Street

0 1,050 2,100 Feet

193703931  
 Prepared by HLB on 5-24-16

Legend  
 Target Site



Notes  
 1. Coordinate System: NAD 1983 StatePlane Wisconsin South FIPS 4803 Feet  
 2. Data Sources Include:  
 Topo Map: USGS/National Geographic Society



Copyright © 2013 National Geographic Society, i-cubed

G:\Data\Manitowoc\MapX\1512 Washington\01.mxd - Revised: 2016-05-25 By: bby

R:\GIS\client\Manitowoc\MO\1512\WashRegion\17.mxd - Revised: 2017-01-17 By: bbyers

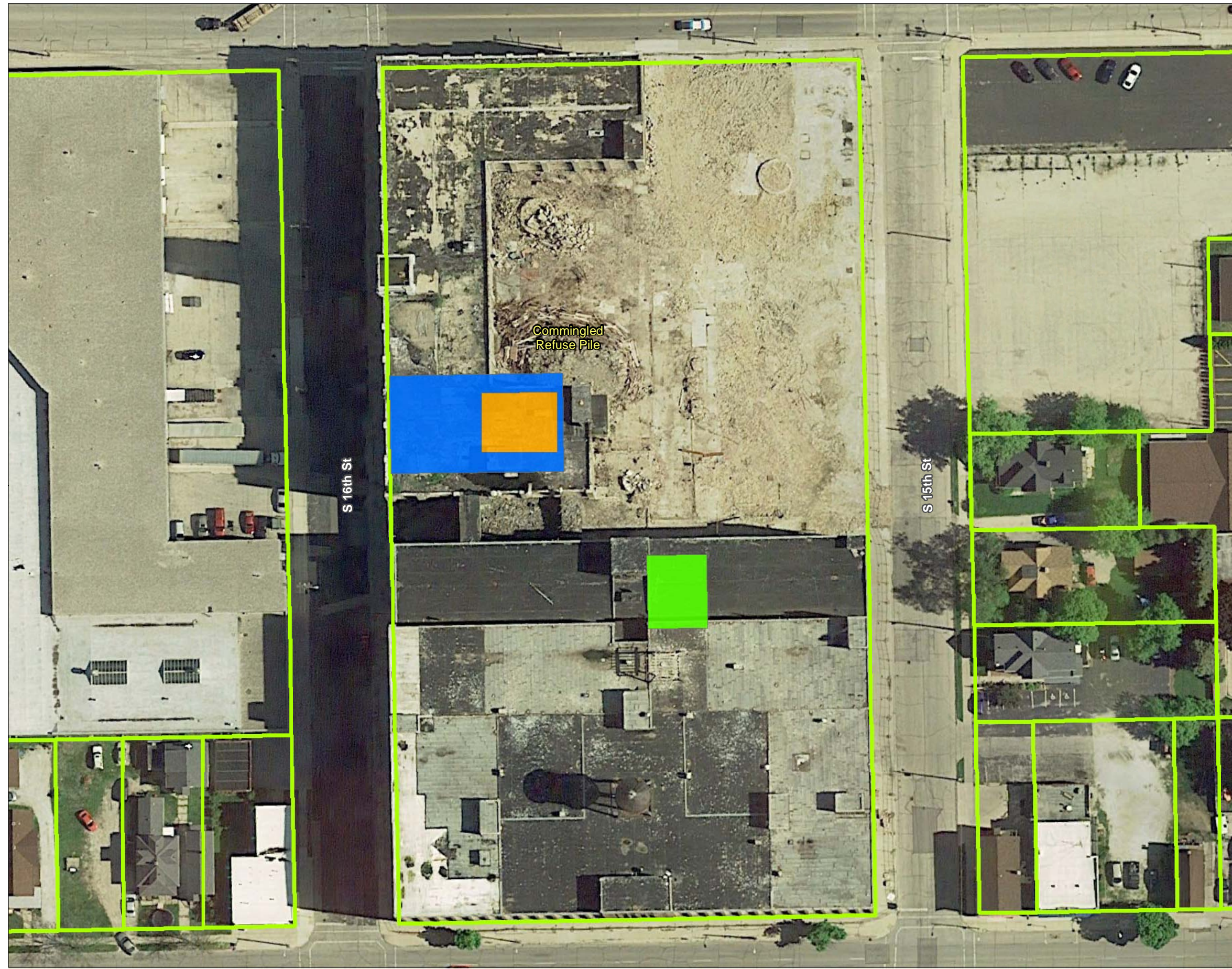


Figure No.  
**2**

Title  
**Figure 2. PCB Focus Areas**

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Client/Project  
City of Manitowoc  
PCB Removal and Cleanup  
1512 Washington Street

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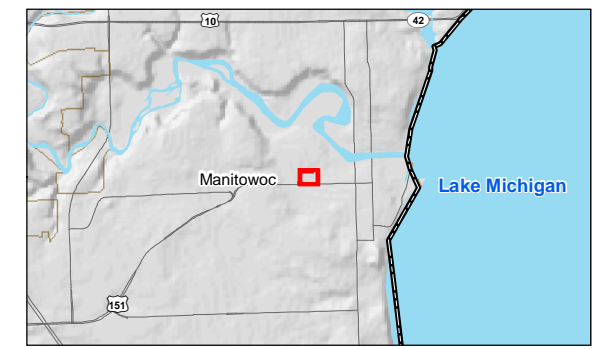
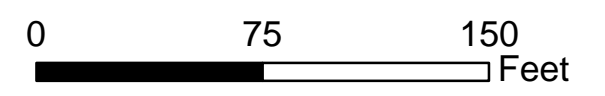
Project Location  
T19N, R24E, S30  
C. of Manitowoc,  
Manitowoc Co., WI

193703931  
Prepared by HLB on 2016-12-20

**Legend**

**PCB Areas**

- Area 14 (2nd Floor)
- Area 8 (Ground Floor)
- Loading Dock (Ground Floor)



**Notes**

Coordinate System: NAD 1983 StatePlane Wisconsin South FIPS 4803

1. Feet
2. Data Sources Include: Stantec, NADS



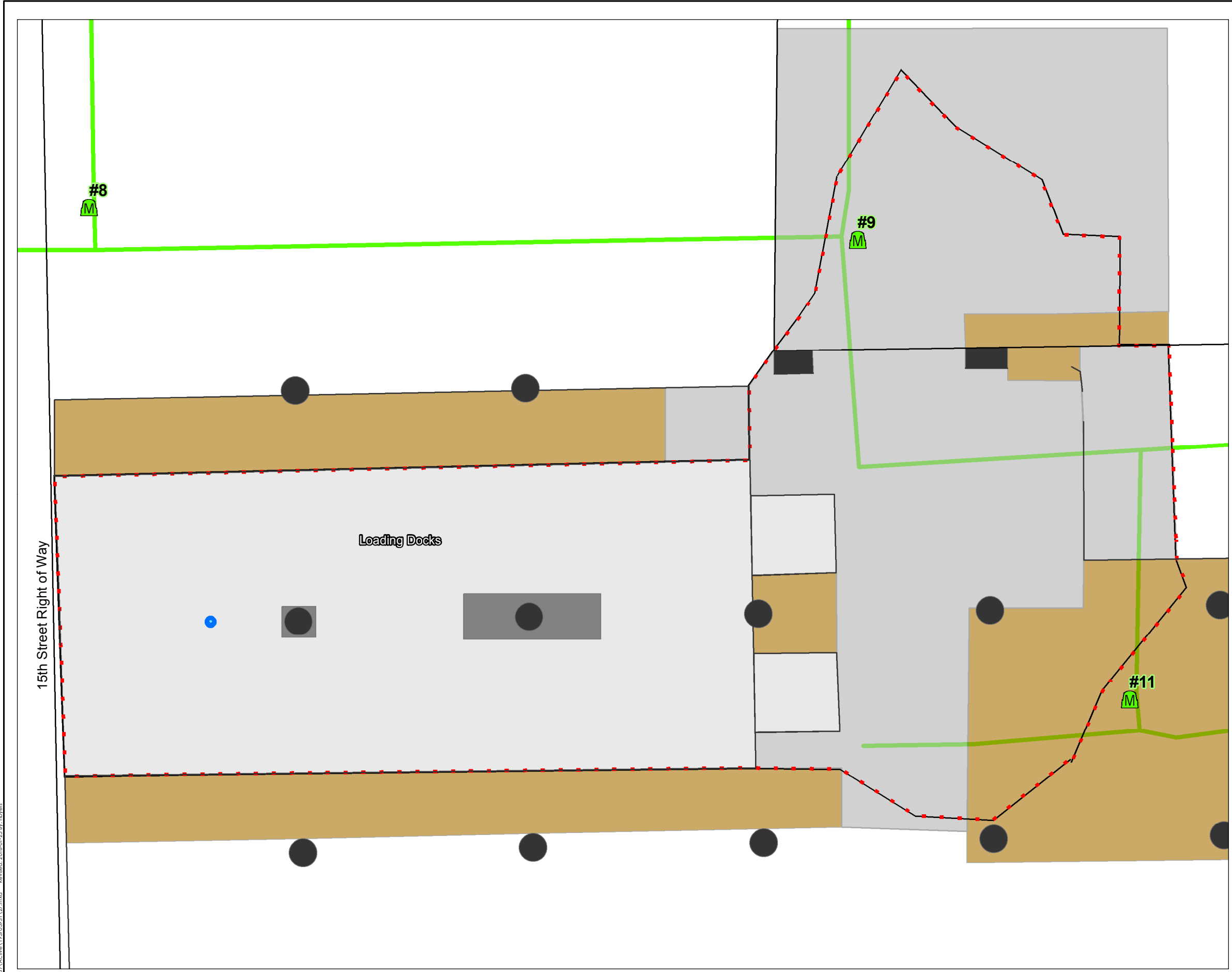


Figure No. **3**  
 Title **Figure 3. Concrete Removal Area in the Loading Dock Area**  
 Client/Project  
 City of Manitowoc  
 PCB Removal and Cleanup  
 1512 Washington Street  
 Project Location  
 T19N, R24E, S30  
 C. of Manitowoc,  
 Manitowoc Co., WI  
 193703931  
 Prepared by HLB on 2018-1-25

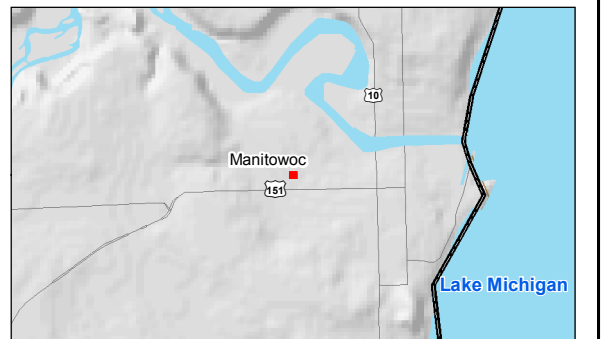
**Legend**

- Former Exterior Building Wall
- - - Removed Concrete
- M Tunnel Entrance
- Tunnel
- Former Catch Basin
- Former Concrete Column
- Former Concrete Footing
- Former Loading Dock

Flooring Type

- Wood Flooring
- Concrete

0 10 20 Feet



- Notes**
- Coordinate System: NAD 1983 StatePlane Wisconsin South FIPS 4803 Feet
  - Data Sources Include: Stantec, NADS
  - Previous Soil Borings digitized from drawings provided in
  - Symbiont (2016); AES (2011); and AECOM (2009)



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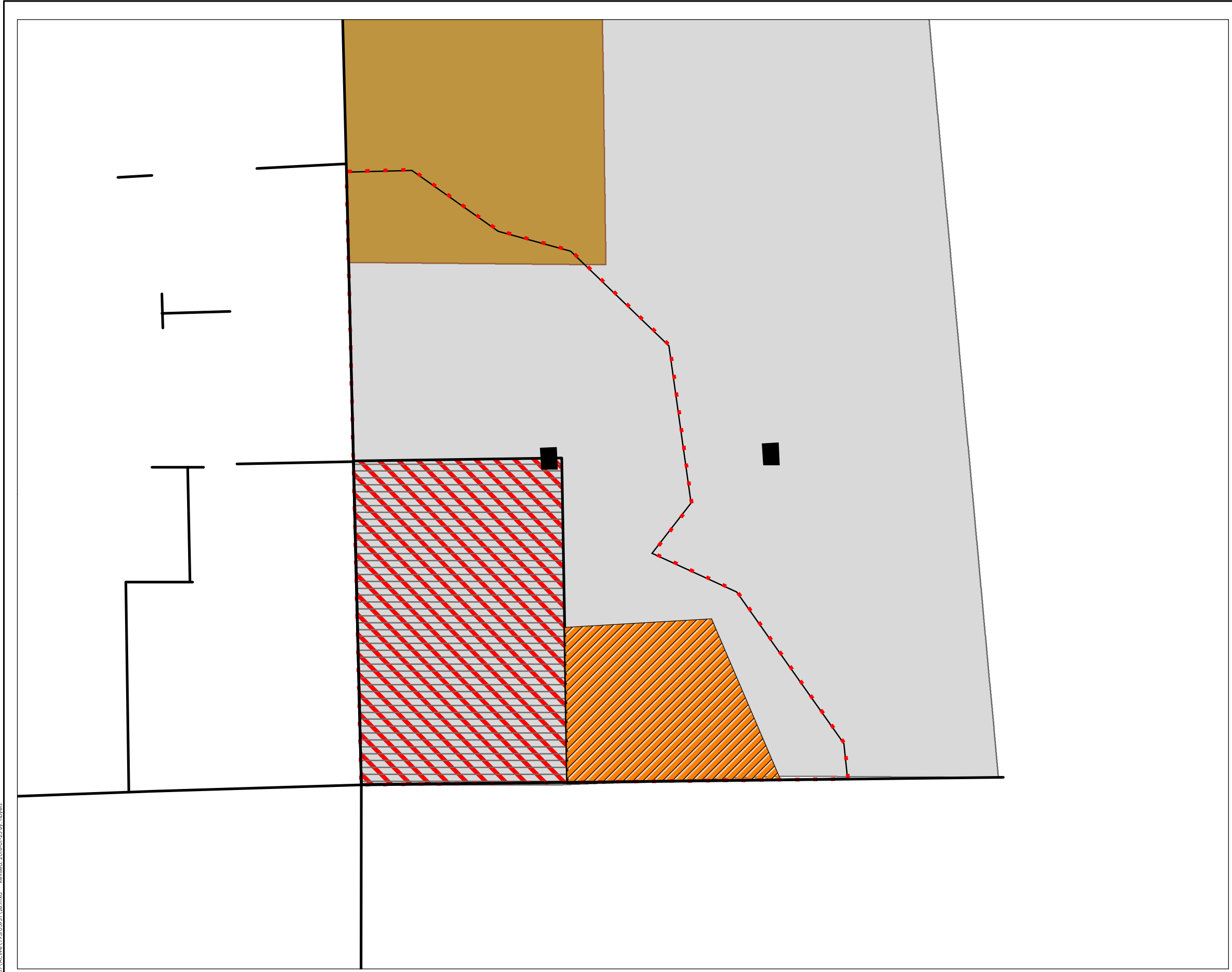


Figure No.  
**4**  
 Title  
**Figure 4. Concrete Removal Area in Area 8**  
 Client/Project  
 City of Manitowoc  
 PCB Removal and Cleanup  
 1512 Washington Street  
 Project Location  
 T19N, R24E, S30  
 C. of Manitowoc,  
 Manitowoc Co., WI  
 193703931  
 Prepared by HLB on 2018-1-25

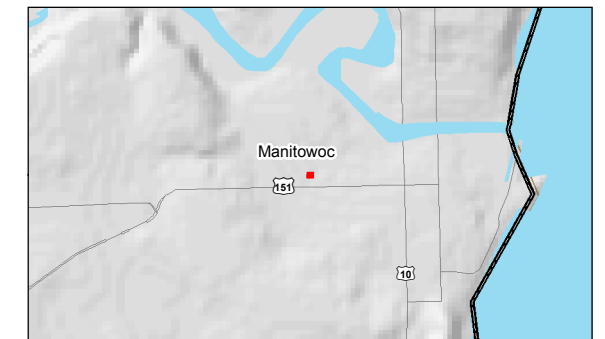
**Legend**

- Former Interior Wall
- - - Removed Concrete
- ▨ Former Debris Pile
- Former I-Column
- ▧ Former Transformer Slab

Flooring Type

- Concrete
- Wood

0 5 10 Feet



- Notes**
1. Coordinate System: NAD 1983 StatePlane Wisconsin South FIPS 4803 Feet
  2. Data Sources Include: Stantec, NADS
  3. Orthophotography: 2015 NAIP




V:\193703931\193703931\_26.mxd  
 Revised: 2018-01-26 By: hbyers





# **ATTACHMENT A**

## Photographic Documentation

<b>Client:</b>	<b>City of Manitowoc</b>	<b>Project:</b>	<b>193702757</b>
<b>Site Name:</b>	<b>Former Mirro Facility</b>	<b>Site Location:</b>	<b>1512 Washington Street</b>

<b>Photograph ID: 1</b>	
<b>Photo Location:</b> Loading Dock	
<b>Direction:</b> East	
<b>Survey Date:</b> 7/2/2019	
<b>Comments:</b>	

<b>Photograph ID: 2</b>	
<b>Photo Location:</b> Loading Dock	
<b>Direction:</b> East	
<b>Survey Date:</b> 7/2/2019	
<b>Comments:</b>	

<b>Client:</b>	City of Manitowoc	<b>Project:</b>	193702757
<b>Site Name:</b>	Former Mirro Facility	<b>Site Location:</b>	1512 Washington Street
<b>Photograph ID:</b> 3			
<b>Photo Location:</b> Area 8			
<b>Direction:</b> Southwest			
<b>Survey Date:</b> 7/2/2019			
<b>Comments:</b>			
<b>Photograph ID:</b> 4			
<b>Photo Location:</b> Area 8			
<b>Direction:</b> Southeast			
<b>Survey Date:</b> 7/2/2019			
<b>Comments:</b>			

<b>Client:</b>	<b>City of Manitowoc</b>	<b>Project:</b>	<b>193702757</b>
<b>Site Name:</b>	<b>Former Mirro Facility</b>	<b>Site Location:</b>	<b>1512 Washington Street</b>
<b>Photograph ID: 5</b>			
<b>Photo Location:</b> Area 8			
<b>Direction:</b> West			
<b>Survey Date:</b> 7/2/2019			
<b>Comments:</b>			
<b>Photograph ID: 6</b>			
<b>Photo Location:</b> Loading Dock			
<b>Direction:</b> West			
<b>Survey Date:</b> 7/2/2019			
<b>Comments:</b>			

<b>Client:</b>	<b>City of Manitowoc</b>	<b>Project:</b>	<b>193702757</b>
<b>Site Name:</b>	<b>Former Mirro Facility</b>	<b>Site Location:</b>	<b>1512 Washington Street</b>
<b>Photograph ID:</b> 7			
<b>Photo Location:</b> Loading Dock			
<b>Direction:</b> Northwest			
<b>Survey Date:</b> 7/2/2019			
<b>Comments:</b>			