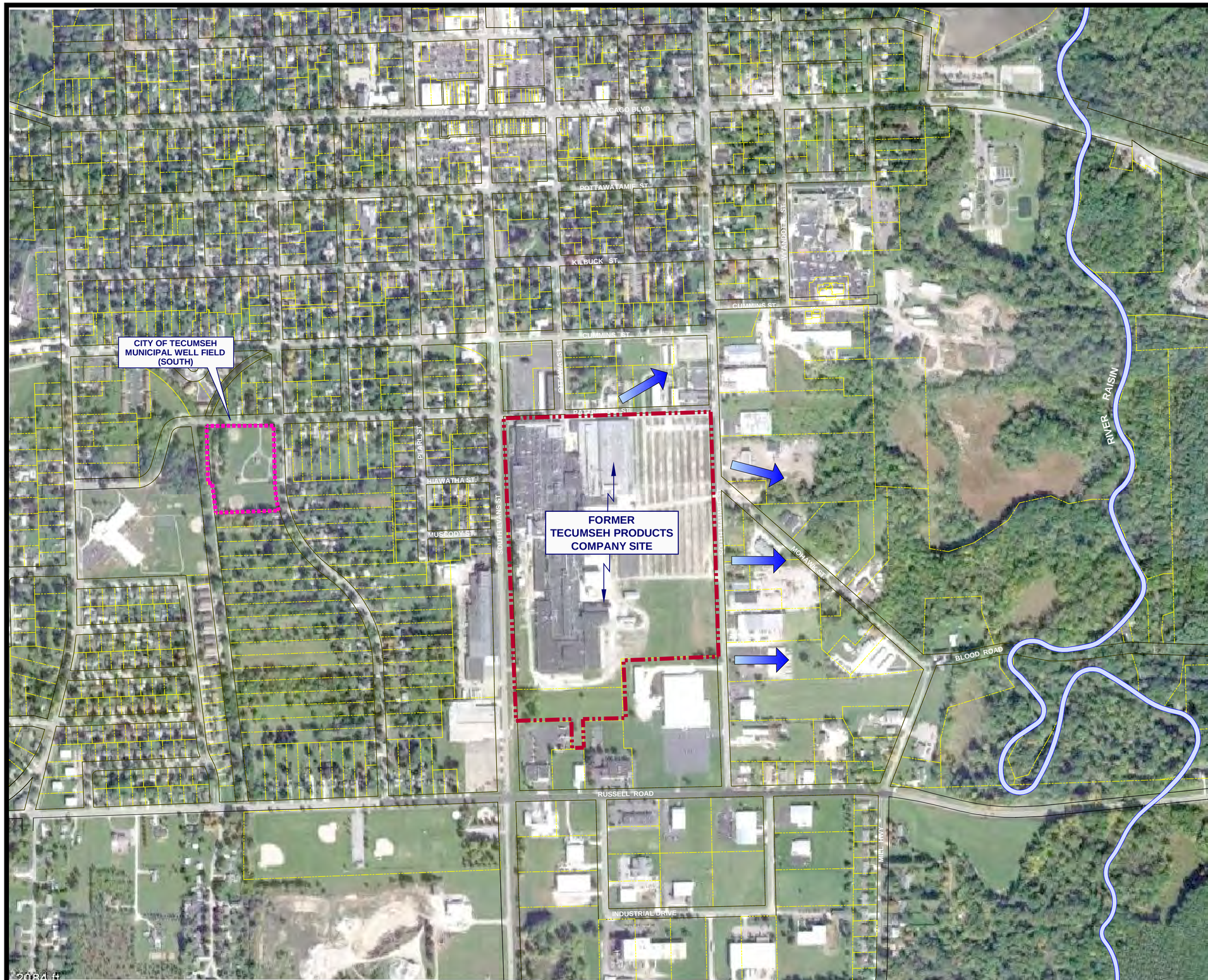


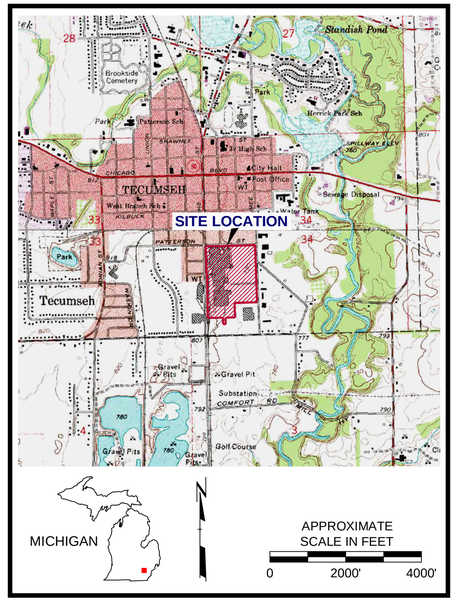
LEGEND

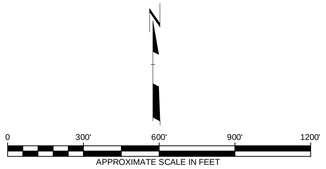
- CITY OF TECUMSEH PROPERTY BOUNDARIES
- FORMER TECUMSEH PRODUCTS SITE BOUNDARY
- PARCEL BOUNDARIES
- GROUNDWATER FLOW DIRECTION

NOTE

1. BASE MAP DEVELOPED FROM SITE PLAN PROVIDED BY THE CITY OF TECUMSEH, DRAWING NO. CITY.DWG, MARCH 2009, AERIAL PHOTOGRAPH PROVIDED FROM REMOTE SENSING & GIS RESEARCH AND OUTREACH SERVICES (RS&GIS), *PUBLICATION_DATE:* 06-29-2007, File:TECUMSEHSOUTH_NE.ECW.

SITE TOPOGRAPHY INSET MAP





NO.	BY	DATE	REVISION	APP'D
3				
2				
1				

PROJ: **FORMER TECUMSEH PRODUCTS SITE TECUMSEH, MICHIGAN**

TITLE: **SITE LOCATION AND VICINITY**

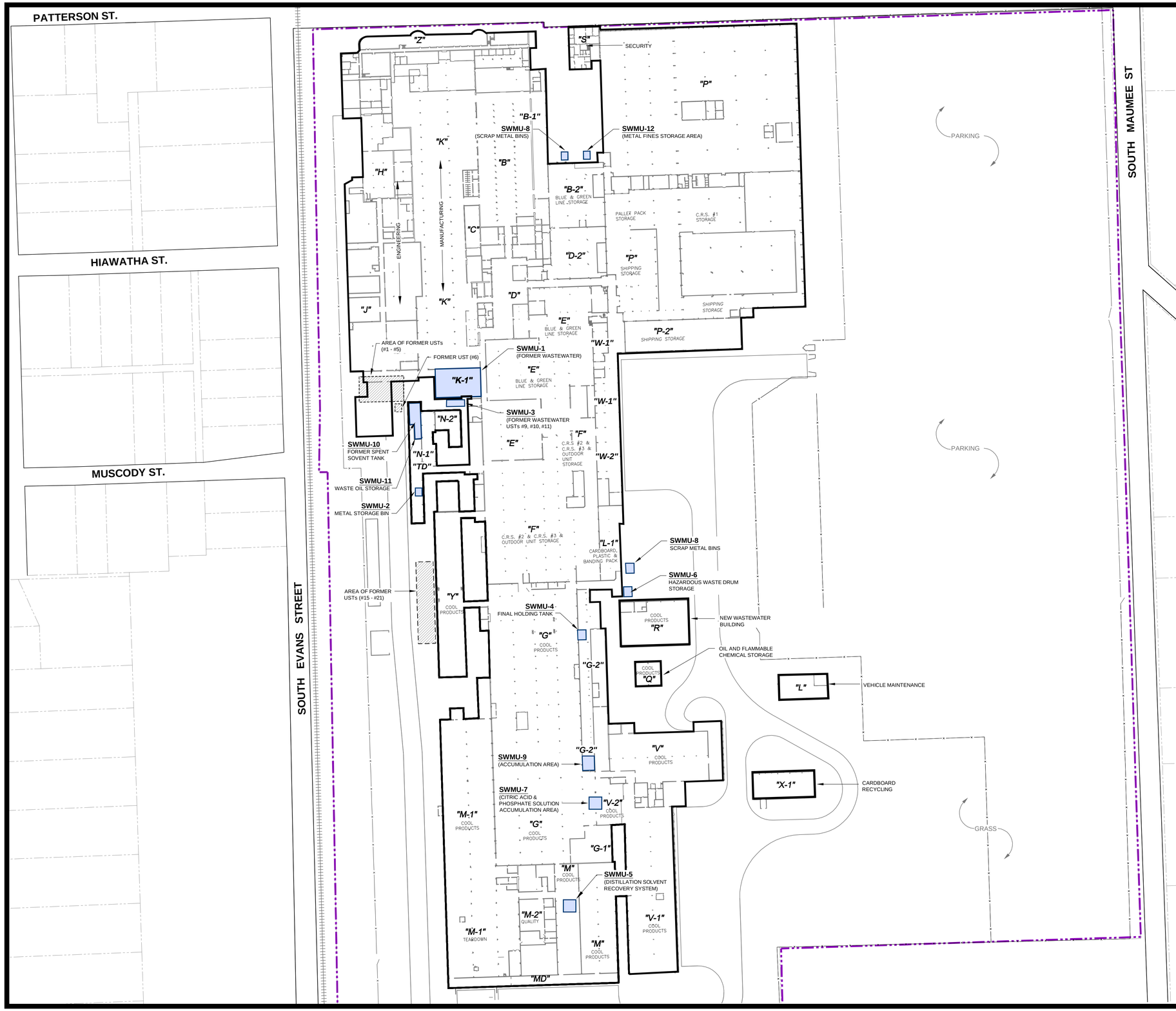
DRAWN BY: DGS	SCALE:	PROJ. NO.	192013.0000.01
CHECKED BY: SEM		FILE NO.	192013.0000.01.01.dwg
APPROVED BY: GC	DATE PRINTED:	**FIGURE 1**	
DATE: SEPTEMBER 2012			

TRC
1540 Eisenhower Place
Ann Arbor, MI 48108
Phone: 734.971.7080
Fax: 734.971.9022

PLOT DATA
Drawing Name: J:_TRC\Tecumseh Products\Tecumseh MI\192013\0000\01\RI Rpt\192013.0000.01.01.dwg
Operator Name: STEHLE, DIANAH
Drawing Scale: Unitless

Dwg Size: 2.10 Mb
Plot Date: September 28, 2012
Plot Time: 2:59 PM

Attached Xref's:
Attached Images: Tecumseh; Tecumseh North Michigan; Tecumseh South Michigan; TECUMSEHNORTH_SE;
Layout: FIGS Site Location Plan & Vicinity



LEGEND

- FORMER TECUMSEH PRODUCTS SITE BOUNDARY
- TECUMSEH PRODUCTS UILDING OUTLINE
- PARCEL BOUNDARY
- RAILROAD TRACKS (APPROXIMATE LOCATION)
- APPROXIMATE LOCATION OF FORMER SOLID WASTE MANAGEMENT UNITS (SWMUs)
- FENCE LINE

NOTES

1. BASE MAP DEVELOPED FROM SITE PLAN PROVIDED BY THE CITY OF TECUMSEH, DRAWING NO. CITY.DWG, MARCH 2009.
2. SEE SECTION 2 OF THE REMEDIAL INVESTIGATION AND GROUNDWATER ENVIRONMENTAL INDICATOR REPORT FOR A DESCRIPTION OF SWMUs, USTs AND OTHER RELEVANT DATA.

N

0 160' 320' 480' 640'
APPROXIMATE SCALE IN FEET

NO.	BY	DATE	REVISION	APP'D
3				
2				
1				

PROJ.: **FORMER TECUMSEH PRODUCTS SITE TECUMSEH, MICHIGAN**

TITLE: **SITE FEATURES**

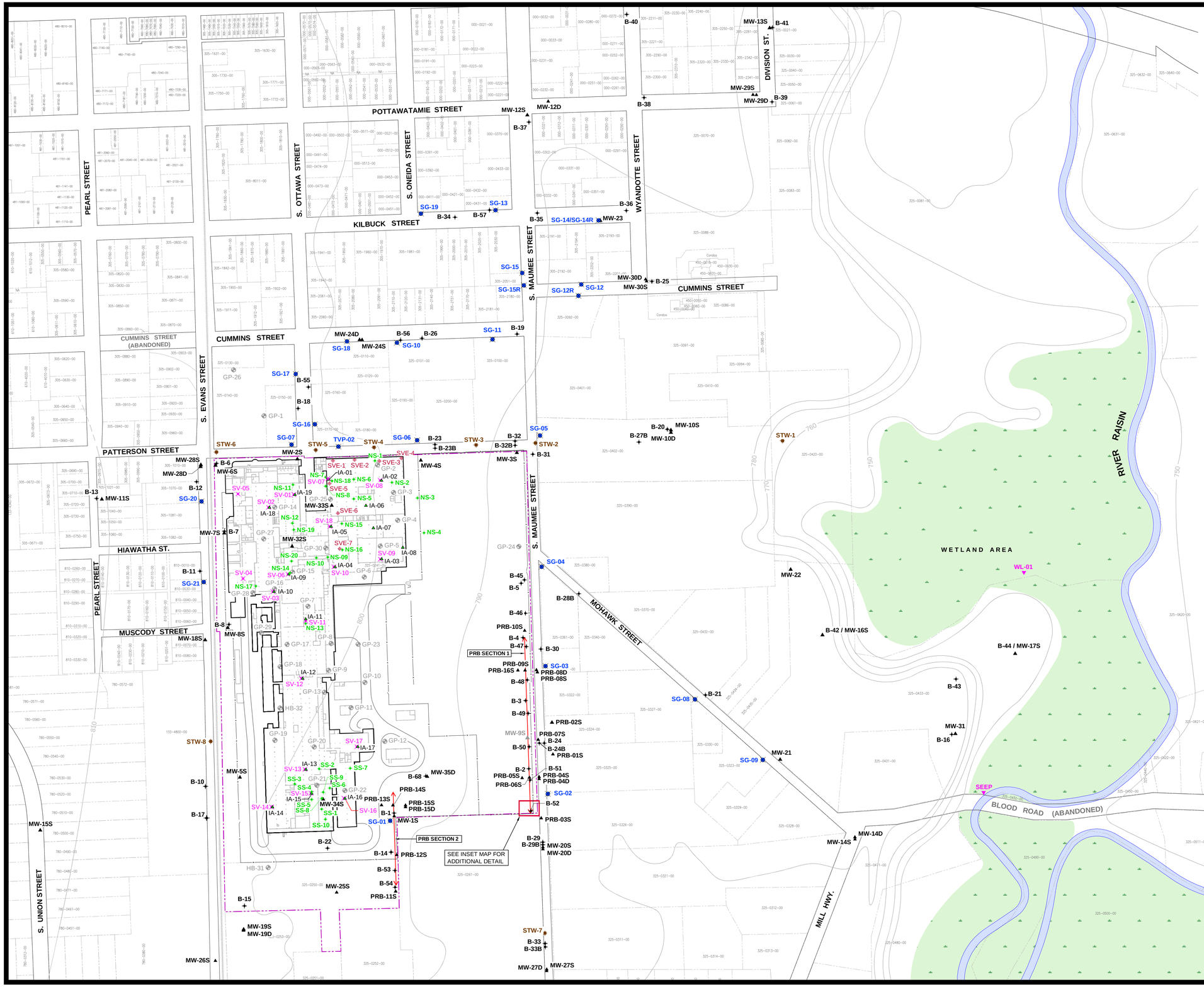
DRAWN BY: DGS	SCALE: AS INDICATED	PROJ. NO. 192013.0000.01	
CHECKED BY: SEM		FILE NO. 192013.0000.01.02.dwg	
APPROVED BY: GC	DATE PRINTED:	**FIGURE 2**	
DATE: SEPTEMBER 2012			

TRC
1540 Eisenhower Place
Ann Arbor, MI 48108
Phone: 734.971.7080
Fax: 734.971.9022

PLOT DATA:
Drawing Name: J:_TRC\Tecumseh Products\Tecumseh MI\192013\0000\01\RI Rpt\192013.0000.01.02.dwg
Operator Name: STEWALE, SAVANH
Drawing Plot Scale: 0.000000

Dwg Size: 2.83 Mb
Plot Date: September 27, 2012
Plot Time: 15:33:16

Attached Xref's: bm033109
Attached Images:
Layout: FIG02-Site Features

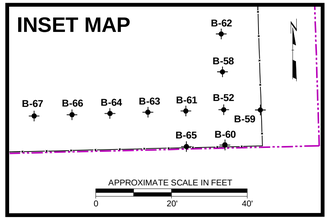


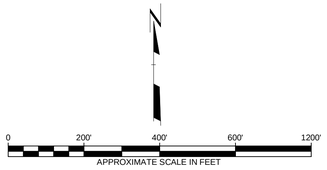
LEGEND

- FORMER TECUMSEH PRODUCTS SITE BOUNDARY
- PARCEL BOUNDARY
- RAILROAD TRACKS (APPROXIMATE LOCATION)
- 750 — APPROXIMATE GROUND TOPOGRAPHY BASED OFF 7.5 MINUTE U.S.G.S. TOPOGRAPHIC QUADRANGLE MAP
- B-2 — PERIMETER / OFF-SITE INVESTIGATION SOIL BORING LOCATION AND NUMBER
- MW-4S — MONITORING WELL LOCATION AND NUMBER
- MW-9S — DECOMMISSIONED MONITORING WELL LOCATION AND NUMBER
- SS-2 — SOURCE AREA INVESTIGATION BORING LOCATION AND NUMBER
- SG-02 — SOIL GAS SAMPLE LOCATION AND NUMBER
- STW-2 — STORM WATER SEWER SAMPLE LOCATION AND NUMBER
- WL-01 — APPROXIMATE SURFACE WATER SAMPLE LOCATION
- SV-10 — SUB-SLAB SOIL GAS SAMPLE NUMBER AND LOCATION
- IA-16 — INDOOR AIR SAMPLE NUMBER AND LOCATION
- SVE-3 — SOIL VAPOR EXTRACTION WELL NUMBER AND LOCATION
- GP-2 — ATC PHASE II ESA BORING LOCATION AND NUMBER
- FLOODPLAIN / WOODED WETLAND AREA
- PRB LOCATION
- FENCE LINE

NOTES

1. BASE MAP DEVELOPED FROM SITE PLAN PROVIDED BY THE CITY OF TECUMSEH, DRAWING NO. CITY.DWG, MARCH 2009.
2. GROUND TOPOGRAPHY BASED OFF 7.5 MINUTE U.S.G.S TOPOGRAPHIC QUADRANGLE MAP AND GROUND SURVEY DATA.





NO.	BY	DATE	REVISION	APP'D
3				
2				
1				

PROJ.: **FORMER TECUMSEH PRODUCTS SITE TECUMSEH, MICHIGAN**

TITLE: **SURFACE TOPOGRAPHY AND SAMPLE LOCATIONS**

DRAWN BY:	DGS	SCALE:	PROJ. NO.	192013.0000.01
CHECKED BY:	SEM	AS INDICATED	FILE NO.	192013.0000.01.03.dwg
APPROVED BY:	GC	DATE PRINTED:		
DATE:	SEPTEMBER 2012			

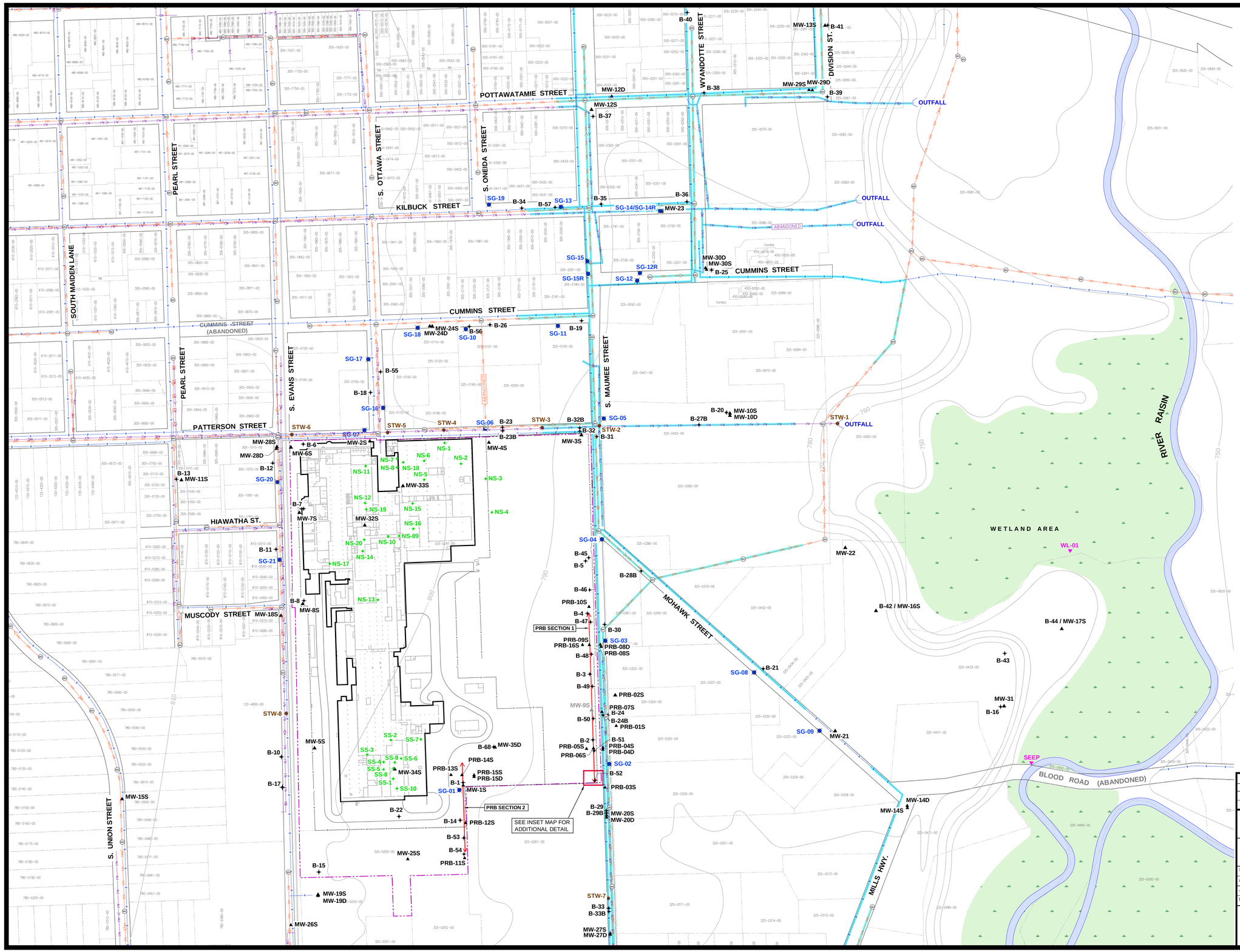
FIGURE 3

TRC
1540 Eisenhower Place
Ann Arbor, MI 48108
Phone: 734.971.7080
Fax: 734.971.9022

Attached Xref's: bm1001G (FBMS)
Attached Images:
Layout: FIG03 Surf Topo & Samples

Dwg Size: 2.28 Mb
Plot Date: September 27, 2012
Plot Time: 11:23 AM

R:\GT DATA
Drawing Name: J:_TRC\Tecumseh Products\Tecumseh MI\192013\0000\01\FIG\192013.0000.01.03.dwg
Operator Name: STEHLE, SARAH
Drawing Plot Scale: 0.000000



LEGEND

- FORMER TECUMSEH PRODUCTS SITE BOUNDARY
- PARCEL BOUNDARY
- RAILROAD TRACKS (APPROXIMATE LOCATION)
- 750 — APPROXIMATE GROUND TOPOGRAPHY BASED OFF 7.5 MINUTE U.S.G.S. TOPOGRAPHIC QUADRANGLE MAP
- B-2 — PERIMETER / OFF-SITE INVESTIGATION SOIL BORING LOCATION AND NUMBER
- MW-4S — MONITORING WELL LOCATION AND NUMBER
- MW-9S — DECOMMISSIONED MONITORING WELL LOCATION AND NUMBER
- SS-2 — SOURCE AREA INVESTIGATION BORING LOCATION AND NUMBER
- SG-02 — SOIL GAS SAMPLE LOCATION AND NUMBER
- STW-2 — STORM WATER SEWER SAMPLE LOCATION AND NUMBER
- WL-01 — APPROXIMATE SURFACE WATER SAMPLE LOCATION
- FLOODPLAIN / WOODED WETLAND AREA
- PRB LOCATION
- FENCE LINE
- WATER LINE (SEE NOTE 3)
- SANITARY SEWER (SEE NOTE 3)
- STORM SEWER (NOTE 3)
- MANHOLE

NOTES

1. BASE MAP DEVELOPED FROM SITE PLAN PROVIDED BY THE CITY OF TECUMSEH, DRAWING NO. CITY.DWG, MARCH 2009.
2. GROUND TOPOGRAPHY BASED OFF 7.5 MINUTE U.S.G.S TOPOGRAPHIC QUADRANGLE MAP AND GROUND SURVEY DATA.
3. BLUE HIGHLIGHTING INDICATES APPROXIMATE LOCATIONS WHERE UTILITY CORRIDOR IS SATURATED.

INSET MAP

B-62, B-58, B-67, B-66, B-64, B-63, B-61, B-52, B-59, B-65, B-60

APPROXIMATE SCALE IN FEET
0 20 40

NO.	BY	DATE	REVISION	APP'D
3				
2				
1				

PROJECT:
FORMER TECUMSEH PRODUCTS SITE
TECUMSEH, MICHIGAN

TITLE:
MAJOR UTILITY LOCATIONS

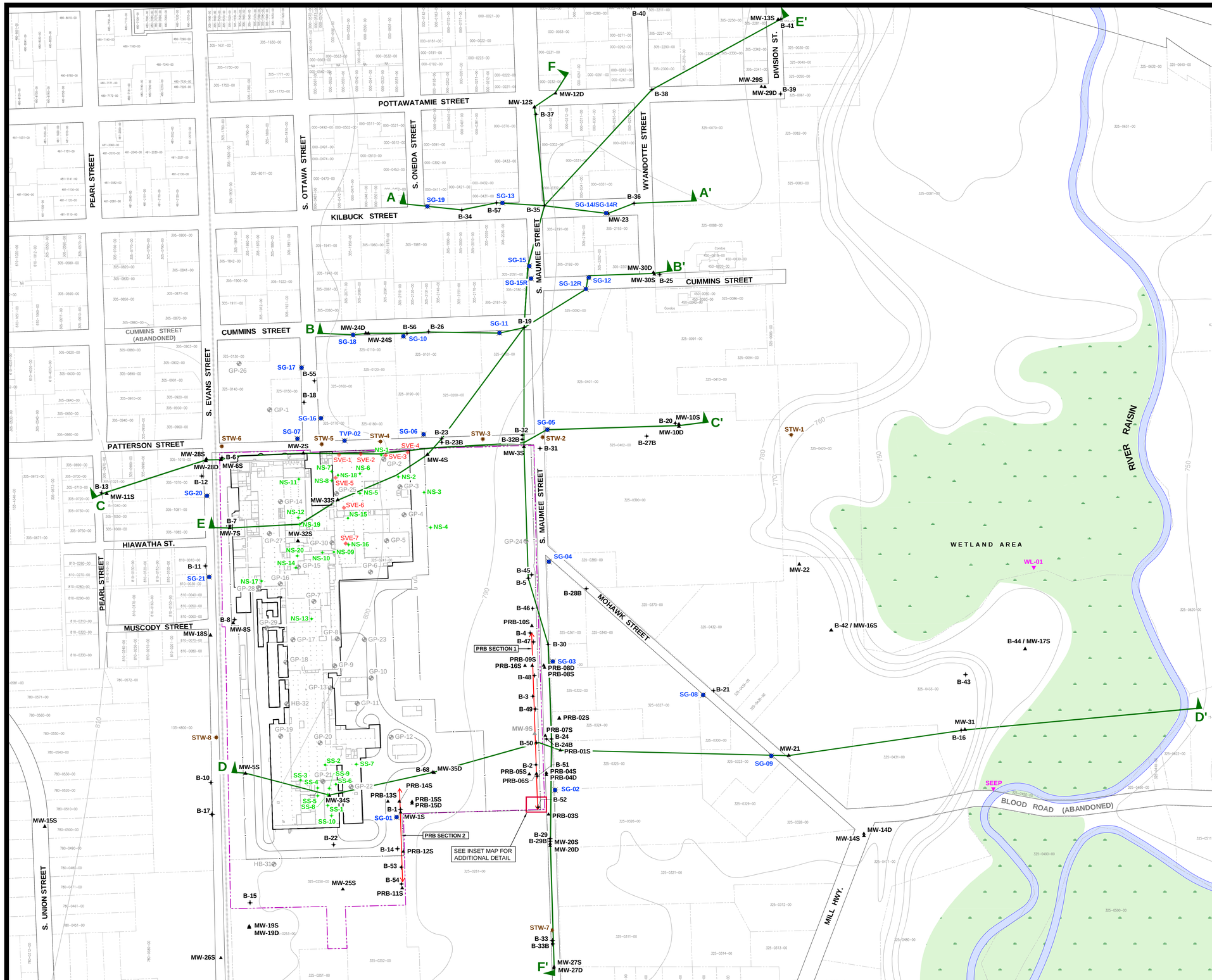
DRAWN BY: SJL/DGS	SCALE:	PROJ. NO.	192012.0000.01
CHECKED BY: SM	AS INDICATED	FILE NO.	192013.0000.01.04.dwg
APPROVED BY: GC	DATE PRINTED:	**FIGURE 4**	
DATE: SEPTEMBER 2012			

TRC
1540 Eisenhower Place
Ann Arbor, MI 48108
Phone: 734.971.7080
Fax: 734.971.9022

PLOT DATA
Drawing Name: J:_TRC\Tecumseh Products\Tecumseh MI\192013\0000\01\R\192013.0000.01.04.dwg
Operator Name: STEPHLE, DIANAH
Drawing Scale: 1:30000

Dwg Size: 1.82 Mb
Plot Date: September 27, 2012
Plot Time: 12:29:18

Attached Xref's: bsn100119 (Filled)
Attached Images: Est of Inter Clay Layer, water map 1;
Layers: 10/24 Utilities



LEGEND

- FORMER TECUMSEH PRODUCTS SITE BOUNDARY
- PARCEL BOUNDARY
- RAILROAD TRACKS (APPROXIMATE LOCATION)
- 750 — APPROXIMATE GROUND TOPOGRAPHY BASED OFF 7.5 MINUTE U.S.G.S. TOPOGRAPHIC QUADRANGLE MAP
- B-2 — PERIMETER / OFF-SITE INVESTIGATION SOIL BORING LOCATION AND NUMBER
- MW-4S — MONITORING WELL LOCATION AND NUMBER
- MW-9S — DECOMMISSIONED MONITORING WELL LOCATION AND NUMBER
- SS-2 — SOURCE AREA INVESTIGATION BORING LOCATION AND NUMBER
- SG-02 — SOIL GAS SAMPLE LOCATION AND NUMBER
- STW-2 — STORM WATER SEWER SAMPLE LOCATION AND NUMBER
- WL-01 — APPROXIMATE SURFACE WATER SAMPLE LOCATION
- SVE-3 — SOIL VAPOR EXTRACTION WELL NUMBER AND LOCATION
- GP-2 — ATC PHASE II ESA BORING LOCATION AND NUMBER
- FLOODPLAIN / WOODED WETLAND AREA
- PRB LOCATION
- FENCE LINE
- CROSS-SECTION LOCATION

NOTES

1. BASE MAP DEVELOPED FROM SITE PLAN PROVIDED BY THE CITY OF TECUMSEH, DRAWING NO. CITY.DWG, MARCH 2009.
2. GROUND TOPOGRAPHY BASED OFF 7.5 MINUTE U.S.G.S TOPOGRAPHIC QUADRANGLE MAP AND GROUND SURVEY DATA.

INSET MAP

B-62, B-58, B-67, B-66, B-64, B-63, B-61, B-52, B-59, B-65, B-60

APPROXIMATE SCALE IN FEET: 0, 20', 40'

N

0, 200', 400', 600', 1200'

APPROXIMATE SCALE IN FEET

NO.	BY	DATE	REVISION	APP'D
3				
2				
1				

PROJ: FORMER TECUMSEH PRODUCTS SITE TECUMSEH, MICHIGAN

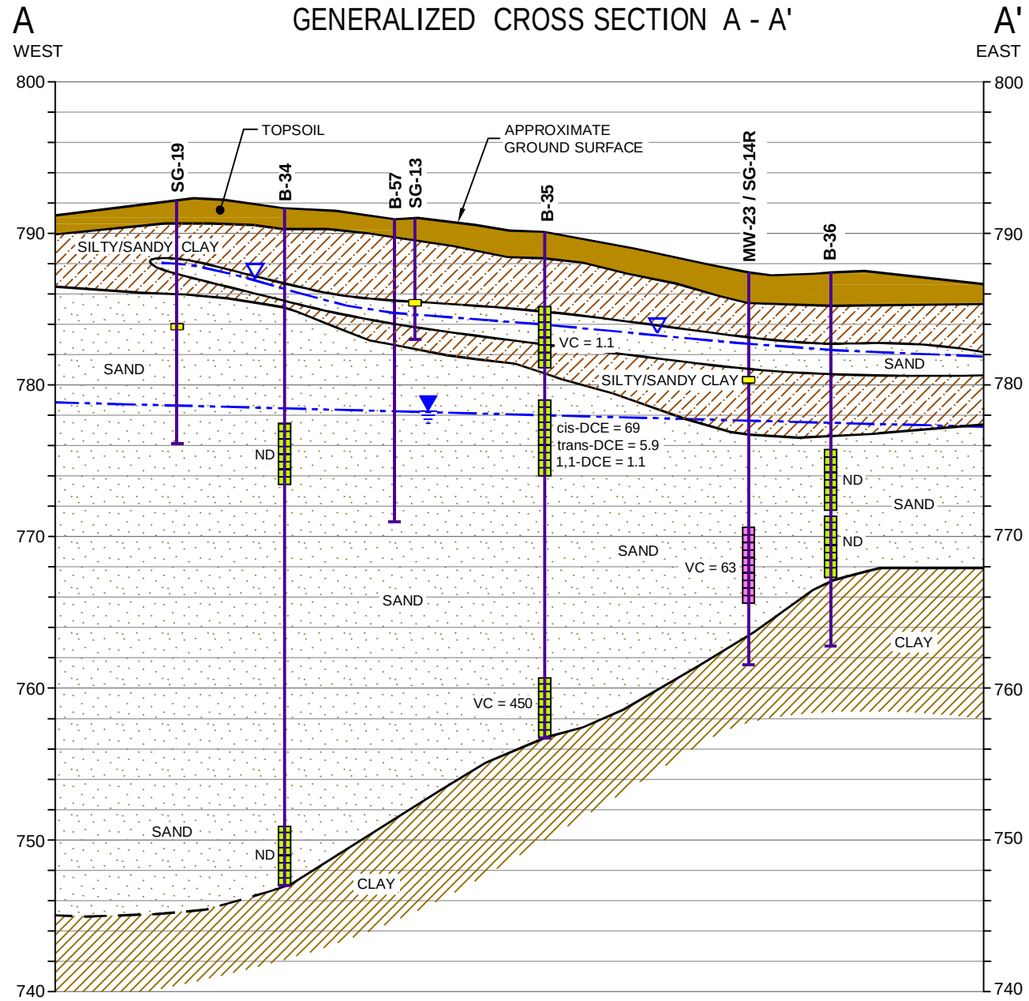
TITLE: CROSS SECTION LOCATION MAP

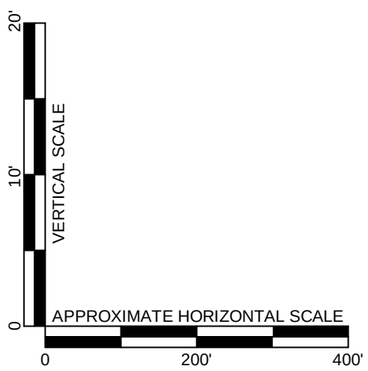
DRAWN BY: DGS	SCALE: AS INDICATED	PROJ. NO. 192013.0000.01	
CHECKED BY: SEM		FILE NO. 192013.0000.01.05.dwg	
APPROVED BY: GC	DATE PRINTED:	FIGURE 5	
DATE: SEPTEMBER 2012			

TRC
1540 Eisenhower Place
Ann Arbor, MI 48108
Phone: 734.971.7080
Fax: 734.971.9022

PLOT DATA:
Drawing Name: J:_TRC\Tecumseh Products\Tecumseh MI\192013\0000\01\05\192013.0000.01.05.dwg
Operator Name: DTEHLE, DANIAH
Drawing Pen Scale: 0.0000000
Attached Xref's: bm10010 (Filter)
Attached Images:
Layout: FIG05 XS Locations
Dwg Size: 1.43 Mb
Plot Date: September 26, 2012
Plot Time: 3:23 PM

GENERALIZED CROSS SECTION A - A'





LEGEND

- TOPSOIL
- SAND
- CLAY
- SILT
- SANDY / SILTY CLAY
- CONCRETE
- FILL
- GRAVEL

STRATIGRAPHIC BOUNDARY BASED ON NEAREST SOIL BORING OR MONITORING WELL (DASHED WHERE INFERRED)

APPROXIMATE GROUNDWATER ELEVATION

PERCHED GROUNDWATER ELEVATION

PIEZOMETRIC WATER LEVEL INDICATOR

TEMPORARY WELL SCREEN

WELL SCREEN

SOIL GAS SAMPLE POINT SCREEN

PCE	=	TETRACHLOROETHENE
TCE	=	TRICHLOROETHENE
TCA	=	1,1,1-TRICHLOROETHANE
1,1-DCE	=	1,1-DICHLOROETHENE
1,1-DCA	=	1,1-DICHLOROETHANE
cis-DCE	=	1,2-cis-DICHLOROETHENE
trans-DCE	=	1,2-trans-DICHLOROETHENE
VC	=	VINYL CHLORIDE
ND	=	NOT DETECTED

NOTES

1. GROUND SURFACE AND STRATIGRAPHIC CONTACTS ARE APPROXIMATE AND EXTRAPOLATED FROM NEAREST SOIL BORING DATA.
2. SEE FIGURE 5 FOR LOCATION / ORIENTATION OF THIS GEOLOGIC CROSS SECTION.
3. GROUNDWATER ANALYTICAL DATA REFLECTS MOST RECENT SAMPLE EVENT AS OF AUGUST 2012.
4. DETECTED GROUNDWATER CONCENTRATIONS FOR CONSTITUENTS OF HIGHEST CONCERN ARE PROVIDED IN MICROGRAMS PER LITER.

PROJECT:
FORMER TECUMSEH PRODUCTS SITE
TECUMSEH, MICHIGAN

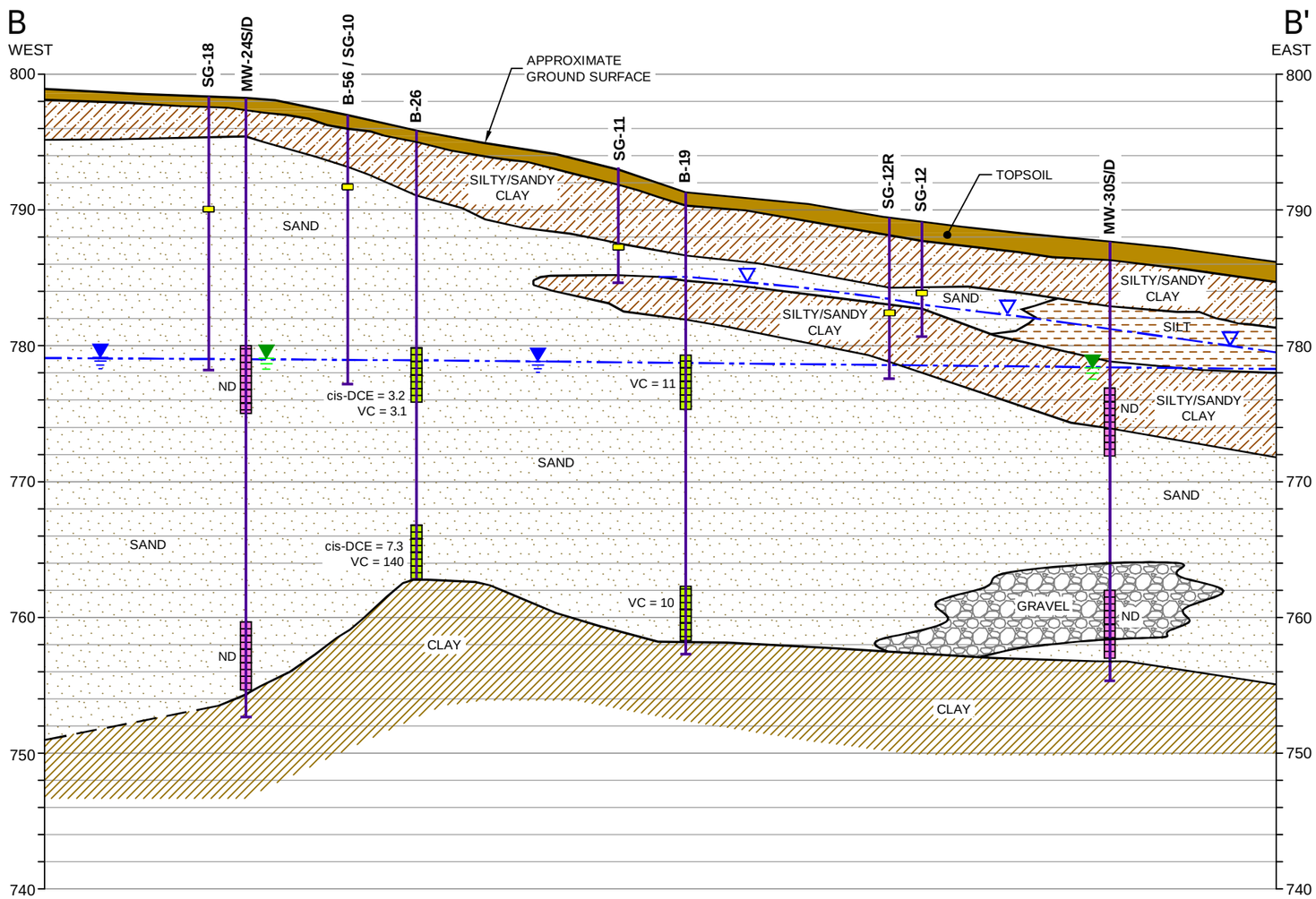
TITLE:
CROSS SECTION A - A'

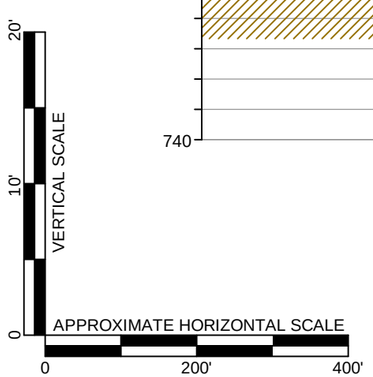
DRAWN BY: DGS	SCALE:	PROJ. NO. 192013.0000.01	
CHECKED BY: SEM	AS INDICATED	FILE NO. 192013.0000.01.06-11.dwg	
APPROVED BY: GC	DATE PRINTED:	FIGURE 6	
DATE: SEPTEMBER 2012			

TRC
1540 Eisenhower Place
Ann Arbor, MI 48108
Phone: 734.971.7080
Fax: 734.971.9022

PLOT DATA
Drawing Name: J:_TRC\Tecumseh Products\Tecumseh MI\192013\0000\01\RI Rpt\192013.0000.01.06-11.dwg
Operator Name: STEHLE, DIANAH
Drawing Plot Scale: 1'-0" = 1'-0"
Dwg Size: 1.10 Mb
Plot Date: September 27, 2012
Plot Time: 12:41 PM
Attached Xref's:
Attached Images:
Layout: FIG 06 XSA-A

GENERALIZED CROSS SECTION B - B'





LEGEND

- TOPSOIL
- SANDY / SILTY CLAY
- SAND
- CONCRETE
- CLAY
- FILL
- SILT
- GRAVEL

STRATIGRAPHIC BOUNDARY BASED ON NEAREST SOIL BORING OR MONITORING WELL (DASHED WHERE INFERRED)

APPROXIMATE GROUNDWATER ELEVATION

PERCHED GROUNDWATER ELEVATION

PIEZOMETRIC WATER LEVEL INDICATOR

TEMPORARY WELL SCREEN

WELL SCREEN

SOIL GAS SAMPLE POINT SCREEN

PCE	=	TETRACHLOROETHENE
TCE	=	TRICHLOROETHENE
TCA	=	1,1,1-TRICHLOROETHANE
1,1-DCE	=	1,1-DICHLOROETHENE
1,1-DCA	=	1,1-DICHLOROETHANE
cis-DCE	=	1,2-cis-DICHLOROETHENE
trans-DCE	=	1,2-trans-DICHLOROETHENE
VC	=	VINYL CHLORIDE
ND	=	NOT DETECTED

NOTES

1. GROUND SURFACE AND STRATIGRAPHIC CONTACTS ARE APPROXIMATE AND EXTRAPOLATED FROM NEAREST SOIL BORING DATA.
2. SEE FIGURE 5 FOR LOCATION / ORIENTATION OF THIS GEOLOGIC CROSS SECTION.
3. GROUNDWATER ANALYTICAL DATA REFLECTS MOST RECENT SAMPLE EVENT AS OF AUGUST 2012.
4. DETECTED GROUNDWATER CONCENTRATIONS FOR CONSTITUENTS OF HIGHEST CONCERN ARE PROVIDED IN MICROGRAMS PER LITER.

PROJECT:
FORMER TECUMSEH PRODUCTS SITE
TECUMSEH, MICHIGAN

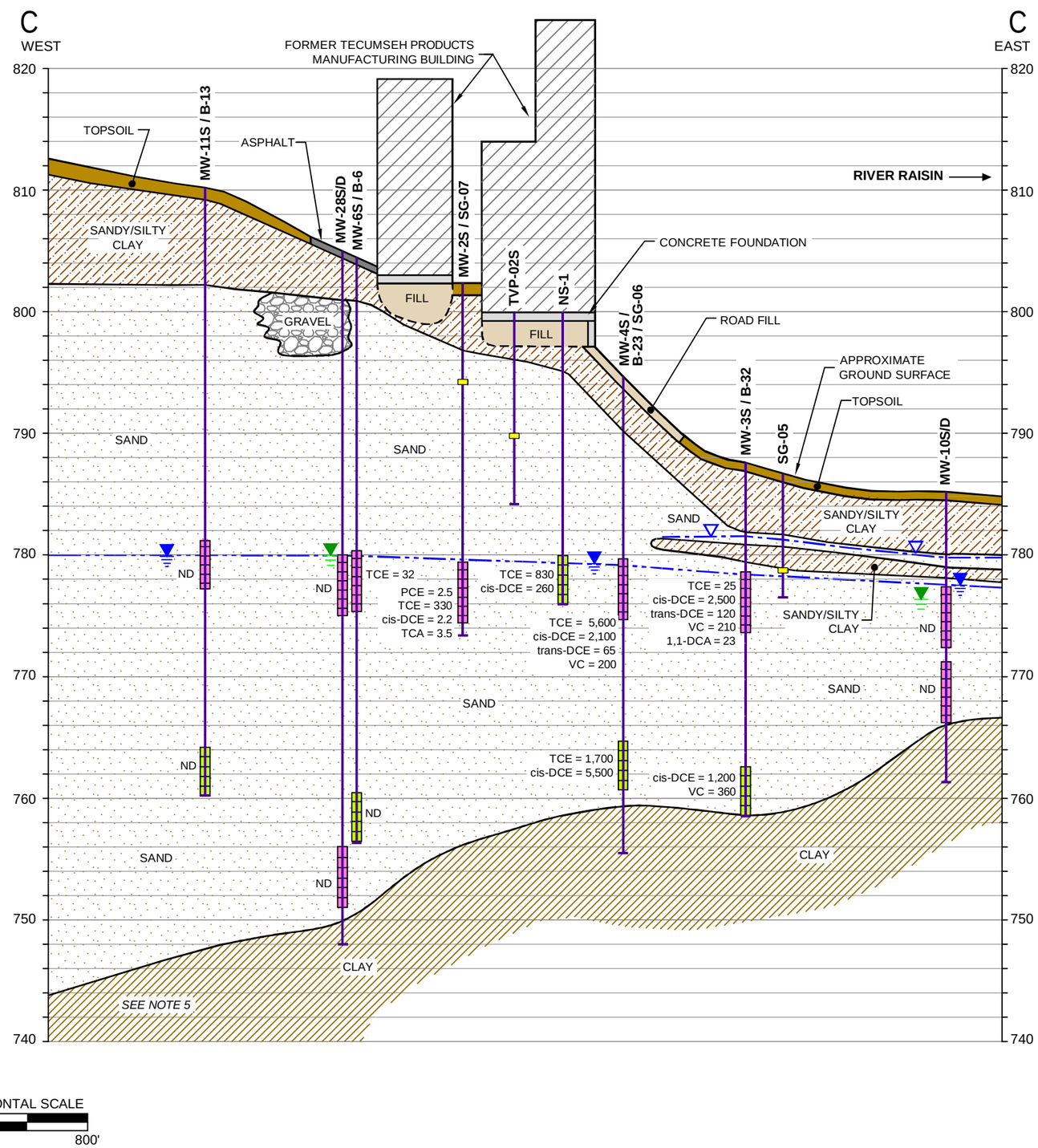
TITLE:
CROSS SECTION B - B'

DRAWN BY: DGS	SCALE:	PROJ. NO.	192013.0000.01
CHECKED BY: SEM	AS INDICATED	FILE NO.	192013.0000.01.06-11.dwg
APPROVED BY: GC	DATE PRINTED:	FIGURE 7	
DATE: SEPTEMBER 2012			

TRC
1540 Eisenhower Place
Ann Arbor, MI 48108
Phone: 734.971.7080
Fax: 734.971.9022

PLOT DATA
Drawing Name: J:_TRC\Tecumseh Products\Tecumseh MI\192013\0000\01\RI Rpt\192013.0000.01.06-11.dwg
Operator Name: STEHLE, DIANAH
Drawing Plot Scale: 0.388863
Dwg Size: 1.82 Mb
Plot Date: September 26, 2012
Plot Time: 1:25 PM
Attached Xref's:
Attached Images:
Layout: FIG07 XS B-B

GENERALIZED CROSS SECTION C - C'



LEGEND

TOPSOIL	SANDY / SILTY CLAY
SAND	CONCRETE
CLAY	FILL
SILT	GRAVEL

STRATIGRAPHIC BOUNDARY BASED ON NEAREST SOIL BORING OR MONITORING WELL (DASHED WHERE INFERRED)

APPROXIMATE GROUNDWATER ELEVATION

PERCHED GROUNDWATER ELEVATION

PIEZOMETRIC WATER LEVEL INDICATOR

TEMPORARY WELL SCREEN

WELL SCREEN

SOIL GAS SAMPLE POINT SCREEN

PCE = TETRACHLOROETHENE
TCE = TRICHLOROETHENE
TCA = 1,1,1-TRICHLOROETHANE
1,1-DCE = 1,1-DICHLOROETHENE
1,1-DCA = 1,1-DICHLOROETHANE
cis-DCE = 1,2-cis-DICHLOROETHENE
trans-DCE = 1,2-trans-DICHLOROETHENE
VC = VINYL CHLORIDE
ND = NOT DETECTED

NOTES

1. GROUND SURFACE AND STRATIGRAPHIC CONTACTS ARE APPROXIMATE AND EXTRAPOLATED FROM NEAREST SOIL BORING DATA.
2. SEE FIGURE 5 FOR LOCATION / ORIENTATION OF THIS GEOLOGIC CROSS SECTION.
3. GROUNDWATER ANALYTICAL DATA REFLECTS MOST RECENT SAMPLE EVENT AS OF AUGUST 2012.
4. DETECTED GROUNDWATER CONCENTRATIONS FOR CONSTITUENTS OF HIGHEST CONCERN ARE PROVIDED IN MICROGRAMS PER LITER.
5. THE ELEVATION OF THE TOP OF CLAY NEAR MW-11S IS ESTIMATED BASED ON WELL LOGS FROM THE CITY OF TECUMSEH WELL FIELD, WHICH IS LOCATED APPROXIMATELY 1,000 FEET WEST OF MW-11S. TOP OF CLAY AT THE CITY WELL FIELD IS AT APPROXIMATELY 740 FEET MSL.

PROJECT:
FORMER TECUMSEH PRODUCTS SITE
TECUMSEH, MICHIGAN

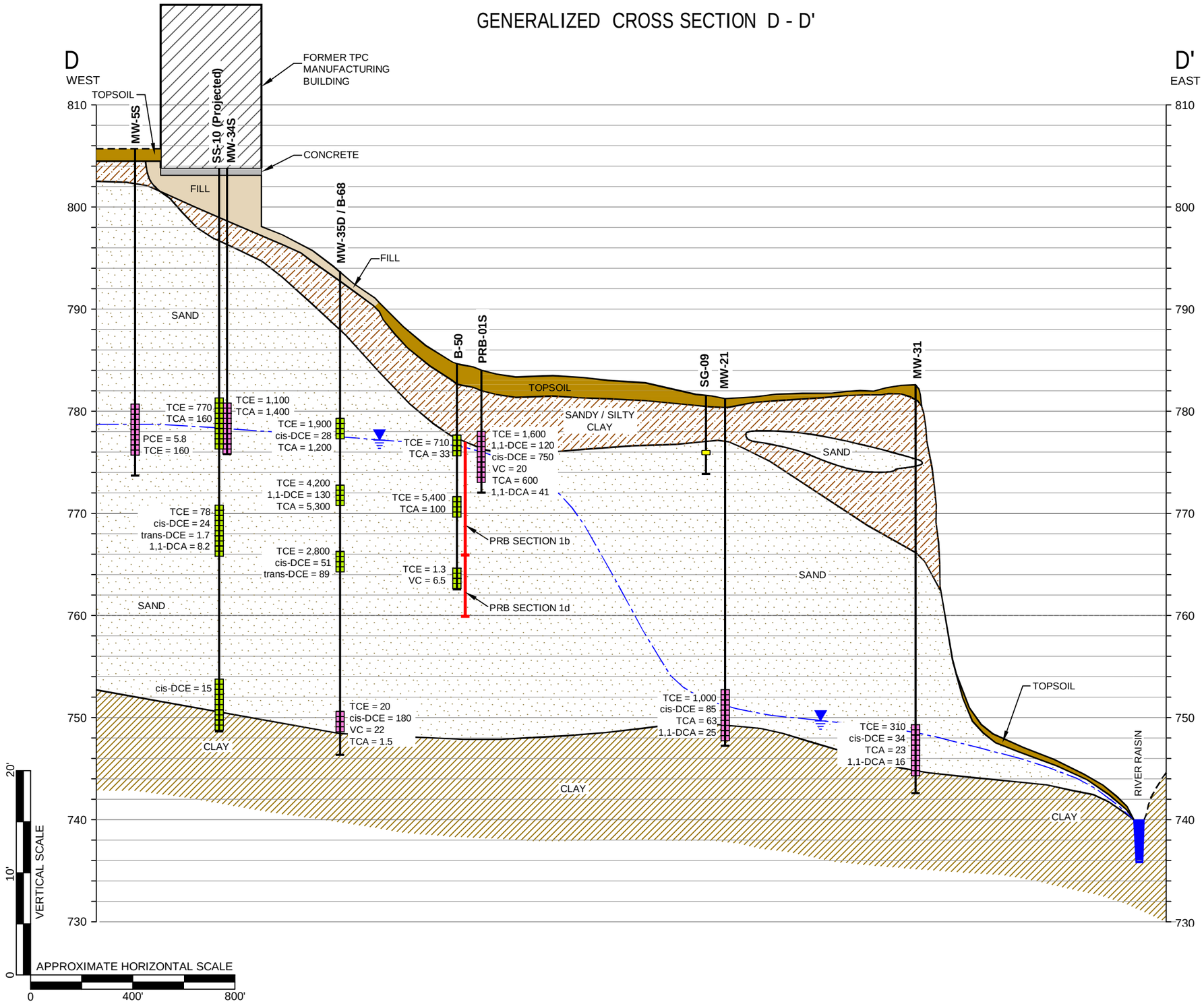
TITLE:
CROSS SECTION C - C'

DRAWN BY: SJL/DGS	SCALE:	PROJ. NO.	192013.0000.01
CHECKED BY: SEM	AS INDICATED	FILE NO.	192013.0000.01.06-11.dwg
APPROVED BY: GC	DATE PRINTED:	FIGURE 8	
DATE: SEPTEMBER 2012			

TRC
1540 Eisenhower Place
Ann Arbor, MI 48108
Phone: 734.971.7080
Fax: 734.971.9022

PLOT DATA
Drawing Name: J:_TRC\Tecumseh Products\Tecumseh MI\192013\0000\01\RI Rpt\192013.0000.01.06-11.dwg
Operator Name: STEHLE, DIANAH
Drawing Plot Scale: 0.386863
Dwg Size: 1.10 Mb
Plot Date: September 27, 2012
Plot Time: 12:43 PM
Attached Xrefs:
Attached Images:
Layout: FIG08 XS C-C

GENERALIZED CROSS SECTION D - D'



LEGEND

TOPSOIL	SANDY / SILTY CLAY
SAND	CONCRETE
CLAY	FILL
SILT	GRAVEL

STRATIGRAPHIC BOUNDARY BASED ON NEAREST SOIL BORING OR MONITORING WELL (DASHED WHERE INFERRED)

APPROXIMATE GROUNDWATER ELEVATION

PERCHED GROUNDWATER ELEVATION

PIEZOMETRIC WATER LEVEL INDICATOR

TEMPORARY WELL SCREEN

WELL SCREEN

SOIL GAS SAMPLE POINT SCREEN

PCE	=	TETRACHLOROETHENE
TCE	=	TRICHLOROETHENE
TCA	=	1,1,1-TRICHLOROETHANE
1,1-DCE	=	1,1-DICHLOROETHENE
1,1-DCA	=	1,1-DICHLOROETHANE
cis-DCE	=	1,2-cis-DICHLOROETHENE
trans-DCE	=	1,2-trans-DICHLOROETHENE
VC	=	VINYL CHLORIDE
ND	=	NOT DETECTED

NOTES

1. GROUND SURFACE AND STRATIGRAPHIC CONTACTS ARE APPROXIMATE AND EXTRAPOLATED FROM NEAREST SOIL BORING DATA.
2. SEE FIGURE 5 FOR LOCATION / ORIENTATION OF THIS GEOLOGIC CROSS SECTION.
3. GROUNDWATER ANALYTICAL DATA REFLECTS MOST RECENT SAMPLE EVENT AS OF AUGUST 2012.
4. DETECTED GROUNDWATER CONCENTRATIONS FOR CONSTITUENTS OF HIGHEST CONCERN ARE PROVIDED IN MICROGRAMS PER LITER.

NO.	BY	DATE	REVISION	APP'D
1	DGS	10/24/12	MW-35D DATA / SS-10 ADDED	GC

PROJECT:
FORMER TECUMSEH PRODUCTS SITE
TECUMSEH, MICHIGAN

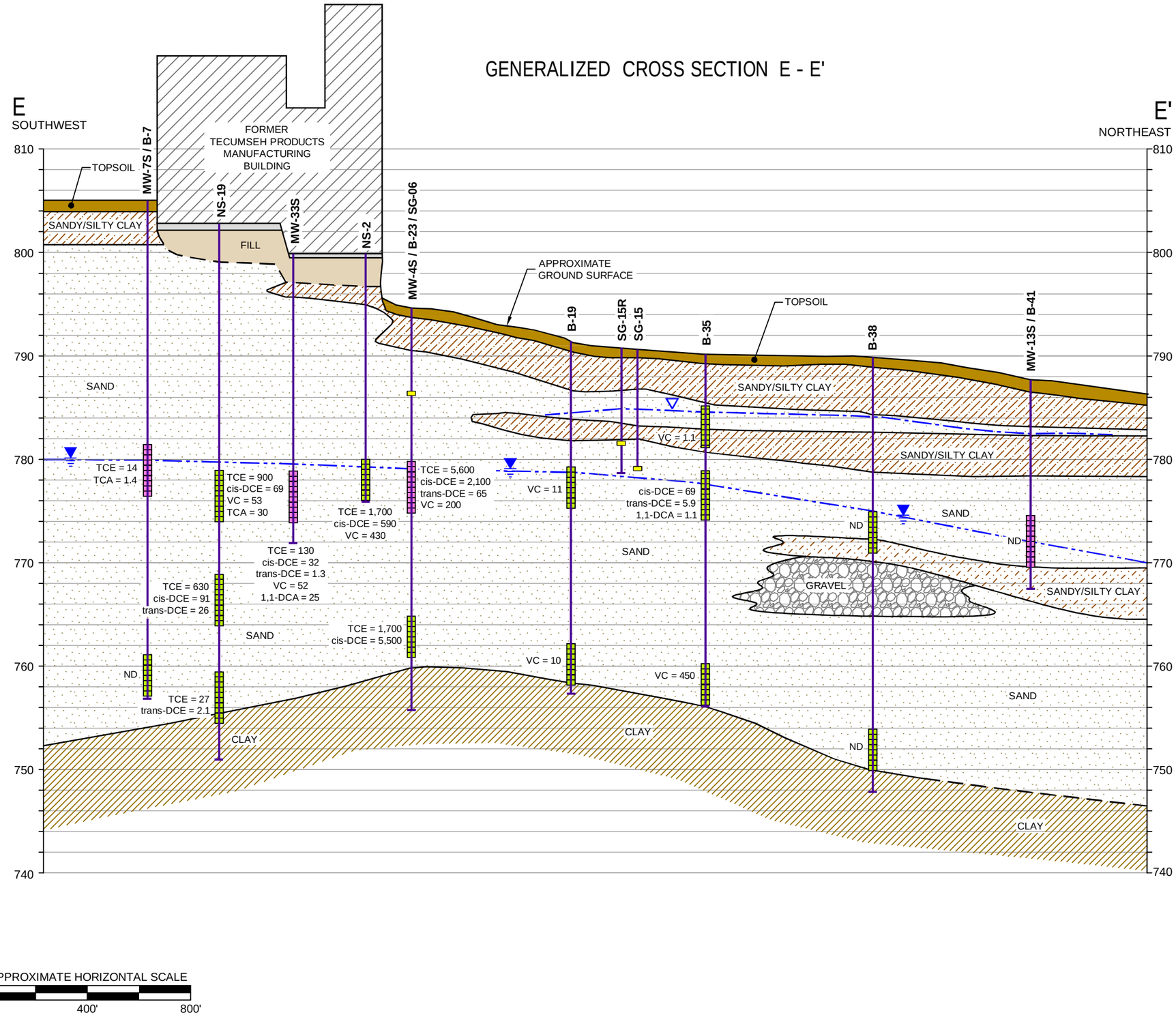
TITLE:
CROSS SECTION D - D'

DRAWN BY: METZA/DGS	SCALE:	PROJ. NO.	192013.0000.01
CHECKED BY: SEM	AS INDICATED	FILE:	192013.0000.01.06-11A.dwg
APPROVED BY: GC	DATE PRINTED:	FIGURE 9	
DATE: SEPTEMBER 2012			

TRC
1540 Eisenhower Place
Ann Arbor, MI 48108
Phone: 734.971.7080
Fax: 734.971.9022

PLOT DATA
Drawing Name: J:_TRC\Tecumseh Products\Tecumseh MI\192013\0000\01\RI Rpt\192013.0000.01.06-11A.dwg
Operator Name: STEHLE, DIANAH
Drawing Plot Scale: 0.386863
Dwg Size: 1.11 Mb
Plot Date: October 24, 2012
Plot Time: 1:56 PM
Attached Xrefs:
Attached Images:
Layout: FIG09 XS D-D

GENERALIZED CROSS SECTION E - E'



LEGEND

- TOPSOIL
- SANDY / SILTY CLAY
- SAND
- CONCRETE
- CLAY
- FILL
- SILT
- GRAVEL
- STRATIGRAPHIC BOUNDARY BASED ON NEAREST SOIL BORING OR MONITORING WELL (DASHED WHERE INFERRED)
- APPROXIMATE GROUNDWATER ELEVATION
- PERCHED GROUNDWATER ELEVATION
- PIEZOMETRIC WATER LEVEL INDICATOR
- TEMPORARY WELL SCREEN
- WELL SCREEN
- SOIL GAS SAMPLE POINT SCREEN

PCE	=	TETRACHLOROETHENE
TCE	=	TRICHLOROETHENE
TCA	=	1,1,1-TRICHLOROETHANE
1,1-DCE	=	1,1-DICHLOROETHENE
1,1-DCA	=	1,1-DICHLOROETHANE
cis-DCE	=	1,2-cis-DICHLOROETHENE
trans-DCE	=	1,2-trans-DICHLOROETHENE
VC	=	VINYL CHLORIDE
ND	=	NOT DETECTED

NOTES

1. GROUND SURFACE AND STRATIGRAPHIC CONTACTS ARE APPROXIMATE AND EXTRAPOLATED FROM NEAREST SOIL BORING DATA.
2. SEE FIGURE 5 FOR LOCATION / ORIENTATION OF THIS GEOLOGIC CROSS SECTION.
3. GROUNDWATER ANALYTICAL DATA REFLECTS MOST RECENT SAMPLE EVENT AS OF AUGUST 2012.
4. DETECTED GROUNDWATER CONCENTRATIONS FOR CONSTITUENTS OF HIGHEST CONCERN ARE PROVIDED IN MICROGRAMS PER LITER.

PROJECT:
FORMER TECUMSEH PRODUCTS SITE
TECUMSEH, MICHIGAN

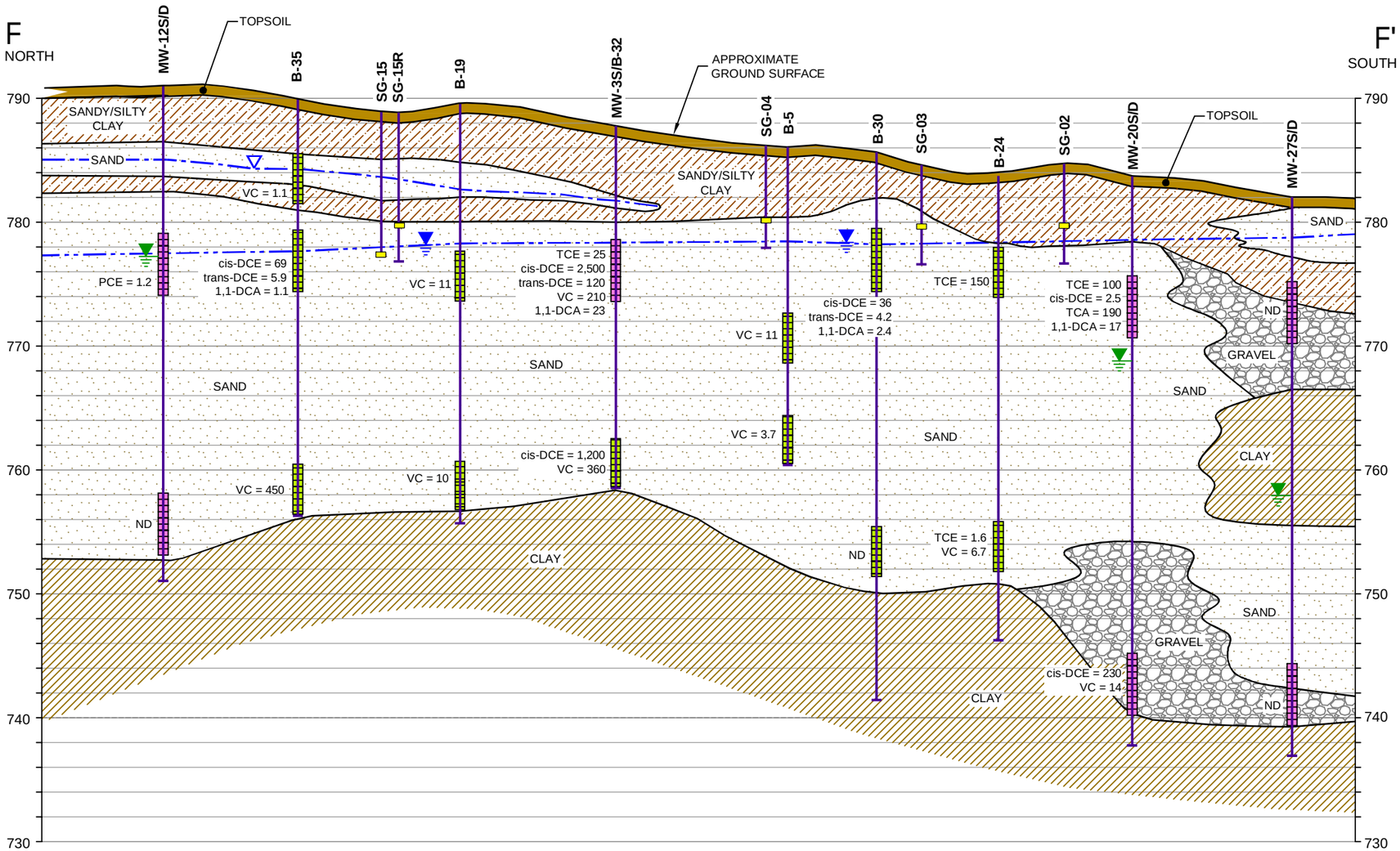
TITLE:
CROSS SECTION E - E'

DRAWN BY: DGS	SCALE:	PROJ. NO.	192013.0000.01
CHECKED BY: SEM	AS INDICATED	FILE NO.	192013.0000.01.06-11.dwg
APPROVED BY: GC	DATE PRINTED:	FIGURE 10	
DATE: SEPTEMBER 2012			

TRC
1540 Eisenhower Place
Ann Arbor, MI 48108
Phone: 734.971.7080
Fax: 734.971.9022

PLOT DATA
Drawing Name: J:_TRC\Tecumseh Products\Tecumseh MI\192013\0000\011RI Rpt\192013.0000.01.06-11.dwg
Operator Name: STEHLE, DIANAH
Drawing Plot Scale: 0.386863
Dwg Size: 1.82 Mb
Plot Date: September 26, 2012
Plot Time: 1:50 PM
Attached Xrefs:
Attached Images:
Layout: FIG10 XS E-E

GENERALIZED CROSS SECTION F - F'



LEGEND

- TOPSOIL
- SAND
- CLAY
- SILT
- SANDY / SILTY CLAY
- CONCRETE
- FILL
- GRAVEL
- STRATIGRAPHIC BOUNDARY BASED ON NEAREST SOIL BORING OR MONITORING WELL (DASHED WHERE INFERRED)
- APPROXIMATE GROUNDWATER ELEVATION
- PERCHED GROUNDWATER ELEVATION
- PIEZOMETRIC WATER LEVEL INDICATOR
- TEMPORARY WELL SCREEN
- WELL SCREEN
- SOIL GAS SAMPLE POINT SCREEN

PCE	=	TETRACHLOROETHENE
TCE	=	TRICHLOROETHENE
TCA	=	1,1,1-TRICHLOROETHANE
1,1-DCE	=	1,1-DICHLOROETHENE
1,1-DCA	=	1,1-DICHLOROETHANE
cis-DCE	=	1,2-cis-DICHLOROETHENE
trans-DCE	=	1,2-trans-DICHLOROETHENE
VC	=	VINYL CHLORIDE
ND	=	NOT DETECTED

NOTES

1. GROUND SURFACE AND STRATIGRAPHIC CONTACTS ARE APPROXIMATE AND EXTRAPOLATED FROM NEAREST SOIL BORING DATA.
2. SEE FIGURE 5 FOR LOCATION / ORIENTATION OF THIS GEOLOGIC CROSS SECTION.
3. GROUNDWATER ANALYTICAL DATA REFLECTS MOST RECENT SAMPLE EVENT AS OF AUGUST 2012.
4. DETECTED GROUNDWATER CONCENTRATIONS FOR CONSTITUENTS OF HIGHEST CONCERN ARE PROVIDED IN MICROGRAMS PER LITER.

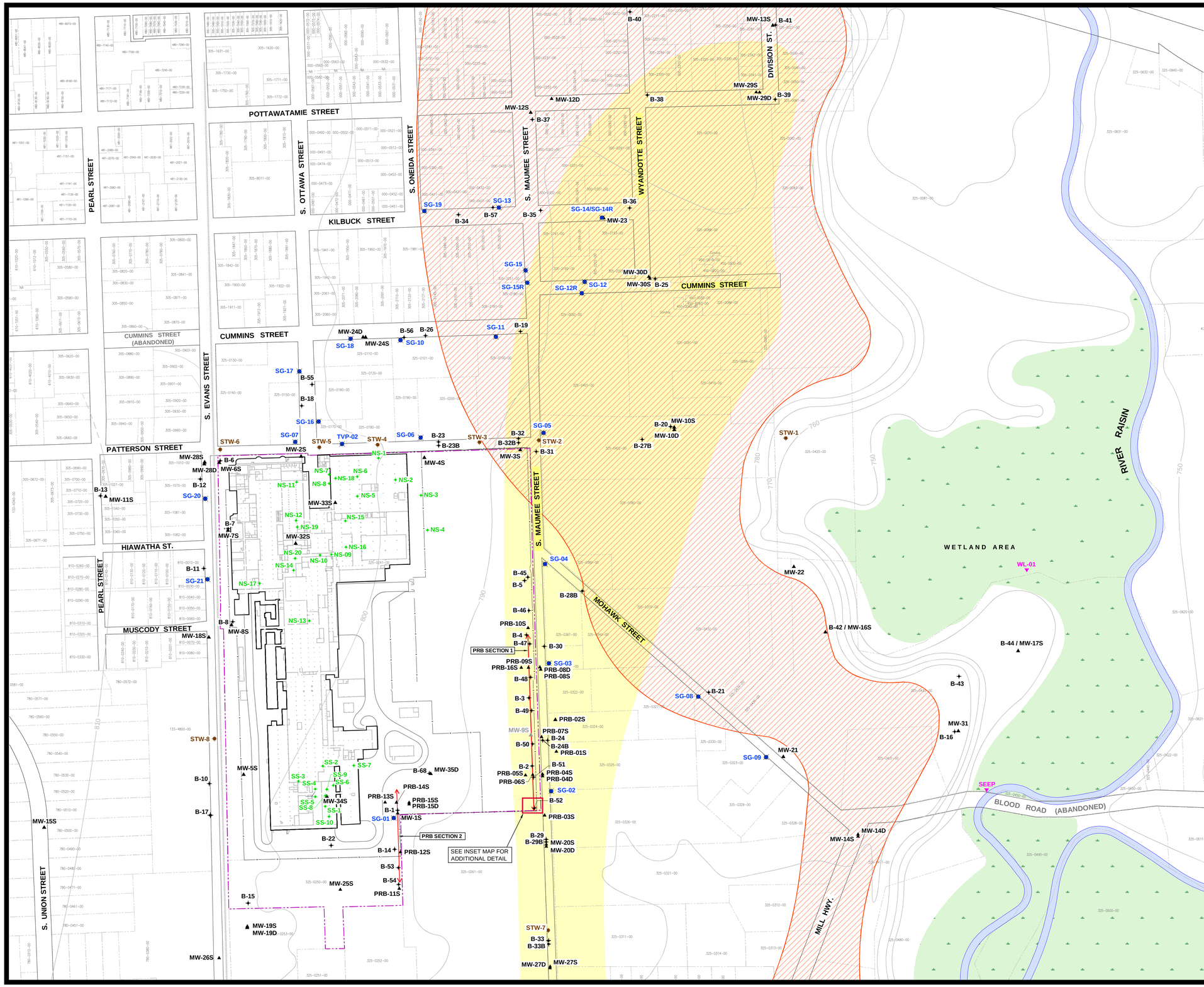
PROJECT:
FORMER TECUMSEH PRODUCTS SITE
TECUMSEH, MICHIGAN

TITLE:
CROSS SECTION F - F'

DRAWN BY: DGS	SCALE:	PROJ. NO. 192013.0000.01	
CHECKED BY: SEM	AS INDICATED	FILE NO. 192013.0000.01.06-11.dwg	
APPROVED BY: GC	DATE PRINTED:	FIGURE 11	
DATE: SEPTEMBER 2012			

TRC
1540 Eisenhower Place
Ann Arbor, MI 48108
Phone: 734.971.7080
Fax: 734.971.9022

PLOT DATA
Drawing Name: J:_TRC\Tecumseh Products\Tecumseh MI\192013\000\01\RI Rpt\192013.0000.01.06-11.dwg
Operator Name: STEHLE, DIANAH
Drawing Plot Scale: 0.386863
Dwg Size: 1.82 Mb
Plot Date: September 26, 2012
Plot Time: 1:54 PM
Attached Xrefs:
Attached Images:
Layout: FIG11 XS F-F

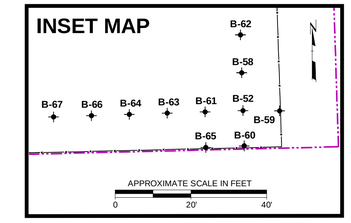


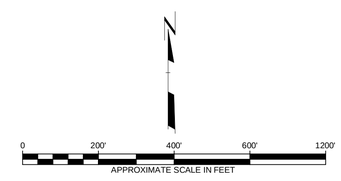
LEGEND

- FORMER TECUMSEH PRODUCTS SITE BOUNDARY
- PARCEL BOUNDARY
- RAILROAD TRACKS (APPROXIMATE LOCATION)
- 750 — APPROXIMATE GROUND TOPOGRAPHY BASED OFF 7.5 MINUTE U.S.G.S. TOPOGRAPHIC QUADRANGLE MAP
- B-2 — PERIMETER / OFF-SITE INVESTIGATION SOIL BORING LOCATION AND NUMBER
- MW-4S — MONITORING WELL LOCATION AND NUMBER
- MW-9S — DECOMMISSIONED MONITORING WELL LOCATION AND NUMBER
- SS-2 — SOURCE AREA INVESTIGATION BORING LOCATION AND NUMBER
- SG-02 — SOIL GAS SAMPLE LOCATION AND NUMBER
- STW-2 — STORM WATER SEWER SAMPLE LOCATION AND NUMBER
- WL-01 — APPROXIMATE SURFACE WATER SAMPLE LOCATION
- SUB-SLAB SOIL GAS SAMPLING NUMBER AND LOCATION
- FLOODPLAIN / WOODED WETLAND AREA
- PRB LOCATION
- FENCE LINE
- APPROXIMATE EXTENT OF INTERMEDIATE CLAY LAYER AND PERCHED GROUNDWATER
- APPROXIMATE EXTENT OF AREA WHERE THE TRUE WATER TABLE IS AT OR NEAR AN OVERLYING CLAY UNIT

NOTES

1. BASE MAP DEVELOPED FROM SITE PLAN PROVIDED BY THE CITY OF TECUMSEH, DRAWING NO. CITY.DWG, MARCH 2009.
2. GROUND TOPOGRAPHY BASED OFF 7.5 MINUTE U.S.G.S TOPOGRAPHIC QUADRANGLE MAP AND GROUND SURVEY DATA.





NO.	BY	DATE	REVISION	APP'D
3				
2				
1				

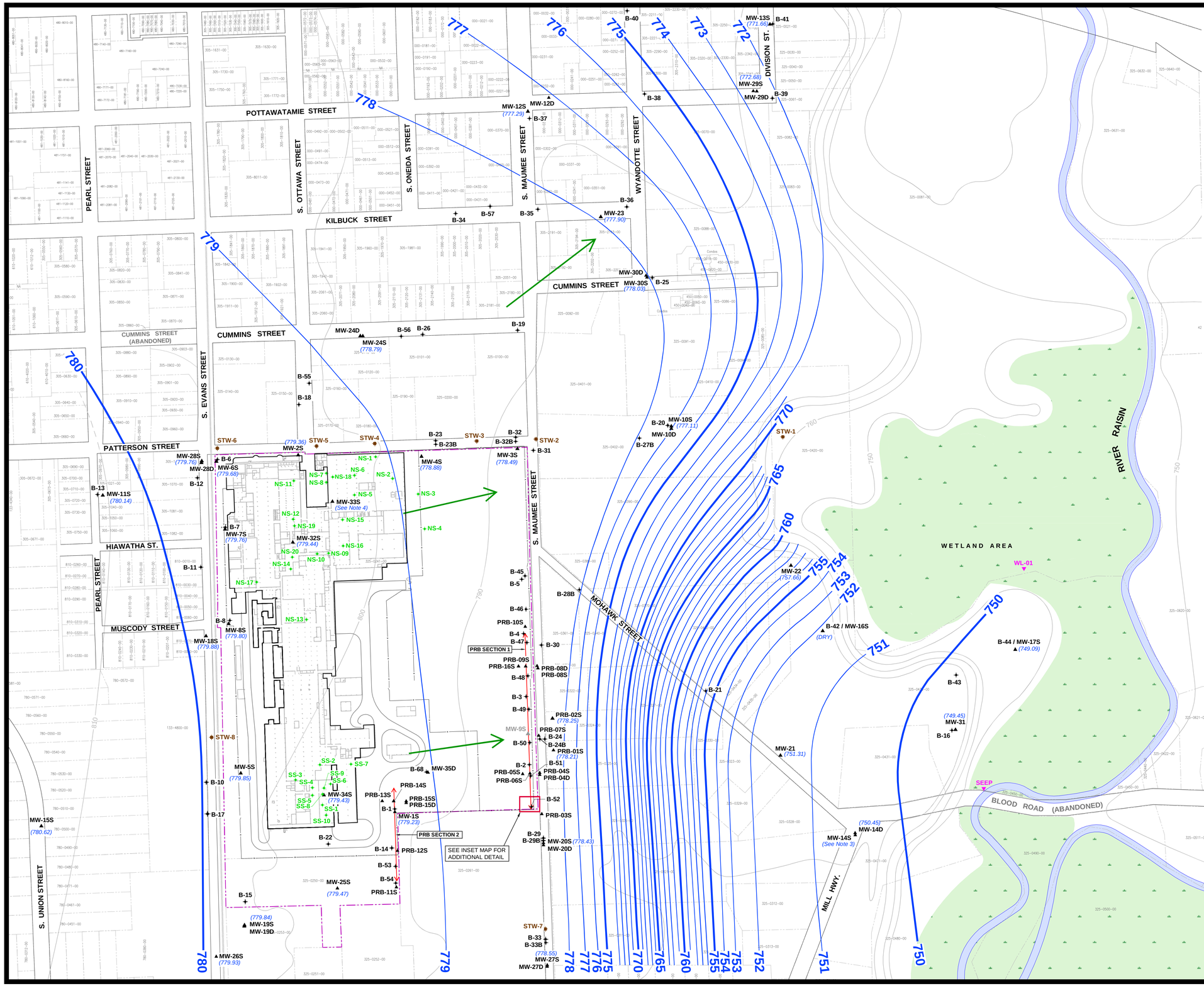
PROJ: **FORMER TECUMSEH PRODUCTS SITE**
TECUMSEH, MICHIGAN

TITLE: **EXTENT OF THE INTERMEDIATE CLAY LAYER**

DRAWN BY: DGS	SCALE: AS INDICATED	PROJ. NO. 192013.0000.01	
CHECKED BY: SEM		FILE NO. 192013.0000.01.12.dwg	
APPROVED BY: GC	DATE PRINTED:	**FIGURE 12**	
DATE: SEPTEMBER 2012			

TRC
1540 Eisenhower Place
Ann Arbor, MI 48108
Phone: 734.971.7080
Fax: 734.971.9022

PLOT DATA
Drawing Name: J:_TRC\Tecumseh Products\Tecumseh MI\192013\0000\01\FIG Rpt\192013.0000.01.12.dwg
Operator Name: STEHLE, DANIAH
Drawing Plot Scale: 0.000000
Attached Xrefs: bm10X10 (Fitted)
Attached Images:
Layout: FIG12 End of Inter Clay
Dwg Size: 2.21 Mb
Plot Date: September 27, 2012
Plot Time: 9:04 AM



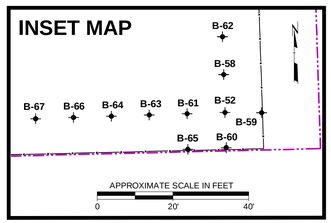
LEGEND

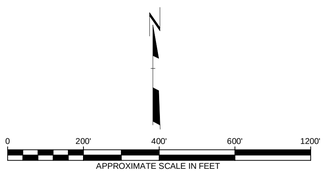
- FORMER TECUMSEH PRODUCTS SITE BOUNDARY
- PARCEL BOUNDARY
- RAILROAD TRACKS (APPROXIMATE LOCATION)
- 750 — APPROXIMATE GROUND TOPOGRAPHY BASED OFF 7.5 MINUTE U.S.G.S. TOPOGRAPHIC QUADRANGLE MAP
- B-2 — PERIMETER / OFF-SITE INVESTIGATION SOIL BORING LOCATION AND NUMBER
- MW-4S — MONITORING WELL LOCATION AND NUMBER
- MW-9S — DECOMMISSIONED MONITORING WELL LOCATION AND NUMBER
- SS-2 — SOURCE AREA INVESTIGATION BORING LOCATION AND NUMBER
- STW-2 — STORM WATER SEWER SAMPLE LOCATION AND NUMBER
- WL-01 — APPROXIMATE SURFACE WATER SAMPLE LOCATION
- FLOODPLAIN / WOODED WETLAND AREA
- PRB LOCATION
- FENCE LINE
- 770 — 5 FOOT GROUNDWATER CONTOUR LINE
- 771 — 1 FOOT GROUNDWATER CONTOUR LINE
- GROUNDWATER FLOW DIRECTION
- (780.42) — GROUNDWATER ELEVATION

NOTES

1. BASE MAP DEVELOPED FROM SITE PLAN PROVIDED BY THE CITY OF TECUMSEH, DRAWING NO. CITY.DWG, MARCH 2009.
2. GROUND TOPOGRAPHY BASED OFF 7.5 MINUTE U.S.G.S TOPOGRAPHIC QUADRANGLE MAP AND GROUND SURVEY DATA.
3. MW-14S IS SCREENED IN A DIFFERENT, PERCHED, WATER BEARING UNIT THAN THE OTHER SHALLOW MONITORING WELLS ON-SITE. THE GROUNDWATER ELEVATION MEASURED AT MW-14D WAS USED TO DEVELOP GROUNDWATER CONTOURS, BECAUSE MW-14D IS SCREENED IN THE DEEPER WATER BEARING UNIT WHICH IS HYDRAULICALLY CONNECTED TO THE SITE.
4. MEASURED DEPTH TO WATER IS ANOMALOUS. DATUM WAS NOT USED.

INSET MAP





NO.	BY	DATE	REVISION	APP'D
3				
2				
1				

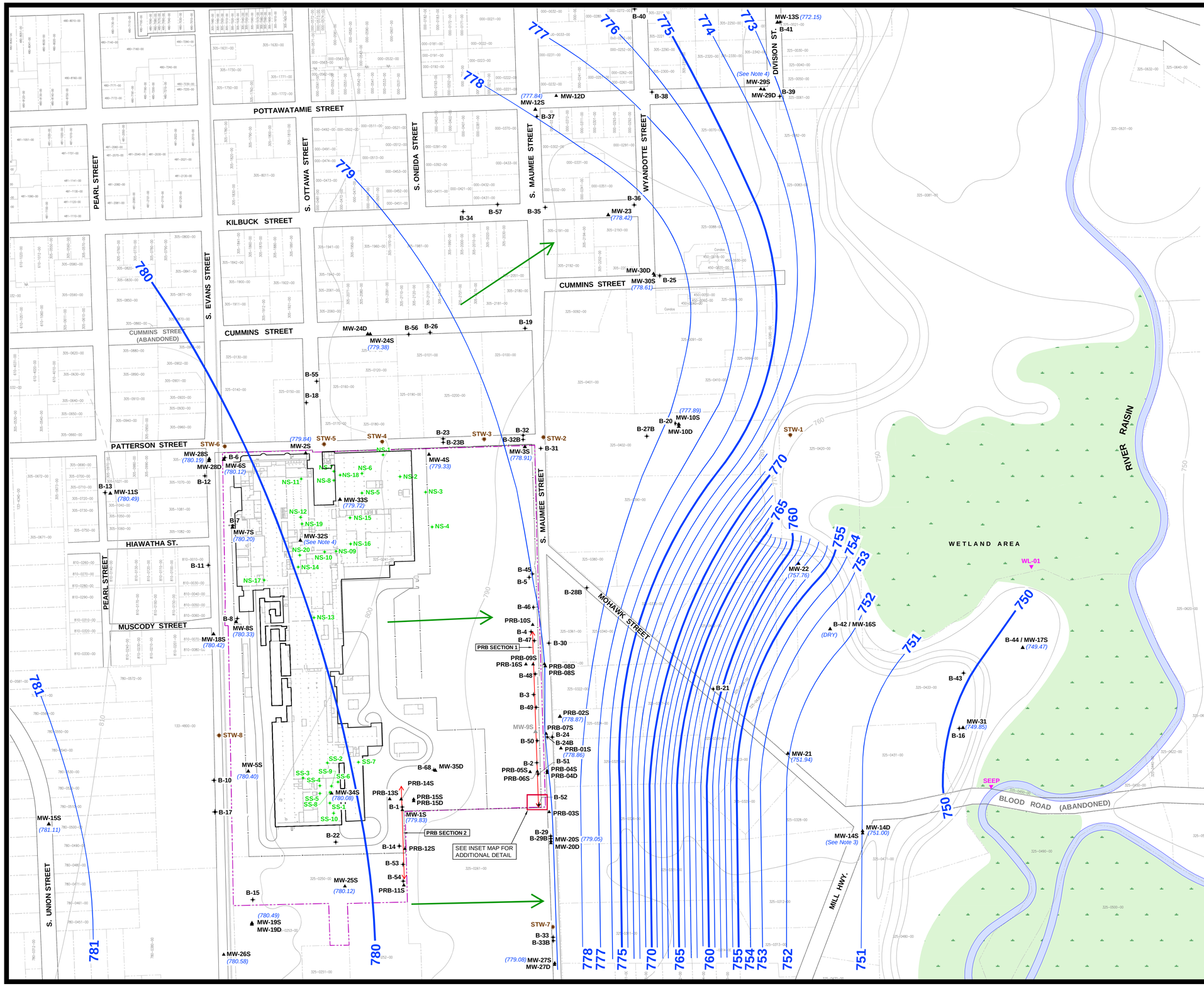
PROJ: FORMER TECUMSEH PRODUCTS SITE
TECUMSEH, MICHIGAN

TITLE: GROUNDWATER CONTOUR MAP
OCTOBER 2011

DRAWN BY: DGS	SCALE: AS INDICATED	PROJ. NO. 192013.0000.01	
CHECKED BY: SEM		FILE NO. 192013.0000.01.13.dwg	
APPROVED BY: GC	DATE PRINTED:	FIGURE 13	
DATE: SEPTEMBER 2012			

TRC
1540 Eisenhower Place
Ann Arbor, MI 48108
Phone: 734.971.7080
Fax: 734.971.9022

PLOT DATA
Drawing Name: J:_TRC\Tecumseh Products\Tecumseh MI\192013000001\FR\ Rpt\192013.0000.01.13.dwg
Operator Name: STEVE SEMANH
Drawing Origin Scale: 0.00000
Attached Xref's: bm100110 (Rfwd)
Attached Images:
Layers: FR2013 GW Cont Oct 2011
Dwg Size: 0.72 Mb
Plot Date: September 28, 2012
Plot Time: 3:14:18

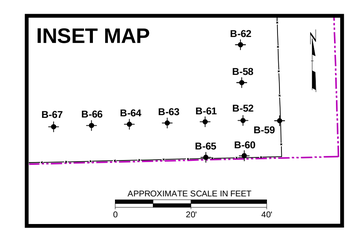


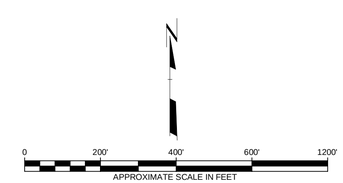
LEGEND

- FORMER TECUMSEH PRODUCTS SITE BOUNDARY
- PARCEL BOUNDARY
- RAILROAD TRACKS (APPROXIMATE LOCATION)
- 750 — APPROXIMATE GROUND TOPOGRAPHY BASED OFF 7.5 MINUTE U.S.G.S. TOPOGRAPHIC QUADRANGLE MAP
- B-2 — PERIMETER / OFF-SITE INVESTIGATION SOIL BORING LOCATION AND NUMBER
- MW-4S — MONITORING WELL LOCATION AND NUMBER
- MW-9S — DECOMMISSIONED MONITORING WELL LOCATION AND NUMBER
- SS-2 — SOURCE AREA INVESTIGATION BORING LOCATION AND NUMBER
- STW-2 — STORM WATER SEWER SAMPLE LOCATION AND NUMBER
- WL-01 — APPROXIMATE SURFACE WATER SAMPLE LOCATION
- FLOODPLAIN / WOODED WETLAND AREA
- PRB LOCATION
- FENCE LINE
- 770 — 5 FOOT GROUNDWATER CONTOUR LINE
- 771 — 1 FOOT GROUNDWATER CONTOUR LINE
- GROUNDWATER FLOW DIRECTION
- (779.08) — GROUNDWATER ELEVATION

NOTES

1. BASE MAP DEVELOPED FROM SITE PLAN PROVIDED BY THE CITY OF TECUMSEH, DRAWING NO. CITY.DWG, MARCH 2009.
2. GROUND TOPOGRAPHY BASED OFF 7.5 MINUTE U.S.G.S TOPOGRAPHIC QUADRANGLE MAP AND GROUND SURVEY DATA.
3. MW-14S IS SCREENED IN A DIFFERENT, PERCHED, WATER BEARING UNIT THAN THE OTHER SHALLOW MONITORING WELLS ON-SITE. THE GROUNDWATER ELEVATION MEASURED AT MW-14D WAS USED TO DEVELOP GROUNDWATER CONTOURS, BECAUSE MW-14D IS SCREENED IN THE DEEPER WATER BEARING UNIT WHICH IS HYDRAULICALLY CONNECTED TO THE SITE.
4. MEASURED DEPTH TO WATER IS ANOMALOUS. DATUM WAS NOT USED.





NO.	BY	DATE	REVISION	APP'D
3				
2				
1				

PROJ:

FORMER TECUMSEH PRODUCTS SITE
TECUMSEH, MICHIGAN

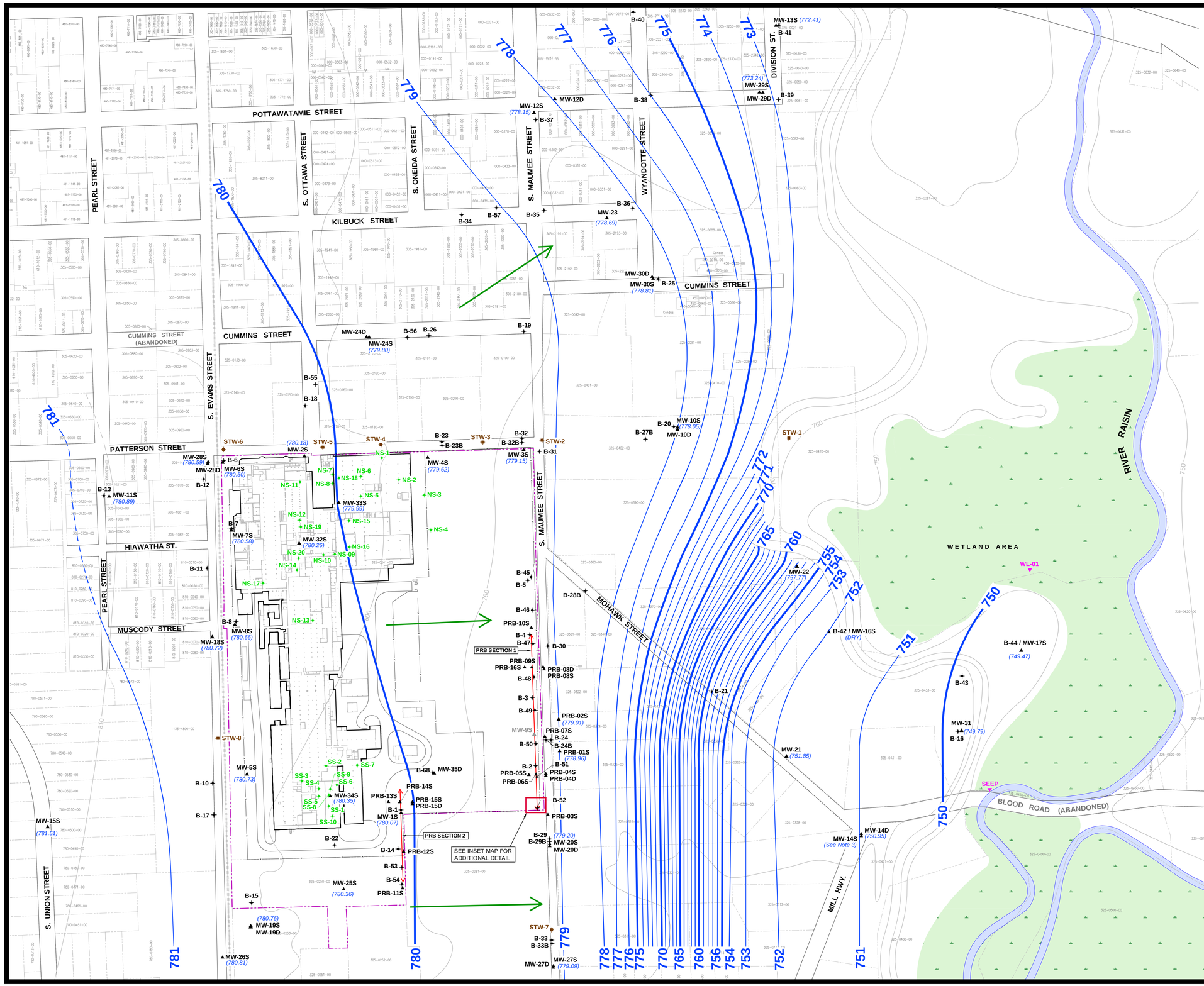
TITLE:

GROUNDWATER CONTOUR MAP
JANUARY 2012

DRAWN BY: DGS	SCALE:	PROJ. NO.	192013.0000.01
CHECKED BY: SEM	AS INDICATED	FILE NO.	192013.0000.01.14.dwg
APPROVED BY: GC	DATE PRINTED:		FIGURE 14
DATE: SEPTEMBER 2012			

TRC
1540 Eisenhower Place
Ann Arbor, MI 48108
Phone: 734.971.7080
Fax: 734.971.9022

PLOT DATA
Drawing Name: J:_TRC\Tecumseh Products\Tecumseh MI\192013\0000\01\R\Rpt\192013.0000.01.14.dwg
Operator Name: STRILE, DIANAH
Drawing Scale: 1:24000
Drawing Size: 0.79 Mb
Plot Date: September 26, 2012
Plot Time: 9:28:16
Attached Xref's: bm100110 (Filed)
Attached Images:
Layers: F0014 GW Cont Jan 2012



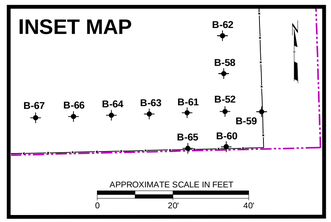
LEGEND

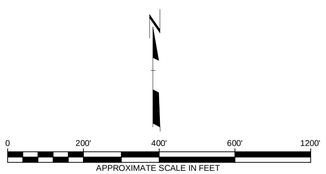
- FORMER TECUMSEH PRODUCTS SITE BOUNDARY
- PARCEL BOUNDARY
- RAILROAD TRACKS (APPROXIMATE LOCATION)
- 750 — APPROXIMATE GROUND TOPOGRAPHY BASED OFF 7.5 MINUTE U.S.G.S. TOPOGRAPHIC QUADRANGLE MAP
- B-2 + PERIMETER / OFF-SITE INVESTIGATION SOIL BORING LOCATION AND NUMBER
- MW-4S ▲ MONITORING WELL LOCATION AND NUMBER
- MW-9S ▲ DECOMMISSIONED MONITORING WELL LOCATION AND NUMBER
- SS-2 + SOURCE AREA INVESTIGATION BORING LOCATION AND NUMBER
- STW-2 ◆ STORM WATER SEWER SAMPLE LOCATION AND NUMBER
- WL-01 ▼ APPROXIMATE SURFACE WATER SAMPLE LOCATION
- FLOODPLAIN / WOODED WETLAND AREA
- PRB LOCATION
- FENCE LINE
- 770 — 5 FOOT GROUNDWATER CONTOUR LINE
- 771 — 1 FOOT GROUNDWATER CONTOUR LINE
- GROUNDWATER FLOW DIRECTION
- (750.95) GROUNDWATER ELEVATION

NOTES

1. BASE MAP DEVELOPED FROM SITE PLAN PROVIDED BY THE CITY OF TECUMSEH, DRAWING NO. CITY.DWG, MARCH 2009.
2. GROUND TOPOGRAPHY BASED OFF 7.5 MINUTE U.S.G.S TOPOGRAPHIC QUADRANGLE MAP AND GROUND SURVEY DATA.
3. MW-14S IS SCREENED IN A DIFFERENT, PERCHED, WATER BEARING UNIT THAN THE OTHER SHALLOW MONITORING WELLS ON-SITE. THE GROUNDWATER ELEVATION MEASURED AT MW-14D WAS USED TO DEVELOP GROUNDWATER CONTOURS, BECAUSE MW-14D IS SCREENED IN THE DEEPER WATER BEARING UNIT WHICH IS HYDRAULICALLY CONNECTED TO THE SITE.

INSET MAP





NO.	BY	DATE	REVISION	APP'D
3				
2				
1				

PROJ: **FORMER TECUMSEH PRODUCTS SITE**
TECUMSEH, MICHIGAN

TITLE: **GROUNDWATER CONTOUR MAP**
APRIL 2012

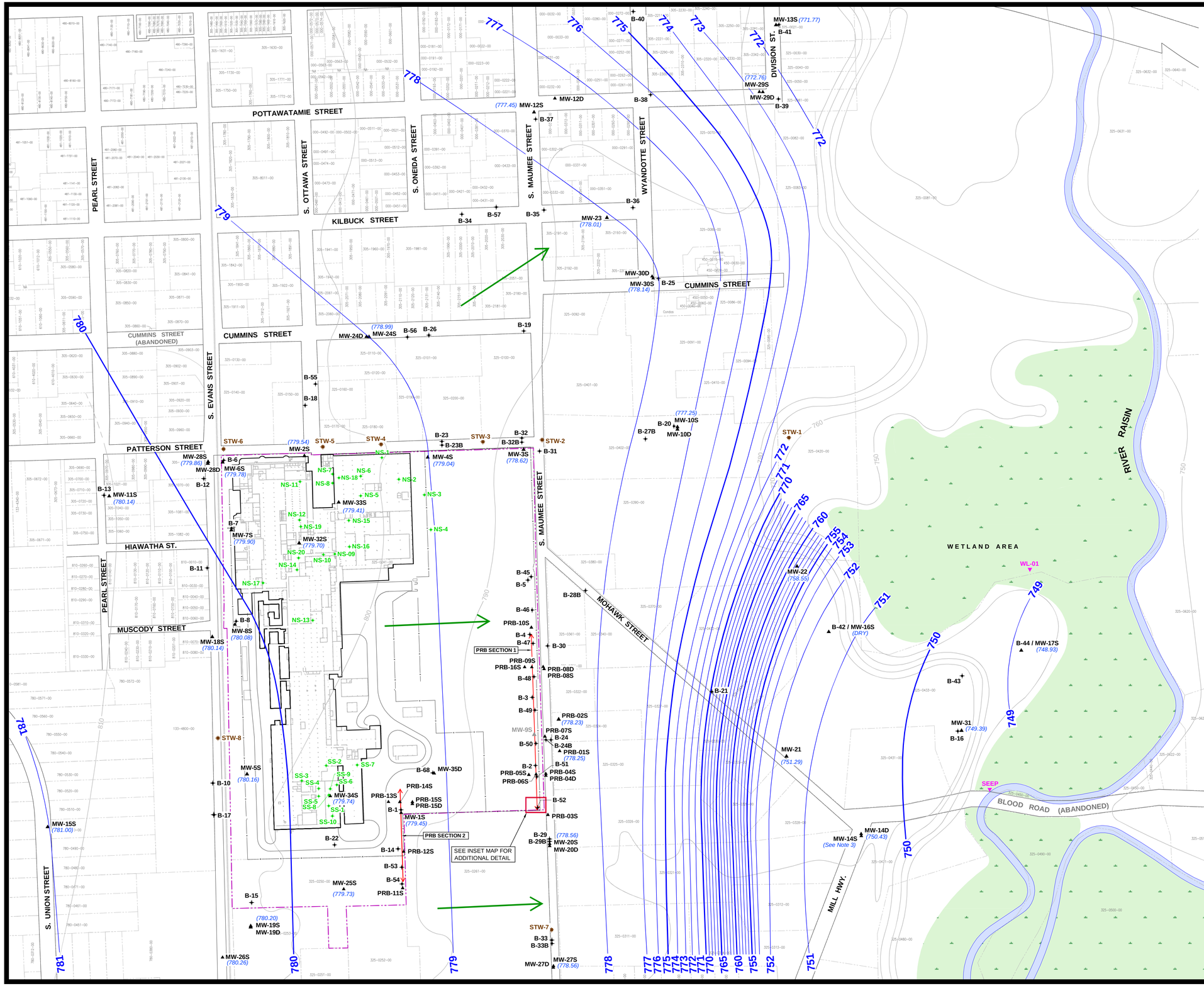
DRAWN BY:	DGS	SCALE:	AS INDICATED
CHECKED BY:	SEM		
APPROVED BY:	GC	DATE PRINTED:	
DATE:	SEPTEMBER 2012		

PROJ. NO.: 192013.0000.01
FILE NO.: 192013.0000.01.15.dwg

FIGURE 15

TRC
1540 Eisenhower Place
Ann Arbor, MI 48108
Phone: 734.971.7080
Fax: 734.971.9022

PLOT DATA
Drawing Name: J:_TRC\Tecumseh Products\Tecumseh MI\192013\0000\01\R\192013.0000.01.15.dwg
Operator Name: STEHLE, DIANAH
Drawing File Name: 0.dwg
Dwg Size: 0.92 Mb
Plot Date: September 27, 2012
Plot Time: 12:48 PM
Attached Xrefs: bm100110 (Fixed)
Attached Images:
Layout: FIG15 GW Cont Apr 2012


POTTAWATAMIE STREET
PEARL STREET
S. OTTAWA STREET
S. ONEIDA STREET
S. MAUMEE STREET
WYANDOTTE STREET
DIVISION ST.
KILBUCK STREET
CUMMINS STREET
CUMMINS STREET (ABANDONED)
S. EVANS STREET
PATTERSON STREET
HIAWATHA ST.
MUSCODY STREET
S. UNION STREET
MOHAWK STREET
MILL HWY.
BLOOD ROAD (ABANDONED)
RIVER RAISIN
WETLAND AREA
SEE INSET MAP FOR ADDITIONAL DETAIL
PRB SECTION 1
PRB SECTION 2
MW-13S (771.77)
MW-29S (772.76)
MW-12S (777.45)
MW-23 (778.01)
MW-30S (778.14)
MW-24D (778.99)
MW-24S
MW-2S (779.54)
MW-28S (779.86)
MW-6S (779.78)
MW-4S (779.04)
MW-3S (778.62)
MW-33S (779.41)
MW-7S (779.90)
MW-32S (779.70)
MW-11S (780.14)
MW-8S (780.08)
MW-18S (780.14)
MW-15S (781.00)
MW-34S (779.74)
MW-1S (779.45)
MW-25S (779.73)
MW-19S (780.20)
MW-26S (780.26)
MW-27S (778.56)
MW-20S (778.56)
MW-10S (777.25)
MW-22 (758.55)
MW-42 / MW-16S (DRY)
MW-44 / MW-17S (748.93)
MW-31 (749.39)
MW-21 (751.29)
MW-14S (See Note 3)
MW-14D (750.43)
WL-01
SEEP
STW-1
STW-2
STW-3
STW-4
STW-5
STW-6
STW-7
STW-8
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SS-7
SS-8
SS-9
SS-10
PRB-10S
PRB-09S
PRB-16S
PRB-08D
PRB-08S
PRB-02S (778.23)
PRB-07S
PRB-01S (778.25)
PRB-05S
PRB-06S
PRB-04S
PRB-04D
PRB-03S
PRB-14S
PRB-13S
PRB-15S
PRB-15D
PRB-12S
PRB-11S
MW-9S
MW-20D (778.56)
MW-27D
MW-33D
MW-35D
MW-12D
MW-30D
MW-10D
MW-29D
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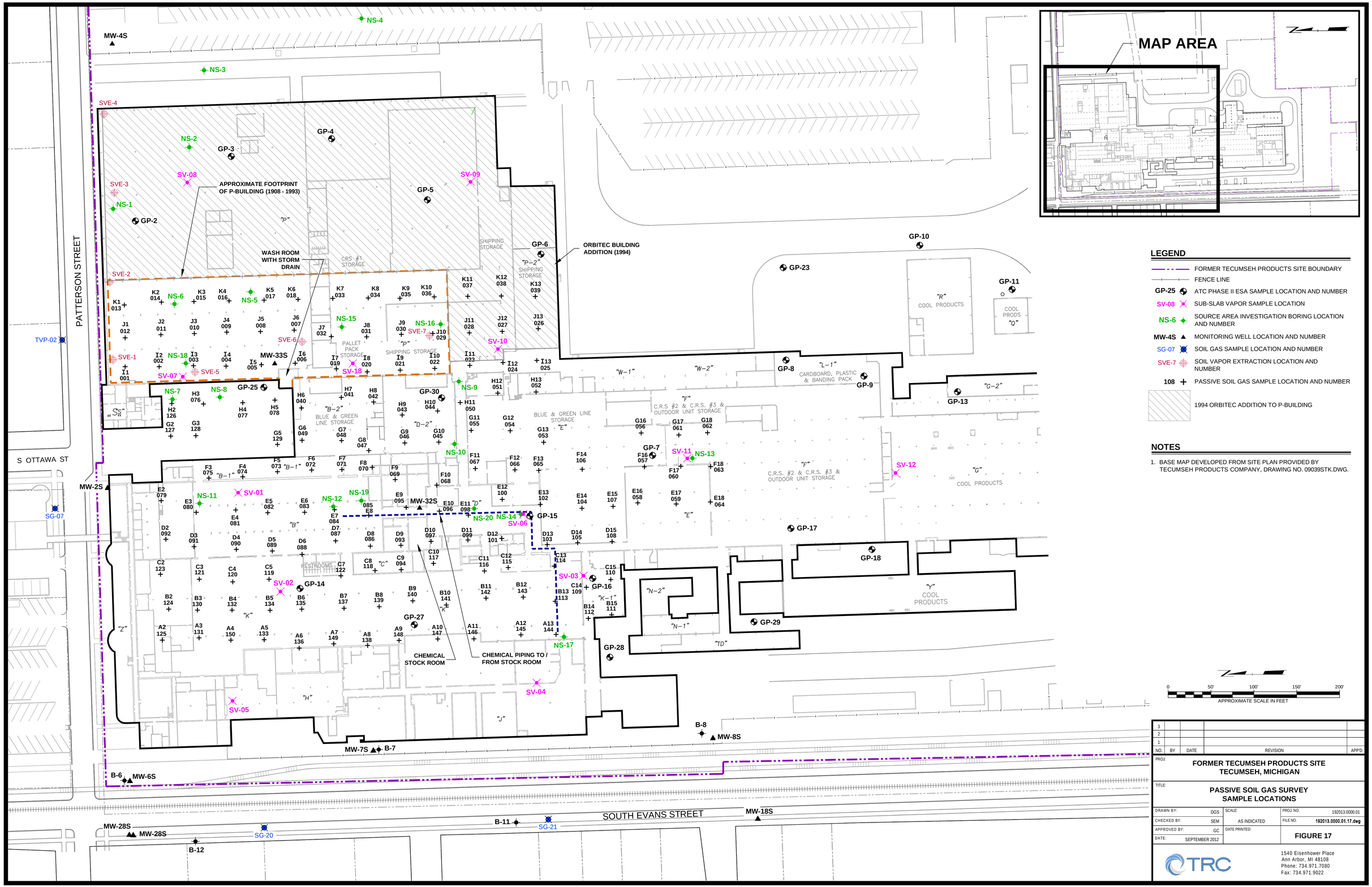
B-73



LEGEND

- FORMER TECUMSEH PRODUCTS SITE BOUNDARY
- FENCE LINE
- GP-25 — ATC PHASE II ESA SAMPLE LOCATION AND NUMBER
- SV-08 — SUB-SLAB VAPOR SAMPLE LOCATION
- NS-6 — SOURCE AREA INVESTIGATION BORING LOCATION AND NUMBER
- MW-4S — MONITORING WELL LOCATION AND NUMBER
- SG-07 — SOIL GAS SAMPLE LOCATION AND NUMBER
- SVE-7 — SOIL VAPOR EXTRACTION LOCATION AND NUMBER
- 108 — PASSIVE SOIL GAS SAMPLE LOCATION AND NUMBER
- 1994 ORBITEC ADDITION TO P-BUILDING

NOTES

1. BASE MAP DEVELOPED FROM SITE PLAN PROVIDED BY TECUMSEH PRODUCTS COMPANY, DRAWING NO. 09039STK.DWG.

NO.	BY	DATE	REVISION	APP'D
3				
2				
1				

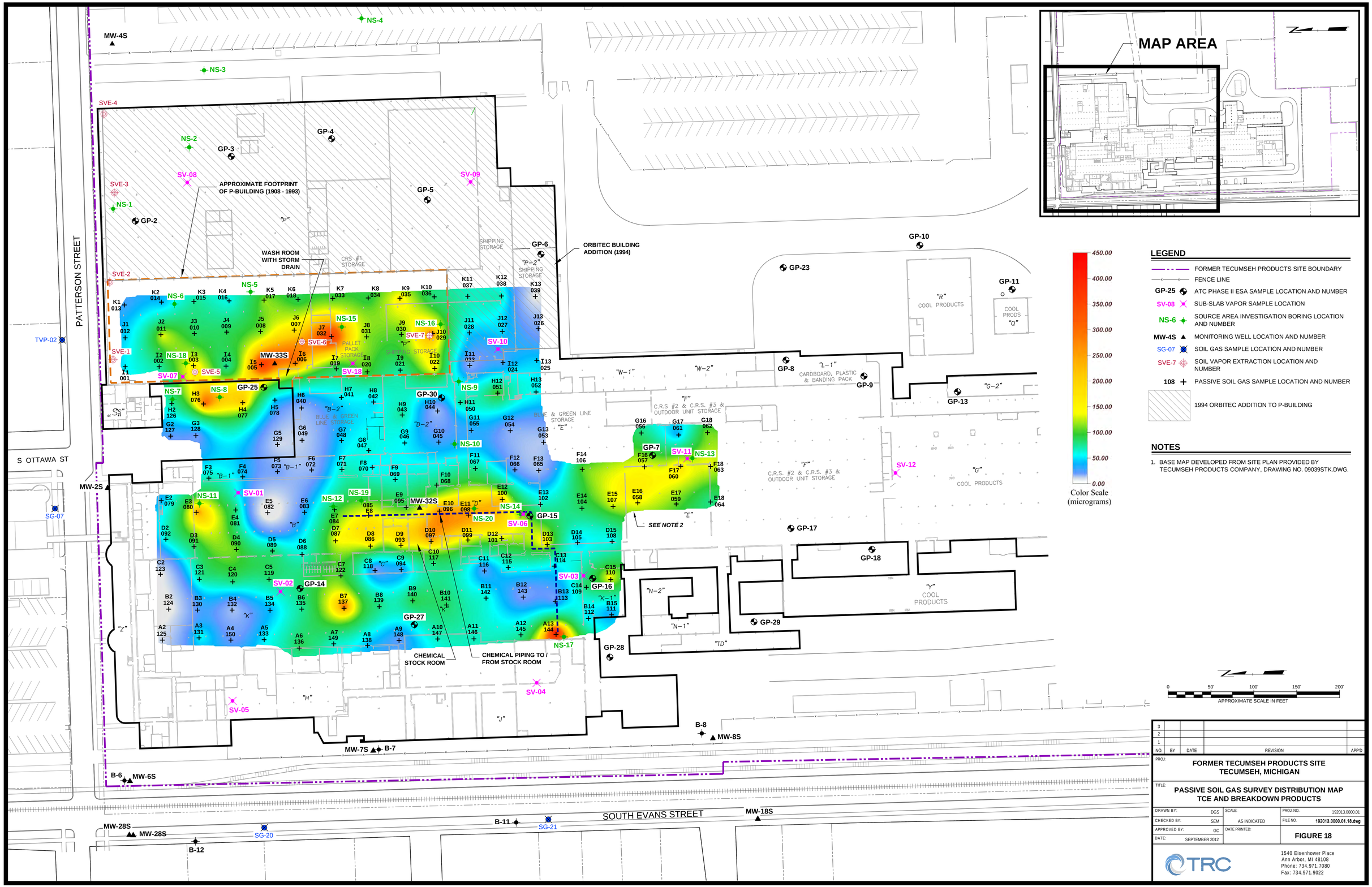
PROJ: FORMER TECUMSEH PRODUCTS SITE
TECUMSEH, MICHIGAN

TITLE: PASSIVE SOIL GAS SURVEY
SAMPLE LOCATIONS

DRAWN BY: DGS	SCALE: AS INDICATED	PROJ. NO. 192013.0000.01	
CHECKED BY: SEM		FILE NO. 192013.0000.01.17.dwg	
APPROVED BY: GC	DATE PRINTED:	FIGURE 17	
DATE: SEPTEMBER 2012			

TRC
1540 Eisenhower Place
Ann Arbor, MI 48108
Phone: 734.971.7080
Fax: 734.971.9022

PLOT DATA
Drawing Name: J:_TRC\Tecumseh Products\Tecumseh MI\192013\0000\01\TR\ Rpt\192013.0000.01.17.dwg
Operator Name: STEHLE, DIANAH
Drawing Date/Scale: 09/28/2012
Attached Xref's: Bldg Columns; TPC Plant Area
Attached Images: Beacon TCE-Color Scale; Beacon TCE Contour Image; Beacon TCE-Bitch Color Scale; Beacon TCE-Bitch Contour Image;
Layers: 192013-Samples
Dwg Size: 2.19 Mb
Plot Date: September 28, 2012
Plot Time: 7:26 AM



LEGEND

- FORMER TECUMSEH PRODUCTS SITE BOUNDARY
- FENCE LINE
- GP-25 — ATC PHASE II ESA SAMPLE LOCATION AND NUMBER
- SV-08 — SUB-SLAB VAPOR SAMPLE LOCATION
- NS-6 — SOURCE AREA INVESTIGATION BORING LOCATION AND NUMBER
- MW-4S — MONITORING WELL LOCATION AND NUMBER
- SG-07 — SOIL GAS SAMPLE LOCATION AND NUMBER
- SVE-7 — SOIL VAPOR EXTRACTION LOCATION AND NUMBER
- 108 — PASSIVE SOIL GAS SAMPLE LOCATION AND NUMBER
- 1994 ORBITEC ADDITION TO P-BUILDING

NOTES

1. BASE MAP DEVELOPED FROM SITE PLAN PROVIDED BY TECUMSEH PRODUCTS COMPANY, DRAWING NO. 09039STK.DWG.

NO.	BY	DATE	REVISION	APP'D
3				
2				
1				

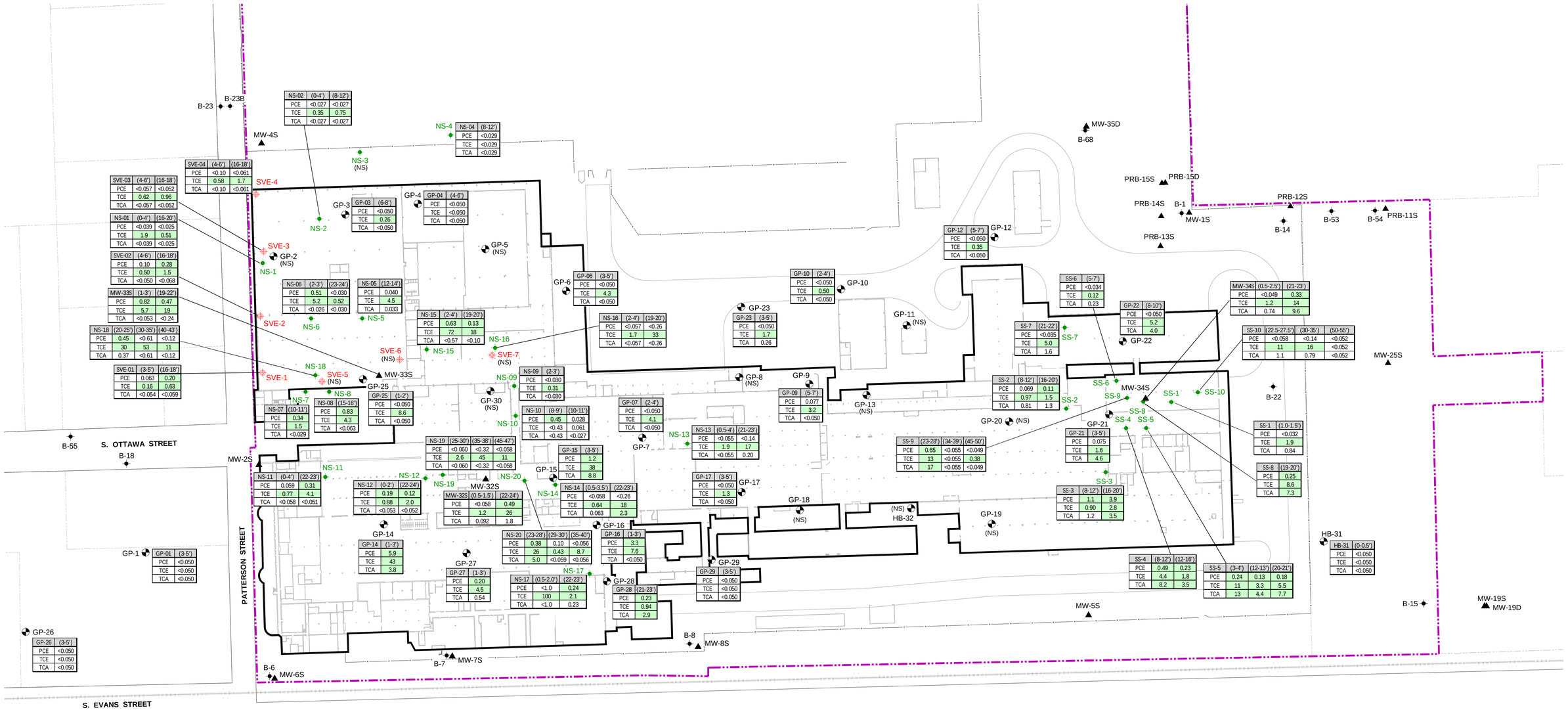
PROJ: FORMER TECUMSEH PRODUCTS SITE
TECUMSEH, MICHIGAN

TITLE: PASSIVE SOIL GAS SURVEY DISTRIBUTION MAP
TCE AND BREAKDOWN PRODUCTS

DRAWN BY:	DGS	SCALE:	AS INDICATED	PROJ. NO.	192013.0000.01
CHECKED BY:	SEM			FILE NO.	192013.0000.01.18.dwg
APPROVED BY:	GC	DATE PRINTED:		FIGURE 18	
DATE:	SEPTEMBER 2012				

TRC
1540 Eisenhower Place
Ann Arbor, MI 48108
Phone: 734.971.7080
Fax: 734.971.9022

PLOT DATA
Drawing Name: J:_TRC\Tecumseh Products\Tecumseh MI\192013\0000\01\R\ Rpt\192013.0000.01.18.dwg
Operator Name: STEHLE, DANAH
Drawing Date/Scale: 09/28/2012
Attached Xrefs: Bldg Columns; TPC Plant Area
Attached Images: Beacon TCE Color Scale; Beacon TCE Contour Image; Beacon TCE-Bifuch Color Scale; Beacon TCE-Bifuch Contour Image;
Layout: 192013.0000.01.18
Dwg Size: 2.13 Mb
Plot Date: September 28, 2012
Plot Time: 7:00 AM



NS-02	(0-4')	(8-12')
PCE	<0.027	<0.027
TCE	0.35	0.75
TCA	<0.027	<0.027

NS-04	(8-12')
PCE	<0.029
TCE	<0.029
TCA	<0.029

SVE-04	(4-6')	(16-18')
PCE	<0.10	<0.061
TCE	0.58	1.7
TCA	<0.10	<0.061

SVE-03	(4-6')	(16-18')
PCE	<0.057	<0.052
TCE	0.62	0.96
TCA	<0.057	<0.052

NS-01	(0-4')	(16-20')
PCE	<0.039	<0.025
TCE	1.9	0.51
TCA	<0.039	<0.025

SVE-02	(4-6')	(16-18')
PCE	0.10	0.28
TCE	0.50	1.5
TCA	<0.050	<0.068

MW-33S	(1-3')	(19-22')
PCE	0.82	0.47
TCE	5.7	19
TCA	<0.053	<0.24

NS-18	(20-25')	(30-35')	(40-43')
PCE	0.45	<0.61	<0.12
TCE	30	53	11
TCA	0.37	<0.61	<0.12

SVE-01	(3-5')	(16-18')
PCE	0.063	0.20
TCE	0.16	0.63
TCA	<0.054	<0.059

GP-03	(6-8')
PCE	<0.050
TCE	0.26
TCA	<0.050

GP-04	(4-6')
PCE	<0.050
TCE	<0.050
TCA	<0.050

NS-06	(2-3')	(23-24')
PCE	0.51	<0.030
TCE	5.2	0.52
TCA	<0.026	<0.030

NS-05	(12-14')
PCE	0.040
TCE	4.5
TCA	0.033

NS-15	(2-4')	(19-20')
PCE	0.63	0.13
TCE	72	18
TCA	<0.57	<0.10

GP-06	(3-5')
PCE	<0.050
TCE	4.3
TCA	<0.050

NS-16	(2-4')	(19-20')
PCE	<0.057	<0.26
TCE	1.7	33
TCA	<0.057	<0.26

GP-10	(2-4')
PCE	<0.050
TCE	0.50
TCA	<0.050

GP-23	(3-5')
PCE	<0.050
TCE	1.7
TCA	0.26

GP-12	(5-7')
PCE	<0.050
TCE	0.35
TCA	<0.050

SS-6	(5-7')
PCE	<0.034
TCE	0.12
TCA	0.23

GP-22	(8-10')
PCE	<0.050
TCE	5.2
TCA	4.0

MW-34S	(0.5-2.5')	(21-23')
PCE	<0.049	0.33
TCE	1.2	14
TCA	0.74	9.6

SS-7	(21-22')
PCE	<0.035
TCE	5.0
TCA	1.6

SS-10	(22.5-27.5')	(30-35')	(50-55')
PCE	<0.058	<0.14	<0.052
TCE	11	16	<0.052
TCA	1.1	0.79	<0.052

NS-09	(2-3')
PCE	<0.030
TCE	0.31
TCA	<0.030

GP-09	(5-7')
PCE	0.077
TCE	3.2
TCA	<0.050

SS-2	(8-12')	(16-20')
PCE	0.069	0.11
TCE	0.97	1.5
TCA	0.81	1.3

GP-25	(1-2')
PCE	<0.050
TCE	8.6
TCA	<0.050

NS-08	(15-16')
PCE	0.83
TCE	4.3
TCA	<0.063

NS-07	(10-11')
PCE	0.34
TCE	1.5
TCA	<0.029

NS-10	(8-9')	(10-11')
PCE	0.45	0.028
TCE	<0.43	0.061
TCA	<0.43	<0.027

GP-07	(2-4')
PCE	<0.050
TCE	4.1
TCA	<0.050

SS-1	(1.0-1.5')
PCE	<0.032
TCE	1.9
TCA	0.84

SS-9	(23-28')	(34-39')	(45-50')
PCE	0.65	<0.055	<0.049
TCE	13	<0.055	0.38
TCA	17	<0.055	<0.049

GP-21	(3-5')
PCE	0.075
TCE	1.6
TCA	4.6

NS-19	(25-30')	(35-38')	(45-47')
PCE	<0.060	<0.32	<0.058
TCE	2.6	45	11
TCA	<0.060	<0.32	<0.058

GP-15	(3-5')
PCE	1.2
TCE	38
TCA	8.8

NS-13	(0.5-4')	(21-23')
PCE	<0.055	<0.14
TCE	1.9	17
TCA	<0.055	0.20

SS-8	(19-20')
PCE	0.25
TCE	8.6
TCA	7.3

NS-11	(0-4')	(22-23')
PCE	0.059	0.31
TCE	0.77	4.1
TCA	<0.058	<0.051

NS-12	(0-2')	(22-24')
PCE	0.19	0.12
TCE	0.88	2.0
TCA	<0.053	<0.052

MW-32S	(0.5-1.5')	(22-24')
PCE	<0.058	0.49
TCE	1.2	26
TCA	0.092	1.8

NS-14	(0.5-3.5')	(22-23')
PCE	<0.058	<0.26
TCE	0.64	18
TCA	0.063	2.3

GP-17	(3-5')
PCE	<0.050
TCE	1.3
TCA	<0.050

SS-3	(8-12')	(16-20')
PCE	1.1	3.9
TCE	0.90	2.8
TCA	1.2	3.5

GP-01	(3-5')
PCE	<0.050
TCE	<0.050
TCA	<0.050

GP-14	(1-3')
PCE	5.9
TCE	43
TCA	3.8

NS-20	(23-28')	(29-30')	(35-40')
PCE	0.38	0.10	<0.056
TCE	26	0.43	8.7
TCA	5.0	<0.059	<0.056

GP-16	(1-3')
PCE	3.3
TCE	7.6
TCA	<0.050

GP-27	(1-3')
PCE	0.20
TCE	4.5
TCA	0.54

NS-17	(0.5-2.0')	(22-23')
PCE	<1.0	0.24
TCE	100	2.1
TCA	<1.0	0.23

GP-28	(21-23')
PCE	0.23
TCE	0.94
TCA	2.9

GP-29	(3-5')
PCE	<0.050
TCE	<0.050
TCA	<0.050

SS-4	(8-12')	(12-16')
PCE	0.49	0.23
TCE	4.4	1.8
TCA	8.2	3.5

SS-5	(3-4')	(12-13')	(20-21')
PCE	0.24	0.13	0.18
TCE	11	3.3	5.5
TCA	13	4.4	7.7

HB-31	(0-0.5')
PCE	<0.050
TCE	<0.050
TCA	<0.050

GP-26	(3-5')
PCE	<0.050
TCE	<0.050
TCA	<0.050

0 80 160 240 320

APPROXIMATE SCALE IN FEET

LEGEND

- FORMER TECUMSEH PRODUCTS SITE BOUNDARY
- PARCEL BOUNDARY
- RAILROAD TRACKS (APPROXIMATE LOCATION)
- FENCE LINE
- B-2 — PERIMETER / OFF-SITE INVESTIGATION SOIL BORING LOCATION AND NUMBER
- MW-4S — MONITORING WELL LOCATION AND NUMBER
- SS-2 — SOURCE AREA INVESTIGATION BORING LOCATION AND NUMBER
- GP-23 — ATC PHASE II ESA BORING NUMBER AND LOCATION
- SVE-4 — SOIL VAPOR EXTRACTION WELL

KEY

SAMPLE LOCATION

	GP-16	(1-3')
TETRACHLOROETHENE	PCE	3.3
TRICHLOROETHENE	TCE	7.6
1,1,1-TRICHLOROETHANE	TCA	<0.050

SAMPLE DEPTH

SAMPLE RESULTS IN mg/kg

BOLD font denotes concentrations detected above laboratory reporting limit.

Green shading denotes concentrations above one or more Michigan Part 201 Cleanup Criteria.

NS = NO SOIL SAMPLE COLLECTED FOR VOCs ANALYSIS

NOTES

1. BASE MAP DEVELOPED FROM SITE PLAN PROVIDED BY THE CITY OF TECUMSEH, DRAWING NO. CITY.DWG, MARCH 2009.
2. GROUND TOPOGRAPHY BASED OFF 7.5 MINUTE U.S.G.S TOPOGRAPHIC QUADRANGLE MAP AND GROUND SURVEY DATA.

NO.	BY	DATE	REVISION	APP'D
3				
2				
1				

PROJECT:

FORMER TECUMSEH PRODUCTS SITE
TECUMSEH, MICHIGAN

TITLE:

DISTRIBUTION OF PARENT COMPOUNDS IN SOIL

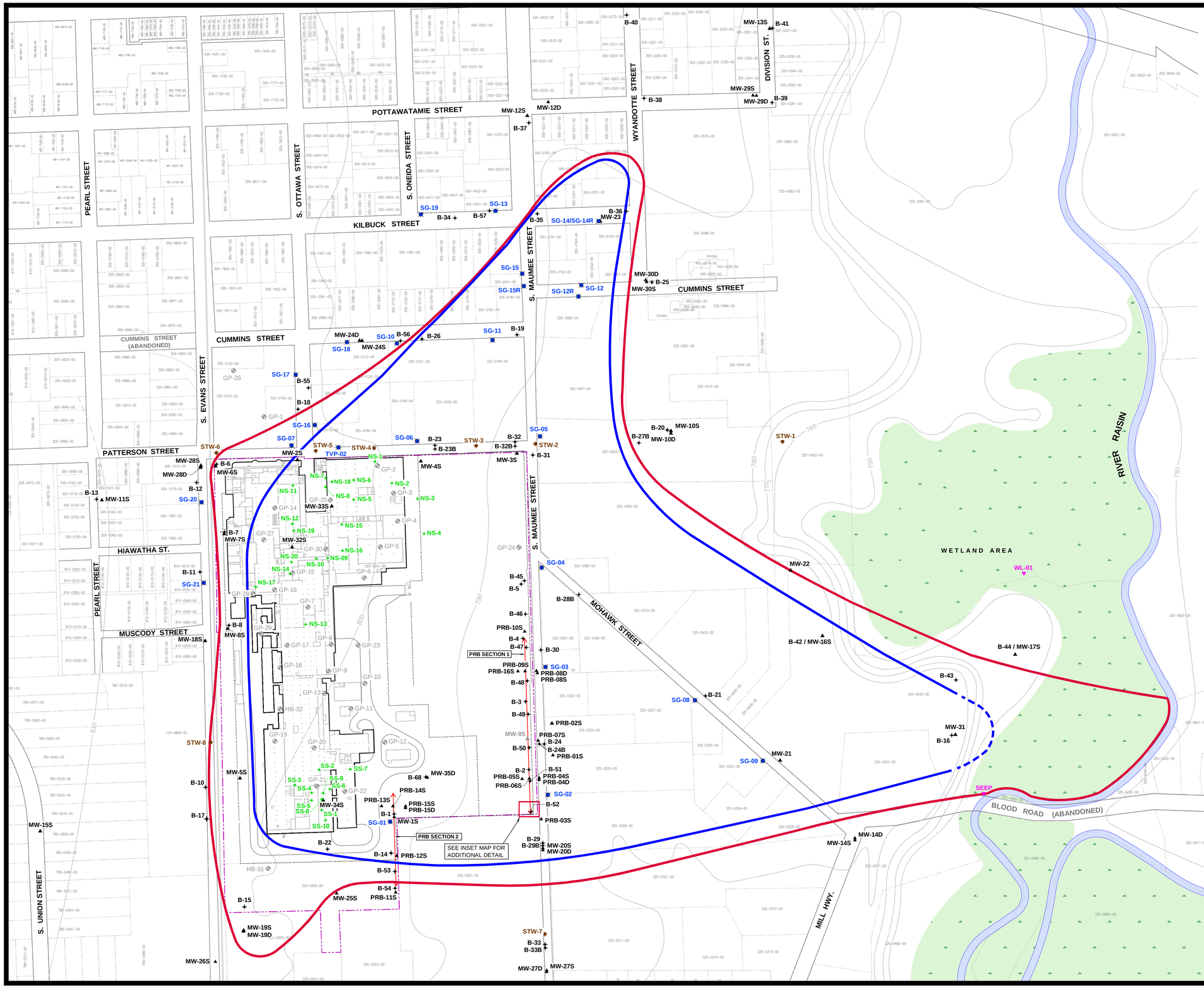
DRAWN BY: DGS	SCALE: AS INDICATED	PROJ. NO. 192013.0000.01	
CHECKED BY: SEM		FILE NO. **192013.0000.01.19.dwg**	
APPROVED BY: GC	DATE PRINTED:	**FIGURE 19**	
DATE: SEPTEMBER 2012			

TRC
1540 Eisenhower Place
Ann Arbor, MI 48108
Phone: 734.971.7080
Fax: 734.971.9022

PLOT DATA
Drawing Name: J:_TRC\Tecumseh Products\Tecumseh MI\192013\0000\01\19\ Rpt\192013.0000.01.19.dwg
Operator Name: STEVE.E.DAHAN
Drawing Top Scale: 1:80000

Dwg Size: 88.88 Mb
Plot Date: September 28, 2012
Plot Time: 9:58 AM

Attached Xref's: bm190110 (Filled)
Attached Image:
Layout: FIG19 Source Area Conc

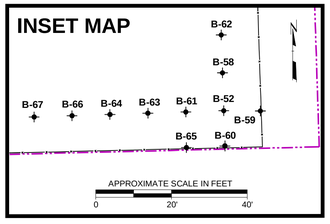


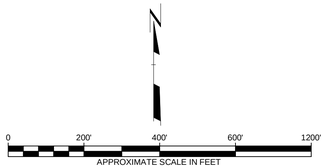
LEGEND

- FORMER TECUMSEH PRODUCTS SITE BOUNDARY
- PARCEL BOUNDARY
- RAILROAD TRACKS (APPROXIMATE LOCATION)
- 750 — APPROXIMATE GROUND TOPOGRAPHY BASED OFF 7.5 MINUTE U.S.G.S. TOPOGRAPHIC QUADRANGLE MAP
- B-2 — PERIMETER / OFF-SITE INVESTIGATION SOIL BORING LOCATION AND NUMBER
- MW-4S — MONITORING WELL LOCATION AND NUMBER
- MW-9S — DECOMMISSIONED MONITORING WELL LOCATION AND NUMBER
- SS-2 — SOURCE AREA INVESTIGATION BORING LOCATION AND NUMBER
- SG-02 — SOIL GAS SAMPLE LOCATION AND NUMBER
- STW-2 — STORM WATER SEWER SAMPLE LOCATION AND NUMBER
- WL-01 — APPROXIMATE SURFACE WATER SAMPLE LOCATION
- FLOODPLAIN / WOODED WETLAND AREA
- PRB LOCATION
- FENCE LINE
- EXTENT OF VOCs ABOVE PART 201 DRINKING WATER CRITERIA
- EXTENT OF VOCs ABOVE PART 201 GSI CRITERIA

NOTES

1. BASE MAP DEVELOPED FROM SITE PLAN PROVIDED BY THE CITY OF TECUMSEH, DRAWING NO. CITY.DWG, MARCH 2009.
2. GROUND TOPOGRAPHY BASED OFF 7.5 MINUTE U.S.G.S TOPOGRAPHIC QUADRANGLE MAP AND GROUND SURVEY DATA.





NO.	BY	DATE	REVISION	APP'D
3				
2				
1				

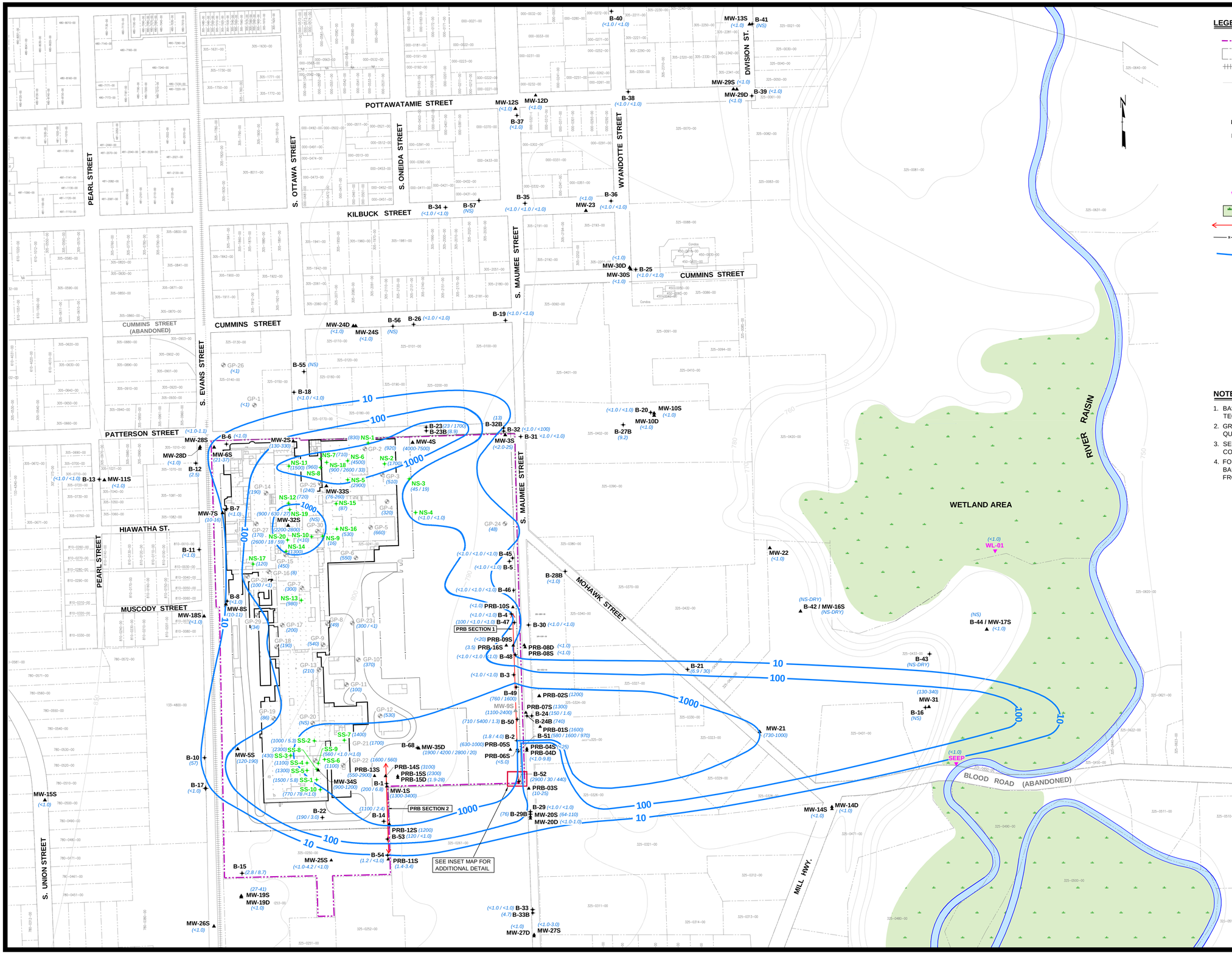
PROJ.: **FORMER TECUMSEH PRODUCTS SITE TECUMSEH, MICHIGAN**

TITLE: **EXTENT OF VOCs ABOVE PART 201 CRITERIA**

DRAWN BY:	DGS	SCALE:	PROJ. NO.	192013.0000.01
CHECKED BY:	SEM	AS INDICATED	FILE NO.	192013.0000.01.20.dwg
APPROVED BY:	GC	DATE PRINTED:		FIGURE 20
DATE:	SEPTEMBER 2012			

TRC
1540 Eisenhower Place
Ann Arbor, MI 48108
Phone: 734.971.7080
Fax: 734.971.9022

Attached Xref's: bm1001G (FSMs)
Attached Images: Layout: FIG20 Extent of VOCs
Dwg Size: 1.79 Mb
Plot Date: September 27, 2012
Plot Time: 11:59 AM
J:_TRC\Tecumseh Products\Tecumseh MI\192013\0000\01\FIG\192013.0000.01.20.dwg
Drawing Name: STEWALE.SAVANH
Drawing Plot Scale: 0.000000
PLOT DATA

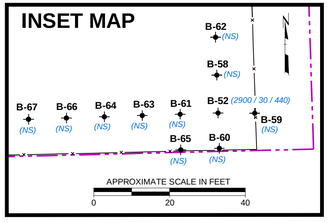


LEGEND

	FORMER TECUMSEH PRODUCTS SITE BOUNDARY
	PARCEL BOUNDARY
	RAILROAD TRACKS (APPROXIMATE LOCATION)
750	APPROXIMATE GROUND TOPOGRAPHY BASED OFF 7.5 MINUTE U.S.G.S. TOPOGRAPHIC QUADRANGLE MAP
B-2	PERIMETER / OFF-SITE INVESTIGATION SOIL BORING LOCATION AND NUMBER
MW-4S	MONITORING WELL LOCATION AND NUMBER
MW-9S	DECOMMISSIONED MONITORING WELL LOCATION AND NUMBER
SS-2	SOURCE AREA INVESTIGATION BORING LOCATION AND NUMBER
GP-24	ATC GEOPROBE BORING LOCATION AND NUMBER
WL-01	APPROXIMATE SURFACE WATER SAMPLE LOCATION
	FLOODPLAIN / WOODED WETLAND AREA
	PRB LOCATION
x x	FENCE LINE
100	APPROXIMATE TRICHLOROETHENE ISOCONCENTRATION LINE
(13)	TRICHLOROETHENE CONCENTRATION IN ug/L (SEE NOTES 3 AND 4)
(76-260)	TRICHLOROETHENE CONCENTRATION RANGE IN ug/L (SEE NOTES 3 AND 4)
(45 / 19)	TRICHLOROETHENE CONCENTRATION IN ug/L WHERE SAMPLES WERE COLLECTED AT MULTIPLE DEPTHS. CONCENTRATIONS ARE LISTED IN ORDER OF INCREASING DEPTH (SEE NOTE 3)
(NS)	NO SAMPLE COLLECTED FOR TRICHLOROETHENE ANALYSIS

NOTES

1. BASE MAP DEVELOPED FROM SITE PLAN PROVIDED BY THE CITY OF TECUMSEH, DRAWING NO. CITY.DWG, MARCH 2009.
2. GROUND TOPOGRAPHY BASED OFF 7.5 MINUTE U.S.G.S TOPOGRAPHIC QUADRANGLE MAP AND GROUND SURVEY DATA.
3. SEE ASSOCIATED TABLES FOR FURTHER SAMPLE INFORMATION (SAMPLE COLLECTION DATE, SAMPLE DEPTH, ETC.).
4. FOR IN BARRIER AND DOWN GRADIENT SHALLOW PERMEABLE REACTIVE BARRIER MONITORING WELLS, (PRB-XXS) ONLY THE CONCENTRATION FROM THE MOST RECENT SAMPLE EVENT IS DISPLAYED.



0 200 400 600 800

APPROXIMATE SCALE IN FEET

NO.	BY	DATE	REVISION	APP'D
3				
2				
1				

PROJECT: **FORMER TECUMSEH PRODUCTS SITE TECUMSEH, MICHIGAN**

TITLE: **GROUNDWATER ISOCONCENTRATION MAP TRICHLOROETHENE**

DRAWN BY: DGS	SCALE: AS INDICATED	PROJ. NO. 192013.0000.01	
CHECKED BY: SEM		FILE NO. 192013.0000.01.21.dwg	
APPROVED BY: GC	DATE PRINTED:	FIGURE 21	
DATE: SEPTEMBER 2012			

TRC
1540 Eisenhower Place
Ann Arbor, MI 48108
Phone: 734.971.7080
Fax: 734.971.9022

Attached Xref's: bnd23109
Attached Images:
Layers: FK021 OW be TCE
Dwg Size: 3.63 Mb
Plot Date: September 28, 2012
Plot Time: 8:29 AM
PLOT 28/1A
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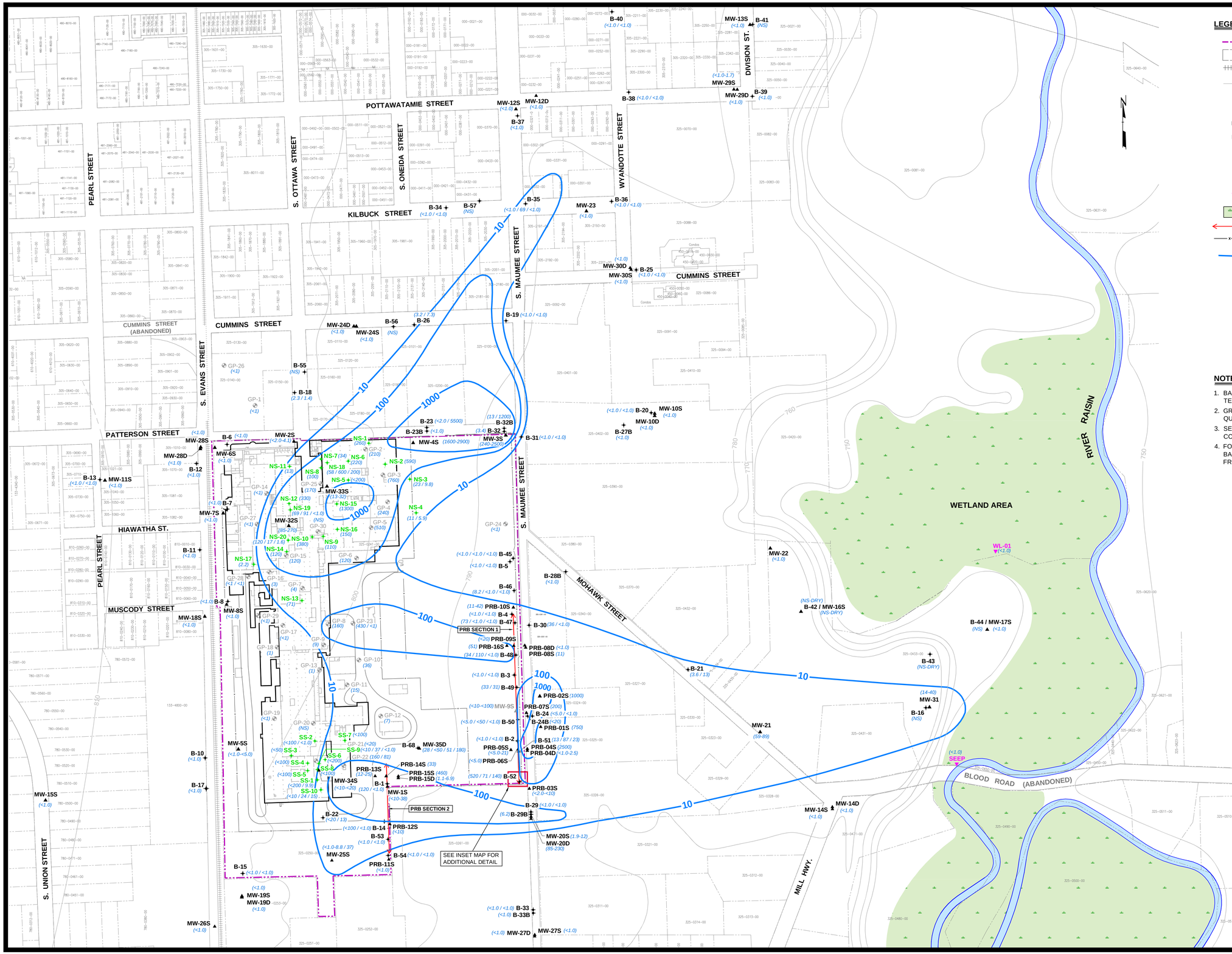
Operator Name: STEHLE, DANIAH
Drawing File Size: 0.000MB



LEGEND

- FORMER TECUMSEH PRODUCTS SITE BOUNDARY
- PARCEL BOUNDARY
- RAILROAD TRACKS (APPROXIMATE LOCATION)
- 750 — APPROXIMATE GROUND TOPOGRAPHY BASED OFF 7.5 MINUTE U.S.G.S. TOPOGRAPHIC QUADRANGLE MAP
- B-2 — PERIMETER / OFF-SITE INVESTIGATION SOIL BORING LOCATION AND NUMBER
- MW-4S — MONITORING WELL LOCATION AND NUMBER
- MW-9S — DECOMMISSIONED MONITORING WELL LOCATION AND NUMBER
- SS-2 — SOURCE AREA INVESTIGATION BORING LOCATION AND NUMBER
- GP-24 — ATC GEOPROBE BORING LOCATION AND NUMBER
- WL-01 — APPROXIMATE SURFACE WATER SAMPLE LOCATION
- FLOODPLAIN / WOODED WETLAND AREA
- PRB LOCATION
- FENCE LINE
- 100 — APPROXIMATE cis-1,2-DICHLOROETHENE ISOCONCENTRATION LINE
- (36) — cis-1,2-DICHLOROETHENE CONCENTRATION IN ug/L (SEE NOTES 3 AND 4)
- (13-22) — cis-1,2-DICHLOROETHENE CONCENTRATION RANGE IN ug/L (SEE NOTES 3 AND 4)
- (33 / 31) — cis-1,2-DICHLOROETHENE CONCENTRATION IN ug/L WHERE SAMPLES WERE COLLECTED AT MULTIPLE DEPTHS. CONCENTRATIONS ARE LISTED IN ORDER OF INCREASING DEPTH (SEE NOTE 3)
- (NS) — NO SAMPLE COLLECTED FOR cis-1,2-DICHLOROETHENE ANALYSIS

NOTES

1. BASE MAP DEVELOPED FROM SITE PLAN PROVIDED BY THE CITY OF TECUMSEH, DRAWING NO. CITY.DWG, MARCH 2009.
2. GROUND TOPOGRAPHY BASED OFF 7.5 MINUTE U.S.G.S TOPOGRAPHIC QUADRANGLE MAP AND GROUND SURVEY DATA.
3. SEE ASSOCIATED TABLES FOR FURTHER SAMPLE INFORMATION (SAMPLE COLLECTION DATE, SAMPLE DEPTH, ETC.)
4. FOR IN BARRIER AND DOWNGRADIENT SHALLOW PERMEABLE REACTIVE BARRIER MONITORING WELLS (PRB-XXS), ONLY THE CONCENTRATION FROM THE MOST RECENT SAMPLE EVENT IS DISPLAYED.

NO.	BY	DATE	REVISION	APP'D
3				
2				
1				

PROJECT: FORMER TECUMSEH PRODUCTS SITE
TECUMSEH, MICHIGAN

TITLE: GROUNDWATER ISOCONCENTRATION MAP
cis-1,2-DICHLOROETHENE

DRAWN BY: DGS	SCALE: AS INDICATED	PROJ. NO. 192013.0000.01	
CHECKED BY: SEM		FILE NO. 192013.0000.01.22.dwg	
APPROVED BY: GC	DATE PRINTED:	FIGURE 22	
DATE: SEPTEMBER 2012			

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Fax: 734.971.9022

PLOT DATA
Drawing Name: J:_TRC\Tecumseh Products\Tecumseh MI\192013\0000\01\FIG\192013.0000.01.22.dwg
Operator Name: STEINE, DAVAH
Drawing Plot Scale: 0.000083

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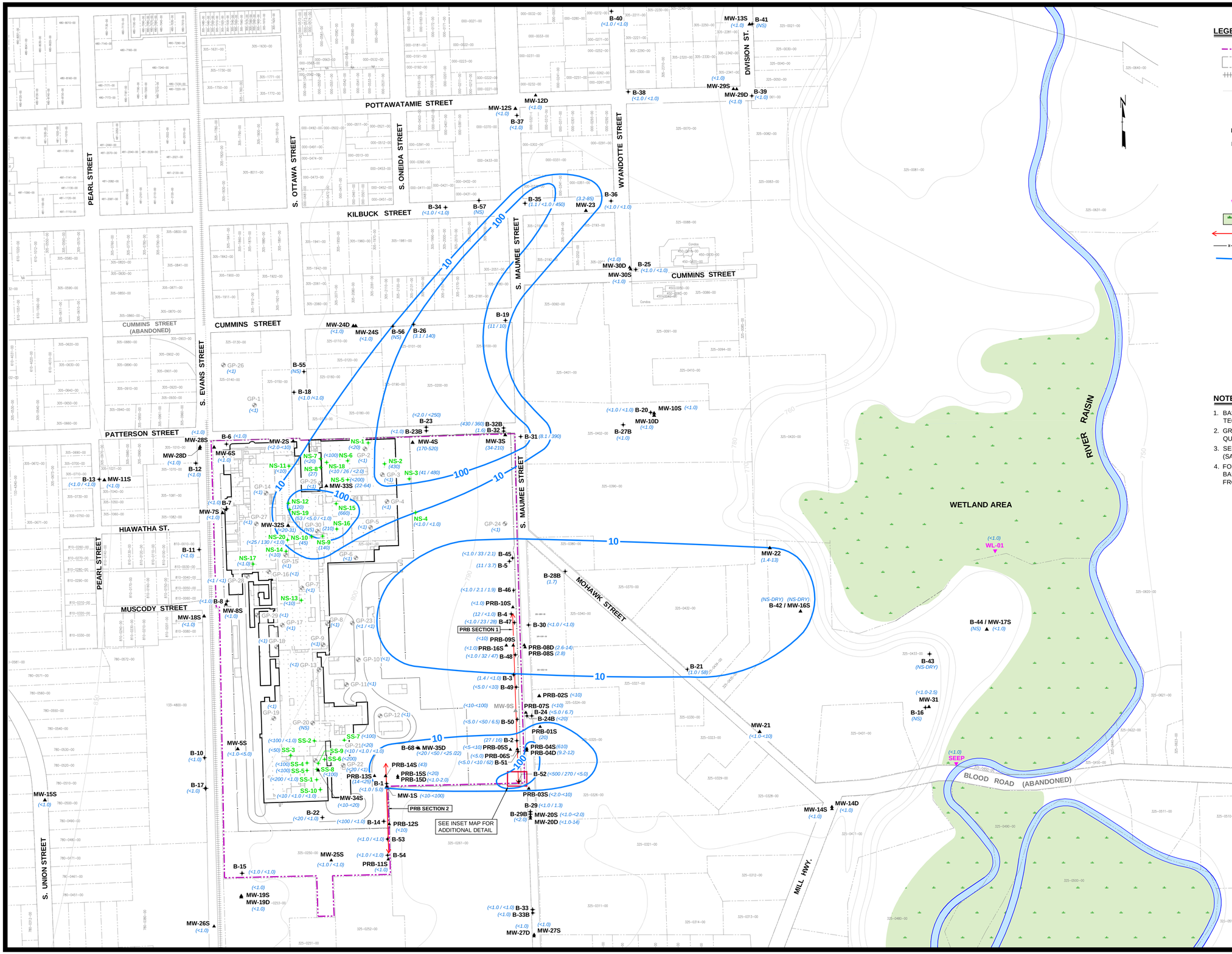
Plot Date: September 26, 2012
Plot Time: 8:14 AM

Attached Xrefs: bm033109
Attached Images:
Layout: FIG22 DW (ex dsh3D)

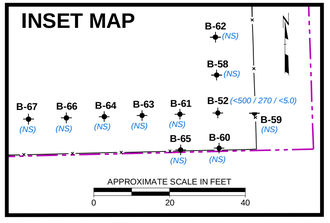


LEGEND

- FORMER TECUMSEH PRODUCTS SITE BOUNDARY
- PARCEL BOUNDARY
- RAILROAD TRACKS (APPROXIMATE LOCATION)
- 750 — APPROXIMATE GROUND TOPOGRAPHY BASED OFF 7.5 MINUTE U.S.G.S. TOPOGRAPHIC QUADRANGLE MAP
- B-2 — PERIMETER / OFF-SITE INVESTIGATION SOIL BORING LOCATION AND NUMBER
- MW-4S — MONITORING WELL LOCATION AND NUMBER
- MW-9S — DECOMMISSIONED MONITORING WELL LOCATION AND NUMBER
- SS-2 — SOURCE AREA INVESTIGATION BORING LOCATION AND NUMBER
- GP-24 — ATC GEOPROBE BORING LOCATION AND NUMBER
- WL-01 — APPROXIMATE SURFACE WATER SAMPLE LOCATION
- FLOODPLAIN / WOODED WETLAND AREA
- PRB LOCATION
- FENCE LINE
- 100 — VINYL CHLORIDE ISOCONCENTRATION LINES
- (660) — VINYL CHLORIDE CONCENTRATION IN ug/L (SEE NOTES 3 AND 4)
- (34-210) — VINYL CHLORIDE CONCENTRATION RANGE IN ug/L (SEE NOTES 3 AND 4)
- (11 / 3.7) — VINYL CHLORIDE CONCENTRATION IN ug/L WHERE SAMPLES WERE COLLECTED AT MULTIPLE DEPTHS. CONCENTRATIONS ARE LISTED IN ORDER OF INCREASING DEPTH (SEE NOTE 3)
- (NS) — NO SAMPLE COLLECTED FOR VINYL CHLORIDE ANALYSIS

NOTES

1. BASE MAP DEVELOPED FROM SITE PLAN PROVIDED BY THE CITY OF TECUMSEH, DRAWING NO. CITY.DWG, MARCH 2009.
2. GROUND TOPOGRAPHY BASED OFF 7.5 MINUTE U.S.G.S TOPOGRAPHIC QUADRANGLE MAP AND GROUND SURVEY DATA.
3. SEE ASSOCIATED TABLES FOR FURTHER SAMPLING INFORMATION (SAMPLE COLLECTION DATE, SAMPLE DEPTH, ETC.).
4. FOR IN BARRIER AND DOWNGRADIENT SHALLOW PERMEABLE REACTIVE BARRIER MONITORING WELLS (PRB-XXS), ONLY THE CONCENTRATION FROM THE MOST RECENT SAMPLE EVENT IS DISPLAYED.



0 200 400 600 800

APPROXIMATE SCALE IN FEET

NO.	BY	DATE	REVISION	APP'D
3				
2				
1				

PROJECT: **FORMER TECUMSEH PRODUCTS SITE TECUMSEH, MICHIGAN**

TITLE: **GROUNDWATER ISOCONCENTRATION MAP VINYL CHLORIDE**

DRAWN BY: DGS	SCALE: AS INDICATED	PROJ. NO. 192013.0000.01	
CHECKED BY: SEM		FILE NO. 192013.0000.01.23.dwg	
APPROVED BY: GC	DATE PRINTED:	FIGURE 23	
DATE: SEPTEMBER 2012			

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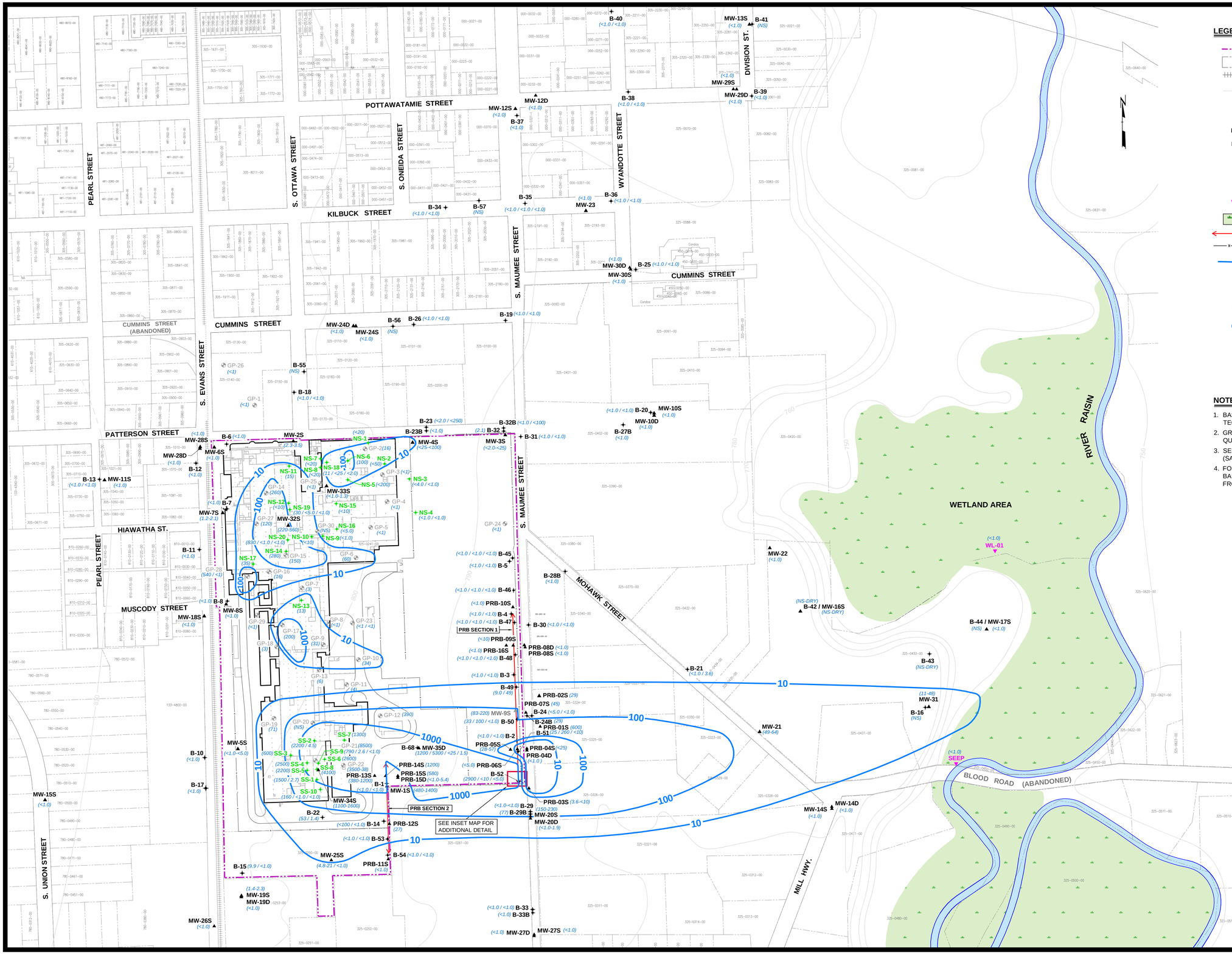
PLOT DATA
Drawing Name: J:_TRC\Tecumseh Products\Tecumseh MI\192013\0000\01\RI Rpt\192013.0000.01.23.dwg
Operator Name: STEHLE, DANIAH
Drawing File Size: 0.000MB

Dwg Size: 3.18 Mb
Plot Date: September 28, 2012
Plot Time: 8:01 AM

Attached Xref's: bm033109
Attached Images:
Layers: FR223 OW lev VC

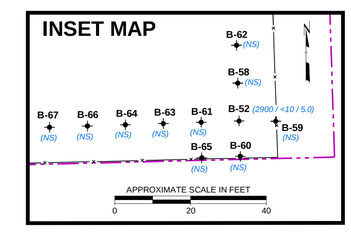


LEGEND

	FORMER TECUMSEH PRODUCTS SITE BOUNDARY
	PARCEL BOUNDARY
	RAILROAD TRACKS (APPROXIMATE LOCATION)
750	APPROXIMATE GROUND TOPOGRAPHY BASED OFF 7.5 MINUTE U.S.G.S. TOPOGRAPHIC QUADRANGLE MAP
B-2	PERIMETER / OFF-SITE INVESTIGATION SOIL BORING LOCATION AND NUMBER
MW-4S	MONITORING WELL LOCATION AND NUMBER
MW-9S	DECOMMISSIONED MONITORING WELL LOCATION AND NUMBER
SS-2	SOURCE AREA INVESTIGATION BORING LOCATION AND NUMBER
GP-24	ATC GEOPROBE BORING LOCATION AND NUMBER
WL-01	APPROXIMATE SURFACE WATER SAMPLE LOCATION
	FLOODPLAIN / WOODED WETLAND AREA
	PRB LOCATION
	FENCE LINE
100	APPROXIMATE 1,1,1-TRICHLOROETHANE ISOCONCENTRATION LINES)
(390)	1,1,1-TRICHLOROETHANE CONCENTRATION IN ug/L (SEE NOTES 3 AND 4)
(220-560)	1,1,1-TRICHLOROETHANE CONCENTRATION RANGE IN ug/L (SEE NOTES 3 AND 4)
(<1.0 / 8.6)	1,1,1-TRICHLOROETHANE CONCENTRATION IN ug/L WHERE SAMPLES WERE COLLECTED AT MULTIPLE DEPTHS. CONCENTRATIONS ARE LISTED IN ORDER OF INCREASING DEPTH (SEE NOTE 3)
(NS)	NO SAMPLE COLLECTED FOR 1,1,1-TRICHLOROETHANE ANALYSIS

NOTES

1. BASE MAP DEVELOPED FROM SITE PLAN PROVIDED BY THE CITY OF TECUMSEH, DRAWING NO. CITY.DWG, MARCH 2009.
2. GROUND TOPOGRAPHY BASED OFF 7.5 MINUTE U.S.G.S TOPOGRAPHIC QUADRANGLE MAP AND GROUND SURVEY DATA.
3. SEE ASSOCIATED TABLES FOR FURTHER SAMPLING INFORMATION (SAMPLE COLLECTION DATE, SAMPLE DEPTH, ETC.).
4. FOR IN BARRIER AND DOWNGRADIENT SHALLOW PERMEABLE REACTIVE BARRIER MONITORING WELLS (PRB-XXS), ONLY THE CONCENTRATION FROM THE MOST RECENT SAMPLE EVENT IS DISPLAYED.



0 200 400 600 800

APPROXIMATE SCALE IN FEET

NO.	BY	DATE	REVISION	APP'D
3				
2				
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PROJECT: **FORMER TECUMSEH PRODUCTS SITE TECUMSEH, MICHIGAN**

TITLE: **GROUNDWATER ISOCONCENTRATION MAP 1,1,1-TRICHLOROETHANE**

DRAWN BY: DGS	SCALE: AS INDICATED	PROJ. NO. 192013.0000.01	
CHECKED BY: SEM		FILE NO. 192013.0000.01.24.dwg	
APPROVED BY: GC	DATE PRINTED:	**FIGURE 24**	
DATE: SEPTEMBER 2012			

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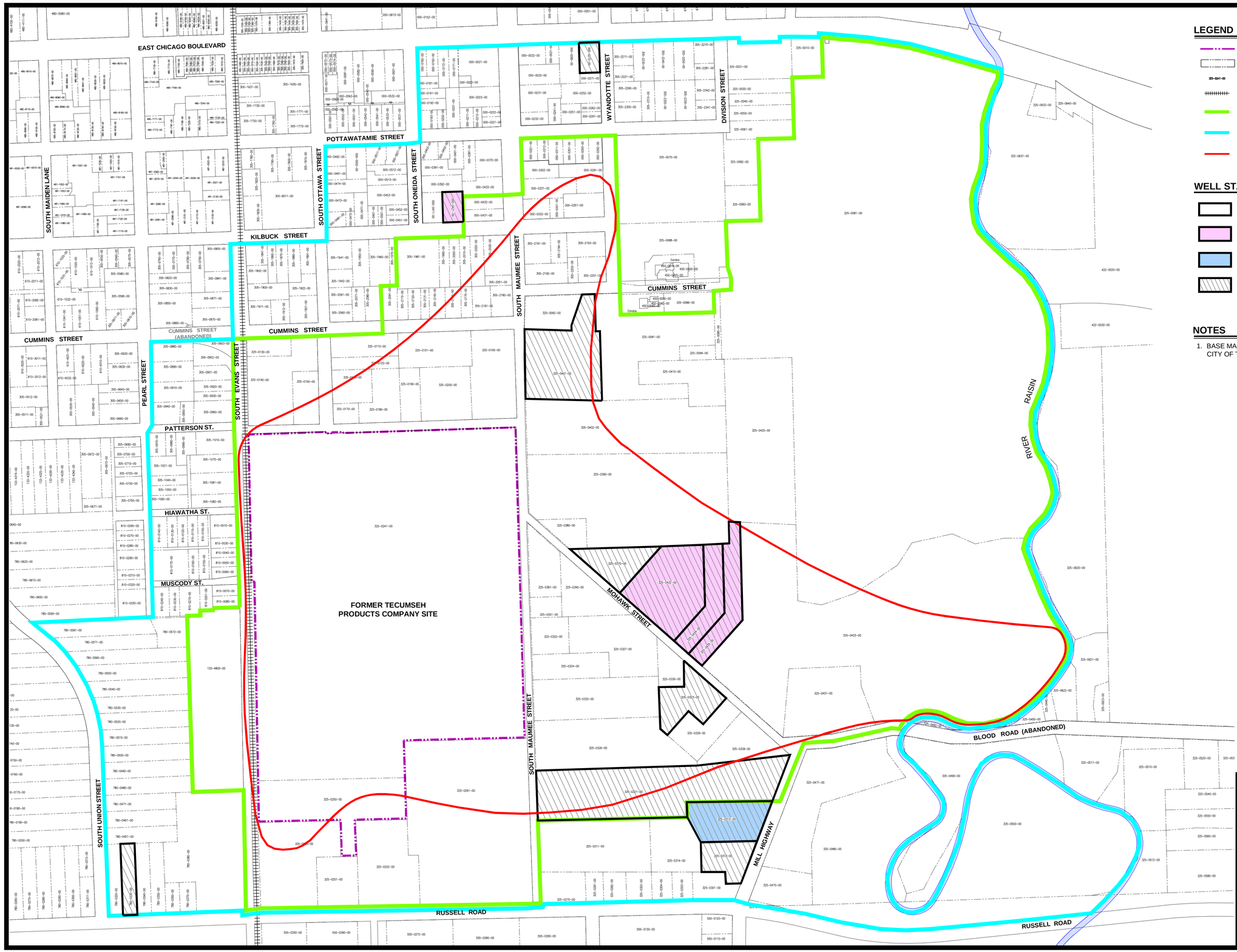
Fax: 734.971.9022

PLOT DATA
Drawing Name: J:_TRC\Tecumseh Products\Tecumseh MI\192013\0000\01\R\Rpt\192013.0000.01.24.dwg
Operator Name: STEHLE, DANAH
Drawing No/Scale: 0/AS NOTED
Dwg Size: 3.10 Mb
Plot Date: September 28, 2012
Plot Time: 8:57 AM
Attached Xrefs: bm03109
Attached Images:
Layout: FIG24 ORI lev 111TCA



LEGEND

- FORMER TECUMSEH PRODUCTS SITE BOUNDARY
- PARCEL BOUNDARY
- 325-0241-00 PARCEL ID NUMBER
- RAILROAD TRACKS (APPROXIMATE LOCATION)
- BOUNDARY OF AREA THAT RECEIVED NOTICES OF OFF-SITE MIGRATION
- BOUNDARY OF AREA AFFECTED BY GROUNDWATER USE ORDINANCE
- EXTENT OF VOCs ABOVE MDEQ PART 201 DRINKING WATER CRITERIA

WELL STATUS

- PROPERTIES WITH A PRIVATE WELL THAT WAS NOT IN USE (2011)
- PROPERTIES WITH A PRIVATE WELL USED AS A PRIMARY WATER SUPPLY IN 2011
- PROPERTIES WITH A PRIVATE WELL USED AS A SECONDARY WATER SUPPLY IN 2011
- PRIVATE WELL HAS BEEN DECOMISSIONED (2011/2012)

NOTES

1. BASE MAP DEVELOPED FROM SITE PLAN PROVIDED BY THE CITY OF TECUMSEH, DRAWING NO. CITY.DWG, MARCH 2009.

N

0 225' 450' 675' 900'
APPROXIMATE SCALE IN FEET

NO.	BY	DATE	REVISION	APP'D
3				
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PROJ: FORMER TECUMSEH PRODUCTS SITE
TECUMSEH, MICHIGAN

TITLE: PRIVATE WELL SURVEY RESULTS AND WELL STATUS UPDATE JUNE 2012

DRAWN BY: DGS	SCALE: AS INDICATED	PROJ. NO. 192013.0000.01	
CHECKED BY: SEM		FILE NO. 192013.0000.01.25.dwg	
APPROVED BY: GC	DATE PRINTED:	FIGURE 25	
DATE: SEPTEMBER 2012			

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1540 Eisenhower Place
Ann Arbor, MI 48108
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Fax: 734.971.9022

PLOT DATA
Drawing Name: J:_TRC\Tecumseh Products\Tecumseh MI\192013\0000\01\FIG\192013.0000.01.25.dwg
Opened By: STEHLE, DIANAH
Drawing Size: 0.00MB
Drawing Date: Wednesday, September 26, 2012
Plot Time: 8:29 AM

Attached Xref's: bm100110 (No Wetlands)
Attached Images:
Layers: FIG25 Private Well Update Jun2012