



LEGEND MIDLAND RESOLUTION Property

Remediated Area Total Yard Area: 5949 sq. ft.

Area Excavated: 5799 sq. ft.

Total Area Not Excavated: 150 sq.ft.

15 30

0

Parcel 14-15-50-624 Feet Midland Resolution Soil Replacement

60

Dow Midland Soils Remedy Worksheet

Site Address: 1310 Lincoln St. Parcel: 14-15-50-624 Date: 4-Nov-13 Initial Soil Sample Soil Remedy Result: 343 Soil Result (ppt) REMEDY If < or = 220, No Remedy If > 280, Remedy If >220 but < or = 280, Test Replicates **Replicate Soil Samples** Soil Replicate Initial soil result (ppt) **Remedy Result:** ------Replicate result (ppt) Replicate result (ppt) ---Average (ppt) ---Standard Deviation (ppt) -t (0.95, 2) 2.92 95% UCL (Student's t Upper Confidence Limit) ---If > 250, Remedy If < or = 250, No Remedy If Soil Remedy Required, Evaluate Indoor Dust: Indoor Dust Initial soil result or 95% UCL if 343 **Remedy Result:** replicates were required (ppt) Area of yard (ft^2) (area as sampled) 5949 **NO REMEDY** Area not remedied (ft^2) 150 23 Surface Weighted Average (SWA) (ppt) 3% % Undisturbed Remaining Soil (URS) Risk is acceptable if $< \text{ or} = 10^{-5}$ 6.53E-06

PROPERTY INFORMATION

Property Owner: Kris @ Tina Granzo			Property Address: 1310 Lincoln St.		
Contract Personnel:			Contracto	r Equipmer	nt:
Kappen Tree	Service - 5/30/13		 Kappen: Bucket Truck, Boom Crane, Log Truck, Stinger 		
• M & M					
 Servinski 			• M & M: Stump Grinder		np Grinder
• Fisher			• S	ervinski: M	ini Excavator, Excavator,
			Bobcats		
			• F	isher: Hand	Tools
Field Person: Gary Waugh		Date: 6/10/13			
DESCRIPTION	NOF SOILS RE	MOVA	L		
Remediation Area (Se	q Ft): 4584	Yards In:	n: 114 * See Below Yards Out: 170 * See Belo		Yards Out: 170 * See Below
Description of Cut De	epth:				
All soils within the re	emediation area squar	e footage v	were remov	red to an ave	erage depth of 12 inches.
Verification I	Laser level used to verify cut dep		pth	Date Verif	fied/Initial: GW 6/10/13
Method:	5 1				
Describe soils remain	ning: An area 10ft x 2	4ft was no	ot removed.	Existing ra	spberry bushes.

DESCRIPTION OF FIELD ACTIVITIES:

Kappen Tree Service: Was onsite 5/30/13 and removed the select trees. Wood chips and tree logs were hauled to the Allied staging area.

M & M: Ground the stumps left from the tree removal.

Servinski/Fisher: Began and completed the soils dig out. Some topsoil was imported placed and graded. Silt fence was installed at the curb line along Lincoln St.

* Yards Out:

155yrds – Soil relocated to the (Salzburg Landfill MAS Stockpile Area) 15yrds – Concrete and soil hauled to (Midland City Landfill) for disposal

* Yards In: 105yrds – Topsoil 9yrds - Sand

Gary Waugh

Field Representative Signature

Weather: Cloudy, 55 – 65, light winds

6/10/13

PROPERTY INFORMATION

Contract Personnel:		Property Address: 1310 Lincoln St.		
G : 1:	Contractor Equipme	Contractor Equipment:		
• Servinski	 Servinski: B 	lobcats		
• Fisher	• Fisher: Hane	d Tools		
Sugar Construction	Sugar: Hance	• Sugar: Hand Tools		
Reliable Plumbing	• Reliable: Ha	and Tools		
• Kokaly	• Kokaly: Ha	nd Tools		
Field Person: Gary Waugh	Date: 6/11/13			
DESCRIPTION OF SOILS REMOVA	L			
Remediation Area (Sq Ft): 4584 Yards I	n: 92 * See Below	Yards Out: 0		
Description of Cut Depth: All soils within the remediation area square footage	were removed to an av	verage depth of 12 inches.		
Verification Laser level used to verify cut d Method:	epth Date Veri	ified/Initial: GW 6/10/13		
Describe soils remaining: An area 10ft x 24ft was r	ot removed. Existing r	aspberry bushes.		

DESCRIPTION OF FIELD ACTIVITIES:

Sugar Construction: Poured the concrete for a 10ft x 10ft patio off the rear sidewalk.

Reliable Plumbing: Installed the backflow preventer and necessary plumbing to accommodate the irrigations system.

Kokaly: Installed the irrigations piping, sprinkler heads, low voltage wiring and valves.

Servinski/Fisher: Finished importing and placing the topsoil. Final grading was completed. Landscape bed were defined, edging installed, shrubs and trees planted, drainage stone and hardwood mulch placed in the appropriate beds. Silt fence was installed at the curb line along Lincoln St.

* Yards In: 75yrds – Topsoil 9yrds – Drainage Stone 8yrds – Hardwood Mulch

Gary Waugh

Field Representative Signature

Weather: Clear, 62 – 80, light winds.

6/11/13

PROPERTY INFORMATION

Property Owner: Kris @ Tina Granzo		Property Address: 1310 Lincoln St.		
Contract Personnel:		Contractor Equipment:		
 Servinski 			 Servinski: B 	obcats
• Fisher			• Fisher: Hand	d Tools
Field Person: Gary Waugh		Date: 6/12/13		
DESCRIPTIO	N OF SOILS RE	MOVA	L	
Remediation Area (S	Sq Ft): 4584	Yards In:	: 92 * See Below	Yards Out: 0
Description of Cut Depth:				
All soils within the remediation area square footage were removed to an average depth of 12 inches.			erage depth of 12 inches.	
Verification	Laser level used to verify cut dep		pth Date Veri	fied/Initial: GW 6/10/13
Method:				
Describe soils remaining: An area 10ft x 24ft was not removed. Existing raspberry bushes.			aspberry bushes.	

DESCRIPTION OF FIELD ACTIVITIES:

Servinski/Fisher: Placed and trimmed sod. 1310 Lincoln is complete pending a final walk through with the property owner.

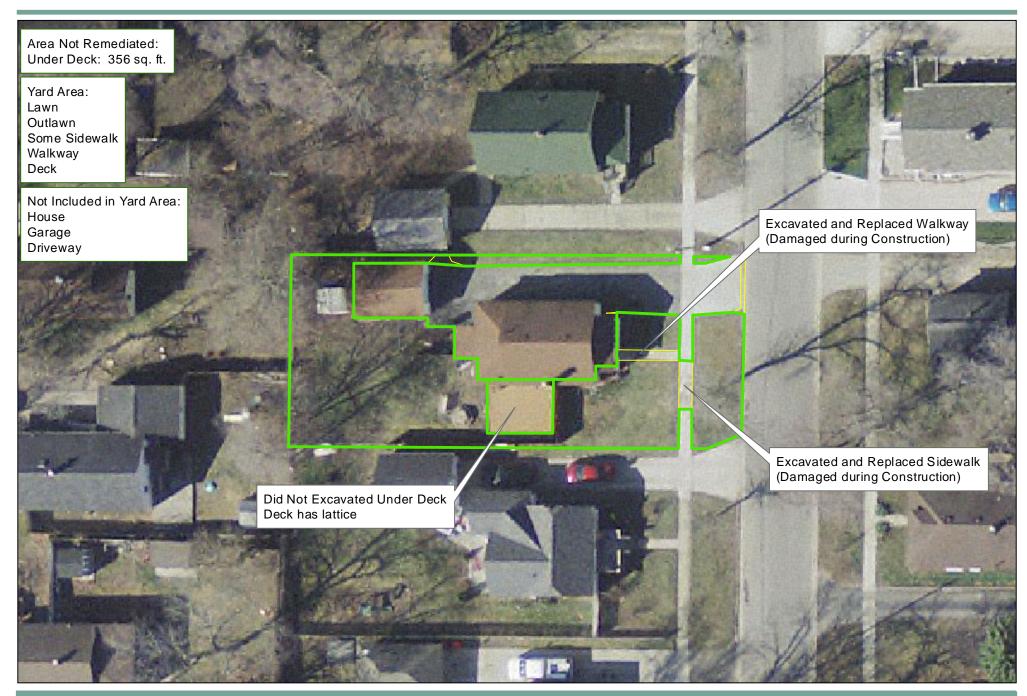
Gary Waugh

6/12/13

Field Representative Signature

Weather: Clear, 62 – 77, light winds.

	ation Assurance Form and Resolution
Property Information	
Property Owner: <u>Kris & Tina Granzo</u>	Contract Personnel: Pat's Trucking, Servinski
Property Address: <u>1310 Lincoln St.</u>	Conduct I choomion <u>rat b Hacking Servinski</u>
Field Person: <u>Gary Waugh</u>	Date: 6/11/2013
Fuel Usage	
Low Suntil Dieser Osed	
Equipment	
Tier 3 and Tier 4 Diesel Motor	rs Manufactured
	Yes [X] No[] N/A []
Equipment Shut Off When No	t In Use (No Idling):Yes [X] No[] N/A []
Equipment Inspected For Leak	cs, Seepages, ETC:Yes [X] No[] N/A []
A 1 * * / /*	
Administrative	JT 11 XZ (XZ - XZ (
	d Locally:
	Yes [X] No[] N/A []
Borrow Pit Source Selected C	
Mandated Radius Crite	eria:Yes [X] No[] N/A [
Waste Management	
))%:Yes [] No[X] N/A []
Wood/Tree's Removed Chipp	
	iver Flood Plain as Barrier
Landscaping/Perennial Plants	
	/ill Be Collected and Reused
Project Controls	
Recycled Newspaper Used as	• •
Portions:	Yes [] No[] N/A [X
Geosynthetics Used on Proper	ty Access Area:Yes [X] No[] N/A [
	Soil Removal:Yes [X] No[] N/A [
	:Yes [X] No[] N/A [
	tem Used:Yes [] No[] N/A [X
	ed:Yes [] No[] N/A [X
Removed Soil Taken to Dow I	Plant For Reuse in Facility:Yes [] No[X] N/A [
	evegitation Tool:Yes [X] No[] N/A [
Upgrading Irrigation Controls	to Include a Rain Sensor:Yes [X] No[] N/A [
Preprogramming Irrigation Sy	stem to Water Only at
Prescribed Rates and T	"imes:Yes [X] No[] N/A []
Reuse Existing Concrete Foun	dations When PossibleYes [] No[X] N/A []
	ingYes [] No[] N/A [X]
Clean Manholes, Curb Inlets,	Drop Inlets, Trench Drains,
	of Construction Debris, Dirt,
and Trash	Yes [X] No[] N/A []





LEGEND Remediated Area Property

Total Yard Area: 5238 sq. ft.

Area Excavated: 4882 sq. ft.

Total Area Not Excavated: 356 sq.ft.



60

0

Parcel 14-15-50-756 Feet Midland Resolution Soil Replacement

Dow Midland Soils Remedy Worksheet

Site Address: 1319 Lincoln St. Parcel: 14-15-50-756 Date: 4-Nov-13 Initial Soil Sample Soil Remedy Result: 287 Soil Result (ppt) REMEDY If < or = 220, No Remedy If > 280, Remedy If >220 but < or = 280, Test Replicates Soil Replicate **Replicate Soil Samples** Initial soil result (ppt) **Remedy Result:** ------Replicate result (ppt) Replicate result (ppt) ---Average (ppt) ---Standard Deviation (ppt) -t (0.95, 2) 2.92 95% UCL (Student's t Upper Confidence Limit) ---If > 250, Remedy If < or = 250, No Remedy If Soil Remedy Required, Evaluate Indoor Dust: Indoor Dust Initial soil result or 95% UCL if 287 **Remedy Result:** replicates were required (ppt) Area of yard (ft^2) (area as sampled) 5238 **NO REMEDY** Area not remedied (ft^2) 356 33 Surface Weighted Average (SWA) (ppt) 7% % Undisturbed Remaining Soil (URS) Risk is acceptable if $< \text{ or} = 10^{-5}$ 5.76E-06

PROPERTY INFORMATION

Property Owner: Juan & Mary Coronado	Property Address: 1319 Lincoln	
Contract Personnel: • Kappen Tree Service – 6/6/13 • Servinski • Fisher • Pats	 Contractor Equipment: Kappen: Bucket Truck, Chipper, Log Truck Servinski: Excavator, Mini Excavator, Bobcats Fisher: Hand Tools Pats: Trucks 	
Field Person: Gary Waugh	Date: 6/29/13	

Remediation Area (Sq Ft): 6071 Yards In: 0 Yards Out: 105 * See Below Description of Cut Depth: All soils within the remediation area square footage were removed to an average depth of 12 inches. Verification Laser level used to verify cut depth and establish final grade Date Verified/Initial: 6/29/13 GW/SS

Describe soils remaining: No remaining soils

DESCRIPTION OF FIELD ACTIVITIES:

Kappen Tree Service: Was on site 6/26/13 and removed the select trees. All wood chips and logs were hauled to the Allied staging area.

Servinski/Fisher: Began the soils dig out. The rear property line of 1319 Lincoln butts up to 1322 Jefferson. The excavated soils from the rear yard of 1319 Lincoln were hauled by Bobcats to the front yard of 1322 Jefferson and loaded into the trucks. Catch basin filters were in place and good condition. At the end of the work day silt fence was installed at the curb line along Jefferson St.

* Yards Out:

105yrds – Soils relocated to (Dow – Salzburg Landfill MAS Stockpile Area)

Gary Waugh

6/29/13

Field Representative Signature

Weather: AM light rain, 62 - 73, light winds

PROPERTY INFORMATION

Property Owner: Juan & Mary Coronado	Property Address: 1319 Lincoln
Contract Personnel:	Contractor Equipment:
Sugar Construction	Sugar: Hand Tools
Field Person: Gary Waugh	Date: 7/1/13
DESCRIPTION OF SOILS REM	
Remediation Area (Sq Ft): 6071	Yards In: 75 * See Below Yards Out: 0
Description of Cut Depth: All soils within the remediation area square	e footage were removed to an average depth of 12 inches.

Verification	Laser level used to verify cut depth and	Date Verified/Initial: 6/29/13 GW/SS			
Method:	establish final grade				
Describe soils remaining: No remaining soils					

DESCRIPTION OF FIELD ACTIVITIES:

Servinski/Fisher: No excavating was performed today. Some topsoil was imported and placed in the rear yard area. Catch basin filters and silt fence in good condition.

* Yard In: 75yrds - Topsoil

Sugar Construction: Formed and poured the concrete for the replacement patio in the rear yard area.

Gary Waugh

7/1/13

Field Representative Signature

Weather: Clear, 60 - 75, light winds

PROPERTY INFORMATION

Property Owner: Juan & Mary Coronado	Property Address: 1319 Lincoln
Contract Personnel:	Contractor Equipment:
• Servinski	Servinski: Bobcats, Mini Excavator
• Fisher	Fisher: Hand Tools
• Kokaly	Kokaly: Hand Tools
Reliable Plumbing	Reliable: Hand Tools
Field Person: Gary Waugh	Date: 7/2/13
DESCRIPTION OF SOILS REMO	OVAL

DEN CITAL II	OIT OF BOILED THEFT			
Remediation Area (Sq Ft): 6071		Yards In: 108 * See Below		Yards Out: 105 * See Below
Description of Cu	t Depth:			
All soils within th	e remediation area square for	otage were remo	ved to an av	erage depth of 12 inches.
Verification Laser level used to verify cut depth and Date Verified/Initial: 7/2/13 GW/SS				
Method: establish final grade				
Describe soils ren	naining: No remaining soils			

DESCRIPTION OF FIELD ACTIVITIES:

Servinski/Fisher: Completed the soils dig out in the front yard and out lawn areas. Trucks were direct loaded from Lincoln St. The remaining topsoil was imported and placed. Landscape beds were defined and edging installed. Shrubs and trees were planted. After Kokaly completed the installation of the irrigation system, the topsoil was final graded and drainage stone and hardwood mulch was placed in the appropriate landscape bed. Catch basin filters and silt fence in good condition.

* Yard Out: 105yrds – Soil relocated to (Dow – LEL 3 NAPL Recovery Project)

* Yard In: 90yrds – Topsoil 3yrds – Sand (Along garage under drainage stone) 10yrds – Drainage Stone 5yrds – Hardwood Mulch

Reliable Plumbing: Installed the backflow preventer and necessary plumbing to accommodate the irrigations system.

Kokaly: Installed the irrigation system piping, low voltage wiring and control valves and sprinkler heads.

DESCRIPTION OF FIELD ACTIVITIES – CONTINUED:

Gary Waugh

7/2/13

Date

Field Representative Signature

Weather: Cloudy, 55 – 72, light winds

PROPERTY INFORMATION

Property Owner: Juan & Mary Coronado	1	Property Address: 1319 Lincoln	
Contract Personnel:	(Contractor Equipment:	
• Servinski	1	• S	ervinski: Bobcats
• Fisher		• Fisher: Hand Tools	
Sugar Construction		• S	ugar: Hand Tools
	1		
			1
Field Person: Gary Waugh		Date: 7/3	/13
DESCRIPTION OF SOILS RE	MOVAL	r	
Remediation Area (Sq Ft): 6071	Yards In: ()	Yards Out: 0
Description of Cut Depth:			
All soils within the remediation area square	e footage we	ere remov	ed to an average depth of 12 inches.
Verification Laser level used to ver	rify cut dept	h and	Date Verified/Initial: 7/2/13 GW/SS

DESCRIPTION OF FIELD ACTIVITIES:

Describe soils remaining: No remaining soils

establish final grade

Sugar Construction: Poured the concrete for the new front service sidewalk and a section of the city sidewalk that needed to be replaced. The crew also install the new wood fence section in front of the side deck.

Servinski/Fisher: Hand raked the topsoil. Sod was placed and trimmed. A final site cleanup was performed. All catch basin filters and silt fence was removed. 1319 Lincoln is complete pending a walk through with the property owner.

Gary Waugh

Method:

7/3/13

Field Representative Signature

Weather: Partly cloudy, 60 - 80, light winds

	n Assurance Form Resolution
Property Information	
Property Owner: Juan & Mary Coronado	Contract Personnel: Pat's Trucking, Servinski
Property Address: 1319 Lincoln St.	
Field Person: Gary Waugh	Date: <u>7/3/2013</u>
Fuel Usage	
Low Sulfur Diesel Used:	Yes [X] No[] N/A[]
Equipment	
Tier 3 and Tier 4 Diesel Motors M	Manufactured
After 2006:	Yes [X] No[] N/A []
Equipment Shut Off When Not Ir	n Use (No Idling):Yes [X] No[] N/A []
Equipment Inspected For Leaks,	Seepages, ETC:Yes [X] No[] N/A []
Administrative	
Vegetation and Plants Supplied L	ocally:Yes [X] No[] N/A []
Local Subcontractors Used:	Yes [X] No[] N/A []
Borrow Pit Source Selected Close	er to Project but Within
Mandated Radius Criteria	:Yes [X] No[] N/A []
Waste Management	
Waste Generated Recycled (0)	%:Yes [] No[X] N/A []
Wood/Tree's Removed Chipped	
Along Tittabawasse Rive	r Flood Plain as Barrier
	Yes [X] No[] N/A []
Landscaping/Perennial Plants Bro	ought to Site in
Recyclable Pots that Will	Be Collected and Reused
By Supplier:	Yes [X] No[] N/A []
Project Controls	
Recycled Newspaper Used as Bir	nder for Hydroseeding
Portions:	Yes [] No[] N/A [X]
Geosynthetics Used on Property	Access Area:Yes [X] No[] N/A []
	il Removal:Yes [X] No[] N/A [
	Yes [X] No[] N/A []
Active Dust Management System	1 Used:Yes [] No[] N/A [X]
	Yes [] No[] N/A [X]
Removed Soil Taken to Dow Pla	nt For Reuse in Facility:Yes [] No[X] N/A []
Use of Sod as the Preferred Reve	gitation Tool:Yes [X] No[] N/A [
Upgrading Irrigation Controls to	Include a Rain Sensor:Yes [X] No[] N/A []
Preprogramming Irrigation System	•
	es:Yes [X] No[] N/A []
	tions When PossibleYes [] No[X] N/A []
	Yes [] No[] N/A [X]
Clean Manholes, Curb Inlets, Dro	
Gratings, and Frames of C	
and Trash	Yes [X] No[] N/A []





MIDLAND RESOLUTION

LEG END Remediated Area Property Total Yard Area: 7434 sq. ft.

Area Excavated:Total Area Not Excavated:7434 sq. ft.0 sq. ft.

0 15 30

Feet 60 Parcel 14-15-60-144 Midland Resolution Soil Replacement

Dow Midland Soils Remedy Worksheet

Site Address: 514 Maple St. Parcel: 14-15-60-144 Date: 4-Nov-13

Date:	4-Nov-13	
Initial Soil Sam 447	ple Soil Result (ppt)	Soil Remedy Result:
If < or = 220, No Re	emedy	
lf > 280, Remedy		
<i>If</i> >220 <i>but</i> < or = 2	80, Test Replicates	
Replicate Soil	Samples Initial soil result (ppt)	Soil Replicate Remedy Result:
	Replicate result (ppt)	
	Replicate result (ppt)	<u>[]</u>
	Average (ppt)	
	Standard Deviation (ppt)	
2.92	t (0.95, 2)	
=	95% UCL (Student's t Upper Confidence Limit)	
If > 250, Remedy If < or = 250, No Re	emedy	
If Soil Remedy	Required, Evaluate Indoor Dust:	
447	Initial soil result or 95% UCL if replicates were required (ppt)	Indoor Dust Remedy Result:
7434	Area of yard (ft ²) (area as sampled)	NO REMEDY
0	Area not remedied (ft ²)	
15	Surface Weighted Average (SWA) (ppt)	
0%	% Undisturbed Remaining Soil (URS)	
<u>8.20E-06</u>	Risk is acceptable if < or = 10^{-5}	

PROPERTY INFORMATION

Property Owner: Maier Investment Co LLC	Property Address: 514 Maple St.
Contract Personnel: Contractor Equipment:	
• Kappen Tree Service – 10/4/13	Kappen: Bucket Truck, Chipper
• Servinski	 Servinski: Excavator, Bobcats
• Fisher	Fisher: Hand Tools
Pats	Pats: Trucks
Reliable Plumbing	Reliable: Hand Tools
Field Person: Gary Waugh	Date: 10/8/13
DESCRIPTION OF SOILS REN	MOVAL
Remediation Area (Sq Ft): 3989	Yards In: 90 * See Below Yards Out: 272 * See Below
Description of Cut Depth:	- Me
All soils within the remediation area square	footage were removed to an average depth of 12 inches

Verification Method:	Laser level was used to check depth of excavation cut	Date Verified/Initial: 10/8/13 SS/GW
Describe soils remaining: No remaining soils		

DESCRIPTION OF FIELD ACTIVITIES:

Kappen Tree Service: Was on site 10/4/13 and cut down the trees selected for removal. Several trees in the out lawn area were trimmed. Tree logs and wood chips were hauled to the Allied staging area.

Reliable Plumbing: Was on site today and installed the backflow preventer and the necessary plumbing needed to accommodate the irrigation system.

Servinski/Fisher: The crew began and completed the soils dig out using bobcats to excavate the material and move it to the front out lawn area where it was loaded with an excavator. Once the dig out was complete some topsoil was imported placed and rough graded. There were several catch basin filters installed and silt fence was in place along Maple St. Both the filters and the silt fence were in good condition. The street sweeper was used as needed to clean the area along Maple Street during the soils load out.

* Yards Out:

15yrds – Debris hauled to (Midland City Landfill) for disposal 272yrds – Soil relocated to (Dow MIOPS Poseyville Landfill MAS Stockpile Area)

Yards In:
 90yrds - Topsoil

DESCRIPTION OF FIELD ACTIVITIES – CONTINUED:

Gary Waugh

10/8/13

Date

Field Representative Signature

Weather: Clear, 45 - 70, light winds

PROPERTY INFORMATION

Property Owner: Maier Investment Co LLC		Property Address: 514 Maple St.		
Contract Personnel:		Contractor Equipment:		
Servinski		 Servinski: Excavator, Bobcats 		
• Fisher		• Fisher: Hand Tools		
Pats		Pats: Trucks		
Field Person: Gary Waugh		Date: 10/9/13		
DESCRIPTION OF SOILS RE	MOVA			
Remediation Area (Sq Ft): 3989		: 120 * See Below	Yards Out: 30 * See Below	
Description of Cut Depth:	I ulus III	. 120 000 Delow		

All soils within the remediation area square footage were removed to an average depth of 12 inches

Verification	Laser level was used to check depth of	Date Verified/Initial: 10/8/13 SS/GW	
Method:	excavation cut		
Describe soils remaining: No remaining soils			

DESCRIPTION OF FIELD ACTIVITIES:

Servinski/Fisher: The crew finished importing, placing and grading the topsoil. The crew also removed the existing concrete driveway. (Note: The property owner formed and poured new driveway today).

* Yards Out:

30yrds - Concrete hauled to (Midland City Landfill) for disposal

* Yards In: 120yrds - Topsoil

Gary Waugh

10/9/13

Field Representative Signature

Weather: Clear, 48 – 70, light winds

PROPERTY INFORMATION

Property Owner: Maier Investment Co LLC	Property Address: 514 Maple St.
Contract Personnel:	Contractor Equipment:
Servinski	Servinski: Bobcat
• Fisher	Fisher: Hand Tools
Kokaly	Kokaly: Hand Tools
Field Person: Gary Waugh	Date: 10/10/13
DESCRIPTION OF SOILS REMOVA	AL
Remediation Area (Sq Ft): 3989 Yards I	n: * See Below Yards Out: 0
Description of Cut Depth:	were removed to an every depth of 12 inches
All soils within the remediation area square footage	; were removed to an average depth of 12 menes

Verification	Laser level was used to check depth of	Date Verified/Initial: 10/8/13 SS/GW
Method:	excavation cut	
Describe soils re	maining: No remaining soils	

DESCRIPTION OF FIELD ACTIVITIES:

Kokaly: On site today and installed the irrigation system piping, low voltage wiring, valves and sprinkler heads.

Servinski/Fisher: The crew installed edging for the landscape beds, shrubs and flowers were planted and hardwood mulch and drainage stone were placed. The topsoil was final prepped and hand raked and the sod was placed and trimmed. The irrigation system was turned on programmed and adjustments were made to the heads. A final site cleanup was performed and the catch basin filters and silt fence were removed. 514 Maple is complete pending a walk through with the property owner.

Yards In:
 8yrds – Hardwood Mulch
 4yrds – Drainage Stone

Gary Waugh

10/10/13

Field Representative Signature

Weather: Clear, 48 – 71, light winds

Green Remediation Assurance Form Midland Resolution		
Property Information		
Property Owner: <u>Maier Invest. Co</u> Contract Personnel: <u>Pat's</u>	s Trucking, Servinski	
Property Address: <u>514 Maple</u>	-	
Field Person: <u>Gary Waugh</u> Da	te: <u>10/9/2013</u>	
Fuel Usage		
Low Sulfur Diesel Used:Y	es [X] No[] N/A[]	
Equipment		
Tier 3 and Tier 4 Diesel Motors Manufactured		
After 2006:Ye	s [X] No[] N/A []	
Equipment Shut Off When Not In Use (No Idling):Ye	es [X] No[] N/A []	
Equipment Inspected For Leaks, Seepages, ETC:Ye	s [X] No[] N/A []	
Administrative		
Vegetation and Plants Supplied Locally:	s [X] No[] N/A []	
Local Subcontractors Used:		
Borrow Pit Source Selected Closer to Project but Within		
Mandated Radius Criteria:	s [X] No[] N/A []	
Waste Management		
Waste Generated Recycled (0)%:Ye	s [] No[X] N/A []	
Wood/Tree's Removed Chipped and Staged for Use		
Along Tittabawasse River Flood Plain as Barrier		
Or Dust Control:	es [X] No[] N/A []	
Landscaping/Perennial Plants Brought to Site in		
Recyclable Pots that Will Be Collected and Reused		
By Supplier:Yes	[X] No[] N/A []	
Project Controls		
Recycled Newspaper Used as Binder for Hydroseeding		
Portions:Ye	es [] No[] N/A [X]	
Geosynthetics Used on Property Access Area:Y	es [X] No[] N/A []	
Tarps Used on Trucks During Soil Removal:	es [X] No[] N/A []	
Tarps Used on Borrow Trucks:	es [X] No[] N/A []	
Active Dust Management System Used:Ye	es [] No[] N/A [X]	
Phosphate Free Fertilizers Used:	es [] No[] N/A [X]	
Removed Soil Taken to Dow Plant For Reuse in Facility:Ye	es [] No[X] N/A []	
Use of Sod as the Preferred Revegitation Tool:	es [X] No[] N/A []	
Upgrading Irrigation Controls to Include a Rain Sensor:Ye	es [X] No[] N/A []	
Preprogramming Irrigation System to Water Only at		
Prescribed Rates and Times:Yes	[X] No[] N/A []	
Reuse Existing Concrete Foundations When PossibleYes []	No[X] N/A []	
Use Water Efficient LandscapingYes		
Clean Manholes, Curb Inlets, Drop Inlets, Trench Drains,		
Gratings, and Frames of Construction Debris, Dirt,		
and TrashYes [X]	No[] N/A []	





LEGEND Remediated Area

Total Yard Area: 5208 sq. ft. Area Excavated: 5104 sq. ft. Total Area Not Excavated: 104 sq. ft.

0



Feet

60

Parcel 14-16-40-578 Midland Resolution Soil Replacement

Dow Midland Soils Remedy Worksheet

Site Address: 805 Mill St. Parcel: 14-16-40-578 Date: 4-Nov-13 Initial Soil Sample Soil Remedy Result: 288 Soil Result (ppt) REMEDY If < or = 220, No Remedy If > 280, Remedy If >220 but < or = 280, Test Replicates Soil Replicate **Replicate Soil Samples** Initial soil result (ppt) **Remedy Result:** ---Replicate result (ppt) ---Replicate result (ppt) ---Average (ppt) ---Standard Deviation (ppt) --2.92 t (0.95, 2) 95% UCL (Student's t Upper Confidence Limit) ---If > 250, Remedy If < or = 250, No Remedy If Soil Remedy Required, Evaluate Indoor Dust: Indoor Dust Initial soil result or 95% UCL if 288 **Remedy Result:** replicates were required (ppt) Area of yard (ft^2) (area as sampled) 5208 **NO REMEDY** Area not remedied (ft^2) 104 20 Surface Weighted Average (SWA) (ppt) 2% % Undisturbed Remaining Soil (URS) Risk is acceptable if $< \text{ or} = 10^{-5}$ 5.51E-06

PROPERTY INFORMATION

Property Owner: Steve Hammond	Property Address: 805 Mill St.
Contract Personnel: • Kappen Tree Service 5/1/13 • Servinski • Fisher • Pat's Gradall • M & M	 Contractor Equipment: Kappen: Bucket Truck, Log Truck, Chipper, Stinger Servinski: Bobcat, Mini Excavator Fisher: Hand Tools Pat's: Trucks M & M : Stump Grinder
Field Person: Gary Waugh	Date: 5/2/13

DESCRIPTION OF SOILS REMOVAL

Remediation Area (Sq Ft): 4806Yards In: 90 * See BelowYards Out: 255 * See BelowDescription of Cut Depth:

All soils removed from the remediation area square footage were excavated to an average depth of 12 inches.

Verification	Random depth checks were measured	Date Verified/Initial: GW 5/2/13
Method:	with a laser level.	

Describe soils remaining: All soils removed except where existing structures remained in place, driveway, sidewalks and deck.

DESCRIPTION OF FIELD ACTIVITIES:

Kappen Tree Service: Onsite 5/1/13 removed and trimmed select trees. The branches were chipped and along with the logs were hauled to the Allied staging area.

M & M: Ground the stumps left over from the tree removal.

Servinski/Fisher: Began and completed the soils dig out. Gary Waugh verified depth cuts with a laser level and elevation rod. The contractor began bringing topsoil onsite, placing and rough grading it. The adjacent property (811 Mill St.) gravel driveway was re-graded to help convey drainage between the two driveways. A batter board was set along the driveway and new stone mix was placed and graded.

* Yards Out:

75yrds – Soil hauled and relocated to the Salzburg Landfill MAS Stockpile Area

165yrds – Soil hauled and relocated to the Dow WIF 11th & 12th

15yrds - Concrete and debris hauled to Midland City Landfill for disposal

* Yards In:
90yrds – Topsoil
9yrds – Stone Mix (811 Mill St. – Driveway re grade)

DESCRIPTION OF FIELD ACTIVITIES – CONTINUED:

Silt fence was installed at the curb line along Mill St and the sidewalk barricaded closed at the end of the day.

Gary Waugh

5/2/13

Field Representative Signature

Weather: Sunny, 60 - 79, light winds.

PROPERTY INFORMATION

Property Owner: Steve Hammond	Property Address: 805 Mill St.
Contract Personnel:	Contractor Equipment:
ServinskiFisher	 Servinski: Bobcat, Mini Excavator Fisher: Hand Tools
Pat's Gradall	Pat's: Trucks
Sugar ConstructionReliable Plumbing 5/1/13	 Sugar: Hand Tools Reliable: Hand Tools
 Kenable Fluinbing 5/1/15 Kokaly 	 Kokaly: Ditchwitch, Hand Tools
Field Person: Gary Waugh	Date: 5/3/13

DESCRIPTION OF SOILS REMOVAL

Remediation Area (Sq Ft): 4806Yards In: 120 * See BelowYards Out: 0Description of Cut Depth:

All soils removed from the remediation area square footage were excavated to an average depth of 12 inches.

Verification	Random depth checks were measured	Date Verified/Initial: GW 5/2/13
Method:	with a laser level.	

Describe soils remaining: All soils removed except where existing structures remained in place, driveway, sidewalks and deck.

DESCRIPTION OF FIELD ACTIVITIES:

Sugar Construction: A 40ft section of city sidewalk needs to be replaced. The crew formed and poured 32ft of the sidewalk. An 8ft section was not poured so equipment could have access to the rear yard. The remaining section is scheduled to be poured on 5/6/13.

Reliable Plumbing: Was onsite 5/1/13 and installed the backflow preventer and the necessary plumbing needed to accommodate the irrigation system.

Kokaly: Installed the irrigation system piping, sprinkler heads, low voltage valves and wiring.

Servinski/Fisher: Finished grading the topsoil, installed edging around the landscape beds, planted shrubs and trees and placed drainage stone and hardwood mulch.

* Yards In:

120yrds – Topsoil

Silt fence was installed at the curb line along Mill St and the sidewalk barricaded closed at the end of the day.

DESCRIPTION OF FIELD ACTIVITIES – CONTINUED:

Gary Waugh

Field Representative Signature

5/3/13

Date

Weather: Sunny, 62 - 72, light winds.

PROPERTY INFORMATION

Property Owner: S	teve Hammond		Property .	Address: 8	05 Mill St.
Contract Personnel:		Contractor Equipment:			
 Servinski 			• S	ervinski: B	obcat
• Fisher			• F	isher: Hand	l Tools
Field Person: Gary	Waugh		Date: 5/	4/13	
DESCRIPTIO	N OF SOILS RE	MOVA	L		
Remediation Area	(Sq Ft): 4806	Yards In:	: 120 * See	Below	Yards Out: 0
Description of Cut See 5/3/13	Depth:				
Verification Method:	See 5/3/13			Date Veri	fied/Initial: GW 5/2/13
Describe soils rema	ining: See 5/3/13				

DESCRIPTION OF FIELD ACTIVITIES:

Servinski/Fisher: Topsoil was final prepped and sod placed and trimmed. The contractor performed site cleanup tasks and removed the silt fence. An 8ft length of city sidewalk remains to be formed and pour. This section was left open to gain access to the back yard area. Concrete is scheduled for 5/6/13.

Gary Waugh

5/4/13

Field Representative Signature

Weather: Partly cloudy, 58 – 72, light winds.

PROPERTY INFORMATION

Property Owner: Steve Hammond		Property .	Address: 80	05 Mill St.	
Contract Personnel:		Contractor Equipment:			
• Sugar Cons	truction		• \$	ugar: Hand	Tools
Field Person: Gary Waugh		Date: 5/	6/13		
DESCRIPTION OF SOILS REMOVAL		L			
Remediation Area (Sq Ft): 4806 Yards In:		: 0		Yards Out: 0	
Description of Cut See 5/2/13	Depth:				
Verification Method:	See 5/2/13			Date Verif	fied/Initial: GW 5/2/13
Describe soils rema	ining: See 5/2/13				

DESCRIPTION OF FIELD ACTIVITIES:

Sugar Construction: Sugar formed and poured the remaining 8ft length of city sidewalk. After the forms were pulled the sod was trimmed to match the new concrete. 805 Mill is complete pending a final walk through with the property owner.

Gary Waugh

5.	6	/1	3
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Field Representative Signature

Date

Weather: Sunny, 48 – 72, light winds.

Green Remediation Assurance I Midland Resolution	Form
Property Information	
Property Owner: <u>Steve Hammond</u> Contract Personne	1: Pat's Trucking, Servinski
Property Address: 805 Mill St.	
Field Person: Gary Waugh	Date: <u>5/2/2013</u>
Fuel Usage	
Low Sulfur Diesel Used:	Yes [X] No[] N/A[]
Equipment	
Tier 3 and Tier 4 Diesel Motors Manufactured	
After 2006:	
Equipment Shut Off When Not In Use (No Idlin	g):Yes [X] No[] N/A []
Equipment Inspected For Leaks, Seepages, ETC	:Yes [X] No[] N/A []
Administrative	
Vegetation and Plants Supplied Locally:	Yes [X] No[] N/A []
Local Subcontractors Used:	
Borrow Pit Source Selected Closer to Project bu	it Within
Mandated Radius Criteria:	
Waste Management	
Waste Generated Recycled (0)%:	Yes [] No[X] N/A []
Wood/Tree's Removed Chipped and Staged for	
Along Tittabawasse River Flood Plain a	
Or Dust Control:	
Landscaping/Perennial Plants Brought to Site in	
Recyclable Pots that Will Be Collected a	
By Supplier:	
Project Controls	
Recycled Newspaper Used as Binder for Hydros	seeding
Portions:	Yes [] No[] N/A [X]
Geosynthetics Used on Property Access Area:	Yes [X] No[] N/A []
Tarps Used on Trucks During Soil Removal:	Yes [X] No[] N/A []
Tarps Used on Borrow Trucks:	Yes [X] No[] N/A []
Active Dust Management System Used:	Yes [] No[] N/A [X]
Phosphate Free Fertilizers Used:	Yes [] No[] N/A [X]
Removed Soil Taken to Dow Plant For Reuse in	Facility:Yes [] No[X] N/A []
Use of Sod as the Preferred Revegitation Tool:	Yes [X] No[] N/A []
Upgrading Irrigation Controls to Include a Rain	Sensor:Yes [X] No[] N/A []
Preprogramming Irrigation System to Water On	ly at
Prescribed Rates and Times:	
Reuse Existing Concrete Foundations When Pos	ssibleYes [] No[X] N/A []
Use Water Efficient Landscaping	
Clean Manholes, Curb Inlets, Drop Inlets, Trenc	
Gratings, and Frames of Construction De	
and Trash	Yes [X] No[] N/A []





LEGEND Remediated Area

Total Yard Area:Area Excavated:6231 sq. ft.6231 sq. ft.

Total Area Not Excavated: 0 sq. ft. 15 30

0

Feet Parcel 14-16-40-584 Midland Resolution Soil Replacement

Dow Midland Soils Remedy Worksheet

Site Address: 817 Mill St. Parcel: 14-16-40-584 Date: 4-Nov-13 Initial Soil Sample Soil Remedy Result: 313 Soil Result (ppt) REMEDY If < or = 220, No Remedy If > 280, Remedy If >220 but < or = 280, Test Replicates Soil Replicate **Replicate Soil Samples** Initial soil result (ppt) **Remedy Result:** ---Replicate result (ppt) ---Replicate result (ppt) ---Average (ppt) ---Standard Deviation (ppt) --2.92 t (0.95, 2) 95% UCL (Student's t Upper Confidence Limit) ---If > 250, Remedy If < or = 250, No Remedy If Soil Remedy Required, Evaluate Indoor Dust: Indoor Dust Initial soil result or 95% UCL if 313 **Remedy Result:** replicates were required (ppt) Area of yard (ft^2) (area as sampled) 6231 **NO REMEDY** Area not remedied (ft^2) 0 Surface Weighted Average (SWA) (ppt) 15 0% % Undisturbed Remaining Soil (URS) Risk is acceptable if $< \text{ or} = 10^{-5}$ 5.83E-06

PROPERTY INFORMATION

Property Owner: Micah Chism	Property Address: 817 Mill St.
Contract Personnel: • Kappen Tree Service • Servinski • Fisher • Pats Gradall	Contractor Equipment: • Kappen: Bucket Truck, Log Truck, Chipper • Servinski: Bobcat, Mini Excavator • Fisher: Hand Tools • Pat's: Trucks
Field Person: Gary Waugh	Date: 5/3/13

TION OF SOILS REMOVA

Remediation Area ((Sq Ft): 6030	Yards In: 0	Yards Out: 225 *See Below
Description of Cut	Depth:		
except in the out lav excavated to an ave		ists. The soils within	vated to an average depth of 12 inches, a 10ft radius around the tree were to the tree roots.
Verification	Laser level used to ch	eck depth	Date Verified/Initial: GW 5/3/13
Method:	measurements		
Describe soils rema	ining: All soils remove	ed within the remedi	ation area square footage

DESCRIPTION OF FIELD ACTIVITIES:

Kappen Tree Service: Removed and trimmed the selected trees. All the branches were chipped. The logs and wood chips were hauled to the Allied staging area.

Servinski/Fisher: Began the soil dig out. As the excavation continued Gary Waugh spot checked the cut depth using a laser level. Only soil excavation was performed today. *Yards Out:

30yrds - Soil (Relocated to Salzburg Landfill MAS Soil Stockpile Area) 195yrds – Soil (Relocated to Dow WIF 11th & 12th)

Gary Waugh

5/3/13

Field Representative Signature

Weather: Partly cloudy, 62 - 72, light winds

PROPERTY INFORMATION

Property Owner: Micah Chism	Property Address: 817 Mill St.
Contract Personnel: • Servinski • Fisher • Pats Gradall	Contractor Equipment: • Servinski: Bobcat, Mini Excavator • Fisher: Hand Tools • Pat's: Trucks
Field Person: Gazy Waych	Doto: 5/4/12
Field Person: Gary Waugh	Date: 5/4/13
DESCRIPTION OF SOILS REM	

Remediation Area (Sq Ft): 6030Yards In: *See BelowYards Out: 75 *See BelowDescription of Cut Depth:

All soils within the remediation area square footage were excavated to an average depth of 12 inches, except in the out lawn area where a tree exists. The soils within a 10ft radius around the tree were excavated to an average depth of 4 inches to eliminate damage to the tree roots.

Verification	Laser level used to check depth	Date Verified/Initial: GW 5/3/13
Method:	measurements	
Describe soils ren	naining: All soils removed within the rem	rediation area square footage

DESCRIPTION OF FIELD ACTIVITIES:

Servinski/Fisher: Completed the soils dig out and began importing topsoil onto the site. Topsoil was placed and rough graded. The area between the driveway and the south property line soil was removed and then backfilled with stone mix. The excavated soils were hauled and relocated to the Salzburg Landfill MAS Soil Stockpile Area.

*Yards Out:

75yrds – Soil (Relocated to Salzburg Landfill MAS Soil Stockpile Area)

*Yards In: 120yrds – Topsoil 14yrds – Stone Mix

At the end of the work day, silt fence was installed at the curb line and the street sweeper cleaned Mill St.

DESCRIPTION OF FIELD ACTIVITIES – CONTINUED:

Gary Waugh

5/4/13

Field Representative Signature

Weather: Partly cloudy, 58 – 72, light winds

PROPERTY INFORMATION

Property Owner: Micah Chism	Property Address: 817 Mill St.
Contract Personnel:	Contractor Equipment:
Servinski	Servinski: Bobcat, Pre Seeder
• Fisher	• Fisher: Hand Tools
Pats Gradall	Pat's: Trucks
Field Person: Gary Waugh	Date: 5/6/13
DESCRIPTION OF SOILS REM	AOVAL
Remediation Area (Sq Ft): 6030	Yards In: *See Below Yards Out: 0
Description of Cut Depth:	
See 5/4/13	

Verification	See 5/4/13	Date Verified/Initial: GW 5/3/13
Method:		
Describe soils rema	ining: 5/4/13	

DESCRIPTION OF FIELD ACTIVITIES:

Sugar Construction: Formed the new sidewalk (27ft) from the back entrance door to the driveway. The sub grade was prepared and concrete poured.

Servinski/Fisher: Finished the topsoil import and grading, final prepped, installed landscape edging, planted shrubs and trees and placed hardwood mulch and drainage stone.

*Yards In: 105yrds – Topsoil 7yrds – Sand 9yrd – Drainage Stone 7yrds – Hardwood Mulch

At the end of the work day, silt fence was installed at the curb line and the street sweeper cleaned Mill St.

Gary Waugh	5/6/13
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Field Representative	Signature
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Weather: Sunny, 48 - 72, light winds

PROPERTY INFORMATION

Property Owner: N	licah Chism		Property A	Address: 81	7 Mill St.
Contract Personnel			Contracto	r Equipmen	ıt:
 Servinski 			• S	ervinski: Bo	obcat, Pre Seeder
• Fisher			• F	isher: Hand	Tools
• Kokaly		• K	okaly: Ditc	hwitch, Hand Tools	
Reliable Pl	umbing		• R	eliable: Har	nd Tools
Field Person: Gary	7 Waugh		Date: 5/7	/13	
DESCRIPTIO	N OF SOILS RE	MOVA	L		
Remediation Area	(Sq Ft): 6030	Yards In:	*See Belo	ow	Yards Out: 0
Description of Cut	Depth:				
See 5/4/13					
Verification Method:	See 5/4/13			Date Verif	ied/Initial: GW 5/3/13
Describe soils rema	nining: 5/4/13				

DESCRIPTION OF FIELD ACTIVITIES:

Kokaly: Onsite today and installed the irrigation system piping, sprinkler heads, low voltage controller and valves.

Reliable Plumbing: Onsite today and installed the backflow preventer and necessary plumbing needed to accommodate the irrigation system.

Servinski/Fisher: Finished hand prepping the topsoil and placed and trimmed the sod. The city water is currently turned off (property owner lives out of state). It is scheduled to be turned on 5/8/13. Since water was not available to operate the sprinkler system, the contractor used a hydroseeder to water the sod. A small area of out lawn is incomplete, additional sod is scheduled for 5/8/13 to complete the sod placement.

At the end of the work day, silt fence was installed at the curb line and the street sweeper cleaned Mill St.

Gary Waugh

5/7/13

Field Representative Signature

Weather: Sunny, 48 – 76, light winds

PROPERTY INFORMATION

Property Owner: Micah Chism		Property A	Address: 81	17 Mill St.	
Contract Personnel:		Contractor Equipment:			
 Servinski 			• Se	ervinski: Bo	obcat, Pre Seeder
• Fisher			• Fi	sher: Hand	Tools
Field Person: Gary	y Waugh		Date: 5/8	/13	
DESCRIPTIO	N OF SOILS RE	MOVA	L		
Remediation Area	(Sq Ft): 6030	Yards In:	: 0		Yards Out: 0
Description of Cut See 5/4/13	Depth:				
Verification Method:	See 5/4/13			Date Verif	fied/Initial: GW 5/3/13
Describe soils rema	ining: 5/4/13				

DESCRIPTION OF FIELD ACTIVITIES:

Servinski/Fisher: Completed the sod placement in the out lawn. The water department was onsite today and turned on the water. A water leak was discovered around the valve box. It is assumed that since the property owner lives out of state and the home has been vacant for some time, the fitting on the valve probably froze and broke during cold weather. It is scheduled for repair on 5/9/13. The lawn was watered using a hydro seeder.

Gary Waugh

5/8/13

Field Representative Signature

Weather: Sunny, 50 - 78, light winds

PROPERTY INFORMATION

Property Owner: Micah Chism		Property Address: 817 Mill St.			
Contract Personnel:		Contractor Equipment:			
• Servinski		Servinski: Mini Excavator			
• Fisher				sher: Hand	Tools
Pats			• Pa	ats: Truck	
Field Person: Gary	Waugh		Date: 5/9	/13	
	N OF SOILS RE	MOVA	L		
Remediation Area (Yards In:			Yards Out: 12
Description of Cut	Depth:				
See 5/4/13					
Verification	See 5/4/13			Date Verif	fied/Initial: GW 5/3/13
Method:					
Describe soils rema	ining: 5/4/13				

DESCRIPTION OF FIELD ACTIVITIES:

Servinski/Fisher: Repaired the water leak at the valve box. The excavated soils were relocated to the Dow WIF 11th & 12th project. The excavation was backfilled with sand and 12 inches of topsoil. The irrigation system was turned on and sprinkler heads adjusted. 817 Mill is complete pending final walk through with the property owner.

* Yards Out:

12yrds – Soil relocated to (Dow WIF 11th & 12th Project)

Yards In:
 8yrds – Sand
 2yrds - Topsoil

Gary Waugh

5/9/13

Field Representative Signature

Weather: Partly cloudy, 55 – 74, light winds

Green Remediation Assurance Midland Resolution	e Form
Property Information Property Owner: <u>Micah Chism</u> Contract Personnel	: Pat's Trucking, Servinski
Property Address: <u>817 Mill St.</u> Field Person: <u>Gary Waugh</u>	Date: 5/4/2013
Fuel Usage Low Sulfur Diesel Used:	Yes [X] No[] N/A[]
Equipment	
Tier 3 and Tier 4 Diesel Motors Manufactured	1
After 2006:	Yes [X] No[] N/A []
Equipment Shut Off When Not In Use (No Id	ling):Yes [X] No[] N/A []
Equipment Inspected For Leaks, Seepages, ET	ГС:Yes [X] No[] N/A []
Administrative	
Vegetation and Plants Supplied Locally:	Yes [X] No[] N/A []
Local Subcontractors Used:	
Borrow Pit Source Selected Closer to Project	but Within
Mandated Radius Criteria:	Yes [X] No[] N/A []
Waste Management	
Waste Generated Recycled (0)%:	Yes [] No[X] N/A []
Wood/Tree's Removed Chipped and Staged for	
Along Tittabawasse River Flood Plain	n as Barrier
Or Dust Control:	Yes [X] No[] N/A []
Landscaping/Perennial Plants Brought to Site	in
Recyclable Pots that Will Be Collected	d and Reused
By Supplier:	Yes [X] No[] N/A []
Project Controls	
Recycled Newspaper Used as Binder for Hydr	roseeding
Portions:	
Geosynthetics Used on Property Access Areas	Yes [X] No[] N/A []
Tarps Used on Trucks During Soil Removal:.	Yes [X] No[] N/A [
Tarps Used on Borrow Trucks:	Yes [X] No[] N/A []
Active Dust Management System Used:	Yes [] No[] N/A [X]
Phosphate Free Fertilizers Used:	
Removed Soil Taken to Dow Plant For Reuse	in Facility:Yes [] No[X] N/A []
Use of Sod as the Preferred Revegitation Tool	l:Yes [X] No[] N/A []
Upgrading Irrigation Controls to Include a Ra	in Sensor:Yes [X] No[] N/A []
Preprogramming Irrigation System to Water (•
Prescribed Rates and Times:	E 3 E 3 E 3
Reuse Existing Concrete Foundations When F	
Use Water Efficient Landscaping	
Clean Manholes, Curb Inlets, Drop Inlets, Tre	
Gratings, and Frames of Construction	
and Trash	Yes [X] No[] N/A []





LEG EN D Remediated Area Property

Total Yard Area: 4629 sq. ft. Area Excavated: Tota 4629 sq. ft. 0 sq

Total Area Not Excavated: 0 sq. ft.

0

15 30

Feet Parcel 14-16-40-050 Midland Resolution Soil Replacements

Dow Midland Soils Remedy Worksheet

Site Address: 1107 North St. Parcel: 14-16-40-050 Date: 6-Nov-13

Date:	6-NOV-13	
Initial Soil Sample 440 Soil Result (ppt)		Soil Remedy Result: REMEDY
If < or = 220, No Re If > 280, Remedy If >220 but < or = 2	emedy 80, Test Replicates	
Replicate Soil S		Soil Replicate
	Initial soil result (ppt)	Remedy Result:
	Replicate result (ppt) Replicate result (ppt)	
	Average (ppt) Standard Deviation (ppt)	
2.92	t (0.95, 2)	
= //	95% UCL (Student's t Upper Confidence Limit)	
If > 250, Remedy If < or = 250, No Re	emedy	
If Soil Remedy	Required, Evaluate Indoor Dust:	
440	Initial soil result or 95% UCL if replicates were required (ppt)	Indoor Dust Remedy Result:
4629	Area of yard (ft ²) (area as sampled)	NO REMEDY
0	Area not remedied (ft ²)	
15	Surface Weighted Average (SWA) (ppt)	
0% <u>8.07E-06</u>	% Undisturbed Remaining Soil (URS) Risk is acceptable if < or = 10^{-5}	

PROPERTY INFORMATION

Property Owner: Robert & Dawn Hartl	Property Address: 1107 North St.	
Contract Personnel: • Kappen Tree Service • M & M • Servinski • Fisher	 Contractor Equipment: Kappen: Boom Crane, Bucket Truck, I Truck, Stinger M &M: Stump Grinder Servinski: Mini Excavator, Bobcat Fisher: Hand Tools 	Log
Field Person: Gary Waugh	Date: 6/3/13	
DESCRIPTION OF SOILS F	EMOVAL	
Remediation Area (Sq Ft): 4321	Yards In: 0 Yards Out: 90 * See Be	elow
Description of Cut Depth:		

All soils within the remediation area square footage were removed to an average depth of 12 inches.

Verification	Measured depth of cut along excavation	Date Verified/Initial: GW 6/3/13
Method:	line	
Describe soils re	maining: No remaining soils.	

DESCRIPTION OF FIELD ACTIVITIES:

Kappen Tree Service: Removed the select trees. The wood chips and logs were hauled to the Allied staging area.

M&M: Ground the tree stumps remaining from the tree removal.

Servinski/Fisher: Began the soils dig out. The property is congested with existing landscaping. Soils in several areas will have to be removed by hand digging. Silt fence installed at the curb line along North St.

* Yard Out:

90yrds – Soil relocated to (Salzburg Landfill MAS Stockpile Area)

Gary Waugh

6/3/13

Date

Field Representative Signature

Weather: Clear, 40 - 65, light winds.

PROPERTY INFORMATION

Property Owner: Robert & Dawn Hart	tley Property Add	ress: 1107 North St.	
Contract Personnel:	Contractor Eq	uipment:	
• Servinski	• Servi	nski: Mini Excavator, Bobcat	
• Fisher	• Fishe	• Fisher: Hand Tools	
Sugar Construction Sugar: Hand Tools		:: Hand Tools	
Reliable Plumbing	6		
Field Person: Gary Waugh	Date: 6/4/13		
	REMOVAL		
DESCRIPTION OF SOILS		1011 Vorda Out. 00 * Soo Polow	
DESCRIPTION OF SOILS Remediation Area (Sq Ft): 4321	REMOVAL Yards In: 129 * See Be	low Yards Out: 90 * See Below	
DESCRIPTION OF SOILS		low Yards Out: 90 * See Below	

All soils within the remediation area square footage were removed to an average depth of 12 inches.

Verification	Measured depth of cut along excavation	Date Verified/Initial: GW 6/3/13
Method:	line	
Describe soils remaining: No remaining soils.		

DESCRIPTION OF FIELD ACTIVITIES:

Reliable Plumbing: Installed the backflow preventer and necessary plumbing to accommodate the irrigation system.

Sugar Construction: Poured a 12ft x 12ft concrete patio in the back yard area.

Servinski/Fisher: Complete the soils dig out and importing topsoil. Silt fence installed at the curb line along North St.

* Yard Out:

90yrds - Soil relocated to (Salzburg Landfill MAS Stockpile Area)

* Yards In: 105yrds – Topsoil 4yrds - Sand

Gary Waugh

Field Representative Signature

Weather: Clear, 50 - 70, light winds.

6/4/13

PROPERTY INFORMATION

Property Owner: Robert & Dawn Hartley	Property Address: 1107 North St.	
Contract Personnel:	Contractor Equipment:	
• Servinski	Servinski: Mini Excavator, B	obcat
• Fisher	• Fisher: Hand Tools	
Field Person: Gary Waugh	Date: 6/5/13	
DESCRIPTION OF SOILS RE		
Remediation Area (Sq Ft): 4321	Yards In: 24 * See Below Yards Out: 0	
Description of Cut Depth:	6	0.1

All soils within the remediation area square footage were removed to an average depth of 12 inches.

Verification	Measured depth of cut along excavation	Date Verified/Initial: GW 6/3/13
Method:	line	
Describe soils re	maining: No remaining soils.	

DESCRIPTION OF FIELD ACTIVITIES:

Servinski/Fisher: Final graded the topsoil, defined landscaping beds, installed edging and placed stone boarders. Drainage stone and hardwood mulch was placed in the appropriate beds and shrubs and trees were planted. Silt fence installed at the curb line along North St.

* Yard In: 10yrds – Drainage Stone 3yrds – Red Limestone 11yrds – Hardwood Mulch

Gary Waugh

6/5/13

Field Representative Signature

Weather: Partly cloudy, 55 – 70, light winds.

PROPERTY INFORMATION

Property Owner: Robert & Dawn Hartley	Property Address: 1107 North St.
Contract Personnel: • Servinski • Fisher • Kokaly	Contractor Equipment: • Servinski: Mini Excavator, Bobcat • Fisher: Hand Tools • Kokaly: Hand Tools
Field Person: Gary Waugh	Date: 6/6/13
DESCRIPTION OF SOILS REM	MOVAL
Remediation Area (Sq Ft): 4321	Yards In: 24 * See Below Yards Out: 0
Description of Cut Depth: All soils within the remediation area square	e footage were removed to an average depth of 12 inches.

Verification	Measured depth of cut along excavation	Date Verified/Initial: GW 6/3/13
Method:	line	
Describe soils rea	naining: No remaining soils.	

DESCRIPTION OF FIELD ACTIVITIES:

Kokaly: Installed the irrigation system, piping, sprinkler heads, low voltage wiring and valves.

Servinski/Fisher: Final prepped the topsoil and planted the remaining flowers. Sod was placed and trimmed. 1107 North St. is complete pending a final walk through with the home owner.

Gary Waugh

6/6/13

Field Representative Signature

Weather: Cloudy, 55 – 69, light winds.

Green Remediation Assurance Form Midland Resolution		
Property Information		
Property Owner: <u>Robert & Dawn Hartley</u> Contract Personnel: <u>Pat's Trucking, Servinski</u>		
Property Address: <u>1107 North St.</u>		
Field Person: Gary Waugh Date: 6/6/2013		
Fuel Usage		
Low Sulfur Diesel Used:Yes [X] No[] N/A[]		
Equipment		
Tier 3 and Tier 4 Diesel Motors Manufactured		
After 2006:Yes [X] No[] N/A []		
Equipment Shut Off When Not In Use (No Idling):Yes [X] No[] N/A []		
Equipment Inspected For Leaks, Seepages, ETC:Yes [X] No[] N/A []		
Administrative		
Vegetation and Plants Supplied Locally:		
Local Subcontractors Used:		
Borrow Pit Source Selected Closer to Project but Within		
Mandated Radius Criteria:Yes [X] No[] N/A []		
Waste Management		
Waste Generated Recycled (0)%:Yes [] No[X] N/A []		
Wood/Tree's Removed Chipped and Staged for Use		
Along Tittabawasse River Flood Plain as Barrier		
Or Dust Control:Yes [X] No[] N/A []		
Landscaping/Perennial Plants Brought to Site in		
Recyclable Pots that Will Be Collected and Reused		
By Supplier:		
Project Controls		
Recycled Newspaper Used as Binder for Hydroseeding		
Portions:		
Geosynthetics Used on Property Access Area:		
Tarps Used on Trucks During Soil Removal:Yes [X] No[] N/A []		
Tarps Used on Borrow Trucks:		
Active Dust Management System Used:Yes [] No[] N/A [X]		
Phosphate Free Fertilizers Used:Yes [] No[] N/A [X]		
Removed Soil Taken to Dow Plant For Reuse in Facility:Yes [] No[X] N/A []		
Use of Sod as the Preferred Revegitation Tool:Yes [X] No[] N/A []		
Upgrading Irrigation Controls to Include a Rain Sensor:Yes [X] No[] N/A []		
Preprogramming Irrigation System to Water Only at		
Prescribed Rates and Times:Yes [X] No[] N/A []		
Reuse Existing Concrete Foundations When PossibleYes [] No[X] N/A []		
Use Water Efficient LandscapingYes [] No[] N/A [X]		
Clean Manholes, Curb Inlets, Drop Inlets, Trench Drains,		
Gratings, and Frames of Construction Debris, Dirt,		
and TrashYes [X] No[] N/A []		





LEG EN D Remediated Area Property

Total Yard Area: 5592 sq. ft. Are a Excavated : 5592 sq. ft. Total Area Not Excavated: 0 sq. ft.

0

15 30

Feet Parcel 14-16-40-056 Midland Resolution Soil Replacements

Dow Midland Soils Remedy Worksheet

Site Address: 1117 North St. Parcel: 14-16-40-056 Date: 6-Nov-13

Dale.	0-1100-13	
Initial Soil Sam 286 If < or = 220, No Re If > 280, Remedy If >220 but < or = 2	Soil Result (ppt)	Soil Remedy Result:
Replicate Soil \$ 2.92 If > 250, Remedy If < 0r = 250, No Remedy	Samples Initial soil result (ppt) Replicate result (ppt) Replicate result (ppt) Average (ppt) Standard Deviation (ppt) t (0.95, 2) 95% UCL (Student's t Upper Confidence Limit)	Soil Replicate Remedy Result:
If Soil Remedy 286 5592	Required, Evaluate Indoor Dust: Initial soil result or 95% UCL if replicates were required (ppt) Area of yard (ft ²) (area as sampled)	Indoor Dust Remedy Result: NO REMEDY
0 15	Area not remedied (ft ²) Surface Weighted Average (SWA) (ppt)	
0% <u>5.36E-06</u>	% Undisturbed Remaining Soil (URS) Risk is acceptable if < or = 10^{-5}	

PROPERTY INFORMATION

Property Owner: Lydia Moore		Property Address: 1117 North St.	
Contract Personnel:		Contractor Equipment:	
Servinski		Servinski: E	Excavator, Mini Excavator,
• Fisher		Bobcat	
		• Fisher: Hand Tools	
Field Person: Gary Waugh		Date: 6/6/13	
DESCRIPTION OF SOILS RE	MOVA	L	
Remediation Area (Sq Ft): 4321	Yards In:	: 135 * See Below	Yards Out: 210 * See Below
Description of Cut Depth:			
-			
All soils within the remediation area square	were removed to an av	verage depth of 12 inches	
TT 'C' I' IT I I I C			

Verification Method:	Measured depth of cut along excavation line	Date Verified/Initial: GW/PH 6/6/13		
Describe soils remaining: All soils removed.				

DESCRIPTION OF FIELD ACTIVITIES:

Servinski/Fisher: This property is located at the corner of North and Jefferson Streets. It was determined by the project team that Jefferson St would be the best location to load and dump trucks during the soils removal and importing topsoil. Due to the high volume of traffic along Jefferson St. a lane closure was necessary.

The crew began the soils dig out and importing topsoil. At the end of the day silt fence was installed at the curb line along North and Jefferson Streets.

* Yards Out:

210yrds – Soil relocated to (Salzburg Landfill MAS Stockpile Area)

* Yards In: 135yrds - Topsoil

Gary Waugh

6/6/13

Field Representative Signature

Weather: Cloudy, 55 - 69, light winds

PROPERTY INFORMATION

Property Address: 1117 North St.
Contractor Equipment: Servinski: Mini Excavator, Bobcat Fisher: Hand Tools Reliable: Hand Tools Kokaly: Hand Tools Sugar: Hand Tools
Date: 6/7/13

Remediation Area (Sq Ft): 4321 Yards In: 21 * See Below Yards Out: 27 * See					
Description of Cut Depth:					
All soils within the	e remediation area square fo	ootage were remov	ved to an ave	erage depth of 12 inches	
Verification	Measured depth of cut al	ong excavation	Date Verif	ied/Initial: GW/PH 6/7/13	
Method:	line				
Describe soils rem	aining: All soils removed.				

DESCRIPTION OF FIELD ACTIVITIES:

Reliable Plumbing: Installed the backflow preventer and necessary plumbing to accommodate the irrigation system.

Kokaly: Installed the irrigation piping, sprinkler heads, low voltage wiring and valves.

Sugar Construction: Poured the concrete for a 10ft x 20ft patio and a small section of city sidewalk 4ft x 6ft.

Servinski/Fisher: Set up the lane closure along Jefferson St. Completed the soils dig out and importing topsoil. The topsoil was final prepped and landscape beds were defined. Edging was installed, shrubs planted and drainage stone placed. Sod was placed and trimmed. 1117 North is complete pending a final walk through with the property owner.

* Yards Out: 27yrds – Soil relocated to (Salzburg Landfill MAS Stockpile Area)

Yards In:
 21yrds – Stone Mix
 10yrds – Drainage Stone

DESCRIPTION OF FIELD ACTIVITIES – CONTINUED:

Gary Waugh

6/7/13

Date

Field Representative Signature

Weather: Partly cloudy, 55-65, light winds

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Green Remediation Assurance Form Midland Resolution
Property Information Property Owner: Lydia Moore Contract Personnel: Pat's Trucking, Servinski
Property Address:1117 North St.Field Person:Gary WaughDate:6/6/2013
Fuel Usage Low Sulfur Diesel Used:Yes [X] No[] N/A[]
Equipment
Tier 3 and Tier 4 Diesel Motors Manufactured After 2006:Yes [X] No[] N/A [] Equipment Shut Off When Not In Use (No Idling):Yes [X] No[] N/A []
Equipment Inspected For Leaks, Seepages, ETC:Yes [X] No[] N/A []
Administrative
Vegetation and Plants Supplied Locally:Yes [X] No[] N/A [] Local Subcontractors Used:Yes [X] No[] N/A [] Borrow Pit Source Selected Closer to Project but Within Mandated Radius Criteria:Yes [X] No[] N/A []
Waste Management Waste Generated Recycled (0)%:Yes [] No[X] N/A [] Wood/Tree's Removed Chipped and Staged for Use Along Tittabawasse River Flood Plain as Barrier
Or Dust Control:Yes [X] No[] N/A [] Landscaping/Perennial Plants Brought to Site in Recyclable Pots that Will Be Collected and Reused By Supplier:Yes [X] No[] N/A []
Project Controls
Recycled Newspaper Used as Binder for Hydroseeding
Portions:Yes [] No[] N/A [X] Geosynthetics Used on Property Access Area:Yes [X] No[] N/A [] Tarps Used on Trucks During Soil Removal:Yes [X] No[] N/A [] Tarps Used on Borrow Trucks:Yes [X] No[] N/A [] Active Dust Management System Used:Yes [] No[] N/A [X] Phosphate Free Fertilizers Used:Yes [] No[] N/A [X]
Removed Soil Taken to Dow Plant For Reuse in Facility:Yes [] No[X] N/A [] Use of Sod as the Preferred Revegitation Tool:Yes [X] No[] N/A [] Upgrading Irrigation Controls to Include a Rain Sensor:Yes [X] No[] N/A [] Preprogramming Irrigation System to Water Only at
Prescribed Rates and Times:Yes [X] No[] N/A [] Reuse Existing Concrete Foundations When PossibleYes [] No[X] N/A [] Use Water Efficient LandscapingYes [] No[] N/A [X] Clean Manholes, Curb Inlets, Drop Inlets, Trench Drains, Gratings, and Frames of Construction Debris, Dirt,
and TrashYes [X] No[] N/A []





LEG EN D Remediated Area

Total Yard Area:Area Excavated:7504 sq. ft.7504 sq. ft.

Area Excavated: Total Area Not Excavated: 7504 sq. ft. 0 sq. ft.

0 15

30

Feet Parcel 14-16-40-194 60 Midland Resolution Soil Replacement

Dow Midland Soils Remedy Worksheet

Site Address: 916 North St. Parcel: 14-16-40-194 Date: 4-Nov-13

Date:	4-Nov-13	
Initial Soil Sam 288 If < or = 220, No Re If > 280, Remedy If > 220, but < or = 2	Soil Result (ppt)	Soil Remedy Result:
11 >220 But < 01 = 2		
Replicate Soil 3 2.92 If > 250, Remedy If < 0r = 250, No Remedy	Initial soil result (ppt) Replicate result (ppt) Replicate result (ppt) Average (ppt) Standard Deviation (ppt) t (0.95, 2) 95% UCL (Student's t Upper Confidence Limit)	Soil Replicate Remedy Result:
If Soil Remedy 288	Required, Evaluate Indoor Dust: Initial soil result or 95% UCL if replicates were required (ppt)	Indoor Dust Remedy Result:
7504	Area of yard (ft ²) (area as sampled)	NO REMEDY
0	Area not remedied (ft ²)	
15	Surface Weighted Average (SWA) (ppt)	
0%	% Undisturbed Remaining Soil (URS)	
<u>5.39E-06</u>	Risk is acceptable if < or = 10^{-5}	

PROPERTY INFORMATION

Property Owner: D	ennis & Kathleen John		Property	Address: 9	16 North
Contract Personnel: • Kappen Tree Service • Servinski • Pat's		 Property Address: 916 North Contractor Equipment: Kappen: Boom Crane, Bucket Truck, Log Truck, Chipper, Stinger Servinski: Mini Excavator, Bobcat Pat's: Dump Trucks 			
Field Person: Gary	Waugh		Date: 4/22/2013		
DESCRIPTIO	N OF SOILS REM	IOVAI			
Remediation Area (Sq Ft): 7541 Yards In:			105		Yards Out: 270 * See below
Description of Cut	1				
 Tree, rear of garage 10ft radius – cut 3in – 12in taper Tree out lawn along North St. 10ft radius – cut 3in – 12in taper All other soils average cut depth – 12in 					
Verification	A laser level was used t	o measure	e cut	Date Verif	ied/Initial: SS/GW – 4/22/13
Method:	depth and determine fin				
Describe soils rema	ining: No remaining soi	ls except a	around (2)	trees (See a	above)

DESCRIPTION OF FIELD ACTIVITIES:

Kappen Tree Service: Began the tree removal on 4/17/13 and completed it today. The wood chips and tree logs were hauled to Allied and staged on site.

Servinski/Fisher: Started the soils dig out with the majority of soils removed. Some topsoil was imported onto the site and rough graded.

* Yards Out: (45) yards of concrete/debris was hauled to the Midland City Landfill for disposal and (225) yards of soil was hauled/relocated to the Salzburg Landfill MAS Stockpile Area. Silt fence was installed at the curb lines along North St and Haley St. and the sidewalks were barricaded closed for pedestrian safety.

Gary Waugh

4/22/13

Field Representative Signature

Weather: Sunny, 45 – 64, calm winds

PROPERTY INFORMATION

Property Owner: Dennis & Kathleen John	Property Address: 916 North	
Contract Personnel: • Servinski • Fisher • Pat's • Kokaly • Reliable Plumbing • Sugar Construction	 Contractor Equipment: Servinski: Mini Excavator, Bobcats, Loader Pat's: Dump Trucks Kokaly: Ditchwitch, Hand Tools Reliable: Hand Tools Sugar: Hand Tools 	
Field Person: Gary Waugh	Date: 4/23/2013	
DESCRIPTION OF SOILS REMOVA	L	
Remediation Area (Sq Ft): 7541 Yards In	: *See Below Yards Out: 165 * See below	

- Tree, rear of garage 10ft radius cut 3in 12in taper
- Tree out lawn along North St. 10ft radius cut 3in 12in taper
- All other soils average cut depth 12in

Verification	A laser level was used to measure cut	Date Verified/Initial: SS/GW – 4/22/13		
Method:	depth and determine final grade			
Describe soils remaining: No remaining soils except around (2) trees (See above)				

DESCRIPTION OF FIELD ACTIVITIES:

Servinski/Fisher: Completed the dig out, imported topsoil onto the site. The out lawn along Haley St. was final prepped and sod was placed. Also the out lawn along North St. from the driveway east to Haley St. was final prepped and sod was placed.

* Yards Out:

30yrds of concrete/debris hauled to the Midland City Landfill for disposal.

135yrds soils hauled/relocated to the Salzburg Landfill MAS Stockpile Area.

* Yards In:

195yrds – Topsoil

25yrds - Sand

Silt fence was installed at the curb line along North St. The sidewalks were barricaded closed for pedestrian safety.

Reliable Plumbing: Installed the backflow preventer and the necessary plumbing for the irrigation system.

Kokaly: Began installing the irrigation system supply lines, sprinkler heads and low voltage valves.

DESCRIPTION OF FIELD ACTIVITIES – CONTINUED:

Sugar Construction: Formed the drive approach, driveway and sidewalk along the west side of the house.

Gary Waugh

4/23/13

Field Representative Signature

Weather: Cloudy, 40 - 60, pm rain showers, light winds

PROPERTY INFORMATION

Property Owner: Dennis & Kathleen John		Property Address: 9	16 North
Contract Personnel: • Servinski • Fisher • Sugar Construction		Contractor Equipmen • Servinski: M Loader • Sugar: Hand	lini Excavator, Bobcats,
Field Person: Gary Waugh		Date: 4/24/2013	
DESCRIPTION OF SOILS RE	MOVA	L	
Remediation Area (Sq Ft): 7541	Yards In:	* See below	Yards Out: 0
Description of Cut Depth: See 4/23/13.			

DESCRIPTION OF FIELD ACTIVITIES:

See 4/23/13

Describe soils remaining: See 4/23/13

Sugar Construction: Poured the driveway, drive approach and the sidewalk along the west side of the house.

Date Verified/Initial:

Servinski/Fisher: Little work was performed today. The topsoil in the back yard was saturated due to the rain overnight. Several inches of the wet topsoil was removed and hauled back to the stockpile area at Fishers. Fresh topsoil will be imported tomorrow to final grade and prepare for sod.

* Yards In:

Verification

Method:

10yrds - Sand

Silt fence was installed at the curb line along North St. The sidewalks were barricaded closed for pedestrian safety.

Gary Waugh

4/24/13

Field Representative Signature

Weather: Cloudy, overnight rain, 35 - 40, light winds

PROPERTY INFORMATION

Property Owner: D	ennis & Kathleen John		Property Address:	916 North
Contract Personnel			Contractor Equipme	
Servinski				Bobcat, Loader
• Fisher			Sugar: Han	-
Sugar Cons	struction		-	tchwitch, Hand Tools
Kokaly				
Field Person: Gary	Waugh		Date: 4/25/2013	
	N OF SOILS RE	MOVA		
Remediation Area (* See below	Yards Out: 0
	Depth: See 4/23/13			
Verification	See 4/23/13		Date Ver	ified/Initial:
Method:				
Describe soils rema	ining: See 4/23/13			
	-			

DESCRIPTION OF FIELD ACTIVITIES:

Sugar Construction: Poured the city sidewalk section along North St. All concrete work is complete. The crew also set posts for the proposed chain link fence.

Kokaly: Completed the irrigation installation, piping, sprinkler heads, low voltage valves and wiring.

Servinski/Fisher: Prepared the remaining areas for sod. Placed drainage stone along the fence alignment and completed the sod. Site clean up.

* Yards In:

3yrds - Sand

6yrd - Drainage Stone

With the sod completed, all silt fence was pulled and the catch basin filters were removed. 916 North site is complete pending a final walk through with the property owners.

Gary Waugh

4/25/13

Field Representative Signature

Weather: Cloudy, 36 - 48, windy

Green Remediation Midland Re	
Property Information	
	Contract Personnel: Pat's Trucking, Servinski
Property Address: <u>916 North St.</u>	Conduct Ferdomien, <u>Fut 5 Franking, Servinski</u>
Field Person: <u>Gary Waugh</u>	Date: 4/24/2013
Fuel Usage	Duto. <u>4724/2015</u>
	Yes [X] No[] N/A[]
Equipment	
Tier 3 and Tier 4 Diesel Motors Ma	anufactured
	Yes [X] No[] N/A []
	Use (No Idling):Yes [X] No[] N/A []
	eepages, ETC:Yes [X] No[] N/A []
Equipment inspected 1 of Ecuid, St	
Administrative	
Vegetation and Plants Supplied Log	cally:Yes [X] No[] N/A []
	Yes [X] No[] N/A []
Borrow Pit Source Selected Closer	to Project but Within
	Yes [X] No[] N/A []
Waste Management	
Waste Generated Recycled (0)%	:Yes [] No[X] N/A []
Wood/Tree's Removed Chipped ar	
Along Tittabawasse River	Flood Plain as Barrier
Or Dust Control	
Landscaping/Perennial Plants Brou	
Recyclable Pots that Will B	•
•	
Project Controls	
Recycled Newspaper Used as Bind	or for Hydrogooding
	Yes [] No[] N/A [X]
	ccess Area:Yes [X] No[] N/A []
	Removal:
	Yes [X] No[] N/A []
	Used:Yes [] No[] N/A [X]
	Yes [X] No[] N/A [X]
	For Reuse in Facility:Yes [] No[X] N/A []
Use of Sod as the Preferred Revegi	tation Tool:Yes [X] No[] N/A []
Upgrading Irrigation Controls to In	clude a Rain Sensor:Yes [X] No[] N/A []
Preprogramming Irrigation System	to Water Only at
Reuse Existing Concrete Foundation	ons When PossibleYes [] No[] N/A [X]
Clean Manholes, Curb Inlets, Drop	
Gratings, and Frames of Constructi	
	Yes [X] No[] N/A []





MIDLAND RESOLUTION

LEG END Remediated Area Property Total Yard Area: 22382 sq. ft.

Area Excavated:Total Area Not Excavated:22382 sq. ft.0 sq. ft.

0 15 30

Feet 60 Parcel 14-23-30-394 Midland Resolution Soil Replacement

Dow Midland Soils Remedy Worksheet

Site Address: 2602 Parsons Ct. Parcel: 14-23-30-394 Date: 4-Nov-13 Initial Soil Sample Soil Remedy Result: 287 Soil Result (ppt) REMEDY If < or = 220, No Remedy If > 280, Remedy If >220 but < or = 280, Test Replicates Soil Replicate **Replicate Soil Samples** Initial soil result (ppt) **Remedy Result:** ------Replicate result (ppt) Replicate result (ppt) ---Average (ppt) ---Standard Deviation (ppt) -t (0.95, 2) 2.92 95% UCL (Student's t Upper Confidence Limit) ---If > 250, Remedy If < or = 250, No Remedy If Soil Remedy Required, Evaluate Indoor Dust: Indoor Dust Initial soil result or 95% UCL if 287 **Remedy Result:** replicates were required (ppt) Area of yard (ft^2) (area as sampled) 22382 **NO REMEDY** Area not remedied (ft^2) 0 Surface Weighted Average (SWA) (ppt) 15 0% % Undisturbed Remaining Soil (URS) Risk is acceptable if $< \text{ or} = 10^{-5}$ 5.37E-06

PROPERTY INFORMATION

Property Owner: G	ordon & Beulah McCa	nn	Property Add	ddress: 2602 Parsons Ct.	
Contract Personnel: Kappen Tre Servinski Fisher Pats	ee Service - 9/30/13		Chip • Serv • Fish	Equipment: ppen: Boom Crane, Bucket Truck, ipper vinski: Excavator, Dozer, Bobcat her: Hand Tools s: Trucks	
Field Person: Gary	Waugh		Date: 10/1/13		
DESCRIPTIO	N OF SOILS RE	MOVA	L		
Remediation Area (Sq Ft): 22,500	Yards In:	: 0	Yards Out: 120 * See Below	
Description of Cut Depth: All soils within the remediation area were excavated to an average depth of 12 inches					
Verification Method:	Measured depth of cut line.	t at the exc	avation Da	Date Verified/Initial: 10/1/13 GW/GC	
Describe soils rema	ining: An area approxi	mately 710) sq ft will be l	left in place. Owners request.	

DESCRIPTION OF FIELD ACTIVITIES:

Kappen Tree Service: Was on site 9/30/13 and 10/1/13 (today) and removed the selected trees. The wood chips and tree logs were hauled to the Allied staging area.

Servinski/Fisher: The crew began the soils dig out today starting in the rear of the property. An excavator was used to make an initial cut along the property lines then a dozer was used to push the soils into a pile. Trucks were loaded with the excavator from the soil pile. Access was gained through the neighboring properties driveway. The driveway is existing asphalt and will be replaced with concrete after 2602 Parsons is complete. Catch basin filters were in place along Parsons and silt fence was installed at the rear of the property, both were checked and in good condition. Water was applied to the soils during load out to control dust.

* Yards Out:

60yrds – Stumps/debris were hauled to (Midland City Landfill) for disposal 120yrds – Soil relocated to (Dow MIOPS Poseyville Landfill MAS Stockpile Area)

Gary Waugh

10/1/13

Field Representative Signature

Weather: Clear, 53 – 72, calm winds

PROPERTY INFORMATION

					<pre>coa b</pre>
Property Owner: G	ordon & Beulah McCa	ann	Property .	Address: 26	502 Parsons Ct.
Contract Personnel:			Contracto	or Equipmen	nt:
 Servinski 			• S	ervinski: Ex	cavator, Dozer, Bobcat
• Fisher			• F	isher: Hand	Tools
• Pats			• P	ats: Trucks	
Sugar Cons	truction			ugar: Hand	Tools
Field Person: Gary	Waugh		Date: 10	/2/13	
·	ě.			2/13	
DESCRIPTIO	N OF SOILS RE	CMOVA.			
Remediation Area (Sq Ft): 22,500	Yards In:	: 225 * See	e Below	Yards Out: 975 * See Below
Description of Cut	•	. 1		1 .1 0	
All soils within the	remediation area were	excavated	to an avera	ige depth of	12 inches
Verification	Measured depth of cu	t at the exc	avation	Date Verif	Fied/Initial: 10/2/13 GW/GC
Method:	line.				
Describe soils rome	ining: An area approxi	motoly 710	a = ft = 11	ha laft in ml	and Owners request

DESCRIPTION OF FIELD ACTIVITIES:

Servinski/Fisher: The crew continued the soils dig out completing the majority of the removal. Some topsoil was imported placed and rough graded. Catch basin filters and the silt fence were in place and in good condition.

* Yards Out:

15yrds – Stumps/debris were hauled to (Midland City Landfill) for disposal 975yrds – Soil relocated to (Dow MIOPS Poseyville Landfill MAS Stockpile Area)

* Yards In: 225yrds - Topsoil

Gary Waugh

10/2/13

Field Representative Signature

Weather: Clear, 55 - 78, calm winds

PROPERTY INFORMATION

Property Owner: Gordon & Beulah McCann	Property Address: 2602 Parsons Ct.	
Contract Personnel:	Contractor Equipment:	
• Servinski	• Servinski: Excavator, Dozer, Bobcat	
• Fisher	• Fisher: Hand Tools	
• Pats	Pats: Trucks	
Field Person: Gary Waugh	Date: 10/3/13	
DESCRIPTION OF SOILS REMOVA	L	
Remediation Area (Sq Ft): 22,500 Yards In	: 855 * See Below Yards Out: 60 * See Below	
Description of Cut Depth:		
All soils within the remediation area were excavated	to an average depth of 12 inches	
Verification Measured depth of cut at the ex-	cavation Date Verified/Initial: 10/2/13 GW/GC	
Method: line.		
Describe soils remaining: An area approximately 710 sq ft will be left in place. Owners request.		

DESCRIPTION OF FIELD ACTIVITIES:

Sugar Construction: Formed and poured the concrete for a replacement section of sidewalk 9ft x 11ft.

Servinski/Fisher: The crew completed the soils dig out and importing the remaining topsoil. Trees and shrubs were planted. Edging was installed around the garage and shed and drainage stone was then placed. The topsoil was final prepped and hand rake where necessary. Hydro seed was applied. 2602 Parsons is complete pending a walk through with the property owner. Note: The neighboring driveway is scheduled to be removed on Monday 10/7/13 and the concrete poured on 10/9/13.

* Yards Out:

15yrds – Stumps/debris were hauled to (Midland City Landfill) for disposal

60yrds – Soil relocated to (Dow MIOPS Poseyville Landfill MAS Stockpile Area)

* Yards In:

855yrds – Topsoil 7yrds – Stone Mix

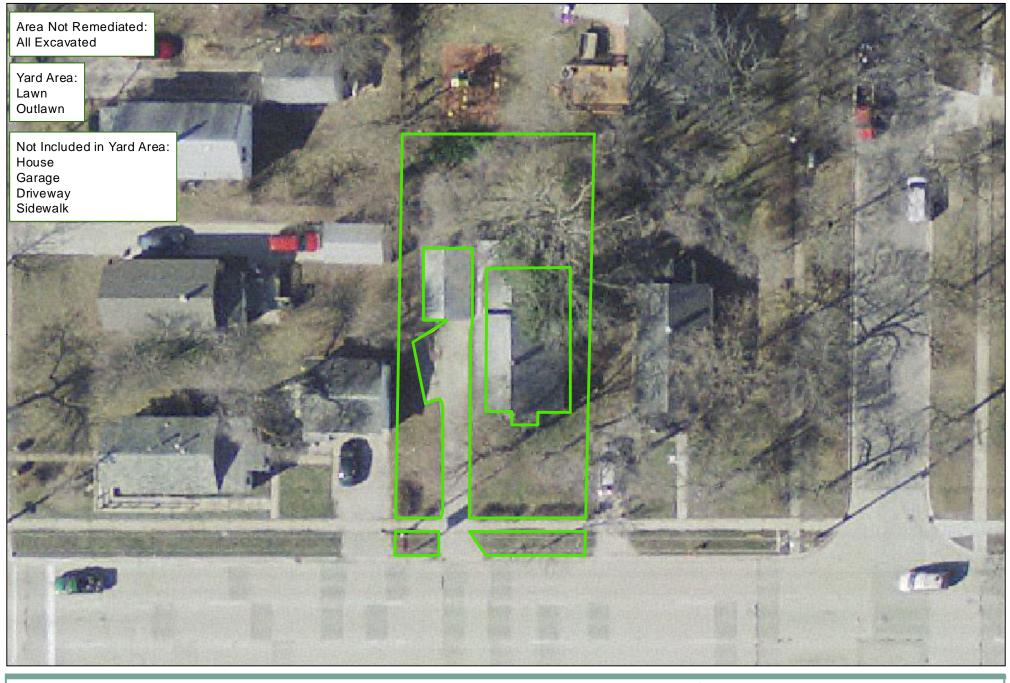
Gary Waugh

10/3/13

Field Representative Signature

Weather: Clear, 52 – 78, calm winds

Green Remediation Assurance Form Midland Resolution				
Property Information				
Property Owner: Gordon McCann	Contract Personnel: Pat's Trucking, Servinski			
Property Address: <u>2602 Parsons Ct.</u>	_			
Field Person: Gary Waugh	Date: <u>10/2/2013</u>			
Fuel Usage				
Low Sulfur Diesel Used:	Yes [X] No[] N/A[]			
Equipment				
Tier 3 and Tier 4 Diesel Motors Man	nufactured			
After 2006:	Yes [X] No[] N/A []			
Equipment Shut Off When Not In U	se (No Idling):Yes [X] No[] N/A []			
	pages, ETC:Yes [X] No[] N/A []			
Administrative				
	ally:Yes [X] No[] N/A []			
	Yes [X] No[] N/A []			
Borrow Pit Source Selected Closer to				
	Yes [X] No[] N/A []			
Waste Management				
0	Yes [] No[X] N/A []			
Wood/Tree's Removed Chipped and				
Along Tittabawasse River Fl	•			
	Yes [X] No[] N/A []			
Landscaping/Perennial Plants Broug				
Recyclable Pots that Will Be				
•	Yes [X] No[] N/A []			
Project Controls				
Recycled Newspaper Used as Binder	r for Hydroseeding			
• • • •	Yes [] No[] N/A [X]			
	cess Area:Yes [X] No[] N/A []			
	emoval:Yes [X] No[] N/A []			
	Yes [X] No[] N/A []			
Active Dust Management System Us	sed:Yes [] No[] N/A [X]			
	Yes [] No[] N/A [X]			
	For Reuse in Facility:Yes [] No[X] N/A []			
	tion Tool:Yes [X] No[] N/A []			
	lude a Rain Sensor:Yes [X] No[] N/A []			
Preprogramming Irrigation System to				
	Yes [X] No[] N/A []			
	s When PossibleYes [] No[X] N/A []			
	Yes [] No[] N/A [X]			
Clean Manholes, Curb Inlets, Drop I				
Gratings, and Frames of Con-				
•	Yes [X] No[] N/A []			





Remediated Area

LEGEND

Total Yard Area:Area Excavated:5237 sq. ft.5237 sq. ft.

Total Are a Not Excavated: 0 sq.ft.

0

15

30 Feet Parcel 14-15-50-748 Midland Resolution Soil Replacements

Dow Midland Soils Remedy Worksheet

0%

6.96E-06

Site Address: 111 E. Patrick Rd. Parcel: 14-15-50-748 Date: 4-Nov-13 Initial Soil Sample Soil Remedy Result: Soil Result (ppt) REMEDY 377 If < or = 220, No Remedy If > 280, Remedy If >220 but < or = 280, Test Replicates Soil Replicate **Replicate Soil Samples** Initial soil result (ppt) **Remedy Result:** ------Replicate result (ppt) Replicate result (ppt) ---Average (ppt) ---Standard Deviation (ppt) -t (0.95, 2) 2.92 95% UCL (Student's t Upper Confidence Limit) ---If > 250, Remedy If < or = 250, No Remedy If Soil Remedy Required, Evaluate Indoor Dust: Indoor Dust Initial soil result or 95% UCL if 377 **Remedy Result:** replicates were required (ppt) Area of yard (ft^2) (area as sampled) 5237 **NO REMEDY** Area not remedied (ft^2) 0 Surface Weighted Average (SWA) (ppt) 15

> % Undisturbed Remaining Soil (URS) *Risk is acceptable if < or = 10^{-5}*

PROPERTY INFORMATION

Property Owner: Wayne Beehr	Property Address: 111 E. Patrick			
Contract Personnel: • Kappen Tree Service – 6/4/13 • Servinski • Fisher • M & M	Contractor Equipment: • Kappen: Bucket Truck, Chipper, Truck	 Kappen: Bucket Truck, Chipper, Log Truck Servinski: Excavator, Mini Excavator, Dozer, Bobcats Fisher: Hand Tools 		
Field Person: Gary Waugh	Date: 6/18/13			
DESCRIPTION OF SOILS RI	IOVAL			
Remediation Area (Sq Ft): 4935	Yards In: 30 * See Below Yards Out: 210 *	See Below		

All soils within the remediation area square footage were removed to an average depth of 12 inches.

Verification	Laser level used to check cut depth	Date Verified/Initial: 6/18/13			
Method:					
Describe soils remaining: No remaining soils					

DESCRIPTION OF FIELD ACTIVITIES:

Kappen Tree Service: Was on site 6/4/13 and removed the select trees and shrubs. All wood chips and logs were hauled the Allied staging area.

M & M: Onsite today and ground the stumps remaining from the tree removal.

Servinski/Fisher: Began and completed the soils dig out. Some topsoil was imported, placed and graded. At the end of the work day silt fence was installed at the curb line along Patrick Rd. The site was cleaned up and barricades placed as needed.

* Yards Out: 210yrds – Soil relocated to (MIOPS Dow WIF project)

* Yards In: 30yrds - Topsoil

Gary Waugh

6/18/13

Field Representative Signature

Weather: Clear, 58 -71, breezy

PROPERTY INFORMATION

Property Owner: W	Vayne Beehr	F	Property	Address: 1	11 E. Patrick
Contract Personnel		(Contracto	r Equipmer	nt:
 Servinski 			• S	ervinski: Ex	cavator, Mini Excavator,
Fisher				ozer, Bobc	
Reliable Pl	umbing		• Fisher: Hand Tools		
			• R	eliable Plur	nbing: Hand Tools
Field Person: Gary	Waugh	Ι	Date: 6/1	9/13	
DESCRIPTIO	N OF SOILS RE	MOVAL			
Remediation Area ((Sq Ft): 4935	Yards In:	135 *See	Below	Yards 0
Description of Cut	Depth:				
All soils within the	remediation area square	e footage we	ere remov	red to an ave	erage depth of 12 inches.
		4	é.		
Verification	Laser level used to che	eck cut depth	h	Date Verif	fied/Initial: 6/18/13
Method:		-			

Describe soils remaining: No remaining soils

DESCRIPTION OF FIELD ACTIVITIES:

Reliable Plumbing: Installed the backflow preventer and necessary plumbing to accommodate the irrigations system.

Servinski/Fisher: Completed importing and grading topsoil. At the end of the work day silt fence was installed at the curb line along Patrick Rd. The site was cleaned up and barricades placed as needed.

*	Yards In:
	135yrds - Topsoil

Gary Waugh

6/19/13

Field Representative Signature

Weather: Clear, 45 -75, light winds

PROPERTY INFORMATION

Property Owner: W	/ayne Beehr		Property Address	: 111 E. Patrick
Contract Personnel:			Contractor Equip	ment:
 Servinski 			 Servinsk 	i: Excavator, Mini Excavator,
• Fisher			Dozer, B	obcats
Kokaly			Fisher: H	land Tools
_			Kokaly:	Hand Tools
Field Person: Gary	Waugh		Date: 6/20/13	
DESCRIPTIO	N OF SOILS RE	MOVA	L	
Remediation Area (Sq Ft): 4935	Yards In:	: 12 *See Below	Yards 0
Description of Cut I	Depth:			
All soils within the	remediation area square	e footage v	vere removed to a	average depth of 12 inches.
Verification Method:	Laser level used to che	eck cut dep	oth Date V	/erified/Initial: 6/18/13
Describe soils rema	ining: No remaining s	oils		

DESCRIPTION OF FIELD ACTIVITIES:

Kokaly: Installed the irrigation system piping, wiring, low voltage valves and sprinkler heads.

Servinski/Fisher: Landscape beds were defined, edging installed and drainage stone was placed. At the end of the work day silt fence was installed at the curb line along Patrick Rd. The site was cleaned up and barricades placed as needed.

* Yards In: 12yrds – Drainage Stone

Gary Waugh

6/20/13

Field Representative Signature

Weather: Clear, 48 -80, light winds

PROPERTY INFORMATION

Property Owner: V	Vayne Beehr		Property	Address: 1	11 E. Patrick
Contract Personnel			Contracto	or Equipme	nt:
 Servinski 			• S	ervinski: P	re Seeder, bobcats
• Fisher			• F	isher: Hand	I Tools
Field Person: Gary	Waugh		Date: 6/2	21/13	
	N OF SOILS RE	MOVA	L		
Remediation Area ((Sq Ft): 4935	Yards In:	: ?? *See]	Below	Yards 0
Description of Cut	Depth:				
All soils within the	remediation area square	e footage v	were remov	ed to an av	erage depth of 12 inches.
Verification	Laser level used to che	eck cut dep	oth	Date Veri	fied/Initial: 6/18/13
Method:					
Describe soils rema	ining: No remaining s	oils			

DESCRIPTION OF FIELD ACTIVITIES:

Servinski/Fisher: Landscape beds were completed. Topsoil was finish prepped and hydro seed applied. A final site cleanup was performed. 111 E. Patrick is complete pending a final walk through with the property owner.

Gary Waugh

6/21	/13
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Field Representative Signature

Weather: Clear, 62 -85, light winds

Green Remediation Assuranc Midland Resolution	ce Form
Property Information	
Property Owner: Wayne Beehr Contract Personnel:	: Pat's Trucking, Servinski
Property Address: <u>111 E. Patrick St.</u>	
Field Person: Gary Waugh	Date: 6/20/2013
Fuel Usage	Dute. <u>Greaters</u>
Low Sulfur Diesel Used:	Ves [Y] No[] N/A[
Low Suntai Dieser Osed	
Equipment	
Tier 3 and Tier 4 Diesel Motors Manufacture	d
After 2006:	Yes [X] No[] N/A [
Equipment Shut Off When Not In Use (No Id	lling):Yes [X] No[] N/A [
Equipment Inspected For Leaks, Seepages, E	
Administrative	
Vegetation and Plants Supplied Locally:	
Local Subcontractors Used:	
Borrow Pit Source Selected Closer to Project	
Mandated Radius Criteria:	Yes [X] No[] N/A [
Wasta Managamant	
Waste Management Waste Generated Recycled (0)%:	
Wood/Tree's Removed Chipped and Staged f	
Along Tittabawasse River Flood Plain	
Or Dust Control:	
Landscaping/Perennial Plants Brought to Site	
Recyclable Pots that Will Be Collected	
By Supplier:	Yes [A] No[] N/A []
Project Controls	
Recycled Newspaper Used as Binder for Hyd	lroseeding
Portions:	•
Geosynthetics Used on Property Access Area	
Tarps Used on Trucks During Soil Removal:	
Tarps Used on Borrow Trucks:	
Active Dust Management System Used:	
Phosphate Free Fertilizers Used:	
Removed Soil Taken to Dow Plant For Reuse	
Use of Sod as the Preferred Revegitation Too	
Upgrading Irrigation Controls to Include a Ra	
Preprogramming Irrigation System to Water (
Prescribed Rates and Times:	•
Reuse Existing Concrete Foundations When I	
Use Water Efficient Landscaping	
Clean Manholes, Curb Inlets, Drop Inlets, Tre	
Gratings, and Frames of Construction	
	Yes [X] No[] N/A []





LEG EN D Remediated Area Property

Total Yard Area:

8668 sq. ft.

Area Excavated: Area Not Excavated: 8668 sq. ft. 0 sq. ft. 0 15 30

Feet Parcel 14-15-50-750 Midland Resolution Soil Replacement

60

Dow Midland Soils Remedy Worksheet

Site Address: 115 E. Patrick Rd. Parcel: 14-15-50-750 Date: 4-Nov-13

Date:	4-Nov-13	
Initial Soil Sam 485 If < or = 220, No Re	Soil Result (ppt)	Soil Remedy Result:
If > 280, Remedy	80, Test Replicates	
11 7220 But < 01 = 2		
Replicate Soil S	Samples Initial soil result (ppt) Replicate result (ppt) Replicate result (ppt)	Soil Replicate Remedy Result:
 2.92 <u>-</u> If > 250, Remedy If < or = 250, No Re	Average (ppt) Standard Deviation (ppt) t (0.95, 2) 95% UCL (Student's t Upper Confidence Limit) emedy	
	Dominant Evaluate Indoor Duct	
485	Required, Evaluate Indoor Dust: Initial soil result or 95% UCL if replicates were required (ppt)	Indoor Dust Remedy Result:
8668	Area of yard (ft ²) (area as sampled)	NO REMEDY
0	Area not remedied (ft ²)	
15	Surface Weighted Average (SWA) (ppt)	
0% <u>8.87E-06</u>	% Undisturbed Remaining Soil (URS) Risk is acceptable if < or = 10^{-5}	

PROPERTY INFORMATION

Property Owner: Bruce & Joanne Coates	Property Address: 115 E. Patrick
 Contract Personnel: Kappen Tree Service - 5/28/13 Servinski Fisher Sugar Construction 	 Contractor Equipment: Kappen: Bucket Truck, Chipper, Log Truck Servinski: Excavator, Bobcats Fisher: Hand Tools Sugar: Hand Tools
Field Person: Gary Waugh	Date: 6/18/13

DESCRIPTION OF SOILS REMOVAL

Remediation Are	a (Sq Ft): 6915	Yards In: 30 * See	Below Ya	rds Out: 255 * See Below		
Description of Cut Depth:						
All soils removed 12 inches	l today within the remedia	tion area square foot	age were remov	ed to an average depth of		
Verification	Laser level was used to	o check cut depth	Date Verified/	Initial: 6/18/13 GW		
Method:		-				
D 11 11		**				

Describe soils remaining: No remaining soils

DESCRIPTION OF FIELD ACTIVITIES:

Kappen Tree Service: Was onsite 5/28/13 and removed the select trees and shrubs. All wood chips and logs were hauled to the Allied staging area.

Sugar Construction: Formed and poured the concrete for the new driveway 11ft x 75ft.

Servinski/Fisher: Began the soils dig out. At the end of the day silt fence was installed at the curb lines along Patrick and Lincoln streets. The site was cleaned up and barricades were placed as needed.

* Yards Out:

15yrds – Concrete and debris hauled (Midland City Landfill) for disposal

- 240yrds Soil relocated to (MIOPS Dow WIF project)
- * Yards In:

30yrds – Sand (Driveway sub grade)

Gary Waugh

6/18/13

Field Representative Signature

Weather: Clear 58 – 71, breezy

PROPERTY INFORMATION

Property Owner: Bruce & Joanne Coates	Property Address: 115 E. Patrick
Contract Personnel: • Servinski • Fisher • Sugar Construction • Reliable Plumbing • M & M	Contractor Equipment: • Servinski: Excavator, Bobcats • Fisher: Hand Tools • Sugar: Hand Tools • Reliable: Hand Tools
Field Person: Gary Waugh	M & M: Stump Grinder Date: 6/19/13
DESCRIPTION OF SOILS REMO	

Remediation Area (Sq Ft): 6915 Yards In: 270 * See Below Yards Out: 120 * See Below Description of Cut Depth: All soils removed within the remediation area square footage were removed to an average depth of 12 inches Verification Laser level was used to check cut depth Date Verified/Initial: 6/19/13 GW Method: Image: Second Second

Describe soils remaining: No remaining soils

DESCRIPTION OF FIELD ACTIVITIES:

Reliable Plumbing: Installed the backflow preventer and necessary plumbing to accommodate the irrigations system.

M & M: Onsite and ground the stumps remaining from the tree removal.

Sugar Construction: Formed the new driveway turn around.

Servinski/Fisher: Completed the soils dig out importing topsoil. At the end of the day silt fence was installed at the curb lines along Patrick and Lincoln streets. The site was cleaned up and barricades were placed as needed.

* Yards Out:

- 120yrds Soil relocated to (MIOPS Dow WIF project)
- * Yards In:

30yrds - Sand (Driveway turnaround sub grade) 240yrds - Topsoil

Gary Waugh

6/19/13

Field Representative Signature

Weather: Clear 46 – 75, light winds

PROPERTY INFORMATION

	and the second se				
			Property Address: 115 E. Patrick		
Contract Personnel:		Contractor Equipment:			
 Servinski 			• S	ervinski: Ex	cavator, Bobcats
• Fisher			• F	isher: Hand	Tools
Sugar Cor	struction		• S	ugar: Hand	Tools
Kokaly			Kokaly: Hand Tools		
Field Person: Gar	v Wauch		Date: 6/2	20/13	
	ON OF SOILS RE	MOVA		.0/15	
the second se	the second data and the se				
	$(\nabla_{\alpha} \nabla_{\beta}) = 2015$	Vonda In	. 0		Vanda Oute 0
	(Sq Ft): 6915	Yards In	: 0		Yards Out: 0
Description of Cut	Depth:			ere removed	Yards Out: 0

Describe soils remaining: No remaining soils

DESCRIPTION OF FIELD ACTIVITIES:

Kokaly: Installed the irrigation system piping, low voltage valves and wiring and sprinkler heads.

Sugar Construction: Poured concrete for the new driveway turn around 24ft x 4ft.

Servinski/Fisher: Installed edging around the landscape beds and planted the shrubs and trees. At the end of the day silt fence was installed at the curb lines along Patrick and Lincoln streets. The site was cleaned up and barricades were placed as needed.

Gary Waugh

6/20/13

Field Representative Signature

Weather: Clear 48 - 80, light winds

PROPERTY INFORMATION

Property Owner: Bruce & Joanne Coat	tes Property Address: 115 E. Patrick
Contract Personnel:	Contractor Equipment:
 Servinski 	Servinski: Pre Seeder, Bobcats
• Fisher	• Fisher: Hand Tools
Field Person: Gary Waugh	Date: 6/21/13
DESCRIPTION OF SOILS	REMOVAL
Remediation Area (Sq Ft): 6915	Yards In: 22 * See Below Yards Out: 0
Description of Cut Depth:	
All soils removed within the remediation inches	on area square footage were removed to an average depth of 12

Verification	Laser level was used to check cut depth	Date Verified/Initial: 6/19/13 GW
Method:		
Describe soils rema	aining: No remaining soils	

DESCRIPTION OF FIELD ACTIVITIES:

Servinski/Fisher: Completed landscape beds. Final prepped the topsoil and hydro seed. A final site cleanup was performed. 115 E. Patrick is complete pending a walk through with the home owner.

Yards In: 19yrds – Drainage Stone 2yrds – Mulch 1yrd – Stone Mix

Gary Waugh

6/21/13

Field Representative Signature

Weather: Clear 62 - 85, light winds

Green Remediation Assuran	
Midland Resolution	
roperty Information Property Owner: <u>Bruce & Joanne Coates</u> Contract	Personnel: Pat's Trucking, Servinski
Property Address: <u>115 E. Patrick St.</u>	reisonnei. <u>Pat s Trucking, Servinski</u>
Field Person: <u>Gary Waugh</u>	Date: 6/20/2013
Fuel Usage	Date. 0/20/2015
Low Sulfur Diesel Used:	Yes [X] No[] N/A[]
Equipment	
Tier 3 and Tier 4 Diesel Motors Manufactur	red
	Yes [X] No[] N/A []
Equipment Shut Off When Not In Use (No I	
Equipment Inspected For Leaks, Seepages, 1	
Administrative	N (N) N (1 N)/A (1
Vegetation and Plants Supplied Locally:	
Local Subcontractors Used:	
Borrow Pit Source Selected Closer to Project	
Manualed Radius Criteria:	Yes [X] No[] N/A []
Waste Management	
Waste Generated Recycled (0)%:	Yes [] No[X] N/A []
Wood/Tree's Removed Chipped and Staged	l for Use
Along Tittabawasse River Flood Pla	ain as Barrier
Or Dust Control:	Yes [X] No[] N/A []
Landscaping/Perennial Plants Brought to Sir	te in
Recyclable Pots that Will Be Collect	ted and Reused
By Supplier:	Yes [X] No[] N/A []
Project Controls	
Recycled Newspaper Used as Binder for Hy	vdroseeding
Portions:	
Geosynthetics Used on Property Access Are	
Tarps Used on Trucks During Soil Removal	
Tarps Used on Borrow Trucks:	
Active Dust Management System Used:	1000000000000000000000000000000000000
Phosphate Free Fertilizers Used:	
Removed Soil Taken to Dow Plant For Reus	
Use of Sod as the Preferred Revegitation To	
Upgrading Irrigation Controls to Include a F	
Preprogramming Irrigation System to Water	
	Yes [X] No[] N/A []
Reuse Existing Concrete Foundations When	
÷	
Use Water Efficient Landscaping Clean Manholes, Curb Inlets, Drop Inlets, T	
Gratings, and Frames of Constructio	
and Trash	
ang 11ash	





MIDLAND RESOLUTION

LEGEND Total Yard Area: 14,730 sq. ft. C Remediated Area Property

Area Excavated: 14,730 sq. ft. Total Area Not Excavated: 0 sq. ft.

30 0 15

Parcel 14-15-40-320 Feet Midland Resolution Soil Replacement

60

Dow Midland Soils Remedy Worksheet

Site Address: 1501 E. Patrick Rd. Parcel: 14-15-40-320 Date: 4-Nov-13 Initial Soil Sample Soil Remedy Result: 290 Soil Result (ppt) REMEDY If < or = 220, No Remedy If > 280, Remedy If >220 but < or = 280, Test Replicates Soil Replicate **Replicate Soil Samples** Initial soil result (ppt) **Remedy Result:** ------Replicate result (ppt) Replicate result (ppt) ---Average (ppt) ---Standard Deviation (ppt) -t (0.95, 2) 2.92 95% UCL (Student's t Upper Confidence Limit) ---If > 250, Remedy If < or = 250, No Remedy If Soil Remedy Required, Evaluate Indoor Dust: Indoor Dust Initial soil result or 95% UCL if 290 **Remedy Result:** replicates were required (ppt) Area of yard (ft^2) (area as sampled) 14730 **NO REMEDY** Area not remedied (ft^2) 0 Surface Weighted Average (SWA) (ppt) 15 0% % Undisturbed Remaining Soil (URS)

Risk is acceptable if $< \text{ or} = 10^{-5}$

5.43E-06

PROPERTY INFORMATION

Property Owner: Jo	ohn Lepparen		Property	Address: 15	501 E. Patrick	
Contract Personnel:		Contractor Equipment:				
 Kappen Tre 	• Kappen Tree Service – 9/13/13		• Kappen: Bucket Truck, Chipper			
 Servinski 			• S	ervinski: Ex	cavator, Bobcat, Dozer	
• Fisher			• F	Fisher: Hand	Tools	
Pats			• F	Pats: Trucks		
Field Person: Gary	Waugh		Date: 9/2	23/13		
DESCRIPTIO	N OF SOILS RE	MOVA	L			
Remediation Area ((Sq Ft): 16,826	Yards In:			Yards Out: 360 * See Below	1
Description of Cut	Depth:					
All soils within the	remediation area square	e footage v	vere remov	ved to an ave	erage depth of 12 inches.	
Verification	Measured depth of cut	at excavat	tion line	Date Verifi	ied/Initial: 9/23/13 GW	
Method:						
Describe soils rema	aining: No remaining so	oils				

DESCRIPTION OF FIELD ACTIVITIES:

Kappen Tree Service: Was onsite 9/13/13 and removed the select trees. Wood chips and logs were hauled to the Allied staging area.

Servinski/Fisher: 1501 Patrick is essentially a vacant lot with only a small garage existing on the property. No irrigation system or landscaping will be installed. The crew began the soils dig out today using an excavator and bobcat. The trucks were loaded from a side street off of Patrick. Catch basin filters and silt fence were checked and in good condition.

* Yards Out: 360yrds – Soil relocated to (Dow MIOPS Poseyville Landfill MAS Stockpile Area)

Gary Waugh

9/23/13

Field Representative Signature

Weather: Clear, 50 -68, calm winds

PROPERTY INFORMATION

Property Owner: Jo	ohn Lepparen		Property	Address: 15	501 E. Patrick
Contract Personnel:		Contractor Equipment:			
 Servinski 			• S		
• Fisher		• Fisher: Hand Tools		Tools	
• Pats			• Pats: Trucks		
Field Person: Gary Waugh		Date: 9/24/13			
DESCRIPTION OF SOILS REMOVAL		Ĺ			
Remediation Area ((Sq Ft): 16,826	Yards In:			Yards Out: 525 * See Below
Description of Cut	Depth:				
All soils within the remediation area square footage were r		vere remov	ved to an ave	erage depth of 12 inches.	
Verification	Measured depth of cut at excavat		tion line	Date Verif	Fied/Initial: 9/24/13 GW
Method:					
Describe soils rema	ining: No remaining so	oils			

DESCRIPTION OF FIELD ACTIVITIES:

Servinski/Fisher: The crew continued and completed the soils dig out. Catch basin filters and silt fence were checked and in good condition. The hydro seeder was used to apply water to the soil during excavation and load out to control dust.

* Yards Out:

435yrds – Soil relocated to (Dow MIOPS Poseyville Landfill MAS Stockpile Area) 90yrds – Debris and concrete were hauled to (Midland City Landfill) for disposal

Gary Waugh

9/24/13

Field Representative Signature

Weather: Clear, 45 -69, calm winds

PROPERTY INFORMATION

Property Owner: Jo	ohn Lepparen		Property	Address: 1	501 E. Patrick
Contract Personnel:		Contractor Equipment:			
• Servinski		• S	• Servinski: Excavator, Bobcat, Dozer		
• Fisher			• Fisher: Hand Tools		d Tools
• Pats	• Pats		• Pats: Trucks		
Sugar Cons	struction		• Sugar: Hand Tools		
				C	
Field Person: Gary	Waugh		Date: 9/25/13		
DESCRIPTION OF SOILS REMOVAL		L			
Remediation Area ((Sq Ft): 16,826	Yards In:	: 525 * See Below Yards Out: 0		Yards Out: 0
Description of Cut	Depth:				
All soils within the remediation area square footage we		vere remov	ved to an av	erage depth of 12 inches.	
Verification	Measured depth of cut at excavati		tion line	Date Veri	fied/Initial: 9/24/13 GW
Method:	1				
Describe soils rema	ining: No remaining so	oils			

DESCRIPTION OF FIELD ACTIVITIES:

Sugar Construction: Formed and poured the concrete for a section of city sidewalk 4ft x 25ft.

Servinski/Fisher: The crew imported placed and graded the topsoil. The pre seeder was used to prepare the topsoil. Hydro seed was then applied. 1501 Patrick is complete pending a walk through with the property owner. The silt fence and catch basin filters will be left in place until the grass has been established.

*	Yards In:	
	525yrds -	Topsoil

Gary Waugh

9/25/13

Field Representative Signature

Weather: Clear, 48 -68, calm winds

Green Remediation Assurance Form Midland Resolution			
Property Information			
1 0	Contract Personnel: Pat's Trucking, Servinski		
Property Address: <u>1501 Patrick Rd.</u>	contract refsonner. <u>rat s frucking, Servinski</u>		
Field Person: <u>Gary Waugh</u>	Date: <u>9/25/2013</u>		
Fuel Usage	Dute. <u>9/25/2015</u>		
	Yes [X] No[] N/A[]		
Equipment			
Tier 3 and Tier 4 Diesel Motors Mar	ufactured		
	Yes [X] No[] N/A []		
	se (No Idling):Yes [X] No[] N/A []		
	pages, ETC:Yes [X] No[] N/A []		
Administrative			
	ally:Yes [X] No[] N/A []		
	Yes [X] No[] N/A []		
Borrow Pit Source Selected Closer to			
	Yes [X] No[] N/A []		
Waste Management			
	Yes [] No[X] N/A []		
Wood/Tree's Removed Chipped and			
Along Tittabawasse River F	•		
	Yes [X] No[] N/A []		
Landscaping/Perennial Plants Broug			
Recyclable Pots that Will Be			
	Yes [X] No[] N/A []		
Project Controls			
Recycled Newspaper Used as Binder	r for Hydroseeding		
• • • •	Yes [] No[] N/A [X]		
	xess Area:Yes [X] No[] N/A []		
• • • •	emoval:Yes [X] No[] N/A []		
	Yes [X] No[] N/A []		
	sed:Yes [] No[] N/A [X]		
	Yes [] No[] N/A [X]		
	For Reuse in Facility:Yes [] No[X] N/A []		
	ation Tool:Yes [X] No[] N/A []		
-	lude a Rain Sensor:Yes $[X] No[] N/A[]$		
Preprogramming Irrigation System to			
	Yes [X] No[] N/A []		
	s When PossibleYes [] No[X] N/A []		
	Yes [] No[] N/A [X]		
Clean Manholes, Curb Inlets, Drop I			
Gratings, and Frames of Con			
0	Yes [X] No[] N/A []		
und Indiana.			





LEGEND Remediated Area Property

Total Yard Area: 8018 sq. ft.

Area Excavated: 8018 sq. ft.

Area Not Excavated: 0 sq. ft.

0

30 15

60

Parcel 14-15-50-626 Feet Midland Resolution Soil Replacement

Dow Midland Soils Remedy Worksheet

Site Address: 201 E. Patrick Rd. Parcel: 14-15-50-626 Date: 4-Nov-13

Dale.	4-N0V-13	
Initial Soil Sam	ple	Soil Remedy Result:
300	Soil Result (ppt)	REMEDY
If < or = 220, No Re	emedy	[]
lf > 280, Remedy	-	
If >220 but < or = 2	80, Test Replicates	
Replicate Soil		Soil Replicate
	Initial soil result (ppt)	Remedy Result:
	Replicate result (ppt)	
	Replicate result (ppt)	
	Average (ppt)	
	Standard Deviation (ppt)	
2.92	t (0.95, 2)	
=	95% UCL (Student's t Upper Confidence Limit)	
lf > 250, Remedy		
<i>If < or = 250, No Re</i>	emedy	
	Derwined Evaluate Indeer Duct	
II Soli Remedy	Required, Evaluate Indoor Dust:	Indoor Dust
300	Initial soil result or 95% UCL if	Remedy Result:
	replicates were required (ppt)	
8018	Area of yard (ft ²) (area as sampled)	NO REMEDY
0	Area not remedied (ft ²)	
15	Surface Weighted Average (SWA) (ppt)	
0%	% Undisturbed Remaining Soil (URS)	
<u>5.60E-06</u>	Risk is acceptable if < or = 10^{-5}	

PROPERTY INFORMATION

Property Owner: Dawn Hockaday	Property Address: 201 E. Patrick
Contract Personnel: • Kappen Tree Service – 5/31/13 • Servinski • Fisher • M & M • Reliable Plumbing	 Contractor Equipment: Kappen: Bucket Truck, Chipper, Log Truck, Stinger Servinski: Mini Excavator, Excavator, Bobcats Fisher: Hand Tools M & M: Stump Grinder Reliable: Hand Tools
Field Person: Gary Waugh	Date: 6/10/13

DESCRIPTION OF SOILS REMOVAL

Remediation Area (Sq Ft): 8735	Yards In: 6 * See Below	Yards Out: 30 * See Below
Description of Cut Depth:		
Verification	Dete Va	rified/Initial:
	Date ve	meu/muai.
Mathad		
Method:	the second se	
Describe soils remaining:		

DESCRIPTION OF FIELD ACTIVITIES:

Kappen Tree Service: Was onsite 5/3113 and removed the select trees. Wood chips and logs were hauled to the Allied staging area.

M & M: Onsite and ground the stumps remaining from the tree removal.

Reliable Plumbing: Installed the backflow preventer and plumbing to accommodate the irrigation system.

Servinski/Fisher: Began the soils dig out. Silt fence was installed at the curb line along Patrick and Lincoln Streets.

* Yards Out:

30yrds – Soil relocated to (Salzburg Landfill MAS Stockpile Area)

* Yard In: 6yrds – Stone Mix

Gary Waugh

6/10/13

Field Representative Signature

Weather: Cloudy, 55 - 65, light winds

PROPERTY INFORMATION

Property Owner: Dawn Hockaday		Property Address: 2	01 E. Patrick
Contract Personnel: • Servinski • Fisher • Sugar Construction		Contractor Equipme	nt: 1ini Excavator, Excavator, 1 Tools
E'ald Demons Come Would		Date: 6/11/13	
Field Person: Gary Waugh		Date: 0/11/13	
DESCRIPTION OF SOILS R	EMOVA	/	
		/	Yards Out: 315 * See Below

All soils within the remediation area square footage were removed to an average depth of 12 inches.

Verification Method:	Laser level used to verify cut depth	Date Verified/Initial: GW/PH 6/1/13
Describe soils rema All soils removed.	aining:	

DESCRIPTION OF FIELD ACTIVITIES:

Sugar Construction: Constructed the landscape timber wall between the shed and east property line.

Servinski/Fisher: Completed the soils dig out and imported some topsoil. Silt fence was installed at the curb line along Patrick and Lincoln Streets.

* Yards Out:

315yrds – Soil relocated to (Salzburg Landfill MAS Stockpile Area)

Yard In: 285yrds – Topsoil 25yrds – Stone Mix 3yrds – Drainage Stone

Gary Waugh

6/11/13

Field Representative Signature

Weather: Clear, 62 - 80, light winds

PROPERTY INFORMATION

Property Owner: Dawn Hockaday	Property Address: 201 E. Patrick
Contract Personnel: • Servinski • Fisher • Kokaly • Sugar Construction	Contractor Equipment: • Servinski: Mini Excavator, Bobcat • Fisher: Hand Tools • Kokaly: Hand Tools • Sugar: Hand Tools
Field Person: Gary Waugh	Date: 6/12/13
DESCRIPTION OF SOILS RE	MOVAL
Remediation Area (Sq Ft): 8735	Yards In: 103 * See Below Yards Out: 0
Description of Cut Depth: All soils within the remediation area square	e footage were removed to an average depth of 12 inches.

Verification Method:	Laser level used to verify cut depth	Date Verified/Initial: GW/PH 6/1/13
Describe soils rema All soils removed.	ining:	

DESCRIPTION OF FIELD ACTIVITIES:

Kokaly: Installed the irrigation system piping, sprinkler heads, low voltage wiring and valves.

Sugar Construction: Poured the concrete for the service walk 4ft x 36ft.

Servinski/Fisher: Finished importing placing and grading topsoil. Landscape beds were defined and edging was installed. Shrubs and trees were planted. Drainage stone and hardwood mulch placed in the appropriate bed. Silt fence was installed at the curb line along Patrick and Lincoln Streets.

Yards In: 75yrds – Topsoil 11yrds – Drainage Stone 8yrds - Sand 9yrds – Hardwood Mulch

Gary Waugh

Field Representative Signature

Weather: Clear, 63 - 77, light winds

6/12/13

PROPERTY INFORMATION

Property Owner: D	awn Hockaday		Property	Address: 201 E. Patrick
Contract Personnel:			Contracto	or Equipment:
Servinski			• S	ervinski: Bobcat
• Fisher			• F	isher: Hand Tools
Field Person: Gary Waugh		Date: 6/	13/13	
DESCRIPTIO	N OF SOILS RE	MOVA	L	
Remediation Area (Sq Ft): 8735	Yards In	: 0	Yards Out: 0
Description of Cut I All soils within the		e footage v	were remov	ved to an average depth of 12 inches.
Verification Laser level used to verify cut dep Method:			pth	Date Verified/Initial: GW/PH 6/1/13

Describe soils remaining:

All soils removed.

DESCRIPTION OF FIELD ACTIVITIES:

Servinski/Fisher: Final prepped the topsoil, placed and trimmed sod. 201 E. Patrick is complete pending a final walk through with the property owner.

Gary Waugh

6/13/13

Field Representative Signature

Weather: Clear, 63 - 78, light winds

	tion Assurance Form d Resolution
Property Information	
	ontract Personnel: Pat's Trucking, Servinski
Property Address: 201 E. Patrick	
Field Person: Gary Waugh	Date: <u>6/12/2013</u>
Fuel Usage	
Low Sulfur Diesel Used:	Yes [X] No[] N/A[
Equipment	
Tier 3 and Tier 4 Diesel Motor	s Manufactured
After 2006:	Yes [X] No[] N/A []
Equipment Shut Off When Not	t In Use (No Idling):Yes [X] No[] N/A [
Equipment Inspected For Leak	s, Seepages, ETC:Yes [X] No[] N/A [
Administrative	
Vegetation and Plants Supplier	i Locally:Yes [X] No[] N/A [
Local Subcontractors Used:	Yes [X] No[] N/A []
Borrow Pit Source Selected Cl	oser to Project but Within
Mandated Radius Crite	ria:Yes [X] No[] N/A []
Waste Management	
Waste Generated Recycled (0)%:Yes [] No[X] N/A [
Wood/Tree's Removed Chippe	ed and Staged for Use
Along Tittabawasse Ri	iver Flood Plain as Barrier
Or Dust Control:	Yes [X] No[] N/A [
Landscaping/Perennial Plants l	Brought to Site in
Recyclable Pots that W	ill Be Collected and Reused
By Supplier:	Yes [X] No[] N/A []
Project Controls	
Recycled Newspaper Used as I	Binder for Hydroseeding
Portions:	Yes [] No[] N/A [X
Geosynthetics Used on Proper	ty Access Area:Yes [X] No[] N/A [
Tarps Used on Trucks During	Soil Removal:Yes [X] No[] N/A
	:Yes [X] No[] N/A [
Active Dust Management Syst	em Used:Yes [] No[] N/A [X
	d:Yes [] No[] N/A [X
Removed Soil Taken to Dow F	Plant For Reuse in Facility:Yes [] No[X] N/A [
	vegitation Tool:Yes [X] No[] N/A [
Upgrading Irrigation Controls	to Include a Rain Sensor:Yes [X] No[] N/A [
Preprogramming Irrigation Sys	-
	imes:Yes [X] No[] N/A []
Reuse Existing Concrete Found	dations When PossibleYes [] No[X] N/A []
	ingYes [] No[] N/A [X]
Clean Manholes, Curb Inlets, I	Drop Inlets, Trench Drains,
	f Construction Debris, Dirt,
and Trash	Yes [X] No[] N/A []

÷





LEG EN D Remediated Area Property

Total Yard Area:Area Excavated:15617 sq. ft.15617 sq. ft.

Total Area Not Excavated: 0 sq. ft.

0

Feet 15 30 60

Parcel 14-15-50-660 Midland Resolution Soil Replacement

Dow Midland Soils Remedy Worksheet

Site Address: 311 E. Patrick Rd Parcel: 14-15-50-660 Date: 4-Nov-13

Date.	4-1007-13	
Initial Soil Sam	ple	Soil Remedy Result:
289	Soil Result (ppt)	REMEDY
If < or = 220, No Re		<u> </u>
If > 280, Remedy		
	80, Test Replicates	
Replicate Soil	Samples	Soil Replicate
	Initial soil result (ppt)	Remedy Result:
	Replicate result (ppt)	
	Replicate result (ppt)	
	Average (ppt)	
	Standard Deviation (ppt)	
2.92 t (0.95, 2)		
=	95% UCL (Student's t Upper Confidence Limit)	
lf > 250, Remedy		
If < or = 250, No Re	emedy	
If Soil Remedy	Required, Evaluate Indoor Dust:	
289	Initial soil result or 95% UCL if	Indoor Dust
	replicates were required (ppt)	Remedy Result:
15617	Area of yard (ft ²) (area as sampled)	NO REMEDY
0	Area not remedied (ft ²)	
15	Surface Weighted Average (SWA) (ppt)	
0%	% Undisturbed Remaining Soil (URS)	
<u>5.41E-06</u>	Risk is acceptable if < or = 10^{-5}	

PROPERTY INFORMATION

Property Owner: Rapanos	Property Address: 311	Patrick Rd.	
Contract Personnel: • Kappen Tree Service 7/27/13 • Servinski • Fisher • Pats	Contractor Equipment: • Kappen: Buck Truck • Servinski: Exc	 Kappen: Bucket Truck, Chipper, Log Truck Servinski: Excavator, Dozer Fisher: Hand Tools 	
Field Person: Gary Waugh	Date: 8/14/13		
DESCRIPTION OF SOILS I	EMOVAL		
Remediation Area (Sq Ft): 12,544	Yards In: 0	Yards Out: * See Below	
Description of Cut Depth:			

All soils within the remediation square footage area were removed to an average depth of 12 inches.

Verification	Measured cut depth at excavation line to	Date Verified/Initial: 8/14/13 GW	
Method:	verify depth		
Describe soils remaining: The out lawn area (896 sq ft) will not be removed.			

DESCRIPTION OF FIELD ACTIVITIES:

Kappen Tree Service: Was onsite 7/27/13 and removed the select trees and brush. Wood chips and logs were hauled to the Allied staging area.

Servinski/Fisher: 311 Patrick is a vacant lot that will not require any landscaping other than grading topsoil and hydro seeding. The crew began the soils dig out. Trucks were able to back into the lot where they were direct loaded during the excavation of soils. Filters were placed in the catch basins within 100ft of the site. No silt fence is required as the out lawn area will not be disturbed and the lot elevation is adequately lower than Patrick Rd.

* Yards Out:

30yrds – On 8/2/13 - brush and debris were hauled to (Midland City Landfill) for disposal 525yrds – Soil relocated to (Dow Poseyville Landfill MAS Stockpile Area

Gary Waugh

8/14/13

Field Representative Signature

Weather: Clear, 48 - 70, light winds

PROPERTY INFORMATION

Property Owner: Rapanos	Property Address: 311 Patrick Rd.
Contract Personnel: • Servinski • Fisher • Pats	Contractor Equipment: • Servinski: Excavator, Dozer • Fisher: Hand Tools • Pats: Trucks
Field Person: Gary Waugh	Date: 8/15/13
DESCRIPTION OF SOILS REN	IOVAL
Remediation Area (Sq Ft): 12,544	Yards In: * See Below Yards Out: * See Below
Description of Cut Depth:	

All soils within the remediation square footage area were removed to an average depth of 12 inches.

Verification	Measured cut depth at excavation line to	Date Verified/Initial: 8/15/13 GW	
Method:	verify depth		
Describe soils remaining: The out lawn area (896 sq ft) will not be removed.			

DESCRIPTION OF FIELD ACTIVITIES:

Servinski/Fisher: Continued and completed the soils dig out and importing and placing topsoil. Catch basin filters were checked and in good condition.

* Yards Out:

30yrds – On 8/2/13 - brush and debris were hauled to (Midland City Landfill) for disposal 60yrds – Soil relocated to (Dow Poseyville Landfill MAS Stockpile Area 522yrds – Soil relocated to (Dow 610 Pond Re grading Project)

* Yards In: 855yrds - Topsoil

Gary Waugh

8/15/13

Field Representative Signature

Weather: Clear, 55 - 73, light winds

PROPERTY INFORMATION

Property Owner: Rapanos		Property Address: 311 Patrick Rd.
Contract Personnel:		Contractor Equipment:
Servinski		• Servinski: Dozer, Pre seeder
• Fisher		• Fisher: Hand Tools
· · · · · · · · · · · · · · · · · · ·		
Field Person: Gary Waugh		Date: 8/16/13
DESCRIPTION OF SOILS RE	MOVAI	L
Remediation Area (Sq Ft): 12,544	Yards In:	0 Yards Out: 0
Description of Cut Depth:		
All soils within the remediation square foo	tage area w	vere removed to an average depth of 12 inches.

Verification Measured cut depth at excavation line to		Date Verified/Initial: 8/15/13 GW	
Method: verify depth			
Describe soils remaining: The out lawn area (896 sq ft) will not be removed.			

DESCRIPTION OF FIELD ACTIVITIES:

Servinski/Fisher: Final graded the topsoil and pre seeded. Hydro seed was applied. A final site cleanup was performed and catch basin filters removed. 311 Patrick is complete pending a walk through with the property owner.

Gary Waugh

8/16/13

Field Representative Signature

Weather: Clear, 54 – 75, light winds

Green Remediation Assurance F Midland Resolution	orm
Property Information	
	: Pat's Trucking, Servinski
Property Address: <u>311 Patrick Rd.</u>	
Field Person: Gary Waugh	Date: <u>8/16/2013</u>
Fuel Usage Low Sulfur Diesel Used:	Yes [X] No[] N/A[]
Equipment	
Tier 3 and Tier 4 Diesel Motors Manufactured	
After 2006:	
Equipment Shut Off When Not In Use (No Idling	
Equipment Inspected For Leaks, Seepages, ETC:	Yes [X] No[] N/A []
Administrative	
Vegetation and Plants Supplied Locally:	
Local Subcontractors Used:	
Borrow Pit Source Selected Closer to Project but	
Mandated Radius Criteria:	Yes [X] No[] N/A []
Waste Management	
Waste Generated Recycled (0)%:	Yes [] No[X] N/A []
Wood/Tree's Removed Chipped and Staged for V	
Along Tittabawasse River Flood Plain as	
Or Dust Control:	Yes [X] No[] N/A []
Landscaping/Perennial Plants Brought to Site in	10 1
Recyclable Pots that Will Be Collected an	
By Supplier:	Yes [A] No[] N/A []
Project Controls	
Recycled Newspaper Used as Binder for Hydros	-
Portions:	
Geosynthetics Used on Property Access Area:	
Tarps Used on Trucks During Soil Removal:	
Tarps Used on Borrow Trucks:Active Dust Management System Used:	$\frac{1}{\sqrt{2}} \frac{1}{\sqrt{2}} \frac{1}{\sqrt{2}$
Phosphate Free Fertilizers Used:	$= \frac{105 [] 100 [] 107 [X]}{Ves [] No[] N/A [X]}$
Removed Soil Taken to Dow Plant For Reuse in	
Use of Sod as the Preferred Revegitation Tool:	•
Upgrading Irrigation Controls to Include a Rain	
Preprogramming Irrigation System to Water Onl	
Prescribed Rates and Times:	
Reuse Existing Concrete Foundations When Pos	
Use Water Efficient Landscaping	Yes [] No[] N/A [X]
Clean Manholes, Curb Inlets, Drop Inlets, Trenc	h Drains,
Gratings, and Frames of Construction De	
and Trash	Yes [X] No[] N/A []





LEG EN D Remediated Area Property

Total Yard Area:Area Excavated:5008 sq. ft.3528 sq. ft.

d: Total Area Not Excavated: 1480 sq. ft. 15 30

0

Parcel 14-16-40-458 Midland Resolution Soil Replacement

Feet

60

Dow Midland Soils Remedy Worksheet

Site Address: 701 E. Pine St. Parcel: 14-16-40-458 Date: 4-Nov-13 Initial Soil Sample Soil Remedy Result: 284 Soil Result (ppt) REMEDY If < or = 220, No Remedy If > 280, Remedy If >220 but < or = 280, Test Replicates **Replicate Soil Samples** Soil Replicate Initial soil result (ppt) **Remedy Result:** ---Replicate result (ppt) ---Replicate result (ppt) ---Average (ppt) ---Standard Deviation (ppt) --2.92 t (0.95, 2) 95% UCL (Student's t Upper Confidence Limit) ---If > 250, Remedy If < or = 250, No Remedy If Soil Remedy Required, Evaluate Indoor Dust: Indoor Dust Initial soil result or 95% UCL if 284 **Remedy Result:** replicates were required (ppt) Area of yard (ft^2) (area as sampled) 5008 **NO REMEDY** Area not remedied (ft^2) 1480 Surface Weighted Average (SWA) (ppt) 94 % Undisturbed Remaining Soil (URS) 30% Risk is acceptable if $< \text{ or} = 10^{-5}$ 6.98E-06

PROPERTY INFORMATION

Property Owner: Wendy Burgess	Property Add	Property Address: 701 E. Pine St.	
Contract Personnel: • Servinski • Fisher • Pats • Reliable Plumbing – 4/23/13	FishPats:	quipment: inski: Mini Excavator, Bobcat er: Hand Tools Trucks able: Hand Tools	
Field Person: Gary Waugh	Date: 4/24/1	3	
DESCRIPTION OF SOILS RE	EMOVAL		
Remediation Area (Sq Ft): 3900	Yards In: 120	Yards Out: 165	
Description of Cut Depth:	landroone hade Only the	evicting mulch was removed and	

No soils were removed from the existing landscape beds. Only the existing mulch was removed and replaced with new cypress mulch.

All other soils were excavated to an average depth of 12 inches.

String lines were pulled between landscape beds to measure cut depths.

Verification See above		Date Verified/Initial: GW 4/24/13
Method:		
Describe soils re	emaining: See above	

DESCRIPTION OF FIELD ACTIVITIES:

Servinski/Fisher: Removed the wood mulch from the existing landscape beds. The mulch was replaced with new cypress mulch per the owner's instruction. The remaining lawn areas were excavated to an average depth of 12 inches. The excavated soils and the existing mulch were hauled/relocated to the Salzburg Landfill MAS Stockpile Area. To gain access to the back yard plywood was placed over an existing landscape bed to protect it from the excavation equipment. Topsoil was imported onto the site, placed and rough graded. Silt fence was installed at the curb line along E. Pine St. with returns on each end.

Reliable Plumbing: On 4/23/13 installed the backflow preventer and necessary plumbing needed for the irrigation system.

Gary Waugh

4/24/13

Field Representative Signature

Weather: Cloudy, overnight rain, 35 - 40, light winds

PROPERTY INFORMATION

Property Owner:	Wendy Burgess		Property Address: 70	
Contract Personne Servinski Fisher Pats Kokaly Sugar Con			Contractor Equipmer Servinski: Be Fisher: Hand Pats: Trucks Kokaly: Ditc Sugar: Hand	obcat Tools hwitch, Hand Tools
Field Person: Ga	ry Waugh		Date: 4/25/13	
DESCRIPTI	ON OF SOILS RE	MOVA	L	
Remediation Area	a (Sq Ft): 3900	Yards In	: 0	Yards Out: *See below
Description of Cu	t Depth: See 4/24/13			
Verification Method:	See above		Date Veri	fied/Initial:
Describe soils rer	naining: See above			

DESCRIPTION OF FIELD ACTIVITIES:

Servinski/Fisher: Final prepped the topsoil using the pre seeder and hand rakes. Sod placed and trimmed. The crew also removed the section of city sidewalk that needs to be replaced. The concrete was hauled to the Midland City Landfill.

*Yards Out:

15yrds - Concrete

Kokaly: Installed the irrigation system, piping, sprinkler heads and necessary low voltage wiring and valves. There was an existing drip irrigation line trough out the landscape beds. Since the beds were not part of the soil removal remedy the existing drip irrigation lines were left in place and tied into the new irrigation system.

Sugar Construction: Formed the city sidewalk section. Concrete is scheduled for 4/26/13.

Gary Waugh

4/25/13

Field Representative Signature

Weather: Cloudy, 36-48, windy

PROPERTY INFORMATION

Property Owner: Wendy Burgess		Property Address: 701 E. Pine St.			
Contract Personnel:		Contractor Equipment:			
• Servinski		Servinski: Bobcat			
• Fisher		Fisher: Hand Tools			
Sugar Construction		Sugar: Hand Tools			
Field Person: Gary Waugh		Date: 4/26/13			
DESCRIPTION OF SOILS REMOVAL					
Remediation Area (Sq Ft): 3900			Yards Out: 0		
Description of Cut Depth: See 4/24/13					
Verification See above Method:	See above		fied/Initial:		
Describe soils remaining: See above		17.			

DESCRIPTION OF FIELD ACTIVITIES:

Sugar Construction: Prepared the sand sub grade for the city sidewalk section. Poured and finished the concrete.

Servinski/Fisher: Assisted the Sugar crew with the city sidewalk section and site cleanup. 701 E Pine site is complete pending a final walk through with the property owner. *Yards Out:

2yrds - Sand

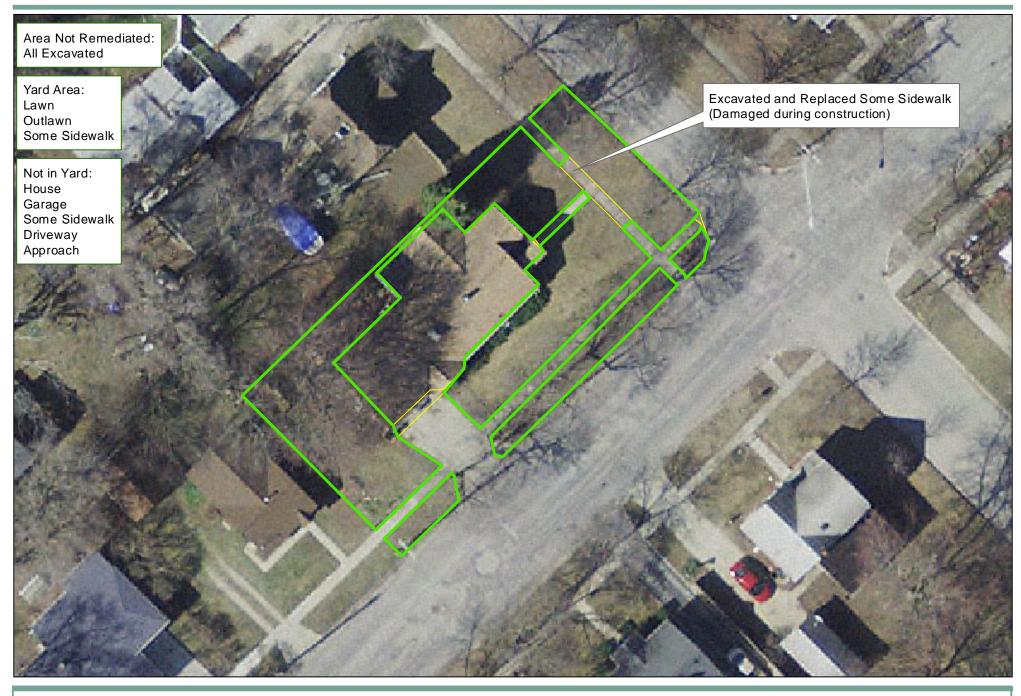
Gary Waugh

4/26/13

Field Representative Signature

Weather: Partly cloudy, 40 - 60, light winds.

Green Remediation Assurance Form Midland Resolution				
Property In				
· ·	perty Owner: <u>Wendy Burgess</u> Contract Personnel: <u>Pat's Trucking, Servinski</u>			
-	perty Address: 701 E. Pine St.			
-	d Person: Gary Waugh Date: 4/24/2013			
	l Usage			
	Low Sulfur Diesel Used:Yes [X] No[] N/A[]			
Equ	ipment			
-	Tier 3 and Tier 4 Diesel Motors Manufactured			
	After 2006:Yes [X] No[] N/A []			
	Equipment Shut Off When Not In Use (No Idling):Yes [X] No[] N/A []			
	Equipment Inspected For Leaks, Seepages, ETC:Yes [X] No[] N/A []			
Adı	ministrative			
	Vegetation and Plants Supplied Locally:Yes [X] No[] N/A []			
	Local Subcontractors Used:Yes [X] No[] N/A []			
	Borrow Pit Source Selected Closer to Project but Within			
	Mandated Radius Criteria:Yes [X] No[] N/A []			
Wa	ste Management			
Waste Generated Recycled (0)%:Yes [] No[X] N/A []				
	Wood/Tree's Removed Chipped and Staged for Use			
	Along Tittabawasse River Flood Plain as Barrier			
	Or Dust Control:Yes [X] No[] N/A [
	Landscaping/Perennial Plants Brought to Site in			
	Recyclable Pots that Will Be Collected and Reused			
	By Supplier:Yes [X] No[] N/A []			
Pro	ject Controls			
	Recycled Newspaper Used as Binder for Hydroseeding			
	Portions:			
	Geosynthetics Used on Property Access Area:			
	Tarps Used on Trucks During Soil Removal:			
	Tarps Used on Borrow Trucks:			
Active Dust Management System Used:				
Phosphate Free Fertilizers Used:Yes [] No[] N/A [2				
Removed Soil Taken to Dow Plant For Reuse in Facility:Yes [] No[X] N/A				
Use of Sod as the Preferred Revegitation Tool:				
	Upgrading Irrigation Controls to Include a Rain Sensor:Yes [X] No[] N/A [
	Preprogramming Irrigation System to Water Only at			
	Prescribed Rates and Times:Yes [X] No[] N/A []			
	Reuse Existing Concrete Foundations When PossibleYes [] No[X] N/A []			
	Use Water Efficient LandscapingYes [] No[] N/A [X]			
	Clean Manholes, Curb Inlets, Drop Inlets, Trench Drains,			
	Gratings, and Frames of Construction Debris, Dirt,			
	and TrashYes [X] No[] N/A []			





LEG EN D Remediated Area

Total Yard Area:Area6349 sq. ft.6349

Area Excavated:Total Area Not Excavated:6349 sq. ft.0 sq. ft.

15 30

0

■Feet 60 Parcel 14-16-40-428 Midland Resolution Soil Replacement

Dow Midland Soils Remedy Worksheet

Site Address: 716 E. Pine St. Parcel: 14-16-40-428 Date: 41582

Initial Soil Sam	nple	Soil Remedy Result:
237	Soil Result (ppt)	TEST REPLICATES
lf < or = 220, No R	emedy	
If > 280, Remedy	,	
If >220 but < or = 2	80, Test Replicates	
Replicate Soil	Samples	Soil Replicate
193	Initial soil result (ppt)	Remedy Result:
188	Replicate result (ppt)	REMEDY
262	Replicate result (ppt)	LI
214	Average (ppt)	
41	Standard Deviation (ppt)	
2.92	t (0.95, 2)	
<u>284</u>	95% UCL (Student's t Upper Confidence Limit)	
lf > 250, Remedy		
If < or = 250, No R	emedy	
If Soil Remedy	Required, Evaluate Indoor Dust:	
284	Initial soil result or 95% UCL if	Indoor Dust
	replicates were required (ppt)	Remedy Result:
6349	Area of yard (ft ²) (area as sampled)	NO REMEDY
0	Area not remedied (ft ²)	
15	Surface Weighted Average (SWA) (ppt)	
0	% Undisturbed Remaining Soil (URS)	
<u>5.32E-06</u>	Risk is acceptable if $< \text{ or} = 10^{-5}$	

PROPERTY INFORMATION

Property Owner: Jason Humphrey	Property Address: 716E Pine St
Contract Personnel: • Servinski • Fisher • Pats • Reliable Plumbing • M & M	Contractor Equipment: • Servinski: Mini Excavator, Bobcat • Fisher: Hand Tools • Pats: Trucks • Reliable: Hand Tools • M & M: Stump Grinder
Field Person: Gary Waugh	Date: 5/6/13

DESCRIPTION OF SOILS REMOVAL

	-				
Remediation Area (Sq Ft): 7072	Yards In: *See Bel	ow Yards Out: 330 *See Below			
Description of Cut Depth:	Description of Cut Depth:				
All soils within the remediation area square	e footage were remov	ed to an average depth of 12 inches			
	C				
Verification Laser level to check cu	it depths	Date Verified/Initial: GW/SS 5/6/13			
Method:	in depuis				
Describe soils remaining: All soils removed except around several existing trees in the out lawn area that					
are very close to the city sidewalk. The soils around the trees within a 3ft radius were left in place and					
hand graded to protect the roots.					

DESCRIPTION OF FIELD ACTIVITIES:

M & M: Ground the stumps that were left from the tree removal.

Reliable Plumbing: Installed the backflow preventer and necessary plumbing needed to accommodate the irrigation system.

Servinski/Fisher: Began and completed the soil dig out. 716 E. Pine is a corner lot with underground utilities along two sides of the property. Extra time was needed to locate all the underground utilities. Due to limited space between the house and the west property line this area had to be excavated by hand digging and wheel barrows to move the soil to the front yard. Throughout the day as the excavating progressed Gary Waugh or Steve Servinski verified the cut depth with the use of a laser level. At the end of the work day sidewalks were barricaded and silt fence was installed at the curb lines along E. Pine and State.

*Yards Out:

105yrds - Soil (Relocated to the Salzburg Landfill MAS Soil Stockpile Area) 225yrds - Soil (Relocated to the Dow WIF 11th & 12th)

*Yards In: 4yrds - Sand

DESCRIPTION OF FIELD ACTIVITIES – CONTINUED:

Gary Waugh

Field Representative Signature

Weather: Sunny 48 – 72, light winds.

5/6/13

Date

PROPERTY INFORMATION

Property Owner: Jason Humphrey	Property Address: 716E Pine St
Contract Personnel:	Contractor Equipment:
Servinski	Servinski: Mini Excavator, Bobcat
• Fisher	Fisher: Hand Tools
Pats	Pats: Trucks
Kokaly	Kokaly
Field Person: Gary Waugh	Date: 5/7/13
DESCRIPTION OF SOILS RE	MOVAL
Remediation Area (Sq Ft): 7072	Yards In: 207* See below Yards Out: *See Below
Description of Cut Depth:	
See 5/6/13	

Verification Method:	See 5/6/13	Date Verified/Initial: GW/SS 5/6/13
Describe soils rema	ining: See 5/6/13	

DESCRIPTION OF FIELD ACTIVITIES:

Sugar Construction: Sugar formed and poured several sections of concrete; South side of driveway 3ft x 18ft; North side of driveway 9ft x 21ft; South entrance door pad 6ft x 4ft; and 39ft length of city sidewalk along Pine St.

Kokaly: Installed the irrigation system piping, sprinkler heads, low voltage controller and valves.

Servinski/Fisher: Began and completed importing topsoil, placing and rough grading. Landscape beds were laid out.

*Yards Out:

15yrds - Soil Concrete, debris and soil (Midland City Landfill for disposal)

*Yards In: 207yrds – Topsoil

Silt fence was installed at the curb lines along Pine and State Streets. The sidewalk along Pine St was barricaded closed.

Gary Waugh

5/7/13

Date

Field Representative Signature

Weather: Sunny 48 – 76, light winds.

PROPERTY INFORMATION

Property Owner: Ja	son Humphrey		Property .	Address: 7	16E Pine St
Contract Personnel:			Contracto	r Equipmer	it:
 Servinski 			• S	ervinski: Bo	obcat
Fisher			• F	isher: Hand	Tools
Field Person: Gary	Waugh		Date: 5/8	8/13	
	N OF SOILS RE	MOVA	1		
Remediation Area (Sq Ft): 7072	Yards In:	14* See	below	Yards Out: *See Below
Description of Cut	Depth:	,			
See 5/6/13					
Verification Method:	See 5/6/13			Date Verif	ied/Initial: GW/SS 5/6/13
Describe soils rema	ining: See 5/6/13			·	

DESCRIPTION OF FIELD ACTIVITIES:

Servinski/Fisher: Installed landscape beds, planted shrubs and bushes, placed drainage stone and hardwood mulch. Sod was placed and trimmed. The irrigation system was turned on and programmed and the sprinkler heads were adjusted. 716 E. Pine is complete pending a final walk through with the property owner.

 Yard In: 4yrds – Drainage Stone 10yrds – Hardwood Mulch

Gary Waugh

Field Representative Signature

Weather: Sunny 50 - 78, light winds.

5/8/13

Green Remediation Assurance Form Midland Resolution
Property Information Property Owner: Jason Humphrey Contract Personnel: Pat's Trucking, Servinski
Property Address: 716 E Pine St.
Field Person: Gary Waugh Date: 5/7/2013
Fuel Usage Low Sulfur Diesel Used:Yes [X] No[] N/A[]
Equipment
Tier 3 and Tier 4 Diesel Motors Manufactured
After 2006:
Equipment Shut Off When Not In Use (No Idling):
Equipment Inspected For Leaks, Seepages, ETC:
Administrative
Vegetation and Plants Supplied Locally:Yes [X] No[] N/A []
Local Subcontractors Used:Yes [X] No[] N/A []
Borrow Pit Source Selected Closer to Project but Within
Mandated Radius Criteria:Yes [X] No[] N/A []
Waste Management
Waste Generated Recycled (0)%:Yes [] No[X] N/A []
Wood/Tree's Removed Chipped and Staged for Use
Along Tittabawasse River Flood Plain as Barrier
Or Dust Control:
Landscaping/Perennial Plants Brought to Site in
Recyclable Pots that Will Be Collected and Reused By Supplier:
Project Controls
Recycled Newspaper Used as Binder for Hydroseeding
Portions:
Geosynthetics Used on Property Access Area:
Tarps Used on Trucks During Soil Removal: Yes [X] No[] N/A [] Tarps Used on Borrow Trucks: Yes [X] No[] N/A []
Active Dust Management System Used:
Phosphate Free Fertilizers Used:
Removed Soil Taken to Dow Plant For Reuse in Facility: Yes [] No[X] N/A []
Use of Sod as the Preferred Revegitation Tool:
Upgrading Irrigation Controls to Include a Rain Sensor:Yes [X] No[] N/A []
Preprogramming Irrigation System to Water Only at
Prescribed Rates and Times:Yes [X] No[] N/A []
Reuse Existing Concrete Foundations When PossibleYes [] No[X] N/A []
Use Water Efficient LandscapingYes [] No[] N/A [X]
Clean Manholes, Curb Inlets, Drop Inlets, Trench Drains,
Gratings, and Frames of Construction Debris, Dirt,
and TrashYes [X] No[] N/A []





LEGEND MIDLAND RESOLUTION

C Remediated Area Property

Area Excavated: Total Area Not Excavated: Total Yard Area: 4154 sq. ft. 446 sq.ft. 4600 sq. ft. (Includes small section of neighbors yard)

30 0 15

Parcel 14-16-40-291 Feet Midland Resolution Soil Replacement

60

Dow Midland Soils Remedy Worksheet

Site Address: 618 Reardon Ct. Parcel: 14-16-40-291 Date: 6-Nov-13

Initial Soil Sam 230 If < or = 220, No Re If > 280, Remedy If > 220 but < or = 2	Soil Result (ppt)	Soil Remedy Result: TEST REPLICATES
Replicate Soil 3 210 136 232 193 50.3 2.92 277	Samples Initial soil result (ppt) Replicate result (ppt) Replicate result (ppt) Average (ppt) Standard Deviation (ppt) t (0.95, 2) 95% UCL (Student's t Upper Confidence Limit)	Soil Replicate Remedy Result: REMEDY
If > 250, Remedy If < or = 250, No Re If Soil Remedy	emedy Required, Evaluate Indoor Dust:	
277 4600 446 40	Initial soil result or 95% UCL if replicates were required (ppt) Area of yard (ft ²) (area as sampled) Area not remedied (ft ²) Surface Weighted Average (SWA) (ppt)	Indoor Dust Remedy Result: NO REMEDY
10% <u>5.73E-06</u>	% Undisturbed Remaining Soil (URS) <i>Risk is acceptable if < or</i> = 10^{-5}	

PROPERTY INFORMATION

Property Owner: N	lichael Burrell		Property	Address: 61	8 Reardon Ct.
Contract Personnel Kappen Tre Servinski Fisher Pats	: ee Service – 8/23/13		• k • S • F		ket Truck, Chipper ni Excavator, Bobcats
Field Person: Gary	Waugh		Date: 8/26/13		
DESCRIPTIO	N OF SOILS RE	MOVA	L		
Remediation Area ((Sq Ft): 3542	Yards In:			Yards Out: 210 * See Below
Description of Cut Depth: All soils within the remediation area square footage were removed to an average depth of 12 inches.					
Verification	Measured cut depth at	the excavation	ation line	Date Verifi	ed/Initial: 8/26/13 GW

Method: Describe soils remaining: Approximately 433sq ft of area was not excavated. The area has existing landscaping that the owner did not want removed.

DESCRIPTION OF FIELD ACTIVITIES:

Kappen Tree Service: Was on site 8/23/13 and removed the select trees. Wood chips were hauled to the Allied staging area.

Servinski/Fisher: Began the soils dig out. The mini excavator was used due to limited property space. A bobcat was used to load the excavated soils. Catch basin filters were not needed as there were no catch basins within 100ft of the property. Silt fence was installed at the curb line along Reardon Ct. Water was applied to the excavated soils during load out.

* Yards Out:

210yrds - Soil relocated to (Dow MIOPS Poseyville Landfill MAS Stockpile Area)

Gary Waugh

8/26/13

Field Representative Signature

Weather: Clear, 68 -85, light winds

Date

PROPERTY INFORMATION

Property Owner: Michael Burrell	Property Address: 618 Reardon Ct.
Contract Personnel:	Contractor Equipment:
• Servinski	 Servinski: Mini Excavator, Bobcats
• Fisher	• Fisher: Hand Tools
• Pats	Pats: Trucks
Reliable Plumbing	Reliable: Hand Tools
Field Person: Gary Waugh	Date: 8/27/13
DESCRIPTION OF SOILS REMOVA	L

	TOT OF SOLES THE				
Remediation Ar	ea (Sq Ft): 3542	Yards In: 90 * See	Below	Yards Out: 21 * See Be	elow
Description of C	ut Depth:				
All soils within	the remediation area square	footage were remov	ved to an aver	age depth of 12 inches.	
Verification	Measured cut depth at	the excavation line	Date Verifie	ed/Initial: 8/27/13 GW	
Method:					
Describe soils re	emaining: Approximately 4	33sq ft of area was i	not excavated	I. The area has existing	
landscaping that	the owner did not want ren	noved.			

DESCRIPTION OF FIELD ACTIVITIES:

Reliable Plumbing: Was on site today and installed the backflow preventer and the necessary plumbing to accommodate the irrigations system.

Servinski/Fisher: Completed the soils dig out and began importing placing and grading topsoil. Silt fence was inspected and found to be in good condition. Rain began mid afternoon. The site was secured and work stopped for the day.

* Yards Out:

21yrds – Soil relocated to (Dow MIOPS Poseyville Landfill MAS Stockpile Area)

* Yards In: 90yrds - Topsoil

Gary Waugh

8/27/13

Field Representative Signature

Weather: Cloudy, afternoon rain, 70 -85, light winds

Date

PROPERTY INFORMATION

Property Owner: Michael Burrell	Property Address: 618 Reardon Ct.
Contract Personnel:	Contractor Equipment:
Servinski	 Servinski: Mini Excavator, Bobcats
• Fisher	• Fisher: Hand Tools
• Pats	Pats: Trucks
Kokaly	Kokaly: Hand Tools
Field Person: Gary Waugh	Date: 8/28/13
DESCRIPTION OF SOILS RI	EMOVAL
Demodiation Area (So Et), 2540	Varda Lee 145 * See Delane Vanda Oute * See Delane

the second se		
Remediation Area (Sq Ft): 3542	Yards In: 145 * See Below	Yards Out: * See Below
N. 4.		
Description of Cut Depth:		
1		
All soils within the remediation area square	e footage were removed to an ave	erage depth of 12 inches
The solid writing die remountation area square	c rootage were removed to an ave	side depth of 12 menes.

Verification	Measured cut depth at the excavation line	Date Verified/Initial: 8/27/13 GW
Method:		
Describe soils re	maining: Approximately 433sq ft of area was	not excavated. The area has existing

Describe soils remaining: Approximately 433sq ft of area was not excavated. The area has existing landscaping that the owner did not want removed.

DESCRIPTION OF FIELD ACTIVITIES:

Kokaly: Installed the irrigation system piping, low voltage wiring, valves and sprinkler heads. The crew also performed a system function check.

Servinski/Fisher: The crew completed importing placing and grading topsoil. Landscape beds were laid out and the edging was installed. Trees, shrubs and flowers were planted and hardwood mulch placed in the beds. The crew also restored the adjoining properties gravel driveway (property owner agreed to allow access of driveway). Silt fence was inspected and found to be in good condition.

* Yards Out:

75yrds – Mixed gravel and sand relocated (Dow MIOPS Poseyville Landfill MAS Stockpile Area) adjoining properties driveway material

* Yards In:

105yrds – Topsoil

30yrds – Stone Mix (adjoining properties driveway restoration)

10yrds – Hardwood Mulch

DESCRIPTION OF FIELD ACTIVITIES CONTINUED:

Gary Waugh

8/28/13

Date

Field Representative Signature

Weather: Clear, 70 -88, light winds

	ion Assurance Form Resolution
Property Information	Resolution
Property Owner: <u>Michael Burrell</u>	Contract Personnel: Pat's Trucking, Servinski
Property Address: <u>618 Reardon</u>	Contract reisonner. <u>Par's Hucking, Servinski</u>
Field Person: <u>Gary Waugh</u>	Date: 8/27/2013
Fuel Usage	
0	Yes [X] No[] N/A[
Equipment	
Tier 3 and Tier 4 Diesel Motors	
	In Use (No Idling):Yes [X] No[] N/A [
Equipment Inspected For Leaks	, Seepages, ETC:
Administrative	
	Locally:Yes [X] No[] N/A [
	Yes [X] No[] N/A []
Borrow Pit Source Selected Clo	
Mandated Radius Criteri	a:Yes [X] No[] N/A [
Waste Management	
)%:Yes [] No[X] N/A [
Wood/Tree's Removed Chipped	
	er Flood Plain as Barrier
-	Yes [X] No[] N/A [
Landscaping/Perennial Plants B	
Recyclable Pots that Wil	ll Be Collected and Reused
By Supplier:	Yes [X] No[] N/A []
Project Controls	
Recycled Newspaper Used as B	
	Yes [] No[] N/A [X
	Access Area:Yes [X] No[] N/A [
	oil Removal:Yes [X] No[] N/A
	m Used:
-	:
	ant For Reuse in Facility:Yes [] No[X] N/A [
	egitation Tool:Yes [X] No[] N/A [
	D Include a Rain Sensor:Yes [X] No[] N/A [
Preprogramming Irrigation Syst Prescribed Rates and Tir	nes:Yes [X] No[] N/A []
	ations When PossibleYes [] No[X] N/A []
	gYes [] No[] N/A []
Clean Manholes, Curb Inlets, D	
	Construction Debris, Dirt,
0	Yes [X] No[] N/A []





LEGEND Remediated Area Property 6298 sq. ft.

Area Excavated: 6298 sq. ft.

Total Area Not Excavated: 0 sq. ft.

0

15 30

Parcel 14-16-50-260 Midland Resolution Soil Replacement

Feet

60

Dow Midland Soils Remedy Worksheet

Site Address: 708 Rodd St. Parcel: 14-16-50-260 Date: 4-Nov-13

Dale.	4-1100-13	
Initial Soil Sam <u>350</u> If < or = 220, No Re If > 280, Remedy If >220 but < or = 2	Soil Result (ppt)	Soil Remedy Result: REMEDY
Replicate Soil : 2.92 If > 250, Remedy If < or = 250, No Re	Initial soil result (ppt) Replicate result (ppt) Replicate result (ppt) Average (ppt) Standard Deviation (ppt) t (0.95, 2) 95% UCL (Student's t Upper Confidence Limit)	Soil Replicate Remedy Result:
	on out	
If Soil Remedy 350	Required, Evaluate Indoor Dust: Initial soil result or 95% UCL if replicates were required (ppt)	Indoor Dust Remedy Result:
6298	Area of yard (ft ²) (area as sampled)	NO REMEDY
0	Area not remedied (ft ²)	
15	Surface Weighted Average (SWA) (ppt)	
0%	% Undisturbed Remaining Soil (URS)	
<u>6.48E-06</u>	Risk is acceptable if $< \text{ or} = 10^{-5}$	

PROPERTY INFORMATION

Property Owner: John Selby			Property Address: 708 Rodd St.		
Property Owner: John Selby Contract Personnel: • Servinski • Fisher • Sugar Construction • Pats		Property Address: 708 Rodd St. Contractor Equipment: • Servinski: Bobcat, Excavator, Mini Excavator • Fisher: Hand Tools • Sugar: Hand Tools • Pats: Trucks			
Field Person: Gary Waugh			Date: 5/13/13		
	ON OF SOILS RE				
Remediation Area	(Sq Ft): 5642	Yards In:	: 150 *See Below Yards Out: 300 *See Bel		Yards Out: 300 *See Below
Description of Cut All soils within the	-	e footage v	vere remov	ed to an ave	erage depth of 12 inches.
Verification Measured depth along excavation		n cut	Date Verif	fied/Initial: GW 5/13/13	

Describe soils remaining: All soils removed.

DESCRIPTION OF FIELD ACTIVITIES:

Sugar Construction: Formed a section of city sidewalk 4ft x 12ft and a 4ft x 6ft pad for the north entrance door to the house. Concrete is scheduled for 5/14/13.

Servinski/Fisher: Began and completed the soil dig out. Gary Waugh measured depth cut as the excavation progressed. Some topsoil was imported placed and rough graded. Sand and stone mix was imported and placed for the driveway.

* Yard Out:

15yrds – Concrete, debris and soil hauled to (Midland City Landfill – For disposal) 285yrds – Soil relocated to (Salzburg MAS Soil Stockpile Area)

* Yards In: 120yrds – Topsoil 15yrds – Sand 15yrds – Stone mix

Silt fence was installed at the curb line along Rodd St. The city sidewalk was barricaded closed and the street sweeper cleaned Rodd St.

DESCRIPTION OF FIELD ACTIVITIES – CONTINUED:

Gary Waugh

5/13/13

Date

Field Representative Signature

Weather: Partly cloudy, 32 - 55, windy.

PROPERTY INFORMATION

Property Owner: John Selby	Property Address: 708 Rodd St.
Contract Personnel:	Contractor Equipment:
 Servinski Fisher Sugar Construction Pats Kokaly Reliable Plumbing 	 Servinski: Bobcat Fisher: Hand Tools Sugar: Hand Tools Pats: Trucks Kokaly: Ditchwitch, Hand Tools Reliable: Hand Tools
Field Person: Gary Waugh	Date: 5/14/13
DESCRIPTION OF SOILS RE	MOVAL
Remediation Area (Sq Ft): 5642	Yards In: *See Below Yards Out: * See Below
Description of Cut Depth:	
See 5/13/13	
Verification See 5/13/13	Date Verified/Initial: GW 5/13/13

Describe soils remaining: See 5/13/13

DESCRIPTION OF FIELD ACTIVITIES:

Sugar Construction: Poured a section of city sidewalk 4ft x 12ft and a 4ft x 6ft pad for the north entrance door to the house. The contractor also replaced several sections of chain link fence that had grown into or damaged by the trees that were removed. The remaining section of city sidewalk and drive approach to be poured is scheduled for 5/16/13.

Reliable Plumbing: Was onsite and installed the backflow preventer and necessary plumbing needed to accommodate the irrigation system.

Kokaly: Installed the irrigation system piping, sprinkler heads, low voltage wiring and valves.

Servinski/Fisher: Completed the topsoil import and placement. Landscape bed defined, edging installed and shrubs and bushes planted. Drainage stone and hardwood mulch was placed in the appropriate bed. Stone mix for the driveway was hauled in, placed and graded.

* Yard Out:

Method:

15yrds - Concrete, debris and soil hauled to (Midland City Landfill - For disposal)

Yards In:
45yrds – Topsoil
30yrds – Stone Mix
9yrds – Drainage Stone
10yrds - Mulch

DESCRIPTION OF FIELD ACTIVITIES – CONTINUED:

Silt fence was installed at the curb line along Rodd St. The city sidewalk was barricaded closed and the street sweeper cleaned Rodd St.

Gary Waugh

5/14/13

Date

Field Representative Signature

Weather: Cloudy, 45 - 63, light winds.

PROPERTY INFORMATION

Property Owner: John Selby			Property Address: 708 Rodd St.		
Contract Personnel:		Contractor Equipment:			
 Servinski 			• S	ervinski: Bo	obcat
• Fisher			• F	isher: Hand	Tools
Pats			• P	ats: Trucks	
Field Person: Gary	Waugh		Date: 5/15/13		
DESCRIPTIO	N OF SOILS RE	MOVA	L		
Remediation Area ((Sq Ft): 5642	Yards In:	1: 0 Yards Out:		Yards Out: 0
Description of Cut	Depth:				
e.					
0 5/10/10					
See 5/13/13					
					A 46 11 1 000 6/10/10
Verification See 5/13/13			Date Verif	ied/Initial: GW 5/13/13	
Method:					
Describe soils rema	uning: See 5/13/13				

DESCRIPTION OF FIELD ACTIVITIES:

Servinski/Fisher: Completed hand prepping the topsoil. Sod was placed and trimmed. Final clean up and punch list items are scheduled for 5/16/13.

Gary Waugh

5/15/13

Date

Field Representative Signature

Weather: Clear, 55 – 75, light winds.

PROPERTY INFORMATION

Property Owner: John Selby		Property Address: 708 Rodd St.			
Contract Personnel:		Contractor Equipment:			
 Servinski 				ervinski: Bo	
Fisher				isher: Hand	Tools
Pats			• Pa	ats: Trucks	
Field Person: Gary Waugh		Date: 5/16/13			
	N OF SOILS RE	MOVA	L		
Remediation Area ((Sq Ft): 5642	Yards In:	n: 0		Yards Out: 0
Description of Cut	Depth:				
See 5/13/13					
Verification Method:				Date Verif	fied/Initial: GW 5/13/13
Describe soils rema	aining: See 5/13/13				

DESCRIPTION OF FIELD ACTIVITIES:

Sugar Construction: Poured the remaining city sidewalk section 4ft x 20ft and the drive approach 5ft x 18ft with flare.

Servinski/Fisher: Performed final site cleanup. 708 Rodd is complete pending a final walk through with the property owner.

Gary Waugh

5/16/13

Field Representative Signature

Weather: Clear, 50 - 76, light winds.

Date

Green Remediation Assurance Form Midland Resolution
Property Information
Property Owner: John Selby Contract Personnel: Pat's Trucking, Servinski
Property Address: 708 Rodd St.
Field Person: Gary WaughDate: 5/14/2013
Fuel Usage
Low Sulfur Diesel Used:Yes [X] No[] N/A[]
Equipment
Tier 3 and Tier 4 Diesel Motors Manufactured
After 2006:Yes [X] No[] N/A []
Equipment Shut Off When Not In Use (No Idling):Yes [X] No[] N/A []
Equipment Inspected For Leaks, Seepages, ETC:Yes [X] No[] N/A []
Administrative
Vegetation and Plants Supplied Locally:
Local Subcontractors Used:
Borrow Pit Source Selected Closer to Project but Within
Mandated Radius Criteria:Yes [X] No[] N/A []
Waste Management
Waste Generated Recycled (0)%:Yes [] No[X] N/A []
Wood/Tree's Removed Chipped and Staged for Use
Along Tittabawasse River Flood Plain as Barrier
Or Dust Control:
Landscaping/Perennial Plants Brought to Site in
Recyclable Pots that Will Be Collected and Reused
By Supplier:Yes [X] No[] N/A []
Project Controls
Recycled Newspaper Used as Binder for Hydroseeding
Portions:Yes [] No[] N/A [X]
Geosynthetics Used on Property Access Area:Yes [X] No[] N/A []
Tarps Used on Trucks During Soil Removal:
Tarps Used on Borrow Trucks:
Active Dust Management System Used:Yes [] No[] N/A [X]
Phosphate Free Fertilizers Used:Yes [] No[] N/A [X]
Removed Soil Taken to Dow Plant For Reuse in Facility:Yes [] No[X] N/A []
Use of Sod as the Preferred Revegitation Tool:Yes [X] No[] N/A []
Upgrading Irrigation Controls to Include a Rain Sensor:Yes [X] No[] N/A []
Preprogramming Irrigation System to Water Only at
Prescribed Rates and Times:
Reuse Existing Concrete Foundations When PossibleYes [] No[X] N/A []
Use Water Efficient Landscaping
Clean Manholes, Curb Inlets, Drop Inlets, Trench Drains,
Gratings, and Frames of Construction Debris, Dirt,
and TrashYes [X] No[] N/A []





LEGEND Remediated Area Property

Total Yard Area: 5078 sq. ft.

Area Excavated: 5078 sq. ft.

Total Area Not Excavated: 0 sq. ft. 0

30 15

60

Parcel 14-16-40-600 Feet Midland Resolution Soil Replacement

Dow Midland Soils Remedy Worksheet

Site Address: 1004 State St. Parcel: 14-16-40-600 Date: 4-Nov-13

Date:	4-Nov-13	
Initial Soil Sam	ple	Soil Remedy Result:
352	Soil Result (ppt)	REMEDY
If < or = 220, No Re	emedy	
lf > 280, Remedy		
<i>If</i> >220 <i>but</i> < or = 2	80, Test Replicates	
	Demonto e	Osil Daulisata
Replicate Soil		Soil Replicate
	Initial soil result (ppt)	Remedy Result:
	Replicate result (ppt)	
	Replicate result (ppt)	
	Average (ppt)	
	Standard Deviation (ppt)	
2.92	t (0.95, 2)	
=	95% UCL (Student's t Upper Confidence Limit)	
lf > 250, Remedy		
<i>If < or = 250, No Re</i>	emedy	
If Soil Remedy	Required, Evaluate Indoor Dust:	
352	Initial soil result or 95% UCL if	Indoor Dust
002	replicates were required (ppt)	Remedy Result:
5078	Area of yard (ft ²) (area as sampled)	NO REMEDY
0	Area not remedied (ft ²)	
15	Surface Weighted Average (SWA) (ppt)	
0%	% Undisturbed Remaining Soil (URS)	
<u>6.52E-06</u>	Risk is acceptable if < or = 10^{-5}	

PROPERTY INFORMATION

Property Owner: To	om & Amber Van Pelt		Property Address: 1004 State St.		
Property Owner: Tom & Amber Van Pelt Contract Personnel: • Kappen Tree Service 4/25/13 • M & M Stump Grinding • Servinski • Fisher		 Property Address: 1004 State St. Contractor Equipment: Kappen: Boom Crane, Bucket Truck, Chipper, Log Truck, Stinger M & M: Stump Grinder Servinski: Mini Excavator, Bobcat Fisher: Hand Tools 			
Field Person: Gary	Waugh		Date: 4/29/13		
DESCRIPTIO	N OF SOILS RE	MOVA	L		
Remediation Area (Yards In:	: 175 * See Below Yards Out: 285 * See Below		Yards Out: 285 * See Below
Description of Cut Depth: All soils were excavated to an average depth of 12 inches except where the existing concrete driveway and patio were not removed. The out lawn area was excavated to an average depth of only 8 inches to eliminate damage to the roots of an existing tree.					
Verification	A laser level was used to check cu			Date Veri	fied/Initial: GW 4/29/13
Method:	depths and determine	finish grad	es.		

Describe soils remaining: See above Description of Cut Depth

DESCRIPTION OF FIELD ACTIVITIES:

Kappen Tree Service: On 4/25/13 cut and removed the selected trees. All logs and wood chips were hauled to the Allied staging area.

M & M: Performed stump grinding.

Servinski/Fisher: Completed the majority of the dig out. A small area of soil remains where a portion of city sidewalk will be removed at a later date at which time the soils will also be excavated. The contractor also began placing and rough grading imported topsoil. Excavated soil was hauled and relocated to the Salzburg Landfill MAS Stockpile Area. Concrete and debris was hauled to the Midland City Landfill for disposal.

Yards Out: 255yrds – Soil 30yrds – Concrete, soil and debris Yard In: 175yrs – Topsoil

DESCRIPTION OF FIELD ACTIVITIES – CONTINUED:

Silt fence was installed at the curb line along State St. at the end of day. The city sidewalk was barricaded closed and site cleanup performed.

Gary Waugh

4/29/13

Field Representative Signature

Date

Weather: Partly cloudy, 48 – 70, light winds.

PROPERTY INFORMATION

Property Owner: Tom & Amber Van Pelt		Property Address: 1004 State St.			
Contract Personnel:		Contractor Equipment:			
Servinski		Servinski: Mini Excavator, Bobcat			
• Fisher			• Fisher: H	and '	Tools
Reliable Plu	umbing		Reliable:	Han	d Tools
Field Person: Gary	Waugh		Date: 4/30/13		
DESCRIPTIO	N OF SOILS REM	10VA	L		
Remediation Area (Sq Ft): 5188	Yards In:	* See Below Yards Out: 0		Yards Out: 0
Description of Cut	Depth:				
See 4/29/13					
Verification	See 4/29/13		Date V	erifi	ed/Initial:
Method:					
Describe soils rema	ining: See 4/29/13				

DESCRIPTION OF FIELD ACTIVITIES:

Reliable Plumbing: Installed the backflow preventer and necessary plumbing to accommodate the irrigation system.

Servinski/Fisher: Placed and rough graded imported topsoil. Sand was also placed for the proposed property sidewalks. Rain began around mid morning and lasted until noon. The topsoil was already relatively wet and along with the morning rain it was now saturated and was not able to be graded. In the afternoon the weather improved with clearing skies and sun. To continue working the contractor skimmed or removed several inches of the saturated topsoil and replaced it with fresh to be able to grade the topsoil. Though this process worked, discussions with the contractor later in the day determined that it probably would have been better not to continue importing topsoil knowing that rain was expected. Yards In:

90yrds – Topsoil 7yrds – Sand

Silt fence was installed at the curb line along State St. at the end of day. The city sidewalk was barricaded closed and site cleanup performed.

DESCRIPTION OF FIELD ACTIVITIES - CONTINUED:

Gary Waugh

4/30/13

Field Representative Signature

Date

Weather: AM rain showers, PM clearing sunny, 55 - 75, light winds.

PROPERTY INFORMATION

Property Owner: Ton	n & Amber Van Pelt		Property Address:	1004 State St.	
Contract Personnel:		Contractor Equipment:			
 Servinski 			 Servinski: 	Mini Excavator, Bobcat	
• Fisher			• Fisher: Ha	nd Tools	
 Kokaly 			 Kokaly: D 	itchwitch, Hand Tools	
Sugar Constr	ruction		Sugar: Ha	nd Tools	
			_		
Field Person: Gary V	Waugh		Date: 5/1/13		
DESCRIPTION	NOF SOILS RE	MOVA	L		
Remediation Area (S	q Ft): 5188	Yards In:	* See Below	Yards Out: * See Below	
Description of Cut D	epth:				
See 4/29/13					
Verification	See 4/29/13		Date Ve	erified/Initial:	
Method:					
Describe soils remain	ning: See 4/29/13				

DESCRIPTION OF FIELD ACTIVITIES:

Kokaly: Installed the irrigation system, piping, sprinkler heads, low voltage wiring and valves.

Sugar Construction: Formed and poured several sidewalk sections; the existing 4ft x 16ft section between the house and city sidewalk; a new section between the driveway and the previously mentioned section. The contractor also replaced a 3ft x 15ft section of the driveway that was damaged during the soil dig out. The city sidewalk section to be formed and poured is scheduled for 5/2/13.

Servinski/Fisher: Completed the topsoil placement and final grading, installed the landscape edging, planted shrubs, trees and bushes and began placing hardwood mulch. The contractor also removed the section of city sidewalk that has to be replaced. The concrete was hauled to the Midland City Landfill for disposal.

*Yards Out:

15yrds - Concrete and soil

*Yards In:

15yrds – Topsoil

16yrds – Hardwood Mulch

Silt fence was installed at the curb line along State St. at the end of day. The city sidewalk was barricaded closed and site cleanup performed.

DESCRIPTION OF FIELD ACTIVITIES – CONTINUED:

Gary Waugh

Field Representative Signature

Weather: Sunny, 58 – 82, light winds.

5/1//13

Date

PROPERTY INFORMATION

Property Owner: Tom & Amber Van Pelt			Property Address: 1004 State St.			
Contract Personnel:			Contractor Equipment:			
• Servinski			Servinski: Bobcat, Hand Tools			
• Fisher		• Fisher: Hand Tools				
Sugar Construction		Sugar: Hand Tools				
Field Person: Gary Waugh			Date: 5/2/13			
	N OF SOILS RE	MOVA	L			
Remediation Area	(Sq Ft): 5188	Yards In:	* See Bel	low	Yards Out: 0	
Description of Cut	Depth:					
See 4/29/13						
Verification	See 4/29/13			Date Veri	fied/Initial:	
Method:		_				
Describe soils rema	aining: See 4/29/13					

DESCRIPTION OF FIELD ACTIVITIES:

Sugar Construction: Formed and poured 52ft of city sidewalk.

Servinski/Fisher: Finished the landscape beds, placed drainage stone along the garage, prepared the topsoil for sod. Sod placed and trimmed as needed. The site was cleaned up and all the silt fence removed. 1004 State is complete pending a final walk through with the property owner. *Yards In:

4yrds – Drainage Stone

Gary Waugh

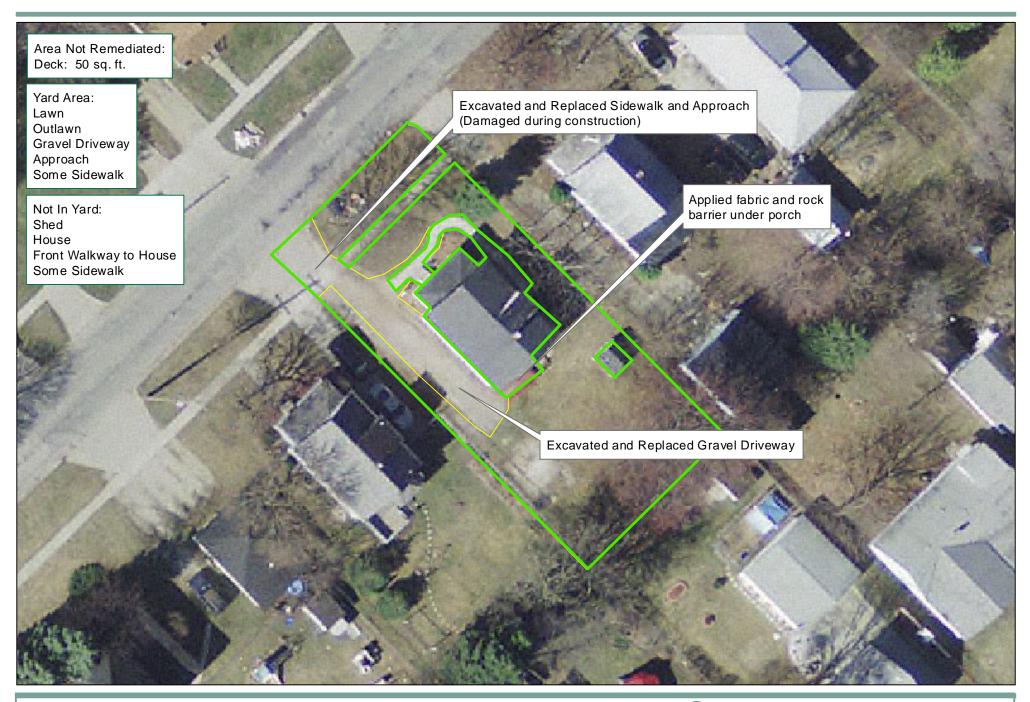
5/2//13

Field Representative Signature

Weather: Sunny, 60 - 79, light winds.

Date

Green Remediation Assurance F	form
Midland Resolution	
Property Information	manual D-12 Trading Gaussiali
Property Owner: <u>Tom & Amber Van Pelt</u> Contract Pe	ersonnel: <u>Pat's Trucking, Servinski</u>
Property Address: <u>1004 State St.</u> Field Person: <u>Gary Waugh</u>	Date: 5/01/2013
	Date: <u>5/01/2013</u>
Fuel Usage Low Sulfur Diesel Used:	Yes [X] No[] N/A[]
Equipment Tier 3 and Tier 4 Diesel Motors Manufactured	
After 2006:	Ver [V] No[] N/A []
Equipment Shut Off When Not In Use (No Idlin	
Equipment Inspected For Leaks, Seepages, ETC	
Administrative	
Vegetation and Plants Supplied Locally:	
Local Subcontractors Used:	
Borrow Pit Source Selected Closer to Project bu	
Mandated Radius Criteria:	Yes [X] No[] N/A []
Waste Management	
Waste Generated Recycled (0)%:	Yes [] No[X] N/A []
Wood/Tree's Removed Chipped and Staged for	
Along Tittabawasse River Flood Plain a	
Or Dust Control:	
Landscaping/Perennial Plants Brought to Site in	
Recyclable Pots that Will Be Collected a	
By Supplier:	
Project Controls	
Recycled Newspaper Used as Binder for Hydros	seeding
Portions:	0
Geosynthetics Used on Property Access Area:	
Tarps Used on Trucks During Soil Removal:	
Tarps Used on Borrow Trucks:	
Active Dust Management System Used:	
Phosphate Free Fertilizers Used:	
Removed Soil Taken to Dow Plant For Reuse in	
Use of Sod as the Preferred Revegitation Tool:	
Upgrading Irrigation Controls to Include a Rain	
Preprogramming Irrigation System to Water Onl	
Prescribed Rates and Times:	
Reuse Existing Concrete Foundations When Pos Use Water Efficient Landscaping	
Clean Manholes, Curb Inlets, Drop Inlets, Trenc	
Gratings, and Frames of Construction De and Trash.	





LEG END

Remediated Area Total Yard Area: Property 6409 sq. ft.

Area Excavated:Total Area Not Excavated:6359 sq. ft.50 sq. ft.

Excavated:

15 30

Feet

60

Parcel 14-16-40-258 Midland Resolution Soil Replacement

Dow Midland Soils Remedy Worksheet

Site Address: 1114 State St. Parcel: 14-16-40-258 Date: 4-Nov-13

1%

5.85E-06

Initial Soil Sample	Soil Remedy Result:
311 Soil Result (ppt)	NO REMEDY
f < or = 220, No Remedy	*Sample result used for conservative evaluation
f > 280, Remedy	is the 6-12" calculated soil value, which had a
f >220 but < or = 280, Test Replicates	higher result than the 6" sample.
Replicate Soil Samples	Soil Replicate
Initial soil result (ppt)	Remedy Result:
Replicate result (ppt)	
Replicate result (ppt)	<u> </u>
Average (ppt)	
Standard Deviation (ppt)	
Standard Deviation (ppt) 2.92 t (0.95, 2)	
)
2.92 t (0.95, 2) <u></u> 95% UCL (Student's t Upper Confidence Limit) If > 250, Remedy	
2.92 t (0.95, 2) <u></u> 95% UCL (Student's t Upper Confidence Limit) f > 250, Remedy	
2.92 t (0.95, 2) 	
2.92 t (0.95, 2) 	Indoor Dust Remedy Result:
2.92 t (0.95, 2) - 95% UCL (Student's t Upper Confidence Limit) f > 250, Remedy f < or = 250, No Remedy f Soil Remedy Required, Evaluate Indoor Dust: 1011 Initial soil result or 95% UCL if	Indoor Dust Remedy Result:
2.92 t (0.95, 2) - 95% UCL (Student's t Upper Confidence Limit) If > 250, Remedy If < or = 250, No Remedy If Soil Remedy Required, Evaluate Indoor Dust: 11 11 11 11 11 11 11 11 11 1	Indoor Dust Remedy Result:

% Undisturbed Remaining Soil (URS) Risk is acceptable if < or = 10^{-5}

PROPERTY INFORMATION

Property Owner: Tim Groninger	Property Address: 1114 State St.			
Contract Personnel: • Kappen Tree Service – 4/22/13 & 4/23/13 • Servinski • Fisher • Pat's • M & M – 4/24/13 & 4/25/13	Truck, Chipp	om Crane, Bucket Truck, Log oer, Stinger ini Excavators, Bobcats Tools		
Field Person: Gary Waugh	Date: 4/25/13			
DESCRIPTION OF SOILS REMOVA	ĂL.			
Dema listian Area (Ca Ed) (106 Vanda I	n. 125 * Cas halow	Vanda Out 210 * Cas halary		

Remediation Area (Sq Ft): 6406Yards In: 135 * See belowYards Out: 210 * See belowDescription of Cut Depth:

- An area on the north side of the house ~ 8ft x 45ft had to be excavated to an average depth of 20in to remove roots from the (5) trees removed by Kappen. This area will be replanted with Arbervitaes.
- All other Remediation Area (Sq Ft) was excavated to an average depth of 12 inches.

Verification	Laser level was used to spot check cut	Date Verified/Initial: 4/25/13 SS/GW		
Method:	depths			
Describe soils remaining: All soils removed except under existing sidewalks and the drive approach.				

DESCRIPTION OF FIELD ACTIVITIES:

Kappen Tree Service: Was onsite 4/22 and 4/23 to remove/trim selected trees. Brush and small limbs were chipped. The logs and wood chips were hauled to the Allied staging area.

M & M: Was onsite 4/24 and 4/25 to grind the stumps from the tree removal.

Servinski/Fisher: Began the soil dig out starting in the rear of the property working forward. As the soil was hauled out topsoil was imported and rough graded. Concrete and debris was hauled to the Midland City Landfill for disposal and the excavated soil was hauled/relocated to the Salzburg Landfill MAS Stockpile Area.

*Yards Out:

30yrds - Concrete/Debris 180yrds - Soils

*Yards In: 135yrs – Topsoil

DESCRIPTION OF FIELD ACTIVITIES – CONTINUED:

Silt fence was installed at the curb line along State St. Catch basin filters were checked and the street sweeper cleaned State St.

Gary Waugh

4/25/13

Date

Field Representative Signature

Weather: Cloudy, some rain showers, 36 – 48, windy.

PROPERTY INFORMATION

Property Owner: Tim Groninger			Property Address: 1114 State St.			
Contract Personnel:			Contractor Equipment:			
• Servinski			Servinski: Mini Excavators, Bobcats			
• Fisher		• Fisher: Hand Tools				
• Pat's		Pats: Trucks				
Sugar Construction		Sugar: Hand Tools				
j j				-		
Field Person: Gary	Waugh		Date: 4/26/13			
DESCRIPTIO	N OF SOILS RE	MOVA	L			
Remediation Area ((Sq Ft): 6406	Yards In:	: 135 * See	e below	Yards Out: 135 * See below	
Description of Cut	Depth: See 4/25/13					
_						
Verification	See 4/25/13			Date Veri	fied/Initial:	
Method:						

DESCRIPTION OF FIELD ACTIVITIES:

Servinski/Fisher: Completed the dig out and removed the existing concrete driveway. Topsoil was imported and rough graded. Concrete and debris was hauled to the Midland City Landfill for disposal and the excavated soil was hauled/relocated to the Salzburg Landfill MAS Stockpile Area.

*Yards Out: 60yrds – Concrete/Debris 75yrds - Soils

Describe soils remaining: See 4/25/13

*Yards In: 135yrs – Topsoil

Silt fence was installed at the curb line along State St. Catch basin filters were checked and the street sweeper cleaned State St.

Sugar Construction: Formed the driveway and drive approach and prepared the sub grade for concrete.

DESCRIPTION OF FIELD ACTIVITIES – CONTINUED:

Gary Waugh

4/26/13

Field Representative Signature

Date

Weather: Partly cloudy, 40 - 60, light winds.

PROPERTY INFORMATION

Property Owner: Tim Groninger		Property Address: 1	
Contract Personnel:		Contractor Equipment	nt:
Servinski		 Servinski: M 	Iini Excavators, Bobcats
• Fisher		• Fisher: Hand	1 Tools
Field Person: Gary Waugh		Date: 4/27/13	
DESCRIPTION OF SOILS RE	MOVA		
Remediation Area (Sq Ft): 6406		* See below	Yards Out: 0
Description of Cut Depth: See 4/25/13			
Description of Out Deput. See (25) 15			

Verification Method:	See 4/25/13	Date Verified/Initial:	
Describe soils re	emaining: See 4/25/13		

DESCRIPTION OF FIELD ACTIVITIES:

Servinski/Fisher: Final graded the topsoil and prepared it for sod. Installed edging around the proposed landscape beds, planted shrubs and flowers. Drainage stone and mulch was imported onto the site and placed in the appropriate landscape bed.

*Yards In:

10yrds – Drainage Stone 8yrds – Hardwood Mulch 6yrds – Red Mulch

Silt fence was installed at the curb line along State St. Catch basin filters were checked and the street sweeper cleaned State St.

Gary Waugh

4/27/13

Field Representative Signature

Weather: Sunny, 50 – 70, light winds.

PROPERTY INFORMATION

Property Owner:	Tim Groninger		Property .	Address: 11	114 State St.
Contract Personn	el:		Contracto	r Equipmen	nt:
 Servinsk 	i		• S	ervinski: M	ini Excavators, Bobcats
• Fisher			• F	isher: Hand	Tools
Sugar Co	onstruction		• S	ugar: Hand	Tools
Field Person: Ga	ry Waugh		Date: 4/2	29/13	
	ION OF SOILS RE	MOVA	L		
Remediation Are		Yards In	0		Yards Out: 0
Description of C	ut Depth: See 4/25/13				
Verification Method:	See 4/25/13			Date Veri	fied/Initial:
Describe soils re	maining: See 4/25/13				

DESCRIPTION OF FIELD ACTIVITIES:

Servinski/Fisher: Placed sod and performed final site cleanup. All the silt fence and catch basin filters were removed. Sugar Construction scheduled to form and pour city sidewalk section and drive approach.

Gary Waugh

4/29/13

Field Representative Signature

Weather: Sunny, 48 – 70, light winds.

PROPERTY INFORMATION

Property Owner: T	im Groninger		Property	Address: 11	14 State St.
Contract Personnel:			Contracto	or Equipmen	t:
Sugar Cons	struction		• S	ugar: Hand	Tools
Field Person: Gary	Waugh		Date: 4/3	30/13	
	N OF SOILS RE	MOVA			
Remediation Area (Yards In	0		Yards Out: 15 * See below
Description of Cut	Depth: See 4/25/13				
Verification Method:	See 4/25/13			Date Verif	ied/Initial:
Describe soils rema	ining: See 4/25/13				

DESCRIPTION OF FIELD ACTIVITIES:

Sugar Construction: Formed and poured the new concrete drive approach and the city sidewalk section.

* Yards Out:

15yrds - Concrete/Soil

The old concrete was hauled to the Midland City Landfill for disposal. The form boards were removed after the concrete had hardened. The sod was repositioned to the new concrete edge. 1114 State site is complete pending final walk through with the property owner.

Gary Waugh

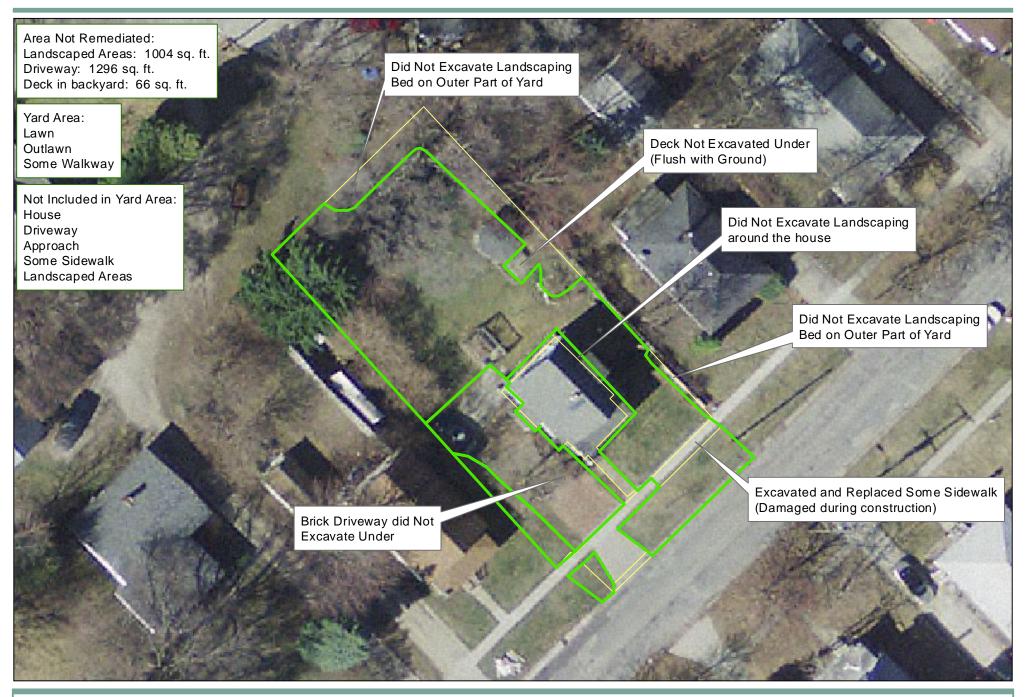
4/30/13

Field Representative Signature

Weather: Morning showers, clearing with sun in the pm, 55 - 75, light winds.

Date

Green Remediation Assurance	Form
Midland Resolution	
Property Information	
1 /	el: Pat's Trucking, Servinski
Property Address: <u>1114 State St.</u>	Data: 1/25/2012
Field Person: Gary Waugh	Date: <u>4/25/2013</u>
Fuel Usage	
Low Sulfur Diesel Used:	Yes [X] No[] N/A[]
Equipment	
Tier 3 and Tier 4 Diesel Motors Manufactured	
After 2006:	
Equipment Shut Off When Not In Use (No Idli	
Equipment Inspected For Leaks, Seepages, ET	C:Yes [X] No[] N/A []
Administrative	
Vegetation and Plants Supplied Locally:	Yes [X] No[] N/A []
Local Subcontractors Used:	
Borrow Pit Source Selected Closer to Project b	
Mandated Radius Criteria:	
Waste Management	
Waste Generated Recycled (0)%:	Ves [] No[X] N/A []
Wood/Tree's Removed Chipped and Staged fo	
Along Tittabawasse River Flood Plain	
Or Dust Control:	
Landscaping/Perennial Plants Brought to Site i	
Recyclable Pots that Will Be Collected	
By Supplier:	
By Supplier	
Project Controls	
Recycled Newspaper Used as Binder for Hydro	
Portions:	
Geosynthetics Used on Property Access Area:	
Tarps Used on Trucks During Soil Removal:	
Tarps Used on Borrow Trucks:	
Active Dust Management System Used:	
Phosphate Free Fertilizers Used:	
Removed Soil Taken to Dow Plant For Reuse	in Facility:Yes [] No[X] N/A []
Use of Sod as the Preferred Revegitation Tool:	:Yes [X] No[] N/A []
Upgrading Irrigation Controls to Include a Rai	n Sensor:Yes [X] No[] N/A []
Preprogramming Irrigation System to Water O	nly at
Prescribed Rates and Times:	Yes [X] No[] N/A []
Reuse Existing Concrete Foundations When Po	ossibleYes [] No[X] N/A []
Use Water Efficient Landscaping	
Clean Manholes, Curb Inlets, Drop Inlets, Trer	
Gratings, and Frames of Construction I	
and Trash	





MIDLAND RESOLUTION

LEGEND Total Yard Area: Remediated Area 8902 sq. ft. Property

Area Excavated: 6536 sq. ft.

Total Area Not Excavated: 2366 sq. ft.

15 30

0

Parcel 14-16-40-322 Feet Midland Resolution Soil Replacement

60

Dow Midland Soils Remedy Worksheet

Site Address: 1119 State St. Parcel: 14-16-40-322 Date: 6-Nov-13

Date:	6-Nov-13	
Initial Soil Sam 547 If < or = 220, No Re If > 280, Remedy If >220 but < or = 2	Soil Result (ppt)	Soil Remedy Result:
Replicate Soil \$ 2.92 If > 250, Remedy If < 0r = 250, No Remedy	Initial soil result (ppt) Replicate result (ppt) Replicate result (ppt) Average (ppt) Standard Deviation (ppt) t (0.95, 2) 95% UCL (Student's t Upper Confidence Limit)	Soil Replicate Remedy Result:
547	Required, Evaluate Indoor Dust: Initial soil result or 95% UCL if replicates were required (ppt)	Indoor Dust Remedy Result:
8902 2366 156 27% <u>1.29E-05</u>	Area of yard (ft ²) (area as sampled) Area not remedied (ft ²) Surface Weighted Average (SWA) (ppt) % Undisturbed Remaining Soil (URS) <i>Risk is acceptable if < or = 10⁻⁵</i>	REMEDY

PROPERTY INFORMATION

Property Owner: Randy Grandsen	Property Address: 1119 State St.
Contract Personnel: • Servinski • Fisher • Pats • Sugar Construction	Contractor Equipment: • Servinski: Excavator, Mini Excavator, Bobcats • Fisher: Hand Tools • Pats: Trucks • Sugar: Hand Tools
Field Person: Gary Waugh	Date: 9/9/13
DESCRIPTION OF SOILS R	EMOVAL
Remediation Area (Sq Ft): 4867	Yards In: 0Yards Out: 225 * See Below
Description of Cut Depth:	

All soils within the remediation area square footage were removed to an average depth of 12 inches.

Verification	Cut depth was measured at the	Date Verified/Initial: 9/9/13 GW/SS		
Method:	excavation line.			
Describe soils remaining: Approximately 1200 sq ft of existing landscape beds were not disturbed – Soils				
left in place.				

DESCRIPTION OF FIELD ACTIVITIES:

Sugar Construction: The crew removed a section of privacy fence to gain access to the rear yard area.

Servinski/Fisher: Began the soils dig out in the rear yard area using the mini excavator and a bobcat. The soils were moved by the bobcat to the front yard out lawn where they were loaded into dump trucks. Water was sprayed onto the soils during excavation and load out to control dust. Catch basin filters were in place and in good condition. At the end of the work day silt fence was installed at the curb line along State St. and the street was cleaned with the sweeper truck.

* Yards Out:

225yrds – Soil relocated to (Dow MIOPS Poseyville Landfill MAS Stockpile Area)

Gary Waugh

9/9/13

Field Representative Signature

Weather: Clear, 60 - 78, light winds

PROPERTY INFORMATION

Property Owner: Randy Grandsen	Property Address:	1119 State St.
Contract Personnel: • Servinski • Fisher • Pats • Reliable Plumbing	Contractor Equipr Servinski: Bobcats Fisher: Ha Pats: Truc	nent: Excavator, Mini Excavator, and Tools
Field Person: Gary Waugh	Date: 9/10/13	
DESCRIPTION OF SOILS R		
Remediation Area (Sq Ft): 4867	Yards In: 30 * See Below	Yards Out: 30 * See Below
Description of Cut Depth:		

All soils within the remediation area square footage were removed to an average depth of 12 inches.

Method: excavation line. Describe soils remaining: Approximately 1200 sq ft of existing landscape beds were not disturbed –	
Describe soils remaining: Approximately 1200 so ft of existing landscape beds were not disturbed	
Describe sons remaining. Approximately 1200 sq it of existing failuscape beds were not disturbed –	
left in place.	

DESCRIPTION OF FIELD ACTIVITIES:

Reliable Plumbing: Installed the backflow preventer and the necessary plumbing to accommodate the irrigation system.

Servinski/Fisher: The crew completed the soils dig out and began importing, placing and grading topsoil. Catch basin filters were in place and in good condition. At the end of the work day silt fence was installed at the curb line along State St. and the street was cleaned with the sweeper truck.

* Yards Out:

30yrds - Soil relocated to (Dow MIOPS Poseyville Landfill MAS Stockpile Area)

* Yards In: 30yrds - Topsoil

Gary Waugh

9/10/13

Date

Field Representative Signature

Weather: Clear, 75 - 95, breezy

PROPERTY INFORMATION

Property Owner: R	andy Grandsen		Property	Address: 1	119 State St.
Contract Personnel: Contractor		or Equipme	nt:		
• Servinski		• S	ervinski: B	obcats	
• Fisher			• F	isher: Hanc	d Tools
Pats			• P	ats: Trucks	
Field Person: Gary	Waugh		Date: 9/1	1/13	
DESCRIPTIO	N OF SOILS RE	MOVA	L		
Remediation Area	(Sq Ft): 4867	Yards In:	90 * See	Below	Yards Out: 0
Description of Cut	Depth:				
_					
All soils within the	remediation area square	e footage v	vere remov	ved to an av	rerage depth of 12 inches.
Verification	Cut depth was measur	ed at the		Date Veri	fied/Initial: 9/10/13 GW/SS
Method:	excavation line.				
Describe soils rema	ining: Approximately	1200 sq ft	of existing	landscape	beds were not disturbed – Soils
left in place.	•	_	-	-	
DESCRIPTIO	NOF FIFLDAC		TC.		

DESCRIPTION OF FIELD ACTIVITIES:

Servinski/Fisher: The crew completed importing, placing and grading topsoil. Catch basin filters were in place and in good condition. At the end of the work day silt fence was reinstalled at the curb line along State St. and the street was cleaned with the sweeper truck.

* Yards In: 90yrds - Topsoil

Gary Waugh

9/11/13

Field Representative Signature

Weather: Clear, 70 - 85, breezy

PROPERTY INFORMATION

Property Owner: R	andy Grandsen		Property Address:	119 State St.
Contract Personnel:			Contractor Equipme	ent:
• Servinski		• Servinski: H	Bobcats	
• Fisher			• Fisher: Han	d Tools
Kokaly			• Kokaly: Ha	nd Tools
Sugar Cons	truction		Sugar: Hane	1 Tools
Field Person: Gary	· ·		Date: 9/12/13	
DESCRIPTIO	N OF SOILS RE	MOVA	L	
Remediation Area (Sq Ft): 4867	Yards In	: 20 * See Below	Yards Out: 0
Description of Cut	Depth:			
All soils within the	remediation area squar	e footage v	were removed to an av	verage depth of 12 inches.
Verification	Cut depth was measur	red at the	Date Ver	ified/Initial: 9/10/13 GW/SS
Method:	excavation line.			
Describe soils rema	ining: Approximately	1200 sq ft	of existing landscape	beds were not disturbed – Soils
left in place.				

DESCRIPTION OF FIELD ACTIVITIES:

Kokaly: Installed the irrigation system piping, low voltage wiring, valves and sprinkler heads. The crew also performed a system function check. Final adjustments will be made after the sod is placed and the system is turned on.

Sugar Construction: Formed and poured a section of city sidewalk 4ft x 27ft.

Servinski/Fisher: The crew final prepped and hand raked the topsoil. Landscape beds were laid out and the edging was installed. Shrubs and flowers were planted and drainage stone and hardwood mulch were placed in the appropriate bed. Catch basin filters were in place and in good condition. At the end of the work day silt fence was reinstalled at the curb line along State St. and the street was cleaned with the sweeper truck.

* Yards In: 20yrds – Hardwood Mulch

Gary Waugh

9/12/13

Field Representative Signature

Weather: Clear, 65 - 75, light winds

PROPERTY INFORMATION

Property Owner: Randy Grandsen			Property	Address: 11	119 State St.
Contract Personnel:		Contractor Equipment:			
 Servinski 			• S	ervinski: Bo	obcat
• Fisher			• F	isher: Hand	Tools
Field Person: Gary Waugh		Date: 9/13/13			
DESCRIPTION OF SOILS REMOVAL			L		
Remediation Area	(Sq Ft): 4867	Yards In:	: 0 Yards Out: 0		Yards Out: 0
Description of Cut	Depth:				
All soils within the	remediation area square	e footage v	vere remov	ved to an ave	erage depth of 12 inches.
Verification	Cut depth was measured at the			Date Verified/Initial: 9/10/13 GW/SS	
Method:	excavation line.				
Describe soils remaining: Approximately 1200 sq ft o			of existing	landscape b	eds were not disturbed – Soils
left in place.			-		
DECODIDITIO	NOF FIFLD AC		TO.		

DESCRIPTION OF FIELD ACTIVITIES:

Servinski/Fisher: Topsoil was hand raked and sod was placed and trimmed. The irrigation system was turned on, adjustments were made to the sprinkler heads and the clock was programmed. Catch basin filters and the silt fence were removed. A final site cleanup was performed. 1119 State St. is complete pending a walk through with the property owner.

Gary Waugh

9/13/13

Date

Field Representative Signature

Weather: Clear, 52 - 62, breezy

	on Assurance Form Resolution
Property Information	Resolution
Property Owner: <u>Randy Grandsen</u>	Contract Personnel: Pat's Trucking, Servinski
Property Address: <u>1119 State St.</u>	Conduct reisonner. <u>Tat s rideking, bervinski</u>
Field Person: <u>Gary Waugh</u>	Date: 9/10/2013
Fuel Usage	
	Yes [X] No[] N/A[]
Equipment	
Tier 3 and Tier 4 Diesel Motors 1	Manufactured
After 2006:	Yes [X] No[] N/A []
Equipment Shut Off When Not I	n Use (No Idling):Yes [X] No[] N/A []
	Seepages, ETC:Yes [X] No[] N/A []
Administrative	
	Locally:Yes [X] No[] N/A []
	Yes [X] No[] N/A []
Borrow Pit Source Selected Clos	a:Yes [X] No[] N/A []
Mandaled Radius Chieffa	
Waste Management	
	%:Yes [] No[X] N/A []
Wood/Tree's Removed Chipped	and Staged for Use
Along Tittabawasse Rive	er Flood Plain as Barrier
	Yes [X] No[] N/A []
Landscaping/Perennial Plants Br	ought to Site in
Recyclable Pots that Will	Be Collected and Reused
By Supplier:	Yes [X] No[] N/A []
Project Controls	
Recycled Newspaper Used as Bi	nder for Hydroseeding
•	Yes [] No[] N/A [X]
	Access Area:Yes [X] No[] N/A []
	il Removal:Yes [X] No[] N/A []
· · · · · · · · · · · · · · · · · · ·	Yes [X] No[] N/A []
	n Used:Yes [] No[] N/A [X]
	Yes [] No[] N/A [X]
*	nt For Reuse in Facility:Yes [] No[X] N/A []
	egitation Tool:Yes [X] No[] N/A []
	Include a Rain Sensor:Yes [X] No[] N/A []
Preprogramming Irrigation Syste	
	nes:Yes [X] No[] N/A []
	tions When PossibleYes [] No[X] N/A []
	gYes [] No[] N/A [X]
Clean Manholes, Curb Inlets, Dr	
	Construction Debris, Dirt,
	Yes [X] No[] N/A []





LEG EN D Remediated Area Property

Total Yard Area: 6379 sq. ft. Area Excavated:Total Area Not Excavated:6379 sq. ft.0 sq. ft.



Parcel 14-16-40-256 Midland Resolution Soil Replacement

Feet

40

Dow Midland Soils Remedy Worksheet

Site Address: 1120 State St. Parcel: 14-16-40-256 Date: 4-Nov-13

Date.	4-N0V-13	
Initial Soil Sam	ple	Soil Remedy Result:
282	Soil Result (ppt)	REMEDY
If < or = 220, No Re	emedy	
lf > 280, Remedy		
If >220 but < or = 2	80, Test Replicates	
Poplicato Soil	Samplas	Soil Poplicato
Replicate Soil	Initial soil result (ppt)	Soil Replicate Remedy Result:
		Remedy Result.
	Replicate result (ppt)	
	Replicate result (ppt)	
	Average (ppt)	
	Standard Deviation (ppt)	
2.92	t (0.95, 2)	
	95% UCL (Student's t Upper Confidence Limit)	
If > 250, Remedy		
If < or = 250, No Re	emedy	
If Soil Remedy	Required, Evaluate Indoor Dust:	
282	Initial soil result or 95% UCL if	Indoor Dust
202	replicates were required (ppt)	Remedy Result:
6379	Area of yard (ft ²) (area as sampled)	NO REMEDY
0	Area not remedied (ft ²)	
15	Surface Weighted Average (SWA) (ppt)	
0%	% Undisturbed Remaining Soil (URS)	
<u>5.29E-06</u>	Risk is acceptable if < or = 10^{-5}	

PROPERTY INFORMATION

Property Owner:	Property Address: 1120 State St.
Contract Personnel: • Kappen Tree Service – 4/22/13 & 4/23/13 • Servinski • Fisher • Pat's • M & M – 4/24/13 & 4/25/13	Contractor Equipment:
Field Person: Gary Waugh	Date: 4/25/13
DESCRIPTION OF SOILS REMOV	AL
Remediation Area (Sq Ft): 8825 Yards	In: 120 * See below Yards Out: 135 * See below
Description of Cut Depth:	
• All Remediation Area (Sq Ft) was excava	ted to an average depth of 12 inches.

Verification	Laser level was used to spot check cut	Date Verified/Initial: 4/25/13 SS/GW
Method:	depths	
Describe soils re	emaining: All soils removed.	

DESCRIPTION OF FIELD ACTIVITIES:

Kappen Tree Service: Was onsite 4/22 and 4/23 to remove/trim selected trees. Brush and small limbs were chipped. The logs and wood chips were hauled to the Allied staging area.

M & M: Was onsite 4/24 and 4/25 to grind the stumps from the tree removal.

Servinski/Fisher: Began the soil dig out starting in the rear of the property working forward. As the soil was hauled out topsoil was imported and rough graded. Concrete and debris was hauled to the Midland City Landfill for disposal and the excavated soil was hauled/relocated to the Salzburg Landfill MAS Stockpile Area.

*Yards Out:

15yrds – Concrete/Debris 120yrds - Soils

*Yards In: 120yrs – Topsoil

DESCRIPTION OF FIELD ACTIVITIES – CONTINUED:

Silt fence was installed at the curb line along State St. Catch basin filters were checked and the street sweeper cleaned State St.

Gary Waugh

4/25/13

Field Representative Signature

Date

Weather: Cloudy, some rain showers, 36 - 48, windy.

PROPERTY INFORMATION

Property Owner:	Property Address: 1120 State St.			
Contract Personnel:	Contractor Equipment:			
• Servinski	Servinski: Mini Excavators, Bobcats			
• Fisher	Fisher: Hand Tools			
• Pat's	Pats: Trucks			
Field Person: Gary Waugh	Date: 4/26/13			
DESCRIPTION OF SOILS REMOVAL				

DESCIMITIO	IT OF SOLD ILL		-		
Remediation Area (Yards In:	90 *	See below	Yards Out: 15 * See below	
Description of Cut Depth: See 4/25/13					
				(j)	
Verification	See 4/25/13			Date Verif	fied/Initial:
Method:					
Describe soils remaining: See 4/25/13					

DESCRIPTION OF FIELD ACTIVITIES:

Servinski/Fisher: Completed the dig out and imported the remaining topsoil. The excavated soil was hauled/relocated to the Salzburg Landfill MAS Stockpile Area. The topsoil was placed and rough graded

*Yards Out:

15yrds - Soil

*Yards In: 90yrs – Topsoil

Silt fence was installed at the curb line along State St. Catch basin filters were checked and the street sweeper cleaned State St.

Gary Waugh

.

4/26/13

Field Representative Signature

Weather: Partly cloudy, 40 – 60, light winds.

PROPERTY INFORMATION

Property Owner:			Property Address: 1120 State St.			
Contract Personnel: • Servinski • Fisher		Contractor Equipment: • Servinski: Hand Tools • Fisher: Hand Tools				
Field Person: Gary			Date: 4/29/13			
DESCRIPTIO	N OF SOILS RE				N	
Remediation Area (Yards In:	: 0		Yards Out: 0	
Description of Cut I	Depth: See 4/25/13					
Verification Method:	See 4/25/13			Date Veri	fied/Initial:	
Describe soils rema	ining: See 4/25/13					

DESCRIPTION OF FIELD ACTIVITIES:

Sugar Construction: Poured the concrete driveway and drive approach. The concrete was bull floated, hand edged and broom finished. The forms were removed once the concrete was given time to harden.

Servinski/Fisher: Placed sod and a site cleanup performed. All silt fence was removed along with the catch basin filters. 1120 State site is complete pending final walk through with the property owner.

Gary Waugh

4/27/13

Field Representative Signature

Weather: Sunny, 48 – 70, light winds.

Date

Green Remediation Assura	
Midland Resolutio	on
Property Information	naking Comvinglei
Property Owner: Contract Personnel: <u>Pat's Tru</u> Property Address: <u>1120 State St.</u>	ucking, Servinski
Field Person: Gary Waugh	Date: 4/25/2013
	Date. $4/25/2015$
Fuel Usage Low Sulfur Diesel Used:	Yes [X] No[] N/A[]
Equipment	
Tier 3 and Tier 4 Diesel Motors Manufact	ured
	Yes [X] No[] N/A []
Equipment Shut Off When Not In Use (No	
Equipment Inspected For Leaks, Seepages	
	s, ETC
Administrative	
Vegetation and Plants Supplied Locally:	
Local Subcontractors Used:	
Borrow Pit Source Selected Closer to Proj	
Mandated Radius Criteria:	Yes [X] No[] N/A []
Waste Management	
Waste Generated Recycled (0)%:	Yes [] No[X] N/A []
Wood/Tree's Removed Chipped and Stage	ed for Use
Along Tittabawasse River Flood F	Plain as Barrier
Or Dust Control:	Yes [X] No[] N/A []
Landscaping/Perennial Plants Brought to S	Site in
Recyclable Pots that Will Be Colle	ected and Reused
By Supplier:	Yes [X] No[] N/A []
Project Controls	
Recycled Newspaper Used as Binder for H	Hydroseeding
	Yes [] No[] N/A [X
Geosynthetics Used on Property Access A	
Tarps Used on Trucks During Soil Remov	
Tarps Used on Borrow Trucks:	
Active Dust Management System Used:	
Phosphate Free Fertilizers Used:	
Removed Soil Taken to Dow Plant For Re	euse in Facility:Yes [] No[X] N/A [
Use of Sod as the Preferred Revegitation 7	
Upgrading Irrigation Controls to Include a	
Preprogramming Irrigation System to Wat	ter Only at
	Yes [X] No[] N/A []
Reuse Existing Concrete Foundations Whe	en PossibleYes [] No[X] N/A []
Use Water Efficient Landscaping	
Clean Manholes, Curb Inlets, Drop Inlets,	
Gratings, and Frames of Construct	
and Trash	Yes [X] No[] N/A []





MIDLAND RESOLUTION

LEG END Remediated Area Property Total Yard Area: 5981 sq. ft.

Are a Excavated: 5981 sq. ft.

Total Area Not Excavated: 0 sq. ft. 15 30

0

Parcel 14-16-40-324 Midland Resolution Soil Replacement

Feet

60

Dow Midland Soils Remedy Worksheet

Site Address: 1301 State St. Parcel: 14-16-40-324 Date: 6-Nov-13

Date:	6-Nov-13	
Initial Soil Sam 293 If < or = 220, No Re If > 280, Remedy If > 220 but < or = 2	Soil Result (ppt)	Soil Remedy Result: REMEDY
Replicate Soil \$	Initial soil result (ppt) Replicate result (ppt) Replicate result (ppt) Average (ppt) Standard Deviation (ppt) t (0.95, 2) 95% UCL (Student's t Upper Confidence Limit)	Soil Replicate Remedy Result:
If Soil Remedy 293	Required, Evaluate Indoor Dust: Initial soil result or 95% UCL if replicates were required (ppt)	Indoor Dust Remedy Result:
5981 0	Area of yard (ft^2) (area as sampled) Area not remedied (ft^2)	NO REMEDY
15 0% <u>5.48E-06</u>	Surface Weighted Average (SWA) (ppt) % Undisturbed Remaining Soil (URS) <i>Risk is acceptable if < or = 10⁻⁵</i>	

PROPERTY INFORMATION

Property Owner: Edwin & Mary Beth Cool	ns Property Address: 1301 State St.
 Contract Personnel: Kappen Tree Service – 8/22/13 Servinski Fisher Pats 	 Contractor Equipment: Kappen: Boom Crane, Bucket Truck, Chipper, Log Truck Servinski: Excavator, Mini Excavator, Bobcats Fisher: Hand Tools Pats: Trucks
Field Person: Gary Waugh	Date: 9/9/13
DESCRIPTION OF SOILS REN	MOVAL
Remediation Area (Sq Ft): 5226	Yards In: 0 Yards Out: 225 * See Below

Description of Cut Depth: All soils within the remediation area square footage were removed to an average depth of 12 inches.

Verification	Cut depth was measured at the	Date Verified/Initial: 9/9/13 GW/SS	
Method:	excavation line.		
Describe soils remaining: No remaining soils			

DESCRIPTION OF FIELD ACTIVITIES:

Kappen Tree Service: Was on 8/22/13 and removed the select trees. Log and wood chips were hauled to the Allied staging area.

Servinski/Fisher: Began the soils dig out in the rear yard area using the mini excavator and a bobcat. The soils were moved by the bobcat to the front yard out lawn where they were loaded into dump trucks. Water was sprayed onto the soils during excavation and load out to control dust. Catch basin filters were in place and in good condition. At the end of the work day silt fence was installed at the curb line along State St. and the street was cleaned with the sweeper truck.

* Yards Out:

225yrds - Soil relocated to (Dow MIOPS Poseyville Landfill MAS Stockpile Area)

Gary Waugh

9/9/13

Field Representative Signature

Weather: Clear, 60 - 78, light winds

PROPERTY INFORMATION

Property Owner: Edwin & Mary Beth Coons	Property Address: 1301 State St.
Contract Personnel: • Servinski • Fisher • Pats • Reliable Plumbing	 Contractor Equipment: Servinski: Excavator, Mini Excavator, Bobcats Fisher: Hand Tools Pats: Trucks Reliable: Hand Tools
Field Person: Gary Waugh	Date: 9/10/13
DESCRIPTION OF SOILS REMOVA	

 Remediation Area (Sq Ft): 5226
 Yards In: 120 * See Below
 Yards Out: 49 * See Below

 Description of Cut Depth:
 All soils within the remediation area square footage were removed to an average depth of 12 inches.
 Verification

 Verification
 Cut depth was measured at the excavation line.
 Date Verified/Initial: 9/10/13 GW/SS

 Describe soils remaining: No remaining soils
 Verification
 Verified/Initial: 9/10/13 GW/SS

DESCRIPTION OF FIELD ACTIVITIES:

Reliable Plumbing: Installed the backflow preventer and the necessary plumbing to accommodate the irrigation system.

Servinski/Fisher: The crew completed the soils dig out and began importing, placing and grading topsoil. Catch basin filters were in place and in good condition. At the end of the work day silt fence was installed at the curb line along State St. and the street was cleaned with the sweeper truck.

* Yards Out:

49yrds - Soil relocated to (Dow MIOPS Poseyville Landfill MAS Stockpile Area)

* Yards In: 120yrds - Topsoil

Gary Waugh

9/10/13

Field Representative Signature

Weather: Clear, 75 - 95, breezy

PROPERTY INFORMATION

Property Owner: E	dwin & Mary Beth Coo	ns	Property	Address: 12	301 State St.
Contract Personnel:			Contractor Equipment:		nt:
Servinski			• S	ervinski: B	obcats
• Fisher			• F	isher: Hand	Tools
Pats			Pats: Trucks		
A 66613					
		-			
Field Person: Gary	Waugh		Date: 9/1	1/13	
1	N OF SOILS RE	MOVA			
			: 180 * Se	e Relow	Yards Out: 0
Remediation Area (and and a second se	1 arus m.	. 100 . 30	e Delow	
Description of Cut	Depth:				
		6		1.4	
All soils within the	remediation area square	e footage v	vere remov	ed to an av	erage depth of 12 inches.
Verification	Verification Cut depth was measured at the			Date Veri	fied/Initial: 9/10/13 GW/SS
Method:	excavation line.				

Describe soils remaining: No remaining soils

DESCRIPTION OF FIELD ACTIVITIES:

Servinski/Fisher: The crew completed importing, placing and grading topsoil. Catch basin filters were in place and in good condition. At the end of the work day silt fence was reinstalled at the curb line along State St. and the street was cleaned with the sweeper truck.

* Yards In: 180yrds - Topsoil

Gary Waugh

9/11/13

Date

Field Representative Signature

Weather: Clear, 70 - 85, breezy

PROPERTY INFORMATION

Property Owner: Edwin & Mary Beth Coord	ns Property Address: 1301 State St.
Contract Personnel:	Contractor Equipment:
Servinski	 Servinski: Bobcats
• Fisher	• Fisher: Hand Tools
Kokaly	Kokaly: Hand Tools
Sugar Construction	Sugar: Hand Tools
Field Person: Gary Waugh	Date: 9/12/13
DESCRIPTION OF SOILS RE	MOVAL
Remediation Area (Sq Ft): 5226	Yards In: 23 * See Below Yards Out: 0

Description of Cut Depth: All soils within the remediation area square footage were removed to an average depth of 12 inches.

Verification	Cut depth was measured at the	Date Verified/Initial: 9/10/13 GW/SS		
Method:	excavation line.			
Describe soils remaining: No remaining soils				

DESCRIPTION OF FIELD ACTIVITIES:

Kokaly: Installed the irrigation system piping, low voltage wiring, valves and sprinkler heads. The crew also performed a system function check. Final adjustments will be made after the sod is placed and the system is turned on.

Sugar Construction: Formed and poured a section of city sidewalk 4ft x 27ft.

Servinski/Fisher: The crew final prepped and hand raked the topsoil. Landscape beds were laid out and the edging was installed. Shrubs and flowers were planted and drainage stone and hardwood mulch were placed in the appropriate bed. Catch basin filters were in place and in good condition. At the end of the work day silt fence was reinstalled at the curb line along State St. and the street was cleaned with the sweeper truck.

 Yards In: 16yrds – Drainage Stone 7yrds – Hardwood Mulch

Gary Waugh

9/12/13

Field Representative Signature

Weather: Clear, 65 - 75, light winds

PROPERTY INFORMATION

Property Owner: Edwin & Mary Beth Coons	Property Address: 1301 State St.	
Contract Personnel:	Contractor Equipment:	
• Servinski	Servinski: Bobcat	
• Fisher	Fisher: Hand Tools	
Field Person: Gary Waugh	Date: 9/12/13	
DESCRIPTION OF SOILS REMOVA	AL	
Remediation Area (Sq Ft): 5226 Yards I	n: 0 Yards Out: 0	
Description of Cut Depth:		

All soils within the remediation area square footage were removed to an average depth of 12 inches.

Verification	Cut depth was measured at the	Date Verified/Initial: 9/10/13 GW/SS		
Method:	excavation line.			
Describe soils remaining: No remaining soils				

DESCRIPTION OF FIELD ACTIVITIES:

Servinski/Fisher: Topsoil was hand raked and sod was placed and trimmed. The irrigation system was turned on, adjustments were made to the sprinkler heads and the clock was programmed. Catch basin filters and the silt fence were removed. A final site cleanup was performed. 1301 State St. is complete pending a walk through with the property owner.

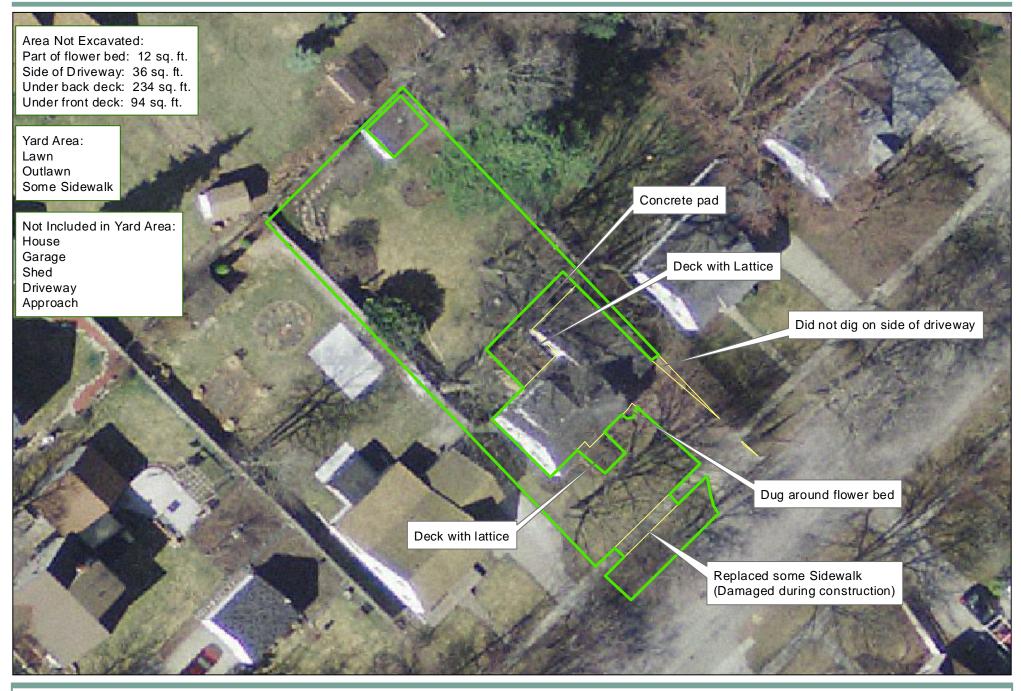
Gary Waugh

9/13/13

Field Representative Signature

Weather: Clear, 52 - 62, breezy

Green Remediation Assuran Midland Resolution	ce Form
Property Information	Personnel: Pat's Trucking, Servinski
	reisonner. <u>Pat s Trucking, Servinski</u>
Property Address: <u>1301 State St.</u>	Date: 0/10/2012
Field Person: <u>Gary Waugh</u>	Date: <u>9/10/2013</u>
Fuel Usage Low Sulfur Diesel Used:	Yes [X] No[] N/A[]
Low Sundi Dieser Osed	
Equipment	
Tier 3 and Tier 4 Diesel Motors Manufacture	
After 2006:	Yes [X] No[] N/A []
Equipment Shut Off When Not In Use (No I	dling):Yes [X] No[] N/A []
Equipment Inspected For Leaks, Seepages, I	ETC:Yes [X] No[] N/A []
Administrative	37 - F373 37 F3 37/3 F3
Vegetation and Plants Supplied Locally:	Yes [X] No[] N/A []
Local Subcontractors Used:	
Borrow Pit Source Selected Closer to Projec	
Mandated Radius Criteria:	Yes [X] No[] N/A []
Waste Management	
Waste Generated Recycled (0)%:	Yes [] No[X] N/A []
Wood/Tree's Removed Chipped and Staged	
Along Tittabawasse River Flood Pla	
	Yes [X] No[] N/A []
Landscaping/Perennial Plants Brought to Sit	
Recyclable Pots that Will Be Collect	
By Supplier:	
Project Controls	
Recycled Newspaper Used as Binder for Hy	droseeding
	Yes [] No[] N/A [X]
Geosynthetics Used on Property Access Are	a:Yes [X] No[] N/A []
Tarps Used on Trucks During Soil Removal	
Tarps Used on Borrow Trucks:	
Active Dust Management System Used:	
Phosphate Free Fertilizers Used:	
Removed Soil Taken to Dow Plant For Reus	se in Facility: Yes [] No[X] N/A []
Use of Sod as the Preferred Revegitation To	
Upgrading Irrigation Controls to Include a F	
Preprogramming Irrigation System to Water	
	Yes [X] No[] N/A []
Pause Evisting Congrets Ecundations When	$\frac{1}{2} \sum_{i=1}^{n} \frac{1}{2} \sum_{i=1}^{n} \frac{1}$
Reuse Existing Concrete Foundations When	$\frac{110551010105[]}{V_{26}[]N_0[]N/A[]}$
Use Water Efficient Landscaping	would Drains
Clean Manholes, Curb Inlets, Drop Inlets, T	n Dobria, Dist
Gratings, and Frames of Constructio	
and Trash	Its[A] NO[] N/A[]





MIDLAND RESOLUTION

LEGEND Total Yard Area: 7460 sq. ft. C Remediated Area Property

Total Area Not Excavated: Area Excavated: 376 sq.ft. 7084 sq. ft.

30 0 15

Parcel 14-16-30-482 Fe et Midland Resolution Soil Replacement

60

Dow Midland Soils Remedy Worksheet

Site Address: 1413 State St. Parcel: 14-16-30-482 Date: 4-Nov-13

Initial Soil San	nple	Soil Remedy Result:
252	Soil Result (ppt)	TEST REPLICATES
If < or = 220, No R		
If > 280, Remedy		
If >220 but < or = 2	280, Test Replicates	
Replicate Soil	Samples	Soil Replicate
244	Initial soil result (ppt)	Remedy Result:
260	Replicate result (ppt)	REMEDY
259	Replicate result (ppt)	
254	Average (ppt)	
9.0	Standard Deviation (ppt)	
2.92	t (0.95, 2)	
<u>269</u>	95% UCL (Student's t Upper Confidence Limit)	
lf > 250, Remedy		
If < or = 250, No R	Remedy	
If Soil Remedy	Required, Evaluate Indoor Dust:	
269	Initial soil result or 95% UCL if	Indoor Dust
203	replicates were required (ppt)	Remedy Result:
7460	Area of yard (ft ²) (area as sampled)	NO REMEDY
376	Area not remedied (ft ²)	
28	Surface Weighted Average (SWA) (ppt)	
5%	% Undisturbed Remaining Soil (URS)	
<u>5.32E-06</u>	Risk is acceptable if $< \text{ or} = 10^{-5}$	

PROPERTY INFORMATION

Property Owner: Joan Folja	nn	Property Address: 1	413 State St.
Contract Personnel: • Servinski • Fisher • Pats • Reliable Plumbing		Contractor Equipmen Servinski: E Bobcats Fisher: Hanc Pats: Trucks Reliable: Ha	xcavator, Mini Excavator, d Tools
Field Person: Gary Waugh		Date: 9/17/13	
DESCRIPTION OF	SOILS REMOVA	L	
Remediation Area (Sq Ft):	5632 Yards Ir	n: 0	Yards Out: 135 * See Below
Description of Cut Depth: All soils within the remedia	tion area square footage	were removed to an av	verage depth of 12 inches.
Verification A laser Method:	level was used to check	cut depth Date Veri	fied/Initial: 9/17/13 GW/SS
Describe soils remaining: N	No remaining soils.		

DESCRIPTION OF FIELD ACTIVITIES:

Reliable Plumbing: Installed the backflow preventer and necessary plumbing to accommodate the irrigation system.

Servinski/Fisher: Access to the rear yard area was obtained through the neighboring property to the south. Several privacy fence panels and posts had to be removed to gain access to the rear property. The fence will be reinstalled after the work is complete. The crew began the soils dig out starting in the rear yard area. Bobcats were used to excavate and move the soil to the front out lawn area where it was loaded into trucks. Catch basin filters and silt fence were checked and in good condition.

* Yards Out:

15yrds – Concrete and debris were hauled to (Midland City Landfill) for disposal 120yrds – Soil relocated to (Dow MIOPS Poseyville Landfill MAS Stockpile Area)

Gary Waugh

9/17/13

Field Representative Signature

Weather: Clear, 48 – 68, light winds

Date

PROPERTY INFORMATION

Property Owner: Jo	an Foljann		Property .	Address: 14	413 State St.
Contract Personnel:		Contractor Equipment:			
• Servinski		• Servinski: Excavator, Mini Excavator,		xcavator, Mini Excavator,	
• Fisher		Bobcats			
Pats			• Fisher: Hand Tools		
			• Pats: Trucks		
Field Person: Gary	Waugh		Date: 9/1	8/13	
DESCRIPTIO	N OF SOILS RE	MOVA	L		
Remediation Area ((Sq Ft): 5632	Yards In:	165 * Se	e Below	Yards Out: 135 * See Below
Description of Cut	Depth:				
All soils within the	remediation area square	e footage v	vere remov	ved to an ave	erage depth of 12 inches.
Verification	A laser level was used	l to check c	cut depth	Date Veri	fied/Initial: 9/17/13 GW/SS
Method:			_		
Describe soils rema	ining: No remaining so	oils.			
	-				

DESCRIPTION OF FIELD ACTIVITIES:

Servinski/Fisher: Completed the soils dig out in the rear yard area. Topsoil was imported, placed and graded. The crew also constructed a raised landscape bed along the rear property line. This bed replaces the existing bed that was removed during the soils dig out. Shrubs, trees and flowers were also planted in the bed. Catch basin filters and silt fence were checked and in good condition.

* Yards Out

135yrds – Soil relocated to (Dow MIOPS Poseyville Landfill MAS Stockpile Area)

* Yards In: 165yrds - Topsoil

Gary Waugh

9/18/13

Field Representative Signature

Weather: Clear, 50 - 72, light winds

PROPERTY INFORMATION

Property Owner: Joan Foljann	Property Address: 1413 State St.
Contract Personnel:	Contractor Equipment:
 Servinski 	• Servinski: Excavator, Mini Excavator,
• Fisher	Bobcats
• Pats	• Fisher: Hand Tools
• Kokaly	Pats: Trucks
Sugar Construction	Kokaly: Hand Tools
	Sugar: Hand Tools
Field Person: Gary Waugh	Date: 9/19/13
DESCRIPTION OF SOILS RE	MOVAL
Remediation Area (Sq Ft): 5632	Yards In: 15 * See Below Yards Out: 45 * See Below
Description of Cut Depth:	
All soils within the remediation area square	e footage were removed to an average depth of 12 inches.

Verification	A laser level was used to check cut depth	Date Verified/Initial: 9/17/13 GW/SS		
Method:				
Describe soils remaining: No remaining soils.				

DESCRIPTION OF FIELD ACTIVITIES:

Kokaly: Installed the irrigation system piping, low voltage wiring and valves in the rear yard area.

Sugar Construction: Began working on the staked timber flower bed next to the rear patio. The crew also formed and poured the concrete for the new rear patio 13ft x 18ft.

Servinski/Fisher: The crew completed the soils dig out and imported some topsoil in the front yard area. After Kokaly installed the irrigation in the rear yard, topsoil was prepped and hand raked. Sod was placed and trimmed in the rear yard area. Catch basin filters and silt fence were checked and in good condition.

* Yards Out

135yrds – Soil relocated to (Dow MIOPS Poseyville Landfill MAS Stockpile Area)

* Yards In: 15yrds – Hardwood Mulch

Gary Waugh

9/19/13

Field Representative Signature

Weather: Clear, 50 - 72, light winds

PROPERTY INFORMATION

Property Owner: Joan Foljann		Property Address:	1413 State St.				
Contract Personnel:		Contractor Equipme	ent:				
 Servinski 		 Servinski: I 	Bobcats				
 Fisher Pats Kokaly Sugar Construction 		 Fisher: Hand Tools Pats: Trucks Kokaly: Hand Tools Sugar: Hand Tools 					
				Field Person: Gary Waugh		Date: 9/19/13	
DESCRIPTION OF SOILS F	EMOVA	L					
Remediation Area (Sq Ft): 5632	Yards In:	94 * See Below	Yards Out: 0				
Description of Cut Depth:							
All soils within the remediation area squ	ıare footage v	vere removed to an a	verage depth of 12 inches.				
Verification A laser level was u	sed to check a	cut depth Date Ver	rified/Initial: 9/17/13 GW/SS				

Verification	A laser level was used to check cut depth	Date Verified/Initial: 9/17/13 GW/SS		
Method:				
Describe soils rema	Describe soils remaining: No remaining soils.			

DESCRIPTION OF FIELD ACTIVITIES:

Kokaly: Installed the irrigation system piping, low voltage wiring and valves in the front yard area.

Sugar Construction: Completed the timber flower bed and formed the new section of city sidewalk 4ft x 15ft.

Servinski/Fisher: The crew completed importing topsoil for the front yard area. After Kokaly installed the irrigation system in the front yard the topsoil was prepped and hand raked. Sod was placed and trimmed. The irrigation system was turned on and adjusted as necessary. A final site cleanup was performed. 1413 State is complete pending a walk through with the property owner.

* Yards In:
8yrds – Hardwood Mulch
60yrds – Topsoil
9yrds – Sand
17yrds – Drainage Stone

Gary Waugh

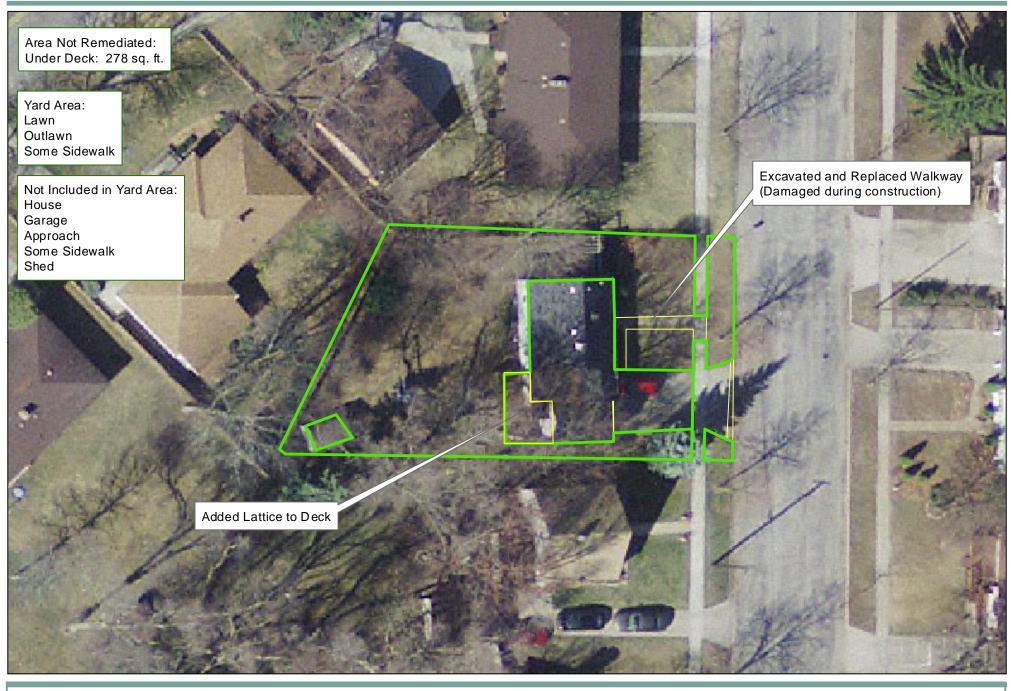
Field Representative Signature

9/20/13

Date

Weather: Cloudy, 68-75, light winds

	ntion Assurance Form and Resolution
Property Information	
Property Owner: Joan Foljann	Contract Personnel: Pat's Trucking, Servinski
Property Address: <u>1413 State St.</u>	Contract i ersonner. <u>Tat s frucking, bervinski</u>
Field Person: Gary Waugh	Date: 9/18/2013
	Date. <u>9/10/2015</u>
Fuel Usage Low Sulfur Diesel Used:	Yes [X] No[] N/A[]
Equipment	
Tier 3 and Tier 4 Diesel Motor	rs Manufactured
	Yes [X] No[] N/A []
	t In Use (No Idling):Yes [X] No[] N/A []
	s, Seepages, ETC:Yes [X] No[] N/A []
Administrative	
	d Locally:Yes [X] No[] N/A []
	Yes [X] No[] N/A []
Borrow Pit Source Selected Cl	loser to Project but Within
	eria:Yes [X] No[] N/A []
Waste Management	
))%:Yes [] No[X] N/A []
Wood/Tree's Removed Chipp	,
	iver Flood Plain as Barrier
	Yes [X] No[] N/A []
Landscaping/Perennial Plants	
	Vill Be Collected and Reused
By Supplici	
Project Controls	
Recycled Newspaper Used as	
	Yes [] No[] N/A [X]
Geosynthetics Used on Proper	ty Access Area:Yes [X] No[] N/A []
	Soil Removal:Yes [X] No[] N/A []
Tarps Used on Borrow Trucks	:Yes [X] No[] N/A []
Active Dust Management Syst	tem Used:Yes [] No[] N/A [X]
Phosphate Free Fertilizers Use	ed:Yes [] No[] N/A [X]
Removed Soil Taken to Dow I	Plant For Reuse in Facility:Yes [] No[X] N/A []
	evegitation Tool:Yes [X] No[] N/A []
	to Include a Rain Sensor:Yes [X] No[] N/A []
Preprogramming Irrigation Sy	
	imes:Yes [X] No[] N/A []
	dations When PossibleYes [] No[X] N/A []
	ingYes [] No[] N/A [X]
Clean Manholes, Curb Inlets, J	• • • • • • • •
	of Construction Debris, Dirt,
•	Yes [X] No[] N/A []





MIDLAND RESOLUTION

LEGEND Total Yard Area: 7229 sq. ft. C Remediated Area Property

Are a Excavated: 6951 sq. ft.

Total Area Not Excavated: 278 sq. ft.



0

Parcel 14-16-30-492 Feet Midland Resolution Soil Replacement

60

Dow Midland Soils Remedy Worksheet

Site Address: 1609 State St. Parcel: 14-16-30-492 Date: 6-Nov-13

Date:	6-Nov-13	
Initial Soil Sam 306 If < or = 220, No Re If > 280, Remedy If >220 but < or = 2	Soil Result (ppt)	Soil Remedy Result: REMEDY
Replicate Soil \$ 2.92 If > 250, Remedy If < 0r = 250, No Reference	Initial soil result (ppt) Replicate result (ppt) Replicate result (ppt) Average (ppt) Standard Deviation (ppt) t (0.95, 2) 95% UCL (Student's t Upper Confidence Limit)	Soil Replicate Remedy Result:
If Soil Remedy	Required, Evaluate Indoor Dust:	
306	Initial soil result or 95% UCL if replicates were required (ppt)	Indoor Dust Remedy Result:
7229	Area of yard (ft ²) (area as sampled)	NO REMEDY
278	Area not remedied (ft ²)	
26	Surface Weighted Average (SWA) (ppt)	
4% 5.94E-06	% Undisturbed Remaining Soil (URS) Risk is acceptable if < or = 10^{-5}	

PROPERTY INFORMATION

Property Address: 1609 State St.
 Contractor Equipment: Kappen: Bucket Truck, Chipper, Log Truck Servinski: Excavator, Mini Excavator, Bobcat Fisher: Hand Tools Pats: Trucks Sugar: Hand Tools
Date: 9/3/13
AL

Remediation Area (Sq Ft): 5339	Yards In: 0	Yards Out: 245 * See Below
Description of Cut Depth:		

All soils within the remediation area square footage were removed to an average depth of 12 inches.

Verification	Measurement were taken at the	Date Verified/Initial: 9/3/13 GW
Method:	excavation cut line	

DESCRIPTION OF FIELD ACTIVITIES:

Kappen Tree Service: Was on site 8/27/13 and removed the select trees. The wood chips and logs were hauled to the Allied staging area.

Sugar Construction: The crew removed the existing wire fence along the south property line and the existing privacy fence between the house and north property line. The crew also disassembled and moved an existing wood play set. Note the play set will not be reassembled – owner is giving it to a neighbor.

Servinski\Fisher: The crew began the soils dig out using bobcats to remove and move the soils to the front yard area along State St. where the trucks were loaded. Water was applied to the soils during excavation and load out to control dust. Filters were installed in catch basins within 100ft of the property and silt fence was installed at the curb line along State St. The street sweeper cleaned along State St. at the end of the day.

* Yards Out:

15yrds – Concrete and debris were hauled to (Midland City Landfill) for disposal 230yrds – Soil relocated to (MIOPS Poseyville Landfill MAS Stockpile Area)

Gary Waugh

9/3/13

Field Representative Signature

Weather: Partly cloudy, 58 – 78, light winds

PROPERTY INFORMATION

Property Address: 1609 State St.
Contractor Equipment:
 Servinski: Excavator, Mini Excavator, Bobcat Fisher: Hand Tools Pats: Trucks Sugar: Hand Tools Reliable: Hand Tools
Date: 9/4/13

Remediation Area (Sq Ft): 5339Yards In: 244 * See BelowYards Out: 30 * See BelowDescription of Cut Depth:

All soils within the remediation area square footage were removed to an average depth of 12 inches.

Verification	Measurement were taken at the	Date Verified/Initial: 9/3/13 GW
Method:	excavation cut line	

DESCRIPTION OF FIELD ACTIVITIES:

Reliable Plumbing: Checked the operation of the existing backflow preventer. No repairs were needed. Note: 1609 State St. had an existing irrigation system.

Sugar Construction: The crew set new wood fence posts for the proposed privacy fence along the south property line.

Servinski\Fisher: The crew completed the soils dig out. Topsoil was imported placed and graded. The crew also assisted the Sugar Construction crew as needed throughout the day. Catch basin filters and the silt fence was in place and in good condition. The street sweeper cleaned along State St. at the end of the day.

* Yards Out:

15yrds – Concrete and debris were hauled to (Midland City Landfill) for disposal 15yrds – Soil relocated to (MIOPS Poseyville Landfill MAS Stockpile Area)

* Yards In: 244yrs - Topsoil

Gary Waugh

9/4/13

Field Representative Signature

PROPERTY INFORMATION

Property Owner: Brandon & Alisha Toy	zan Property Address: 1609 State St.
Contract Personnel:	Contractor Equipment:
ServinskiFisherSugar ConstructionKokaly	 Servinski: Excavator, Mini Excavator, Bobcat Fisher: Hand Tools Sugar: Hand Tools Kokaly: Hand Tools
Field Person: Gary Waugh	Date: 9/5/13
DESCRIPTION OF SOILS R	EMOVAL
Remediation Area (Sq Ft): 5339	Yards In: 22 * See Below Yards Out: 0

Description of Cut Depth:

All soils within the remediation area square footage were removed to an average depth of 12 inches.

Verification	Measurement were taken at the	Date Verified/Initial: 9/3/13 GW
Method:	excavation cut line	

DESCRIPTION OF FIELD ACTIVITIES:

Kokaly: On site and installed the irrigation system piping, low voltage wiring, valves and sprinkler heads. The crew also performed a function check of the system.

Sugar Construction: Formed and poured a section of city side walk 4ft x 20ft and the new front sidewalk 4ft x 20ft. The crew also installed the new privacy fence panels along the south property line.

Servinski\Fisher: The crew final prepped and hand raked the topsoil. Landscape beds were defined and edging was installed. The trees, shrubs and flowers were planted and drainage stone and hardwood mulch were placed in the appropriate bed. Sod was placed and trimmed. The irrigation system was turned on and adjustments were made to the system. A final site cleanup was performed and the catch basin filters and silt fencing was removed. 1609 State is complete pending a walk through with the property owner.

* Yards In:

11 yrds – Drainage Stone 10 yrds – Hardwood Mulch

Gary Waugh

9/5/13

Field Representative Signature

Weather: Clear, 53 - 71, light winds

Date

Green Remediation A Midland Res	I
Property Information	Contract Personnel: Pat's Trucking, Servinski
Property Owner: <u>Brandon Toyzan</u>	Contract Personner: Pat's Trucking, Servinski
Property Address: <u>1609 State St.</u>	Dete: $0/4/2012$
Field Person: Gary Waugh	Date: <u>9/4/2013</u>
Fuel Usage Low Sulfur Diesel Used:	Yes [X] No[] N/A[]
Equipment	
Tier 3 and Tier 4 Diesel Motors Mar	nufactured
	Yes [X] No[] N/A []
Fauinment Shut Off When Not In U	se (No Idling):Yes [X] No[] N/A []
Equipment Inspected For Leaks See	pages, ETC:Yes [X] No[] N/A []
Equipment hispected 1 of Leaks, see	puBeo, ET Commune [1] rec[] rec[]
Administrative	
Vegetation and Plants Supplied Loca	ally:Yes [X] No[] N/A []
Local Subcontractors Used:	Yes [X] No[] N/A []
Borrow Pit Source Selected Closer to	o Project but Within
Mandated Radius Criteria:	Yes [X] No[] N/A []
XX7	
Waste Management $W_{\text{output}} = C_{\text{output}} + \frac{1}{2} 1$	Yes [] No[X] N/A []
Wood/Tree's Removed Chipped and	
Along Tittabawasse River F	
Landscaping/Perennial Plants Broug	
Recyclable Pots that Will Be	
By Suppher:	Yes [X] No[] N/A []
Project Controls	
Recycled Newspaper Used as Binde	r for Hydroseeding
	Yes [] No[] N/A [X]
Geosynthetics Used on Property Ac	cess Area:Yes [X] No[] N/A []
Tarps Used on Trucks During Soil F	Removal:Yes [X] No[] N/A []
Tarps Used on Borrow Trucks:	Yes [X] No[] N/A []
Active Dust Management System U	sed:Yes [] No[] N/A [X]
Phosphate Free Fertilizers Used:	
Removed Soil Taken to Dow Plant 1	For Reuse in Facility:Yes [] No[X] N/A []
	ation Tool:Yes [X] No[] N/A []
Upgrading Irrigation Controls to Inc	clude a Rain Sensor:Yes [X] No[] N/A []
Preprogramming Irrigation System 1	
Prescribed Rates and Times:	Yes [X] No[] N/A []
Reuse Existing Concrete Foundation	ns When PossibleYes [] No[X] N/A []
Use Water Efficient Landscaping	
Clean Manholes, Curb Inlets, Drop	
Gratings, and Frames of Cor	
	Yes [X] No[] N/A []
and manufacture and a second s	