



MIDLAND RESOLUTION

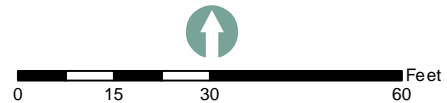
LEGEND

- █ Remediated Area
- █ Property

Total Yard Area:
3244 sq. ft.

Area Excavated:
2844 sq. ft.

Total Area Not Excavated:
400 sq. ft.



Parcel 14-16-50-246
Midland Resolution Soil Replacement

Dow Midland Soils Remedy Worksheet

Site Address: 309 E. Grove St.

Parcel: 14-16-50-246

Date: 4-Nov-13

Initial Soil Sample		Soil Remedy Result:
316	Soil Result (ppt)	REMEDY
<i>If < or = 220, No Remedy</i> <i>If > 280, Remedy</i> <i>If >220 but < or = 280, Test Replicates</i>		

Replicate Soil Samples		Soil Replicate Remedy Result:
--	Initial soil result (ppt)	--
--	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)	
<i>If > 250, Remedy</i> <i>If < or = 250, No Remedy</i>		

If Soil Remedy Required, Evaluate Indoor Dust:		Indoor Dust Remedy Result:
316	Initial soil result or 95% UCL if replicates were required (ppt)	NO REMEDY
3244	Area of yard (ft ²) (area as sampled)	
400	Area not remedied (ft ²)	
52	Surface Weighted Average (SWA) (ppt)	
12%	% Undisturbed Remaining Soil (URS)	
6.66E-06	<i>Risk is acceptable if < or = 10⁻⁵</i>	

CONSTRUCTION QUALITY ASSURANCE FORM

MIDLAND RESOLUTION CENTER

PROPERTY INFORMATION

Property Owner: Mike & Wendy Ullery	Property Address: 309 E. Grove St.
Contract Personnel: <ul style="list-style-type: none"> • Servinski • Fisher • M & M 	Contractor Equipment: <ul style="list-style-type: none"> • Servinski: Mini Excavator, Bobcat • Fisher: Hand Tools • M & M: Stump Grinder
Field Person: Gary Waugh	Date: 4/29/13

DESCRIPTION OF SOILS REMOVAL

Remediation Area (Sq Ft): 2278	Yards In: 0	Yards Out: 25 * See Below
Description of Cut Depth: All soils were excavated to an average depth of 12", except where existing structures were left in place, concrete driveway, small pond, hot tub, rear deck, no soils removed from these areas.		
Verification Method:	Tape measure, using structures as a reference.	Date Verified/Initial: 4/29/13 GW
Describe soils remaining: See above.		

DESCRIPTION OF FIELD ACTIVITIES:

M & M: Ground an existing stump in front yard.

Servinski/Fisher: Excavated soils from around the existing shed and along the west side of the driveway. Due to limited access to these areas they were excavated by hand digging and using a wheel barrow to move the soils to the front yard where they could be loaded out. The excavated soils were hauled and relocated to the Salzburg Landfill MAS Stockpile Area.

* Yards Out:
25yds - Soil

Gary Waugh

4/29/13

Field Representative Signature

Date

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

CONSTRUCTION QUALITY ASSURANCE FORM

MIDLAND RESOLUTION CENTER

PROPERTY INFORMATION

Property Owner: Mike & Wendy Ullery	Property Address: 309 E. Grove St.
Contract Personnel: <ul style="list-style-type: none"> • Servinski • Fisher • M & M • Reliable Plumbing 	Contractor Equipment: <ul style="list-style-type: none"> • Servinski: Mini Excavator, Bobcat • Fisher: Hand Tools • M & M: Stump Grinder • Reliable: Hand Tools
Field Person: Gary Waugh	Date: 4/30/13

DESCRIPTION OF SOILS REMOVAL

Remediation Area (Sq Ft): 2278	Yards In: 60 * See Below	Yards Out: 105* See Below
Description of Cut Depth: All soils were excavated to an average depth of 12", except where existing structures were left in place, concrete driveway, small pond, hot tub, rear deck, no soils removed from these areas.		
Verification Method:	Tape measure, using structures as a reference.	Date Verified/Initial: 4/30/13 GW
Describe soils remaining: See above.		

DESCRIPTION OF FIELD ACTIVITIES:

M & M: Ground an existing stump in front yard.

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

Servinski/Fisher: Due to limited access to the back yard area the contractor continued with hand excavating soils and using a wheel barrow to move the soil to the front yard for load out. Once the soils were removed from the back yard area the crew continued in the front yard and out lawn excavating soils with the mini excavator and bobcat. The excavated soils were hauled and relocated to the Salzburg Landfill MAS Stockpile Area. The crew also began importing topsoil onto the site placing and grading it.

* Yards Out:

105yds - Soil

*Yard In:

60yds - Topsoil

Silt fence was installed at the curb line along Grove St. and barricaded the equipment that was left onsite.

**CONSTRUCTION QUALITY ASSURANCE FORM
MIDLAND RESOLUTION CENTER**

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.

CONSTRUCTION QUALITY ASSURANCE FORM

MIDLAND RESOLUTION CENTER

PROPERTY INFORMATION

Property Owner: Mike & Wendy Ullery	Property Address: 309 E. Grove St.
Contract Personnel: <ul style="list-style-type: none"> • Servinski • Fisher • Kokaly • Sugar Construction 	Contractor Equipment: <ul style="list-style-type: none"> • Servinski: Mini Excavator, Bobcat • Fisher: Hand Tools • Kokaly: Hand Tools • Sugar: Hand Tools
Field Person: Gary Waugh	Date: 5/1/13

DESCRIPTION OF SOILS REMOVAL

Remediation Area (Sq Ft): 2278	Yards In: * See Below	Yards Out: 0
Description of Cut Depth: See 4/30/13		
Verification Method:	See 4/30/13	Date Verified/Initial: 4/30/13 GW
Describe soils remaining: See 4/30/13		

DESCRIPTION OF FIELD ACTIVITIES:

Sugar Construction: The crew formed and poured the concrete for the city sidewalk that needed to be replaced. The existing city sidewalk section was in poor condition, cracks and heaving were caused by tree roots in the out lawn area. During the soil excavation the sidewalk section was found to be very loose and unstable. A 24ft length was replaced.

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

Servinski/Fisher: Due to limited access to the back yard topsoil was moved and placed using wheel barrows and hand grading. Landscape edging was installed, shrubs and bushes were planted, drainage stone was placed and hard wood mulch was placed.

*Yard In:

- 15yds – Topsoil
- 8yds – Drainage Stone
- 3yds – Stone Mix
- 4yds – Hardwood Mulch

Silt fence was installed at the curb line along Grove St. and barricaded the equipment that was left onsite.

CONSTRUCTION QUALITY ASSURANCE FORM

MIDLAND RESOLUTION CENTER

PROPERTY INFORMATION

Property Owner: Mike & Wendy Ullery	Property Address: 309 E. Grove St.
Contract Personnel: <ul style="list-style-type: none"> • Servinski • Fisher • Kokaly • Sugar Construction 	Contractor Equipment: <ul style="list-style-type: none"> • Servinski: Mini Excavator, Bobcat • Fisher: Hand Tools • Kokaly: Hand Tools • Sugar: Hand Tools
Field Person: Gary Waugh	Date: 5/1/13

DESCRIPTION OF SOILS REMOVAL

Remediation Area (Sq Ft): 2278	Yards In: * See Below	Yards Out: 0
Description of Cut Depth: See 4/30/13		
Verification Method:	See 4/30/13	Date Verified/Initial: 4/30/13 GW
Describe soils remaining: See 4/30/13		

DESCRIPTION OF FIELD ACTIVITIES:

Sugar Construction: The crew formed and poured the concrete for the city sidewalk that needed to be replaced. The existing city sidewalk section was in poor condition, cracks and heaving were caused by tree roots in the out lawn area. During the soil excavation the sidewalk section was found to be very loose and unstable. A 24ft length was replaced.

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

Servinski/Fisher: Due to limited access to the back yard topsoil was moved and placed using wheel barrows and hand grading. Landscape edging was installed, shrubs and bushes were planted, drainage stone was placed and hard wood mulch was placed.

*Yard In:

- 15yds – Topsoil
- 8yds – Drainage Stone
- 3yds – Stone Mix
- 4yds – Hardwood Mulch

Silt fence was installed at the curb line along Grove St. and barricaded the equipment that was left onsite.

**CONSTRUCTION QUALITY ASSURANCE FORM
MIDLAND RESOLUTION CENTER**

DESCRIPTION OF FIELD ACTIVITIES – CONTINUED:

Gary Waugh

5/1/13

Field Representative Signature

Date

Weather: Sunny, 58 – 82, light winds.

CONSTRUCTION QUALITY ASSURANCE FORM

MIDLAND RESOLUTION CENTER

PROPERTY INFORMATION

Property Owner: Mike & Wendy Ullery	Property Address: 309 E. Grove St.
Contract Personnel: <ul style="list-style-type: none"> • Servinski • Fisher 	Contractor Equipment: <ul style="list-style-type: none"> • Servinski: Loader, Hand Tools • Fisher: Hand Tools
Field Person: Gary Waugh	Date: 5/2/13

DESCRIPTION OF SOILS REMOVAL

Remediation Area (Sq Ft): 2278	Yards In: * See Below	Yards Out: 0
Description of Cut Depth: See 4/30/13		
Verification Method:	See 4/30/13	Date Verified/Initial: 4/30/13 GW
Describe soils remaining: See 4/30/13		

DESCRIPTION OF FIELD ACTIVITIES:

Servinski/Fisher: Finished placing hardwood mulch in the front landscape bed, prepared the front yard and out lawn for sod. Sod was placed and trimmed as needed. The site was cleaned up and Grove St was swept with the street sweeper. Catch basin filters and all the silt fence was removed. 309 E. Grove is complete pending a final walk through with the property owner.

*Yards In:

2yds – Hardwood Mulch

Gary Waugh

5/2/13

Field Representative Signature

Date

Weather: Sunny, 60 – 79, light winds.

Green Remediation Assurance Form
Midland Resolution

Property Information

Property Owner: Mike & Wendy Ullery Contract Personnel: Pat's Trucking, Servinski
Property Address: 309 E. Grove St.
Field Person: Gary Waugh Date: 5/01/2013

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 Tittabawassee 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 Revegetation 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 Possible... Yes [] No[X] N/A []
Use Water Efficient Landscaping.....Yes [] No[] N/A [X]
Clean Manholes, Curb Inlets, Drop Inlets, Trench Drains,
Gratings, and Frames of Construction Debris, Dirt,
and Trash.....Yes [X] No[] N/A []

Area Not Remediated:
All Excavated

Yard Area:
Lawn
Outlawn
Asphalt Driveway
Sidewalks
Under Shed

Not In Yard:
Garage
House

Excavated Under Shed



MIDLAND RESOLUTION

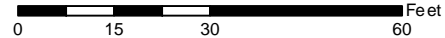
LEGEND

- Remediated Area
- Property

Total Yard Area:
10,144 sq. ft.

Area Excavated:
10,144 sq. ft.

Total Area Not Excavated:
0 sq. ft.



Parcel 14-16-50-080
Midland Resolution Soil Replacement

Dow Midland Soils Remedy Worksheet

Site Address: 508 & 510 E. Grove St.

Parcel: 14-16-50-080

Date: 4-Nov-13

Initial Soil Sample		Soil Remedy Result:
1230	Soil Result (ppt)	REMEDY
<i>If < or = 220, No Remedy</i> <i>If > 280, Remedy</i> <i>If >220 but < or = 280, Test Replicates</i>		

Replicate Soil Samples		Soil Replicate Remedy Result:
--	Initial soil result (ppt)	--
--	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)	
<i>If > 250, Remedy</i> <i>If < or = 250, No Remedy</i>		

If Soil Remedy Required, Evaluate Indoor Dust:		Indoor Dust Remedy Result:
1230	Initial soil result or 95% UCL if replicates were required (ppt)	REMEDY
10144	Area of yard (ft ²) (area as sampled)	
0	Area not remedied (ft ²)	
15	Surface Weighted Average (SWA) (ppt)	
0%	% Undisturbed Remaining Soil (URS)	
<u>2.20E-05</u>	<i>Risk is acceptable if < or = 10⁻⁵</i>	

CONSTRUCTION QUALITY ASSURANCE FORM MIDLAND RESOLUTION CENTER

PROPERTY INFORMATION

Property Owner: Kirk & Monica Bierl	Property Address: 508 East Grove St.
Contract Personnel: <ul style="list-style-type: none"> • Kappen Tree Service • Servinski • Fisher • M&M 	Contractor Equipment: <ul style="list-style-type: none"> • Kappen: Boom Crane, Bucket Truck, Chipper • Servinski: Bobcat, Mini Excavator, Single Axle Dump • M&M: Stump Grinder
Field Person: Gary Waugh	Date: April 15, 2013

DESCRIPTION OF SOILS REMOVAL

Remediation Area (Sq Ft): 6828	Yards In: * See Below	Yards Out: 0
<u>Description of Cut Depth:</u> A small area under existing shed ~12'x20' was excavated to 14" – necessary to match the grade between the existing garage and property line along west side. The shed was moved to remove the soils. The area was then backfilled with stone mix, compacted and the shed replaced to original location.		
*10 cu yrd - Stone Mix		
Verification Method:	Laser shots were taken to determine final grade.	Date Verified/Initial: GW – 4/15/13
Describe soils remaining:		

DESCRIPTION OF FIELD ACTIVITIES:

Kappen Tree Service cut and removed selected trees from the property. The brush and small limbs were chipped and the logs hauled and staged at Allied.

M&M ground the remaining stumps.

Fisher/Servinski: Removed the existing wood fence along the west side of the property. This fence will be reinstalled along the surveyed west side property line once the existing soils have been removed. Concrete walk pavers were removed and placed on pallets – saved for the property owners. A small shed was moved and the soils excavated to a depth of 14" (the soil will be staged onsite, covered and then removed on 4/16/13 along with the remaining front and back yards). Stone mix was used for backfill and the shed replaced to its original location.

**CONSTRUCTION QUALITY ASSURANCE FORM
MIDLAND RESOLUTION CENTER**

Gary Waugh

4/15/2013

Field Representative Signature

Date

Weather: Partly cloudy, mild, temps 30 – 60. Light winds.

DESCRIPTION OF FIELD ACTIVITIES – CONTINUED:

CONSTRUCTION QUALITY ASSURANCE FORM MIDLAND RESOLUTION CENTER

PROPERTY INFORMATION

Property Owner: Kirk & Monica Bierl	Property Address: 508 East Grove St.
Contract Personnel: <ul style="list-style-type: none"> Servinski Fisher Sugar 	Contractor Equipment: <ul style="list-style-type: none"> Servinski: Bobcats, Mini Excavator, Single Axle Dump Hand and Power Tools
Field Person: Gary Waugh	Date: April 16, 2013

DESCRIPTION OF SOILS REMOVAL

Remediation Area (Sq Ft): 6828	Yards In: 195 – See Below	Yards Out: 510 – See Below
Description of Cut Depth: Average Cut Depths <ul style="list-style-type: none"> Back Yard - 13" Driveway Area – 12" Front Yard – 17" Out Lawn – 8" 		
Verification Method:	Laser shots were taken to determine cut depths and final grade.	Date Verified/Initial: GW – 4/16/13
Describe soils remaining: All soils excavated to a min. average depth of 12in except in the out lawn area where two trees exist. Soils were only excavated to an average depth of 8in to protect the tree roots.		

DESCRIPTION OF FIELD ACTIVITIES:

Fisher/Servinski: Began and completed the soils excavation (See cut depths above). All excavated soils were transported to the City of Midland Landfill for disposal. Concrete removal included (2) sidewalks from the house to the city sidewalk, all of the city sidewalk from east to west property lines, driveway approach and the mixed asphalt/concrete driveway. All the concrete was trucked to the City of Midland Landfill for disposal. Topsoil was imported onto the site and rough graded.

Yards of soil/concrete out: - 510

Yard of topsoil in: - 195

Silt fence was installed at the curb line.

Sugar: Formed and poured a section of city sidewalk in front of the house 50ft long 4ft wide from east property line to the west. Concrete was covered with insulating blankets for the overnight.

Gary Waugh

4/16/2013

Field Representative Signature

Date

Weather: Partly cloudy/Clear – Temps 45 – 56, Calm to light winds.

CONSTRUCTION QUALITY ASSURANCE FORM MIDLAND RESOLUTION CENTER

PROPERTY INFORMATION

Property Owner: Kirk & Monica Bierl	Property Address: 508 East Grove St.
Contract Personnel: <ul style="list-style-type: none"> • Servinski • Fisher • Sugar • Kokaly • Reliable Plumbing 	Contractor Equipment: <ul style="list-style-type: none"> • Servinski: Bobcats, Mini Excavator, Single Axle Dump • Hand and Power Tools • Ditchwitch, Hand and Power Tools • Hand and Power Tools
Field Person: Gary Waugh	Date: April 17, 2013

DESCRIPTION OF SOILS REMOVAL

Remediation Area (Sq Ft): 6828	Yards In: * See below	Yards Out: 0
Description of Cut Depth: See 4/16/13 for details.		
Verification Method:		Date Verified/Initial:
Describe soils remaining: See 4/16/13 for details.		

DESCRIPTION OF FIELD ACTIVITIES:

Kokaly: Installed the irrigation system supply lines, sprinkler heads and low voltage valves. The system is complete except for a small landscape bed that has not been constructed between the house and driveway. Once the landscape bed is finished, Kokaly will be back onsite to complete the irrigation system.

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

Sugar: Formed the two sidewalks from the house to the city sidewalk. Concrete arrived onsite and the two sidewalks were then poured, trial floated, edged and final broom finish applied. The contractor also began forming the driveway approach and driveway.

Servinski/Fisher: The topsoil was final graded and a pre seeder used (where space allowed) to prep for sod, smaller areas were prepped by hand. Landscape beds were marked and edging installed. Depending on the landscape layout design, either drainage stone or wood mulch was placed in the beds and plants, shrubs or bushes planted. Sod was placed in the back and front yards and the out lawn area. A small area between the proposed driveway and the west property line remains incomplete. Once the driveway grade is established this area can be final graded and sodded. Heavy rain is expected for the overnight and into tomorrow.

**CONSTRUCTION QUALITY ASSURANCE FORM
MIDLAND RESOLUTION CENTER**

DESCRIPTION OF FIELD ACTIVITIES – CONTINUED:

Extra care was taken to insure that all SE/SC measures were installed. Silt fence was set at the curb line along the driveway approach and along the west side property line from the curb to the existing shed. A 4ft wide opening was left in the silt fence to allow access for the property owners. 6AA aggregate was placed at the opening to act as a filter for any potential runoff. Landscape fabric was used to create a temporary pathway from the 6AA aggregate to the rear entrance of the house. Catch basin filters were inspected and cleaned.

- * Yards of material in:
 - Topsoil – 15
 - Sand – 30
 - Wood mulch – 10
 - Drainage Stone – 8
 - 6AA Aggregate – 2

Gary Waugh

4/17/2013

Field Representative Signature

Date

Weather: Cloudy – Temps 38 – 50, Calm to light winds.

CONSTRUCTION QUALITY ASSURANCE FORM MIDLAND RESOLUTION CENTER

PROPERTY INFORMATION

Property Owner: Kirk & Monica Bierl	Property Address: 508 East Grove St.
Contract Personnel:	Contractor Equipment:
Field Person: Gary Waugh	Date: April 18, 2013

DESCRIPTION OF SOILS REMOVAL

Remediation Area (Sq Ft): 6828	Yards In:	Yards Out: 0
Description of Cut Depth: See 4/16/13 for details.		
Verification Method:		Date Verified/Initial:
Describe soils remaining: See 4/16/13 for details.		

DESCRIPTION OF FIELD ACTIVITIES:

No work performed. Rain overnight and continues through-out the day with periods of heavy down pours.

SE/SC inspections conducted. Overall the site looked good. Some ponding water was observed behind the silt fence along the curb line and no visual sediment leaving the site.

Gary Waugh

4/18/2013

Field Representative Signature

Date

Weather: Rain, heavy – Temps 43 – 67, moderate with gusty winds.

CONSTRUCTION QUALITY ASSURANCE FORM MIDLAND RESOLUTION CENTER

PROPERTY INFORMATION

Property Owner: Kirk & Monica Bierl	Property Address: 508 East Grove St.
Contract Personnel: <ul style="list-style-type: none"> • Servinski • Sugar Construction 	Contractor Equipment: <ul style="list-style-type: none"> • Servinski: Loader • Sugar: Hand Tools
Field Person: Gary Waugh	Date: April 19, 2013

DESCRIPTION OF SOILS REMOVAL

Remediation Area (Sq Ft): 6828	Yards In: *See Below	Yards Out: 0
Description of Cut Depth: See 4/16/13 for details.		
Verification Method:		Date Verified/Initial:
Describe soils remaining: See 4/16/13 for details.		

DESCRIPTION OF FIELD ACTIVITIES:

Servinski: Finished the landscape bed between the house and driveway, completed the topsoil grading west side of the driveway and assisted the Sugar crew preparing the driveway sub grade.

* Yards of Material In:

Topsoil – 4yrds

Drainage Stone – 3.5yrds

Sand (driveway) – 11yrds

Silt fence installed at the curb line and along the west property line. The temporary pathway was reinstalled.

Sugar Construction: Prepared the driveway sub grade, finished setting forms and reinstalled the fence post between the house and garage.

Gary Waugh

4/19/2013

Field Representative Signature

Date

Weather: Cloudy, falling temps 48 - 40, moderate with gusty winds.

CONSTRUCTION QUALITY ASSURANCE FORM MIDLAND RESOLUTION CENTER

PROPERTY INFORMATION

Property Owner: Kirk & Monica Bierl	Property Address: 508 East Grove St.
Contract Personnel: <ul style="list-style-type: none"> Sugar Construction 	Contractor Equipment: <ul style="list-style-type: none"> Sugar: Hand Tools
Field Person: Gary Waugh	Date: April 20, 2013

DESCRIPTION OF SOILS REMOVAL

Remediation Area (Sq Ft): 6828	Yards In: 0	Yards Out: 0
Description of Cut Depth: See 4/16/13 for details.		
Verification Method:		Date Verified/Initial:
Describe soils remaining: See 4/16/13 for details.		

DESCRIPTION OF FIELD ACTIVITIES:

Sugar Construction: Poured the concrete driveway from the garage to the city sidewalk. The concrete was float finished, edged and a broom finish applied. The concrete was covered with insulating blankets. Silt fence installed at the curb line and along the west property line.

Gary Waugh

4/20/2013

Field Representative Signature

Date

Weather: Partly cloudy, 27 - 40, moderate winds.

CONSTRUCTION QUALITY ASSURANCE FORM MIDLAND RESOLUTION CENTER

PROPERTY INFORMATION

Property Owner: Kirk & Monica Bierl	Property Address: 508 East Grove St.
Contract Personnel: <ul style="list-style-type: none"> Sugar Construction Servinski/Fisher 	Contractor Equipment: <ul style="list-style-type: none"> Sugar: Hand Tools
Field Person: Gary Waugh	Date: April 22, 2013

DESCRIPTION OF SOILS REMOVAL

Remediation Area (Sq Ft): 6828	Yards In: 0	Yards Out: 0
Description of Cut Depth: See 4/16/13 for details.		
Verification Method:		Date Verified/Initial:
Describe soils remaining: See 4/16/13 for details.		

DESCRIPTION OF FIELD ACTIVITIES:

Sugar Construction: Completed the concrete drive approach and the remaining city sidewalk. Sugar also finished cutting the control joints on the driveway concrete that was poured on Saturday 4/20/13.

Servinski/Fisher: Finished placing sod on the small area between the driveway and the west property line and site cleanup. 805 E. Grove remedy is complete pending final walk through with the owners.

Gary Waugh

4/22/2013

Field Representative Signature

Date

Weather: Sunny, 45 - 64, calm winds.

Green Remediation Assurance Form
Midland Resolution

Property Information

Property Owner: Kirk & Monica Bierl Contract Personnel: Pat's Trucking, Servinski
Property Address: 508 E. Grove St.
Field Person: Gary Waugh Date: 4/17/2013

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 Tittabawassee 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 []

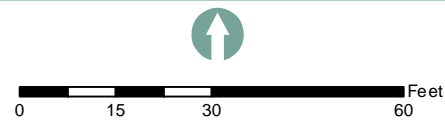
Project Controls

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 Revegetation 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 Possible... Yes [] No[X] N/A []
Use Water Efficient Landscaping.....Yes [] No [] N/A [X]
Clean Manholes, Curb Inlets, Drop Inlets, Trench Drains,
Gratings, and Frames of Construction Debris, Dirt,
and Trash.....Yes [X] No [] N/A []



LEGEND
█ Remediated Area
█ Property

Total Yard Area: 4644 sq. ft. Area Excavated: 4520 sq. ft. Total Area Not Excavated: 124 sq. ft.



Parcel 14-16-40-418
Midland Resolution Soil Replacement

Dow Midland Soils Remedy Worksheet

Site Address: 701 E. Grove St.

Parcel: 14-16-40-418

Date: 4-Nov-13

Initial Soil Sample		Soil Remedy Result:
340	Soil Result (ppt)	REMEDY
<i>If < or = 220, No Remedy</i> <i>If > 280, Remedy</i> <i>If >220 but < or = 280, Test Replicates</i>		

Replicate Soil Samples		Soil Replicate Remedy Result:
--	Initial soil result (ppt)	--
--	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)	
<i>If > 250, Remedy</i> <i>If < or = 250, No Remedy</i>		

If Soil Remedy Required, Evaluate Indoor Dust:		Indoor Dust Remedy Result:
340	Initial soil result or 95% UCL if replicates were required (ppt)	NO REMEDY
4644	Area of yard (ft ²) (area as sampled)	
124	Area not remedied (ft ²)	
24	Surface Weighted Average (SWA) (ppt)	
3%	% Undisturbed Remaining Soil (URS)	
6.49E-06	<i>Risk is acceptable if < or = 10⁻⁵</i>	

CONSTRUCTION QUALITY ASSURANCE FORM

MIDLAND RESOLUTION CENTER

PROPERTY INFORMATION

Property Owner: Brielle Prero & Robert Wheeler	Property Address: 701 E. Grove St.
Contract Personnel: <ul style="list-style-type: none"> • Kappen Tree Service 5/2/13 • Servinski • Fisher • M & M 	Contractor Equipment: <ul style="list-style-type: none"> • Kappen: Bucket Truck, Chipper • Servinski: Mini Excavator, Bobcat • Fisher: Hand Tools • M & M: Stump Grinder
Field Person: Gary Waugh	Date: 5/9/13

DESCRIPTION OF SOILS REMOVAL

Remediation Area (Sq Ft): 4690	Yards In: 80 *See Below	Yards Out: 200 *See Below
Description of Cut Depth: All soils within the remediation area square footage, were removed to an average depth of 12 inches except the area along the west side of the house (7ft x 45ft) soils were removed to an average depth of 10 inches.		
Verification Method:	Depth measurements were taken using a tape measure along cut edge	Date Verified/Initial: GW 5/9/13
Describe soils remaining: An area 4ft x 6ft in the rear yard was not removed per the property owner request. The area has flat stones and a bench located on it.		

DESCRIPTION OF FIELD ACTIVITIES:

Kappen Tree Service: Was onsite 5/2/13 and trimmed the selected trees, the branches were chipped and the chips were hauled to the Allied staging area.

M & M: Ground existing stumps from trees that had previously been removed.

Servinski/Fisher: Began the dig out, starting in the rear property working forward. Due to limited access around the garage and the west side of the house soils in these areas were removed by hand digging and wheel barrows. Some topsoil was imported onto the site placed and rough graded.

*Yards Out:

- 15yrds – Concrete, debris and soil to (Midland City Landfill – for disposal)
- 25yrds – Soils relocated to (Salzburg Landfill MAS Soils Stockpile Area)
- 160yrds – Soils relocated to (Dow WIF 11th & 12th)

* Yard In:

- 80yrds – Topsoil

Silt fence was installed at the curb line along Grove St. and the street sweeper cleaned Grove St.

**CONSTRUCTION QUALITY ASSURANCE FORM
MIDLAND RESOLUTION CENTER**

DESCRIPTION OF FIELD ACTIVITIES – CONTINUED:

Gary Waugh

5/9/13

Field Representative Signature

Date

Weather: Partly cloudy, 55 – 74, light winds.

CONSTRUCTION QUALITY ASSURANCE FORM MIDLAND RESOLUTION CENTER

PROPERTY INFORMATION

Property Owner: Brielle Prero & Robert Wheeler	Property Address: 701 E. Grove St.
Contract Personnel: <ul style="list-style-type: none"> • Servinski 	Contractor Equipment:
Field Person: Gary Waugh	Date: 5/10/13

DESCRIPTION OF SOILS REMOVAL

Remediation Area (Sq Ft): 4690	Yards In: 0	Yards Out:
Description of Cut Depth: See 5/9/13		
Verification Method:	See 5/9/13	Date Verified/Initial: GW 5/9/13
Describe soils remaining: See 5/9/13		

DESCRIPTION OF FIELD ACTIVITIES:

No remedy work performed today – rain all day.

Gary Waugh

5/10/13

Field Representative Signature

Date

Weather: Rain, falling temps, 55 – 45, windy.

CONSTRUCTION QUALITY ASSURANCE FORM

MIDLAND RESOLUTION CENTER

PROPERTY INFORMATION

Property Owner: Brielle Prero & Robert Wheeler	Property Address: 701 E. Grove St.
Contract Personnel: <ul style="list-style-type: none"> • Servinski • Fisher • Kokaly 	Contractor Equipment: <ul style="list-style-type: none"> • Servinski: Excavator, Bobcats • Fisher: Hand Tools • Kokaly: Ditchwitch, Hand Tools
Field Person: Gary Waugh	Date: 5/11/13

DESCRIPTION OF SOILS REMOVAL

Remediation Area (Sq Ft): 4690	Yards In: * See Below	Yards Out: 30 *See Below
Description of Cut Depth: See 5/9/13		
Verification Method:	See 5/9/13	Date Verified/Initial: GW 5/9/13
Describe soils remaining: See 5/9/13		

DESCRIPTION OF FIELD ACTIVITIES:

Kokaly: Began the installation of irrigation system piping, sprinkler heads, low voltage wiring and valves.

Servinski/Fisher: Completed the dig out and importing the remaining topsoil. Landscape beds were defined and the edging installed. Shrubs, bushes and trees were planted and some drainage stone and hardwood mulch was placed. The driveway was power washed to remove tracked in topsoil.

* Yards Out:
30yrds – Soil relocated to (Salzburg Landfill MAS Soil Stockpile Area)

* Yards In:
75yrds – Topsoil
10yrds – Drainage Stone
4yrds – Hardwood Mulch

Silt fence was installed at the curb line along Grove St. and the street sweeper cleaned Grove St.

**CONSTRUCTION QUALITY ASSURANCE FORM
MIDLAND RESOLUTION CENTER**

DESCRIPTION OF FIELD ACTIVITIES – CONTINUED:

Gary Waugh

5/11/13

Field Representative Signature

Date

Weather: Cloudy, 42 – 56, light winds.

CONSTRUCTION QUALITY ASSURANCE FORM

MIDLAND RESOLUTION CENTER

PROPERTY INFORMATION

Property Owner: Brielle Prero & Robert Wheeler	Property Address: 701 E. Grove St.
Contract Personnel: <ul style="list-style-type: none"> • Servinski • Fisher • Kokaly 	Contractor Equipment: <ul style="list-style-type: none"> • Servinski: Bobcat • Fisher: Hand Tools • Kokaly: Ditchwitch, Hand Tools
Field Person: Gary Waugh	Date: 5/13/13

DESCRIPTION OF SOILS REMOVAL

Remediation Area (Sq Ft): 4690	Yards In: * See Below	Yards Out: 0
Description of Cut Depth:		
See 5/9/13		
Verification Method:	See 5/9/13	Date Verified/Initial: GW 5/9/13
Describe soils remaining: See 5/9/13		

DESCRIPTION OF FIELD ACTIVITIES:

Sugar Construction: Poured the sidewalk section from the city sidewalk to front porch 4ft x 29ft and a small wedge piece along the driveway.

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

Servinski/Fisher: Finished placing drainage stone in the select landscape beds. Final prepped the topsoil and placed and trimmed the sod. A small landscape bed along the driveway remains to be planted and mulched – scheduled for 5/14/13. Once the landscape bed is finished, 701 E. Grove will be complete pending a final walk through with the property owner.

* Yards In:
6yds – Drainage Stone

Gary Waugh

5/13/13

Field Representative Signature

Date

Weather: Partly cloudy, 32 – 55, windy.

Green Remediation Assurance Form
Midland Resolution

Property Information

Property Owner: Brielle Prero & Robert Wheeler Contract Personnel: Pat's Trucking, Servinski

Property Address: 701 E. Grove St.

Field Person: Gary Waugh

Date: 5/11/2013

Fuel Usage

Low Sulfur Diesel Used:.....Yes No N/A

Equipment

Tier 3 and Tier 4 Diesel Motors Manufactured

After 2006:.....Yes No N/A

Equipment Shut Off When Not In Use (No Idling):.....Yes No N/A

Equipment Inspected For Leaks, Seepages, ETC:.....Yes No N/A

Administrative

Vegetation and Plants Supplied Locally:.....Yes No N/A

Local Subcontractors Used:.....Yes No N/A

Borrow Pit Source Selected Closer to Project but Within

Mandated Radius Criteria:.....Yes No N/A

Waste Management

Waste Generated Recycled (0)%:.....Yes No N/A

Wood/Tree's Removed Chipped and Staged for Use

Along Tittabawasse River Flood Plain as Barrier

Or Dust Control:.....Yes No N/A

Landscaping/Perennial Plants Brought to Site in

Recyclable Pots that Will Be Collected and Reused

By Supplier:.....Yes No N/A

Project Controls

Recycled Newspaper Used as Binder for Hydroseeding

Portions:.....Yes No N/A

Geosynthetics Used on Property Access Area:.....Yes No N/A

Tarps Used on Trucks During Soil Removal:.....Yes No N/A

Tarps Used on Borrow Trucks:.....Yes No N/A

Active Dust Management System Used:.....Yes No N/A

Phosphate Free Fertilizers Used:.....Yes No N/A

Removed Soil Taken to Dow Plant For Reuse in Facility:....Yes No N/A

Use of Sod as the Preferred Revegetation Tool:.....Yes No N/A

Upgrading Irrigation Controls to Include a Rain Sensor:.....Yes No N/A

Preprogramming Irrigation System to Water Only at

Prescribed Rates and Times:.....Yes No N/A

Reuse Existing Concrete Foundations When Possible...Yes No N/A

Use Water Efficient Landscaping.....Yes No N/A

Clean Manholes, Curb Inlets, Drop Inlets, Trench Drains,

Gratings, and Frames of Construction Debris, Dirt,

and Trash.....Yes No N/A



MIDLAND RESOLUTION

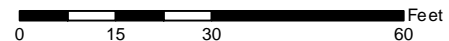
LEGEND

- █ Remediated Area
- █ Property

Total Yard Area:
4583 sq. ft.

Area Excavated:
4453 sq. ft.

Total Area Not Excavated:
130 sq. ft.



Parcel 14-16-40-132
Midland Resolution Soil Replacement

Dow Midland Soils Remedy Worksheet

Site Address: 1116 Haley St.

Parcel: 14-16-40-132

Date: 4-Nov-13

Initial Soil Sample		Soil Remedy Result:
306	Soil Result (ppt)	REMEDY
<i>If < or = 220, No Remedy</i> <i>If > 280, Remedy</i> <i>If >220 but < or = 280, Test Replicates</i>		

Replicate Soil Samples		Soil Replicate Remedy Result:
--	Initial soil result (ppt)	--
--	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)	
<i>If > 250, Remedy</i> <i>If < or = 250, No Remedy</i>		

If Soil Remedy Required, Evaluate Indoor Dust:		Indoor Dust Remedy Result:
306	Initial soil result or 95% UCL if replicates were required (ppt)	NO REMEDY
4583	Area of yard (ft ²) (area as sampled)	
130	Area not remedied (ft ²)	
23	Surface Weighted Average (SWA) (ppt)	
3%	% Undisturbed Remaining Soil (URS)	
<u>5.88E-06</u>	<i>Risk is acceptable if < or = 10⁻⁵</i>	

CONSTRUCTION QUALITY ASSURANCE FORM

MIDLAND RESOLUTION CENTER

PROPERTY INFORMATION

Property Owner: Donald & Cathy Bloomfield	Property Address: 1116 Haley St.
Contract Personnel: <ul style="list-style-type: none"> • Kappen 5/7/13 • Servinski • Fisher • Pats • M & M 	Contractor Equipment: <ul style="list-style-type: none"> • Kappen: Boom Crane, Bucket Truck, Log Truck, Stinger • Servinski: Bobcats, Excavator, Mini Excavator • Fisher: Hand Tools • Pats: Trucks • M&M: Stump Grinder
Field Person: Gary Waugh	Date: 5/15/13

DESCRIPTION OF SOILS REMOVAL

Remediation Area (Sq Ft): 3756	Yards In: 75 *See Below	Yards Out: 180 *See Below
Description of Cut Depth: All soils within the remediation area square footage were removed to an average depth of 12 inches except around an existing tree in the front lawn within a 5ft radius soils were removed to a depth of 3 inches to eliminate damage to the roots.		
Verification Method:	A laser level was used to verify cut depth	Date Verified/Initial: GW 5/15/13
Describe soils remaining: No remaining soils within the remediation area.		

DESCRIPTION OF FIELD ACTIVITIES:

Kappen Tree Service: Was onsite 5/7/13 to trim and removed the selected trees. The wood chips and logs were hauled to the Allied staging area.

M & M: Was onsite today and ground the remaining stumps left from the tree removal.

Servinski/Fisher: Began and completed the soil dig out. Topsoil imported placed and rough graded.

*Yards Out:

180yrds – Soil relocated to (Salzburg Landfill MAS Stockpile Area)

* Yards In:

75yrds – Topsoil

Silt fence was installed at the curb line along Haley St. The street sweeper cleaned the work zone along Haley St.

**CONSTRUCTION QUALITY ASSURANCE FORM
MIDLAND RESOLUTION CENTER**

DESCRIPTION OF FIELD ACTIVITIES – CONTINUED:

Gary Waugh

5/15/13

Field Representative Signature

Date

Weather: Clear, 55 – 75, Light winds

CONSTRUCTION QUALITY ASSURANCE FORM

MIDLAND RESOLUTION CENTER

PROPERTY INFORMATION

Property Owner: Donald & Cathy Bloomfield	Property Address: 1116 Haley St.
Contract Personnel: <ul style="list-style-type: none"> • Servinski • Fisher • Pats • Kokaly 	Contractor Equipment: <ul style="list-style-type: none"> • Servinski: Bobcats, Mini Excavator • Fisher: Hand Tools • Pats: Trucks
Field Person: Gary Waugh	Date: 5/16/13

DESCRIPTION OF SOILS REMOVAL

Remediation Area (Sq Ft): 3756	Yards In: *See Below	Yards Out: 0
Description of Cut Depth:		
See 5/15/13		
Verification Method:	See 5/15/13	Date Verified/Initial: GW 5/15/13
Describe soils remaining:		
See 5/15/13		

DESCRIPTION OF FIELD ACTIVITIES:

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

Kokaly: Installed the irrigation system piping, sprinkler heads, low voltage wiring and valves.
 Servinski/Fisher: Began and completed the soil dig out. Topsoil imported placed and rough graded.

Servinski/Fisher: Finished grading the topsoil so the irrigation system could be installed. Landscape beds were defined, edging installed and shrubs and bushes were planted.

*Yards In:
 5yds – Stone Mix

Silt fence was installed at the curb line along Haley St. The street sweeper cleaned the work zone along Haley St.

Gary Waugh

5/16/13

Field Representative Signature

Date

Weather: Clear, 50 – 76, Light winds

CONSTRUCTION QUALITY ASSURANCE FORM MIDLAND RESOLUTION CENTER

PROPERTY INFORMATION

Property Owner: Donald & Cathy Bloomfield	Property Address: 1116 Haley St.
Contract Personnel: <ul style="list-style-type: none"> Servinski Fisher Sugar Construction 	Contractor Equipment: <ul style="list-style-type: none"> Servinski: Bobcats, Mini Excavator Fisher: Hand Tools Sugar: Hand Tools
Field Person: Gary Waugh	Date: 5/17/13

DESCRIPTION OF SOILS REMOVAL

Remediation Area (Sq Ft): 3756	Yards In: 0	Yards Out: 0
Description of Cut Depth:		
See 5/15/13		
Verification Method:	See 5/15/13	Date Verified/Initial: GW 5/15/13
Describe soils remaining:		
See 5/15/13		

DESCRIPTION OF FIELD ACTIVITIES:

Sugar Construction: Set forms and poured the concrete for a section of city sidewalk - 4ft x 42ft.

Servinski/Fisher: Final prepped the topsoil. Placed hardwood mulch in the landscape bed, placed and trimmed the sod. Final site cleanup was performed. 1116 Haley is complete pending a final walk through with the property owner.

* Yards Out:

10ydrds – Concrete and soil hauled to (Midland City Landfill for disposal)

Gary Waugh

5/17/13

Field Representative Signature

Date

Weather: Cloudy, 48 – 68, Light winds

Green Remediation Assurance Form
Midland Resolution

Property Information

Property Owner: Donald & Cathy Bloomfield Contract Personnel: Pat's Trucking, Servinski
Property Address: 1116 Haley St.
Field Person: Gary Waugh Date: 5/16/2013

Fuel Usage

Low Sulfur Diesel Used:.....Yes No N/A

Equipment

Tier 3 and Tier 4 Diesel Motors Manufactured
After 2006:.....Yes No N/A
Equipment Shut Off When Not In Use (No Idling):.....Yes No N/A
Equipment Inspected For Leaks, Seepages, ETC:.....Yes No N/A

Administrative

Vegetation and Plants Supplied Locally:.....Yes No N/A
Local Subcontractors Used:.....Yes No N/A
Borrow Pit Source Selected Closer to Project but Within
Mandated Radius Criteria:.....Yes No N/A

Waste Management

Waste Generated Recycled (0)%:.....Yes No N/A
Wood/Tree's Removed Chipped and Staged for Use
Along Tittabawasse River Flood Plain as Barrier
Or Dust Control:.....Yes No N/A
Landscaping/Perennial Plants Brought to Site in
Recyclable Pots that Will Be Collected and Reused
By Supplier:.....Yes No N/A

Project Controls

Recycled Newspaper Used as Binder for Hydroseeding
Portions:.....Yes No N/A
Geosynthetics Used on Property Access Area:.....Yes No N/A
Tarps Used on Trucks During Soil Removal:.....Yes No N/A
Tarps Used on Borrow Trucks:.....Yes No N/A
Active Dust Management System Used:.....Yes No N/A
Phosphate Free Fertilizers Used:.....Yes No N/A
Removed Soil Taken to Dow Plant For Reuse in Facility:....Yes No N/A
Use of Sod as the Preferred Revegetation Tool:.....Yes No N/A
Upgrading Irrigation Controls to Include a Rain Sensor:.....Yes No N/A
Preprogramming Irrigation System to Water Only at
Prescribed Rates and Times:.....Yes No N/A
Reuse Existing Concrete Foundations When Possible...Yes No N/A
Use Water Efficient Landscaping.....Yes No N/A
Clean Manholes, Curb Inlets, Drop Inlets, Trench Drains,
Gratings, and Frames of Construction Debris, Dirt,
and Trash.....Yes No N/A



MIDLAND RESOLUTION

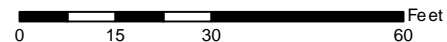
LEGEND

- █ Remediated Area
- █ Property

Total Yard Area:
6190 sq. ft.

Area Excavated:
6160 sq. ft.

Total Area Not Excavated:
30 sq. ft.



Parcel 14-16-40-130
Midland Resolution Soil Replacement

Dow Midland Soils Remedy Worksheet

Site Address: 1118 Haley St.

Parcel: 14-16-40-130

Date: 4-Nov-13

Initial Soil Sample

281

Soil Result (ppt)

Soil Remedy Result:

REMEDY

If < or = 220, No Remedy

If > 280, Remedy

If >220 but < or = 280, Test Replicates

Replicate Soil Samples

--

Initial soil result (ppt)

--

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

Soil Replicate

Remedy Result:

--

If Soil Remedy Required, Evaluate Indoor Dust:

281

Initial soil result or 95% UCL if replicates were required (ppt)

6190

Area of yard (ft²) (area as sampled)

30

Area not remedied (ft²)

16

Surface Weighted Average (SWA) (ppt)

0%

% Undisturbed Remaining Soil (URS)

5.30E-06

Risk is acceptable if < or = 10⁻⁵

Indoor Dust

Remedy Result:

NO REMEDY

CONSTRUCTION QUALITY ASSURANCE FORM MIDLAND RESOLUTION CENTER

PROPERTY INFORMATION

Property Owner: Tom Vanderkelen	Property Address: 1118 Haley St.
Contract Personnel: <ul style="list-style-type: none"> • Kappen 5/7/13 • Servinski • Fisher • Pats • M & M 	Contractor Equipment: <ul style="list-style-type: none"> • Kappen: Boom Crane, Bucket Truck, Log Truck, Stinger • Servinski: Bobcats, Excavator, Mini Excavator • Fisher: Hand Tools • Pats: Trucks • M&M: Stump Grinder
Field Person: Gary Waugh	Date: 5/15/13

DESCRIPTION OF SOILS REMOVAL

Remediation Area (Sq Ft): 4830	Yards In: 60 *See Below	Yards Out: 195 *See Below
Description of Cut Depth: All soils within the remediation area square footage were removed to an average depth of 12 inches except around an existing tree in the out lawn within a 6ft radius soils were removed to a depth of 3 inches to eliminate damage to the roots.		
Verification Method:	A laser level was used to verify cut depth	Date Verified/Initial: GW 5/15/13
Describe soils remaining: No remaining soils within the remediation area.		

DESCRIPTION OF FIELD ACTIVITIES:

Kappen Tree Service: Was onsite 5/7/13 to trim and removed the selected trees. The wood chips and logs were hauled to the Allied staging area.

M & M: Was onsite today and ground the remaining stumps left from the tree removal.

Servinski/Fisher: Began the soil dig out. Some topsoil was imported placed and rough graded.

*Yards Out:

195yrds – Soil relocated to (Salzburg Landfill MAS Stockpile Area)

* Yards In:

60yrds – Topsoil

Silt fence was installed at the curb line along Haley St. The street sweeper cleaned the work zone along Haley St.

**CONSTRUCTION QUALITY ASSURANCE FORM
MIDLAND RESOLUTION CENTER**

DESCRIPTION OF FIELD ACTIVITIES – CONTINUED:

Gary Waugh

5/15/13

Field Representative Signature

Date

Weather: Clear, 55 – 75, Light winds

CONSTRUCTION QUALITY ASSURANCE FORM

MIDLAND RESOLUTION CENTER

PROPERTY INFORMATION

Property Owner: Tom Vanderkelen	Property Address: 1118 Haley St.
Contract Personnel: <ul style="list-style-type: none"> • Servinski • Fisher • Pats • Kokaly 	Contractor Equipment: <ul style="list-style-type: none"> • Servinski: Bobcats, Mini Excavator • Fisher: Hand Tools • Pats: Trucks • Kokaly: Hand Tools, Ditchwitch
Field Person: Gary Waugh	Date: 5/16/13

DESCRIPTION OF SOILS REMOVAL

Remediation Area (Sq Ft): 4830	Yards In: 15 *See Below	Yards Out: *See Below
Description of Cut Depth:		
See 5/15/13		
Verification Method:	See 5/15/13	Date Verified/Initial: GW 5/15/13
Describe soils remaining:		
See 5/15/13		

DESCRIPTION OF FIELD ACTIVITIES:

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

Kokaly: Installed the irrigation system piping, sprinkler heads, low voltage wiring and valves.
 Servinski/Fisher: Began and completed the soil dig out. Topsoil imported placed and rough graded.

Servinski/Fisher: Completed the soil dig out and importing topsoil. The topsoil was finish graded so the irrigation system could be installed. Landscape beds were defined, edging installed and shrubs and bushes were planted. Some drainage stone was imported and placed in the appropriate bed.

*** Yards Out:**

15ydrs – Soil relocated to (Salzburg Landfill MAS Soil Stockpile Area)

*** Yards In:**

200ydrs – Topsoil

10ydrs – Drainage Stone

Silt fence was installed at the curb line along Haley St. The street sweeper cleaned the work zone along Haley St.

**CONSTRUCTION QUALITY ASSURANCE FORM
MIDLAND RESOLUTION CENTER**

DESCRIPTION OF FIELD ACTIVITIES – CONTINUED:

Gary Waugh

5/16/13

Field Representative Signature

Date

Weather: Clear, 50 – 76, Light winds

CONSTRUCTION QUALITY ASSURANCE FORM

MIDLAND RESOLUTION CENTER

PROPERTY INFORMATION

Property Owner: Tom Vanderkelen	Property Address: 1118 Haley St.
Contract Personnel: <ul style="list-style-type: none"> • Servinski • Fisher • Sugar Construction 	Contractor Equipment: <ul style="list-style-type: none"> • Servinski: Bobcats, Mini Excavator • Fisher: Hand Tools • Sugar: Hand Tools
Field Person: Gary Waugh	Date: 5/17/13

DESCRIPTION OF SOILS REMOVAL

Remediation Area (Sq Ft): 4830	Yards In: *See Below	Yards Out: 0
Description of Cut Depth:		
See 5/15/13		
Verification Method:	See 5/15/13	Date Verified/Initial: GW 5/15/13
Describe soils remaining:		
See 5/15/13		

DESCRIPTION OF FIELD ACTIVITIES:

Sugar Construction: Set forms and poured the concrete for a section of city sidewalk 4ft x 13ft.

Servinski/Fisher: Final prepped the topsoil and placed drainage stone in the landscape beds. Sod was placed and trimmed. A final site cleanup was performed. 1118 Haley is complete pending a final walk through with the property owner.

* Yards In:

9yrs – Drainage Stone

Gary Waugh

5/17/13

Field Representative Signature

Date

Weather: Cloudy, 48 – 68, Light winds

CONSTRUCTION QUALITY ASSURANCE FORM

MIDLAND RESOLUTION CENTER

PROPERTY INFORMATION

Property Owner: Tom Vanderkelen	Property Address: 1118 Haley St.
Contract Personnel: <ul style="list-style-type: none"> • Kappen 5/7/13 • Servinski • Fisher • Pats • M & M 	Contractor Equipment: <ul style="list-style-type: none"> • Kappen: Boom Crane, Bucket Truck, Log Truck, Stinger • Servinski: Bobcats, Excavator, Mini Excavator • Fisher: Hand Tools • Pats: Trucks • M&M: Stump Grinder
Field Person: Gary Waugh	Date: 5/15/13

DESCRIPTION OF SOILS REMOVAL

Remediation Area (Sq Ft): 4830	Yards In: 60 *See Below	Yards Out: 195 *See Below
Description of Cut Depth: All soils within the remediation area square footage were removed to an average depth of 12 inches except around an existing tree in the out lawn within a 6ft radius soils were removed to a depth of 3 inches to eliminate damage to the roots.		
Verification Method:	A laser level was used to verify cut depth	Date Verified/Initial: GW 5/15/13
Describe soils remaining: No remaining soils within the remediation area.		

DESCRIPTION OF FIELD ACTIVITIES:

Kappen Tree Service: Was onsite 5/7/13 to trim and removed the selected trees. The wood chips and logs were hauled to the Allied staging area.

M & M: Was onsite today and ground the remaining stumps left from the tree removal.

Servinski/Fisher: Began the soil dig out. Some topsoil was imported placed and rough graded.

***Yards Out:**

195yds – Soil relocated to (Salzburg Landfill MAS Stockpile Area)

*** Yards In:**

60yds – Topsoil

Silt fence was installed at the curb line along Haley St. The street sweeper cleaned the work zone along Haley St.

**CONSTRUCTION QUALITY ASSURANCE FORM
MIDLAND RESOLUTION CENTER**

DESCRIPTION OF FIELD ACTIVITIES – CONTINUED:

Gary Waugh

5/15/13

Field Representative Signature

Date

Weather: Clear, 55 – 75, Light winds

CONSTRUCTION QUALITY ASSURANCE FORM

MIDLAND RESOLUTION CENTER

PROPERTY INFORMATION

Property Owner: Tom Vanderkelen	Property Address: 1118 Haley St.
Contract Personnel: <ul style="list-style-type: none"> • Servinski • Fisher • Pats • Kokaly 	Contractor Equipment: <ul style="list-style-type: none"> • Servinski: Bobcats, Mini Excavator • Fisher: Hand Tools • Pats: Trucks • Kokaly: Hand Tools, Ditchwitch
Field Person: Gary Waugh	Date: 5/16/13

DESCRIPTION OF SOILS REMOVAL

Remediation Area (Sq Ft): 4830	Yards In: 15 *See Below	Yards Out: *See Below
Description of Cut Depth:		
See 5/15/13		
Verification Method:	See 5/15/13	Date Verified/Initial: GW 5/15/13
Describe soils remaining:		
See 5/15/13		

DESCRIPTION OF FIELD ACTIVITIES:

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

Kokaly: Installed the irrigation system piping, sprinkler heads, low voltage wiring and valves.
 Servinski/Fisher: Began and completed the soil dig out. Topsoil imported placed and rough graded.

Servinski/Fisher: Completed the soil dig out and importing topsoil. The topsoil was finish graded so the irrigation system could be installed. Landscape beds were defined, edging installed and shrubs and bushes were planted. Some drainage stone was imported and placed in the appropriate bed.

* Yards Out:
 15yrds – Soil relocated to (Salzburg Landfill MAS Soil Stockpile Area)

* Yards In:
 200yrds – Topsoil
 10yrds – Drainage Stone

Silt fence was installed at the curb line along Haley St. The street sweeper cleaned the work zone along Haley St.

**CONSTRUCTION QUALITY ASSURANCE FORM
MIDLAND RESOLUTION CENTER**

DESCRIPTION OF FIELD ACTIVITIES – CONTINUED:

Gary Waugh

5/16/13

Field Representative Signature

Date

Weather: Clear, 50 – 76, Light winds

Green Remediation Assurance Form
Midland Resolution

Property Information

Property Owner: Tom Vanderkelen Contract Personnel: Pat's Trucking, Servinski

Property Address: 1118 Haley St.

Field Person: Gary Waugh

Date: 5/16/2013

Fuel Usage

Low Sulfur Diesel Used:.....Yes No N/A

Equipment

Tier 3 and Tier 4 Diesel Motors Manufactured

After 2006:.....Yes No N/A

Equipment Shut Off When Not In Use (No Idling):.....Yes No N/A

Equipment Inspected For Leaks, Seepages, ETC:.....Yes No N/A

Administrative

Vegetation and Plants Supplied Locally:.....Yes No N/A

Local Subcontractors Used:.....Yes No N/A

Borrow Pit Source Selected Closer to Project but Within

Mandated Radius Criteria:.....Yes No N/A

Waste Management

Waste Generated Recycled (0)%:.....Yes No N/A

Wood/Tree's Removed Chipped and Staged for Use

Along Tittabawasse River Flood Plain as Barrier

Or Dust Control:.....Yes No N/A

Landscaping/Perennial Plants Brought to Site in

Recyclable Pots that Will Be Collected and Reused

By Supplier:.....Yes No N/A

Project Controls

Recycled Newspaper Used as Binder for Hydroseeding

Portions:.....Yes No N/A

Geosynthetics Used on Property Access Area:.....Yes No N/A

Tarps Used on Trucks During Soil Removal:.....Yes No N/A

Tarps Used on Borrow Trucks:.....Yes No N/A

Active Dust Management System Used:.....Yes No N/A

Phosphate Free Fertilizers Used:.....Yes No N/A

Removed Soil Taken to Dow Plant For Reuse in Facility:....Yes No N/A

Use of Sod as the Preferred Revegetation Tool:.....Yes No N/A

Upgrading Irrigation Controls to Include a Rain Sensor:.....Yes No N/A

Preprogramming Irrigation System to Water Only at

Prescribed Rates and Times:.....Yes No N/A

Reuse Existing Concrete Foundations When Possible...Yes No N/A

Use Water Efficient Landscaping.....Yes No N/A

Clean Manholes, Curb Inlets, Drop Inlets, Trench Drains,

Gratings, and Frames of Construction Debris, Dirt,

and Trash.....Yes No N/A

Area Not Remediated:
Under Deck: 68 sq. ft.

Yard Area:
Lawn
Outlawn
Driveway
Sidewalks

Not In Yard:
House
Garage
Deck

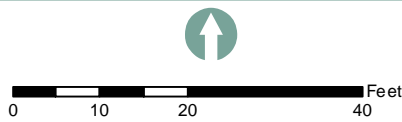
Applied fabric and rock
barrier under porch

Excavated and Replaced Sidewalk and Walkway
(Damaged during construction)



LEGEND
Remediated Area
Property

Total Yard Area: 6206 sq. ft.
Area Excavated: 6138 sq. ft.
Total Area Not Excavated: 68 sq. ft.



Parcel 14-16-40-188
Midland Resolution Soil Replacement

Dow Midland Soils Remedy Worksheet

Site Address: 1301 Haley St.

Parcel: 14-16-40-188

Date: 4-Nov-13

Initial Soil Sample		Soil Remedy Result:
308	Soil Result (ppt)	REMEDY
<i>If < or = 220, No Remedy</i> <i>If > 280, Remedy</i> <i>If >220 but < or = 280, Test Replicates</i>		

Replicate Soil Samples		Soil Replicate Remedy Result:
--	Initial soil result (ppt)	--
--	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)	
<i>If > 250, Remedy</i> <i>If < or = 250, No Remedy</i>		

If Soil Remedy Required, Evaluate Indoor Dust:		Indoor Dust Remedy Result:
308	Initial soil result or 95% UCL if replicates were required (ppt)	NO REMEDY
6206	Area of yard (ft ²) (area as sampled)	
68	Area not remedied (ft ²)	
18	Surface Weighted Average (SWA) (ppt)	
1%	% Undisturbed Remaining Soil (URS)	
<u>5.81E-06</u>	<i>Risk is acceptable if < or = 10⁻⁵</i>	

CONSTRUCTION QUALITY ASSURANCE FORM

MIDLAND RESOLUTION CENTER

PROPERTY INFORMATION

Property Owner: Steve & Sheila Sharp	Property Address: 1301 Haley St.
Contract Personnel: <ul style="list-style-type: none"> • Kappen Tree Service • Servinski • Fisher 	Contractor Equipment: <ul style="list-style-type: none"> • Kappen: Boom Crane, Bucket Truck, Chipper, Log Truck, Stinger • Servinski: Bobcats
Field Person: Gary Waugh	Date: 4/16/2013

DESCRIPTION OF SOILS REMOVAL

Remediation Area (Sq Ft): 5337	Yards In: * See Below	Yards Out: 0
Description of Cut Depth: Area under the handicap ramp – 12 in. cut		
Verification Method:	Laser level used to measure cut and to determine final grade for handicap ramp	Date Verified/Initial: GW & SS 4/16/13
Describe soils remaining: All soils under the handicap ramp were removed to a depth of 12 in.		

DESCRIPTION OF FIELD ACTIVITIES:

Kappen Tree Service: Cut and removed selected trees from the property. The brush and small limbs were chipped and the logs were hauled to the Allied staging area.

Sugar: Removed fence sections between the house and south property line to gain access for tree removal and soil excavation. They detached the handicap ramp from the front porch and assisted the Servinski/Fisher crew in moving the ramp sections out of the way. Once the soils were excavated and the area backfilled they once again helped the Servinski/Fisher crew to move the ramp back into place. Precast concrete footings were placed under the ramp legs and adjusted so the ramp sections could be reattached to the front porch at its original elevation.

Servinski/Fisher: Moved the handicap ramp with the assistance of the Sugar crew. They excavated the soils to a depth of 12 inches then backfilled with sand and then drainage stone to the new grade elevation. Moved the handicap ramp back in place and assisted the Sugar crew in reattaching the ramp sections to the front porch. The soils from under the ramp were stockpiled onsite and covered. They will be loaded and relocated to the Salzburg Landfill MAS Stockpile Area tomorrow 4/17/13 when the dig out continues.

**CONSTRUCTION QUALITY ASSURANCE FORM
MIDLAND RESOLUTION CENTER**

DESCRIPTION OF FIELD ACTIVITIES – CONTINUED:

* Yards In: Sand – 6yrds Drainage Stone – 7yrds

Gary Waugh

4/16/2013

Field Representative Signature

Date

Weather: Partly cloudy/Clear – Temps 45 – 56, Calm to light winds.

CONSTRUCTION QUALITY ASSURANCE FORM

MIDLAND RESOLUTION CENTER

PROPERTY INFORMATION

Property Owner: Steve & Sheila Sharp	Property Address: 1301 Haley St.
Contract Personnel: <ul style="list-style-type: none"> • Servinski • Fisher • Pat's 	Contractor Equipment: <ul style="list-style-type: none"> • Servinski: Bobcats, Mini Excavator • Pat's: Trucks
Field Person: Gary Waugh	Date: 4/17/2013

DESCRIPTION OF SOILS REMOVAL

Remediation Area (Sq Ft): 5337	Yards In: *See Below	Yards Out: 270
Description of Cut Depth: All areas excavated to an average depth of 12 inches.		
Verification Method:	Laser level used to check cut depth	Date Verified/Initial: GW & SS 4/16/13
Describe soils remaining: No soils remaining.		

DESCRIPTION OF FIELD ACTIVITIES:

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

Servinski/Fisher: Completed the majority of the soil dig out. All soils were hauled/relocated to the Salzburg Landfill MAS Stockpile Area. Concrete/Debris was hauled to the City of Midland Landfill for disposal. Several small areas remain to be removed behind the garage and along the south side of the house. Stone mix was imported onto the site, placed and graded for the driveway. Heavy rains expected overnight, so extra SE/SC actions were taken. Silt Fence installed around entire site. Extensions were added to the house downspouts. 6AA aggregate was placed at the drive approach to filter any potential water leaving the site. A temporary path way was constructed for owner access.

* Yards In: 6AA – 4 yds.

Gary Waugh

4/17/2013

Field Representative Signature

Date

Weather: Cloudy – Temps 38 – 50, Calm to light winds.

CONSTRUCTION QUALITY ASSURANCE FORM MIDLAND RESOLUTION CENTER

PROPERTY INFORMATION

Property Owner: Steve & Sheila Sharp	Property Address: 1301 Haley St.
Contract Personnel:	Contractor Equipment:
Field Person: Gary Waugh	Date: 4/18/2013

DESCRIPTION OF SOILS REMOVAL

Remediation Area (Sq Ft): 5337	Yards In:	Yards Out: 0
Description of Cut Depth: All areas excavated to an average depth of 12 inches.		
Verification Method:	Laser level used to check cut depth	Date Verified/Initial: GW & SS 4/16/13
Describe soils remaining: No soils remaining.		

DESCRIPTION OF FIELD ACTIVITIES:

No work performed. Rain overnight and continues through-out the day with periods of heavy down pours.

SE/SC inspections conducted. Overall the site looked good. Some ponding water was observed behind the silt fence along the curb line and no visual sediment leaving the site.

Gary Waugh

4/18/2013

Field Representative Signature

Date

Weather: Rain, heavy – Temps 43 – 67, moderate with gusty winds.

CONSTRUCTION QUALITY ASSURANCE FORM

MIDLAND RESOLUTION CENTER

PROPERTY INFORMATION

Property Owner: Steve & Sheila Sharp	Property Address: 1301 Haley St.
Contract Personnel: <ul style="list-style-type: none"> • Servinski/Fisher • Sugar Construction • Reliable Plumbing 	Contractor Equipment: <ul style="list-style-type: none"> • Servinski: Bobcat, Mini Excavator, Loader • Sugar: Hand and Power Tools • Reliable: Hand Tools
Field Person: Gary Waugh	Date: 4/19/2013

DESCRIPTION OF SOILS REMOVAL

Remediation Area (Sq Ft): 5337	Yards In: *See Below	Yards Out: 15
Description of Cut Depth: All areas excavated to an average depth of 12 inches.		
Verification Method:	Laser level used to check cut depth	Date Verified/Initial: GW & SS 4/16/13
Describe soils remaining: No soils remaining.		

DESCRIPTION OF FIELD ACTIVITIES:

Servinski/Fisher: Completed the dig out by hand digging behind the garage and along the south side of the house. Topsoil was imported onto the site placed and rough graded. Landscape fabric and drainage stone was place in the small area behind the garage.

* Yards of Material In:

Topsoil – 176 yrds

Drainage Stone – 5 yrds

Silt fence was installed at the curb line along Haley, along the south and west property lines.

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

Sugar Construction: Prepared the driveway sub grade, finished setting the forms and poured the driveway, drive approach and a section of the city sidewalk from the north property line to the south 44 ft. The concrete was trial floated, edged and broom finished. Covered with plastic for overnight.

**CONSTRUCTION QUALITY ASSURANCE FORM
MIDLAND RESOLUTION CENTER**

DESCRIPTION OF FIELD ACTIVITIES -- CONTINUED:

Gary Waugh

4/19/2013

Field Representative Signature

Date

Weather: Cloudy, falling temps 48 - 40, moderate to gusty winds.

CONSTRUCTION QUALITY ASSURANCE FORM

MIDLAND RESOLUTION CENTER

PROPERTY INFORMATION

Property Owner: Steve & Sheila Sharp	Property Address: 1301 Haley St.
Contract Personnel: <ul style="list-style-type: none"> • Servinski/Fisher • Sugar Construction • Kokaly 	Contractor Equipment: <ul style="list-style-type: none"> • Servinski: Bobcat, Mini Excavator, Loader • Sugar: Hand and Power Tools • Kokaly: Hand Tools
Field Person: Gary Waugh	Date: 4/20/2013

DESCRIPTION OF SOILS REMOVAL

Remediation Area (Sq Ft): 5337	Yards In: *See Below	Yards Out: 15
Description of Cut Depth: All areas excavated to an average depth of 12 inches.		
Verification Method:	Laser level used to check cut depth	Date Verified/Initial: GW & SS 4/16/13
Describe soils remaining: No soils remaining.		

DESCRIPTION OF FIELD ACTIVITIES:

Servinski/Fisher: Prepared the topsoil for sod and finished the landscape beds.

* Yards of Material In:

Sand – 10yrs

Drainage Stone – 9yrs

Stone Mix – 8yrs

Silt fence was installed at the curb line along Haley.

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

Sugar Construction: Formed a small pad for the garage man door approach. Sugar constructed a sand box in the rear yard southwest corner and reinstalled the wood fence between the house and the garage.

Gary Waugh

4/20/2013

Field Representative Signature

Date

Weather: Partly cloudy, 27 – 40, moderate winds.

CONSTRUCTION QUALITY ASSURANCE FORM

MIDLAND RESOLUTION CENTER

PROPERTY INFORMATION

Property Owner: Steve & Sheila Sharp	Property Address: 1301 Haley St.
Contract Personnel: <ul style="list-style-type: none"> Servinski/Fisher Sugar Construction 	Contractor Equipment: <ul style="list-style-type: none"> Servinski: Bobcat, Mini Excavator, Loader Sugar: Hand and Power Tools
Field Person: Gary Waugh	Date: 4/22/2013

DESCRIPTION OF SOILS REMOVAL

Remediation Area (Sq Ft): 5337	Yards In: 0	Yards Out: 0
Description of Cut Depth: All areas excavated to an average depth of 12 inches.		
Verification Method:	Laser level used to check cut depth	Date Verified/Initial: GW & SS 4/16/13
Describe soils remaining: No soils remaining.		

DESCRIPTION OF FIELD ACTIVITIES:

Sugar Construction: Formed and poured the remaining section of city sidewalk that was left open for access to the rear yard. Install new wood fence sections between the house and wood fence along the south property line.

Servinski/Fisher: Placed and trimmed sod and site cleanup. 1301 Haley remedy is complete pending final walk through with the owner.

Gary Waugh

4/22/2013

Field Representative Signature

Date

Weather: Sunny, 45 - 64, calm winds.

Green Remediation Assurance Form
Midland Resolution

Property Information

Property Owner: Steve & Sheila Sharp Contract Personnel: Pat's Trucking, Servinski
Property Address: 1301 Haley St.
Field Person: Gary Waugh Date: 4/19/2013

Fuel Usage

Low Sulfur Diesel Used:.....Yes No N/A

Equipment

Tier 3 and Tier 4 Diesel Motors Manufactured
After 2006:.....Yes No N/A
Equipment Shut Off When Not In Use (No Idling):.....Yes No N/A
Equipment Inspected For Leaks, Seepages, ETC:.....Yes No N/A

Administrative

Vegetation and Plants Supplied Locally:.....Yes No N/A
Local Subcontractors Used:.....Yes No N/A
Borrow Pit Source Selected Closer to Project but Within
Mandated Radius Criteria:.....Yes No N/A

Waste Management

Waste Generated Recycled (0)%:.....Yes No N/A
Wood/Tree's Removed Chipped and Staged for Use
Along Tittabawassee River Flood Plain as Barrier
Or Dust Control:.....Yes No N/A
Landscaping/Perennial Plants Brought to Site in
Recyclable Pots that Will Be Collected and Reused
By Supplier:..... Yes No N/A

Project Controls

Recycled Newspaper Used as Binder for Hydroseeding
Portions:.....Yes No N/A
Geosynthetics Used on Property Access Area:.....Yes No N/A
Tarps Used on Trucks During Soil Removal:.....Yes No N/A
Tarps Used on Borrow Trucks:.....Yes No N/A
Active Dust Management System Used:.....Yes No N/A
Phosphate Free Fertilizers Used:.....Yes No N/A
Removed Soil Taken to Dow Plant For Reuse in Facility:....Yes No N/A
Use of Sod as the Preferred Revegetation Tool:.....Yes No N/A
Upgrading Irrigation Controls to Include a Rain Sensor:....Yes No N/A
Preprogramming Irrigation System to Water Only at
Prescribed Rates and Times:..... Yes No N/A
Reuse Existing Concrete Foundations When Possible.....Yes No N/A
Use Water Efficient Landscaping..... Yes No N/A
Clean Manholes, Curb Inlets, Drop Inlets, Trench Drains,
Gratings, and Frames of Construction Debris, Dirt,
and Trash.....Yes No N/A



Area Not Excavated:
All Excavated

Yard Area:
Lawn
Outlawn
Some Sidewalk

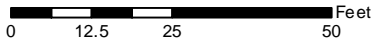
Not Included in Yard Area:
House
Garage
Driveway
Approach
Some Sidewalk

Excavated and Replaced Some Sidewalk
(Damaged during construction)



LEGEND
█ Remediated Area
█ Property

Total Yard Area: 7554 sq. ft.
 Area Excavated: 7554 sq. ft.
 Total Area Not Excavated: 0 sq. ft.



Parcel 14-21-10-392
 Midland Resolution Soil Replacement

Dow Midland Soils Remedy Worksheet

Site Address: 702 Haley St

Parcel: 14-21-10-392

Date: 4-Nov-13

Initial Soil Sample		Soil Remedy Result:
284	Soil Result (ppt)	REMEDY
<i>If < or = 220, No Remedy</i> <i>If > 280, Remedy</i> <i>If >220 but < or = 280, Test Replicates</i>		

Replicate Soil Samples		Soil Replicate Remedy Result:
--	Initial soil result (ppt)	--
--	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)	
<i>If > 250, Remedy</i> <i>If < or = 250, No Remedy</i>		

If Soil Remedy Required, Evaluate Indoor Dust:		Indoor Dust Remedy Result:
284	Initial soil result or 95% UCL if replicates were required (ppt)	NO REMEDY
7554	Area of yard (ft ²) (area as sampled)	
0	Area not remedied (ft ²)	
15	Surface Weighted Average (SWA) (ppt)	
0%	% Undisturbed Remaining Soil (URS)	
5.32E-06	<i>Risk is acceptable if < or = 10⁻⁵</i>	

CONSTRUCTION QUALITY ASSURANCE FORM MIDLAND RESOLUTION CENTER

PROPERTY INFORMATION

Property Owner: Ron Lapham	Property Address: 702 Haley St.
Contract Personnel: <ul style="list-style-type: none"> • Kappen Tree Service – 7/19/13 • Servinski • Fisher • Pats 	Contractor Equipment: <ul style="list-style-type: none"> • Kappen: Bucket Truck, Chipper, Log Truck • Servinski: Excavator, Mini Excavator, Bobcats • Fisher: Hand Tools • Pats: Trucks
Field Person: Gary Waugh	Date: 8/5/13

DESCRIPTION OF SOILS REMOVAL

Remediation Area (Sq Ft): 7506	Yards In: 0	Yards Out: 405 * See Below
Description of Cut Depth: 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: 8/5/13 GW
Describe soils remaining: No remaining soils.		

DESCRIPTION OF FIELD ACTIVITIES:

Kappen Tree Service: Was onsite 7/19/13 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 excavated soils were moved to the out lawn area along Pine St. where they were loaded into dump trucks. Water was applied to the soil during excavation and load out to control dust. Catch basin filters were in place and in good condition. Silt fence was installed at the curb line along Haley and Pine Streets. The street sweeper was used trough out the day to clean along Haley and Pine Streets.

* Yards Out:

- 45yrds – Concrete and debris were hauled to (Midland City Landfill) for disposal
- 360yrds – Soil relocated to (Dow Poseyville Landfill MAS Stockpile Area)

Gary Waugh

8/5/13

Field Representative Signature

Date

Weather: Partly cloudy, 58 – 75, light winds

CONSTRUCTION QUALITY ASSURANCE FORM

MIDLAND RESOLUTION CENTER

PROPERTY INFORMATION

Property Owner: Ron Lapham	Property Address: 702 Haley St.
Contract Personnel: <ul style="list-style-type: none"> • Servinski • Fisher • Pats • Sugar Construction • Reliable Plumbing 	Contractor Equipment: <ul style="list-style-type: none"> • Servinski: Excavator, Mini Excavator, Bobcats • Fisher: Hand Tools • Pats: Trucks • Sugar: Hand Tools • Reliable: Hand Tools
Field Person: Gary Waugh	Date: 8/6/13

DESCRIPTION OF SOILS REMOVAL

Remediation Area (Sq Ft): 7506	Yards In: 309 * See Below	Yards Out: 60 * See Below
Description of Cut Depth: 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: 8/6/13 GW
Describe soils remaining: No remaining soils.		

DESCRIPTION OF FIELD ACTIVITIES:

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

Sugar Construction: Formed and poured the concrete for several sections of city sidewalk along Haley and Pine Streets – total of 4ftx 144ft.

Servinski/Fisher: Completed the soils dig out. Began and completed importing and placing topsoil. The crew also assisted the Sugar Construction crew placing and grading sand for the concrete sub grade. Catch basin filters were in place and in good condition. Silt fence was installed at the curb line along Haley and Pine Streets. The street sweeper was used trough out the day to clean along Haley and Pine Streets.

*** Yards Out:**

- 15yrds – Concrete and debris were hauled to (Midland City Landfill) for disposal
- 45yrds – Soil relocated to (Dow Poseyville Landfill MAS Stockpile Area)

*** Yards In:**

- 300yrds – Topsoil
- 9yrds - Sand

**CONSTRUCTION QUALITY ASSURANCE FORM
MIDLAND RESOLUTION CENTER**

DESCRIPTION OF FIELD ACTIVITIES – CONTINUED:

Gary Waugh

8/6/13

Field Representative Signature

Date

Weather: Partly cloudy, 64 – 78, light winds

CONSTRUCTION QUALITY ASSURANCE FORM

MIDLAND RESOLUTION CENTER

PROPERTY INFORMATION

Property Owner: Ron Lapham	Property Address: 702 Haley St.
Contract Personnel: <ul style="list-style-type: none"> • Servinski • Fisher • Sugar Construction 	Contractor Equipment: <ul style="list-style-type: none"> • Servinski: Mini Excavator, Bobcat • Fisher: Hand Tools • Sugar: Hand Tools
Field Person: Gary Waugh	Date: 8/7/13

DESCRIPTION OF SOILS REMOVAL

Remediation Area (Sq Ft): 7506	Yards In: 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 Method:	Laser level used to verify cut depth	Date Verified/Initial: 8/6/13 GW
Describe soils remaining: No remaining soils.		

DESCRIPTION OF FIELD ACTIVITIES:

Sugar Construction: Formed and poured the concrete for the front service sidewalk 4ft x 14ft, the rear service sidewalk 4ft x 27ft, the service patio 5ft x 14ft and a section of city sidewalk 4ft x 27ft. The crew also began installing posts for the new privacy fence.

Servinski/Fisher: Rain occurred overnight, so only minimal grading work was performed on the topsoil. Catch basin filters were inspected and found to be in place and in good condition. Silt fence was in place at the curb lines along Haley and Pine Streets.

Gary Waugh

8/7/13

Field Representative Signature

Date

Weather: AM rain clearing late morning, 65 – 78, light winds

CONSTRUCTION QUALITY ASSURANCE FORM

MIDLAND RESOLUTION CENTER

PROPERTY INFORMATION

Property Owner: Ron Lapham	Property Address: 702 Haley St.
Contract Personnel: <ul style="list-style-type: none"> • Servinski • Fisher • Sugar Construction • Kokaly 	Contractor Equipment: <ul style="list-style-type: none"> • Servinski: Mini Excavator, Bobcat • Fisher: Hand Tools • Sugar: Hand Tools • Kokaly: Hand Tools
Field Person: Gary Waugh	Date: 8/8/13

DESCRIPTION OF SOILS REMOVAL

Remediation Area (Sq Ft): 7506	Yards In: * 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 Method:	Laser level used to verify cut depth	Date Verified/Initial: 8/6/13 GW
Describe soils remaining: No remaining soils.		

DESCRIPTION OF FIELD ACTIVITIES:

Sugar Construction: Continued installing posts and fence sections.

Kokaly: Installed the irrigation system piping, low voltage wiring and valves and sprinkler heads. A system check was performed. Final adjustments will be made to the system after the sod has been placed.

Servinski/Fisher: Landscape beds were defined and edging was installed. Trees, shrubs and flowers were planted and drainage stone was placed in the beds. The crew also began final prepping the topsoil. Catch basin filters were inspected and found to be in place and in good condition. Silt fence was in place at the curb lines along Haley and Pine Streets.

* Yards In:
 10yds – Drainage Stone
 2yds – Stone Mix

Gary Waugh

8/8/13

Field Representative Signature

Date

Weather: Clear, 56 – 75, light winds

CONSTRUCTION QUALITY ASSURANCE FORM MIDLAND RESOLUTION CENTER

PROPERTY INFORMATION

Property Owner: Ron Lapham	Property Address: 702 Haley St.
Contract Personnel: <ul style="list-style-type: none"> • Servinski • Fisher • Sugar Construction 	Contractor Equipment: <ul style="list-style-type: none"> • Servinski: Bobcat • Fisher: Hand Tools • Sugar: Hand Tools
Field Person: Gary Waugh	Date: 8/9/13

DESCRIPTION OF SOILS REMOVAL

Remediation Area (Sq Ft): 7506	Yards In: * 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 Method:	Laser level used to verify cut depth	Date Verified/Initial: 8/6/13 GW
Describe soils remaining: No remaining soils.		

DESCRIPTION OF FIELD ACTIVITIES:

Sugar Construction: Completed the installation of the privacy fence.

Servinski/Fisher: Topsoil was final prepped and hand raked. The remaining drainage stone was placed in the landscape beds. Sod was placed and trimmed. The irrigations system was turned on and final adjustment were made to the system. A complete site cleanup was performed. The silt fence and catch basin filters were removed. 702 Haley is complete pending a walk through with property owner.

* Yards In:
7yds – Drainage Stone

Gary Waugh

8/9/13

Field Representative Signature

Date

Weather: Clear, 56 – 78, light winds

Green Remediation Assurance Form
Midland Resolution

Property Information

Property Owner: Ron Lapham Contract Personnel: Pat's Trucking, Servinski

Property Address: 702 Haley St.

Field Person: Gary Waugh

Date: 8/7/2013

Fuel Usage

Low Sulfur Diesel Used:.....Yes No N/A

Equipment

Tier 3 and Tier 4 Diesel Motors Manufactured

After 2006:.....Yes No N/A

Equipment Shut Off When Not In Use (No Idling):.....Yes No N/A

Equipment Inspected For Leaks, Seepages, ETC:.....Yes No N/A

Administrative

Vegetation and Plants Supplied Locally:.....Yes No N/A

Local Subcontractors Used:.....Yes No N/A

Borrow Pit Source Selected Closer to Project but Within

Mandated Radius Criteria:.....Yes No N/A

Waste Management

Waste Generated Recycled (0)%:.....Yes No N/A

Wood/Tree's Removed Chipped and Staged for Use

Along Tittabawasse River Flood Plain as Barrier

Or Dust Control:.....Yes No N/A

Landscaping/Perennial Plants Brought to Site in

Recyclable Pots that Will Be Collected and Reused

By Supplier:.....Yes No N/A

Project Controls

Recycled Newspaper Used as Binder for Hydroseeding

Portions:.....Yes No N/A

Geosynthetics Used on Property Access Area:.....Yes No N/A

Tarps Used on Trucks During Soil Removal:.....Yes No N/A

Tarps Used on Borrow Trucks:.....Yes No N/A

Active Dust Management System Used:.....Yes No N/A

Phosphate Free Fertilizers Used:.....Yes No N/A

Removed Soil Taken to Dow Plant For Reuse in Facility:.....Yes No N/A

Use of Sod as the Preferred Revegetation Tool:.....Yes No N/A

Upgrading Irrigation Controls to Include a Rain Sensor:.....Yes No N/A

Preprogramming Irrigation System to Water Only at

Prescribed Rates and Times:.....Yes No N/A

Reuse Existing Concrete Foundations When Possible... Yes No N/A

Use Water Efficient Landscaping.....Yes No N/A

Clean Manholes, Curb Inlets, Drop Inlets, Trench Drains,

Gratings, and Frames of Construction Debris, Dirt,

and Trash.....Yes No N/A



MIDLAND RESOLUTION

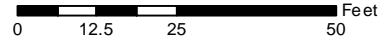
LEGEND

- █ Remediated Area
- █ Property

Total Yard Area:
6984 sq. ft.

Area Excavated:
85 sq. ft.

Total Area Not Excavated:
85 sq. ft.



Parcel 14-21-10-388
Midland Resolution Soil Replacement

Dow Midland Soils Remedy Worksheet

Site Address: 712 Haley St.

Parcel: 14-21-10-388

Date: 6-Nov-13

Initial Soil Sample		Soil Remedy Result:
343	Soil Result (ppt)	REMEDY
<i>If < or = 220, No Remedy</i> <i>If > 280, Remedy</i> <i>If >220 but < or = 280, Test Replicates</i>		

Replicate Soil Samples		Soil Replicate Remedy Result:
--	Initial soil result (ppt)	--
--	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)	
<i>If > 250, Remedy</i> <i>If < or = 250, No Remedy</i>		

If Soil Remedy Required, Evaluate Indoor Dust:		Indoor Dust Remedy Result:
343	Initial soil result or 95% UCL if replicates were required (ppt)	NO REMEDY
6984	Area of yard (ft ²) (area as sampled)	
85	Area not remedied (ft ²)	
19	Surface Weighted Average (SWA) (ppt)	
1%	% Undisturbed Remaining Soil (URS)	
6.44E-06	Risk is acceptable if < or = 10 ⁻⁵	

CONSTRUCTION QUALITY ASSURANCE FORM MIDLAND RESOLUTION CENTER

PROPERTY INFORMATION

Property Owner: Joseph Grachek	Property Address: 712 Haley St.
Contract Personnel: <ul style="list-style-type: none"> • Servinski • Fisher • Pats 	Contractor Equipment: <ul style="list-style-type: none"> • Servinski: Bobcats • Fisher: Hand Tools • Pats: Trucks
Field Person: Gary Waugh	Date: 10/30/13

DESCRIPTION OF SOILS REMOVAL

Remediation Area (Sq Ft): 4469	Yards In: 0	Yards Out: 0
Description of Cut Depth:		
Verification Method:		Date Verified/Initial:
Describe soils remaining:		

DESCRIPTION OF FIELD ACTIVITIES:

Servinski/Fisher: The crew spent the day removing the property owner's personal belongings that were throughout the yard. Several trailers were hand loaded and then staged at Pat's yard. Once the property remedy is complete personal belongings will be returned. 30 yards of debris were hauled to the Midland City Landfill for disposal.

Gary Waugh

10/30/13

Field Representative Signature

Date

Weather: Clear, 35 – 62, calm winds

CONSTRUCTION QUALITY ASSURANCE FORM MIDLAND RESOLUTION CENTER

PROPERTY INFORMATION

Property Owner: Joseph Grachek	Property Address: 712 Haley St.
Contract Personnel: <ul style="list-style-type: none"> • Servinski • Fisher • Pats • Kokaly 	Contractor Equipment: <ul style="list-style-type: none"> • Servinski: Bobcats • Fisher: Hand Tools • Pats: Trucks
Field Person: Gary Waugh	Date: 11/4/13

DESCRIPTION OF SOILS REMOVAL

Remediation Area (Sq Ft): 4469	Yards In: 90 * 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 Method:	A laser level was used to verify depth of cut.	Date Verified/Initial: 10/31/13 & 11/1/13 GW/SS
Describe soils remaining: No remaining soils		

DESCRIPTION OF FIELD ACTIVITIES:

Kokaly: Installed the irrigation system piping, wiring and valves.

Servinski/Fisher: The crew completed importing backfill material. Shrubs and flowers were planted and drainage stone placed. The topsoil was prepped and sod was placed. The owner's personal belongings were returned and placed on the stone mix area. A final site cleanup was performed. 712 Haley is complete pending a walk through with the property owner.

* Yards In:
60yds – Topsoil
30yds – Stone Mix

Gary Waugh

11/4/13

Field Representative Signature

Date

Weather: Cloudy, 40 – 55, calm winds

Green Remediation Assurance Form
Midland Resolution

Property Information

Property Owner: Joseph Grachek Contract Personnel: Pat's Trucking, Servinski
Property Address: 712 Haley
Field Person: Gary Waugh Date: 11/1/2013

Fuel Usage

Low Sulfur Diesel Used:.....Yes No N/A

Equipment

Tier 3 and Tier 4 Diesel Motors Manufactured
After 2006:.....Yes No N/A
Equipment Shut Off When Not In Use (No Idling):.....Yes No N/A
Equipment Inspected For Leaks, Seepages, ETC:.....Yes No N/A

Administrative

Vegetation and Plants Supplied Locally:.....Yes No N/A
Local Subcontractors Used:.....Yes No N/A
Borrow Pit Source Selected Closer to Project but Within
Mandated Radius Criteria:.....Yes No N/A

Waste Management

Waste Generated Recycled (0)%:.....Yes No N/A
Wood/Tree's Removed Chipped and Staged for Use
Along Tittabawasse River Flood Plain as Barrier
Or Dust Control:.....Yes No N/A
Landscaping/Perennial Plants Brought to Site in
Recyclable Pots that Will Be Collected and Reused
By Supplier:.....Yes No N/A

Project Controls

Recycled Newspaper Used as Binder for Hydroseeding
Portions:.....Yes No N/A
Geosynthetics Used on Property Access Area:.....Yes No N/A
Tarps Used on Trucks During Soil Removal:.....Yes No N/A
Tarps Used on Borrow Trucks:.....Yes No N/A
Active Dust Management System Used:.....Yes No N/A
Phosphate Free Fertilizers Used:.....Yes No N/A
Removed Soil Taken to Dow Plant For Reuse in Facility:....Yes No N/A
Use of Sod as the Preferred Revegetation Tool:.....Yes No N/A
Upgrading Irrigation Controls to Include a Rain Sensor:.....Yes No N/A
Preprogramming Irrigation System to Water Only at
Prescribed Rates and Times:.....Yes No N/A
Reuse Existing Concrete Foundations When Possible...Yes No N/A
Use Water Efficient Landscaping.....Yes No N/A
Clean Manholes, Curb Inlets, Drop Inlets, Trench Drains,
Gratings, and Frames of Construction Debris, Dirt,
and Trash.....Yes No N/A

Area Not Excavated:
All Excavated

Yard Area:
Lawn
Outlawn
Sidewalk
Driveway
Approach

Not Included in Yard Area:
House
Garage



Excavated and Replaced Sidewalk
(Damaged during construction)

Excavated and Replaced Gravel Driveway

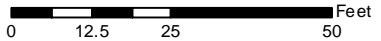


MIDLAND RESOLUTION

LEGEND

- Remediated Area
- Property

Total Yard Area: 6384 sq. ft. Area Excavated: 6384 sq. ft. Total Area Not Excavated: 0 sq. ft.



Parcel 14-16-40-618
Midland Resolution Soil Replacement

Dow Midland Soils Remedy Worksheet

Site Address: 815 Haley St

Parcel: 14-16-40-618

Date: 4-Nov-13

Initial Soil Sample		Soil Remedy Result:
331	Soil Result (ppt)	REMEDY
<i>If < or = 220, No Remedy</i> <i>If > 280, Remedy</i> <i>If >220 but < or = 280, Test Replicates</i>		

Replicate Soil Samples		Soil Replicate Remedy Result:
--	Initial soil result (ppt)	--
--	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)	
<i>If > 250, Remedy</i> <i>If < or = 250, No Remedy</i>		

If Soil Remedy Required, Evaluate Indoor Dust:		Indoor Dust Remedy Result:
331	Initial soil result or 95% UCL if replicates were required (ppt)	NO REMEDY
6384	Area of yard (ft ²) (area as sampled)	
0	Area not remedied (ft ²)	
15	Surface Weighted Average (SWA) (ppt)	
0%	% Undisturbed Remaining Soil (URS)	
6.15E-06	<i>Risk is acceptable if < or = 10⁻⁵</i>	

CONSTRUCTION QUALITY ASSURANCE FORM

MIDLAND RESOLUTION CENTER

PROPERTY INFORMATION

Property Owner: Greg Knochel & Melanie Jenkins	Property Address: 815 Haley St.
Contract Personnel: <ul style="list-style-type: none"> • Kappen Tree Service – 7/24/13 • Servinski • Fisher • Pats 	Contractor Equipment: <ul style="list-style-type: none"> • Kappen: Bucket Truck, Chipper, Log Truck • Servinski: Excavator, Bobcats • Fisher: Hand Tools • Pats: Trucks
Field Person: Gary Waugh	Date: 8/12/13

DESCRIPTION OF SOILS REMOVAL

Remediation Area (Sq Ft): 5864	Yards In: 75 * See Below	Yards Out: 195 * See Below
Description of Cut Depth: All soils within the remediation area square footage were removed to an average depth of 12 inches.		
Verification Method:	A laser level was used to verify cit depth	Date Verified/Initial: 8/12/13 GW/SS
Describe soils remaining: No remaining soils		

DESCRIPTION OF FIELD ACTIVITIES:

Kappen Tree Service: Was onsite 7/24/13 and removed the select trees. Wood chips and logs were hauled to the Allied staging area.

Servinski/Fisher: Began the soils dig out. Trucks were direct loaded from the driveway using an excavator. Soils were excavated by bobcats and then moved to the loading area. Water was applied as needed to the soils during excavation and load out to control dust. Some topsoil was imported and placed. Filters were installed in the catch basins within 100ft of the property. Silt fence was installed at the curb line along Haley St.

* Yards Out:

- 15yrs – Concrete and debris were hauled to (Midland City Landfill) for disposal.
- 170yrs – Soil relocated to (Dow Poseyville Landfill MAS Stockpile Area)

* Yards In:

- 75yrs - Topsoil

Gary Waugh

8/12/13

Field Representative Signature

Date

Weather: Clear, 62 – 79, light winds

CONSTRUCTION QUALITY ASSURANCE FORM

MIDLAND RESOLUTION CENTER

PROPERTY INFORMATION

Property Owner: Greg Knochel & Melanie Jenkins	Property Address: 815 Haley St.
Contract Personnel: <ul style="list-style-type: none"> • Servinski • Fisher • Pats • Sugar Construction • Reliable Plumbing 	Contractor Equipment: <ul style="list-style-type: none"> • Servinski: Excavator, Bobcats • Fisher: Hand Tools • Pats: Trucks • Sugar: Hand Tools • Reliable: Hand Tools
Field Person: Gary Waugh	Date: 8/13/13

DESCRIPTION OF SOILS REMOVAL

Remediation Area (Sq Ft): 5864	Yards In: * See Below	Yards Out: 195 * See Below
Description of Cut Depth: All soils within the remediation area square footage were removed to an average depth of 12 inches.		
Verification Method:	A laser level was used to verify cit depth	Date Verified/Initial: 8/13/13 GW/SS
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: Formed and poured the concrete for the replacement city sidewalk 4ft x 60ft and the service sidewalk 3ft x 63ft.

Servinski/Fisher: Completed the soils dig out and importing placing and grading topsoil. Water was applied as needed to the soils during excavation and load out to control dust. Catch basin filters and silt fence were inspected and found to be in good condition.

* Yards Out:

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

* Yards In:

105yds – Topsoil

40yds – Sand (driveway sub grade)

30yds – Stone Mix (along driveway)

Gary Waugh

8/13/13

Field Representative Signature

Date

Weather: Clear, 50 – 70, light winds

CONSTRUCTION QUALITY ASSURANCE FORM

MIDLAND RESOLUTION CENTER

PROPERTY INFORMATION

Property Owner: Greg Knochel & Melanie Jenkins	Property Address: 815 Haley St.
Contract Personnel: <ul style="list-style-type: none"> • Servinski • Fisher • Sugar Construction • Kokaly 	Contractor Equipment: <ul style="list-style-type: none"> • Servinski: Bobcat, Pre Seeder • Fisher: Hand Tools • Sugar: Hand Tools • Kokaly: Hand Tools
Field Person: Gary Waugh	Date: 8/14/13

DESCRIPTION OF SOILS REMOVAL

Remediation Area (Sq Ft): 5864	Yards In: * See Below	Yards Out:
Description of Cut Depth: All soils within the remediation area square footage were removed to an average depth of 12 inches.		
Verification Method:	A laser level was used to verify cit depth	Date Verified/Initial: 8/13/13 GW/SS
Describe soils remaining: No remaining soils		

DESCRIPTION OF FIELD ACTIVITIES:

Kokaly: Installed the irrigation system piping, low voltage wiring, valves and sprinkler heads. A function check was performed on the system. Final adjustments will be made after the sod is in place.

Sugar Construction: Formed and poured the concrete for the front service sidewalk 4ft x 11ft.

Servinski/Fisher: Topsoil was final prepped and hand raked. Landscape beds were laid out and edging was installed. Shrubs, trees and flowers were planted and drainage stone and mulch were placed in the appropriate bed. Catch basin filters and silt fence were inspected and found to be in good condition.

* Yards In:

12yds – Drainage Stone

9yds – Hardwood Mulch

Gary Waugh

8/14/13

Field Representative Signature

Date

Weather: Clear, 48 – 70, light winds

CONSTRUCTION QUALITY ASSURANCE FORM MIDLAND RESOLUTION CENTER

PROPERTY INFORMATION

Property Owner: Greg Knochel & Melanie Jenkins	Property Address: 815 Haley St.
Contract Personnel: <ul style="list-style-type: none"> • Servinski • Fisher • Sugar Construction • Kokaly 	Contractor Equipment: <ul style="list-style-type: none"> • Servinski: Bobcat, Pre Seeder • Fisher: Hand Tools • Sugar: Hand Tools • Kokaly: Hand Tools
Field Person: Gary Waugh	Date: 8/15/13

DESCRIPTION OF SOILS REMOVAL

Remediation Area (Sq Ft): 5864	Yards In: 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 Method:	A laser level was used to verify cit depth	Date Verified/Initial: 8/13/13 GW/SS
Describe soils remaining: No remaining soils		

DESCRIPTION OF FIELD ACTIVITIES:

Servinski/Fisher: Topsoil was final hand raked. Sod was placed and trimmed. The irrigation system was turned on and adjustments were made to the system. A final site cleanup was performed. Silt fence and catch basin filters were removed. 815 Haley is complete pending a walk through with the property owners.

Gary Waugh

8/15/13

Field Representative Signature

Date

Weather: Clear, 55 – 73, light winds

Green Remediation Assurance Form
Midland Resolution

Property Information

Property Owner: Greg Knochel & M. Jenkins Contract Personnel: Pat's Trucking, Servinski
Property Address: 815 Haley St.
Field Person: Gary Waugh Date: 8/13/2013

Fuel Usage

Low Sulfur Diesel Used:.....Yes No N/A

Equipment

Tier 3 and Tier 4 Diesel Motors Manufactured
After 2006:.....Yes No N/A
Equipment Shut Off When Not In Use (No Idling):.....Yes No N/A
Equipment Inspected For Leaks, Seepages, ETC:.....Yes No N/A

Administrative

Vegetation and Plants Supplied Locally:.....Yes No N/A
Local Subcontractors Used:.....Yes No N/A
Borrow Pit Source Selected Closer to Project but Within
Mandated Radius Criteria:.....Yes No N/A

Waste Management

Waste Generated Recycled (0)%:.....Yes No N/A
Wood/Tree's Removed Chipped and Staged for Use
Along Tittabawasse River Flood Plain as Barrier
Or Dust Control:.....Yes No N/A
Landscaping/Perennial Plants Brought to Site in
Recyclable Pots that Will Be Collected and Reused
By Supplier:.....Yes No N/A

Project Controls

Recycled Newspaper Used as Binder for Hydroseeding
Portions:.....Yes No N/A
Geosynthetics Used on Property Access Area:.....Yes No N/A
Tarps Used on Trucks During Soil Removal:.....Yes No N/A
Tarps Used on Borrow Trucks:.....Yes No N/A
Active Dust Management System Used:.....Yes No N/A
Phosphate Free Fertilizers Used:.....Yes No N/A
Removed Soil Taken to Dow Plant For Reuse in Facility:....Yes No N/A
Use of Sod as the Preferred Revegetation Tool:.....Yes No N/A
Upgrading Irrigation Controls to Include a Rain Sensor:.....Yes No N/A
Preprogramming Irrigation System to Water Only at
Prescribed Rates and Times:.....Yes No N/A
Reuse Existing Concrete Foundations When Possible...Yes No N/A
Use Water Efficient Landscaping.....Yes No N/A
Clean Manholes, Curb Inlets, Drop Inlets, Trench Drains,
Gratings, and Frames of Construction Debris, Dirt,
and Trash.....Yes No N/A

Area Not Excavated:
All Excavated

Yard Area:
Lawn
Outlawn
Some Sidewalk
Driveway
Approach

Not Included in Yard Area:
House
Garage
Some Sidewalk

Excavated and replaced gravel driveway

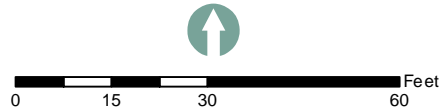
Excavated and replaced sidewalk
(Damaged during construction)

Excavated and replaced Walkway
(Damaged during construction)



LEGEND
Remediated Area
Property

Total Yard Area: 5732 sq. ft.
Area Excavated: 5732 sq. ft.
Total Area Not Excavated: 0 sq. ft.



Parcel 14-16-30-158
Midland Resolution Soil Replacement

Dow Midland Soils Remedy Worksheet

Site Address: 405 E Hines St.

Parcel: 14-16-30-158

Date: 6-Nov-13

Initial Soil Sample		Soil Remedy Result:
293	Soil Result (ppt)	REMEDY
<i>If < or = 220, No Remedy</i> <i>If > 280, Remedy</i> <i>If >220 but < or = 280, Test Replicates</i>		

Replicate Soil Samples		Soil Replicate Remedy Result:
--	Initial soil result (ppt)	--
--	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)	
<i>If > 250, Remedy</i> <i>If < or = 250, No Remedy</i>		

If Soil Remedy Required, Evaluate Indoor Dust:		Indoor Dust Remedy Result:
293	Initial soil result or 95% UCL if replicates were required (ppt)	NO REMEDY
5732	Area of yard (ft ²) (area as sampled)	
0	Area not remedied (ft ²)	
15	Surface Weighted Average (SWA) (ppt)	
0%	% Undisturbed Remaining Soil (URS)	
5.48E-06	Risk is acceptable if < or = 10 ⁻⁵	

CONSTRUCTION QUALITY ASSURANCE FORM

MIDLAND RESOLUTION CENTER

PROPERTY INFORMATION

Property Owner: Maria McMillan	Property Address: 405 E. Hines St.
Contract Personnel: <ul style="list-style-type: none"> • Kappen Tree Service – 10/8/13 • Servinski • Fisher • Pats • Reliable Plumbing 	Contractor Equipment: <ul style="list-style-type: none"> • Kappen: Bucket Truck, Chipper • Servinski: Excavator, Bobcats • Fisher: Hand Tools • Pats: Trucks • Reliable: Hand Tools
Field Person: Gary Waugh	Date: 10/9/13

DESCRIPTION OF SOILS REMOVAL

Remediation Area (Sq Ft): 5063	Yards In: 0	Yards Out: 150 * See Below
Description of Cut Depth: All soils within the remediation area square footage were removed to an average depth of 12 inches.		
Verification Method:	Measured cut depth at excavation line	Date Verified/Initial: 10/9/13 GW
Describe soils remaining: No remaining soils		

DESCRIPTION OF FIELD ACTIVITIES:

Kappen Tree Service: Was on site 10/8/13 and removed the select trees. The logs and wood chips were hauled to the Allied staging area.

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

Servinski/Fisher: The crew began working on the soils dig out. Starting in the rear of the property soils were excavated and moved to the front out lawn area using a bobcat. Trucks were loaded along Hines St. using an excavator. Catch basin filters and silt fence were checked and found to be in good condition. The street sweeper was used as needed to clean along Hines St.

* Yards Out:

150yds – Soil relocated to (Dow MIOPS Poseyville Landfill MAS Stockpile Area)

Gary Waugh

10/9/13

Field Representative Signature

Date

Weather: Clear, 48 – 70, light winds

CONSTRUCTION QUALITY ASSURANCE FORM MIDLAND RESOLUTION CENTER

PROPERTY INFORMATION

Property Owner: Maria McMillan	Property Address: 405 E. Hines St.
Contract Personnel: <ul style="list-style-type: none"> • Servinski • Fisher • Pats • Sugar Construction 	Contractor Equipment: <ul style="list-style-type: none"> • Servinski: Excavator, Bobcats • Fisher: Hand Tools • Pats: Trucks • Sugar: Hand Tools
Field Person: Gary Waugh	Date: 10/10/13

DESCRIPTION OF SOILS REMOVAL

Remediation Area (Sq Ft): 5063	Yards In: 218 * See Below	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 Method:	Measured cut depth at excavation line	Date Verified/Initial: 10/10/13 GW
Describe soils remaining: No remaining soils		

DESCRIPTION OF FIELD ACTIVITIES:

Sugar Construction: Formed and poured a small concrete pad in front of the garage. A drain was installed in the concrete to help convey water away from the garage door.

Servinski/Fisher: The crew completed the soils dig out and importing topsoil. The topsoil was rough graded in preparation for the irrigation system. Sand and stone mix was imported placed and graded for the driveway. Catch basin filters and silt fence were in place and in good condition.

* Yards Out:

105yds – Soil relocated to (Dow MIOPS Poseyville Landfill MAS Stockpile Area)

* Yards In:

150yds – Topsoil

30yds – Sand

38yds – Stone Mix

6yds – 6AA Aggregate

Gary Waugh

10/10/13

Field Representative Signature

Date

Weather: Clear, 48 – 71, light winds

CONSTRUCTION QUALITY ASSURANCE FORM

MIDLAND RESOLUTION CENTER

PROPERTY INFORMATION

Property Owner: Maria McMillan	Property Address: 405 E. Hines St.
Contract Personnel: <ul style="list-style-type: none"> • Servinski • Fisher • Sugar Construction • Kokaly 	Contractor Equipment: <ul style="list-style-type: none"> • Servinski: Excavator, Bobcats • Fisher: Hand Tools • Sugar: Hand Tools • Kokaly: Hand Tools
Field Person: Gary Waugh	Date: 10/11/13

DESCRIPTION OF SOILS REMOVAL

Remediation Area (Sq Ft): 5063	Yards In: * 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 Method:	Measured cut depth at excavation line	Date Verified/Initial: 10/10/13 GW
Describe soils remaining: No remaining soils		

DESCRIPTION OF FIELD ACTIVITIES:

Sugar Construction: The crew formed and poured the concrete for a section of city sidewalk 4ft x 24ft. The crew also reinstalled the privacy fence that was removed to accommodate the soils dig out.

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

Servinski/Fisher: The crew laid out the landscape beds installed the edging. Shrubs and flowers were planted and drainage stone and hardwood mulch were placed in the beds. The topsoil was final prepped and hand raked. Sod was then placed and trimmed. The irrigation system was turned on and adjustments made to the system. A final site cleanup was performed and the catch basin filters and silt fence was removed. 405 Hines is complete pending a walk through with the property owner.

* Yards In:

3yds – Drainage Stone

13yds – Hardwood Mulch

**CONSTRUCTION QUALITY ASSURANCE FORM
MIDLAND RESOLUTION CENTER**

DESCRIPTION OF FIELD ACTIVITIES – CONTINUED:

Gary Waugh

10/11/13

Field Representative Signature

Date

Weather: Clear, 53– 75, calm winds

Green Remediation Assurance Form
Midland Resolution

Property Information

Property Owner: Maria McMillan

Contract Personnel: Pat's Trucking, Servinski

Property Address: 405 Hines

Field Person: Gary Waugh

Date: 10/10/2013

Fuel Usage

Low Sulfur Diesel Used:.....Yes No N/A

Equipment

Tier 3 and Tier 4 Diesel Motors Manufactured

After 2006:.....Yes No N/A

Equipment Shut Off When Not In Use (No Idling):.....Yes No N/A

Equipment Inspected For Leaks, Seepages, ETC:.....Yes No N/A

Administrative

Vegetation and Plants Supplied Locally:.....Yes No N/A

Local Subcontractors Used:.....Yes No N/A

Borrow Pit Source Selected Closer to Project but Within

Mandated Radius Criteria:.....Yes No N/A

Waste Management

Waste Generated Recycled (0)%:.....Yes No N/A

Wood/Tree's Removed Chipped and Staged for Use

Along Tittabawasse River Flood Plain as Barrier

Or Dust Control:.....Yes No N/A

Landscaping/Perennial Plants Brought to Site in

Recyclable Pots that Will Be Collected and Reused

By Supplier:.....Yes No N/A

Project Controls

Recycled Newspaper Used as Binder for Hydroseeding

Portions:.....Yes No N/A

Geosynthetics Used on Property Access Area:.....Yes No N/A

Tarps Used on Trucks During Soil Removal:.....Yes No N/A

Tarps Used on Borrow Trucks:.....Yes No N/A

Active Dust Management System Used:.....Yes No N/A

Phosphate Free Fertilizers Used:.....Yes No N/A

Removed Soil Taken to Dow Plant For Reuse in Facility:....Yes No N/A

Use of Sod as the Preferred Revegetation Tool:.....Yes No N/A

Upgrading Irrigation Controls to Include a Rain Sensor:.....Yes No N/A

Preprogramming Irrigation System to Water Only at

Prescribed Rates and Times:.....Yes No N/A

Reuse Existing Concrete Foundations When Possible...Yes No N/A

Use Water Efficient Landscaping.....Yes No N/A

Clean Manholes, Curb Inlets, Drop Inlets, Trench Drains,

Gratings, and Frames of Construction Debris, Dirt,

and Trash.....Yes No N/A

Area Not Excavated:
Excavated All

Yard Area:
Lawn
Outlawn
Part of Driveway

Not Included in Yard Area:
House
Garage
Part of Driveway
Approach
Sidewalk



Excavated and Replaced Part of Driveway
(Owner elected to replace)



MIDLAND RESOLUTION

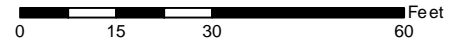
LEGEND

- Remediated Area
- Property

Total Yard Area:
5526 sq. ft.

Area Excavated:
5526 sq. ft.

Total Area Not Excavated:
0 sq. ft.



Parcel 14-15-40-022
Midland Resolution Soil Replacement

Dow Midland Soils Remedy Worksheet

Site Address: 1502 Iowa St.

Parcel: 14-15-40-022

Date: 4-Nov-13

Initial Soil Sample		Soil Remedy Result:
293	Soil Result (ppt)	REMEDY
<i>If < or = 220, No Remedy</i> <i>If > 280, Remedy</i> <i>If >220 but < or = 280, Test Replicates</i>		

Replicate Soil Samples		Soil Replicate Remedy Result:
--	Initial soil result (ppt)	--
--	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)	
<i>If > 250, Remedy</i> <i>If < or = 250, No Remedy</i>		

If Soil Remedy Required, Evaluate Indoor Dust:		Indoor Dust Remedy Result:
293	Initial soil result or 95% UCL if replicates were required (ppt)	NO REMEDY
5526	Area of yard (ft ²) (area as sampled)	
0	Area not remedied (ft ²)	
15	Surface Weighted Average (SWA) (ppt)	
0%	% Undisturbed Remaining Soil (URS)	
5.48E-06	Risk is acceptable if < or = 10 ⁻⁵	

CONSTRUCTION QUALITY ASSURANCE FORM

MIDLAND RESOLUTION CENTER

PROPERTY INFORMATION

Property Owner: Brenda Guest	Property Address: 1502 Iowa St.
Contract Personnel: <ul style="list-style-type: none"> • Servinski • Fisher • Pats • Reliable Plumbing 	Contractor Equipment: <ul style="list-style-type: none"> • Servinski: Excavator, Mini Excavator, Bobcats • Fisher: Hand Tools • Pats: Trucks • Reliable: Hand tools
Field Person: Gary Waugh	Date: 10/7/13

DESCRIPTION OF SOILS REMOVAL

Remediation Area (Sq Ft): 2979	Yards In: 105 * See Below	Yards Out: 168 * See Below
Description of Cut Depth: All soils within the remediation area square footage were removed to an average depth of 12 inches.		
Verification Method:	Measured cut depth at the excavation line	Date Verified/Initial: 10/7/13 GW/SS
Describe soils remaining: No remaining soils		

DESCRIPTION OF FIELD ACTIVITIES:

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. Topsoil was also imported placed and graded in preparation for the irrigation system. During excavation of the soils depth cut depths were verified to be an average of 12 inches. Catch basin filters and silt fence were in place and in good condition.

* Yards Out:

168yrds – Soil relocated to (Dow MIOPS Poseyville Landfill MAS Stockpile Area)

* Yards In:

105yrds – Topsoil

7yrds – Drainage Stone

Gary Waugh

10/7/13

Field Representative Signature

Date

Weather: Partly cloudy, 53 – 61, light winds

CONSTRUCTION QUALITY ASSURANCE FORM

MIDLAND RESOLUTION CENTER

PROPERTY INFORMATION

Property Owner: Brenda Guest	Property Address: 1502 Iowa St.
Contract Personnel: <ul style="list-style-type: none"> • Servinski • Fisher • Kokaly 	Contractor Equipment: <ul style="list-style-type: none"> • Servinski: Excavator, Mini Excavator, Bobcats • Fisher: Hand Tools • Kokaly: Hand Tools
Field Person: Gary Waugh	Date: 10/8/13

DESCRIPTION OF SOILS REMOVAL

Remediation Area (Sq Ft): 2979	Yards In: 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 Method:	Measured cut depth at the excavation line	Date Verified/Initial: 10/7/13 GW/SS
Describe soils remaining: No remaining soils		

DESCRIPTION OF FIELD ACTIVITIES:

Kokaly: Installed the irrigation system piping, low voltage wiring, valves and sprinkler heads. A system function check was performed.

Servinski/Fisher: After the Kokaly completed the irrigation system the crew installed edging, planted the shrubs and flowers and placed drainage stone in the landscape beds. The topsoil was final prepped and hand raked. Sod was placed and trimmed and the irrigations system was turned on, programmed and adjusted as needed. A final site cleanup was performed. Note: Sugar Construction is scheduled to replace the concrete driveway 10ft x 63ft on 10/9/13. Once the driveway is complete a walk through will be scheduled with the property owner.

Gary Waugh

10/8/13

Field Representative Signature

Date

Weather: Clear, 45 – 70, calm winds

CONSTRUCTION QUALITY ASSURANCE FORM

MIDLAND RESOLUTION CENTER

PROPERTY INFORMATION

Property Owner: Brenda Guest	Property Address: 1502 Iowa St.
Contract Personnel: <ul style="list-style-type: none"> • Servinski • Fisher • Pats • Reliable Plumbing 	Contractor Equipment: <ul style="list-style-type: none"> • Servinski: Excavator, Mini Excavator, Bobcats • Fisher: Hand Tools • Pats: Trucks • Reliable: Hand tools
Field Person: Gary Waugh	Date: 10/7/13

DESCRIPTION OF SOILS REMOVAL

Remediation Area (Sq Ft): 2979	Yards In: 105 * See Below	Yards Out: 168 * See Below
Description of Cut Depth: All soils within the remediation area square footage were removed to an average depth of 12 inches.		
Verification Method:	Measured cut depth at the excavation line	Date Verified/Initial: 10/7/13 GW/SS
Describe soils remaining: No remaining soils		

DESCRIPTION OF FIELD ACTIVITIES:

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. Topsoil was also imported placed and graded in preparation for the irrigation system. During excavation of the soils depth cut depths were verified to be an average of 12 inches. Catch basin filters and silt fence were in place and in good condition.

* Yards Out:

168yrds – Soil relocated to (Dow MIOPS Poseyville Landfill MAS Stockpile Area)

* Yards In:

105yrds – Topsoil

7yrds – Drainage Stone

Gary Waugh

10/7/13

Field Representative Signature

Date

Weather: Partly cloudy, 53 – 61, light winds

CONSTRUCTION QUALITY ASSURANCE FORM

MIDLAND RESOLUTION CENTER

PROPERTY INFORMATION

Property Owner: Brenda Guest	Property Address: 1502 Iowa St.
Contract Personnel: <ul style="list-style-type: none"> • Servinski • Fisher • Kokaly 	Contractor Equipment: <ul style="list-style-type: none"> • Servinski: Excavator, Mini Excavator, Bobcats • Fisher: Hand Tools • Kokaly: Hand Tools
Field Person: Gary Waugh	Date: 10/8/13

DESCRIPTION OF SOILS REMOVAL

Remediation Area (Sq Ft): 2979	Yards In: 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 Method:	Measured cut depth at the excavation line	Date Verified/Initial: 10/7/13 GW/SS
Describe soils remaining: No remaining soils		

DESCRIPTION OF FIELD ACTIVITIES:

Kokaly: Installed the irrigation system piping, low voltage wiring, valves and sprinkler heads. A system function check was performed.

Servinski/Fisher: After the Kokaly completed the irrigation system the crew installed edging, planted the shrubs and flowers and placed drainage stone in the landscape beds. The topsoil was final prepped and hand raked. Sod was placed and trimmed and the irrigations system was turned on, programmed and adjusted as needed. A final site cleanup was performed. Note: Sugar Construction is scheduled to replace the concrete driveway 10ft x 63ft on 10/9/13. Once the driveway is complete a walk through will be scheduled with the property owner.

Gary Waugh

10/8/13

Field Representative Signature

Date

Weather: Clear, 45 – 70, calm winds

Green Remediation Assurance Form
Midland Resolution

Property Information

Property Owner: Brenda Guest

Contract Personnel: Pat's Trucking, Servinski

Property Address: 1502 Iowa

Field Person: Gary Waugh

Date: 10/7/2013

Fuel Usage

Low Sulfur Diesel Used:.....Yes No N/A

Equipment

Tier 3 and Tier 4 Diesel Motors Manufactured

After 2006:.....Yes No N/A

Equipment Shut Off When Not In Use (No Idling):.....Yes No N/A

Equipment Inspected For Leaks, Seepages, ETC:.....Yes No N/A

Administrative

Vegetation and Plants Supplied Locally:.....Yes No N/A

Local Subcontractors Used:.....Yes No N/A

Borrow Pit Source Selected Closer to Project but Within

Mandated Radius Criteria:.....Yes No N/A

Waste Management

Waste Generated Recycled (0)%:.....Yes No N/A

Wood/Tree's Removed Chipped and Staged for Use

Along Tittabawassee River Flood Plain as Barrier

Or Dust Control:.....Yes No N/A

Landscaping/Perennial Plants Brought to Site in

Recyclable Pots that Will Be Collected and Reused

By Supplier:.....Yes No N/A

Project Controls

Recycled Newspaper Used as Binder for Hydroseeding

Portions:.....Yes No N/A

Geosynthetics Used on Property Access Area:.....Yes No N/A

Tarps Used on Trucks During Soil Removal:.....Yes No N/A

Tarps Used on Borrow Trucks:.....Yes No N/A

Active Dust Management System Used:.....Yes No N/A

Phosphate Free Fertilizers Used:.....Yes No N/A

Removed Soil Taken to Dow Plant For Reuse in Facility:....Yes No N/A

Use of Sod as the Preferred Revegetation Tool:.....Yes No N/A

Upgrading Irrigation Controls to Include a Rain Sensor:.....Yes No N/A

Preprogramming Irrigation System to Water Only at

Prescribed Rates and Times:.....Yes No N/A

Reuse Existing Concrete Foundations When Possible... Yes No N/A

Use Water Efficient Landscaping.....Yes No N/A

Clean Manholes, Curb Inlets, Drop Inlets, Trench Drains,

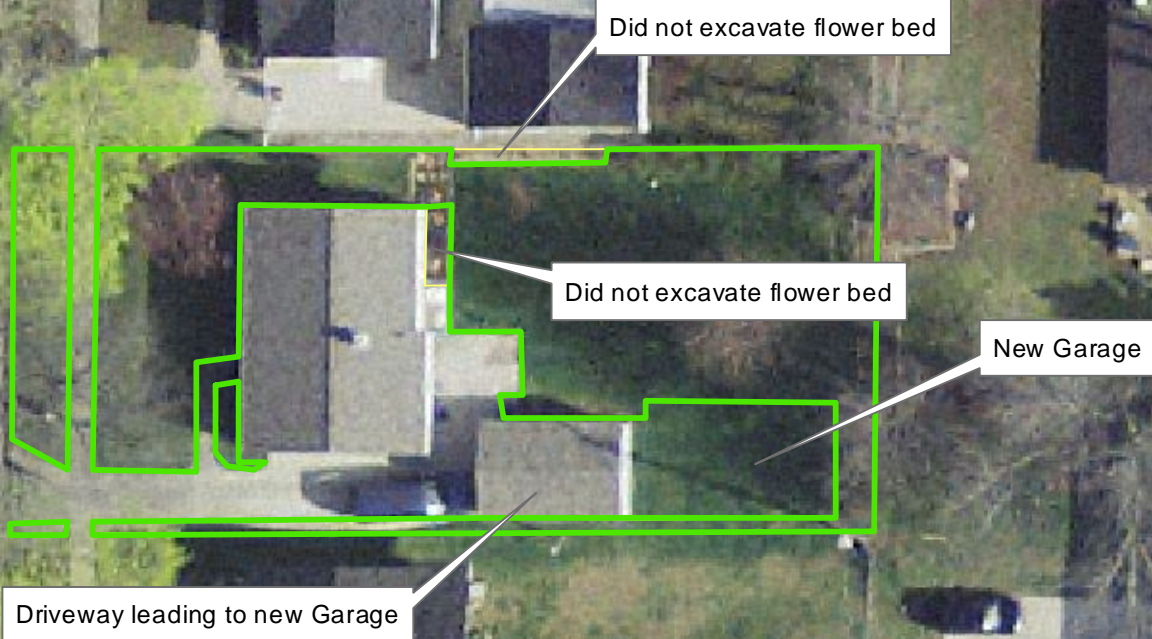
Gratings, and Frames of Construction Debris, Dirt,

and Trash.....Yes No N/A

Area Not Excavated:
Flower bed behind house: 46 sq. ft.
Flower bed next to fence: 56 sq. ft.

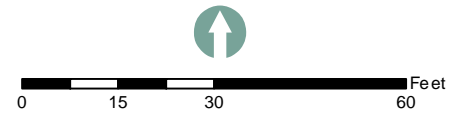
Yard Area:
Lawn
Outlawn

Not Included in Yard Area:
House
Garage (New)
Driveway (Includes new section)
Approach
Sidewalk



LEGEND
Remediated Area
Property

Total Yard Area: 4732 sq. ft.
Area Excavated: 4630 sq. ft.
Total Area Not Excavated: 102 sq. ft.



Parcel 14-15-40-016
Midland Resolution Soil Replacement

Dow Midland Soils Remedy Worksheet

Site Address: 1514 Iowa St.

Parcel: 14-15-40-016

Date: 4-Nov-13

Initial Soil Sample		Soil Remedy Result:
287	Soil Result (ppt)	REMEDY
<i>If < or = 220, No Remedy</i> <i>If > 280, Remedy</i> <i>If >220 but < or = 280, Test Replicates</i>		

Replicate Soil Samples		Soil Replicate Remedy Result:
--	Initial soil result (ppt)	--
--	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)	
<i>If > 250, Remedy</i> <i>If < or = 250, No Remedy</i>		

If Soil Remedy Required, Evaluate Indoor Dust:		Indoor Dust Remedy Result:
287	Initial soil result or 95% UCL if replicates were required (ppt)	NO REMEDY
4732	Area of yard (ft ²) (area as sampled)	
102	Area not remedied (ft ²)	
21	Surface Weighted Average (SWA) (ppt)	
2%	% Undisturbed Remaining Soil (URS)	
<u>5.50E-06</u>	<i>Risk is acceptable if < or = 10⁻⁵</i>	

CONSTRUCTION QUALITY ASSURANCE FORM

MIDLAND RESOLUTION CENTER

PROPERTY INFORMATION

Property Owner: James & Patricia Ladner	Property Address: 1514 Iowa St.
Contract Personnel: <ul style="list-style-type: none"> • Servinski • Fisher • Pats 	Contractor Equipment: <ul style="list-style-type: none"> • Servinski: Excavator, Bobcat • Fisher: Hand Tools • Pats: Trucks
Field Person: Gary Waugh	Date: 10/14/13

DESCRIPTION OF SOILS REMOVAL

Remediation Area (Sq Ft): 3195	Yards In: 195 * See Below	Yards Out: 240 * See Below
Description of Cut Depth: All soils within the remediation area square footage were removed to an average depth of 12 inches.		
Verification Method:	Measured depth of cut at excavation line	Date Verified/Initial: 10/14/13 GW
Describe soils remaining: No remaining soils		

DESCRIPTION OF FIELD ACTIVITIES:

Servinski/Fisher: The crew began and completed the soils dig out. Topsoil was imported placed and rough graded. Landscape beds were defined and the edging installed. Catch basin filters and silt fence were in place and in good condition.

* Yards Out:

240yds – Soil relocated to (Dow MIOPS Poseyville Landfill MAS Stockpile Area)

* Yards In:

195yds - Topsoil

Gary Waugh

10/14/13

Field Representative Signature

Date

Weather: Clear, 48 – 65, light winds

CONSTRUCTION QUALITY ASSURANCE FORM

MIDLAND RESOLUTION CENTER

PROPERTY INFORMATION

Property Owner: James & Patricia Ladner	Property Address: 1514 Iowa St.
Contract Personnel: <ul style="list-style-type: none"> • Servinski • Fisher • Kokaly • Sugar Construction • Reliable Plumbing 	Contractor Equipment: <ul style="list-style-type: none"> • Servinski: Bobcat • Fisher: Hand Tools • Kokaly: Hand Tools • Sugar: Hand Tools • Reliable: Hand Tools
Field Person: Gary Waugh	Date: 10/15/13

DESCRIPTION OF SOILS REMOVAL

Remediation Area (Sq Ft): 3195	Yards In: 14 * See Below	Yards Out:
Description of Cut Depth: All soils within the remediation area square footage were removed to an average depth of 12 inches.		
Verification Method:	Measured depth of cut at excavation line	Date Verified/Initial: 10/14/13 GW
Describe soils remaining: No remaining soils		

DESCRIPTION OF FIELD ACTIVITIES:

Sugar Construction: The crew installed the new wood privacy fence along the east property line.

Kokaly/Reliable: Reliable Plumbing installed the backflow preventer and the necessary plumbing to connect to the irrigation system. The Kokaly crew installed the irrigation system piping, low voltage wiring, valves and sprinkler heads.

Servinski/Fisher: The crew planted the shrubs and flowers, placed drainage stone and hardwood mulch in the appropriate bed. Sod was placed and trimmed and the irrigation system was turned on. The sprinkler heads were adjusted and the timer clock was programmed. A final site cleanup was performed. 1514 Iowa is complete pending a walk through with the property owner.

* Yards In:
 7yds – Drainage Stone
 7yds – Red Mulch

Gary Waugh

10/15/13

Field Representative Signature

Date

Weather: Clear, 43 – 65, breezy

Green Remediation Assurance Form
Midland Resolution

Property Information

Property Owner: James Ladner

Contract Personnel: Pat's Trucking, Servinski

Property Address: 1514 Iowa

Field Person: Gary Waugh

Date: 10/14/2013

Fuel Usage

Low Sulfur Diesel Used:.....Yes No N/A

Equipment

Tier 3 and Tier 4 Diesel Motors Manufactured

After 2006:.....Yes No N/A

Equipment Shut Off When Not In Use (No Idling):.....Yes No N/A

Equipment Inspected For Leaks, Seepages, ETC:.....Yes No N/A

Administrative

Vegetation and Plants Supplied Locally:.....Yes No N/A

Local Subcontractors Used:.....Yes No N/A

Borrow Pit Source Selected Closer to Project but Within

Mandated Radius Criteria:.....Yes No N/A

Waste Management

Waste Generated Recycled (0)%:.....Yes No N/A

Wood/Tree's Removed Chipped and Staged for Use

Along Tittabawasse River Flood Plain as Barrier

Or Dust Control:.....Yes No N/A

Landscaping/Perennial Plants Brought to Site in

Recyclable Pots that Will Be Collected and Reused

By Supplier:.....Yes No N/A

Project Controls

Recycled Newspaper Used as Binder for Hydroseeding

Portions:.....Yes No N/A

Geosynthetics Used on Property Access Area:.....Yes No N/A

Tarps Used on Trucks During Soil Removal:.....Yes No N/A

Tarps Used on Borrow Trucks:.....Yes No N/A

Active Dust Management System Used:.....Yes No N/A

Phosphate Free Fertilizers Used:.....Yes No N/A

Removed Soil Taken to Dow Plant For Reuse in Facility:....Yes No N/A

Use of Sod as the Preferred Revegetation Tool:.....Yes No N/A

Upgrading Irrigation Controls to Include a Rain Sensor:.....Yes No N/A

Preprogramming Irrigation System to Water Only at

Prescribed Rates and Times:.....Yes No N/A

Reuse Existing Concrete Foundations When Possible...Yes No N/A

Use Water Efficient Landscaping.....Yes No N/A

Clean Manholes, Curb Inlets, Drop Inlets, Trench Drains,

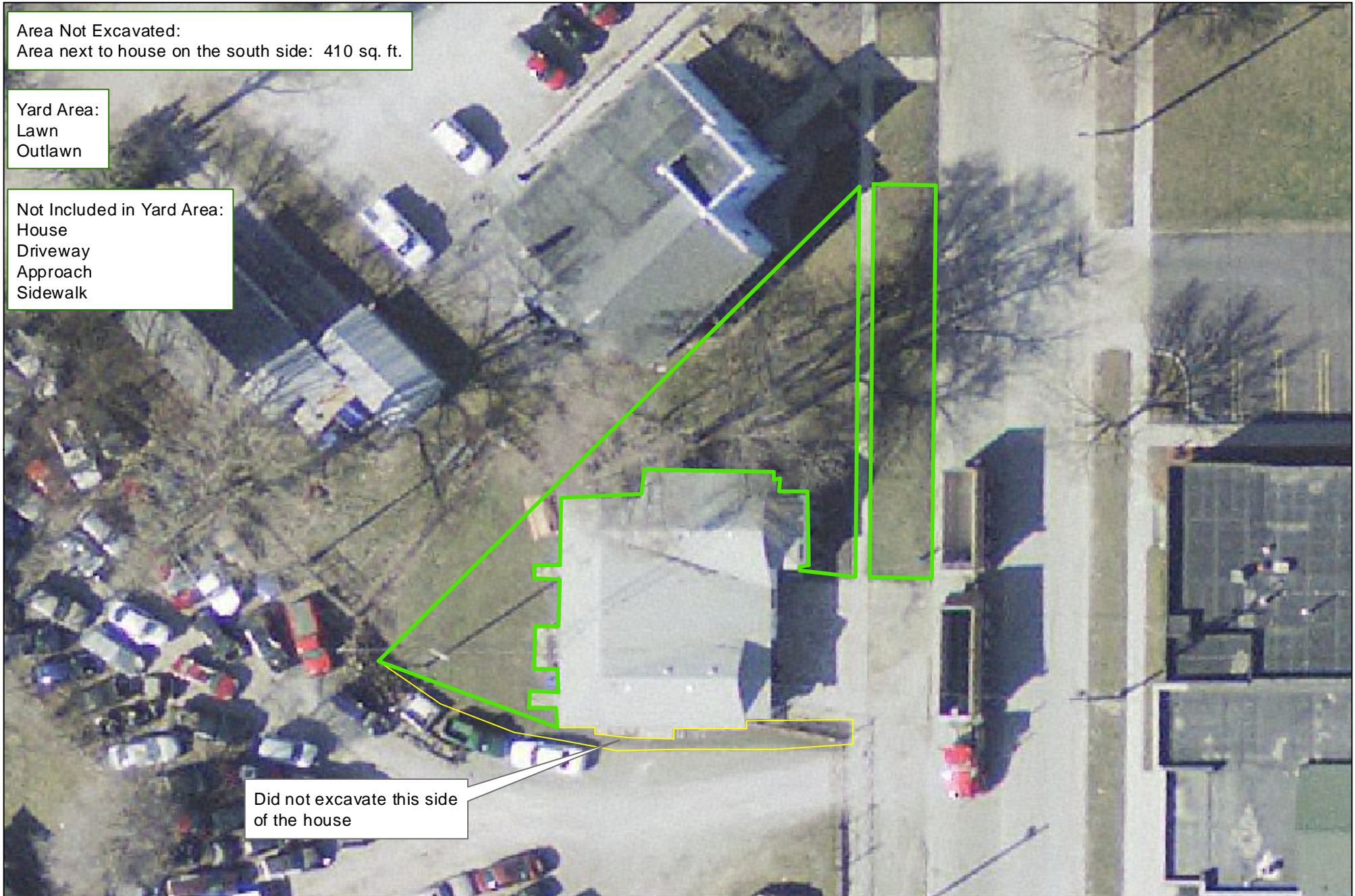
Gratings, and Frames of Construction Debris, Dirt,

and Trash.....Yes No N/A

Area Not Excavated:
Area next to house on the south side: 410 sq. ft.

Yard Area:
Lawn
Outlawn

Not Included in Yard Area:
House
Driveway
Approach
Sidewalk



Did not excavate this side
of the house



MIDLAND RESOLUTION

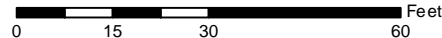
LEGEND

- Remediated Area
- Property

Total Yard Area:
5296 sq. ft.

Area Excavated:
4886 sq. ft.

Total Area Not Excavated:
410 sq. ft.



Parcel 14-21-10-024
Midland Resolution Sampling Plan

CONSTRUCTION QUALITY ASSURANCE FORM

MIDLAND RESOLUTION CENTER

PROPERTY INFORMATION

Property Owner: Wayne Beehrs	Property Address: 1007 Jefferson
Contract Personnel: <ul style="list-style-type: none"> • Servinski • Fisher • Pats 	Contractor Equipment: <ul style="list-style-type: none"> • Servinski: Excavator, Bobcat • Fisher: Hand Tools • Pats: Trucks
Field Person: Gary Waugh	Date: 9/25/13

DESCRIPTION OF SOILS REMOVAL

Remediation Area (Sq Ft): 3510	Yards In:	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 Method:	Measured depth of cut at excavation line	Date Verified/Initial: 9/25/13 GW
Describe soils remaining: No remaining soils		

DESCRIPTION OF FIELD ACTIVITIES:

Servinski/Fisher: The crew began and completed the soils dig out today. The property is relatively small in size with good access. Bobcats were used to excavate and move the soils to the rear of the property where the trucks were loaded with an excavator. The hydro seeder was used to apply water to the soils during excavation and load out to control dust. Catch basin filters and silt fence were in place and in good condition.

* Yards Out:

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

Gary Waugh

9/25/13

Field Representative Signature

Date

Weather: Clear, 48 – 68, light winds

CONSTRUCTION QUALITY ASSURANCE FORM

MIDLAND RESOLUTION CENTER

PROPERTY INFORMATION

Property Owner: Wayne Beehrs	Property Address: 1007 Jefferson
Contract Personnel: <ul style="list-style-type: none"> • Servinski • Fisher • Pats 	Contractor Equipment: <ul style="list-style-type: none"> • Servinski: Excavator, Bobcat • Fisher: Hand Tools • Pats: Trucks
Field Person: Gary Waugh	Date: 9/26/13

DESCRIPTION OF SOILS REMOVAL

Remediation Area (Sq Ft): 3510	Yards In: 195 * 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 Method:	Measured depth of cut at excavation line	Date Verified/Initial: 9/25/13 GW
Describe soils remaining: No remaining soils		

DESCRIPTION OF FIELD ACTIVITIES:

Servinski/Fisher: Topsoil was imported placed and graded. Landscape beds were laid out and edging was installed. Shrubs and flowers were planted and drainage stone placed in the beds. The topsoil was then final prepped and hand raked. Sod was placed and trimmed. Note: No irrigation system was required for this property. A final site cleanup was performed. The catch basin filters and silt fence were removed. 1007 Jefferson is complete pending a walk through with the property owner.

- * Yards In:
- 195yds – Topsoil
 - 4yds – Drainage Stone
 - 3.5yds – Stone Mix

Gary Waugh

9/26/13

Field Representative Signature

Date

Weather: Clear, 50 – 70, light winds

Green Remediation Assurance Form
Midland Resolution

Property Information

Property Owner: Wayne Beehrs Contract Personnel: Pat's Trucking, Servinski
Property Address: 1007 Jefferson St.
Field Person: Gary Waugh Date: 9/26/2013

Fuel Usage

Low Sulfur Diesel Used:.....Yes No N/A

Equipment

Tier 3 and Tier 4 Diesel Motors Manufactured
After 2006:.....Yes No N/A
Equipment Shut Off When Not In Use (No Idling):.....Yes No N/A
Equipment Inspected For Leaks, Seepages, ETC:.....Yes No N/A

Administrative

Vegetation and Plants Supplied Locally:.....Yes No N/A
Local Subcontractors Used:.....Yes No N/A
Borrow Pit Source Selected Closer to Project but Within
Mandated Radius Criteria:.....Yes No N/A

Waste Management

Waste Generated Recycled (0)%:.....Yes No N/A
Wood/Tree's Removed Chipped and Staged for Use
Along Tittabawasse River Flood Plain as Barrier
Or Dust Control:.....Yes No N/A
Landscaping/Perennial Plants Brought to Site in
Recyclable Pots that Will Be Collected and Reused
By Supplier:.....Yes No N/A

Project Controls

Recycled Newspaper Used as Binder for Hydroseeding
Portions:.....Yes No N/A
Geosynthetics Used on Property Access Area:.....Yes No N/A
Tarps Used on Trucks During Soil Removal:.....Yes No N/A
Tarps Used on Borrow Trucks:.....Yes No N/A
Active Dust Management System Used:.....Yes No N/A
Phosphate Free Fertilizers Used:.....Yes No N/A
Removed Soil Taken to Dow Plant For Reuse in Facility:....Yes No N/A
Use of Sod as the Preferred Revegetation Tool:.....Yes No N/A
Upgrading Irrigation Controls to Include a Rain Sensor:.....Yes No N/A
Preprogramming Irrigation System to Water Only at
Prescribed Rates and Times:.....Yes No N/A
Reuse Existing Concrete Foundations When Possible...Yes No N/A
Use Water Efficient Landscaping.....Yes No N/A
Clean Manholes, Curb Inlets, Drop Inlets, Trench Drains,
Gratings, and Frames of Construction Debris, Dirt,
and Trash.....Yes No N/A

Area Not Remediated:
All Excavated

Yard Area:
Lawn
Outlawn
Some Walkways

Not Included in Yard Area:
House
Garage
Driveway
Sidewalk

Excavated and Replaced Walkway
(Damaged during construction)

Excavated and Replaced Walkway
(Damaged during construction)



MIDLAND RESOLUTION

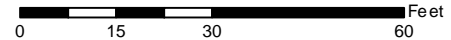
LEGEND

- Remediated Area
- Property

Total Yard Area:
4270 sq. ft.

Area Excavated:
4270 sq. ft.

Total Area Not Excavated:
0 sq. ft.



Parcel 14-15-50-746
Midland Resolution Soil Replacement

Dow Midland Soils Remedy Worksheet

Site Address: 1302 Jefferson Ave.

Parcel: 14-15-50-746

Date: 4-Nov-13

Initial Soil Sample		Soil Remedy Result:
373	Soil Result (ppt)	REMEDY
<i>If < or = 220, No Remedy</i> <i>If > 280, Remedy</i> <i>If >220 but < or = 280, Test Replicates</i>		

Replicate Soil Samples		Soil Replicate Remedy Result:
--	Initial soil result (ppt)	--
--	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)	
<i>If > 250, Remedy</i> <i>If < or = 250, No Remedy</i>		

If Soil Remedy Required, Evaluate Indoor Dust:		Indoor Dust Remedy Result:
373	Initial soil result or 95% UCL if replicates were required (ppt)	NO REMEDY
4270	Area of yard (ft ²) (area as sampled)	
0	Area not remedied (ft ²)	
15	Surface Weighted Average (SWA) (ppt)	
0%	% Undisturbed Remaining Soil (URS)	
6.89E-06	<i>Risk is acceptable if < or = 10⁻⁵</i>	

CONSTRUCTION QUALITY ASSURANCE FORM

MIDLAND RESOLUTION CENTER

PROPERTY INFORMATION

Property Owner: Dick & Hazel Mitchell	Property Address: 1302 Jefferson
Contract Personnel: <ul style="list-style-type: none"> • Kappen Tree Service – 6/6/13 • Servinski • Fisher • M & M 	Contractor Equipment: <ul style="list-style-type: none"> • Kappen: Bucket Truck, Chipper, Log Truck • Servinski: Mini Excavator, Bobcats • Fisher: Hand Tools • M & M: Stump Grinder
Field Person: Gary Waugh	Date: 6/17/13

DESCRIPTION OF SOILS REMOVAL

Remediation Area (Sq Ft): 4104	Yards In: 0	Yards Out: 240 *See Below
Description of Cut Depth: All soils within the remediation area square footage were removed to an average depth of 12 inches.		
Verification Method:	Measured cut depth at excavation line	Date Verified/Initial: 6/17/13 GW
Describe soils remaining: No remaining soils.		

DESCRIPTION OF FIELD ACTIVITIES:

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

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

Servinski/Fisher: Began and completed the soils dig out. Due to limited access and the high traffic volume of Patrick and Jefferson streets, the excavated soils were hauled to the back yard area of 115 Patrick. Trucks were backed in off of Lincoln Street and loaded. At the end of the work day silt fence was installed at the curb line along Jefferson and Patrick Streets. The site was cleaned up and barricades were placed as needed.

* Yard Out:

15yrs – Concrete and debris were hauled to (Midland City Landfill) for disposal

225yrs – Soil relocated to the (MIOPS Dow WIF project)

Gary Waugh

6/17/13

Field Representative Signature

Date

Weather: Partly Cloudy, 64 -75, calm winds

CONSTRUCTION QUALITY ASSURANCE FORM

MIDLAND RESOLUTION CENTER

PROPERTY INFORMATION

Property Owner: Dick & Hazel Mitchell	Property Address: 1302 Jefferson
Contract Personnel: <ul style="list-style-type: none"> • Servinski • Fisher 	Contractor Equipment: <ul style="list-style-type: none"> • Servinski: Mini Excavator, Bobcats • Fisher: Hand Tools
Field Person: Gary Waugh	Date: 6/18/13

DESCRIPTION OF SOILS REMOVAL

Remediation Area (Sq Ft): 4104	Yards In: 180 *See Below	Yards Out: 15 *See Below
Description of Cut Depth: All soils within the remediation area square footage were removed to an average depth of 12 inches.		
Verification Method:	Measured cut depth at excavation line	Date Verified/Initial: 6/17/13 GW
Describe soils remaining: No remaining soils.		

DESCRIPTION OF FIELD ACTIVITIES:

Servinski/Fisher: Began and completed importing, placing and grading the topsoil. Due to limited access and the high traffic volume of Patrick and Jefferson streets, the topsoil was hauled from the back yard area of 115 Patrick. Trucks were backed in off of Lincoln Street and dumped. At the end of the work day silt fence was installed at the curb line along Jefferson and Patrick Streets. The site was cleaned up and barricades were placed as needed.

*** Yard Out:**

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

*** Yards In:**

180yrds - Topsoil

Gary Waugh

6/18/13

Field Representative Signature

Date

Weather: Clear, 58 -71, breezy

CONSTRUCTION QUALITY ASSURANCE FORM

MIDLAND RESOLUTION CENTER

PROPERTY INFORMATION

Property Owner: Dick & Hazel Mitchell	Property Address: 1302 Jefferson
Contract Personnel: <ul style="list-style-type: none"> • Servinski • Fisher • Sugar Construction • Reliable Plumbing • Kokaly 	Contractor Equipment: <ul style="list-style-type: none"> • Servinski: Mini Excavator, Bobcats • Fisher: Hand Tools • Sugar: Hand Tools • Reliable: Hand Tools • Kokaly: Hand Tools
Field Person: Gary Waugh	Date: 6/19/13

DESCRIPTION OF SOILS REMOVAL

Remediation Area (Sq Ft): 4104	Yards In: 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 Method:	Measured cut depth at excavation line	Date Verified/Initial: 6/17/13 GW
Describe soils remaining: No remaining soils.		

DESCRIPTION OF FIELD ACTIVITIES:

Sugar Construction: Poured concrete for the new service sidewalk from the front porch to the city side walk, 4ft x 30ft.

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

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

Servinski/Fisher: Installed landscape edging and planted the shrubs, flowers and tree. At the end of the work day silt fence was installed at the curb line along Jefferson and Patrick Streets. The site was cleaned up and barricades were placed as needed.

Gary Waugh

6/19/13

Field Representative Signature

Date

Weather: Clear, 46 -75, light winds

CONSTRUCTION QUALITY ASSURANCE FORM

MIDLAND RESOLUTION CENTER

PROPERTY INFORMATION

Property Owner: Dick & Hazel Mitchell	Property Address: 1302 Jefferson
Contract Personnel: <ul style="list-style-type: none"> Servinski Fisher Sugar Construction 	Contractor Equipment: <ul style="list-style-type: none"> Servinski: Mini Excavator, Bobcats Fisher: Hand Tools Sugar: Hand Tools
Field Person: Gary Waugh	Date: 6/0/13

DESCRIPTION OF SOILS REMOVAL

Remediation Area (Sq Ft): 4104	Yards In: 9 *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 Method:	Measured cut depth at excavation line	Date Verified/Initial: 6/17/13 GW
Describe soils remaining: No remaining soils.		

DESCRIPTION OF FIELD ACTIVITIES:

Sugar Construction: Constructed new steps for the front porch.

Servinski/Fisher: Assisted the Sugar Construction crew as needed. Topsoil was final prepped and drainage stone was placed in the landscape beds. At the end of the work day silt fence was installed at the curb line along Jefferson and Patrick Streets. The site was cleaned up and barricades were placed as needed.

* Yards In:
9yds – Drainage Stone

Gary Waugh

6/20/13

Field Representative Signature

Date

Weather: Clear, 48 -80, light winds

CONSTRUCTION QUALITY ASSURANCE FORM MIDLAND RESOLUTION CENTER

PROPERTY INFORMATION

Property Owner: Dick & Hazel Mitchell	Property Address: 1302 Jefferson
Contract Personnel: <ul style="list-style-type: none"> • Servinski • Fisher 	Contractor Equipment: <ul style="list-style-type: none"> • Servinski: Mini Excavator, Bobcats • Fisher: Hand Tools
Field Person: Gary Waugh	Date: 6/0/13

DESCRIPTION OF SOILS REMOVAL

Remediation Area (Sq Ft): 4104	Yards In: 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 Method:	Measured cut depth at excavation line	Date Verified/Initial: 6/17/13 GW
Describe soils remaining: No remaining soils.		

DESCRIPTION OF FIELD ACTIVITIES:

Servinski/Fisher: Topsoil was final prepped and the sod was placed. A site cleanup was performed. 1302 Jefferson is complete pending a final walk through with the property owner.

Gary Waugh

6/21/13

Field Representative Signature

Date

Weather: Clear, 62 -85, light winds

Green Remediation Assurance Form
Midland Resolution

Property Information

Property Owner: Dick & Hazel Mitchell Contract Personnel: Pat's Trucking, Servinski
Property Address: 1302 Jefferson St.
Field Person: Gary Waugh Date: 6/20/2013

Fuel Usage

Low Sulfur Diesel Used:.....Yes No N/A

Equipment

Tier 3 and Tier 4 Diesel Motors Manufactured
After 2006:.....Yes No N/A
Equipment Shut Off When Not In Use (No Idling):.....Yes No N/A
Equipment Inspected For Leaks, Seepages, ETC:.....Yes No N/A

Administrative

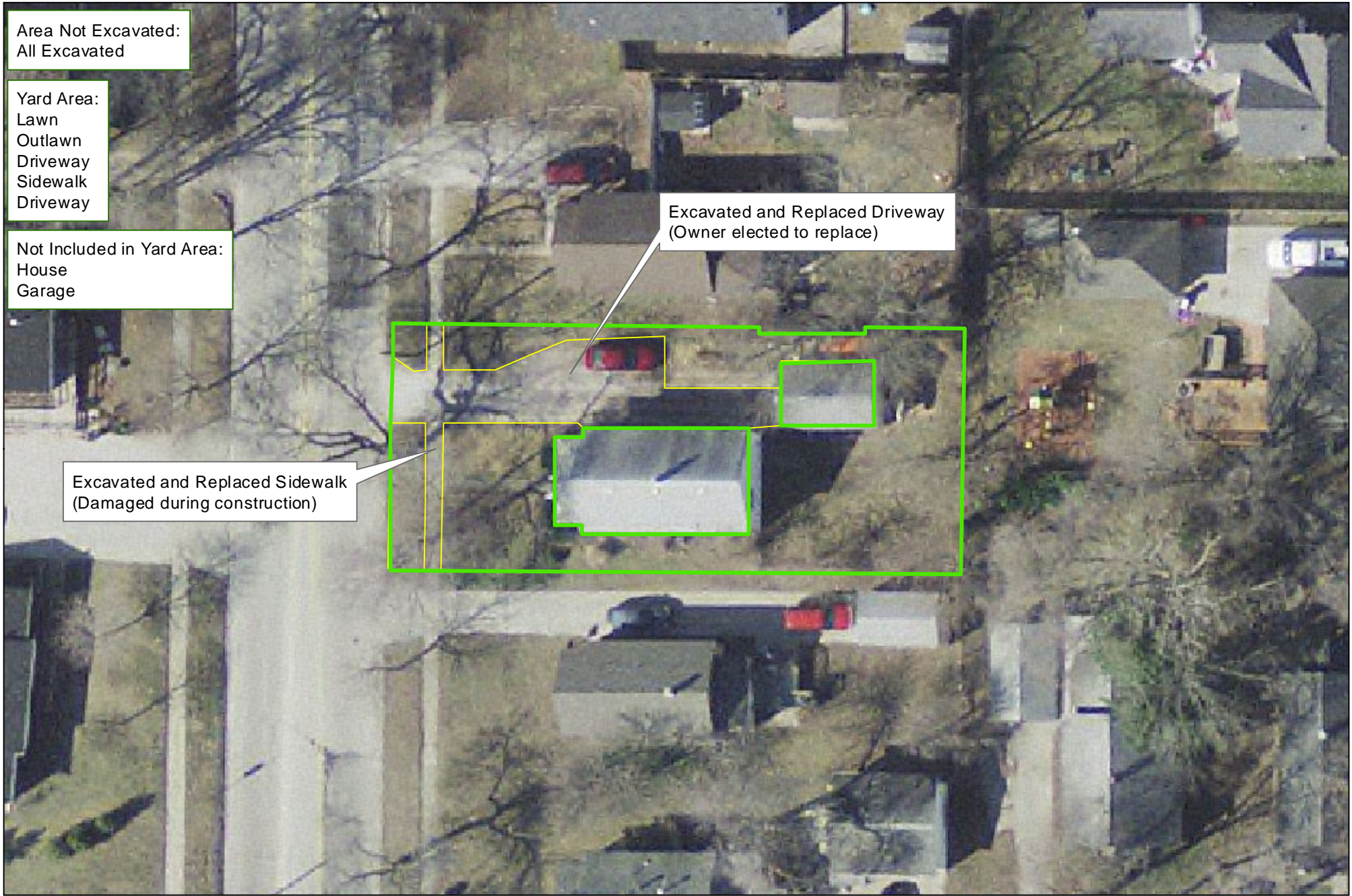
Vegetation and Plants Supplied Locally:.....Yes No N/A
Local Subcontractors Used:.....Yes No N/A
Borrow Pit Source Selected Closer to Project but Within
Mandated Radius Criteria:.....Yes No N/A

Waste Management

Waste Generated Recycled (0)%:.....Yes No N/A
Wood/Tree's Removed Chipped and Staged for Use
Along Tittabawasse River Flood Plain as Barrier
Or Dust Control:.....Yes No N/A
Landscaping/Perennial Plants Brought to Site in
Recyclable Pots that Will Be Collected and Reused
By Supplier:.....Yes No N/A

Project Controls

Recycled Newspaper Used as Binder for Hydroseeding
Portions:.....Yes No N/A
Geosynthetics Used on Property Access Area:.....Yes No N/A
Tarps Used on Trucks During Soil Removal:.....Yes No N/A
Tarps Used on Borrow Trucks:.....Yes No N/A
Active Dust Management System Used:.....Yes No N/A
Phosphate Free Fertilizers Used:.....Yes No N/A
Removed Soil Taken to Dow Plant For Reuse in Facility:.... Yes No N/A
Use of Sod as the Preferred Revegetation Tool:.....Yes No N/A
Upgrading Irrigation Controls to Include a Rain Sensor:.....Yes No N/A
Preprogramming Irrigation System to Water Only at
Prescribed Rates and Times:.....Yes No N/A
Reuse Existing Concrete Foundations When Possible... Yes No N/A
Use Water Efficient Landscaping.....Yes No N/A
Clean Manholes, Curb Inlets, Drop Inlets, Trench Drains,
Gratings, and Frames of Construction Debris, Dirt,
and Trash.....Yes No N/A



Area Not Excavated:
All Excavated

Yard Area:
Lawn
Outlawn
Driveway
Sidewalk
Driveway

Not Included in Yard Area:
House
Garage

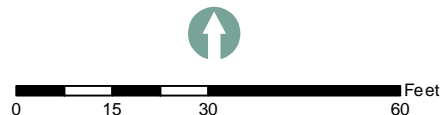
Excavated and Replaced Driveway
(Owner elected to replace)

Excavated and Replaced Sidewalk
(Damaged during construction)



LEGEND
Remediated Area
Property

Total Yard Area: 6426 sq. ft.
Area Excavated: 6426 sq. ft.
Total Area Not Excavated: 0 sq. ft.



Parcel 14-15-50-742
Midland Resolution Soil Replacement

Dow Midland Soils Remedy Worksheet

Site Address: 1310 Jefferson Ave.

Parcel: 14-15-50-742

Date: 4-Nov-13

Initial Soil Sample		Soil Remedy Result:
342	Soil Result (ppt)	REMEDY
<i>If < or = 220, No Remedy</i> <i>If > 280, Remedy</i> <i>If >220 but < or = 280, Test Replicates</i>		

Replicate Soil Samples		Soil Replicate Remedy Result:
--	Initial soil result (ppt)	--
--	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)	
<i>If > 250, Remedy</i> <i>If < or = 250, No Remedy</i>		

If Soil Remedy Required, Evaluate Indoor Dust:		Indoor Dust Remedy Result:
342	Initial soil result or 95% UCL if replicates were required (ppt)	NO REMEDY
6426	Area of yard (ft ²) (area as sampled)	
0	Area not remedied (ft ²)	
15	Surface Weighted Average (SWA) (ppt)	
0%	% Undisturbed Remaining Soil (URS)	
6.34E-06	<i>Risk is acceptable if < or = 10⁻⁵</i>	

CONSTRUCTION QUALITY ASSURANCE FORM MIDLAND RESOLUTION CENTER

PROPERTY INFORMATION

Property Owner: Steve & Mary Griffin	Property Address: 1310 Jefferson St.
Contract Personnel: <ul style="list-style-type: none"> • Kappen Tree Service – 6/6/13 • Servinski • Fisher • M & M 	Contractor Equipment: <ul style="list-style-type: none"> • Kappen: Bucket Truck, Boom Crane, Log Truck, Stinger, Chipper • Servinski: Excavator, Mini Excavator, Bobcats • Fisher: Hand Tools • M & M: Stump Grinder
Field Person: Gary Waugh	Date: 6/12/13

DESCRIPTION OF SOILS REMOVAL

Remediation Area (Sq Ft): 4851	Yards In: 12 * See Below	Yards Out: 154 *See Below
Description of Cut Depth: All soils within the remediation area were removed to an average depth of 12 inches.		
Verification Method:	Laser level used to verify cut depth	Date Verified/Initial: GW 6/12/13
Describe soils remaining: No remaining soils.		

DESCRIPTION OF FIELD ACTIVITIES:

Kappen Tree Service: Was onsite 6/6/13 and removed the select trees. Wood chips and tree logs were hauled to the Allied staging area.

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

Servinski/Fisher: Began the soils dig out. Sand was imported and placed for the proposed service sidewalk along the garage. Silt fence was installed at the curb line along Jefferson St.

* Yards Out:

5ydrs – Concrete and debris hauled to (Midland City Landfill) for disposal
 149ydrs – Soil relocated to (Salzburg Landfill MAS Stockpile Area)

* Yards In:

12ydrs - Sand

Gary Waugh

6/12/13

Field Representative Signature

Date

Weather: Clear, 63 – 77, light winds

CONSTRUCTION QUALITY ASSURANCE FORM

MIDLAND RESOLUTION CENTER

PROPERTY INFORMATION

Property Owner: Steve & Mary Griffin	Property Address: 1310 Jefferson St.
Contract Personnel: <ul style="list-style-type: none"> • Servinski • Fisher • Sugar Construction • Reliable Plumbing 	Contractor Equipment: <ul style="list-style-type: none"> • Servinski: Excavator, Mini Excavator, Bobcats • Fisher: Hand Tools • Sugar: Hand Tools • Reliable: Hand Tools
Field Person: Gary Waugh	Date: 6/13/13

DESCRIPTION OF SOILS REMOVAL

Remediation Area (Sq Ft): 4851	Yards In: 167 * See Below	Yards Out: 120 *See Below
Description of Cut Depth: All soils within the remediation area were removed to an average depth of 12 inches.		
Verification Method:	Laser level used to verify cut depth	Date Verified/Initial: GW 6/13/13
Describe soils remaining: No remaining soils.		

DESCRIPTION OF FIELD ACTIVITIES:

Sugar Construction: Formed and poured the concrete for the new service sidewalk along the garage 3ft x 27ft.

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

Servinski/Fisher: Completed the soils dig out. The majority of the topsoil was imported, placed and graded. The crew also assisted Sugar Construction with grading and sand backfill for the new driveway. Silt fence was installed at the curb line along Jefferson St.

*** Yards Out:**

- 35yrds – Concrete and debris hauled to (Midland City Landfill) for disposal
- 91yrds – Soil relocated to (Salzburg Landfill MAS Stockpile Area)

*** Yards In:**

- 33yrds - Sand
- 134yrds - Topsoil

**CONSTRUCTION QUALITY ASSURANCE FORM
MIDLAND RESOLUTION CENTER**

DESCRIPTION OF FIELD ACTIVITIES – CONTINUED:

Gary Waugh

6/13/13

Field Representative Signature

Date

Weather: Clear, 62 – 78, light winds

CONSTRUCTION QUALITY ASSURANCE FORM MIDLAND RESOLUTION CENTER

PROPERTY INFORMATION

Property Owner: Steve & Mary Griffin	Property Address: 1310 Jefferson St.
Contract Personnel: <ul style="list-style-type: none"> • Servinski • Fisher • Sugar Construction • Kokaly 	Contractor Equipment: <ul style="list-style-type: none"> • Servinski: Excavator, Mini Excavator, Bobcats • Fisher: Hand Tools • Sugar: Hand Tools • Kokaly: Hand Tools
Field Person: Gary Waugh	Date: 6/14/13

DESCRIPTION OF SOILS REMOVAL

Remediation Area (Sq Ft): 4851	Yards In: 27 * See Below	Yards Out: 0
Description of Cut Depth: All soils within the remediation area were removed to an average depth of 12 inches.		
Verification Method:	Laser level used to verify cut depth	Date Verified/Initial: GW 6/13/13
Describe soils remaining: No remaining soils.		

DESCRIPTION OF FIELD ACTIVITIES:

Sugar Construction: Poured the concrete for the new driveway 20ft x 80ft, front service sidewalk 4ft x 25ft and a section of city sidewalk 4ft x 55ft.

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

Servinski/Fisher: Topsoil was final graded and prepped for sod. Landscape beds were defined and edging was installed. Trees and shrubs were planted, drainage stone and hardwood mulch was placed in the appropriate bed. Silt fence was removed and a final site cleanup performed. 1310 Jefferson is complete pending a final walk through with the home owner.

* Yards In:

- 5yds - Topsoil
- 5yds - Sand
- 5yds - Drainage Stone
- 12yds - Hardwood Mulch

Gary Waugh

6/14/13

Field Representative Signature

Date

Weather: Clear, 62 – 77, light winds

Green Remediation Assurance Form
Midland Resolution

Property Information

Property Owner: Steve & Mary Griffin Contract Personnel: Pat's Trucking, Servinski
Property Address: 1310 Jefferson St.
Field Person: Gary Waugh Date: 6/13/2013

Fuel Usage

Low Sulfur Diesel Used:.....Yes No N/A

Equipment

Tier 3 and Tier 4 Diesel Motors Manufactured
After 2006:.....Yes No N/A
Equipment Shut Off When Not In Use (No Idling):.....Yes No N/A
Equipment Inspected For Leaks, Seepages, ETC:.....Yes No N/A

Administrative

Vegetation and Plants Supplied Locally:.....Yes No N/A
Local Subcontractors Used:.....Yes No N/A
Borrow Pit Source Selected Closer to Project but Within
Mandated Radius Criteria:.....Yes No N/A

Waste Management

Waste Generated Recycled (0)%:.....Yes No N/A
Wood/Tree's Removed Chipped and Staged for Use
Along Tittabawasse River Flood Plain as Barrier
Or Dust Control:.....Yes No N/A
Landscaping/Perennial Plants Brought to Site in
Recyclable Pots that Will Be Collected and Reused
By Supplier:.....Yes No N/A

Project Controls

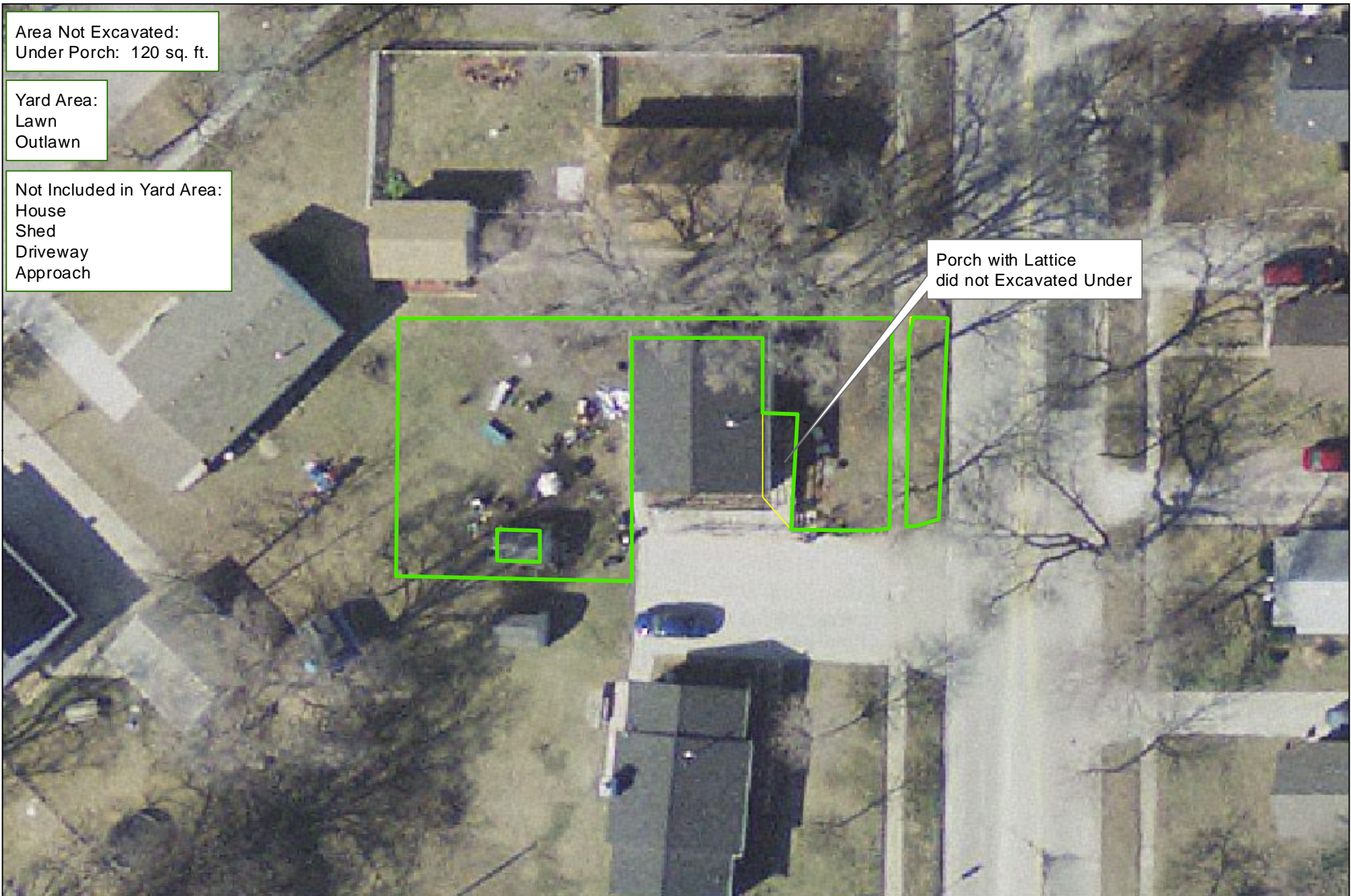
Recycled Newspaper Used as Binder for Hydroseeding
Portions:.....Yes No N/A
Geosynthetics Used on Property Access Area:.....Yes No N/A
Tarps Used on Trucks During Soil Removal:.....Yes No N/A
Tarps Used on Borrow Trucks:.....Yes No N/A
Active Dust Management System Used:.....Yes No N/A
Phosphate Free Fertilizers Used:.....Yes No N/A
Removed Soil Taken to Dow Plant For Reuse in Facility:.... Yes No N/A
Use of Sod as the Preferred Revegetation Tool:.....Yes No N/A
Upgrading Irrigation Controls to Include a Rain Sensor:.....Yes No N/A
Preprogramming Irrigation System to Water Only at
Prescribed Rates and Times:.....Yes No N/A
Reuse Existing Concrete Foundations When Possible... Yes No N/A
Use Water Efficient Landscaping.....Yes No N/A
Clean Manholes, Curb Inlets, Drop Inlets, Trench Drains,
Gratings, and Frames of Construction Debris, Dirt,
and Trash.....Yes No N/A

Area Not Excavated:
Under Porch: 120 sq. ft.

Yard Area:
Lawn
Outlawn

Not Included in Yard Area:
House
Shed
Driveway
Approach

Porch with Lattice
did not Excavated Under



MIDLAND RESOLUTION

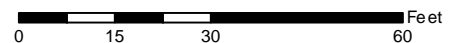
LEGEND

- Remediated Area
- Property

Total Yard Area:
5053 sq. ft.

Area Excavated:
4933 sq. ft.

Total Area Not Excavated:
120 sq. ft.



Parcel 14-16-40-068
Midland Resolution Soil Replacement

Dow Midland Soils Remedy Worksheet

Site Address: 1311 Jefferson Ave.

Parcel: 14-16-40-068

Date: 4-Nov-13

Initial Soil Sample		Soil Remedy Result:
359	Soil Result (ppt)	REMEDY
<i>If < or = 220, No Remedy</i> <i>If > 280, Remedy</i> <i>If >220 but < or = 280, Test Replicates</i>		

Replicate Soil Samples		Soil Replicate Remedy Result:
--	Initial soil result (ppt)	--
--	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)	
<i>If > 250, Remedy</i> <i>If < or = 250, No Remedy</i>		

If Soil Remedy Required, Evaluate Indoor Dust:		Indoor Dust Remedy Result:
359	Initial soil result or 95% UCL if replicates were required (ppt)	NO REMEDY
5053	Area of yard (ft ²) (area as sampled)	
120	Area not remedied (ft ²)	
23	Surface Weighted Average (SWA) (ppt)	
2%	% Undisturbed Remaining Soil (URS)	
6.81E-06	<i>Risk is acceptable if < or = 10⁻⁵</i>	

CONSTRUCTION QUALITY ASSURANCE FORM

MIDLAND RESOLUTION CENTER

PROPERTY INFORMATION

Property Owner:	Property Address: .1311/1315 Jefferson
Contract Personnel: <ul style="list-style-type: none"> • Kappen Tree Service – 7/15/13 • Servinski • Fisher • Pats 	Contractor Equipment: <ul style="list-style-type: none"> • Kappen: Bucket Truck, Chipper, Log Truck, crane • Servinski: Excavator, 2 Bobcat, mini excavator • Fisher: Hand Tools • Pats: 3 Truck
Field Person: Scott Madill/Gary Waugh	Date: 7/26/13

DESCRIPTION OF SOILS REMOVAL

Remediation Area (Sq Ft):	Yards In: * See Below	Yards Out: * See Below
Description of Cut Depth: All soils within the remediation area square footage were removed to an average depth of 12 inches		
Verification Method:	Verified cut depth by measuring along excavation line	Date Verified/Initial: 7/26/13 GW SS
Describe soils remaining: No remaining soils, all soils were removed.		

DESCRIPTION OF FIELD ACTIVITIES:

Kappen Tree Service: Was on site week of 7/15/13 and removed 6 elms adjacent to house along driveway. Wood chips and logs were hauled to the Allied staging area.

Servinski/Fisher: 1315/1311 Jefferson – Final grading topsoil in both properties. Placed sod 1315 Jefferson and hydroseeded 1311 Jefferson. Finished privacy fence 1315 Jefferson. The street sweeper cleaned along Jefferson and Haley.

* Yard Out:

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

* In:

420 yrds - Topsoil

DESCRIPTION OF FIELD ACTIVITIES – CONTINUED:

**CONSTRUCTION QUALITY ASSURANCE FORM
MIDLAND RESOLUTION CENTER**

Scott Madill

7/26/13

Field Representative Signature

Date

Weather: Partly cloudy, 52-82, light winds

PROPERTY INFORMATION

CONSTRUCTION QUALITY ASSURANCE FORM

MIDLAND RESOLUTION CENTER

PROPERTY INFORMATION

Property Owner:	Property Address: .1311/1315 Jefferson
Contract Personnel: <ul style="list-style-type: none"> • Kappen Tree Service – 7/15/13 • Servinski • Fisher • Pats 	Contractor Equipment: <ul style="list-style-type: none"> • Kappen: Bucket Truck, Chipper, Log Truck, crane • Servinski: Excavator, 2 Bobcat, mini excavator • Fisher: Hand Tools • Pats: 3 Truck • Kookly Irrigation
Field Person: Scott Madill/Gary Waugh	Date: 7/25/13

DESCRIPTION OF SOILS REMOVAL

Remediation Area (Sq Ft):	Yards In: * See Below	Yards Out: * See Below
Description of Cut Depth: All soils within the remediation area square footage were removed to an average depth of 12 inches		
Verification Method:	Verified cut depth by measuring along excavation line	Date Verified/Initial: 7/25/13 GW SS
Describe soils remaining: No remaining soils, all soils were removed.		

DESCRIPTION OF FIELD ACTIVITIES:

Kappen Tree Service: Was on site week of 7/15/13 and removed 6 elms adjacent to house along driveway. Wood chips and logs were hauled to the Allied staging area. Continued tree work at 400 Arbury, 6 dead maples and bush hogging scrub brush. Using woodchips to maintain road and dust.

Servinski/Fisher: 1315/1311 Jefferson – Finished topsoil in both properties, and formed drive on 1315 Jefferson. Soil was placed via bobcat and graded. Poured concrete drive and started privacy fence 1315 Jefferson. Placed irrigation systems and plumbing both properties. The street sweeper cleaned along Jefferson and Haley.

* Yard Out:

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

* In:

420 yrds - Topsoil

**CONSTRUCTION QUALITY ASSURANCE FORM
MIDLAND RESOLUTION CENTER**

DESCRIPTION OF FIELD ACTIVITIES – CONTINUED:

Scott Madill

7/25/13

Field Representative Signature

Date

Weather: Partly cloudy, 52-82, light winds

CONSTRUCTION QUALITY ASSURANCE FORM

MIDLAND RESOLUTION CENTER

PROPERTY INFORMATION

Property Owner:	Property Address: .1311/1315 Jefferson
Contract Personnel: <ul style="list-style-type: none"> • Kappen Tree Service – 7/15/13 • Servinski • Fisher • Pats 	Contractor Equipment: <ul style="list-style-type: none"> • Kappen: Bucket Truck, Chipper, Log Truck, crane • Servinski: Excavator, 2 Bobcat, mini excavator • Fisher: Hand Tools • Pats: 3 Truck
Field Person: Scott Madill/Gary Waugh	Date: 7/23/13

DESCRIPTION OF SOILS REMOVAL

Remediation Area (Sq Ft):	Yards In: * See Below	Yards Out: * See Below
Description of Cut Depth:		
All soils within the remediation area square footage were removed to an average depth of 12 inches		
Verification Method:	Verified cut depth by measuring along excavation line	Date Verified/Initial: 7/23/13 GW SS
Describe soils remaining: No remaining soils, all soils were removed.		

DESCRIPTION OF FIELD ACTIVITIES:

Kappen Tree Service: Was on site week of 7/15/13 and removed 6 elms adjacent to house along driveway. Wood chips and logs were hauled to the Allied staging area. Started tree work at 400 Arbury, 6 dead maples and bush hogging scrub brush.

Servinski/Fisher: 1315/1311 Jefferson – Finished soil removal in both properties, and drive on 1311 Jefferson. Trucks were backed up the existing gravel driveway and loaded via excavator. Soil was removed via bobcat and transferred to a soil stockpile at the end of the driveway. Poured up back patio area 1315 Jefferson. The street sweeper cleaned along Jefferson and Haley.

* Yard Out:

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

* Yards In:

0 yrds - Topsoil

**CONSTRUCTION QUALITY ASSURANCE FORM
MIDLAND RESOLUTION CENTER**

DESCRIPTION OF FIELD ACTIVITIES – CONTINUED:

Scott Madill

7/24/13

Field Representative Signature

Date

Weather: Partly cloudy, 52-82, light winds

CONSTRUCTION QUALITY ASSURANCE FORM

MIDLAND RESOLUTION CENTER

PROPERTY INFORMATION

Property Owner:	Property Address: .1311/1315 Jefferson
Contract Personnel: <ul style="list-style-type: none"> • Kappen Tree Service – 7/15/13 • Servinski • Fisher • Pats 	Contractor Equipment: <ul style="list-style-type: none"> • Kappen: Bucket Truck, Chipper, Log Truck, crane • Servinski: Excavator, 2 Bobcat, mini excavator • Fisher: Hand Tools • Pats: 3 Truck
Field Person: Scott Madill/Gary Waugh	Date: 7/23/13

DESCRIPTION OF SOILS REMOVAL

Remediation Area (Sq Ft):	Yards In: * See Below	Yards Out: * See Below
Description of Cut Depth: All soils within the remediation area square footage were removed to an average depth of 12 inches		
Verification Method:	Verified cut depth by measuring along excavation line	Date Verified/Initial: 7/23/13 GW SS
Describe soils remaining: No remaining soils, all soils were removed.		

DESCRIPTION OF FIELD ACTIVITIES:

Kappen Tree Service: Was on site week of 7/15/13 and removed 6 elms adjacent to house along driveway. Wood chips and logs were hauled to the Allied staging area. Started tree work at 815 Haley, needed to call cable company to lift line that was attached to tree in front yard. Checked with adjoining property on Mill to assure Ch. Elm in the back could be taken down.

Servinski/Fisher: 1315/1311 Jefferson – Continued soil removal starting in the front of the properties and drive on 1311 Jefferson. Trucks were backed up the existing gravel driveway and loaded via excavator. Soil was removed via bobcat and transferred to a soil stockpile at the end of the driveway. Catch basins are within 100ft of the property, so filters were added to catch basin. Silt fence was installed at this time. Formed up back patio area 1315 Jefferson. The street sweeper cleaned along Jefferson and Haley.

* Yard Out:

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

* Yards In:

0 yrds - Topsoil

**CONSTRUCTION QUALITY ASSURANCE FORM
MIDLAND RESOLUTION CENTER**

DESCRIPTION OF FIELD ACTIVITIES – CONTINUED:

Scott Madill

7/23/13

Field Representative Signature

Date

Weather: Partly cloudy, 52-79, light winds

CONSTRUCTION QUALITY ASSURANCE FORM

MIDLAND RESOLUTION CENTER

PROPERTY INFORMATION

Property Owner:	Property Address: .1311/1315 Jefferson
Contract Personnel: <ul style="list-style-type: none"> • Kappen Tree Service – 7/15/13 • Servinski • Fisher • Pats 	Contractor Equipment: <ul style="list-style-type: none"> • Kappen: Bucket Truck, Chipper, Log Truck • Servinski: Excavator, 2 Bobcat, mini excavator • Fisher: Hand Tools • Pats: 3 Truck
Field Person: Scott Madill/Gary Waugh	Date: 7/22/13

DESCRIPTION OF SOILS REMOVAL

Remediation Area (Sq Ft):	Yards In: * See Below	Yards Out: * See Below
Description of Cut Depth: All soils within the remediation area square footage were removed to an average depth of 12 inches		
Verification Method:	Verified cut depth by measuring along excavation line	Date Verified/Initial: 7/22/13 GW SS
Describe soils remaining: No remaining soils, all soils were removed.		

DESCRIPTION OF FIELD ACTIVITIES:

Kappen Tree Service: Was on site week of 7/15/13 and removed 6 elms adjacent to house along driveway. Wood chips and logs were hauled to the Allied staging area. Finished tree work at 1418, 1414, 1412 Jefferson.

Servinski/Fisher: Began the soils dig out starting at the rear of the property. Trucks were backed up the existing gravel driveway and loaded via excavator. Soil was removed via bobcat and transferred to a soil stockpile at the end of the driveway. Catch basins are within 100ft of the property, so filters were added to catch basin. Soils in the front yard near the street have not been disturbed as of today. Silt fence not installed at this time. The street sweeper cleaned along Jefferson and Haley.

* Yard Out:

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

* Yards In:

0 yrds - Topsoil

**CONSTRUCTION QUALITY ASSURANCE FORM
MIDLAND RESOLUTION CENTER**

DESCRIPTION OF FIELD ACTIVITIES – CONTINUED:

Scott Madill

7/22/13

Field Representative Signature

Date

Weather: Partly cloudy, 52-75, light winds

Green Remediation Assurance Form

Midland Resolution

Property Information

Property Owner 1311 Jefferson Contract Personnel S. M. Smith Sr.

Property Address _____

Field Person Smith Date 7-22-26

Fuel Usage

Low Sulfur Diesel Used:.....Yes [] No [] N/A []

Equipment

Tier 3 and Tier 4 Diesel Motors Manufactured

After 2006:.....Yes [] No [] N/A []

Equipment Shut Off When Not In Use (No Idling):.....Yes [] No [] N/A []

Equipment Inspected For Leaks, Seepages, ETC:.....Yes [] No [] N/A []

Administrative

Vegetation and Plants Supplied Locally:.....Yes [] No [] N/A []

Local Subcontractors Used:.....Yes [] No [] N/A []

Borrow Pit Source Selected Closer to Project but Within

Mandated Radius Criteria:.....Yes [] No [] N/A []

Waste Management

Waste Generated Recycled (50)%:.....Yes [] No [] N/A []

Wood/Tree's Removed Chipped and Staged for Use

Along Tittabawasse River Flood Plain as Barrier

Or Dust Control:.....Yes [] No [] N/A []

Landscaping/Perennial Plants Brought to Site in

Recyclable Pots that Will Be Collected and Reused

By Supplier:.....Yes [] No [] N/A []

Project Controls

Recycled Newspaper Used as Binder for Hydroseeding

Portions:.....Yes [] No [] N/A []

Geosynthetics Used on Property Access Area:.....Yes [] No [] N/A []

Tarps Used on Trucks During Soil Removal:.....Yes [] No [] N/A []

Tarps Used on Borrow Trucks:.....Yes [] No [] N/A []

Active Dust Management System Used:.....Yes [] No [] N/A []

Phosphate Free Fertilizers Used:.....Yes [] No [] N/A []

Removed Soil Taken to Dow Plant For Reuse in Facility:.....Yes [] No [] N/A []

Use of Sod as the Preferred Revegetation Tool:.....Yes [] No [] N/A []

Upgrading Irrigation Controls to Include a Rain Sensor:.....Yes [] No [] N/A []

Preprogramming Irrigation System to Water Only at

Prescribed Rates and Times:.....Yes [] No [] N/A []

Reuse Existing Concrete Foundations When Possible.....Yes [] No [] N/A []

Use Water Efficient Landscaping.....Yes [] No [] N/A []

Clean Manholes, Curb Inlets, Drop Inlets, Trench Drains,

Gratings, and Frames of Construction Debris, Dirt,

and Trash.....Yes [] No [] N/A []

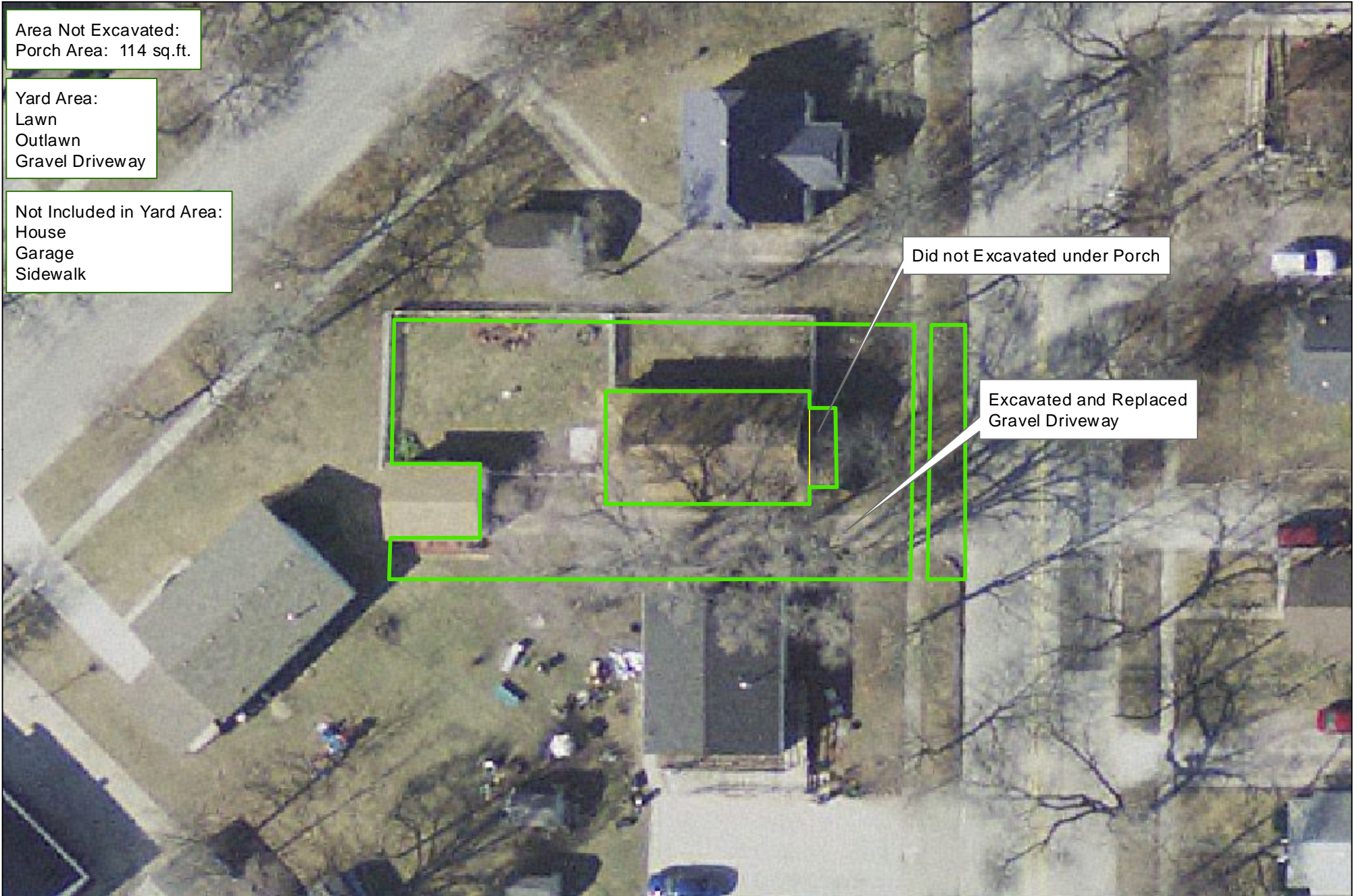
Area Not Excavated:
Porch Area: 114 sq.ft.

Yard Area:
Lawn
Outlawn
Gravel Driveway

Not Included in Yard Area:
House
Garage
Sidewalk



Did not Excavated under Porch

Excavated and Replaced
Gravel Driveway



MIDLAND RESOLUTION

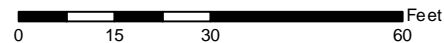
LEGEND

-  Remediated Area
-  Property

Total Yard Area:
6058 sq. ft.

Area Excavated:
5944 sq. ft.

Total Area Not Excavated:
114 sq. ft.



Parcel 14-16-40-070
Midland Resolution Soil Replacement

Dow Midland Soils Remedy Worksheet

Site Address: 1315 Jefferson Ave

Parcel: 14-16-40-070

Date: 4-Nov-13

Initial Soil Sample

243

Soil Result (ppt)

If < or = 220, No Remedy

If > 280, Remedy

If >220 but < or = 280, Test Replicates

Soil Remedy Result:

TEST REPLICATES

Replicate Soil Samples

193

Initial soil result (ppt)

213

Replicate result (ppt)

267

Replicate result (ppt)

224

Average (ppt)

38.3

Standard Deviation (ppt)

2.92

t (0.95, 2)

289

95% UCL (Student's t Upper Confidence Limit)

If > 250, Remedy

If < or = 250, No Remedy

Soil Replicate

Remedy Result:

REMEDY

If Soil Remedy Required, Evaluate Indoor Dust:

289

Initial soil result or 95% UCL if replicates were required (ppt)

5944

Area of yard (ft²) (area as sampled)

114

Area not remedied (ft²)

20

Surface Weighted Average (SWA) (ppt)

2%

% Undisturbed Remaining Soil (URS)

5.52E-06

Risk is acceptable if < or = 10⁻⁵

Indoor Dust

Remedy Result:

NO REMEDY

CONSTRUCTION QUALITY ASSURANCE FORM

MIDLAND RESOLUTION CENTER

PROPERTY INFORMATION

Property Owner:	Property Address: .1311/1315 Jefferson
Contract Personnel: <ul style="list-style-type: none"> • Kappen Tree Service – 7/15/13 • Servinski • Fisher • Pats 	Contractor Equipment: <ul style="list-style-type: none"> • Kappen: Bucket Truck, Chipper, Log Truck, crane • Servinski: Excavator, 2 Bobcat, mini excavator • Fisher: Hand Tools • Pats: 3 Truck
Field Person: Scott Madill/Gary Waugh	Date: 7/26/13

DESCRIPTION OF SOILS REMOVAL

Remediation Area (Sq Ft):	Yards In: * See Below	Yards Out: * See Below
Description of Cut Depth: All soils within the remediation area square footage were removed to an average depth of 12 inches		
Verification Method:	Verified cut depth by measuring along excavation line	Date Verified/Initial: 7/26/13 GW SS
Describe soils remaining: No remaining soils, all soils were removed.		

DESCRIPTION OF FIELD ACTIVITIES:

Kappen Tree Service: Was on site week of 7/15/13 and removed 6 elms adjacent to house along driveway. Wood chips and logs were hauled to the Allied staging area.

Servinski/Fisher: 1315/1311 Jefferson – Final grading topsoil in both properties. Placed sod 1315 Jefferson and hydroseeded 1311 Jefferson. Finished privacy fence 1315 Jefferson. The street sweeper cleaned along Jefferson and Haley.

* Yard Out:

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

* In:

420 yrds - Topsoil

DESCRIPTION OF FIELD ACTIVITIES – CONTINUED:

**CONSTRUCTION QUALITY ASSURANCE FORM
MIDLAND RESOLUTION CENTER**

Scott Madill

7/26/13

Field Representative Signature

Date

Weather: Partly cloudy, 52-82, light winds

PROPERTY INFORMATION

CONSTRUCTION QUALITY ASSURANCE FORM

MIDLAND RESOLUTION CENTER

PROPERTY INFORMATION

Property Owner:	Property Address: .1311/1315 Jefferson
Contract Personnel: <ul style="list-style-type: none"> • Kappen Tree Service – 7/15/13 • Servinski • Fisher • Pats 	Contractor Equipment: <ul style="list-style-type: none"> • Kappen: Bucket Truck, Chipper, Log Truck, crane • Servinski: Excavator, 2 Bobcat, mini excavator • Fisher: Hand Tools • Pats: 3 Truck • Kookly Irrigation
Field Person: Scott Madill/Gary Waugh	Date: 7/25/13

DESCRIPTION OF SOILS REMOVAL

Remediation Area (Sq Ft):	Yards In: * See Below	Yards Out: * See Below
Description of Cut Depth: All soils within the remediation area square footage were removed to an average depth of 12 inches		
Verification Method:	Verified cut depth by measuring along excavation line	Date Verified/Initial: 7/25/13 GW SS
Describe soils remaining: No remaining soils, all soils were removed.		

DESCRIPTION OF FIELD ACTIVITIES:

Kappen Tree Service: Was on site week of 7/15/13 and removed 6 elms adjacent to house along driveway. Wood chips and logs were hauled to the Allied staging area. Continued tree work at 400 Arbury, 6 dead maples and bush hogging scrub brush. Using woodchips to maintain road and dust.

Servinski/Fisher: 1315/1311 Jefferson – Finished topsoil in both properties, and formed drive on 1315 Jefferson. Soil was placed via bobcat and graded. Poured concrete drive and started privacy fence 1315 Jefferson. Placed irrigation systems and plumbing both properties. The street sweeper cleaned along Jefferson and Haley.

* Yard Out:

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

* In:

420 yrds - Topsoil

**CONSTRUCTION QUALITY ASSURANCE FORM
MIDLAND RESOLUTION CENTER**

DESCRIPTION OF FIELD ACTIVITIES – CONTINUED:

Scott Madill

7/25/13

Field Representative Signature

Date

Weather: Partly cloudy, 52-82, light winds

CONSTRUCTION QUALITY ASSURANCE FORM

MIDLAND RESOLUTION CENTER

PROPERTY INFORMATION

Property Owner:	Property Address: .1311/1315 Jefferson
Contract Personnel: <ul style="list-style-type: none"> • Kappen Tree Service – 7/15/13 • Servinski • Fisher • Pats 	Contractor Equipment: <ul style="list-style-type: none"> • Kappen: Bucket Truck, Chipper, Log Truck, crane • Servinski: Excavator, 2 Bobcat, mini excavator • Fisher: Hand Tools • Pats: 3 Truck
Field Person: Scott Madill/Gary Waugh	Date: 7/23/13

DESCRIPTION OF SOILS REMOVAL

Remediation Area (Sq Ft):	Yards In: * See Below	Yards Out: * See Below
Description of Cut Depth:		
All soils within the remediation area square footage were removed to an average depth of 12 inches		
Verification Method:	Verified cut depth by measuring along excavation line	Date Verified/Initial: 7/23/13 GW SS
Describe soils remaining: No remaining soils, all soils were removed.		

DESCRIPTION OF FIELD ACTIVITIES:

Kappen Tree Service: Was on site week of 7/15/13 and removed 6 elms adjacent to house along driveway. Wood chips and logs were hauled to the Allied staging area. Started tree work at 400 Arbury, 6 dead maples and bush hogging scrub brush.

Servinski/Fisher: 1315/1311 Jefferson – Finished soil removal in both properties, and drive on 1311 Jefferson. Trucks were backed up the existing gravel driveway and loaded via excavator. Soil was removed via bobcat and transferred to a soil stockpile at the end of the driveway. Poured up back patio area 1315 Jefferson. The street sweeper cleaned along Jefferson and Haley.

* Yard Out:

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

* Yards In:

0 yrds - Topsoil

**CONSTRUCTION QUALITY ASSURANCE FORM
MIDLAND RESOLUTION CENTER**

DESCRIPTION OF FIELD ACTIVITIES – CONTINUED:

Scott Madill

7/24/13

Field Representative Signature

Date

Weather: Partly cloudy, 52-82, light winds

CONSTRUCTION QUALITY ASSURANCE FORM

MIDLAND RESOLUTION CENTER

PROPERTY INFORMATION

Property Owner:	Property Address: .1311/1315 Jefferson
Contract Personnel: <ul style="list-style-type: none"> • Kappen Tree Service – 7/15/13 • Servinski • Fisher • Pats 	Contractor Equipment: <ul style="list-style-type: none"> • Kappen: Bucket Truck, Chipper, Log Truck, crane • Servinski: Excavator, 2 Bobcat, mini excavator • Fisher: Hand Tools • Pats: 3 Truck
Field Person: Scott Madill/Gary Waugh	Date: 7/23/13

DESCRIPTION OF SOILS REMOVAL

Remediation Area (Sq Ft):	Yards In: * See Below	Yards Out: * See Below
Description of Cut Depth:		
All soils within the remediation area square footage were removed to an average depth of 12 inches		
Verification Method:	Verified cut depth by measuring along excavation line	Date Verified/Initial: 7/23/13 GW SS
Describe soils remaining: No remaining soils, all soils were removed.		

DESCRIPTION OF FIELD ACTIVITIES:

Kappen Tree Service: Was on site week of 7/15/13 and removed 6 elms adjacent to house along driveway. Wood chips and logs were hauled to the Allied staging area. Started tree work at 815 Haley, needed to call cable company to lift line that was attached to tree in front yard. Checked with adjoining property on Mill to assure Ch. Elm in the back could be taken down.

Servinski/Fisher: 1315/1311 Jefferson – Continued soil removal starting in the front of the properties and drive on 1311 Jefferson. Trucks were backed up the existing gravel driveway and loaded via excavator. Soil was removed via bobcat and transferred to a soil stockpile at the end of the driveway. Catch basins are within 100ft of the property, so filters were added to catch basin. Silt fence was installed at this time. Formed up back patio area 1315 Jefferson. The street sweeper cleaned along Jefferson and Haley.

* Yard Out:

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

* Yards In:

0 yrds - Topsoil

**CONSTRUCTION QUALITY ASSURANCE FORM
MIDLAND RESOLUTION CENTER**

DESCRIPTION OF FIELD ACTIVITIES – CONTINUED:

Scott Madill

7/23/13

Field Representative Signature

Date

Weather: Partly cloudy, 52-79, light winds

CONSTRUCTION QUALITY ASSURANCE FORM

MIDLAND RESOLUTION CENTER

PROPERTY INFORMATION

Property Owner:	Property Address: .1311/1315 Jefferson
Contract Personnel: <ul style="list-style-type: none"> • Kappen Tree Service – 7/15/13 • Servinski • Fisher • Pats 	Contractor Equipment: <ul style="list-style-type: none"> • Kappen: Bucket Truck, Chipper, Log Truck • Servinski: Excavator, 2 Bobcat, mini excavator • Fisher: Hand Tools • Pats: 3 Truck
Field Person: Scott Madill/Gary Waugh	Date: 7/22/13

DESCRIPTION OF SOILS REMOVAL

Remediation Area (Sq Ft):	Yards In: * See Below	Yards Out: * See Below
Description of Cut Depth:		
All soils within the remediation area square footage were removed to an average depth of 12 inches		
Verification Method:	Verified cut depth by measuring along excavation line	Date Verified/Initial: 7/22/13 GW SS
Describe soils remaining: No remaining soils, all soils were removed.		

DESCRIPTION OF FIELD ACTIVITIES:

Kappen Tree Service: Was on site week of 7/15/13 and removed 6 elms adjacent to house along driveway. Wood chips and logs were hauled to the Allied staging area. Finished tree work at 1418, 1414, 1412 Jefferson.

Servinski/Fisher: Began the soils dig out starting at the rear of the property. Trucks were backed up the existing gravel driveway and loaded via excavator. Soil was removed via bobcat and transferred to a soil stockpile at the end of the driveway. Catch basins are within 100ft of the property, so filters were added to catch basin. Soils in the front yard near the street have not been disturbed as of today. Silt fence not installed at this time. The street sweeper cleaned along Jefferson and Haley.

* Yard Out:

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

* Yards In:

0 yrds - Topsoil

**CONSTRUCTION QUALITY ASSURANCE FORM
MIDLAND RESOLUTION CENTER**

DESCRIPTION OF FIELD ACTIVITIES – CONTINUED:

Scott Madill

7/22/13

Field Representative Signature

Date

Weather: Partly cloudy, 52-75, light winds

Green Remediation Assurance Form
Midland Resolution

Property Information

Property Owner 1315 Jettcoo Contract Personnel Scrimshi

Property Address _____

Field Person SMK Date 7-22-7-26

Fuel Usage

Low Sulfur Diesel Used:.....Yes No N/A

Equipment

Tier 3 and Tier 4 Diesel Motors Manufactured
After 2006:.....Yes No N/A

Equipment Shut Off When Not In Use (No Idling):.....Yes No N/A

Equipment Inspected For Leaks, Seepages, ETC:.....Yes No N/A

Administrative

Vegetation and Plants Supplied Locally:.....Yes No N/A

Local Subcontractors Used:.....Yes No N/A

Borrow Pit Source Selected Closer to Project but Within
Mandated Radius Criteria:.....Yes No N/A

Waste Management

Waste Generated Recycled (50)%:.....Yes No N/A

Wood/Tree's Removed Chipped and Staged for Use
Along Tittabawassee River Flood Plain as Barrier
Or Dust Control:.....Yes No N/A

Landscaping/Perennial Plants Brought to Site in
Recyclable Pots that Will Be Collected and Reused
By Supplier:.....Yes No N/A

Project Controls

Recycled Newspaper Used as Binder for Hydroseeding
Portions:.....Yes No N/A

Geosynthetics Used on Property Access Area:.....Yes No N/A

Tarps Used on Trucks During Soil Removal:.....Yes No N/A

Tarps Used on Borrow Trucks:.....Yes No N/A

Active Dust Management System Used:.....Yes No N/A

Phosphate Free Fertilizers Used:.....Yes No N/A

Removed Soil Taken to Dow Plant For Reuse in Facility:.....Yes No N/A

Use of Sod as the Preferred Revegetation Tool:.....Yes No N/A

Upgrading Irrigation Controls to Include a Rain Sensor:.....Yes No N/A

Preprogramming Irrigation System to Water Only at
Prescribed Rates and Times:.....Yes No N/A

Reuse Existing Concrete Foundations When Possible.....Yes No N/A

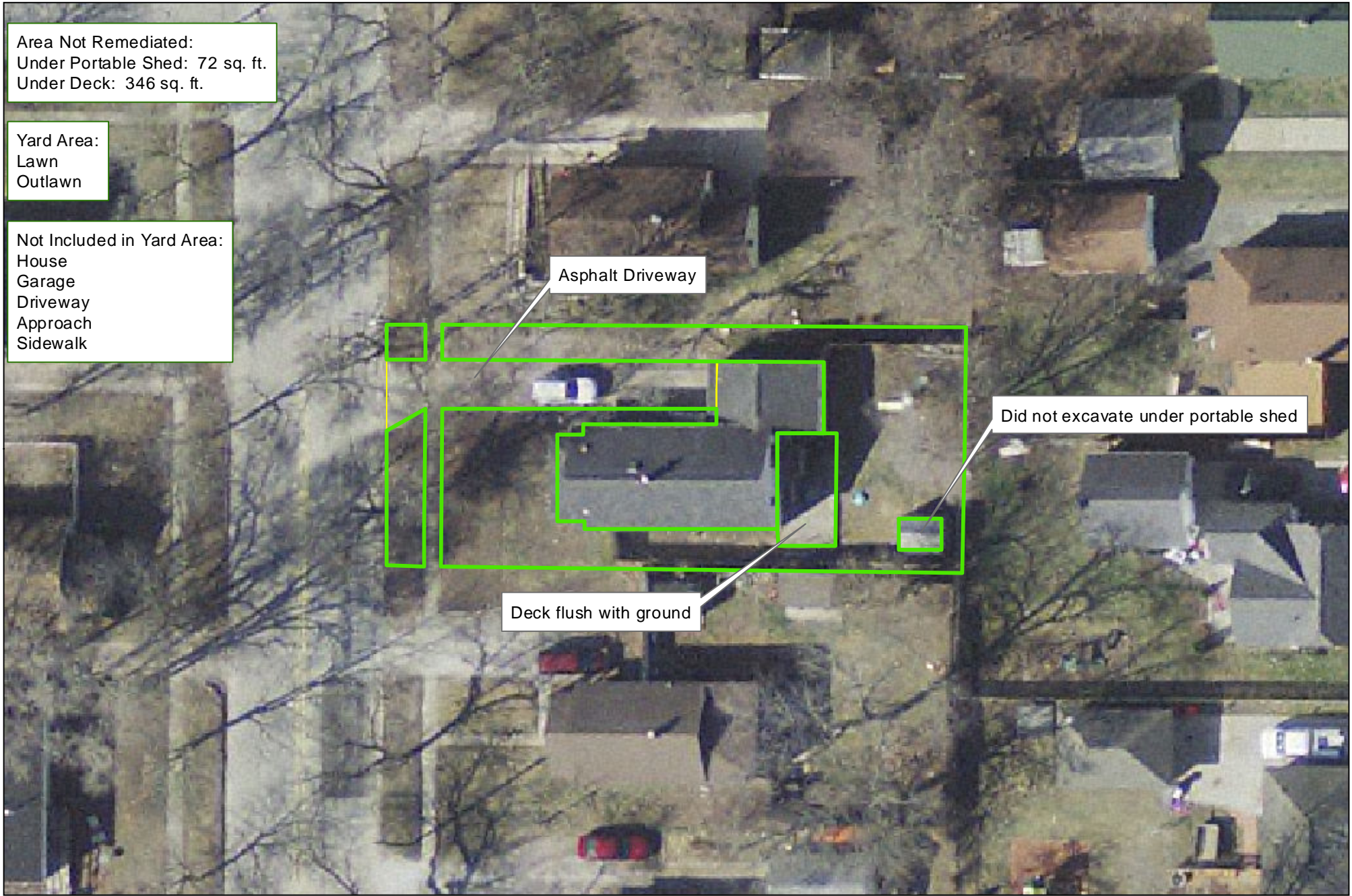
Use Water Efficient Landscaping.....Yes No N/A

Clean Manholes, Curb Inlets, Drop Inlets, Trench Drains,
Gratings, and Frames of Construction Debris, Dirt,
and Trash.....Yes No N/A

Area Not Remediated:
Under Portable Shed: 72 sq. ft.
Under Deck: 346 sq. ft.



Yard Area:
Lawn
Outlawn

Not Included in Yard Area:
House
Garage
Driveway
Approach
Sidewalk



MIDLAND RESOLUTION

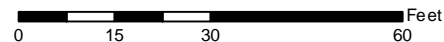
LEGEND

-  Remediated Area
-  Property

Total Yard Area:
4893 sq. ft.

Area Excavated:
4475 sq. ft.

Total Area Not Excavated:
418 sq. ft.



Parcel 14-15-50-738
Midland Resolution Soil Replacement

Dow Midland Soils Remedy Worksheet

Site Address: 1318 Jefferson Ave.

Parcel: 14-15-50-738

Date: 6-Nov-13

Initial Soil Sample		Soil Remedy Result:
337	Soil Result (ppt)	REMEDY
<i>If < or = 220, No Remedy</i> <i>If > 280, Remedy</i> <i>If >220 but < or = 280, Test Replicates</i>		

Replicate Soil Samples		Soil Replicate Remedy Result:
--	Initial soil result (ppt)	--
--	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)	
<i>If > 250, Remedy</i> <i>If < or = 250, No Remedy</i>		

If Soil Remedy Required, Evaluate Indoor Dust:		Indoor Dust Remedy Result:
337	Initial soil result or 95% UCL if replicates were required (ppt)	NO REMEDY
4893	Area of yard (ft ²) (area as sampled)	
418	Area not remedied (ft ²)	
43	Surface Weighted Average (SWA) (ppt)	
9%	% Undisturbed Remaining Soil (URS)	
6.83E-06	<i>Risk is acceptable if < or = 10⁻⁵</i>	

CONSTRUCTION QUALITY ASSURANCE FORM MIDLAND RESOLUTION CENTER

PROPERTY INFORMATION

Property Owner: Justin Rando	Property Address: 1318 Jefferson St.
Contract Personnel: <ul style="list-style-type: none"> • Servinski • Fisher • Pats • Reliable Plumbing 	Contractor Equipment: <ul style="list-style-type: none"> • Servinski: Excavator, Bobcat • Fisher: Hand Tools • Pats: Trucks • Reliable: Hand Tools
Field Person: Gary Waugh	Date: 9/20/13

DESCRIPTION OF SOILS REMOVAL

Remediation Area (Sq Ft): 3078	Yards In:	Yards Out: 135 * See Below
Description of Cut Depth: All soils within the remediation square footage area were removed to an average depth of 12 inches.		
Verification Method:	Measured depth of cut at the excavation line	Date Verified/Initial: 9/20/13 GW
Describe soils remaining: No remaining soils		

DESCRIPTION OF FIELD ACTIVITIES:

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

Servinski/Fisher: A lane closure was set up along Jefferson Street due to the amount of traffic. The crew began the soils dig out starting in the rear yard area. Trucks were able to back along the driveway to the rear yard area. This allowed the excavator to dig and direct load the trucks. Two catch basin filters were in place and silt fence was installed at the curb line along Jefferson St.

* Yards Out:

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

Gary Waugh

9/20/13

Field Representative Signature

Date

Weather: Cloudy, 68 – 75, light winds

CONSTRUCTION QUALITY ASSURANCE FORM

MIDLAND RESOLUTION CENTER

PROPERTY INFORMATION

Property Owner: Justin Rando	Property Address: 1318 Jefferson St.
Contract Personnel: <ul style="list-style-type: none"> • Servinski • Fisher • Pats 	Contractor Equipment: <ul style="list-style-type: none"> • Servinski: Excavator, Bobcat • Fisher: Hand Tools • Pats: Trucks
Field Person: Gary Waugh	Date: 9/21/13

DESCRIPTION OF SOILS REMOVAL

Remediation Area (Sq Ft): 3078	Yards In: 138 * See Below	Yards Out: 35 * See Below
Description of Cut Depth: All soils within the remediation square footage area were removed to an average depth of 12 inches.		
Verification Method:	Measured depth of cut at the excavation line	Date Verified/Initial: 9/21/13 GW
Describe soils remaining: No remaining soils		

DESCRIPTION OF FIELD ACTIVITIES:

Servinski/Fisher: The lane closure was set up along Jefferson Street prior to any work being performed. The crew continued the dig out removing the remaining soils in the front yard and out lawn areas. Topsoil was imported placed and rough graded. The catch basin filters and silt fence were inspected and in good condition. At the end of the work day the lane closure was removed from Jefferson St.

* Yards Out:

35yds – Soil relocated to (Dow MIOPS Poseyville Landfill MAS Stockpile Area)

* Yards In:

138yds - Topsoil

Gary Waugh

9/21/13

Field Representative Signature

Date

Weather: Partly cloudy, 52 – 64, light winds

CONSTRUCTION QUALITY ASSURANCE FORM

MIDLAND RESOLUTION CENTER

PROPERTY INFORMATION

Property Owner: Justin Rando	Property Address: 1318 Jefferson St.
Contract Personnel: <ul style="list-style-type: none"> • Servinski • Fisher • Sugar Construction • Kokaly 	Contractor Equipment: <ul style="list-style-type: none"> • Servinski: Excavator, Bobcat • Fisher: Hand Tools • Sugar: Hand Tools • Kokaly: Hand Tools
Field Person: Gary Waugh	Date: 9/23/13

DESCRIPTION OF SOILS REMOVAL

Remediation Area (Sq Ft): 3078	Yards In: 20 * See Below	Yards Out: 0
Description of Cut Depth: All soils within the remediation square footage area were removed to an average depth of 12 inches.		
Verification Method:	Measured depth of cut at the excavation line	Date Verified/Initial: 9/21/13 GW
Describe soils remaining: No remaining soils		

DESCRIPTION OF FIELD ACTIVITIES:

Sugar Construction: Formed and poured the concrete for a section of city sidewalk 4ft x 12ft.

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

Servinski/Fisher: The lane closure was set up along Jefferson Street prior to any work being performed. 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. After the irrigation system was installed the crew final prepped and hand raked the topsoil. Sod was placed and trimmed. The irrigation system was turned on and adjustments were made to the sprinkler heads and the clock was programmed. A final site cleanup was performed, catch basin filters and the silt fence was removed. 1318 Jefferson is complete pending a walk through with the property owner.

* Yards In:

- 15yds – Drainage Stone
- 5yds – Hardwood Mulch

Gary Waugh

9/23/13

Field Representative Signature

Date

Weather: Clear, 50 – 68, light winds

Green Remediation Assurance Form
Midland Resolution

Property Information

Property Owner: Justin Rando Contract Personnel: Pat's Trucking, Servinski
Property Address: 1318 Jefferson St.
Field Person: Gary Waugh Date: 9/20/2013

Fuel Usage

Low Sulfur Diesel Used:.....Yes No N/A

Equipment

Tier 3 and Tier 4 Diesel Motors Manufactured
After 2006:.....Yes No N/A
Equipment Shut Off When Not In Use (No Idling):.....Yes No N/A
Equipment Inspected For Leaks, Seepages, ETC:.....Yes No N/A

Administrative

Vegetation and Plants Supplied Locally:.....Yes No N/A
Local Subcontractors Used:.....Yes No N/A
Borrow Pit Source Selected Closer to Project but Within
Mandated Radius Criteria:.....Yes No N/A

Waste Management

Waste Generated Recycled (0)%:.....Yes No N/A
Wood/Tree's Removed Chipped and Staged for Use
Along Tittabawasse River Flood Plain as Barrier
Or Dust Control:.....Yes No N/A
Landscaping/Perennial Plants Brought to Site in
Recyclable Pots that Will Be Collected and Reused
By Supplier:.....Yes No N/A

Project Controls

Recycled Newspaper Used as Binder for Hydroseeding
Portions:.....Yes No N/A
Geosynthetics Used on Property Access Area:.....Yes No N/A
Tarps Used on Trucks During Soil Removal:.....Yes No N/A
Tarps Used on Borrow Trucks:.....Yes No N/A
Active Dust Management System Used:.....Yes No N/A
Phosphate Free Fertilizers Used:.....Yes No N/A
Removed Soil Taken to Dow Plant For Reuse in Facility:....Yes No N/A
Use of Sod as the Preferred Revegetation Tool:.....Yes No N/A
Upgrading Irrigation Controls to Include a Rain Sensor:.....Yes No N/A
Preprogramming Irrigation System to Water Only at
Prescribed Rates and Times:.....Yes No N/A
Reuse Existing Concrete Foundations When Possible... Yes No N/A
Use Water Efficient Landscaping.....Yes No N/A
Clean Manholes, Curb Inlets, Drop Inlets, Trench Drains,
Gratings, and Frames of Construction Debris, Dirt,
and Trash.....Yes No N/A

Area Not Remediated:
All Excavated

Yard Area:
Lawn
Outlawn
Gravel Driveway
Some Sidewalk

Not in Yard:
House
Garage
Some Sidewalk

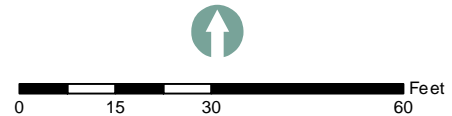


LEGEND
Remediated Area
Property

Total Yard Area:
6239 sq. ft.

Area Excavated:
6239 sq. ft.

Total Area Not Excavated:
0 sq. ft.



Parcel 14-15-50-736
Midland Resolution Soil Replacement

Dow Midland Soils Remedy Worksheet

Site Address: 1322 Jefferson Ave.

Parcel: 14-15-50-736

Date: 4-Nov-13

Initial Soil Sample		Soil Remedy Result:
316	Soil Result (ppt)	REMEDY
<i>If < or = 220, No Remedy</i> <i>If > 280, Remedy</i> <i>If >220 but < or = 280, Test Replicates</i>		

Replicate Soil Samples		Soil Replicate Remedy Result:
--	Initial soil result (ppt)	--
--	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)	
<i>If > 250, Remedy</i> <i>If < or = 250, No Remedy</i>		

If Soil Remedy Required, Evaluate Indoor Dust:		Indoor Dust Remedy Result:
316	Initial soil result or 95% UCL if replicates were required (ppt)	NO REMEDY
6239	Area of yard (ft ²) (area as sampled)	
0	Area not remedied (ft ²)	
15	Surface Weighted Average (SWA) (ppt)	
0%	% Undisturbed Remaining Soil (URS)	
<u>5.89E-06</u>	<i>Risk is acceptable if < or = 10⁻⁵</i>	

CONSTRUCTION QUALITY ASSURANCE FORM MIDLAND RESOLUTION CENTER

PROPERTY INFORMATION

Property Owner: Townsend Rentals LLC	Property Address: 1322 Jefferson St.
Contract Personnel: <ul style="list-style-type: none"> Kappen Tree Service -- 6/26/13 Servinski Fisher 	Contractor Equipment: <ul style="list-style-type: none"> Kappen: Bucket Truck, Chipper, Log Truck Servinski: Excavator, Mini Excavator, Bobcats Fisher: Hand Tools
Field Person: Gary Waugh	Date: 6/29/13

DESCRIPTION OF SOILS REMOVAL

Remediation Area (Sq Ft): 6571	Yards In: 180 * See Below	Yards Out: 255 * See Below
Description of Cut Depth: All soils within the remediation area were removed to an average depth of 12 inches.		
Verification Method:	Laser level used to verify cut depth	Date Verified/Initial: SM/SS 6/29/13
Describe soils remaining: No remaining soils.		

DESCRIPTION OF FIELD ACTIVITIES:

Kappen Tree Service: Was onsite 6/26/13 and removed the select trees. Wood chips and logs were hauled to the Allied staging area.

Servinski/Fisher: Began the soils dig out. Due to limited access the soils in the back yard area had to be excavated and hauled by Bobcats to the front yard area along Jefferson St where they were loaded into the trucks. Some topsoil was imported and placed. The street sweeper periodically cleaned Jefferson St throughout the day. Catch basin filters were in place and found to be in good condition. AM light rain showers occurred with no run off from the site. At the end of the work day the site was cleaned up and barricaded as needed. Silt fence was installed at the curb line along Jefferson St.

* Yards Out:

- 15yds – Concrete and debris were hauled to (Midland City Landfill) for disposal
- 240yds – Soil was relocated to (Dow - Salzburg Landfill MAS Stockpile Area)

* Yards In:

180yds - Topsoil

Gary Waugh

6/29/13

Field Representative Signature

Date

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

CONSTRUCTION QUALITY ASSURANCE FORM

MIDLAND RESOLUTION CENTER

PROPERTY INFORMATION

Property Owner: Townsend Rentals LLC	Property Address: 1322 Jefferson St.
Contract Personnel: <ul style="list-style-type: none"> • Servinski • Fisher • Kokaly • Reliable Plumbing 	Contractor Equipment: <ul style="list-style-type: none"> • Servinski: Bobcat • Fisher: Hand Tools • Kokaly: Hand Tools • Reliable: Hand Tools
Field Person: Gary Waugh	Date: 7/2/13 Note: No work performed on 7/1/13

DESCRIPTION OF SOILS REMOVAL

Remediation Area (Sq Ft): 6571	Yards In: 143 * See Below	Yards Out: 75 * See Below
Description of Cut Depth: All soils within the remediation area were removed to an average depth of 12 inches.		
Verification Method:	Laser level used to verify cut depth	Date Verified/Initial: GW 7/2/13
Describe soils remaining: No remaining soils.		

DESCRIPTION OF FIELD ACTIVITIES:

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

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

Servinski/Fisher: Completed the soils dig out and importing and placing the topsoil. Landscape beds were defined, edging installed and shrubs and trees were planted. Drainage stone and hardwood mulch were placed in the appropriate bed. The catch basin filters were inspected and in good order. At the end of the work day the site was cleaned up and barricades placed as needed. The silt fence was re installed at the curb line along Jefferson St.

*** Yards Out:**

- 15yrds – Concrete and debris were hauled to (Midland City Landfill) for disposal
- 60yrds – Soil was relocated to (Dow – LEL 3 NAPL Recovery Project)

*** Yards In:**

- 60yrds – Topsoil
- 48yrds – Stone Mix - Driveway
- 18yrds – Sand – Driveway under Stone Mix
- 9yrds – Drainage Stone
- 8yrds – Hardwood Mulch

**CONSTRUCTION QUALITY ASSURANCE FORM
MIDLAND RESOLUTION CENTER**

DESCRIPTION OF FIELD ACTIVITIES – CONTINUED:

Gary Waugh

7/2/13

Field Representative Signature

Date

Weather: Cloudy, 55 – 72, light winds

CONSTRUCTION QUALITY ASSURANCE FORM MIDLAND RESOLUTION CENTER

PROPERTY INFORMATION

Property Owner: Townsend Rentals LLC	Property Address: 1322 Jefferson St.
Contract Personnel: <ul style="list-style-type: none"> • Servinski • Fisher • Sugar Construction 	Contractor Equipment: <ul style="list-style-type: none"> • Servinski: Bobcat • Fisher: Hand Tools • Sugar: Hand Tools
Field Person: Gary Waugh	Date: 7/3/13

DESCRIPTION OF SOILS REMOVAL

Remediation Area (Sq Ft): 6571	Yards In: 0	Yards Out: 0
Description of Cut Depth: All soils within the remediation area were removed to an average depth of 12 inches.		
Verification Method:	Laser level used to verify cut depth	Date Verified/Initial: SM/SS 6/29/13
Describe soils remaining: No remaining soils.		

DESCRIPTION OF FIELD ACTIVITIES:

Sugar Construction: Poured the concrete for the city sidewalk and driveway approach.

Servinski/Fisher: The topsoil was final prepped and hand raked. Hydro seed applied and a site cleanup was performed. 1322 Jefferson is complete pending a walk through with the property owner.

Gary Waugh

7/3/13

Field Representative Signature

Date

Weather: Cloudy, 60 – 80, light winds

Green Remediation Assurance Form
Midland Resolution

Property Information

Property Owner: Townsend Rentals, LLC Contract Personnel: Pat's Trucking, Servinski
Property Address: 1322 Jefferson St.
Field Person: Gary Waugh Date: 7/2/2013

Fuel Usage

Low Sulfur Diesel Used:.....Yes No N/A

Equipment

Tier 3 and Tier 4 Diesel Motors Manufactured
After 2006:.....Yes No N/A
Equipment Shut Off When Not In Use (No Idling):.....Yes No N/A
Equipment Inspected For Leaks, Seepages, ETC:.....Yes No N/A

Administrative

Vegetation and Plants Supplied Locally:.....Yes No N/A
Local Subcontractors Used:.....Yes No N/A
Borrow Pit Source Selected Closer to Project but Within
Mandated Radius Criteria:.....Yes No N/A

Waste Management

Waste Generated Recycled (0)%:.....Yes No N/A
Wood/Tree's Removed Chipped and Staged for Use
Along Tittabawasse River Flood Plain as Barrier
Or Dust Control:.....Yes No N/A
Landscaping/Perennial Plants Brought to Site in
Recyclable Pots that Will Be Collected and Reused
By Supplier:.....Yes No N/A

Project Controls

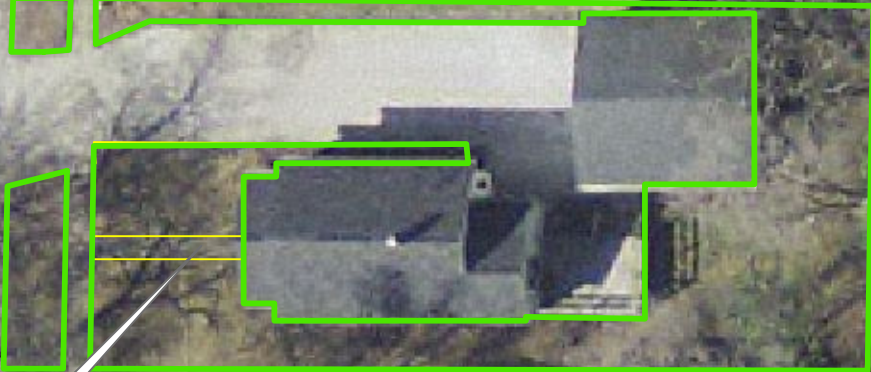
Recycled Newspaper Used as Binder for Hydroseeding
Portions:.....Yes No N/A
Geosynthetics Used on Property Access Area:.....Yes No N/A
Tarps Used on Trucks During Soil Removal:.....Yes No N/A
Tarps Used on Borrow Trucks:.....Yes No N/A
Active Dust Management System Used:.....Yes No N/A
Phosphate Free Fertilizers Used:.....Yes No N/A
Removed Soil Taken to Dow Plant For Reuse in Facility:....Yes No N/A
Use of Sod as the Preferred Revegetation Tool:.....Yes No N/A
Upgrading Irrigation Controls to Include a Rain Sensor:.....Yes No N/A
Preprogramming Irrigation System to Water Only at
Prescribed Rates and Times:.....Yes No N/A
Reuse Existing Concrete Foundations When Possible...Yes No N/A
Use Water Efficient Landscaping.....Yes No N/A
Clean Manholes, Curb Inlets, Drop Inlets, Trench Drains,
Gratings, and Frames of Construction Debris, Dirt,
and Trash.....Yes No N/A

Area Not Excavated:
All Excavated

Yard Area:
Lawn
Outlawn
Walkway

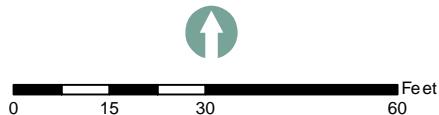
Not Included in Yard Area:
House
Garage
Driveway
Approach

Excavated and Replaced
Walkway



LEGEND
Remediated Area
Property

Total Yard Area: 3637 sq. ft.
Area Excavated: 3637 sq. ft.
Total Area Not Excavated: 0 sq. ft.



Parcel 14-15-50-730
Midland Resolution Soil Replacement

Dow Midland Soils Remedy Worksheet

Site Address: 1410 Jefferson Ave.

Parcel: 14-15-50-730

Date: 4-Nov-13

Initial Soil Sample

242

Soil Result (ppt)

Soil Remedy Result:

TEST REPLICATES

If < or = 220, No Remedy

If > 280, Remedy

If >220 but < or = 280, Test Replicates

Replicate Soil Samples

212

Initial soil result (ppt)

225

Replicate result (ppt)

252

Replicate result (ppt)

Soil Replicate

Remedy Result:

REMEDY

230

Average (ppt)

20.4

Standard Deviation (ppt)

2.92

t (0.95, 2)

264

95% UCL (Student's t Upper Confidence Limit)

If > 250, Remedy

If < or = 250, No Remedy

If Soil Remedy Required, Evaluate Indoor Dust:

264

Initial soil result or 95% UCL if replicates were required (ppt)

3637

Area of yard (ft²) (area as sampled)

0

Area not remedied (ft²)

15

Surface Weighted Average (SWA) (ppt)

0%

% Undisturbed Remaining Soil (URS)

4.97E-06

Risk is acceptable if < or = 10⁻⁵

Indoor Dust

Remedy Result:

NO REMEDY

CONSTRUCTION QUALITY ASSURANCE FORM

MIDLAND RESOLUTION CENTER

PROPERTY INFORMATION

Property Owner: Jeannette Blackson	Property Address: 1410 Jefferson St.
Contract Personnel: <ul style="list-style-type: none"> • Kappen Tree Service – 7/22/13 • Servinski • Fisher • Pats 	Contractor Equipment: <ul style="list-style-type: none"> • Kappen: Bucket Truck, Chipper, Log Truck • Servinski: Bobcats, Mini Excavator • Fisher: Hand Tools • Pats: Trucks
Field Person: Gary Waugh	Date: 7/29/13

DESCRIPTION OF SOILS REMOVAL

Remediation Area (Sq Ft): 3500	Yards In: 0	Yards Out: 150 * See Below
Description of Cut Depth: All soils within the remediation area square footage were removed to an average depth of 12 inches.		
Verification Method:	Measured cut depth at excavation line	Date Verified/Initial: 7/29/13 GW
Describe soils remaining: No remaining soils		

DESCRIPTION OF FIELD ACTIVITIES:

Kappen Tree Service: Was onsite 7/22/13 and removed the select trees. Wood chips and logs were hauled to the Allied staging area.

Servinski/Fisher: Began and completed the soils dig out. Bobcats were used to excavate the majority of the soils. The mini excavator was used to excavate soils from around the house and along the driveway and sidewalks. Water was applied to the soil as needed to control dust. The soils were hauled by bobcats to the rear yard area of 1418 Jefferson which is a corner lot bound by Jefferson and Arbury Streets. The soils were then loaded into trucks along Arbury. No catch basins were located within a 100 ft. of this site so filters were not necessary. At the end of the day silt fence was installed at the curb line along Jefferson St.

* Yards Out:

15yrds – Concrete, debris and soil were hauled to (Midland City Landfill) for disposal

135yrds – Soil relocated to (Dow MIOPS WIF Project)

Gary Waugh

7/29/13

Field Representative Signature

Date

Weather: Partly cloudy, 55 – 70, light winds

CONSTRUCTION QUALITY ASSURANCE FORM

MIDLAND RESOLUTION CENTER

PROPERTY INFORMATION

Property Owner: Jeannette Blackson	Property Address: 1410 Jefferson St.
Contract Personnel: <ul style="list-style-type: none"> • Servinski • Fisher • Pats • Sugar Construction • Reliable Plumbing 	Contractor Equipment: <ul style="list-style-type: none"> • Servinski: Bobcats, Mini Excavator • Fisher: Hand Tools • Pats: Trucks • Sugar: Hand Tools • Reliable: Hand Tools
Field Person: Gary Waugh	Date: 7/30/13

DESCRIPTION OF SOILS REMOVAL

Remediation Area (Sq Ft): 3500	Yards In: 135 * 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 Method:	Measured cut depth at excavation line	Date Verified/Initial: 7/29/13 GW
Describe soils remaining: No remaining soils		

DESCRIPTION OF FIELD ACTIVITIES:

Sugar Construction: Formed and poured concrete for the replacement service sidewalk 4ft x 27ft and a section of city sidewalk 4ft x 27ft.

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

Servinski/Fisher: Began and completed importing and placing topsoil. At the end of the day silt fence was reinstalled at the curb line along Jefferson St.

* Yards In:
135yds - Topsoil

Gary Waugh

7/30/13

Field Representative Signature

Date

Weather: Clear, 50 – 75, light winds

CONSTRUCTION QUALITY ASSURANCE FORM

MIDLAND RESOLUTION CENTER

PROPERTY INFORMATION

Property Owner: Jeannette Blackson	Property Address: 1410 Jefferson St.
Contract Personnel: <ul style="list-style-type: none"> • Servinski • Fisher • Kokaly 	Contractor Equipment: <ul style="list-style-type: none"> • Servinski: Bobcat • Fisher: Hand Tools • Kokaly: Hand Tools
Field Person: Gary Waugh	Date: 8/1/13

DESCRIPTION OF SOILS REMOVAL

Remediation Area (Sq Ft): 3500	Yards In: 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 Method:	Measured cut depth at excavation line	Date Verified/Initial: 7/29/13 GW
Describe soils remaining: No remaining soils		

DESCRIPTION OF FIELD ACTIVITIES:

Note: No work was performed on 7/31/13. Off and on rain occurred throughout the day.

Kokaly: Was onsite and installed the irrigation system piping, low voltage wiring and valves and sprinkler heads. A system function check was performed. Final adjustments will be made after the sod is in place.

Servinski/Fisher: Landscape beds were defined and edging installed. Trees and shrubs were planted. At the end of the day silt fence was reinstalled at the curb line along Jefferson St.

Gary Waugh

8/1/13

Field Representative Signature

Date

Weather: Partly cloudy, 64 – 78, light winds

CONSTRUCTION QUALITY ASSURANCE FORM MIDLAND RESOLUTION CENTER

PROPERTY INFORMATION

Property Owner: Jeannette Blackson	Property Address: 1410 Jefferson St.
Contract Personnel: <ul style="list-style-type: none"> • Servinski • Fisher 	Contractor Equipment: <ul style="list-style-type: none"> • Servinski: Bobcat • Fisher: Hand Tools
Field Person: Gary Waugh	Date: 8/1/13

DESCRIPTION OF SOILS REMOVAL

Remediation Area (Sq Ft): 3500	Yards In: *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 Method:	Measured cut depth at excavation line	Date Verified/Initial: 7/29/13 GW
Describe soils remaining: No remaining soils		

DESCRIPTION OF FIELD ACTIVITIES:

Servinski/Fisher: Drainage stone and hardwood mulch were placed in the appropriate landscape bed. The topsoil was final prepped and hand raked. Sod was placed and trimmed. The irrigations system was turned on and the sprinkler heads were adjusted. A final site cleanup was performed and the silt fence was removed. 1410 Jefferson is complete pending a walk through with the property owner.

- * Yards In:
- 8yds – Drainage Stone
 - 10yds – Stone Mix
 - 4yds – Hardwood Mulch

Gary Waugh

8/2/13

Field Representative Signature

Date

Weather: Clear, 58 – 78, light winds

Green Remediation Assurance Form
Midland Resolution

Property Information

Property Owner: Jeannette Blackson Contract Personnel: Pat's Trucking, Servinski

Property Address: 1410 Jefferson St.

Field Person: Gary Waugh

Date: 7/30/2013

Fuel Usage

Low Sulfur Diesel Used:.....Yes No N/A

Equipment

Tier 3 and Tier 4 Diesel Motors Manufactured

After 2006:.....Yes No N/A

Equipment Shut Off When Not In Use (No Idling):.....Yes No N/A

Equipment Inspected For Leaks, Seepages, ETC:.....Yes No N/A

Administrative

Vegetation and Plants Supplied Locally:.....Yes No N/A

Local Subcontractors Used:.....Yes No N/A

Borrow Pit Source Selected Closer to Project but Within

Mandated Radius Criteria:.....Yes No N/A

Waste Management

Waste Generated Recycled (0)%:.....Yes No N/A

Wood/Tree's Removed Chipped and Staged for Use

Along Tittabawasse River Flood Plain as Barrier

Or Dust Control:.....Yes No N/A

Landscaping/Perennial Plants Brought to Site in

Recyclable Pots that Will Be Collected and Reused

By Supplier:.....Yes No N/A

Project Controls

Recycled Newspaper Used as Binder for Hydroseeding

Portions:.....Yes No N/A

Geosynthetics Used on Property Access Area:.....Yes No N/A

Tarps Used on Trucks During Soil Removal:.....Yes No N/A

Tarps Used on Borrow Trucks:.....Yes No N/A

Active Dust Management System Used:.....Yes No N/A

Phosphate Free Fertilizers Used:.....Yes No N/A

Removed Soil Taken to Dow Plant For Reuse in Facility:....Yes No N/A

Use of Sod as the Preferred Revegetation Tool:.....Yes No N/A

Upgrading Irrigation Controls to Include a Rain Sensor:.....Yes No N/A

Preprogramming Irrigation System to Water Only at

Prescribed Rates and Times:.....Yes No N/A

Reuse Existing Concrete Foundations When Possible... Yes No N/A

Use Water Efficient Landscaping.....Yes No N/A

Clean Manholes, Curb Inlets, Drop Inlets, Trench Drains,

Gratings, and Frames of Construction Debris, Dirt,

and Trash.....Yes No N/A

Area Not Remediated:
All Excavated

Yard Area:
Lawn
Outlawn

Not Included in Yard Area:
House
Garage
Driveway
Approach
Sidewalk

Excavated All



MIDLAND RESOLUTION

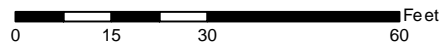
LEGEND

- Remediated Area
- Property

Total Yard Area:
3741 sq. ft.

Area Excavated:
3741 sq. ft.

Total Area Not Excavated:
0 sq. ft.



Parcel 14-15-50-728
Midland Resolution Soil Replacement

Dow Midland Soils Remedy Worksheet

Site Address: 1414 Jefferson Ave

Parcel: 14-15-50-728

Date: 4-Nov-13

Initial Soil Sample		Soil Remedy Result:
315	Soil Result (ppt)	REMEDY
<i>If < or = 220, No Remedy</i> <i>If > 280, Remedy</i> <i>If >220 but < or = 280, Test Replicates</i>		

Replicate Soil Samples		Soil Replicate Remedy Result:
--	Initial soil result (ppt)	--
--	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)	
<i>If > 250, Remedy</i> <i>If < or = 250, No Remedy</i>		

If Soil Remedy Required, Evaluate Indoor Dust:		Indoor Dust Remedy Result:
315	Initial soil result or 95% UCL if replicates were required (ppt)	NO REMEDY
3741	Area of yard (ft ²) (area as sampled)	
0	Area not remedied (ft ²)	
15	Surface Weighted Average (SWA) (ppt)	
0%	% Undisturbed Remaining Soil (URS)	
<u>5.87E-06</u>	<i>Risk is acceptable if < or = 10⁻⁵</i>	

CONSTRUCTION QUALITY ASSURANCE FORM MIDLAND RESOLUTION CENTER

PROPERTY INFORMATION

Property Owner: Annette O'Brien	Property Address: 1414 Jefferson St.
Contract Personnel: <ul style="list-style-type: none"> Kappen Tree Service – 7/22/13 Reliable Plumbing – 7/25/13 Servinski Fisher Pats 	Contractor Equipment: <ul style="list-style-type: none"> Kappen: Bucket Truck, Chipper, Log Truck Reliable: Hand Tools Servinski: Excavator, Mini Excavator, Bobcats Fisher: Hand Tools Pats: Trucks
Field Person: Gary Waugh	Date: 7/29/13

DESCRIPTION OF SOILS REMOVAL

Remediation Area (Sq Ft): 3766	Yards In: 0	Yards Out: 135 * See Below
Description of Cut Depth: All soils within the remediation area square footage were removed to an average depth of 12 inches.		
Verification Method:	Measured cut depth at excavation line	Date Verified/Initial: 7/29/13 GW
Describe soils remaining: No remaining soils		

DESCRIPTION OF FIELD ACTIVITIES:

Kappen Tree Service: Was on site 7/22/13 and removed the select trees. Wood chips and logs were hauled to the Allied staging area.

Reliable Plumbing: Was on site 7/25/13 and installed the backflow preventer and necessary plumbing to accommodate the irrigation system.

Servinski/Fisher: Began and completed the soils dig out. Bobcats were used to excavate the majority of the soils. The mini excavator was used to excavate soils from around the house and along the driveway and sidewalks. Water was applied to the soil as needed to control dust. The soils were hauled by bobcats to the rear yard area of 1418 Jefferson which is a corner lot bound by Jefferson and Arbury Streets. The soils were then loaded into trucks along Arbury. No catch basins were located within a 100 ft. of this site so filters were not necessary. At the end of the day silt fence was installed at the curb line along Jefferson St.

* Yards Out:

135yds – Soil relocated to (Dow MIOPS WIF Project)

Gary Waugh

7/29/13

Field Representative Signature

Date

Weather: Partly cloudy, 55 – 70, light winds

CONSTRUCTION QUALITY ASSURANCE FORM

MIDLAND RESOLUTION CENTER

PROPERTY INFORMATION

Property Owner: Annette O'Brien	Property Address: 1414 Jefferson St.
Contract Personnel: <ul style="list-style-type: none"> • Servinski • Fisher • Pats • Sugar Construction 	Contractor Equipment: <ul style="list-style-type: none"> • Servinski: Mini Excavator, Bobcats • Fisher: Hand Tools • Pats: Trucks • Sugar: Hand Tools
Field Person: Gary Waugh	Date: 7/30/13

DESCRIPTION OF SOILS REMOVAL

Remediation Area (Sq Ft): 3766	Yards In: 105 *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 Method:	Measured cut depth at excavation line	Date Verified/Initial: 7/29/13 GW
Describe soils remaining: No remaining soils		

DESCRIPTION OF FIELD ACTIVITIES:

Sugar Construction: Formed and poured the concrete for the new service sidewalk 3ft x 24ft, a section of city sidewalk 4ft x 30ft and the rear patio 10ft x 10ft.

Servinski/Fisher: Began importing and placing topsoil. At the end of the day silt fence was reinstalled at the curb line along Jefferson St.

* Yards In:
105yds - Topsoil

Gary Waugh

7/30/13

Field Representative Signature

Date

Weather: Clear, 50 – 75, light winds

CONSTRUCTION QUALITY ASSURANCE FORM

MIDLAND RESOLUTION CENTER

PROPERTY INFORMATION

Property Owner: Annette O'Brien	Property Address: 1414 Jefferson St.
Contract Personnel: <ul style="list-style-type: none"> • Servinski • Fisher • Pats • Kokaly 	Contractor Equipment: <ul style="list-style-type: none"> • Servinski: Mini Excavator, Bobcats • Fisher: Hand Tools • Pats: Trucks • Kokaly: Hand Tools
Field Person: Gary Waugh	Date: 8/1/13

DESCRIPTION OF SOILS REMOVAL

Remediation Area (Sq Ft): 3766	Yards In: 75 *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 Method:	Measured cut depth at excavation line	Date Verified/Initial: 7/29/13 GW
Describe soils remaining: No remaining soils		

DESCRIPTION OF FIELD ACTIVITIES:

Note: No work was performed on 7/31/13. Rain occurred throughout the day.

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

Servinski/Fisher: Completed importing and placing topsoil. Landscape beds were defined and edging was installed. Trees, shrubs and flowers were planted. At the end of the day silt fence was reinstalled at the curb line along Jefferson St.

* Yards In:
75yrs - Topsoil

Gary Waugh

8/1//13

Field Representative Signature

Date

Weather: Partly cloudy, 64 – 78, light winds

CONSTRUCTION QUALITY ASSURANCE FORM MIDLAND RESOLUTION CENTER

PROPERTY INFORMATION

Property Owner: Annette O'Brien	Property Address: 1414 Jefferson St.
Contract Personnel: <ul style="list-style-type: none"> • Servinski • Fisher 	Contractor Equipment: <ul style="list-style-type: none"> • Servinski: Mini Excavator, Bobcats • Fisher: Hand Tools
Field Person: Gary Waugh	Date: 8/2/13

DESCRIPTION OF SOILS REMOVAL

Remediation Area (Sq Ft): 3766	Yards In: 75 *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 Method:	Measured cut depth at excavation line	Date Verified/Initial: 7/29/13 GW
Describe soils remaining: No remaining soils		

DESCRIPTION OF FIELD ACTIVITIES:

Note: No work was performed on 7/31/13. Rain occurred throughout the day.

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

Servinski/Fisher: Completed importing and placing topsoil. Landscape beds were defined and edging was installed. Trees, shrubs and flowers were planted. At the end of the day silt fence was reinstalled at the curb line along Jefferson St.

* Yards In:
75yds - Topsoil

Gary Waugh

8/1//13

Field Representative Signature

Date

Weather: Partly cloudy, 64 – 78, light winds

CONSTRUCTION QUALITY ASSURANCE FORM

MIDLAND RESOLUTION CENTER

PROPERTY INFORMATION

Property Owner: Annette O'Brien	Property Address: 1414 Jefferson St.
Contract Personnel: <ul style="list-style-type: none"> • Servinski • Fisher 	Contractor Equipment: <ul style="list-style-type: none"> • Servinski: Mini Excavator, Bobcats • Fisher: Hand Tools
Field Person: Gary Waugh	Date: 8/2/13

DESCRIPTION OF SOILS REMOVAL

Remediation Area (Sq Ft): 3766	Yards In: *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 Method:	Measured cut depth at excavation line	Date Verified/Initial: 7/29/13 GW
Describe soils remaining: No remaining soils		

DESCRIPTION OF FIELD ACTIVITIES:

Servinski/Fisher: Placed drainage stone and hardwood mulch in the appropriate landscape bed. Sod placed and trimmed. A complete site cleanup was performed. The irrigation system was turned on and final adjustments were made. Silt fence was removed. 1414 Jefferson is complete pending a walk through with the property owner.

- * Yards In:
- 10yds – Drainage Stone
 - 3yds – Stone Mix
 - 4yds – Hardwood Mulch

Gary Waugh

8/2//13

Field Representative Signature

Date

Weather: Clear, 58 – 78, light winds

Green Remediation Assurance Form
Midland Resolution

Property Information

Property Owner: Annette O'Brien Contract Personnel: Pat's Trucking, Servinski

Property Address: 1414 Jefferson St.

Field Person: Gary Waugh

Date: 7/30/2013

Fuel Usage

Low Sulfur Diesel Used:.....Yes No N/A

Equipment

Tier 3 and Tier 4 Diesel Motors Manufactured

After 2006:.....Yes No N/A

Equipment Shut Off When Not In Use (No Idling):.....Yes No N/A

Equipment Inspected For Leaks, Seepages, ETC:.....Yes No N/A

Administrative

Vegetation and Plants Supplied Locally:.....Yes No N/A

Local Subcontractors Used:.....Yes No N/A

Borrow Pit Source Selected Closer to Project but Within

Mandated Radius Criteria:.....Yes No N/A

Waste Management

Waste Generated Recycled (0)%:.....Yes No N/A

Wood/Tree's Removed Chipped and Staged for Use

Along Tittabawasse River Flood Plain as Barrier

Or Dust Control:.....Yes No N/A

Landscaping/Perennial Plants Brought to Site in

Recyclable Pots that Will Be Collected and Reused

By Supplier:.....Yes No N/A

Project Controls

Recycled Newspaper Used as Binder for Hydroseeding

Portions:.....Yes No N/A

Geosynthetics Used on Property Access Area:.....Yes No N/A

Tarps Used on Trucks During Soil Removal:.....Yes No N/A

Tarps Used on Borrow Trucks:.....Yes No N/A

Active Dust Management System Used:.....Yes No N/A

Phosphate Free Fertilizers Used:.....Yes No N/A

Removed Soil Taken to Dow Plant For Reuse in Facility:.....Yes No N/A

Use of Sod as the Preferred Revegetation Tool:.....Yes No N/A

Upgrading Irrigation Controls to Include a Rain Sensor:.....Yes No N/A

Preprogramming Irrigation System to Water Only at

Prescribed Rates and Times:.....Yes No N/A

Reuse Existing Concrete Foundations When Possible... Yes No N/A

Use Water Efficient Landscaping.....Yes No N/A

Clean Manholes, Curb Inlets, Drop Inlets, Trench Drains,

Gratings, and Frames of Construction Debris, Dirt,

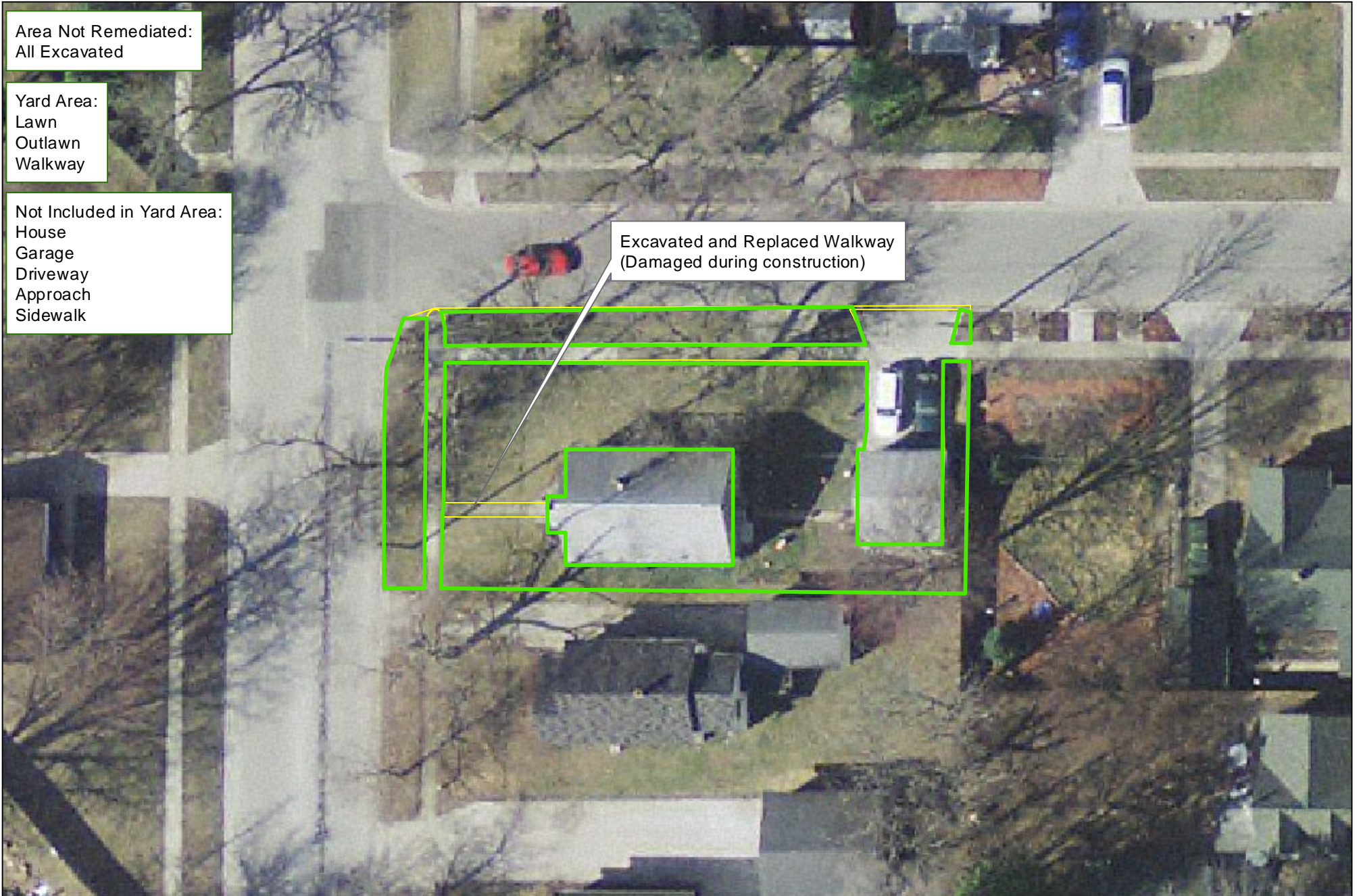
and Trash.....Yes No N/A

Area Not Remediated:
All Excavated

Yard Area:
Lawn
Outlawn
Walkway

Not Included in Yard Area:
House
Garage
Driveway
Approach
Sidewalk

Excavated and Replaced Walkway
(Damaged during construction)



MIDLAND RESOLUTION

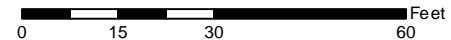
LEGEND

- Remediated Area
- Property

Total Yard Area:
5960 sq. ft.

Area Excavated:
5960 sq. ft.

Total Area Not Excavated:
0 sq. ft.



Parcel 14-15-50-726
Midland Resolution Soil Replacement

Dow Midland Soils Remedy Worksheet

Site Address: 1418 Jefferson Ave.

Parcel: 14-15-50-726

Date: 4-Nov-13

Initial Soil Sample

380

Soil Result (ppt)

Soil Remedy Result:

REMEDY

If < or = 220, No Remedy

If > 280, Remedy

If >220 but < or = 280, Test Replicates

Replicate Soil Samples

--

Initial soil result (ppt)

--

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

Soil Replicate

Remedy Result:

--

If Soil Remedy Required, Evaluate Indoor Dust:

380

Initial soil result or 95% UCL if replicates were required (ppt)

5960

Area of yard (ft²) (area as sampled)

0

Area not remedied (ft²)

15

Surface Weighted Average (SWA) (ppt)

0%

% Undisturbed Remaining Soil (URS)

7.01E-06

Risk is acceptable if < or = 10⁻⁵

Indoor Dust

Remedy Result:

NO REMEDY

CONSTRUCTION QUALITY ASSURANCE FORM

MIDLAND RESOLUTION CENTER

PROPERTY INFORMATION

Property Owner: Sharon Penbara	Property Address: 1418 Jefferson St.
Contract Personnel: <ul style="list-style-type: none"> • Kappen Tree Service – 7/23/13 • Servinski • Fisher • Pats • Reliable Plumbing 	Contractor Equipment: <ul style="list-style-type: none"> • Kappen: Bucket Truck, Chipper, Log Truck • Servinski: Excavator, Mini Excavator, Bobcats • Fisher: Hand Tools • Pats: Trucks • Reliable: Hand Tools
Field Person: Gary Waugh	Date: 7/30/13

DESCRIPTION OF SOILS REMOVAL

Remediation Area (Sq Ft):	Yards In:	Yards Out: 330 * See Below
Description of Cut Depth: All soils within the remediation area square footage were removed to an average depth of 12 inches.		
Verification Method:	Measured depth cut at excavation line	Date Verified/Initial: 7/30/13 GW
Describe soils remaining: No remaining soils		

DESCRIPTION OF FIELD ACTIVITIES:

Kappen Tree Service: Was onsite 7/23/13 and removed the select trees. Wood chips and logs were hauled to the Allied staging area.

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

Servinski/Fisher: Began and completed the soils dig out. 1418 Jefferson is a corner lot bound by Jefferson and Arbury streets. The excavated soils were moved to the out lawn area along Arbury St. where they were loaded into trucks. There were no catch basins located within 100ft of the site, so filters were not needed. The street sweeper cleaned along Jefferson and Arbury streets as needed throughout the day. Silt fence was installed at the curb line along Jefferson and Arbury.

* Yards Out:

15yrd – Concrete and debris were hauled to (Midland City Landfill) for disposal

315yrd – Soil relocated to (Dow MIOPS WIF Project)

Gary Waugh

7/30/13

Field Representative Signature

Date

Weather: Clear, 55 – 75, light winds

CONSTRUCTION QUALITY ASSURANCE FORM

MIDLAND RESOLUTION CENTER

PROPERTY INFORMATION

Property Owner: Sharon Penbara	Property Address: 1418 Jefferson St.
Contract Personnel: <ul style="list-style-type: none"> • Servinski • Fisher • Pats • Sugar Construction 	Contractor Equipment: <ul style="list-style-type: none"> • Servinski: Excavator, Mini Excavator, Bobcats • Fisher: Hand Tools • Pats: Trucks • Sugar: Hand Tools
Field Person: Gary Waugh	Date: 8/1/13

DESCRIPTION OF SOILS REMOVAL

Remediation Area (Sq Ft):	Yards In: 285 * See Below	Yards Out: * See Below
Description of Cut Depth:		
All soils within the remediation area square footage were removed to an average depth of 12 inches.		
Verification Method:	Measured depth cut at excavation line	Date Verified/Initial: 7/30/13 GW
Describe soils remaining: No remaining soils		

DESCRIPTION OF FIELD ACTIVITIES:

Note: No work was performed on 7/31/13. Rain occurred throughout the day.

Sugar Construction: Formed and poured the concrete for the front service sidewalk 4ft x 24ft.

Servinski/Fisher: Began and completed importing and placing the topsoil. Some of the landscape beds were laid out and edging installed. The street sweeper cleaned along Jefferson and Arbury streets as needed throughout the day. Silt fence was reinstalled at the curb line along Jefferson and Arbury.

* Yards Out:

15yrs – Concrete and debris were hauled to (Midland City Landfill) for disposal

* Yards In:

285yrs - Topsoil

Gary Waugh

8/1/13

Field Representative Signature

Date

Weather: Partly cloudy, 64 – 78, light winds

Green Remediation Assurance Form
Midland Resolution

Property Information

Property Owner: Sharon Penbara Contract Personnel: Pat's Trucking, Servinski

Property Address: 1418 Jefferson St.

Field Person: Gary Waugh

Date: 7/30/2013

Fuel Usage

Low Sulfur Diesel Used:.....Yes No N/A

Equipment

Tier 3 and Tier 4 Diesel Motors Manufactured

After 2006:.....Yes No N/A

Equipment Shut Off When Not In Use (No Idling):.....Yes No N/A

Equipment Inspected For Leaks, Seepages, ETC:.....Yes No N/A

Administrative

Vegetation and Plants Supplied Locally:.....Yes No N/A

Local Subcontractors Used:.....Yes No N/A

Borrow Pit Source Selected Closer to Project but Within

Mandated Radius Criteria:.....Yes No N/A

Waste Management

Waste Generated Recycled (0)%:.....Yes No N/A

Wood/Tree's Removed Chipped and Staged for Use

Along Tittabawasse River Flood Plain as Barrier

Or Dust Control:.....Yes No N/A

Landscaping/Perennial Plants Brought to Site in

Recyclable Pots that Will Be Collected and Reused

By Supplier:.....Yes No N/A

Project Controls

Recycled Newspaper Used as Binder for Hydroseeding

Portions:.....Yes No N/A

Geosynthetics Used on Property Access Area:.....Yes No N/A

Tarps Used on Trucks During Soil Removal:.....Yes No N/A

Tarps Used on Borrow Trucks:.....Yes No N/A

Active Dust Management System Used:.....Yes No N/A

Phosphate Free Fertilizers Used:.....Yes No N/A

Removed Soil Taken to Dow Plant For Reuse in Facility:....Yes No N/A

Use of Sod as the Preferred Revegetation Tool:.....Yes No N/A

Upgrading Irrigation Controls to Include a Rain Sensor:.....Yes No N/A

Preprogramming Irrigation System to Water Only at

Prescribed Rates and Times:.....Yes No N/A

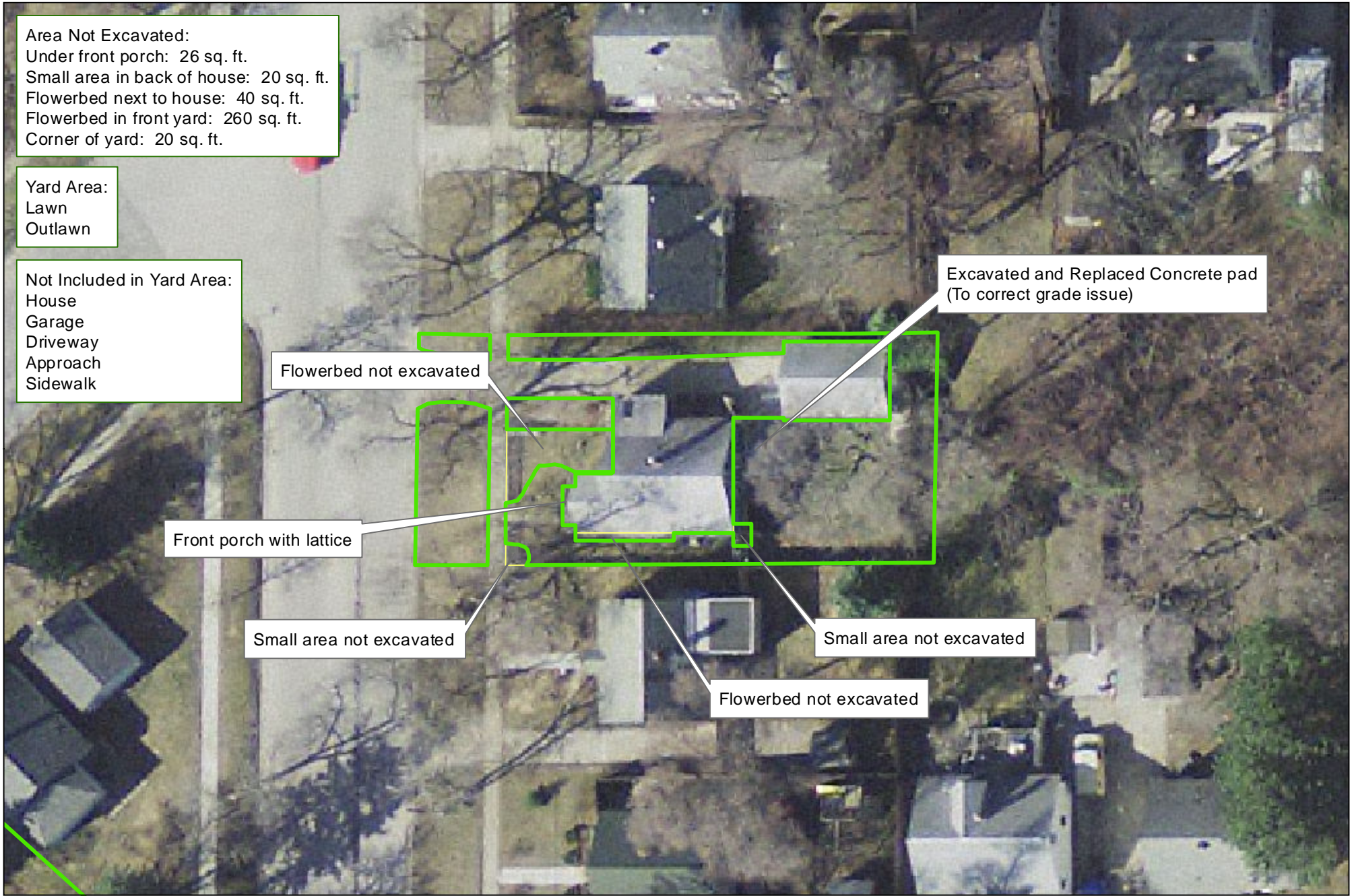
Reuse Existing Concrete Foundations When Possible... Yes No N/A

Use Water Efficient Landscaping.....Yes No N/A

Clean Manholes, Curb Inlets, Drop Inlets, Trench Drains,

Gratings, and Frames of Construction Debris, Dirt,

and Trash.....Yes No N/A



Area Not Excavated:
 Under front porch: 26 sq. ft.
 Small area in back of house: 20 sq. ft.
 Flowerbed next to house: 40 sq. ft.
 Flowerbed in front yard: 260 sq. ft.
 Corner of yard: 20 sq. ft.

Yard Area:
 Lawn
 Outlawn

Not Included in Yard Area:
 House
 Garage
 Driveway
 Approach
 Sidewalk

Excavated and Replaced Concrete pad
 (To correct grade issue)

Flowerbed not excavated

Front porch with lattice

Small area not excavated

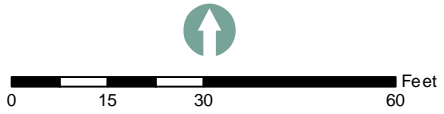
Small area not excavated

Flowerbed not excavated



LEGEND
 Remediaded Area
 Property

Total Yard Area: 3955 sq. ft.
 Area Excavated: 3589 sq. ft.
 Total Area Not Excavated: 366 sq. ft.



Parcel 14-15-50-504
 Midland Resolution Soil Replacement

Dow Midland Soils Remedy Worksheet

Site Address: 1510 Jefferson Ave.

Parcel: 14-15-50-504

Date: 6-Nov-13

Initial Soil Sample		Soil Remedy Result:
281	Soil Result (ppt)	REMEDY
<i>If < or = 220, No Remedy</i> <i>If > 280, Remedy</i> <i>If >220 but < or = 280, Test Replicates</i>		

Replicate Soil Samples		Soil Replicate Remedy Result:
--	Initial soil result (ppt)	--
--	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)	
<i>If > 250, Remedy</i> <i>If < or = 250, No Remedy</i>		

If Soil Remedy Required, Evaluate Indoor Dust:		Indoor Dust Remedy Result:
281	Initial soil result or 95% UCL if replicates were required (ppt)	NO REMEDY
3955	Area of yard (ft ²) (area as sampled)	
366	Area not remedied (ft ²)	
40	Surface Weighted Average (SWA) (ppt)	
9%	% Undisturbed Remaining Soil (URS)	
<u>5.78E-06</u>	<i>Risk is acceptable if < or = 10⁻⁵</i>	

CONSTRUCTION QUALITY ASSURANCE FORM

MIDLAND RESOLUTION CENTER

PROPERTY INFORMATION

Property Owner: Margo Dowling	Property Address: 1510 Jefferson St.
Contract Personnel: <ul style="list-style-type: none"> • Servinski • Fisher • Pats • Reliable Plumbing 	Contractor Equipment: <ul style="list-style-type: none"> • Servinski: Excavator, Mini Excavator, Bobcat • Fisher: Hand Tools • Pats: Trucks • Reliable: Hand Tools
Field Person: Gary Waugh	Date: 9/16/13

DESCRIPTION OF SOILS REMOVAL

Remediation Area (Sq Ft): 2613	Yards In: 79 * See Below	Yards Out: 124 * See Below
Description of Cut Depth: All soils within the remediation area square footage were removed to an average depth of 2 inches.		
Verification Method:	Measured depth of cut at excavation line	Date Verified/Initial: 9/16/13 GW
Describe soils remaining: Approximately 323 sq ft of existing flower beds were left in place undisturbed.		

DESCRIPTION OF FIELD ACTIVITIES:

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

Servinski/Fisher: Began and completed the soils dig out and completed importing, placing and grading the topsoil. Catch basin filters and silt fence were in place and in good condition.

* Yards Out:

124yrds – Soil relocated to (MIOPS Dow Poseyville Landfill MAS Stockpile Area)

* Yards In:

63yrds – Topsoil

9yrds – Stone Mix

7yrds – Drainage Stone

Gary Waugh

9/16/13

Field Representative Signature

Date

Weather: Clear, 50 – 65, light winds

CONSTRUCTION QUALITY ASSURANCE FORM MIDLAND RESOLUTION CENTER

PROPERTY INFORMATION

Property Owner: Margo Dowling	Property Address: 1510 Jefferson St.
Contract Personnel: <ul style="list-style-type: none"> • Servinski • Fisher • Kokaly 	Contractor Equipment: <ul style="list-style-type: none"> • Servinski: Bobcat • Fisher: Hand Tools • Kokaly: Hand Tools
Field Person: Gary Waugh	Date: 9/17/13

DESCRIPTION OF SOILS REMOVAL

Remediation Area (Sq Ft): 2613	Yards In: ?? * See Below	Yards Out: 124 * See Below
Description of Cut Depth: All soils within the remediation area square footage were removed to an average depth of 2 inches.		
Verification Method:	Measured depth of cut at excavation line	Date Verified/Initial: 9/16/13 GW
Describe soils remaining: Approximately 323 sq ft of existing flower beds were left in place undisturbed.		

DESCRIPTION OF FIELD ACTIVITIES:

Kokaly: On site and installed the irrigation system piping, low voltage wiring, valves and sprinkler heads. A system function check was performed.

Servinski/Fisher: Topsoil was final prepped and hand raked. Sod was placed and trimmed. Catch basin filters and silt fence were removed. A final site cleanup was performed. 1510 Jefferson is complete pending a walk through with the property owner.

Gary Waugh

9/17/13

Field Representative Signature

Date

Weather: Clear, 48 – 68, light winds

Green Remediation Assurance Form
Midland Resolution

Property Information

Property Owner: Margo Dowling Contract Personnel: Pat's Trucking, Servinski
Property Address: 1510 Jefferson St.
Field Person: Gary Waugh Date: 9/17/2013

Fuel Usage

Low Sulfur Diesel Used:.....Yes No N/A

Equipment

Tier 3 and Tier 4 Diesel Motors Manufactured
After 2006:.....Yes No N/A
Equipment Shut Off When Not In Use (No Idling):.....Yes No N/A
Equipment Inspected For Leaks, Seepages, ETC:.....Yes No N/A

Administrative

Vegetation and Plants Supplied Locally:.....Yes No N/A
Local Subcontractors Used:.....Yes No N/A
Borrow Pit Source Selected Closer to Project but Within
Mandated Radius Criteria:.....Yes No N/A

Waste Management

Waste Generated Recycled (0)%:.....Yes No N/A
Wood/Tree's Removed Chipped and Staged for Use
Along Tittabawassee River Flood Plain as Barrier
Or Dust Control:.....Yes No N/A
Landscaping/Perennial Plants Brought to Site in
Recyclable Pots that Will Be Collected and Reused
By Supplier:.....Yes No N/A

Project Controls

Recycled Newspaper Used as Binder for Hydroseeding
Portions:.....Yes No N/A
Geosynthetics Used on Property Access Area:.....Yes No N/A
Tarps Used on Trucks During Soil Removal:.....Yes No N/A
Tarps Used on Borrow Trucks:.....Yes No N/A
Active Dust Management System Used:.....Yes No N/A
Phosphate Free Fertilizers Used:.....Yes No N/A
Removed Soil Taken to Dow Plant For Reuse in Facility:....Yes No N/A
Use of Sod as the Preferred Revegetation Tool:.....Yes No N/A
Upgrading Irrigation Controls to Include a Rain Sensor:.....Yes No N/A
Preprogramming Irrigation System to Water Only at
Prescribed Rates and Times:.....Yes No N/A
Reuse Existing Concrete Foundations When Possible... Yes No N/A
Use Water Efficient Landscaping.....Yes No N/A
Clean Manholes, Curb Inlets, Drop Inlets, Trench Drains,
Gratings, and Frames of Construction Debris, Dirt,
and Trash.....Yes No N/A

Area Not Excavated:
All Excavated

Yard Area:
Lawn
Outlawn

Not Included in Yard Area:
House
Garage
Driveway
Approach
Sidewalk



MIDLAND RESOLUTION

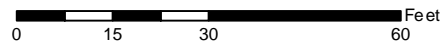
LEGEND

- Remediated Area
- Property

Total Yard Area:
6689 sq. ft.

Area Excavated:
6689 sq. ft.

Total Area Not Excavated:
0 sq. ft.



Parcel 14-15-60-478
Midland Resolution Sampling Plan

Dow Midland Soils Remedy Worksheet

Site Address: 2006 Jefferson Ave.

Parcel: 14-15-60-478

Date: 4-Nov-13

Initial Soil Sample		Soil Remedy Result:
322	Soil Result (ppt)	REMEDY
<i>If < or = 220, No Remedy</i> <i>If > 280, Remedy</i> <i>If >220 but < or = 280, Test Replicates</i>		

Replicate Soil Samples		Soil Replicate Remedy Result:
--	Initial soil result (ppt)	--
--	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)	
<i>If > 250, Remedy</i> <i>If < or = 250, No Remedy</i>		

If Soil Remedy Required, Evaluate Indoor Dust:		Indoor Dust Remedy Result:
322	Initial soil result or 95% UCL if replicates were required (ppt)	NO REMEDY
6689	Area of yard (ft ²) (area as sampled)	
0	Area not remedied (ft ²)	
15	Surface Weighted Average (SWA) (ppt)	
0%	% Undisturbed Remaining Soil (URS)	
<u>5.99E-06</u>	<i>Risk is acceptable if < or = 10⁻⁵</i>	

CONSTRUCTION QUALITY ASSURANCE FORM

MIDLAND RESOLUTION CENTER

PROPERTY INFORMATION

Property Owner: Betty Sjolander	Property Address: 2006 Jefferson St.
Contract Personnel: <ul style="list-style-type: none"> • Servinski • Fisher • Pats 	Contractor Equipment: <ul style="list-style-type: none"> • Servinski: Excavator, Dozer, Bobcat • Fisher: Hand Tools • Pats: Trucks
Field Person: Gary Waugh	Date: 10/28/13

DESCRIPTION OF SOILS REMOVAL

Remediation Area (Sq Ft): 5346	Yards In: 0	Yards Out: 300 * See Below
Description of Cut Depth: All soils within the remediation area square footage were removed to an average depth of 12 inches.		
Verification Method:	Measured depth of cut at excavation line	Date Verified/Initial: 10/28/13 GW/SS
Describe soils remaining: No remaining soils		

DESCRIPTION OF FIELD ACTIVITIES:

Servinski/Fisher: The crew began and completed the soils dig out using and excavator to remove and direct load the soils. Catch basin filters were installed and silt fence was in place along Jefferson St.

* Yards Out:

- 15yrds – Concrete and debris were hauled to (Midland City Landfill) for disposal
- 285yrds – Soil relocated to (Dow MIOPS Poseyville Landfill MAS Stockpile Area)

Gary Waugh

10/28/13

Field Representative Signature

Date

Weather: Clear, 35 – 48, light winds

CONSTRUCTION QUALITY ASSURANCE FORM

MIDLAND RESOLUTION CENTER

PROPERTY INFORMATION

Property Owner: Betty Sjolander	Property Address: 2006 Jefferson St.
Contract Personnel: <ul style="list-style-type: none"> • Servinski • Fisher • Pats • Sugar Construction • Kokaly • Reliable Plumbing 	Contractor Equipment: <ul style="list-style-type: none"> • Servinski: Excavator, Dozer, Bobcat • Fisher: Hand Tools • Pats: Trucks • Sugar: Hand Tools • Kokaly: Hand Tool • Reliable: Hand Tools
Field Person: Gary Waugh	Date: 10/29/13

DESCRIPTION OF SOILS REMOVAL

Remediation Area (Sq Ft): 5346	Yards In: 243 * See Below	Yards Out:
Description of Cut Depth:		
All soils within the remediation area square footage were removed to an average depth of 12 inches.		
Verification Method:	Measured depth of cut at excavation line	Date Verified/Initial: 10/28/13 GW/SS
Describe soils remaining: No remaining soils		

DESCRIPTION OF FIELD ACTIVITIES:

Sugar Construction: Formed and poured the concrete for the new front service sidewalk and new rear patio walk.

Kokaly/Reliable Plumbing: Reliable installed the plumbing and backflow preventer for the irrigation system and Kokaly installed the irrigation piping, wiring and valves.

Servinski/Fisher: The crew imported and placed the topsoil, laid out landscape beds and installed the edging. Shrubs and trees were planted and drainage stone and hardwood mulch were placed in the beds. Once Kokaly completed the irrigation system the topsoil was final graded and hand prepped. Sod was placed and trimmed. A final site cleanup was performed. 2006 Jefferson is complete pending a walk through with the property owner.

* Yards In:

- 210yds – Topsoil
- 18yds – Sand
- 8yds – Drainage Stone
- 7yds – Hardwood Mulch

Gary Waugh

10/29/13

Field Representative Signature

Date

Weather: Clear, 40 – 50, light winds

Green Remediation Assurance Form
Midland Resolution

Property Information

Property Owner: Betty Sjolander
Property Address: 2006 Jefferson
Field Person: Gary Waugh

Contract Personnel: Pat's Trucking, Servinski
Date: 10/29/2013

Fuel Usage

Low Sulfur Diesel Used:.....Yes No N/A

Equipment

Tier 3 and Tier 4 Diesel Motors Manufactured
After 2006:.....Yes No N/A
Equipment Shut Off When Not In Use (No Idling):.....Yes No N/A
Equipment Inspected For Leaks, Seepages, ETC:.....Yes No N/A

Administrative

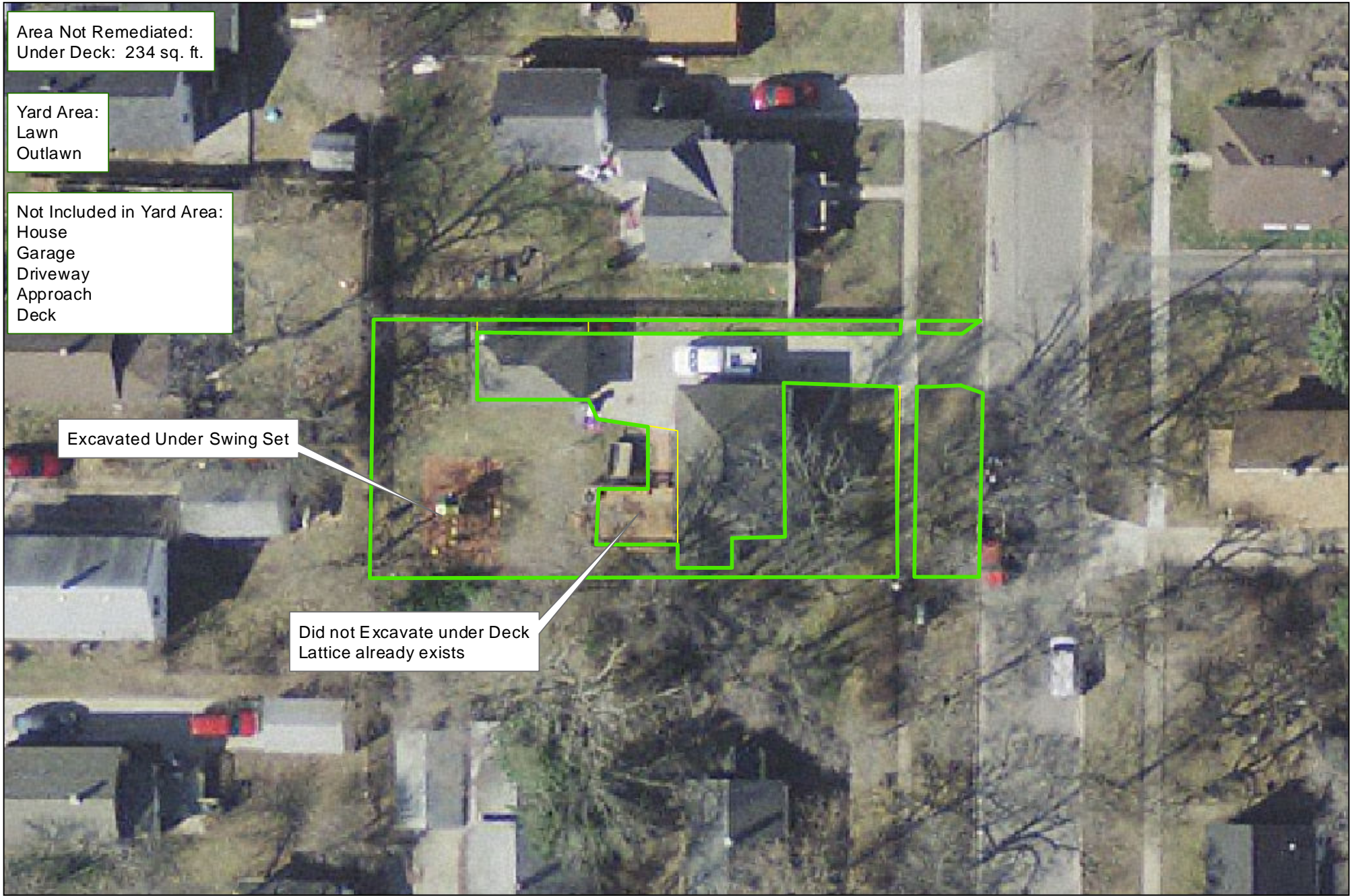
Vegetation and Plants Supplied Locally:.....Yes No N/A
Local Subcontractors Used:.....Yes No N/A
Borrow Pit Source Selected Closer to Project but Within
Mandated Radius Criteria:.....Yes No N/A

Waste Management

Waste Generated Recycled (0)%:.....Yes No N/A
Wood/Tree's Removed Chipped and Staged for Use
Along Tittabawasse River Flood Plain as Barrier
Or Dust Control:.....Yes No N/A
Landscaping/Perennial Plants Brought to Site in
Recyclable Pots that Will Be Collected and Reused
By Supplier:.....Yes No N/A

Project Controls

Recycled Newspaper Used as Binder for Hydroseeding
Portions:.....Yes No N/A
Geosynthetics Used on Property Access Area:.....Yes No N/A
Tarps Used on Trucks During Soil Removal:.....Yes No N/A
Tarps Used on Borrow Trucks:.....Yes No N/A
Active Dust Management System Used:.....Yes No N/A
Phosphate Free Fertilizers Used:.....Yes No N/A
Removed Soil Taken to Dow Plant For Reuse in Facility:....Yes No N/A
Use of Sod as the Preferred Revegetation Tool:.....Yes No N/A
Upgrading Irrigation Controls to Include a Rain Sensor:.....Yes No N/A
Preprogramming Irrigation System to Water Only at
Prescribed Rates and Times:.....Yes No N/A
Reuse Existing Concrete Foundations When Possible...Yes No N/A
Use Water Efficient Landscaping.....Yes No N/A
Clean Manholes, Curb Inlets, Drop Inlets, Trench Drains,
Gratings, and Frames of Construction Debris, Dirt,
and Trash.....Yes No N/A



Area Not Remediated:
Under Deck: 234 sq. ft.

Yard Area:
Lawn
Outlawn

Not Included in Yard Area:
House
Garage
Driveway
Approach
Deck

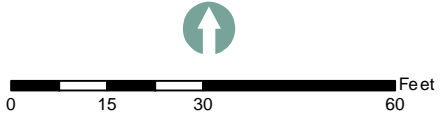
Excavated Under Swing Set

Did not Excavate under Deck
Lattice already exists



LEGEND
Remediated Area
Property

Total Yard Area: 5466 sq. ft.
Area Excavated: 5232 sq. ft.
Area Not Excavated: 234 sq. ft.



Parcel 14-15-50-752
Midland Resolution Soil Replacements

Dow Midland Soils Remedy Worksheet

Site Address: 1309 Lincoln Street

Parcel: 14-15-50-752

Date: 4-Nov-13

Initial Soil Sample		Soil Remedy Result:
300	Soil Result (ppt)	REMEDY
<i>If < or = 220, No Remedy</i> <i>If > 280, Remedy</i> <i>If >220 but < or = 280, Test Replicates</i>		

Replicate Soil Samples		Soil Replicate Remedy Result:
--	Initial soil result (ppt)	--
--	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)	
<i>If > 250, Remedy</i> <i>If < or = 250, No Remedy</i>		

If Soil Remedy Required, Evaluate Indoor Dust:		Indoor Dust Remedy Result:
300	Initial soil result or 95% UCL if replicates were required (ppt)	NO REMEDY
5466	Area of yard (ft ²) (area as sampled)	
234	Area not remedied (ft ²)	
27	Surface Weighted Average (SWA) (ppt)	
4%	% Undisturbed Remaining Soil (URS)	
5.86E-06	<i>Risk is acceptable if < or = 10⁻⁵</i>	

CONSTRUCTION QUALITY ASSURANCE FORM

MIDLAND RESOLUTION CENTER

PROPERTY INFORMATION

Property Owner: Krystal Almond	Property Address: 1309 Lincoln
Contract Personnel: <ul style="list-style-type: none"> Kappen Tree Service – 6/5/13 Servinski Fisher 	Contractor Equipment: <ul style="list-style-type: none"> Kappen: Bucket Truck, Chipper, Log Truck Servinski: Excavator, Dozer, Bobcats Fisher: Hand Tools
Field Person: Gary Waugh	Date: 6/17/13

DESCRIPTION OF SOILS REMOVAL

Remediation Area (Sq Ft): 6494	Yards In: 0	Yards Out: 315 *See Below
Description of Cut Depth: All soils within the remediation area square footage were removed to an average depth of 12 inches		
Verification Method:	Laser level used to check cut depth	Date Verified/Initial: 6/17/13 GW
Describe soils remaining: No soils remaining.		

DESCRIPTION OF FIELD ACTIVITIES:

Kappen Tree Service: Was on site 6/5/13 and removed the select trees and shrubs. All wood chips and logs were hauled to the Allied staging area.

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

* Yards Out:

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

300yrds – Soil relocated to (MIOPS Dow WIF project)

Gary Waugh

6/17/13

Field Representative Signature

Date

Weather: Partly cloudy, 64 – 75, light winds

CONSTRUCTION QUALITY ASSURANCE FORM MIDLAND RESOLUTION CENTER

PROPERTY INFORMATION

Property Owner: Krystal Almond	Property Address: 1309 Lincoln
Contract Personnel: <ul style="list-style-type: none"> • Servinski • Fisher • M & M 	Contractor Equipment: <ul style="list-style-type: none"> • Servinski: Excavator, Dozer, Bobcats • Fisher: Hand Tools • M & M; Stump Grinder
Field Person: Gary Waugh	Date: 6/18/13

DESCRIPTION OF SOILS REMOVAL

Remediation Area (Sq Ft): 6494	Yards In: 180 * See Below	Yards Out: 45 *See Below
Description of Cut Depth: All soils within the remediation area square footage were removed to an average depth of 12 inches		
Verification Method:	Laser level used to check cut depth	Date Verified/Initial: 6/17/13 GW
Describe soils remaining: No soils remaining.		

DESCRIPTION OF FIELD ACTIVITIES:

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

Servinski/Fisher: 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 Lincoln Street. The site was cleaned up and barricades were placed as needed.

* Yards Out:
45yds – Soil relocated to (MIOPS Dow WIF project)

* Yards In:
180yds - Topsoil

Gary Waugh

6/18/13

Field Representative Signature

Date

Weather: Clear, 58 – 71, breezy

CONSTRUCTION QUALITY ASSURANCE FORM MIDLAND RESOLUTION CENTER

PROPERTY INFORMATION

Property Owner: Krystal Almond	Property Address: 1309 Lincoln
Contract Personnel: <ul style="list-style-type: none"> • Servinski • Fisher • Sugar Construction • Reliable Plumbing • Kokaly 	Contractor Equipment: <ul style="list-style-type: none"> • Servinski: Excavator, Dozer, Bobcats • Fisher: Hand Tools • Sugar: Hand Tools • Reliable: Hand Tools • Kokaly: Hand Tools
Field Person: Gary Waugh	Date: 6/19/13

DESCRIPTION OF SOILS REMOVAL

Remediation Area (Sq Ft): 6494	Yards In: 75 * 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 Method:	Laser level used to check cut depth	Date Verified/Initial: 6/17/13 GW
Describe soils remaining: No soils remaining.		

DESCRIPTION OF FIELD ACTIVITIES:

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

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

Sugar Construction: Poured concrete for the new rear sidewalk 4ft x 13ft and new front service sidewalk 4ft x 16ft.

Servinski/Fisher: Completed importing and placing topsoil. Landscape beds were defined, edging installed and plants and flowers were planted. At the end of the work day silt fence was installed at the curb line along Lincoln Street. The site was cleaned up and barricades were placed as needed.

* Yards In:
75yds – Topsoil

Gary Waugh

6/19/13

Field Representative Signature

Date

Weather: Clear, 46 – 75, calm winds

CONSTRUCTION QUALITY ASSURANCE FORM MIDLAND RESOLUTION CENTER

PROPERTY INFORMATION

Property Owner: Krystal Almond	Property Address: 1309 Lincoln
Contract Personnel: <ul style="list-style-type: none"> Servinski Fisher Sugar Construction 	Contractor Equipment: <ul style="list-style-type: none"> Servinski: Bobcat Fisher: Hand Tools Sugar: Hand Tools
Field Person: Gary Waugh	Date: 6/20/13

DESCRIPTION OF SOILS REMOVAL

Remediation Area (Sq Ft): 6494	Yards In: 28 * 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 Method:	Laser level used to check cut depth	Date Verified/Initial: 6/17/13 GW
Describe soils remaining: No soils remaining.		

DESCRIPTION OF FIELD ACTIVITIES:

Sugar Construction: Set 4 x 4 posts for the new privacy fence and reinstalled the chain link fence between the garage and rear deck.

Servinski/Fisher: Topsoil was final prepped and drainage stone placed in the landscape beds. At the end of the work day silt fence was installed at the curb line along Lincoln Street. The site was cleaned up and barricades were placed as needed.

* Yards In:
 18yds – Drainage Stone
 10yds – Play Ground Mulch

Gary Waugh

6/20/13

Field Representative Signature

Date

Weather: Clear, 48 – 80, calm winds

CONSTRUCTION QUALITY ASSURANCE FORM MIDLAND RESOLUTION CENTER

PROPERTY INFORMATION

Property Owner: Krystal Almond	Property Address: 1309 Lincoln
Contract Personnel: <ul style="list-style-type: none"> Servinski Fisher Sugar Construction 	Contractor Equipment: <ul style="list-style-type: none"> Servinski: Bobcat Fisher: Hand Tools Sugar: Hand Tools
Field Person: Gary Waugh	Date: 6/21/13

DESCRIPTION OF SOILS REMOVAL

Remediation Area (Sq Ft): 6494	Yards In: 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 Method:	Laser level used to check cut depth	Date Verified/Initial: 6/17/13 GW
Describe soils remaining: No soils remaining.		

DESCRIPTION OF FIELD ACTIVITIES:

Sugar Construction: Installed the panels for the new privacy fence.

Servinski/Fisher: Topsoil was finish prepped and sod was placed. A site cleanup was performed. 1309 Lincoln is complete pending a final walk through with the property owner.

Gary Waugh

6/21/13

Field Representative Signature

Date

Weather: Clear, 62 – 85, calm winds

Green Remediation Assurance Form
Midland Resolution

Property Information

Property Owner: Krystal Almond Contract Personnel: Pat's Trucking, Servinski
Property Address: 1309 Lincoln St.
Field Person: Gary Waugh Date: 6/20/2013

Fuel Usage

Low Sulfur Diesel Used:.....Yes No N/A

Equipment

Tier 3 and Tier 4 Diesel Motors Manufactured

After 2006:.....Yes No N/A

Equipment Shut Off When Not In Use (No Idling):.....Yes No N/A

Equipment Inspected For Leaks, Seepages, ETC:.....Yes No N/A

Administrative

Vegetation and Plants Supplied Locally:.....Yes No N/A

Local Subcontractors Used:.....Yes No N/A

Borrow Pit Source Selected Closer to Project but Within

Mandated Radius Criteria:.....Yes No N/A

Waste Management

Waste Generated Recycled (0)%:.....Yes No N/A

Wood/Tree's Removed Chipped and Staged for Use

Along Tittabawasse River Flood Plain as Barrier

Or Dust Control:.....Yes No N/A

Landscaping/Perennial Plants Brought to Site in

Recyclable Pots that Will Be Collected and Reused

By Supplier:.....Yes No N/A

Project Controls

Recycled Newspaper Used as Binder for Hydroseeding

Portions:.....Yes No N/A

Geosynthetics Used on Property Access Area:.....Yes No N/A

Tarps Used on Trucks During Soil Removal:.....Yes No N/A

Tarps Used on Borrow Trucks:.....Yes No N/A

Active Dust Management System Used:.....Yes No N/A

Phosphate Free Fertilizers Used:.....Yes No N/A

Removed Soil Taken to Dow Plant For Reuse in Facility:....Yes No N/A

Use of Sod as the Preferred Revegetation Tool:.....Yes No N/A

Upgrading Irrigation Controls to Include a Rain Sensor:.....Yes No N/A

Preprogramming Irrigation System to Water Only at

Prescribed Rates and Times:.....Yes No N/A

Reuse Existing Concrete Foundations When Possible...Yes No N/A

Use Water Efficient Landscaping.....Yes No N/A

Clean Manholes, Curb Inlets, Drop Inlets, Trench Drains,

Gratings, and Frames of Construction Debris, Dirt,

and Trash.....Yes No N/A