

MIDLAND RESOLUTION

LEGEND

- Remediated Area
- Property

Total Yard Area:
8658 sq. ft.

Area Excavated:
8658 sq. ft.

Total Area Not Excavated:
0 sq. ft.



0 15 30 60 Feet

Parcel 14-16-30-460
Midland Resolution Soil Replacement

Dow Midland Soils Remedy Worksheet

Site Address: 1614 State St.

Parcel: 14-16-30-460

Date: 4-Nov-13

Initial Soil Sample

1420

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)

Soil Replicate

Remedy Result:

--

--

Average (ppt)

--

Standard Deviation (ppt)

2.92

t (0.95, 2)

--

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

If > 250, Remedy

If < or = 250, No Remedy

If Soil Remedy Required, Evaluate Indoor Dust:

1420

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

8658

Area of yard (ft²) (area as sampled)

0

Area not remedied (ft²)

15

Surface Weighted Average (SWA) (ppt)

0%

% Undisturbed Remaining Soil (URS)

2.54E-05

Risk is acceptable if < or = 10⁻⁵

Indoor Dust

Remedy Result:

REMEDY

CONSTRUCTION QUALITY ASSURANCE FORM

MIDLAND RESOLUTION CENTER

PROPERTY INFORMATION

Property Owner: Midland Community Center	Property Address: 1614 State St.
Contract Personnel: <ul style="list-style-type: none">• Kappen Tree Service – 7/2/13• Servinski• Fisher• Pats• Sugar Construction• Reliable Plumbing	Contractor Equipment: <ul style="list-style-type: none">• Kappen: Boom Crane, Bucket Truck, Chipper, Log Truck• Servinski: Excavators, Bobcats, Dozer• Fisher: Hand Tools• Pats: Trucks• Sugar: Hand Tools• Reliable: Hand Tools
Field Person: Gary Waugh	Date: 7/12/13

DESCRIPTION OF SOILS REMOVAL

Remediation Area (Sq Ft): 11,831	Yards In: 135 * See Below	Yards Out: 665 *See Below
Description of Cut Depth: All soils within the remediation square footage were removed to an average depth of 12 inches. Which include soils under the concrete surfaces; back patio, driveway and drive approach, service sidewalk and the city sidewalk along State St.		
Verification Method:	Laser level used to verify cut depth	Date Verified/Initial: 7/12/13 GW/SS
Describe soils remaining: All soils removed.		

DESCRIPTION OF FIELD ACTIVITIES:

Kappen Tree Service: Was on site 7/2/13 and removed the select trees. The wood chips and logs were hauled to the Allied staging area.

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

Sugar Construction: Formed and poured the concrete (exposed aggregate finish) for the rear entrance patio 21ft x 25ft and the rear service sidewalk 6ft x 20ft. The crew also formed the driveway, driveway approach and the city sidewalk along State.

Servinski/Fisher: Began and completed the soils dig out. Due to the level of contamination all personnel were required to wear long sleeved shirts and rubber boot covers during the excavation of soils. A temporary decon area was set up with chairs and a hand wash station. The workers shirts and pants were collected at the end of the day and will be laundered and then returned. Water was applied to the remediation area prior to the excavation of soils. During the truck loading water was also applied to control dust. The street sweeper was used throughout the day as needed. Catch basin filters were in place. Silt fence was installed at the curb line along State Street.

**CONSTRUCTION QUALITY ASSURANCE FORM
MIDLAND RESOLUTION CENTER**

DESCRIPTION OF FIELD ACTIVITIES – CONTINUED:

* Yard Out:

665yds – Soil and concrete hauled to (Midland City Landfill) for disposal

* Yards In:

90yds – Topsoil

45yds – Sand – (Sub grade for concrete)

Gary Waugh

7/12/13

Field Representative Signature

Date

Weather: Clear, 60 – 80, calm winds

CONSTRUCTION QUALITY ASSURANCE FORM

MIDLAND RESOLUTION CENTER

PROPERTY INFORMATION

Property Owner: Midland Community Center	Property Address: 1614 State St.
Contract Personnel: <ul style="list-style-type: none">• Fisher• Pats• Sugar Construction• Kokaly	Contractor Equipment: <ul style="list-style-type: none">• Servinski: Mini Excavator, Bobcats, Dozer• Fisher: Hand Tools• Pats: Trucks• Sugar: Hand Tools• Kokaly: Hand Tools
Field Person: Gary Waugh	Date: 7/13/13

DESCRIPTION OF SOILS REMOVAL

Remediation Area (Sq Ft): 11,831	Yards In: 495 * See Below	Yards Out: 0
Description of Cut Depth: All soils within the remediation square footage were removed to an average depth of 12 inches. Which include soils under the concrete surfaces; back patio, driveway and drive approach, service sidewalk and the city sidewalk along State St.		
Verification Method:	Laser level used to verify cut depth	Date Verified/Initial: 7/12/13 GW/SS
Describe soils remaining: All soils removed.		

DESCRIPTION OF FIELD ACTIVITIES:

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

Sugar Construction: Poured the concrete for the driveway 20ft x 34ft, driveway approach 9ft x 22ft and the city sidewalk along State St. 4ft x 108ft. The crew also acidized the exposed aggregate patio in preparation for the seal coat.

Servinski/Fisher: Completed importing placing and grading topsoil. Landscape beds were defined and edging installed. Shrubs and trees were planted and drainage stone and hardwood mulch placed in the appropriate bed. Topsoil was prepped and hand raked. The street sweeper was used throughout the day as needed. Catch basin filters and silt fence were checked and in good condition.

* Yards In:

495yds – Topsoil

25yds – Drainage Stone

30yds – Hardwood Mulch

**CONSTRUCTION QUALITY ASSURANCE FORM
MIDLAND RESOLUTION CENTER**

DESCRIPTION OF FIELD ACTIVITIES – CONTINUED:

Gary Waugh

7/13/13

Field Representative Signature

Date

Weather: Clear, 68 – 88, calm winds

CONSTRUCTION QUALITY ASSURANCE FORM

MIDLAND RESOLUTION CENTER

PROPERTY INFORMATION

Property Owner: Midland Community Center	Property Address: 1614 State St.
Contract Personnel: <ul style="list-style-type: none">• Fisher• Pats• Sugar Construction• Kokaly	Contractor Equipment: <ul style="list-style-type: none">• Servinski: Mini Excavator, Bobcats, Dozer• Fisher: Hand Tools• Pats: Trucks• Sugar: Hand Tools• Kokaly: Hand Tools
Field Person: Gary Waugh	Date: 7/14/13

DESCRIPTION OF SOILS REMOVAL

Remediation Area (Sq Ft): 11,831	Yards In: 0	Yards Out: 0
Description of Cut Depth: All soils within the remediation square footage were removed to an average depth of 12 inches. Which include soils under the concrete surfaces; back patio, driveway and drive approach, service sidewalk and the city sidewalk along State St.		
Verification Method:	Laser level used to verify cut depth	Date Verified/Initial: 7/12/13 GW/SS
Describe soils remaining: All soils removed.		

DESCRIPTION OF FIELD ACTIVITIES:

Servinski/Fisher: The topsoil was final hand raked. Sod placed and trimmed. A site cleanup was performed. All barricades, catch basin filters and silt fence were removed. 1614 State is complete pending a walk through with the property owner.

Gary Waugh

7/14/13

Field Representative Signature

Date

Weather: Clear, 70 – 88, calm winds

Green Remediation Assurance Form
Midland Resolution

Property Information

Property Owner: Midland Community Center Contract Personnel: Pat's Trucking, Servinski

Property Address: 1614 State St.

Field Person: Gary Waugh

Date: 7/13/2013

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 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:
All Excavated

Yard Area:
Lawn
Outlawn
Portion of Driveway

Not In Yard:
Garage
House
Sidewalks
Portion of Driveway

Replaced Portion of Driveway
(Required to correct grade)



MIDLAND RESOLUTION

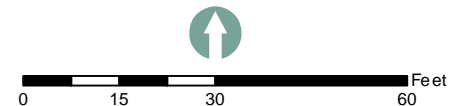
LEGEND

Remediated Area
Property

Total Yard Area:
8530 sq. ft.

Area Excavated:
8530 sq. ft.

Total Area Not Excavated:
0 sq. ft.



Parcel 14-16-40-610
Midland Resolution Soil Replacement

Dow Midland Soils Remedy Worksheet

Site Address: 802 State St.

Parcel: 14-16-40-610

Date: 4-Nov-13

Initial Soil Sample

273

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

222

Initial soil result (ppt)

253

Replicate result (ppt)

245

Replicate result (ppt)

240

Average (ppt)

16.1

Standard Deviation (ppt)

2.92

t (0.95, 2)

267

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:

267

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

8530

Area of yard (ft²) (area as sampled)

0

Area not remedied (ft²)

15

Surface Weighted Average (SWA) (ppt)

0%

% Undisturbed Remaining Soil (URS)

5.02E-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: Mona Friedle	Property Address: 802 State St.
Contract Personnel: <ul style="list-style-type: none">• Servinski• Fisher• Pat's	Contractor Equipment: <ul style="list-style-type: none">• Servinski: Bobcat, Mini Excavator• Pat's: Trucks
Field Person: Gary Waugh	Date: 4/19/13

DESCRIPTION OF SOILS REMOVAL

Remediation Area (Sq Ft): 6853	Yards In: 90 - Topsoil	Yards Out: 176
Description of Cut Depth: <ul style="list-style-type: none">• Rear yard average cut 13in• (3) Trees 10ft radius taper cut from 3in – 6in• (3) Trees 15ft radius taper cut from 3in – 6in• Between house and north P/L average cut 12in		
Verification Method:	Laser level used to measure cut and determine finish grade	Date Verified/Initial: SS – 4/19/13
Describe soils remaining: See above – minimal soils removed around trees.		

DESCRIPTION OF FIELD ACTIVITIES:

Servinski/Fisher: Began the soils dig out starting in the rear of the property working toward the front and along the north side of the house. Several large trees exist in the back yard and behind the garage. Only minimal soil was removed from around the base of the trees to minimize root exposure and eliminate damage to the trees. The amount of soil removed from around the trees was determined by the tree size, typically a 10 – 15 ft radius. Topsoil was then hauled in and placed and rough graded. Silt fence was installed at the curb line and along the north and east property lines at the end of the work day.

Gary Waugh

4/19/13

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: Mona Friedle	Property Address: 802 State St.
Contract Personnel: <ul style="list-style-type: none">• Servinski• Fisher• Pat's	Contractor Equipment: <ul style="list-style-type: none">• Servinski: Bobcat, Mini Excavator• Pat's: Trucks
Field Person: Gary Waugh	Date: 4/20/13

DESCRIPTION OF SOILS REMOVAL

Remediation Area (Sq Ft): 6853	Yards In: *See Below	Yards Out: 176
Description of Cut Depth: <ul style="list-style-type: none">• South side house average cut 11 in• (2) Trees 15ft radius taper cut from 3 in – 6 in• (3) Trees 10ft radius taper cut from 3 in – 6 in• Front out lawn (3) Trees average cut 4 in – 6 in		
Verification Method:	Laser level used to measure cut and determine finish grade	Date Verified/Initial: GW/SS – 4/20/13
Describe soils remaining: See above – minimal soils removed around trees.		

DESCRIPTION OF FIELD ACTIVITIES:

Servinski/Fisher: Continued the soils dig out along the south side of the driveway and the out lawn area. Several large trees exist in these areas. Only minimal soil was removed from around the base of the trees to minimize root exposure and eliminate damage to the trees. The amount of soil removed from around the trees was determined by the tree size, typically a 10 – 15 ft radius. Topsoil was then hauled in and placed and rough graded. Trees were planted in the rear landscape bed. Silt fence was installed at the curb line and along the north and east property lines at the end of the work day.

*Yards In:

Topsoil - 136

Sand – 30

Sugar Construction: Formed and prepared the sub grade for several sections of the driveway to be replaced with new concrete.

**CONSTRUCTION QUALITY ASSURANCE FORM
MIDLAND RESOLUTION CENTER**

DESCRIPTION OF FIELD ACTIVITIES – CONTINUED:

Gary Waugh

4/20/13

Field Representative Signature

Date

Weather: Partly cloudy 27 - 40, moderate winds

CONSTRUCTION QUALITY ASSURANCE FORM

MIDLAND RESOLUTION CENTER

PROPERTY INFORMATION

Property Owner: Mona Friedle	Property Address: 802 State St.
Contract Personnel: <ul style="list-style-type: none"> Servinski Fisher Pat's Reliable Plumbing Kokaly Sugar Construction 	Contractor Equipment: <ul style="list-style-type: none"> Servinski: Bobcat, Mini Excavator Pat's: Trucks Reliable: Hand Tools Kokaly: Ditchwitch, Hand Tools Sugar: Hand Tools
Field Person: Gary Waugh	Date: 4/22/13

DESCRIPTION OF SOILS REMOVAL

Remediation Area (Sq Ft): 6853	Yards In: *See Below	Yards Out: 0
Description of Cut Depth: See 4/19/13 and 4/20/13		
Verification Method:		Date Verified/Initial:
Describe soils remaining:		

DESCRIPTION OF FIELD ACTIVITIES:

Servinski/Fisher: Completed topsoil grading and final prep for sod. Installed edging around landscape beds, planted shrubs and placed wood mulch and drainage stone. Sod was placed and trimmed.

*Yards In:

Topsoil - 18

Drainage Stone – 21

Hardwood Mulch – 30

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

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

Sugar Construction: Poured the new driveway sections.

**CONSTRUCTION QUALITY ASSURANCE FORM
MIDLAND RESOLUTION CENTER**

DESCRIPTION OF FIELD ACTIVITIES – CONTINUED:

Gary Waugh

4/22/13

Field Representative Signature

Date

Weather: Sunny, 45- 64, calm winds

CONSTRUCTION QUALITY ASSURANCE FORM

MIDLAND RESOLUTION CENTER

PROPERTY INFORMATION

Property Owner: Mona Friedle	Property Address: 802 State St.
Contract Personnel: <ul style="list-style-type: none">• Servinski• Fisher• Sugar Construction	Contractor Equipment: <ul style="list-style-type: none">• Servinski: Hand Tools• Sugar: Hand Tools
Field Person: Gary Waugh	Date: 4/23/13

DESCRIPTION OF SOILS REMOVAL

Remediation Area (Sq Ft): 6853	Yards In: 0	Yards Out: 0
Description of Cut Depth: See 4/19/13 and 4/20/13		
Verification Method:		Date Verified/Initial:
Describe soils remaining:		

DESCRIPTION OF FIELD ACTIVITIES:

Servinski/Fisher: Completed remaining tasks, replacing stepping stones, reinstalling bird feeders and bird bath and site cleanup. 802 State is complete pending a final walk through with the property owner.

Sugar Construction: Poured the remaining side walk section, the forms were pulled and concrete covered with plastic.

Gary Waugh

4/23/13

Field Representative Signature

Date

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

Green Remediation Assurance Form
Midland Resolution

Property Information

Property Owner: Mona Friedle Contract Personnel: Pat's Trucking, Servinski
Property Address: 802 State St.
Field Person: Gary Waugh Date: 4/20/2013

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

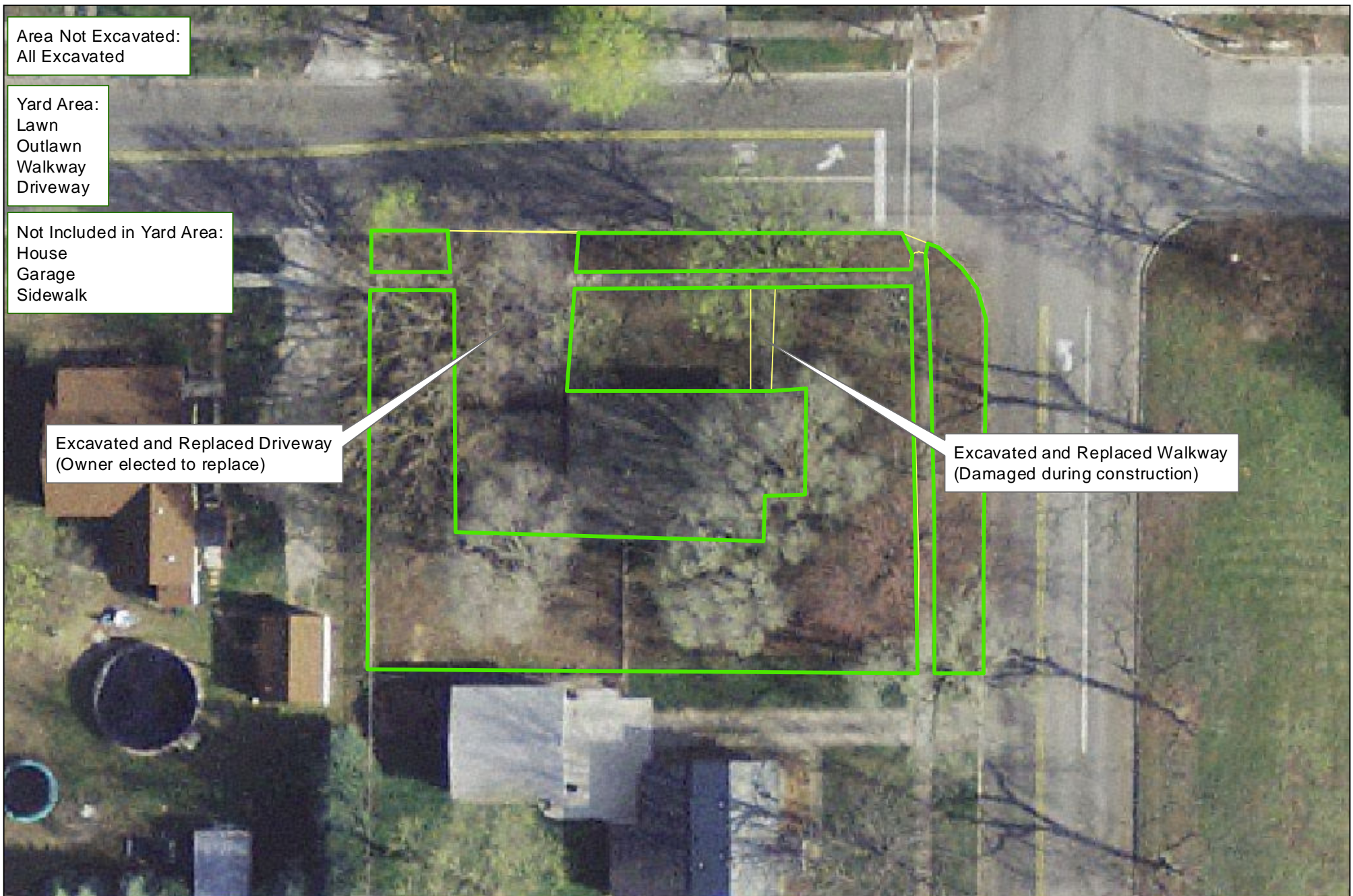
Vegetation and Plants Supplied Locally:.....Yes ☒ No ☐ N/A ☐
Local Subcontractors Used:.....Yes ☒ No ☐ N/A ☐
Borrow Pit Source Selected Closer to Project but Within
Mandated Radius Criteria:.....Yes ☒ No ☐ N/A ☐

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 ☐



MIDLAND RESOLUTION

LEGEND

- Remediated Area
- Property

Total Yard Area:
10095 sq. ft.

Area Excavated:
10095 sq. ft.

Total Area Not Excavated:
0 sq. ft.



0 15 30 60 Feet

Parcel 14-15-40-062
Midland Resolution Soil Replacement

Dow Midland Soils Remedy Worksheet

Site Address: 1613 Swede Ave.

Parcel: 14-15-40-062

Date: 5-Nov-13

Initial Soil Sample

404

Soil Result (ppt)

If < or = 220, No Remedy

If > 280, Remedy

If >220 but < or = 280, Test Replicates

Soil Remedy Result:

REMEDY

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:

404

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

10095

Area of yard (ft²) (area as sampled)

0

Area not remedied (ft²)

15

Surface Weighted Average (SWA) (ppt)

0%

% Undisturbed Remaining Soil (URS)

7.44E-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: Popp Investment	Property Address: 1613 Swede St.
Contract Personnel: <ul style="list-style-type: none">• Servinski• Fisher• Pats	Contractor Equipment: <ul style="list-style-type: none">• Servinski: Excavator, Dozer, Bobcats• Fisher: Hand Tools• Pats: Trucks
Field Person: Gary Waugh	Date: 10/15/13

DESCRIPTION OF SOILS REMOVAL

Remediation Area (Sq Ft): 10,890	Yards In: 0	Yards Out: 465 * 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 cut depth	Date Verified/Initial: 10/15/13 GW SS
Describe soils remaining: No remaining soils.		

DESCRIPTION OF FIELD ACTIVITIES:

Servinski/Fisher: The crew began and completed the soils dig out. For the majority of the soils removal the trucks were able to be direct loaded during excavation of the soils. Were necessary a dozer was used to push the soils to the excavator for load out. Catch basin filters and silt fence were in place and in good condition.

* Yards Out:

465yds – Soil relocated to (Dow MIOPS Poseyville Landfill MAS Stockpile Area)

Gary Waugh

10/15/13

Field Representative Signature

Date

Weather: Clear, 43 – 65, breezy

CONSTRUCTION QUALITY ASSURANCE FORM

MIDLAND RESOLUTION CENTER

PROPERTY INFORMATION

Property Owner: Popp Investment	Property Address: 1613 Swede St.
Contract Personnel: <ul style="list-style-type: none">• Servinski• Fisher• Pats	Contractor Equipment: <ul style="list-style-type: none">• Servinski: Excavator, Dozer, Bobcats• Fisher: Hand Tools• Pats: Trucks
Field Person: Gary Waugh	Date: 10/16/13

DESCRIPTION OF SOILS REMOVAL

Remediation Area (Sq Ft): 10,890	Yards In: 435 * See Below	Yards Out: 30 * See Below
Description of Cut Depth: All soils within the remediation area square footage were removed to an average depth of 12 inches.		
Verification Method:	A laser level was used to verify cut depth	Date Verified/Initial: 10/15/13 GW SS
Describe soils remaining: No remaining soils.		

DESCRIPTION OF FIELD ACTIVITIES:

Servinski/Fisher: The crew began and completed importing and rough grading topsoil. The existing concrete driveway was removed for disposal. Catch basin filters and silt fence were in place and in good condition.

* Yards Out:

30yds – Concrete hauled to (Midland City Landfill) for disposal

* Yards In:

435yds - Topsoil

Gary Waugh

10/16/13

Field Representative Signature

Date

Weather: Cloudy, 43 – 57, light winds

CONSTRUCTION QUALITY ASSURANCE FORM

MIDLAND RESOLUTION CENTER

PROPERTY INFORMATION

Property Owner: Popp Investment	Property Address: 1613 Swede 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, Bobcats• Fisher: Hand Tools• Pats: Trucks• Sugar: Hand Tools• Kokaly: Hand Tools• Reliable: Hand Tools
Field Person: Gary Waugh	Date: 10/17/13

DESCRIPTION OF SOILS REMOVAL

Remediation Area (Sq Ft): 10,890	Yards In: 47 * 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:	A laser level was used to verify cut depth	Date Verified/Initial: 10/15/13 GW SS
Describe soils remaining: No remaining soils.		

DESCRIPTION OF FIELD ACTIVITIES:

Sugar Construction: The crew prepared the sub grade, formed and poured the concrete for the new driveway, service walk and rear entrance door pad.

Kokaly/Reliable Plumbing: Reliable installed the backflow preventer and additional plumbing needed to accommodate the irrigation system. Kokaly installed the irrigation system piping, low voltage wiring, valves and adjustable heads.

Servinski/Fisher: The crew installed edging for the landscape beds. The topsoil was final prepped and hand raked. Some sod was placed in the out lawn and the rear yard area. Catch basin filters and silt fence were in place and in good condition.

* Yards Out:

15yds – Concrete hauled to (Midland City Landfill) for disposal

* Yards In:

28yds – Sand

11yds – 6AA Aggregate

10yds – Drainage Stone

Gary Waugh

10/17/13

Field Representative Signature

Date

Weather: Cloudy light rain, 43 – 57, light winds

CONSTRUCTION QUALITY ASSURANCE FORM

MIDLAND RESOLUTION CENTER

PROPERTY INFORMATION

Property Owner: Popp Investment	Property Address: 1613 Swede St.
Contract Personnel: <ul style="list-style-type: none">• Servinski• Fisher	Contractor Equipment: <ul style="list-style-type: none">• Servinski: Excavator, Bobcats• Fisher: Hand Tools
Field Person: Gary Waugh	Date: 10/18/13

DESCRIPTION OF SOILS REMOVAL

Remediation Area (Sq Ft): 10,890	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 cut depth	Date Verified/Initial: 10/15/13 GW SS
Describe soils remaining: No remaining soils.		

DESCRIPTION OF FIELD ACTIVITIES:

Servinski/Fisher: The crew completed the sod placement. A final site cleanup was performed. 1613 Swede is complete pending a walk through with the property owner.

Gary Waugh

Field Representative Signature

10/18/13

Date

Weather: Cloudy, 43 – 57, light winds

Green Remediation Assurance Form
Midland Resolution

Property Information

Property Owner: Popp Investments

Contract Personnel: Pat's Trucking, Servinski

Property Address: 1613 Swede

Field Person: Gary Waugh

Date: 10/15/2013

Fuel Usage

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

Equipment

Tier 3 and Tier 4 Diesel Motors Manufactured

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

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

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

Administrative

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

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

Borrow Pit Source Selected Closer to Project but Within

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

Waste Management

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

Wood/Tree's Removed Chipped and Staged for Use

Along Tittabawasse River Flood Plain as Barrier

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

Landscaping/Perennial Plants Brought to Site in

Recyclable Pots that Will Be Collected and Reused

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

Project Controls

Recycled Newspaper Used as Binder for Hydroseeding

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

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

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

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

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

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

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

Use of Sod as the Preferred 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 []