



**Department of  
Environmental  
Conservation**

**OLD AGWAY STORE**

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**PERIODIC REVIEW REPORT**

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**WORK ASSIGNMENT D007622-17**

**OLD AGWAY STORE  
BALLSTON SPA (V)**

**SITE NO. 546021  
SARATOGA COUNTY, NY**

Prepared for:  
NEW YORK STATE  
DEPARTMENT OF ENVIRONMENTAL CONSERVATION  
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Final  
December 2018

**PERIODIC REVIEW REPORT**  
**OLD AGWAY STORE**  
**NYSDEC SITE NO. SITE 546021**

**WORK ASSIGNMENT NO. D007622-17**

**Prepared for:**

**New York State Department of Environmental Conservation**  
**Albany, New York**

**Prepared by:**

**URS Corporation – NY**  
**Buffalo, NY**

**DECEMBER 2018**

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## **GLOSSARY OF ACRONYMS AND ABBREVIATIONS**

|            |                                                                                          |
|------------|------------------------------------------------------------------------------------------|
| CO         | Consent Order                                                                            |
| COC        | contaminant of concern                                                                   |
| EC         | engineering control                                                                      |
| IC         | institutional control                                                                    |
| IRM        | Interim Remedial Measure                                                                 |
| NYCRR      | New York Codes, Rules and Regulations                                                    |
| NYSDEC     | New York State Department of Environmental Conservation                                  |
| PAHs       | polycyclic aromatic hydrocarbons                                                         |
| PRR        | Periodic Review Report                                                                   |
| PVC        | polyvinyl chloride                                                                       |
| RAOs       | Remedial Action Objectives                                                               |
| RI         | Remedial Investigation                                                                   |
| SCOs       | Soil Cleanup Objective                                                                   |
| SMP        | Site Management Plan                                                                     |
| SVOCs      | semivolatile organic compounds                                                           |
| TOGS 1.1.1 | Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations |
| VOCs       | volatile organic compounds                                                               |

## EXECUTIVE SUMMARY

The Old Agway Store (Site No. 546021; herein referred to as the Site) is a commercially zoned parcel approximately 0.29 acres in size located off Science Street in the Village of Ballston Spa, New York. The Site has been vacant since a fire burned the former Old Agway Store in March 1977.

Although a formal decision document does not exist for the Site, the New York State Department of Environmental Conservation (NYSDEC) established Remedial Action Objectives (RAOs) for the Site. A Consent Order issued in August 1981 required an Interim Remedial Measure to mitigate the surface and shallow subsurface flow of contaminated leachate from the Site. A leachate collection system was installed and discharges to a sanitary line connected to the Saratoga County Sewer District #1 wastewater treatment plant.

A Site Management Plan (SMP) was created in May 2011 (AECOM 2011b). An updated SMP was issued in January 2018 (URS 2018) to include sampling monitoring wells installed during a 2013-2014 Remedial Investigation. Since contaminants of concern, specifically chlorobenzene, atrazine, silvex, aldrin, dieldrin, polycyclic aromatic hydrocarbons, and lead, remain at levels above the soil cleanup objectives, institutional controls and engineering controls are required to protect human health and the environment.

This Periodic Review Report (PRR) is the second PRR for the Site. This PRR summarizes the Site management activities completed during the period of March 1, 2010 to April 17, 2018, and evaluates the effectiveness of the remedial action. The previous PRR covered the period August 1, 2007 to February 28, 2010 (AECOM 2011a). During the current PRR reporting period, Site management requirements were met. Based on this review, the remedy continues to be protective of the public health and the environment and is compliant with the RAOs.

Recommendations include inspection and removal of possible blockage in the leachate collection system piping, removal of debris from the well MW-03 area, marking on-site wells to make them more visible, and replacement of downgradient well MW-10.

## 1.0 SITE OVERVIEW

The former Ballston-Agway Cooperative, Inc. Store (Old Agway Store or Site), identified as New York State Department of Environmental Conservation (NYSDEC) site number 546021, is located in the Village of Ballston Spa, Saratoga County, New York (Figure 1). The property is identified as Section 216.31 Block 3, Lot 18 on the Municipality of Village of Ballston Spa, Town of Milton Tax Map. The Site is a commercially zoned 0.29-acre parcel and is bounded by private residences to the north, Galway Street and commercial properties to the south, open area and commercial properties to the east, and private residences to the west.

The Site is a vacant lot and has been since a fire burned the former Old Agway Store in March 1977. Various pesticides and herbicides that were stored in the building were released into the environment as a result of the fire and firefighting. All that remains of the former store structure is approximately 160 linear feet of a foundation wall on the western boundary of the Site (Figure 2). The foundation is oriented in a north to south direction with a portion oriented east-west at the northern end of the property.

The contaminants of concern (COCs) identified during the Remedial Investigation (RI) performed in 2013-2014 (URS 2014) include volatile organic compounds (VOCs), semivolatile organic compounds (SVOCs), pesticides, herbicides, and metals. These COCs were present in soil, groundwater, and leachate. Contaminants in soil that exceed 6 New York Codes, Rules and Regulations (NYCRR) Subpart Part 375-6 Restricted Residential Soil Cleanup Objectives (SCOs) include aldrin, dieldrin, polycyclic aromatic hydrocarbons (PAHs), and lead. Contaminants in groundwater and leachate that exceed NYSDEC's Class GA Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations (TOGS 1.1.1) include chlorobenzene, atrazine, dieldrin, 2,4,5-TP (silvex), iron, manganese, and sodium.

A Consent Order (CO) 5-20150828-58 was issued to Ballston-Agway Cooperative, Inc. by the NYSDEC in August 1981. The Consent Order required an Interim Remedial Measure (IRM) to mitigate the surface and shallow subsurface flow of contaminated leachate from the Site. A leachate collection system was installed and consists of 97 feet of perforated pipe adjacent to the west (exterior) side of the foundation wall. The leachate collection piping is located approximately 4 feet below grade and slopes toward a sanitary sewer manhole on the north end. There are three vent pipes along the length of the leachate collection system. The leachate discharges to the sanitary sewer manhole, which is connected to the Saratoga County Sewer District #1 wastewater treatment plant.

In 2015, the NYSDEC established an Environmental Easement for the Site.

Although a formal decision document does not exist for the Site, the NYSDEC has established Remedial Action Objectives (RAOs) as follows:

**Groundwater:**

## RAOs for Public Health Protection

- Prevent ingestion of groundwater with contaminant levels exceeding drinking water standards.

## RAOs for Environmental Protection

- Restore the groundwater aquifer to pre-disposal/pre-release conditions, to the extent practicable.

**Soil:**

## RAOs for Public Health Protection

- Prevent ingestion/direct contact with contaminated soil.

This Periodic Review Report (PRR) covers the period of performance from March 1, 2010 to April 17, 2018. A previous PPR was submitted by AECOM Technical Services Northeast, Inc. in January 2011 covering the period August 1, 2007 to February 28, 2010 (AECOM 2011a). Subsequent PRRs will be conducted as directed by NYSDEC. This PRR includes required engineering control (EC) and institutional control (IC) certification and summary and documentation of Site-related data to support EC/IC certification.

## **2.0 EVALUATION OF REMEDY PERFORMANCE, EFFECTIVENESS AND PROTECTIVENESS**

VOCs, SVOCs, pesticides, herbicides and metals were detected in Site soil, groundwater, and leachate. The results from the 2013-2014 RI (URS 2014) showed that soils contained contaminants at concentrations above the 6 NYCRR Subpart 375-6 Restricted Residential Use SCOs (see Figure 3 and Table 1) and groundwater and leachate contained contaminants at concentrations above the NYSDEC's Class GA groundwater criteria (see Figure 4 and Table 2).

### **2.1 Institutional Controls**

Because contaminants are present in the subsurface soils at levels above the SCOs, ICs have been implemented to protect public health and the environment for the applicable future use. The purpose of the IC is to:

- Prevent future exposure to remaining contamination by controlling disturbances of the subsurface contamination; and
- Limit the use and development of the Site to restricted residential, commercial or industrial uses only.

The ICs in place consist of the following:

- groundwater use restriction;
- Site Management Plan (SMP);
- land use restriction;
- Monitoring Plan;
- Operations and Maintenance Plan;
- IC/EC Plan; and
- Environmental Easement.

Based on inspections conducted during the reporting period, there has not been a change in property use and groundwater beneath the Site is not being used. Based on the Site inspection, the Site is in compliance with the ICs.

### **2.2 Engineering Controls**

Because contaminants are present in the subsurface soils and groundwater at levels above the SCOs, an EC has been implemented to protect public health and the environment for the applicable future use. The purpose of the EC is to prevent off-site migration of contaminated groundwater through the installation of a leachate collection system. An inspection and assessment of the existing leachate collection system included:

- photographs and a visual inspection of the sewer manhole at the northern end of the leachate collection system;
- determination of the leachate flow rate (if any) into the manhole;
- inspection of the standpipes; and
- field survey and preparation of the leachate collection system plan and profile drawing (Attachment A).

Based on inspections conducted during the reporting period, the leachate collection system appears to be working in compliance with the EC. However, maintenance is required. There are two inflows into the leachate collection sump: one is from a polyvinyl chloride (PVC) pipe on the south side of the sump wall and the second is from an opening on the east side of the sump wall. The PVC pipe on the south side of the sump wall is connected to the 97-foot leachate collection system along the western side of the foundation wall. The flow from the PVC pipe was minimal (not measurable). The flow from the east sump wall opening was approximately 1.5 liters per minute. In the June 2008 Annual Review Report (Earth Tech Northeast, Inc., 2008) two obstructions were identified in the leachate collection system (see Attachment B). At that time it was determined the obstructions did not hinder the flow of leachate. As observed by AECOM in April 2018, the absence of flow from the PVC pipe suggests that the obstructions may be impeding flow.

### 3.0 MONITORING PLAN COMPLIANCE

The SMP was created by AECOM in May 2011 and updated by URS in January 2018 to include the findings of the 2013-2014 RI and NYSDEC-established RAOs.

The 2018 SMP includes annual sampling of groundwater from two upgradient (MW-01 and MW-07), four on-site wells (MW-02, MW-03, MW-08, and MW-09), and one downgradient well (MW-10). Also, monitoring and inspection of the leachate collection system is to be completed annually.

#### 3.1 Summary of Monitoring Completed during Reporting Period

The first monitoring event after the issuance of the 2018 SMP was completed in April 2018. Groundwater samples were collected from MW-01, MW-02, MW-07, MW-08, and MW-09. Monitoring wells MW-03 and MW-10 could not be located, and therefore, were not sampled.

The groundwater analytical results from April 2018 and the previous sampling in June 2013 and May 2014 are presented in Table 2 and Figure 4. The results show the following:

- Chlorobenzene, a VOC, was detected in well MW-02 at 24 micrograms per liter (µg/L) in June 2013, was non-detect in May 2014, and was below criterion (5 µg/L) in April 2018;
- Atrazine, an herbicide, was present in well MW-02 at 320 µg/L in June 2013, below criterion (7.5 µg/L) in May 2014, and at 15 µg/L in April 2018;
- Dieldrin, a pesticide, was detected in well MW-08 at 0.15 µg/L in May 2014 and at 0.06 µg/L in April 2018. The groundwater criterion for dieldrin is 0.004 µg/L;
- Silvex, a pesticide, was detected in well MW-02 at 0.27 µg/L in June 2013 and non-detect in May 2014 and April 2018. The groundwater criterion for silvex is 0.26 µg/L; and
- The metals iron and sodium were detected in most samples at concentrations above the groundwater criteria. Other metals detected above criteria include manganese, detected in five samples; magnesium, detected in two samples; and antimony and cadmium, detected in two samples. Where present, the detections of iron, manganese, and sodium were consistent with concentrations in upgradient well MW-01.

Groundwater surface contours, presented in Figure 5, show that groundwater flow is generally to the west toward the leachate collection system.

Off-site monitoring wells MW-04, MW-05, and MW-06 were decommissioned in February 2017. A record of the well decommissioning can be found in Attachment C.

A leachate sample was collected from the wall penetration in the manhole. There was insufficient flow to enable the collection of a sample from the PVC pipe. The April 2018 leachate sample results were consistent with previous sampling events with detections of atrazine and dieldrin during each event (and in February 2010). Concentrations of iron, manganese, and sodium were somewhat

similar in May 2014 and April 2018; the samples from February 2010 and June 2013 were not analyzed for metals.

### **3.3 Monitoring Deficiencies**

Monitoring wells MW-03 and MW-10 could not be sampled. A large landscape debris pile covered MW-03. The pile was too large to manually clear. MW-10 may have been destroyed as a result of snow plowing.

While there was sufficient flow from the sump wall penetration, there was insufficient flow to enable collection of a leachate sample from the PVC pipe in the manhole, which suggests that an obstruction(s) in the pipe is impeding flow.

### **3.4 Conclusions and Recommendations for Changes**

#### **3.4.1 Conclusions**

Atrazine and dieldrin, which are likely site-related contaminants, were detected in on-site groundwater. The presence of these compounds in the leachate suggests that the leachate system is intercepting and collecting contaminated groundwater.

#### **3.4.2 Recommendations**

It is recommended that attempts should be made to confirm if there are flow-impeding obstructions in the leachate collection system and remove the obstruction(s), if present. The determination of the presence of an obstruction could be accomplished by video scoping or by pouring clean water into each leachate collection system vent pipe, starting with the one closest vent to the manhole, and observing the flow into the manhole. If a flow obstruction is identified, removal should be attempted by hydrojetting or snaking that section. If flow obstructions cannot be removed using these methods, AECOM will provide recommendations for alternate methods of removing the obstructions or reconstructing the leachate collection system.

Monitoring well MW-03 could not be located because of landscape debris. It is recommended that debris pile be removed. It is also recommended that on-site flush mount wells be marked to make them more visible to minimize future obstructions.

Off-site monitoring well MW-10 appears to have been destroyed as a result of snow plowing. The well is needed to monitor groundwater conditions downgradient of the leachate collection system. It is recommended that the monitoring well be replaced. However, the location and/or construction of the monitoring well should be adjusted to minimize the likelihood of future damage (e.g., install bollards around the well).

No other activities are recommended for completion within the next reporting period.

## **4.0 CONCLUSIONS AND RECOMMENDATIONS**

Based on this review, the remedy continues to be protective of the public health and the environment and is compliant with the decision document.

### **4.1 Institutional Controls**

The current ICs are adequate to achieve the objectives for protection of human health and the environment.

### **4.2 Engineering Controls**

The flow of water into the manhole suggests that the current EC is operational. However, further inspection is necessary to determine if it is performing in accordance with the design to achieve the objectives for protection of human health and the environment. Water was present in the leachate collection sump. However, the flow from the PVC pipe was not measurable. It is recommended that if no measurable flow is observed out of the PVC pipe during the next inspection, the system should be inspected and any identified obstructions removed.

### **4.3 Other Site-Related Activities**

Off-site monitoring well MW-10 was apparently destroyed as a result of snow plowing. It is recommended that the monitoring well be replaced. The location/construction of the monitoring well should be adjusted to minimize the likelihood of future damage.

Monitoring well MW-03 could not be located because of landscape debris. It is recommended that the debris be removed and that the on-site wells be marked to make them more visible to minimize future obstructions.

No other activities are recommended for completion within the next reporting period.

## 5.0 REFERENCES

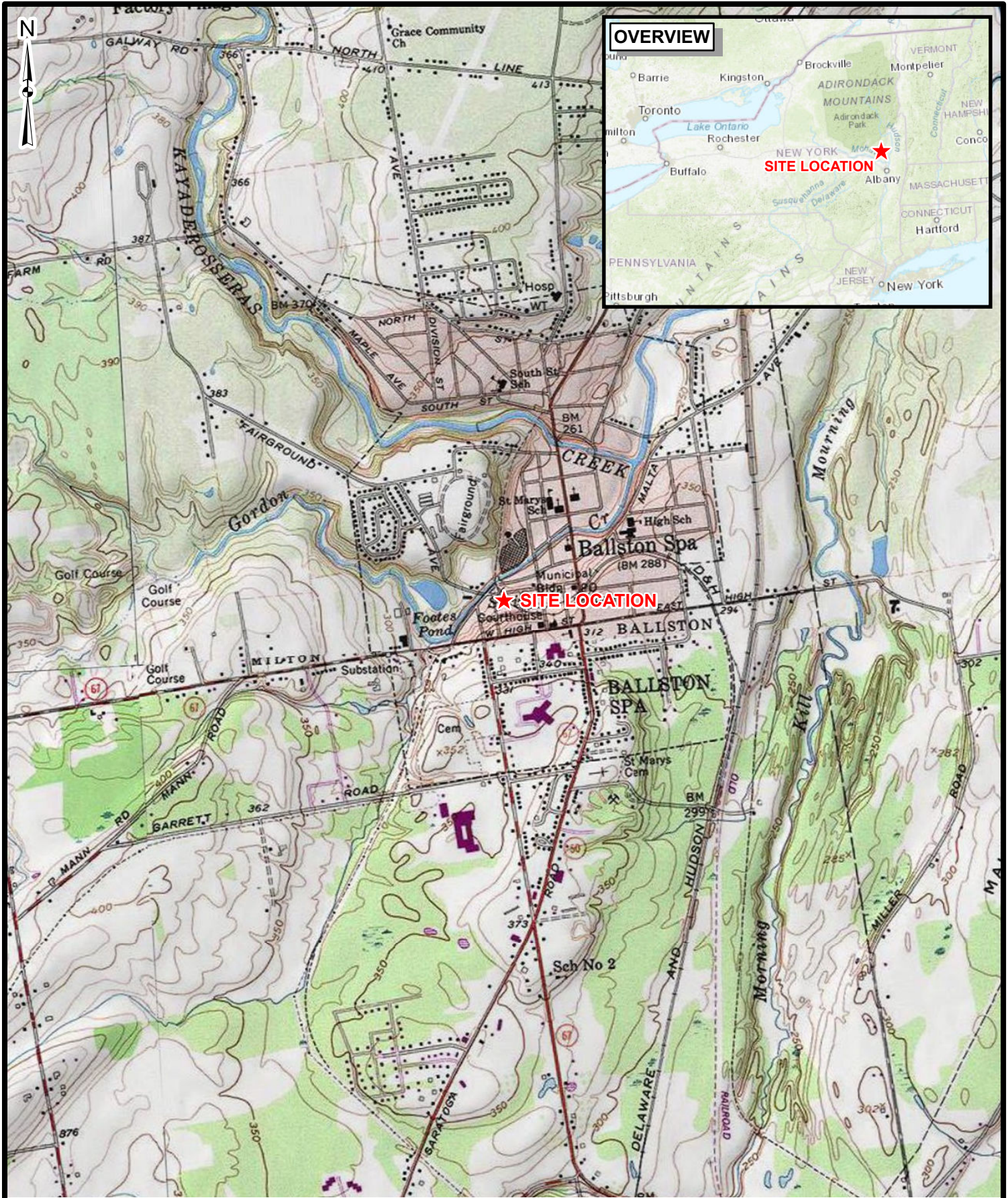
AECOM. 2011a. *Periodic Review Report, Old Agway Site, Site 5-46-021, Work Assignment No. D004445-21*. January

AECOM. 2011b. *Site Management Plan, Old Agway Site, Ballston Spa, New York, NYSDEC Site # 5-46-021*. May

Earth Tech Northeast, Inc. 2008. *Annual Review Report June 2008, Old Agway Store, Site 5-46-021, Work Assignment No. D004445-21*. June

URS Corporation (URS). 2014. *Remedial Investigation Report for the Old Agway Store Site, Site Number 546021, Ballston Spa, Saratoga County, New York*. Final. December.

URS. 2018. *Old Agway Store, Saratoga County, Ballston Spa, New York. Site Management Plan, NYSDEC Site Number 546021*. January.



**OVERVIEW**

**SITE LOCATION**

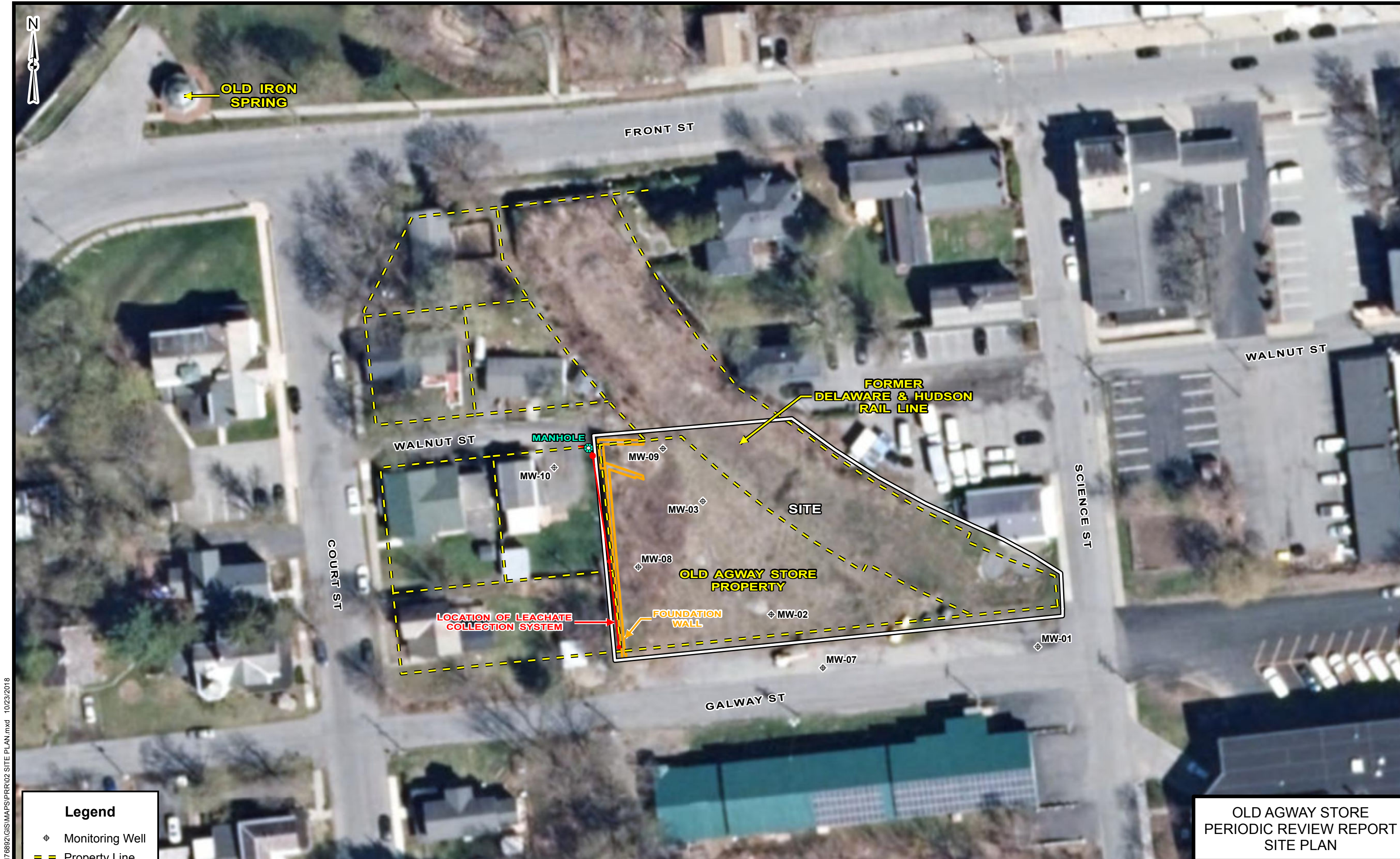
Sources: USGS 1:24,000-scale topographic map, 7.5 x 7.5 Minute  
 Quadrangles: Round Lake, 1980; Saratoga Springs, 1967

2,000 0 2,000 Feet



**OLD AGWAY STORE  
 PERIODIC REVIEW REPORT  
 SITE LOCATION**

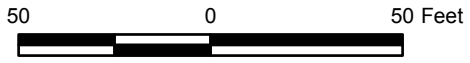
**FIGURE 1**



**Legend**

- ⊕ Monitoring Well
- - - Property Line
- ▭ Site

Source: ESRI World Imagery

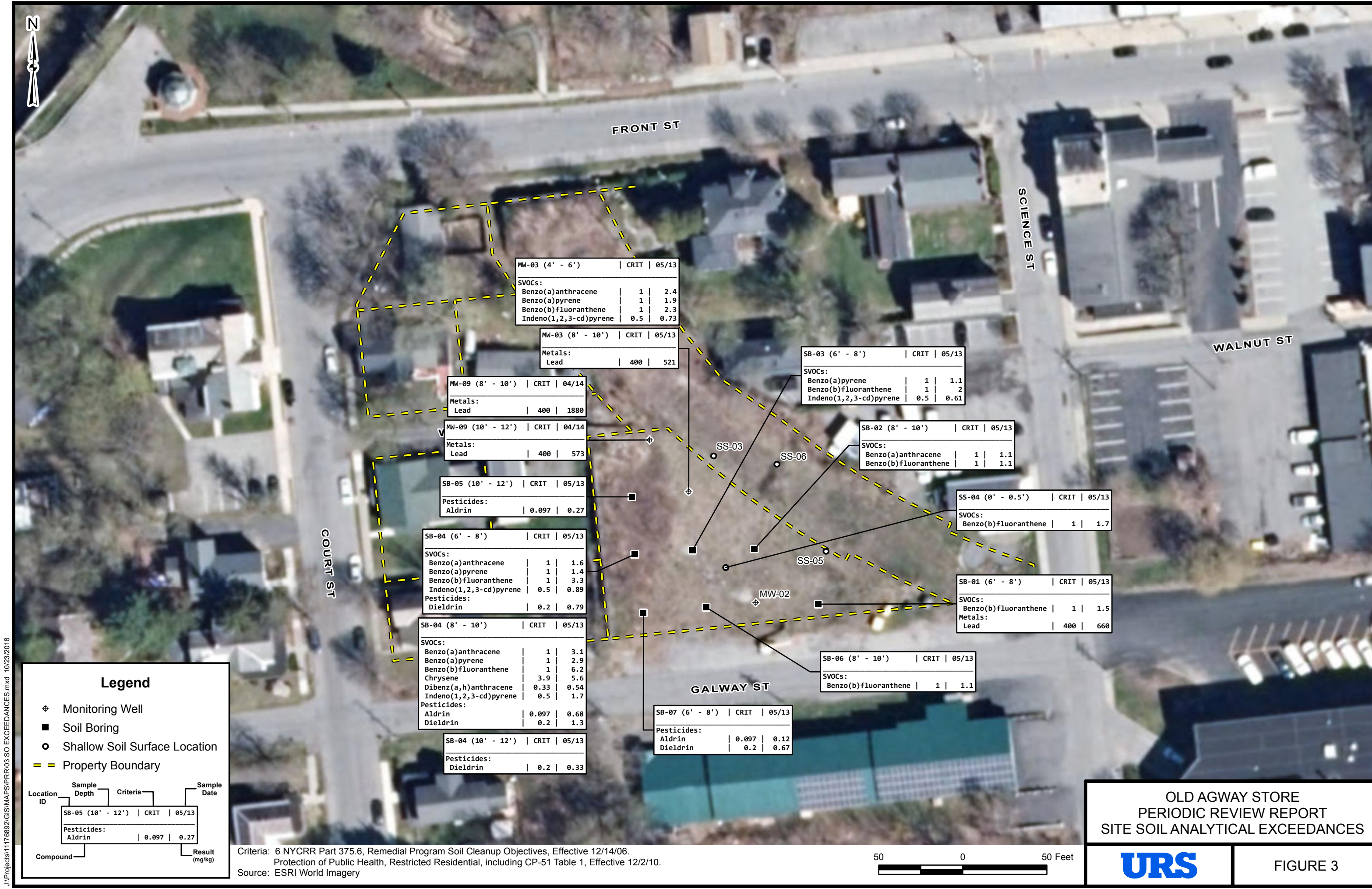


OLD AGWAY STORE  
PERIODIC REVIEW REPORT  
SITE PLAN

**URS**

FIGURE 2

J:\Projects\11176832\GIS\MAPS\PRR02 SITE PLAN.mxd 10/23/2018



FRONT ST

SCIENCE ST

WALNUT ST

COURT ST

GALWAY ST

### Legend

- Monitoring Well
- Soil Boring
- Shallow Soil Surface Location
- Property Boundary

| Location ID       | Sample Depth   | Criteria | Sample Date |
|-------------------|----------------|----------|-------------|
| SB-05 (10' - 12') | CRIT           | 05/13    |             |
| Pesticides:       |                |          |             |
| Aldrin            | 0.097          | 0.27     |             |
| Compound          | Result (mg/kg) |          |             |

Criteria: 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06.  
Protection of Public Health, Restricted Residential, including CP-51 Table 1, Effective 12/2/10.  
Source: ESRI World Imagery



## OLD AGWAY STORE PERIODIC REVIEW REPORT SITE SOIL ANALYTICAL EXCEEDANCES



FIGURE 3

J:\Projects\1176832\GIS\MAPS\PRR04\_GW\_ANALYTICAL.mxd 10/23/2018



J:\Projects\1176832\GIS\MAPS\PRR05 POTENTIOMETRIC SURFACE.mxd 10/23/2018



**TABLE 1**  
**ON-SITE SOIL ANALYTICAL RESULTS**  
**RESTRICTED RESIDENTIAL EXCEEDANCES**  
**OLD AGWAY STORE**

| Location ID                           |       |           | MW-03      | MW-03       | MW-09        | MW-09         | SB-01      |
|---------------------------------------|-------|-----------|------------|-------------|--------------|---------------|------------|
| Sample ID                             |       |           | MW-3 (4-6) | MW-3 (8-10) | MW-9 (8-10') | MW-9 (10-12') | SB-1 (6-8) |
| Matrix                                |       |           | Soil       | Soil        | Soil         | Soil          | Soil       |
| Depth Interval (ft)                   |       |           | 4.0-6.0    | 8.0-10.0    | 8.0-10.0     | 10.0-12.0     | 6.0-8.0    |
| Date Sampled                          |       |           | 05/14/13   | 05/14/13    | 04/29/14     | 04/29/14      | 05/15/13   |
| Parameter                             | Units | Criteria* |            |             |              |               |            |
| <b>Semivolatile Organic Compounds</b> |       |           |            |             |              |               |            |
| Benzo(a)anthracene                    | MG/KG | 1         | 2.4        | 0.63        | 0.12 J       | 0.20 J        | 0.82       |
| Benzo(a)pyrene                        | MG/KG | 1         | 1.9        | 0.53        | 0.11 J       | 0.19 J        | 0.81       |
| Benzo(b)fluoranthene                  | MG/KG | 1         | 2.3        | 0.73        |              | 0.24 J        | 1.5        |
| Chrysene                              | MG/KG | 3.9       | 2.2        | 0.74        | 0.15 J       | 0.21 J        | 1.2        |
| Dibenz(a,h)anthracene                 | MG/KG | 0.33      | 0.24       | 0.092 J     |              |               | 0.13 J     |
| Indeno(1,2,3-cd)pyrene                | MG/KG | 0.5       | 0.73       | 0.28 J      |              | 0.10 J        | 0.42 J     |
| <b>Pesticide Organic Compounds</b>    |       |           |            |             |              |               |            |
| Aldrin                                | MG/KG | 0.097     |            |             |              |               |            |
| Dieldrin                              | MG/KG | 0.2       |            |             |              |               | 0.018 NJ   |
| <b>Metals</b>                         |       |           |            |             |              |               |            |
| Chromium                              | MG/KG | 180       | NA         | 11.0        | 17.5         | 14.2          | 36.9       |
| Lead                                  | MG/KG | 400       | NA         | 521         | 1,880        | 573           | 660        |

\*Criteria- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Protection of Public Health, Restricted Residential, including CP-51 Table 1, Effective 12/2/10.

Flags assigned during chemistry validation are shown.

 Concentration Exceeds Criteria

Empty cell or ND - Not detected. NA - Not analyzed.

J - The reported concentration is an estimated value. J+ - Estimated value, biased high. D - Result reported from a secondary dilution analysis.

NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration.

Only Detected Results Reported.

Advanced Selection: TABLE 1 PRF  
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[MATRIX] = 'SO' AND [FLDSAMPID] = 'MW-3 (4-6)' OR [FLDSAMPID] = 'MW-3 (8-10)' OR [FLDSAMPID] LIKE 'MW-9 (8-10)' OR [FLDSAMPID] LIKE 'MW-9 (10-12)' OR [FLDSAMPID] = 'SB-1 (6-8)' OR [FLDSAMPID] = 'SB-2 (8-10)' OR [FLDSAMPID] = 'SB-3 (6-8)' OR [FLDSAMPID] = 'SB-4 (6-8)' OR [FLDSAMPID] = 'SB-4 (8-10)' OR [FLDSAMPID] = 'SB-4 (10-12)' OR [FLDSAMPID] = 'SB-5 (10-12)'

**TABLE 1**  
**ON-SITE SOIL ANALYTICAL RESULTS**  
**RESTRICTED RESIDENTIAL EXCEEDANCES**  
**OLD AGWAY STORE**

| Location ID                           |       |           | SB-02       | SB-03      | SB-04      | SB-04       | SB-04        |
|---------------------------------------|-------|-----------|-------------|------------|------------|-------------|--------------|
| Sample ID                             |       |           | SB-2 (8-10) | SB-3 (6-8) | SB-4 (6-8) | SB-4 (8-10) | SB-4 (10-12) |
| Matrix                                |       |           | Soil        | Soil       | Soil       | Soil        | Soil         |
| Depth Interval (ft)                   |       |           | 8.0-10.0    | 6.0-8.0    | 6.0-8.0    | 8.0-10.0    | 10.0-12.0    |
| Date Sampled                          |       |           | 05/15/13    | 05/16/13   | 05/16/13   | 05/16/13    | 05/16/13     |
| Parameter                             | Units | Criteria* |             |            |            |             |              |
| <b>Semivolatile Organic Compounds</b> |       |           |             |            |            |             |              |
| Benzo(a)anthracene                    | MG/KG | 1         | 1.1         | 0.76 J     | 1.6 J      | 3.1         | 0.37 J       |
| Benzo(a)pyrene                        | MG/KG | 1         | 0.81        | 1.1 J      | 1.4 J      | 2.9 J       | 0.31 J       |
| Benzo(b)fluoranthene                  | MG/KG | 1         | 1.1         | 2.0 J      | 3.3 J      | 6.2 J       | 0.65         |
| Chrysene                              | MG/KG | 3.9       | 0.98        | 2.3 J      | 3.3        | 5.6         | 0.69         |
| Dibenz(a,h)anthracene                 | MG/KG | 0.33      | 0.11 J      |            | 0.31 J     | 0.54 J      |              |
| Indeno(1,2,3-cd)pyrene                | MG/KG | 0.5       | 0.32 J      | 0.61 J     | 0.89 J     | 1.7 J       | 0.14 J       |
| <b>Pesticide Organic Compounds</b>    |       |           |             |            |            |             |              |
| Aldrin                                | MG/KG | 0.097     |             |            | 0.0072 J   | 0.68 D      | 0.022 J      |
| Dieldrin                              | MG/KG | 0.2       |             |            | 0.79 DJ    | 1.3 DJ      | 0.33 D       |
| <b>Metals</b>                         |       |           |             |            |            |             |              |
| Chromium                              | MG/KG | 180       | 8.0         | NA         | 3.3        | 12.6        | NA           |
| Lead                                  | MG/KG | 400       | 44.5        | NA         | 13.6 J     | 58.3 J      | NA           |

\*Criteria- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Protection of Public Health, Restricted Residential, including CP-51 Table 1, Effective 12/2/10.

Flags assigned during chemistry validation are shown.

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J - The reported concentration is an estimated value. J+ - Estimated value, biased high. D - Result reported from a secondary dilution analysis.

NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration.

Only Detected Results Reported.

Advanced Selection: TABLE 1 PRF  
J:\Projects\11176892\BIE\EDMS.mde  
Printed: 10/23/2018 11:24:57 AM

[MATRIX] = 'SO' AND [FLDSAMPID] = 'MW-3 (4-6)' OR [FLDSAMPID] = 'MW-3 (8-10)' OR [FLDSAMPID] LIKE 'MW-9 (8-10\*)' OR [FLDSAMPID] LIKE 'MW-9 (10-12\*)' OR [FLDSAMPID] = 'SB-1 (6-8)' OR [FLDSAMPID] = 'SB-2 (8-10)' OR [FLDSAMPID] = 'SB-3 (6-8)' OR [FLDSAMPID] = 'SB-4 (6-8)' OR [FLDSAMPID] = 'SB-4 (8-10)' OR [FLDSAMPID] = 'SB-4 (10-12)' OR [FLDSAMPID] = 'SB-5 (10-12)'

**TABLE 1**  
**ON-SITE SOIL ANALYTICAL RESULTS**  
**RESTRICTED RESIDENTIAL EXCEEDANCES**  
**OLD AGWAY STORE**

| Location ID                           |       |           | SB-05        | SB-06       | SB-07      | SS-04    |
|---------------------------------------|-------|-----------|--------------|-------------|------------|----------|
| Sample ID                             |       |           | SB-5 (10-12) | SB-6 (8-10) | SB-7 (6-8) | SS-4     |
| Matrix                                |       |           | Soil         | Soil        | Soil       | Soil     |
| Depth Interval (ft)                   |       |           | 10.0-12.0    | 8.0-10.0    | 6.0-8.0    | 0.0-0.5  |
| Date Sampled                          |       |           | 05/17/13     | 05/17/13    | 05/22/13   | 05/22/13 |
| Parameter                             | Units | Criteria* |              |             |            |          |
| <b>Semivolatile Organic Compounds</b> |       |           |              |             |            |          |
| Benzo(a)anthracene                    | MG/KG | 1         |              | 1.0         | 0.13 J     | 0.54     |
| Benzo(a)pyrene                        | MG/KG | 1         |              | 0.77        | 0.17 J     | 0.64     |
| Benzo(b)fluoranthene                  | MG/KG | 1         |              | 1.1         | 0.29 J     | 1.7      |
| Chrysene                              | MG/KG | 3.9       |              | 1.2         | 0.20 J     | 0.83     |
| Dibenz(a,h)anthracene                 | MG/KG | 0.33      |              | 0.12 J      |            | 0.14 J   |
| Indeno(1,2,3-cd)pyrene                | MG/KG | 0.5       |              | 0.30 J      | 0.086 J    | 0.36 J   |
| <b>Pesticide Organic Compounds</b>    |       |           |              |             |            |          |
| Aldrin                                | MG/KG | 0.097     | 0.27 D       |             | 0.12 D     |          |
| Dieldrin                              | MG/KG | 0.2       | 0.070 J      |             | 0.67 D     |          |
| <b>Metals</b>                         |       |           |              |             |            |          |
| Chromium                              | MG/KG | 180       | NA           | 1.6         | NA         | 11.7     |
| Lead                                  | MG/KG | 400       | NA           | 13.4 J+     | NA         | 18.5     |

\*Criteria- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Protection of Public Health, Restricted Residential, including CP-51 Table 1, Effective 12/2/10.

Flags assigned during chemistry validation are shown.

 Concentration Exceeds Criteria

Empty cell or ND - Not detected. NA - Not analyzed.

J - The reported concentration is an estimated value. J+ - Estimated value, biased high. D - Result reported from a secondary dilution analysis.

NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration.

Only Detected Results Reported.

Advanced Selection: TABLE 1 PRF  
J:\Projects\11176892\DB\EDMS.mde  
Printed: 10/23/2018 11:24:57 AM

[MATRIX] = 'SO' AND [FLDSAMPID] = 'MW-3 (4-6)' OR [FLDSAMPID] = 'MW-3 (8-10)' OR [FLDSAMPID] LIKE 'MW-9 (8-10\*)' OR [FLDSAMPID] LIKE 'MW-9 (10-12\*)' OR [FLDSAMPID] = 'SB-1 (6-8)' OR [FLDSAMPID] = 'SB-2 (8-10)' OR [FLDSAMPID] = 'SB-3 (6-8)' OR [FLDSAMPID] = 'SB-4 (6-8)' OR [FLDSAMPID] = 'SB-4 (8-10)' OR [FLDSAMPID] = 'SB-4 (10-12)' OR [FLDSAMPID] = 'SB-5 (10-12)'

**TABLE 2**  
**GROUNDWATER ANALYTICAL RESULTS - DETECTIONS ONLY**  
**OLD AGWAY STORE SITE**

| Location ID                           |       |           | MW-01    |          |                 |          | MW-02    |          |          | MW-03    |          | MW-07    |          | MW-08    |          | MW-09    |          | MW-10    |
|---------------------------------------|-------|-----------|----------|----------|-----------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Date Sampled                          |       |           | 06/06/13 | 05/06/14 | 04/16/18        | 04/16/18 | 06/07/13 | 05/07/14 | 04/16/18 | 06/07/13 | 05/07/14 | 05/07/14 | 04/17/18 | 05/07/14 | 04/17/18 | 05/07/14 | 04/17/18 | 05/07/14 |
| Parameter                             | Units | Criteria* |          |          | Field Duplicate |          |          |          |          |          |          |          |          |          |          |          |          |          |
| <b>Volatile Organic Compounds</b>     |       |           |          |          |                 |          |          |          |          |          |          |          |          |          |          |          |          |          |
| Acetone                               | UG/L  | 50        |          |          |                 |          |          |          |          |          |          |          |          |          |          |          |          | 8.0      |
| Chlorobenzene                         | UG/L  | 5         |          |          |                 |          | 24       |          | 1.6      |          |          |          |          |          |          |          |          |          |
| Methylene chloride                    | UG/L  | 5         |          |          |                 | 0.47 J   |          |          |          |          |          |          |          |          |          |          |          |          |
| Xylene (total)                        | UG/L  | 5         |          |          |                 |          |          |          |          |          |          |          |          | 4.0 J    |          |          |          |          |
| <b>Semivolatile Organic Compounds</b> |       |           |          |          |                 |          |          |          |          |          |          |          |          |          |          |          |          |          |
| Acenaphthene                          | UG/L  | 20        |          |          |                 |          |          |          |          |          |          |          |          | 1.0 J    |          |          |          |          |
| Atrazine                              | UG/L  | 7.5       |          |          |                 |          | 320 D    | 3.0 J    | 15       |          |          |          |          | 2.0 J    | 0.54 J   |          |          |          |
| bis(2-Ethylhexyl)phthalate            | UG/L  | 5         |          |          |                 |          |          |          |          |          |          | 2.0 J    |          |          |          |          |          |          |
| Naphthalene                           | UG/L  | 10        |          | 1.0 J    |                 |          |          |          |          |          |          |          |          |          |          |          |          |          |
| <b>Pesticides</b>                     |       |           |          |          |                 |          |          |          |          |          |          |          |          |          |          |          |          |          |
| Dieldrin                              | UG/L  | 0.004     |          |          |                 |          |          |          |          |          |          |          |          | 0.15     | 0.060    |          |          |          |
| <b>Herbicides</b>                     |       |           |          |          |                 |          |          |          |          |          |          |          |          |          |          |          |          |          |
| 2,4,5-TP (Silvex)                     | UG/L  | 0.26      |          |          |                 |          | 0.27     |          |          |          |          |          |          |          |          |          |          | 0.53     |
| Dicamba                               | UG/L  | 0.44      |          |          | NA              | NA       |          |          | NA       | 0.11 J   |          |          | NA       |          | NA       |          | NA       |          |

**TABLE 2**  
**GROUNDWATER ANALYTICAL RESULTS - DETECTIONS ONLY**  
**OLD AGWAY STORE SITE**

| Location ID   |       |           | MW-01    |          |                 |           | MW-02    |          |          | MW-03    |          | MW-07    |          | MW-08    |          | MW-09    |          | MW-10    |
|---------------|-------|-----------|----------|----------|-----------------|-----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Date Sampled  |       |           | 06/06/13 | 05/06/14 | 04/16/18        | 04/16/18  | 06/07/13 | 05/07/14 | 04/16/18 | 06/07/13 | 05/07/14 | 05/07/14 | 04/17/18 | 05/07/14 | 04/17/18 | 05/07/14 | 04/17/18 | 05/07/14 |
| Parameter     | Units | Criteria* |          |          | Field Duplicate |           |          |          |          |          |          |          |          |          |          |          |          |          |
| <b>Metals</b> |       |           |          |          |                 |           |          |          |          |          |          |          |          |          |          |          |          |          |
| Aluminum      | UG/L  | -         | 57.3 J   | 53.1 J   | 140 J           | 650 J     |          | 62.3 J   |          | 51.3 J   | 11.6 J   | 99.2 J   | 760 J-   | 16.9 J   | 110 J-   | 112 J    |          | 57.7 J   |
| Antimony      | UG/L  | 3         |          |          |                 |           | 2.3 J    |          |          | 1.7 J    |          |          |          |          |          |          |          |          |
| Arsenic       | UG/L  | 25        |          |          |                 |           | 3.6 J    |          |          |          |          |          |          |          |          |          |          |          |
| Barium        | UG/L  | 1000      | 55.9 J   | 65.9 J   | 140             | 130       | 44.7 J   | 54.7 J   | 72       | 25.1 J   | 27.0 J   | 38.8 J   | 50       | 3.8 J    | 77       | 54.3 J   | 55       | 98.4 J   |
| Cadmium       | UG/L  | 5         |          | 0.60 J   | 9.7             | 7.7       |          |          |          |          | 0.30 J   |          |          | 1.0 J    |          | 0.40 J   |          |          |
| Calcium       | UG/L  | -         | 96,500   | 119,000  | 197,000         | 214,000   | 75,400   | 39,600   | 48,800   | 99,200   | 112,000  | 76,000   | 81,000   | 90,600   | 108,000  | 102,000  | 121,000  | 18,800   |
| Chromium      | UG/L  | 50        |          |          |                 |           |          |          |          |          |          | 3.1 J    | 2.8 J+   | 2.4 J    |          |          |          |          |
| Cobalt        | UG/L  | -         |          |          | 2.4 J           | 2.8 J     | 0.60 J   |          | 2.1 J    | 2.7 J    |          |          | 1.2 J    |          | 2.5 J    |          |          |          |
| Copper        | UG/L  | 200       | 0.70 J   | 0.80 J   | 3 J             | 24 J      |          | 2.0 J    | 2 J      | 1.3 J    | 4.8 J    | 1.8 J    | 3.8 J-   | 28.8     | 10 J-    | 2.7 J    | 2.6 J-   | 8.7 J    |
| Iron          | UG/L  | 300       | 80.1 J   | 141      | 280 J           | 1,300 J   | 9,440    | 772      | 660      | 1,080    | 2,780    | 102      | 1,100 J+ | 9,550    | 3,900 J+ | 3,210    | 720 J+   | 80.8 J   |
| Lead          | UG/L  | 25        | 14.3     | 6.1      |                 |           | 18.9     | 4.7 J    |          | 17.2     | 7.4      | 5.1      |          | 12.9     |          | 10.2     |          | 3.5 J    |
| Magnesium     | UG/L  | 35000     | 20,200   | 25,700   | 42,400          | 48,600    | 9,590    | 8,160    | 9,100    | 13,800   | 14,100   | 22,600   | 25,100   | 13,900   | 21,100   | 17,800   | 22,000   | 9,250    |
| Manganese     | UG/L  | 300       | 1,740    | 3,220    | 5,600 J+        | 7,100 J+  | 846      | 363      | 380 J+   | 268      | 178      | 361      | 380 J+   | 487      | 340 J+   | 176      | 35 J+    | 45.7     |
| Nickel        | UG/L  | 100       |          | 2.1 J    | 3.7 J           | 4.4 J     |          | 2.1 J    |          |          | 4.3 J    | 1.2 J    |          | 1.1 J    | 3 J      | 8.6 J    | 4 J      | 8.8 J    |
| Potassium     | UG/L  | -         | 12,200 J | 3,330 J  | 4,500           | 4,200     | 9,070 J  | 1,490 J  | 2,100    | 4,430 J  | 4,860 J  | 1,800 J  | 1,800    | 6,100    | 5,100    | 4,830 J  | 4,700    | 95,600   |
| Silver        | UG/L  | 50        |          |          |                 |           |          |          |          |          |          |          |          | 0.68 J   |          |          |          |          |
| Sodium        | UG/L  | 20000     | 299,000  | 332,000  | 615,000 J       | 478,000 J | 33,600   | 20,600   | 23,100   | 158,000  | 123,000  | 169,000  | 138,000  | 108,000  | 73,400   | 237,000  | 339,000  | 150,000  |
| Vanadium      | UG/L  | -         | 0.80 J   |          |                 | 2.1 J-    | 0.80 J   | 0.70 J   |          | 0.80 J   | 0.40 J   | 0.70 J   |          | 0.80 J   | 1.9 J    | 0.80 J   |          | 3.6 J    |
| Zinc          | UG/L  | 2000      | 11.6 J   | 18.3 J   | 68 J            | 100 J     |          | 22.5     | 27       | 178      | 527      | 11.4 J   | 8.1 J    | 75.0     | 62       | 243      | 190      | 21.5     |

\*Criteria- NYSDEC TOGS (1.1.1), Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations. April 2000, Class GA.

**Concentration Exceeds Criteria** Empty cell - Not detected.

Flags assigned during chemistry validation are shown.

NA - Not analyzed J - The reported concentration is an estimated value. J+ - estimated value, biased high. J- - Estimated value, biased low.

**TABLE 3**  
**LEACHATE ANALYTICAL RESULTS - DETECTIONS ONLY**  
**OLD AGWAY STORE SITE**

| Location ID                           |       |           | LEACHATE |          |          |                 |          |                 |
|---------------------------------------|-------|-----------|----------|----------|----------|-----------------|----------|-----------------|
| Date Sampled                          |       |           | 02/01/10 | 10/06/11 | 05/07/14 | 05/07/14        | 04/17/18 | 04/17/18        |
| Parameter                             | Units | Criteria* |          |          |          | Field Duplicate |          | Field Duplicate |
| <b>Semivolatile Organic Compounds</b> |       |           |          |          |          |                 |          |                 |
| Atrazine                              | UG/L  | 7.5       | 150      | 270 D    | 150 D    | 130 D           | 62       | 62              |
| <b>Pesticide Organic Compounds</b>    |       |           |          |          |          |                 |          |                 |
| Aldrin                                | UG/L  | ND        | 0.14     | 0.11 P   | 0.10     | 0.10            | 0.042 J  | 0.034 J         |
| Dieldrin                              | UG/L  | 0.004     | 0.12     | 0.21     | 0.17     | 0.18            | 0.29     | 0.26            |
| <b>Herbicides</b>                     |       |           |          |          |          |                 |          |                 |
| 2,4,5-TP (Silvex)                     | UG/L  | 0.26      | 0.13     |          |          |                 |          |                 |
| <b>Metals</b>                         |       |           |          |          |          |                 |          |                 |
| Aluminum                              | UG/L  | -         | NA       | NA       | 13.8 J   | 21.5 J          |          |                 |
| Barium                                | UG/L  | 1000      | NA       | NA       | 8.6 J    | 8.3 J           | 6.9      | 6.8             |
| Cadmium                               | UG/L  | 5         | NA       | NA       | 0.20 J   | 0.20 J          |          |                 |
| Calcium                               | UG/L  | -         | NA       | NA       | 112,000  | 113,000         | 117,000  | 111,000         |
| Copper                                | UG/L  | 200       | NA       | NA       | 1.6 J    | 1.4 J           |          |                 |
| Iron                                  | UG/L  | 300       | NA       | NA       | 2,340    | 2,380           | 480 J+   | 590 J+          |
| Lead                                  | UG/L  | 25        | NA       | NA       | 9.0      | 8.0             |          |                 |
| Magnesium                             | UG/L  | 35000     | NA       | NA       | 18,500   | 18,500          | 18,800   | 18,000          |
| Manganese                             | UG/L  | 300       | NA       | NA       | 434      | 437             | 340 J+   | 320 J+          |
| Nickel                                | UG/L  | 100       | NA       | NA       | 2.5 J    | 0.60 J          |          |                 |
| Potassium                             | UG/L  | -         | NA       | NA       | 11,000   | 10,500          | 8,600    | 8,100           |
| Silver                                | UG/L  | 50        | NA       | NA       | 0.45 J   |                 |          |                 |
| Sodium                                | UG/L  | 20000     | NA       | NA       | 152,000  | 151,000         | 170,000  | 161,000         |
| Vanadium                              | UG/L  | -         | NA       | NA       | 1.0 J    | 1.0 J           |          |                 |
| Zinc                                  | UG/L  | 2000      | NA       | NA       | 74.9     | 49.6            | 56       | 54              |

Criteria- \* NYSDEC TOGS (1.1.1), Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations. April 2000, Class GA.

**Concentration Exceeds Criteria**

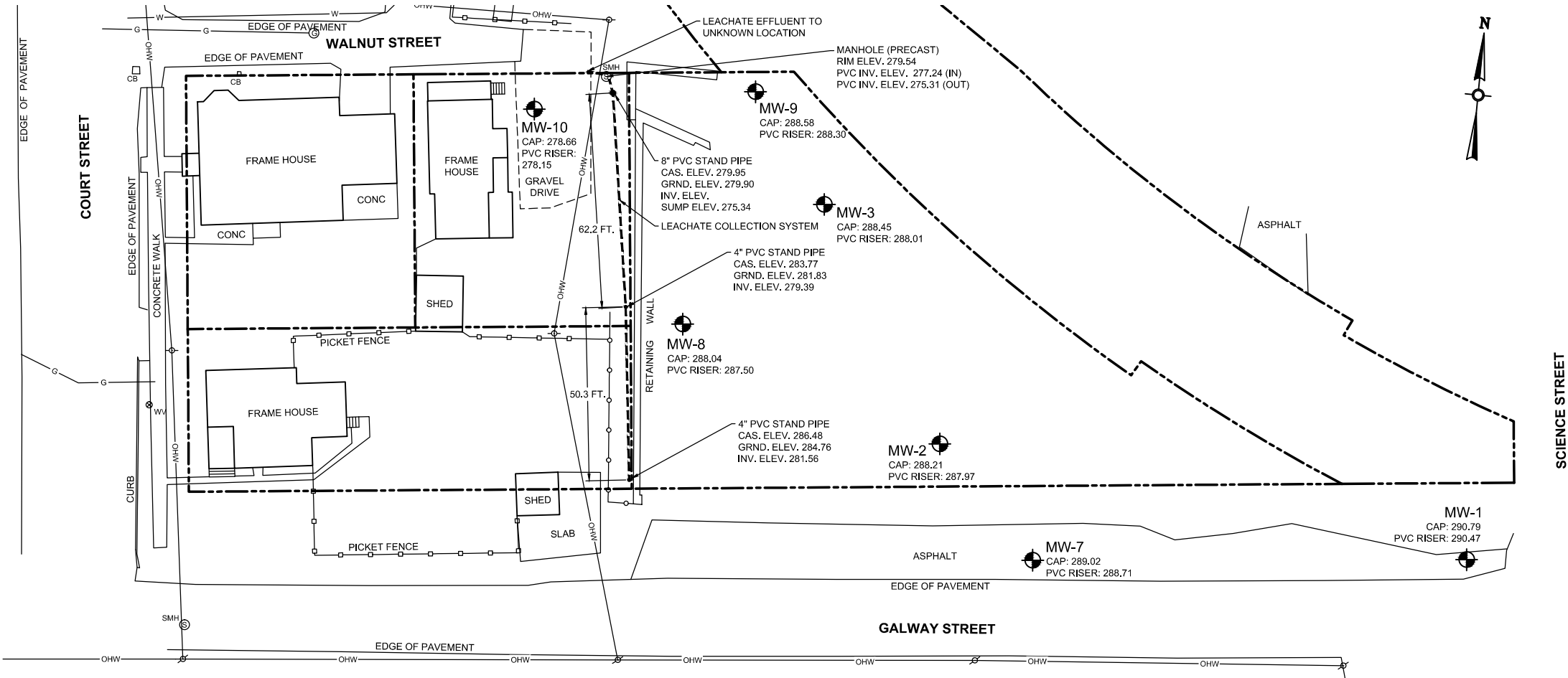
Empty cell - Not detected.

Flags assigned during chemistry validation are shown. NA - Not analyzed.

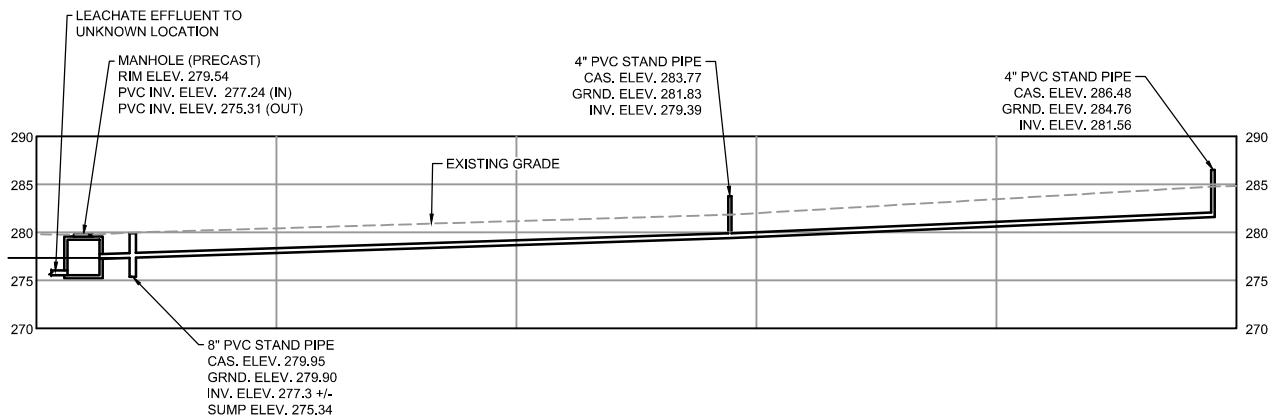
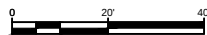
D - Results reported from a secondary dilution. J - The reported concentration is an estimated value. J+ - estimated value, biased high.

# ATTACHMENT A

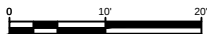
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LEACHATE COLLECTION SYSTEM PLAN



LEACHATE COLLECTION SYSTEM PROFILE



MAPPING REFERENCE:

- 1. MAPPING BASED ON A PLAN AND SURVEY TITLED "OLD AGWAY STORE SITE SURVEY" BY YEC, INC., DATED JUNE 2013. LAST REVISED 5-8-2014, INCLUDING ALL NOTES AND REFERENCES THEREIN.
- 2. LEACHATE COLLECTION SYSTEM ADDED BY URS FROM A SITE SURVEY DATED 4-19-2017.

|                                                                                                                                                                                                                                                                                                                                                                                                                                  |         |             |      |  |             |  |  |  |  |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|-------------|------|--|-------------|--|--|--|--|
| WARNING<br>IT IS A VIOLATION OF SECTION 7209, SUBDIVISION 2, OF THE NEW YORK STATE EDUCATION LAW FOR ANY PERSON OTHER THAN WHOSE SEAL APPEARS ON THIS DRAWING, TO ALTER IN ANY WAY AN ITEM ON THIS DRAWING. IF AN ITEM IS ALTERED, THE ALTERING ENGINEER SHALL AFFIX TO THE ITEM HIS SEAL AND THE NOTATION "ALTERED BY" FOLLOWED BY HIS SIGNATURE AND THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION. |         |             |      |  |             |  |  |  |  |
| NO.                                                                                                                                                                                                                                                                                                                                                                                                                              | MADE BY | APPROVED BY | DATE |  | DESCRIPTION |  |  |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                  |         |             |      |  | REVISIONS   |  |  |  |  |

DESIGNED BY:       
DRAWN BY: RAL  
CHECKED BY: GK  
PROJ. ENGR. CD

**URS Corporation**  
New York  
257 West Genesee Street, Suite 400  
Buffalo, New York 14202-2657  
(716)856-5636 - (716)856-2545 fax

**JOB NO. 11176892**

SARATOGA COUNTY  
NEW YORK STATE  
DEPARTMENT OF CONSERVATION  
TOWN OF BALLSTON SPA NEW YORK

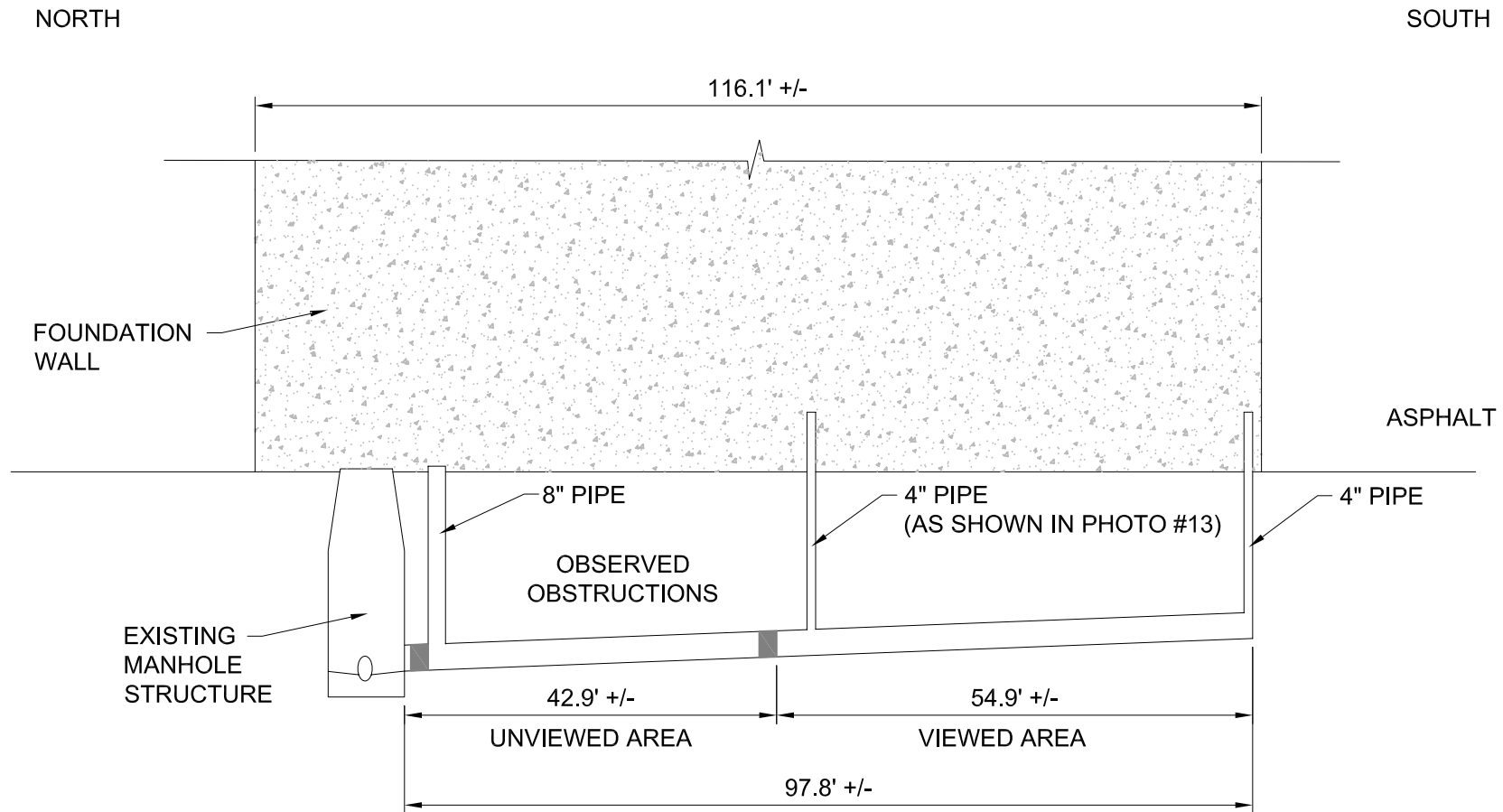
OLD AGWAY STORE  
(SITE ID #546021)

LEACHATE COLLECTION SYSTEM  
PLAN AND PROFILE

Scale: AS SHOWN Date: JAN. 2018 FIGURE 7

# ATTACHMENT B

---



## CROSS SECTION (FACING EAST)

NOT TO SCALE



A **tyco** International Ltd. Company

### VIDEO INVESTIGATION OF LEACHATE COLLECTION SYSTEM FIGURE 2 - SCHEMATIC CROSS SECTION SHOWING OBSTRUCTIONS

OLD AGWAY STORE - SITE 5-46-021  
BALLSTON SPA, NEW YORK

|                                   |          |                      |                   |                  |
|-----------------------------------|----------|----------------------|-------------------|------------------|
| FILE NAME:<br>Agway Reference.dwg | DRN<br>— | PROJECT NO.<br>99161 | DATE<br>JUNE 2008 | FIGURE NO.<br>02 |
|-----------------------------------|----------|----------------------|-------------------|------------------|

# ATTACHMENT C

---

# URS Corporation

257 West Genesee Street, Suite 400  
Buffalo, New York 14202-2657  
Telephone: (716)-856-5636  
Fax: (716)-856-2545

DATE: 2/10/2017

DAY 

|   |   |   |   |    |   |   |
|---|---|---|---|----|---|---|
| S | M | T | W | TH | F | S |
|---|---|---|---|----|---|---|

## DAILY CONSTRUCTION REPORT

PROJECT: Former Agway Monitoring Well Abandonment  
CONTRACTOR: SJB Services, Inc.  
URS JOB No.: 60415501  
URS PROJECT MANAGER: Chuck Dusel

|          |            |       |          |            |           |
|----------|------------|-------|----------|------------|-----------|
| WEATHER  | Bright Sun | Clear | Overcast | Rain       | Snow      |
| TEMP     | To 32      | 32-50 | 50-70    | 70-85      | 85 and up |
| WIND     | Still      | Moder | High     | Report No. |           |
| HUMIDITY | Dry        | Moder | Humid    |            |           |

### AVERAGE FIELD FORCE

| Name of Contractor   | Non-manual | Manual                     | Remarks     |
|----------------------|------------|----------------------------|-------------|
| Summit Drilling Inc. |            | 1 Supervisor<br>3 Laborers | Jim Vincent |

### VISITORS

| Time | Representing | Representing | Remarks |
|------|--------------|--------------|---------|
|      |              |              |         |

**EQUIPMENT AT THE SITE:** Truck mounted direct push drill rig, grout mixing truck, support truck, grout mixer, tremie pipe.

### CONSTRUCTION ACTIVITIES:

08:55 - AECOM on site. Contractor SJB Services, Inc. (SJB) on site with (3+1). Speak with Jim Vincent of SJB regarding scope of work. Monitoring wells MW-04 and MW-05 have already been located. SJB is unsure as to where MW-06 is. AECOM will locate MW-06.

09:25 - AECOM has located MW-06. Advise SJB, and discuss scope further with SJB supervisor. SJB will knock the bottom plug out of each well, and then will grout each well in place using a tremie pipe and remove the 2" PVC casings with the truck mounted drill rig. SJB advises that MW-06 will have to be removed by hand due to access issues.

09:50 - SJB has broken up and removed the well boxes for monitoring wells MW-04, MW-05, and MW-06 (all flush mount wells).

10:05 - SJB begins abandonment of MW-04.

10:35 - Begin grouting in place of MW-04. SJB is using Quikrete portland cement, bentonite, and water as grouting material.

10:45 - Grouting of MW-04 is complete. SJB moves to MW-05.

10:50 - SJB begins abandonment of MW-05.

11:00 - SJB begins grouting in place of MW-05

11:10 - Grouting of MW-05 is complete. SJB moves to MW-06.

11:15 - SJB begins abandonment of MW-06. Jim Vincent of SJB leaves site.

11:25 - Begin grouting in place of MW-06.

11:35 - Grouting in place of MW-06 is complete. SJB laborers leave site to get top soil for restoring MW-04, MW-05, and MW-06.

See attached photos

Sheet: 1 of 2

☒ X - designates info on  
backside of page

By: Mike Kuzia-Carmel  
Reviewed by: 

Title: Envir. Science  
Title: Project Manager

# URS Corporation

257 West Genesee Street, Suite 400  
Buffalo, New York 14202-2657  
Telephone: (716)-856-5636  
Fax: (716)-856-2545

DATE: 2/10/2017

|     |   |   |   |   |    |   |   |
|-----|---|---|---|---|----|---|---|
| DAY | S | M | T | W | TH | F | S |
|-----|---|---|---|---|----|---|---|

## DAILY CONSTRUCTION REPORT

PROJECT: Former Agway Monitoring Well Abandonment  
CONTRACTOR: SJB Services, Inc.  
URS JOB No.: 60415501  
URS PROJECT MANAGER: Chuck Dusel

|          |            |       |          |            |           |
|----------|------------|-------|----------|------------|-----------|
| WEATHER  | Bright Sun | Clear | Overcast | Rain       | Snow      |
| TEMP     | To 32      | 32-50 | 50-70    | 70-85      | 85 and up |
| WIND     | Still      | Moder | High     | Report No. |           |
| HUMIDITY | Dry        | Moder | Humid    |            |           |

### AVERAGE FIELD FORCE

| Name of Contractor   | Non-manual | Manual | Remarks                                |
|----------------------|------------|--------|----------------------------------------|
| Summit Drilling Inc. |            |        | 1 Supervisor Jim Vincent<br>3 Laborers |

### VISITORS

| Time | Representing | Representing | Remarks |
|------|--------------|--------------|---------|
|      |              |              |         |

**EQUIPMENT AT THE SITE:** Truck mounted direct push drill rig, grout mixing truck, support truck, grout mixer, tremie pipe.

### CONSTRUCTION ACTIVITIES:

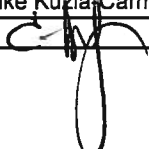
12:00 - SJB laborers return to site with top soil, and backfill MW-04, MW-05, and MW-06 to grade. AECOM verifies placement of ferrous metal markers at all three locations with metal detector.

12:30 - All locations have been backfilled. AECOM and SJB laborers leave site.

See attached photos

Sheet: 2 of 2

☒ X - designates info on  
backside of page

By: Mike Kuzia-Carmel  
Reviewed by: 

Title: Envir. Science  
Title: Project Manager

# WELL DECOMMISSIONING RECORD

|                                             |                              |
|---------------------------------------------|------------------------------|
| Site Name: Old Agway Store, Site No. 546021 | Well I.D.: MW-04             |
| Site Location: Ballston Spa, NY             | Driller: Jim Vincent         |
| Drilling Co.: SJB Services                  | Inspector: Mike Kuzia-Carmel |
|                                             | Date: 2/10/2017              |

| DECOMMISSIONING DATA<br>(Fill in all that apply)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | WELL SCHEMATIC*                                                                                                                                  |  |                    |  |                     |  |                                   |  |                                  |  |                        |  |                      |  |                 |          |                         |        |                        |            |                |          |                             |  |                      |  |                     |        |                         |              |                       |   |                               |  |                               |       |                                |         |             |          |                                   |  |                                          |  |                                 |  |                             |       |                                                                                                                                              |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------|--|--------------------|--|---------------------|--|-----------------------------------|--|----------------------------------|--|------------------------|--|----------------------|--|-----------------|----------|-------------------------|--------|------------------------|------------|----------------|----------|-----------------------------|--|----------------------|--|---------------------|--------|-------------------------|--------------|-----------------------|---|-------------------------------|--|-------------------------------|-------|--------------------------------|---------|-------------|----------|-----------------------------------|--|------------------------------------------|--|---------------------------------|--|-----------------------------|-------|----------------------------------------------------------------------------------------------------------------------------------------------|
| <p><u>OVERDRILLING</u></p> <table style="width: 100%;"> <tr><td>Interval Drilled</td><td></td></tr> <tr><td>Drilling Method(s)</td><td></td></tr> <tr><td>Borehole Dia. (in.)</td><td></td></tr> <tr><td>Temporary Casing Installed? (y/n)</td><td></td></tr> <tr><td>Depth temporary casing installed</td><td></td></tr> <tr><td>Casing type/dia. (in.)</td><td></td></tr> <tr><td>Method of installing</td><td></td></tr> </table> <p><u>CASING PULLING</u></p> <table style="width: 100%;"> <tr><td>Method employed</td><td>Geoprobe</td></tr> <tr><td>Casing retrieved (feet)</td><td>15 ft.</td></tr> <tr><td>Casing type/dia. (in.)</td><td>PVC, 2 in.</td></tr> </table> <p><u>CASING PERFORATING</u></p> <table style="width: 100%;"> <tr><td>Equipment used</td><td>Geoprobe</td></tr> <tr><td>Number of perforations/foot</td><td></td></tr> <tr><td>Size of perforations</td><td></td></tr> <tr><td>Interval perforated</td><td>bottom</td></tr> </table> <p><u>GROUTING</u></p> <table style="width: 100%;"> <tr><td>Interval grouted (FBLS)</td><td>1 to 15 fbgs</td></tr> <tr><td># of batches prepared</td><td>1</td></tr> <tr><td colspan="2"><u>For each batch record:</u></td></tr> <tr><td>Quantity of water used (gal.)</td><td>2 gal</td></tr> <tr><td>Quantity of cement used (lbs.)</td><td>31 lbs.</td></tr> <tr><td>Cement type</td><td>Portland</td></tr> <tr><td>Quantity of bentonite used (lbs.)</td><td></td></tr> <tr><td>Quantity of calcium chloride used (lbs.)</td><td></td></tr> <tr><td>Volume of grout prepared (gal.)</td><td></td></tr> <tr><td>Volume of grout used (gal.)</td><td>3 gal</td></tr> </table> | Interval Drilled                                                                                                                                 |  | Drilling Method(s) |  | Borehole Dia. (in.) |  | Temporary Casing Installed? (y/n) |  | Depth temporary casing installed |  | Casing type/dia. (in.) |  | Method of installing |  | Method employed | Geoprobe | Casing retrieved (feet) | 15 ft. | Casing type/dia. (in.) | PVC, 2 in. | Equipment used | Geoprobe | Number of perforations/foot |  | Size of perforations |  | Interval perforated | bottom | Interval grouted (FBLS) | 1 to 15 fbgs | # of batches prepared | 1 | <u>For each batch record:</u> |  | Quantity of water used (gal.) | 2 gal | Quantity of cement used (lbs.) | 31 lbs. | Cement type | Portland | Quantity of bentonite used (lbs.) |  | Quantity of calcium chloride used (lbs.) |  | Volume of grout prepared (gal.) |  | Volume of grout used (gal.) | 3 gal | <p>Depth<br/>(feet)</p> <p>0</p> <p>5</p> <p>10</p> <p>15</p> <p>Topsoil</p> <p>Cement grout</p> <p>Bottom pierced</p> <p>Ferrous Marker</p> |
| Interval Drilled                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                                                                                                  |  |                    |  |                     |  |                                   |  |                                  |  |                        |  |                      |  |                 |          |                         |        |                        |            |                |          |                             |  |                      |  |                     |        |                         |              |                       |   |                               |  |                               |       |                                |         |             |          |                                   |  |                                          |  |                                 |  |                             |       |                                                                                                                                              |
| Drilling Method(s)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                  |  |                    |  |                     |  |                                   |  |                                  |  |                        |  |                      |  |                 |          |                         |        |                        |            |                |          |                             |  |                      |  |                     |        |                         |              |                       |   |                               |  |                               |       |                                |         |             |          |                                   |  |                                          |  |                                 |  |                             |       |                                                                                                                                              |
| Borehole Dia. (in.)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                                                                                  |  |                    |  |                     |  |                                   |  |                                  |  |                        |  |                      |  |                 |          |                         |        |                        |            |                |          |                             |  |                      |  |                     |        |                         |              |                       |   |                               |  |                               |       |                                |         |             |          |                                   |  |                                          |  |                                 |  |                             |       |                                                                                                                                              |
| Temporary Casing Installed? (y/n)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                                                  |  |                    |  |                     |  |                                   |  |                                  |  |                        |  |                      |  |                 |          |                         |        |                        |            |                |          |                             |  |                      |  |                     |        |                         |              |                       |   |                               |  |                               |       |                                |         |             |          |                                   |  |                                          |  |                                 |  |                             |       |                                                                                                                                              |
| Depth temporary casing installed                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                                                                                                  |  |                    |  |                     |  |                                   |  |                                  |  |                        |  |                      |  |                 |          |                         |        |                        |            |                |          |                             |  |                      |  |                     |        |                         |              |                       |   |                               |  |                               |       |                                |         |             |          |                                   |  |                                          |  |                                 |  |                             |       |                                                                                                                                              |
| Casing type/dia. (in.)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                                                                  |  |                    |  |                     |  |                                   |  |                                  |  |                        |  |                      |  |                 |          |                         |        |                        |            |                |          |                             |  |                      |  |                     |        |                         |              |                       |   |                               |  |                               |       |                                |         |             |          |                                   |  |                                          |  |                                 |  |                             |       |                                                                                                                                              |
| Method of installing                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                                                                                  |  |                    |  |                     |  |                                   |  |                                  |  |                        |  |                      |  |                 |          |                         |        |                        |            |                |          |                             |  |                      |  |                     |        |                         |              |                       |   |                               |  |                               |       |                                |         |             |          |                                   |  |                                          |  |                                 |  |                             |       |                                                                                                                                              |
| Method employed                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Geoprobe                                                                                                                                         |  |                    |  |                     |  |                                   |  |                                  |  |                        |  |                      |  |                 |          |                         |        |                        |            |                |          |                             |  |                      |  |                     |        |                         |              |                       |   |                               |  |                               |       |                                |         |             |          |                                   |  |                                          |  |                                 |  |                             |       |                                                                                                                                              |
| Casing retrieved (feet)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 15 ft.                                                                                                                                           |  |                    |  |                     |  |                                   |  |                                  |  |                        |  |                      |  |                 |          |                         |        |                        |            |                |          |                             |  |                      |  |                     |        |                         |              |                       |   |                               |  |                               |       |                                |         |             |          |                                   |  |                                          |  |                                 |  |                             |       |                                                                                                                                              |
| Casing type/dia. (in.)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | PVC, 2 in.                                                                                                                                       |  |                    |  |                     |  |                                   |  |                                  |  |                        |  |                      |  |                 |          |                         |        |                        |            |                |          |                             |  |                      |  |                     |        |                         |              |                       |   |                               |  |                               |       |                                |         |             |          |                                   |  |                                          |  |                                 |  |                             |       |                                                                                                                                              |
| Equipment used                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Geoprobe                                                                                                                                         |  |                    |  |                     |  |                                   |  |                                  |  |                        |  |                      |  |                 |          |                         |        |                        |            |                |          |                             |  |                      |  |                     |        |                         |              |                       |   |                               |  |                               |       |                                |         |             |          |                                   |  |                                          |  |                                 |  |                             |       |                                                                                                                                              |
| Number of perforations/foot                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                                                                                                  |  |                    |  |                     |  |                                   |  |                                  |  |                        |  |                      |  |                 |          |                         |        |                        |            |                |          |                             |  |                      |  |                     |        |                         |              |                       |   |                               |  |                               |       |                                |         |             |          |                                   |  |                                          |  |                                 |  |                             |       |                                                                                                                                              |
| Size of perforations                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                                                                                  |  |                    |  |                     |  |                                   |  |                                  |  |                        |  |                      |  |                 |          |                         |        |                        |            |                |          |                             |  |                      |  |                     |        |                         |              |                       |   |                               |  |                               |       |                                |         |             |          |                                   |  |                                          |  |                                 |  |                             |       |                                                                                                                                              |
| Interval perforated                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | bottom                                                                                                                                           |  |                    |  |                     |  |                                   |  |                                  |  |                        |  |                      |  |                 |          |                         |        |                        |            |                |          |                             |  |                      |  |                     |        |                         |              |                       |   |                               |  |                               |       |                                |         |             |          |                                   |  |                                          |  |                                 |  |                             |       |                                                                                                                                              |
| Interval grouted (FBLS)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 1 to 15 fbgs                                                                                                                                     |  |                    |  |                     |  |                                   |  |                                  |  |                        |  |                      |  |                 |          |                         |        |                        |            |                |          |                             |  |                      |  |                     |        |                         |              |                       |   |                               |  |                               |       |                                |         |             |          |                                   |  |                                          |  |                                 |  |                             |       |                                                                                                                                              |
| # of batches prepared                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 1                                                                                                                                                |  |                    |  |                     |  |                                   |  |                                  |  |                        |  |                      |  |                 |          |                         |        |                        |            |                |          |                             |  |                      |  |                     |        |                         |              |                       |   |                               |  |                               |       |                                |         |             |          |                                   |  |                                          |  |                                 |  |                             |       |                                                                                                                                              |
| <u>For each batch record:</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                                                                                  |  |                    |  |                     |  |                                   |  |                                  |  |                        |  |                      |  |                 |          |                         |        |                        |            |                |          |                             |  |                      |  |                     |        |                         |              |                       |   |                               |  |                               |       |                                |         |             |          |                                   |  |                                          |  |                                 |  |                             |       |                                                                                                                                              |
| Quantity of water used (gal.)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 2 gal                                                                                                                                            |  |                    |  |                     |  |                                   |  |                                  |  |                        |  |                      |  |                 |          |                         |        |                        |            |                |          |                             |  |                      |  |                     |        |                         |              |                       |   |                               |  |                               |       |                                |         |             |          |                                   |  |                                          |  |                                 |  |                             |       |                                                                                                                                              |
| Quantity of cement used (lbs.)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 31 lbs.                                                                                                                                          |  |                    |  |                     |  |                                   |  |                                  |  |                        |  |                      |  |                 |          |                         |        |                        |            |                |          |                             |  |                      |  |                     |        |                         |              |                       |   |                               |  |                               |       |                                |         |             |          |                                   |  |                                          |  |                                 |  |                             |       |                                                                                                                                              |
| Cement type                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Portland                                                                                                                                         |  |                    |  |                     |  |                                   |  |                                  |  |                        |  |                      |  |                 |          |                         |        |                        |            |                |          |                             |  |                      |  |                     |        |                         |              |                       |   |                               |  |                               |       |                                |         |             |          |                                   |  |                                          |  |                                 |  |                             |       |                                                                                                                                              |
| Quantity of bentonite used (lbs.)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                                                  |  |                    |  |                     |  |                                   |  |                                  |  |                        |  |                      |  |                 |          |                         |        |                        |            |                |          |                             |  |                      |  |                     |        |                         |              |                       |   |                               |  |                               |       |                                |         |             |          |                                   |  |                                          |  |                                 |  |                             |       |                                                                                                                                              |
| Quantity of calcium chloride used (lbs.)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                                                                                                  |  |                    |  |                     |  |                                   |  |                                  |  |                        |  |                      |  |                 |          |                         |        |                        |            |                |          |                             |  |                      |  |                     |        |                         |              |                       |   |                               |  |                               |       |                                |         |             |          |                                   |  |                                          |  |                                 |  |                             |       |                                                                                                                                              |
| Volume of grout prepared (gal.)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                                                                                  |  |                    |  |                     |  |                                   |  |                                  |  |                        |  |                      |  |                 |          |                         |        |                        |            |                |          |                             |  |                      |  |                     |        |                         |              |                       |   |                               |  |                               |       |                                |         |             |          |                                   |  |                                          |  |                                 |  |                             |       |                                                                                                                                              |
| Volume of grout used (gal.)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 3 gal                                                                                                                                            |  |                    |  |                     |  |                                   |  |                                  |  |                        |  |                      |  |                 |          |                         |        |                        |            |                |          |                             |  |                      |  |                     |        |                         |              |                       |   |                               |  |                               |       |                                |         |             |          |                                   |  |                                          |  |                                 |  |                             |       |                                                                                                                                              |
| <p><u>COMMENTS:</u></p> <p>All 5 feet of PVC riser/10 feet of screen was removed from the well. The pierced bottom plug was left in the ground.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | <p>* Sketch in all relevant decommissioning data, including: interval overdrilled, interval grouted, casing left in hole, well stickup, etc.</p> |  |                    |  |                     |  |                                   |  |                                  |  |                        |  |                      |  |                 |          |                         |        |                        |            |                |          |                             |  |                      |  |                     |        |                         |              |                       |   |                               |  |                               |       |                                |         |             |          |                                   |  |                                          |  |                                 |  |                             |       |                                                                                                                                              |

Jim Vincent, SJB Services  
Drilling Contractor

Mike Kuzia-Carmel, URS Corp.  
Department Representative

## WELL DECOMMISSIONING RECORD

|                                             |                              |
|---------------------------------------------|------------------------------|
| Site Name: Old Agway Store, Site No. 546021 | Well I.D.: MW-05             |
| Site Location: Ballston Spa, NY             | Driller: Jim Vincent         |
| Drilling Co.: SJB Services                  | Inspector: Mike Kuzia-Carmel |
|                                             | Date: 2/10/2017              |

| DECOMMISSIONING DATA<br>(Fill in all that apply)                                                                     |              | WELL SCHEMATIC*                                                                                                                                 |                |
|----------------------------------------------------------------------------------------------------------------------|--------------|-------------------------------------------------------------------------------------------------------------------------------------------------|----------------|
| <b><u>OVERDRILLING</u></b>                                                                                           |              | Depth<br>(feet)<br>0                                                                                                                            |                |
| Interval Drilled                                                                                                     |              |                                                                                                                                                 | Topsoil        |
| Drilling Method(s)                                                                                                   |              |                                                                                                                                                 |                |
| Borehole Dia. (in.)                                                                                                  |              |                                                                                                                                                 |                |
| Temporary Casing Installed? (y/n)                                                                                    |              |                                                                                                                                                 |                |
| Depth temporary casing installed                                                                                     |              | 5                                                                                                                                               |                |
| Casing type/dia. (in.)                                                                                               |              |                                                                                                                                                 | Cement grout   |
| Method of installing                                                                                                 |              |                                                                                                                                                 |                |
| <b><u>CASING PULLING</u></b>                                                                                         |              |                                                                                                                                                 |                |
| Method employed                                                                                                      | Geoprobe     | 10                                                                                                                                              |                |
| Casing retrieved (feet)                                                                                              | 15 ft.       |                                                                                                                                                 |                |
| Casing type/dia. (in)                                                                                                | PVC, 2 in.   |                                                                                                                                                 |                |
| <b><u>CASING PERFORATING</u></b>                                                                                     |              |                                                                                                                                                 |                |
| Equipment used                                                                                                       | Geoprobe     | 15                                                                                                                                              |                |
| Number of perforations/foot                                                                                          |              |                                                                                                                                                 |                |
| Size of perforations                                                                                                 |              |                                                                                                                                                 |                |
| Interval perforated                                                                                                  | bottom       |                                                                                                                                                 | Bottom pierced |
| <b><u>GROUTING</u></b>                                                                                               |              |                                                                                                                                                 |                |
| Interval grouted (FBLs)                                                                                              | 1 to 15 fbgs |                                                                                                                                                 |                |
| # of batches prepared                                                                                                | 1            |                                                                                                                                                 |                |
| <b><u>For each batch record:</u></b>                                                                                 |              |                                                                                                                                                 |                |
| Quantity of water used (gal.)                                                                                        | 2 gal        |                                                                                                                                                 |                |
| Quantity of cement used (lbs.)                                                                                       | 31 lbs.      |                                                                                                                                                 |                |
| Cement type                                                                                                          | Portland     |                                                                                                                                                 |                |
| Quantity of bentonite used (lbs.)                                                                                    |              |                                                                                                                                                 |                |
| Quantity of calcium chloride used (lbs.)                                                                             |              |                                                                                                                                                 |                |
| Volume of grout prepared (gal.)                                                                                      |              |                                                                                                                                                 |                |
| Volume of grout used (gal.)                                                                                          | 3 gal        |                                                                                                                                                 |                |
| <b>COMMENTS:</b>                                                                                                     |              |                                                                                                                                                 |                |
| All 5 feet of PVC riser/10 feet of screen was removed from the well. The pierced bottom plug was left in the ground. |              | * Sketch in all relevant decommissioning data, including:<br>interval overdrilled, interval grouted, casing left in hole,<br>well stickup, etc. |                |

**Jim Vincent, SJB Services**  
Drilling Contractor

Mike Kuzia-Carmel, URS Corp.  
Department Representative

## WELL DECOMMISSIONING RECORD

|                                             |                              |
|---------------------------------------------|------------------------------|
| Site Name: Old Agway Store, Site No. 546021 | Well I.D.: MW-06             |
| Site Location: Ballston Spa, NY             | Driller: Jim Vincent         |
| Drilling Co.: SJB Services                  | Inspector: Mike Kuzia-Carmel |
|                                             | Date: 2/10/2017              |

| DECOMMISSIONING DATA<br>(Fill in all that apply)                                                                     |              | WELL SCHEMATIC*                                                                                                                                                                                                                                                                                                                  |                                                                      |                           |
|----------------------------------------------------------------------------------------------------------------------|--------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------|---------------------------|
| <b><u>OVERDRILLING</u></b>                                                                                           |              | <div>Depth<br/>(feet)</div> <div>0</div> <div>5</div> <div>10</div> <div>15</div> <div>20</div> <div>25</div> <div>30</div> <div>35</div> <div>40</div> <div>45</div> <div>50</div> <div>55</div> <div>60</div> <div>65</div> <div>70</div> <div>75</div> <div>80</div> <div>85</div> <div>90</div> <div>95</div> <div>100</div> | <div>Topsoil</div> <div>Cement grout</div> <div>Bottom pierced</div> | <div>Ferrous Marker</div> |
| Interval Drilled                                                                                                     |              |                                                                                                                                                                                                                                                                                                                                  |                                                                      |                           |
| Drilling Method(s)                                                                                                   |              |                                                                                                                                                                                                                                                                                                                                  |                                                                      |                           |
| Borehole Dia. (in.)                                                                                                  |              |                                                                                                                                                                                                                                                                                                                                  |                                                                      |                           |
| Temporary Casing Installed? (y/n)                                                                                    |              |                                                                                                                                                                                                                                                                                                                                  |                                                                      |                           |
| Depth temporary casing installed                                                                                     |              |                                                                                                                                                                                                                                                                                                                                  |                                                                      |                           |
| Casing type/dia. (in.)                                                                                               |              |                                                                                                                                                                                                                                                                                                                                  |                                                                      |                           |
| Method of installing                                                                                                 |              |                                                                                                                                                                                                                                                                                                                                  |                                                                      |                           |
| <b><u>CASING PULLING</u></b>                                                                                         |              |                                                                                                                                                                                                                                                                                                                                  |                                                                      |                           |
| Method employed                                                                                                      | Geoprobe     |                                                                                                                                                                                                                                                                                                                                  |                                                                      |                           |
| Casing retrieved (feet)                                                                                              | 14 ft.       |                                                                                                                                                                                                                                                                                                                                  |                                                                      |                           |
| Casing type/dia. (in)                                                                                                | PVC, 2 in.   |                                                                                                                                                                                                                                                                                                                                  |                                                                      |                           |
| <b><u>CASING PERFORATING</u></b>                                                                                     |              |                                                                                                                                                                                                                                                                                                                                  |                                                                      |                           |
| Equipment used                                                                                                       | Geoprobe     |                                                                                                                                                                                                                                                                                                                                  |                                                                      |                           |
| Number of perforations/foot                                                                                          |              |                                                                                                                                                                                                                                                                                                                                  |                                                                      |                           |
| Size of perforations                                                                                                 |              |                                                                                                                                                                                                                                                                                                                                  |                                                                      |                           |
| Interval perforated                                                                                                  | bottom       |                                                                                                                                                                                                                                                                                                                                  |                                                                      |                           |
| <b><u>GROUTING</u></b>                                                                                               |              |                                                                                                                                                                                                                                                                                                                                  |                                                                      |                           |
| Interval grouted (FBLS)                                                                                              | 1 to 14 fbgs |                                                                                                                                                                                                                                                                                                                                  |                                                                      |                           |
| # of batches prepared                                                                                                | 1            |                                                                                                                                                                                                                                                                                                                                  |                                                                      |                           |
| <b><u>For each batch record:</u></b>                                                                                 |              |                                                                                                                                                                                                                                                                                                                                  |                                                                      |                           |
| Quantity of water used (gal.)                                                                                        | 2 gal        |                                                                                                                                                                                                                                                                                                                                  |                                                                      |                           |
| Quantity of cement used (lbs.)                                                                                       | 31 lbs.      |                                                                                                                                                                                                                                                                                                                                  |                                                                      |                           |
| Cement type                                                                                                          | Portland     |                                                                                                                                                                                                                                                                                                                                  |                                                                      |                           |
| Quantity of bentonite used (lbs.)                                                                                    |              |                                                                                                                                                                                                                                                                                                                                  |                                                                      |                           |
| Quantity of calcium chloride used (lbs.)                                                                             |              |                                                                                                                                                                                                                                                                                                                                  |                                                                      |                           |
| Volume of grout prepared (gal.)                                                                                      |              |                                                                                                                                                                                                                                                                                                                                  |                                                                      |                           |
| Volume of grout used (gal.)                                                                                          | 3 gal        |                                                                                                                                                                                                                                                                                                                                  |                                                                      |                           |
| <b>COMMENTS:</b>                                                                                                     |              | * Sketch in all relevant decommissioning data, including:<br>interval overdrilled, interval grouted, casing left in hole,<br>well stickup, etc.                                                                                                                                                                                  |                                                                      |                           |
| All 4 feet of PVC riser/10 feet of screen was removed from the well. The pierced bottom plug was left in the ground. |              |                                                                                                                                                                                                                                                                                                                                  |                                                                      |                           |

**Jim Vincent, SJB Services**  
Drilling Contractor

Mike Kuzia-Carmel, URS Corp.  
Department Representative



## PHOTOGRAPHIC LOG

|                                                                                                              |                         |                                                                                     |                                         |
|--------------------------------------------------------------------------------------------------------------|-------------------------|-------------------------------------------------------------------------------------|-----------------------------------------|
| <b>Client Name:</b><br>NYSDEC/Former Agway Store                                                             |                         | <b>Site Location:</b><br>Former Agway Store, Ballston Spa, NY                       | <b>Project No.</b><br>60415501/11176892 |
| <b>Photo No.</b><br>1                                                                                        | <b>Date:</b><br>2/10/17 |  |                                         |
| <b>Location:</b><br><br>Court St, facing east                                                                |                         |                                                                                     |                                         |
| <b>Description:</b><br><br>MW-04 following curb box removal and prior to well abandonment/grouting in place. |                         |                                                                                     |                                         |



## PHOTOGRAPHIC LOG

|                                                                                                              |                         |                                                                                      |                                         |
|--------------------------------------------------------------------------------------------------------------|-------------------------|--------------------------------------------------------------------------------------|-----------------------------------------|
| <b>Client Name:</b><br>NYSDEC/Former Agway Store                                                             |                         | <b>Site Location:</b><br>Former Agway Store, Ballston Spa, NY                        | <b>Project No.</b><br>60415501/11176892 |
| <b>Photo No.</b><br>2                                                                                        | <b>Date:</b><br>2/10/17 |  |                                         |
| <b>Location:</b><br><br>Court St, facing north                                                               |                         |                                                                                      |                                         |
| <b>Description:</b><br><br>MW-05 following curb box removal and prior to well abandonment/grouting in place. |                         |                                                                                      |                                         |



## PHOTOGRAPHIC LOG

|                                                                                                              |                         |                                                                                     |                                         |
|--------------------------------------------------------------------------------------------------------------|-------------------------|-------------------------------------------------------------------------------------|-----------------------------------------|
| <b>Client Name:</b><br>NYSDEC/Former Agway Store                                                             |                         | <b>Site Location:</b><br>Former Agway Store, Ballston Spa, NY                       | <b>Project No.</b><br>60415501/11176892 |
| <b>Photo No.</b><br>3                                                                                        | <b>Date:</b><br>2/10/17 |  |                                         |
| <b>Location:</b><br><br>Front St, facing north                                                               |                         |                                                                                     |                                         |
| <b>Description:</b><br><br>MW-06 following curb box removal and prior to well abandonment/grouting in place. |                         |                                                                                     |                                         |



## PHOTOGRAPHIC LOG

|                                                                                      |                         |                                                                                      |                                         |
|--------------------------------------------------------------------------------------|-------------------------|--------------------------------------------------------------------------------------|-----------------------------------------|
| <b>Client Name:</b><br>NYSDEC/Former Agway Store                                     |                         | <b>Site Location:</b><br>Former Agway Store, Ballston Spa, NY                        | <b>Project No.</b><br>60415501/11176892 |
| <b>Photo No.</b><br>4                                                                | <b>Date:</b><br>2/10/17 |  |                                         |
| <b>Location:</b><br><br>Court St, facing southeast                                   |                         |                                                                                      |                                         |
| <b>Description:</b><br><br>Rig truck positioned over MW-04 prior to decommissioning. |                         |                                                                                      |                                         |



## PHOTOGRAPHIC LOG

|                                                                                |                         |                                                                                     |                                         |
|--------------------------------------------------------------------------------|-------------------------|-------------------------------------------------------------------------------------|-----------------------------------------|
| <b>Client Name:</b><br>NYSDEC/Former Agway Store                               |                         | <b>Site Location:</b><br>Former Agway Store, Ballston Spa, NY                       | <b>Project No.</b><br>60415501/11176892 |
| <b>Photo No.</b><br>5                                                          | <b>Date:</b><br>2/10/17 |  |                                         |
| <b>Location:</b><br><br>Court St, facing south                                 |                         |                                                                                     |                                         |
| <b>Description:</b><br><br>Close-up of rig truck controls (adjacent to MW-04). |                         |                                                                                     |                                         |



## PHOTOGRAPHIC LOG

|                                                                                   |                         |                                                                                      |                                         |
|-----------------------------------------------------------------------------------|-------------------------|--------------------------------------------------------------------------------------|-----------------------------------------|
| <b>Client Name:</b><br>NYSDEC/Former Agway Store                                  |                         | <b>Site Location:</b><br>Former Agway Store, Ballston Spa, NY                        | <b>Project No.</b><br>60415501/11176892 |
| <b>Photo No.</b><br>6                                                             | <b>Date:</b><br>2/10/17 |  |                                         |
| <b>Location:</b><br><br>Court St, facing west                                     |                         |                                                                                      |                                         |
| <b>Description:</b><br><br>Grout material used by contractor for decommissioning. |                         |                                                                                      |                                         |



## PHOTOGRAPHIC LOG

|                                                               |                         |                                                                                     |                                         |
|---------------------------------------------------------------|-------------------------|-------------------------------------------------------------------------------------|-----------------------------------------|
| <b>Client Name:</b><br>NYSDEC/Former Agway Store              |                         | <b>Site Location:</b><br>Former Agway Store, Ballston Spa, NY                       | <b>Project No.</b><br>60415501/11176892 |
| <b>Photo No.</b><br>7                                         | <b>Date:</b><br>2/10/17 |  |                                         |
| <b>Location:</b><br><br>Court St, facing northwest            |                         |                                                                                     |                                         |
| <b>Description:</b><br><br>Tremie grouting in-place of MW-04. |                         |                                                                                     |                                         |



## PHOTOGRAPHIC LOG

|                                                                                                         |                         |                                                                                      |                                         |
|---------------------------------------------------------------------------------------------------------|-------------------------|--------------------------------------------------------------------------------------|-----------------------------------------|
| <b>Client Name:</b><br>NYSDEC/Former Agway Store                                                        |                         | <b>Site Location:</b><br>Former Agway Store, Ballston Spa, NY                        | <b>Project No.</b><br>60415501/11176892 |
| <b>Photo No.</b><br>8                                                                                   | <b>Date:</b><br>2/10/17 |  |                                         |
| <b>Location:</b><br><br>Front St, facing east                                                           |                         |                                                                                      |                                         |
| <b>Description:</b><br><br>MW-06 following grouting in-place, completion of decommissioning activities. |                         |                                                                                      |                                         |



## PHOTOGRAPHIC LOG

|                                                                                                         |                         |                                                                                     |                                         |
|---------------------------------------------------------------------------------------------------------|-------------------------|-------------------------------------------------------------------------------------|-----------------------------------------|
| <b>Client Name:</b><br>NYSDEC/Former Agway Store                                                        |                         | <b>Site Location:</b><br>Former Agway Store, Ballston Spa, NY                       | <b>Project No.</b><br>60415501/11176892 |
| <b>Photo No.</b><br>9                                                                                   | <b>Date:</b><br>2/10/17 |  |                                         |
| <b>Location:</b><br><br>Court St, facing north                                                          |                         |                                                                                     |                                         |
| <b>Description:</b><br><br>MW-05 following grouting in-place, completion of decommissioning activities. |                         |                                                                                     |                                         |



## PHOTOGRAPHIC LOG

|                                                                                                         |                         |                                                                                      |                                         |
|---------------------------------------------------------------------------------------------------------|-------------------------|--------------------------------------------------------------------------------------|-----------------------------------------|
| <b>Client Name:</b><br>NYSDEC/Former Agway Store                                                        |                         | <b>Site Location:</b><br>Former Agway Store, Ballston Spa, NY                        | <b>Project No.</b><br>60415501/11176892 |
| <b>Photo No.</b><br>10                                                                                  | <b>Date:</b><br>2/10/17 |  |                                         |
| <b>Location:</b><br><br>Court St, facing north                                                          |                         |                                                                                      |                                         |
| <b>Description:</b><br><br>MW-04 following grouting in-place, completion of decommissioning activities. |                         |                                                                                      |                                         |



Enclosure 1  
Engineering Controls - Standby Consultant/Contractor Certification Form



| Site Details                                                                                                                                                    |                                     | Box 1                               |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------|-------------------------------------|
| Site No.                                                                                                                                                        | 546021                              |                                     |
| Site Name Old Agway Store                                                                                                                                       |                                     |                                     |
| Site Address: Science Street                                                                                                                                    | Zip Code: 12020                     |                                     |
| City/Town: Ballston Spa                                                                                                                                         |                                     |                                     |
| County: Saratoga                                                                                                                                                |                                     |                                     |
| Site Acreage: 0.3                                                                                                                                               |                                     |                                     |
| Reporting Period: December 31, 2009 to January 16, 2018                                                                                                         |                                     |                                     |
|                                                                                                                                                                 | YES                                 | NO                                  |
| 1. Is the information above correct?                                                                                                                            | <input checked="" type="checkbox"/> | <input type="checkbox"/>            |
| If NO, include handwritten above or on a separate sheet.                                                                                                        |                                     |                                     |
| 2. To your knowledge has some or all of the site property been sold, subdivided, merged, or undergone a tax map amendment during this Reporting Period?         | <input checked="" type="checkbox"/> | <input type="checkbox"/>            |
| 3. To your knowledge has there been any change of use at the site during this Reporting Period (see 6NYCRR 375-1.11(d))?                                        | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| 4. To your knowledge have any federal, state, and/or local permits (e.g., building, discharge) been issued for or at the property during this Reporting Period? | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| If you answered YES to questions 2 thru 4, include documentation or evidence that documentation has been previously submitted with this certification form.     |                                     |                                     |
| 5. To your knowledge is the site currently undergoing development?                                                                                              | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |

|                                                                                                                                                                                 | Box 2                               |                          |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------|--------------------------|
|                                                                                                                                                                                 | YES                                 | NO                       |
| 6. Is the current site use consistent with the use(s) listed below?                                                                                                             | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 7. Are all ICs/ECs in place and functioning as designed?                                                                                                                        | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| IF THE ANSWER TO EITHER QUESTION 6 OR 7 IS NO, sign and date below and contact the DEC PM regarding the development of a Corrective Measures Work Plan to address these issues. |                                     |                          |
| Signature of Standby Consultant/Contractor                                                                                                                                      |                                     | Date                     |



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### Commercial

[Property Info](#)
[Owner/Sales](#)
[Inventory](#)
[Improvements](#)
[Tax Info](#)
[Report](#)
[Comparables](#)

### Notes

[View Notes](#)

### Municipality of V. Ballston Spa, Milton

|       |        |         |             |
|-------|--------|---------|-------------|
| SWIS: | 414201 | Tax ID: | 216.31-3-18 |
|-------|--------|---------|-------------|

### Ownership Information

| Name                          | Address                                      |
|-------------------------------|----------------------------------------------|
| Galway Street Development LLC | 215 Saratoga Ave<br>Ballston Spa NY<br>12020 |

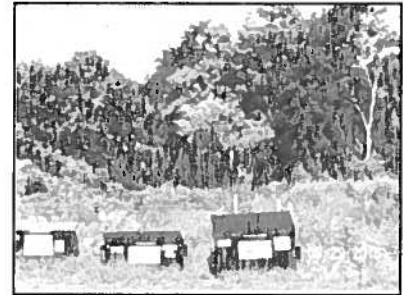
### Sale Information

| Sale Date | Price        | Property Class    | Sale Type | Prior Owner         |
|-----------|--------------|-------------------|-----------|---------------------|
| 5/19/2016 | \$30,000     | 330 - Vacant comm | Land Only | CJH Enterprises LLC |
|           | Value Usable | Arms Length       | Deed Book | Deed Page           |
|           | Yes          | Yes               | 2016      | 16381               |

### Historic Deed Information

### Photographs

(Click on photo to enlarge it.)



### Documents

No documents found for this parcel

### Maps

[View Tax Map](#)
[Pin Property on GIS Map](#)
[View in Google Maps](#)
[View in Bing Maps](#)
[Map Disclaimer](#)

SITE NO. 546021

Box 3

**Description of Institutional Controls**

Parcel

216.31-3-18

Owner

Spencer Tacy

Institutional Control

Ground Water Use Restriction  
Soil Management Plan  
Landuse Restriction  
Monitoring Plan  
Site Management Plan  
O&M Plan  
IC/EC Plan

5-19-2016

owner listed as:

GALWAY STREET DEVELOPMENT LLC

Easement filed 02/4/2016: (1) The Controlled Property may be used for:

Restricted Residential as described in 6 NYCRR Part 375-1.8(g)(2)(ii),  
Commercial as described in 6 NYCRR Part 375-1.8(g)(2)(iii) and Industrial  
as described in 6 NYCRR Part 375-1.8(g)(2)(iv)

(2) The Controlled Property must be operated and maintained in a manner not  
inconsistent with the Site Management Plan (SMP);

(3) Grantor must notify the Department in the event any Controlled Property  
condition is observed that suggests or indicates that there is a failure of any element of the SMP;

(4) The use of groundwater underlying the property is prohibited without  
necessary water quality treatment as determined by the NYSDOH or the Saratoga County  
Department of Health to render it safe for use as drinking water or for industrial purposes, and  
the user must first notify and obtain written approval to do so from the Department;

(5) Groundwater and other environmental or public health monitoring must be  
performed as defined in the SMP and will be performed by the Department;

(6) Data and information pertinent to Site Management of the Controlled  
Property must be reported at the frequency and in a manner defined in the SMP and will be  
developed by the Department;

(7) All future activities on the property that will disturb remaining  
contaminated material must be conducted in accordance with the SMP;

(8) Monitoring to assess the performance and effectiveness of the remedy must  
be performed as defined in the SMP and will be performed by the Department;

(9) Operation, maintenance, monitoring, inspection, and reporting of any  
mechanical or physical components of the remedy shall be performed as defined in the SMP and  
will be performed by the Department;

(10) Access to the site must be provided to agents, employees or other  
representatives of the State of New York with reasonable prior notice to the property owner to  
assure compliance with the restrictions identified by this Environmental Easement.

Box 4

**Description of Engineering Controls**

None Required

LEACHATE COLLECTION SYSTEM LISTED AS EC IN SITE  
MANAGEMENT PLAN

Not Applicable/No EC's

**Periodic Review Report (PRR) Certification Statements**

1. I certify by checking "YES" below that:

a) the Periodic Review report and all attachments were prepared under the direction of, and reviewed by, the party making the certification, including data and material prepared by previous contractors for the current certifying period, if any;

b) to the best of my knowledge and belief, the work and conclusions described in this certification are in accordance with the requirements of the site remedial program, and generally accepted engineering practices; and the information presented is accurate and complete.

YES NO



2. If this site has an IC/EC Plan (or equivalent as required in the Decision Document), for each Institutional or Engineering control listed in Boxes 3 and/or 4, I certify by checking "YES" below that all of the following statements are true:

(a) the Institutional Control and/or Engineering Control(s) employed at this site is unchanged since the date that the Control was put in-place, or was last approved by the Department;

(b) nothing has occurred that would impair the ability of such Control, to protect public health and the environment;

(c) nothing has occurred that would constitute a failure to comply with the Site Management Plan, or equivalent if no Site Management Plan exists.

YES NO



**IF THE ANSWER TO QUESTION 2 IS NO, sign and date below and contact the DEC PM regarding the development of a Corrective Measures Work Plan to address these issues.**

\_\_\_\_\_  
Signature of Standby Consultant/Contractor

\_\_\_\_\_  
Date

## IC/EC CERTIFICATIONS

## Signature

I certify that all information in Boxes 2 through 5 are true. I understand that a false statement made herein is punishable as a Class "A" misdemeanor, pursuant to Section 210.45 of the Penal Law.

I Kevin Connare at URS Corporation - New York  
print name  
257 West Genesee St. Suite 400  
Buffalo NY 14202  
(print business address)

am certifying as a . QEP

Signature of



Stamp  
(Required for PE)

Date 12/26/18