LOCKHEED MARTIN

Lockheed Martin Mission Systems & Training 497 Electronics Parkway Liverpool, NY 13088

April 10, 2014

Mr. Richard Mustico Project Manager New York State Department of Environmental Conservation 625 Broadway Albany, New York 12233-7010

Re: Sunflower Drive Water Main Replacement Soil Sampling Plan Bloody Brook, Onondaga County, New York Voluntary Cleanup Agreement Index #D7-0001-01-09 (VCP Site No. V00501-7)

Dear Mr. Mustico:

As previously discussed, we are proposing to collect additional soil samples from locations within the Bloody Brook site to determine if soil near the Sunflower Drive culvert that conveys the West Branch of Bloody Brook (WBBB) beneath the road has cadmium concentrations greater than 10 ppm. The additional soil samples are being proposed to define the proper management of the soils that will be disturbed to allow for Onondaga County Water Authority (OCWA) to install a water main under the culvert. The proposed soil sample locations and depths were determined based on the existing analytical results adjacent to the culvert and the scope of work outlined by OCWA to install the water main. The existing soil sample analytical data is summarized in Table 1 and the existing soil sample locations are shown on Figure 1, which are enclosed with this letter.

The additional proposed samples will be collected and analyzed as summarized in Table 2 and on Figure 1, which are enclosed with this letter. The location, number, and depth of soil samples are subject to change based on observations and physical conditions encountered during the sampling activities. The proposed sampling activities are to be completed within the Sunflower Drive roadway. Town of Salina will be consulted regarding proper traffic control during sample collection.

The samples will be located along the width of Sunflower Drive using markings OCWA placed on the road to indicate where the water main will be installed beneath the road. The locations of the samples along the length of Sunflower Drive on either side of the WBBB culvert were determined based on maintaining a safe distance from the culvert structure and utilities near the culvert and the existing analytical results adjacent to the culvert. Based on a review of the available information and data the samples will be located along the length of the road as summarized below.

Proposed location DI-82-01 will be collected up to 10 feet from the centerline of the sanitary sewer line located near and running parallel to the Sunflower Drive culvert. Proposed locations DI-82-01 through DI-82-06 will be located 10 feet apart as shown on Figure 1. Proposed location DI-83-01 will

be collected up to 10 feet from the edge of the Sunflower Drive culvert. Proposed sample locations DI-83-01 through DI-83-03 will be located 10 feet apart as shown on Figure 1.

At the proposed locations, a sample will be collected from each 1-foot depth interval starting from below the road pavement and sub base to the bottom of the boring. Previous soil sampling at the site indicated the presence of a clay unit located beneath the elevation of the bottom of the WBBB. Laboratory analytical results indicate that cadmium concentrations in samples from this clay unit generally decrease. Borings will be advanced to a depth of approximately 1 foot into the clay layer or to 12 feet below ground surface, whichever of these is encountered first during advancement of the boring.

Following sample collection, select samples will be sent to the laboratory and analyzed, and other samples will be sent to the laboratory to be held for possible future analysis depending on the results of other samples. The analysis approach for each proposed sample is summarized on Table 2. Analysis of samples will be for cadmium using United States Environmental Protection Agency (USEPA) SW-846 Method 6010B.

The soil samples will be collected in accordance with the December 2012 Additional Design Soil Investigation Work Plan (Work Plan). The Work Plan indicates that all soil samples will be collected using hand augers. The samples proposed in this letter will be collected using a direct push drill rig. The direct push drill rig will be used to drive the sampling tools into the formation to facilitate the soil sample collection. The soil samples will be collected in disposable two-foot acetate sleeves. These sleeves will be removed from the sampling equipment and cut open to expose the soil sample. The sample will then be split into 1-foot intervals and thoroughly mixed prior to placement in laboratory supplied sample containers. The samples will be collected and handled using new, disposable nitrile gloves. All down-hole equipment will be decontaminated, and each of the borings will be abandoned with the excess soil. The road asphalt will be patched to cover the bore hole.

The proposed soil samples described above will be collected shortly after receiving NYSDEC approval the proposed soil sampling activities. OCWA is planning on installing the water main in late spring or early summer 2014.

After you have reviewed this proposal for collection of additional soil samples at the Bloody Brook site, please let me know if you have any questions and if you approve of the additional soil sample collection and analysis.

If you have any questions or want to discuss the proposed soil sampling activities summarized in this letter, Please contact me at (315) 456-1993.

Sincerely.

Jill Fonte

**Environmental Engineer** 

Jul Fente

Enclosure

### Enclosure

cc (with enclosure):

Myron Parkolap – Lockheed Martin, Syracuse Sandra Fenske, Esq. - Lockheed Martin, Syracuse Robert Nunes - USEPA, Region II, New York Harry Warner, P.E. - NYSDEC, Region 7, Syracuse

Virginia Robbins, Esq. - Bond, Schoeneck & King, Syracuse

Mark Sergott - NYSDOH, Albany

Lisa Letteney - Onondaga County Department of Health Luis Mendez, Esq. - Onondaga County Department of Law David Coburn - Onondaga County Office of the Environment Stephen Drake, E.I. - Onondaga County Water Authority

Mark Nicotra – Town of Salina Supervisor Laura Cassalia - Town of Salina Engineer

Joseph Heath, Esq. Thane Joyal, Esq.

Jeanne Shenandoah - Onondaga Nation

Alma Lowry

Nickcole Evans, P.E. - AECOM

cc (w/out enclosure): Argie Cirillo, Esq. - USEPA, Region II, New York Margaret Sheen, Esq. - NYSDEC, Syracuse

Maureen Schuck - NYSDOH, Albany

Curtis Waterman - HETF

### Summary of Soil Classification and Analytical Data Adjacent to Sunflower Drive Culvert<sup>1</sup> West Branch of Bloody Brook (WBBB) Bloody Brook Voluntary Cleanup Program Onondaga County, New York

| Boring ID | Sampling<br>Interval | Analyte            | Surface<br>Elevation<br>(ft) | Brook<br>Elevation<br>(ft) | Sample<br>Elevation at<br>Bottom of<br>Interval (ft) | Sample<br>Relation to<br>Brook<br>Level | General Soil Classification <sup>2</sup>    | Collection<br>Date     | Result (mg/kg)   |
|-----------|----------------------|--------------------|------------------------------|----------------------------|--|---|---|------------------------|------------------|
|           | 0' - 1'              | Cadmium            |                              |                            |  |   | Silt & sand/gravel & organics               | 8/14/2009              | 28.8 J           |
| DI-07-01  | 1' - 2'              | Cadmium            |                              |                            |  |   | Silty clay/gravel                           | 8/14/2009              | 32.2 J [36.1 J]  |
| DI-07-01  | 2' - 3'              | Cadmium            |                              |                            |  |   | Silt & sand                                 | 8/14/2009              | 20.7 J           |
|           | 3' - 4'              | Cadmium            |                              |                            |  |   | Silt & clay                                 | 8/14/2009              | 1.16 J           |
|           | 0' - 1'              | Cadmium            |                              |                            |  |   | Silty clay/gravel & organics                | 8/14/2009              | 32.4 J           |
|           | 1' - 2'              | Cadmium            |                              |                            |  |   | Silt & clay/gravel                          | 8/14/2009              | 5.98 J           |
| DI-07-02  | 2' - 3'              | Cadmium            |                              |                            |  |   | Silt & clay/gravel                          | 8/14/2009              | 10.8 J           |
| 2.0.02    | 3' - 4'              | Cadmium            |                              |                            |  |   | Silt & sand/clay                            | 8/14/2009              | 12.1 J           |
|           | 4' - 5'              | Cadmium            |                              |                            |  |   | Silt & sand/clay                            | 8/14/2009              | 6.11 J           |
|           | 5' - 6'              | Cadmium            |                              |                            |  |   | Silt & sand/clay                            | 8/14/2009              | 5.25 J           |
|           | 0' - 1'              | Cadmium            | ļ                            |                            |  |   | Silt & clay/gravel & organics               | 8/14/2009              | 0.422            |
|           | 1' - 2'              | Cadmium            | <u> </u>                     |                            |  |   | Silt & clay                                 | 8/14/2009              | 0.535            |
|           | 2' - 3'              | Cadmium            | <u> </u>                     |                            |  |   | Silt & clay                                 | 8/14/2009              | 7.38             |
|           | 3' - 4'              | Cadmium            | ļ<br>t                       |                            |  |   | Silty clay                                  | 8/14/2009              | 3.39             |
| DI 07.00  | 4' - 5'              | Cadmium            | ļ                            |                            |  |   | Silt & sand/clay & gravel                   | 8/14/2009              | 5.06             |
| DI-07-03  | 5' - 6'              | Cadmium            |                              |                            |  |   | Silt & clay                                 | 8/14/2009              | 73               |
|           | 6' - 7'              | Cadmium            | ļ                            |                            |  |   | Silty clay/sand                             | 8/14/2009              | <0.267           |
|           | 7' -8'               | Cadmium            | l<br>T                       |                            |  |   | Silt & sand                                 | 8/14/2009              | <0.261           |
|           | 8' - 9'              | Cadmium            | l<br>T                       |                            |  |   | Silty clay/sand                             | 8/14/2009              | 0.277 J          |
|           | 9' -10'              | Cadmium            | l<br>T                       |                            |  |   | Silty clay to sand                          | 8/14/2009              | 1.49             |
|           | 10' - 11'            | Cadmium            |                              |                            |  |   | Sand/clay to silty clay                     | 8/14/2009              | <0.243           |
|           | 0' - 1'<br>1' - 2'   | Cadmium<br>Cadmium |                              | 367.59                     | 375.77   | Above                                   | Clayey silt, sand                           | 4/26/2011<br>4/26/2011 | 0.25<br>0.24     |
|           | 2' - 3'              |                    |                              | 367.59<br>367.59           | 374.77<br>373.77                                     | Above<br>Above                          | Sand, silty clay                            |                        | 0.24             |
| DI-08-01  | 3' - 4'              | Cadmium<br>Cadmium | 376.77                       | 367.59                     | 372.77   | Above                                   | Silty clay Silty clay                       | 4/26/2011<br>4/26/2011 | 0.38<br>0.10 J   |
|           | 4' - 5'              | Cadmium            |                              | 367.59                     | 371.77   | Above                                   | Clayey silt, silty clay                     | 4/26/2011              | 5.6              |
|           | 5' - 6'              | Cadmium            |                              | 367.59                     | 371.77   | Above                                   | Silty clay, clayey silt                     | 4/26/2011              | 1.0              |
|           | 0 - 1'               | Cadmium            |                              |                            | 370.77   |   | Sand & Silt, trace organics & gravel        | 9/21/2009              | 0.601            |
|           | 1 - 2'               | Cadmium            |                              |                            |  |   | Sand & silt, trace organics & gravel        | 9/21/2009              | 0.270            |
|           | 2 - 3'               | Cadmium            |                              |                            |  |   | Sand & silt, trace organics & gravel        | 9/21/2009              | 5.74             |
| DI-09-01  | 3 - 4'               | Cadmium            |                              |                            |  |   | Silt & sand, trace gravel                   | 9/21/2009              | 0.246            |
|           | 4 - 5'               | Cadmium            |                              |                            |  |   | Sand & silt                                 | 9/21/2009              | 0.254            |
|           | 5 - 6'               | Cadmium            |                              |                            |  |   | Silt & sand, trace gravel                   | 9/21/2009              | 4.21             |
|           | 6 - 7'               | Cadmium            |                              |                            |  |   | Silt  | 9/21/2009              | 9.12             |
|           | 0 - 1'               | Cadmium            |                              |                            |  |   | Sand & silt, organics                       | 9/21/2009              | 3.45             |
|           | 1 - 2'               | Cadmium            |                              |                            |  |   | Sand & silt, organics                       | 9/21/2009              | 10.7             |
|           | 2 - 3'               | Cadmium            |                              |                            |  |   | Sand & silt, organics & trace clay          | 9/21/2009              | 0.982            |
| DI-09-02  | 3 - 4'               | Cadmium            |                              |                            |  |   | Silt & sand, trace organics                 | 9/21/2009              | 0.77             |
|           | 4 - 5'               | Cadmium            |                              |                            |  |   | Silt & sand, trace organics                 | 9/21/2009              | 9.40             |
|           | 5 - 6'               | Cadmium            |                              |                            |  |   | Silty clay & fine sand                      | 9/21/2009              | 5.76             |
|           | 6 - 7'               | Cadmium            |                              |                            |  |   | Fine sand & silt                            | 9/21/2009              | 3.55             |
| DI-09-03  | 0' - 1'              | Cadmium            | 375.67                       | 367.69                     | 374.67   | Above                                   | Silt, silty sand, trace gravel              | 4/25/2011              | 0.98             |
|           | 1' - 2'              | Cadmium            |                              | 367.69                     | 373.67   | Above                                   | Silty sand, silt, clay, trace gravel        | 4/25/2011              | 6.6              |
| DI-09-04  | 0' - 1'              | Cadmium            | 376.02                       | 367.29                     | 375.02   | Above                                   | Silty clay, clay                            | 4/25/2011              | 0.72             |
|           | 1' - 2'              | Cadmium            |                              | 367.29                     | 374.02   | Above                                   | Silty clay                                  | 4/25/2011              | 0.72             |
|           | 0 - 1'               | Cadmium            |                              |                            |  |   | Silt, organics and gravel                   | 9/21/2009              | 0.276 [0.215 J]  |
|           | 1 - 2'               | Cadmium            |                              |                            |  |   | Sand & silt, gravel                         | 9/21/2009              | 1.72             |
| DI-32A-01 | 2 - 3'               | Cadmium            |                              |                            |  |   | Sand & silt, gravel                         | 9/21/2009              | 4.71             |
|           | 3 - 4'               | Cadmium            |                              |                            |  |   | Sand & silt, gravel                         | 9/21/2009              | 0.591            |
|           | 4 - 5'               | Cadmium            | }                            |                            |  |   | Sand & silt, gravel                         | 9/21/2009              | 78.6             |
|           | 5 - 6'               | Cadmium            | <u> </u>                     |                            |  |   | Sand & silt, gravel                         | 9/21/2009              | 6.53             |
|           | 0 - 1'               | Cadmium            | }                            |                            |  |   | Sand & silt, organics                       | 9/21/2009              | 0.444            |
| DI-32C-01 | 1 - 2'               | Cadmium            |                              |                            |  |   | Sand & silt, gravel                         |                        | 1.19             |
| DI-320-01 | 2 - 3'<br>9 - 10'    | Cadmium            |                              |                            |  |   | Sand & silt, gravel                         | 9/21/2009              | 0.238 [0.180 J]  |
|           | 10 - 11'             | Cadmium<br>Cadmium | }                            |                            |  |   | Silty clay Silty clay                       | 9/21/2009              | <0.255<br><0.235 |
|           | 0 - 1'               |                    |                              |                            |  |   | Sand & silt, organics                       |                        |                  |
| DI-32C-02 | 1 - 2'               | Cadmium<br>Cadmium |                              |                            |  |   | Sand & silt, organics Sand & silt, organics | 9/21/2009              | 0.460<br>1.32    |
| DI-320-02 | 2 - 3'               | Cadmium            |                              |                            |  |   | Silt & sand, trace clay                     | 9/21/2009              | 0.164 J          |
|           | 2-3                  | Caurilluiii        | l                            |                            |  |   | Ont a sand, trace day                       | 3/21/2009              | U. 104 J         |

### Summary of Soil Classification and Analytical Data Adjacent to Sunflower Drive Culvert<sup>1</sup> West Branch of Bloody Brook (WBBB) Bloody Brook Voluntary Cleanup Program Onondaga County, New York

| Boring ID   | Sampling<br>Interval | Analyte            | Surface<br>Elevation<br>(ft) | Brook<br>Elevation<br>(ft) | Sample<br>Elevation at<br>Bottom of<br>Interval (ft) | Sample<br>Relation to<br>Brook<br>Level | General Soil Classification <sup>2</sup>   | Collection<br>Date     | Result (mg/kg) |
|-------------|----------------------|--------------------|------------------------------|----------------------------|--|---|--|------------------------|----------------|
|             | 0' - 1'              | Cadmium            |                              | 369.27                     | 374.04   | Above                                   | Clay, silty clay   | 4/25/2011              | 3.6            |
|             | 1' - 2'<br>2' - 3'   | Cadmium            |                              | 369.27                     | 373.04   | Above                                   | Clay, silty clay, fine sand  | 4/25/2011              | 0.33           |
|             | 3' - 4'              | Cadmium<br>Cadmium |                              | 369.27<br>369.27           | 372.04<br>371.04                                     | Above<br>Above                          | Clay, silty clay, silt, trace fine sand Clay, silty clay, organics               | 4/25/2011<br>4/25/2011 | 0.62<br>530    |
| DI-45-01    | 4' - 5'              | Cadmium            | 375.04                       | 369.27                     | 370.04   | Above                                   | Clay, silty clay, occasional roots   | 4/25/2011              | 4.5            |
|             | 5' - 6'              | Cadmium            |                              | 369.27                     | 369.04   | At                                      | Clay, clayey silt, silt, sandy silt  | 4/25/2011              | 2.8            |
|             | 6' - 7'              | Cadmium            |                              | 369.27                     | 368.04   | Below                                   | Clayey silt, clay, sandy silt  | 4/25/2011              | 9.5            |
|             | 7' - 8'              | Cadmium            |                              | 369.27                     | 367.04   | Below                                   | Clay   | 4/25/2011              | 0.58           |
|             | 0' - 1'              | Cadmium            | ,                            | 369.27                     | 374.66   | Above                                   | Clay   | 4/25/2011              | 4.1            |
| DI-45-02    | 1' - 2'<br>2' - 3'   | Cadmium<br>Cadmium | 375.66                       | 369.27<br>369.27           | 373.66<br>372.66                                     | Above<br>Above                          | Clay, silty clay Clay, silty clay  | 4/25/2011<br>4/25/2011 | 1.9<br>2.5     |
|             | 3' - 4'              | Cadmium            |                              | 369.27                     | 371.66   | Above                                   | Clay, silty clay   | 4/25/2011              | 2.6            |
| DI 45 00    | 0' - 1'              | Cadmium            | 070.04                       | 369.27                     | 375.01   | Above                                   | Clay, silty clay   | 4/25/2011              | 0.50           |
| DI-45-03    | 1' - 2'              | Cadmium            | 376.01                       | 369.27                     | 374.01   | Above                                   | Clay, silty clay   | 4/25/2011              | 0.21 J         |
| DI-46-01    | 0' - 1'              | Cadmium            | 377.47                       | 367.00                     | 376.47   | Above                                   | Clayey silt, silty clay, trace gravel  | 4/27/2011              | 3.6            |
|             | 1' - 2'              | Cadmium            | ******                       | 367.00                     | 375.47   | Above                                   | Silty clay, clayey silt, gravel  | 4/27/2011              | 0.83           |
| DI-46-02    | 0' - 1'<br>1' - 2'   | Cadmium<br>Cadmium | 377.39                       | 367.00<br>367.00           | 376.39<br>375.39                                     | Above<br>Above                          | Clayey silt, silty clay, fine to coarse gravel Fine to coarse gravel, silty clay | 4/27/2011<br>4/27/2011 | 0.79<br>0.70   |
|             | 0' - 1'              | Cadmium            |                              | 368.32                     | 376.51   | Above                                   | Silty sand, trace clay   | 4/27/2011              | 0.70           |
|             | 1' - 2'              | Cadmium            |                              | 368.32                     | 375.51   | Above                                   | Sandy silt   | 4/25/2011              | 0.24 [0.23]    |
|             | 2' - 3'              | Cadmium            |                              | 368.32                     | 374.51   | Above                                   | Silty sand   | 4/25/2011              | <0.26 U        |
| DI-SB-05-05 | 3' - 4'              | Cadmium            | 377.51                       | 368.32                     | 373.51   | Above                                   | Fine sand with some gravel, trace silt   | 4/25/2011              | 0.52 B         |
| DI-3B-03-03 | 4' - 5'              | Cadmium            | 377.31                       | 368.32                     | 372.51   | Above                                   | Grades to Sandy silt with little gravel  | 4/25/2011              | 0.33 B         |
|             | 5' - 6'              | Cadmium            |                              | 368.32                     | 371.51   | Above                                   | Sandy silt, trace gravel, trace clay   | 4/25/2011              | 0.54 B         |
|             | 6' - 7'              | Cadmium            |                              | 368.32                     | 370.51   | Above                                   | Sandy silt, trace gravel, trace clay   | 4/25/2011              | 0.88 B         |
|             | 7' - 8'<br>0" - 2"   | Cadmium            |                              | 368.32                     | 369.51<br>376.76                                     | Above                                   | Clay, trace gravel at 7'   | 4/25/2011              | 1.0 B          |
|             | 0'-2                 | Cadmium<br>Cadmium |                              | 368.32<br>368.32           | 375.93   | Above<br>Above                          | Topsoil<br>Silty Sand  | 10/22/2003             | 1.4<br>1.4     |
|             | 1' - 2'              | Cadmium            |                              | 368.32                     | 374.93   | Above                                   | Silty Sand   | 10/22/2003             | <0.58          |
|             | 2' - 3'              | Cadmium            | 376.93                       | 368.32                     | 373.93   | Above                                   | Silty Sand   | 10/22/2003             | 1.4            |
|             | 3' - 4'              | Cadmium            |                              | 368.32                     | 372.93   | Above                                   | Silty Sand   | 10/22/2003             | <0.60          |
| SA-SB-05-02 | 4' - 5'              | Cadmium            |                              | 368.32                     | 371.93   | Above                                   | Clayey Silt  | 10/22/2003             | <0.60          |
| 3A-3B-03-02 | 5' - 6'              | Cadmium            |                              | 368.32                     | 370.93   | Above                                   | Clayey Silt  | 10/22/2003             | 12.5           |
|             | 6' - 7'              | Cadmium            |                              | 368.32                     | 369.93   | Above                                   | Sandy Silt   | 10/22/2003             | <0.58          |
|             | 7' - 8'              | Cadmium            |                              | 368.32                     | 368.93   | Above                                   | Sandy Silt to Organic Clayey Silt  | 10/22/2003             | <0.59          |
|             | 8' - 9'<br>9' - 10'  | Cadmium<br>Cadmium |                              | 368.32<br>368.32           | 367.93<br>366.93                                     | At<br>Below                             | Organic Clayey Silt Organic Clayey Silt  | 10/22/2003             | 5.1<br>5.9     |
|             | 10' - 11'            | Cadmium            |                              | 368.32                     | 365.93   | Below                                   | Organic Clayey Silt  | 10/22/2003             | 8.1            |
|             | 0" - 2"              | Cadmium            |                              | 368.31                     | 376.45   | Above                                   | Topsoil  | 10/22/2003             | 1.51           |
|             | 0' - 1'              | Cadmium            |                              | 368.31                     | 375.62   | Above                                   | Silty Sand   | 10/22/2003             | <0.607         |
|             | 1' - 2'              | Cadmium            |                              | 368.31                     | 374.62   | Above                                   | Silty Sand   | 10/22/2003             | <0.588         |
|             | 2' - 3'              | Cadmium            |                              | 368.31                     | 373.62   | Above                                   | Silty Sand   | 10/22/2003             | <0.581         |
|             | 3' - 4'              | Cadmium            |                              | 368.31                     | 372.62   | Above                                   | Silty Sand   | 10/22/2003             | <0.579         |
| SA-SB-05-03 | 4' - 5'              | Cadmium            | 376.62                       | 368.31                     | 371.62   | Above                                   | Clayey Silt  | 10/22/2003             | <0.607         |
|             | 5' - 6'<br>6' - 7'   | Cadmium            |                              | 368.31                     | 370.62   | Above                                   | Organic Clayey Silt  | 10/22/2003             | 2.5            |
|             | 6' - 7'<br>7' - 8'   | Cadmium<br>Cadmium |                              | 368.31<br>368.31           | 369.62<br>368.62                                     | Above<br>At                             | Organic Clayey Silt Organic Clayey Silt  | 10/22/2003             | 0.587<br>20.5  |
|             | 8' - 9'              | Cadmium            |                              | 368.31                     | 367.62   | Below                                   | Clayey Silt  | 10/22/2003             | 21.8           |
|             | 9' - 10'             | Cadmium            | •                            | 368.31                     | 366.62   | Below                                   | Clayey Silt  | 10/22/2003             | <0.661         |
|             | 0" - 2"              | Cadmium            |                              | 368.27                     | 375.81   | Above                                   | Topsoil  | 10/22/2003             | 4.3            |
|             | 0' - 1'              | Cadmium            |                              | 368.27                     | 374.98   | Above                                   | Silty Sand   | 10/22/2003             | 3.6            |
|             | 1' - 2'              | Cadmium            |                              | 368.27                     | 373.98   | Above                                   | Silty Sand   | 10/22/2003             | 27.9           |
|             | 2' - 3'              | Cadmium            |                              | 368.27                     | 372.98   | Above                                   | Silty Sand   | 10/22/2003             | <0.57          |
|             | 3' - 4'              | Cadmium            | ļ                            | 368.27                     | 371.98   | Above                                   | Organic clayey Silt  | 10/22/2003             | 11.8           |
|             | 4' - 5'<br>5' - 6'   | Cadmium<br>Cadmium |                              | 368.27<br>368.27           | 370.98<br>369.98                                     | Above<br>Above                          | Organic Silty Clay Organic Silty Clay  | 10/22/2003             | 7.5<br>2.4     |
| SA-SB-05-04 | 6' - 7'              | Cadmium            | 375.98                       | 368.27                     | 368.98   | Above                                   | Organic Silty Clay   | 10/22/2003             | 12.0           |
| 223 00 04   | 7' - 8'              | Cadmium            | 2.3.00                       | 368.27                     | 367.98   | At                                      | Organic Clayey Silt  | 10/22/2003             | 11.3           |
|             | 8' - 9'              | Cadmium            | <del> </del>                 | 368.27                     | 366.98   | Below                                   | Organic Clayey Silt  | 10/22/2003             | 20.9           |
|             | 9' - 10'             | Cadmium            |                              | 368.27                     | 365.98   | Below                                   | Organic Sand/Silt  | 10/22/2003             | <0.72          |
|             | 10' - 11'            | Cadmium            |                              | 368.27                     | 364.98   | Below                                   | Organic Sand/Silt  | 10/22/2003             | <0.85          |
|             | 11' - 12'            | Cadmium            |                              | 368.27                     | 363.98   | Below                                   | Silty Sand   | 10/22/2003             | <0.63          |
|             | 12' - 13'            | Cadmium            |                              | 368.27                     | 362.98   | Below                                   | Organic Silt/Sand  | 10/22/2003             | <0.68          |
|             | 13' - 14'            | Cadmium            |                              | 368.27                     | 361.98   | Below                                   | Organic Silt/Sand  | 10/22/2003             | <0.68          |

### Summary of Soil Classification and Analytical Data Adjacent to Sunflower Drive Culvert<sup>1</sup> West Branch of Bloody Brook (WBBB) Bloody Brook Voluntary Cleanup Program Onondaga County, New York

| Boring ID         | Sampling<br>Interval | Analyte            | Surface<br>Elevation<br>(ft) | Brook<br>Elevation<br>(ft) | Sample<br>Elevation at<br>Bottom of<br>Interval (ft) | Sample<br>Relation to<br>Brook<br>Level | General Soil Classification <sup>2</sup> | Collection<br>Date | Result (mg/kg)   |
|-------------------|----------------------|--------------------|------------------------------|----------------------------|--|---|--|--------------------|------------------|
|                   | 0" - 2"              | Cadmium            |                              | 368.96                     | 374.86   | Above                                   | Topsoil                                  | 10/22/2003         | 3.3              |
|                   | 0' - 1'              | Cadmium            | <u> </u>                     | 368.96                     | 374.03   | Above                                   | Silty Sand                               | 10/22/2003         | 3.9              |
|                   | 1' - 2'              | Cadmium            |                              | 368.96                     | 373.03   | Above                                   | Silty Sand                               | 10/22/2003         | <0.59            |
|                   | 2' - 3'              | Cadmium            | <u> </u>                     | 368.96                     | 372.03   | Above                                   | Silty Sand                               | 10/22/2003         | <0.56            |
| 0.4.00.040.04     | 3' - 4'              | Cadmium            | 075.00                       | 368.96                     | 371.03   | Above                                   | Clayey Silt                              | 10/22/2003         | 0.65             |
| SA-SB-216-01      | 4' - 5'              | Cadmium            | 375.03                       | 368.96                     | 370.03   | Above                                   | Clayey Silt                              | 10/22/2003         | 24.9             |
|                   | 5' - 6'<br>6' - 7'   | Cadmium            | l<br>I                       | 368.96<br>368.96           | 369.03   | At<br>Below                             | Clayey Silt                              | 10/22/2003         | 0.77<br>4.7      |
|                   | 7' - 8'              | Cadmium<br>Cadmium | <u> </u>                     | 368.96                     | 368.03<br>367.03                                     | Below                                   | Clayey Silt Clayey Silt                  |                    | <0.65            |
|                   | 8' - 9'              | Cadmium            |                              | 368.96                     | 366.03   | Below                                   | Clayey Silt                              | 10/22/2003         | 20.6             |
|                   | 9' - 10'             | Cadmium            |                              | 368.96                     | 365.03   | Below                                   | Organic Clayey Silt                      | 10/22/2003         | <0.654           |
|                   | 0" - 2"              | Cadmium            |                              | 368.88                     | 375.91   | Above                                   | Topsoil                                  | 10/22/2003         | 1.26             |
|                   | 0' - 1'              | Cadmium            |                              | 368.88                     | 375.08   | Above                                   | Silty Sand                               | 10/22/2003         | 0.659            |
|                   | 1' - 2'              | Cadmium            |                              | 368.88                     | 374.08   | Above                                   | Silty Sand                               | 10/22/2003         | <0.588           |
|                   | 2' - 3'              | Cadmium            |                              | 368.88                     | 373.08   | Above                                   | Silty Sand                               | 10/22/2003         | <0.617           |
|                   | 3' - 4'              | Cadmium            | İ                            | 368.88                     | 372.08   | Above                                   | Silty Sand                               | 10/22/2003         | <0.602           |
|                   | 4' - 5'              | Cadmium            |                              | 368.88                     | 371.08   | Above                                   | Silty Sand                               | 10/22/2003         | 5.38             |
|                   | 5' - 6'              | Cadmium            |                              | 368.88                     | 370.08   | Above                                   | Organic Clayey Silt                      | 10/22/2003         | 14.5             |
| SA-SB-216-02      | 6' - 7'              | Cadmium            | 376.08                       | 368.88                     | 369.08   | At                                      | Organic Clayey Silt                      | 10/22/2003         | 1.57 [0.823]     |
|                   | 7' - 8'              | Cadmium            |                              | 368.88                     | 368.08   | Below                                   | Silty Clay                               | 10/22/2003         | <0.68            |
|                   | 8' - 9'              | Cadmium            |                              | 368.88                     | 367.08   | Below                                   | Silty Clay                               | 10/22/2003         | 0.903            |
|                   | 9' - 10'             | Cadmium            |                              | 368.88                     | 366.08   | Below                                   | Organic Clayey Silt                      | 10/22/2003         | <0.756           |
|                   | 10' - 11'            | Cadmium            | ļ                            | 368.88                     | 365.08   | Below                                   | Organic Clayey Silt                      | 10/22/2003         | <0.719           |
|                   | 11' - 12'            | Cadmium            | ļ                            | 368.88                     | 364.08   | Below                                   | Silty Clay                               | 10/22/2003         | <0.62            |
|                   | 12' - 13'            | Cadmium            | ļ                            | 368.88                     | 363.08   | Below                                   | Silty Sand                               | 10/22/2003         | <0.616           |
|                   | 13' - 14'            | Cadmium            |                              | 368.88                     | 362.08   | Below                                   | Silty Sand                               | 10/22/2003         | <0.60            |
|                   | 0" - 2"              | Cadmium            | <u> </u>                     | 368.90                     | 375.95   | Above                                   | Topsoil                                  | 10/22/2003         | <0.652           |
|                   | 0' - 1'              | Cadmium            | <u> </u>                     | 368.90                     | 375.12   | Above                                   | Silty Sand                               | 10/22/2003         | <0.60            |
|                   | 1' - 2'              | Cadmium            | <u> </u>                     | 368.90                     | 374.12   | Above                                   | Silty Sand                               | 10/22/2003         | <0.598           |
|                   | 2' - 3'<br>3' - 4'   | Cadmium            | 376.12                       | 368.90<br>368.90           | 373.12<br>372.12                                     | Above                                   | Silty Sand                               | 10/22/2003         | <0.617<br><0.624 |
| SA-SB-216-03      | 3 - 4<br>4' - 5'     | Cadmium<br>Cadmium |                              | 368.90                     | 371.12   | Above<br>Above                          | Silty Clay Silty Clay                    | 10/22/2003         | 1.54             |
| 3A-3B-210-03      | 5' - 6'              | Cadmium            |                              | 368.90                     | 370.12   | Above                                   | Sandy Silt                               | 10/22/2003         | <0.632           |
|                   | 6' - 7'              | Cadmium            |                              | 368.90                     | 369.12   | At                                      | Sandy Silt                               | 10/22/2003         | <0.641           |
|                   | 7' - 8'              | Cadmium            |                              | 368.90                     | 368.12   | Below                                   | Sandy Silt                               | 10/22/2003         | <0.713           |
|                   | 8' - 9'              | Cadmium            |                              | 368.90                     | 367.12   | Below                                   | Sandy Silt                               | 10/22/2003         | <0.635           |
|                   | 9' - 10'             | Cadmium            |                              | 368.90                     | 366.12   | Below                                   | Organic Silt/Sand                        | 10/22/2003         | <0.635           |
|                   | 0' - 1'              | Cadmium            |                              | 368.88                     | 375.23   | Above                                   | Silty Sand                               | 10/22/2003         | <0.59            |
| SA-SB-216-04      | 1' - 2'              | Cadmium            | 376.23                       | 368.88                     | 374.23   | Above                                   | Silty Sand                               | 10/22/2003         | <0.57            |
|                   | 0' - 1'              | Cadmium            |                              |                            |  |   |  | 11/2001            | 203              |
| SB-02             | 1' - 2'              | Cadmium            |                              |                            |  |   |  | 11/2001            | 503              |
| OD 00             | 0' - 1'              | Cadmium            |                              |                            |  |   |  | 11/2001            | 37               |
| SB-03             | 1' - 2'              | Cadmium            |                              |                            |  |   |  | 11/2001            | 30.1             |
| SB-04             | 0' - 1'              | Cadmium            |                              |                            |  |   |  | 11/2001            | 30.4             |
| 3D-0 <del>4</del> | 1' - 2'              | Cadmium            |                              |                            |  |   |  | 11/2001            | 34.2             |
| SB-29             | 0" - 2"              | Cadmium            |                              |                            |  |   |  | 06/2002            | 10.5             |
| SB-30             | 0" - 2"              | Cadmium            |                              |                            |  |   |  | 06/2002            | 39.3             |
| SB-31             | 0" - 2"              | Cadmium            |                              |                            |  |   |  | 06/2002            | 22.9             |
| SB-32             | 0" - 2"              | Cadmium            |                              |                            |  |   |  | 06/2002            | 35.2             |
| SB-33             | 0" - 2"              | Cadmium            |                              |                            |  |   |  | 06/2002            | 11.3             |
| SB-34             | 0" - 2"              | Cadmium            |                              |                            |  |   |  | 06/2002            | 3.79             |
| SB-35             | 0" - 2"              | Cadmium            |                              |                            |  |   | Construction                             | 06/2002            | 19.0             |
|                   | 0' - 1'              | Cadmium            | }                            |                            |  |   | Sandy Silt                               | 11/2002            | 134              |
| SB-61             | 1' - 2'              | Cadmium            |                              |                            |  |   | Sandy Silt                               | 11/2002            | 22.9             |
|                   | 2' - 3'<br>3' - 4'   | Cadmium<br>Cadmium |                              |                            |  |   | Silty Sand Silty Sand/Peat               | 11/2002<br>11/2002 | 26.2<br>864      |
|                   | 2' - 3'              | Cadmium            | <u> </u>                     |                            |  |   | Sandy Salt                               | 11/2002            | 263              |
| SB-62             | 3' - 4'              | Cadmium            |                              |                            |  |   | Silty Sand                               | 11/2002            | 203              |
| SB-63             | 0" - 2"              | Cadmium            |                              |                            |  |   |  | 11/2002            | 22.6             |
| SB-64             | 0" - 2"              | Cadmium            |                              |                            |  |   |  | 11/2002            | 1.1              |
| 02 04             | 0" - 2"              | Cadmium            |                              |                            |  |   |  | 11/2002            | 32.7             |
|                   | 0' - 1'              | Cadmium            |                              |                            |  |   | Silty Sand                               | 11/2002            | 63.7             |
| SB-208            | 1' - 2'              | Cadmium            |                              |                            |  |   | Silty Sand                               | 11/2002            | 27.3             |
|                   | 2' - 3'              | Cadmium            | †                            |                            |  |   | Silty Sand                               | 11/2002            | 600              |
|                   | 3' - 4'              | Cadmium            | t                            |                            |  |   | Sandy Silt                               | 11/2002            | 41.7             |

### Summary of Soil Classification and Analytical Data Adjacent to Sunflower Drive Culvert<sup>1</sup> West Branch of Bloody Brook (WBBB) **Bloody Brook Voluntary Cleanup Program** Onondaga County, New York

| Boring ID | Sampling<br>Interval | Analyte | Surface<br>Elevation<br>(ft) | Brook<br>Elevation<br>(ft) | Sample<br>Elevation at<br>Bottom of<br>Interval (ft) | Sample<br>Relation to<br>Brook<br>Level | General Soil Classification <sup>2</sup> | Collection<br>Date | Result (mg/kg) |
|-----------|----------------------|---------|------------------------------|----------------------------|--|---|--|--------------------|----------------|
|           | 0" - 2"              | Cadmium |                              |                            |  |   |  | 11/2002            | 14.7           |
|           | 0' - 1'              | Cadmium |                              |                            |  |   | Sandy Silt                               | 11/2002            | 11.8           |
| SB-209    | 1' - 2'              | Cadmium |                              |                            |  |   | Silty Sand                               | 11/2002            | 14.3           |
|           | 2' - 3'              | Cadmium |                              |                            |  |   | Silty Sand                               | 11/2002            | 10.0           |
|           | 3' - 4'              | Cadmium |                              |                            |  |   | Silty Sand                               | 11/2002            | 10.7           |
|           | 0" - 2"              | Cadmium |                              | 366.99                     | 376.37   | Above                                   | Topsoil                                  | 10/23/2003         | 23.5           |
|           | 0' - 1'              | Cadmium | ]<br> <br> <br>              | 366.99                     | 375.54   | Above                                   | Sandy Silt                               | 10/23/2003         | 10.1           |
|           | 1' - 2'              | Cadmium |                              | 366.99                     | 374.54   | Above                                   | Fill                                     | 10/23/2003         | 5.2 [1.50]     |
|           | 2' - 3'              | Cadmium |                              | 366.99                     | 373.54   | Above                                   | Fill                                     | 10/23/2003         | <0.57          |
|           | 3' - 4'              | Cadmium |                              | 366.99                     | 372.54   | Above                                   | Silty Sand                               | 10/23/2003         | 0.81           |
|           | 4' - 5'              | Cadmium |                              | 366.99                     | 371.54   | Above                                   | Silty Sand                               | 10/23/2003         | <0.60          |
| SB-230    | 5' - 6'              | Cadmium | 376.54                       | 366.99                     | 370.54   | Above                                   | Silty Sand to Silty Clay                 | 10/23/2003         | <0.61          |
|           | 6' - 7'              | Cadmium |                              | 366.99                     | 369.54   | Above                                   | Organic Silty Clay                       | 10/23/2003         | 6.0            |
|           | 7' - 8'              | Cadmium |                              | 366.99                     | 368.54   | Above                                   | Organic Silty Clay                       | 10/23/2003         | <0.65 [<0.68]  |
|           | 8' - 9'              | Cadmium |                              | 366.99                     | 367.54   | Above                                   | Silty Clay                               | 10/23/2003         | <0.62          |
|           | 9' - 10'             | Cadmium |                              | 366.99                     | 366.54   | At                                      | Silty Clay                               | 10/23/2003         | <0.59          |
|           | 10' - 11'            | Cadmium |                              | 366.99                     | 365.54   | Below                                   | Organic Silty Clay                       | 10/23/2003         | <0.67          |
|           | 11' - 12'            | Cadmium |                              | 366.99                     | 364.54   | Below                                   | Silty Clay                               | 10/23/2003         | <0.62          |
| SB-454    | 0" - 2"              | Cadmium | 376.79                       | 367.00                     | 376.62   | Above                                   | Topsoil                                  | 4/29/2004          | 4.9            |
| 36-434    | 0' - 1'              | Cadmium | 370.79                       | 367.00                     | 375.79   | Above                                   | Silty Sand                               | 4/29/2004          | 7.5            |

### Notes:

- Boring locations are shown on Figure 1.
   The soil classification descriptions identified in the table represent the predominant soil type for the respective intervals.
   mg/kg = milligrams/kilograms (equivalent to ppm = parts per million).
   --- indicates that the information is not available.
   Duplicate results are presented in brackets.
   B Compound was found in the blank and sample.
   J The detected concentration is an estimated value.
   U Result edited to reflect non-detect by data validation company due to presence of cadmium in the associated preparation blank at similar concentrations.
   < Analyte not detected at the reporting limit shown.</li>

# TABLE 2 Proposed Soil Investigation Samples Adjacent to Sunflower Drive WBBB Culvert<sup>1</sup> West Branch of Bloody Brook (WBBB) Bloody Brook Voluntary Cleanup Program Onondaga County, New York

| Boring ID | Sample Depth Interval <sup>2</sup> | Analysis Approach <sup>3</sup> |
|-----------|------------------------------------|--------------------------------|
| DI-82-01  | 0' - 1'                            | Analyze                        |
|           | 1' - 2'                            | Analyze                        |
|           | 2' - 3'                            | Analyze                        |
|           | 3' - 4'                            | Analyze                        |
|           | 4' - 5'                            | Analyze                        |
|           | 5' - 6'                            | Analyze                        |
|           | 6' - 7'                            | Analyze                        |
|           | 7' - 8'                            | Analyze                        |
|           | 8' - 9'                            | Analyze                        |
|           | 9' - 10'                           | Analyze                        |
|           | 10' - 11'                          | Analyze                        |
|           | 11' - 12'                          | Analyze                        |
| DI-82-02  | 0' - 1'                            | Hold <sup>4</sup>              |
|           | 1' - 2'                            | Hold⁴                          |
|           | 2' - 3'                            | Hold⁴                          |
|           | 3' - 4'                            | Hold <sup>4</sup>              |
|           | 4' - 5'                            | Hold <sup>4</sup>              |
|           | 5' - 6'                            | Hold <sup>4</sup>              |
|           | 6' - 7'                            | Hold <sup>4</sup>              |
|           | 7' - 8'                            | Hold <sup>4</sup>              |
|           | 8' - 9'                            | Hold <sup>4</sup>              |
|           | 9' - 10'                           | Hold <sup>4</sup>              |
|           | 10' - 11'                          | Hold <sup>4</sup>              |
|           | 11' - 12'                          | Hold <sup>4</sup>              |
| DI-82-03  | 0' - 1'                            | Hold⁴                          |
|           | 1' - 2'                            | Hold <sup>4</sup>              |
|           | 2' - 3'                            | Hold <sup>4</sup>              |
|           | 3' - 4'                            | Hold <sup>4</sup>              |
|           | 4' - 5'                            | Hold⁴                          |
|           | 5' - 6'                            | Hold <sup>4</sup>              |
|           | 6' - 7'                            | Hold <sup>4</sup>              |
|           | 7' - 8'                            | Hold <sup>4</sup>              |
|           | 8' - 9'                            | Hold⁴                          |
|           | 9' - 10'                           | Hold <sup>4</sup>              |
|           | 10' - 11'                          | Hold <sup>4</sup>              |
|           | 11' - 12'                          | Hold <sup>4</sup>              |

# TABLE 2 Proposed Soil Investigation Samples Adjacent to Sunflower Drive WBBB Culvert<sup>1</sup> West Branch of Bloody Brook (WBBB) Bloody Brook Voluntary Cleanup Program Onondaga County, New York

| Boring ID | Sample Depth Interval <sup>2</sup> | Analysis Approach <sup>3</sup> |
|-----------|------------------------------------|--------------------------------|
| DI-82-04  | 0' - 1'                            | Hold <sup>4</sup>              |
|           | 1' - 2'                            | Hold <sup>4</sup>              |
|           | 2' - 3'                            | Hold <sup>4</sup>              |
|           | 3' - 4'                            | Hold <sup>4</sup>              |
|           | 4' - 5'                            | Hold <sup>4</sup>              |
|           | 5' - 6'                            | Hold <sup>4</sup>              |
|           | 6' - 7'                            | Hold <sup>4</sup>              |
|           | 7' - 8'                            | Hold <sup>4</sup>              |
|           | 8' - 9'                            | Hold <sup>4</sup>              |
|           | 9' - 10'                           | Hold <sup>4</sup>              |
|           | 10' - 11'                          | Hold <sup>4</sup>              |
|           | 11' - 12'                          | Hold <sup>4</sup>              |
| DI-82-05  | 0' - 1'                            | Hold⁴                          |
|           | 1' - 2'                            | Hold <sup>4</sup>              |
|           | 2' - 3'                            | Hold⁴                          |
|           | 3' - 4'                            | Hold <sup>4</sup>              |
|           | 4' - 5'                            | Hold <sup>4</sup>              |
|           | 5' - 6'                            | Hold <sup>4</sup>              |
|           | 6' - 7'                            | Hold <sup>4</sup>              |
|           | 7' - 8'                            | Hold <sup>4</sup>              |
|           | 8' - 9'                            | Hold <sup>4</sup>              |
|           | 9' - 10'                           | Hold <sup>4</sup>              |
|           | 10' - 11'                          | Hold <sup>4</sup>              |
|           | 11' - 12'                          | Hold <sup>4</sup>              |
| DI-82-06  | 0' - 1'                            | Hold <sup>4</sup>              |
|           | 1' - 2'                            | Hold <sup>4</sup>              |
|           | 2' - 3'                            | Hold <sup>4</sup>              |
|           | 3' - 4'                            | Hold <sup>4</sup>              |
|           | 4' - 5'                            | Hold <sup>4</sup>              |
|           | 5' - 6'                            | Hold <sup>4</sup>              |
|           | 6' - 7'                            | Hold <sup>4</sup>              |
|           | 7' - 8'                            | Hold <sup>4</sup>              |
|           | 8' - 9'                            | Hold⁴                          |
|           | 9' - 10'                           | Hold <sup>4</sup>              |
|           | 10' - 11'                          | Hold <sup>4</sup>              |
|           | 11' - 12'                          | Hold <sup>4</sup>              |

# TABLE 2 Proposed Soil Investigation Samples Adjacent to Sunflower Drive WBBB Culvert<sup>1</sup> West Branch of Bloody Brook (WBBB) Bloody Brook Voluntary Cleanup Program Onondaga County, New York

| Boring ID | Sample Depth Interval <sup>2</sup> | Analysis Approach <sup>3</sup> |
|-----------|------------------------------------|--------------------------------|
| DI-83-01  | 0' - 1'                            | Analyze                        |
|           | 1' - 2'                            | Analyze                        |
|           | 2' - 3'                            | Analyze                        |
|           | 3' - 4'                            | Analyze                        |
|           | 4' - 5'                            | Analyze                        |
|           | 5' - 6'                            | Analyze                        |
|           | 6' - 7'                            | Analyze                        |
|           | 7' - 8'                            | Analyze                        |
|           | 8' - 9'                            | Analyze                        |
|           | 9' - 10'                           | Analyze                        |
|           | 10' - 11'                          | Analyze                        |
|           | 11' - 12'                          | Analyze                        |
| DI-83-02  | 0' - 1'                            | Hold⁴                          |
|           | 1' - 2'                            | Hold⁴                          |
|           | 2' - 3'                            | Hold <sup>4</sup>              |
|           | 3' - 4'                            | Hold <sup>4</sup>              |
|           | 4' - 5'                            | Hold <sup>4</sup>              |
|           | 5' - 6'                            | Hold <sup>4</sup>              |
|           | 6' - 7'                            | Hold <sup>4</sup>              |
|           | 7' - 8'                            | Hold <sup>4</sup>              |
|           | 8' - 9'                            | Hold <sup>4</sup>              |
|           | 9' - 10'                           | Hold <sup>4</sup>              |
|           | 10' - 11'                          | Hold <sup>4</sup>              |
|           | 11' - 12'                          | Hold⁴                          |
| DI-83-03  | 0' - 1'                            | Hold <sup>4</sup>              |
|           | 1' - 2'                            | Hold <sup>4</sup>              |
|           | 2' - 3'                            | Hold <sup>4</sup>              |
|           | 3' - 4'                            | Hold <sup>4</sup>              |
|           | 4' - 5'                            | Hold <sup>4</sup>              |
|           | 5' - 6'                            | Hold <sup>4</sup>              |
|           | 6' - 7'                            | Hold <sup>4</sup>              |
|           | 7' - 8'                            | Hold <sup>4</sup>              |
|           | 8' - 9'                            | Hold <sup>4</sup>              |
|           | 9' - 10'                           | Hold <sup>4</sup>              |
|           | 10' - 11'                          | Hold <sup>4</sup>              |
|           | 11' - 12'                          | Hold <sup>4</sup>              |

### **TABLE 2**

## Proposed Soil Investigation Samples Adjacent to Sunflower Drive WBBB Culvert<sup>1</sup> West Branch of Bloody Brook (WBBB) Bloody Brook Voluntary Cleanup Program Onondaga County, New York

### Notes:

- 1. Proposed boring locations are shown on Figure 1.
- 2. All samples will be collected using a direct push drill rig. If refusal is encountered, additional attempts will be made in the same general area as the proposed sample location. In the event of refusal, limited sample recovery, or the presence of an obstruction, the sample will not be collected and the reason for not collecting the sample will be documented.
- 3. As indicated in the table, certain samples will be collected and held at the laboratory and will be analyzed based on the results of other samples. If analysis of held samples is determined to be necessary, the analysis will be performed within laboratory and analytical procedure holding times. All samples that are analyzed will be analyzed for cadmium using USEPA SW-846 Method 6010B.
- 4. Analysis is contingent on results from successive samples listed above and from samples at consecutive depth intervals. Samples will not be analyzed if results are less than less than 10 ppm.

