



MONITORING WELL INSTALLATION REPORT

Miller's Market
Colony Insurance Claim #21164
3152 Washington Way
Longview, Washington
VCP #SW1380
Antea® Group Project No. STCG-0472.0090
November 30, 2017

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Department of Ecology
Toxics Cleanup Program

Prepared for:
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3152 Washington Way
Longview, Washington 98632

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Monitoring Well Installation Report

Miller's Market

Colony Insurance Claim #21164

3152 Washington Way, Longview, WA 98632

Antea®Group (Antea Group) has prepared this report to summarize groundwater monitoring well installation activities performed at 3152 Washington Way in Longview, Washington (Figures 1 & 2). The assessment work was performed on July 26, 2017 and September 20, 2017 to further delineate the extent of petroleum hydrocarbons in soil and groundwater beneath the property.

1.0 EXECUTIVE SUMMARY

On July 26, 2017 Antea Group personnel directed the advancement of two soil borings at the Site (Figure 2). Both borings were completed as 2-inch diameter monitoring wells (MW-9 and MW-10). Monitoring wells MW-9 and MW-10 were set at a total depth of 13 feet below ground surface (bgs) with 10 feet of 0.020" slotted screen. The drilling of a third boring was postponed because there was an unknown sewer line, discovered during the public locate. The proposed location and the traffic control plan needed to be modified and approved by the City of Longview before drilling the new location. On September 20, 2017 Antea Group personnel directed the advancement of the postponed soil boring at the Site. It was completed as a 2-inch diameter monitoring well (MW-11). Monitoring well MW-11 was set at a total depth of 10 feet bgs with 7 feet of 0.020" slotted screen. Within MW-9, soil samples were collected at 7, 11, and 15 feet bgs. Within MW-10, soil samples were collected at 4.5, 7, and 13 feet bgs. Within MW-11, soil samples were collected at 3, 5, and 10 feet bgs. Select soil samples were submitted for quantitative laboratory analysis to complete the vertical and horizontal delineation of soil impacts. On October 4, 2017, groundwater samples were collected from the three new wells.

Laboratory analytical results of soil samples indicate concentrations of petroleum hydrocarbons in excess of respective Washington State Department of Ecology (Ecology) Model Toxics Control Act (MTCA) Method A cleanup levels and/or laboratory method reporting limits (MRLs) in the southwest corner of the Site. Concentrations of total petroleum hydrocarbons as gasoline (TPH-G) and benzene were detected above MTCA Method A cleanup levels in the 4.5 and 7-foot soil samples collected from monitoring well MW-10. Concentrations of TPH-G, benzene, toluene, ethylbenzene, and xylenes (BTEX compounds) were not detected above laboratory MRLs in the 13-foot sample collected from MW-10. Method B cleanup levels have been generated for the Site, from soil data collected during previous investigations, and neither sample noted above exceeded the calculated MTCA Method B Cleanup Levels. None of the soil samples collected from the borings for wells MW-9 or MW-11 exceeded the respective MTCA

Method A cleanup levels. Concentrations of TPH-G and benzene were detected above respective MTCA Method A cleanup levels in water samples collected from well MW-10.

2.0 SITE DESCRIPTION AND BACKGROUND

2.1 Site Description

The Site is currently an active gasoline fueling station with above ground structures that include a station building in the central portion of the property and one dispenser-island located south of the station building. Five underground storage tanks (USTs) were decommissioned and removed from the Site in 1991. The USTs were replaced by one 12,000-gallon, one 8,000-gallon, and one 6,000-gallon UST in the southeastern portion of the property. The locations of the decommissioned and operational USTs on the property are shown on Figure 2. Remediation activities have been performed at the Site and are documented in other reports and the RI document. Groundwater sampling was on hold since August of 2015. All of the groundwater monitoring wells on site had been below MTCA Method A cleanup levels for TPH-G and BTEX compounds for four consecutive quarters or more prior to August 2015. Most of the wells on Site have been below laboratory MRLs and the MTCA Method A cleanup levels since installation.

Land use in the vicinity of the property consists primarily of commercial and residential developments. The property is bound to the south by Washington Way with residential houses across the street. To the north and to the west (across 32nd Ave) are residential houses. The adjacent property to the east is a paved parking lot and restaurant.

According to USGS topography map, the property is situated approximately less than 20 feet above mean sea level in the Columbia River Basin. The area directly around the Site and the City of Longview is relatively flat. The Columbia River is located approximately 4,500 feet southwest of the Site. The property is paved with asphalt and concrete.

2.2 Geologic and Hydrogeologic Conditions

Geologic information for the Site was obtained from the United States Geological Survey website. According to the geological map found on the website, the City of Longview is located in an area of predominately Quaternary Alluvium that was transported and deposited by the Columbia and Cowlitz Rivers. Alluvium consists of mostly unconsolidated silt, sand, and gravel valley fill with some clay. The alluvium ranges from loose to medium density and may contain interbeds of marsh, peat, artificial fill, and glacial deposits. This soil description is consistent with the lithology observed during the most recent well installation activities.

Groundwater-bearing zones in the Longview area are generally confined to the most recent glacial outwash alluvial deposits comprised of sands and gravels. These materials are commonly underlain, and occasionally overlain, by relatively impermeable glacial till deposits. Lateral and vertical migration of the groundwater is impeded by the dense and relatively impermeable nature of the till and the commonly discontinuous lateral continuity of the

groundwater-bearing materials. Perched and discontinuous zones of shallow groundwater may be seasonally and locally present above the impervious till. Groundwater has been encountered at the Site between 1.93 feet to 7.51 feet bgs and the direction of groundwater flow has been predominantly to the southeast.

3.0 SCOPE OF WORK

The scope of work performed by Antea Group included the following tasks:

- Developed a site-specific Health and Safety Plan;
- Submitted an application to the City of Longview for drilling in the public Right-of-Way and obtained an approved permit prior to drilling;
- Contracted One-Call and a private underground utility locator to delineate the location and marking of underground utilities and other potential subsurface obstructions in the vicinity of the proposed boring locations;
- Hand cleared for utilities to a minimum depth of 5 feet bgs using an air knife and vacuum truck;
- Advanced three soil borings for MW-9, MW-10, and MW-11 to total depths of 16.5, 13, and 10 feet bgs, respectively, utilizing a hollow stem auger rig for MW-9 and MW-10, and a vacuum truck for MW-11;
- Collected soil samples using a split spoon sampler driven into the undisturbed formation to obtain discrete soil samples from MW-9 and MW-10 (one sample was collected from MW-10 at 4.5 feet bgs using a hand auger). Each sample from MW-11 was collected using a hand auger.
- Performed examination and description of each sample using the Unified Soil Classification System (USCS) and standard geologic techniques;
- Completed all three soil borings as groundwater monitoring wells (MW-9 through MW-11) to depths ranging between 10 and 13 feet bgs;
- Submitted select soil samples for quantitative chemical analysis;
- Developed newly installed groundwater monitoring wells MW-9 through MW-11 following well construction;
- Surveyed the newly installed wells to the previously established Site datum (to be completed);
- Collected groundwater samples from each new groundwater monitoring well with a peristaltic pump;
- Performed profiling of investigation derived waste for later removal and proper disposal; and
- Prepared a report summarizing the findings of the investigation.

4.0 SOIL BORING AND GROUNDWATER MONITORING WELL INSTALLATION

On July 26, 2017, Antea Group personnel directed the advancement of two soil borings. The borings were completed as groundwater monitoring wells MW-9 and MW-10. A third boring advancement was postponed because there



was an unknown communication line discovered during the public locate. This line was not located and marked during a previous public locate performed. Antea Group called in an emergency locate in order to move the proposed boring east into the street. An unknown sewer line was located in the street and the boring was postponed for later. Antea Group determined another location in the southbound left turn lane that would be appropriate for the well, but a new traffic control plan was required before the well could be installed. It was also now necessary to verify that the well permit was still valid with the City of Longview before commencing. Following approval of the permit and revised traffic control plan, the advancement of the third boring commenced on September 20, 2017 and was completed as groundwater monitoring well MW-11. Well MW-9 was installed south of the subject property, near the intersection of Washington Way and 32nd Avenue. Well MW-10 was installed on the subject property in the southwest corner. MW-11 was installed within the southbound left turn lane of 32nd Avenue, parallel with the existing well MW-7. Prior to drilling activities, Antea Group coordinated the location and marking of underground utilities near the proposed boring locations. The utilities survey included contacting the local public utility locating service and contracting a private locating service. The approved City permit and Traffic Control plans are included in Appendix A.

Prior to drilling, the boring locations were cleared to a depth of at least five feet bgs using an air knife and vacuum truck. Following utility clearing, the borings were advanced using a Hollow-Stem Auger drill rig operated by Holocene Drilling, Inc. (Holocene) to total depths of 16.5 feet and 13 feet bgs for MW-9 and MW-10, respectively. The boring for MW-11 was cleared entirely by air knife and vacuum truck to a total depth of 10 feet bgs. Groundwater was encountered during drilling in the borings between 5.5 and 7.5 feet bgs with a zone of perched groundwater within MW-11 at approximately 1.25 feet bgs. The shallow perched zone in MW-11 was within the road-base gravel fill immediately beneath the street surface. Soil samples were collected from 7 feet, 11 feet and 15 feet bgs in MW-9, and 4.5 feet, 7 feet, and 13 feet bgs in MW-10. Soil samples were collected from 3 feet, 5 feet, and 10 feet bgs in MW-11, using a hand auger advanced approximately 18 inches ahead of the vacuum cleared borehole. Soil samples were collected below 5 feet bgs from MW-9 and MW-10 using a split-spoon sampler driven ahead of the drill bit into undisturbed formation materials. Select soil samples were submitted to ALS Laboratory in Everett, Washington using chain-of-custody procedures for quantitative chemical analysis.

All three borings were completed as groundwater monitoring wells and were constructed of 2" diameter schedule 40 (sch 40) polyvinyl chloride (PVC) casing. Monitoring wells MW-9 and MW-10 were completed at a depth of 13 feet bgs and contained 10 feet of 0.020" slotted screen from 3 to 13 feet bgs. Monitoring well MW-11 was completed at a depth of 10 feet bgs and contained 7 feet of 0.020" slotted screen from 3 to 10 feet bgs. Annular space consisted of #10/20 filter sand 1/2 foot above the screen followed with a seal of bentonite chips placed from the top of the filter pack to within approximately 1 foot of the ground surface in wells MW-9 and MW-10. A flush-mount monument was then cemented in place over the well head. The filter sand within MW-11 was sealed with concrete to just below ground surface and was finished with a flush mount monument.

On October 4, 2017, newly installed monitoring wells MW-9 through MW-11 were developed. Development activities were completed by purging the wells with a pump until the amount of suspended sediment in the purge water decreased significantly and the water appeared clear. Approximately 8 gallons of groundwater was extracted

from wells MW-9 and MW-10 during development. Three gallons of groundwater was extracted from MW-11 before the well went dry.

Down-hole drilling and sampling equipment was pressure-washed in a water-alconox solution and rinsed after installing each soil boring. Boring logs, soil sampling intervals, lithology descriptions, and boring completion details are included in Appendix B.

Soils observed during the boring installation was consistent with the area geology. The subsurface generally consisted of silt with varying amounts of sand and clay to the total depth explored of 10 and 16.5 feet bgs. MW-11 had a layer of gravel fill from 1.25 to 3 feet bgs. Two new geologic cross sections were prepared for this project and are presented on Figures 4 and 5 as cross sections C-C' and D-D'. Cross sections A-A' and B-B' were previously prepared and are included in the RI report prepared for this Site. The lines of Geologic cross sections are shown on Figure 3.

5.0 WASTE MANAGEMENT

Soil cuttings and decontamination fluids generated during drilling activities are being temporarily stored in labeled 55-gallon drums on Site. Analytical data for soil and water samples has been received and will be used for disposal profiling. The drums will be removed upon disposal approval. The waste will be disposed at an Ecology approved disposal facility. Analytical results for waste samples is included as part of Appendix C.

6.0 SAMPLE COLLECTION AND ANALYSIS

6.1 Soil Sampling

Field screening of soils included inspecting the samples for signs of petroleum staining or sheens and odors, and screening soils using a photo-ionization detector (PID). Select soil samples exhibited signs of petroleum contamination. Other samples were collected to vertically and horizontally delineate soil contamination. A total of 7 soil samples were selected for submittal for laboratory analysis. Each sample collected was individually labeled, registered on a Chain-of-Custody form, and placed in a chilled cooler pending delivery to a certified analytical laboratory. The samples collected from MW-9 at 11 feet and 15 feet bgs were held pending the results from the sample collected at seven feet bgs. There was no indication of petroleum impacts in any of the samples collected from MW-9, and the seven-foot sample did not exceed Laboratory MRLs or MTCA Method A cleanup levels for any of the constituents. The samples collected from 11 feet and 15 feet were therefore not analyzed. Samples collected from MW-10 were submitted for analyses from 4.5, 7, and 13 feet bgs. Samples collected from MW-11 were submitted for analyses from 3, 5, and 10 feet bgs.

6.2 Groundwater Monitoring

Before the October groundwater sampling event, Antea Group measured depth to water in monitoring wells MW-1, MW-3 through MW-11, and RW-1 using an electronic water level meter. Groundwater elevations (GWE) were recorded on waterproof field sheets and measured to an accuracy of 0.01 feet. Samples were withdrawn from new wells MW-9 through MW-11 using a low-flow/low-purge technique with a peristaltic pump. Field parameters of temperature, conductivity, dissolved oxygen, oxygen reduction potential (ORP), and pH were collected during low-flow/low-purge procedures. The samples were placed in the appropriate laboratory-provided containers. Samples were labeled, placed into ice filled coolers, logged onto chain-of-custody forms and transported to the laboratory. No separate-phase hydrocarbons were observed in any of the monitoring wells.

During the October groundwater sampling event, the groundwater elevation was relatively flat across the Site. Historically groundwater flow has predominantly been towards the southeast. Antea Group will continue to gauge depth to groundwater and calculate the flow direction on Site during quarterly sampling events, and will include a contour map for this event in the fourth quarter Groundwater Sampling Report to be prepared. Antea Group will survey the new wells and re-survey the existing wells on Site prior to developing a groundwater contour map and calculating the flow direction. A summary of current and historical groundwater elevations with natural attenuation parameters is included in Table 2. Well locations are shown on Figure 2.

6.3 Laboratory Analysis

Soil and groundwater samples were submitted to ALS Laboratories of Everett, WA, for quantitative chemical analysis. All soil and groundwater samples were analyzed for the following parameters:

- TPH-G using Northwest Method NWTPH-Gx;
- BTEX using EPA Method 8021; and
- Total Lead using EPA Method 6020 (soil) and EPA Method 200.8 (water).

For waste disposal profiling purposes, one additional composite soil sample was analyzed for RCRA 8 metals using EPA Methods 7471 and 6020. One additional waste groundwater sample was analyzed for TPH-G using Northwest Method NWTPH-Gx, BTEX using EPA Method 8021, and RCRA 8 metals using Method 200.8 and 245.1.

7.0 ANALYTICAL RESULTS

7.1 Soil Results

The laboratory analytical report for soil indicated concentrations of TPH-G and benzene in excess of MTCA Method A cleanup levels in samples collected from boring MW-10 at 4.5 and 7 feet bgs. The analytical results for the remaining



samples and compounds were all either below the laboratory MRLs or were below the respective MTCA Method A cleanup levels. None of the soil samples exceeded the MTCA Method B cleanup levels calculated for the Site. Soil analytical results are presented in Table 1 and on Figure 6. Soil analytical reports are included as part of Appendix C.

7.2 Groundwater Results

The laboratory analytical report for groundwater indicated TPH-G and benzene in excess of MTCA Method A cleanup levels in the sample from MW-10 at concentrations of 2,200 ug/L and 10 ug/L, respectively. The analytical results from groundwater samples collected from monitoring wells MW-9 and MW-11 did not indicate petroleum hydrocarbons concentrations in excess of the laboratory MRLs. Groundwater analytical results are presented in Table 3 and Figure 7. Groundwater analytical reports are included as part of Appendix C.

7.3 MTCA Method B Cleanup Levels

As proposed in the April 2017 Soil Boring Installation Report, and as allowed under MTCA (WAC 173-340-705), Antea Group has developed modified Method-B cleanup levels for soil and proposes utilizing the CLARC tables for constituents of concern (COCs) at the Site once groundwater is below MTCA Method A cleanup levels. Antea Group used Ecology's *Workbook Tools for Calculating Soil and Ground Water Cleanup Levels* in order to develop the Method B cleanup levels.

During soil sampling activities in February 2017, soil samples B-2-5ft, B-3-2.5ft, B-4-6ft, and B-5-10ft were analyzed for EPH and VPH along with TPH-G, BTEX compounds, and MTBE. These analytes were used to calculate a Site-Specific Method B cleanup level. The median of the four calculated values is proposed as the Site-Specific Method B cleanup level once groundwater has been completely delineated and no longer exceeds MTCA Method A cleanup levels. The analytical results used for the Method B calculations and the Method B worksheets are included as Appendix D. The median Method B cleanup level is established as 3,908 mg/kg for total TPH. None of the soil samples on Site exceed the Clark values or MTCA Method B cleanup levels established.

8.0 CONCLUSIONS AND RECOMMENDATIONS

Antea Group directed the drilling and installation of three groundwater monitoring wells (MW-9 through MW-11) at the Site on July 26 and September 20, 2017. The purpose of the work was to complete the lateral delineation of soil and groundwater conditions in the southwest corner of the Site. Concentrations of TPH-G and benzene were detected above MTCA Method A cleanup levels in soil samples collected from MW-10 at 4.5 and 7 feet bgs. Concentrations of TPH-G and benzene were not detected above MTCA Method A cleanup levels or laboratory MRLs in the soil sample collected from MW-10 at 13 feet bgs. Soil samples from MW-11 (to the West) were all below MTCA Method A cleanup levels. Soil samples from MW-9 (to the South) were also below MTCA Method A cleanup levels, and none of the samples analyzed from MW-9 and MW-11 exceeded laboratory MRLs for TPH-G or BTEX compounds.



Concentrations of TPH-G and benzene were detected above MTCA Method A cleanup levels in the groundwater sample collected from well MW-10. Concentrations of TPH-G, BTEX compounds, and total lead were not detected above MTCA Method A cleanup levels or laboratory MRLs in the groundwater samples collected from wells MW-9 and MW-11. These wells serve to delineate soil and groundwater laterally to the west and south from the Site.

Antea Group recommends that once groundwater concentrations are below MTCA Method A cleanup levels for four consecutive quarters, the Method B soil cleanup levels be applicable for the Site and closure will be requested. None of the historical soil samples analyzed from the Site have exceeded the calculated Method B cleanup level nor the CLARC values for BTEX compounds.

Quarterly groundwater monitoring and sampling events will continue to be conducted at the Site. Antea Group is also reviewing remedial approaches to address the petroleum impacts currently observed in the southwest corner of the Site.

9.0 REFERENCES

Model Toxics Control Act Regulation and Statute – Washington State Department of Ecology (Ecology), Toxics Cleanup Program, Publication No. 94-06, Revised 2013

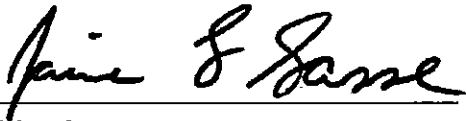
Workbook Tools for Calculating Soil and Ground Water Cleanup Levels – Ecology, Publication No. 01-09-073, Revised 2007

Remedial Investigation Report – Antea Group, July 28, 2015

10.0 REMARKS

The recommendations contained in this report represent Antea USA, Inc.'s professional opinions based upon the currently available information and are arrived at in accordance with currently accepted professional standards. This report is based upon a specific scope of work requested by the client. The contract between Antea USA, Inc. and its client outlines the scope of work, and only those tasks specifically authorized by that contract or outlined in this report were performed. This report is intended only for the use of Antea USA, Inc.'s client and anyone else specifically identified in writing by Antea USA, Inc. as a user of this report. Antea USA, Inc. will not and cannot be liable for unauthorized reliance by any other third party. Other than as contained in this paragraph, Antea USA, Inc. makes no express or implied warranty as to the contents of this report. Please call Matthew Miller at (425) 498-7722 if you have any questions regarding the contents of this report.

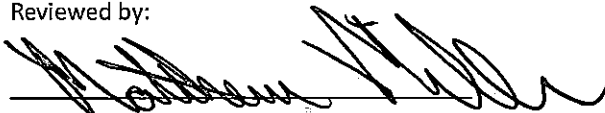
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Tables

Table 1	Summary of Soil Analytical Results
Table 2	Groundwater Elevation Measurements-Natural Attenuation Parameters
Table 3	Groundwater Analytical Results

**TABLE 1
SUMMARY OF SOIL ANALYTICAL RESULTS**

Miller's Market
3152 Washington Way
Longview, Washington

Sample I.D.	Sample Collection Date	Sample Collection Depth (feet)	TPH-G (mg/kg)	Benzene (mg/kg)	Toluene (mg/kg)	Ethyl-benzene (mg/kg)	Total Xylenes (mg/kg)	Total Lead (mg/kg)
MW-9-7	07/26/17	7	<3.0	<0.030	<0.050	<0.050	<0.20	40
MW-10-4.5	07/26/17	4.5	260	0.21	<0.25	1.9	<1.0	6.3
MW-10-7	07/26/17	7	160	0.17	<0.10	1.1	<0.40	6.8
MW-10-13	7/26/17	13	<3.0	<0.030	<0.050	<0.050	<0.20	5.0
MW-11-3	9/20/17	3	<3.0	<0.030	<0.050	<0.050	<0.20	8.9
MW-11-5	9/20/17	5	<3.0	<0.030	<0.050	<0.050	<0.20	7.6
MW-11-10	11/6/03	10	<3.0	<0.030	<0.050	<0.050	<0.20	2.4
MTCA Method A Cleanup Levels:			30	0.03	7	6	9	250
MTCA Method B Cleanup Levels^a:			3908^b	18.2	6400	8,000	16,000	--
Notes:								
mg/kg = milligrams per kilogram (mg/kg)								
ND = Not detected at the laboratory reporting limits, see laboratory analytical report for values.								
TPH-G = TPH as Gasoline - analyzed using Method NWTPH-GX								
BTEX Compounds - analyzed using EPA Method 8021								
Lead - analyzed using Method EPA 6020								
Bold results are above MTCA Method A Cleanup Levels								
^a MTCA Method B Cleanup levels were calculated for Total TPH using Ecology's Workbook Tools. Clark Values are shown for BTEX compounds								
^b Total TPH MTCA Method B Cleanup Level								

TABLE 2
GROUNDWATER ELEVATION MEASUREMENTS
NATURAL ATTENUATION PARAMETERS

Miller's Market
3152 Washington Way
Longview, Washington

Well I.D. (TOC)	Sample Date	TOC (feet)	Depth to Groundwater (feet)	Groundwater Elevation (feet)	Dissolved Oxygen (mg/L)	pH (0 to 14 units)	Conductivity (uS)	ORP (mV)	Temp. (Celsius)
MW-1	11/17/03	49.37	5.36	44.01	--	--	--	--	--
MW-1	03/15/04	49.37	5.49	43.88	--	--	--	--	--
MW-1	06/17/04	49.37	5.15	44.22	--	--	--	--	--
MW-1	09/15/04	49.37	5.31	44.06	--	--	--	--	--
MW-1	12/16/04	49.37	4.99	44.38	--	--	--	--	--
MW-1	03/18/05	49.37	5.48	43.89	--	--	--	--	--
MW-1	06/14/05	49.37	5.33	44.04	--	--	--	--	--
MW-1	09/26/05	49.37	6.12	43.25	--	--	--	--	--
MW-1	11/28/05	49.37	4.80	44.57	--	--	--	--	--
MW-1	03/22/06	49.37	4.96	44.41	--	--	--	--	--
MW-1	06/27/06	49.37	4.90	44.47	--	--	--	--	--
MW-1	09/22/06	49.37	4.64	44.73	--	--	--	--	--
MW-1	12/05/06	49.37	4.87	44.50	--	--	--	--	--
MW-1	03/13/07	49.37	5.00	44.37	--	--	--	--	--
MW-1	06/04/07	49.37	5.23	44.14	--	--	--	--	--
MW-1	09/10/07	49.37	5.95	43.42	--	--	--	--	--
MW-1	01/07/08	49.37	4.27	45.10	--	--	--	--	--
MW-1	03/20/08	49.37	4.80	44.57	--	--	--	--	--
MW-1	06/16/08	49.37	4.45	44.92	--	--	--	--	--
MW-1	09/08/08	49.37	5.89	43.48	--	--	--	--	--
MW-1	12/08/08	49.37	5.04	44.33	--	--	--	--	--
MW-1	03/05/09	49.37	4.78	44.59	--	--	--	--	--
MW-1	06/19/09	49.37	4.87	44.50	--	--	--	--	--
MW-1	09/28/09	49.37	6.30	43.07	--	--	--	--	--
MW-1	12/29/09	49.37	5.08	44.29	--	--	--	--	--
MW-1	03/26/10	49.37	5.10	44.27	--	--	--	--	--
MW-1	06/09/10	49.37	4.13	45.24	--	--	--	--	--
MW-1	09/22/10	49.37	5.66	43.71	--	--	--	--	--
MW-1	12/17/10	49.37	4.14	45.23	--	--	--	--	--
MW-1	03/25/11	49.37	4.41	44.96	--	--	--	--	--
MW-1	06/21/11	49.37	4.39	44.98	--	--	--	--	--
MW-1	09/13/11	49.37	5.75	43.62	--	--	--	--	--
MW-1	12/28/11	49.37	4.80	44.57	--	--	--	--	--
MW-1	03/19/12	49.37	3.91	45.46	--	--	--	--	--

**TABLE 2
GROUNDWATER ELEVATION MEASUREMENTS
NATURAL ATTENUATION PARAMETERS**

Miller's Market
3152 Washington Way
Longview, Washington

Well I.D. (TOC)	Sample Date	TOC (feet)	Depth to Groundwater (feet)	Groundwater Elevation (feet)	Dissolved Oxygen (mg/L)	pH (0 to 14 units)	Conductivity (uS)	ORP (mV)	Temp. (Celsius)
MW-1	06/06/12	49.37	4.37	45.00	--	--	--	--	--
MW-1	09/17/12	49.37	5.73	43.64	--	--	--	--	--
MW-1*	11/29/12	49.38	4.73	44.65	--	--	--	--	--
MW-1	12/21/12	49.38	4.05	45.33	--	--	--	--	--
MW-1	03/27/13	49.38	5.22	44.16	--	--	--	--	--
MW-1	06/24/13	49.38	4.65	44.73	--	--	--	--	--
MW-1	10/30/13	49.38	5.61	43.77	--	--	--	--	--
MW-1	12/20/13	49.38	6.50	42.88	0.91	6.05	306	--	14.38
MW-1	03/12/14	49.38	4.50	44.88	--	--	--	--	--
MW-1	06/16/14	49.38	4.86	44.52	--	--	--	--	--
MW-1	09/11/14	49.38	6.11	43.27	--	--	--	--	--
MW-1	12/17/14	49.38	4.80	44.58	--	--	--	--	--
MW-1	03/16/15	49.38	4.60	44.78	--	--	--	--	--
MW-1	05/13/15	49.38	5.32	44.06	--	--	--	--	--
MW-1	08/13/15	49.38	5.87	43.51	--	--	--	--	--
MW-1	10/04/17	49.38	5.80	43.58	--	--	--	--	--

TABLE 2
GROUNDWATER ELEVATION MEASUREMENTS
NATURAL ATTENUATION PARAMETERS

Miller's Market
3152 Washington Way
Longview, Washington

Well I.D. (TOC)	Sample Date	TOC (feet)	Depth to Groundwater (feet)	Groundwater Elevation (feet)	Dissolved Oxygen (mg/L)	pH (0 to 14 units)	Conductivity (uS)	ORP (mV)	Temp. (Celsius)
MW-2	11/17/03	48.36	4.45	43.91	--	--	--	--	--
MW-2	03/15/04	48.36	4.47	43.89	--	--	--	--	--
MW-2	06/17/04	48.36	4.20	44.16	--	--	--	--	--
MW-2	09/15/04	48.36	4.31	44.05	--	--	--	--	--
MW-2	12/16/04	48.36	4.02	44.34	--	--	--	--	--
MW-2	03/18/05	48.36	4.47	43.89	--	--	--	--	--
MW-2	06/14/05	48.36	4.36	44.00	--	--	--	--	--
MW-2	09/26/05	48.36	5.15	43.21	--	--	--	--	--
MW-2	11/28/05	48.36	3.84	44.52	--	--	--	--	--
MW-2	03/22/06	48.36	4.01	44.35	--	--	--	--	--
MW-2	06/27/06	48.36	3.85	44.51	--	--	--	--	--
MW-2	09/22/06	48.36	4.59	43.77	--	--	--	--	--
MW-2	12/05/06	48.36	3.91	44.45	--	--	--	--	--
MW-2	03/13/07	48.36	NG	48.36	--	--	--	--	--
MW-2	06/04/07	48.36	4.21	44.15	--	--	--	--	--
MW-2	09/10/07	48.36	4.98	43.38	--	--	--	--	--
MW-2	01/07/08	48.36	3.25	45.11	--	--	--	--	--
MW-2	03/20/08	48.36	3.80	44.56	--	--	--	--	--
MW-2	06/16/08	48.36	3.56	44.80	--	--	--	--	--
MW-2	09/08/08	48.36	4.41	43.95	--	--	--	--	--
MW-2	12/08/08	48.36	4.08	44.28	--	--	--	--	--
MW-2	03/05/09	48.36	3.79	44.57	--	--	--	--	--
MW-2	06/19/09	48.36	3.96	44.40	--	--	--	--	--
MW-2	09/28/09	48.36	5.11	43.25	--	--	--	--	--
MW-2	12/29/09	48.36	4.15	44.21	--	--	--	--	--
MW-2	03/26/10	48.36	4.21	44.15	--	--	--	--	--
MW-2	06/09/10	48.36	3.17	45.19	--	--	--	--	--
MW-2	09/22/10	48.36	4.64	43.72	--	--	--	--	--
MW-2	12/17/10	48.36	3.25	45.11	--	--	--	--	--
MW-2	03/25/11	48.36	3.37	44.99	--	--	--	--	--
MW-2	06/21/11	48.36	3.42	44.94	--	--	--	--	--
MW-2	09/13/11	48.36	4.78	43.58	--	--	--	--	--
MW-2	12/28/11	48.36	3.62	44.74	--	--	--	--	--
MW-2	03/19/12	48.36	2.93	45.43	--	--	--	--	--

TABLE 2
GROUNDWATER ELEVATION MEASUREMENTS
NATURAL ATTENUATION PARAMETERS

Miller's Market
3152 Washington Way
Longview, Washington

Well I.D. (TOC)	Sample Date	TOC (feet)	Depth to Groundwater (feet)	Groundwater Elevation (feet)	Dissolved Oxygen (mg/L)	pH (0 to 14 units)	Conductivity (uS)	ORP (mV)	Temp. (Celsius)
MW-2	06/08/12	48.36	3.44	44.92	--	--	--	--	--
MW-2	09/17/12	48.36	--	--	--	--	--	--	--
MW-2	12/21/12	48.36	3.13	45.23	--	--	--	--	--
MW-2	03/27/13	48.36	4.20	44.16	--	--	--	--	--
MW-2	06/24/13	48.36	3.77	44.59	--	--	--	--	--
MW-2	10/30/13	48.36	--	--	--	--	--	--	--

**TABLE 2
GROUNDWATER ELEVATION MEASUREMENTS
NATURAL ATTENUATION PARAMETERS**

Miller's Market
3152 Washington Way
Longview, Washington

Well I.D. (TOC)	Sample Date	TOC (feet)	Depth to Groundwater (feet)	Groundwater Elevation (feet)	Dissolved Oxygen (mg/L)	pH (0 to 14 units)	Conductivity (uS)	ORP (mV)	Temp. (Celsius)
MW-2	12/20/13	48.36	5.63	42.73	0.46	6.28	155	--	12.47
MW-3	11/17/03	49.20	5.34	43.86	--	--	--	--	--
MW-3	03/15/04	49.20	5.24	43.96	--	--	--	--	--
MW-3	06/17/04	49.20	5.48	43.72	--	--	--	--	--
MW-3	09/15/04	49.20	5.55	43.65	--	--	--	--	--
MW-3	12/16/04	49.20	5.12	44.08	--	--	--	--	--
MW-3	03/18/05	49.20	5.61	43.59	--	--	--	--	--
MW-3	06/14/05	49.20	5.26	43.94	--	--	--	--	--
MW-3	09/26/05	49.20	6.02	43.18	--	--	--	--	--
MW-3	11/28/05	49.20	5.01	44.19	--	--	--	--	--
MW-3	03/22/06	49.20	4.85	44.35	--	--	--	--	--
MW-3	06/27/06	49.20	4.86	44.34	--	--	--	--	--
MW-3	09/22/06	49.20	5.50	43.70	--	--	--	--	--
MW-3	12/05/06	49.20	4.90	44.30	--	--	--	--	--
MW-3	03/13/07	49.20	5.06	44.14	--	--	--	--	--
MW-3	06/04/07	49.20	5.36	43.84	--	--	--	--	--
MW-3	09/10/07	49.20	5.90	43.30	--	--	--	--	--
MW-3	01/07/08	49.20	4.42	44.78	--	--	--	--	--
MW-3	03/20/08	49.20	4.90	44.30	--	--	--	--	--
MW-3	06/16/08	49.20	4.47	44.73	--	--	--	--	--
MW-3	09/08/08	49.20	5.72	43.48	--	--	--	--	--
MW-3	12/08/08	49.20	5.10	44.10	--	--	--	--	--
MW-3	03/05/09	49.20	4.16	45.04	--	--	--	--	--
MW-3	06/19/09	49.20	5.74	43.46	--	--	--	--	--
MW-3	09/28/09	49.20	6.13	43.07	--	--	--	--	--
MW-3	12/29/09	49.20	5.27	43.93	--	--	--	--	--
MW-3	03/26/10	49.20	5.03	44.17	--	--	--	--	--
MW-3	06/09/10	49.20	4.12	45.08	--	--	--	--	--
MW-3	09/22/10	49.20	5.67	43.53	--	--	--	--	--
MW-3	12/17/10	49.20	4.10	45.10	--	--	--	--	--
MW-3	03/25/11	49.20	4.30	44.90	--	--	--	--	--
MW-3	06/21/11	49.20	5.07	44.13	--	--	--	--	--
MW-3	09/13/11	49.20	5.71	43.49	--	--	--	--	--
MW-3	12/28/11	49.20	4.90	44.30	--	--	--	--	--

TABLE 2
GROUNDWATER ELEVATION MEASUREMENTS
NATURAL ATTENUATION PARAMETERS

Miller's Market
3152 Washington Way
Longview, Washington

Well I.D. (TOC)	Sample Date	TOC (feet)	Depth to Groundwater (feet)	Groundwater Elevation (feet)	Dissolved Oxygen (mg/L)	pH (0 to 14 units)	Conductivity (uS)	ORP (mV)	Temp. (Celsius)
MW-3	03/19/12	49.20	3.92	45.28	--	--	--	--	--
MW-3	04/12/12	49.20	4.19	45.01	--	--	--	--	--
MW-3	06/08/12	49.20	4.43	44.77	--	--	--	--	--
MW-3	09/17/12	49.20	5.63	43.57	--	--	--	--	--
MW-3	10/01/12	49.20	5.87	43.33	--	--	--	--	--
MW-3	10/25/12	49.20	5.58	43.62	--	--	--	--	--
MW-3	11/29/12	49.20	4.68	44.52	--	--	--	--	--
MW-3	12/21/12	49.20	3.13	46.07	--	--	--	--	--
MW-3	02/19/13	49.20	5.33	43.87	--	--	--	--	--
MW-3	03/27/13	49.20	5.19	44.01	--	--	--	--	--
MW-3	04/24/13	49.20	4.95	44.25	--	--	--	--	--
MW-3	05/30/13	49.20	4.46	44.74	--	--	--	--	--
MW-3	06/24/13	49.20	4.79	44.41	--	--	--	--	--
MW-3	07/31/13	49.20	5.75	43.45	--	--	--	--	--
MW-3	08/28/13	49.20	5.76	43.44	--	--	--	--	--
MW-3	09/20/13	49.20	5.20	44.00	--	--	--	--	--
MW-3	10/30/13	49.20	5.40	43.80	--	--	--	--	--
MW-3	11/26/13	49.20	7.51	41.69	--	6.56	646	--	16.5
MW-3	12/20/13	49.20	6.56	42.64	0.34	5.09	1392	--	12.96
MW-3	03/12/14	49.20	4.49	44.71	1.81	6.52	151.7	--	13.9
MW-3	06/16/14	49.20	4.85	44.35	2.84	6.24	814	-66.5	15.97
MW-3	09/11/14	49.20	6.04	43.16	0.39	6.17	572	-106.1	17.05
MW-3	12/17/14	49.20	4.70	44.50	0.80	6.94	457	-168.1	14.20
MW-3	03/16/15	49.20	4.62	44.58	0.50	6.50	334	-72.0	13.30
MW-3	05/13/15	49.20	5.27	43.93	--	6.36	102.1	--	15.9
MW-3	08/13/15	49.20	5.76	43.44	--	6.20	273	-24.0	18.26
MW-3	10/04/17	49.20	5.73	43.47	--	--	--	--	--

TABLE 2
GROUNDWATER ELEVATION MEASUREMENTS
NATURAL ATTENUATION PARAMETERS

Miller's Market
3152 Washington Way
Longview, Washington

Well I.D. (TOC)	Sample Date	TOC (feet)	Depth to Groundwater (feet)	Groundwater Elevation (feet)	Dissolved Oxygen (mg/L)	pH (0 to 14 units)	Conductivity (uS)	ORP (mV)	Temp. (Celsius)
MW-4	11/28/05	48.38	4.52	43.86	--	--	--	--	--
MW-4	03/22/06	48.38	4.44	43.94	--	--	--	--	--
MW-4	06/27/06	48.38	4.30	44.08	--	--	--	--	--
MW-4	09/22/06	48.38	4.64	43.74	--	--	--	--	--
MW-4	12/05/06	48.38	4.01	44.37	--	--	--	--	--
MW-4	03/13/07	48.38	4.23	44.15	--	--	--	--	--
MW-4	06/04/07	48.38	4.41	43.97	--	--	--	--	--
MW-4	09/10/07	48.38	5.06	43.32	--	--	--	--	--
MW-4	01/07/08	48.38	3.23	45.15	--	--	--	--	--
MW-4	03/20/08	48.38	3.78	44.60	--	--	--	--	--
MW-4	06/16/08	48.38	3.79	44.59	--	--	--	--	--
MW-4	09/08/08	48.38	4.93	43.45	--	--	--	--	--
MW-4	12/08/08	48.38	4.40	43.98	--	--	--	--	--
MW-4	03/05/09	48.38	4.35	44.03	--	--	--	--	--
MW-4	06/19/09	48.38	4.29	44.09	--	--	--	--	--
MW-4	09/28/09	48.38	5.26	43.12	--	--	--	--	--
MW-4	12/29/09	48.38	4.56	43.82	--	--	--	--	--
MW-4	03/26/10	48.38	4.59	43.79	--	--	--	--	--
MW-4	06/09/10	48.38	3.49	44.89	--	--	--	--	--
MW-4	09/22/10	48.38	4.71	43.67	--	--	--	--	--
MW-4	12/17/10	48.38	3.38	45.00	--	--	--	--	--
MW-4	03/25/11	48.38	3.78	44.60	--	--	--	--	--
MW-4	06/21/11	48.38	3.66	44.72	--	--	--	--	--
MW-4	09/13/11	48.38	4.95	43.43	--	--	--	--	--
MW-4	12/28/11	48.38	3.75	44.63	--	--	--	--	--
MW-4	03/19/12	48.38	3.46	44.92	--	--	--	--	--
MW-4	06/06/12	48.38	3.90	44.48	--	--	--	--	--
MW-4	09/17/12	48.38	4.89	43.49	--	--	--	--	--
MW-4*	11/29/12	48.40	4.06	44.34	--	--	--	--	--
MW-4	12/21/12	48.40	3.41	44.99	--	--	--	--	--
MW-4	03/27/13	48.40	4.76	43.64	--	--	--	--	--
MW-4	06/24/13	48.40	4.22	44.18	--	--	--	--	--
MW-4	10/30/13	48.40	4.75	43.65	--	--	--	--	--
MW-4	12/20/13	48.40	5.82	42.58	0.91	5.99	386	--	14.04

TABLE 2
GROUNDWATER ELEVATION MEASUREMENTS
NATURAL ATTENUATION PARAMETERS

Miller's Market
3152 Washington Way
Longview, Washington

Well I.D. (TOC)	Sample Date	TOC (feet)	Depth to Groundwater (feet)	Groundwater Elevation (feet)	Dissolved Oxygen (mg/L)	pH (0 to 14 units)	Conductivity (uS)	ORP (mV)	Temp. (Celsius)
MW-4	03/12/14	48.40	4.47	43.93	--	--	--	--	--
MW-4	06/16/14	48.40	4.55	43.85	--	--	--	--	--
MW-4	09/11/14	48.40	5.45	42.95	--	--	--	--	--
MW-4	12/17/14	48.40	4.22	44.18	--	--	--	--	--
MW-4	03/16/15	48.40	4.31	44.09	--	--	--	--	--
MW-4	05/13/15	48.40	4.86	43.54	--	--	--	--	--
MW-4	08/13/15	48.40	5.28	43.12	--	--	--	--	--
MW-4	10/04/17	48.40	5.35	43.05	--	--	--	--	--

TABLE 2
GROUNDWATER ELEVATION MEASUREMENTS
NATURAL ATTENUATION PARAMETERS

Miller's Market
3152 Washington Way
Longview, Washington

Well I.D. (TOC)	Sample Date	TOC (feet)	Depth to Groundwater (feet)	Groundwater Elevation (feet)	Dissolved Oxygen (mg/L)	pH (0 to 14 units)	Conductivity (uS)	ORP (mV)	Temp. (Celsius)
MW-5	11/28/05 ¹	48.62	4.30	44.32	--	--	--	--	--
MW-5	03/22/06	48.62	4.42	44.20	--	--	--	--	--
MW-5	06/27/06	48.62	4.32	44.30	--	--	--	--	--
MW-5	09/22/06	48.62	4.94	43.68	--	--	--	--	--
MW-5	12/05/06	48.62	4.20	44.42	--	--	--	--	--
MW-5	03/13/07	48.62	4.42	44.20	--	--	--	--	--
MW-5	06/04/07	48.62	4.67	43.95	--	--	--	--	--
MW-5	09/10/07	48.62	5.23	43.39	--	--	--	--	--
MW-5	01/07/08	48.62	3.52	45.10	--	--	--	--	--
MW-5	03/20/08	48.62	4.06	44.56	--	--	--	--	--
MW-5	06/16/08	48.62	3.80	44.82	--	--	--	--	--
MW-5	09/08/08	48.62	5.08	43.54	--	--	--	--	--
MW-5	12/08/08	48.62	4.63	43.99	--	--	--	--	--
MW-5	03/05/09	48.62	4.39	44.23	--	--	--	--	--
MW-5	06/19/09	48.62	4.43	44.19	--	--	--	--	--
MW-5	09/28/09	48.62	5.14	43.48	--	--	--	--	--
MW-5	12/29/09	48.62	4.61	44.01	--	--	--	--	--
MW-5	03/26/10	48.62	4.77	43.85	--	--	--	--	--
MW-5	06/09/10	48.62	3.61	45.01	--	--	--	--	--
MW-5	09/22/10	48.62	4.94	43.68	--	--	--	--	--
MW-5	12/17/10	48.62	3.61	45.01	--	--	--	--	--
MW-5	03/25/11	48.62	3.85	44.77	--	--	--	--	--
MW-5	06/21/11	48.62	3.82	44.80	--	--	--	--	--
MW-5	09/13/11	48.62	5.23	43.39	--	--	--	--	--
MW-5	12/28/11	48.62	4.43	44.19	--	--	--	--	--
MW-5	03/19/12	48.62	3.31	45.31	--	--	--	--	--
MW-5	04/12/12	48.62	3.50	45.12	--	--	--	--	--
MW-5	06/06/12	48.62	4.00	44.62	--	--	--	--	--
MW-5	09/17/12	48.62	5.19	43.43	--	--	--	--	--
MW-5*	10/01/12	48.63	5.28	43.35	--	--	--	--	--
MW-5	10/25/12	48.63	4.83	43.80	--	--	--	--	--
MW-5	11/29/12	48.63	4.04	44.59	--	--	--	--	--
MW-5	12/21/12	48.63	4.05	44.58	--	--	--	--	--
MW-5	02/19/13	48.63	4.86	43.77	--	--	--	--	--

**TABLE 2
GROUNDWATER ELEVATION MEASUREMENTS
NATURAL ATTENUATION PARAMETERS**

Miller's Market
3152 Washington Way
Longview, Washington

Well I.D. (TOC)	Sample Date	TOC (feet)	Depth to Groundwater (feet)	Groundwater Elevation (feet)	Dissolved Oxygen (mg/L)	pH (0 to 14 units)	Conductivity (uS)	ORP (mV)	Temp. (Celsius)
MW-5	03/27/13	48.63	4.65	43.98	--	--	--	--	--
MW-5	04/24/13	48.63	4.42	44.21	--	--	--	--	--
MW-5	05/30/13	48.63	3.97	44.66	--	--	--	--	--
MW-5	06/24/13	48.63	4.55	44.08	--	--	--	--	--
MW-5	07/31/13	48.63	5.16	43.47	--	--	--	--	--
MW-5	08/28/13	48.63	5.18	43.45	--	--	--	--	--
MW-5	09/20/13	48.63	4.92	43.71	--	--	--	--	--
MW-5	10/30/13	48.63	4.95	43.68	--	--	--	--	--
MW-5	11/26/13	48.63	6.54	42.09	--	6.67	107.1	--	18.1
MW-5	12/20/13	48.63	5.93	42.70	0.34	6.20	104	--	13.67
MW-5	06/16/14	48.63	4.34	44.29	--	--	--	--	--
MW-5	03/12/14	48.63	3.83	44.80	--	--	--	--	--
MW-5	09/11/14	48.63	6.06	42.57	--	--	--	--	--
MW-5	12/17/14	48.63	4.13	44.50	--	--	--	--	--
MW-5	03/16/15	48.63	4.33	44.30	--	--	--	--	--
MW-5	05/13/15	48.63	4.85	43.78	--	--	--	--	--
MW-5	08/13/15	48.63	5.21	43.42	--	--	--	--	--
MW-5	10/04/17	48.63	5.21	43.42	--	--	--	--	--

TABLE 2
GROUNDWATER ELEVATION MEASUREMENTS
NATURAL ATTENUATION PARAMETERS

Miller's Market
3152 Washington Way
Longview, Washington

Well I.D. (TOC)	Sample Date	TOC (feet)	Depth to Groundwater (feet)	Groundwater Elevation (feet)	Dissolved Oxygen (mg/L)	pH (0 to 14 units)	Conductivity (uS)	ORP (mV)	Temp. (Celsius)
MW-6	11/28/05	48.99	4.86	44.13	--	--	--	--	--
MW-6	03/22/06	48.99	4.69	44.30	--	--	--	--	--
MW-6	06/27/06	48.99	5.36	43.63	--	--	--	--	--
MW-6	09/22/06	48.99	5.16	43.83	--	--	--	--	--
MW-6	12/05/06	48.99	4.79	44.20	--	--	--	--	--
MW-6	03/13/07	48.99	4.75	44.24	--	--	--	--	--
MW-6	06/04/07	48.99	5.19	43.80	--	--	--	--	--
MW-6	09/10/07	48.99	5.47	43.52	--	--	--	--	--
MW-6	01/07/08	48.99	4.93	44.06	--	--	--	--	--
MW-6	03/20/08	48.99	4.86	44.13	--	--	--	--	--
MW-6	06/16/08	48.99	4.38	44.61	--	--	--	--	--
MW-6	09/08/08	48.99	5.17	43.82	--	--	--	--	--
MW-6	12/08/08	48.99	5.12	43.87	--	--	--	--	--
MW-6	03/05/09	48.99	4.75	44.24	--	--	--	--	--
MW-6	06/19/09	48.99	5.80	43.19	--	--	--	--	--
MW-6	09/28/09	48.99	5.28	43.71	--	--	--	--	--
MW-6	12/29/09	48.99	5.26	43.73	--	--	--	--	--
MW-6	03/26/10	48.99	4.84	44.15	--	--	--	--	--
MW-6	06/09/10	48.99	3.94	45.05	--	--	--	--	--
MW-6	09/22/10	48.99	5.07	43.92	--	--	--	--	--
MW-6	12/17/10	48.99	3.97	45.02	--	--	--	--	--
MW-6	03/25/11	48.99	4.45	44.54	--	--	--	--	--
MW-6	06/21/11	48.99	4.23	44.76	--	--	--	--	--
MW-6	09/13/11	48.99	5.51	43.48	--	--	--	--	--
MW-6	12/28/11	48.99	5.30	43.69	--	--	--	--	--
MW-6	03/19/12	48.99	3.91	45.08	--	--	--	--	--
MW-6	04/12/12	48.99	4.65	44.34	--	--	--	--	--
MW-6	06/06/12	48.99	5.04	43.95	--	--	--	--	--
MW-6	09/17/12	48.99	5.50	43.49	--	--	--	--	--
MW-6*	10/01/12	49.00	5.75	43.25	--	--	--	--	--
MW-6	10/25/12	49.00	5.76	43.24	--	--	--	--	--
MW-6	11/29/12	49.00	4.87	44.13	--	--	--	--	--
MW-6	12/21/12	49.00	2.14	46.86	--	--	--	--	--
MW-6	02/19/13	49.00	5.60	43.40	--	--	--	--	--

TABLE 2
GROUNDWATER ELEVATION MEASUREMENTS
NATURAL ATTENUATION PARAMETERS

Miller's Market
3152 Washington Way
Longview, Washington

Well I.D. (TOC)	Sample Date	TOC (feet)	Depth to Groundwater (feet)	Groundwater Elevation (feet)	Dissolved Oxygen (mg/L)	pH (0 to 14 units)	Conductivity (uS)	ORP (mV)	Temp. (Celsius)
MW-6	03/27/13	49.00	5.21	43.79	--	--	--	--	--
MW-6	04/24/13	49.00	5.83	43.17	--	--	--	--	--
MW-6	05/30/13	49.00	4.55	44.45	--	--	--	--	--
MW-6	06/24/13	49.00	4.90	44.10	--	--	--	--	--
MW-6	07/31/13	49.00	5.82	43.18	--	--	--	--	--
MW-6	08/28/13	49.00	6.10	42.90	--	--	--	--	--
MW-6	09/20/13	49.00	6.15	42.85	--	--	--	--	--
MW-6	10/30/13	49.00	5.65	43.35	--	--	--	--	--
MW-6	11/26/13	49.00	7.50	41.50	--	6.67	110.1	--	16.2
MW-6	12/20/13	49.00	6.70	42.30	0.12	6.31	182	--	12.84
MW-6	03/12/14	49.00	5.78	43.22	0.85	6.55	100.1	--	14.0
MW-6	06/16/14	49.00	5.75	43.25	6.99	5.26	285	-27.9	15.07
MW-6	09/11/14	49.00	6.14	42.86	0.77	5.97	241	-60.4	17.42
MW-6	12/17/14	49.00	5.77	43.23	2.13	6.94	213	-118.7	13.79
MW-6	03/16/15	49.00	4.79	44.21	1.14	6.55	214	-70.9	11.83
MW-6	05/13/15	49.00	5.15	43.85	--	6.23	82.1	--	15.6
MW-6	08/13/15	49.00	5.77	43.23	0.21	6.37	194	-57.9	17.42
MW-6	10/04/17	49.00	5.54	43.46	--	--	--	--	--

**TABLE 2
GROUNDWATER ELEVATION MEASUREMENTS
NATURAL ATTENUATION PARAMETERS**

Miller's Market
3152 Washington Way
Longview, Washington

Well I.D. (TOC)	Sample Date	TOC (feet)	Depth to Groundwater (feet)	Groundwater Elevation (feet)	Dissolved Oxygen (mg/L)	pH (0 to 14 units)	Conductivity (uS)	ORP (mV)	Temp. (Celsius)
MW-7	11/28/05	49.07	4.16	44.91	--	--	--	--	--
MW-7	03/22/06	49.07	3.59	45.48	--	--	--	--	--
MW-7	06/27/06	49.07	3.77	45.30	--	--	--	--	--
MW-7	09/22/06	49.07	4.84	44.23	--	--	--	--	--
MW-7	12/05/06	49.07	3.35	45.72	--	--	--	--	--
MW-7	03/13/07	49.07	3.54	45.53	--	--	--	--	--
MW-7	06/04/07	49.07	4.23	44.84	--	--	--	--	--
MW-7	09/10/07	49.07	4.90	44.17	--	--	--	--	--
MW-7	01/07/08	49.07	3.39	45.68	--	--	--	--	--
MW-7	03/20/08	49.07	3.83	45.24	--	--	--	--	--
MW-7	06/16/08	49.07	3.66	45.41	--	--	--	--	--
MW-7	09/08/08	49.07	4.10	44.97	--	--	--	--	--
MW-7	12/08/08	49.07	4.21	44.86	--	--	--	--	--
MW-7	03/05/09	49.07	3.80	45.27	--	--	--	--	--
MW-7	06/19/09	49.07	3.84	45.23	--	--	--	--	--
MW-7	09/28/09	49.07	4.95	44.12	--	--	--	--	--
MW-7	12/29/09	49.07	4.02	45.05	--	--	--	--	--
MW-7	03/26/10	49.07	3.89	45.18	--	--	--	--	--
MW-7	06/09/10	49.07	3.19	45.88	--	--	--	--	--
MW-7	09/22/10	49.07	4.45	44.62	--	--	--	--	--
MW-7	12/17/10	49.07	3.41	45.66	--	--	--	--	--
MW-7	03/25/11	49.07	2.92	46.15	--	--	--	--	--
MW-7	06/21/11	49.07	3.10	45.97	--	--	--	--	--
MW-7	09/13/11	49.07	4.46	44.61	--	--	--	--	--
MW-7	12/28/11	49.07	4.18	44.89	--	--	--	--	--
MW-7	03/19/12	49.07	2.84	46.23	--	--	--	--	--
MW-7	04/12/12	49.07	2.47	46.60	--	--	--	--	--
MW-7	06/06/12	49.07	2.71	46.36	--	--	--	--	--
MW-7	09/17/12	49.07	4.35	44.72	--	--	--	--	--
MW-7*	10/01/12	49.04	4.61	44.43	--	--	--	--	--
MW-7	10/25/12	49.04	4.35	44.69	--	--	--	--	--
MW-7	11/29/12	49.04	3.22	45.82	--	--	--	--	--
MW-7	12/21/12	49.04	2.45	46.59	--	--	--	--	--
MW-7	02/19/13	49.04	3.40	45.64	--	--	--	--	--

TABLE 2
GROUNDWATER ELEVATION MEASUREMENTS
NATURAL ATTENUATION PARAMETERS

Miller's Market
3152 Washington Way
Longview, Washington

Well I.D. (TOC)	Sample Date	TOC (feet)	Depth to Groundwater (feet)	Groundwater Elevation (feet)	Dissolved Oxygen (mg/L)	pH (0 to 14 units)	Conductivity (uS)	ORP (mV)	Temp. (Celsius)
MW-7	03/27/13	49.04	3.46	45.58	--	--	--	--	--
MW-7	04/24/13	49.04	3.20	45.84	--	--	--	--	--
MW-7	05/30/13	49.04	3.26	45.78	--	--	--	--	--
MW-7	06/24/13	49.04	3.57	45.47	--	--	--	--	--
MW-7	07/31/13	49.04	4.19	44.85	--	--	--	--	--
MW-7	08/28/13	49.04	4.60	44.44	--	--	--	--	--
MW-7	09/20/13	49.04	4.52	44.52	--	--	--	--	--
MW-7	10/30/13	49.04	4.12	44.92	--	--	--	--	--
MW-7	11/26/13	49.04	4.46	44.58	--	7.16	615	--	16.8
MW-7	12/20/13	49.04	4.80	44.24	0.72	6.61	763	--	12.10
MW-7	03/12/14	49.04	4.25	44.79	1.13	7.21	174.2	--	14.2
MW-7	06/16/14	49.04	4.33	44.71	1.17	6.34	707	-56.9	15.73
MW-7	09/11/14	49.04	5.97	43.07	0.49	6.82	400	-147.9	19.04
MW-7	12/17/14	49.04	4.03	45.01	0.56	7.23	675	-173.7	15.02
MW-7	03/16/15	49.04	3.59	45.45	0.41	6.95	382	-31.1	11.96
MW-7	05/13/15	49.04	4.05	44.99	--	6.90	132.3	--	16.1
MW-7	08/13/15	49.04	5.05	43.99	0.84	7.11	350	-92.9	20.48
MW-7	10/04/17	49.04	4.81	44.23	--	--	--	--	--

TABLE 2
GROUNDWATER ELEVATION MEASUREMENTS
NATURAL ATTENUATION PARAMETERS

Miller's Market
3152 Washington Way
Longview, Washington

Well I.D. (TOC)	Sample Date	TOC (feet)	Depth to Groundwater (feet)	Groundwater Elevation (feet)	Dissolved Oxygen (mg/L)	pH (0 to 14 units)	Conductivity (uS)	ORP (mV)	Temp. (Celsius)
MW-8	11/28/05	48.55	3.62	44.93	--	--	--	--	--
MW-8	03/22/06	48.55	3.11	45.44	--	--	--	--	--
MW-8	06/27/06	48.55	3.25	45.30	--	--	--	--	--
MW-8	09/22/06	48.55	4.30	44.25	--	--	--	--	--
MW-8	12/05/06	48.55	2.80	45.75	--	--	--	--	--
MW-8	03/13/07	48.55	3.01	45.54	--	--	--	--	--
MW-8	06/04/07	48.55	3.71	44.84	--	--	--	--	--
MW-8	09/10/07	48.55	4.38	44.17	--	--	--	--	--
MW-8	01/07/08	48.55	3.76	44.79	--	--	--	--	--
MW-8	03/20/08	48.55	3.29	45.26	--	--	--	--	--
MW-8	06/16/08	48.55	3.13	45.42	--	--	--	--	--
MW-8	09/08/08	48.55	3.80	44.75	--	--	--	--	--
MW-8	12/08/08	48.55	3.68	44.87	--	--	--	--	--
MW-8	03/05/09	48.55	3.37	45.18	--	--	--	--	--
MW-8	06/19/09	48.55	3.39	45.16	--	--	--	--	--
MW-8	09/28/09	48.55	4.42	44.13	--	--	--	--	--
MW-8	12/29/09	48.55	3.46	45.09	--	--	--	--	--
MW-8	03/26/10	48.55	3.35	45.20	--	--	--	--	--
MW-8	06/09/10	48.55	2.63	45.92	--	--	--	--	--
MW-8	09/22/10	48.55	3.90	44.65	--	--	--	--	--
MW-8	12/17/10	48.55	2.91	45.64	--	--	--	--	--
MW-8	03/25/11	48.55	2.40	46.15	--	--	--	--	--
MW-8	06/21/11	48.55	2.60	45.95	--	--	--	--	--
MW-8	09/13/11	48.55	3.95	44.60	--	--	--	--	--
MW-8	12/28/11	48.55	3.67	44.88	--	--	--	--	--
MW-8	03/19/12	48.55	2.32	46.23	--	--	--	--	--
MW-8	06/06/12	48.55	2.12	46.43	--	--	--	--	--
MW-8	09/17/12	48.55	3.85	44.70	--	--	--	--	--
MW-8*	11/29/12	48.53	2.73	45.80	--	--	--	--	--
MW-8	12/21/12	48.53	1.93	46.60	--	--	--	--	--
MW-8	03/27/13	48.53	2.93	45.60	--	--	--	--	--
MW-8	06/24/13	48.53	3.07	45.46	--	--	--	--	--
MW-8	10/30/13	48.53	3.62	44.91	--	--	--	--	--
MW-8	12/20/13	48.53	4.29	44.24	0.57	6.99	158	--	12.31

TABLE 2
GROUNDWATER ELEVATION MEASUREMENTS
NATURAL ATTENUATION PARAMETERS

Miller's Market
3152 Washington Way
Longview, Washington

Well I.D. (TOC)	Sample Date	TOC (feet)	Depth to Groundwater (feet)	Groundwater Elevation (feet)	Dissolved Oxygen (mg/L)	pH (0 to 14 units)	Conductivity (uS)	ORP (mV)	Temp. (Celsius)
MW-8	03/12/14	48.53	3.73	44.80	0.69	7.27	116.3	--	13.7
MW-8	06/16/14	48.53	3.83	44.70	2.36	6.86	340	-99.1	17.08
MW-8	09/11/14	48.53	5.45	43.08	0.33	6.60	283	-136.1	18.70
MW-8	12/17/14	48.53	3.54	44.99	0.46	7.32	422	-100.2	14.51
MW-8	03/16/15	48.53	3.09	45.44	1.02	7.09	352	36.7	12.04
MW-8	05/13/15	48.53	3.54	44.99	--	7.02	108.2	--	16.1
MW-8	08/13/15	48.53	4.55	43.98	3.06	6.91	379	-111.7	18.28
MW-8	10/04/17	48.53	5.32	43.21	--	--	--	--	--

**TABLE 2
GROUNDWATER ELEVATION MEASUREMENTS
NATURAL ATTENUATION PARAMETERS**

Miller's Market
3152 Washington Way
Longview, Washington

Well I.D. (TOC)	Sample Date	TOC (feet)	Depth to Groundwater (feet)	Groundwater Elevation (feet)	Dissolved Oxygen (mg/L)	pH (0 to 14 units)	Conductivity (uS)	ORP (mV)	Temp. (Celsius)
MW-9	10/04/17	48.10	4.89	43.21	2.29	7.9	379	-64.0	16.13
MW-10	10/04/17	48.05	5.25	42.80	3.14	7.81	345	-29.1	19.29
MW-11	10/04/17	47.19	4.83	42.36	2.78	7.93	222	-59.2	18.91
RW-1	11/17/03	48.35	4.58	43.77	--	--	--	--	--
RW-1	03/15/04	48.35	4.50	43.85	--	--	--	--	--
RW-1	06/17/04	48.35	4.34	44.01	--	--	--	--	--
RW-1	09/15/04	48.35	4.47	43.88	--	--	--	--	--
RW-1	12/16/04	48.35	3.88	44.47	--	--	--	--	--
RW-1	03/18/05	48.35	4.70	43.65	--	--	--	--	--
RW-1	06/14/05	48.35	4.41	43.94	--	--	--	--	--
RW-1	09/26/05	48.35	5.06	43.29	--	--	--	--	--
RW-1	11/28/05	48.35	4.03	44.32	--	--	--	--	--
RW-1	03/22/06	48.35	4.15	44.20	--	--	--	--	--
RW-1	06/27/06	48.35	4.02	44.33	--	--	--	--	--
RW-1	09/22/06	48.35	4.64	43.71	--	--	--	--	--
RW-1	12/05/06	48.35	3.91	44.44	--	--	--	--	--
RW-1	03/13/07	48.35	4.13	44.22	--	--	--	--	--
RW-1	06/04/07	48.35	4.43	43.92	--	--	--	--	--
RW-1	09/10/07	48.35	4.94	43.41	--	--	--	--	--
RW-1	01/07/08	48.35	3.51	44.84	--	--	--	--	--
RW-1	03/20/08	48.35	3.74	44.61	--	--	--	--	--
RW-1	06/16/08	48.35	3.51	44.84	--	--	--	--	--
RW-1	09/08/08	48.35	4.71	43.64	--	--	--	--	--
RW-1	12/08/08	48.35	4.37	43.98	--	--	--	--	--
RW-1	03/05/09	48.35	4.07	44.28	--	--	--	--	--
RW-1	06/19/09	48.35	4.13	44.22	--	--	--	--	--
RW-1	09/28/09	48.35	4.96	43.39	--	--	--	--	--
RW-1	12/29/09	48.35	4.35	44.00	--	--	--	--	--
RW-1	03/26/10	48.35	4.55	43.80	--	--	--	--	--
RW-1	06/09/10	48.35	3.40	44.95	--	--	--	--	--
RW-1	09/22/10	48.35	4.65	43.70	--	--	--	--	--
RW-1	12/17/10	48.35	3.30	45.05	--	--	--	--	--
RW-1	03/25/11	48.35	3.50	44.85	--	--	--	--	--

**TABLE 2
GROUNDWATER ELEVATION MEASUREMENTS
NATURAL ATTENUATION PARAMETERS**

Miller's Market
3152 Washington Way
Longview, Washington

Well I.D. (TOC)	Sample Date	TOC (feet)	Depth to Groundwater (feet)	Groundwater Elevation (feet)	Dissolved Oxygen (mg/L)	pH (0 to 14 units)	Conductivity (uS)	ORP (mV)	Temp. (Celsius)
RW-1	06/21/11	48.35	3.50	44.85	--	--	--	--	--
RW-1	09/13/11	48.35	4.96	43.39	--	--	--	--	--
RW-1	12/28/11	48.35	4.02	44.33	--	--	--	--	--
RW-1	03/19/12	48.35	2.93	45.42	--	--	--	--	--
RW-1	06/06/12	48.35	3.69	44.66	--	--	--	--	--
RW-1	09/17/12	48.35	4.93	43.42	--	--	--	--	--
RW-1*	11/29/12	48.35	3.72	44.63	--	--	--	--	--
RW-1	12/21/12	48.32	3.15	45.17	--	--	--	--	--
RW-1	03/27/13	48.32	4.40	43.92	--	--	--	--	--
RW-1	06/24/13	48.32	4.29	44.03	--	--	--	--	--
RW-1	10/30/13	48.32	4.73	43.59	--	--	--	--	--
RW-1	12/20/13	48.32	5.45	42.87	0.62	6.06	767	--	10.66
RW-1	03/12/14	48.32	3.52	44.80	--	--	--	--	--
RW-1	06/16/14	48.32	4.03	44.29	--	--	--	--	--
RW-1	09/11/14	48.32	6.23	42.09	--	--	--	--	--
RW-1	12/17/14	48.32	3.81	44.51	--	--	--	--	--
RW-1	03/16/15	48.32	4.03	44.29	--	--	--	--	--
RW-1	05/13/15	48.32	4.55	43.77	--	--	--	--	--
RW-1	08/13/15	48.32	4.96	43.36	--	--	--	--	--
RW-1	10/04/17	48.32	5.02	43.30	--	--	--	--	--

Notes:

(TOC) = top of casing elevation

*TOC re-surveyed relative to MW-3' elevation on 11/29/12

Dissolved Oxygen, pH, Conductivity and Temperature measurements taken with a Y-SI 556 water quality field instrument

**TABLE 3
GROUNDWATER ANALYTICAL RESULTS**

Miller's Market
3152 Washington Way
Longview, Washington

Well I.D. (TOC)	Sample Date	TPH- Gasoline (µg/L)	TPH- Diesel (µg/L)	TPH- Oil (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl- benzene (µg/L)	Xylenes (µg/L)	MTBE (µg/L)	EDC (µg/L)	EDB (µg/L)	Lead (µg/L)	Nitrate (mg/L)	Sulfate (mg/L)
MW-1	11/17/03	ND	-	-	ND(<1)	ND(<1)	ND(<1)	ND(<3)	-	-	-	-	-	-
MW-1	03/15/04	ND	-	-	ND(<1)	ND(<1)	ND(<1)	ND(<3)	ND(<3)	-	-	-	-	-
MW-1	06/17/04	ND(<50)	-	-	ND(<1)	ND(<1)	ND(<1)	ND(<3)	ND(<3)	-	-	-	-	-
MW-1	09/15/04	ND	-	-	ND(<1)	ND(<1)	ND(<1)	ND(<3)	ND(<3)	-	-	-	-	-
MW-1	12/16/04	ND	-	-	ND(<1)	ND(<1)	ND(<1)	ND(<3)	ND(<3)	-	-	-	-	-
MW-1	03/18/05	ND	-	-	ND(<1)	ND(<1)	ND(<1)	ND(<3)	ND(<3)	-	-	-	-	-
MW-1	06/14/05	ND	-	-	ND(<1)	ND(<1)	ND(<1)	ND(<3)	ND(<3)	-	-	-	-	-
MW-1	09/26/05	ND	-	-	ND(<1)	ND(<1)	ND(<1)	ND(<3)	ND(<3)	-	-	-	-	-
MW-1	11/28/05	ND(<50)	ND(<130)	ND(<250)	ND(<1)	ND(<1)	ND(<1)	ND(<3)	ND(<3)	-	-	-	-	-
MW-1	03/22/06	ND(<50)	ND(<130)	ND(<250)	ND(<1)	ND(<1)	ND(<1)	ND(<3)	ND(<2)	-	-	-	-	-
MW-1	06/27/06	ND(<50)	ND(<130)	ND(<250)	ND(<1)	ND(<1)	ND(<1)	ND(<3)	ND(<3)	-	-	-	-	-
MW-1	09/22/06	ND(<50)	ND(<130)	ND(<250)	ND(<1)	ND(<1)	ND(<1)	ND(<3)	ND(<3)	-	-	-	-	-
MW-1	12/05/06	ND(<50)	ND(<130)	ND(<250)	ND(<1)	ND(<1)	ND(<1)	ND(<3)	ND(<3)	-	-	-	-	-
MW-1	03/13/07	ND(<50)	-	-	ND(<1)	ND(<1)	ND(<1)	ND(<3)	ND(<3)	-	-	-	-	-
MW-1	06/04/07	ND(<50)	-	-	ND(<1)	ND(<1)	ND(<1)	ND(<3)	ND(<3)	-	-	-	-	-
MW-1	09/10/07	ND(<50)	-	-	ND(<1)	ND(<1)	ND(<1)	ND(<3)	ND(<3)	-	-	-	-	-
MW-1	01/07/08	ND(<50)	-	-	ND(<1)	ND(<1)	ND(<1)	ND(<3)	ND(<3)	-	-	-	-	-
MW-1	03/20/08	ND(<50)	-	-	ND(<1)	ND(<1)	ND(<1)	ND(<3)	ND(<3)	-	-	-	-	-
MW-1	06/16/08	ND(<50)	-	-	ND(<1)	ND(<1)	ND(<1)	ND(<3)	ND(<3)	-	-	-	-	-
MW-1	09/08/08	ND(<50)	-	-	ND(<1)	ND(<1)	ND(<1)	ND(<3)	ND(<3)	-	-	-	-	-
MW-1	12/08/08	ND(<50)	-	-	ND(<1)	ND(<1)	ND(<1)	ND(<3)	ND(<3)	-	-	-	-	-
MW-1	03/05/09	ND(<50)	-	-	ND(<1)	ND(<1)	ND(<1)	ND(<3)	ND(<3)	-	-	-	-	-
MW-1	06/19/09	ND(<50)	-	-	ND(<1)	ND(<1)	ND(<1)	ND(<3)	ND(<3)	-	-	-	-	-
MW-1	09/28/09	ND(<50)	-	-	ND(<1.0)	ND(<1.0)	ND(<1.0)	ND(<3.0)	ND(<3.0)	-	-	-	-	-
MW-1	12/29/09	ND(<50)	-	-	ND(<1.0)	ND(<1.0)	ND(<1.0)	ND(<3.0)	ND(<1.0)	-	-	-	-	-
MW-1	03/26/10	ND(<50)	-	-	ND(<1.0)	ND(<1.0)	ND(<1.0)	ND(<3.0)	ND(<3.0)	-	-	-	-	-
MW-1	06/09/10	ND(<50)	-	-	ND(<1.0)	ND(<1.0)	ND(<1.0)	ND(<3.0)	ND(<3.0)	-	-	-	-	-
MW-1	09/22/10	ND(<50)	-	-	ND(<1.0)	ND(<1.0)	ND(<1.0)	ND(<3.0)	ND(<3.0)	-	-	-	-	-
MW-1	12/17/10	ND(<50)	-	-	ND(<1.0)	ND(<1.0)	ND(<1.0)	ND(<3.0)	ND(<3.0)	-	-	-	-	-
MW-1	03/25/11	ND(<50)	-	-	ND(<1.0)	ND(<1.0)	ND(<1.0)	ND(<3.0)	ND(<3.0)	-	-	-	-	-
MW-1	06/21/11	ND(<50)	-	-	ND(<1.0)	ND(<1.0)	ND(<1.0)	ND(<3.0)	ND(<3.0)	-	-	-	-	-
MW-1	09/13/11	ND(<50)	-	-	ND(<1.0)	ND(<1.0)	ND(<1.0)	ND(<3.0)	ND(<2.0)	-	-	-	-	-
MW-1	12/28/11	ND(<50)	-	-	ND(<1.0)	ND(<1.0)	ND(<1.0)	ND(<3.0)	ND(<3.0)	-	-	-	-	-
MW-1	03/19/12	ND(<50)	-	-	ND(<1.0)	ND(<1.0)	ND(<1.0)	ND(<3.0)	ND(<3.0)	-	-	-	-	-
MW-1	06/06/12	ND(<50)	-	-	ND(<1.0)	ND(<1.0)	ND(<1.0)	ND(<3.0)	ND(<3.0)	ND(<0.020)	ND(<0.010)	ND(<1.0)	-	-
MW-1	09/17/12	ND(<50)	-	-	ND(<1.0)	ND(<1.0)	ND(<1.0)	ND(<3.0)	ND(<3.0)	ND(<0.020)	ND(<0.010)	ND(<1.0)	-	-

TABLE 3
GROUNDWATER ANALYTICAL RESULTS
 Miller's Market
 3152 Washington Way
 Longview, Washington

Well I.D. (TOC)	Sample Date	TPH- Gasoline (µg/L)	TPH- Diesel (µg/L)	TPH- Oil (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl- benzene (µg/L)	Xylenes (µg/L)	MTBE (µg/L)	EDC (µg/L)	EDB (µg/L)	Lead (µg/L)	Nitrate (mg/L)	Sulfate (mg/L)
MW-1	12/21/12	ND(<50)	-	-	ND(<1.0)	ND(<1.0)	ND(<1.0)	ND(<3.0)	ND(<3.0)	ND(<0.020)	ND(<0.010)	ND(<1.0)	-	-
MW-1	03/27/13	ND(<50)	-	-	ND(<1.0)	ND(<1.0)	ND(<1.0)	ND(<3.0)	ND(<3.0)	-	-	ND(<1.0)	-	-
MW-1	06/24/13	ND(<50)	-	-	ND(<1.0)	ND(<1.0)	ND(<1.0)	ND(<3.0)	ND(<3.0)	-	-	-	-	-
MW-1	10/30/13	ND(<50)	-	-	ND(<1.0)	ND(<1.0)	ND(<1.0)	ND(<3.0)	ND(<3.0)	-	-	-	-	-
MW-1	12/20/13	ND(<50)	-	-	ND(<1.0)	ND(<1.0)	ND(<1.0)	ND(<3.0)	ND(<3.0)	-	-	-	-	-

**TABLE 3
GROUNDWATER ANALYTICAL RESULTS**

Miller's Market
3152 Washington Way
Longview, Washington

Well I.D. (TOC)	Sample Date	TPH- Gasoline (µg/L)	TPH- Diesel (µg/L)	TPH- Oil (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl- benzene (µg/L)	Xylenes (µg/L)	MTBE (µg/L)	EDC (µg/L)	EDB (µg/L)	Lead (µg/L)	Nitrate (mg/L)	Sulfate (mg/L)
MW-2	12/21/12	ND(<50)	-	-	ND(<1.0)	ND(<1.0)	ND(<1.0)	ND(<3.0)	ND(<3.0)	ND(<0.020)	ND(<0.010)	ND(<1.0)	-	-
MW-2	03/27/13	ND(<50)	-	-	ND(<1.0)	ND(<1.0)	ND(<1.0)	ND(<3.0)	ND(<3.0)	-	-	ND(<1.0)	-	-
MW-2	06/24/13	ND(<50)	-	-	ND(<1.0)	ND(<1.0)	ND(<1.0)	ND(<3.0)	ND(<3.0)	-	-	-	-	-
MW-2	10/30/13	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-2	12/20/13	ND(<50)	-	-	ND(<1.0)	ND(<1.0)	ND(<1.0)	ND(<3.0)	ND(<3.0)	-	-	-	-	-

**TABLE 3
GROUNDWATER ANALYTICAL RESULTS**

Miller's Market
3152 Washington Way
Longview, Washington

Well I.D. (TOC)	Sample Date	TPH- Gasoline (µg/L)	TPH- Diesel (µg/L)	TPH- Oil (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl- benzene (µg/L)	Xylenes (µg/L)	MTBE (µg/L)	EDC (µg/L)	EDB (µg/L)	Lead (µg/L)	Nitrate (mg/L)	Sulfate (mg/L)
MW-3	11/17/03	4,900	-	-	100	12	170	250	-	-	-	-	-	-
MW-3	03/15/04	5,000	-	-	92	16	150	130	66	-	-	-	-	-
MW-3	06/17/04	5,900	-	-	78	16	190	120	41	-	-	-	-	-
MW-3	09/15/04	4,400	-	-	15	12	100	71	ND<8	-	-	-	-	-
MW-3	12/16/04	5,500	-	-	96	16	240	170	ND(<15)	-	-	-	-	-
MW-3	03/18/05	5,600	-	-	93	15	220	172	ND(<15)	-	-	-	-	-
MW-3	06/14/05	5,200	-	-	43	15	170	130	ND(<15)	-	-	-	-	-
MW-3	09/26/05	6,000	-	-	41	16	200	120	ND(<30)	-	-	-	-	-
MW-3	11/28/05	5,300	ND(<130)	ND(<250)	81	13	200	160	ND(<30)	-	-	-	-	-
MW-3	03/22/06	1,900	ND(<250)	ND(<250)	45	7	42	29	ND(<2)	-	-	-	-	-
MW-3	06/27/06	1,900	ND(<130)	ND(<250)	53	ND(<10)	57	30	ND(<30)	-	-	-	-	-
MW-3	09/22/06	1,800	ND(<250)	ND(<250)	45	7	42	29	ND(<6)	-	-	-	-	-
MW-3	12/05/06	2,300	ND(<250)	ND(<250)	52	9	64	29	8	-	-	-	-	-
MW-3	03/13/07	1,700	-	-	62	8	30	28	4	-	-	-	-	-
MW-3	06/04/07	1,900	-	-	54	5	23	24	ND(<3)	-	-	-	-	-
MW-3	09/10/07	2,800	-	-	63	10	67	28	40	-	-	-	-	-
MW-3	01/07/08	2,000	-	-	63	9	58	34	39	-	-	-	-	-
MW-3	03/20/08	2,800	-	-	80	14	86	42	43	-	-	-	-	-
MW-3	06/16/08	1,800	-	-	64	9	26	27	37	-	-	-	-	-
MW-3	09/08/08	2,400	-	-	ND(<5)	14	64	19	40	-	-	-	-	-
MW-3	12/08/08	2,400	-	-	21	10	28	21	ND(<2)	-	-	-	-	-
MW-3	03/05/09	1,700	-	-	48	8	43	23	29	-	-	-	-	-
MW-3	06/19/09	1,000	-	-	39	5	8	13	24	-	-	-	-	-
MW-3	09/28/09	1,200	-	-	19	5.1	34	19	13	-	-	-	-	-
MW-3	12/29/09	1700 ^a	-	-	51	9.3	65	36	ND(<8.0)	-	-	-	-	-
MW-3	03/26/10	3000 ^a	-	-	ND(<5.0)	13	100	48	ND(<15)	-	-	-	-	-
MW-3	06/09/10	2000 ^a	-	-	45	6.6	40	27	ND(<3.0)	-	-	-	-	-
MW-3	09/22/10	2800 ^b	-	-	69	13.0	80	42	ND(<3.0)	-	-	-	-	-
MW-3	12/17/10	2300 ^a	-	-	ND(<5.0)	7.5	40	28	ND(<15)	-	-	-	-	-
MW-3	03/25/11	1,300	-	-	44	4.3	20	22	ND(<3.0)	-	-	-	-	-
MW-3	06/21/11	1,400	-	-	8.1	2.8	19	17	ND(<3.0)	-	-	-	-	-
MW-3	09/13/11	2,900	-	-	14	10	58	30	ND(<3.0)	-	-	-	-	-
MW-3	12/28/11	2,800	-	-	55	10	61	33	7.0	-	-	-	-	-
MW-3	03/19/12	2,000	-	-	7.3	5.1	37	22	ND(<3.0)	-	-	-	-	-
MW-3	04/12/12	-	-	-	-	-	-	-	-	-	-	-	ND(<0.15)	ND(<0.26)
MW-3	06/08/12	1,300	-	-	5.4	3.3	29	12	ND(<3.0)	ND(<0.020)	ND(<0.010)	12	0.19	ND(<0.52)

**TABLE 3
GROUNDWATER ANALYTICAL RESULTS**

Miller's Market
3152 Washington Way
Longview, Washington

Well I.D. (TOC)	Sample Date	TPH- Gasoline (µg/L)	TPH- Diesel (µg/L)	TPH- Oil (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl- benzene (µg/L)	Xylenes (µg/L)	MTBE (µg/L)	EDC (µg/L)	EDB (µg/L)	Lead (µg/L)	Nitrate (mg/L)	Sulfate (mg/L)
MW-3	09/17/12	1,600	-	-	31 ^c	5.3	28	19	ND(<3.0)	ND(<0.020)	ND(<0.010)	ND(<1.0)	-	0.37
MW-3	10/01/12	1,700	-	-	35 ^c	6.2	32	19	-	-	-	-	-	ND(<0.26)
MW-3	10/25/12	1,900	-	-	12	5.9	27	19	-	-	-	-	-	ND(<0.26)
MW-3	11/29/12	2,000	-	-	ND(<5.0)	8.1	38	26	-	-	-	-	-	ND(<0.26)
MW-3	12/21/12	1,700	-	-	41 ^c	7.5	57	24	ND(<3.0)	ND(<0.020)	ND(<0.010)	ND(<1.0)	-	1,100
MW-3	02/19/13	3,300	-	-	<10	<10	120	120	-	-	-	-	-	2,700
MW-3	03/27/13	2,500	-	-	ND(<5.0)	7.8	110	93	ND(<15)	-	-	ND(<1.0)	--	2,300
MW-3	04/24/13	2,800	-	-	16	5.1	77	69	-	-	-	-	-	1,700
MW-3	05/30/13	1,500	-	-	26 ^c	4.5	39	20	-	-	-	-	-	4,000
MW-3	06/24/13	1,200	-	-	22	4.0	31	23	ND(<3.0)	-	-	-	-	7,700
MW-3	07/31/13	1,200	-	-	10	2.1	19	8.9	-	-	-	-	-	3,300
MW-3	08/30/13	1,600	-	-	23	4.8	52	11	-	-	-	-	-	2,200
MW-3	09/20/13	1,300	-	-	ND(<1.0)	3.4	23	6.3	-	-	-	-	-	1,700
MW-3	10/30/13	1,500	-	-	18	5.3	82	14	ND(<3.0)	-	-	-	-	840
MW-3	11/26/13	1,800	-	-	13	3.2	57	9.3	-	-	-	-	-	750
MW-3	12/20/13	2,600	-	-	16	4.5	130	23	ND(<3.0)	-	-	-	-	1,100
MW-3	03/12/14	800	-	-	3.1	ND(<1.0)	15	4.8	ND(<3.0)	-	-	-	-	-
MW-3	06/16/14	300	-	-	1.4	ND(<1.0)	1.3	ND(<3.0)	ND(<3.0)	-	-	-	-	-
MW-3	09/11/14	690	-	-	16	ND(<1.0)	14	7.3	ND(<3.0)	-	-	-	-	-
MW-3 ¹	09/11/14	630	-	-	16	ND(<1.0)	13	4.3	ND(<3.0)	-	-	-	-	-
MW-3	12/17/14	490	-	-	ND(<1.0)	1.6	6.4	ND(<3.0)	ND(<3.0)	-	-	-	-	-
MW-3	03/16/15	200	-	-	1.7	ND(<1.0)	ND(<1.0)	ND(<3.0)	ND(<3.0)	-	-	-	-	-
DUP	03/16/15	180	-	-	1.6	ND(<1.0)	ND(<1.0)	ND(<3.0)	ND(<3.0)	-	-	-	-	-
MW-3	05/13/15	130	-	-	ND(<1.0)	ND(<1.0)	ND(<1.0)	ND(<3.0)	ND(<3.0)	-	-	-	-	-
DUP	05/13/15	120	-	-	ND(<1.0)	ND(<1.0)	ND(<1.0)	ND(<3.0)	ND(<3.0)	-	-	-	-	-
MW-3	08/13/15	220	-	-	2.4	ND(<1.0)	3.4	ND(<3.0)	ND(<3.0)	-	-	-	-	-
DUP	08/13/15	210	-	-	3.1	ND(<1.0)	4.1	ND(<3.0)	ND(<3.0)	-	-	-	-	-

**TABLE 3
GROUNDWATER ANALYTICAL RESULTS**

Miller's Market
3152 Washington Way
Longview, Washington

Well I.D. (TOC)	Sample Date	TPH- Gasoline (µg/L)	TPH- Diesel (µg/L)	TPH- Oil (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl- benzene (µg/L)	Xylenes (µg/L)	MTBE (µg/L)	EDC (µg/L)	EDB (µg/L)	Lead (µg/L)	Nitrate (mg/L)	Sulfate (mg/L)
MW-4	11/28/05	ND	ND(<130)	ND(<250)	ND(<1)	ND(<1)	ND(<1)	ND(<3)	ND(<3)	-	-	-	-	-
MW-4	03/22/06	ND(<50)	ND(<130)	ND(<250)	ND(<1)	ND(<1)	ND(<1)	ND(<3)	ND(<2)	-	-	-	-	-
MW-4	06/27/06	ND(<50)	ND(<130)	ND(<250)	ND(<1)	ND(<1)	ND(<1)	ND(<3)	ND(<3)	-	-	-	-	-
MW-4	09/22/06	ND(<50)	ND(<130)	ND(<250)	ND(<1)	ND(<1)	ND(<1)	ND(<3)	ND(<3)	-	-	-	-	-
MW-4	12/05/06	ND(<50)	ND(<130)	ND(<250)	ND(<1)	ND(<1)	ND(<1)	ND(<3)	ND(<3)	-	-	-	-	-
MW-4	03/13/07	ND(<50)	-	-	ND(<1)	ND(<1)	ND(<1)	ND(<3)	ND(<3)	-	-	-	-	-
MW-4	06/04/07	ND(<50)	-	-	ND(<1)	ND(<1)	ND(<1)	ND(<3)	ND(<3)	-	-	-	-	-
MW-4	09/10/07	ND(<50)	-	-	ND(<1)	ND(<1)	ND(<1)	ND(<3)	ND(<3)	-	-	-	-	-
MW-4	01/07/08	ND(<50)	-	-	ND(<1)	ND(<1)	ND(<1)	ND(<3)	ND(<3)	-	-	-	-	-
MW-4	03/20/08	100	-	-	4	6	1	6	ND(<3)	-	-	-	-	-
MW-4	06/16/08	ND(<50)	-	-	ND(<1)	ND(<1)	ND(<1)	ND(<3)	ND(<3)	-	-	-	-	-
MW-4	09/08/08	ND(<50)	-	-	ND(<1)	ND(<1)	ND(<1)	ND(<3)	ND(<3)	-	-	-	-	-
MW-4	12/08/08	ND(<50)	-	-	ND(<1)	ND(<1)	ND(<1)	ND(<3)	ND(<3)	-	-	-	-	-
MW-4	03/05/09	ND(<50)	-	-	ND(<1)	ND(<1)	ND(<1)	ND(<3)	ND(<3)	-	-	-	-	-
MW-4	06/19/09	ND(<50)	-	-	ND(<1)	ND(<1)	ND(<1)	ND(<3)	ND(<3)	-	-	-	-	-
MW-4	09/28/09	ND(<50)	-	-	ND(<1.0)	ND(<1.0)	ND(<1.0)	ND(<3.0)	ND(<3.0)	-	-	-	-	-
MW-4	12/29/09	ND(<50)	-	-	ND(<1.0)	ND(<1.0)	ND(<1.0)	ND(<3.0)	ND(<1.0)	-	-	-	-	-
MW-4	03/26/10	ND(<50)	-	-	ND(<1.0)	ND(<1.0)	ND(<1.0)	ND(<3.0)	ND(<3.0)	-	-	-	-	-
MW-4	06/09/10	ND(<50)	-	-	ND(<1.0)	ND(<1.0)	ND(<1.0)	ND(<3.0)	ND(<3.0)	-	-	-	-	-
MW-4	09/22/10	ND(<50)	-	-	ND(<1.0)	ND(<1.0)	ND(<1.0)	ND(<3.0)	ND(<3.0)	-	-	-	-	-
MW-4	12/17/10	ND(<50)	-	-	ND(<1.0)	ND(<1.0)	ND(<1.0)	ND(<3.0)	ND(<3.0)	-	-	-	-	-
MW-4	03/25/11	ND(<50)	-	-	ND(<1.0)	ND(<1.0)	ND(<1.0)	ND(<3.0)	ND(<3.0)	-	-	-	-	-
MW-4	06/21/11	ND(<50)	-	-	ND(<1.0)	ND(<1.0)	ND(<1.0)	ND(<3.0)	ND(<3.0)	-	-	-	-	-
MW-4	09/13/11	ND(<50)	-	-	ND(<1.0)	ND(<1.0)	ND(<1.0)	ND(<3.0)	ND(<3.0)	-	-	-	-	-
MW-4	12/28/11	ND(<50)	-	-	ND(<1.0)	ND(<1.0)	ND(<1.0)	ND(<3.0)	ND(<3.0)	-	-	-	-	-
MW-4	03/19/12	ND(<50)	-	-	ND(<1.0)	ND(<1.0)	ND(<1.0)	ND(<3.0)	ND(<3.0)	-	-	-	-	-
MW-4	06/06/12	ND(<50)	-	-	ND(<1.0)	ND(<1.0)	ND(<1.0)	ND(<3.0)	ND(<3.0)	ND(<0.020)	ND(<0.010)	1.8	-	-
MW-4	09/17/12	ND(<50)	-	-	ND(<1.0)	ND(<1.0)	ND(<1.0)	ND(<3.0)	ND(<3.0)	ND(<0.020)	ND(<0.010)	ND(<1.0)	-	-
MW-4	12/21/12	ND(<50)	-	-	ND(<1.0)	ND(<1.0)	ND(<1.0)	ND(<3.0)	ND(<3.0)	ND(<0.020)	ND(<0.010)	ND(<1.0)	-	-
MW-4	03/27/13	ND(<50)	-	-	ND(<1.0)	ND(<1.0)	ND(<1.0)	ND(<3.0)	ND(<3.0)	-	-	ND(<1.0)	-	-
MW-4	06/24/13	ND(<50)	-	-	ND(<1.0)	ND(<1.0)	ND(<1.0)	ND(<3.0)	ND(<3.0)	-	-	-	-	-
MW-4	10/30/13	ND(<50)	-	-	ND(<1.0)	ND(<1.0)	ND(<1.0)	ND(<3.0)	ND(<3.0)	-	-	-	-	-
MW-4	12/20/13	ND(<50)	-	-	ND(<1.0)	ND(<1.0)	ND(<1.0)	ND(<3.0)	ND(<3.0)	-	-	-	-	-

TABLE 3
GROUNDWATER ANALYTICAL RESULTS
 Miller's Market
 3152 Washington Way
 Longview, Washington

Well I.D. (TOC)	Sample Date	TPH- Gasoline (µg/L)	TPH- Diesel (µg/L)	TPH- Oil (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl- benzene (µg/L)	Xylenes (µg/L)	MTBE (µg/L)	EDC (µg/L)	EDB (µg/L)	Lead (µg/L)	Nitrate (mg/L)	Sulfate (mg/L)
MW-5	05/30/13	-	-	-	-	-	-	-	-	-	-	-	-	ND(<0.26)
MW-5	06/24/13	ND(<50)	-	-	ND(<1.0)	ND(<1.0)	ND(<1.0)	ND(<3.0)	ND(<3.0)	-	-	-	-	ND(<0.26)
MW-5	07/31/13	-	-	-	-	-	-	-	-	-	-	-	-	ND(<0.26)
MW-5	08/28/13	-	-	-	-	-	-	-	-	-	-	-	-	ND(<0.26)
MW-5	09/20/13	-	-	-	-	-	-	-	-	-	-	-	-	ND(<0.26)
MW-5	10/30/13	ND(<50)	-	-	ND(<1.0)	ND(<1.0)	ND(<1.0)	ND(<3.0)	ND(<3.0)	-	-	-	-	ND(<0.26)
MW-5	11/26/13	-	-	-	-	-	-	-	-	-	-	-	-	1.6
MW-5	12/20/13	ND(<50)	-	-	ND(<1.0)	ND(<1.0)	ND(<1.0)	ND(<3.0)	ND(<3.0)	-	-	-	-	8.7

**TABLE 3
GROUNDWATER ANALYTICAL RESULTS**

Miller's Market
3152 Washington Way
Longview, Washington

Well I.D. (TOC)	Sample Date	TPH- Gasoline (µg/L)	TPH- Diesel (µg/L)	TPH- Oil (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl- benzene (µg/L)	Xylenes (µg/L)	MTBE (µg/L)	EDC (µg/L)	EDB (µg/L)	Lead (µg/L)	Nitrate (mg/L)	Sulfate (mg/L)
MW-6	05/30/13	-	-	-	-	-	-	-	-	-	-	-	-	ND(<0.26)
MW-6	06/24/13	ND(<50)	-	-	ND(<1.0)	ND(<1.0)	ND(<1.0)	ND(<3.0)	ND(<3.0)	-	-	-	-	ND(<0.26)
MW-6	07/31/13	-	-	-	-	-	-	-	-	-	-	-	-	ND(<0.26)
MW-6	08/28/13	-	-	-	-	-	-	-	-	-	-	-	-	ND(<0.26)
MW-6	09/20/13	-	-	-	-	-	-	-	-	-	-	-	-	ND(<0.26)
MW-6	10/30/13	ND(<50)	-	-	ND(<1.0)	ND(<1.0)	ND(<1.0)	ND(<3.0)	ND(<3.0)	-	-	-	-	ND(<0.26)
MW-6	11/26/13	-	-	-	-	-	-	-	-	-	-	-	-	0.41
MW-6	12/20/13	ND(<50)	-	-	ND(<1.0)	ND(<1.0)	ND(<1.0)	ND(<3.0)	ND(<3.0)	-	-	-	-	0.47
MW-6	03/12/14	ND(<50)	-	-	ND(<1.0)	ND(<1.0)	ND(<1.0)	ND(<3.0)	ND(<3.0)	-	-	-	-	-
MW-6	06/16/14	ND(<50)	-	-	ND(<1.0)	ND(<1.0)	ND(<1.0)	ND(<3.0)	ND(<3.0)	-	-	-	-	-
MW-6	09/11/14	ND(<50)	-	-	ND(<1.0)	ND(<1.0)	ND(<1.0)	ND(<3.0)	ND(<3.0)	-	-	-	-	-
MW-6	12/17/14	ND(<50)	-	-	ND(<1.0)	ND(<1.0)	ND(<1.0)	ND(<3.0)	ND(<3.0)	-	-	-	-	-
MW-6	03/16/15	56	-	-	ND(<1.0)	ND(<1.0)	ND(<1.0)	ND(<3.0)	ND(<3.0)	-	-	-	-	-
MW-6	05/13/15	ND(<50)	-	-	ND(<1.0)	ND(<1.0)	ND(<1.0)	ND(<3.0)	ND(<3.0)	-	-	-	-	-
MW-6	08/13/15	ND(<50)	-	-	ND(<1.0)	ND(<1.0)	ND(<1.0)	ND(<3.0)	ND(<3.0)	-	-	-	-	-

**TABLE 3
GROUNDWATER ANALYTICAL RESULTS**

Miller's Market
3152 Washington Way
Longview, Washington

Well I.D. (TOC)	Sample Date	TPH- Gasoline (µg/L)	TPH- Diesel (µg/L)	TPH- Oil (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl- benzene (µg/L)	Xylenes (µg/L)	MTBE (µg/L)	EDC (µg/L)	EDB (µg/L)	Lead (µg/L)	Nitrate (mg/L)	Sulfate (mg/L)
MW-7	11/28/05	390	ND(<130)	ND(<250)	ND(<1)	ND(<1)	ND(<1)	ND(<3)	ND(<3)	-	-	-	-	-
MW-7	03/22/06	700	ND(<130)	ND(<250)	ND(<1)	ND(<1)	6	18	ND(<2)	-	-	-	-	-
MW-7	06/27/06	710	ND(<130)	ND(<250)	ND(<1)	ND(<1)	7	14	ND(<3)	-	-	-	-	-
MW-7	09/22/06	380	ND(<130)	ND(<250)	ND(<1)	ND(<1)	7	14	ND(<3)	-	-	-	-	-
MW-7	12/05/06	570	ND(<130)	ND(<250)	1	ND(<1)	7	14	ND(<3)	-	-	-	-	-
MW-7	03/13/07	750	-	-	1	ND(<1)	4	4	ND(<3)	-	-	-	-	-
MW-7	06/04/07	ND(<50)	-	-	1	ND(<1)	ND(<1)	ND(<3)	ND(<3)	-	-	-	-	-
MW-7	09/10/07	530	-	-	1	ND(<1)	1	ND(<3)	ND(<3)	-	-	-	-	-
MW-7	01/07/08	580	-	-	ND(<1)	ND(<1)	ND(<1)	ND(<3)	ND(<3)	-	-	-	-	-
MW-7	03/20/08	320	-	-	ND(<1)	ND(<1)	ND(<1)	ND(<3)	ND(<3)	-	-	-	-	-
MW-7	06/16/08	310	-	-	ND(<1)	ND(<1)	ND(<1)	ND(<3)	ND(<3)	-	-	-	-	-
MW-7	09/08/08	370	-	-	ND(<1)	ND(<1)	ND(<1)	ND(<3)	ND(<3)	-	-	-	-	-
MW-7	12/08/08	530	-	-	1	ND(<1)	ND(<1)	ND(<3)	ND(<3)	-	-	-	-	-
MW-7	03/05/09	680	-	-	2	ND(<1)	ND(<1)	ND(<3)	ND(<3)	-	-	-	-	-
MW-7	06/19/09	130	-	-	ND(<1)	ND(<1)	ND(<1)	ND(<3)	ND(<3)	-	-	-	-	-
MW-7	09/28/09	53	-	-	ND(<1.0)	ND(<1.0)	ND(<1.0)	ND(<3.0)	ND(<3.0)	-	-	-	-	-
MW-7	12/29/09	73 ^a	-	-	ND(<1.0)	ND(<1.0)	ND(<1.0)	ND(<3.0)	ND(<1.0)	-	-	-	-	-
MW-7	03/26/10	140 ^a	-	-	ND(<1.0)	ND(<1.0)	ND(<1.0)	ND(<3.0)	ND(<3.0)	-	-	-	-	-
MW-7	06/09/10	ND(<50)	-	-	ND(<1.0)	ND(<1.0)	ND(<1.0)	ND(<3.0)	ND(<3.0)	-	-	-	-	-
MW-7	09/22/10	ND(<50)	-	-	ND(<1.0)	ND(<1.0)	ND(<1.0)	ND(<3.0)	ND(<3.0)	-	-	-	-	-
MW-7	12/17/10	ND(<50)	-	-	ND(<1.0)	ND(<1.0)	ND(<1.0)	ND(<3.0)	ND(<3.0)	-	-	-	-	-
MW-7	03/25/11	280	-	-	ND(<1.0)	ND(<1.0)	ND(<1.0)	ND(<3.0)	ND(<3.0)	-	-	-	-	-
MW-7	06/21/11	130	-	-	ND(<1.0)	ND(<1.0)	ND(<1.0)	ND(<3.0)	ND(<3.0)	-	-	-	-	-
MW-7	09/13/11	58	-	-	ND(<1.0)	ND(<1.0)	ND(<1.0)	ND(<3.0)	ND(<2.0)	-	-	-	-	-
MW-7	12/28/11	260	-	-	ND(<1.0)	ND(<1.0)	ND(<1.0)	ND(<3.0)	ND(<3.0)	-	-	-	-	-
MW-7	03/19/12	1,500	-	-	ND(<1.0)	ND(<1.0)	ND(<1.0)	ND(<3.0)	ND(<3.0)	-	-	-	-	-
MW-7	04/12/12	-	-	-	-	-	-	-	-	-	-	-	1.1	8.9
MW-7	06/06/12	330	-	-	ND(<1.0)	ND(<1.0)	ND(<1.0)	ND(<3.0)	ND(<3.0)	ND(<0.020)	ND(<0.010)	ND(<1.0)	4.1	14
MW-7	09/17/12	190	-	-	ND(<1.0)	ND(<1.0)	ND(<1.0)	ND(<3.0)	ND(<3.0)	ND(<0.020)	ND(<0.010)	ND(<1.0)	-	190
MW-7	10/01/12	210	-	-	ND(<1.0)	ND(<1.0)	ND(<1.0)	ND(<3.0)	-	-	-	-	-	81
MW-7	10/25/12	120	-	-	ND(<1.0)	ND(<1.0)	ND(<1.0)	ND(<3.0)	-	-	-	-	-	990
MW-7	11/29/12	ND(<50)	-	-	ND(<1.0)	ND(<1.0)	ND(<1.0)	ND(<3.0)	-	-	-	-	-	1,000
MW-7	12/21/12	ND(<50)	-	-	ND(<1.0)	ND(<1.0)	ND(<1.0)	ND(<3.0)	ND(<3.0)	ND(<0.020)	ND(<0.010)	ND(<1.0)	-	1,100
MW-7	02/19/13	ND(<50)	-	-	ND(<1.0)	ND(<1.0)	ND(<1.0)	ND(<3.0)	-	-	-	-	-	720
MW-7	03/27/13	70	-	-	ND(<1.0)	ND(<1.0)	ND(<1.0)	ND(<3.0)	ND(<3.0)	-	-	ND(<1.0)	-	400
MW-7	04/26/13	ND(<50)	-	-	ND(<1.0)	ND(<1.0)	ND(<1.0)	ND(<3.0)	-	-	-	-	-	760

**TABLE 3
GROUNDWATER ANALYTICAL RESULTS**

Miller's Market
3152 Washington Way
Longview, Washington

Well I.D. (TOC)	Sample Date	TPH- Gasoline (µg/L)	TPH- Diesel (µg/L)	TPH- Oil (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl- benzene (µg/L)	Xylenes (µg/L)	MTBE (µg/L)	EDC (µg/L)	EDB (µg/L)	Lead (µg/L)	Nitrate (mg/L)	Sulfate (mg/L)
MW-7	05/30/13	ND(<50)	-	-	ND(<1.0)	ND(<1.0)	ND(<1.0)	ND(<3.0)	-	-	-	-	-	310
MW-7	06/24/13	ND(<50)	-	-	ND(<1.0)	ND(<1.0)	ND(<1.0)	ND(<3.0)	ND(<3.0)	-	-	-	-	790
MW-7	07/31/13	83	-	-	ND(<1.0)	ND(<1.0)	ND(<1.0)	ND(<3.0)	-	-	-	-	-	160
MW-7	08/28/13	120	-	-	ND(<1.0)	ND(<1.0)	ND(<1.0)	ND(<3.0)	-	-	-	-	-	74
MW-7	09/20/13	190	-	-	ND(<1.0)	ND(<1.0)	ND(<1.0)	ND(<3.0)	-	-	-	-	-	180
MW-7	10/30/13	ND(<50)	-	-	ND(<1.0)	ND(<1.0)	ND(<1.0)	ND(<3.0)	ND(<3.0)	-	-	-	-	870
MW-7	11/26/13	280	-	-	ND(<1.0)	ND(<1.0)	ND(<1.0)	ND(<3.0)	-	-	-	-	-	440
MW-7	12/20/13	84	-	-	ND(<1.0)	ND(<1.0)	ND(<1.0)	ND(<3.0)	ND(<3.0)	-	-	-	-	460
MW-7	03/12/14	ND(<50)	-	-	ND(<1.0)	ND(<1.0)	ND(<1.0)	ND(<3.0)	ND(<3.0)	-	-	-	-	-
MW-7	06/16/14	ND(<50)	-	-	ND(<1.0)	ND(<1.0)	ND(<1.0)	ND(<3.0)	ND(<3.0)	-	-	-	-	-
MW-7	09/11/14	130	-	-	ND(<1.0)	ND(<1.0)	ND(<1.0)	ND(<3.0)	ND(<3.0)	-	-	-	-	-
MW-7	12/17/14	ND(<50)	-	-	ND(<1.0)	ND(<1.0)	ND(<1.0)	ND(<3.0)	ND(<3.0)	-	-	-	-	-
MW-7	03/16/15	100	-	-	ND(<1.0)	ND(<1.0)	ND(<1.0)	ND(<3.0)	ND(<3.0)	-	-	-	-	-
MW-7	05/13/15	62	-	-	ND(<1.0)	ND(<1.0)	ND(<1.0)	ND(<3.0)	ND(<3.0)	-	-	-	-	-
MW-7	08/13/15	ND(<50)	-	-	ND(<1.0)	ND(<1.0)	ND(<1.0)	ND(<3.0)	ND(<3.0)	-	-	-	-	-

**TABLE 3
GROUNDWATER ANALYTICAL RESULTS**

Miller's Market
3152 Washington Way
Longview, Washington

Well I.D. (TOC)	Sample Date	TPH- Gasoline (µg/L)	TPH- Diesel (µg/L)	TPH- Oil (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl- benzene (µg/L)	Xylenes (µg/L)	MTBE (µg/L)	EDC (µg/L)	EDB (µg/L)	Lead (µg/L)	Nitrate (mg/L)	Sulfate (mg/L)
MW-8	11/28/05	820	ND(<130)	ND(<250)	3	ND(<1)	1	ND(<3)	ND(<3)	-	-	-	-	-
MW-8	03/22/06	69	ND(<130)	ND(<250)	ND(<1)	ND(<1)	2	ND(<3)	ND(<2)	-	-	-	-	-
MW-8	06/27/06	ND(<50)	ND(<130)	ND(<250)	ND(<1)	ND(<1)	ND(<1)	ND(<3)	ND(<3)	-	-	-	-	-
MW-8	09/22/06	2,400	ND(<250)	ND(<250)	12	1	60	4	ND(<3)	-	-	-	-	-
MW-8	12/05/06	ND(<50)	ND(<130)	ND(<250)	ND(<1)	ND(<1)	ND(<1)	ND(<3)	ND(<3)	-	-	-	-	-
MW-8	03/13/07	1,000	-	-	4	ND(<1)	37	13	ND(<3)	-	-	-	-	-
MW-8	06/04/07	ND(<50)	-	-	ND(<1)	ND(<1)	ND(<1)	ND(<3)	ND(<3)	-	-	-	-	-
MW-8	09/10/07	3,300	-	-	13	ND(<5)	55	ND(<15)	ND(<15)	-	-	-	-	-
MW-8	01/07/08	79	-	-	ND(<1)	ND(<1)	ND(<1)	ND(<3)	ND(<3)	-	-	-	-	-
MW-8	03/20/08	ND(<50)	-	-	ND(<1)	ND(<1)	ND(<1)	ND(<3)	ND(<3)	-	-	-	-	-
MW-8	06/16/08	ND(<50)	-	-	ND(<1)	ND(<1)	ND(<1)	ND(<3)	ND(<3)	-	-	-	-	-
MW-8	09/08/08	300	-	-	1	ND(<1)	3	ND(<3)	ND(<3)	-	-	-	-	-
MW-8	12/08/08	80	-	-	ND(<1)	ND(<1)	ND(<1)	ND(<3)	ND(<3)	-	-	-	-	-
MW-8	03/05/09	70	-	-	ND(<1)	ND(<1)	ND(<1)	ND(<3)	ND(<3)	-	-	-	-	-
MW-8	06/19/09	ND(<50)	-	-	ND(<1)	ND(<1)	ND(<1)	ND(<3)	ND(<3)	-	-	-	-	-
MW-8	09/28/09	260	-	-	1.2	ND(<1.0)	1.5	ND(<3.0)	ND(<3.0)	-	-	-	-	-
MW-8	12/29/09	62 ^a	-	-	ND(<1.0)	ND(<1.0)	ND(<1.0)	ND(<3.0)	ND(<1.0)	-	-	-	-	-
MW-8	03/26/10	ND(<50)	-	-	ND(<1.0)	ND(<1.0)	ND(<1.0)	ND(<3.0)	ND(<3.0)	-	-	-	-	-
MW-8	06/09/10	ND(<50)	-	-	ND(<1.0)	ND(<1.0)	ND(<1.0)	ND(<3.0)	ND(<3.0)	-	-	-	-	-
MW-8	09/22/10	ND(<50)	-	-	ND(<1.0)	ND(<1.0)	ND(<1.0)	ND(<3.0)	ND(<3.0)	-	-	-	-	-
MW-8	12/17/10	ND(<50)	-	-	ND(<1.0)	ND(<1.0)	ND(<1.0)	ND(<3.0)	ND(<3.0)	-	-	-	-	-
MW-8	03/25/11	ND(<50)	-	-	ND(<1.0)	ND(<1.0)	ND(<1.0)	ND(<3.0)	ND(<3.0)	-	-	-	-	-
MW-8	06/21/11	ND(<50)	-	-	ND(<1.0)	ND(<1.0)	ND(<1.0)	ND(<3.0)	ND(<3.0)	-	-	-	-	-
MW-8	09/13/11	410	-	-	ND(<1.0)	ND(<1.0)	ND(<1.0)	ND(<3.0)	ND(<3.0)	-	-	-	-	-
MW-8	12/28/11	130	-	-	ND(<1.0)	ND(<1.0)	ND(<1.0)	ND(<3.0)	ND(<3.0)	-	-	-	-	-
MW-8	03/19/12	ND(<50)	-	-	ND(<1.0)	ND(<1.0)	ND(<1.0)	ND(<3.0)	ND(<3.0)	-	-	-	-	-
MW-8	06/06/12	ND(<50)	-	-	ND(<1.0)	ND(<1.0)	ND(<1.0)	ND(<3.0)	ND(<3.0)	ND(<0.020)	ND(<0.010)	ND(<1.0)	-	-
MW-8	09/17/12	ND(<50)	-	-	ND(<1.0)	ND(<1.0)	ND(<1.0)	ND(<3.0)	ND(<3.0)	ND(<0.020)	ND(<0.010)	ND(<1.0)	-	-
MW-8	12/21/12	ND(<50)	-	-	ND(<1.0)	ND(<1.0)	ND(<1.0)	ND(<3.0)	ND(<3.0)	ND(<0.020)	ND(<0.010)	ND(<1.0)	-	-
MW-8	03/27/13	ND(<50)	-	-	ND(<1.0)	ND(<1.0)	ND(<1.0)	ND(<3.0)	ND(<3.0)	-	-	ND(<1.0)	-	-
MW-8	06/24/13	ND(<50)	-	-	ND(<1.0)	ND(<1.0)	ND(<1.0)	ND(<3.0)	ND(<3.0)	-	-	-	-	-
MW-8	10/30/13	200	-	-	ND(<1.0)	ND(<1.0)	ND(<1.0)	ND(<3.0)	ND(<3.0)	-	-	-	-	-
MW-8	12/20/13	ND(<50)	-	-	ND(<1.0)	ND(<1.0)	ND(<1.0)	ND(<3.0)	ND(<3.0)	-	-	-	-	-
MW-8	03/12/14	660	-	-	2.0	ND(<1.0)	ND(<1.0)	ND(<3.0)	ND(<3.0)	-	-	-	-	-
MW-8	06/16/14	ND(<50)	-	-	ND(<1.0)	ND(<1.0)	ND(<1.0)	ND(<3.0)	ND(<3.0)	-	-	-	-	-
MW-8	09/11/14	360	-	-	ND(<1.0)	ND(<1.0)	ND(<1.0)	ND(<3.0)	ND(<3.0)	-	-	-	-	-

**TABLE 3
GROUNDWATER ANALYTICAL RESULTS**

Miller's Market
3152 Washington Way
Longview, Washington

Well I.D. (TOC)	Sample Date	TPH- Gasoline (µg/L)	TPH- Diesel (µg/L)	TPH- Oil (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl- benzene (µg/L)	Xylenes (µg/L)	MTBE (µg/L)	EDC (µg/L)	EDB (µg/L)	Lead (µg/L)	Nitrate (mg/L)	Sulfate (mg/L)
MW-8	12/17/14	160	-	-	ND(<1.0)	ND(<1.0)	ND(<1.0)	ND(<3.0)	ND(<3.0)	-	-	-	-	-
MW-8	03/16/15	ND(<50)	-	-	ND(<1.0)	ND(<1.0)	ND(<1.0)	ND(<3.0)	ND(<3.0)	-	-	-	-	-
MW-8	05/13/15	ND(<50)	-	-	ND(<1.0)	ND(<1.0)	ND(<1.0)	ND(<3.0)	ND(<3.0)	-	-	-	-	-
MW-8	08/13/15	59	-	-	ND(<1.0)	ND(<1.0)	ND(<1.0)	ND(<3.0)	ND(<3.0)	-	-	-	-	-

**TABLE 3
GROUNDWATER ANALYTICAL RESULTS**

Miller's Market
3152 Washington Way
Longview, Washington

Well I.D. (TOC)	Sample Date	TPH- Gasoline (µg/L)	TPH- Diesel (µg/L)	TPH- Oil (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl- benzene (µg/L)	Xylenes (µg/L)	MTBE (µg/L)	EDC (µg/L)	EDB (µg/L)	Lead (µg/L)	Nitrate (mg/L)	Sulfate (mg/L)
MW-9	10/04/17	ND(<50)	-	-	ND(<1.0)	ND(<1.0)	ND(<1.0)	ND(<3.0)	--	-	-	ND(<1.0)	-	-
MW-10	10/04/17	2,200	-	-	10	3.8	2.9	ND(<6.0)	--	-	-	1.6	-	-
MW-11	10/04/17	ND(<50)	-	-	ND(<1.0)	ND(<1.0)	ND(<1.0)	ND(<3.0)	--	-	-	ND(<1.0)	-	-
RW-1	11/17/03	23,000	-	-	970	1,200	460	3,400	-	-	-	-	-	-
RW-1	03/15/04	5,100	-	-	91	82	60	190	ND(<15)	-	-	-	-	-
RW-1	06/17/04	1,100	-	-	21	ND(<1)	16	17	ND(<3)	-	-	-	-	-
RW-1	09/15/04	3,000	-	-	50	ND(<5)	47	94	ND(<15)	-	-	-	-	-
RW-1	12/16/04	200	-	-	3	ND(<1)	2	ND(<3)	ND(<3)	-	-	-	-	-
RW-1	03/18/05	310	-	-	2	ND(<1)	2	ND(<3)	ND(<3)	-	-	-	-	-
RW-1	06/14/05	3,900	-	-	4	1,900	1	ND(<3)	ND(<3)	-	-	-	-	-
RW-1	09/26/05	280	-	-	4	ND(<1)	ND(<1)	ND(<3)	ND(<3)	-	-	-	-	-
RW-1	11/28/05	ND	ND(<130)	ND(<250)	ND(<1)	ND(<1)	ND(<1)	ND(<3)	ND(<3)	-	-	-	-	-
RW-1	03/22/06	ND(<50)	ND(<130)	ND(<250)	ND(<1)	ND(<1)	ND(<1)	ND(<3)	ND(<2)	-	-	-	-	-
RW-1	06/27/06	ND(<50)	ND(<130)	ND(<250)	ND(<1)	ND(<1)	ND(<1)	ND(<3)	ND(<3)	-	-	-	-	-
RW-1	09/22/06	ND(<50)	ND(<130)	250	ND(<1)	ND(<1)	ND(<1)	ND(<3)	ND(<3)	-	-	-	-	-
RW-1	12/05/06	ND(<50)	ND(<130)	250	ND(<1)	ND(<1)	ND(<1)	ND(<3)	ND(<3)	-	-	-	-	-
RW-1	03/13/07	ND(<50)	-	-	ND(<1)	ND(<1)	ND(<1)	ND(<3)	ND(<3)	-	-	-	-	-
RW-1	06/04/07	ND(<50)	-	-	ND(<1)	ND(<1)	ND(<1)	ND(<3)	ND(<3)	-	-	-	-	-
RW-1	09/10/07	ND(<50)	-	-	ND(<1)	ND(<1)	ND(<1)	ND(<3)	ND(<3)	-	-	-	-	-
RW-1	01/07/08	ND(<50)	-	-	ND(<1)	ND(<1)	ND(<1)	ND(<3)	ND(<3)	-	-	-	-	-
RW-1	03/20/08	56	-	-	6	1	ND(<1)	ND(<3)	ND(<3)	-	-	-	-	-
RW-1	06/16/08	ND(<50)	-	-	ND(<1)	ND(<1)	ND(<1)	ND(<3)	ND(<3)	-	-	-	-	-
RW-1	09/08/08	ND(<50)	-	-	ND(<1)	ND(<1)	ND(<1)	ND(<3)	ND(<3)	-	-	-	-	-
RW-1	12/08/08	ND(<50)	-	-	ND(<1)	ND(<1)	ND(<1)	ND(<3)	ND(<3)	-	-	-	-	-
RW-1	03/05/09	ND(<50)	-	-	ND(<1)	ND(<1)	ND(<1)	ND(<3)	ND(<3)	-	-	-	-	-
RW-1	06/19/09	ND(<50)	-	-	ND(<1)	1	ND(<1)	ND(<3)	ND(<3)	-	-	-	-	-
RW-1	09/28/09	ND(<50)	-	-	ND(<1.0)	ND(<1.0)	ND(<1.0)	ND(<3.0)	ND(<3.0)	-	-	-	-	-
RW-1	12/29/09	ND(<50)	-	-	ND(<1.0)	ND(<1.0)	ND(<1.0)	ND(<3.0)	ND(<1.0)	-	-	-	-	-
RW-1	03/26/10	ND(<50)	-	-	ND(<1.0)	ND(<1.0)	ND(<1.0)	ND(<3.0)	ND(<3.0)	-	-	-	-	-
RW-1	06/09/10	ND(<50)	-	-	ND(<1.0)	ND(<1.0)	ND(<1.0)	ND(<3.0)	ND(<3.0)	-	-	-	-	-
RW-1	09/22/10	ND(<50)	-	-	ND(<1.0)	ND(<1.0)	ND(<1.0)	ND(<3.0)	ND(<3.0)	-	-	-	-	-
RW-1	12/17/10	ND(<50)	-	-	ND(<1.0)	ND(<1.0)	ND(<1.0)	ND(<3.0)	ND(<3.0)	-	-	-	-	-
RW-1	03/25/11	ND(<50)	-	-	ND(<1.0)	ND(<1.0)	ND(<1.0)	ND(<3.0)	ND(<3.0)	-	-	-	-	-
RW-1	06/21/11	ND(<50)	-	-	ND(<1.0)	ND(<1.0)	ND(<1.0)	ND(<3.0)	ND(<3.0)	-	-	-	-	-
RW-1	09/13/11	ND(<50)	-	-	ND(<1.0)	ND(<1.0)	ND(<1.0)	ND(<3.0)	ND(<3.0)	-	-	-	-	-

**TABLE 3
GROUNDWATER ANALYTICAL RESULTS**

Miller's Market
3152 Washington Way
Longview, Washington

Well I.D. (TOC)	Sample Date	TPH- Gasoline (µg/L)	TPH- Diesel (µg/L)	TPH- Oil (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl- benzene (µg/L)	Xylenes (µg/L)	MTBE (µg/L)	EDC (µg/L)	EDB (µg/L)	Lead (µg/L)	Nitrate (mg/L)	Sulfate (mg/L)
RW-1	12/28/11	ND(<50)	-	-	ND(<1.0)	ND(<1.0)	ND(<1.0)	ND(<3.0)	ND(<3.0)	-	-	-	-	-
RW-1	03/19/12	ND(<50)	-	-	ND(<1.0)	ND(<1.0)	ND(<1.0)	ND(<3.0)	ND(<3.0)	-	-	-	-	-
RW-1	06/06/12	ND(<50)	-	-	ND(<1.0)	ND(<1.0)	ND(<1.0)	ND(<3.0)	ND(<3.0)	ND(<0.020)	ND(<0.010)	3.2	-	-
RW-1	09/17/12	ND(<50)	-	-	ND(<1.0)	ND(<1.0)	ND(<1.0)	ND(<3.0)	ND(<3.0)	ND(<0.020)	ND(<0.010)	4.5	-	-
RW-1	12/21/12	ND(<50)	-	-	ND(<1.0)	ND(<1.0)	ND(<1.0)	ND(<3.0)	ND(<3.0)	ND(<0.020)	ND(<0.010)	3.8	-	-
RW-1	03/27/13	ND(<50)	-	-	ND(<1.0)	ND(<1.0)	ND(<1.0)	ND(<3.0)	ND(<3.0)	-	-	1.4	-	-
RW-1	06/24/13	ND(<50)	-	-	ND(<1.0)	ND(<1.0)	ND(<1.0)	ND(<3.0)	ND(<3.0)	-	-	-	-	-
RW-1	10/30/13	ND(<50)	-	-	ND(<1.0)	ND(<1.0)	ND(<1.0)	ND(<3.0)	ND(<3.0)	-	-	-	-	-
RW-1	12/20/13	ND(<50)	-	-	ND(<1.0)	ND(<1.0)	ND(<1.0)	ND(<3.0)	ND(<3.0)	-	-	-	-	-
Trip Blank	05/13/15	ND<50	-	-	ND(<1.0)	ND(<1.0)	ND(<1.0)	ND(<3.0)	ND(<3.0)	-	-	-	-	-
Trip Blank	08/13/15	ND<50	-	-	ND(<1.0)	ND(<1.0)	ND(<1.0)	ND(<3.0)	ND(<3.0)	-	-	-	-	-
MTCA Method A Cleanup Levels:		800*	500	500	5	1000	700	1000	20	5	0.01	15	-	-

Notes:

µg/L = micrograms per liter

mg/L = milligrams per liter

ND = Not detected at or above the laboratory reporting limits. Reporting limit in parentheses.

-- = Not sampled, not measured, or not analyzed

TPH - Gasoline - Analysis by Northwest Method NWTPH-G

TPH - Diesel - Analysis by Northwest Method NWTPH-Dx with Silica Gel Cleanup

TPH - Oil - Analysis by Northwest Method NWTPH-Dx with Silica Gel Cleanup

BTEX Compounds - Analysis by EPA Method 8021B

Methyl-tert-Butyl Ether Analysis by EPA Method 8021B or 8260B

EDC (1,2 Dichloroethane) and EDB (1,2 Ethylene dibromide) - Analysis by EPA Method 8260 SIM

Lead - Analysis by EPA 6020

Nitrate and Sulfate - analysis by EPA Method 300.0

*MTCA Method A Cleanup Level for TPH-Gasoline is 1000 µg/L if benzene is not detectable in groundwater.

^a Chromatogram indicates that it is likely that sample contains weathered gasoline.

^b Chromatogram indicates that it is likely that sample contains weathered gasoline. TPH Benzene results bias high due to coeluting compound.

^c Benzene results bias high due to coeluting compound.

¹ Duplicate sample, noted as MW-13 on the COC.

Figures

Figure 1	Site Location Map
Figure 2	Site Map
Figure 3	Site Map with Lines of Geologic Cross Section
Figure 4	Geologic Cross Section C-C'
Figure 5	Geologic Cross Section D-D'
Figure 6	Soil Analytical Concentration Map
Figure 8	Groundwater Analytical Concentration Map

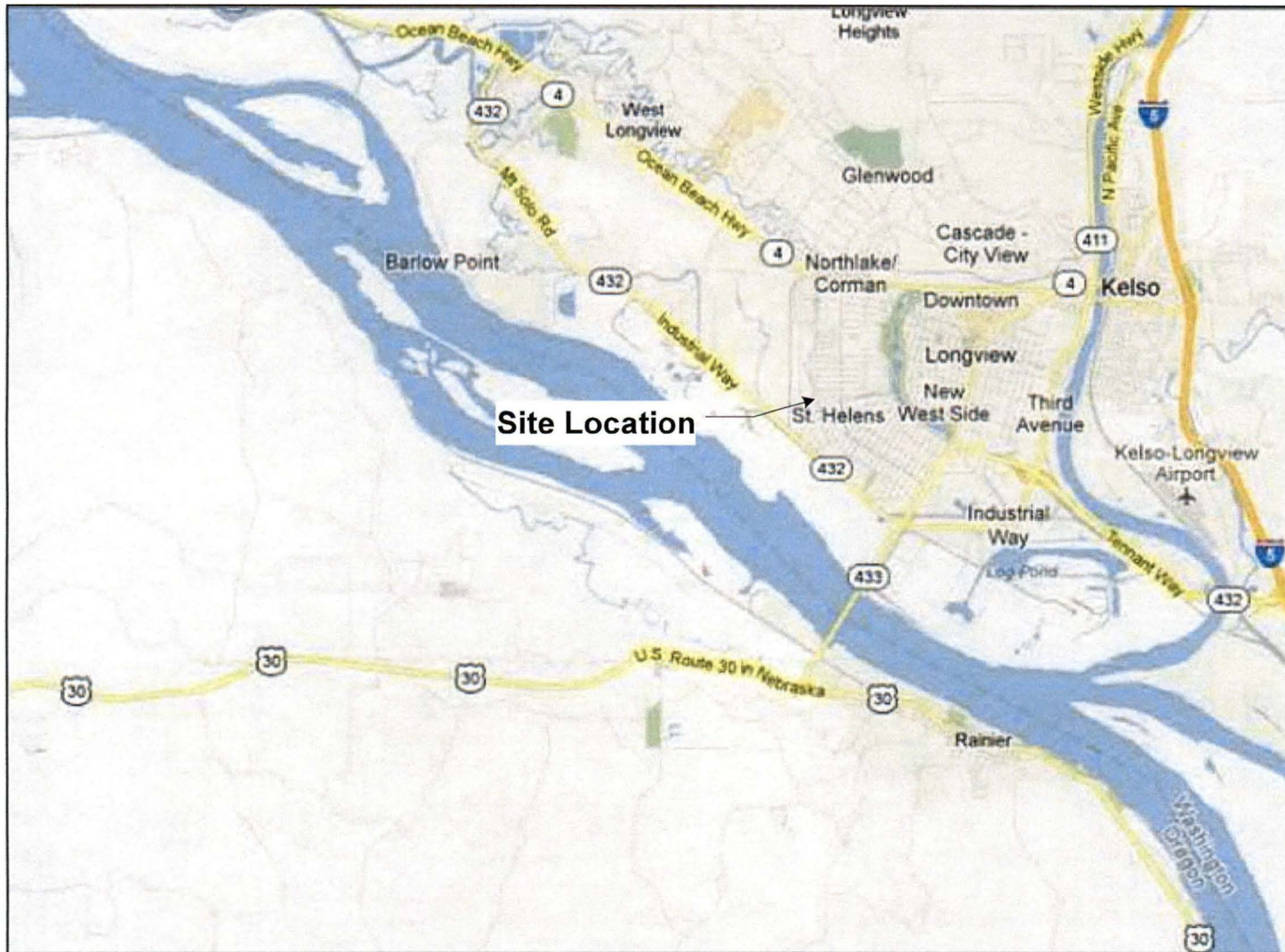
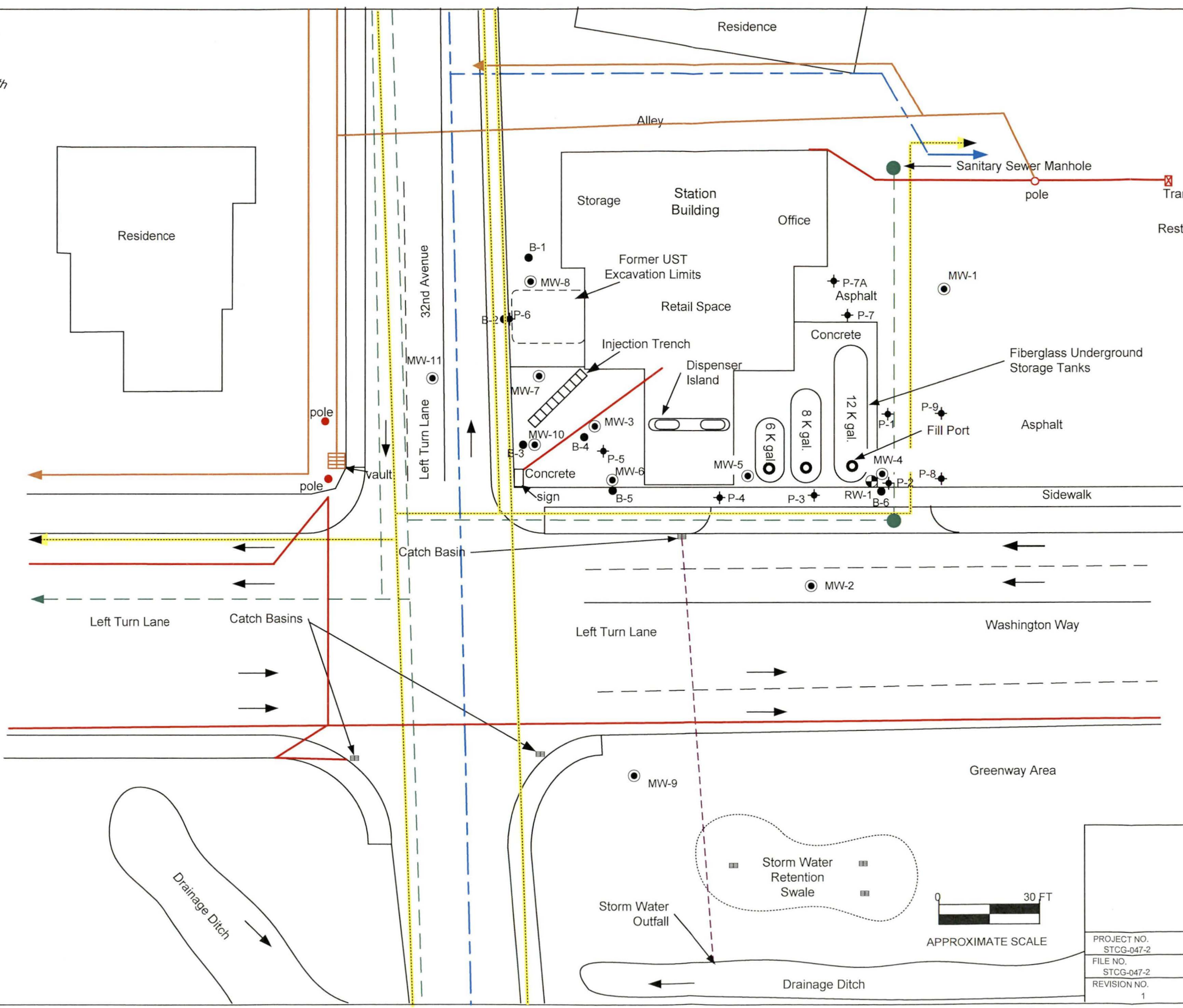


FIGURE 1
SITE LOCATION MAP

MILLER'S MARKET
3152 WASHINGTON WAY
LONGVIEW, WASHINGTON

PROJECT NO. STCG-047-2	DRAWN BY JK 5-12-12
FILE NO. STCG-047-2	PREPARED BY JK
REVISION NO.	REVIEWED BY MM



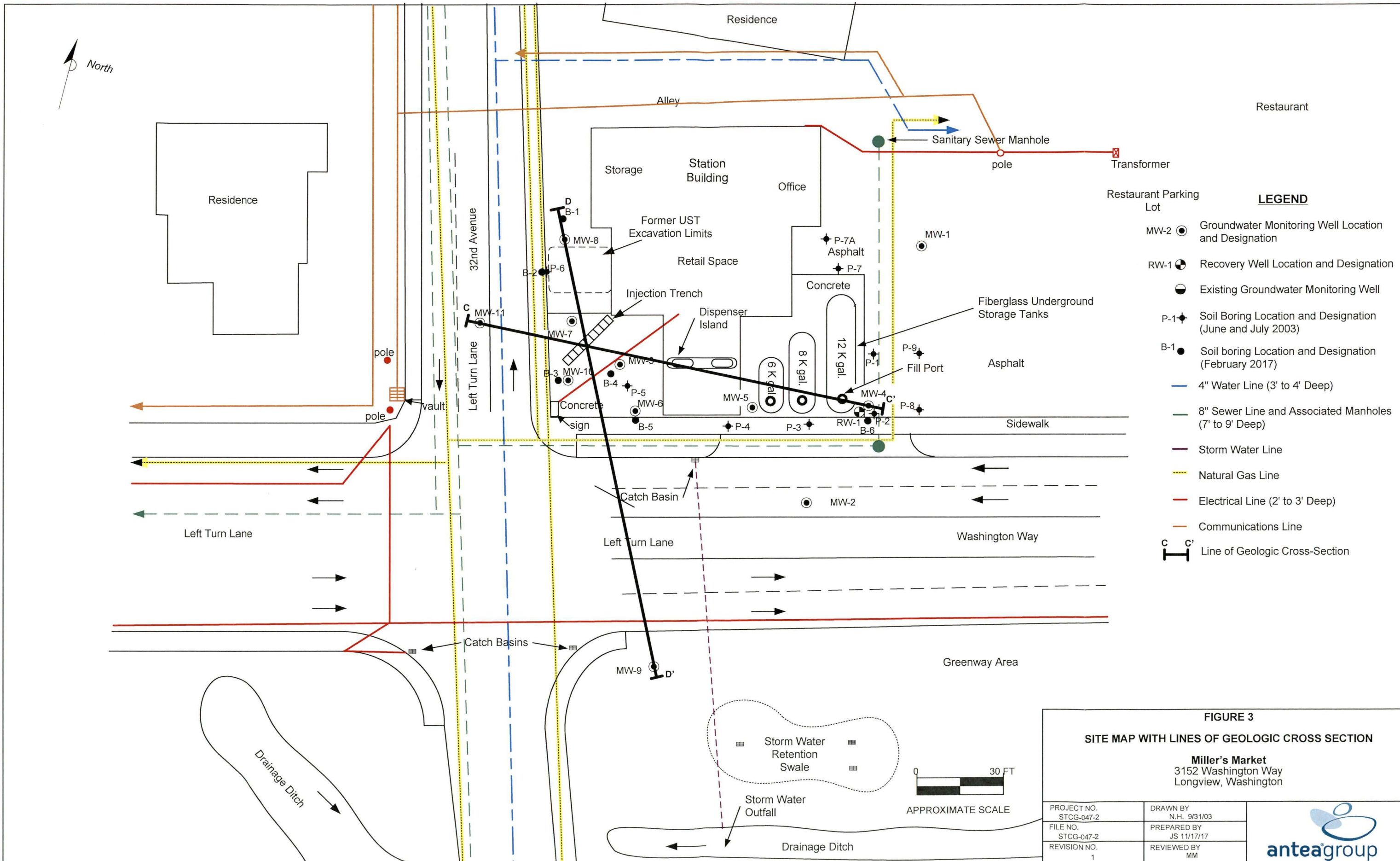


- LEGEND**
- MW-2 ● Groundwater Monitoring Well Location and Designation
 - RW-1 ● Recovery Well Location and Designation
 - Existing Groundwater Monitoring Well
 - P-1 ◆ Soil Boring Location and Designation (June and July 2003)
 - B-1 ● Soil boring Location and Designation (February 2017)
 - 4" Water Line (3' to 4' Deep)
 - 8" Sewer Line and Associated Manholes (7' to 9' Deep)
 - Storm Water Line
 - Natural Gas Line
 - Electrical Line (2' to 3' Deep)
 - Communications Line

FIGURE 2
Site Map
Miller's Market
3152 Washington Way
Longview, Washington

PROJECT NO. STCG-047-2	DRAWN BY N.H. 9/31/03
FILE NO. STCG-047-2	PREPARED BY JS 9/28/17
REVISION NO. 1	REVIEWED BY MM

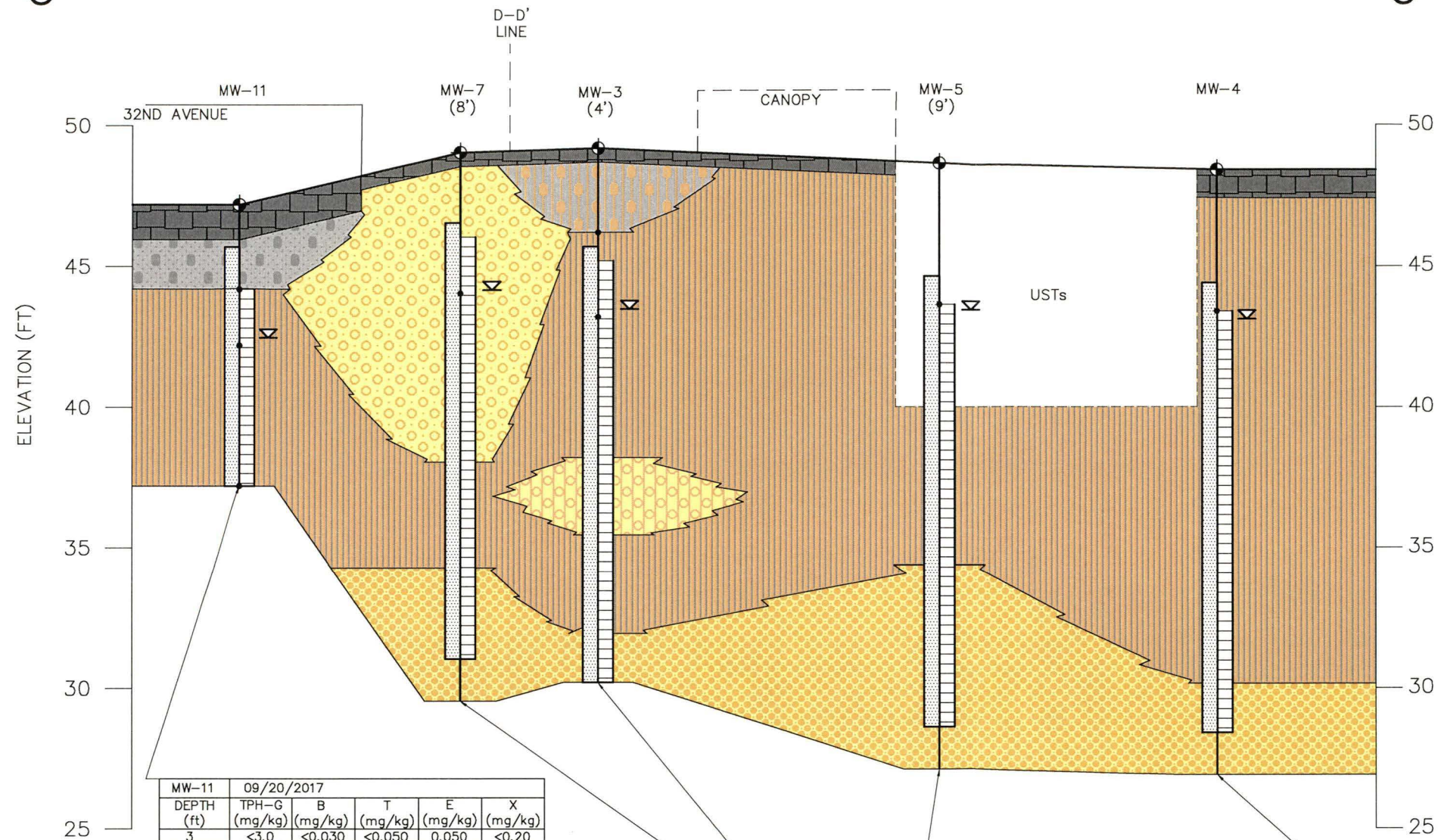




PROJECT NUMBER STCG-0472
 APPROVED BY
 CHECKED BY
 DRAWN BY STCG-0472_XSECTIONS_5.DWG 11/23/2017

NORTHWEST
C

SOUTHEAST
C'



MW-11		09/20/2017				
DEPTH (ft)	TPH-G (mg/kg)	B (mg/kg)	T (mg/kg)	E (mg/kg)	X (mg/kg)	
3	<3.0	<0.030	<0.050	0.050	<0.20	
5	<3.0	<0.030	<0.050	0.050	<0.20	
10	<3.0	<0.030	<0.050	0.050	<0.20	

MW-7		11/21/2005					
DEPTH (ft)	TPH-G (mg/kg)	TPH-D (mg/kg)	TPH-O (mg/kg)	B (mg/kg)	T (mg/kg)	E (mg/kg)	X (mg/kg)
5	<3	<25	<50	<0.03	<0.05	<0.05	<0.2

MW-3		11/05/2003				
DEPTH (ft)	TPH-G (mg/kg)	B (mg/kg)	T (mg/kg)	E (mg/kg)	X (mg/kg)	
3	190	<1.0	<0.2	0.6	0.9	
6	380	0.6	0.7	2.4	3.5	

MW-4		10/27/2005					
DEPTH (ft)	TPH-G (mg/kg)	TPH-D (mg/kg)	TPH-O (mg/kg)	B (mg/kg)	T (mg/kg)	E (mg/kg)	X (mg/kg)
5	15	<26	<52	<0.03	<0.05	0.05	<0.2

MW-5		11/21/2005					
DEPTH (ft)	TPH-G (mg/kg)	TPH-D (mg/kg)	TPH-O (mg/kg)	B (mg/kg)	T (mg/kg)	E (mg/kg)	X (mg/kg)
5	<4	<26	<51	<0.04	<0.07	<0.07	<0.2

LEGEND

- WELL
- SAMPLE INTERVAL TOP
- FILTER PACK INTERVAL
- ∇ — GROUNDWATER ELEVATION OCTOBER 4, 2017
- SCREENED INTERVAL
- MAXIMUM DEPTH EXPLORED
- SOIL CONTACT DISTANCE PROJECTED ONTO LINE OF CROSS SECTION (9')

SOIL ANALYTICAL PARAMETERS

- TPH-G TOTAL PETROLEUM HYDROCARBONS AS GASOLINE (mg/kg)
- TPH-D TOTAL PETROLEUM HYDROCARBONS AS DIESEL (mg/kg)
- TPH-O TOTAL PETROLEUM HYDROCARBONS AS OIL (mg/kg)
- B BENZENE (mg/kg)
- T TOLUENE (mg/kg)
- E ETHYLBENZENE (mg/kg)
- X TOTAL XYLENES (mg/kg)
- mg/kg MILLIGRAMS PER KILOGRAM
- <25 LESS THAN THE LABORATORY REPORTING LIMIT

SOIL CONTACT DISTANCE PROJECTED ONTO LINE OF CROSS SECTION (9')

- PAVEMENT/ASPHALT/CONCRETE
- SP= POORLY-GRADED SANDS, GRAVELLY SANDS, LITTLE OR NO FINES
- ML= INORGANIC SILTS AND VERY FINE SANDS, ROCK FLOUR, SILTY OR CLAYEY FINE SANDS OR CLAYEY SILTS, WITH SLIGHT PLASTICITY
- SW= WELL-GRADED SANDS, GRAVELLY SANDS, LITTLE OR NO FINES
- SM= SILTY-SANDS, SAND-SILT MIXTURES
- GM= SILTY GRAVELS, GRAVEL-SAND-SILT MIXTURES
- GP= POORLY-GRADED GRAVELS, GRAVEL-SAND MIXTURES, LITTLE OR NO FINES

BOLD VALUES INDICATE EXCEEDANCE OF MTCA METHOD A CLEANUP LEVELS

0 10 20
HORIZONTAL SCALE

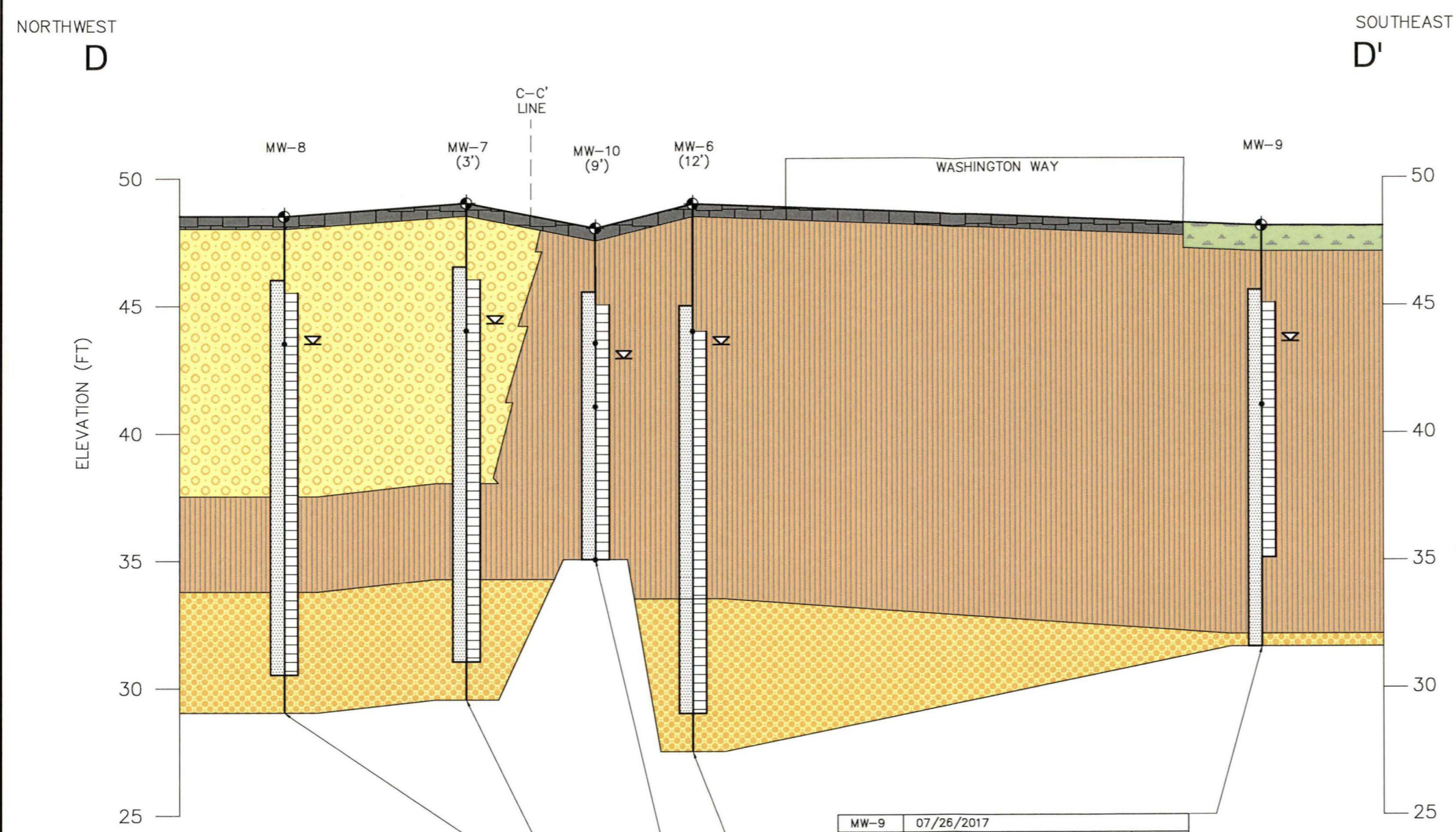
0 2.5 5
VERTICAL SCALE



FIGURE 4
 GEOLOGIC CROSS SECTION C-C'

MILLER'S MARKET
 3152 WASHINGTON WAY
 LONGVIEW, WASHINGTON

PROJECT NUMBER STCG-0472
 APPROVED BY
 CHECKED BY
 DRAWN BY ICD 11/23/2017
 FILENAME STCG-0472_XSECTIONS_5.DWG



LEGEND

- WELL
- SAMPLE INTERVAL TOP
- FILTER PACK INTERVAL
- GROUNDWATER ELEVATION OCTOBER 4, 2017
- SCREENED INTERVAL
- MAXIMUM DEPTH EXPLORED

SOIL CONTACT
 DISTANCE PROJECTED ONTO LINE OF CROSS SECTION

(3')

- GRASS
- PAVEMENT/ASPHALT/CONCRETE
- SP= POORLY-GRADED SANDS, GRAVELLY SANDS, LITTLE OR NO FINES
- ML= INORGANIC SILTS AND VERY FINE SANDS, ROCK FLOUR, SILTY OR CLAYEY FINE SANDS OR CLAYEY SILTS, WITH SLIGHT PLASTICITY
- SW= WELL-GRADED SANDS, GRAVELLY SANDS, LITTLE OR NO FINES

SOIL ANALYTICAL PARAMETERS

TPH-G	TOTAL PETROLEUM HYDROCARBONS AS GASOLINE (mg/kg)
TPH-D	TOTAL PETROLEUM HYDROCARBONS AS DIESEL (mg/kg)
TPH-O	TOTAL PETROLEUM HYDROCARBONS AS OIL (mg/kg)
B	BENZENE (mg/kg)
T	TOLUENE (mg/kg)
E	ETHYLBENZENE (mg/kg)
X	TOTAL XYLENES (mg/kg)
mg/kg	MILLIGRAMS PER KILOGRAM
<25	LESS THAN THE LABORATORY REPORTING LIMIT

BOLD VALUES INDICATE EXCEEDANCE OF MTCA METHOD A CLEANUP LEVELS

MW-8		11/21/2005						
DEPTH (ft)	TPH-G (mg/kg)	TPH-D (mg/kg)	TPH-O (mg/kg)	B (mg/kg)	T (mg/kg)	E (mg/kg)	X (mg/kg)	
5	<3	<25	<50	<0.03	<0.05	<0.05	<0.2	

MW-7		11/21/2005						
DEPTH (ft)	TPH-G (mg/kg)	TPH-D (mg/kg)	TPH-O (mg/kg)	B (mg/kg)	T (mg/kg)	E (mg/kg)	X (mg/kg)	
5	<3	<25	<50	<0.03	<0.05	<0.05	<0.2	

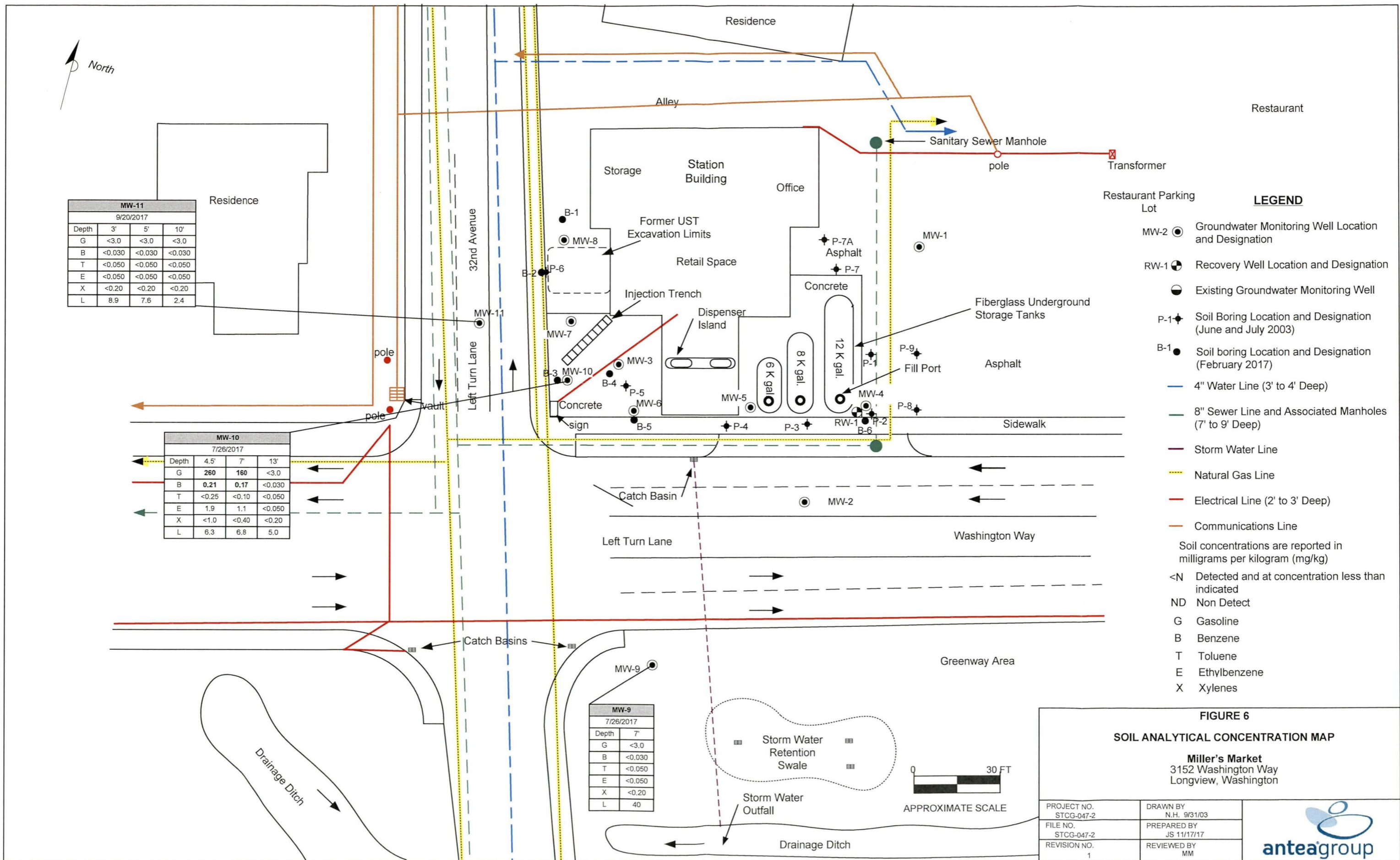
MW-9		07/26/2017				
DEPTH (ft)	TPH-G (mg/kg)	B (mg/kg)	T (mg/kg)	E (mg/kg)	X (mg/kg)	
7	<3.0	<0.030	<0.050	<0.050	<0.20	

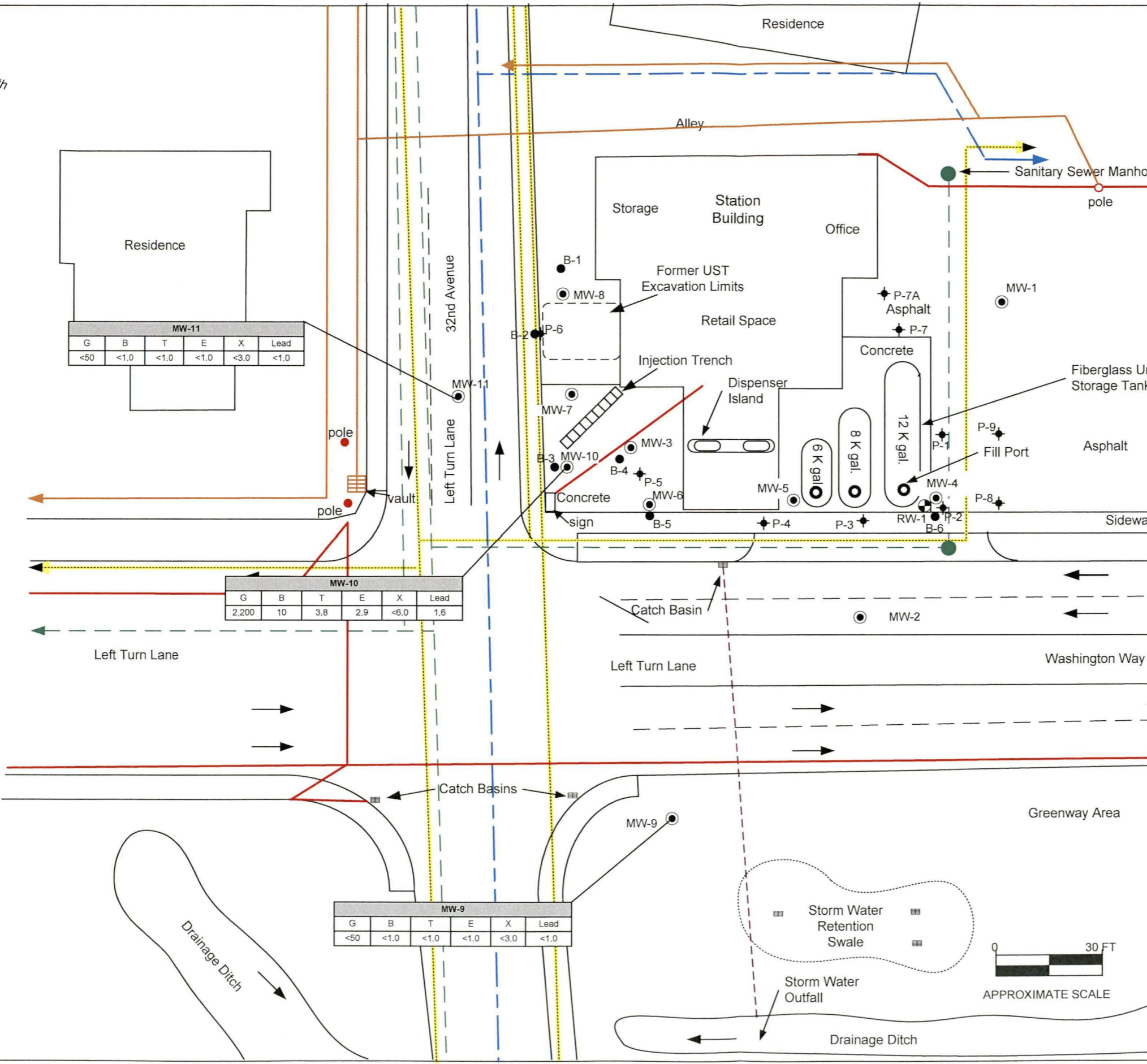
MW-6		11/21/2005					
DEPTH (ft)	TPH-G (mg/kg)	TPH-D (mg/kg)	TPH-O (mg/kg)	B (mg/kg)	T (mg/kg)	E (mg/kg)	X (mg/kg)
5	320	<28	<56	<0.07	<0.1	1.2	0.6

MW-10		07/26/2017				
DEPTH (ft)	TPH-G (mg/kg)	B (mg/kg)	T (mg/kg)	E (mg/kg)	X (mg/kg)	
4.5	260	0.21	<0.25	1.9	1.0	
7	160	0.17	<0.10	1.1	<0.40	
13	<3.0	<0.030	<0.050	0.050	<0.20	

FIGURE 5
 GEOLOGIC CROSS SECTION D-D'

MILLER'S MARKET
 3152 WASHINGTON WAY
 LONGVIEW, WASHINGTON





LEGEND


- MW-2 ● Groundwater Monitoring Well Location and Designation
- RW-1 ● Recovery Well Location and Designation
- Existing Groundwater Monitoring Well
- P-1 ♦ Soil Boring Location and Designation (June and July 2003)
- B-1 ● Soil boring Location and Designation (February 2017)
- 4" Water Line (3' to 4' Deep)
- 8" Sewer Line and Associated Manholes (7' to 9' Deep)
- Storm Water Line
- Natural Gas Line
- Electrical Line (2' to 3' Deep)
- Communications Line

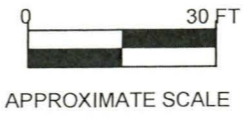
G Gasoline $\mu\text{g/L}$
 B Benzene $\mu\text{g/L}$
 T Toluene $\mu\text{g/L}$
 E Ethylbenzene $\mu\text{g/L}$
 X Xylenes $\mu\text{g/L}$

<N Non Detect
 $\mu\text{g/L}$ Micrograms per Liter
 NS Not Sampled

FIGURE 7
GROUNDWATER ANALYTICAL CONCENTRATION MAP
Miller's Market
 3152 Washington Way
 Longview, Washington

PROJECT NO. STCG-047-2	DRAWN BY N.H. 9/31/03
FILE NO. STCG-047-2	PREPARED BY JS 11/17/17
REVISION NO. 1	REVIEWED BY MM


antegrp



*Soil Boring Installation Report
Miller's Market
3152 Washington Way, Longview, Washington 98632*



Appendix A

Permit and Traffic Control Plan

CITY ENGINEER'S OFFICE
CITY OF LONGVIEW
P.O. BOX 128, LONGVIEW
442-5200

PERMIT NO. 2017-096
ISSUED 6-14-17
FEE \$ 125.00
FEE RECEIVED \$ 125.00
RECEIPT # 0374
FIN. REF # _____

KEY # 5 APPLICATION TO PERFORM WORK ON PUBLIC RIGHT OF WAY

APPLICATION

DATE PERMIT VOIDED

THE UNDERSIGNED HEREBY MAKES APPLICATION TO:

Drill two soil borings down to 15' within right-of ways across the streets from our project site, to be completed as monitoring wells. The Geoprobe rig will be parked off the road to drill the south boring. The rig will be parked in the south bound lane of 32nd for the west boring. Drilling will take approx. 1.5 to 2 hours per location in one day.

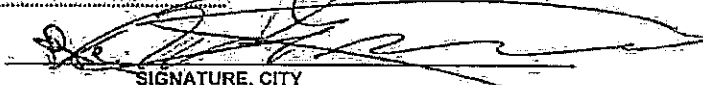
LOCATION

One boring is to be in the green-way on the south side of Washington Way next to 32nd Ave in Longview, WA. The second well is to be in the right of way on the west side of 32nd Ave next to Washington Way.

AND AGREES TO PERFORM THE WORK IN STRICT COMPLIANCE WITH THE PROVISIONS ENUMERATED BELOW AND STATES THAT HE/SHE HAS READ AND WILL ADHERE TO THE GENERAL PROVISIONS APPLICABLE TO PERMITS CONTAINED ON THE SECOND SHEET OF THIS FORM.

NAME Matthew Miller PHONE # 425-498-7722
ADDRESS 4006 148th Avenue NE WORK ORDER # stcg0472 0080
Redmond, WA 98052


SIGNATURE, PERMITTEE


SIGNATURE, CITY

PROPOSED STARTING DATE OF INSTALLATION July 3 INSTALLATION DURATION 1 day

PERMIT

2017

PERMISSION IS HEREBY GRANTED TO PERFORM THE ABOVE-DESCRIBED WORK SUBJECT TO THE GENERAL PROVISIONS ON THE REVERSE SIDE OF THIS FORM, AND THE FOLLOWING SPECIAL CONDITIONS

SPECIAL CONDITIONS

RESTORE P.O.W TO ORIGINAL CONDITION
SEE ATTACHED PLAN SHEET, STANDARD, UTILITIES & TRAFFIC CONDITIONS.

MORE SPECIAL CONDITIONS

THE CITY ENGINEER'S OFFICE (442-5200) MUST BE CONTACTED TO REQUEST AN INSPECTION 24 HOURS BEFORE BACKFILLING TRENCHES OR REPAIRING PAVEMENT.

THE UNDERGROUND UTILITIES COORDINATING COUNCIL (1-800-424-5555) MUST BE CONTACTED TWO (2) WORKING DAYS BEFORE PROCEEDING WITH ANY EXCAVATION ASSOCIATED WITH THIS PERMIT.

A BOND IN THE AMOUNT OF _____ IS REQUIRED TO INSURE COMPLIANCE WITH THE ABOVE CONDITIONS, REFUNDABLE UPON SATISFACTORY COMPLETION OF WORK.

NO WORK SHALL BE DONE UNDER THIS PERMIT UNTIL THE PARTY OR PARTIES TO WHOM IT IS GRANTED SHALL HAVE COMMUNICATED WITH AND RECEIVED INSTRUCTION FROM

REMARKS

LONGVIEW CITY ENGINEER

FIRST INSPECTION DATE _____

INSPECTOR _____

Right of Way Permit Plan Review

1. Include general permit conditions with permit.
2. Call 360-442-5200 to schedule pre-construction meeting prior to work within right of way and after locates are complete.
3. Maintain City standard minimum utility clearances (4' horizontal & 12" vertical) (10 feet between water/sewer). Crossing shall be perpendicular to the roadway. Pothole to verify clearances. Contact the City Engineering Department @ 360.442.5200 after locates if clearance can't be maintained.
4. All work shall be in accordance with the latest edition of the City Standards (these can be found on the City of Longview web site).
5. All work shall be in accordance with the included general permit conditions.
6. Restore all work within R-O-W to original conditions or better per City standards.
7. Traffic control shall be in accordance with the MUTCD.

City of Longview

ROW Permit Review Conditions – Utilities Department

Address: 3152 Washington way Date: 6-13-17

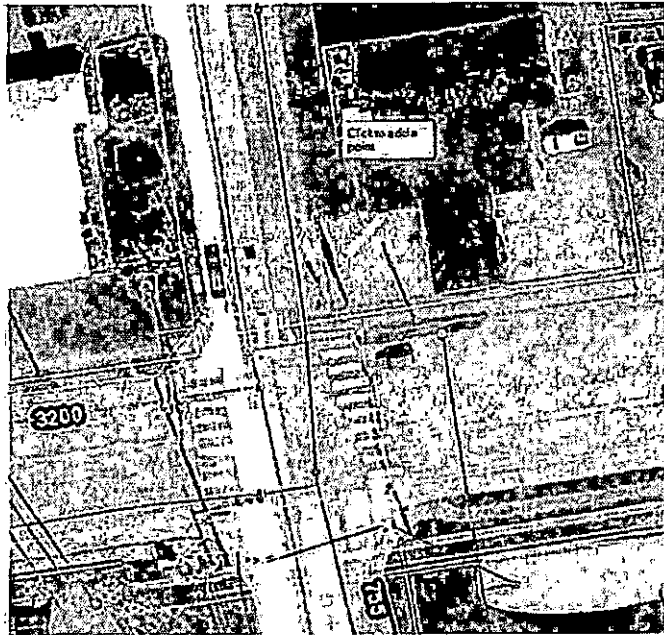
Reviewers: Coleman, Axford, Hamilton, Steveson, Rickman

John Axford
Utilities Engineer
Ph: 360.442.5220

Standard Comments:

1. Call for Locates
2. Pothole all utilities to verify depths and horizontal alignment.
3. No poles shall be set within 5' of utility.
4. If setting a pole within 5' of a utility is unavoidable, call 442-5705

Additional Comments:



City of Longview

ROW Permit Review Conditions Traffic Department

3152 Washington Way 06/14/2017

We have no comments. Traffic control plan is appropriate for the work being proposed.

Manuel Abarca

Traffic Engineer

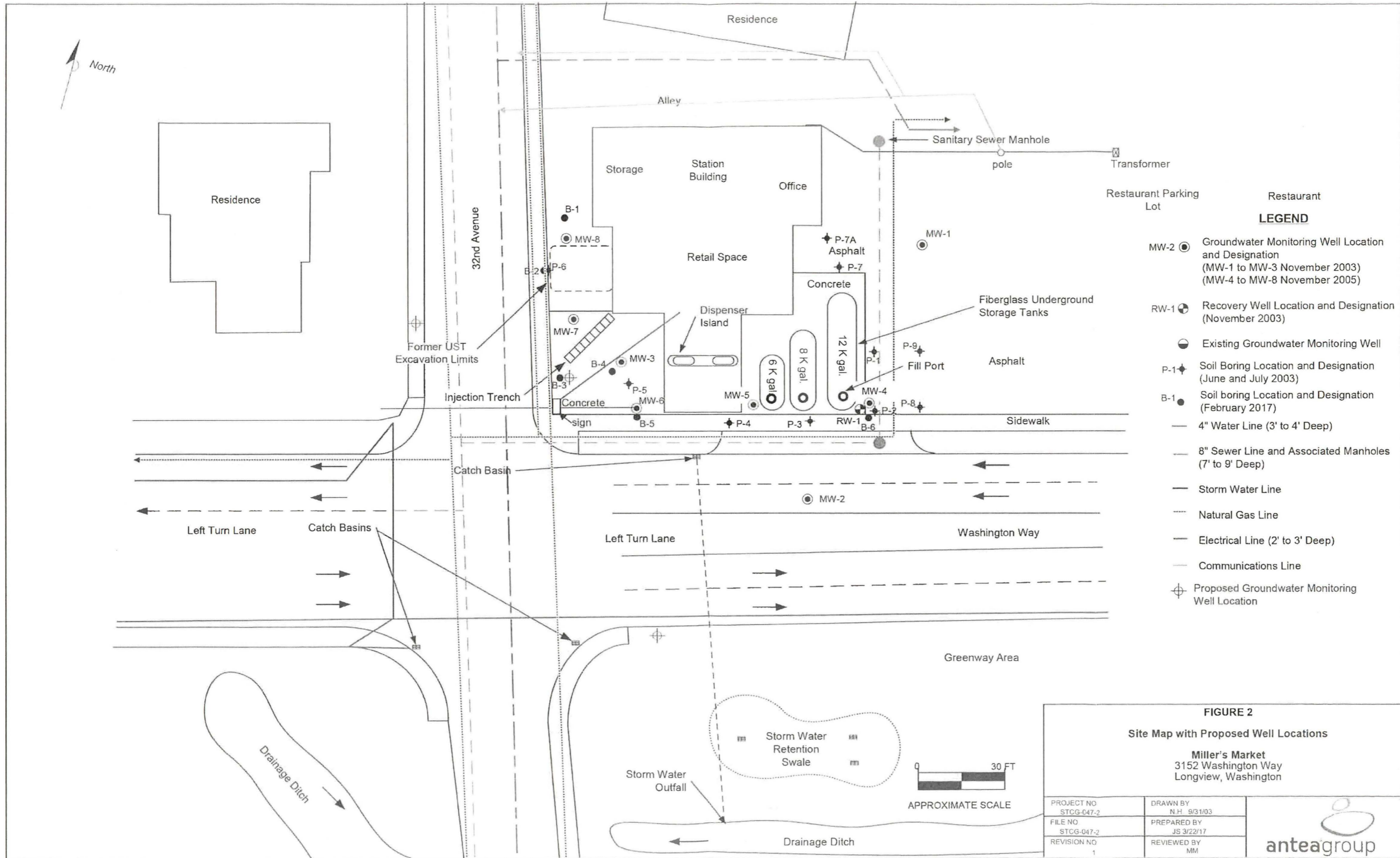
City of Longview

360.442.5224

3152 Washington Way
Millers Market
(Environmental Borings in the Right-of-Way)
Stormwater Conditions

1. **During work, cover temporary boring spoils in the right-of-way if they can be exposed to rain causing dirty runoff to the municipal stormwater system. Likewise, clean the road surface good when complete. Please advise the City Stormwater Division (360)442-5299 if any plume/contamination related to this project is identified within the right-of-way area so we may advise others who may be doing underground work in this area.**
2. All projects must control erosion, pollutants, and satisfy the general standards for drainage as outlined in the Longview Stormwater Manual (Manual) found at www.cleanstormwater.org. In general this means:
 - a) Prevent erosion and control sediment; see Section 3 of the Manual.
 - b) Protect the public right-of-way, storm drain inlets, roadside ditches, receiving waters, and adjoining properties from the discharge of sediments and other pollutants, from material deposition, and from increased flow rates caused by the project.
 - c) Keep affected street and or sidewalk clean on a daily basis and upon completion.
 - d) Do not allow concrete wash out to occur on the street or enter the storm drain system.
 - e) Stabilize disturbed soils (Ex. Mulch, Seeding with mulch to match existing).
 - f) Remove temporary erosion controls (e.g. inlet protectors) upon completion or until the need ceases whichever comes first.
 - g) Prepare and implement a dewatering plan if needed.


Do not discharge contaminated liquids to the ground or stormwater. Such practice will be considered a willful violation of LMC 17.80 and subject to enforcement.



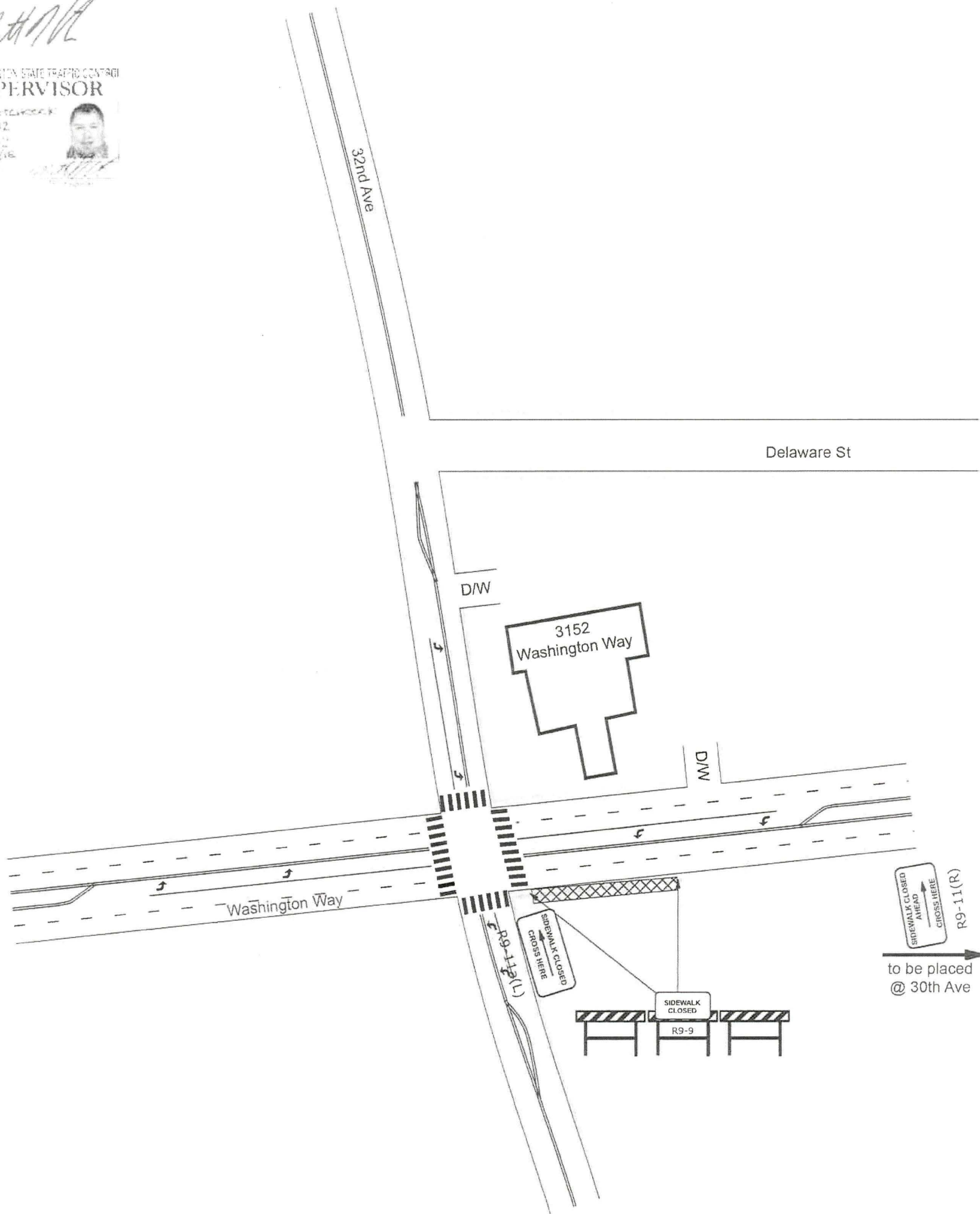
- LEGEND**
- MW-2 ● Groundwater Monitoring Well Location and Designation (MW-1 to MW-3 November 2003) (MW-4 to MW-8 November 2005)
 - RW-1 ● Recovery Well Location and Designation (November 2003)
 - Existing Groundwater Monitoring Well
 - P-1 ◆ Soil Boring Location and Designation (June and July 2003)
 - B-1 ● Soil boring Location and Designation (February 2017)
 - 4" Water Line (3' to 4' Deep)
 - 8" Sewer Line and Associated Manholes (7' to 9' Deep)
 - Storm Water Line
 - Natural Gas Line
 - Electrical Line (2' to 3' Deep)
 - Communications Line
 - ⊕ Proposed Groundwater Monitoring Well Location

FIGURE 2
Site Map with Proposed Well Locations
Miller's Market
 3152 Washington Way
 Longview, Washington

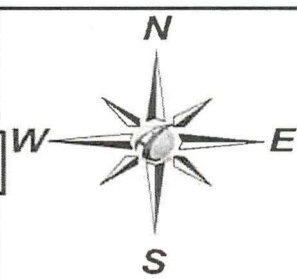
PROJECT NO STCG-047-2	DRAWN BY N.H. 9/31/03
FILE NO STCG-047-2	PREPARED BY JS 3/22/17
REVISION NO 1	REVIEWED BY MM


anteagroup

REQUESTED DATES: _____	ADDRESS: 3152 Washington Way Longview, WA 98632	PERMIT: _____
WORK HOURS: _____		



Speed (MPH)	Taper Length In Feet				CHANNELIZATION DEVICE SPACING			SIGN SPACING			
	LANE WIDTH 10FT	LANE WIDTH 11FT	LANE WIDTH 12FT	LONG BUFFER	MPH	TAPER	TANGENT	ROAD TYPE	A	B	C
25 or less	105'	115'	125'	90'	65	40	130	Urban Low Speed	100'	100'	100'
30	150'	165'	180'	90'	60	40	120		(Seattle 150' SeaTac 200')	(Seattle 150' SeaTac 200')	(Seattle 150' SeaTac 200')
35	205'	225'	245'	120'	55	40	110	Urban High Speed	350'	350'	350'
40	270'	295'	320'	155'	50	40	100		500'	500'	500'
45	450'	495'	540'	195'	45	40	90	Rural	500'	500'	500'
50	500'	550'	600'	240'	40	40	80		1000'	1500'	2640'
55	550'	605'	660'	295'	35	35	70	Expressway/ Freeway	1000'	1500'	2640'
60	600'	660'	720'	350'	30	30	60				
65	650'	725'	780'	410'	25	25	50				
70	700'	770'	840'	475'							
75	750'	825'	900'	540'							
80	800'	880'	960'	610'							



Summary of Devices
 2 - T2 w/ Sidewalk Closed
 4 - T2 Sawhorse
 2 - Sidewalk Closed Cross here (1R, 1L)

ALTUS
 (720) 343-2335
 Location: 3152 Washington Way
 Longview, WA 98632
 For: Antea@Group
 Name: Jaime Sasse 425 498 7726
 Date: May 23, 2017
 Drawn By: Matt Hitchcock
 ATTSA Cert#: 59042
 Job#: PO# STCG0472.0080

Across America, Altus Traffic is the trusted name for:

- Traffic management
- Flagging
- Traffic control, and
- Traffic management plans.

MHT#1
 NOT DRAWN TO SCALE
 REVIEWED:

LEGEND			
	Type 3 Barricade		Chaperoning Device
	Heavy Work Vehicle		Truck Mounted Attenuator
	Truck Mounted Attenuator		Flashing Arrow Sign (FAS)
	Sign		Traffic Flow
	No Parking sign		Unimounted Traffic Officer
	Flagger		Advance Warning Sign

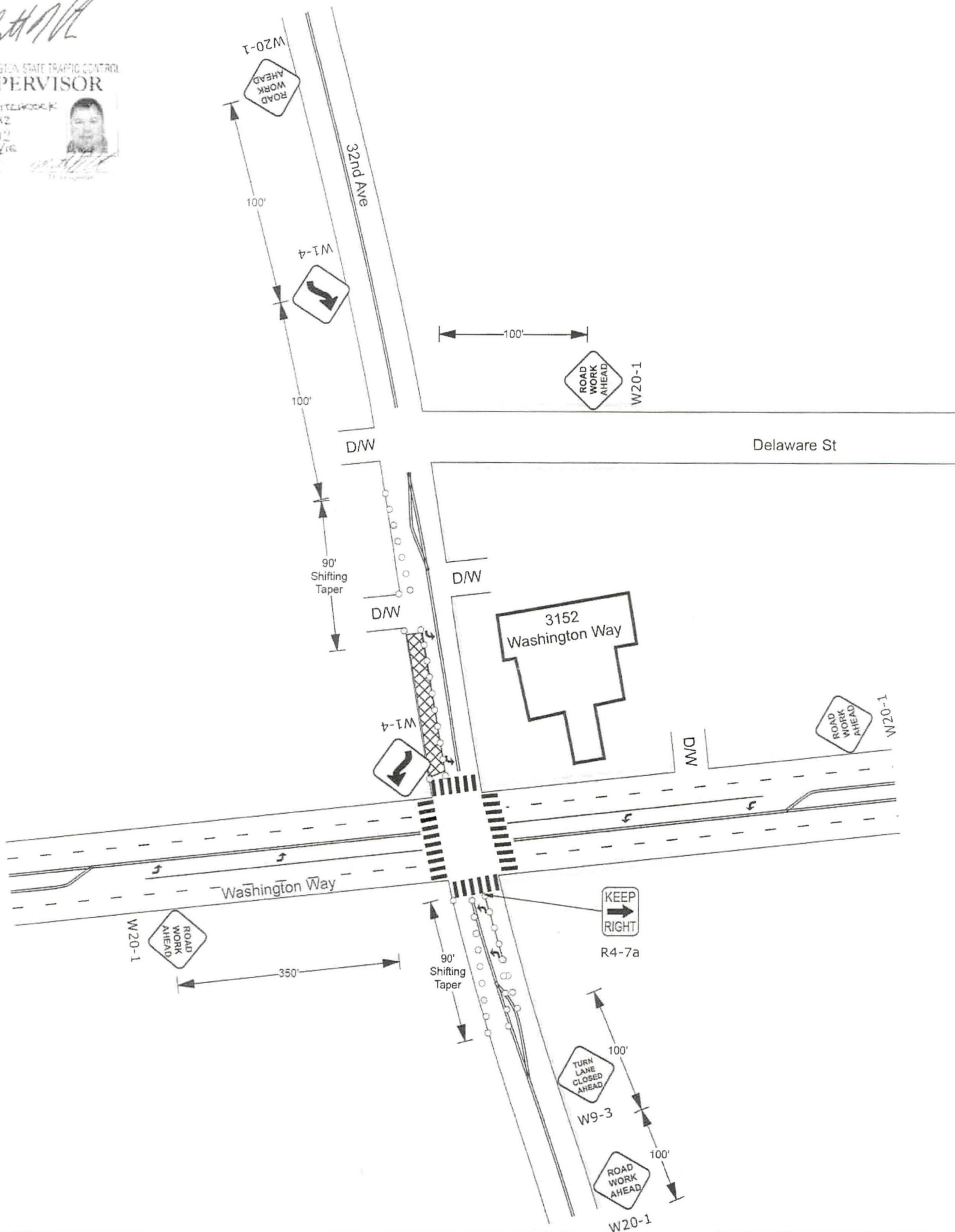
Sidewalk Closure

NOTES:
****NO PARKING SIGNS TO BE SET 24 HOURS PRIOR TO WORK****
**** ALL DEVICES TO CONFORM TO CURRENT MUTCD****

REQUESTED DATES: _____
 WORK HOURS: _____

ADDRESS:
 3152 Washington Way
 Longview, WA 98632

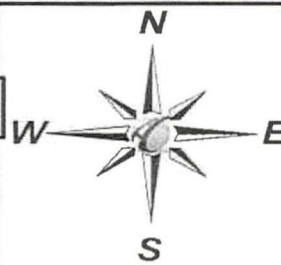
PERMIT:



Taper Length In Feet					CHANNELIZATION DEVICE SPACING			SIGN SPACING			
Speed (MPH)	LANE WIDTH 10FT	LANE WIDTH 11FT	LANE WIDTH 12FT	LONG BUFFER	MPH	TAPER	TANGENT	ROAD TYPE	A	B	C
25 or less	105'	115'	125'	90'	65	40	130	Urban Low Speed	100'	100'	100'
30	150'	165'	180'	90'	60	40	120		100'	100'	100'
35	205'	225'	240'	120'	55	40	110		100'	100'	100'
40	270'	295'	320'	155'	50	40	100	Urban High Speed	350'	350'	350'
45	450'	495'	540'	195'	45	40	90		350'	350'	350'
50	500'	550'	600'	240'	40	40	80		350'	350'	350'
55	550'	605'	660'	295'	35	35	70	Rural	500'	500'	500'
60	600'	660'	720'	350'	30	30	60		500'	500'	500'
65	650'	725'	780'	410'	25	25	50		500'	500'	500'
70	700'	770'	840'	475'				Expressway/ Freeway	1000'	1500'	2640'
75	750'	825'	900'	540'					1000'	1500'	2640'
80	800'	880'	960'								

LEGEND	
	Type 3 Bumpout
	Heavy Work Vehicle
	Sign
	No Parking Sign
	Flagger
	Channelization Device
	Type Mounted Attenuator
	Portable Changeable Message Sign (PCMS)
	Traffic Flow
	Unmarked Traffic Officer
	Advance Warning Sign

<p>ALTUS (720) 343-2335</p> <p>Across America, Altus Traffic is the trusted name for: •Traffic management •Flagging •Traffic control, and •Traffic management plans.</p>	<p>MHT#2</p> <p>NOT DRAWN TO SCALE</p> <p>REVIEWED:</p>	<p>Lane Shift</p> <p>NOTES:</p> <p>**NO PARKING SIGNS TO BE SET 24 HOURS PRIOR TO WORK**</p> <p>** ALL DEVICES TO CONFORM TO CURRENT MUTCD**</p>
------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	----------------------------------------------------------------	-----------------------------------------------------------------------------------------------------------------------------------------------------------------------



- Summary of Devices**
- 5 - 48" Road Work Ahead
 - 1 - 48" Turn lane Closed Ahead
 - 2 - 48" Reverse Curve
 - 1 - Keep Right
 - 30 - Cones

Location: 3152 Washington Way
 Longview, WA 98632
 For: Antea@Group
 Name: Jaime Sasse 425 498 7726
 Date: May 23, 2017
 Drawn By: Matt Hitchcock
 ATTSA Cert#: 59042
 Job#: PO# STCG0472.0080



Cash Receipt Form Engineering

Receipt Number

006374

Date

6-29-17

Ref.

R-080003

Payor

Antea Group

T	FND	DP	BAS	EL	OBJ	SUB	DESCRIPTION	TRANS CODE	AMOUNT	
R	001	00	322	90	00	004	Right of Way Permit Permit No. 2017 196	2201	175	00
R	001	00	341	50	00	000	Sale of Maps / Publications / Plans & Specs (Dept-owned materials)	2202		
R	001	00	341	60	00	003	General Copying Charges (Customer-owned materials)	2203		
R	001	00	343	20	00	001	Engineering Spec. Inspection Fees (Public Improvement Permit/Plat Check Fee) Permit No. _____	2204		
R	001	00	395	10	00	000	Proceeds - Sale of Fixed Assets (Right of Way Vacations)	2207		
R	001	00	369	90	00	099	Other Miscellaneous Revenue (Banner Permit Fee)	0100		
R	330	00	368	00	00	100	Sidewalk Repairs - _____	2210		
R	411	00	369	90	00	050	Recording Fees	0100		

Currency/Coin

Credit Card

Checks

Total Received

100004

175 00

Direct Deposit

Prepared by

Audited by

MAV

REQUESTED DATES: _____
 WORK HOURS: _____

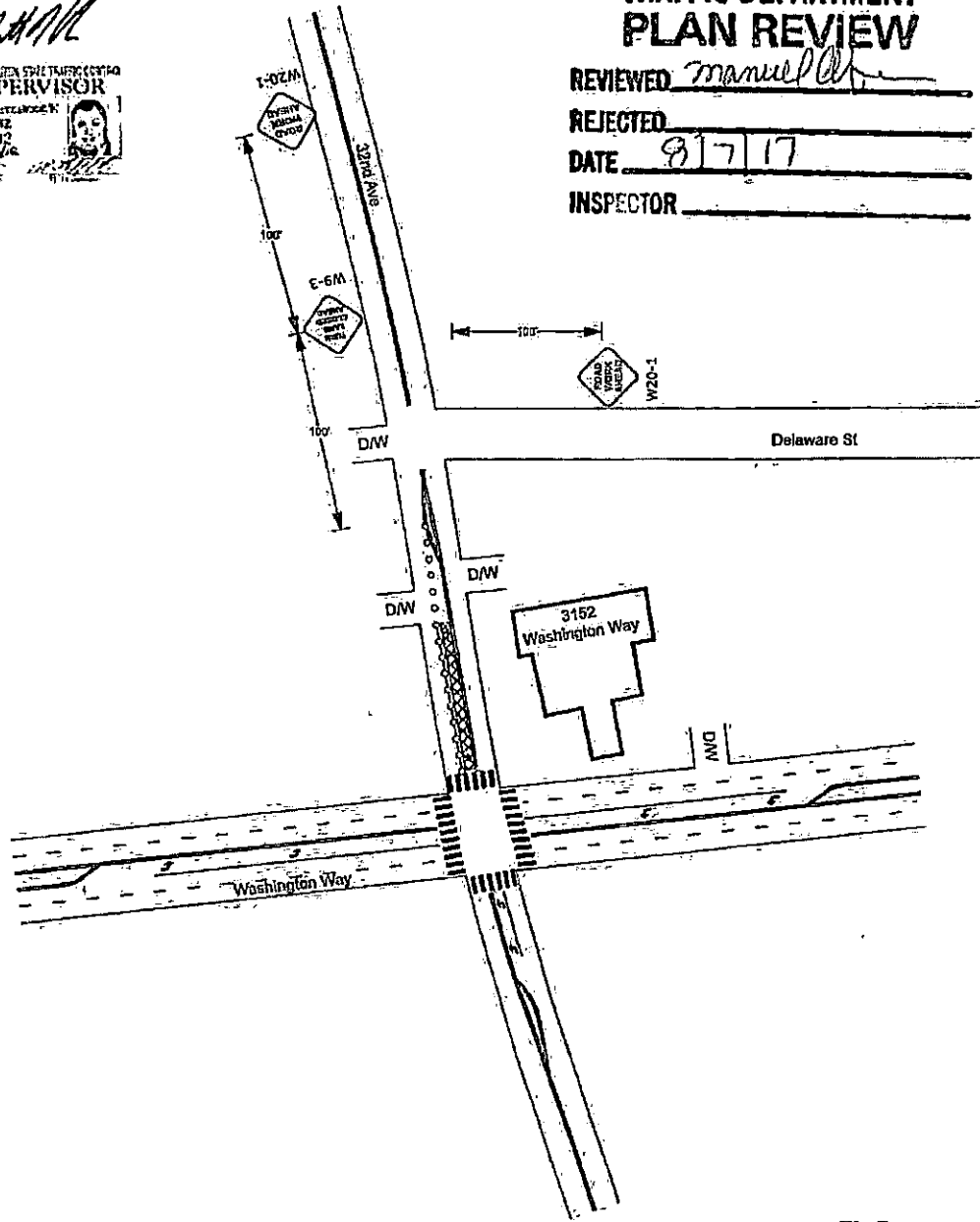
ADDRESS:
 3152 Washington Way
 Longview, WA 98632

PERMIT: _____



TRAFFIC DEPARTMENT PLAN REVIEW

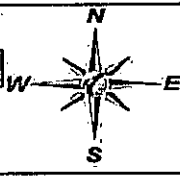
REVIEWED manuel
 REJECTED _____
 DATE 8/7/17
 INSPECTOR _____



Speed (mph)	Taper Length (ft)	Lane Width (ft)	Clear Width (ft)	Sign Spacing (ft)
15	100	110	110	100
20	150	110	110	100
25	200	110	110	100
30	250	110	110	100
35	300	110	110	100
40	350	110	110	100
45	400	110	110	100
50	450	110	110	100
55	500	110	110	100
60	550	110	110	100
65	600	110	110	100
70	650	110	110	100
75	700	110	110	100
80	750	110	110	100
85	800	110	110	100
90	850	110	110	100
95	900	110	110	100
100	950	110	110	100

MPH	TAPER	TANGENT	ROAD TYPE
55	40	130	Urban
60	40	120	Urban
65	40	110	Urban
70	40	100	Urban
75	40	90	Urban
80	40	80	Urban
85	40	70	Urban
90	35	60	Urban
95	30	50	Urban
100	30	40	Urban

ROAD TYPE	A	B	C
Urban	100'	100'	100'
Suburban	350'	350'	350'
Rural	500'	500'	500'
Expressway	1000'	1500'	2500'



Summary of Devices
 2 - 48" Road Work Ahead
 1 - 48" Turn Lane Closed Ahead
 30 - Cones

ALTUS
 (720) 243-2335
 Location: 3152 Washington Way, Longview, WA 98632
 Project: Altus Group, Johns Street 435 400 7726
 Date: July 28, 2017
 Drawn By: Matt Hitchcock
 ATTSA Cert#: 59042
 Job#: PDR STCO-0472-0280

MHT#2
 NOT DRAWN TO SCALE
 REVIEWED: _____

LEGEND

Turn Lane Closure

NOTES:
 NO PARKING SIGNS TO BE SET 24 HOURS PRIOR TO WORK
 ALL DEVICES TO CONFORM TO CURRENT MUTCD

Summary of Devices
 2 - 48" Road Work Ahead
 1 - 48" Turn Lane Closed Ahead
 30 - Cones

Soil Boring Installation Report
Miller's Market
3152 Washington Way, Longview, Washington 98632



Appendix B

Boring Logs



BORING LOG

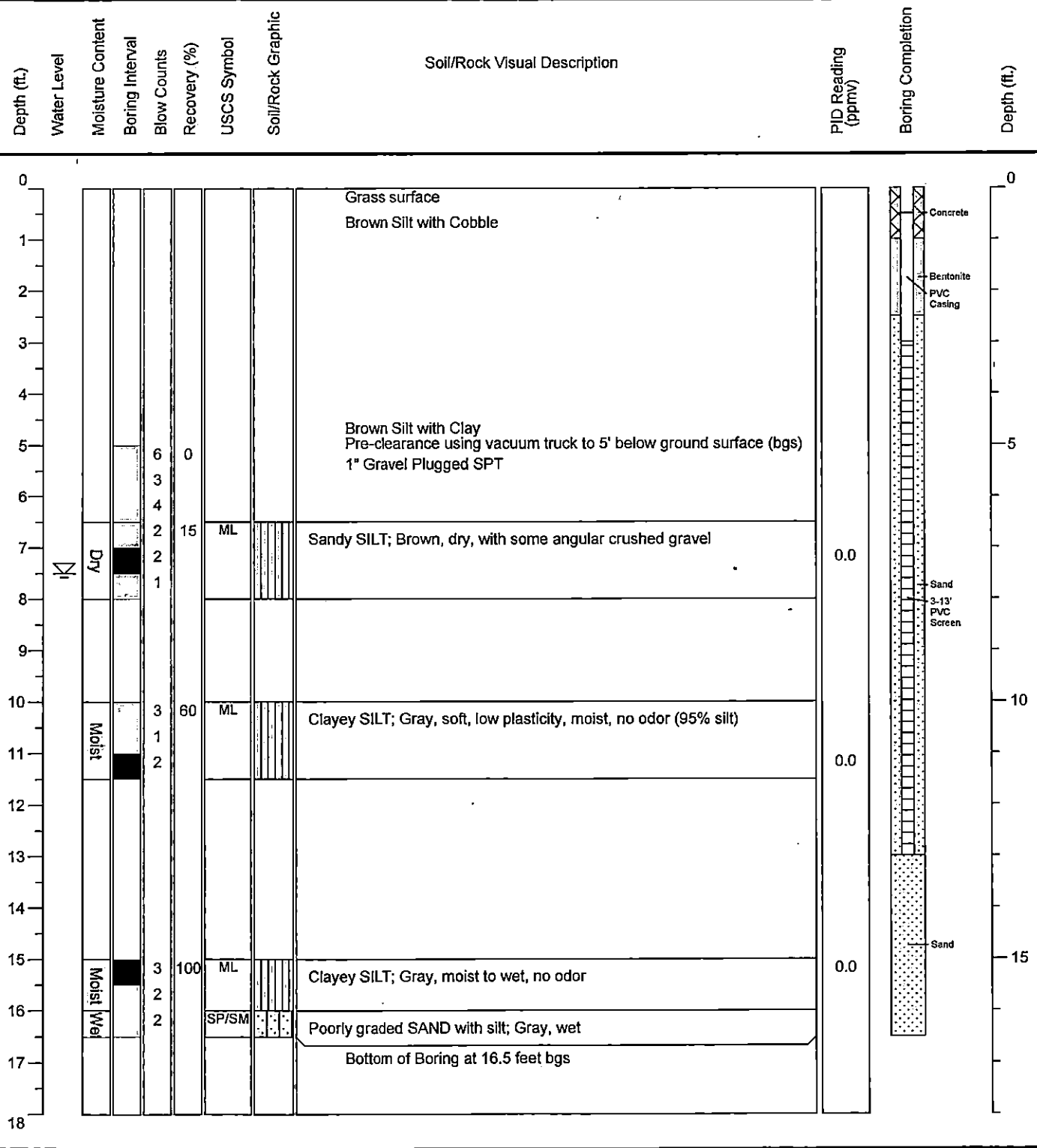
Driller's Well ID #BKJ289

Client: **Colony**
Project Number: **STCG0472**

Boring/Well No.

MW-9

Site Address: 3152 Washington Way Longview, WA Logged By: N. Lewis	Drilling Date(s): 7/26/17 Drilling Company: Holocene Drilling Method: HSA Sampling Method: SPT	Boring diameter (in.): 8 Casing Diameter (in.): 2 Boring Depth (ft): 16.5 Well Depth (ft.): 13	Casing Material: PVC Screen Interval: 3-13 ft. Screen slot size: 0.020" Sand Pack: 10/20 Silica
--------------------------------------------------------------------------------------------------	-------------------------------------------------------------------------------------------------------------------------------------	-------------------------------------------------------------------------------------------------------------------------------------	--------------------------------------------------------------------------------------------------------------------------------------





BORING LOG

Driller's Well ID #BKJ290
Boring/Well No.

Client: **Colony**
Project Number: **STCG0472**

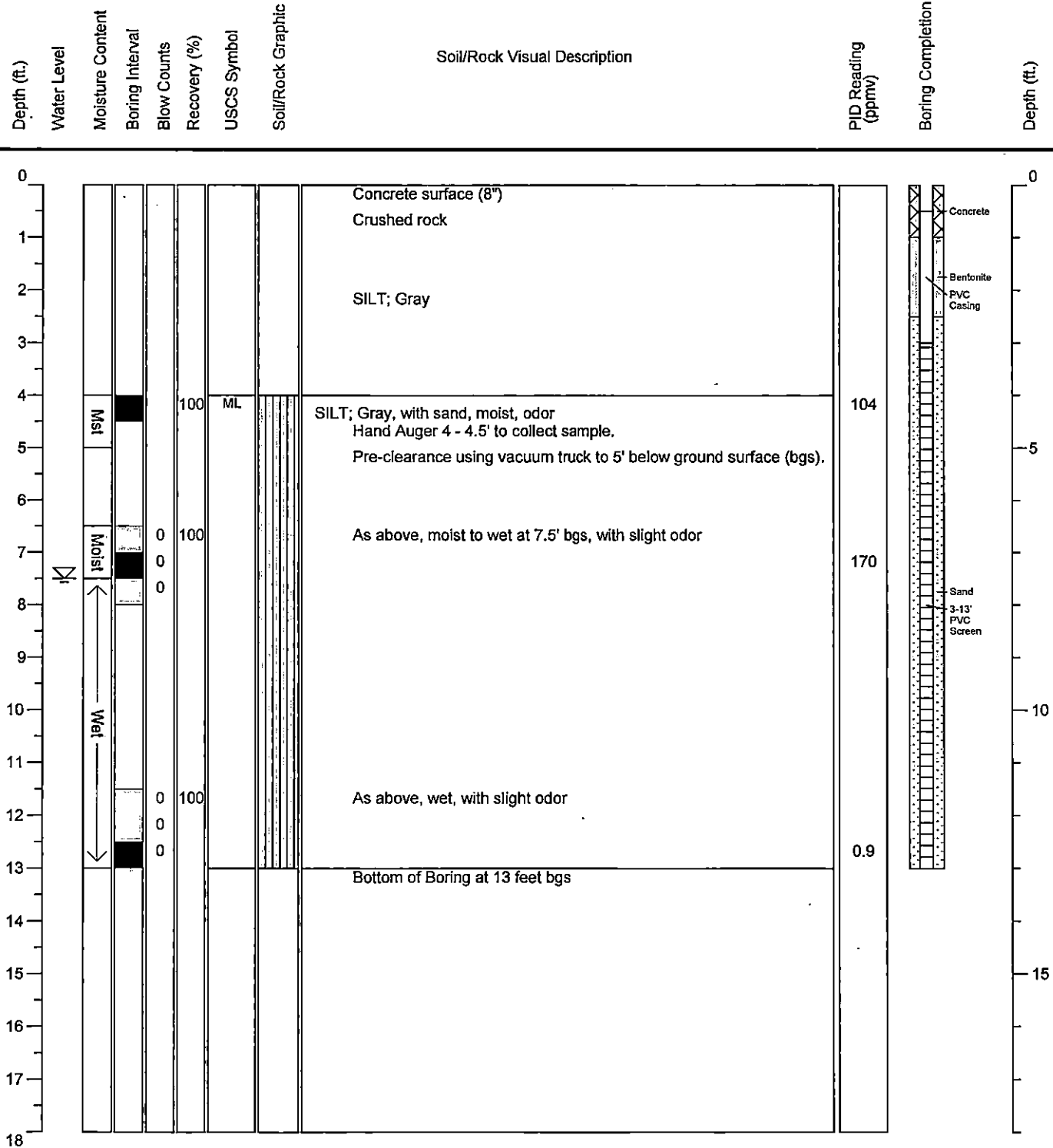
MW-10

Site Address:
3152 Washington Way
Longview, WA
Logged By: **N. Lewis**

Drilling Date(s): **7/26/17**
Drilling Company: **Holocene**
Drilling Method: **HSA**
Sampling Method: **SPT**

Boring diameter (in.): **8**
Casing Diameter (in.): **2**
Boring Depth (ft): **13**
Well Depth (ft.): **13**

Casing Material: **PVC**
Screen Interval: **3-13 ft.**
Screen slot size: **0.020"**
Sand Pack: **10/20 Silica**





BORING LOG

Client: **Colony**
 Project Number: **STCG0472**

Boring No. **MW-11**

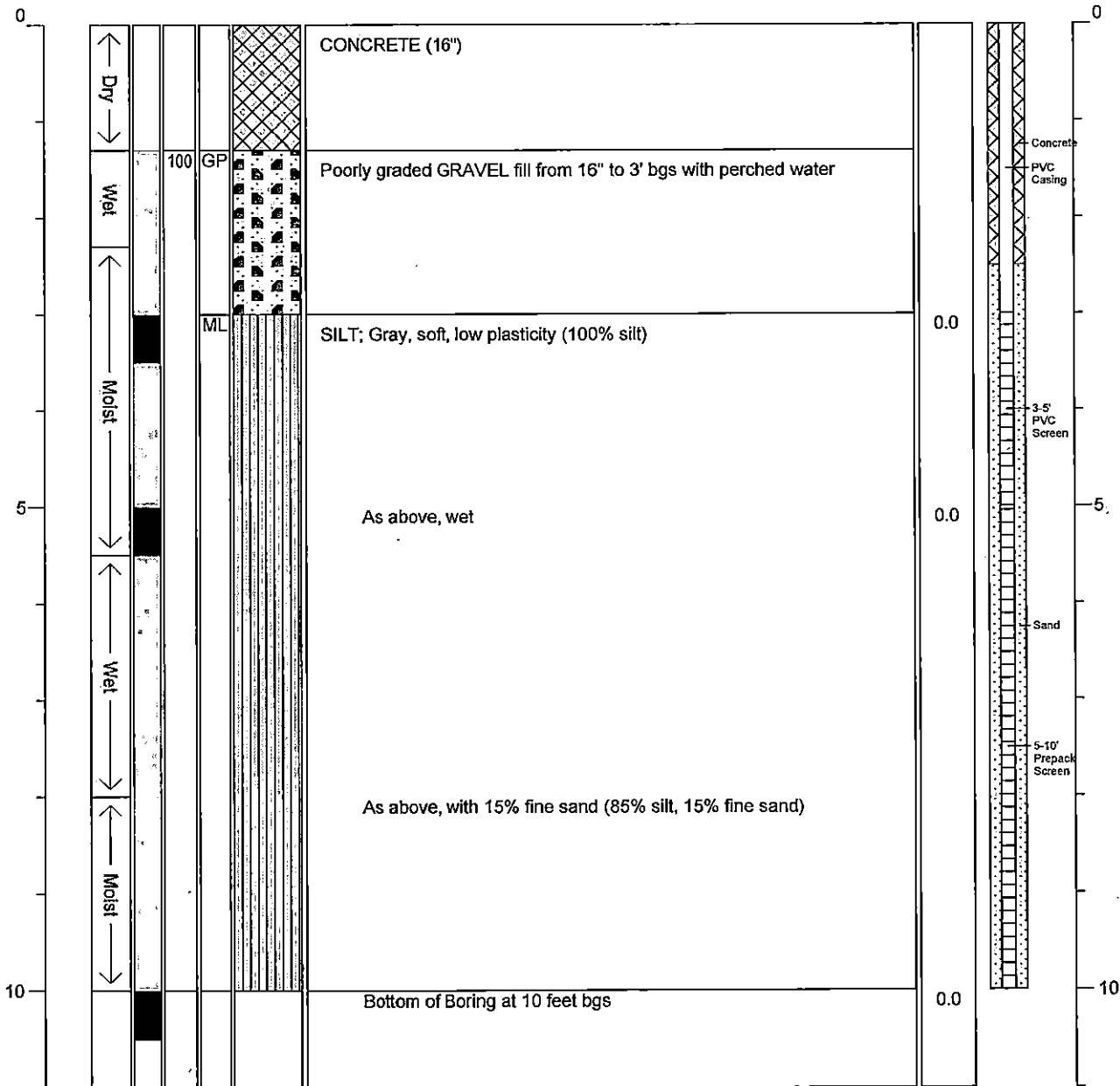
Site Address:
3152 Washington Way
Longview, WA
 Logged By: **B. Jackson**

Drilling Date(s): **9/20/17**
 Drilling Company: **Holocene**
 Drilling Method: **Vacuum Truck**
 Sampling Method: **Grab/Hand Auger**

Boring diameter (in.): **8**
 Casing Diameter (in.): **2**
 Boring Depth (ft): **10**
 Well Depth (ft.): **10**

Casing Material: **PVC**
 Screen Interval: **3-10 ft.**
 Screen slot size: **0.020"**
 Sand Pack: **10/20 Silica**

Depth (ft.)	Water Level	Moisture Content	Boring Interval	Recovery (%)	USCS Symbol	Soil/Rock Graphic	Soil/Rock Visual Description	PID Reading (ppm)	Boring Completion	Depth (ft.)
-------------	-------------	------------------	-----------------	--------------	-------------	-------------------	------------------------------	-------------------	-------------------	-------------



*Soil Boring Installation Report
Miller's Market
3152 Washington Way, Longview, Washington 98632*



Appendix C

Analytical Laboratory Reports and Chain of Custody Documentation



August 4, 2017

Mr. Matt Miller
Antea Group
4006 - 148th Ave NE
Redmond, WA 98052

Dear Mr. Miller,

On August 1st, 6 samples were received by our laboratory and assigned our laboratory project number EV17080002. The project was identified as your STCG-0472. The sample identification and requested analyses are outlined on the attached chain of custody record.

No abnormalities or nonconformances were observed during the analyses of the project samples.

Please do not hesitate to call me if you have any questions or if I can be of further assistance.

Sincerely,

ALS Laboratory Group

Rick Bagan
Laboratory Director



CERTIFICATE OF ANALYSIS

CLIENT: Antea Group DATE: 8/4/2017
4006 - 148th Ave NE ALS JOB#: EV17080002
Redmond, WA 98052 ALS SAMPLE#: EV17080002-01
CLIENT CONTACT: Matt Miller DATE RECEIVED: 08/01/2017
CLIENT PROJECT: STCG-0472 COLLECTION DATE: 7/26/2017 9:45:00 AM
CLIENT SAMPLE ID MW-9-7' WDOE ACCREDITATION: C601

SAMPLE DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
TPH-Volatile Range	NWTPH-GX	U	3.0	1	MG/KG	08/01/2017	SNC
Benzene	EPA-8021	U	0.030	1	MG/KG	08/01/2017	SNC
Toluene	EPA-8021	U	0.050	1	MG/KG	08/01/2017	SNC
Ethylbenzene	EPA-8021	U	0.050	1	MG/KG	08/01/2017	SNC
Xylenes	EPA-8021	U	0.20	1	MG/KG	08/01/2017	SNC
Lead	EPA-6020	40	0.50	5	MG/KG	08/03/2017	RAL

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
TFT	NWTPH-GX	93.6	08/01/2017	SNC
TFT	EPA-8021	95.2	08/01/2017	SNC

U - Analyte analyzed for but not detected at level above reporting limit.



CERTIFICATE OF ANALYSIS

CLIENT:	Antea Group 4006 - 148th Ave NE Redmond, WA 98052	DATE:	8/4/2017
CLIENT CONTACT:	Matt Miller	ALS JOB#:	EV17080002
CLIENT PROJECT:	STCG-0472	ALS SAMPLE#:	EV17080002-04
CLIENT SAMPLE ID	MW-10-4.5'	DATE RECEIVED:	08/01/2017
		COLLECTION DATE:	7/26/2017 12:10:00 PM
		WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS	
						DATE	BY
TPH-Volatile Range	NWTPH-GX	260	15	5	MG/KG	08/02/2017	SNC
Benzene	EPA-8021	0.21	0.15	5	MG/KG	08/02/2017	SNC
Toluene	EPA-8021	U	0.25	5	MG/KG	08/02/2017	SNC
Ethylbenzene	EPA-8021	1.9	0.25	5	MG/KG	08/02/2017	SNC
Xylenes	EPA-8021	U	1.0	5	MG/KG	08/02/2017	SNC
Lead	EPA-8020	6.3	0.50	5	MG/KG	08/03/2017	RAL

SURROGATE	METHOD	%REC	ANALYSIS	
			DATE	BY
TFT 5X Dilution	NWTPH-GX	96.2	08/02/2017	SNC
TFT 5X Dilution	EPA-8021	98.9	08/02/2017	SNC

U - Analyte analyzed for but not detected at level above reporting limit.
 Chromatogram indicates that it is likely that sample contains highly weathered gasoline.



CERTIFICATE OF ANALYSIS

CLIENT:	Antea Group 4006 - 148th Ave NE Redmond, WA 98052	DATE:	8/4/2017
		ALS JOB#:	EV17080002
		ALS SAMPLE#:	EV17080002-05
CLIENT CONTACT:	Matt Miller	DATE RECEIVED:	08/01/2017
CLIENT PROJECT:	STCG-0472	COLLECTION DATE:	7/26/2017 12:20:00 PM
CLIENT SAMPLE ID	MW-10-7'	WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
TPH-Volatile Range	NWTPH-GX	160	6.0	2	MG/KG	08/02/2017	SNC
Benzene	EPA-8021	0.17	0.060	2	MG/KG	08/02/2017	SNC
Toluene	EPA-8021	U	0.10	2	MG/KG	08/02/2017	SNC
Ethylbenzene	EPA-8021	1.1	0.10	2	MG/KG	08/02/2017	SNC
Xylenes	EPA-8021	U	0.40	2	MG/KG	08/02/2017	SNC
Lead	EPA-6020	6.8	0.50	5	MG/KG	08/03/2017	RAL

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
TFT 2X Dilution	NWTPH-GX	88.2	08/02/2017	SNC
TFT 2X Dilution	EPA-8021	91.6	08/02/2017	SNC

U - Analyte analyzed for but not detected at level above reporting limit.
Chromatogram indicates that it is likely that sample contains highly weathered gasoline.





CERTIFICATE OF ANALYSIS

CLIENT: Antea Group DATE: 8/4/2017
 4006 - 148th Ave NE ALS JOB#: EV17080002
 Redmond, WA 98052 ALS SAMPLE#: EV17080002-06
 CLIENT CONTACT: Matt Miller DATE RECEIVED: 08/01/2017
 CLIENT PROJECT: STCG-0472 COLLECTION DATE: 7/26/2017 12:30:00 PM
 CLIENT SAMPLE ID MW-10-13' WDOE ACCREDITATION: C601

SAMPLE DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
TPH-Volatile Range	NWTPH-GX	U	3.0	1	MG/KG	08/01/2017	SNC
Benzene	EPA-8021	U	0.030	1	MG/KG	08/01/2017	SNC
Toluene	EPA-8021	U	0.050	1	MG/KG	08/01/2017	SNC
Ethylbenzene	EPA-8021	U	0.050	1	MG/KG	08/01/2017	SNC
Xylenes	EPA-8021	U	0.20	1	MG/KG	08/01/2017	SNC
Lead	EPA-6020	5.0	0.50	5	MG/KG	08/03/2017	RAL

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
TFT	NWTPH-GX	81.7	08/01/2017	SNC
TFT	EPA-8021	89.6	08/01/2017	SNC

U - Analyte analyzed for but not detected at level above reporting limit.





CERTIFICATE OF ANALYSIS

CLIENT: Antea Group
 4006 - 148th Ave NE
 Redmond, WA 98052

CLIENT CONTACT: Matt Miller
 CLIENT PROJECT: STCG-0472

DATE: 8/4/2017
 ALS SDG#: EV17080002
 WDOE ACCREDITATION: C601

LABORATORY BLANK RESULTS

MBG-073117S - Batch 118805 - Soil by NWTPH-GX

ANALYTE	METHOD	RESULTS	UNITS	REPORTING LIMITS	ANALYSIS DATE	ANALYSIS BY
TPH-Volatile Range	NWTPH-GX	U	MG/KG	3.0	07/31/2017	SNC

U - Analyte analyzed for but not detected at level above reporting limit.

MB-073117S - Batch 118805 - Soil by EPA-8021

ANALYTE	METHOD	RESULTS	UNITS	REPORTING LIMITS	ANALYSIS DATE	ANALYSIS BY
Benzene	EPA-8021	U	MG/KG	0.030	07/31/2017	SNC
Toluene	EPA-8021	U	MG/KG	0.050	07/31/2017	SNC
Ethylbenzene	EPA-8021	U	MG/KG	0.050	07/31/2017	SNC
Xylenes	EPA-8021	U	MG/KG	0.20	07/31/2017	SNC

U - Analyte analyzed for but not detected at level above reporting limit.

MB-080217S - Batch 118881 - Soil by EPA-6020

ANALYTE	METHOD	RESULTS	UNITS	REPORTING LIMITS	ANALYSIS DATE	ANALYSIS BY
Lead	EPA-6020	U	MG/KG	0.10	08/03/2017	RAL

U - Analyte analyzed for but not detected at level above reporting limit.



CERTIFICATE OF ANALYSIS

CLIENT: Antea Group
 4006 - 148th Ave NE
 Redmond, WA 98052

CLIENT CONTACT: Matt Miller
 CLIENT PROJECT: STCG-0472

DATE: 8/4/2017
 ALS SDG#: EV17080002
 WDOE ACCREDITATION: C601

LABORATORY CONTROL SAMPLE RESULTS

ALS Test Batch ID: 118805 - Soil by NWTPH-GX

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	LIMITS		ANALYSIS DATE	ANALYSIS BY
					MIN	MAX		
TPH-Volatile Range - BS	NWTPH-GX	112			66.5	122.7	07/31/2017	SNC
TPH-Volatile Range - BSD	NWTPH-GX	113	0		66.5	122.7	07/31/2017	SNC

ALS Test Batch ID: 118805 - Soil by EPA-8021

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	LIMITS		ANALYSIS DATE	ANALYSIS BY
					MIN	MAX		
Benzene - BS	EPA-8021	101			67.7	124	07/31/2017	SNC
Benzene - BSD	EPA-8021	104	3		67.7	124	07/31/2017	SNC
Toluene - BS	EPA-8021	105			71	123	07/31/2017	SNC
Toluene - BSD	EPA-8021	108	3		71	123	07/31/2017	SNC
Ethylbenzene - BS	EPA-8021	109			69.8	117	07/31/2017	SNC
Ethylbenzene - BSD	EPA-8021	113	3		69.8	117	07/31/2017	SNC
Xylenes - BS	EPA-8021	111			70	119	07/31/2017	SNC
Xylenes - BSD	EPA-8021	115	4		70	119	07/31/2017	SNC

ALS Test Batch ID: 118881 - Soil by EPA-6020

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	LIMITS		ANALYSIS DATE	ANALYSIS BY
					MIN	MAX		
Lead - BS	EPA-6020	103			80	120	08/03/2017	RAL
Lead - BSD	EPA-6020	102	1		80	120	08/03/2017	RAL

APPROVED BY

Laboratory Director





ALS Environmental
 8620 Holly Drive, Suite 100
 Everett, WA 98208
 Phone (425) 356-2600
 Fax (425) 356-2626
 http://www.alsglobal.com

Chain Of Custody/ Laboratory Analysis Request

ALS Job# (Laboratory Use Only)

EVI7080002

Date 7/27/17 Page 1 Of 1

PROJECT ID: <u>STCG-0472</u>					ANALYSIS REQUESTED										OTHER (Specify)																				
REPORT TO COMPANY: <u>Antea Group</u>					NWTPH-HClD NWTPH-DX NWTPH-GX BTEX by EPA 8021 <input checked="" type="checkbox"/> BTEX by EPA 8260 <input type="checkbox"/> MTBE by EPA 8021 <input type="checkbox"/> MTBE by EPA 8260 <input type="checkbox"/> Halogenated Volatiles by EPA 8260 Volatile Organic Compounds by EPA 8260 EDB / EDC by EPA 8260 SIM (water) EDB / EDC by EPA 8260 (soil) Semivolatile Organic Compounds by EPA 8270 Polycyclic Aromatic Hydrocarbons (PAH) by EPA 8270 SIM PCB by EPA 8082 <input type="checkbox"/> Pesticides by EPA 8081 <input type="checkbox"/> Metals-MTCA-5 <input type="checkbox"/> RCPA-8 <input type="checkbox"/> PH Pol <input type="checkbox"/> TAL <input type="checkbox"/> Metals Other (Specify) TCLP-Metals <input type="checkbox"/> VOA <input type="checkbox"/> Semi-Vol <input type="checkbox"/> Pest <input type="checkbox"/> Herbs <input type="checkbox"/> <u>Total Lead</u> <u>Hold Pending Initial Results</u>																														
PROJECT MANAGER: <u>Matt Miller</u>																																			
ADDRESS: <u>4006 148th Ave NE</u>																																			
<u>Redmond WA 98052</u>																																			
PHONE: <u>425 498</u> FAX:																																			
P.O. #: <u>STCG-0472</u> E-MAIL: <u>matt.miller@anteagroup.com</u>																																			
INVOICE TO COMPANY: <u>Colony</u>																																			
ATTENTION: <u>PAT TERRY / Colony Insurance</u>																																			
ADDRESS: <u>claim # 021164</u>																																			
SAMPLE I.D.	DATE	TIME	TYPE	LAB#		NWTPH-HClD	NWTPH-DX	NWTPH-GX	BTEX by EPA 8021	BTEX by EPA 8260	MTBE by EPA 8021	MTBE by EPA 8260	Halogenated Volatiles by EPA 8260	Volatile Organic Compounds by EPA 8260	EDB / EDC by EPA 8260 SIM (water)	EDB / EDC by EPA 8260 (soil)	Semivolatile Organic Compounds by EPA 8270	Polycyclic Aromatic Hydrocarbons (PAH) by EPA 8270 SIM	PCB by EPA 8082	Pesticides by EPA 8081	Metals-MTCA-5	RCPA-8	PH Pol	TAL	Metals Other (Specify)	TCLP-Metals	VOA	Semi-Vol	Pest	Herbs	Total Lead	Hold Pending Initial Results	NUMBER OF CONTAINERS	RECEIVED IN GOOD CONDITION?	
1. MW-9-7'	7/26/17	0945	Soil	1			X	X																							X		2		
2. MW-9-11'	↑	1015		2			X	X																							X	X	2		
3. MW-9-15'		1025		3			X	X																						X		2			
4. MW-10-4.5'		1210		4			X	X																						X		2			
5. MW-10-7'	↓	1220		5			X	X																						X		2			
6. MW-10-13'	7/26/17	1230		6			X	X																						X		2			
7.																																			
8.																																			
9.																																			
10.																																			

SPECIAL INSTRUCTIONS

SIGNATURES (Name, Company, Date, Time):
 1. Relinquished By: Nolan Lewis Antea Group 7/27/17 10:00 Nolan Lewis
 Received By: [Signature] ALS 8/1/17 10:30
 2. Relinquished By: _____
 Received By: _____

TURNAROUND REQUESTED in Business Days*
 Organic, Metals & Inorganic Analysis
 OTHER: _____
 Specify: _____
 Fuels & Hydrocarbon Analysis
 Standard (5) 3 1 SAME DAY

*Turnaround request less than standard may incur Rush Charges



September 27, 2017

Mr. Matt Miller
Antea Group
4006 - 148th Ave NE
Redmond, WA 98052

Dear Mr. Miller,

On September 22nd, 3 samples were received by our laboratory and assigned our laboratory project number EV17090140. The project was identified as your STCG 0472 Millers Market Claim #021164. The sample identification and requested analyses are outlined on the attached chain of custody record.

No abnormalities or nonconformances were observed during the analyses of the project samples.

Please do not hesitate to call me if you have any questions or if I can be of further assistance.

Sincerely,

ALS Laboratory Group

Rick Bagan
Laboratory Director

Page 1

ADDRESS 8620 Holly Drive, Suite 100, Everett, WA 9820 | PHONE 425-356-2600 | FAX 425-356-2626

ALS Group USA, Corp dba ALS Environmental

Environmental

www.alsglobal.com

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CERTIFICATE OF ANALYSIS

CLIENT:	Antea Group 4006 - 148th Ave NE Redmond, WA 98052	DATE:	9/27/2017
CLIENT CONTACT:	Matt Miller	ALS JOB#:	EV17090140
CLIENT PROJECT:	STCG 0472 Millers Market Claim #021164	ALS SAMPLE#:	EV17090140-01
		DATE RECEIVED:	09/22/2017
		COLLECTION DATE:	9/20/2017 11:50:00 AM
CLIENT SAMPLE ID	MW-11-3ft	WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
TPH-Volatile Range	NWTPH-GX	U	3.0	1	MG/KG	09/25/2017	SNC
Benzene	EPA-8021	U	0.030	1	MG/KG	09/25/2017	SNC
Toluene	EPA-8021	U	0.050	1	MG/KG	09/25/2017	SNC
Ethylbenzene	EPA-8021	U	0.050	1	MG/KG	09/25/2017	SNC
Xylenes	EPA-8021	U	0.20	1	MG/KG	09/25/2017	SNC
Lead	EPA-6020	8.9	0.50	5	MG/KG	09/22/2017	RAL

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
TFT	NWTPH-GX	81.9	09/25/2017	SNC
TFT	EPA-8021	80.2	09/25/2017	SNC

U - Analyte analyzed for but not detected at level above reporting limit.



ALS Environmental

CERTIFICATE OF ANALYSIS

CLIENT: Antea Group DATE: 9/27/2017
 4006 - 148th Ave NE ALS JOB#: EV17090140
 Redmond, WA 98052 ALS SAMPLE#: EV17090140-02
 CLIENT CONTACT: Matt Miller DATE RECEIVED: 09/22/2017
 CLIENT PROJECT: STCG 0472 Millers Market Claim COLLECTION DATE: 9/20/2017 12:10:00 PM
 #021164
 CLIENT SAMPLE ID MW-11-5ft WDOE ACCREDITATION: C601

SAMPLE DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
TPH-Volatile Range	NWTPH-GX	U	3.0	1	MG/KG	09/25/2017	SNC
Benzene	EPA-8021	U	0.030	1	MG/KG	09/25/2017	SNC
Toluene	EPA-8021	U	0.050	1	MG/KG	09/25/2017	SNC
Ethylbenzene	EPA-8021	U	0.050	1	MG/KG	09/25/2017	SNC
Xylenes	EPA-8021	U	0.20	1	MG/KG	09/25/2017	SNC
Lead	EPA-6020	7.6	0.50	5	MG/KG	09/22/2017	RAL

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
TFT	NWTPH-GX	76.1	09/25/2017	SNC
TFT	EPA-8021	76.7	09/25/2017	SNC

U - Analyte analyzed for but not detected at level above reporting limit.



CERTIFICATE OF ANALYSIS

CLIENT:	Antea Group 4006 - 148th Ave NE Redmond, WA 98052	DATE:	9/27/2017
CLIENT CONTACT:	Matt Miller	ALS JOB#:	EV17090140
CLIENT PROJECT:	STCG 0472 Millers Market Claim #021164	ALS SAMPLE#:	EV17090140-03
CLIENT SAMPLE ID	MW-11-10ft	DATE RECEIVED:	09/22/2017
		COLLECTION DATE:	9/20/2017 12:30:00 PM
		WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
TPH-Volatile Range	NWTPH-GX	U	3.0	1	MG/KG	09/25/2017	SNC
Benzene	EPA-8021	U	0.030	1	MG/KG	09/25/2017	SNC
Toluene	EPA-8021	U	0.050	1	MG/KG	09/25/2017	SNC
Ethylbenzene	EPA-8021	U	0.050	1	MG/KG	09/25/2017	SNC
Xylenes	EPA-8021	U	0.20	1	MG/KG	09/25/2017	SNC
Lead	EPA-6020	2.4	0.50	5	MG/KG	09/22/2017	RAL

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
TFT	NWTPH-GX	88.8	09/25/2017	SNC
TFT	EPA-8021	84.7	09/25/2017	SNC

U - Analyte analyzed for but not detected at level above reporting limit.





CERTIFICATE OF ANALYSIS

CLIENT: Antea Group DATE: 9/27/2017
 4006 - 148th Ave NE ALS SDG#: EV17090140
 Redmond, WA 98052 WDOE ACCREDITATION: C601

CLIENT CONTACT: Matt Miller
 CLIENT PROJECT: STCG 0472 Millers Market Claim
 #021164

LABORATORY BLANK RESULTS

MBG-092517S - Batch 120372 - Soil by NWTPH-GX

ANALYTE	METHOD	RESULTS	UNITS	REPORTING LIMITS	ANALYSIS DATE	ANALYSIS BY
TPH-Volatile Range	NWTPH-GX	U	MG/KG	3.0	09/25/2017	SNC

U - Analyte analyzed for but not detected at level above reporting limit.

MB-092517S - Batch 120372 - Soil by EPA-8021

ANALYTE	METHOD	RESULTS	UNITS	REPORTING LIMITS	ANALYSIS DATE	ANALYSIS BY
Benzene	EPA-8021	U	MG/KG	0.030	09/25/2017	SNC
Toluene	EPA-8021	U	MG/KG	0.050	09/25/2017	SNC
Ethylbenzene	EPA-8021	U	MG/KG	0.050	09/25/2017	SNC
Xylenes	EPA-8021	U	MG/KG	0.20	09/25/2017	SNC

U - Analyte analyzed for but not detected at level above reporting limit.

MB-092217S - Batch 120340 - Soil by EPA-6020

ANALYTE	METHOD	RESULTS	UNITS	REPORTING LIMITS	ANALYSIS DATE	ANALYSIS BY
Lead	EPA-6020	U	MG/KG	0.10	09/22/2017	RAL

U - Analyte analyzed for but not detected at level above reporting limit.



ALS Environmental

CERTIFICATE OF ANALYSIS

CLIENT: Antea Group
4006 - 148th Ave NE
Redmond, WA 98052

DATE: 9/27/2017
ALS SDG#: EV17090140
WDOE ACCREDITATION: C601

CLIENT CONTACT: Matt Miller
CLIENT PROJECT: STCG 0472 Millers Market Claim
#021164

LABORATORY CONTROL SAMPLE RESULTS

ALS Test Batch ID: 120372 - Soil by NWTPH-GX

Table with 9 columns: SPIKED COMPOUND, METHOD, %REC, RPD, QUAL, LIMITS (MIN, MAX), ANALYSIS DATE, ANALYSIS BY. Rows include TPH-Volatile Range - BS and TPH-Volatile Range - BSD.

ALS Test Batch ID: 120372 - Soil by EPA-8021

Table with 9 columns: SPIKED COMPOUND, METHOD, %REC, RPD, QUAL, LIMITS (MIN, MAX), ANALYSIS DATE, ANALYSIS BY. Rows include Benzene - BS, Benzene - BSD, Toluene - BS, Toluene - BSD, Ethylbenzene - BS, Ethylbenzene - BSD, Xylenes - BS, and Xylenes - BSD.

ALS Test Batch ID: 120340 - Soil by EPA-6020

Table with 9 columns: SPIKED COMPOUND, METHOD, %REC, RPD, QUAL, LIMITS (MIN, MAX), ANALYSIS DATE, ANALYSIS BY. Rows include Lead - BS and Lead - BSD.

APPROVED BY

Handwritten signature of Paul Bayona

Laboratory Director





ALS Environmental
 8620 Holly Drive, Suite 100
 Everett, WA 98208
 Phone (425) 356-2600
 Fax (425) 356-2626
 http://www.alsglobal.com

Chain Of Custody/ Laboratory Analysis Request

ALS Job# (Laboratory Use Only)

EV17090140

Date 9/20/17 Page 1 of 1

PROJECT ID: STCG 0472 Millers Market Claim # 021164					ANALYSIS REQUESTED												OTHER (Specify)		
REPORT TO COMPANY: Antea Group					<input type="checkbox"/> NWTPH-HCID <input type="checkbox"/> NWTPH-DX <input type="checkbox"/> NWTPH-GX <input type="checkbox"/> BTEX by EPA 8021 <input checked="" type="checkbox"/> <input type="checkbox"/> MTBE by EPA 8021 <input type="checkbox"/> <input type="checkbox"/> BTEX by EPA 8260 <input type="checkbox"/> <input type="checkbox"/> MTBE by EPA 8260 <input type="checkbox"/> Halogenated Volatiles by EPA 8260 Volatile Organic Compounds by EPA 8260 EDB / EDC by EPA 8260 SIM (water) EDB / EDC by EPA 8260 (soil) Semivolatile Organic Compounds by EPA 8270 Polycyclic Aromatic Hydrocarbons (PAH) by EPA 8270 SIM PCB by EPA 8082 <input type="checkbox"/> Pesticides by EPA 8081 <input type="checkbox"/> Metals-MTCA-5 <input type="checkbox"/> PCRA-8 <input type="checkbox"/> PFI <input type="checkbox"/> TAL <input type="checkbox"/> Metals Other (Specify) TCLP-Metals <input type="checkbox"/> VOA <input type="checkbox"/> Semi-Vol <input type="checkbox"/> Pest <input type="checkbox"/> Herbs <input type="checkbox"/> Total Pb	NUMBER OF CONTAINERS	RECEIVED IN GOOD CONDITION?												
PROJECT MANAGER: Matt Miller																			
ADDRESS: 4006 148 th Ave NE Redmond WA 98052																			
PHONE: 425-448-7722 FAX:																			
P.O. #: STCG-0472 E-MAIL:																			
INVOICE TO COMPANY: Colony Claim #021164																			
ATTENTION: Pat Perry																			
ADDRESS:																			
ADDRESS:																			
ADDRESS:																			
SAMPLE I.D.	DATE	TIME	TYPE	LAB#															
1. MW-11-3ft	9/20/17	1150	Soil	1			X	X										X	2
2. MW-11-5ft	9/20/17	1210	Soil	2			X	X										X	2
3. MW-11-10ft	9/20/17	1230	Soil	3			X	X										X	2
4.																			
5.																			
6.																			
7.																			
8.																			
9.																			
10.																			

SPECIAL INSTRUCTIONS

SIGNATURES (Name, Company, Date, Time):
 1. Relinquished By: Missy Tracy / Antea Group / 9/21/17 12:00
 Received By: Pat Perry / ALS 9/22/17 10:10
 2. Relinquished By: _____
 Received By: _____

TURNAROUND REQUESTED in Business Days*
 Organic, Metals & Inorganic Analysis
 No Standard 5 3 2 1 SAME DAY
 Fuels & Hydrocarbon Analysis
 Standard 3 1 SAME DAY
 OTHER: _____
 Specify: _____

*Turnaround request less than standard may incur Rush Charges



September 28, 2017

Mr. Matt Miller
Antea Group
4006 - 148th Ave NE
Redmond, WA 98052

Dear Mr. Miller,

On September 22nd, 2 samples were received by our laboratory and assigned our laboratory project number EV17090141. The project was identified as your STCG 0472. The sample identification and requested analyses are outlined on the attached chain of custody record.

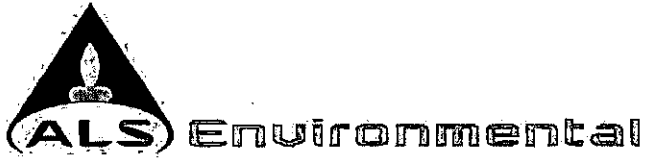
No abnormalities or nonconformances were observed during the analyses of the project samples.

Please do not hesitate to call me if you have any questions or if I can be of further assistance.

Sincerely,

ALS Laboratory Group

Rick Bagan
Laboratory Director



CERTIFICATE OF ANALYSIS

CLIENT: Antea Group
 4006 - 148th Ave NE
 Redmond, WA 98052

CLIENT CONTACT: Matt Miller
 CLIENT PROJECT: STCG 0472
 CLIENT SAMPLE ID: Waste Water

DATE: 9/28/2017
 ALS JOB#: EV17090141
 ALS SAMPLE#: EV17090141-01
 DATE RECEIVED: 09/22/2017
 COLLECTION DATE: 9/20/2017 2:00:00 PM
 WDOE ACCREDITATION: C601

SAMPLE DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
TPH-Volatile Range	NWTPH-GX	130	50	1	UG/L	09/25/2017	SNC
Benzene	EPA-8021	U	1.0	1	UG/L	09/25/2017	SNC
Toluene	EPA-8021	U	1.0	1	UG/L	09/25/2017	SNC
Ethylbenzene	EPA-8021	U	1.0	1	UG/L	09/25/2017	SNC
Xylenes	EPA-8021	U	3.0	1	UG/L	09/25/2017	SNC
Mercury	EPA-245.1	U	0.20	1	UG/L	09/26/2017	RAL
Arsenic	EPA-200.8	3.7	1.0	1	UG/L	09/22/2017	RAL
Barium	EPA-200.8	220	1.0	1	UG/L	09/22/2017	RAL
Cadmium	EPA-200.8	U	1.0	1	UG/L	09/22/2017	RAL
Chromium	EPA-200.8	8.9	2.0	1	UG/L	09/22/2017	RAL
Lead	EPA-200.8	5.2	1.0	1	UG/L	09/22/2017	RAL
Selenium	EPA-200.8	U	10	1	UG/L	09/22/2017	RAL
Silver	EPA-200.8	U	1.0	1	UG/L	09/22/2017	RAL

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
TFT	NWTPH-GX	105	09/25/2017	SNC
TFT	EPA-8021	96.1	09/25/2017	SNC

U - Analyte analyzed for but not detected at level above reporting limit.
 Chromatogram indicates that it is likely that sample contains highly weathered gasoline.





CERTIFICATE OF ANALYSIS

CLIENT:	Antea Group 4006 - 148th Ave NE Redmond, WA 98052	DATE:	9/28/2017
CLIENT CONTACT:	Matt Miller	ALS JOB#:	EV17090141
CLIENT PROJECT:	STCG 0472	ALS SAMPLE#:	EV17090141-02
CLIENT SAMPLE ID:	Waste Soil	DATE RECEIVED:	09/22/2017
		COLLECTION DATE:	9/20/2017 2:10:00 PM
		WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS ANALYSIS	
						DATE	BY
Mercury	EPA-7471	0.038	0.020	1	MG/KG	09/27/2017	RAL
Arsenic	EPA-6020	4.7	1.0	5	MG/KG	09/22/2017	RAL
Barium	EPA-6020	120	0.50	5	MG/KG	09/22/2017	RAL
Cadmium	EPA-6020	U	0.50	5	MG/KG	09/22/2017	RAL
Chromium	EPA-6020	21	0.50	5	MG/KG	09/22/2017	RAL
Lead	EPA-6020	36	0.50	5	MG/KG	09/22/2017	RAL
Selenium	EPA-6020	U	5.0	5	MG/KG	09/22/2017	RAL
Silver	EPA-6020	U	0.50	5	MG/KG	09/22/2017	RAL

U - Analyte analyzed for but not detected at level above reporting limit.





CERTIFICATE OF ANALYSIS

CLIENT: Antea Group
4006 - 148th Ave NE
Redmond, WA 98052
DATE: 9/28/2017
ALS SDG#: EV17090141
WDOE ACCREDITATION: C601
CLIENT CONTACT: Matt Miller
CLIENT PROJECT: STCG 0472

LABORATORY BLANK RESULTS

MBG-091817W - Batch 120244 - Water by NWTPH-GX

Table with 7 columns: ANALYTE, METHOD, RESULTS, UNITS, REPORTING LIMITS, ANALYSIS DATE, ANALYSIS BY. Row 1: TPH-Volatile Range, NWTPH-GX, U, UG/L, 50, 09/18/2017, SNC

U - Analyte analyzed for but not detected at level above reporting limit.

MB-091817W - Batch 120244 - Water by EPA-8021

Table with 7 columns: ANALYTE, METHOD, RESULTS, UNITS, REPORTING LIMITS, ANALYSIS DATE, ANALYSIS BY. Rows: Benzene, Toluene, Ethylbenzene, Xylenes

U - Analyte analyzed for but not detected at level above reporting limit.

MBLK-R302468 - Batch R302468 - Soil by EPA-7471

Table with 7 columns: ANALYTE, METHOD, RESULTS, UNITS, REPORTING LIMITS, ANALYSIS DATE, ANALYSIS BY. Row 1: Mercury, EPA-7471, U, MG/KG, 0.020, 09/27/2017, RAL

U - Analyte analyzed for but not detected at level above reporting limit.

MBLK-302276 - Batch R302276 - Water by EPA-245.1

Table with 7 columns: ANALYTE, METHOD, RESULTS, UNITS, REPORTING LIMITS, ANALYSIS DATE, ANALYSIS BY. Row 1: Mercury, EPA-245.1, U, UG/L, 0.20, 09/26/2017, RAL

U - Analyte analyzed for but not detected at level above reporting limit.

MB-092217S - Batch 120340 - Soil by EPA-6020

Table with 7 columns: ANALYTE, METHOD, RESULTS, UNITS, REPORTING LIMITS, ANALYSIS DATE, ANALYSIS BY. Rows: Arsenic, Barium, Cadmium, Chromium, Lead, Selenium, Silver

U - Analyte analyzed for but not detected at level above reporting limit.



CERTIFICATE OF ANALYSIS

CLIENT: Antea Group
4006 - 148th Ave NE
Redmond, WA 98052
CLIENT CONTACT: Matt Miller
CLIENT PROJECT: STCG 0472

DATE: 9/28/2017
ALS SDG#: EV17090141
WDOE ACCREDITATION: C601

LABORATORY BLANK RESULTS

MB-092217W - Batch 120341 - Water by EPA-200.8

ANALYTE	METHOD	RESULTS	UNITS	REPORTING LIMITS	ANALYSIS DATE	ANALYSIS BY
Arsenic	EPA-200.8	U	UG/L	1.0	09/22/2017	RAL
Barium	EPA-200.8	U	UG/L	1.0	09/22/2017	RAL
Cadmium	EPA-200.8	U	UG/L	1.0	09/22/2017	RAL
Chromium	EPA-200.8	U	UG/L	2.0	09/22/2017	RAL
Lead	EPA-200.8	U	UG/L	1.0	09/22/2017	RAL
Selenium	EPA-200.8	U	UG/L	10	09/22/2017	RAL
Silver	EPA-200.8	U	UG/L	1.0	09/22/2017	RAL

U - Analyte analyzed for but not detected at level above reporting limit.





ALS Environmental

CERTIFICATE OF ANALYSIS

CLIENT: Antea Group
4006 - 148th Ave NE
Redmond, WA 98052
CLIENT CONTACT: Matt Miller
CLIENT PROJECT: STCG 0472

DATE: 9/28/2017
ALS SDG#: EV17090141
WDOE ACCREDITATION: C601

LABORATORY CONTROL SAMPLE RESULTS

ALS Test Batch ID: 120244 - Water by NWTPH-GX

Table with 9 columns: SPIKED COMPOUND, METHOD, %REC, RPD, QUAL, LIMITS (MIN, MAX), ANALYSIS DATE, ANALYSIS BY. Rows include TPH-Volatile Range - BS and TPH-Volatile Range - BSD.

ALS Test Batch ID: 120244 - Water by EPA-8021

Table with 9 columns: SPIKED COMPOUND, METHOD, %REC, RPD, QUAL, LIMITS (MIN, MAX), ANALYSIS DATE, ANALYSIS BY. Rows include Benzene, Toluene, Ethylbenzene, and Xylenes in both BS and BSD forms.

ALS Test Batch ID: R302468 - Soil by EPA-7471

Table with 9 columns: SPIKED COMPOUND, METHOD, %REC, RPD, QUAL, LIMITS (MIN, MAX), ANALYSIS DATE, ANALYSIS BY. Rows include Mercury - BS and Mercury - BSD.

ALS Test Batch ID: R302276 - Water by EPA-245.1

Table with 9 columns: SPIKED COMPOUND, METHOD, %REC, RPD, QUAL, LIMITS (MIN, MAX), ANALYSIS DATE, ANALYSIS BY. Rows include Mercury - BS and Mercury - BSD.

ALS Test Batch ID: 120340 - Soil by EPA-6020

Table with 9 columns: SPIKED COMPOUND, METHOD, %REC, RPD, QUAL, LIMITS (MIN, MAX), ANALYSIS DATE, ANALYSIS BY. Rows include Arsenic, Barium, Cadmium, Chromium, and Lead in both BS and BSD forms.



CERTIFICATE OF ANALYSIS

CLIENT: Antea Group
 4006 - 148th Ave NE
 Redmond, WA 98052

CLIENT CONTACT: Matt Miller
 CLIENT PROJECT: STCG 0472

DATE: 9/28/2017
 ALS SDG#: EV17090141
 WDOE ACCREDITATION: C601

LABORATORY CONTROL SAMPLE RESULTS

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	LIMITS		ANALYSIS DATE	ANALYSIS BY
					MIN	MAX		
Lead - BSD	EPA-6020	104	4		80	120	09/22/2017	RAL
Selenium - BS	EPA-6020	104			80	120	09/22/2017	RAL
Selenium - BSD	EPA-6020	106	2		80	120	09/22/2017	RAL
Silver - BS	EPA-6020	104			80	120	09/22/2017	RAL
Silver - BSD	EPA-6020	108	3		80	120	09/22/2017	RAL

ALS Test Batch ID: 120341 - Water by EPA-200.8

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	LIMITS		ANALYSIS DATE	ANALYSIS BY
					MIN	MAX		
Arsenic - BS	EPA-200.8	101			89.1	110	09/22/2017	RAL
Arsenic - BSD	EPA-200.8	103	2		89.1	110	09/22/2017	RAL
Barium - BS	EPA-200.8	102			88.5	108	09/22/2017	RAL
Barium - BSD	EPA-200.8	103	2		88.5	108	09/22/2017	RAL
Cadmium - BS	EPA-200.8	100			89.4	109	09/22/2017	RAL
Cadmium - BSD	EPA-200.8	101	1		89.4	109	09/22/2017	RAL
Chromium - BS	EPA-200.8	101			88.3	110.2	09/22/2017	RAL
Chromium - BSD	EPA-200.8	102	1		88.3	110.2	09/22/2017	RAL
Lead - BS	EPA-200.8	99.7			87.5	107	09/22/2017	RAL
Lead - BSD	EPA-200.8	99.4	0		87.5	107	09/22/2017	RAL
Selenium - BS	EPA-200.8	105			90.2	113	09/22/2017	RAL
Selenium - BSD	EPA-200.8	107	2		90.2	113	09/22/2017	RAL
Silver - BS	EPA-200.8	101			80	120	09/22/2017	RAL
Silver - BSD	EPA-200.8	103	2		80	120	09/22/2017	RAL

APPROVED BY

Laboratory Director



CHAIN OF CUSTODY

74334

001

EV17090141

1317 South 13th Ave, Kelso, WA 98626 Phone (360) 577-7222 / 800-695-7222 / FAX (360) 636-1068
www.alsglobal.com

SR# _____
COC Set 1 of 1
COC# _____

Project Name: <u>Millers Market</u>		Project Number: <u>STLG0472</u>	
Project Manager: <u>Matt Miller</u>			
Company: <u>Antea Group</u>			
Address: <u>4606 148th Ave NE, Redmond WA</u>			
Phone #: <u>425-498-7122</u>	email: <u>matt.miller@antearp.com</u>		
Sampler Signature:	Sampler Printed Name: <u>Brad Jackson</u>		

NUMBER OF CONTAINERS	0H	8H	48H	7D	14D	90D	180D						Remarks			
	9040B / pH	SM 9221 E / Feo Coll MT	SM 5219 B / BOD 5 Day	9270D / SVO	SM 2540 D / TSS	E260C / VOC FP	NWTPH-Dx / NW_TPH	NWTPH-GX / NW_GAS	1631E / Hg LL T	200.8 / Metals T	1 DTEX Box 1	2 RCRA 8 Metals Total		3	4	5

CLIENT SAMPLE ID	LABID	SAMPLING Date	SAMPLING Time	Matrix												
1: <u>Waste Water</u>		<u>9/20/17</u>	<u>1400</u>	<u>Water</u>	<u>4</u>											
2: <u>Waste Soil</u>		<u>9/20/17</u>	<u>1410</u>	<u>soil</u>	<u>1</u>											
3.																
4.																
5.																
6.																
7.																
8.																
9.																
10.																

Report Requirements <input type="checkbox"/> I. Routine Report Method Blank, Surrogate, as required <input type="checkbox"/> II. Report Dup., MS, MSD as required <input type="checkbox"/> III. CLP Like Summary (no raw data) <input type="checkbox"/> IV. Data Validation Report <input type="checkbox"/> V. EDD	Invoice Information P.O.# <u>STLG0472 claim # 021164</u> Bill To: <u>Colony Post Perry</u>	Circle which metals are to be analyzed Total Metals: Al As Sb Ba Be B Ca Cd Co Cr Cu Fe Pb Mg Mn Mo Ni K Ag Na Se Sr TI Sn V Zn Hg Dissolved Metals: Al As Sb Ba Be B Ca Cd Co Cr Cu Fe Pb Mg Mn Mo Ni K Ag Na Se Sr TI. Sn V Zn Hg
	Turnaround Requirements <input type="checkbox"/> 24 hr. <input type="checkbox"/> 48 hr. <input checked="" type="checkbox"/> Standard	Special Instructions/Comments: <u>Call Matt Miller with Questions</u> *Indicate State Hydrocarbon Procedure: AK CA WI Northwest Other _____ (Circle One)

Relinquished By:	Received By:	Relinquished By:	Received By:	Relinquished By:	Received By:
Signature: <u>Missy Tracy</u>	Signature: <u>Rick Bagan</u>	Signature	Signature	Signature	Signature
Printed Name: <u>Antea Group</u>	Printed Name: <u>ALS</u>	Printed Name	Printed Name	Printed Name	Printed Name
Firm: <u>9/21/17 1200</u>	Firm: <u>9/21/17 10:10</u>	Firm	Firm	Firm	Firm
Date/Time	Date/Time	Date/Time	Date/Time	Date/Time	Date/Time



October 9, 2017

Mr. Matt Miller
Antea Group
4006 - 148th Ave NE
Redmond, WA 98052

Dear Mr. Miller,

On October 6th, 3 samples were received by our laboratory and assigned our laboratory project number EV17100021. The project was identified as your STCG-0472.0110. The sample identification and requested analyses are outlined on the attached chain of custody record.

No abnormalities or nonconformances were observed during the analyses of the project samples.

Please do not hesitate to call me if you have any questions or if I can be of further assistance.

Sincerely,

ALS Laboratory Group

Rick Bagan
Laboratory Director



ALS Environmental

CERTIFICATE OF ANALYSIS

CLIENT: Antea Group
4006 - 148th Ave NE
Redmond, WA 98052

DATE: 10/9/2017
ALS JOB#: EV17100021
ALS SAMPLE#: EV17100021-01
DATE RECEIVED: 10/06/2017
COLLECTION DATE: 10/4/2017 2:40:00 PM
WDOE ACCREDITATION: C601

CLIENT CONTACT: Matt Miller
CLIENT PROJECT: STCG-0472.0110
CLIENT SAMPLE ID MW-9-5.66

SAMPLE DATA RESULTS

Table with columns: ANALYTE, METHOD, RESULTS, REPORTING LIMITS, DILUTION FACTOR, UNITS, ANALYSIS DATE, ANALYSIS BY. Rows include TPH-Volatile Range, Benzene, Toluene, Ethylbenzene, Xylenes, and Lead.

Table with columns: SURROGATE, METHOD, %REC, ANALYSIS DATE, ANALYSIS BY. Rows include TFT with values 88.0 and 95.1.

U - Analyte analyzed for but not detected at level above reporting limit.





CERTIFICATE OF ANALYSIS

CLIENT:	Antea Group 4006 - 148th Ave NE Redmond, WA 98052	DATE:	10/9/2017
CLIENT CONTACT:	Matt Miller	ALS JOB#:	EV17100021
CLIENT PROJECT:	STCG-0472.0110	ALS SAMPLE#:	EV17100021-02
CLIENT SAMPLE ID	MW-10-6.67	DATE RECEIVED:	10/06/2017
		COLLECTION DATE:	10/4/2017 1:55:00 PM
		WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
TPH-Volatile Range	NWTPH-GX	2200	100	2	UG/L	10/09/2017	SNC
Benzene	EPA-8021	10	2.0	2	UG/L	10/09/2017	SNC
Toluene	EPA-8021	3.8	2.0	2	UG/L	10/09/2017	SNC
Ethylbenzene	EPA-8021	2.9	2.0	2	UG/L	10/09/2017	SNC
Xylenes	EPA-8021	U	6.0	2	UG/L	10/09/2017	SNC
Lead	EPA-200.8	1.6	1.0	1	UG/L	10/06/2017	RAL

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
TFT 2X Dilution	NWTPH-GX	133	10/09/2017	SNC
TFT 2X Dilution	EPA-8021	121	10/09/2017	SNC

U - Analyte analyzed for but not detected at level above reporting limit.
Chromatogram indicates that it is likely that sample contains highly weathered gasoline.



CERTIFICATE OF ANALYSIS

CLIENT:	Antea Group 4006 - 148th Ave NE Redmond, WA 98052	DATE:	10/9/2017
CLIENT CONTACT:	Matt Miller	ALS JOB#:	EV17100021
CLIENT PROJECT:	STCG-0472.0110	ALS SAMPLE#:	EV17100021-03
CLIENT SAMPLE ID	MW-11-7.10	DATE RECEIVED:	10/06/2017
		COLLECTION DATE:	10/4/2017 12:45:00 PM
		WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
TPH-Volatile Range	NWTPH-GX	U	50	1	UG/L	10/07/2017	SNC
Benzene	EPA-8021	U	1.0	1	UG/L	10/07/2017	SNC
Toluene	EPA-8021	U	1.0	1	UG/L	10/07/2017	SNC
Ethylbenzene	EPA-8021	U	1.0	1	UG/L	10/07/2017	SNC
Xylenes	EPA-8021	U	3.0	1	UG/L	10/07/2017	SNC
Lead	EPA-200.8	U	1.0	1	UG/L	10/06/2017	RAL

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
TFT	NWTPH-GX	90.8	10/07/2017	SNC
TFT	EPA-8021	98.1	10/07/2017	SNC

U - Analyte analyzed for but not detected at level above reporting limit.



CERTIFICATE OF ANALYSIS

CLIENT:	Antea Group 4006 - 148th Ave NE Redmond, WA 98052	DATE:	10/9/2017
		ALS SDG#:	EV17100021
		WDOE ACCREDITATION:	C601
CLIENT CONTACT:	Matt Miller		
CLIENT PROJECT:	STCG-0472.0110		

LABORATORY BLANK RESULTS

MBG-100517W - Batch 120703 - Water by NWTPH-GX

ANALYTE	METHOD	RESULTS	UNITS	REPORTING LIMITS	ANALYSIS DATE	ANALYSIS BY
TPH-Volatile Range	NWTPH-GX	U	UG/L	50	10/05/2017	SNC

U - Analyte analyzed for but not detected at level above reporting limit.

MB-100517W - Batch 120703 - Water by EPA-8021

ANALYTE	METHOD	RESULTS	UNITS	REPORTING LIMITS	ANALYSIS DATE	ANALYSIS BY
Benzene	EPA-8021	U	UG/L	1.0	10/05/2017	SNC
Toluene	EPA-8021	U	UG/L	1.0	10/05/2017	SNC
Ethylbenzene	EPA-8021	U	UG/L	1.0	10/05/2017	SNC
Xylenes	EPA-8021	U	UG/L	3.0	10/05/2017	SNC

U - Analyte analyzed for but not detected at level above reporting limit.

MB-100617W - Batch 120738 - Water by EPA-200.8

ANALYTE	METHOD	RESULTS	UNITS	REPORTING LIMITS	ANALYSIS DATE	ANALYSIS BY
Lead	EPA-200.8	U	UG/L	1.0	10/06/2017	RAL

U - Analyte analyzed for but not detected at level above reporting limit.



EV17100021



COLONY CHAIN-OF-CUSTODY / Analytical Request Document
 The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed and accurate.



Required Lab Information:			Required Project Information:				Required Invoice Information:																	
Lab Name: ALC Everett			Site ID #: STCG-0472		Task: 2017_GWS		Send Invoices to: Colony Insurance		Claim #: 21184															
Address: 5500 Holly Drive, Suite 100			Antea project #: STCG-0472.0110		Attention: Pat Perry		Phone #:		Turn around time (Business days): Standard															
Everett, WA 98208			Site Address: 3152 Washington Way		Email Address: patrick.perry@antegroupus.com				TAT Organic, Metals & Inorganic Analysis: 10 Days															
Lab PM: Rick Bagan			City: Longview State: WA		Address:				TAT Fuels & Hydrocarbon Analysis: 5 Days															
Phone/Fax: 425-356-2800			Name of Antea PM: Matthew Miller		Send EDD to: aqdataview@antegroup.com				Other:															
Lab PM Email: rick.bagan@aisglobal.com			Phone/Fax: P: 425-498-7722 F:		CC Hardcopy report to: Matt.Miller@antegroup.com				Lab Project ID (lab use):															
Applicable Lab Quote #:			PM Email: Matt.Miller@antegroup.com		CC Hardcopy report to:				Requested Analyses															
ITEM #	SAMPLE ID One Character per box. (A-Z, 0-9 / .)	Valid Matrix Codes MATRIX GROUNDWATER SURFACE WATER WASTE WATER FRESH WASTEWATER ICE SLURRY WASTE TANKS SOLID SLURRY SOLID	MATRIX CODE	SAMPLE TYPE G=GRAB C=COMP	SAMPLE DATE	SAMPLE TIME	#OF CONTAINERS	FIELD FILTERED?	Preservatives										Requested Analyses	Comments/Lab Sample I.D.	Received in Good Condition?			
									Unpreserved	H ₂ SO ₄	HNO ₃	HCl	NaOH	Na ₂ S ₂ O ₃	Methanol	Other	MWPK-QX	STEL-2021B				T-LEAD-80107030		
1	MW-9 - 5.66		WG	G	10/4/17	14:40	3	N											X	X	X			
	MW-10 - 6.67		WG	G	↓	13:55	↓	N											X	X	X			
	MW-11 - 7.10		WG	G	↓	12:45	↓	N											X	X	X			
4																								
5																								
6																								
7																								
8																								
9																								
10																								
11																								
12																								
Additional Comments/Special Instructions:			ACCEPTED BY (Name Company Date Time) Cate Fleming, Antea Group, 10/5/17, 12:00				ACCEPTED BY (Name Company Date Time) Shawn Robins ALS 10/6/17 9:30am																	
			SHIPPING METHOD (Circle One)																					
			UPS				COURIER				FEDEX				US MAIL				DROP OFF					

Soil Boring Installation Report
Miller's Market
3152 Washington Way, Longview, Washington 98632



Appendix D

Method B Analysis and Worksheets

TABLE 1
SUMMARY OF HISTORICAL SOIL ANALYTICAL RESULTS
MILLER'S MARKET
3152 Washington Way
Longview, Washington

Sample ID	Sample Date	Depth BGS (feet)	Gasoline Range (mg/kg)	Diesel Range (mg/kg)	Oil Range (mg/kg)	MTBE (mg/kg)	Benzene (mg/kg)	Toluene (mg/kg)	Ethyl-benzene (mg/kg)	Total Xylenes (mg/kg)
P-1(3)	06/25/03	3	ND	--	--	ND	ND	ND	ND	ND
P-2(2)	06/25/03	2	ND	--	--	ND	ND	ND	ND	ND
P-2(6)	06/25/03	6	42	--	--	ND	1.1	3.0	0.5	4.5
RW-1-2.5	11/06/03	2.5	78	--	--	<0.1	0.2	0.3	0.2	1.8
RW-1-5	11/06/03	5	230	--	--	<0.2	0.5	<0.1	1.8	5.0
B-6	02/27/17	1.5	<3.0	--	--	<0.10	<0.030	<0.050	<0.050	<0.20
B-6	02/27/17	2.5	23	--	--	<0.10	<0.030	<0.050	<0.050	<0.20
B-6	02/27/17	5	3.9	--	--	<0.10	<0.030	<0.050	<0.050	<0.20
B-6	02/27/17	6	<3.0	--	--	<0.10	<0.030	<0.050	<0.050	<0.20
P-3(1.5)	07/09/03	1.5	ND	--	--	ND	ND	ND	ND	ND
P-3(4.5)	07/09/03	4.5	ND	--	--	ND	ND	ND	ND	ND
P-4(5)	07/09/03	5	ND	--	--	ND	ND	ND	ND	ND
P-6(5)	06/25/03	5	220	--	--	ND	ND	0.6	2.3	6.4
B-2	02/27/17	2.5	21	--	--	<0.10	<0.030	<0.050	<0.050	<0.20
B-2	02/27/17	5	500	--	--	<0.50	<0.015	<0.25	<0.25	<1.0
B-2	02/27/17	7.5	67	--	--	<0.10	<0.030	<0.050	<0.050	<0.20
P-7A(6.5)	07/09/03	6.5	ND	--	--	ND	ND	ND	ND	ND
P-8(1.5)	07/09/03	1.5	ND	--	--	ND	ND	ND	ND	ND
P-8(4.5)	07/09/03	4.5	ND	--	--	ND	ND	ND	ND	ND
P-9(1.5)	07/09/03	1.5	ND	--	--	ND	ND	ND	ND	ND
P-9(4.5)	07/09/03	4.5	ND	--	--	ND	ND	ND	ND	ND
MW-1-6	11/06/03	6	ND	--	--	<0.1	<0.04	<0.06	<0.06	<0.2
MW-2-5	11/05/03	5	ND	--	--	<0.1	<0.04	<0.06	<0.06	<0.2
MW-3-3	11/05/03	3	190	--	--	<0.4	<0.1	<0.2	0.6	0.9
MW-3-6	11/05/03	6	380	--	--	<0.4	0.6	0.7	2.4	3.5
B-4	02/27/17	1.5	<3.0	--	--	<0.10	<0.030	<0.050	<0.050	<0.20
B-4	02/27/17	3	220	--	--	<0.20	<0.060	<0.10	0.41	<0.40
B-4	02/27/17	6	710	--	--	<0.50	<0.15	<0.25	5.3	2.0
B-4	02/27/17	10	450	--	--	<0.50	<0.15	<0.25	2.9	<1.0
B-4	02/27/17	15	<3.0	--	--	<0.10	<0.030	<0.050	<0.050	<0.20
B-3	02/27/17	2.5	740	--	--	<1.0	<0.30	<0.50	2.8	<2.0
B-3	02/27/17	5	310	--	--	<0.20	<0.060	<0.10	<0.10	<0.40
B-3	02/27/17	10	34	--	--	<0.10	<0.030	<0.050	<0.050	<0.20
B-3	02/27/17	15	<3.0	--	--	<0.10	<0.030	<0.050	<0.050	<0.20
MW-4-5	10/27/05	5	15	<26	<52	<2	<0.03	<0.05	0.05	<0.2
MW-5-5	11/21/06	5	<4	<26	<51	--	<0.04	<0.07	<0.07	<0.2
MW-6-5	11/21/06	5	320	<28	<56	--	<0.07	<0.1	1.2	0.6
B-5	02/27/17	2.5	<3.0	--	--	<0.10	<0.030	<0.050	<0.050	<0.20
B-5	02/27/17	5	96	--	--	<0.10	<0.030	<0.050	<0.050	<0.20

TABLE 1
SUMMARY OF HISTORICAL SOIL ANALYTICAL RESULTS
MILLER'S MARKET
3152 Washington Way
Longview, Washington

Sample ID	Sample Date	Depth BGS (feet)	Gasoline Range (mg/kg)	Diesel Range (mg/kg)	Oil Range (mg/kg)	MTBE (mg/kg)	Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Total Xylenes (mg/kg)
B-5	02/27/17	10	290	--	--	<0.20	<0.060	<0.10	<0.10	<0.40
B-5	02/27/17	15	<3.0	--	--	<0.10	<0.030	<0.050	<0.050	<0.20
MW-7-5	11/21/06	5	<3	<25	<50	--	<0.03	<0.05	<0.05	<0.2
MW-8-5	11/21/06	5	<3	<25	<50	--	<0.03	<0.05	<0.05	<0.2
B-1	02/27/17	2.5	4.2	--	--	<0.10	0.056	0.060	0.069	0.21
B-1	02/27/17	5	4.0	--	--	<0.10	<0.030	<0.050	<0.050	<0.20
MTCA Method A Cleanup Levels:			100/30^a	2,000	2,000	0.1	0.03	7	6	9
MTCA Method B Cleanup Levels^b:						556	18.2	6,400	8,000	16,000

NOTES:

mg/kg = milligrams per kilogram

Depth in feet below ground surface

Benzene, toluene, ethylbenzene, and xylenes and MTBE = Aromatic compounds by EPA Method 8260

TPH-G = Total Petroleum Hydrocarbons as Gasoline by Northwest Method NWTPH-Gx

TPH-D = Total Petroleum Hydrocarbons as Diesel by Northwest Method NWTPH-Dx

TPH-O = Total Petroleum Hydrocarbons as Oil by Northwest Method NWTPH-Dx

< = Less than the stated laboratory reporting limit

"--" - Data not available

Bolded values equal or exceed MTCA Method A Cleanup Levels

MTCA = Model Toxics Control Act

^a MTCA Method A Cleanup levels for TPH-G are 100 mg/kg when no benzene is present and 30 mg/kg when benzene is present.

^b MTCA Method B Cleanup levels have not yet been calculated for Total TPH. Clark Values are shown for MTBE and BTEX compounds.

-Borings B-2 through B-6 assessed current soil conditions adjacent to documented soil detection in the previous sample on the table.

-Boring B-1 was installed in order to delineate groundwater to the north of well MW-8.

TABLE 2
EPH/VPH SOIL ANALYTICAL RESULTS
MILLER'S MARKET
3152 Washington Way
Longview, Washington

Sample ID	B-2-5ft		B-3-2.5ft		B-4-6ft		B-5-10ft	
	NWEPH	NWVPH	NWEPH	NWVPH	NWEPH	NWVPH	NWEPH	NWVPH
Sample Date	2/27/2017		2/27/2017		2/27/2017		2/27/2017	
C5-C6 Aliphatics (mg/kg)	NA	<5.0	NA	<5.0	NA	5.7	NA	<5.0
C6-C8 Aliphatics (mg/kg)	NA	21	NA	73	NA	110	NA	31
C8-C10 Aliphatics (mg/kg)	NA	30	NA	55	NA	34	NA	20
C10-C12 Aliphatics (mg/kg)	35	NA	44	NA	45	NA	35	NA
C12-C16 Aliphatics (mg/kg)	<5.0	NA	7.2	NA	6.5	NA	6.4	NA
C16-C21 Aliphatics (mg/kg)	<5.0	NA	<5.0	NA	<5.0	NA	<5.0	NA
C21-C34 Aliphatics (mg/kg)	<5.0	NA	<5.0	NA	<5.0	NA	<5.0	NA
C8-C10 Aromatics (mg/kg)	NA	67	NA	140	NA	140	NA	51
C10-C12 Aromatics (mg/kg)	<5.0	NA	25	NA	40	NA	15	NA
C12-C16 Aromatics (mg/kg)	<5.0	NA	10	NA	10	NA	<5.0	NA
C16-C21 Aromatics (mg/kg)	<5.0	NA	<5.0	NA	<5.0	NA	<5.0	NA
C21-C34 Aromatics (mg/kg)	<5.0	NA	<5.0	NA	<5.0	NA	<5.0	NA

NOTES:

mg/kg = milligrams per kilogram

NA = Not analyzed

< = Less than the stated laboratory reporting limit

Bold = Detections

A1 Soil Cleanup Levels: Worksheet for Soil Data Entry: Refer to WAC 173-340-720, 740,745, 747, 750

1. Enter Site Information

Date: 02/27/17
 Site Name: Miller's Market
 Sample Name: B-2-5

2. Enter Soil Concentration Measured

Chemical of Concern or Equivalent Carbon Group	Measured Soil Conc dry basis mg/kg	Composition Ratio %
Petroleum EC Fraction		
AL_EC>5-6	2.5	1.44%
AL_EC>6-8	21	12.11%
AL_EC>8-10	30	17.30%
AL_EC>10-12	35	20.19%
AL_EC>12-16	2.5	1.44%
AL_EC>16-21	2.5	1.44%
AL_EC>21-34	2.5	1.44%
AR_EC>8-10	66.375	38.28%
AR_EC>10-12	2.5	1.44%
AR_EC>12-16	2.5	1.44%
AR_EC>16-21	2.5	1.44%
AR_EC>21-34	2.5	1.44%
Benzene	0.00075	0.00%
Toluene	0.125	0.07%
Ethylbenzene	0.125	0.07%
Total Xylenes	0.5	0.29%
Naphthalene		0.00%
1-Methyl Naphthalene		0.00%
2-Methyl Naphthalene		0.00%
n-Hexane		0.00%
MTBE	0.25	0.14%
Ethylene Dibromide (EDB)		0.00%
1,2 Dichloroethane (EDC)		0.00%
Benzo(a)anthracene		0.00%
Benzo(b)fluoranthene		0.00%
Benzo(k)fluoranthene		0.00%
Benzo(a)pyrene		0.00%
Chrysene		0.00%
Dibenz(a,h)anthracene		0.00%
Indeno(1,2,3-cd)pyrene		0.00%
Sum	173.37575	100.00%

Notes for Data Entry Set Default Hydrogeology

Clear All Soil Concentration Data Entry Cells

Restore All Soil Concentration Data cleared previously

REMARK:

When analytical results were not detected, one half of the method detection limit was entered.

The results for Ethylbenzene and Xylenes were subtracted from equivalent carbon fraction AR_EC>8-10 as to not double count results.

3. Enter Site-Specific Hydrogeological Data

Total soil porosity:	0.43	Unitless
Volumetric water content:	0.3	Unitless
Volumetric air content:	0.13	Unitless
Soil bulk density measured:	1.5	kg/L
Fraction Organic Carbon:	0.001	Unitless
Dilution Factor:	20	Unitless

4. Target TPH Ground Water Concentration (if adjusted)

If you adjusted the target TPH ground water concentration, enter adjusted value here: ug/L

A2 Soil Cleanup Levels: Calculation and Summary of Results. Refer to WAC 173-340-720, 740, 745, 747, 750

Site Information

Date: <u>2/27/2017</u>
Site Name: <u>Millers Market</u>
Sample Name: <u>B-2-5</u>
Measured Soil TPH Concentration, mg/kg: <u>173.376</u>

1. Summary of Calculation Results

Exposure Pathway	Method/Goal	Protective Soil TPH Conc, mg/kg	With Measured Soil Conc		Does Measured Soil Conc Pass or Fail?
			RISK @	HI @	
Protection of Soil Direct Contact: Human Health	Method B	3,826	4.13E-11	4.53E-02	Pass
	Method C	70,265	5.53E-12	2.47E-03	Pass
Protection of Method B Ground Water Quality (Leaching)	Potable GW: Human Health Protection	59	1.46E-07	1.37E+00	Fail
	Target TPH GW Conc. @ 500 ug/L	43	NA	NA	Fail

2. Results for Protection of Soil Direct Contact Pathway: Human Health

	Method B: Unrestricted Land Use	Method C: Industrial Land Use
Protective Soil Concentration, TPH mg/kg	3,825.51	70,264.93
Most Stringent Criterion	HI =1	HI =1

Soil Criteria	Protective Soil Concentration @Method B				Protective Soil Concentration @Method C			
	Most Stringent?	TPH Conc, mg/kg	RISK @	HI @	Most Stringent?	TPH Conc, mg/kg	RISK @	HI @
HI=1	YES	3.83E+03	9.11E-10	1.00E+00	YES	7.03E+04	2.24E-09	1.00E+00
Total Risk=1E-5	NO	4.20E+07	1.00E-05	1.10E+04	NO	3.14E+08	1.00E-05	4.46E+03
Risk of Benzene= 1E-6	NO	4.20E+06	1.00E-06	1.10E+03	NA			
Risk of cPAHs mixture= 1E-6	NA	NA	NA	NA				
EDB	NA	NA	NA	NA				
EDC	NA	NA	NA	NA				

3. Results for Protection of Ground Water Quality (Leaching Pathway)

3.1. Protection of Potable Ground Water Quality (Method B): Human Health Protection

Most Stringent Criterion	MTBE = 20 ug/L
Protective Ground Water Concentration, ug/L	636.96
Protective Soil Concentration, mg/kg	59.02

Ground Water Criteria	Protective Potable Ground Water Concentration @Method B				Protective Soil Conc, mg/kg
	Most Stringent?	TPH Conc, ug/L	RISK @	HI @	
HI=1	NO	8.11E+02	7.83E-08	1.00E+00	8.52E+01
Total Risk = 1E-5	NO	5.84E+03	7.81E-07	1.90E+00	100% NAPL
Total Risk = 1E-6	NO	5.84E+03	7.81E-07	1.90E+00	100% NAPL
Risk of cPAHs mixture= 1E-5	NA	NA	NA	NA	NA
Benzene MCL = 5 ug/L	NO	5.84E+03	7.81E-07	1.90E+00	100% NAPL
MTBE = 20 ug/L	YES	6.37E+02	5.55E-08	7.94E-01	5.90E+01

Note: 100% NAPL is 68000 mg/kg TPH.

3.2. Protection of Ground Water Quality for TPH Ground Water Concentration previously adjusted and entered

Ground Water Criteria	Protective Ground Water Concentration			Protective Soil Conc, mg/kg
	TPH Conc, ug/L	Risk @	HI @	
Target TPH GW Conc = 500 ug/L	5.00E+02	4.08E-08	6.29E-01	4.29E+01

A1 Soil Cleanup Levels: Worksheet for Soil Data Entry: Refer to WAC 173-340-720, 740,745, 747, 750

1. Enter Site Information

Date: 02/27/17
 Site Name: Millers Market
 Sample Name: B-3-2.5

2. Enter Soil Concentration Measured

Chemical of Concern or Equivalent Carbon Group	Measured Soil Conc dry basis mg/kg	Composition Ratio %
Petroleum EC Fraction		
AL_EC>5-6	2.5	0.68%
AL_EC>6-8	73	19.86%
AL_EC>8-10	55	14.96%
AL_EC>10-12	44	11.97%
AL_EC>12-16	7.2	1.96%
AL_EC>16-21	2.5	0.68%
AL_EC>21-34	2.5	0.68%
AR_EC>8-10	136.2	37.05%
AR_EC>10-12	25	6.80%
AR_EC>12-16	10	2.72%
AR_EC>16-21	2.5	0.68%
AR_EC>21-34	2.5	0.68%
Benzene	0.15	0.04%
Toluene	0.25	0.07%
Ethylbenzene	2.8	0.76%
Total Xylenes	1	0.27%
Naphthalene		0.00%
1-Methyl Naphthalene		0.00%
2-Methyl Naphthalene		0.00%
n-Hexane		0.00%
MTBE	0.5	0.14%
Ethylene Dibromide (EDB)		0.00%
1,2 Dichloroethane (EDC)		0.00%
Benzo(a)anthracene		0.00%
Benzo(b)fluoranthene		0.00%
Benzo(k)fluoranthene		0.00%
Benzo(a)pyrene		0.00%
Chrysene		0.00%
Dibenz(a,h)anthracene		0.00%
Indeno(1,2,3-cd)pyrene		0.00%
Sum	367.6	100.00%

Notes for Data Entry Set Default Hydrogeology
 Clear All Soil Concentration Data Entry Cells
 Restore All Soil Concentration Data cleared previously

REMARK:

When analytical results were not detected, one half of the method detection limit was entered.

The results for Ethylbenzene and Xylenes were subtracted from equivalent carbon fraction AR_EC>8-10 as to not double count results.

3. Enter Site-Specific Hydrogeological Data

Total soil porosity:	0.43	Unitless
Volumetric water content:	0.3	Unitless
Volumetric air content:	0.13	Unitless
Soil bulk density measured:	1.5	kg/L
Fraction Organic Carbon:	0.001	Unitless
Dilution Factor:	20	Unitless

4. Target TPH Ground Water Concentration (if adjusted)

If you adjusted the target TPH ground water concentration, enter adjusted value here: ug/L

A2 Soil Cleanup Levels: Calculation and Summary of Results. Refer to WAC 173-340-720, 740, 745, 747, 750

Site Information

Date: <u>2/27/2017</u>
Site Name: <u>Millers Market</u>
Sample Name: <u>B-3-2.5</u>
Measured Soil TPH Concentration, mg/kg: <u>367.600</u>

1. Summary of Calculation Results

Exposure Pathway	Method/Goal	Protective Soil TPH Conc, mg/kg	With Measured Soil Conc		Does Measured Soil Conc Pass or Fail?
			RISK @	HI @	
Protection of Soil Direct Contact: Human Health	Method B	3,990	8.26E-09	9.21E-02	Pass
	Method C	73,223	1.11E-09	5.02E-03	Pass
Protection of Method B Ground Water Quality (Leaching)	Potable GW: Human Health Protection	43	2.42E-05	2.61E+00	Fail
	Target TPH GW Conc. @ 500 ug/L	35	NA	NA	Fail

Warning! Check to determine if a simplified or site-specific Terrestrial Ecological Evaluation may be required (Refer to WAC 173-340-7490 through ~7494).

2. Results for Protection of Soil Direct Contact Pathway: Human Health

	Method B: Unrestricted Land Use	Method C: Industrial Land Use
Protective Soil Concentration, TPH mg/kg	3,989.55	73,222.55
Most Stringent Criterion	HI=1	HI=1

Soil Criteria	Protective Soil Concentration @Method B				Protective Soil Concentration @Method C			
	Most Stringent?	TPH Conc, mg/kg	RISK @	HI @	Most Stringent?	TPH Conc, mg/kg	RISK @	HI @
HI=1	YES	3.99E+03	8.96E-08	1.00E+00	YES	7.32E+04	2.20E-07	1.00E+00
Total Risk=1E-5	NO	4.45E+05	1.00E-05	1.12E+02	NO	3.32E+06	1.00E-05	4.54E+01
Risk of Benzene= 1E-6	NO	4.45E+04	1.00E-06	1.12E+01	NA			
Risk of cPAHs mixture= 1E-6	NA	NA	NA	NA				
EDB	NA	NA	NA	NA				
EDC	NA	NA	NA	NA				

3. Results for Protection of Ground Water Quality (Leaching Pathway)

3.1. Protection of Potable Ground Water Quality (Method B): Human Health Protection

Most Stringent Criterion	HI=1
Protective Ground Water Concentration, ug/L	585.71
Protective Soil Concentration, mg/kg	42.81

Ground Water Criteria	Protective Potable Ground Water Concentration @Method B				Protective Soil Conc, mg/kg
	Most Stringent?	TPH Conc, ug/L	RISK @	HI @	
HI=1	YES	5.86E+02	3.86E-06	1.00E+00	4.28E+01
Total Risk = 1E-5	NO	1.09E+03	1.00E-05	1.84E+00	1.19E+02
Total Risk = 1E-6	YES	1.63E+02	1.00E-06	2.81E-01	1.10E+01
Risk of cPAHs mixture= 1E-5	NA	NA	NA	NA	NA
Benzene MCL = 5 ug/L	NO	8.38E+02	6.29E-06	1.42E+00	7.14E+01
MTBE = 20 ug/L	NO	7.71E+02	5.55E-06	1.31E+00	6.26E+01

3.2 Protection of Ground Water Quality for TPH Ground Water Concentration previously adjusted and entered

Ground Water Criteria	Protective Ground Water Concentration			Protective Soil Conc, mg/kg
	TPH Conc, ug/L	Risk @	HI @	
Target TPH GW Conc = 500 ug/L	5.00E+02	3.19E-06	8.56E-01	3.53E+01

A1 Soil Cleanup Levels: Worksheet for Soil Data Entry: Refer to WAC 173-340-720, 740,745, 747, 750

1. Enter Site Information

Date: 02/27/17
 Site Name: Millers Market
 Sample Name: B-4-6

2. Enter Soil Concentration Measured

Chemical of Concern or Equivalent Carbon Group	Measured Soil Conc	Composition
	dry basis mg/kg	Ratio %
Petroleum EC Fraction		
AL_EC>5-6	5.7	1.42%
AL_EC>6-8	110	27.39%
AL_EC>8-10	34	8.47%
AL_EC>10-12	45	11.20%
AL_EC>12-16	6.5	1.62%
AL_EC>16-21	2.5	0.62%
AL_EC>21-34	2.5	0.62%
AR_EC>8-10	132.7	33.04%
AR_EC>10-12	40	9.96%
AR_EC>12-16	10	2.49%
AR_EC>16-21	2.5	0.62%
AR_EC>21-34	2.5	0.62%
Benzene	0.075	0.02%
Toluene	0.125	0.03%
Ethylbenzene	5.3	1.32%
Total Xylenes	2	0.50%
Naphthalene		0.00%
1-Methyl Naphthalene		0.00%
2-Methyl Naphthalene		0.00%
n-Hexane		0.00%
MTBE	0.25	0.06%
Ethylene Dibromide (EDB)		0.00%
1,2 Dichloroethane (EDC)		0.00%
Benzo(a)anthracene		0.00%
Benzo(b)fluoranthene		0.00%
Benzo(k)fluoranthene		0.00%
Benzo(u)pyrene		0.00%
Chrysene		0.00%
Dibenz(a,h)anthracene		0.00%
Indeno(1,2,3-cd)pyrene		0.00%
Sum	401.65	100.00%

Notes for Data Entry

Set Default Hydrogeology

Clear All Soil Concentration Data Entry Cells

Restore All Soil Concentration Data cleared previously

REMARK:

When analytical results were not detected, one half of the method detection limit was entered.

The results for Ethylbenzene and Xylenes were subtracted from equivalent carbon fraction AR_EC>8-10 as to not double count results.

3. Enter Site-Specific Hydrogeological Data

Total soil porosity:	0.43	Unitless
Volumetric water content:	0.3	Unitless
Volumetric air content:	0.13	Unitless
Soil bulk density measured:	1.5	kg/L
Fraction Organic Carbon:	0.001	Unitless
Dilution Factor:	20	Unitless

4. Target TPH Ground Water Concentration (if adjusted)

If you adjusted the target TPH ground water concentration, enter adjusted value here: ug/L

A2 Soil Cleanup Levels: Calculation and Summary of Results. Refer to WAC 173-340-720, 740, 745, 747, 750

Site Information

Date: 2/27/2017

Site Name: Millers Market

Sample Name: B-4-6

Measured Soil TPH Concentration, mg/kg: 401.650

1. Summary of Calculation Results

Exposure Pathway	Method/Goal	Protective Soil TPH Conc, mg/kg	With Measured Soil Conc		Does Measured Soil Conc Pass or Fail?
			RISK @	HI @	
Protection of Soil Direct Contact: Human Health	Method B	4,326	4.13E-09	9.28E-02	Pass
	Method C	79,625	5.53E-10	5.04E-03	Pass
Protection of Method B Ground Water Quality (Leaching)	Potable GW: Human Health Protection	39	1.16E-05	2.43E+00	Fail
	Target TPH GW Conc. @ 500 ug/L	33	NA	NA	Fail

Warning! Check to determine if a simplified or site-specific Terrestrial Ecological Evaluation may be required (Refer to WAC 173-340-7490 through ~7494).

2. Results for Protection of Soil Direct Contact Pathway: Human Health

	Method B: Unrestricted Land Use	Method C: Industrial Land Use
Protective Soil Concentration, TPH mg/kg	4,326.20	79,625.04
Most Stringent Criterion	HI=1	HI=1

Soil Criteria	Protective Soil Concentration @Method B				Protective Soil Concentration @Method C			
	Most Stringent?	TPH Conc, mg/kg	RISK @	HI @	Most Stringent?	TPH Conc, mg/kg	RISK @	HI @
HI=1	YES	4.33E+03	4.45E-08	1.00E+00	YES	7.96E+04	1.10E-07	1.00E+00
Total Risk=1E-5	NO	9.73E+05	1.00E-05	2.25E+02	NO	7.26E+06	1.00E-05	9.12E+01
Risk of Benzene= 1E-6	NO	9.73E+04	1.00E-06	2.25E+01	NA			
Risk of cPAHs mixture= 1E-6	NA	NA	NA	NA				
EDB	NA	NA	NA	NA				
EDC	NA	NA	NA	NA				

3. Results for Protection of Ground Water Quality (Leaching Pathway)

3.1. Protection of Potable Ground Water Quality (Method B): Human Health Protection

	HI=1
Most Stringent Criterion	HI=1
Protective Ground Water Concentration, ug/L	571.15
Protective Soil Concentration, mg/kg	39.03

Ground Water Criteria	Protective Potable Ground Water Concentration @Method B				Protective Soil Conc, mg/kg
	Most Stringent?	TPH Conc, ug/L	RISK @	HI @	
HI=1	YES	5.71E+02	1.62E-06	1.00E+00	3.90E+01
Total Risk = 1E-5	NO	1.39E+03	1.00E-05	2.35E+00	3.20E+02
Total Risk = 1E-6	YES	3.68E+02	1.00E-06	6.49E-01	2.40E+01
Risk of cPAHs mixture= 1E-5	NA	NA	NA	NA	NA
Benzene MCL = 5 ug/L	NO	1.23E+03	6.29E-06	2.08E+00	1.73E+02
MTBE = 20 ug/L	NO	1.16E+03	5.18E-06	1.96E+00	1.37E+02

3.2. Protection of Ground Water Quality for TPH Ground Water Concentration previously adjusted and entered

Ground Water Criteria	Protective Ground Water Concentration			Protective Soil Conc, mg/kg
	TPH Conc, ug/L	Risk @	HI @	
Target TPH GW Conc = 500 ug/L	5.00E+02	1.39E-06	8.78E-01	3.34E+01

A1 Soil Cleanup Levels: Worksheet for Soil Data Entry: Refer to WAC 173-340-720, 740,745, 747, 750

1. Enter Site Information

Date: 02/27/17
 Site Name: Millers Market
 Sample Name: B-5-10

2. Enter Soil Concentration Measured

Chemical of Concern or Equivalent Carbon Group	Measured Soil Conc	Composition
	dry basis mg/kg	Ratio %
Petroleum EC Fraction		
AL_EC >5-6	2.5	1.44%
AL_EC >6-8	31	17.86%
AL_EC >8-10	20	11.52%
AL_EC >10-12	35	20.16%
AL_EC >12-16	6.4	3.69%
AL_EC >16-21	2.5	1.44%
AL_EC >21-34	2.5	1.44%
AR_EC >8-10	50.75	29.24%
AR_EC >10-12	15	8.64%
AR_EC >12-16	2.5	1.44%
AR_EC >16-21	2.5	1.44%
AR_EC >21-34	2.5	1.44%
Benzene	0.03	0.02%
Toluene	0.05	0.03%
Ethylbenzene	0.05	0.03%
Total Xylenes	0.2	0.12%
Naphthalene		0.00%
1-Methyl Naphthalene		0.00%
2-Methyl Naphthalene		0.00%
n-Hexane		0.00%
MTBE	0.1	0.06%
Ethylene Dibromide (EDB)		0.00%
1,2 Dichloroethane (EDC)		0.00%
Benzo(a)anthracene		0.00%
Benzo(b)fluoranthene		0.00%
Benzo(k)fluoranthene		0.00%
Benzo(a)pyrene		0.00%
Chrysene		0.00%
Dibenz(a,h)anthracene		0.00%
Indeno(1,2,3-cd)pyrene		0.00%
Sum	173.58	100.00%

Notes for Data Entry Set Default Hydrogeology

Clear All Soil Concentration Data Entry Cells

Restore All Soil Concentration Data cleared previously

REMARK:

When analytical results were not detected, one half of the method detection limit was entered.

The results for Ethylbenzene and Xylenes were subtracted from equivalent carbon fraction AR_EC>8-10 as to not double count results.

3. Enter Site-Specific Hydrogeological Data

Total soil porosity:	0.43	Unitless
Volumetric water content:	0.3	Unitless
Volumetric air content:	0.13	Unitless
Soil bulk density measured:	1.5	kg/L
Fraction Organic Carbon:	0.001	Unitless
Dilution Factor:	20	Unitless

4. Target TPH Ground Water Concentration (if adjusted)

If you adjusted the target TPH ground water concentration, enter adjusted value here: ug/L

A2 Soil Cleanup Levels: Calculation and Summary of Results. Refer to WAC 173-340-720, 740, 745, 747, 750

Site Information

Date: <u>2/27/2017</u>
Site Name: <u>Millers Market</u>
Sample Name: <u>B-5-10</u>
Measured Soil TPH Concentration, mg/kg: <u>173.580</u>

1. Summary of Calculation Results

Exposure Pathway	Method/Goal	Protective Soil TPH Conc, mg/kg	With Measured Soil Conc		Does Measured Soil Conc Pass or Fail?
			RISK @	HI @	
Protection of Soil Direct Contact: Human Health	Method B	3,498	1.65E-09	4.96E-02	Pass
	Method C	62,865	2.21E-10	2.76E-03	Pass
Protection of Method B Ground Water Quality (Leaching)	Potable GW: Human Health Protection	56	5.84E-06	1.71E+00	Fail
	Target TPH GW Conc. @ 500 ug/L	51	NA	NA	Fail

2. Results for Protection of Soil Direct Contact Pathway: Human Health

	Method B: Unrestricted Land Use	Method C: Industrial Land Use
Protective Soil Concentration, TPH mg/kg	3,498.06	62,864.66
Most Stringent Criterion	HI =1	HI =1

Soil Criteria	Protective Soil Concentration @Method B				Protective Soil Concentration @Method C			
	Most Stringent?	TPH Conc, mg/kg	RISK @	HI @	Most Stringent?	TPH Conc, mg/kg	RISK @	HI @
HI=1	YES	3.50E+03	3.33E-08	1.00E+00	YES	6.29E+04	8.01E-08	1.00E+00
Total Risk=1E-5	NO	1.05E+06	1.00E-05	3.00E+02	NO	7.85E+06	1.00E-05	1.25E+02
Risk of Benzene= 1E-6	NO	1.05E+05	1.00E-06	3.00E+01	NA			
Risk of cPAHs mixture= 1E-6	NA	NA	NA	NA				
EDB	NA	NA	NA	NA				
EDC	NA	NA	NA	NA				

3. Results for Protection of Ground Water Quality (Leaching Pathway)

3.1. Protection of Potable Ground Water Quality (Method B): Human Health Protection

Most Stringent Criterion	HI=1
Protective Ground Water Concentration, ug/L	537.05
Protective Soil Concentration, mg/kg	55.89

Ground Water Criteria	Protective Potable Ground Water Concentration @Method B				Protective Soil Conc, mg/kg
	Most Stringent?	TPH Conc, ug/L	RISK @	HI @	
HI=1	YES	5.37E+02	2.10E-06	1.00E+00	5.59E+01
Total Risk = 1E-5	NO	1.14E+03	1.00E-05	2.03E+00	3.52E+02
Total Risk = 1E-6	YES	2.91E+02	1.00E-06	5.53E-01	2.61E+01
Risk of cPAHs mixture= 1E-5	NA	NA	NA	NA	NA
Benzene MCL= 5 ug/L	NO	9.81E+02	6.29E-06	1.76E+00	1.90E+02
MTBE = 20 ug/L	NO	9.03E+02	5.12E-06	1.62E+00	1.48E+02

3.2. Protection of Ground Water Quality for TPH Ground Water Concentration previously adjusted and entered

Ground Water Criteria	Protective Ground Water Concentration			Protective Soil Conc, mg/kg
	TPH Conc, ug/L	Risk @	HI @	
Target TPH GW Conc = 500 ug/L	5.00E+02	1.91E-06	9.34E-01	5.06E+01