

REMEDIAL INVESTIGATION REPORT

Miller's Market

Colony Insurance Claim # 21164

3152 Washington Way

Longview, Washington 98632

Ecology Facility ID No. 91861675

Antea[®] Group Project No. STCG-047-2

July 28, 2015

Prepared for:

Miller's Market

3152 Washington Way

Longview, WA

Prepared by:

Antea Group

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1.0 INTRODUCTION

1.1 Property Information

Property Name	Miller's Market
Property Address	3152 Washington Way, Longview, Washington
Ecology Facility Site ID	91861675
LUST ID Number	1170
VCP Project No.	Not Assigned
Project Consultant	Antea Group
Project Consultant Contact Information	Matthew Miller – Senior Project Manager 4006 148 th Avenue NE Redmond, Washington, 98052 Office – 425.882.3528 Direct – 425.498.7722
Current Owner/Operator	Mike Bauman

1.2 Purpose

Antea®Group (Antea Group) has prepared this Remedial Investigation (RI) report on behalf of Mike Bauman for the active gasoline retail station with attached convenience store located on the northeast corner of the intersection of Washington Way and 32nd Avenue in Longview, Washington (Figure 1).

This RI report was prepared to include the required items in Washington Administrative Code (WAC) 173-340-350 and summarizes environmental investigations associated with the petroleum hydrocarbon release at the retail station, hereinafter referred to as the Site. The background and previous work history presented in this report is a summary of investigations and documents prepared by Antea Group and previous consultants.

2.0 SITE IDENTIFICATION AND DESCRIPTION

2.1 Site Discovery and Regulatory Status

In September 1991, five underground storage tanks (USTs) were decommissioned by removal. Samples collected from the UST excavation on the west side of the Site had concentrations of gasoline-range petroleum hydrocarbons and BTEX compounds in soil above current MTCA Method A cleanup levels. Removal of petroleum hydrocarbon-affected soil was limited due to the location of the street and the station building.

On March 31, 2003, a release of approximately 700 gallons of unleaded gasoline occurred at the Site. The release was reportedly caused when a transfer pump was left on, resulting in an overfilling of one of three USTs at the Site. During the release, fuel reportedly flowed overland from the fill port of the 12,000-gallon UST to a storm drain connected to an unlined ditch south of the Site. Emergency response services were provided by All-Out Industrial Environmental. Information provided by their site supervisor indicates that most of the fuel was recovered over a four day period.

On June 25, 2003, Delta Environmental Consultants, Inc. (Delta) advanced five hand auger borings (P-1, P-2, P-6, P-7 and P-7A) at the Site. Soil and groundwater samples were collected where possible. On July 09, 2003, GeoTech Explorations (GeoTech) of Tualatin, Oregon, under Delta supervision, advanced five Geoprobe borings (P-3, P-4, P-7A (deepened), P-8 and P-9) at the Site. The Geoprobe borings were advanced using hydraulic push-probe equipment with a five-foot by two-inch outside-diameter macrosampler. The borings were advanced to depths ranging from approximately 3 feet to 15 feet below grade. The location of the hand auger and Geoprobe borings, in relation to existing site features, is provided in Figure 2. The findings of the initial site investigation were presented in a report dated August 14, 2003 prepared by Delta.

On November 5 and 6, 2003, GeoTech, under Delta supervision, advanced four soil borings at the Site for the construction of three monitoring wells and one recovery well. The three borings for the monitoring wells (MW-1, MW-2, and MW-3) were advanced using a truck-mounted drill rig equipped with hollow-stem augers. These borings were advanced to depths ranging from approximately 20.5 feet to 21.5 feet below ground surface (bgs). The boring for the recovery well construction was advanced by using a vacuum truck to extract the soil. This boring was completed to a depth of approximately eight feet bgs. The well locations are shown in Figure 2.

Delta directed drilling and well installation activities on October 27 and November 21, 2005. Five soil borings were advanced using a hollow stem auger drill rig and split spoon sampling technique and were completed as groundwater monitoring wells MW-4 through MW-8. Monitoring wells MW-4, MW-5, and MW-6 were completed to 20 feet bgs and wells MW-7 and MW-8 were completed to 18 feet bgs. Analytical laboratory results indicated concentrations of TPH-G above Washington State Department of Ecology (Ecology) Model Toxics Control Act (MTCA) Method A cleanup levels in the vicinity of monitoring well MW-6.

On July 25, 2012 Antea Group, formerly Delta, installed an injection trench upgradient of well MW-3 in order to begin injecting sulfate and treat the residual hydrocarbons in the groundwater in this area. The sulfate was not migrating to monitoring well MW-3 as planned. Following approval from Ecology, injections took place directly into well MW-3 in addition to the injection trench. Sulfate injections took place until fourth quarter of 2013.

A notice of confirmed release was filed with Ecology's Leaking Underground Storage Tank (LUST) program on September 19, 1991 and the station was listed with the Cleanup Site, ID number 11051. Site characterization and remedial activities are currently being conducted in accordance with MTCA regulations. The Site is currently listed in the Ecology LUST database with a status of "Monitoring" as of February 2, 2009. Antea Group is the current consultant for this Site. The UST Summary is listed in Appendix A. The next anticipated phase of work is to continue groundwater monitoring until four quarters of groundwater samples below MTCA Method A cleanup levels have been collected. If groundwater concentrations increase above MTCA Method A cleanup levels, Antea Group will determine the appropriate remedial approach to address groundwater impacts remaining at the Site.

2.2 Site and Property Description

The Cowlitz County Assessor website lists the site as Property ID: 06240. The property is an active retail fueling station on the east corner of the intersection of Washington Way and 32nd Avenue in Longview, Washington (Figure 1). The service station facility consists of a canopy area with one dispenser island in the south portion of the property and a station building in the center of the property. Three USTs are located in the southeastern part of the Site and consist of one 12,000-gallon UST, one 8,000-gallon UST, and one 6,000-gallon UST that all store regular unleaded gasoline.

Historical soil analytical results from subsurface investigations conducted between 2003 and 2005 indicate that soil impacts are defined in the southern and western portions of the Site. Therefore, for the purposes of this RI report, the actual MTCA Site (Site) location is the property. The Site is bounded by 32nd Ave to the west, and Washington Way to the south. The implications of the analytical data collected to date are further described in Sections 6.0 and 7.0. A discussion of Site data gaps is included within Section 7.3.

2.3 Neighborhood Setting

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.

2.4 Physiographic Setting/Topography

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. A drainage ditch is located approximately 140 feet south of the Site. The property is paved with asphalt and concrete.

3.0 PROPERTY DEVELOPMENT AND HISTORY

3.1 Past Property Uses and Facilities

According to the Ecology UST database, three USTs were installed in 1964. According to the figure presented in the 1991 UST removal report, the station building was located on the east side of the property and included five USTs on the property. Two gasoline USTs (6,000 gallon each) were located on the west side of the property, one 8,000 gallon gasoline UST was located in the central portion, a 657 heating oil UST was located north of the canopy, and a 1,000-gallon waste oil UST was located west of the building. Three USTs, one 1,200-gallon, one 8,000-gallon, and one 6,000-gallon, were installed in 1991.

According to the Clallam County Assessor website, the property has operated under the business ownership of Mike Bauman since 2002. The prior use and ownership of the property is unknown. A legal description of the property, including present ownership, is included as Appendix A.

3.2 Current Property Use and Facilities

In 1991, five USTs on the property were decommissioned and removed from the Site. They were replaced by one 1,200-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. The property continues to operate as a retail fueling station facility.

3.3 Proposed or Potential Future Property Uses

The planned future use for the property is continued operation as a retail fueling station facility.

3.4 Zoning

According to the City of Longview Zoning Map (updated December 2012), the property and surrounding areas to the east are zoned as Neighborhood Commercial (NC). Surrounding properties to the west and north are zoned as High Density Residential (R-4), while the properties to the south are zoned as Low Density Residential (R-1).

3.5 Transportation/Roads

The property is an active retail fueling station located on the northeast corner of Washington Way and 32nd Avenue. Washington Way is a main arterial that connects the industrial area on the Columbia River to the inland areas and Interstate Route 5 (I-5). Washington Way runs east-west and provides access to the south portion of the property. 32nd Avenue runs north-south and provides access to the northwest and west portions of the property. Public bus stops are located on 32nd Avenue on the southwest corner of the property.

3.6 Utilities and Water Supply

A 4 inch water line runs north-south along 32nd Avenue and enters into the station building on the west side. The water line then runs east-west along the north edge of the property. The water lines are approximately buried 3 to 4 feet bgs. The water mains are serviced by the City of Longview Storm Water Utility.

Surface water from the property drains to the City of Longview storm water system. A storm water line extends from a catch basin just south of the property, to a drainage ditch located south across Washington Way.

The sanitary sewer line extends from the northeast corner of the property, south to Washington Way, then west to 32nd Avenue. The line feeds into the sewer line that runs north-south on 32nd Avenue, and continues west on Washington Way. The sewer lines are 8 inches in diameter and are buried approximately 7 to 9 feet bgs.

A natural gas line runs north-south along the eastern side of the property and then east-west along the south side of the property along Washington Way. The 2 inch gas line feeds into the line that runs north-south on 32nd Avenue. The depth of the natural gas line is unknown.

The property's electricity is serviced by the Cowlitz public utility district (PUD) from the transformer located on the east side of the property, in the parking lot, behind the adjacent restaurant. This transformer feeds the underground electrical lines that run along the north edge of the property. Buried electrical lines also run east-west along the south side of Washington Way. The electrical lines are old customer owned lines, are direct buried, and are between two to three feet bgs. Utility and water supply lines are shown on Figure 2.

The utility corridors may be considered a preferential pathway for the former petroleum hydrocarbon release. However, as indicated by the groundwater analytical data collected for the Site (Table 1), the petroleum hydrocarbons have vertically migrated to the water table. Groundwater has been encountered in the monitoring wells at depths between approximately 2 feet and 7 feet bgs. The Site's and nearby subsurface utilities are located within the upper 10 feet of the subsurface. Since previous groundwater impacts on Site were located on the property, and there are clean perimeter wells at the Site, the likelihood that the subsurface utilities are a preferential pathway for dissolved-phase plume migration is unlikely.

3.7 Potential Sources of Contamination

The source of hydrocarbon release at the Site includes the former UST complex and the current UST complex located in the west portion of the property and the southeast corner of the property, respectively. (Figure 2).

3.8 Potential Sources of Contamination from Neighboring Properties

A search was completed within the Ecology LUST database to identify active LUST sites within a one-mile radius of the property. Three LUST sites were identified: one approximately 5,280 feet to the northeast, one approximately 1,584 feet to the east, and one approximately 5,280 feet to the southeast. The site to the north is a retail fueling station, the site to the east is the parks maintenance department, and the site to the southeast is a Laundromat. Due to the direction, distance, and cross-gradient locations of these LUST site locations, they are not considered to be potential sources of impact to the Site.

4.0 ENVIRONMENTAL INVESTIGATION/INTERIM ACTION SUMMARY

The following investigations have been completed at the retail fueling station property:

- *Underground Storage Tank Decommissioning – November 1991*, Petroleum Services Unlimited
- *Initial Site Assessment Report – August 2003*, Delta Environmental Consultants, Inc.
- *Well Installation Report – April 2004*, Delta Environmental Consultants, Inc.
- *Additional Investigations and Well Installation Report – January 2006*, Delta Environmental Consultants, Inc.

A chronological summary of investigations listed above is included as Appendix B. This summary represents all available investigation reports obtained by or provided to Antea Group. Historical soil and water analytical data from the Petroleum Services tank decommissioning are attached as part of Appendix C. Soil and water analytical data and tables obtained from the 2003 through 2005 subsurface investigations are also included as part of Appendix C. All available historical boring logs for the previous investigations are included as Appendix D.

4.1 Constituents of Concern

In accordance to the claim filed with Colony Insurance (Colony), the constituents of concern are considered to be total petroleum hydrocarbons as gasoline (TPH-G), benzene, toluene, ethylbenzene, total xylenes (BTEX), and methyl-tert-butyl ether (MTBE).

4.2 Soil

Five USTs were decommissioned by removal in September 1991. Samples collected from the UST excavation on the west side of the Site had concentrations of TPH-G and BTEX that exceeded past and/or present MTCA Method A cleanup levels in the soil. Removal of petroleum hydrocarbon-affected soil was limited due to the location of the street and the station building.

On June 25, 2003, Delta advanced five hand auger borings (P-1, P-2, P-6, P-7 and P-7A) at the Site. Soil and groundwater samples were collected where possible. On July 09, 2003, Delta advanced five Geoprobe borings (P-3, P-4, P-7A (deepened), P-8 and P-9) at the site. The borings were advanced to depths ranging from approximately 3 feet to 15 feet bgs.

Under Delta's supervision, on November 5 and 6, 2003, Geo Tech advanced four soil borings at the Site for the construction of three monitoring wells and one recovery well. The three borings for the monitoring wells MW-1, MW-2, and MW-3 were advanced to depths ranging from approximately 20.5 feet to 21.5 feet bgs. The boring for the recovery well construction was completed to a depth of approximately eight feet bgs.

Delta directed drilling and well installation activities on October 27 and November 21, 2005. An additional five soil borings were advanced as groundwater monitoring wells MW-4 through MW-8. Monitoring well MW-4 was

advanced on October 27, 2005 and completed to 20 feet bgs. On November 21, 2005 monitoring wells MW-5 through MW-8 were installed. Wells MW-5 and MW-6 were completed to 20 feet bgs and wells MW-7 and MW-8 were completed to 18 feet bgs.

Since the initial tank decommissioning and tank removal in 1991, three more subsurface investigations and well developments have taken place on the property. The depths of soil samples collected range from 1 feet to 10 feet bgs. Soil and water analytical data and tables obtained from the 2003 through 2005 subsurface investigations are included as part of Appendix C.

Soil encountered on site consist primarily of silt to approximately 15 feet bgs underlain by sand. A layer of sand overlying the silt was encountered in wells MW-7 and MW-8. A layer of silty-gravel was also observed in the borings for wells MW-3 and MW-2 within the top 3 to 4 feet. A sandy-silt lens was observed in the boring for MW-3. The lines of geologic cross sections are shown on Figure 3. The soil lithology is shown on cross sections A-A' and B-B' presented as Figures 4 and 5.

4.3 Surface Water

Surface water runoff from the property flows into a storm drain located in the street just south of the property. The storm water catch basin is located along Washington Way (Figure 2). Surface water from the property drains to the City of Longview storm water system. The closest major surface water body, the Columbia River, is located approximately 4,500 feet southwest the property. A drainage ditch is located approximately 140 feet south across Washington Way from the Site. The drainage ditch contains surface water runoff from the surrounding area and extends to an industrial area located approximately 3,000 feet to the west.

4.4 Groundwater

Five USTs were decommissioned by removal in September 1991. Groundwater samples were reportedly collected from extraction pipes installed within the UST excavation on the east side of the site. Results from the groundwater samples were not included in the tank pull report and Antea Group did not see results in any of the documents reviewed for this Site.

On June 25, 2003, Delta advanced five hand auger borings (P-1, P-2, P-6, P-7 and P-7A) at the Site. Soil and groundwater samples were collected where possible. On July 09, 2003, Delta advanced five Geoprobe borings (P-3, P-4, P-7A (deepened), P-8 and P-9) at the Site. The borings were advanced to depths ranging from approximately 3 feet to 15 feet bgs. Groundwater samples were collected from seven of the soil borings directly from the boring using a temporary well-point, a peristaltic pump, and tubing. Laboratory results indicated that TPH-G and BTEX constituents were detected above laboratory reporting limits.

On November 5 and 6, 2003, Delta advanced four soil borings at the Site for the construction of three monitoring wells and one recovery well. The three borings for the monitoring wells (MW-1, MW-2, and MW-3) were advanced to depths ranging from approximately 20.5 feet to 21.5 feet bgs. The boring for the recovery well construction was completed to a depth of approximately eight feet bgs. Groundwater samples were collected on

November 17, 2003 from newly installed wells. Laboratory results indicated that TPH-G and benzene were detected above MTCA Method A cleanup levels in both soil and groundwater samples collected from soil borings and wells MW-3 and RW-1.

Delta directed drilling and well installation activities on October 27 and November 21, 2005. An additional five soil borings were advanced as groundwater monitoring wells MW-4 through MW-8. Monitoring well MW-4 was advanced on October 27, 2005 and installed to a depth of 20 feet bgs. On November 21, 2005 monitoring wells MW-5 through MW-8 were installed. Wells MW-5 and MW-6 were installed to a depth of 20 feet bgs and wells MW-7 and MW-8 were installed to a depth of 18 feet bgs. A groundwater sampling event took place in November 2005. Groundwater samples were collected from all existing wells on Site, MW-1 through MW-8 and RW-1. Laboratory results indicated that TPH-G and benzene were detected above MTCA Method A cleanup levels in monitoring wells MW-3 and MW-8.

Groundwater monitoring is currently being performed on a quarterly basis. Current groundwater conditions on and off Site are as follows: monitoring wells MW-1, MW-2, MW-4, and MW-5 have been non-detect or below MTCA Method A cleanup levels since installation. Monitoring well MW-3 has not exceeded the MTCA Method A cleanup level for TPH-G since December 2013. Well MW-3 did not exceed any constituent cleanup levels during the fourth quarter of 2014 and the first quarter of 2015 groundwater monitoring and sampling events. Monitoring well MW-6 had a benzene concentration that exceeded the MTCA Method A clean up level during the first quarter 2008 sampling event. Monitoring well MW-7 had a gasoline hit that exceeded the MTCA cleanup level during the first quarter of 2012 and benzene has not been detected since March of 2009. Benzene has never exceeded the MTCA cleanup levels in well MW-7. Well MW-8 has not exceeded cleanup levels for gasoline or benzene since September 2007. Recovery well RW-1 has primarily been non-detect for all constituents since November 2005. Well RW-1 was installed in the UST excavation pea gravel with a vac truck. Well MW-4 was installed adjacent to this well and is the proper compliance point for the southeast corner of the Site. A summary of historical groundwater analytical data through the second quarter of 2015, including groundwater elevations, is provided in Tables 1 and 2. The most recent groundwater analytical data is presented as Figure 6. The groundwater analytical data is further discussed within Section 6.4.

4.5 Sediment

Antea Group is not aware of any sediment issues at the Site. Antea Group has not reviewed any information regarding sediment sampling in the off-Site ditch related to the 2003 release.

4.6 Air/Soil Vapor

Subsurface soil vapor sampling has not been conducted at the Site. Based on the limited locations of previous soil and groundwater impacts, the fact that the soil samples were primarily collected below the high groundwater table, and current concentrations observed in groundwater, a soil vapor investigation is not warranted.

4.7 Natural Resources/Wildlife

A Terrestrial Ecological Evaluation (TEE) was completed for the Site and is included in this report (refer to Section 5.4). Previous soil impacts detected on Site were collected below the high groundwater table, and the groundwater data empirically demonstrates that any residual soil concentrations remaining on Site are protective of groundwater. The Site therefore qualifies for an exclusion from further evaluation. See Appendix E for TEE documentation.

4.8 Cultural History/Archeology

Information collected in regards to the historical use of the property does not indicate that additional investigation of property history or archeology is necessary.

4.9 Interim Actions

In September 1991, five USTs were decommissioned by removal. Soil samples collected from the western UST excavation, indicated impacts above cleanup levels. One soil sample exceeded present BTEX MTCA Method A cleanup levels and three samples exceeded gasoline cleanup levels. All of the samples were collected at the groundwater interface at the time which was 6 feet bgs. The samples were collected below the high groundwater level at the site, which is 3 feet bgs. All other samples collected were non-detect or below MTCA method A cleanup levels. Removal of petroleum hydrocarbon-affected soil was limited due to the location of the street and the station building. The consultant involved with the UST removal, installed PVC piping at 5 feet bgs in the former UST complex for potential use as a VE system. Antea Group did not review any information indicating that this system was ever installed and operated. The pipe would have been under groundwater most of the year and would likely not have worked as a VE system. Or at best, the system would have only worked seasonally.

On June 25, 2003, Delta advanced five hand auger borings (P-1, P-2, P-6, P-7 and P-7A) at the Site. Soil and groundwater samples were collected where possible. On July 09, 2003, GeoTech of Tualatin, Oregon, under Delta supervision, advanced five Geoprobe borings (P-3, P-4, P-7A (deepened), P-8 and P-9) at the Site. The Geoprobe borings were advanced using hydraulic push-probe equipment with a five-foot by two-inch outside-diameter macrosampler. The borings were advanced to depths ranging from approximately 3 feet to 15 feet bgs. One soil sample (P-2-6) contained TPH-G and benzene at 42 parts per million (ppm) and 1.1 ppm, respectively. Soil sample P-6-5 contained gas at 220 ppm. Probes P-2, P-3, P-4 and P-6 contained water concentrations above cleanup levels for gas and/or benzene. The soil samples were collected below the high groundwater level at the Site.

Under Delta supervision, on November 5 and 6, 2003, GeoTech, advanced four soil borings at the Site for the construction of three monitoring wells and one recovery well. The three borings for the monitoring wells (MW-1, MW-2, and MW-3) were advanced using a truck-mounted drill rig equipped with hollow-stem augers. These borings were advanced to depths ranging from approximately 20.5 feet to 21.5 feet bgs. The boring for the recovery well (RW-1) construction was advanced by using a vacuum truck to extract the soil. This boring was completed to a depth of approximately eight feet bgs. Laboratory results indicated that TPH-G and benzene were

detected above MTCA Method A cleanup levels in both soil and groundwater samples collected from soil borings and wells MW-3 and RW-1.

During October and November 2005, Delta directed drilling and well installation activities. Five soil borings were advanced and completed as groundwater monitoring wells MW-4 through MW-8 using a hollow stem auger drill rig. Monitoring wells MW-4, MW-5 and MW-6 were completed to 20 feet bgs. Monitoring wells MW-7 and MW-8 were completed to 18 feet bgs. Analytical laboratory results indicated concentrations of TPH-G above MTCA Method A cleanup levels for the soil sample collected from monitoring well MW-6 at 5 feet bgs. All other soil samples collected were below MTCA Method A cleanup levels and/or below laboratory reporting limits.

On July 25, Antea Group installed an injection trench upgradient of well MW-3 in order to begin injecting sulfate and treat the residual hydrocarbons in the groundwater in this area. The sulfate was not migrating to monitoring well MW-3 as planned. Following approval from Ecology, injections took place directly into well MW-3 in addition to the injection trench. Sulfate injections took place until fourth quarter of 2013.

5.0 NATURAL CONDITIONS

5.1 Geology

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.

5.2 Surface Water

Surface water runoff from the property flows into a storm drain located south of the property. The storm water catch basin is located along Washington Way (Figure 2). Surface water from the property drains to the City of Longview storm water system. The outfall for the storm water catch basin is located approximately 140 south in a drainage ditch across Washington Way. The closest major surface water body, the Columbia River, is located approximately 4,500 feet southwest the property.

5.3 Groundwater

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. The direction of groundwater flow is predominantly to the southeast. The groundwater monitoring data indicate that the gradient ranges between 0.005 to 0.03 feet per linear foot. The Figure 7 Rose Diagram illustrates the direction of groundwater flow as measured between selected groundwater monitoring events from 1993 through the second quarter of 2015.

A search completed within the Ecology Well Log database identified 3 resource protection wells and 5 multiple resource type wells within a one-half mile radius of the Site. One resource protection well is located northwest of the Site, one directly west, and one resource protection well is located to the southeast of the Site. The multiple resource type wells are located to the northeast, directly east, one is to the west, and one is located to the southwest of the Site. Due to the location of the wells, either up-gradient or cross gradient, these wells make the impact from contaminants associated with the Site unlikely. Also the search within the Ecology Well Log database indicated that there are no water supply wells located within a one-half mile radius of the Site. It should be noted that all of the wells on Site are currently below MTCA Method A cleanup levels, and the perimeter wells have been ND or below MTCA Method A cleanup levels for years. The half-mile radius well search map is included in Appendix E.

5.4 Natural Resources and Ecological Receptors

A TEE was completed for the Site. The preliminary TEE assessment of the Site indicated that it qualifies for a primary exclusion from further investigation based on two qualifiers. The first is point of compliance (WAC 173-340-7491(1)(a) which states that "All contaminated soil is or will be at least 15 feet below the surface." Since groundwater is now clean and soil contamination was not found above the high water elevation, it is inferred that there is no longer soil contamination at the Site. The second qualifier is barriers to exposure (WAC 173-340-7491(1)(b) which states that "All contaminated soil, is or will be covered by physical barriers (such as building or paved roads) that prevent exposure to plants and wildlife, and institutional controls are used to manage remaining contamination. The site is completely covered by a building and pavement. No further analysis was required. The TEE documentation is included as Appendix E.

6.0 CONTAMINANT OCCURRENCE AND MOVEMENT

6.1 Waste Material

Waste associated with previous investigations was transported off-Site for proper disposal. Therefore, discussion of the occurrence or movement of contaminants in this media is not applicable.

6.2 Soil

In September 1991, five USTs were decommissioned by removal. Soil samples collected from the western UST excavation, indicated impacts above cleanup levels. One soil sample exceeded current BTEX MTCA method A cleanup levels and three samples exceeded gasoline cleanup levels. All of the samples were collected at the groundwater interface at the time which was 6 feet bgs. The samples were collected below the high groundwater level at the site, which is 3 feet bgs. All other samples collected were non-detect or below MTCA method A cleanup levels. Removal of petroleum hydrocarbon-affected soil was limited due to the location of the street and the station building.

On June 25, 2003, Delta advanced five hand auger borings (P-1, P-2, P-6, P-7 and P-7A) at the Site. Soil and groundwater samples were collected where possible. On July 09, 2003, Delta advanced five Geoprobe borings (P-3, P-4, P-7A (deepened), P-8 and P-9) at the Site. The borings were advanced to depths ranging from approximately 3 feet to 15 feet bgs. All soil samples collected were analyzed for TPH-G, BTEX, and MTBE. Laboratory results indicated that one soil sample (P-2-6) contained TPH-G and benzene at 42 mg/kg and 1.1 mg/kg, respectively. Soil sample P-6-5 contained TPH-G at 220 mg/kg. MTBE was not detected above laboratory reporting limits in any of the analyzed soil samples.

On November 5 and 6, 2003, Delta supervised the advancement of four soil borings at the site for the construction of three monitoring wells and one recovery well. The three borings for the monitoring wells (MW-1, MW-2, and MW-3) were advanced to depths ranging from approximately 20.5 feet to 21.5 feet bgs. The boring for the recovery well (RW-1) construction was advanced to a depth of approximately eight feet bgs. Soil samples were submitted and analyzed for TPH-G, BTEX, and MTBE. Laboratory results indicated concentrations of TPH-G and benzene were above MTCA Method A cleanup levels in the soil samples collected from wells MW-3 and RW-1. All soil samples collected did not contain any MTBE concentrations above MTCA Method A cleanup levels or laboratory reporting limits.

Delta directed drilling and well installation activities on October 27 and November 21, 2005. An additional five soil borings were advanced as groundwater monitoring wells MW-4 through MW-8. Monitoring well MW-4 was advanced on October 27, 2005 and installed to 20 feet bgs. On November 21, 2005 monitoring wells MW-5 through MW-8 were installed. Wells MW-5 and MW-6 were installed at 20 feet bgs and wells MW-7 and MW-8 were installed to 18 feet bgs. Soil samples collected were analyzed for TPH-G, TPH-D, TPH-O, BTEX, and MTBE. Analytical laboratory results indicated that only the soil sample collected from MW-6 at 5 feet had a concentration of TPH-G above MTCA Method A cleanup levels at 320 mg/kg. All other soil samples collected were below MTCA Method A cleanup levels or below laboratory reporting limits.

Based on the investigations conducted between 1991 and 2013, the impacts to soil were likely related to the historical release from the old USTs in the western portion of the property, and to the 2003 release at the new USTs in the southeast corner of the Site. The soil analytical results obtained during these investigations indicate

that soil impacts were detected in the shallow soils adjacent to the USTs and extend to the southern part of the Site. Concentrations of TPH-G, TPH-D, TPH-O and benzene are shown on the cross sections (Figure 4 and Figure 5).

6.3 Surface Water

Surface water from the property drains to the City of Longview storm water system. Antea Group did not review any documents or evidence of surface water impacts at the Site or at the drainage ditch south of the Site. The closest major surface water body, the Columbia River, is located approximately 4,500 feet southwest of the Site. The only remaining impacted well, MW-3, has now been below MTCA Method A cleanup levels for three consecutive quarters. All of the perimeter wells on Site are non-detect for TPH-G and BTEX compounds and have been so for many years. Therefore, impact to the Columbia River and the drainage ditch south of the Site is not likely and no action is required.

6.4 Groundwater

Five USTs were decommissioned by removal in September 1991. Samples collected from the UST excavation on the west side of the Site had detectable concentrations of gasoline-range petroleum hydrocarbons in soil. Removal of petroleum hydrocarbon-affected soil was limited due to the location of the street and the station building.

On June 25, 2003, Delta advanced five hand auger borings (P-1, P-2, P-6, P-7 and P-7A) at the site. Soil and groundwater samples were collected where possible. On July 09, 2003, Delta advanced five Geoprobe borings (P-3, P-4, P-7A (deepened), P-8 and P-9) at the Site. The borings were advanced to depths ranging from approximately 3 feet to 15 feet bgs. Groundwater samples were collected from seven of the soil borings directly from the boring using a temporary well-point, a peristaltic pump, and tubing. Laboratory results indicated that TPH-G and/or BTEX constituents were detected above MTCA Method A cleanup levels in borings P-2, P-3, P-4 and P-6.

On November 5 and 6, 2003, Delta advanced four soil borings at the Site for the construction of three monitoring wells and one recovery well. The three borings for the monitoring wells (MW-1, MW-2, and MW-3) were advanced to depths ranging from approximately 20.5 feet to 21.5 feet bgs. The boring for the recovery well construction was completed to a depth of approximately eight feet bgs. Groundwater samples were collected on November 17, 2003 from the newly installed wells. Laboratory results indicated that TPH-G and benzene were detected above MTCA Method A cleanup levels in both soil and groundwater samples collected from soil borings and wells MW-3 and RW-1

Delta directed drilling and well installation activities on October 27 and November 21, 2005. An additional five soil borings were advanced as groundwater monitoring wells MW-4 through MW-8. Monitoring well MW-4 was advanced on October 27, 2005 and installed to a depth of 20 feet bgs. On November 21, 2005 monitoring wells MW-5 through MW-8 were installed. Wells MW-5 and MW-6 were installed to a depth of 20 feet bgs and wells MW-7 and MW-8 were installed to a depth of 18 feet bgs. A groundwater sampling event took place in November

2005. Groundwater samples were collected from all existing wells on Site, MW-1 through MW-8 and RW-1. Laboratory results indicated that TPH-G and benzene was detected above MTCA Method A cleanup levels in monitoring wells MW-3 and MW-8.

Groundwater monitoring is currently being performed on a quarterly basis. Current groundwater conditions on and off Site are as follows: monitoring wells MW-1, MW-2, MW-4, and MW-5 have been non-detect or below MTCA Method A cleanup levels since installation. Monitoring well MW-3 has not exceeded the MTCA Method A cleanup level for TPH-G since December 2013. Well MW-3 did not exceed any constituent cleanup levels during the fourth quarter of 2014 or during the first and second quarter groundwater monitoring and sampling events in 2015. Monitoring wells MW-5, MW-6, and RW-1 had a benzene concentration that exceeded the MTCA Method A cleanup level during the first quarter 2008 sampling event. Wells MW-4, MW-5, MW-6 and RW-1 all had detected concentrations of TPH-G and/or select BTEX compounds during the first quarter 2008 sampling performed on March 20, 2008. Based on the similar results observed in these wells, and the fact that these wells were non-detect during all prior sampling events, and non-detect for all sampling events after this date, it is evident that these results represent a lab error or a field error, and not true groundwater conditions. Monitoring well MW-7 had a gasoline hit that exceeded the MTCA cleanup level during the first quarter of 2012 and benzene has not been detected since March of 2009. Benzene has never exceeded the MTCA cleanup levels in well MW-7. Well MW-8 has not exceeded cleanup levels for gasoline or benzene since September 2007, and was primarily below MTCA Method A cleanup levels before this event. Recovery well RW-1 has primarily been non-detect for all constituents since March 2008. RW-1 was installed in the UST excavation pea gravel with a vac truck. Well MW-4 was installed adjacent to this well and is the proper compliance point for the southeast corner of the Site. A summary of groundwater analytical data and groundwater elevations from November 2003 through May 2015 is provided in Tables 1 and 2, with the most recent groundwater analytical data presented as Figure 6.

6.5 Sediment

The Columbia River, the nearest major surface water body, is located approximately 4,500 feet southwest of the Site. No indication of sediment impact has been identified in association with the Site; therefore, discussion of contaminant occurrence and movement within this media is not necessary.

6.6 Air/Soil Vapor

Soil vapor sampling has not been conducted at the Site. Based on the fact that all of the soil samples on Site were collected at or below the groundwater interface, and current concentrations observed in groundwater are non-detect or below MTCA Method A cleanup levels, a soil vapor investigation is not warranted.

7.0 CONCEPTUAL MODEL

7.1 Contaminant Release, Fate, and Transport

The original tank decommissioning and removal completed by Petroleum Services Unlimited in 1991 indicated the presence of contamination in the soil samples collected near the old USTs on the western portion of the property. In March of 2003, approximately 700 gallons of unleaded gasoline was released at the fill port of the 12,000-gallon UST at the southeast corner of the Site. According to the site supervisor for the emergency response services, most of the fuel was recovered over a four day period.

The soil samples collected during the initial site assessment in June 2003 showed impacted soil in the southeast corner of the Site, adjacent to the new UST complex and in the western area of the Site, where the old USTs were located. Two additional investigations and well installation projects took place in November 2003 and in November 2005. Impacted soil was found in the western and southeastern portions of the Site near the old and current working USTs during the 2003 well installation activities. During the 2005 well installation activities, the only soil impact was found in the soil sample collected from well MW-6, located in the southwestern corner of the property. The soil sample was collected below the seasonal groundwater high, and groundwater has primarily been non-detect in well MW-6. On July 25, 2012, Antea Group installed an injection trench upgradient of well MW-3 in order to begin injecting sulfate and treat the residual hydrocarbons in groundwater in this area. The sulfate was not migrating to well MW-3 as planned and, following approval from Ecology, injection took place directly into well MW-3 in addition to the injection trench. Sulfate injections took place up until fourth quarter 2013.

Groundwater monitoring performed since November 2007 indicates that the release(s) from the USTs migrated vertically and spread laterally within the perched groundwater zone located within the southeastern and western portion of the Site. Perimeter wells MW-1, MW-2, MW-4, MW-5 and MW-6 have been non-detect or below MTCA Method A cleanup levels since installation, indicating that the lateral migration was very limited and did not extend past the property boundaries. Well MW-3 has not exceeded the cleanup level for gas since December 2013. Well MW-3 did not exceed any constituent cleanup levels during the fourth quarter of 2014, the first quarter of 2015, or the second quarter of 2015 sampling events. Well MW-7 has had gasoline hits but has only exceeded cleanup levels once in March of 2012. It has not exceeded cleanup levels since this time and benzene has not been detected since March of 2009. Benzene has never exceeded cleanup levels in well MW-7. Well MW-8 has not exceeded cleanup levels for gasoline or benzene since September 2007. Well RW-1 has primarily been non-detect for all constituents since November 2005.

7.2 Potential and Actual Receptors

A complete exposure pathway consists of: (1) an identified contaminant source, (2) a transport pathway to locations (exposure points) where potential receptors may come in contact with constituents of concern (COCs) and, (3) an exposure route (e.g., ingestion) through which potential receptors may become exposed to COCs.

The subsurface investigations performed to date indicate that petroleum hydrocarbons were present within the shallow soils adjacent to the former USTs in the western portion of the property, and the current USTs in the southeast corner of the property. The soil samples were collected below the groundwater interface and groundwater on Site is now non-detect or well below MTCA Method A cleanup levels. Therefore, it is unlikely that future construction at the property will encounter hydrocarbon-impacted soils.

Similarly, the property is paved which does not allow a complete soil to outdoor air vapor exposure pathway; therefore due to the concentrations of soil impacts, and the current groundwater conditions, it is unlikely that there is a potential vapor intrusion pathway to the gasoline station building.

The search completed within Ecology's Well Log database indicates that there are no water supply wells identified within a one-mile radius from the Site. Since there are no water supply wells identified, there is likely to be no exposure pathway.

Surface water from the property is captured within a storm drain located south of the Site. The surface water runoff enters the City of Longview storm water system. The storm drain is connected to a storm water outfall located south across Washington Way. The outfall discharges to a drainage ditch which serves the surrounding community, and accepts drainage throughout the area. The closest major surface water body, the Columbia River, is located approximately 4,500 feet southwest of the Site. Since the surface water drains to the City of Longview storm water system, impact to the Columbia River from COCs associated with the Site is unlikely. In addition, the perimeter wells, and now all Site wells, are below MTCA Method A cleanup levels. Therefore, the surface water pathway is not complete and surface water is not considered to be a potential receptor.

The soil impacts exceeding the MTCA Method A cleanup level are covered by pavement which prevents plant and wildlife exposure. Land use at the property and surrounding area make substantial wildlife exposure unlikely. It is anticipated that the property will continue to operate as a retail fueling facility and that the surrounding area will remain zoned as Neighborhood Commercial. As stated above, the TEE form (see Section 5.4) indicated that the property is covered by physical barriers that prevent exposure to plants and wildlife and that no further analysis was required. In addition, the soil samples that were collected were predominantly collected below the high groundwater level at the Site. Current groundwater conditions empirically demonstrate that the previous soil impacts are not leaching into groundwater, and we no longer have a complete direct contact soil pathway on Site.

7.3 Data Gaps

Soil impacts were documented in borings P-6 and MW-6 but were collected below the seasonal high groundwater interface. Groundwater results on the Site are now non-detect or below MTCA Method A cleanup levels and empirically demonstrate that the previous soil impacts are not leaching into the groundwater and therefore not affecting human health or the environment. Boring P-6 was located on the upgradient side of the Site in relation to groundwater flow, and the previous concentrations detected in soil were relatively low. Based on this data and the fact that there are no potential off-Site source areas to the west or northwest, Antea Group concludes that additional soil delineation on the west side of the Site is not warranted. Well MW-6 has primarily been non-detect for TPH-G and BTEX compounds in groundwater since installation in 2005 and has never exceeded MTCA Method A

cleanup levels. In addition, well MW-2 was installed in a downgradient direction and soil and groundwater results in this boring/well were non-detect for all constituents. Based on this data, additional soil delineation to the south is not warranted. Subsurface soil vapor sampling has not been conducted at the Site. Based on the previous soil concentrations detected, depths of collection, the depth to groundwater on Site, and the current groundwater concentrations, there is no vapor intrusion risk to the station building.

8.0 CLEANUP STANDARDS

Washington State's hazardous waste cleanup law, MTCA, Chapter 70.105D RCW, mandates that site cleanups protect the state's citizens and environment. Cleanup Regulation WAC 173-340-704 asserts that Method A may be used to establish cleanup levels at sites undergoing routine cleanup action, and that have few hazardous substances. At this time, Method A is chosen as the cleanup standard for the site. For purposes of comparison, soil and groundwater analytical results are compared to the screening levels outlined in WAC 173-340-900, Tables 740-1 and 720-1, respectively.

9.0 AREAS REQUIRING CLEANUP

9.1 Constituents of Concern

The constituents of concern associated with the Site release are TPH-G, BTEX compounds and MTBE.

9.2 Soil – Vertical and Lateral

The soil analytical results obtained during the investigations conducted to date indicate that soil impacts were located in the shallow soils adjacent to the former UST location in the west, and new UST location in the southeast. The soil data obtained between 1991 and 2006, and the current groundwater conditions indicate that the lateral and vertical extent of the suspected source area has been defined.

9.3 Groundwater – Vertical and Lateral

Groundwater monitoring performed since 2003 indicates that the release(s) from the USTs migrated vertically and spread laterally within the perched groundwater zone located within the southern and western portion of the property. During the most recent groundwater monitoring event performed in May 2015, no concentrations of COCs exceeded the MTCA Method A cleanup levels in wells MW-3, or MW-6 through MW-8. All of the other wells on Site have been non-detect for years. Antea Group is currently continuing quarterly groundwater sampling until four quarters of clean groundwater below MTCA Method A cleanup levels is achieved. The next sampling event is planned for August 2015. This will be the fourth consecutive quarter of water samples being below MTCA Method A cleanup levels if none of the constituents exceed the MTCA Method A cleanup levels in this round of sampling.

9.4 Surface Water

Surface water from the property drains to the City of Longview storm water system. The closest major surface water body, The Columbia River, is located approximately 4,500 feet southwest of the Site. The storm drain catch-basin that serves the Site is located on Washington Way just south of the property. Storm water from the Site and the surrounding community is discharged into a drainage ditch located across Washington Way to the south. Antea Group has not reviewed any documentation that surface water impact has been identified in association with the Site. Based on the fact that groundwater is below MTCA Method A cleanup levels and the perimeter wells on Site have been non-detect for years, impact to the Columbia River and the drainage ditch across the street is not likely and no action is required.

9.5 Sediment

The Columbia River, the nearest major surface water body, is located approximately 4,500 feet southwest of the Site, and the drainage ditch across the street is approximately 140 feet to the south. No indication of surface water impact has been identified in association with the Site; therefore, impact to sediment is not likely and no action is required.

9.6 Soil Vapor/Air

Soil vapor sampling has not been conducted at the Site. Based on the previous soil concentrations detected, depths of collection, the depth to groundwater on Site, and the current groundwater concentrations, a soil vapor investigation is not warranted.

10.0 CONCLUSIONS

The subsurface assessments conducted between 1991 and 2005 confirmed that TPH-G and BTEX constituents were detected within soil at concentrations exceeding the respective MTCA Method A cleanup levels. The majority of the soil impacts were identified in the shallow soils adjacent to the former and current USTs located to the west and southeastern corner of the Site. The subsurface investigations indicate that the soil impacts are likely from leaking of the former USTs and overfilling of the current operational USTs. The soil data obtained between 1991 and 2005, and current groundwater data to date indicate that the lateral and vertical extent of the suspected source area does not warrant further investigation.

Groundwater monitoring performed since 2003 indicates that TPH-G had been detected at concentrations exceeding the respective MTCA Method A cleanup levels in one or more monitoring wells associated with the property. This is indicative of a release from the former USTs on the western property boundary, and from the current USTs at the southeast corner of the property. Groundwater monitoring conducted since 2003 indicates that the suspected release(s) from the USTs migrated to the perched groundwater zone and spread laterally. Currently, groundwater monitoring wells MW-1, MW-2, MW-4, MW-5 and MW-6 have been non-detect or below MTCA Method A cleanup levels since installation. Monitoring well MW-3 has not exceeded the MTCA Method A

cleanup level for TPH-G since December 2013 or the MTCA Method A cleanup level for benzene since September 2014. Well MW-3 did not exceed any constituent cleanup levels during the fourth quarter of 2014, the first quarter of 2015, or the second quarter of 2015 groundwater monitoring and sampling events.

Antea Group is currently continuing quarterly groundwater sampling until four quarters of clean groundwater below MTCA Method A cleanup levels is achieved. Antea Group proposes that the Site be closed and removed from the Leaking Underground Storage Tank (LUST) list if groundwater remains below MTCA Method A cleanup levels during the next quarterly sampling event planned for August 2015. If groundwater concentrations exceed any of the MTCA Method A cleanup levels for the Site COCs, groundwater sampling will continue until four consecutive quarters of clean groundwater is achieved. At that time, closure will again be requested. In addition, Antea Group will continue to evaluate remedial alternatives and determine if the Site will simply remain in the groundwater sampling program, or if additional remediation will be initiated to expedite cleanup of the Site. Antea Group requests an Opinion from Ecology on the completeness of this RI Report and on the current status of the Site.

11.0 REFERENCES

Underground Storage Tank Decommissioning – November 1991, Petroleum Services Unlimited

Initial Site Assessment Report – August 2003, Delta Environmental Consultants, Inc.

Well Installation Report – April 2004, Delta Environmental Consultants, Inc.

Additional Investigations and Well Installation Report – January 2006, Delta Environmental Consultants, Inc.

12.0 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.

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Tables

Table 1	Groundwater Analytical Results
Table 2	Groundwater Elevation Measurements

**TABLE 1
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 1
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 1
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	11/17/03	ND	-	-	ND(<1)	ND(<1)	ND(<1)	ND(<3)	-	-	-	-	-	-
MW-2	03/15/04	ND	-	-	ND(<1)	ND(<1)	ND(<1)	ND(<3)	ND(<3)	-	-	-	-	-
MW-2	06/17/04	ND(<50)	-	-	ND(<1)	ND(<1)	ND(<1)	ND(<3)	ND(<3)	-	-	-	-	-
MW-2	09/15/04	ND	-	-	ND(<1)	ND(<1)	ND(<1)	ND(<3)	ND(<3)	-	-	-	-	-
MW-2	12/16/04	ND	-	-	ND(<1)	ND(<1)	ND(<1)	ND(<3)	ND(<3)	-	-	-	-	-
MW-2	03/18/05	ND	-	-	ND(<1)	ND(<1)	ND(<1)	ND(<3)	ND(<3)	-	-	-	-	-
MW-2	06/14/05	ND	-	-	ND(<1)	ND(<1)	ND(<1)	ND(<3)	ND(<3)	-	-	-	-	-
MW-2	09/26/05	ND	-	-	ND(<1)	ND(<1)	ND(<1)	ND(<3)	ND(<3)	-	-	-	-	-
MW-2	11/28/05	ND(<50)	ND(<130)	ND(<250)	ND(<1)	ND(<1)	ND(<1)	ND(<3)	ND(<3)	-	-	-	-	-
MW-2	03/22/06	ND(<50)	ND(<130)	ND(<250)	ND(<1)	ND(<1)	ND(<1)	ND(<3)	ND(<2)	-	-	-	-	-
MW-2	06/27/06	ND(<50)	ND(<130)	ND(<250)	ND(<1)	ND(<1)	ND(<1)	ND(<3)	ND(<3)	-	-	-	-	-
MW-2	09/22/06	ND(<50)	ND(<130)	ND(<250)	ND(<1)	ND(<1)	ND(<1)	ND(<3)	ND(<3)	-	-	-	-	-
MW-2	12/05/06	ND(<50)	ND(<130)	ND(<250)	ND(<1)	ND(<1)	ND(<1)	ND(<3)	ND(<3)	-	-	-	-	-
MW-2	03/13/07	NA	-	-	NA	NA	NA	NA	NA	-	-	-	-	-
MW-2	06/04/07	ND(<50)	-	-	ND(<1)	ND(<1)	ND(<1)	ND(<3)	ND(<3)	-	-	-	-	-
MW-2	09/10/07	ND(<50)	-	-	ND(<1)	ND(<1)	ND(<1)	ND(<3)	ND(<3)	-	-	-	-	-
MW-2	01/07/08	ND(<50)	-	-	ND(<1)	ND(<1)	ND(<1)	ND(<3)	ND(<3)	-	-	-	-	-
MW-2	03/20/08	ND(<50)	-	-	ND(<1)	ND(<1)	ND(<1)	ND(<3)	ND(<3)	-	-	-	-	-
MW-2	06/16/08	ND(<50)	-	-	ND(<1)	ND(<1)	ND(<1)	ND(<3)	ND(<3)	-	-	-	-	-
MW-2	09/08/08	ND(<50)	-	-	ND(<1)	ND(<1)	ND(<1)	ND(<3)	ND(<3)	-	-	-	-	-
MW-2	12/08/08	ND(<50)	-	-	ND(<1)	ND(<1)	ND(<1)	ND(<3)	ND(<3)	-	-	-	-	-
MW-2	03/05/09	ND(<50)	-	-	ND(<1)	ND(<1)	ND(<1)	ND(<3)	ND(<3)	-	-	-	-	-
MW-2	06/19/09	ND(<50)	-	-	ND(<1)	ND(<1)	ND(<1)	ND(<3)	ND(<3)	-	-	-	-	-
MW-2	09/28/09	ND(<50)	-	-	ND(<1.0)	ND(<1.0)	ND(<1.0)	ND(<3.0)	ND(<3.0)	-	-	-	-	-
MW-2	12/29/09	ND(<50)	-	-	ND(<1.0)	ND(<1.0)	ND(<1.0)	ND(<3.0)	ND(<1.0)	-	-	-	-	-
MW-2	03/26/10	ND(<50)	-	-	ND(<1.0)	ND(<1.0)	ND(<1.0)	ND(<3.0)	ND(<3.0)	-	-	-	-	-
MW-2	06/09/10	ND(<50)	-	-	ND(<1.0)	ND(<1.0)	ND(<1.0)	ND(<3.0)	ND(<3.0)	-	-	-	-	-
MW-2	09/22/10	ND(<50)	-	-	ND(<1.0)	ND(<1.0)	ND(<1.0)	ND(<3.0)	ND(<3.0)	-	-	-	-	-
MW-2	12/17/10	ND(<50)	-	-	ND(<1.0)	ND(<1.0)	ND(<1.0)	ND(<3.0)	ND(<3.0)	-	-	-	-	-
MW-2	03/25/11	ND(<50)	-	-	ND(<1.0)	ND(<1.0)	ND(<1.0)	ND(<3.0)	ND(<3.0)	-	-	-	-	-
MW-2	06/21/11	ND(<50)	-	-	ND(<1.0)	ND(<1.0)	ND(<1.0)	ND(<3.0)	ND(<3.0)	-	-	-	-	-
MW-2	09/13/11	ND(<50)	-	-	ND(<1.0)	ND(<1.0)	ND(<1.0)	ND(<3.0)	ND(<3.0)	-	-	-	-	-
MW-2	12/28/11	ND(<50)	-	-	ND(<1.0)	ND(<1.0)	ND(<1.0)	ND(<3.0)	ND(<3.0)	-	-	-	-	-
MW-2	03/19/12	ND(<50)	-	-	ND(<1.0)	ND(<1.0)	ND(<1.0)	ND(<3.0)	ND(<3.0)	-	-	-	-	-
MW-2	06/08/12	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	09/17/12	-	-	-	-	-	-	-	-	-	-	-	-	-

TABLE 1
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 1
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 1
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)	-	-	-	-	-

**TABLE 1
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 1
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	11/28/05	ND	ND(<130)	ND(<250)	ND(<1)	ND(<1)	ND(<1)	ND(<3)	ND(<3)	-	-	-	-	-
MW-5	03/22/06	ND(<50)	ND(<130)	ND(<250)	ND(<1)	ND(<1)	ND(<1)	ND(<3)	ND(<2)	-	-	-	-	-
MW-5	06/27/06	ND(<50)	ND(<130)	ND(<250)	ND(<1)	ND(<1)	ND(<1)	ND(<3)	ND(<3)	-	-	-	-	-
MW-5	09/22/06	ND(<50)	ND(<130)	ND(<250)	ND(<1)	ND(<1)	ND(<1)	ND(<3)	ND(<3)	-	-	-	-	-
MW-5	12/05/06	ND(<50)	ND(<130)	ND(<250)	ND(<1)	ND(<1)	ND(<1)	ND(<3)	ND(<3)	-	-	-	-	-
MW-5	03/13/07	ND(<50)	-	-	ND(<1)	ND(<1)	ND(<1)	ND(<3)	ND(<3)	-	-	-	-	-
MW-5	06/04/07	ND(<50)	-	-	ND(<1)	ND(<1)	ND(<1)	ND(<3)	ND(<3)	-	-	-	-	-
MW-5	09/10/07	ND(<50)	-	-	ND(<1)	ND(<1)	ND(<1)	ND(<3)	ND(<3)	-	-	-	-	-
MW-5	01/07/08	ND(<50)	-	-	ND(<1)	ND(<1)	ND(<1)	ND(<3)	ND(<3)	-	-	-	-	-
MW-5	03/20/08	ND(<50)	-	-	11	2	ND(<1)	ND(<3)	ND(<3)	-	-	-	-	-
MW-5	06/16/08	ND(<50)	-	-	ND(<1)	ND(<1)	ND(<1)	ND(<3)	ND(<3)	-	-	-	-	-
MW-5	09/08/08	ND(<50)	-	-	ND(<1)	ND(<1)	ND(<1)	ND(<3)	ND(<3)	-	-	-	-	-
MW-5	12/08/08	ND(<50)	-	-	ND(<1)	ND(<1)	ND(<1)	ND(<3)	ND(<3)	-	-	-	-	-
MW-5	03/05/09	ND(<50)	-	-	ND(<1)	ND(<1)	ND(<1)	ND(<3)	ND(<3)	-	-	-	-	-
MW-5	06/19/09	ND(<50)	-	-	ND(<1)	ND(<1)	ND(<1)	ND(<3)	ND(<3)	-	-	-	-	-
MW-5	09/28/09	ND(<50)	-	-	ND(<1.0)	ND(<1.0)	ND(<1.0)	ND(<3.0)	ND(<3.0)	-	-	-	-	-
MW-5	12/29/09	ND(<50)	-	-	ND(<1.0)	ND(<1.0)	ND(<1.0)	ND(<3.0)	ND(<1.0)	-	-	-	-	-
MW-5	03/26/10	ND(<50)	-	-	ND(<1.0)	ND(<1.0)	ND(<1.0)	ND(<3.0)	ND(<3.0)	-	-	-	-	-
MW-5	06/09/10	ND(<50)	-	-	ND(<1.0)	ND(<1.0)	ND(<1.0)	ND(<3.0)	ND(<3.0)	-	-	-	-	-
MW-5	09/22/10	ND(<50)	-	-	ND(<1.0)	ND(<1.0)	ND(<1.0)	ND(<3.0)	ND(<3.0)	-	-	-	-	-
MW-5	12/17/10	ND(<50)	-	-	ND(<1.0)	ND(<1.0)	ND(<1.0)	ND(<3.0)	ND(<3.0)	-	-	-	-	-
MW-5	03/25/11	ND(<50)	-	-	ND(<1.0)	ND(<1.0)	ND(<1.0)	ND(<3.0)	ND(<3.0)	-	-	-	-	-
MW-5	06/21/11	ND(<50)	-	-	ND(<1.0)	ND(<1.0)	ND(<1.0)	ND(<3.0)	ND(<3.0)	-	-	-	-	-
MW-5	09/13/11	ND(<50)	-	-	ND(<1.0)	ND(<1.0)	ND(<1.0)	ND(<3.0)	ND(<3.0)	-	-	-	-	-
MW-5	12/28/11	ND(<50)	-	-	ND(<1.0)	ND(<1.0)	ND(<1.0)	ND(<3.0)	ND(<3.0)	-	-	-	-	-
MW-5	03/19/12	ND(<50)	-	-	ND(<1.0)	ND(<1.0)	ND(<1.0)	ND(<3.0)	ND(<3.0)	-	-	-	-	-
MW-5	04/12/12	-	-	-	-	-	-	-	-	-	-	-	ND(<0.15)	3.1
MW-5	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)	ND(<0.15)	ND(<0.26)
MW-5	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)	-	ND(<0.26)
MW-5	10/01/12	-	-	-	-	-	-	-	-	-	-	-	-	ND(<0.26)
MW-5	10/25/12	-	-	-	-	-	-	-	-	-	-	-	-	ND(<0.26)
MW-5	11/29/12	-	-	-	-	-	-	-	-	-	-	-	-	1.8
MW-5	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)	-	0.49
MW-5	02/19/13	-	-	-	-	-	-	-	-	-	-	-	-	0.64
MW-5	03/27/13	ND(<50)	-	-	ND(<1.0)	ND(<1.0)	ND(<1.0)	ND(<3.0)	ND(<3.0)	-	-	ND(<1.0)	-	ND(<0.26)
MW-5	04/24/13	-	-	-	-	-	-	-	-	-	-	-	-	ND(<0.26)

TABLE 1
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 1
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	11/28/05 ²	480	ND(<130)	ND(<250)	1	ND(<1)	2	ND(<3)	ND(<3)	-	-	-	-	-
MW-6	03/22/06	ND(<50)	ND(<130)	ND(<250)	ND(<1)	ND(<1)	ND(<1)	ND(<3)	ND(<2)	-	-	-	-	-
MW-6	06/27/06	ND(<50)	ND(<130)	ND(<250)	ND(<1)	ND(<1)	ND(<1)	ND(<3)	ND(<3)	-	-	-	-	-
MW-6	09/22/06	ND(<50)	ND(<130)	ND(<250)	ND(<1)	ND(<1)	ND(<1)	ND(<3)	ND(<3)	-	-	-	-	-
MW-6	12/05/06	ND(<50)	ND(<130)	ND(<250)	ND(<1)	ND(<1)	ND(<1)	ND(<3)	ND(<3)	-	-	-	-	-
MW-6	03/13/07	ND(<50)	-	-	ND(<1)	ND(<1)	ND(<1)	ND(<3)	ND(<3)	-	-	-	-	-
MW-6	06/04/07	ND(<50)	-	-	ND(<1)	ND(<1)	ND(<1)	ND(<3)	ND(<3)	-	-	-	-	-
MW-6	09/10/07	ND(<50)	-	-	ND(<1)	ND(<1)	ND(<1)	ND(<3)	ND(<3)	-	-	-	-	-
MW-6	01/07/08	ND(<50)	-	-	ND(<1)	ND(<1)	ND(<1)	ND(<3)	ND(<3)	-	-	-	-	-
MW-6	03/20/08	240	-	-	7	2	5	ND(<3)	4	-	-	-	-	-
MW-6	06/16/08	ND(<50)	-	-	ND(<1)	ND(<1)	ND(<1)	ND(<3)	ND(<3)	-	-	-	-	-
MW-6	09/08/08	ND(<50)	-	-	ND(<1)	ND(<1)	ND(<1)	ND(<3)	ND(<3)	-	-	-	-	-
MW-6	12/08/08	ND(<50)	-	-	ND(<1)	ND(<1)	ND(<1)	ND(<3)	ND(<3)	-	-	-	-	-
MW-6	03/05/09	ND(<50)	-	-	ND(<1)	ND(<1)	ND(<1)	ND(<3)	ND(<3)	-	-	-	-	-
MW-6	06/19/09	ND(<50)	-	-	ND(<1)	ND(<1)	ND(<1)	ND(<3)	ND(<3)	-	-	-	-	-
MW-6	09/28/09	ND(<50)	-	-	ND(<1.0)	ND(<1.0)	ND(<1.0)	ND(<3.0)	ND(<3.0)	-	-	-	-	-
MW-6	12/29/09	ND(<50)	-	-	ND(<1.0)	ND(<1.0)	ND(<1.0)	ND(<3.0)	ND(<1.0)	-	-	-	-	-
MW-6	03/26/10	ND(<50)	-	-	ND(<1.0)	ND(<1.0)	ND(<1.0)	ND(<3.0)	ND(<3.0)	-	-	-	-	-
MW-6	06/09/10	ND(<50)	-	-	ND(<1.0)	ND(<1.0)	ND(<1.0)	ND(<3.0)	ND(<3.0)	-	-	-	-	-
MW-6	09/22/10	ND(<50)	-	-	ND(<1.0)	ND(<1.0)	ND(<1.0)	ND(<3.0)	ND(<3.0)	-	-	-	-	-
MW-6	12/17/10	ND(<50)	-	-	ND(<1.0)	ND(<1.0)	ND(<1.0)	ND(<3.0)	ND(<3.0)	-	-	-	-	-
MW-6	03/25/11	ND(<50)	-	-	ND(<1.0)	ND(<1.0)	ND(<1.0)	ND(<3.0)	ND(<3.0)	-	-	-	-	-
MW-6	06/21/11	ND(<50)	-	-	ND(<1.0)	ND(<1.0)	ND(<1.0)	ND(<3.0)	ND(<3.0)	-	-	-	-	-
MW-6	09/13/11	ND(<50)	-	-	ND(<1.0)	ND(<1.0)	ND(<1.0)	ND(<3.0)	ND(<3.0)	-	-	-	-	-
MW-6	12/28/11	ND(<50)	-	-	ND(<1.0)	ND(<1.0)	ND(<1.0)	ND(<3.0)	ND(<3.0)	-	-	-	-	-
MW-6	03/19/12	ND(<50)	-	-	ND(<1.0)	ND(<1.0)	ND(<1.0)	ND(<3.0)	ND(<3.0)	-	-	-	-	-
MW-6	04/12/12	-	-	-	-	-	-	-	-	-	-	-	ND(<0.15)	ND(<0.26)
MW-6	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)	ND(<0.15)	ND(<0.26)
MW-6	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)	-	ND(<0.26)
MW-6	10/01/12	-	-	-	-	-	-	-	-	-	-	-	-	ND(<0.26)
MW-6	10/25/12	-	-	-	-	-	-	-	-	-	-	-	-	ND(<0.26)
MW-6	11/29/12	-	-	-	-	-	-	-	-	-	-	-	-	ND(<0.26)
MW-6	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)	-	6.5
MW-6	02/19/13	-	-	-	-	-	-	-	-	-	-	-	-	ND(<0.26)
MW-6	03/27/13	ND(<50)	-	-	ND(<1.0)	ND(<1.0)	ND(<1.0)	ND(<3.0)	ND(<3.0)	-	-	ND(<1.0)	-	ND(<0.26)
MW-6	04/24/13	-	-	-	-	-	-	-	-	-	-	-	-	ND(<0.26)

TABLE 1
GROUNDWATER ANALYTICAL RESULTS

Miller's Market
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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)	-	-	-	-	-

TABLE 1
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 1
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)	-	-	-	-	-

TABLE 1
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 1
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)	-	-	-	-	-

**TABLE 1
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	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)	-	-	-	-	-
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	-	-

**TABLE 1
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	12/21/12	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)	-	-	-	-	-
MTC Method A Cleanup Levels:		800*	500	500	5	1000	700	1000	20	5	0.01	15	-	-

**TABLE 1
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)
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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.

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	--	--	--	--	--

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	--	--	--	--	--	--	--
MW-2	12/20/13	48.36	5.63	42.73	0.46	6.28	155	--	12.47

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-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	--	--	--	--	--
MW-3	03/19/12	49.20	3.92	45.28	--	--	--	--	--

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	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

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	--	--	--	--	--

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	--	--	--	--	--

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 ^z	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

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

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

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	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	--	--	--	--	--
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	--	--	--	--	--

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	06/06/12	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	--	--	--	--	--

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

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 A-A' with Soil Concentrations
Figure 5	Geologic Cross Section B-B' with Soil Concentrations
Figure 6	Groundwater Analytical Concentration Map – 05/13/15
Figure 7	Groundwater Flow Direction Rose Diagram

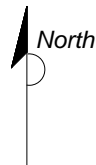
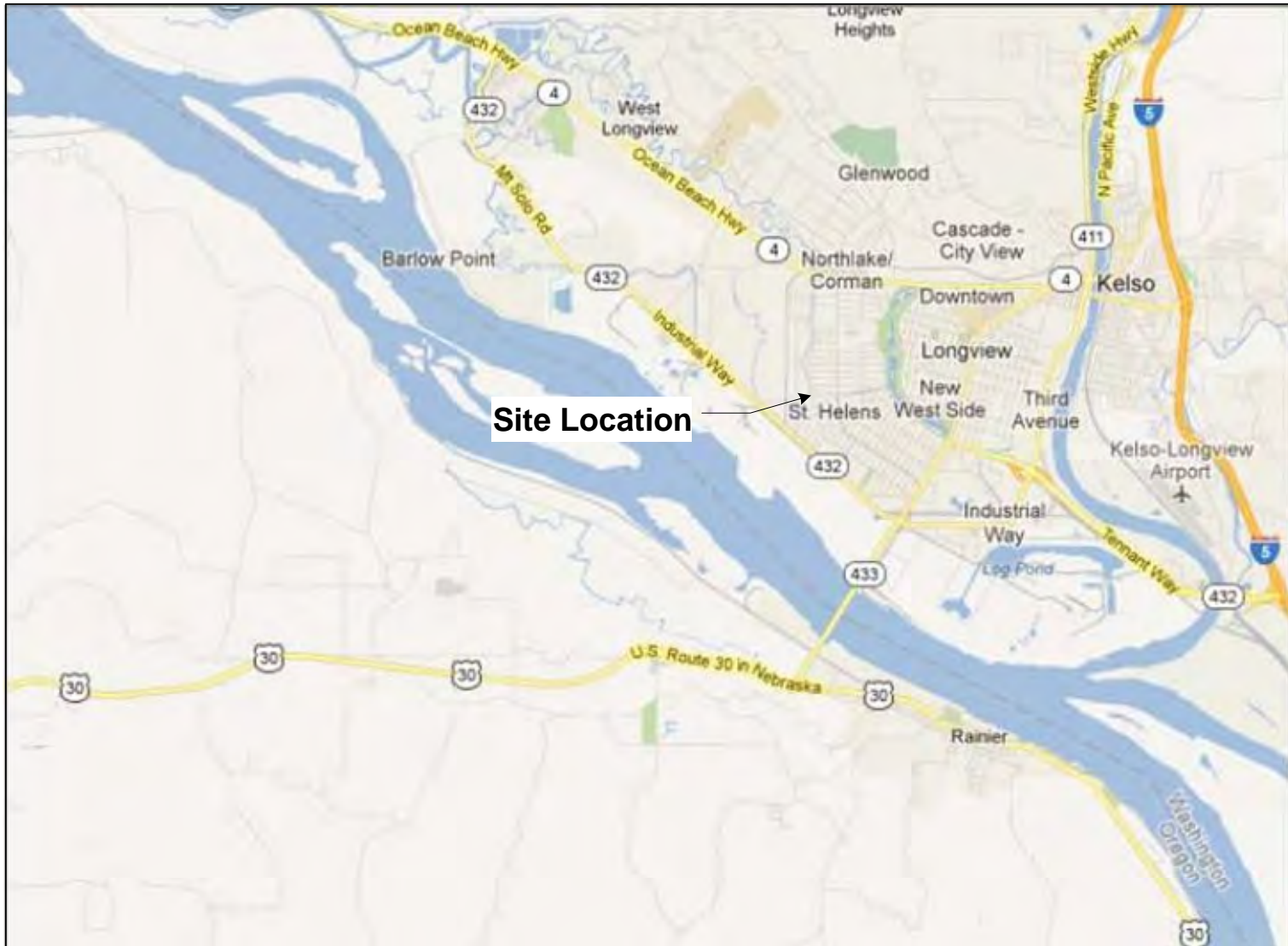
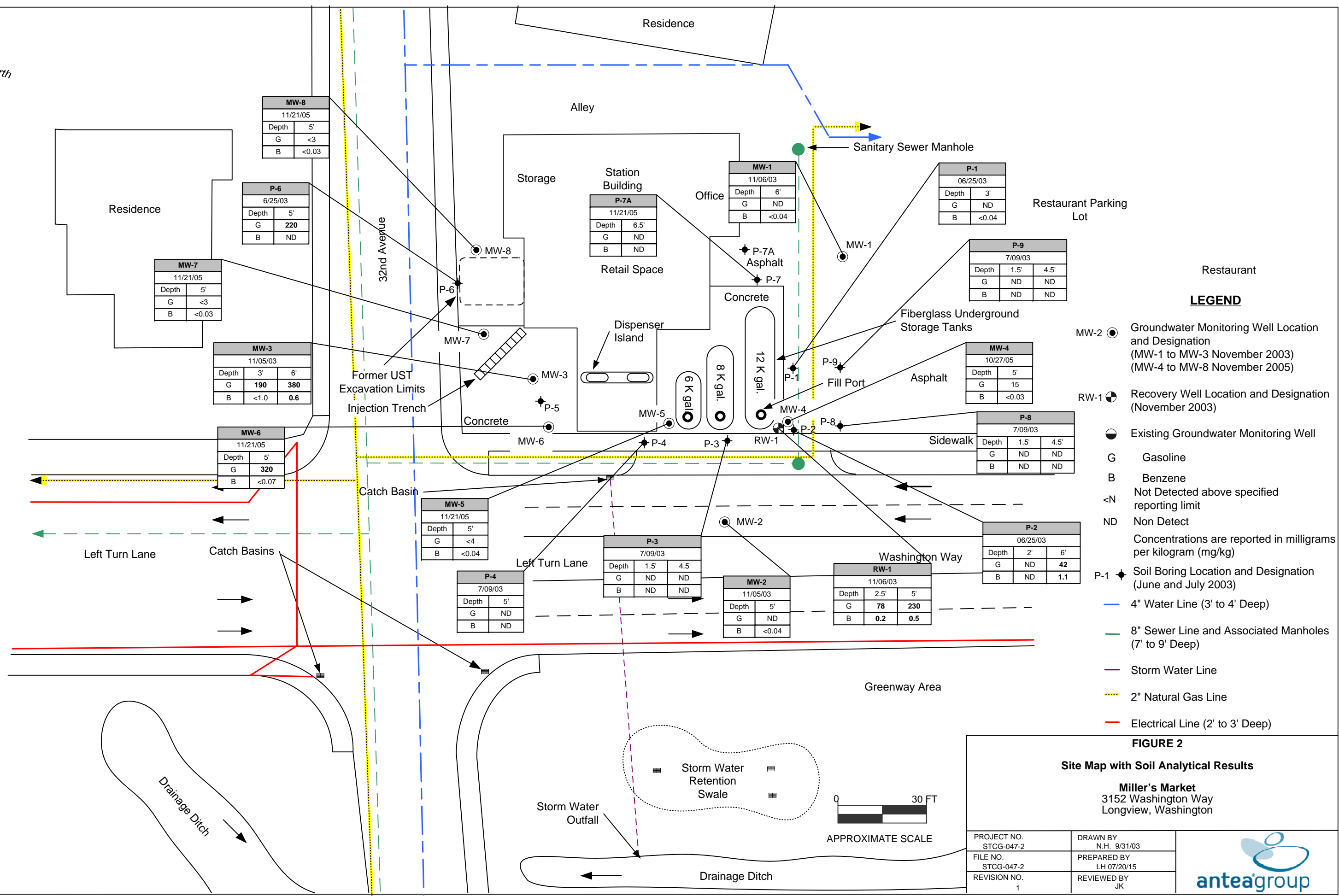
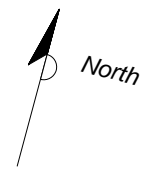


FIGURE 1
SITE LOCATION MAP

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





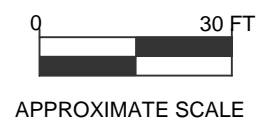
LEGEND

- MW-2 ● Groundwater Monitoring Well Location and Designation (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
- G Gasoline
- B Benzene
- <N Not Detected above specified reporting limit
- ND Non Detect
- Concentrations are reported in milligrams per kilogram (mg/kg)
- P-1 ◆ Soil Boring Location and Designation (June and July 2003)
- 4" Water Line (3' to 4' Deep)
- 8" Sewer Line and Associated Manholes (7' to 9' Deep)
- Storm Water Line
- 2" Natural Gas Line
- Electrical Line (2' to 3' Deep)

FIGURE 2

Site Map with Soil Analytical Results

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 LH 07/20/15
REVISION NO. 1	REVIEWED BY JK



MW-7
11/21/05

Depth	5'
G	<3
B	<0.03

MW-3
11/05/03

Depth	3'	6'
G	190	380
B	<1.0	0.6

MW-6
11/21/05

Depth	5'
G	320
B	<0.07

MW-5
11/21/05

Depth	5'
G	<4
B	<0.04

P-4
7/09/03

Depth	5'
G	ND
B	ND

P-3
7/09/03

Depth	1.5'	4.5'
G	ND	ND
B	ND	ND

MW-2
11/05/03

Depth	5'
G	ND
B	<0.04

RW-1
11/06/03

Depth	2.5'	5'
G	78	230
B	0.2	0.5

P-2
06/25/03

Depth	2'	6'
G	ND	42
B	ND	1.1

MW-4
10/27/05

Depth	5'
G	15
B	<0.03

P-8
7/09/03

Depth	1.5'	4.5'
G	ND	ND
B	ND	ND

P-9
7/09/03

Depth	1.5'	4.5'
G	ND	ND
B	ND	ND

P-1
06/25/03

Depth	3'
G	ND
B	<0.04

MW-1
11/06/03

Depth	6'
G	ND
B	<0.04

P-7A
11/21/05

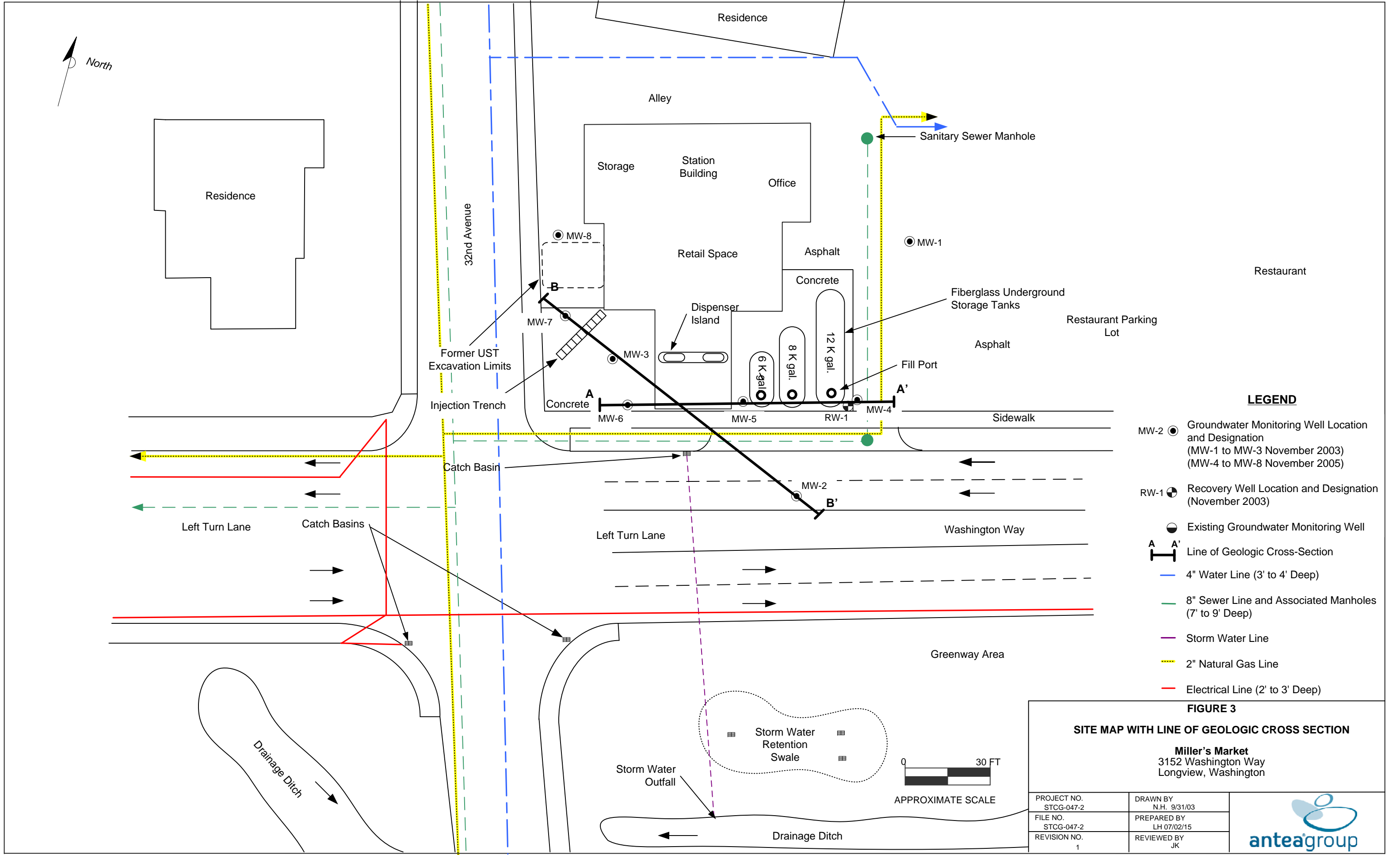
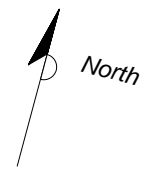
Depth	6.5'
G	ND
B	ND

P-6
6/25/03

Depth	5'
G	220
B	ND

MW-8
11/21/05

Depth	5'
G	<3
B	<0.03




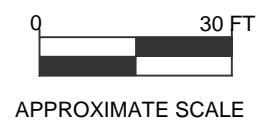
LEGEND

- 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
- A A' Line of Geologic Cross-Section
- 4" Water Line (3' to 4' Deep)
- 8" Sewer Line and Associated Manholes (7' to 9' Deep)
- Storm Water Line
- 2" Natural Gas Line
- Electrical Line (2' to 3' Deep)

FIGURE 3
SITE MAP WITH LINE OF GEOLOGIC CROSS SECTION
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 LH 07/02/15
REVISION NO. 1	REVIEWED BY JK

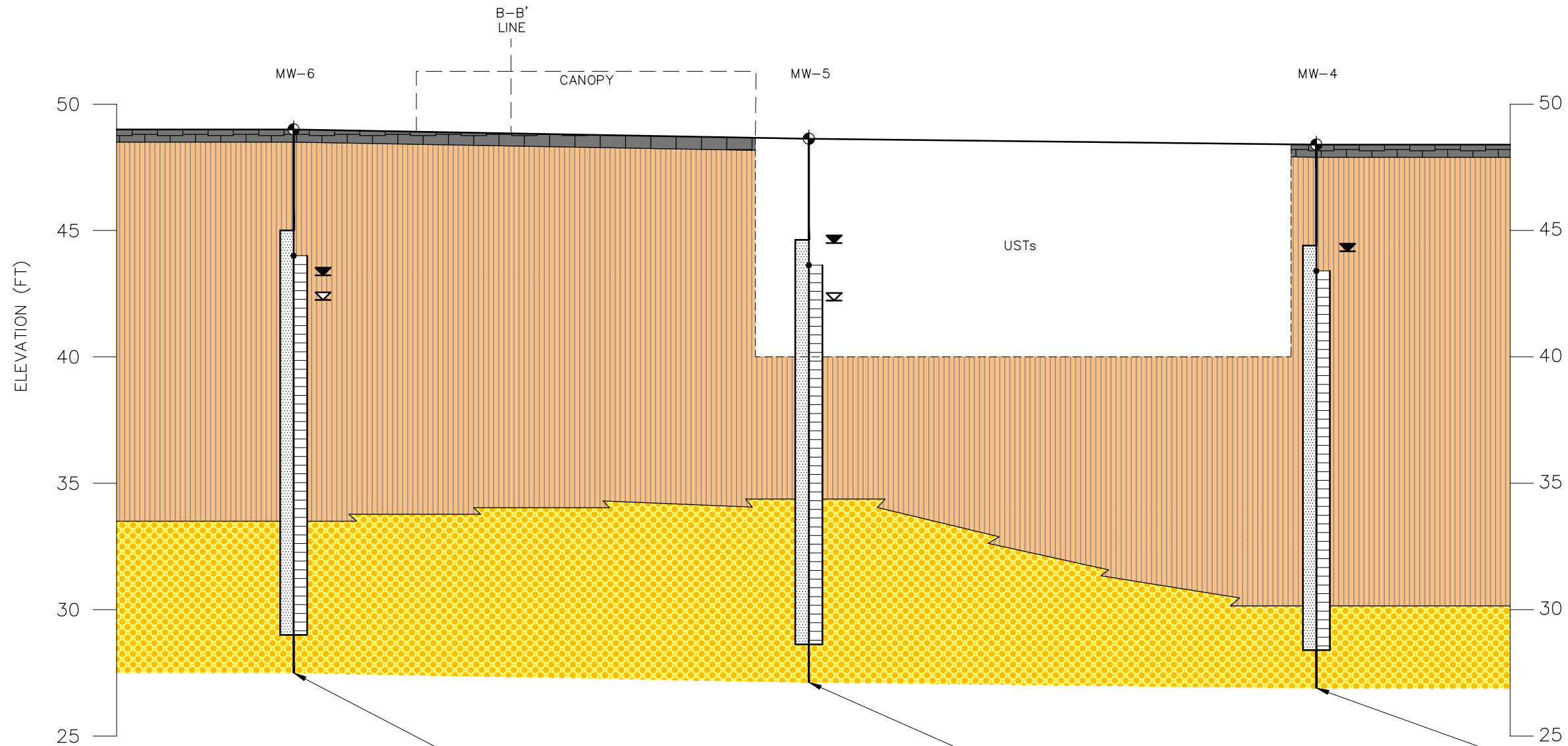




PROJECT NUMBER: STCG-0472
 APPROVED BY: [blank]
 CHECKED BY: [blank]
 DRAWN BY: ICD 3/27/2015
 FILENAME: STCG-0472_XSECTIONS_2.DWG

WEST
A

EAST
A'

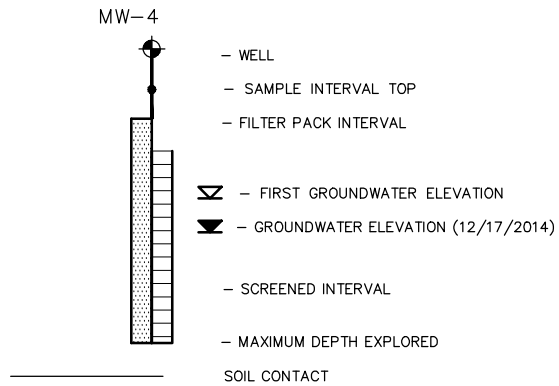


MW-6		11/21/2005						
DEPTH (ft)	TPH-G (mg/kg)	TPH-D (mg/kg)	TPH-O (mg/kg)	B (mg/kg)	T (mg/kg)	E (mg/kg)	X (mg/kg)	
5	320	<28	<56	<0.07	<0.1	1.2	0.6	

MW-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	

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	

LEGEND



- 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

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

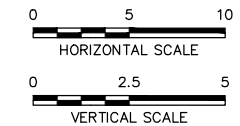
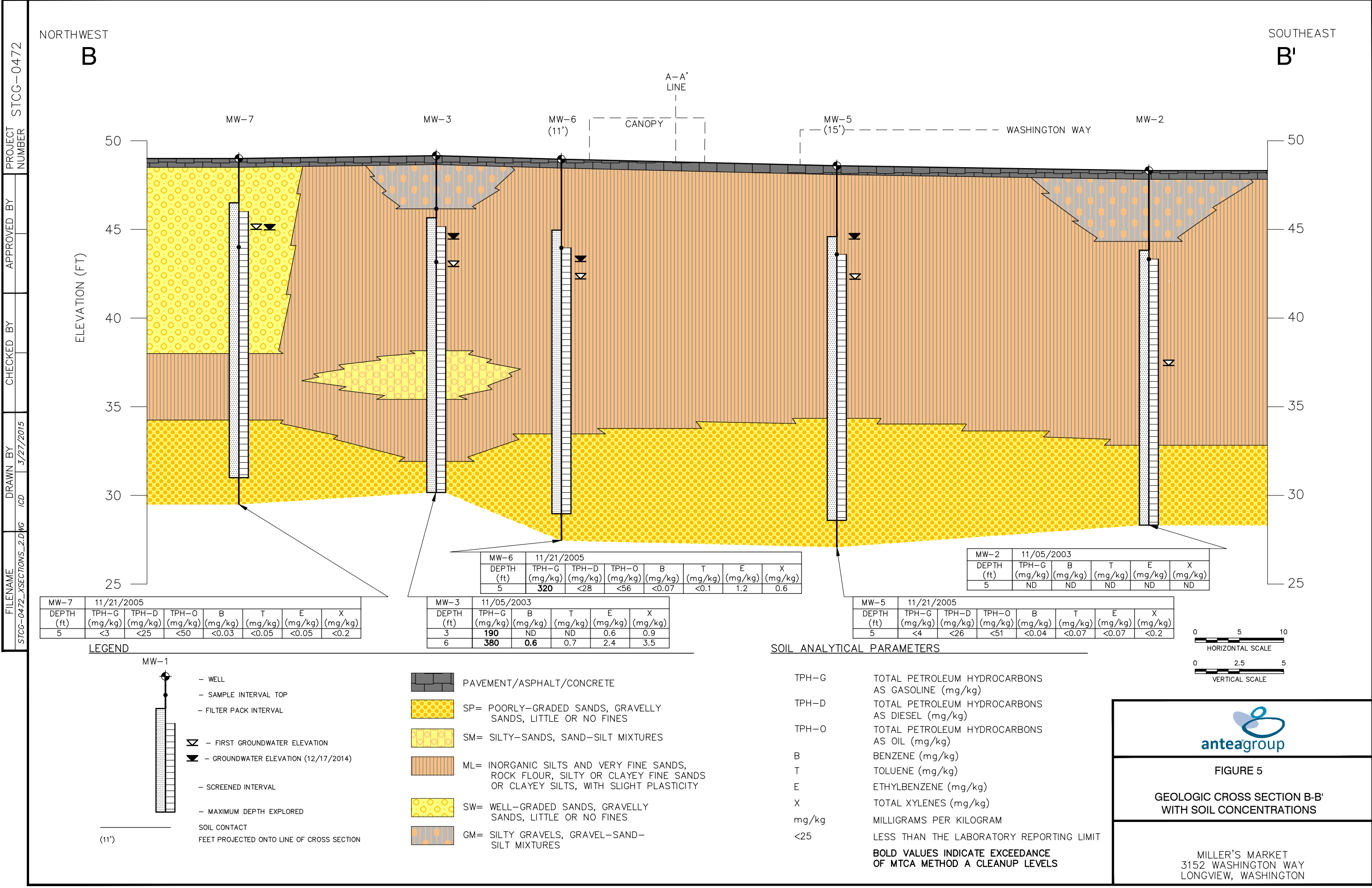


FIGURE 4

GEOLOGIC CROSS SECTION A-A' WITH SOIL CONCENTRATIONS

MILLER'S MARKET
 3152 WASHINGTON WAY
 LONGVIEW, WASHINGTON



PROJECT NUMBER: STCG-0472
 APPROVED BY: [Signature]
 CHECKED BY: [Signature]
 DRAWN BY: ICD 3/27/2015
 FILENAME: STCG-0472_XSECTIONS_2.Dwg

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	ND	ND	0.6	0.9
6	380	0.6	0.7	2.4	3.5

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-2 11/05/2003						
DEPTH (ft)	TPH-G (mg/kg)	B (mg/kg)	T (mg/kg)	E (mg/kg)	X (mg/kg)	
5	ND	ND	ND	ND	ND	ND

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
- FIRST GROUNDWATER ELEVATION
- GROUNDWATER ELEVATION (12/17/2014)
- SCREENED INTERVAL
- MAXIMUM DEPTH EXPLORED
- SOIL CONTACT
- FEET PROJECTED ONTO LINE OF CROSS SECTION

- PAVEMENT/ASPHALT/CONCRETE
- SP= POORLY-GRADED SANDS, GRAVELLY SANDS, LITTLE OR NO FINES
- SM= SILTY-SANDS, SAND-SILT MIXTURES
- 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
- GM= SILTY GRAVELS, GRAVEL-SAND-SILT MIXTURES

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**

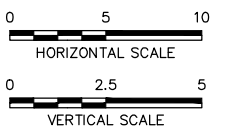
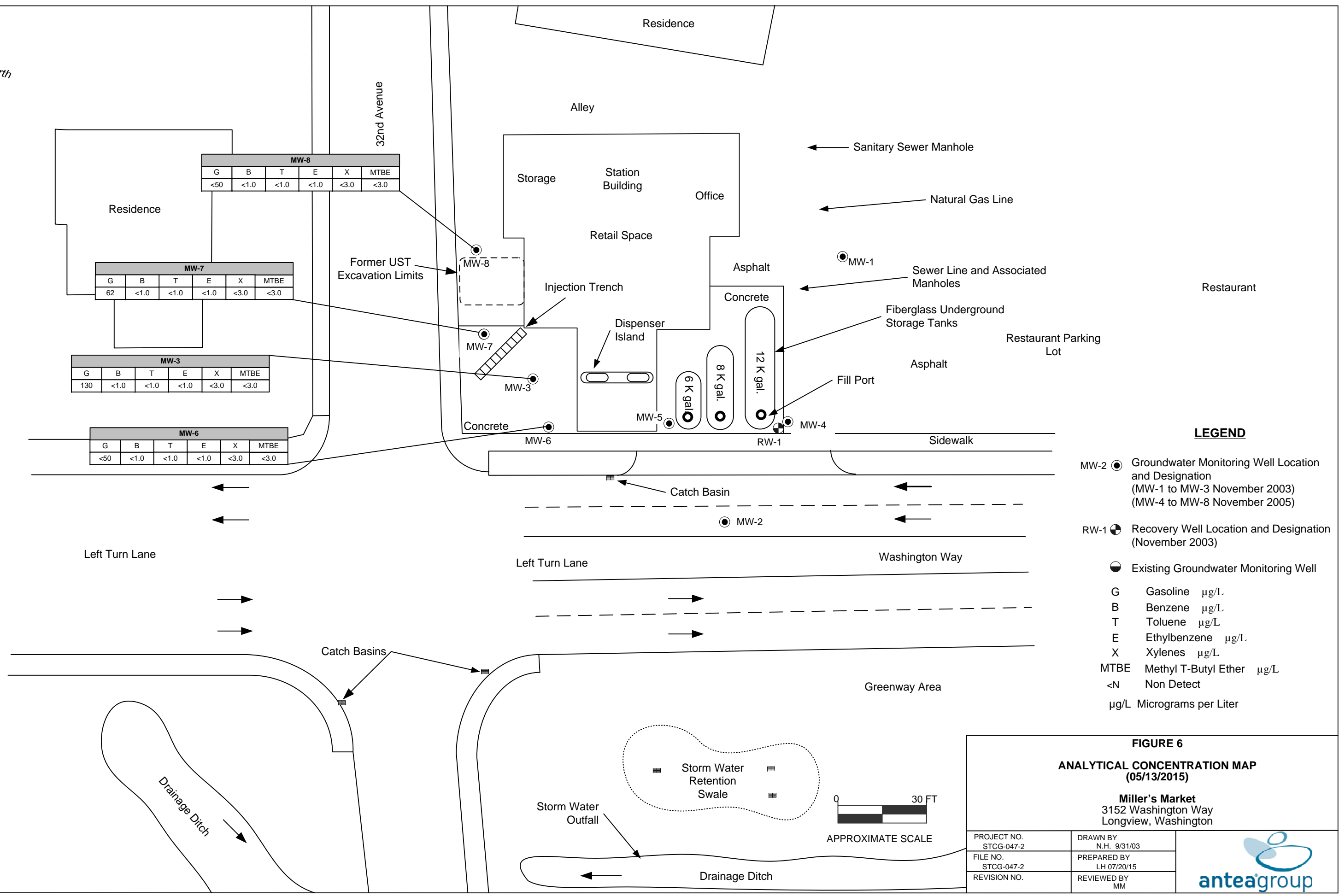
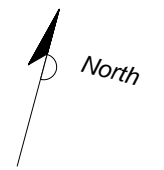


FIGURE 5
GEOLOGIC CROSS SECTION B-B'
WITH SOIL CONCENTRATIONS
 MILLER'S MARKET
 3152 WASHINGTON WAY
 LONGVIEW, WASHINGTON



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
- 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 $\mu\text{g/L}$
- MTBE Methyl T-Butyl Ether $\mu\text{g/L}$
- <N Non Detect
- $\mu\text{g/L}$ Micrograms per Liter

FIGURE 6
ANALYTICAL CONCENTRATION MAP
 (05/13/2015)

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 LH 07/20/15
REVISION NO.	REVIEWED BY MM

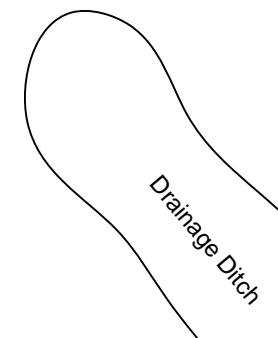
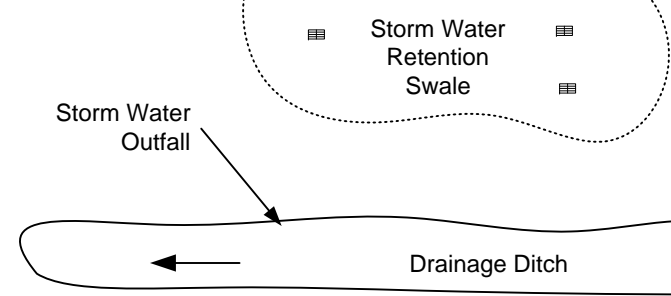
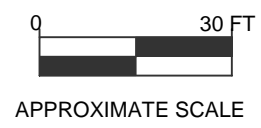
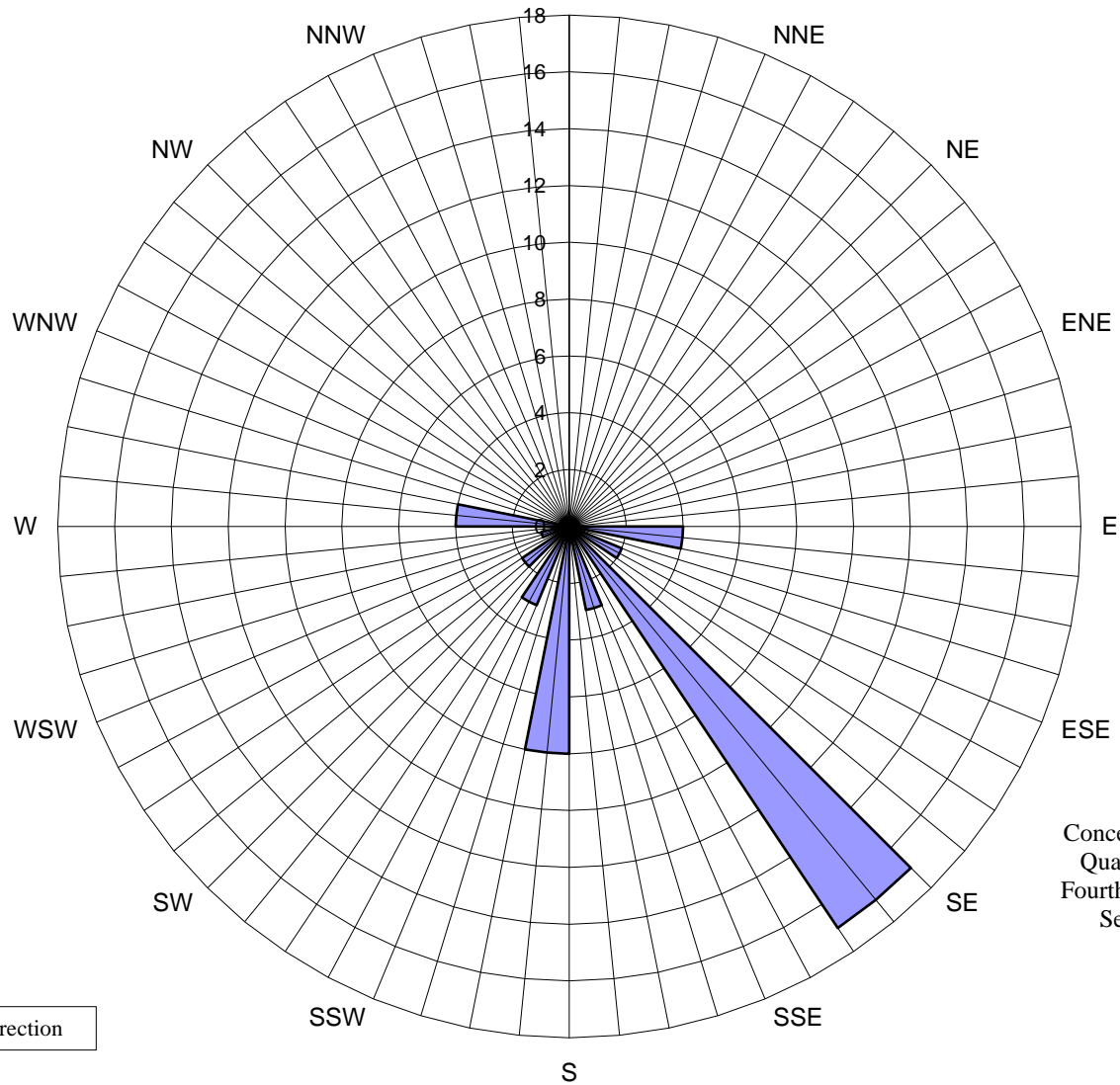


Figure 7
Groundwater Flow Direction Rose Diagram
Miller's Market
Colony Claim No. 21164
 3152 Washington Way
 Longview, Washington
 N



Legend
 Concentric Circles represent
 Quarterly Monitoring Events
 Fourth Quarter 2003 through
 Second Quarter 2015
 44 Events shown

■ Groundwater Flow Direction

*Remedial Investigation Report
Miller's Market 21164
3152 Washington Way, Longview, Washington 98632
Antea Group Project No. STCG-419-2*



Appendix A

UST Data Summary & Legal Description of Property

Facility Name: MILLER'S MARKET

Tag(s): A1129

SITE INFORMATION

MILLER'S MARKET 3152 WASHINGTON WAY LONGVIEW, WA 98632	RESP UNIT: SOUTHWEST UBI: 6004361380010003 PHONE: (360) 423-2000	COUNTY: COWLITZ LAT: 46.1325014126215 LONG: -122.96615239031	SITE IDs: UST: 8979 FS: 91861675
---	---	---	---

TANK INFORMATION

TANK NAME: 4			
STATUS: Operational		STATUS DT: 08/06/1996	PERMANENTLY CLOSED DT:
INSTALL DT: 10/01/1991		UPGRADE DT: 05/27/1998	PERMIT EXPIRATION DT: 10/31/2015
TANK		PIPING	
MATERIAL: Fiberglass Reinforced Plastic		MATERIAL: Fiberglass	
CONSTRUCTION: Double Wall Tank		CONSTRUCTION: Double Wall Pipe	
CORROSION PROT: Corrosion Resistant		CORROSION PROT: Corrosion Resistant	
MANIFOLDED TANK:		SFC* at TANK:	
RELEASE DETECT: Automatic Tank Gauging		SFC* at DISP/PUMP:	
TIGHTNESS TEST: Not Performed		1ST REL DETECT: Automatic Line Leak Detector (ALLD)	
SPILL PREVENTION: Spill Bucket/Spill Box		2ND REL DETECT:	
OVERFILL PREVENT: Ball Float Valve (vent line)		PUMPING SYSTEM: Pressurized System	
ACTUAL CAPACITY:			
CAPACITY RANGE: 10,000 to 19,999 Gallons			
<small>* SFC = Steel Flex Connector</small>			
COMPARTMENT #	SUBSTANCE STORED	SUBSTANCE USED	CAPACITY
1	B Unleaded Gasoline	A Motor Fuel for Vehicles	12000

TANK NAME: 5			
STATUS: Operational		STATUS DT: 08/06/1996	PERMANENTLY CLOSED DT:
INSTALL DT: 10/01/1991		UPGRADE DT: 05/27/1998	PERMIT EXPIRATION DT: 10/31/2015
TANK		PIPING	
MATERIAL: Fiberglass Reinforced Plastic		MATERIAL: Fiberglass	
CONSTRUCTION: Double Wall Tank		CONSTRUCTION: Double Wall Pipe	
CORROSION PROT: Corrosion Resistant		CORROSION PROT: Corrosion Resistant	
MANIFOLDED TANK:		SFC* at TANK:	
RELEASE DETECT: Automatic Tank Gauging		SFC* at DISP/PUMP:	
TIGHTNESS TEST: Not Performed		1ST REL DETECT: Automatic Line Leak Detector (ALLD)	
SPILL PREVENTION: Spill Bucket/Spill Box		2ND REL DETECT:	
OVERFILL PREVENT: Ball Float Valve (vent line)		PUMPING SYSTEM: Pressurized System	
ACTUAL CAPACITY:			
CAPACITY RANGE: 10,000 to 19,999 Gallons			
<small>* SFC = Steel Flex Connector</small>			
COMPARTMENT #	SUBSTANCE STORED	SUBSTANCE USED	CAPACITY
1	B Unleaded Gasoline	A Motor Fuel for Vehicles	10000

TANK NAME: 6			
STATUS: Operational		STATUS DT: 08/06/1996	PERMANENTLY CLOSED DT:
INSTALL DT: 10/01/1991		UPGRADE DT: 05/27/1998	PERMIT EXPIRATION DT: 10/31/2015
TANK		PIPING	
MATERIAL: Fiberglass Reinforced Plastic		MATERIAL: Fiberglass	
CONSTRUCTION: Double Wall Tank		CONSTRUCTION: Double Wall Pipe	
CORROSION PROT: Corrosion Resistant		CORROSION PROT: Corrosion Resistant	
MANIFOLDED TANK:		SFC* at TANK:	

RELEASE DETECT: Automatic Tank Gauging	SFC* at DISP/PUMP:		
TIGHTNESS TEST: Not Performed	1ST REL DETECT: Automatic Line Leak Detector (ALLD)		
SPILL PREVENTION: Spill Bucket/Spill Box	2ND REL DETECT:		
OVERFILL PREVENT: Ball Float Valve (vent line)	PUMPING SYSTEM: Pressurized System		
ACTUAL CAPACITY:			
CAPACITY RANGE: 5,000 to 9,999 Gallons			
<small>* SFC = Steel Flex Connector</small>			
COMPARTMENT #	SUBSTANCE STORED	SUBSTANCE USED	CAPACITY
1	B Unleaded Gasoline	A Motor Fuel for Vehicles	8000

TANK NAME: 1			
STATUS: Removed		STATUS DT: 08/06/1996	
INSTALL DT: 12/31/1964		PERMANENTLY CLOSED DT:	
		PERMIT EXPIRATION DT: 08/05/1992	
TANK		PIPING	
MATERIAL:		MATERIAL:	
CONSTRUCTION:		CONSTRUCTION:	
CORROSION PROT:		CORROSION PROT:	
MANIFOLDED TANK:		SFC* at TANK:	
RELEASE DETECT:		SFC* at DISP/PUMP:	
TIGHTNESS TEST:		1ST REL DETECT:	
SPILL PREVENTION:		2ND REL DETECT:	
OVERFILL PREVENT:		PUMPING SYSTEM:	
ACTUAL CAPACITY:			
CAPACITY RANGE:			
<small>* SFC = Steel Flex Connector</small>			
COMPARTMENT #	SUBSTANCE STORED	SUBSTANCE USED	CAPACITY
1	A Leaded Gasoline		

TANK NAME: 2			
STATUS: Removed		STATUS DT: 08/06/1996	
INSTALL DT: 12/31/1964		PERMANENTLY CLOSED DT:	
		PERMIT EXPIRATION DT: 08/05/1992	
TANK		PIPING	
MATERIAL:		MATERIAL:	
CONSTRUCTION:		CONSTRUCTION:	
CORROSION PROT:		CORROSION PROT:	
MANIFOLDED TANK:		SFC* at TANK:	
RELEASE DETECT:		SFC* at DISP/PUMP:	
TIGHTNESS TEST:		1ST REL DETECT:	
SPILL PREVENTION:		2ND REL DETECT:	
OVERFILL PREVENT:		PUMPING SYSTEM:	
ACTUAL CAPACITY:			
CAPACITY RANGE:			
<small>* SFC = Steel Flex Connector</small>			
COMPARTMENT #	SUBSTANCE STORED	SUBSTANCE USED	CAPACITY
1	B Unleaded Gasoline		

TANK NAME: 3			
STATUS: Removed		STATUS DT: 08/06/1996	
INSTALL DT: 12/31/1964		PERMANENTLY CLOSED DT:	
		PERMIT EXPIRATION DT: 08/05/1992	
TANK		PIPING	
MATERIAL:		MATERIAL:	

CONSTRUCTION:	CONSTRUCTION:		
CORROSION PROT:	CORROSION PROT:		
MANIFOLDED TANK:	SFC* at TANK:		
RELEASE DETECT:	SFC* at DISP/PUMP:		
TIGHTNESS TEST:	1ST REL DETECT:		
SPILL PREVENTION:	2ND REL DETECT:		
OVERFILL PREVENT:	PUMPING SYSTEM:		
ACTUAL CAPACITY:			
CAPACITY RANGE:			
<small>* SFC = Steel Flex Connector</small>			
COMPARTMENT #	SUBSTANCE STORED	SUBSTANCE USED	CAPACITY
1	B Unleaded Gasoline		

UST_SiteTankDataSmry2014



Cowlitz County Assessor's Parcel Search

6/5/2015 9:15 AM

Parcel: 06240 Site Address: 3152 WASHINGTON WAY , LONGVIEW 98632

Account: R028339

Owner: BAUMAN MICHAEL/MARSHIA ETAL
Mailing Address: 3152 WASHINGTON WAY
LONGVIEW, WA 98632

Jurisdiction: CITY OF LONGVIEW

Abbr Property Ref: SUB:OLYMPIC 1 BLK:51 LOT:8,9A DESC: EXC N 2 FT LOT 9 SECT,TWN,RNG:32-8N-2W PARCEL: 06240

Neighborhood: 208 - OLYMPIC ADDITIONS

Tax District: 400 Longview City Limits

Levy Code: 400 = LV-122-LV

Current Assessed Value	Assess Year	Tax Year	Type	Actual Value	Assess Value	Acres
	2014	2015	IMPROVEMENTS	406,600	406,600	0
	2014	2015	LAND	124,420	124,420	0

Conveyance History:	Reception	Book	Page	Grantor
	911227058	1112	1359	GLASSMAN VALENTINA P D
	810622062	924	1075	GLASSMAN VALENTINA P
	3074556		0	

Property Details: Short Plat/Large Lot #:

Model: COMM	BASE	3768
	CANOPY	962

Model: COMM_LAND	SQFT	12960
------------------	------	-------

Photographs:



*Remedial Investigation Report
Miller's Market 21164
3152 Washington Way, Longview, Washington 98632
Antea Group Project No. STCG-419-2*



Appendix B

Summary of Previous Investigations and Remedial Activities

Miller's Market Site

Summary of Previous Investigations and Remedial Activities

3152 Washington Way, Longview, Washington

Colony Claim No. 21164

Antea®Group Project No. STCG-047-2

The following is a summary of historical and current events at the Millers Market Colony Insurance site:

September 1991 – Tank Decommissioning and UST Removal

In September 1991, five underground storage tanks (USTs) were decommissioned by removal. Petroleum Services Unlimited was contracted to perform decommissioning of five USTs at the property. The tanks were removed in the process of a station and convenience store upgrade. The original site configuration included five USTs on the property. According to the figure presented in the 1991 UST removal report, the station building was located on the east side of the property. Two gasoline USTs (6,000 gallon each) were located on the west side of the property, one 8,000 gallon gasoline UST was located in the central portion of the property, a 657 heating oil UST was located north of the canopy, and a 1,000-gallon waste oil UST was located west of the building.

Soil samples were collected by removing soils with a backhoe and using decontaminated stainless steel spoons. Soil samples were collected from all UST excavation pits and submitted to Columba Analytical Services (CAS) in Kelso, Washington. Soil samples were analyzed for: total petroleum hydrocarbons as gasoline (TPH-G); benzene, toluene, ethylbenzene, and total xylenes (BTEX). Analytical results indicated all soil samples collected had concentrations of all analytes below Washington State Department of Ecology (Ecology) Model Toxics Control Act (MTCA) Method A cleanup levels except for the samples collected in one of the excavations. Soil samples collected from the western UST excavation, indicated impacts above cleanup levels. One soil sample exceeded MTCA Method A Cleanup level for BTEX and 3 samples had concentrations of TPH-G above the MTCA Method A Cleanup level. Removal of petroleum hydrocarbon-affected soil was limited due to the location of the street and the station building.

The consultant involved with the UST removal, installed PVC piping at 5 feet bgs in the former UST complex for potential use as a vapor extraction system. Antea Group did not review any information indicating that this system was ever installed and operated. The pipe would have been under groundwater most of the year and would not likely have worked efficiently as a vapor extraction system.

March 2003 – Release

On March 31, 2003, a release of approximately 700 gallons of unleaded gasoline occurred at the Site. The release was reportedly caused when a transfer pump was left on, resulting in an overfilling of one of three USTs at the site. Emergency response services were provided by All-Out Industrial Environmental. Information provided by their site supervisor indicates that most of the fuel was recovered over a four day period.

June 2003 – Subsurface Investigation

On June 25, 2003, Delta Environmental Consultants, Inc. (Delta) advanced five hand auger borings (P-1, P-2, P-6, P-7 and P-7A) at the Site. Soil and groundwater samples were collected where possible. On July 09, 2003, GeoTech Explorations (GeoTech) of Tualatin, Oregon, under Delta supervision, advanced five Geoprobe borings (P-3, P-4, P-7A (deepened), P-8 and P-9) at the site. The Geoprobe borings were advanced using hydraulic push-probe equipment with a five-foot by two-inch outside-diameter macrosampler. The borings were advanced to depths ranging from approximately 3 feet to 15 feet below ground surface (bgs). The findings of the initial site investigation were presented in a letter report dated August 14, 2003 prepared by Delta.

Soil samples were collected continuously in all soil borings. Twelve soil samples were collected and submitted for laboratory analysis. Groundwater samples were collected from seven of the soil borings directly from water entering in the boring using a temporary well-point and a peristaltic pump or check-ball and tubing. Both soil and groundwater samples were analyzed for TPH-G, BTEX, and MTBE.

Analytical laboratory results for soil samples collected indicated TPH-G and BTEX concentrations above MTCA Method A cleanup levels in two of the twelve soil samples collected (soil borings P-2 and P-6). Detected TPH-G concentrations were 220 and 42

milligrams per kilogram in the soil samples collect from soil borings P-6 at 5 feet bgs and in P-2 at 6 feet bgs, respectively. MTBE concentrations were not detected above MTCA Method A cleanup levels in any of the soil samples.

Groundwater analytical laboratory results indicated TPH-G and BTEX concentrations above MTCA Method A cleanup levels. A concentration of benzene was detected at the highest (3,500 microgram per liter) in the water sample collected from soil boring P-2. MTBE was detected above the laboratory reporting limit in the groundwater sample collected from soil boring P-7A.

From the initial site assessment activities in June 2003, the groundwater samples with concentrations of hydrocarbon constituents exceeding MTCA Method Cleanup levels (P-1, P-2, and P-4) are primarily located near the area of the March 18, 2003 release. The soil and groundwater concentrations detected above MTCA Method A Cleanup levels in soil boring P-6 appear to be related to the 1991 UST removal activities due to the distance from the March 18, 2003 release. The laboratory also noted the product appeared as highly weathered gasoline.

November 2003 – Well Installation

On November 5 and 6, 2003, GeoTech, under Delta supervision, advanced four soil borings at the site for the construction of three monitoring wells and one recovery well. The three borings for the monitoring wells (MW-1, MW-2, and MW-3) were advanced using a truck-mounted drill rig equipped with hollow-stem augers and split spoon sampling technique. These borings were advanced to depths ranging from approximately 20.5 feet to 21.5 feet bgs. The wells were constructed using a 15 foot length of 0.010-inch factory slotted PVC well screen. Due to the proximity of the USTs, the boring for the recovery well construction was advanced by using a vacuum truck to extract the soil. This boring was completed to a depth of approximately eight feet bgs. Soil samples for the recovery well were collect by a hand auger.

A total 6 soil samples were collected and submitted to be analyzed. Analytical results indicated TPH-G above MTCA Method A cleanup levels in 4 of the 6 soil samples (MW-3-

3, MW-3-6, RW-1-2.5, and RW-1-5). BTEX was detected above MTCA Method A cleanup levels in 4 of the 6 soil samples collected. MTBE was non-detect in all of the soil samples.

After the completion of well installation activities, a groundwater sampling event took place on November 17, 2003. All newly installed wells were sampled. Samples were collected and submitted for TPH-G, BTEX, and MTBE. Analytical results indicated TPH-G and one or more BTEX constituents above MTCA Method A cleanup levels in the groundwater samples collected from wells MW-3 and RW-1.

October to November 2005 – Well Installation

Delta directed drilling and well installation activities on October 27 and November 21, 2005. Five soil borings were advanced as groundwater monitoring wells MW-4 through MW-8 using a hollow stem auger drill rig and split spoon sampling technique. Monitoring well MW-4 was advanced on October 27, 2005 and installed at 20 feet bgs. On November 21, 2005 monitoring wells MW-5 through MW-8 were installed. Wells MW-5 and MW-6 were installed at 20 feet bgs and wells MW-7 and MW-8 were installed at 18 feet bgs. The wells were constructed using a 15 foot length of 0.010-inch factory slotted PVC well screen. A total of five soil samples were collected at 5 feet bgs from each soil boring for quantitative chemical analysis.

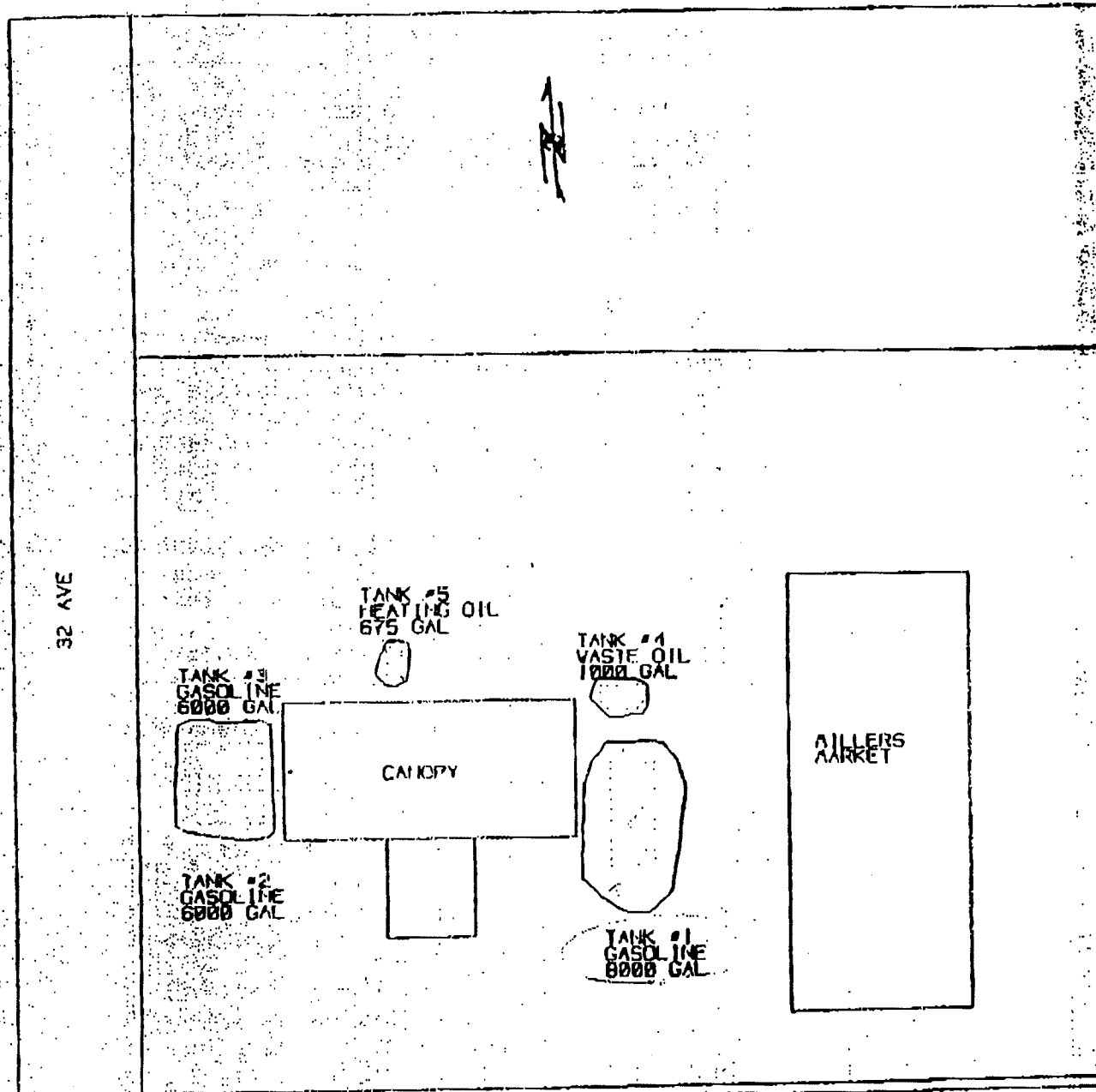
The soil samples were analyzed for the following; TPH-G, TPH-D, TPH-O, BTEX, and MTBE. Analytical laboratory results indicated concentrations of TPH-G above Ecology MTCA Method A cleanup levels in the vicinity of monitoring well MW-6.

July 2012 – Injection Trench Installation

On July 25, 2012 Antea Group, formerly Delta, installed an injection trench upgradient of well MW-3 in order to begin injecting sulfate and treat the residual hydrocarbons in the groundwater in this area. The sulfate was not migrating to monitoring well MW-3 as planned. Following approval from Ecology, injection took place directly into well MW-3 in addition to the injection trench. Sulfate injections took place until fourth quarter of 2013.

Appendix C

Historical Soil and Groundwater Analytical Data Tables and Figures



WASHINGTON WAY

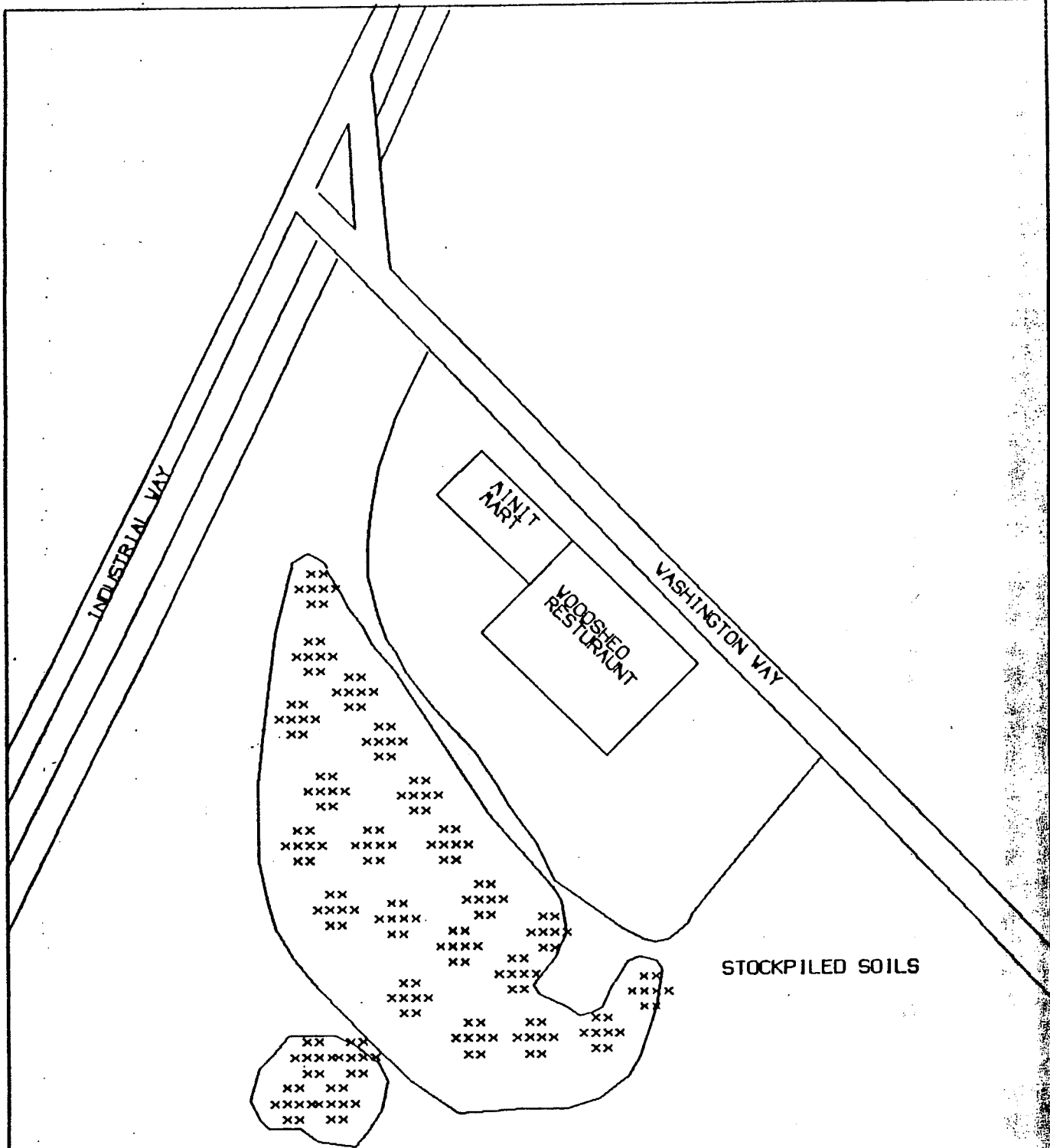
- SOIL SAMPLE LOCATIONS
- FORMER TANKS
- ~~~~~ EXCAVATION BOUNDRIES

MILLERS MARKET
 3132 WASHINGTON WAY
 LONGVIEW, WASHINGTON

Figure 2

Site Location

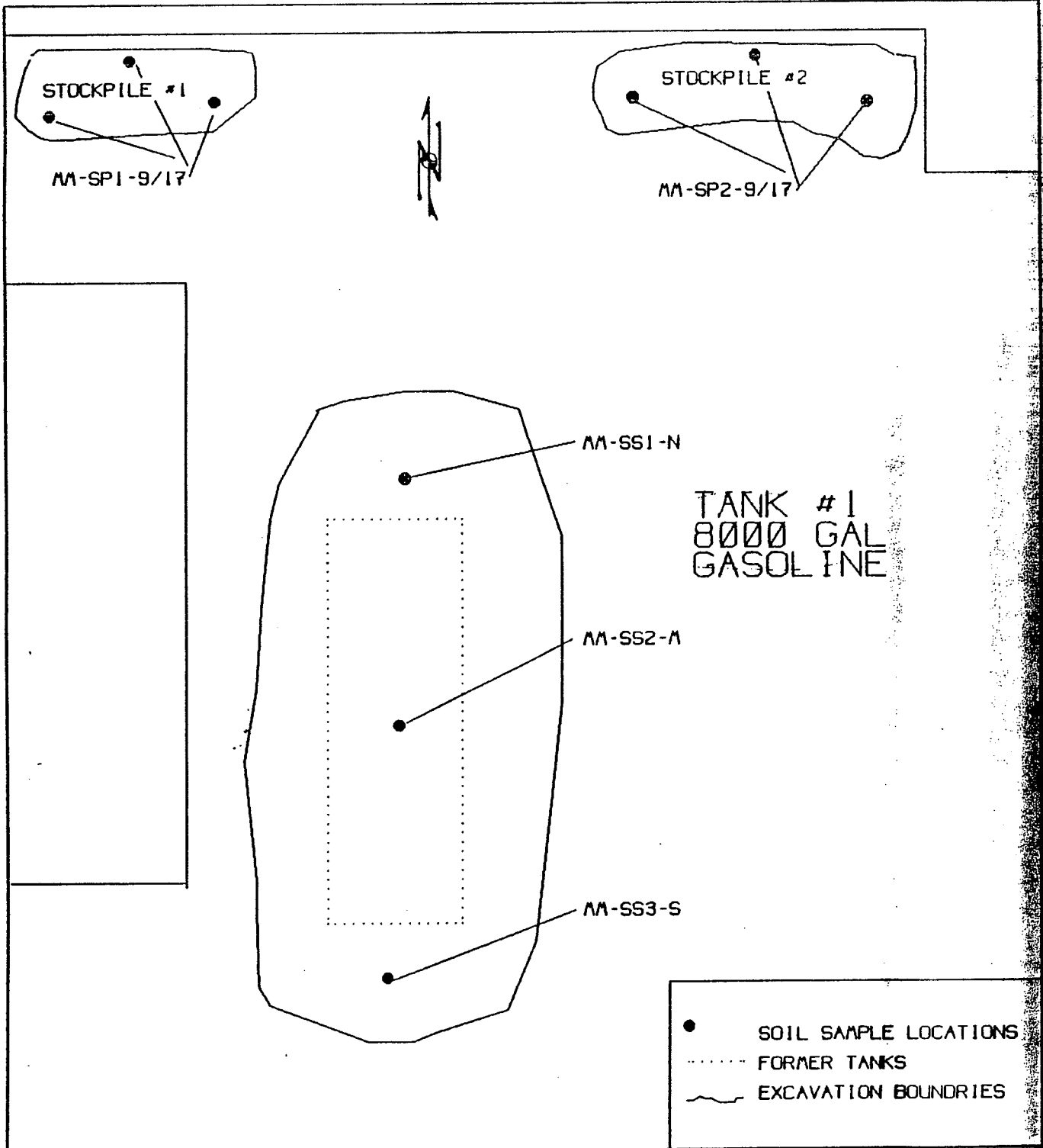
PETROLEUM SERVICES UNLIMITED



MILLERS / WOODSHED
 3132 WASHINGTON
 LONGVEIW. WA 98632

Figure 3
 Site Location

PETROLEUM SERVICES UNLIMITED.



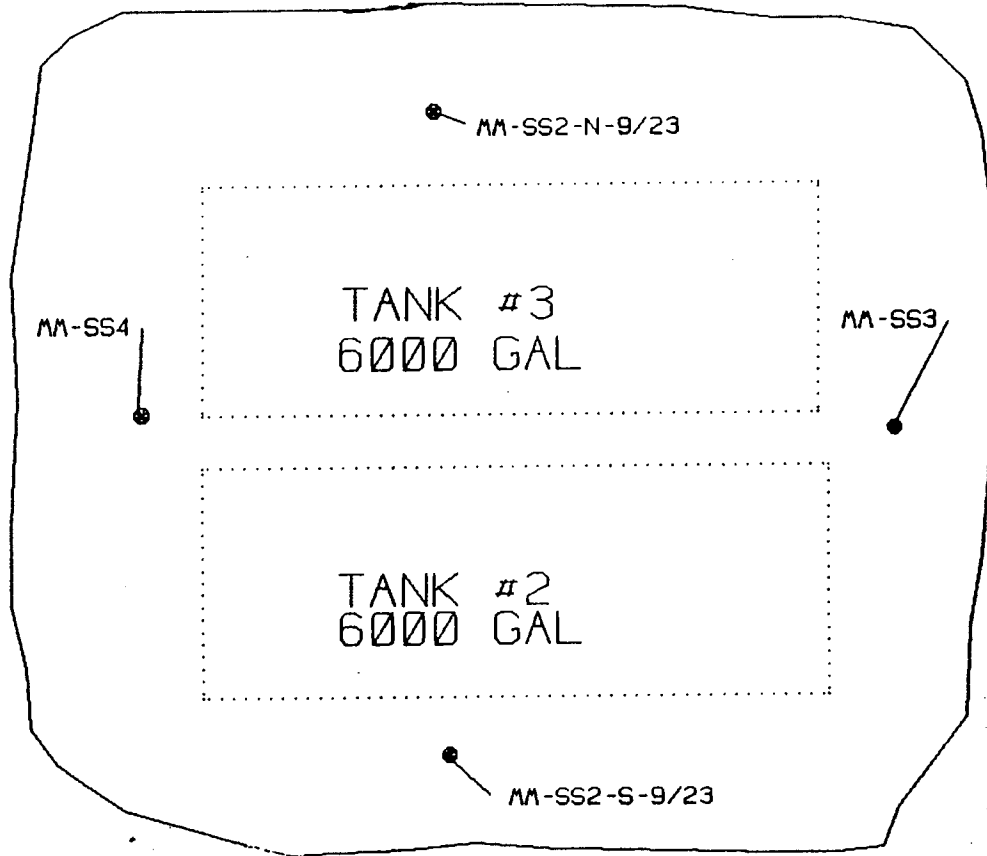
MILLERS MARKET
 3132 WASHINGTON WAY
 LONGVEIW, WASHINGTON

Figure 4

Site Location

PETROLEUM SERVICES UNLIMITED.

32 AVE



WASHINGTON WAY

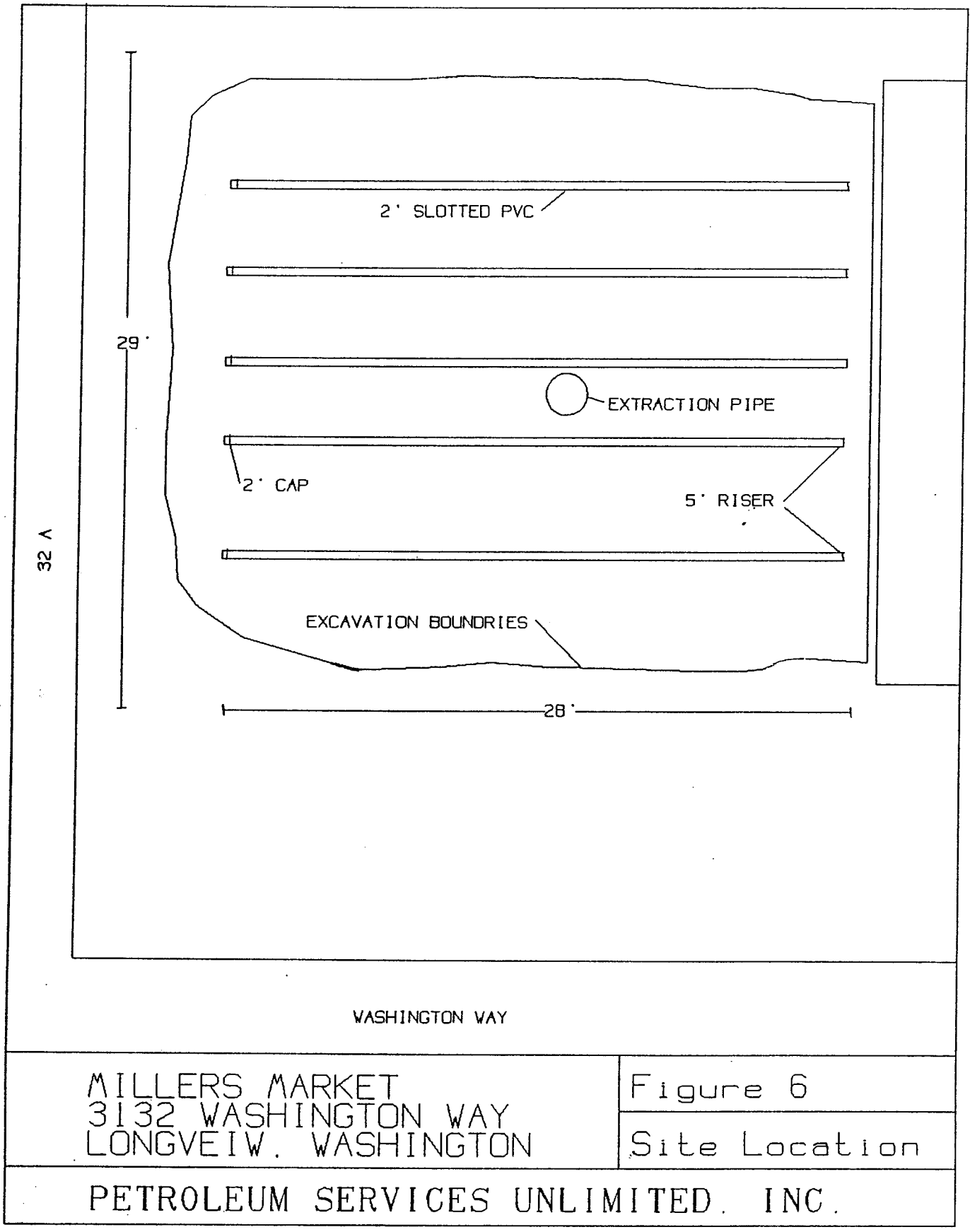
- SOIL SAMPLE LOCATIONS
- FORMER TANKS
- ~ EXCAVATION BOUNDARIES

MILLERS MARKET
3132 WASHINGTON WAY
LONGVEIW, WASHINGTON

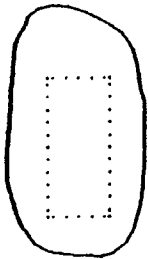
Figure 5

Site Location

PETROLEUM SERVICES UNLIMITED.

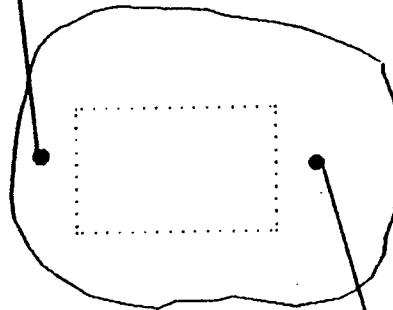


675 GAL
HEATING OIL
TANK



1000 GAL
WASTE OIL
TANK

MM-SSI-VN



MM-SSI-VS

- SOIL SAMPLE LOCATION
- FORMER TANK LOCATION
- ~ EXCAVATION BOUNDARIES

MILLERS MARKET
3132 WASHINGTON WAY
LONGVIEW, WA 98632

Figure 7

Site Location

PETROLEUM SERVICES UNLIMITED, INC.

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 (ppm)	MTBE (ppm)	Benzene (ppm)	Toluene (ppm)	Ethyl-benzene (ppm)	Total Xylenes (ppm)
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
P-3(1.5)	7/9/03	1.5	ND	ND	ND	ND	ND	ND
P-3(4.5)	7/9/03	4.5	ND	ND	ND	ND	ND	ND
P-4(5)	7/9/03	5	ND	ND	ND	ND	ND	ND
P-6(5)	06/25/03	5	220	ND	ND	0.6	2.3	6.4
P-7A(6.5)	7/9/03	6.5	ND	ND	ND	ND	ND	ND
P-8(1.5)	7/9/03	1.5	ND	ND	ND	ND	ND	ND
P-8(4.5)	7/9/03	4.5	ND	ND	ND	ND	ND	ND
P-9(1.5)	7/9/03	1.5	ND	ND	ND	ND	ND	ND
P-9(4.5)	7/9/03	4.5	ND	ND	ND	ND	ND	ND
MTCA Method A Cleanup Levels:			30.0	0.1	0.03	7.0	6.0	9.0
<p>Notes: ppm = parts per million, or milligrams per kilogram (mg/kg) ND = Not detected at the laboratory reporting limits, see laboratory analytical report for values. -- = Not sampled, not measured, or not analyzed TPH-G = TPH as Gasoline - analyzed using Method NWTPH-GX MTBE and BTEX Compounds - analyzed using USEPA Method 8021B</p>								

**TABLE 2
SUMMARY OF GROUNDWATER ANALYTICAL RESULTS**

Miller's Market
3152 Washington Way
Longview, Washington

Sample I.D.	Sample Date	TPH-Gasoline (ppb)	Benzene (ppb)	Toluene (ppb)	Ethyl-benzene (ppb)	Xylenes (ppb)	MTBE (ppb)
P-2	06/25/03	380,000	3,500	15,000	4,400	42,000	ND
P-3	07/09/03	29,000	1,000	720	380	4,700	ND
P-4	07/09/03	110	16	ND	2	12	ND
P-6	06/25/03	2,200	3	ND	34	63	ND
P-7A	07/09/03	ND	ND	ND	ND	ND	4
P-8	07/09/03	ND	1	ND	ND	ND	ND
P-9	07/09/03	ND	ND	ND	ND	ND	ND
MTCA Method A Cleanup Levels:		800*	5	1000	700	1000	20
<p>Notes: ppb - Parts per billion (µg/L) ND = Not detected at the laboratory reporting limits, see laboratory analytical report for values. -- = Not sampled, not measured, or not analyzed TPH as Gasoline - Analysis by Northwest Method NWTPH-G BTEX Compounds - Analysis by EPA Method 8021B MTBE - Analysis by EPA Method 8021B *MTCA Method A Cleanup Level for TPH-Gasoline is 1000 ppb if benzene is not detectable in groundwater.</p>							

**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)	MTBE (mg/kg)	Benzene (mg/kg)	Toluene (mg/kg)	Ethyl-benzene (mg/kg)	Total Xylenes (mg/kg)
MW-1-6	11/06/03	6	ND	ND(<0.1)	ND(<0.04)	ND(<0.06)	ND(<0.06)	ND(<0.2)
MW-2-5	11/05/03	5	ND	ND(<0.1)	ND(<0.04)	ND(<0.06)	ND(<0.06)	ND(<0.2)
MW-3-3	11/05/03	3	190	ND(<0.4)	ND(<0.1)	ND(<0.2)	0.6	0.9
MW-3-6	11/5/03	6.0	380	ND(<0.4)	0.6	0.7	2.4	3.5
RW-1-2.5	11/6/03	2.5	78	ND(<0.1)	0.2	0.3	0.2	1.8
RW-1-5	11/6/03	5	230	ND(<0.2)	0.5	ND(<0.1)	1.8	5.0
MTCA Method A Cleanup Levels:			30.0	0.1	0.03	7.0	6.0	9.0
Notes:								
mg/kg = milligrams per kilogram (mg/kg)								
ND = Not detected at the laboratory reporting limits, see laboratory analytical report for values.								
-- = Not sampled, not measured, or not analyzed								
TPH-G = TPH as Gasoline - analyzed using Method NWTPH-GX								
MTBE and BTEX Compounds - analyzed using USEPA Method 8021B								

**TABLE 2
SUMMARY OF GROUNDWATER ANALYTICAL RESULTS**

Miller's Market
3152 Washington Way
Longview, Washington

Well I.D. (TOC)	Sample Date	Depth to Groundwater	Groundwater Elevation	TPH- Gasoline (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl- benzene (µg/L)	Xylenes (µg/L)
MW-1 (49.37)	11/17/03	5.36	44.01	ND	ND(<1)	ND(<1)	ND(<1)	ND(<3)
MW-2 (48.36)	11/17/03	4.45	43.91	ND	ND(<1)	ND(<1)	ND(<1)	ND(<3)
MW-3 (49.20)	11/17/03	5.34	43.86	4,900	100	12	170	250
RW-1 (48.35)	11/17/03	4.58	43.77	23,000	970	1,200	460	3,400
MTCA Method A Cleanup Levels:				800*	5	1000	700	1000
Notes: (TOC) = top of casing elevation µg/L = micrograms per liter ND = Not detected at the laboratory reporting limits. Reporting limit in parenthesis -- = Not sampled, not measured, or not analyzed TPH as Gasoline - Analysis by Northwest Method NWTPH-G BTEX Compounds - Analysis by EPA Method 8021B *MTCA Method A Cleanup Level for TPH-Gasoline is 1000 ppb if benzene is not detectable in groundwater.								

**TABLE 1
SUMMARY OF ANALYTICAL RESULTS - SOIL**

Miller's Market
3152 Washington Way
Longview, Washington

Sample I.D.	Sample Collection Date	Sample Collection Depth (feet)	TPH-G (mg/kg)	TPH-D (mg/kg)	TPH-O (mg/kg)	MTBE (mg/kg)	Benzene (mg/kg)	Toluene (mg/kg)	Ethyl-benzene (mg/kg)	Total Xylenes (mg/kg)
MW-4 5'	10/27/05	5	15	<26	<52	<2	<0.03	<0.05	0.05	<0.2
MW-5 5'	11/21/05	5	<4	<26	<51	NA	<0.04	<0.07	<0.07	<0.2
MW-6 5'	11/21/05	5	320	<28	<56	NA	<0.07	<0.1	1.2	0.6
MW-7 5'	11/21/05	5	<3	<25	<50	NA	<0.03	<0.05	<0.05	<0.2
MW-8 5'	11/21/05	5	<3	<25	<50	NA	<0.03	<0.05	<0.05	<0.2
MTCA Method A Cleanup Levels:			30	200	200	0.1	0.03	7.0	6.0	9.0

Notes:
mg/kg = milligrams per kilogram
< = Not detected at the listed analytical laboratory Method Reporting Limit
NA = Not analyzed
TPH-G = TPH in the gasoline range - analyzed using Method NWTPH-GX
TPH-D = TPH in the diesel range - analyzed using Method NWTPH-Dx
TPH-O = TPH in the oil range - analyzed using Method NWTPH-Dx
MTBE and BTEX Compounds - analyzed using USEPA Method 8021B

*Remedial Investigation Report
Miller's Market 21164
3152 Washington Way, Longview, Washington 98632
Antea Group Project No. STCG-419-2*



Appendix D

Soil Borings/Well Logs



PROJECT NO:	STCG-047-1	CLIENT:	Colony Insurance	BORING/WELL NO:	P-1
LOGGED BY:	NWH	LOCATION:	Longview, Wa	PAGE 1 OF 1	
DRILLER:	NWH	DATE DRILLED:	6/25/2003	LOCATION MAP See Figure 2	
DRILLING METHOD:	Hand Auger	HOLE DIAMETER:	3.5-inch		
SAMPLING METHOD:	Grab	HOLE DEPTH:	4 feet		
CASING TYPE:	NA	WELL DIAMETER:	NA		
SLOT SIZE:	NA	WELL DEPTH:	NA		
GRAVEL PACK:	NA	CASING STICKUP:	NA		

ELEVATION	NORTHING	EASTING
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Well Completion		Static Water Level	Moisture Content	PID Reading (ppm)	Penetration (blows/6")	Depth (feet)	Recovery	Sample Interval	Soil Type	LITHOLOGY / DESCRIPTION
Backfill	Casing									
			mst			1			GP	Asphalt Surface (3.5-inch) Crushed GRAVEL fill, one-inch-minus; brown
			mst	0		2				
			mst	0		3			GW	Pea GRAVEL fill; brown
			mst	0		4				Bottom of boring at 4 feet
						5				
						6				
						7				
						8				
						9				
						10				
						11				
						12				
						13				
						14				
						15				
						16				
						17				
						18				
						19				
						20				
						21				
						22				



PROJECT NO: STCG-047-1 CLIENT: Colony Insurance
 LOGGED BY: NWH LOCATION: Longview, Wa
 DRILLER: NWH DATE DRILLED: 6/25/2003
 DRILLING METHOD: Hand Auger HOLE DIAMETER: 3.5-inch
 SAMPLING METHOD: Grab HOLE DEPTH: 8 feet
 CASING TYPE: NA WELL DIAMETER: NA
 SLOT SIZE: NA WELL DEPTH: NA
 GRAVEL PACK: NA CASING STICKUP: NA

BORING/WELL NO: P-2
PAGE 1 OF 1

LOCATION MAP

See Figure 2

ELEVATION NORTHING EASTING

Well Completion		Static Water Level	Moisture Content	PID Reading (ppm)	Penetration (blows/6")	Depth (feet)	Recovery	Sample Interval	Soil Type	LITHOLOGY / DESCRIPTION
Backfill	Casing									
			mst	229 7		1			AS GP	Asphalt Surface (2-inch) Crushed GRAVEL fill, one-inch-minus; brown
			mst		2				ML	SILT; grey, mottled light and dark grey, non-plastic (organics present at 2 feet)
			mst			3			OL	Organic SILT at 3 to 3.5 feet; dark brown, up to 20% organics
			moist	4		4			ML	SILT; grey, mottled light and dark grey, non-plastic
		▽	wet		5					Sandy SILT; grey, mottled, non-plastic
			wet		6					80% silt, 20% very fine sand
						7				
						8				Bottom of boring at 8 feet
						9				
						10				
						11				
						12				
						13				
						14				
						15				
						16				
						17				
						18				
						19				
						20				
						21				
						22				

Delta

**Environmental
Consultants
Inc.**

PROJECT NO: STCG-047-1 CLIENT: Colony Insurance
 LOGGED BY: NWH LOCATION: Longview, Wa
 DRILLER: Geotech DATE DRILLED: 7/9/2003
 DRILLING METHOD: Geo-probe HOLE DIAMETER: 2.5-inch
 SAMPLING METHOD: Macro HOLE DEPTH: 8 feet
 CASING TYPE: NA WELL DIAMETER: NA
 SLOT SIZE: NA WELL DEPTH: NA
 GRAVEL PACK: NA CASING STICKUP: NA

BORING/WELL NO: P-3
PAGE 1 OF 1

LOCATION MAP

See Figure 2

ELEVATION

NORTHING

EASTING

Well Completion		Static Water Level	Moisture Content	PID Reading (ppm)	Penetration (blows/6")	Depth (feet)	Sample Recovery Interval	Soil Type	LITHOLOGY / DESCRIPTION
Backfill	Casing								
									Concrete surface
						1		GP	3/4"-minus crushed rock
			mst	2		2		ML	SILT; grey, slight black mottle very low plasticity
			mst	3		3			(grades more even in grey color)
		▽	wet			5			
			wet	3		6			(increased organic content)
			wet			7			
			wet	1.5		8			
						9			
						10			Bottom of boring at 10 feet
						11			
						12			
						13			
						14			
						15			
						16			
						17			
						18			
						19			
						20			
						21			
						22			

Delta

Environmental Consultants Inc.

PROJECT NO:	STCG-047-1	CLIENT:	Colony Insurance	BORING/WELL NO: P-4
LOGGED BY:	NWH	LOCATION:	Longview, Wa	PAGE 1 OF 1
DRILLER:	Geotech	DATE DRILLED:	7/9/2003	LOCATION MAP See Figure 2
DRILLING METHOD:	Geo-probe	HOLE DIAMETER:	2.5-inch	
SAMPLING METHOD:	Macro	HOLE DEPTH:	8 feet	
CASING TYPE:	NA	WELL DIAMETER:	NA	
SLOT SIZE:	NA	WELL DEPTH:	NA	
GRAVEL PACK:	NA	CASING STICKUP:	NA	

ELEVATION	NORTHING	EASTING
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Well Completion		Static Water Level	Moisture Content	PID Reading (ppm)	Penetration (blows/6")	Depth (feet)	Sample Recovery	Interval	Soil Type	LITHOLOGY / DESCRIPTION
Backfill	Casing									
						1			GP	Concrete surface 3/4"-minus crushed rock
			mst	27		2			ML	SILT; grey, slight black mottle very low plasticity
			mst			3				
			mst			4				(organics and rootlets present)
		▽	wet	26		5				(increased organic content)
			wet			6				
			wet			7				
			wet			8				(grades lighter grey in color)
			wet			9				
						10				Bottom of boring at 10 feet
						11				
						12				
						13				
						14				
						15				
						16				
						17				
						18				
						19				
						20				
						21				
						22				

Delta

Environmental Consultants Inc.

PROJECT NO: STCG-047-1 CLIENT: Colony Insurance
 LOGGED BY: NWH LOCATION: Longview, Wa
 DRILLER: NWH DATE DRILLED: 6/25/2003
 DRILLING METHOD: Hand Auger HOLE DIAMETER: 3.5-inch
 SAMPLING METHOD: Grab HOLE DEPTH: 8 feet
 CASING TYPE: NA WELL DIAMETER: NA
 SLOT SIZE: NA WELL DEPTH: NA
 GRAVEL PACK: NA CASING STICKUP: NA

BORING/WELL NO: P-6
 PAGE 1 OF 1

LOCATION MAP

See Figure 2

ELEVATION NORTHING EASTING

Well Completion
 Backfill
 Casing

Static
 Water
 Level

Moisture
 Content

PID Reading
 (ppm)

Penetration
 (blows/6")

Depth (feet)

Sample
 Recovery
 Interval

Soil Type

LITHOLOGY / DESCRIPTION

Well Completion	Static Water Level	Moisture Content	PID Reading (ppm)	Penetration (blows/6")	Depth (feet)	Sample Recovery Interval	Soil Type	LITHOLOGY / DESCRIPTION
		mst			1	GP		Asphalt Surface (3.5-inch)
						SP		Crushed GRAVEL fill, one-inch-minus; brown
			5.5		2			Poorly graded SAND fill; gray/black, medium to coarse
		mst			3	ML		SILT; grey, mottled light and dark grey, organics and rootlets present
					4			(increased organics at 4 feet)
	▽	wet	16		5			
		moist			6			(increased rootlets at 6 feet)
		wet			7			
		wet	11		8			Bottom of boring at 8 feet
					9			
					10			
					11			
					12			
					13			
					14			
					15			
					16			
					17			
					18			
					19			
					20			
					21			
					22			



PROJECT NO: STCG-047-1 CLIENT: Colony Insurance
 LOGGED BY: NWH LOCATION: Longview, Wa
 DRILLER: NWH DATE DRILLED: 6/25/2003
 DRILLING METHOD: Hand Auger HOLE DIAMETER: 3.5-inch
 SAMPLING METHOD: Grab HOLE DEPTH: 3.5 feet
 CASING TYPE: NA WELL DIAMETER: NA
 SLOT SIZE: NA WELL DEPTH: NA
 GRAVEL PACK: NA CASING STICKUP: NA

BORING/WELL NO: P-7
 PAGE 1 OF 1

LOCATION MAP
 See Figure 2

ELEVATION NORTHING EASTING

Well Completion Backfill Casing	Static Water Level	Moisture Content	PID Reading (ppm)	Penetration (blows/6")	Depth (feet)	Recovery Interval	Soil Type	LITHOLOGY / DESCRIPTION	
		mst	0		1		AS GP	Asphalt Surface (4.5-inch) Crushed GRAVEL fill, one-inch-minus; brown	
						2			
		mst				3		GW	Pea GRAVEL fill; brown
					4			Bottom of boring at 3.5 feet	
					5				
					6				
					7				
					8				
					9				
					10				
					11				
					12				
					13				
					14				
					15				
					16				
					17				
					18				
					19				
					20				
					21				
					22				



Delta Environmental
Consultants, Inc.

WELL/BORING: P-7A	Unique Ecology Well ID:
INSTALLATION DATE: 6/25/2003	DRILLING METHOD: Geo PRobe
PROJECT: STCG-0472 Miller's Market	SAMPLING METHOD: Macro
CLIENT: Colony Insurance	BORING DIAMETER: 2.5"
LOCATION: 3152 Washington Way	BORING DEPTH: 10'
CITY: Long View	WELL CASING: NA
STATE: WA	WELL SCREEN: ()
DRILLER: Geotech	SAND PACK: (X)

WELL/BORING COMPLETION	FIRST	STABILIZED	MOISTURE	PID (ppm)	DENSITY BLOWS / 6"	DEPTH (FEET)	RECOVERY	SAMPLE INTERVAL	USCS SYMBOL	GRAPHIC	CASING ELEVATION	SURVEY DATE:	DTW:	DESCRIPTION/LOGGED BY: Nate Hemphill
	∇	▼				1 2 3 4 5 6 7 8 9 10 11			SW ML ML	 				



Delta Environmental
Consultants, Inc.

WELL/BORING: P-9	Unique Ecology Well ID:
INSTALLATION DATE: 7/9/2003	DRILLING METHOD: Geo PRobe
PROJECT: STCG-0472 Miller's Market	SAMPLING METHOD: Macro
CLIENT: Colony Insurance	BORING DIAMETER: 2.5"
LOCATION: 3152 Washington Way	BORING DEPTH: 10'
CITY: Long View	WELL CASING: NA
STATE: WA	WELL SCREEN: ()
DRILLER: Geotech	SAND PACK: (X)

WELL/BORING COMPLETION	FIRST	STABILIZED	MOISTURE	PID (ppm)	DENSITY BLOWS / 6"	DEPTH (FEET)	RECOVERY	SAMPLE INTERVAL	USCS SYMBOL	GRAPHIC	CASING ELEVATION	SURVEY DATE:	DTW:	DESCRIPTION/LOGGED BY: Nate Hemphill	
Concrete	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	-	0	-	1			ML					Asphalt	
Bentonite			-	0	-	2			ML					<u>SILT</u> : brown; 100% silt; trace fine sand.	
						3								Grades to gray.	
						4			ML					Brown mottled.	
			WET	0	-	5								Grades to gray.	
						6								Brown.	
			WET	0	-	7			ML					<u>SILT</u> : gray; organic odor.	
						8									<u>SILT</u> : light gray; 100% silt.
			WET	-	-	9									<u>SILT</u> : light gray; 100% silt.
						10									<u>SILT</u> : light gray; 100% silt.
						11									<u>SILT</u> : light gray; 100% silt.

PROJECT NO: STCG-047 CLIENT: Colony Group
 LOGGED BY: NWH LOCATION: Longview, WA
 DRILLER: GeoTech DATE DRILLED: 11/6/2003
 DRILLING METHOD: HSA HOLE DIAM.: 8-inch
 SAMPLING METHOD: SPT HOLE DEPTH: 19-feet
 CASING TYPE: PVC WELL DIAMETER: 2-inch
 SLOT SIZE: 0.010-inch WELL DEPTH: 19- feet
 GRAVEL PACK: 10-20 sand CASING STICKUP: Flush

LOCATION MAP

See Figure 2

ELEVATION NORTHING EASTING

Well Completion		Water Level	Moisture Content	PID Reading (ppm)	Penetration (blows/6")	Depth (feet)	Sample		Soil Type	LITHOLOGY / DESCRIPTION
Backfill	Casing						Recovery	Interval		
						1				Asphalt
						1			GP	road base, crushed gravel
						2			ML	SILT with sand, Grey with brown mottling
						2				80 to 95 % silt and 5 to 20% very fine sand, low plasticity
			moist			3				
						4				
						5				(grades even light grey color)
			moist		1	5				
				0.5	1	6				(roots and organic content present)
			wet		2	6				
						7				
						8				
						9				
						10				
			wet		1	10				
				0.9	1	11				
					2	11				
						12				
						13				
						14				
						15				
			wet		3	15				
				0.6	3	16				
					5	16				(grading more sand)
						17				
						18			SM	Silty SAND, grey
						18				60% silt, 40% fine sand
						19				Bottom of boring at 19 feet
			wet		2	19			SP	Poorly graded SAND, grey
				0.5	1	20				fine to medium grained, no fines
					1	20				
						21				
						22				

bentonite

10 - 20 SAND



SM

SP

PROJECT NO: STCG-047	CLIENT: Colony Group	BORING/WELL NO: MW-2
LOGGED BY: NWH	LOCATION: Longview, WA	PAGE 1 OF 1
DRILLER: GeoTech	DATE DRILLED: 11/5/2003	LOCATION MAP See Figure 2
DRILLING METHOD: HSA	HOLE DIAM: 8-inch	
SAMPLING METHOD: SPT	HOLE DEPTH: 20-feet	
CASING TYPE: PVC	WELL DIAMETER: 2-inch	
SLOT SIZE: 0.010-inch	WELL DEPTH: 20-feet	
GRAVEL PACK: 10-20 sand	CASING STICKUP: Flush	

ELEVATION	NORTHING	EASTING
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Well Completion		Water Level	Moisture Content	PID Reading (ppm)	Penetration (blows/6")	Depth (feet)	Sample Recovery Interval	Soil Type	LITHOLOGY / DESCRIPTION
Backfill	Casing								
						1		SP	Concrete roadway, 8-inch
						1		GM	SAND, 4-inches
						2			silty GRAVEL with cobbles, brown
						2			60% gravel and cobbles, 30% sand, 10% silt in lumps
			moist			3			
						4			
						4		ML	SILT with sand, Grey with brown mottling
						5			80 to 95 % silt and 5 to 20% very fine sand, low plasticity
			moist	0.9	3	5			
					1	6			(roots and organic content present)
					1	6			
						7			
						8			
						9			
			moist		3	10			(light grey color with black mottling)
		▽		0.7	2	11			
			wet		2	11			
						12			
						13			
						14			(grading more sand)
						15			
			wet	1.3	16	15			
					26	16		SP	Poorly graded SAND, grey
					26	16			fine grained, no fines
						17			
						18			
						19			
			wet	0.7	46	20			Bottom of boring at 20 feet
					50/6	21			
						22			

bentonite

10 x 20 SAND

PROJECT NO: STCG-047	CLIENT: Colony Group	BORING/WELL NO: MW-3
LOGGED BY: NWH	LOCATION: Longview, WA	PAGE 1 OF 1
DRILLER: GeoTech	DATE DRILLED: 11/5/2003	LOCATION MAP See Figure 2
DRILLING METHOD: HSA	HOLE DIAM.: 8-inch	
SAMPLING METHOD: SPT	HOLE DEPTH: 19-feet	
CASING TYPE: PVC	WELL DIAMETER: 2-inch	
SLOT SIZE: 0.010-inch	WELL DEPTH: 19- feet	
GRAVEL PACK: 10-20 sand	CASING STICKUP: Flush	

ELEVATION	NORTHING	EASTING
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Well Completion		Water Level	Moisture Content	PID Reading (ppm)	Penetration (blows/6")	Depth (feet)	Sample Recovery Interval	Soil Type	LITHOLOGY / DESCRIPTION
Backfill	Casing								
						1		GM	Concrete 6 - 7 inches
						2			Silty Gravel fill, brown
			moist	278		3		ML	SILT with sand, Grey with brown mottling
						4			80 to 95 % silt and 5 to 20% very fine sand, low plasticity
			moist		1	5			(roots and organic content present)
			wet	355	1	6			(grades even light grey color)
					1	7			
						8			
						9			
			wet	626	1	10		SM	Silty SAND, grey
					1	11			60% fine sand, 40% silt
					1	12			
						13			
						14		ML	Sandy SILT, grey
			wet	29.5	28	15			70% silt, 30%
					50/6	16			(grading more sand)
						17			
						18		SP	Poorly graded SAND, grey
						19			fine to medium grained, no fines
			wet	1.6	3	20			Bottom of boring at 19 feet
					4	21			
					6	22			

bentonite

10 - 20 SAND



Delta

Environmental Consultants Inc.

Project No: STCG-047	Client: Miller's Market	Well No: MW-4
Logged By: JMN	Location: 3152 Washington Way, Longview, WA	Page 1 of 1
Driller: Cascade	Date Drilled: 10/27/2005	Location Map See Figure 2
Drilling Method: HSA	Hole Diameter: 8 3/4"	
Sampling Method: HA/SPT	Hole Depth: 21.5'	
Casing Type: Sch. 40 PVC	Well Diameter: 2"	
Slot Size: 0.010"	Well Depth: 20'	
Gravel Pack: 10X20	Casing Stickup: Flush	

Elevation	Northing	Easting
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Well Completion	Water Level	Moisture Content	PID Reading (ppm)	Penetration (blows/6")	Depth (feet)	Sample Recovery Interval	Soil Type	LITHOLOGY / DESCRIPTION
Backfill Casing					0		GP-GM	Asphalt
					1		GM	Poorly Graded GRAVEL with silt and sand
					2		ML	70% gravel, 20% sand, 10% silt
					3			SILT with gravel
					4			80% silt, 20% gravel
					5			(Vac-cleared to 5 feet bgs)
		MST	4.8		6		ML	SILT, gray-brown, soft, moderate plasticity, with trace fine sand
					7			95% silt, 5% fine sand
					8			
					9			
		Wet	2.2	1	10		ML	SILT, gray, with fine sand
				1	11			80% silt, 20% fine sand
				1	12			
					13			
					14			
		Wet	0.3	4	15		ML	Sandy SILT, gray
				5	16			70% silt, 30% fine sand
				7	17			
					18			
					19			
		Wet	0.4	4	20		SP	Poorly graded SAND, gray
				8	21			80% medium sand, 20% silt
				13	22			
								Bottom of Boring at 20 feet
								Sampling Terminated at 21.5 feet

Delta

Environmental Consultants Inc.

Project No: STCG-047	Client: Miller's Market	Well No: MW-5
Logged By: CRF	Location: 3152 Washington Way, Longview, WA	Page 1 of 1
Driller: Cascade	Date Drilled: 11/21/2005	Location Map See Figure 2
Drilling Method: HSA	Hole Diameter: 8 3/4"	
Sampling Method: SPT	Hole Depth: 20'	
Casing Type: Sch. 40 PVC	Well Diameter: 2"	
Slot Size: 0.010"	Well Depth: 20'	
Gravel Pack: 10X20	Casing Stickup: Flush	

Elevation	Northing	Easting
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Well Completion	Water Level	Moisture Content	PID Reading (ppm)	Penetration (blows/6')	Depth (feet)	Sample Recovery Interval	Soil Type	LITHOLOGY / DESCRIPTION
Backfill Casing					1			Concrete
					2			(Vac-cleared to 5 feet bgs)
					3			
					4			
	▼ 11:55 11/21/05	MST	0.6	2	5			
	▽ 8:45 11/21/05			3	6		ML	SILT, gray-brown, soft, moderate plasticity, with trace fine sand 95% silt, 5% fine sand
				4	7			
					8			
					9			
		Wet	0.1	3	10		ML	SILT, light gray 100% silt
				5	11			
				5	12			
					13			
					14			
		SAT	0.3	12	15		SP	Poorly graded SAND, gray, dense 100% fine sand
				12	16			
				15	17			
					18			
					19			
		SAT	0.3	7	20		SP	Poorly graded SAND, gray 100% fine sand
				8	21			
				11	22			
								Bottom of Boring at 20 feet Sampling Terminated at 21.5 feet

Delta

Environmental Consultants Inc.

Project No: STCG-047	Client: Miller's Market	Well No: MW-6
Logged By: CRF	Location: 3152 Washington Way, Longview, WA	Page 1 of 1
Driller: Cascade	Date Drilled: 11/21/2005	Location Map See Figure 2
Drilling Method: HSA	Hole Diameter: 8 3/4"	
Sampling Method: D&M/SPT	Hole Depth: 20'	
Casing Type: Sch. 40 PVC	Well Diameter: 2"	
Slot Size: 0.010"	Well Depth: 20'	
Gravel Pack: 10X20	Casing Stickup: Flush	

Elevation	Northing	Easting
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Well Completion	Water Level	Moisture Content	PID Reading (ppm)	Penetration (blows/6')	Depth (feet)	Sample Recovery Interval	Soil Type	LITHOLOGY / DESCRIPTION
Backfill Casing								Concrete
					1			(Vac-cleared to 5 feet bgs)
					2			
					3			
					4			
	16:00 11/21/05 ▼	MST	489	7	5		ML	SILT, gray-brown, moderate plasticity, with trace fine root
				10	6			95% silt, 5% organics (fine roots)
	10:20 11/21/05 ▽		Wet	11	7			
					8			
					9			
		Wet	148	4	10		ML	SILT, light gray, soft
				4	11			100% silt
				8	12			
					13			
					14			
		SAT	0.6	12	15		ML	
				18	16		SP	Poorly graded SAND, gray, with trace fine silt
				24	17			(grades finer sand at 16.5 feet)
					18			95% fine sand, 5% silt
					19			
					20			
		Wet	0.1	12	20		SP	Poorly graded SAND, gray
				17	21			60% medium sand, 40% fine sand
				20	22			
								Bottom of Boring at 20 feet
								Sampling Terminated at 21.5 feet

Delta

Environmental Consultants Inc.

Project No: STCG-047	Client: Miller's Market	Well No: MW-7
Logged By: CRF	Location: 3152 Washington Way, Longview, WA	Page 1 of 1
Driller: Cascade	Date Drilled: 11/21/2005	Location Map See Figure 2
Drilling Method: HSA	Hole Diameter: 8 3/4"	
Sampling Method: D&M/SPT	Hole Depth: 18'	
Casing Type: Sch. 40 PVC	Well Diameter: 2"	
Slot Size: 0.010"	Well Depth: 18'	
Gravel Pack: 10X20	Casing Stickup: Flush	

Elevation	Northing	Easting
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Well Completion	Water Level	Moisture Content	PID Reading (ppm)	Penetration (blows/6")	Depth (feet)	Sample Recovery Interval	Soil Type	LITHOLOGY / DESCRIPTION
Backfill Casing								Asphalt
					1			(Vac-cleared to 5 feet bgs)
					2			
					3			
	15:55 11/21/05				4			
	13:10 11/21/05				5			
		SAT	0.2	3	5		SW	Well-graded SAND, loose, with trace silt
				3	6			20% coarse., 40% medium, and 35% fine-grained sands, 5% silt
				4	7			
					8			
					9			
					10			
		SAT		6	10			
		Wet	4.1	8	11		SW	SILT, gray, stiff, with trace gravel and trace fine roots
				11	12		ML	90% silt, 5% fine gravel, 5% organics (fine roots)
					13			
					14			
					15			
		SAT	4.6	5	15			
				7	16		SP	Poorly graded SAND, gray, dense
				15	17			100% fine sand
					18			(as above, grading to coarser sand)
		Wet	2.7		19			
					20			Bottom of Boring at 18 feet
					21			Sampling Terminated at 19.5 feet
					22			

Delta

Environmental Consultants Inc.

Project No: STCG-047	Client: Miller's Market	Well No: MW-8
Logged By: CRF	Location: 3152 Washington Way, Longview, WA	Page 1 of 1
Driller: Cascade	Date Drilled: 11/21/2005	Location Map See Figure 2
Drilling Method: HSA	Hole Diameter: 8 3/4"	
Sampling Method: D&M/SPT	Hole Depth: 18'	
Casing Type: Sch. 40 PVC	Well Diameter: 2"	
Slot Size: 0.010"	Well Depth: 18'	
Gravel Pack: 10X20	Casing Stickup: Flush	

Elevation	Northing	Easting
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Well Completion	Water Level	Moisture Content	PID Reading (ppm)	Penetration (blows/6')	Depth (feet)	Sample Recovery Interval	Soil Type	LITHOLOGY / DESCRIPTION
Backfill Casing								Asphalt
	16:30 11/21/05				1			(Vac-cleared to 5 feet bgs)
					2			
					3			
					4			
	14:30 11/21/05	SAT	1.4	3	5	SW-SM		Well-graded SAND with silt and gravel, 75% well-graded sands, 10% silt, 15% well-graded gravels
				6	6			
				7	7			
					8			
					9			
		SAT	2.6	5	10			
				10	11	ML		SILT, gray, with fine sand 90% silt, 10% well-graded sand
				12	12			
					13			
					14			
		SAT	2.7	17	15	SP		Poorly graded SAND, gray, dense 100% fine sand
				19	16			
				12	17			
					18			
		SAT	3.0	10	18			(as above, grading to fine to medium sand with trace silt)
				12	19			
				15	20			Bottom of Boring at 18 feet Sampling Terminated at 19.5 feet
					21			
					22			

PROJECT NO: STCG-047 CLIENT: Colony Group
 LOGGED BY: NWH LOCATION: Longview, WA
 DRILLER: GeoTech DATE DRILLED: 11/6/2003
 DRILLING METHOD: Vac-truck HOLE DIAM.: 12-inch
 SAMPLING METHOD: grab HOLE DEPTH: 8-feet
 CASING TYPE: PVC WELL DIAMETER: 4-inch
 SLOT SIZE: 0.020-inch WELL DEPTH: 8- feet
 GRAVEL PACK: 10-20 sand CASING STICKUP: Flush

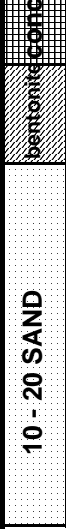
BORING/WELL NO: RW-1
PAGE 1 OF 1

LOCATION MAP

See Figure 2

ELEVATION NORTHING EASTING

Well Completion		Water Level	Moisture Content	PID Reading (ppm)	Penetration (blows/6")	Depth (feet)	Sample		Soil Type	LITHOLOGY / DESCRIPTION
Backfill	Casing						Recovery	Interval		
						1				9-inch concrete slab with re-bar
				78		2		GM		Silty GRAVEL with sand, brown
						3		ML		Gravelly SILT, Grey
						4				80% silt, 20% gravel and occasional concrete debris to 10- inch size, fill
				184		5				(High pea gravel content on NW side of excavation)
				72		6				(grades brown, no concrete debris or gravel)
				33		7				
						8				Bottom of vacuum excavation at 8 feet
						9				
						10				
						11				
						12				
						13				
						14				
						15				
						16				
						17				
						18				
						19				
						20				
						21				
						22				



Appendix E

Terrestrial Ecological Evaluation and Half-Mile Radius Well Search Map



Voluntary Cleanup Program

Washington State Department of Ecology Toxics Cleanup Program

TERRESTRIAL ECOLOGICAL EVALUATION FORM

Under the Model Toxics Control Act (MTCA), a terrestrial ecological evaluation is necessary if hazardous substances are released into the soils at a Site. In the event of such a release, you must take one of the following three actions as part of your investigation and cleanup of the Site:

1. Document an exclusion from further evaluation using the criteria in WAC 173-340-7491.
2. Conduct a simplified evaluation as set forth in WAC 173-340-7492.
3. Conduct a site-specific evaluation as set forth in WAC 173-340-7493.

When requesting a written opinion under the Voluntary Cleanup Program (VCP), you must complete this form and submit it to the Department of Ecology (Ecology). The form documents the type and results of your evaluation.

Completion of this form is not sufficient to document your evaluation. You still need to document your analysis and the basis for your conclusion in your cleanup plan or report.

If you have questions about how to conduct a terrestrial ecological evaluation, please contact the Ecology site manager assigned to your Site. For additional guidance, please refer to www.ecy.wa.gov/programs/tcp/policies/terrestrial/TEEHome.htm.

Step 1: IDENTIFY HAZARDOUS WASTE SITE

Please identify below the hazardous waste site for which you are documenting an evaluation.

Facility/Site Name: Miller's Market

Facility/Site Address: 3152 Washington Way, Longview, WA

Facility/Site No: 91861675

VCP Project No.: Currently not enrolled.

Step 2: IDENTIFY EVALUATOR

Please identify below the person who conducted the evaluation and their contact information.

Name: Jaime L. KC

Title: Project Professional

Organization: Antea Group

Mailing address: 4006 148th Ave NE

City: Redmond

State: WA

Zip code: 98052

Phone: 425-498-7726

Fax: 425-869-1892

E-mail: jaime.kc@anteagroup.com

Step 3: DOCUMENT EVALUATION TYPE AND RESULTS

A. Exclusion from further evaluation.

1. Does the Site qualify for an exclusion from further evaluation?

- Yes *If you answered "YES," then answer **Question 2**.*
- No or Unknown *If you answered "NO" or "UNKNOWN," then skip to **Step 3B** of this form.*

2. What is the basis for the exclusion? Check all that apply. Then skip to **Step 4** of this form.

Point of Compliance: WAC 173-340-7491(1)(a)

- All soil contamination is, or will be,* at least 15 feet below the surface.
- All soil contamination is, or will be,* at least 6 feet below the surface (or alternative depth if approved by Ecology), and institutional controls are used to manage remaining contamination.

Barriers to Exposure: WAC 173-340-7491(1)(b)

- All contaminated soil, is or will be,* covered by physical barriers (such as buildings or paved roads) that prevent exposure to plants and wildlife, and institutional controls are used to manage remaining contamination.

Undeveloped Land: WAC 173-340-7491(1)(c)

- There is less than 0.25 acres of contiguous# undeveloped± land on or within 500 feet of any area of the Site and any of the following chemicals is present: chlorinated dioxins or furans, PCB mixtures, DDT, DDE, DDD, aldrin, chlordane, dieldrin, endosulfan, endrin, heptachlor, heptachlor epoxide, benzene hexachloride, toxaphene, hexachlorobenzene, pentachlorophenol, or pentachlorobenzene.
- For sites not containing any of the chemicals mentioned above, there is less than 1.5 acres of contiguous# undeveloped± land on or within 500 feet of any area of the Site.

Background Concentrations: WAC 173-340-7491(1)(d)

- Concentrations of hazardous substances in soil do not exceed natural background levels as described in WAC 173-340-200 and 173-340-709.

* An exclusion based on future land use must have a completion date for future development that is acceptable to Ecology.

± "Undeveloped land" is land that is not covered by building, roads, paved areas, or other barriers that would prevent wildlife from feeding on plants, earthworms, insects, or other food in or on the soil.

"Contiguous" undeveloped land is an area of undeveloped land that is not divided into smaller areas of highways, extensive paving, or similar structures that are likely to reduce the potential use of the overall area by wildlife.

B. Simplified evaluation.

1. Does the Site qualify for a simplified evaluation?

- Yes *If you answered "YES," then answer **Question 2** below.*
- No or Unknown *If you answered "NO" or "UNKNOWN," then skip to **Step 3C** of this form.*

2. Did you conduct a simplified evaluation?

- Yes *If you answered "YES," then answer **Question 3** below.*
- No *If you answered "NO," then skip to **Step 3C** of this form.*

3. Was further evaluation necessary?

- Yes *If you answered "YES," then answer **Question 4** below.*
- No *If you answered "NO," then answer **Question 5** below.*

4. If further evaluation was necessary, what did you do?

- Used the concentrations listed in Table 749-2 as cleanup levels. *If so, then skip to **Step 4** of this form.*
- Conducted a site-specific evaluation. *If so, then skip to **Step 3C** of this form.*

5. If no further evaluation was necessary, what was the reason? Check all that apply. Then skip to **Step 4** of this form.

Exposure Analysis: WAC 173-340-7492(2)(a)

- Area of soil contamination at the Site is not more than 350 square feet.
- Current or planned land use makes wildlife exposure unlikely. Used Table 749-1.

Pathway Analysis: WAC 173-340-7492(2)(b)

- No potential exposure pathways from soil contamination to ecological receptors.

Contaminant Analysis: WAC 173-340-7492(2)(c)

- No contaminant listed in Table 749-2 is, or will be, present in the upper 15 feet at concentrations that exceed the values listed in Table 749-2.
- No contaminant listed in Table 749-2 is, or will be, present in the upper 6 feet (or alternative depth if approved by Ecology) at concentrations that exceed the values listed in Table 749-2, and institutional controls are used to manage remaining contamination.
- No contaminant listed in Table 749-2 is, or will be, present in the upper 15 feet at concentrations likely to be toxic or have the potential to bioaccumulate as determined using Ecology-approved bioassays.
- No contaminant listed in Table 749-2 is, or will be, present in the upper 6 feet (or alternative depth if approved by Ecology) at concentrations likely to be toxic or have the potential to bioaccumulate as determined using Ecology-approved bioassays, and institutional controls are used to manage remaining contamination.

C. Site-specific evaluation. A site-specific evaluation process consists of two parts: (1) formulating the problem, and (2) selecting the methods for addressing the identified problem. Both steps require consultation with and approval by Ecology. See WAC 173-340-7493(1)(c).

1. Was there a problem? See WAC 173-340-7493(2).

- Yes *If you answered "YES," then answer **Question 2** below.*
- No *If you answered "NO," then identify the reason here and then skip to **Question 5** below:*
- No issues were identified during the problem formulation step.
 - While issues were identified, those issues were addressed by the cleanup actions for protecting human health.

2. What did you do to resolve the problem? See WAC 173-340-7493(3).

- Used the concentrations listed in Table 749-3 as cleanup levels. *If so, then skip to **Question 5** below.*
- Used one or more of the methods listed in WAC 173-340-7493(3) to evaluate and address the identified problem. *If so, then answer **Questions 3 and 4** below.*

3. If you conducted further site-specific evaluations, what methods did you use?

Check all that apply. See WAC 173-340-7493(3).

- Literature surveys.
- Soil bioassays.
- Wildlife exposure model.
- Biomarkers.
- Site-specific field studies.
- Weight of evidence.
- Other methods approved by Ecology. If so, please specify:

4. What was the result of those evaluations?

- Confirmed there was no problem.
- Confirmed there was a problem and established site-specific cleanup levels.

5. Have you already obtained Ecology's approval of both your problem formulation and problem resolution steps?

- Yes If so, please identify the Ecology staff who approved those steps:
- No

Step 4: SUBMITTAL

Please mail your completed form to the Ecology site manager assigned to your Site. If a site manager has not yet been assigned, please mail your completed form to the Ecology regional office for the County in which your Site is located.



Northwest Region: Attn: VCP Coordinator 3190 160 th Ave. SE Bellevue, WA 98008-5452	Central Region: Attn: VCP Coordinator 15 W. Yakima Ave., Suite 200 Yakima, WA 98902
Southwest Region: Attn: VCP Coordinator P.O. Box 47775 Olympia, WA 98504-7775	Eastern Region: Attn: VCP Coordinator N. 4601 Monroe Spokane WA 99205-1295

If you need this publication in an alternate format, please call the Toxics Cleanup Program at 360-407-7170. Persons with hearing loss can call 711 for Washington Relay Service. Persons with a speech disability can call 877-833-6341.

Half-Mile Radius Well Search Map

3152 Washington Way, Longview, Washington

