

June 19, 2017

Project Number 2014-001-03

Mr. Nnamdi Madakor P.HG, P.G.,
Senior Hydrogeologist
Pollution Liability Insurance Agency
P.O. Box 40930
Olympia, Washington 98504-0930

Subject: Request for Reduced Groundwater Monitoring Program
Indy Way Chevron
1161 Industrial Way, Longview Washington.
VCP Project ID: SW1385

Dear Mr. Madakor:

HydroCon Environmental, LLC (HydroCon) is pleased to submit this letter requesting a reduction of groundwater monitoring and sampling at the Indy Way Chevron site located at 1161 Industrial Way in Longview, Washington (Figure 1). This request is based on the results of past monitoring events presented in the HydroCon Groundwater Monitoring and Remediation Report, dated April 17, 2017.

Current Groundwater Monitoring Program

The current groundwater monitoring program consists of monitoring and sampling five monitoring wells (MW101 through MW105) and one recover well (RW-1). The groundwater samples collected from the well network are analyzed for gasoline range petroleum hydrocarbons (GRPH), benzene, toluene, ethylbenzene and total xylenes (BTEX). Well locations are presented on Figure 2.

GRPH and BTEX have not been detected above the laboratory Method Reporting Limits (MRLs) in Monitoring wells MW101, MW102 and MW103 for the past 2 years (8 quarters). GRPH and BTEX have not been detected above the laboratory MRL for the last 5 quarters in MW104 and for the last 3 quarters in MW105. GRPH detected in the recovery well RW-1 exceeds the MTCA Method A cleanup level of 800 µg/L for 2 of the last 4 quarters. The most recent sampling event in March 2017 the GRPH was not detected above the laboratory MRL in RW-1. Past groundwater results are summarized on Figure 3.

Air Sparge and Soil Vapor Extraction System

During the first quarter of 2015, a soil vapor extraction and air sparge (SVE/AS) treatment system was installed near the release area of the UST excavation. The SVE/AS system operated from February 2015 until through April 2016. During this time period, quarterly groundwater samples collected from the recovery well RW-1 were below the MTCA Method A cleanup levels for GRPH and BTEX.

Groundwater samples collected from RW-1 during the third and fourth quarters of 2017 exceed the MTCA Method A cleanup level of 800 µg/L for GRPH. The SVE/AS system was restarted and operated continuously until March 2017. On March 23, 2017, prior to shutting the system off, influent and effluent PID readings were measured at 0.0 ppm. The March 2017 GRPH and BTEX results for RW-1 were all below the laboratory MRLs.

Proposed Groundwater Monitoring Program

Based on the past groundwater sampling results and remedial efforts at the site, HydroCon propose to modify the current groundwater monitoring program to include the following:

- Collect samples for GRPH and BTEX from recovery well RW-1 and compliance well MW105.
- Collect only depth to water data from monitoring wells MW101, MW102, and MW103.
- Discontinue monitoring and sampling monitoring well MW104.

If groundwater sample results are below the MTCA Method A cleanup level for GRPH and BTEX in the recovery well RW-1 and compliance well MW-105, HydroCon will discontinue sampling and request no further action (NFA) for the site.

Please feel free to contact me at 360.703.6079 if you have questions regarding the revised monitoring plan and respond if you approve of the proposed changes to the monitoring plan.

Sincerely,



Brian Pletcher
Senior Project Manager/Geologist



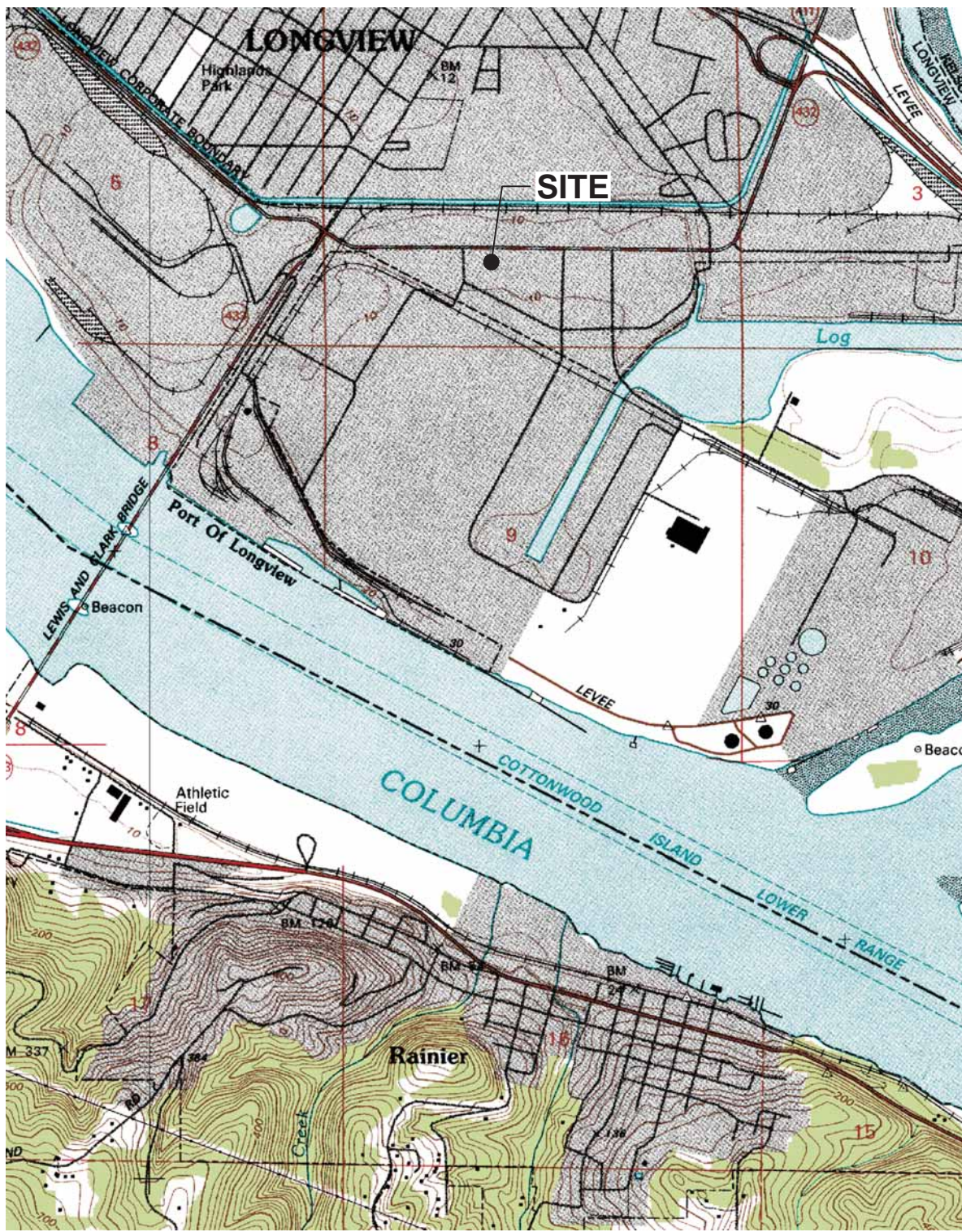
David Borys
President

Attachments

Figure 1 – Site Location Map

Figure 2 – Site Features

Figure 3 -- Summary of Groundwater Analytical Results



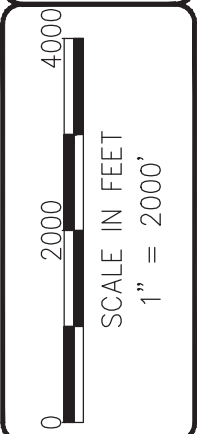
NOTE(S):
 USGS, RAINIER QUADRANGLE
 OREGON-WASHINGTON
 7.5 MINUTE SERIES (TOPOGRAPHIC)

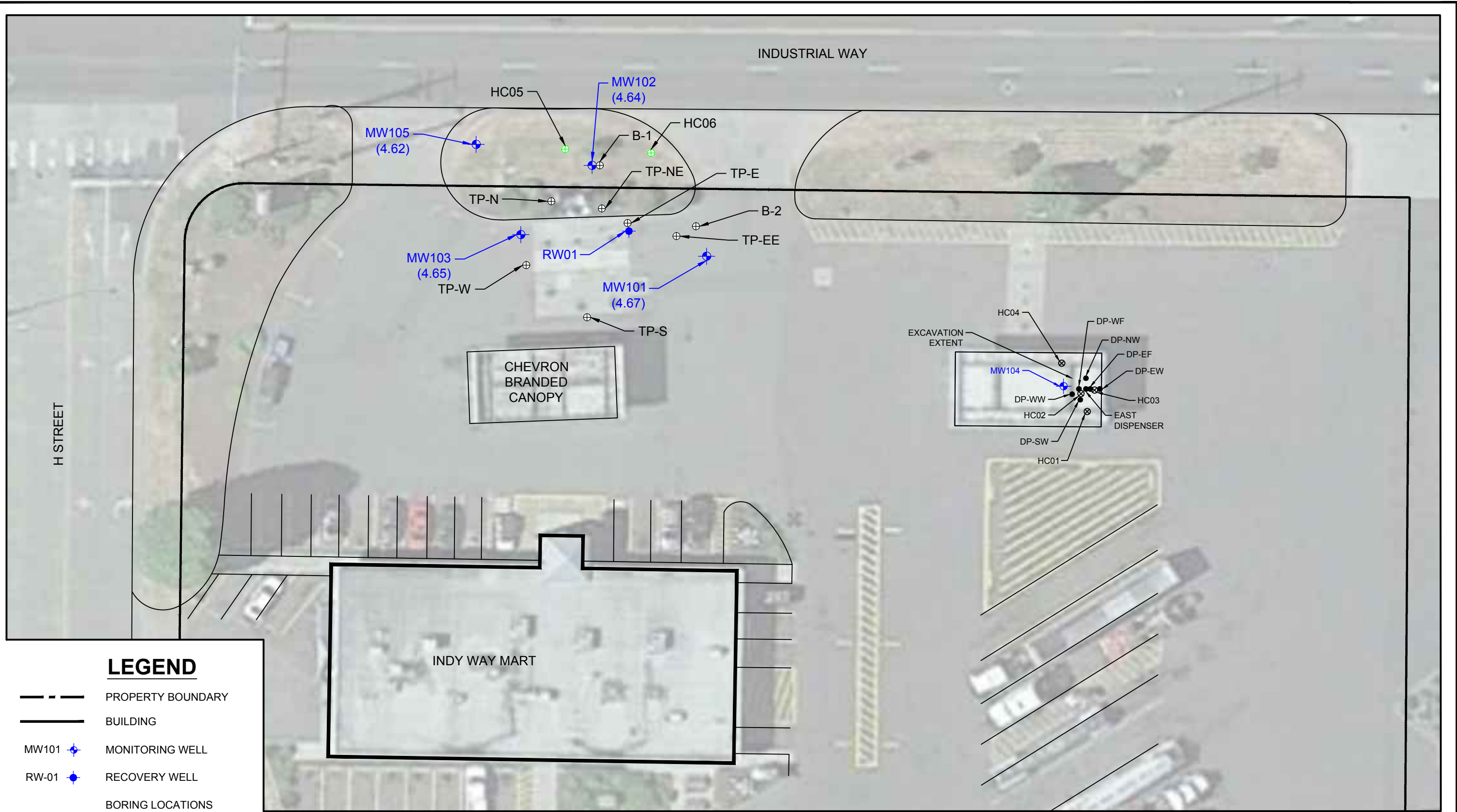
FIGURE 1
 SITE LOCATION MAP
 WILCOX INDY WAY CHEVRON
 1161 INDUSTRIAL WAY
 LONGVIEW, WA

DATE: 04-09-17
 DWN: JH
 CHK: CD
 APPROVED: BD
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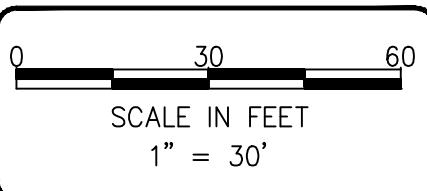
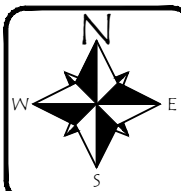
510 Allen St. Suite B Kelso, WA 98626, PH(360) 703-6079





LEGEND

- PROPERTY BOUNDARY
- BUILDING
- MW101 ⊕ MONITORING WELL
- RW-01 ⊕ RECOVERY WELL
- TP-W/B01 ⊕ BORING LOCATIONS (COMPLETED 10/1/14, 10/6/14, AND 10/27/14)
- DP-EW ● REMEDIAL EXCAVATION CONFIRMATION SAMPLE (COMPLETED 11/23/15)
- HC02 ⊗ BORING LOCATIONS (COMPLETED 11/24/15)
- HC06 ⊕ BORING LOCATIONS (COMPLETED 8/17/16)

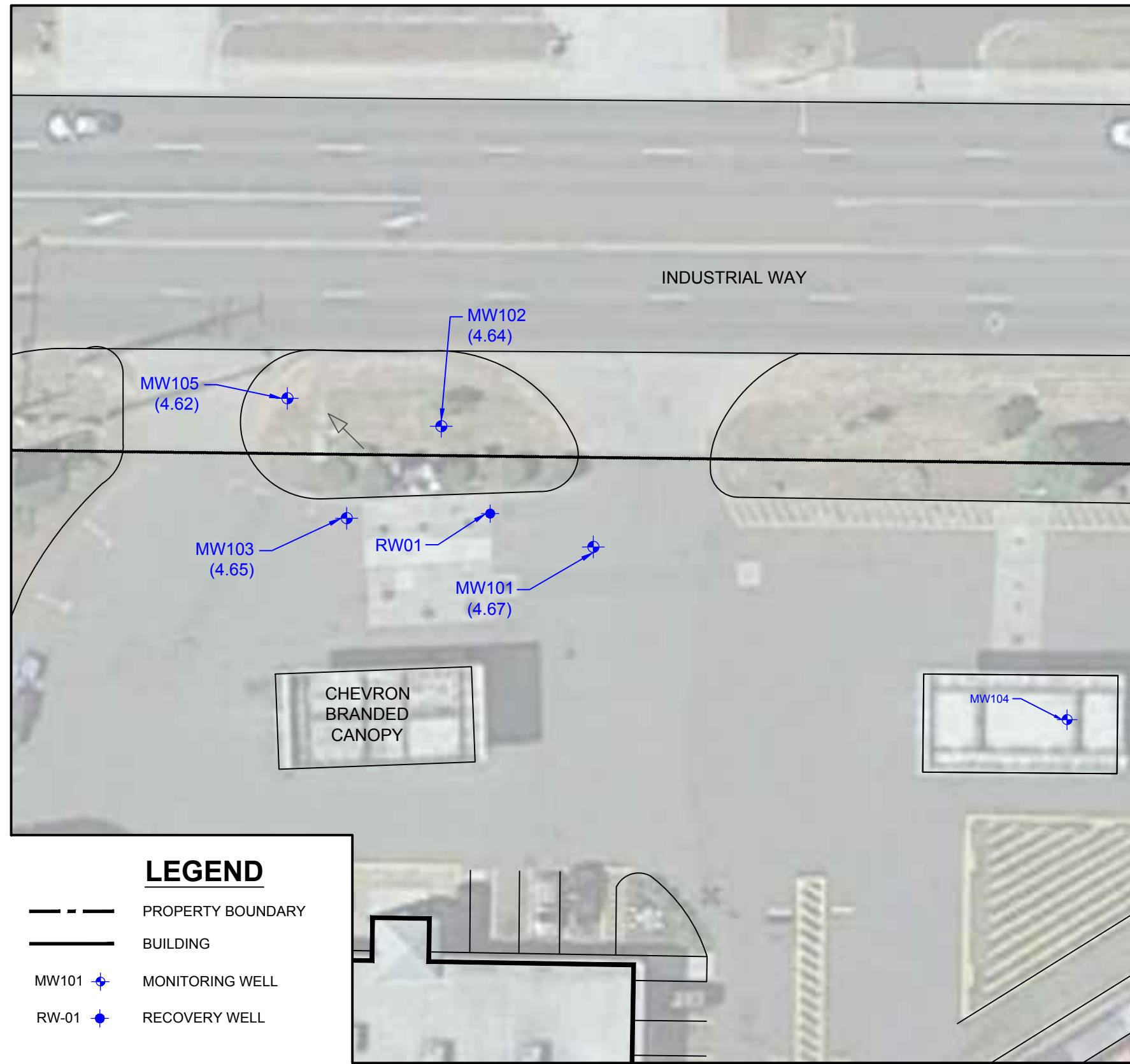


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FIGURE 2
 SITE FEATURES
 WILCOX & FLEGEL
 1161 INDUSTRIAL WAY
 LONGVIEW, WASHINGTON

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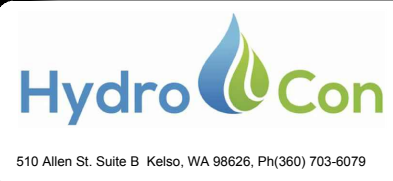
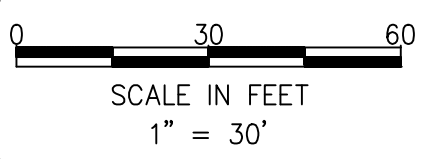
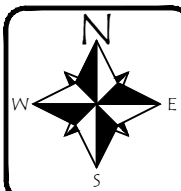
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Parameter		GRPH [1]	Benzene [2]	Toluene [2]	Ethylbenzene [2]	Total Xylenes [2]
Cleanup Level*		800	5	1,000	700	1,000
Monitoring Well/Boring ID	Date Sampled					
MW101	12/30/14	26,000	100	2,700	570	4,300
	3/10/15	<100	<1	<1	<1	<3
	6/9/15	<100	<1	<1	<1	<3
	10/1/15	<100	<1	<1	<1	<3
	1/21/16	<100	<1	<1	<1	<3
	4/7/16	<100	<1	<1	<1	<3
	8/19/16	<100	<0.200	<1	<0.500	<1.5
	10/27/16	<100	<0.200	<1	<0.500	<1.5
3/24/17	<100	<0.200	<1	<0.500	<1.5	
MW102	12/30/14	11,000	610	1,600	260	1,000
	3/10/15	<100	<1	<1	<1	<3
	6/9/15	<100	<1	<1	<1	<3
	10/1/15	<100	<1	<1	<1	<3
	1/21/16	<100	<1	<1	<1	<3
	4/6/16	<100	<1	<1	<1	<3
	8/19/16	<100	<0.200	<1	<0.500	<1.5
	10/27/16	<100	<0.200	<1	<0.500	<1.5
3/24/17	<100	<0.200	<1	<0.500	<1.5	
MW103	12/30/14	<100	<1	<1	<1	<3
	3/10/15	<100	<1	<1	<1	<3
	6/9/15	<100	<1	<1	<1	<3
	10/1/15	<100	<1	<1	<1	<3
	1/21/16	<100	<1	<1	<1	<3
	4/7/16	<100	<1	<1	<1	<3
	8/19/16	<100	<0.200	<1	<0.500	<1.5
	10/27/16	<100	<0.200	<1	<0.500	<1.5
3/24/17	<100	<0.200	<1	<0.500	<1.5	
MW104	12/30/14	Not Installed				
	3/10/15	Not Installed				
	6/9/15	Not Installed				
	10/1/15	Not Installed				
	1/21/16	<100	<1	<1	<1	<3
	4/7/16	<100	<1	<1	<1	<3
	8/19/16	<100	<0.200	<1	<0.500	<1.5
	10/27/16	<100	<0.200	<1	<0.500	<1.5
3/24/17	<100	<0.200	<1	<0.500	<1.5	
MW105	4/7/16	Not Installed				
	8/19/16	<100	<0.200	<1	<0.500	<1.5
	10/27/16	<100	<0.200	<1	<0.500	<1.5
	3/24/17	<100	<0.200	<1	<0.500	<1.5
RW01	12/30/14	Not Sampled				
	3/10/15	9,000	120	1,100	52	1,500
	6/9/15	590	<1	16	<1	140
	10/16/15	<100	<1	<1	<1	6.3
	1/21/16	<100	<1	<1	<1	<3
	4/7/16	<100	<1	<1	<1	3.1
	8/19/16	2,080	0.660	3.67	60	139
	8/30/16	3,020	0.771	21.4	49	261
10/27/16	1,960	0.256	4.58	56.6	177	
3/24/17	<100	<0.200	<1	<0.500	<1.5	

LEGEND

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- BUILDING
- MW101 MONITORING WELL
- RW-01 RECOVERY WELL



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FIGURE 3
 SUMMARY OF GROUNDWATER ANALYTICAL RESULTS
 WILCOX & FLEGEL
 1161 INDUSTRIAL WAY
 LONGVIEW, WASHINGTON