

**PHASE II ENVIRONMENTAL  
SITE ASSESSMENT  
REPORT**

**FEBRUARY 28, 2013**

**BURIEN CHEVROLET SITE  
14400 FIRST AVENUE SOUTH  
BURIEN, WASHINGTON**

*Prepared By*

*Paul W. Stemen*

*Stemen Environmental, Inc.*

## TABLE OF CONTENTS

1.0 SITE CHARACTERISTICS AND HISTORY	PAGE 1
1.1 SITE CHARACTERISTICS	PAGE 1
1.2 SITE HISTORY	PAGE 2
2.0 INVESTIGATIVE SOIL SAMPLING	PAGE 2
2.1 NORTHERN MAINTENANCE/SERVICE GARAGE	PAGE 3
2.2 EASTERN MAINTENANCE/SERVICE GARAGE	PAGE 3
2.3 LOCATION OF PREVIOUSLY ABANDONED IN-PLACE UNDERGROUND STORAGE TANK	PAGE 4
2.4 LOCATION OF PREVIOUSLY REMOVED UNDERGROUND FUEL STORAGE TANKS	PAGE 4
2.4.1 SOIL AND GROUNDWATER SAMPLING EVENT – DECEMBER 7, 2012	PAGE 4
2.4.2 SOIL AND GROUNDWATER	PAGE 6
3.0 SOIL SAMPLING, GROUNDWATER SAMPLING AND LABORATORY ANALYSES PROTOCOLS	PAGE 9
3.1 SOIL SAMPLING PROTOCOLS	PAGE 9
3.2 QUALITY CONTROLS AND ASSURANCES	PAGE 9
3.3 LABORATORY ANALYSES PROTOCOLS	PAGE 9
4.0 HEALTH AND SAFETY	PAGE 9
5.0 SUMMARY AND CONSULTANT’S RECOMMENDATIONS	PAGE 10
5.1 SUMMARY	PAGE 10
5.2 CONSULTANT’S RECOMMENDATIONS	PAGE 10
APPENDIX A LABORATORY ANALYSES CHARTS, SAMPLE LOCATION MAP, SITE PHOTO AND TEST PIT LOGS	
APPENDIX B LABORATORY ANALYSES DATA	

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Telephone 360-438-9521 Fax 360-412-1225

February 28, 2013

Mr. Hal Reardon  
980 East 74th Lane  
Lynden, Washington 98264

Ms. Pam Stallcop  
Burien Toyota  
15025 First Avenue South  
Burien, Washington 98148

Dear Mr. Reardon & Ms. Stallcop:

RE:PHASE II ENVIRONMENTAL SITE ASSESSMENT FOR THE BURIEN CHEVROLET  
SITE LOCATED AT 14400 FIRST AVENUE SOUTH, BURIEN WASHINGTON.

## **1.0 SITE CHARACTERISTICS AND HISTORY**

### **1.1 Site Characteristics**

The subject property consists of approximately 4.77 acres of commercially zoned, and commercially developed land located 14400 First Avenue South, Burien, Washington. The subject property primarily located at Latitude 47.219702 Longitude -122.484423, and in the Northeast Quarter of Section 20, Township 23 North, Range 4 East. The subject property is listed by the King County Assessor's Office as Tax Parcels #176060-0061, 176060-0053, 176060-0050, and 176060-0040.

The site is bordered on the east by State Route 509, on the north by developed commercial property occupied by a Discount Tire Store and a Fred Meyer Store, on the south by developed commercial property occupied by an automotive sales facility, and on the west by First Avenue South and developed commercial properties.

The subject property is located in an area that is primarily occupied by State Route 509, light industrial/commercial businesses, an airport, and retail businesses.

Available information indicates that the subsurface soils present on the subject property consist of fine to medium grain sands and silts intermixed with gravels, to depths of at least 50 feet b.g.s.

Groundwater was present at an approximate depth of 16 feet b.g.s. (below ground surface) beneath selected portions of the subject property on the date of these investigations.

## **1.2 Site History**

In 1961, a 21,240 square foot commercial automotive dealership building was constructed on the northwestern portion of the subject property. The building consists of a 20,400 square foot main floor and a 840 square foot mezzanine. The building contains a new car showroom, two (2) vehicle service, maintenance, and repair shops, a parts department, and offices.

Additionally, a limited number of small storage sheds and containers are located on the rear/eastern portions of the property.

The exterior portions of the subject property are primarily occupied by asphalt surfaced vehicle parking/storage areas and access driveways.

The subject property and the on-site commercial building have been occupied by an operational, full service automobile dealership since 1961.

Currently the northern service, maintenance, and repair shop garage portion of the on-site building is serviced by three (3) currently operational underground hydraulic lift systems, two (2) currently "out of service" underground hydraulic lift systems, and multiple aboveground vehicle lift systems. No floor drains are present in this area. It appears that some of the underground hydraulic lift systems were dual point hydraulic lift systems.

Reportedly, one (1) underground hydraulic lift system was previously located in the southern portion of the eastern service/maintenance garage. The lift was placed "out of service" and removed in previous years.

Reportedly, two (2) gasoline and one (1) used oil underground storage tanks were previously buried directly adjacent to and directly south of the southern end of the eastern service/maintenance garage. The underground fuel storage tanks were excavated and removed from the site in 1987.

A 550 gallon underground storage tank was reportedly abandoned in-place at a location in the asphalt driveway located directly north of the northern service/maintenance garage.

No documentation that site assessments were performed as part of the underground storage tank closure projects was available for review.

## **2.0 INVESTIGATIVE SOIL SAMPLING**

The purpose of this Limited Phase II Environmental Site Assessment is to assess the impacts of the on-site recognized environmental conditions, associated with the previous and/or current operations of the subject property, on the current environmental integrity of the subject property.

Prior to the commencement of any on-site sampling activities, all underground utilities were properly located and identified by a Professional Underground Utilities Locating Contractor.

On December 7, 2012 and February 6, 2013, I supervised the advancement of a total of seventeen (17) investigative boreholes at selected locations of interest on the subject property. Selected sampling locations include the former burial locations of the previously removed underground fuel storage tanks, a previously abandoned in-place underground storage tank, and the areas in the maintenance/service garages that directly surround the currently in-use and currently out of service underground hydraulic lift systems.

The investigative boreholes were advanced using a Direct Push Sampling System supplied from ESN Northwest, Inc., of Olympia, Washington. The Direct Push Sampling System was operated by a Washington State Licensed Resource Protection Well Driller.

Investigative soil and water samples were obtained from the soils present at various depths in the advanced investigative boreholes.

Based on field screening results, and visual observations, selected soil and/or water samples were submitted for appropriate laboratory analyses.

## **2.1 Northern Maintenance/Service Garage**

On December 7, 2012, a total of five (5) investigative boreholes were advanced beneath the concrete floor at selected locations of interest throughout the Maintenance/Service Garage portion of the subject property. The selected sampling locations were directly adjacent to the locations of currently out of service and/or currently in-use underground hydraulic lift systems. One investigative borehole was advanced to a depth of 10 feet b.g.s. (below ground surface) at the location of each of the five (5) individual lift systems. The boreholes were advanced in close proximity to each the lift systems underground hydraulic cylinders.

One discreet soil sample was obtained from each borehole at a depth below the lowest portion of the underground lift system and submitted for appropriate laboratory analyses.

Field screening of the soils removed from each borehole produced no noticeable presence of petroleum products (hydraulic oils)

Laboratory analyses results for underground lift system investigative soil samples L1-10, L2-10, L310, L4-10, and L5-10 reported no presence of diesel fuel and/or lube oil (hydraulic oil) range T.P.H.

## **2.2 Eastern Maintenance/Service Garage**

On December 7, 2012, one (1) investigative borehole was advanced at the reported location of the previously removed underground hydraulic lift system located in the southern portion of the eastern maintenance/service garage.

Sample location S-4 is located 6 feet north and 12 feet west of the southeast corner of the eastern maintenance/service garage portion of the on-site dealership building.

The soil boring at this location was advanced to an approximate depth of 12 feet b.g.s.

Investigative sample S-4-12 was obtained from moist brown/grey sands and gravels present at an approximate depth of 12 feet b.g.s.

Laboratory analyses results for investigative soil sample S-4-12 reported no presence of diesel fuel range T.P.H., and/or lube oil range T.P.H., at levels that exceed MTCA Method A Clean Up Levels.

## **2.3 Location of Previously Abandoned In-Place Underground Storage Tank**

On December 7, 2012, one investigative borehole was advanced at the reported location of the previously abandoned in-place underground storage tank.

Sample location S-3 is located approximately 20 feet north and 25 feet east of the northwest corner of northern maintenance/service garage portion of the on-site dealership building.

The soil boring at this location was advanced to an approximate depth of 10 feet b.g.s.

Investigative sample S-3-10 was obtained from moist sands present at an approximate depth of 10 feet b.g.s.

Laboratory analyses results for investigative soil sample S-3-10 reported no presence of gasoline range T.P.H., diesel fuel range T.P.H., lube oil range T.P.H., and/or B.T.E.X.s at levels that exceed MTCA Method A Clean Up Levels.

## **2.4 Location of Previously Removed Underground Fuel Storage Tanks**

On December 7, 2012, and February 6, 2013, a total of ten (10) investigative boreholes were advanced in the area directly south of the southern end of the maintenance/service garage portion of the on-site commercial building. A total of twenty (20) discreet soil samples, and three (3) discreet groundwater water samples were obtained from various depths at selected locations in the reported burial locations of the previously removed underground gasoline and used oil storage tanks.

Soils present on this portion of the site consisted of gravels to a depth of 1 foot b.g.s., moist brown medium grain sands with some small gravels to a depth of 8 feet b.g.s., moist brown/gray sands to a depth of 18 feet b.g.s. , and wet brown/gray sands to a depth of 20 feet b.g.s.

Water was present at an approximate depth of 18 feet b.g.s. on this portion of the subject property.

### **2.4.1 Soil and Groundwater Sampling Event - December 7, 2012**

On December 7, 2012, I supervised the advancement of three (3) investigative boreholes in the reported burial locations of the previously removed underground storage tanks.

## Sample Location S-1

Sample location S-1 is located 15 feet south and 25 feet east of the southwest corner of the adjacent building.

The soil boring at this location was advanced to an approximate depth of 20 feet b.g.s.

Investigative sample S-1-13 was obtained from moist brown/grey sands present at an approximate depth of 13 feet b.g.s., and sample S-1-20 was obtained from wet brown/grey sands present at an approximate depth of 20 feet b.g.s.

Investigative water sample S1-W was obtained from waters present at an approximate depth of 18.5 feet b.g.s.

**Laboratory analyses results for investigative soil sample S-1-13 reported the presence of gasoline range T.P.H. at levels that exceed MTCA Method A Clean Up Levels.**

**Laboratory analyses results for investigative soil sample S-1-20 reported the presence of gasoline range T.P.H. and B.T.E.X.s at levels that exceed MTCA Method A Clean Up Levels.**

**Laboratory analyses results for investigative water sample S1-W reported the presence of gasoline range T.P.H., and B.T.E.X.s at levels that exceed MTCA Method A Clean Up Levels.**

Laboratory analyses results for investigative soil samples S-1-13, S-1-20 and water sample S1-W reported no presence of diesel fuel, and/or lube oil range T.P.H. at levels that exceed MTCA Method A Clean Up Levels.

## Sample Location S-2

Sample location S-2 is located 15 feet south and 46 feet east of the southwest corner of the adjacent building and 21 feet east of the sample location S-1.

The soil boring at this location was advanced to an approximate depth of 12 feet b.g.s.

Investigative sample S-2-10 was obtained from moist brown/grey sands present at an approximate depth of 10 feet b.g.s.

Laboratory analyses results for investigative soil sample S-2-10 reported no presence of gasoline range T.P.H., diesel fuel range T.P.H., lube oil range T.P.H., and/or B.T.E.X.s at levels that exceed MTCA Method A Clean Up Levels.

## Sample Location S-5

Sample location S-5 is located 6 feet west and 6 feet south of the sample location S-1.

The soil boring at this location was advanced to an approximate depth of 12 feet b.g.s.

Investigative sample S-5-12 was obtained from moist brown/grey sands present at an approximate depth of 12 feet b.g.s.

Laboratory analyses results for investigative soil sample S-5-12 reported no presence of gasoline range T.P.H., diesel fuel range T.P.H., lube oil range T.P.H., and/or B.T.E.X.s at levels that exceed MTCA Method A Clean Up Levels.

#### **2.4.2 Soil and Groundwater Sampling Event - February 8, 2013**

On February 8, 2013, I supervised the advancement of seven (7) investigative boreholes in the area where the previously removed underground storage tanks were buried.

##### **Sampling Location DS1**

Sample location DS1 is located 4 feet south and 27 feet east of the southwest corner of the adjacent building.

The soil boring at this location was advanced to an approximate depth of 20 feet b.g.s.

Investigative sample DS1-10 was obtained from moist tan colored sands/small gravels present at an approximate depth of 10 feet b.g.s., sample DS1-14 was obtained from moist brown sands/small gravels present at an approximate depth of 14 feet b.g.s., sample DS1-16 was obtained from moist grey sands present at an approximate depth of 16 feet b.g.s., sample DS1-18 was obtained from moist grey sands/small gravels present at an approximate depth of 18 feet b.g.s., and sample DS1-20 was obtained from moist grey sands present at an approximate depth of 20 feet b.g.s.

Investigative water sample DS1-W was obtained from waters present at an approximate depth of 18.5 feet b.g.s.

Laboratory analyses results for investigative soil sample DS1-16 reported the presence of gasoline range T.P.H. at levels that slightly exceed MTCA Method A Clean Up Levels.

Laboratory analyses results for investigative soil samples DS1-10, DS1-14, DS1-18 and DS1-20 reported no presence of gasoline range T.P.H. at levels that exceed MTCA Method A Clean Up Levels.

Laboratory analyses results for investigative water sample DS1-W reported no presence of gasoline range T.P.H. diesel fuel T.P.H., lube oil range T.P.H. and/or B.T.E.X.s at levels that exceed MTCA Method A Clean Up Levels.

##### **Sampling Location DS2**

Sample location DS2 is located 17 feet south and 18 feet east of the southwest corner of the adjacent building.

The soil boring at this location was advanced to an approximate depth of 20 feet b.g.s.

Investigative soil sample DS2-14 was obtained from moist grey sands/gravels present at a depth of 14 feet b.g.s. sample DS2-16 was obtained from moist grey sands/gravels present at a depth of 16 feet b.g.s., and soil sample DS2-20 was obtained from wet brown sands present at a depth of 20 of 20 feet b.g.s.

**Laboratory analyses results for investigative soil sample DS2-14 reported the presence of gasoline range T.P.H. at levels that exceed MTCA Method A Clean Up Levels.**

Laboratory analyses results for investigative soil sample DS2-14 reported no presence of B.T.E.X.s at levels that exceed MTCA Method A Clean Up Levels.

Laboratory analyses results for investigative soil samples DS2-16 and DS2-20 reported no presence of gasoline range T.P.H. and/or B.T.E.X.s at levels that exceed MTCA Method A Clean Up Levels.

#### Sampling Location DS3

Sample location DS3 is located 32 feet south and 25 feet east of the southwest corner of the adjacent building.

The soil boring at this location was advanced to an approximate depth of 20 feet b.g.s.

Investigative soil sample DS3-14 was obtained from moist tan/grey sands/gravels present at a depth of 14 feet b.g.s., and soil sample DS3-18 was obtained from moist tan sands/gravels present at a depth of 18 feet b.g.s.

Laboratory analyses results for investigative soil samples DS3-14 and DS3-18 reported no presence of gasoline range T.P.H. and /or B.T.E.X.s at levels that exceed MTCA Method A Clean Up Levels.

#### Sampling Location DS4

Sample location DS4 is located 4 feet south and 46 feet east of the southwest corner of the adjacent building.

The soil boring at this location was advanced to an approximate depth of 20 feet b.g.s.

Investigative soil sample DS4-18 was obtained from moist tan sands/gravels present at a depth of 18 feet b.g.s.

Laboratory analyses results for investigative soil samples DS4-18 reported no presence of gasoline range T.P.H. and/or B.T.E.X.s at levels that exceed MTCA Method A Clean Up Levels.

#### Sampling Location DS5

Sample location DS5 is located 22 feet south and 51 feet east of the southwest corner of the adjacent building. Sampling location DS5 is located in close proximity to sampling location S-2.

The soil boring at this location was advanced to an approximate depth of 20 feet b.g.s.

Investigative soil sample DS5-10 was obtained from moist tan sands/gravels present at a depth of 10 feet b.g.s. and soil sample DS5-17 was obtained from moist brown sands/gravels present at a depth of 17 feet b.g.s.

Laboratory analyses results for investigative soil samples DS5-10 and DS5-17 reported no presence of gasoline range T.P.H. and/or B.T.E.X.s at levels that exceed MTCA Method A Clean Up Levels.

#### Sampling Location DS6

Sample location DS6 is located 42 feet south and 46 feet east of the southwest corner of the adjacent building.

The soil boring at this location was advanced to an approximate depth of 20 feet b.g.s.

Investigative soil sample DS6-12 was obtained from moist tan sands/gravels present at a depth of 12 feet b.g.s. and soil sample DS6-18 was obtained from moist brown sands/gravels present at a depth of 18 feet b.g.s.

Laboratory analyses results for investigative soil samples DS6-12 and DS6-18 reported no presence of gasoline range T.P.H. and/or B.T.E.X.s at levels that exceed MTCA Method A Clean Up Levels.

#### Sample Location DS-7

Sample location DS7 is located 47 feet south and 25 feet east of the southwest corner of the adjacent building

Investigative soil sample DS7-16 was obtained from moist tan sands/gravels present at a depth of 12 feet b.g.s.

Investigative water sample DS7-W was obtained from waters present at an approximate depth of 18.5 feet b.g.s.

Laboratory analyses results for investigative soil sample DS7-16 reported no presence of gasoline range T.P.H. and/or B.T.E.X.s at levels that exceed MTCA Method A Clean Up Levels.

Laboratory analyses results for investigative water sample DS7-W reported no presence of gasoline range T.P.H. and /or B.T.E.X.s at levels that exceed MTCA Method A Clean Up Levels.

### 3.0 SOIL SAMPLING AND LABORATORY ANALYSES PROTOCOLS

#### 3.1 Soil Sampling Protocols

All discreet soil samples were obtained using a "Direct Push Sampling System" provided and operated by Licensed Geologists from ESN Northwest, Inc. of Olympia, Washington. Continuous soil borings were extended to depths of approximately 20+ feet below ground surface (b.g.s.) or less. Continuous soil corings/samples (split spoon samplers/liners) were laid out in order by depth on the surface to facilitate field screening and observation of the soils obtained from various depths.

The soil samples were immediately removed from the liner and placed in recommended sample jars using a stainless steel sampling spoon and/or an appropriate VOC Sampling device.

EPA Method 5035 sampling protocols were practiced when sampling soils to be analyzed for Volatile Organic Compounds.

### **3.2 Quality Controls and Assurances**

All sampling tools/devices were properly cleaned between individual samples to prevent cross sample contamination. All soil and/or water samples were placed in recommended sample containers with zero head space, properly refrigerated and transported with proper chain of custody forms, to ESN Northwest, Inc. of Olympia, Washington, for appropriate laboratory analyses.

### **3.3 Laboratory Analyses Protocols**

Soil and groundwater samples were analyzed for the presence of gasoline range T.P.H. (total petroleum hydrocarbons) using method NWTPH-Gx, diesel fuel range T.P.H., and lube oil range T.P.H. using method NWTPH-Dx/Dx Extended and B.T.E.X.'s (Benzene, Toluene, Ethylbenzene, and Xylenes) and other Volatile Organic Compounds using EPA method 8260.

## **4.0 HEALTH AND SAFETY**

1. All on-site work was performed under the Health and Safety guidelines set forth in sections 29 CFR 1910.120 of the Federal Register and Chapter 296-62 WAC which provide regulations for individuals who are engaged in activities involving hazardous substances, including petroleum, and who perform confined space entry during field activities, also Chapter 296-155 WAC which provides State safety standards for construction work.

2. All on-site workers were 40 hour Hazmat certified.

3. A copy of the Site Safety Plan was provided to all on-site employees. The contents of this plan and all potential on-site hazards were discussed during an on-site safety meeting. Based on the contents of this safety plan all workers were required to wear at least Level D protection. First Aid materials and properly trained personnel were present on-site at all times.

4. The immediate perimeter of the work area was secured at all times by orange hazard cones and/or a secured building. Work on the interior of the building was primarily performed on weekend days.

## 5.0 SUMMARY AND CONSULTANT'S RECOMMENDATIONS

### 5.1 Summary

1. The results of this environmental investigation reported the presence of gasoline range T.P.H. B.T.E.X.'s at levels that exceed MTCA Method A Clean Up Levels in the subsurface soils and groundwater in the reported former burial locations of the previously removed underground gasoline and used storage tanks, and in the area directly south of the southern end of the eastern service/maintenance garage portion of the on-site dealership building. The presence of petroleum contaminated soils extends to depths of approximately 20+ feet b.g.s. Groundwater was present at a depth of 18 feet b.g.s. on dates of these investigations.

2. The results of this environmental investigation reported no presence of gasoline range T.P.H., diesel fuel range T.P.H., lube oil (hydraulic oil) range T.P.H., and/or B.T.E.X.s at levels exceeding MTCA Method A Clean up Levels, in the subsurface soils directly adjacent to the reported location of a previously abandoned in-place underground storage tank located directly north of the northern maintenance/service garage portion of the on-site dealership building and in the center of the asphalt surfaced driveway.

3 The results of this environmental investigation reported no presence of diesel fuel, and/or lube oil (hydraulic oil) range T.P.H., at levels exceeding MTCA Method A Clean up Levels, in the subsurface soils directly adjacent to the five (5) underground hydraulic lift systems located in the northern maintenance/service garage portion of the on-site dealership building and/or soils present at the reported location of the previously removed underground hydraulic lift system located near the southern end of the eastern maintenance/service garage.

4. The results of this environmental investigation indicate that the recognized environmental conditions present on selected portions of the subject property have had a significant adverse impact on the current environmental integrity of the subject property.

5. The confirmed presence of gasoline range T.P.H. and B.T.E.X.s in the subsurface soils and groundwater on selected portions of the subject property will be properly reported to the Department of Ecology's – Toxics Clean Up Program

### 5.2 Consultant's Recommendations

1. The Site should be entered into Ecology's Voluntary Clean Up Program.

2. All on-site soils and groundwater containing gasoline range T.P.H. and B.T.E.X.s, at levels exceeding applicable MTCA Clean Up Levels, should be treated on-site using RegeNox and ORC Advanced.

Excavation of the on-site petroleum contaminated soils could potentially have an adverse impact on the structural integrity of the southeastern portion of the on-site commercial building, underground utilities in the immediate area, and parking lot lighting fixtures/posts in the immediate area.

3. A minimum of three (3) groundwater monitoring wells should be installed at appropriate locations on the site. As per Ecology's guidelines, the groundwater beneath the site

should be monitored on a quarterly basis until laboratory analyses results for obtained groundwater samples report no presence of total petroleum hydrocarbons and/or BT.E.X.s at levels that exceed MTCA Method A Clean Up Levels for four (4) consecutive quarters.

4. A Proposed Remedial and Corrective Actions Work Plan, with estimated costs, should be submitted to all interested parties for comments and approval.

5. All completed remedial and corrective action project results should be documented in a Remedial and Corrective Actions Report that will be properly distributed to all interested parties and appropriate regulatory agencies.

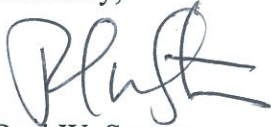
**All remedial investigations performed on this site meet current industry and regulatory standards for these actions.**

**All opinions, observations, and statements set forth in this report are based on currently available information and the provider is not responsible for the absolute accuracy or completeness of this information.**

**All opinions, observations, and statements set forth in this report are based current on-site conditions, and the reporter cannot predict or report on the impacts of ongoing activities, changing conditions, future events and/or revised regulatory requirements on this site.**

If you have any questions or need further information please feel free to contact us at the above phone number.

Sincerely,



Paul W. Stemen  
Ecology-Registered Site Assessment Supervisor  
ASTM Certified  
IFCI #0874201-U2



**MICHAEL A. KOROSEC**

*Reviewed 3/6/13*  
*Michael A Korosec*

## **APPENDIX A**

# **LABORATORY ANALYSES CHARTS, SAMPLE LOCATION MAP, SITE PHOTO AND TEST PIT LOGS**

BURIEN CHEVROLET

ANALYSIS OF GASOLINE RANGE ORGANICS AND BTEX IN SOIL BY METHOD NWTPH-GX/8260C/5035A													
SAMPLE NUMBER	SAMPLE DATE	DEPTH	BENZENE	TOLUENE	ETHYL- BENZENE	TOTAL XYLENES	GASOLINE RANGE ORGANICS	DIESEL RANGE ORGANICS	LUBE OIL RANGE ORGANICS				
			mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg				
S-1-13	2/7/13	13'	ND	ND	0.73	2.5	270	ND	ND				
S-1-20	2/7/13	20'	0.07	10	13	77	1700	ND	ND				
S-2-10	2/7/13	10'	ND	ND	ND	ND	ND	ND	ND				
S-3-10	2/7/13	10'	ND	ND	ND	ND	ND	ND	ND				
S-4-12	2/7/13	12'	NA	NA	NA	NA	NA	ND	ND				
S-5-12	2/7/13	12'	NA	NA	NA	NA	ND	ND	ND				
L-1-10	2/7/13	10'	NA	NA	NA	NA	NA	ND	ND				
L-2-10	2/7/13	10'	NA	NA	NA	NA	NA	ND	ND				
L-3-10	2/7/13	10'	NA	NA	NA	NA	NA	ND	ND				
L-4-10	2/7/13	10'	NA	NA	NA	NA	NA	ND	ND				
L-5-10	2/7/13	10'	NA	NA	NA	NA	NA	ND	ND				
DS1-10	2/8/13	10'	ND	ND	ND	ND	ND	NA	NA				
DS1-14	2/8/13	14'	ND	ND	ND	ND	11	NA	NA				
DS1-16	2/8/13	16	ND	ND	ND	ND	34	NA	NA				
DS1-18	2/8/13	18'	ND	ND	ND	ND	ND	NA	NA				
DS1-20	2/8/13	20'	ND	ND	ND	ND	ND	NA	NA				
DS2-14	2/8/13	14'	ND	ND	0.3	0.29	250	NA	NA				
DS2-16	2/8/13	16'	ND	ND	ND	ND	ND	NA	NA				
DS2-18	2/8/13	18'	ND	ND	ND	ND	ND	NA	NA				
DS2-20	2/8/13	20'	ND	ND	ND	ND	ND	NA	NA				
DS3-14	2/8/13	14'	ND	ND	ND	ND	ND	NA	NA				
DS3-18	2/8/13	18'	ND	ND	ND	ND	ND	NA	NA				
DS4-18	2/8/13	18'	ND	ND	ND	ND	ND	NA	NA				
DS5-10	2/8/13	10'	ND	ND	ND	ND	12	NA	NA				
DS5-17	2/8/13	17'	ND	ND	ND	ND	ND	NA	NA				
DS6-18	2/8/13	18'	ND	ND	ND	ND	ND	NA	NA				
DS7-16	2/8/13	16'	ND	ND	ND	ND	ND	NA	NA				
REPORTING LIMITS			0.02	0.05	0.05	0.15	10	50	100				
METHOD A CLEANUP LEVELS			0.03	7	6	9	30	2000	2000				
NA=NOT ANALYZED													

[illegible]

SITE PHOTOS

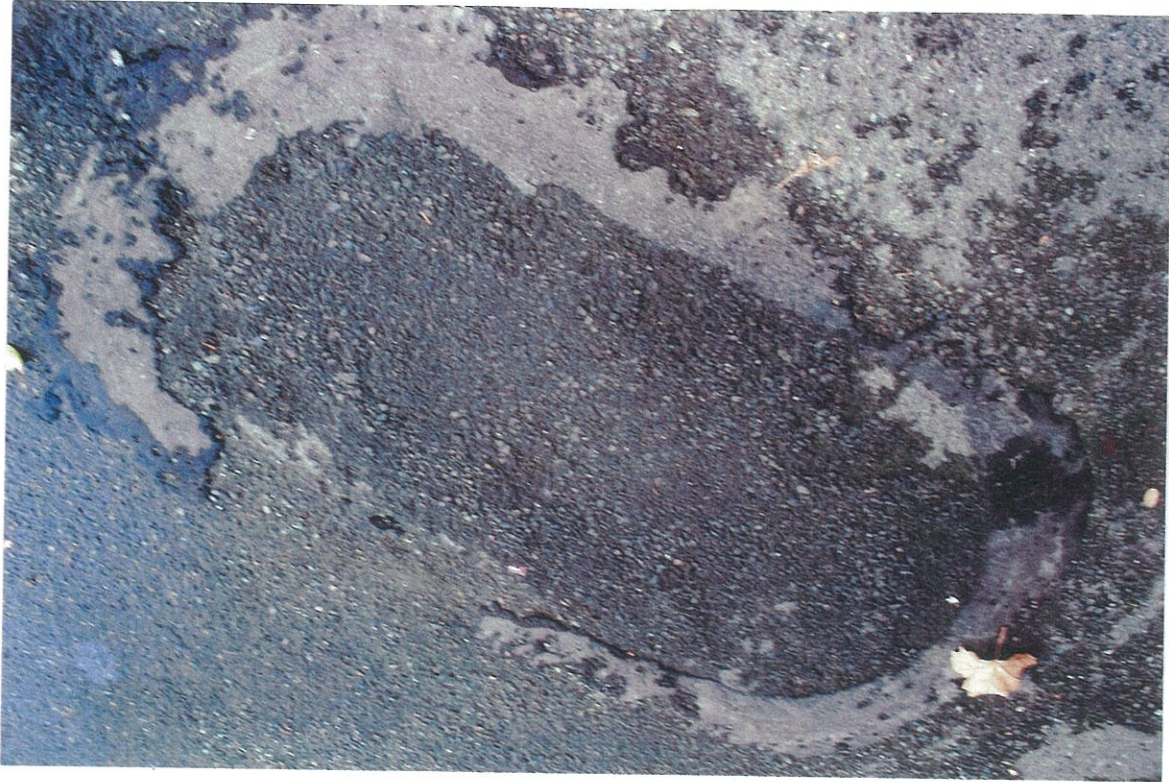


IN SERVICE UNDERGROUND HYDRAULIC LIFT SYSTEM L1



OUT OF SERVICE UNDERGROUND HYDRAULIC LIFT SYSTEM L3

SITE PHOTO



LOCATION OF ABANDONED IN-PLACE UNDERGROUND STORAGE TANK

Please print, sign and return to the Department of Ecology

# RESOURCE PROTECTION WELL REPORT

CURRENT Notice of Intent No. SE46913

(SUBMIT ONE WELL REPORT PER WELL INSTALLED)

Construction/Decommission ("x" in box)

- ☒ Construction  
☐ Decommission

ORIGINAL INSTALLATION Notice of Intent Number: \_\_\_\_\_

Consulting Firm \_\_\_\_\_

Unique Ecology Well IDTag No. 5-2

WELL CONSTRUCTION CERTIFICATION: I constructed and/or accept responsibility for construction of this well, and its compliance with all Washington well construction standards. Materials used and the information reported above are true to my best knowledge and belief.

☒ Driller ☐ Engineer ☐ Trainee

Name (Print Last, First Name) haun, Marty

Driller/Engineer /Trainee Signature [Signature]

Driller or Trainee License No. 2827

If trainee, licensed driller's Signature and License Number: \_\_\_\_\_

Type of Well ("x" in box)

- ☒ Resource Protection  
☐ Geotech Soil Boring

Property Owner Burien Chevrolet

Site Address 14400 1<sup>st</sup> Ave S

City Burien County King

Location NW1/4-1/4 NW1/4 Sec 20 Twn 23 R 04

EWM ☒ or WWM ☐

Lat/Long (s, t, r still REQUIRED) Lat Deg \_\_\_\_\_ Min \_\_\_\_\_ Sec \_\_\_\_\_  
Long Deg \_\_\_\_\_ Min \_\_\_\_\_ Sec \_\_\_\_\_

Tax Parcel No. 1760600061

Cased or Uncased Diameter 2.25" Static Level N/A

Work/Decommission Start Date 12/7/12

Work/Decommission Completed Date 12/7/12

## Construction Design

## Well Data

## Formation Description

Surface Seal: ASPHALT

Drilling Method: DIRECT PUSH

Boring Diameter: 2.25"

Backfill: BLW WHITE

Boring Depth: 12'

φ-7'  
BRN SAND w/ SOME GRAVEL  
7'-12'  
BRN/GRY SAND w/ SOME GRAVEL

Please print, sign and return to the Department of Ecology

# RESOURCE PROTECTION WELL REPORT

CURRENT Notice of Intent No. SE46913

(SUBMIT ONE WELL REPORT PER WELL INSTALLED)

Construction/Decommission ("x" in box)

- ☒ Construction  
☐ Decommission

ORIGINAL INSTALLATION Notice of Intent Number: \_\_\_\_\_

Consulting Firm \_\_\_\_\_

Unique Ecology Well IDTag No. L-3

WELL CONSTRUCTION CERTIFICATION: I constructed and/or accept responsibility for construction of this well, and its compliance with all Washington well construction standards. Materials used and the information reported above are true to my best knowledge and belief.

☒ Driller ☐ Engineer ☐ Trainee

Name (Print Last, First Name) haun, Marty

Driller/Engineer /Trainee Signature [Signature]

Driller or Trainee License No. 2827

If trainee, licensed driller's Signature and License Number: \_\_\_\_\_

Type of Well ("x" in box)

- ☒ Resource Protection  
☐ Geotech Soil Boring

Property Owner Burien Chevrolet

Site Address 14400 1<sup>st</sup> Ave S

City Burien County King

Location NW1/4-1/4 NW1/4 Sec 20 Twn 23 R 04

EWM ☒ or WWM ☐

Lat/Long (s, t, r) Lat Deg \_\_\_\_\_ Min \_\_\_\_\_ Sec \_\_\_\_\_

still REQUIRED) Long Deg \_\_\_\_\_ Min \_\_\_\_\_ Sec \_\_\_\_\_

Tax Parcel No. 1760600061

Cased or Uncased Diameter 2.25" Static Level N/A

Work/Decommission Start Date 12/7/12

Work/Decommission Completed Date 12/7/12

## Construction Design

## Well Data

## Formation Description

Surface Seal: CEMENT

Drilling Method: DIRECT PUSIT

Boring Diameter: 2.25"

Backfill: BLWDEVITE

Boring Depth: \_\_\_\_\_

Ø-6'  
BRA SAND w/ SOME GRAVEL  
6'-10'  
BRA/GRY SAND w/ SOME GRAVEL

Please print, sign and return to the Department of Ecology

# RESOURCE PROTECTION WELL REPORT

CURRENT Notice of Intent No. SE46913

(SUBMIT ONE WELL REPORT PER WELL INSTALLED)

Construction/Decommission ("x" in box)

- ☒ Construction  
☐ Decommission

ORIGINAL INSTALLATION Notice of Intent Number: \_\_\_\_\_

Consulting Firm \_\_\_\_\_

Unique Ecology Well ID Tag No. L-4

WELL CONSTRUCTION CERTIFICATION: I constructed and/or accept responsibility for construction of this well, and its compliance with all Washington well construction standards. Materials used and the information reported above are true to my best knowledge and belief.

☒ Driller ☐ Engineer ☐ Trainee

Name (Print Last, First Name) haun, Marty

Driller/Engineer /Trainee Signature \_\_\_\_\_

Driller or Trainee License No. 2827

If trainee, licensed driller's Signature and License Number: \_\_\_\_\_

Type of Well ("x" in box)

- ☒ Resource Protection  
☐ Geotech Soil Boring

Property Owner Burien Chevrolet

Site Address 14400 1<sup>st</sup> Ave S

City Burien County King

Location NW1/4-1/4 NW1/4 Sec 20 Twn 23 R 04

EWM ☒ or WWM ☐

Lat/Long (s, t, r still REQUIRED) Lat Deg \_\_\_\_\_ Min \_\_\_\_\_ Sec \_\_\_\_\_  
Long Deg \_\_\_\_\_ Min \_\_\_\_\_ Sec \_\_\_\_\_

Tax Parcel No. 1760600061

Cased or Uncased Diameter 2.25" Static Level N/A

Work/Decommission Start Date 12/7/12

Work/Decommission Completed Date 12/7/12

## Construction Design

## Well Data

## Formation Description

Surface Seal: CEMENT

Drilling Method: DIRECT PUSH

Boring Diameter: 2.25"

Backfill: BLINDITE

Boring Depth: 10'

0-5'  
BRYN SAND w/ SOME GRAVEL  
5'-10'  
BRYN/GRY SAND w/ SOME GRAVEL

Please print, sign and return to the Department of Ecology

# RESOURCE PROTECTION WELL REPORT

CURRENT Notice of Intent No. SE46913

(SUBMIT ONE WELL REPORT PER WELL INSTALLED)

Construction/Decommission ("x" in box)

☒ Construction

☐ Decommission

ORIGINAL INSTALLATION Notice of Intent Number: \_\_\_\_\_

Consulting Firm \_\_\_\_\_

Unique Ecology Well IDTag No. L-1

WELL CONSTRUCTION CERTIFICATION: I constructed and/or accept responsibility for construction of this well, and its compliance with all Washington well construction standards. Materials used and the information reported above are true to my best knowledge and belief.

☒ Driller ☐ Engineer ☐ Trainee

Name (Print Last, First Name) haun, Marty

Driller/Engineer /Trainee Signature [Signature]

Driller or Trainee License No. 2827

If trainee, licensed driller's Signature and License Number: \_\_\_\_\_

Type of Well ("x" in box)

☒ Resource Protection

☐ Geotech Soil Boring

Property Owner Burien Chevrolet

Site Address 14400 1<sup>st</sup> Ave S

City Burien County King

Location NW1/4-1/4 NW1/4 Sec 20 Twn 23 R 04

EWM ☒ or WWM ☐

Lat/Long (s, t, r Lat Deg \_\_\_\_\_ Min \_\_\_\_\_ Sec \_\_\_\_\_

still REQUIRED) Long Deg \_\_\_\_\_ Min \_\_\_\_\_ Sec \_\_\_\_\_

Tax Parcel No. 1760600061

Cased or Uncased Diameter 2.25" Static Level N/A

Work/Decommission Start Date 12/7/12

Work/Decommission Completed Date 12/7/12

## Construction Design

## Well Data

## Formation Description

Surface Seal: CEMENT

Drilling Method: DIRECT PUSH

Boring Diameter: 2.25"

Backfill: BLW/BNITE

Boring Depth: 14'

φ-3'  
BON SAND w/ SOME GRAVEL  
3'-10'  
BON/GRY SAND w/ SOME GRAVEL

Please print, sign and return to the Department of Ecology

# RESOURCE PROTECTION WELL REPORT

CURRENT Notice of Intent No. SE46913

(SUBMIT ONE WELL REPORT PER WELL INSTALLED)

Construction/Decommission ("x" in box)

- ☒ Construction  
☐ Decommission

ORIGINAL INSTALLATION Notice of Intent Number: \_\_\_\_\_

Consulting Firm \_\_\_\_\_

Unique Ecology Well IDTag No. L-2

WELL CONSTRUCTION CERTIFICATION: I constructed and/or accept responsibility for construction of this well, and its compliance with all Washington well construction standards. Materials used and the information reported above are true to my best knowledge and belief.

☒ Driller ☐ Engineer ☐ Trainee

Name (Print Last, First Name) haun, Marty

Driller/Engineer /Trainee Signature [Signature]

Driller or Trainee License No. 2827

If trainee, licensed driller's Signature and License Number: \_\_\_\_\_

Type of Well ("x" in box)

- ☒ Resource Protection  
☐ Geotech Soil Boring

Property Owner Burien Chevrolet

Site Address 14400 1<sup>st</sup> Ave S

City Burien County King

Location NW1/4-1/4 NW1/4 Sec 20 Twn 23 R 04

EWM ☒ or WWM ☐

Lat/Long (s, t, r still REQUIRED) Lat Deg \_\_\_\_\_ Min \_\_\_\_\_ Sec \_\_\_\_\_  
Long Deg \_\_\_\_\_ Min \_\_\_\_\_ Sec \_\_\_\_\_

Tax Parcel No. 1760600061

Cased or Uncased Diameter 2.25" Static Level N/A

Work/Decommission Start Date 12/7/12

Work/Decommission Completed Date 12/7/12

## Construction Design

## Well Data

## Formation Description

Surface Seal: CEMENT

Drilling Method: DIRECT PUSH

Boring Diameter: 2.25"

Backfill: BLWDEVITE

Boring Depth: 10'

Φ-2'  
BON SAND w/ SOME GRAVEL  
2'-10'  
BON/GRY SAND w/ SOME GRAVEL

Please print, sign and return to the Department of Ecology

# RESOURCE PROTECTION WELL REPORT

CURRENT Notice of Intent No. SE46913

(SUBMIT ONE WELL REPORT PER WELL INSTALLED)

Construction/Decommission ("x" in box)

☒ Construction

☐ Decommission

ORIGINAL INSTALLATION Notice of Intent Number: \_\_\_\_\_

Consulting Firm \_\_\_\_\_

Unique Ecology Well IDTag No. L-5

WELL CONSTRUCTION CERTIFICATION: I constructed and/or accept responsibility for construction of this well, and its compliance with all Washington well construction standards. Materials used and the information reported above are true to my best knowledge and belief.

☒ Driller ☐ Engineer ☐ Trainee

Name (Print Last, First Name) haun, Marty

Driller/Engineer /Trainee Signature [Signature]

Driller or Trainee License No. 2827

If trainee, licensed driller's Signature and License Number: \_\_\_\_\_

Type of Well ("x" in box)

☒ Resource Protection

☐ Geotech Soil Boring

Property Owner Burien Chevrolet

Site Address 14400 1<sup>st</sup> Ave S

City Burien County King

Location NW1/4-1/4 NW1/4 Sec 20 Twn 23 R 04

EWM ☒ or WWM ☐

Lat/Long (s, t, r Lat Deg \_\_\_\_\_ Min \_\_\_\_\_ Sec \_\_\_\_\_

still REQUIRED) Long Deg \_\_\_\_\_ Min \_\_\_\_\_ Sec \_\_\_\_\_

Tax Parcel No. 1760600061

Cased or Uncased Diameter 2.25" Static Level N/A

Work/Decommission Start Date 12/7/12

Work/Decommission Completed Date 12/7/12

## Construction Design

## Well Data

## Formation Description

Surface Seal: CEMENT

Drilling Method: DIRECT PUSH

Boring Diameter: 2.25"

Backfill: BLWDEVITE

Boring Depth: 10'

0' - 1'  
BKN SAND w/ SOME GRAVEL  
1' - 10'  
BKN/GRY SAND w/ SOME GRAVEL

Please print, sign and return to the Department of Ecology

# RESOURCE PROTECTION WELL REPORT

CURRENT Notice of Intent No. SE46913

(SUBMIT ONE WELL REPORT PER WELL INSTALLED)

Construction/Decommission ("x" in box)

- ☒ Construction  
☐ Decommission

ORIGINAL INSTALLATION Notice of Intent Number: \_\_\_\_\_

Consulting Firm \_\_\_\_\_

Unique Ecology Well IDTag No. S-3

WELL CONSTRUCTION CERTIFICATION: I constructed and/or accept responsibility for construction of this well, and its compliance with all Washington well construction standards. Materials used and the information reported above are true to my best knowledge and belief.

☒ Driller ☐ Engineer ☐ Trainee

Name (Print Last, First Name) haun, Marty

Driller/Engineer /Trainee Signature [Signature]

Driller or Trainee License No. 2827

If trainee, licensed driller's Signature and License Number: \_\_\_\_\_

Type of Well ("x" in box)

- ☒ Resource Protection  
☐ Geotech Soil Boring

Property Owner Burien Chevrolet

Site Address 14400 1<sup>st</sup> Ave S

City Burien County King

Location NW1/4-1/4 NW1/4 Sec 20 Twn 23 R 04

EWM ☒ or WWM ☐

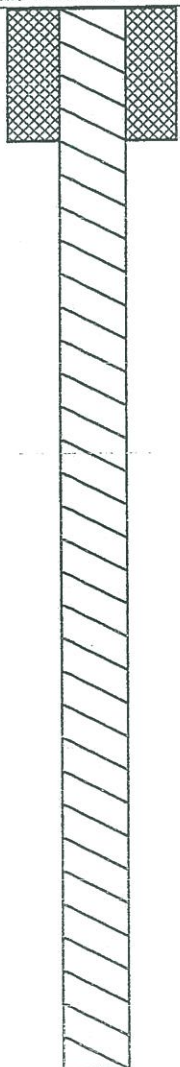
Lat/Long (s, t, r still REQUIRED) Lat Deg \_\_\_\_\_ Min \_\_\_\_\_ Sec \_\_\_\_\_  
Long Deg \_\_\_\_\_ Min \_\_\_\_\_ Sec \_\_\_\_\_

Tax Parcel No. 1760600061

Cased or Uncased Diameter 2.25" Static Level N/A

Work/Decommission Start Date 12/7/12

Work/Decommission Completed Date 12/7/12

Construction Design	Well Data	Formation Description
	Surface Seal: <u>ASPHALT</u> Drilling Method: <u>DIRECT PUSH</u> Boring Diameter: <u>2.25"</u> Backfill: <u>BLWDEVITE</u> Boring Depth: <u>10'</u>	<u>MD - 3</u> <u>BON SAND w/ SOME GRAVEL</u> <u>2' - 10'</u> <u>BON/GRY SAND w/ SOME GRAVEL</u>

SCALE: 1"= \_\_\_\_\_ PAGE 7 OF 9

Please print, sign and return to the Department of Ecology

# RESOURCE PROTECTION WELL REPORT

CURRENT Notice of Intent No. SE46913

(SUBMIT ONE WELL REPORT PER WELL INSTALLED)

Construction/Decommission ("x" in box)

☒ Construction

☐ Decommission

ORIGINAL INSTALLATION Notice of Intent Number: \_\_\_\_\_

Consulting Firm \_\_\_\_\_

Unique Ecology Well IDTag No. S-4

WELL CONSTRUCTION CERTIFICATION: I constructed and/or accept responsibility for construction of this well, and its compliance with all Washington well construction standards. Materials used and the information reported above are true to my best knowledge and belief.

☒ Driller ☐ Engineer ☐ Trainee

Name (Print Last, First Name) haun, Marty

Driller/Engineer /Trainee Signature [Signature]

Driller or Trainee License No. 2827

If trainee, licensed driller's Signature and License Number: \_\_\_\_\_

Type of Well ("x" in box)

☒ Resource Protection

☐ Geotech Soil Boring

Property Owner Burien Chevrolet

Site Address 14400 1<sup>st</sup> Ave S

City Burien County King

Location NW1/4-1/4 NW1/4 Sec 20 Twn 23 R 04

EWM ☒ or WWM ☐

Lat/Long (s, t, r still REQUIRED) Lat Deg \_\_\_\_\_ Min \_\_\_\_\_ Sec \_\_\_\_\_  
Long Deg \_\_\_\_\_ Min \_\_\_\_\_ Sec \_\_\_\_\_

Tax Parcel No. 1760600061

Cased or Uncased Diameter 2.25" Static Level N/A

Work/Decommission Start Date 12/7/12

Work/Decommission Completed Date 12/7/12

Construction Design

Well Data

Formation Description

Surface Seal: CEMENT

Drilling Method: DIRECT PUSH

Boring Diameter: 2.25"

Backfill: BLENDED

Boring Depth: 10'

0-1'  
BKN SAND w/ SOME GRAVEL  
1'-10'  
BKN/GRY SAND w/ SOME GRAVEL

Please print, sign and return to the Department of Ecology

# RESOURCE PROTECTION WELL REPORT

CURRENT Notice of Intent No. SE46913

(SUBMIT ONE WELL REPORT PER WELL INSTALLED)

Construction/Decommission ("x" in box)

- ☒ Construction  
☐ Decommission

ORIGINAL INSTALLATION Notice of Intent Number: \_\_\_\_\_

Consulting Firm \_\_\_\_\_

Unique Ecology Well IDTag No. 5-5

WELL CONSTRUCTION CERTIFICATION: I constructed and/or accept responsibility for construction of this well, and its compliance with all Washington well construction standards. Materials used and the information reported above are true to my best knowledge and belief.

☒ Driller ☐ Engineer ☐ Trainee

Name (Print Last, First Name) haun, Marty

Driller/Engineer/Trainee Signature [Signature]

Driller or Trainee License No. 2827

If trainee, licensed driller's Signature and License Number: \_\_\_\_\_

Type of Well ("x" in box)

- ☒ Resource Protection  
☐ Geotech Soil Boring

Property Owner Burien Chevrolet

Site Address 14400 1<sup>st</sup> Ave S

City Burien County King

Location NW1/4-1/4 NW1/4 Sec 20 Twn 23 R 04

EWM ☒ or WWM ☐

Lat/Long (s, t, r still REQUIRED) Lat Deg \_\_\_\_\_ Min \_\_\_\_\_ Sec \_\_\_\_\_  
Long Deg \_\_\_\_\_ Min \_\_\_\_\_ Sec \_\_\_\_\_

Tax Parcel No. 1760600061

Cased or Uncased Diameter 2.25" Static Level N/A

Work/Decommission Start Date 12/7/12

Work/Decommission Completed Date 12/7/12

Construction Design

Well Data

Formation Description

Surface Seal: ASPHALT

Drilling Method: DIRECT PUSH

Boring Diameter: 2.25"

Backfill: BL/WHITE

Boring Depth: 12'

0-4'  
BROWN SAND w/ SOME GRAVEL  
4'-12'  
BROWN/GRAY SAND w/ SOME GRAVEL

Please print, sign and return to the Department of Ecology

# RESOURCE PROTECTION WELL REPORT

CURRENT Notice of Intent No. AE19984

(SUBMIT ONE WELL REPORT PER WELL INSTALLED)

Construction/Decommission ("x" in box)

- ☐ Construction  
☒ Decommission

Type of Well ("x" in box)

- ☒ Resource Protection  
☐ Geotech Soil Boring

ORIGINAL INSTALLATION Notice of Intent Number:

SE46913

Consulting Firm \_\_\_\_\_

Unique Ecology Well IDTag No. 5-2

WELL CONSTRUCTION CERTIFICATION: I constructed and/or accept responsibility for construction of this well, and its compliance with all Washington well construction standards. Materials used and the information reported above are true to my best knowledge and belief.

☒ Driller ☐ Engineer ☐ Trainee

Name (Print Last, First Name) Haun, Marty

Driller/Engineer /Trainee Signature [Signature]

Driller or Trainee License No. 2827

If trainee, licensed driller's Signature and License Number:

Property Owner Burien Chevrolet

Site Address 14400 1st Ave S

City Burien County King

Location NW1/4-1/4 NW1/4 Sec 20 Twn 23 R 04

EWM ☒ or WWM ☐

Lat/Long (s, t, r still REQUIRED) Lat Deg \_\_\_\_\_ Min \_\_\_\_\_ Sec \_\_\_\_\_  
Long Deg \_\_\_\_\_ Min \_\_\_\_\_ Sec \_\_\_\_\_

Tax Parcel No. 1760600061

Cased or Uncased Diameter 2-25" Static Level N/A

Work/Decommission Start Date 12/7/12

Work/Decommission Completed Date 12/7/12

Construction Design

Well Data

Formation Description

Boring Diameter: 2-25"

Removed all rods from boring and backfilled with bentonite

Boring Depth: 12'

Please print, sign and return to the Department of Ecology

# RESOURCE PROTECTION WELL REPORT

CURRENT Notice of Intent No. AE19984

(SUBMIT ONE WELL REPORT PER WELL INSTALLED)

Construction/Decommission ("x" in box)

- ☐ Construction  
☒ Decommission

ORIGINAL INSTALLATION Notice of Intent Number:

SE46913

Consulting Firm \_\_\_\_\_

Unique Ecology Well IDTag No. L-3

WELL CONSTRUCTION CERTIFICATION: I constructed and/or accept responsibility for construction of this well, and its compliance with all Washington well construction standards. Materials used and the information reported above are true to my best knowledge and belief.

☒ Driller ☐ Engineer ☐ Trainee

Name (Print Last, First Name) Haun, Marty

Driller/Engineer /Trainee Signature [Signature]

Driller or Trainee License No. 2827

If trainee, licensed driller's Signature and License Number:

Type of Well ("x" in box)

- ☒ Resource Protection  
☐ Geotech Soil Boring

Property Owner Burien Chevrolet

Site Address 14400 1st Ave S

City Burien

County King

Location NW1/4-1/4 NW1/4 Sec 20 Twn 23 R 04

EWM ☒ or WWM ☐

Lat/Long (s, t, r

Lat Deg \_\_\_\_\_ Min \_\_\_\_\_ Sec \_\_\_\_\_

still REQUIRED)

Long Deg \_\_\_\_\_ Min \_\_\_\_\_ Sec \_\_\_\_\_

Tax Parcel No. 1760600061

Cased or Uncased Diameter 2-25" Static Level N/A

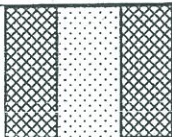
Work/Decommission Start Date 12/7/12

Work/Decommission Completed Date 12/7/12

Construction Design

Well Data

Formation Description



Boring Diameter: 2-25"

Removed all rods from boring and backfilled with bentonite

Boring Depth: 14'

Please print, sign and return to the Department of Ecology

# RESOURCE PROTECTION WELL REPORT

CURRENT Notice of Intent No. AE19984

(SUBMIT ONE WELL REPORT PER WELL INSTALLED)

Construction/Decommission ("x" in box)

☐ Construction

☒ Decommission

ORIGINAL INSTALLATION Notice of Intent Number:

SE46913

Consulting Firm \_\_\_\_\_

Unique Ecology Well IDTag No. L-4

WELL CONSTRUCTION CERTIFICATION: I constructed and/or accept responsibility for construction of this well, and its compliance with all Washington well construction standards. Materials used and the information reported above are true to my best knowledge and belief.

☒ Driller ☐ Engineer ☐ Trainee

Name (Print Last, First Name) Haun, Marty

Driller/Engineer /Trainee Signature [Signature]

Driller or Trainee License No. 2827

If trainee, licensed driller's Signature and License Number:

Type of Well ("x" in box)

☒ Resource Protection

☐ Geotech Soil Boring

Property Owner Burien Chevrolet

Site Address 14400 1st Ave S

City Burien County King

Location NW1/4-1/4 NW1/4 Sec 20 Twn 23 R 04

EWM ☒ or WWM ☐

Lat/Long (s, t, r still REQUIRED) Lat Deg \_\_\_\_\_ Min \_\_\_\_\_ Sec \_\_\_\_\_  
Long Deg \_\_\_\_\_ Min \_\_\_\_\_ Sec \_\_\_\_\_

Tax Parcel No. 1760600061

Cased or Uncased Diameter 2-25" Static Level N/A

Work/Decommission Start Date 12/7/12

Work/Decommission Completed Date 12/7/12

Construction Design

Well Data

Formation Description

Boring Diameter: 2-25"

Removed all rods from boring and backfilled with bentonite

Boring Depth: 10'

Please print, sign and return to the Department of Ecology

# RESOURCE PROTECTION WELL REPORT

CURRENT Notice of Intent No. AE19984

(SUBMIT ONE WELL REPORT PER WELL INSTALLED)

Construction/Decommission ("x" in box)

☐ Construction

☒ Decommission

ORIGINAL INSTALLATION Notice of Intent Number:

SE46913

Consulting Firm \_\_\_\_\_

Unique Ecology Well IDTag No. L-1

WELL CONSTRUCTION CERTIFICATION: I constructed and/or accept responsibility for construction of this well, and its compliance with all Washington well construction standards. Materials used and the information reported above are true to my best knowledge and belief.

☒ Driller ☐ Engineer ☐ Trainee

Name (Print Last, First Name) Haun, Marty

Driller/Engineer /Trainee Signature [Signature]

Driller or Trainee License No. 2827

If trainee, licensed driller's Signature and License Number:

Type of Well ("x" in box)

☒ Resource Protection

☐ Geotech Soil Boring

Property Owner Burien Chevrolet

Site Address 14400 1st Ave S

City Burien County King

Location NW1/4-1/4 NW1/4 Sec 20 Twn 23 R 04

EWM ☒ or WWM ☐

Lat/Long (s, t, r Lat Deg \_\_\_\_\_ Min \_\_\_\_\_ Sec \_\_\_\_\_

still REQUIRED) Long Deg \_\_\_\_\_ Min \_\_\_\_\_ Sec \_\_\_\_\_

Tax Parcel No. 1760600061

Cased or Uncased Diameter 2.25" Static Level N/A

Work/Decommission Start Date 12/7/12

Work/Decommission Completed Date 12/7/12

Construction Design

Well Data

Formation Description

Boring Diameter: 2.25"

Removed all rods from boring and backfilled with bentonite

Boring Depth: 10'

Please print, sign and return to the Department of Ecology

# RESOURCE PROTECTION WELL REPORT

CURRENT Notice of Intent No. AE19984

(SUBMIT ONE WELL REPORT PER WELL INSTALLED)

Construction/Decommission ("x" in box)

☐ Construction

☒ Decommission

ORIGINAL INSTALLATION Notice of Intent Number:

SE46913

Consulting Firm \_\_\_\_\_

Unique Ecology Well IDTag No. L-2

WELL CONSTRUCTION CERTIFICATION: I constructed and/or accept responsibility for construction of this well, and its compliance with all Washington well construction standards. Materials used and the information reported above are true to my best knowledge and belief.

☒ Driller ☐ Engineer ☐ Trainee

Name (Print Last, First Name) Haun, Marty

Driller/Engineer/Trainee Signature [Signature]

Driller or Trainee License No. 2827

If trainee, licensed driller's Signature and License Number:

Type of Well ("x" in box)

☒ Resource Protection

☐ Geotech Soil Boring

Property Owner Burien Chevrolet

Site Address 14400 1st Ave S

City Burien County King

Location NW1/4-1/4 NW1/4 Sec 20 Twn 23 R 04

EWM ☒ or WWM ☐

Lat/Long (s, t, r still REQUIRED) Lat Deg \_\_\_\_\_ Min \_\_\_\_\_ Sec \_\_\_\_\_  
Long Deg \_\_\_\_\_ Min \_\_\_\_\_ Sec \_\_\_\_\_

Tax Parcel No. 1760600061

Cased or Uncased Diameter 2-25" Static Level N/A

Work/Decommission Start Date 12/7/12

Work/Decommission Completed Date 12/7/12

Construction Design

Well Data

Formation Description

Boring Diameter: 2.25"

Removed all rods from boring and backfilled with bentonite

Boring Depth: 16'

Please print, sign and return to the Department of Ecology

# RESOURCE PROTECTION WELL REPORT

CURRENT Notice of Intent No. AE19984

(SUBMIT ONE WELL REPORT PER WELL INSTALLED)

Construction/Decommission ("x" in box)

- ☐ Construction  
☒ Decommission

ORIGINAL INSTALLATION Notice of Intent Number:

SE46913

Consulting Firm \_\_\_\_\_

Unique Ecology Well IDTag No. L-5

WELL CONSTRUCTION CERTIFICATION: I constructed and/or accept responsibility for construction of this well, and its compliance with all Washington well construction standards. Materials used and the information reported above are true to my best knowledge and belief.

☒ Driller ☐ Engineer ☐ Trainee

Name (Print Last, First Name) Haun, Marty

Driller/Engineer /Trainee Signature [Signature]

Driller or Trainee License No. 2827

If trainee, licensed driller's Signature and License Number:

Type of Well ("x" in box)

- ☒ Resource Protection  
☐ Geotech Soil Boring

Property Owner Burien Chevrolet

Site Address 14400 1st Ave S

City Burien County King

Location NW1/4-1/4 NW1/4 Sec 20 Twn 23 R 04

EWM ☒ or WWM ☐

Lat/Long (s, t, r still REQUIRED) Lat Deg \_\_\_\_\_ Min \_\_\_\_\_ Sec \_\_\_\_\_  
Long Deg \_\_\_\_\_ Min \_\_\_\_\_ Sec \_\_\_\_\_

Tax Parcel No. 1760600061

Cased or Uncased Diameter 2.25" Static Level N/A

Work/Decommission Start Date 12/7/12

Work/Decommission Completed Date 12/7/12

Construction Design

Well Data

Formation Description

Boring Diameter: 2.25"

Removed all rods from boring and backfilled with bentonite

Boring Depth: 10'

Please print, sign and return to the Department of Ecology

# RESOURCE PROTECTION WELL REPORT

CURRENT Notice of Intent No. AE19984

(SUBMIT ONE WELL REPORT PER WELL INSTALLED)

Construction/Decommission ("x" in box)

☐ Construction

☒ Decommission

Type of Well ("x" in box)

☒ Resource Protection

☐ Geotech Soil Boring

ORIGINAL INSTALLATION Notice of Intent Number:

SE46913

Consulting Firm \_\_\_\_\_

Unique Ecology Well IDTag No. 5-3

WELL CONSTRUCTION CERTIFICATION: I constructed and/or accept responsibility for construction of this well, and its compliance with all Washington well construction standards. Materials used and the information reported above are true to my best knowledge and belief.

☒ Driller ☐ Engineer ☐ Trainee

Name (Print Last, First Name) Haun, Marty

Driller/Engineer /Trainee Signature [Signature]

Driller or Trainee License No. 2827

If trainee, licensed driller's Signature and License Number:

Property Owner Burien Chevrolet

Site Address 14400 1st Ave S

City Burien County King

Location NW1/4-1/4 NW1/4 Sec 20 Twn 23 R 04

EWM ☒ or WWM ☐

Lat/Long (s, t, r still REQUIRED) Lat Deg \_\_\_\_\_ Min \_\_\_\_\_ Sec \_\_\_\_\_  
Long Deg \_\_\_\_\_ Min \_\_\_\_\_ Sec \_\_\_\_\_

Tax Parcel No. 1760600061

Cased or Uncased Diameter 2.25" Static Level N/A

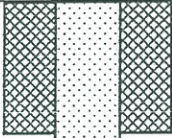
Work/Decommission Start Date 12/7/12

Work/Decommission Completed Date 12/7/12

Construction Design

Well Data

Formation Description



Boring Diameter: 2.25"

Removed all rods from boring and backfilled with bentonite

Boring Depth: 10'

Please print, sign and return to the Department of Ecology

# RESOURCE PROTECTION WELL REPORT

CURRENT Notice of Intent No. AE19984

(SUBMIT ONE WELL REPORT PER WELL INSTALLED)

Construction/Decommission ("x" in box)

- ☐ Construction  
☒ Decommission

Type of Well ("x" in box)

- ☒ Resource Protection  
☐ Geotech Soil Boring

ORIGINAL INSTALLATION Notice of Intent Number:

SE46913

Consulting Firm \_\_\_\_\_

Unique Ecology Well ID Tag No. S-4

WELL CONSTRUCTION CERTIFICATION: I constructed and/or accept responsibility for construction of this well, and its compliance with all Washington well construction standards. Materials used and the information reported above are true to my best knowledge and belief.

☒ Driller ☐ Engineer ☐ Trainee

Name (Print Last, First Name) Haun, Marty

Driller/Engineer /Trainee Signature [Signature]

Driller or Trainee License No. 2827

If trainee, licensed driller's Signature and License Number:

Property Owner Burien Chevrolet

Site Address 14400 1st Ave S

City Burien County King

Location NW1/4-1/4 NW1/4 Sec 20 Twn 23 R 04

EWM ☒ or WWM ☐

Lat/Long (s, t, r still REQUIRED) Lat Deg \_\_\_\_\_ Min \_\_\_\_\_ Sec \_\_\_\_\_  
Long Deg \_\_\_\_\_ Min \_\_\_\_\_ Sec \_\_\_\_\_

Tax Parcel No. 1760600061

Cased or Uncased Diameter 2-25" Static Level N/A

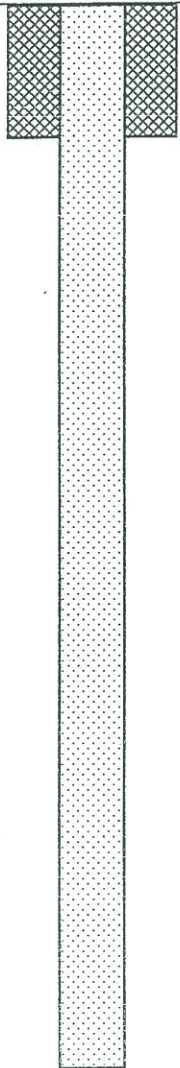
Work/Decommission Start Date 12/7/12

Work/Decommission Completed Date 12/7/12

## Construction Design

## Well Data

## Formation Description

	<p>Boring Diameter: <u>2-25"</u></p> <p>Removed all rods from boring and backfilled with bentonite</p> <p>Boring Depth: <u>10'</u></p>	
--	--	--

SCALE: 1"= \_\_\_\_\_ PAGE 8 OF 9

Please print, sign and return to the Department of Ecology

# RESOURCE PROTECTION WELL REPORT

CURRENT Notice of Intent No. AE19984

(SUBMIT ONE WELL REPORT PER WELL INSTALLED)

Construction/Decommission ("x" in box)

☐ Construction

☒ Decommission

ORIGINAL INSTALLATION Notice of Intent Number:

SE46913

Consulting Firm \_\_\_\_\_

Unique Ecology Well IDTag No. 5-5

WELL CONSTRUCTION CERTIFICATION: I constructed and/or accept responsibility for construction of this well, and its compliance with all Washington well construction standards. Materials used and the information reported above are true to my best knowledge and belief.

☒ Driller ☐ Engineer ☐ Trainee

Name (Print Last, First Name) Haun, Marty

Driller/Engineer /Trainee Signature [Signature]

Driller or Trainee License No. 2827

If trainee, licensed driller's Signature and License Number:

Type of Well ("x" in box)

☒ Resource Protection

☐ Geotech Soil Boring

Property Owner Burien Chevrolet

Site Address 14400 1st Ave S

City Burien County King

Location NW1/4-1/4 NW1/4 Sec 20 Twn 23 R 04

EWM ☒ or WWM ☐

Lat/Long (s, t, r still REQUIRED) Lat Deg \_\_\_\_\_ Min \_\_\_\_\_ Sec \_\_\_\_\_

Long Deg \_\_\_\_\_ Min \_\_\_\_\_ Sec \_\_\_\_\_

Tax Parcel No. 1760600061

Cased or Uncased Diameter 2-25" Static Level N/A

Work/Decommission Start Date 12/7/12

Work/Decommission Completed Date 12/7/12

Construction Design

Well Data

Formation Description

Boring Diameter: 2-25"

Removed all rods from boring and backfilled with bentonite

Boring Depth: 12'

Please print, sign and return to the Department of Ecology

# RESOURCE PROTECTION WELL REPORT

CURRENT Notice of Intent No. EE04338

(SUBMIT ONE WELL REPORT PER WELL INSTALLED)

Construction/Decommission ("x" in box)

- ☒ Construction  
☐ Decommission

Type of Well ("x" in box)

- ☒ Resource Protection  
☐ Geotech Soil Boring

ORIGINAL INSTALLATION Notice of Intent Number:

Consulting Firm \_\_\_\_\_

Unique Ecology Well IDTag No. 5-1

WELL CONSTRUCTION CERTIFICATION: I constructed and/or accept responsibility for construction of this well, and its compliance with all Washington well construction standards. Materials used and the information reported above are true to my best knowledge and belief.

☒ Driller ☐ Engineer ☐ Trainee

Name (Print Last, First Name) Haun, Marty

Driller/Engineer /Trainee Signature [Signature]

Driller or Trainee License No. 2827

If trainee, licensed driller's Signature and License Number:

Property Owner Burien Chevrolet

Site Address 14400 1<sup>st</sup> Ave S

City Burien

County King

Location NW1/4-1/4 NW1/4 Sec 20 Twn 23 R 04

EWM ☒ or WWM ☐

Lat/Long (s, t, r

Lat Deg \_\_\_\_\_ Min \_\_\_\_\_ Sec \_\_\_\_\_

still REQUIRED)

Long Deg \_\_\_\_\_ Min \_\_\_\_\_ Sec \_\_\_\_\_

Tax Parcel No. 1760600061

Cased or Uncased Diameter 2.25" Static Level 16.6'

Work/Decommission Start Date 12/7/12

Work/Decommission Completed Date 12/7/12

## Construction Design

## Well Data

## Formation Description

Drove a retractable stainless steel / PVC screen down to depth and collected a water sample.

Boring Depth: 20'

Screen: 17'-20'

Slot Size: 1/4"

Type: STAINLESS STEEL

Removed all rods and casing from boring and backfilled with bentonite.

0-8'  
BRN SAND w/ SOME GRAVEL

8'-20'  
BRN/GRY SAND w/ SOME GRAVEL

Please print, sign and return to the Department of Ecology

# RESOURCE PROTECTION WELL REPORT

CURRENT Notice of Intent No. AE20080

(SUBMIT ONE WELL REPORT PER WELL INSTALLED)

Construction/Decommission ("x" in box)

- ☐ Construction  
☒ Decommission

Type of Well ("x" in box)

- ☒ Resource Protection  
☐ Geotech Soil Boring

ORIGINAL INSTALLATION Notice of Intent Number:

EE04338

Consulting Firm \_\_\_\_\_

Unique Ecology Well IDTag No. S-1

WELL CONSTRUCTION CERTIFICATION: I constructed and/or accept responsibility for construction of this well, and its compliance with all Washington well construction standards. Materials used and the information reported above are true to my best knowledge and belief.

☒ Driller ☐ Engineer ☐ Trainee

Name (Print Last, First Name) Marty. Haun

Driller/Engineer /Trainee Signature [Signature]

Driller or Trainee License No. 2827

If trainee, licensed driller's Signature and License Number:

Property Owner Burien Chevrolet

Site Address 14400 1<sup>st</sup> Ave S

City Burien County King

Location NW1/4-1/4 NW1/4 Sec 20 Twn 23 R 04

EWM ☒ or WWM ☐

Lat/Long (s, t, r Lat Deg \_\_\_\_\_ Min \_\_\_\_\_ Sec \_\_\_\_\_

still REQUIRED)

Long Deg \_\_\_\_\_ Min \_\_\_\_\_ Sec \_\_\_\_\_

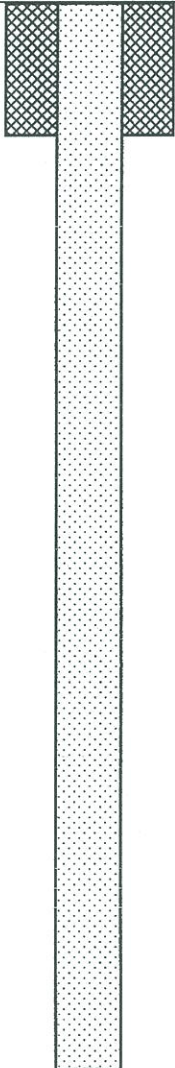
Tax Parcel No. 1760600061

Cased or Uncased Diameter 2.25" Static Level 16.6'

Work/Decommission Start Date 12/7/12

Work/Decommission Completed Date 12/7/12

## Construction Design



## Well Data

Boring Diameter: 2.25"

Removed all rods from boring and backfilled with bentonite

Boring Depth: 20'

## Formation Description

SCALE: 1"= \_\_\_\_\_ PAGE 1 OF 1

Please print, sign and return to the Department of Ecology

# RESOURCE PROTECTION WELL REPORT

CURRENT Notice of Intent No. EE04387

(SUBMIT ONE WELL REPORT PER WELL INSTALLED)

Construction/Decommission ("x" in box)

- ☒ Construction  
☐ Decommission

ORIGINAL INSTALLATION Notice of Intent Number: \_\_\_\_\_

Consulting Firm \_\_\_\_\_

Unique Ecology Well IDTag No. DS-1

WELL CONSTRUCTION CERTIFICATION: I constructed and/or accept responsibility for construction of this well, and its compliance with all Washington well construction standards. Materials used and the information reported above are true to my best knowledge and belief.

☒ Driller ☐ Engineer ☐ Trainee

Name (Print Last, First Name) Haun, Martin

Driller/Engineer/Trainee Signature [Signature]

Driller or Trainee License No. 2827

If trainee, licensed driller's Signature and License Number: \_\_\_\_\_

Type of Well ("x" in box)

- ☒ Resource Protection  
☐ Geotech Soil Boring

Property Owner Burien Chevrolet

Site Address 14406 1st Ave S

City Burien County King

Location NW1/4-1/4 NW1/4 Sec 20 Twn 23 R 4

EWM ☒ or WWM ☐

Lat/Long (s, t, r) Lat Deg \_\_\_\_\_ Min \_\_\_\_\_ Sec \_\_\_\_\_

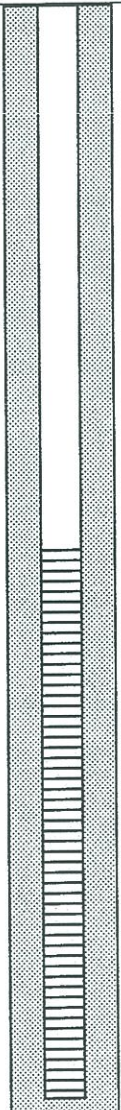
still REQUIRED) Long Deg \_\_\_\_\_ Min \_\_\_\_\_ Sec \_\_\_\_\_

Tax Parcel No. 1760600061

Cased or Uncased Diameter 2.25" Static Level 19'

Work/Decommission Start Date 2/6/2013

Work/Decommission Completed Date 2/6/2013

Construction Design	Well Data	Formation Description
	<p>Drove a retractable <u>stainless steel</u> PVC screen down to depth and collected a water sample.</p> <p>Boring Depth: <u>22'</u></p> <p>Screen: <u>21'-24'</u></p> <p>Slot Size: <u>.010</u></p> <p>Type: <u>STAINLESS STEEL</u></p> <p>Removed all rods and casing from boring and backfilled with bentonite.</p>	<p><u>0-4'</u> BRN SAND w/SOME GRAVEL</p> <p><u>4'-24'</u> LT GRAY/BRN MED-FINE SAND w/SOME GRAVEL</p>

SCALE: 1"= \_\_\_\_\_ PAGE 1 OF 2

Please print, sign and return to the Department of Ecology

# RESOURCE PROTECTION WELL REPORT

CURRENT Notice of Intent No. EE04387

(SUBMIT ONE WELL REPORT PER WELL INSTALLED)

Construction/Decommission ("x" in box)

☒ Construction

☐ Decommission

ORIGINAL INSTALLATION Notice of Intent Number: \_\_\_\_\_

Consulting Firm \_\_\_\_\_

Unique Ecology Well IDTag No. DS-7

WELL CONSTRUCTION CERTIFICATION: I constructed and/or accept responsibility for construction of this well, and its compliance with all Washington well construction standards. Materials used and the information reported above are true to my best knowledge and belief.

☒ Driller ☐ Engineer ☐ Trainee

Name (Print Last, First Name) Haun, Martin

Driller/Engineer /Trainee Signature [Signature]

Driller or Trainee License No. 2827

If trainee, licensed driller's Signature and License Number: \_\_\_\_\_

Type of Well ("x" in box)

☒ Resource Protection

☐ Geotech Soil Boring

Property Owner Burien Chevrolet

Site Address 14406 1st Ave S

City Burien County King

Location NW1/4-1/4 NW1/4 Sec 20 Twn 23 R 4

EWM ☒ or WWM ☐

Lat/Long (s, t, r still REQUIRED) Lat Deg \_\_\_\_\_ Min \_\_\_\_\_ Sec \_\_\_\_\_  
Long Deg \_\_\_\_\_ Min \_\_\_\_\_ Sec \_\_\_\_\_

Tax Parcel No. 1760600061

Cased or Uncased Diameter 2.25" Static Level 18'

Work/Decommission Start Date 2/6/2013

Work/Decommission Completed Date 2/6/2013

## Construction Design

## Well Data

## Formation Description

Drove a retractable stainless steel PVC screen down to depth and collected a water sample.

Boring Depth: 20'

Screen: 17'-20'

Slot Size: 1/8"

Type: STAINLESS STEEL

Removed all rods and casing from boring and backfilled with bentonite.

0-4'  
BRN SAND w/SOME GRAVEL

4'-20'  
LT GRAY/BRN MED-FINE SAND  
w/SOME GRAVEL

Please print, sign and return to the Department of Ecology

# RESOURCE PROTECTION WELL REPORT

CURRENT Notice of Intent No. AE20542

SUBMIT ONE WELL REPORT PER WELL INSTALLED)

Construction/Decommission ("x" in box)

- ☐ Construction  
☒ Decommission

ORIGINAL INSTALLATION Notice of Intent Number:

3E04387

Consulting Firm \_\_\_\_\_

Unique Ecology Well IDTag No. DS-1

WELL CONSTRUCTION CERTIFICATION: I constructed and/or accept responsibility for construction of this well, and its compliance with all Washington well construction standards. Materials used and the information reported above are true to my best knowledge and belief.

☒ Driller ☐ Engineer ☐ Trainee

Name (Print Last, First Name) Haun, Martin

Driller/Engineer /Trainee Signature \_\_\_\_\_

Driller or Trainee License No. 2827

If trainee, licensed driller's Signature and License Number:

Type of Well ("x" in box)

- ☒ Resource Protection  
☐ Geotech Soil Boring

Property Owner Burien Chevrolet

Site Address 14406 1st Ave S

City Burien County King

Location NW1/4-1/4 NW1/4 Sec 20 Twn 23 R 4

EWM ☒ or WWM ☐

Lat/Long (s, t, r still REQUIRED) Lat Deg \_\_\_\_\_ Min \_\_\_\_\_ Sec \_\_\_\_\_  
Long Deg \_\_\_\_\_ Min \_\_\_\_\_ Sec \_\_\_\_\_

Tax Parcel No. 1760600061

Cased or Uncased Diameter 2.25" Static Level 19'

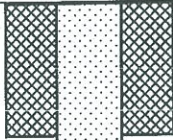
Work/Decommission Start Date 2/6/2013

Work/Decommission Completed Date 2/6/2013

Construction Design

Well Data

Formation Description



Boring Diameter: 2.25"

Removed all rods from boring and backfilled with bentonite

Boring Depth: 24'

Please print, sign and return to the Department of Ecology

# RESOURCE PROTECTION WELL REPORT

CURRENT Notice of Intent No. AE20542

(SUBMIT ONE WELL REPORT PER WELL INSTALLED)

Construction/Decommission ("x" in box)

- ☐ Construction  
☒ Decommission

ORIGINAL INSTALLATION Notice of Intent Number:

EE04387

Consulting Firm \_\_\_\_\_

Unique Ecology Well IDTag No. DS-7

WELL CONSTRUCTION CERTIFICATION: I constructed and/or accept responsibility for construction of this well, and its compliance with all Washington well construction standards. Materials used and the information reported above are true to my best knowledge and belief.

☒ Driller ☐ Engineer ☐ Trainee

Name (Print Last, First Name) Haun, Martin

Driller/Engineer /Trainee Signature \_\_\_\_\_

Driller or Trainee License No. 2827

If trainee, licensed driller's Signature and License Number:

Type of Well ("x" in box)

- ☒ Resource Protection  
☐ Geotech Soil Boring

Property Owner Burien Chevrolet

Site Address 14406 1st Ave S

City Burien County King

Location NW1/4-1/4 NW1/4 Sec 20 Twn 23 R 4

EWM ☒ or WWM ☐

Lat/Long (s, t, r) Lat Deg \_\_\_\_\_ Min \_\_\_\_\_ Sec \_\_\_\_\_  
still REQUIRED) Long Deg \_\_\_\_\_ Min \_\_\_\_\_ Sec \_\_\_\_\_

Tax Parcel No. 1760600061

Cased or Uncased Diameter 2.25" Static Level 18'

Work/Decommission Start Date 2/6/2013

Work/Decommission Completed Date 2/6/2013

## Construction Design

## Well Data

## Formation Description

Boring Diameter: 2.25"

Removed all rods from boring and backfilled with bentonite

Boring Depth: 20'

Please print, sign and return to the Department of Ecology

# RESOURCE PROTECTION WELL REPORT

CURRENT Notice of Intent No. SE47319

(SUBMIT ONE WELL REPORT PER WELL INSTALLED)

Construction/Decommission ("x" in box)

- ☒ Construction  
☐ Decommission

ORIGINAL INSTALLATION Notice of Intent Number:

Consulting Firm \_\_\_\_\_

Unique Ecology Well IDTag No. DS-2

WELL CONSTRUCTION CERTIFICATION: I constructed and/or accept responsibility for construction of this well, and its compliance with all Washington well construction standards. Materials used and the information reported above are true to my best knowledge and belief.

☒ Driller ☐ Engineer ☐ Trainee

Name (Print Last, First Name) Haun, Martin

Driller/Engineer /Trainee Signature [Signature]

Driller or Trainee License No. 2827

If trainee, licensed driller's Signature and License Number:

Type of Well ("x" in box)

- ☒ Resource Protection  
☐ Geotech Soil Boring

Property Owner Burien Chevrolet

Site Address 14406 1st Ave S

City Burien County King

Location NW1/4-1/4 NW1/4 Sec 20 Twn 23 R 4

EWM ☒ or WWM ☐

Lat/Long (s, t, r Lat Deg \_\_\_\_\_ Min \_\_\_\_\_ Sec \_\_\_\_\_

still REQUIRED) Long Deg \_\_\_\_\_ Min \_\_\_\_\_ Sec \_\_\_\_\_

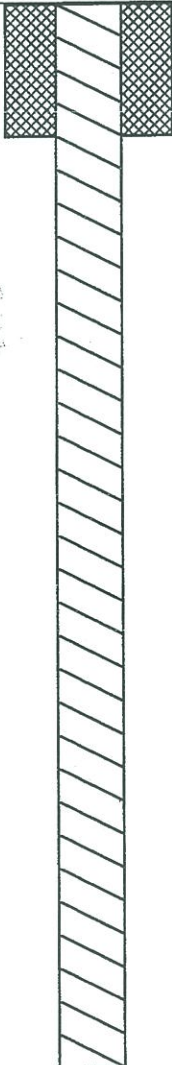
Tax Parcel No. 1760600061

Cased or Uncased Diameter 2.25" Static Level N/A

Work/Decommission Start Date 2/6/2013

Work/Decommission Completed Date 2/6/2013

## Construction Design



## Well Data

Surface Seal: ASPHALT

Drilling Method: DIRECT PUSH

Boring Diameter: 2.25"

Backfill: BENTONITE

Boring Depth: 20'

## Formation Description

0-4'  
BRN SAND w/SOME GRAVEL  
4'-20'  
LT GRAY/BRN MED-FINE SAND  
w/SOME GRAVEL

Please print, sign and return to the Department of Ecology

# RESOURCE PROTECTION WELL REPORT

CURRENT Notice of Intent No. SE47319

(SUBMIT ONE WELL REPORT PER WELL INSTALLED)

Construction/Decommission ("x" in box)

- ☒ Construction  
☐ Decommission

ORIGINAL INSTALLATION Notice of Intent Number: \_\_\_\_\_

Consulting Firm \_\_\_\_\_

Unique Ecology Well IDTag No. DS-3

WELL CONSTRUCTION CERTIFICATION: I constructed and/or accept responsibility for construction of this well, and its compliance with all Washington well construction standards. Materials used and the information reported above are true to my best knowledge and belief.

☒ Driller ☐ Engineer ☐ Trainee

Name (Print Last, First Name) Haun, Martin

Driller/Engineer /Trainee Signature [Signature]

Driller or Trainee License No. 2827

If trainee, licensed driller's Signature and License Number: \_\_\_\_\_

Type of Well ("x" in box)

- ☒ Resource Protection  
☐ Geotech Soil Boring

Property Owner Burien Chevrolet

Site Address 14406 1st Ave S

City Burien County King

Location NW1/4-1/4 NW1/4 Sec 20 Twn 23 R 4

EWM ☒ or WWM ☐

Lat/Long (s, t, r still REQUIRED) Lat Deg \_\_\_\_\_ Min \_\_\_\_\_ Sec \_\_\_\_\_  
Long Deg \_\_\_\_\_ Min \_\_\_\_\_ Sec \_\_\_\_\_

Tax Parcel No. 1760600061

Cased or Uncased Diameter 2.25" Static Level N/A

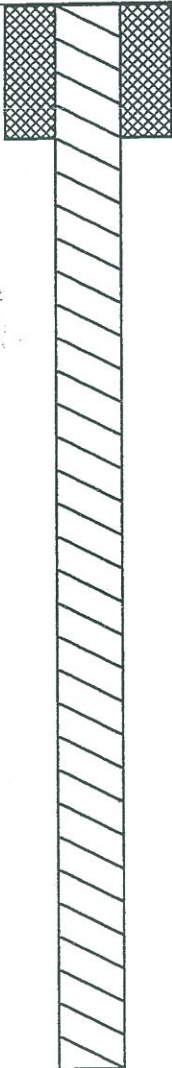
Work/Decommission Start Date 2/6/2013

Work/Decommission Completed Date 2/6/2013

Construction Design

Well Data

Formation Description



Surface Seal: ASPHALT

Drilling Method: DIRECT PUSH

Boring Diameter: 2.25"

Backfill: BENTONITE

Boring Depth: 18'

Ø-4'  
BRN SAND W/SOME GRAVEL  
4'-18'  
LT GRAY/BRN MED-FINE SAND  
w/ SOME GRAVEL

Please print, sign and return to the Department of Ecology

# RESOURCE PROTECTION WELL REPORT

CURRENT Notice of Intent No. SE47319

(SUBMIT ONE WELL REPORT PER WELL INSTALLED)

Construction/Decommission ("x" in box)

☒ Construction

☐ Decommission

ORIGINAL INSTALLATION Notice of Intent Number: \_\_\_\_\_

Consulting Firm \_\_\_\_\_

Unique Ecology Well IDTag No. DS-4

WELL CONSTRUCTION CERTIFICATION: I constructed and/or accept responsibility for construction of this well, and its compliance with all Washington well construction standards. Materials used and the information reported above are true to my best knowledge and belief.

☒ Driller ☐ Engineer ☐ Trainee

Name (Print Last, First Name) Haun, Martin

Driller/Engineer /Trainee Signature [Signature]

Driller or Trainee License No. 2827

If trainee, licensed driller's Signature and License Number: \_\_\_\_\_

Type of Well ("x" in box)

☒ Resource Protection

☐ Geotech Soil Boring

Property Owner Burien Chevrolet

Site Address 14406 1st Ave S

City Burien County King

Location NW1/4-1/4 NW1/4 Sec 20 Twn 23 R 4

EWM ☒ or WWM ☐

Lat/Long (s, t, r Lat Deg \_\_\_\_\_ Min \_\_\_\_\_ Sec \_\_\_\_\_

still REQUIRED)

Long Deg \_\_\_\_\_ Min \_\_\_\_\_ Sec \_\_\_\_\_

Tax Parcel No. 1760600061

Cased or Uncased Diameter 2.25" Static Level N/A

Work/Decommission Start Date 2/6/2013

Work/Decommission Completed Date 2/6/2013

## Construction Design

## Well Data

## Formation Description

Surface Seal: ASPHALT

Drilling Method: DIRECT PUSH

Boring Diameter: 2.25"

Backfill: BENTONITE

Boring Depth: 18'

0-5'  
BRN SAND W/SOME GRAVEL  
5'-18'  
LT GRAY/BRN MED-FINE SAND  
w/ SOME GRAVEL

Please print, sign and return to the Department of Ecology

# RESOURCE PROTECTION WELL REPORT

CURRENT Notice of Intent No. SE47319

SUBMIT ONE WELL REPORT PER WELL INSTALLED)

Construction/Decommission ("x" in box)

- ☒ Construction  
☐ Decommission

ORIGINAL INSTALLATION Notice of Intent Number:

Consulting Firm \_\_\_\_\_

Unique Ecology Well IDTag No. DS-5

WELL CONSTRUCTION CERTIFICATION: I constructed and/or accept responsibility for construction of this well, and its compliance with all Washington well construction standards. Materials used and the information reported above are true to my best knowledge and belief.

☒ Driller ☐ Engineer ☐ Trainee

Name (Print Last, First Name) Haun, Martin

Driller/Engineer /Trainee Signature [Signature]

Driller or Trainee License No. 2827

If trainee, licensed driller's Signature and License Number:

Type of Well ("x" in box)

- ☒ Resource Protection  
☐ Geotech Soil Boring

Property Owner Burien Chevrolet

Site Address 14406 1st Ave S

City Burien County King

Location NW1/4-1/4 NW1/4 Sec 20 Twn 23 R 4

EWM ☒ or WWM ☐

Lat/Long (s, t, r still REQUIRED) Lat Deg \_\_\_\_\_ Min \_\_\_\_\_ Sec \_\_\_\_\_  
Long Deg \_\_\_\_\_ Min \_\_\_\_\_ Sec \_\_\_\_\_

Tax Parcel No. 1760600061

Cased or Uncased Diameter 2.25" Static Level N/A

Work/Decommission Start Date 2/6/2013

Work/Decommission Completed Date 2/6/2013

## Construction Design

## Well Data

## Formation Description

Surface Seal: ASPHALT

Drilling Method: DIRECT PUSH

Boring Diameter: 2.25"

Backfill: BENTONITE

Boring Depth: 18'

0' - 4'  
BEN SAND w/ SOME GRAVEL  
4' - 18'  
LT GRAY / BRN MED-FINE SAND  
w/ SOME GRAVEL

Please print, sign and return to the Department of Ecology

# RESOURCE PROTECTION WELL REPORT

CURRENT Notice of Intent No. SE47319

SUBMIT ONE WELL REPORT PER WELL INSTALLED)

Construction/Decommission ("x" in box)

- ☒ Construction  
☐ Decommission

ORIGINAL INSTALLATION Notice of Intent Number:

Consulting Firm

Unique Ecology Well IDTag No. DS-6

WELL CONSTRUCTION CERTIFICATION: I constructed and/or accept responsibility for construction of this well, and its compliance with all Washington well construction standards. Materials used and the information reported above are true to my best knowledge and belief.

☒ Driller ☐ Engineer ☐ Trainee

Name (Print Last, First Name) Haun, Martin

Driller/Engineer /Trainee Signature [Signature]

Driller or Trainee License No. 2827

If trainee, licensed driller's Signature and License Number:

Type of Well ("x" in box)

- ☒ Resource Protection  
☐ Geotech Soil Boring

Property Owner Burien Chevrolet

Site Address 14406 1st Ave S

City Burien County King

Location NW1/4-1/4 NW1/4 Sec 20 Twn 23 R 4

EWM ☒ or WWM ☐

Lat/Long (s, t, r still REQUIRED) Lat Deg \_\_\_\_\_ Min \_\_\_\_\_ Sec \_\_\_\_\_  
Long Deg \_\_\_\_\_ Min \_\_\_\_\_ Sec \_\_\_\_\_

Tax Parcel No. 1760600061

Cased or Uncased Diameter 2.25" Static Level N/A

Work/Decommission Start Date 2/6/2013

Work/Decommission Completed Date 2/6/2013

Construction Design

Well Data

Formation Description

Surface Seal: ASPHALT

Drilling Method: DIRECT PUSH

Boring Diameter: 2.25"

Backfill: BENTONITE

Boring Depth: 20'

0-4'  
BRN SAND W/ SOME GRACE  
4'-20'  
LT GRAY/BRN MED-FINE SAND  
w/ SOME GRACE

Please print, sign and return to the Department of Ecology

# RESOURCE PROTECTION WELL REPORT

CURRENT Notice of Intent No. AE20541

(SUBMIT ONE WELL REPORT PER WELL INSTALLED)

Construction/Decommission ("x" in box)

- ☐ Construction  
☒ Decommission

Type of Well ("x in box)

- ☒ Resource Protection  
☐ Geotech Soil Boring

ORIGINAL INSTALLATION Notice of Intent Number:

SE47319

Consulting Firm \_\_\_\_\_

Unique Ecology Well IDTag No. DS-2

WELL CONSTRUCTION CERTIFICATION: I constructed and/or accept responsibility for construction of this well, and its compliance with all Washington well construction standards. Materials used and the information reported above are true to my best knowledge and belief.

☒ Driller ☐ Engineer ☐ Trainee

Name (Print Last, First Name) Haun, Martin

Driller/Engineer /Trainee Signature [Signature]

Driller or Trainee License No. 2827

If trainee, licensed driller's Signature and License Number:

Property Owner Burien Chevrolet

Site Address 14406 1st Ave S

City Burien County King

Location NW1/4-1/4 NW1/4 Sec 20 Twn 23 R 4

EWM ☒ or WWM ☐

Lat/Long (s, t, r still REQUIRED) Lat Deg \_\_\_\_\_ Min \_\_\_\_\_ Sec \_\_\_\_\_  
Long Deg \_\_\_\_\_ Min \_\_\_\_\_ Sec \_\_\_\_\_

Tax Parcel No. 1760600061

Cased or Uncased Diameter 2.25" Static Level N/A

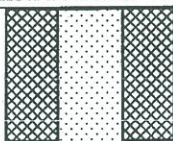
Work/Decommission Start Date 2/6/2013

Work/Decommission Completed Date 2/6/2013

Construction Design

Well Data

Formation Description



Boring Diameter: 2.25"

Removed all rods from boring and backfilled with bentonite

Boring Depth: 20'

Please print, sign and return to the Department of Ecology

# RESOURCE PROTECTION WELL REPORT

CURRENT Notice of Intent No. AE20541

(SUBMIT ONE WELL REPORT PER WELL INSTALLED)

Construction/Decommission ("x" in box)

☐ Construction

☒ Decommission

Type of Well ("x" in box)

☒ Resource Protection

☐ Geotech Soil Boring

ORIGINAL INSTALLATION Notice of Intent Number:

SE47319

Consulting Firm \_\_\_\_\_

Unique Ecology Well IDTag No. DS-3

WELL CONSTRUCTION CERTIFICATION: I constructed and/or accept responsibility for construction of this well, and its compliance with all Washington well construction standards. Materials used and the information reported above are true to my best knowledge and belief.

☒ Driller ☐ Engineer ☐ Trainee

Name (Print Last, First Name) Haun, Martin

Driller/Engineer /Trainee Signature [Signature]

Driller or Trainee License No. 2827

If trainee, licensed driller's Signature and License Number:

Property Owner Burien Chevrolet

Site Address 14406 1st Ave S

City Burien County King

Location NW1/4-1/4 NW1/4 Sec 20 Twn 23 R 4

EWM ☒ or WWM ☐

Lat/Long (s, t, r Lat Deg \_\_\_\_\_ Min \_\_\_\_\_ Sec \_\_\_\_\_

still REQUIRED) Long Deg \_\_\_\_\_ Min \_\_\_\_\_ Sec \_\_\_\_\_

Tax Parcel No. 1760600061

Cased or Uncased Diameter 2.25" Static Level N/A

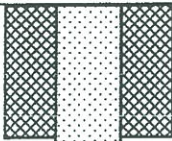
Work/Decommission Start Date 2/6/2013

Work/Decommission Completed Date 2/6/2013

Construction Design

Well Data

Formation Description



Boring Diameter: 2.25"

Removed all rods from boring and backfilled with bentonite

Boring Depth: 18'

Please print, sign and return to the Department of Ecology

# RESOURCE PROTECTION WELL REPORT

CURRENT Notice of Intent No. AE20541

(SUBMIT ONE WELL REPORT PER WELL INSTALLED)

Construction/Decommission ("x" in box)

- ☐ Construction  
☒ Decommission

Type of Well ("x" in box)

- ☒ Resource Protection  
☐ Geotech Soil Boring

ORIGINAL INSTALLATION Notice of Intent Number:

SE47319

Consulting Firm \_\_\_\_\_

Unique Ecology Well IDTag No. DS-4

WELL CONSTRUCTION CERTIFICATION: I constructed and/or accept responsibility for construction of this well, and its compliance with all Washington well construction standards. Materials used and the information reported above are true to my best knowledge and belief.

☒ Driller ☐ Engineer ☐ Trainee

Name (Print Last, First Name) Haun, Martin

Driller/Engineer /Trainee Signature [Signature]

Driller or Trainee License No. 2827

If trainee, licensed driller's Signature and License Number:

Property Owner Burien Chevrolet

Site Address 14406 1st Ave S

City Burien

County King

Location NW1/4-1/4 NW1/4 Sec 20 Twn 23 R 4

EWM ☒ or WWM ☐

Lat/Long (s, t, r

Lat Deg \_\_\_\_\_ Min \_\_\_\_\_ Sec \_\_\_\_\_

still REQUIRED)

Long Deg \_\_\_\_\_ Min \_\_\_\_\_ Sec \_\_\_\_\_

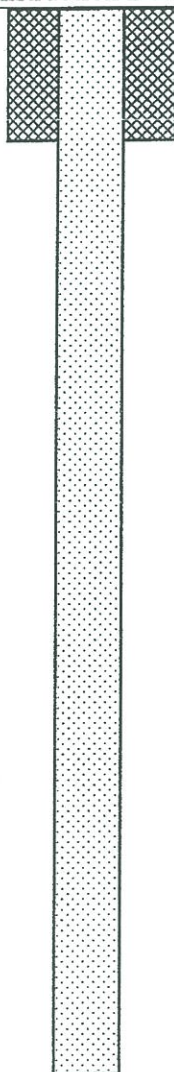
Tax Parcel No. 1760600061

Cased or Uncased Diameter 2.25" Static Level N/A

Work/Decommission Start Date 2/6/2013

Work/Decommission Completed Date 2/6/2013

## Construction Design



## Well Data

Boring Diameter: 2.25"

Removed all rods from boring and backfilled with bentonite

Boring Depth: 18'

## Formation Description

Please print, sign and return to the Department of Ecology

# RESOURCE PROTECTION WELL REPORT

CURRENT Notice of Intent No. AE20541

(SUBMIT ONE WELL REPORT PER WELL INSTALLED)

Construction/Decommission ("x" in box)

- ☐ Construction  
☒ Decommission

Type of Well ("x" in box)

- ☒ Resource Protection  
☐ Geotech Soil Boring

ORIGINAL INSTALLATION Notice of Intent Number:

SE47319

Consulting Firm \_\_\_\_\_

Unique Ecology Well IDTag No. DS-5

WELL CONSTRUCTION CERTIFICATION: I constructed and/or accept responsibility for construction of this well, and its compliance with all Washington well construction standards. Materials used and the information reported above are true to my best knowledge and belief.

☒ Driller ☐ Engineer ☐ Trainee

Name (Print Last, First Name) Haun, Martin

Driller/Engineer /Trainee Signature [Signature]

Driller or Trainee License No. 2827

If trainee, licensed driller's Signature and License Number:

Property Owner Burien Chevrolet

Site Address 14406 1st Ave S

City Burien County King

Location NW1/4-1/4 NW1/4 Sec 20 Twn 23 R 4

EWM ☒ or WWM ☐

Lat/Long (s, t, r still REQUIRED) Lat Deg \_\_\_\_\_ Min \_\_\_\_\_ Sec \_\_\_\_\_  
Long Deg \_\_\_\_\_ Min \_\_\_\_\_ Sec \_\_\_\_\_

Tax Parcel No. 1760600061

Cased or Uncased Diameter 2.25" Static Level N/A

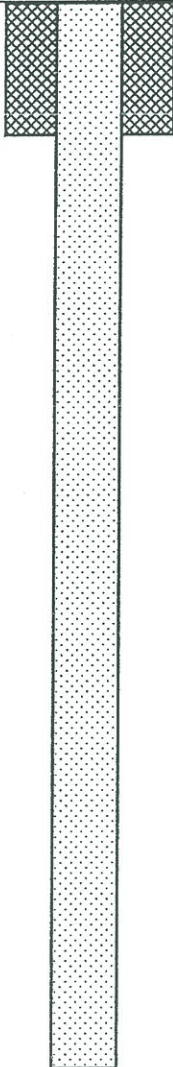
Work/Decommission Start Date 2/6/2013

Work/Decommission Completed Date 2/6/2013

Construction Design

Well Data

Formation Description



Boring Diameter: 2.25"

Removed all rods from boring and backfilled with bentonite

Boring Depth: 18'

Please print, sign and return to the Department of Ecology

# RESOURCE PROTECTION WELL REPORT

CURRENT Notice of Intent No. AE20541

(SUBMIT ONE WELL REPORT PER WELL INSTALLED)

Construction/Decommission ("x" in box)

- ☐ Construction  
☒ Decommission

Type of Well ("x" in box)

- ☒ Resource Protection  
☐ Geotech Soil Boring

ORIGINAL INSTALLATION Notice of Intent Number:

SE47319

Consulting Firm \_\_\_\_\_

Unique Ecology Well IDTag No. DS-6

WELL CONSTRUCTION CERTIFICATION: I constructed and/or accept responsibility for construction of this well, and its compliance with all Washington well construction standards. Materials used and the information reported above are true to my best knowledge and belief.

☒ Driller ☐ Engineer ☐ Trainee

Name (Print Last, First Name) Haun, Martin

Driller/Engineer /Trainee Signature [Signature]

Driller or Trainee License No. 2827

If trainee, licensed driller's Signature and License Number:

Property Owner Burien Chevrolet

Site Address 14406 1st Ave S

City Burien County King

Location NW1/4-1/4 NW1/4 Sec 20 Twn 23 R 4

EWM ☒ or WWM ☐

Lat/Long (s, t, r Lat Deg \_\_\_\_\_ Min \_\_\_\_\_ Sec \_\_\_\_\_

still REQUIRED)

Long Deg \_\_\_\_\_ Min \_\_\_\_\_ Sec \_\_\_\_\_

Tax Parcel No. 1760600061

Cased or Uncased Diameter 2.25" Static Level N/A

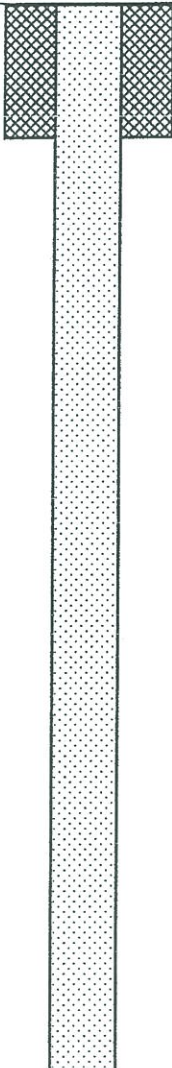
Work/Decommission Start Date 2/6/2013

Work/Decommission Completed Date 2/6/2013

Construction Design

Well Data

Formation Description



Boring Diameter: 2.25"

Removed all rods from boring and backfilled with bentonite

Boring Depth: 20'

**APPENDIX B**

**LABORATORY ANALYSES**

**DATA**

## ESN NORTHWEST CHEMISTRY LABORATORY

Stemen Environmental, Inc.  
BURIEN CHEVROLET PROJECT  
Burien, Washington

ESN Northwest  
1210 Eastside Street SE Suite 200  
Olympia, WA 98501  
(360) 459-4670 (360) 459-3432 Fax  
lab@esnnw.com

### Analysis of Diesel Range Organics & Lube Oil Range Organics in Soil by Method NWTPH-Dx/Dx Extended

Sample Number	Date Prepared	Date Analyzed	Surrogate Recovery (%)	Diesel Range Organics (mg/kg)	Lube Oil Range Organics (mg/kg)
Method Blank	12/11/2012	12/11/2012	122	nd	nd
LCS	12/11/2012	12/11/2012	117	150%	---
S-2-10	12/11/2012	12/11/2012	135	nd	nd
S-3-10	12/11/2012	12/11/2012	113	nd	nd
S-4-12	12/11/2012	12/11/2012	139	nd	nd
S-5-12	12/11/2012	12/11/2012	134	nd	nd
L-1-10	12/11/2012	12/11/2012	133	nd	nd
L-2-10	12/11/2012	12/11/2012	138	nd	nd
L-3-10	12/11/2012	12/11/2012	150	nd	nd
L-4-10	12/11/2012	12/11/2012	119	nd	nd
L-5-10	12/11/2012	12/11/2012	140	nd	nd
Reporting Limits				50	100

"nd" Indicates not detected at the listed detection limits.

"int" Indicates that interference prevents determination.

ACCEPTABLE RECOVERY LIMITS FOR SURROGATE : 50% TO 150%

**ESN NORTHWEST CHEMISTRY LABORATORY**

Stemen Environmental, Inc.  
BURIEN CHEVROLET PROJECT  
Burien, Washington

ESN Northwest  
1210 Eastside Street SE Suite 200  
Olympia, WA 98501  
(360) 459-4670 (360) 459-3432 Fax  
lab@esnnw.com

**Analysis of Gasoline Range Organics, BTEX in Soil by Method NWTPH-Gx/8260**

Sample Number	Date Prepared	Date Analyzed	Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Xylenes (mg/kg)	Gasoline Range Organics (mg/kg)	Surrogate Recovery (%)
Method Blank	12/7/2012	12/11/2012	nd	nd	nd	nd	nd	117
LCS	12/7/2012	12/11/2012	97%	99%	87%	90%	86%	113
LCSD	12/7/2012	12/11/2012	95%	96%	90%	88%	---	110
S-2-10	12/7/2012	12/12/2012	nd	nd	nd	nd	nd	119
S-3-10	12/7/2012	12/12/2012	nd	nd	nd	nd	nd	112
Reporting Limits			0.02	0.05	0.05	0.15	10	

"nd" Indicates not detected at the listed detection limits.

"int" Indicates that interference prevents determination.

ACCEPTABLE RECOVERY LIMITS FOR SURROGATE (Bromofluorobenzene) & LCS: 65% TO 135%

## ESN NORTHWEST CHEMISTRY LABORATORY

Stemen Environmental, Inc.  
BURIEN CHEVROLET PROJECT  
Burien, Washington

ESN Northwest  
1210 Eastside Street SE Suite 200  
Olympia, WA 98501  
(360) 459-4670 (360) 459-3432 Fax  
lab@esnnw.com

### Analysis of Gasoline Range Organics in Soil by Method NWTPH-Gx

Sample Number	Date Prepared	Date Analyzed	Surrogate Recovery (%)	Gasoline Range Organics (mg/kg)
Method Blank	12/7/2012	12/11/2012	117	nd
S-5-12	12/7/2012	12/12/2012	114	nd
S-5-12 Duplicate	12/7/2012	12/12/2012	116	nd
Reporting Limits				10

"nd" Indicates not detected at the listed detection limits.

"int" Indicates that interference prevents determination.

ACCEPTABLE RECOVERY LIMITS FOR SURROGATE: 65% TO 135%

# ESN NORTHWEST CHEMISTRY LABORATORY

Stemen Environmental, Inc.  
BURIEN CHEVROLET PROJECT  
Burien, Washington

ESN Northwest  
1210 Eastside Street SE Suite 200  
Olympia, WA 98501  
(360) 459-4670 (360) 459-3432 Fax  
lab@esnnw.com

## Analysis of Gasoline Range Organics, BTEX in Soil by Method NWTPH-Gx/8260

Sample Number	Date Prepared	Date Analyzed	Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Xylenes (mg/kg)	Gasoline Range Organics (mg/kg)	Surrogate Recovery (%)
Method Blank	12/7/2012	12/11/2012	nd	nd	nd	nd	nd	117
LCS	12/7/2012	12/11/2012	97%	99%	87%	90%	---	113
LCSD	12/7/2012	12/11/2012	95%	96%	90%	88%	---	110
S-1-13	12/7/2012	12/11/2012	nd	nd	0.73	2.5	270	118
S-1-20	12/7/2012	12/11/2012	0.07	10	13	77	1700	117
Reporting Limits			0.02	0.05	0.05	0.15	10	

"nd" Indicates not detected at the listed detection limits.

"int" Indicates that interference prevents determination.

ACCEPTABLE RECOVERY LIMITS FOR SURROGATE (Bromofluorobenzene) & LCS: 65% TO 135%

# ESN NORTHWEST CHEMISTRY LABORATORY

Stemen Environmental, Inc.  
BURIEN CHEVROLET PROJECT  
Burien, Washington

ESN Northwest  
1210 Eastside Street SE Suite 200  
Olympia, WA 98501  
(360) 459-4670 (360) 459-3432 Fax  
lab@esnvw.com

## Analysis of Diesel Range Organics & Lube Oil Range Organics in Soil by Method NWTPH-Dx/Dx Extended

Sample Number	Date Prepared	Date Analyzed	Surrogate Recovery (%)	Diesel Range Organics (mg/kg)	Lube Oil Range Organics (mg/kg)
Method Blank	12/11/2012	12/11/2012	122	nd	nd
S-1-13	12/11/2012	12/11/2012	126	nd	nd
S-1-20	12/11/2012	12/11/2012	125	nd	nd
Reporting Limits				50	100

"nd" Indicates not detected at the listed detection limits.

"int" Indicates that interference prevents determination.

ACCEPTABLE RECOVERY LIMITS FOR SURROGATE : 50% TO 150%

# ESN NORTHWEST CHEMISTRY LABORATORY

Stemen Environmental, Inc.  
BURIEN CHEVROLET PROJECT  
Burien, Washington

ESN Northwest  
1210 Eastside Street SE Suite 200  
Olympia, WA 98501  
(360) 459-4670 (360) 459-3432 Fax  
lab@esnww.com

## Analysis of Gasoline Range Organics & BTEX in Water by Method NWTPH-Gx/8260

Sample Number	Date Analyzed	Benzene (ug/L)	Toluene (ug/L)	Ethylbenzene (ug/L)	Xylenes (ug/L)	Gasoline Range Organics (ug/L)	Surrogate Recovery (%)
Method Blank	12/11/2012	nd	nd	nd	nd	nd	87
LCS	12/11/2012	92%	84%	84%	78%	---	95
S1-W	12/11/2012	300	4400	1900	12000	32000	92
Reporting Limits		1.0	1.0	1.0	3.0	100	

"nd" Indicates not detected at the listed detection limits.

"int" Indicates that interference prevents determination.

ACCEPTABLE RECOVERY LIMITS FOR SURROGATE (Bromofluorobenzene) & LCS: 65% TO 135%

5 DAY

February 15, 2013

Paul Stemen  
Stemen Environmental  
P.O. Box 3644  
Lacey, WA 98509

Dear Mr. Stemen:

Please find enclosed the analytical data report for the Burien Chevrolet Project in Burien, Washington. Probe services were conducted on February 8, 2013. Soil and water samples were analyzed for Diesel and Oil by NWTPH-Dx/Dx Extended, Gasoline by NWTPH-Gx, and BTEX by Method 8260 on February 12 & 13, 2013.

The results of these analyses are summarized in the attached tables. All soil values are reported on a dry weight basis. Applicable detection limits and QA/QC data are included. An invoice for this work is also enclosed.

ESN Northwest appreciates the opportunity to have provided analytical services to Stemen Environmental for this project. If you have any further questions about the data report, please give me a call. It was a pleasure working with you on this project, and we look forward to the next opportunity to work together.

Sincerely,



Michael A. Korosec  
President

# ESN NORTHWEST CHEMISTRY LABORATORY

Stemen Environmental Inc.  
BURIEN CHEVROLET PROJECT  
Burien, Washington

ESN Northwest  
1210 Eastside Street SE Suite 200  
Olympia, WA 98501  
(360) 459-4670 (360) 459-3432 Fax  
lab@esnwnw.com

## Analysis of Gasoline Range Organics & BTEX in Soil by Method NWTPH-Gx/8260C/5035A

Sample Number	Date Prepared	Date Analyzed	Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Xylenes (mg/kg)	Gasoline Range Organics (mg/kg)	Surrogate Recovery (%)
Method Blank	2/8/2013	2/13/2013	nd	nd	nd	nd	nd	111
LCS	2/8/2013	2/13/2013	104%	102%	116%	113%	108%	100
LCSD	2/8/2013	2/13/2013	109%	116%	122%	117%	---	96
DS1-10	2/8/2013	2/13/2013	nd	nd	nd	nd	nd	108
DS1-14	2/8/2013	2/13/2013	nd	nd	nd	nd	11	109
DS1-16	2/8/2013	2/13/2013	nd	nd	nd	nd	34	106
DS1-18	2/8/2013	2/13/2013	nd	nd	nd	nd	nd	120
DS1-20	2/8/2013	2/13/2013	nd	nd	nd	nd	nd	109
DS2-16	2/8/2013	2/13/2013	nd	nd	nd	nd	nd	114
DS2-20	2/8/2013	2/13/2013	nd	nd	nd	nd	nd	113
DS3-14	2/8/2013	2/13/2013	nd	nd	nd	nd	nd	107
DS5-10	2/8/2013	2/13/2013	nd	nd	nd	nd	12	111
DS6-12	2/8/2013	2/13/2013	nd	nd	nd	nd	nd	110
DS6-12 Duplicate	2/8/2013	2/13/2013	nd	nd	nd	nd	nd	107
DS6-18	2/8/2013	2/13/2013	nd	nd	nd	nd	nd	107
DS3-18	2/8/2013	2/13/2013	nd	nd	nd	nd	nd	114
DS2-14	2/8/2013	2/13/2013	nd	nd	0.30	0.29	250	109
DS5-17	2/8/2013	2/13/2013	nd	nd	nd	nd	nd	109
DS7-16	2/8/2013	2/13/2013	nd	nd	nd	nd	nd	114
DS7-16 Duplicate	2/8/2013	2/13/2013	nd	nd	nd	nd	nd	107
DS4-18	2/8/2013	2/13/2013	nd	nd	nd	nd	nd	119
Reporting Limits			0.02	0.05	0.05	0.15	10	

"nd" Indicates not detected at the listed detection limits.

"int" Indicates that interference prevents determination.

ACCEPTABLE RECOVERY LIMITS FOR SURROGATE & LCS: 65% TO 135%

## ESN NORTHWEST CHEMISTRY LABORATORY

Stemen Environmental Inc.  
BURIEN CHEVROLET PROJECT  
Burien, Washington

ESN Northwest  
1210 Eastside Street SE Suite 200  
Olympia, WA 98501  
(360) 459-4670 (360) 459-3432 Fax  
lab@esnsw.com

### Analysis of Gasoline Range Organics & BTEX in Water by Method NWTPH-Gx/8260C/5030C

Sample Number	Date Analyzed	Benzene (ug/L)	Toluene (ug/L)	Ethylbenzene (ug/L)	Xylenes (ug/L)	Gasoline Range Organics (ug/L)	Surrogate Recovery (%)
Method Blank	2/12/2013	nd	nd	nd	nd	nd	100
LCS	2/12/2013	97%	81%	100%	93%	130%	98
LCSD	2/12/2013	95%	77%	90%	89%	---	96
DS1-W	2/12/2013	nd	nd	nd	nd	nd	118
DS7-W	2/12/2013	nd	nd	nd	nd	nd	108
Trip Blank	2/12/2013	nd	nd	nd	nd	nd	119
Reporting Limits		1.0	1.0	1.0	3.0	100	

"nd" Indicates not detected at the listed detection limits.

"int" Indicates that interference prevents determination.

ACCEPTABLE RECOVERY LIMITS FOR SURROGATE & LCS: 65% TO 135%

## ESN NORTHWEST CHEMISTRY LABORATORY

Stemen Environmental Inc.  
BURIEN CHEVROLET PROJECT  
Burien, Washington

ESN Northwest  
1210 Eastside Street SE Suite 200  
Olympia, WA 98501  
(360) 459-4670 (360) 459-3432 Fax  
lab@esnww.com

### Analysis of Diesel Range Organics & Lube Oil Range Organics in Water by Method NWTPH-Dx Extended

Sample Number	Date Prepared	Date Analyzed	Surrogate Recovery (%)	Diesel Range Organics (ug/L)	Lube Oil Range Organics (ug/L)
Method Blank	2/13/2013	2/13/2013	57	nd	nd
LCS	2/13/2013	2/13/2013	58	103%	---
DS1-W	2/13/2013	2/13/2013	58	nd	nd
Reporting Limits				250	500

"nd" Indicates not detected at the listed detection limits.

"int" Indicates that interference prevents determination.

ACCEPTABLE RECOVERY LIMITS FOR SURROGATE : 50% TO 150%

# CHAIN-OF-CUSTODY RECORD

CLIENT: STEWART ENVIRONMENTAL FOR DATE: 2/8/2013 PAGE 1 OF 1

ADDRESS: PO BOX 3644 BURLINGAME, CA 94010 PROJECT NAME: BURIED CHEVROLET

PHONE: 360 438 9721 FAX:  LOCATION: Burlingame, WA

CLIENT PROJECT #: 00000000000000000000 PROJECT MANAGER: PAUL STERN COLLECTOR: PAUL STERN DATE OF COLLECTION: 2/8

Sample Number	Depth	Time	Sample Type	Container Type	ANALYSES	TPH - DIESEL & OIL	BTEX	VOC 8260CL	Semivol 8270	PCB's 8270	GL Pesticides 8081	MTCA 8 Metals	Pb	Asbestos-PLM	GRO Suite	DRO Suite	WO Suite	NOTES	Total Number of Containers	Laboratory Note Number
1. DS1-10	10		Soil	Sealed	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			
2. DS1-14	14		"	"	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			
3. DS1-16	16		"	"	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			
4. DS1-18	18		"	"	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			
5. DS1-20	20		"	"	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			
6. DS2-16	16		"	"	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			
7. DS2-20	20		"	"	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			
8. DS3-14	14		"	"	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			
9. DS5-10	10		"	"	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			
10. DS6-18	18		"	"	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			
11. DS6-18	18		"	"	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			
12. DS3-18	18		"	"	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			
13. DS2-14	14		"	"	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			
14. DS5-17	17		"	"	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			
15. DS1-W			H2O	CLASS	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			
16. DS2-W			H2O	CLASS	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			
17. DS7-16	16		Soil	Sealed	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			
18. DS4-18	18		"	"	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			

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**SAMPLE DISPOSAL INSTRUCTIONS**

☐ ESN DISPOSAL @ \$2.00 each ☐ Return ☐ Pickup

LABORATORY NOTES:

TOTAL NUMBER OF CONTAINERS: 18

CHAIN OF CUSTODY SEALS Y/N/A: Y

SEALS INTACT? Y/N/A: Y

RECEIVED GOOD COND./COLD: Y

NOTES: Turn Around Time: 24 HR 48 HR 5 DAY

SOUTH FIRST AVENUE

**SAMPLE LOCATION MAP**

**BURUEN CHEVROLET SITE**

**14400 S. 1ST AVENUE**

**BURIEN, WA.**

**SCALE 1"=25'**

