

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**GREAT WESTERN MALTING CO (Continued)**

**U004106722**

edr\_fstat: WA  
edr\_fzip: 98660-1529  
edr\_fcnty: CLARK  
edr\_zip: Not reported  
Facility ID: 41573682  
VCP Status: Not reported  
VCP: Yes  
Ecology Status: Not reported  
NFA Type: Not reported  
Date NFA: Not reported  
Rank: N  
Cleanup Siteid: 9051

edr\_fstat: WA  
edr\_fzip: 98660-1529  
edr\_fcnty: CLARK  
edr\_zip: Not reported  
Facility ID: 41573682  
VCP Status: Not reported  
VCP: Yes  
Ecology Status: Not reported  
NFA Type: Not reported  
Date NFA: Not reported  
Rank: N  
Cleanup Siteid: 9051

**ALLSITES:**

Facility Name: GREAT WESTERN MALTING  
Facility Id: 41573682

. Interaction: A  
. Interaction 1: AQSYNMNR  
. Interaction 2: Air Qual Synth Minor Source  
. Ecology Program: AIRQUAL  
. Program Data: AIRSIS  
. Facility Alt.: Not reported  
. Program ID: E0110030  
. Date Interaction: 1977-01-01 00:00:00  
. Date Interaction 3: Not reported  
. Latitude: 45.630383528999999  
. Longitude: -122.688593494

. Interaction: A  
. Interaction 1: INDNPDESIP  
. Interaction 2: Industrial NPDES IP  
. Ecology Program: WATQUAL  
. Program Data: PARIS  
. Facility Alt.: GREAT WESTERN MALTING  
. Program ID: WA0000019  
. Date Interaction: 1977-07-21 00:00:00  
. Date Interaction 3: Not reported  
. Latitude: 45.630383528999999  
. Longitude: -122.688593494

. Interaction: I

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**GREAT WESTERN MALTING CO (Continued)**

**U004106722**

. Interaction 1: TIER2  
. Interaction 2: Emergency/Haz Chem Rpt TIER2  
. Ecology Program: HAZWASTE  
. Program Data: EPCRA  
. Facility Alt.: Not reported  
. Program ID: Not reported  
. Date Interaction: 1987-01-01 00:00:00  
. Date Interaction 3: 2005-07-14 00:00:00  
. Latitude: 45.630383528999999  
. Longitude: -122.688593494

. Interaction: I  
. Interaction 1: TRI  
. Interaction 2: Toxics Release Inventory  
. Ecology Program: HAZWASTE  
. Program Data: EPCRA  
. Facility Alt.: Not reported  
. Program ID: WAD026961870  
. Date Interaction: 1990-01-01 00:00:00  
. Date Interaction 3: 2002-10-08 00:00:00  
. Latitude: 45.630383528999999  
. Longitude: -122.688593494

. Interaction: A  
. Interaction 1: UST  
. Interaction 2: Underground Storage Tank  
. Ecology Program: TOXICS  
. Program Data: UST  
. Facility Alt.: Not reported  
. Program ID: 10573  
. Date Interaction: 2000-03-20 00:00:00  
. Date Interaction 3: Not reported  
. Latitude: 45.630383528999999  
. Longitude: -122.688593494

. Interaction: I  
. Interaction 1: TRI  
. Interaction 2: Toxics Release Inventory  
. Ecology Program: HAZWASTE  
. Program Data: EPCRA  
. Facility Alt.: Not reported  
. Program ID: WAD026961870  
. Date Interaction: 1988-01-01 00:00:00  
. Date Interaction 3: 2002-10-08 00:00:00  
. Latitude: 45.630383528999999  
. Longitude: -122.688593494

. Interaction: I  
. Interaction 1: HWG  
. Interaction 2: Hazardous Waste Generator  
. Ecology Program: HAZWASTE  
. Program Data: TURBOWASTE  
. Facility Alt.: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**GREAT WESTERN MALTING CO (Continued)**

**U004106722**

. Program ID:	WAD026961870
. Date Interaction:	1995-11-30 00:00:00
. Date Interaction 3:	2005-12-31 00:00:00
. Latitude:	45.630383528999999
. Longitude:	-122.688593494
. Interaction:	I
. Interaction 1:	LUST
. Interaction 2:	LUST Facility
. Ecology Program:	TOXICS
. Program Data:	ISIS
. Facility Alt.:	Not reported
. Program ID:	10573
. Date Interaction:	1991-05-03 00:00:00
. Date Interaction 3:	1998-10-05 00:00:00
. Latitude:	45.630383528999999
. Longitude:	-122.688593494
. Interaction:	I
. Interaction 1:	HWG
. Interaction 2:	Hazardous Waste Generator
. Ecology Program:	HAZWASTE
. Program Data:	TURBOWASTE
. Facility Alt.:	Not reported
. Program ID:	WAD026961870
. Date Interaction:	1989-06-09 00:00:00
. Date Interaction 3:	1995-11-29 00:00:00
. Latitude:	45.630383528999999
. Longitude:	-122.688593494
. Interaction:	I
. Interaction 1:	HWP
. Interaction 2:	Hazardous Waste Planner
. Ecology Program:	HAZWASTE
. Program Data:	HWPPRT
. Facility Alt.:	Not reported
. Program ID:	WAD026961870
. Date Interaction:	1991-01-01 00:00:00
. Date Interaction 3:	1998-09-01 00:00:00
. Latitude:	45.630383528999999
. Longitude:	-122.688593494
. Interaction:	A
. Interaction 1:	INDSWGP
. Interaction 2:	Industrial SW GP
. Ecology Program:	WATQUAL
. Program Data:	PARIS
. Facility Alt.:	GREAT WESTERN MALTING
. Program ID:	WAR000310
. Date Interaction:	1992-12-18 00:00:00
. Date Interaction 3:	Not reported
. Latitude:	45.630383528999999
. Longitude:	-122.688593494

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**GREAT WESTERN MALTING CO (Continued)**

**U004106722**

**SPILLS:**

Facility ID: 656137  
Medium: STORM DRAIN PIPE  
Material Desc: OTHER - SEE NOTE  
Material Qty: Not reported  
Material Units: Not reported  
Date Received: 04/14/2015  
Contact Name: Not reported  
Incident Date: Not reported  
Incident Category: Not reported  
Incident Category: Not reported  
Latitude: Not reported  
Longitude: Not reported  
Source Type: Not reported  
Source: Not reported  
Vessel Facility Name: Not reported  
Recovered Quantity: Not reported  
Resp Party Name: Not reported

**NPDES:**

Facility Status: Active  
Facility Type: Industrial NPDES IP  
Admin Region: Sourhwest  
Date Issued: 09/16/2011  
Latitude: 45.63038900  
Longitude: -122.688608  
Permit ID: WA0000019  
Permit Version: 5  
Permit Status: Active  
Permit SubStatus: Issued  
Ecology Contact: Jacek Anuszewski  
WRIA: Salmon-Washougal  
Permit Expiration Date: 06/30/2018  
Effective Date: 07/01/2013  
Days to Expiration: 984

Facility Status: Active  
Facility Type: Industrial SW GP  
Admin Region: Headquarters  
Date Issued: 12/03/2014  
Latitude: 45.63038900  
Longitude: -122.688608  
Permit ID: WAR000310  
Permit Version: 5  
Permit Status: Active  
Permit SubStatus: Coverage Issued  
Ecology Contact: Kevin Hancock  
WRIA: Salmon-Washougal  
Permit Expiration Date: 12/31/2019  
Effective Date: 01/01/2015  
Days to Expiration: 1533

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

79  
North  
1/2-1  
0.971 mi.  
5129 ft.

**MEMORIAL URGENT CARE**  
**3400 MAIN ST**  
**VANCOUVER, WA 98663**

**WA CSCSL**  
**WA LUST**  
**WA UST**  
**WA ALLSITES**  
**WA Financial Assurance**  
**U003352937**  
**N/A**

**Relative:**  
**Higher**

**CSCSL:**  
Facility ID: 23823846  
Region: Southwest  
Lat/Long: 45.64668 / -122.66883  
Brownfield Status: Not reported  
Rank Status: N  
Clean Up Siteid: 8395  
Site Status: Cleanup Started  
PSI?: Not reported  
Contaminant Name: Petroleum-Diesel  
Ground Water: Not reported  
Surface Water: Not reported  
Soil: Confirmed Above Cleanup Level  
Sediment: Not reported  
Air: Not reported  
Bedrock: Not reported  
Responsible Unit: Southwest

**Actual:**  
**211 ft.**

**LUST:**  
Facility ID: 23823846  
Lust Status Type: Cleanup Started  
Cleanup Site ID: 8395  
Cleanup Unit Type: Upland  
Process Type: Independent Action  
Cleanup Unit Name: SOUTHWEST WASHINGTON HOSPITALS SWMC  
Lust Status Date: 06/21/2013  
Response Section: Southwest  
Lat/Long: 45.64668 / -122.66883

**UST:**  
Facility ID: 23823846  
Site Id: 10315  
UBI: 6002501910010003  
Phone Number: 3605043074  
Decimal Latitude: 45.64668  
Decimal Longitude: -122.66883  
  
Tank Name: 1  
Tag Number: A4855  
Tank Status: Operational  
Tank Status Date: 08/06/1996  
Tank Install Date: 00/01/1992  
Tank Closure Date: Not reported  
Capacity Range: 5,000 to 9,999 Gallons  
Tank Permit Expiration Date: 07/31/2016  
Tank Upgrade Date: 08/01/1992  
Tank Spill Prevention: Spill Bucket/Spill Box  
Tank Overfill Prevention: Ball Float Valve (vent line)  
Tank Material: Fiberglass Reinforced Plastic  
Tank Construction: Double Wall Tank  
Tank Tightness Test: Part of Automatic Tank Gauging (ATG) System  
Tank Corrosion Protection: Corrosion Resistant

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**MEMORIAL URGENT CARE (Continued)**

**U003352937**

Tank Manifold: Not reported  
Tank Release Detection: Automatic Tank Gauging  
Tank SFC Type: Not reported  
Pipe Material: Flexible Piping  
Pipe Construction: Double Wall Pipe  
Pipe Primary Release Detection: Safe Suction (No Leak Detection)  
Pipe Second Release Detection: Not reported  
Pipe Corrosion Protection: Corrosion Resistant  
Pipe Pumping System: Non-Safe Suction  
Responsible Unit: SOUTHWEST  
Dispenser/Pump SFC Type: Not reported

Tank Name: 2  
Tag Number: A4855  
Tank Status: Exempt  
Tank Status Date: 08/06/1996  
Tank Install Date: 00/31/1964  
Tank Closure Date: Not reported  
Capacity Range: Not reported  
Tank Permit Expiration Date: Not reported  
Tank Upgrade Date: Not reported  
Tank Spill Prevention: Not reported  
Tank Overfill Prevention: Not reported  
Tank Material: Steel  
Tank Construction: Not reported  
Tank Tightness Test: Not reported  
Tank Corrosion Protection: Not reported  
Tank Manifold: Not reported  
Tank Release Detection: Not reported  
Tank SFC Type: Not reported  
Pipe Material: Not reported  
Pipe Construction: Not reported  
Pipe Primary Release Detection: Not reported  
Pipe Second Release Detection: Not reported  
Pipe Corrosion Protection: Not reported  
Pipe Pumping System: Not reported  
Responsible Unit: SOUTHWEST  
Dispenser/Pump SFC Type: Not reported

Tank Name: 3  
Tag Number: A4855  
Tank Status: Exempt  
Tank Status Date: 08/06/1996  
Tank Install Date: 00/31/1964  
Tank Closure Date: Not reported  
Capacity Range: Not reported  
Tank Permit Expiration Date: Not reported  
Tank Upgrade Date: Not reported  
Tank Spill Prevention: Not reported  
Tank Overfill Prevention: Not reported  
Tank Material: Steel  
Tank Construction: Not reported  
Tank Tightness Test: Not reported  
Tank Corrosion Protection: Not reported  
Tank Manifold: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**MEMORIAL URGENT CARE (Continued)**

**U003352937**

Tank Release Detection: Not reported  
Tank SFC Type: Not reported  
Pipe Material: Not reported  
Pipe Construction: Not reported  
Pipe Primary Release Detection: Not reported  
Pipe Second Release Detection: Not reported  
Pipe Corrosion Protection: Not reported  
Pipe Pumping System: Not reported  
Responsible Unit: SOUTHWEST  
Dispenser/Pump SFC Type: Not reported

**ALLSITES:**

Facility Name: SOUTHWEST WASHINGTON MEDICAL CENTER  
Facility Id: 23823846

. Interaction: A  
. Interaction 1: UST  
. Interaction 2: Underground Storage Tank  
. Ecology Program: TOXICS  
. Program Data: UST  
. Facility Alt.: MEMORIAL URGENT CARE  
. Program ID: 10315  
. Date Interaction: 2000-03-20 00:00:00  
. Date Interaction 3: Not reported  
. Latitude: 45.646674525999998  
. Longitude: -122.668815493

. Interaction: I  
. Interaction 1: LUST  
. Interaction 2: LUST Facility  
. Ecology Program: TOXICS  
. Program Data: ISIS  
. Facility Alt.: Not reported  
. Program ID: 10315  
. Date Interaction: 1992-08-27 00:00:00  
. Date Interaction 3: 1992-09-09 00:00:00  
. Latitude: 45.646674525999998  
. Longitude: -122.668815493

**WA Financial Assurance 1:**

edr\_fstat: WA  
edr\_fzip: 98663  
edr\_fcnty: Not reported  
edr\_zip: Not reported  
DOE Site ID: 10315  
Site Type: Self  
Financial Resp Type: Self-Insurance  
Inception Date: 05/13/2011  
Expiration Date: 05/13/2012

Count: 4 records.

ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
VANCOUVER	S103504812	BOISE CASCADE CORP.	W. 7TH ST.	98666	WA ICR
VANCOUVER	1003880522	VANCOUVER GAS MANUFACTURING SITE	9TH & LINCOLN STREETS	98660	SEMS-ARCHIVE
VANCOUVER	S117724294	COV BELLA VISTA CIRCLE	SE BELLA VISTA CIR & SE 34TH C		WA CSCSL, WA ALLSITES
VANCOUVER	S105454491	UNOCAL #5615	E. MILL PLAIN BLVD & NE ANDERS	98661	WA ICR



# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

To maintain currency of the following federal and state databases, EDR contacts the appropriate governmental agency on a monthly or quarterly basis, as required.

**Number of Days to Update:** Provides confirmation that EDR is reporting records that have been updated within 90 days from the date the government agency made the information available to the public.

## STANDARD ENVIRONMENTAL RECORDS

### ***Federal NPL site list***

#### **NPL: National Priority List**

National Priorities List (Superfund). The NPL is a subset of CERCLIS and identifies over 1,200 sites for priority cleanup under the Superfund Program. NPL sites may encompass relatively large areas. As such, EDR provides polygon coverage for over 1,000 NPL site boundaries produced by EPA's Environmental Photographic Interpretation Center (EPIC) and regional EPA offices.

Date of Government Version: 03/07/2016	Source: EPA
Date Data Arrived at EDR: 04/05/2016	Telephone: N/A
Date Made Active in Reports: 04/15/2016	Last EDR Contact: 04/05/2016
Number of Days to Update: 10	Next Scheduled EDR Contact: 04/18/2016
	Data Release Frequency: Quarterly

#### **NPL Site Boundaries**

##### **Sources:**

EPA's Environmental Photographic Interpretation Center (EPIC)  
Telephone: 202-564-7333

EPA Region 1  
Telephone 617-918-1143

EPA Region 6  
Telephone: 214-655-6659

EPA Region 3  
Telephone 215-814-5418

EPA Region 7  
Telephone: 913-551-7247

EPA Region 4  
Telephone 404-562-8033

EPA Region 8  
Telephone: 303-312-6774

EPA Region 5  
Telephone 312-886-6686

EPA Region 9  
Telephone: 415-947-4246

EPA Region 10  
Telephone 206-553-8665

#### **Proposed NPL: Proposed National Priority List Sites**

A site that has been proposed for listing on the National Priorities List through the issuance of a proposed rule in the Federal Register. EPA then accepts public comments on the site, responds to the comments, and places on the NPL those sites that continue to meet the requirements for listing.

Date of Government Version: 03/07/2016	Source: EPA
Date Data Arrived at EDR: 04/05/2016	Telephone: N/A
Date Made Active in Reports: 04/15/2016	Last EDR Contact: 04/05/2016
Number of Days to Update: 10	Next Scheduled EDR Contact: 04/18/2016
	Data Release Frequency: Quarterly

#### **NPL LIENS: Federal Superfund Liens**

Federal Superfund Liens. Under the authority granted the USEPA by CERCLA of 1980, the USEPA has the authority to file liens against real property in order to recover remedial action expenditures or when the property owner received notification of potential liability. USEPA compiles a listing of filed notices of Superfund Liens.

Date of Government Version: 10/15/1991	Source: EPA
Date Data Arrived at EDR: 02/02/1994	Telephone: 202-564-4267
Date Made Active in Reports: 03/30/1994	Last EDR Contact: 08/15/2011
Number of Days to Update: 56	Next Scheduled EDR Contact: 11/28/2011
	Data Release Frequency: No Update Planned

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## ***Federal Delisted NPL site list***

Delisted NPL: National Priority List Deletions

The National Oil and Hazardous Substances Pollution Contingency Plan (NCP) establishes the criteria that the EPA uses to delete sites from the NPL. In accordance with 40 CFR 300.425.(e), sites may be deleted from the NPL where no further response is appropriate.

Date of Government Version: 03/07/2016	Source: EPA
Date Data Arrived at EDR: 04/05/2016	Telephone: N/A
Date Made Active in Reports: 04/15/2016	Last EDR Contact: 04/05/2016
Number of Days to Update: 10	Next Scheduled EDR Contact: 04/18/2016
	Data Release Frequency: Quarterly

## ***Federal CERCLIS list***

FEDERAL FACILITY: Federal Facility Site Information listing

A listing of National Priority List (NPL) and Base Realignment and Closure (BRAC) sites found in the Comprehensive Environmental Response, Compensation and Liability Information System (CERCLIS) Database where EPA Federal Facilities Restoration and Reuse Office is involved in cleanup activities.

Date of Government Version: 03/26/2015	Source: Environmental Protection Agency
Date Data Arrived at EDR: 04/08/2015	Telephone: 703-603-8704
Date Made Active in Reports: 06/11/2015	Last EDR Contact: 04/08/2016
Number of Days to Update: 64	Next Scheduled EDR Contact: 07/18/2016
	Data Release Frequency: Varies

SEMS: Superfund Enterprise Management System

SEMS (Superfund Enterprise Management System) tracks hazardous waste sites, potentially hazardous waste sites, and remedial activities performed in support of EPA's Superfund Program across the United States. The list was formerly know as CERCLIS, renamed to SEMS by the EPA in 2015. The list contains data on potentially hazardous waste sites that have been reported to the USEPA by states, municipalities, private companies and private persons, pursuant to Section 103 of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA). This dataset also contains sites which are either proposed to or on the National Priorities List (NPL) and the sites which are in the screening and assessment phase for possible inclusion on the NPL.

Date of Government Version: 03/07/2016	Source: EPA
Date Data Arrived at EDR: 04/05/2016	Telephone: 800-424-9346
Date Made Active in Reports: 04/15/2016	Last EDR Contact: 04/05/2016
Number of Days to Update: 10	Next Scheduled EDR Contact: 08/01/2016
	Data Release Frequency: Quarterly

## ***Federal CERCLIS NFRAP site list***

SEMS-ARCHIVE: Superfund Enterprise Management System Archive

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

SEMS-ARCHIVE (Superfund Enterprise Management System Archive) tracks sites that have no further interest under the Federal Superfund Program based on available information. The list was formerly known as the CERCLIS-NFRAP, renamed to SEMS ARCHIVE by the EPA in 2015. EPA may perform a minimal level of assessment work at a site while it is archived if site conditions change and/or new information becomes available. Archived sites have been removed and archived from the inventory of SEMS sites. Archived status indicates that, to the best of EPA's knowledge, assessment at a site has been completed and that EPA has determined no further steps will be taken to list the site on the National Priorities List (NPL), unless information indicates this decision was not appropriate or other considerations require a recommendation for listing at a later time. The decision does not necessarily mean that there is no hazard associated with a given site; it only means that, based upon available information, the location is not judged to be potential NPL site.

Date of Government Version: 03/07/2016	Source: EPA
Date Data Arrived at EDR: 04/05/2016	Telephone: 800-424-9346
Date Made Active in Reports: 04/15/2016	Last EDR Contact: 04/05/2016
Number of Days to Update: 10	Next Scheduled EDR Contact: 08/01/2016
	Data Release Frequency: Quarterly

## ***Federal RCRA CORRACTS facilities list***

CORRACTS: Corrective Action Report

CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

Date of Government Version: 12/09/2015	Source: EPA
Date Data Arrived at EDR: 03/02/2016	Telephone: 800-424-9346
Date Made Active in Reports: 04/05/2016	Last EDR Contact: 03/30/2016
Number of Days to Update: 34	Next Scheduled EDR Contact: 07/11/2016
	Data Release Frequency: Quarterly

## ***Federal RCRA non-CORRACTS TSD facilities list***

RCRA-TSDF: RCRA - Treatment, Storage and Disposal

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Transporters are individuals or entities that move hazardous waste from the generator offsite to a facility that can recycle, treat, store, or dispose of the waste. TSDFs treat, store, or dispose of the waste.

Date of Government Version: 12/09/2015	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/02/2016	Telephone: (206) 553-1200
Date Made Active in Reports: 04/05/2016	Last EDR Contact: 03/30/2016
Number of Days to Update: 34	Next Scheduled EDR Contact: 07/11/2016
	Data Release Frequency: Quarterly

## ***Federal RCRA generators list***

RCRA-LQG: RCRA - Large Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Large quantity generators (LQGs) generate over 1,000 kilograms (kg) of hazardous waste, or over 1 kg of acutely hazardous waste per month.

Date of Government Version: 12/09/2015	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/02/2016	Telephone: (206) 553-1200
Date Made Active in Reports: 04/05/2016	Last EDR Contact: 03/30/2016
Number of Days to Update: 34	Next Scheduled EDR Contact: 07/11/2016
	Data Release Frequency: Quarterly

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## RCRA-SQG: RCRA - Small Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Small quantity generators (SQGs) generate between 100 kg and 1,000 kg of hazardous waste per month.

Date of Government Version: 12/09/2015	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/02/2016	Telephone: (206) 553-1200
Date Made Active in Reports: 04/05/2016	Last EDR Contact: 03/30/2016
Number of Days to Update: 34	Next Scheduled EDR Contact: 07/11/2016
	Data Release Frequency: Quarterly

## RCRA-CESQG: RCRA - Conditionally Exempt Small Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Conditionally exempt small quantity generators (CESQGs) generate less than 100 kg of hazardous waste, or less than 1 kg of acutely hazardous waste per month.

Date of Government Version: 12/09/2015	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/02/2016	Telephone: (206) 553-1200
Date Made Active in Reports: 04/05/2016	Last EDR Contact: 03/30/2016
Number of Days to Update: 34	Next Scheduled EDR Contact: 07/11/2016
	Data Release Frequency: Varies

## ***Federal institutional controls / engineering controls registries***

### LUCIS: Land Use Control Information System

LUCIS contains records of land use control information pertaining to the former Navy Base Realignment and Closure properties.

Date of Government Version: 05/28/2015	Source: Department of the Navy
Date Data Arrived at EDR: 05/29/2015	Telephone: 843-820-7326
Date Made Active in Reports: 06/11/2015	Last EDR Contact: 02/16/2016
Number of Days to Update: 13	Next Scheduled EDR Contact: 05/30/2016
	Data Release Frequency: Varies

### US ENG CONTROLS: Engineering Controls Sites List

A listing of sites with engineering controls in place. Engineering controls include various forms of caps, building foundations, liners, and treatment methods to create pathway elimination for regulated substances to enter environmental media or effect human health.

Date of Government Version: 09/10/2015	Source: Environmental Protection Agency
Date Data Arrived at EDR: 09/11/2015	Telephone: 703-603-0695
Date Made Active in Reports: 11/03/2015	Last EDR Contact: 02/29/2016
Number of Days to Update: 53	Next Scheduled EDR Contact: 06/13/2016
	Data Release Frequency: Varies

### US INST CONTROL: Sites with Institutional Controls

A listing of sites with institutional controls in place. Institutional controls include administrative measures, such as groundwater use restrictions, construction restrictions, property use restrictions, and post remediation care requirements intended to prevent exposure to contaminants remaining on site. Deed restrictions are generally required as part of the institutional controls.

Date of Government Version: 09/10/2015	Source: Environmental Protection Agency
Date Data Arrived at EDR: 09/11/2015	Telephone: 703-603-0695
Date Made Active in Reports: 11/03/2015	Last EDR Contact: 02/29/2016
Number of Days to Update: 53	Next Scheduled EDR Contact: 06/13/2016
	Data Release Frequency: Varies

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## **Federal ERNS list**

ERNS: Emergency Response Notification System

Emergency Response Notification System. ERNS records and stores information on reported releases of oil and hazardous substances.

Date of Government Version: 06/22/2015  
Date Data Arrived at EDR: 06/26/2015  
Date Made Active in Reports: 09/16/2015  
Number of Days to Update: 82

Source: National Response Center, United States Coast Guard  
Telephone: 202-267-2180  
Last EDR Contact: 03/30/2016  
Next Scheduled EDR Contact: 07/11/2016  
Data Release Frequency: Annually

## **State- and tribal - equivalent NPL**

HSL: Hazardous Sites List

The Hazardous Sites List is a subset of the CSCSL Report. It includes sites which have been assessed and ranked using the Washington Ranking Method (WARM).

Date of Government Version: 08/28/2015  
Date Data Arrived at EDR: 12/11/2015  
Date Made Active in Reports: 02/04/2016  
Number of Days to Update: 55

Source: Department of Ecology  
Telephone: 360-407-7200  
Last EDR Contact: 03/08/2016  
Next Scheduled EDR Contact: 06/20/2016  
Data Release Frequency: Semi-Annually

## **State- and tribal - equivalent CERCLIS**

CSCSL: Confirmed and Suspected Contaminated Sites List

State Hazardous Waste Sites. State hazardous waste site records are the states' equivalent to CERCLIS. These sites may or may not already be listed on the federal CERCLIS list. Priority sites planned for cleanup using state funds (state equivalent of Superfund) are identified along with sites where cleanup will be paid for by potentially responsible parties. Available information varies by state.

Date of Government Version: 10/20/2015  
Date Data Arrived at EDR: 10/22/2015  
Date Made Active in Reports: 12/14/2015  
Number of Days to Update: 53

Source: Department of Ecology  
Telephone: 360-407-7200  
Last EDR Contact: 01/21/2016  
Next Scheduled EDR Contact: 05/02/2016  
Data Release Frequency: Semi-Annually

## **State and tribal landfill and/or solid waste disposal site lists**

SWF/LF: Solid Waste Facility Database

Solid Waste Facilities/Landfill Sites. SWF/LF type records typically contain an inventory of solid waste disposal facilities or landfills in a particular state. Depending on the state, these may be active or inactive facilities or open dumps that failed to meet RCRA Subtitle D Section 4004 criteria for solid waste landfills or disposal sites.

Date of Government Version: 12/08/2015  
Date Data Arrived at EDR: 12/10/2015  
Date Made Active in Reports: 02/04/2016  
Number of Days to Update: 56

Source: Department of Ecology  
Telephone: 360-407-6132  
Last EDR Contact: 03/08/2016  
Next Scheduled EDR Contact: 06/20/2016  
Data Release Frequency: Annually

## **State and tribal leaking storage tank lists**

LUST: Leaking Underground Storage Tanks Site List

Leaking Underground Storage Tank Incident Reports. LUST records contain an inventory of reported leaking underground storage tank incidents. Not all states maintain these records, and the information stored varies by state.

Date of Government Version: 11/17/2015  
Date Data Arrived at EDR: 11/20/2015  
Date Made Active in Reports: 12/14/2015  
Number of Days to Update: 24

Source: Department of Ecology  
Telephone: 360-407-7183  
Last EDR Contact: 02/19/2016  
Next Scheduled EDR Contact: 05/30/2016  
Data Release Frequency: Quarterly

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## INDIAN LUST R5: Leaking Underground Storage Tanks on Indian Land

Leaking underground storage tanks located on Indian Land in Michigan, Minnesota and Wisconsin.

Date of Government Version: 11/04/2015	Source: EPA, Region 5
Date Data Arrived at EDR: 11/13/2015	Telephone: 312-886-7439
Date Made Active in Reports: 01/04/2016	Last EDR Contact: 01/25/2016
Number of Days to Update: 52	Next Scheduled EDR Contact: 05/09/2016
	Data Release Frequency: Varies

## INDIAN LUST R1: Leaking Underground Storage Tanks on Indian Land

A listing of leaking underground storage tank locations on Indian Land.

Date of Government Version: 10/27/2015	Source: EPA Region 1
Date Data Arrived at EDR: 10/29/2015	Telephone: 617-918-1313
Date Made Active in Reports: 01/04/2016	Last EDR Contact: 02/22/2016
Number of Days to Update: 67	Next Scheduled EDR Contact: 05/09/2016
	Data Release Frequency: Varies

## INDIAN LUST R4: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in Florida, Mississippi and North Carolina.

Date of Government Version: 11/24/2015	Source: EPA Region 4
Date Data Arrived at EDR: 12/01/2015	Telephone: 404-562-8677
Date Made Active in Reports: 01/04/2016	Last EDR Contact: 01/25/2016
Number of Days to Update: 34	Next Scheduled EDR Contact: 05/09/2016
	Data Release Frequency: Semi-Annually

## INDIAN LUST R9: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in Arizona, California, New Mexico and Nevada

Date of Government Version: 01/08/2015	Source: Environmental Protection Agency
Date Data Arrived at EDR: 01/08/2015	Telephone: 415-972-3372
Date Made Active in Reports: 02/09/2015	Last EDR Contact: 01/27/2016
Number of Days to Update: 32	Next Scheduled EDR Contact: 05/09/2016
	Data Release Frequency: Quarterly

## INDIAN LUST R10: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in Alaska, Idaho, Oregon and Washington.

Date of Government Version: 01/07/2016	Source: EPA Region 10
Date Data Arrived at EDR: 01/08/2016	Telephone: 206-553-2857
Date Made Active in Reports: 02/18/2016	Last EDR Contact: 01/25/2016
Number of Days to Update: 41	Next Scheduled EDR Contact: 05/09/2016
	Data Release Frequency: Quarterly

## INDIAN LUST R6: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in New Mexico and Oklahoma.

Date of Government Version: 08/20/2015	Source: EPA Region 6
Date Data Arrived at EDR: 10/30/2015	Telephone: 214-665-6597
Date Made Active in Reports: 02/18/2016	Last EDR Contact: 01/25/2016
Number of Days to Update: 111	Next Scheduled EDR Contact: 05/09/2016
	Data Release Frequency: Varies

## INDIAN LUST R8: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in Colorado, Montana, North Dakota, South Dakota, Utah and Wyoming.

Date of Government Version: 10/13/2015	Source: EPA Region 8
Date Data Arrived at EDR: 10/23/2015	Telephone: 303-312-6271
Date Made Active in Reports: 02/18/2016	Last EDR Contact: 01/25/2016
Number of Days to Update: 118	Next Scheduled EDR Contact: 05/09/2016
	Data Release Frequency: Quarterly

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## INDIAN LUST R7: Leaking Underground Storage Tanks on Indian Land LUSTs on Indian land in Iowa, Kansas, and Nebraska

Date of Government Version: 03/30/2015	Source: EPA Region 7
Date Data Arrived at EDR: 04/28/2015	Telephone: 913-551-7003
Date Made Active in Reports: 06/22/2015	Last EDR Contact: 01/25/2016
Number of Days to Update: 55	Next Scheduled EDR Contact: 05/09/2016
	Data Release Frequency: Varies

### **State and tribal registered storage tank lists**

#### FEMA UST: Underground Storage Tank Listing

A listing of all FEMA owned underground storage tanks.

Date of Government Version: 01/01/2010	Source: FEMA
Date Data Arrived at EDR: 02/16/2010	Telephone: 202-646-5797
Date Made Active in Reports: 04/12/2010	Last EDR Contact: 04/11/2016
Number of Days to Update: 55	Next Scheduled EDR Contact: 07/25/2016
	Data Release Frequency: Varies

#### UST: Underground Storage Tank Database

Registered Underground Storage Tanks. UST's are regulated under Subtitle I of the Resource Conservation and Recovery Act (RCRA) and must be registered with the state department responsible for administering the UST program. Available information varies by state program.

Date of Government Version: 08/19/2015	Source: Department of Ecology
Date Data Arrived at EDR: 08/25/2015	Telephone: 360-407-7183
Date Made Active in Reports: 09/23/2015	Last EDR Contact: 02/16/2016
Number of Days to Update: 29	Next Scheduled EDR Contact: 05/30/2016
	Data Release Frequency: Quarterly

#### AST: Aboveground Storage Tank Locations

A listing of aboveground storage tank locations regulated by the Department of Ecology's Spill Prevention, Preparedness and Response Program.

Date of Government Version: 07/29/2015	Source: Department of Ecology
Date Data Arrived at EDR: 08/06/2015	Telephone: 360-407-7562
Date Made Active in Reports: 09/23/2015	Last EDR Contact: 02/01/2016
Number of Days to Update: 48	Next Scheduled EDR Contact: 05/16/2016
	Data Release Frequency: Varies

#### INDIAN UST R1: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 1 (Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, Vermont and ten Tribal Nations).

Date of Government Version: 10/20/2015	Source: EPA, Region 1
Date Data Arrived at EDR: 10/29/2015	Telephone: 617-918-1313
Date Made Active in Reports: 01/04/2016	Last EDR Contact: 02/22/2016
Number of Days to Update: 67	Next Scheduled EDR Contact: 05/09/2016
	Data Release Frequency: Varies

#### INDIAN UST R4: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 4 (Alabama, Florida, Georgia, Kentucky, Mississippi, North Carolina, South Carolina, Tennessee and Tribal Nations)

Date of Government Version: 11/24/2015	Source: EPA Region 4
Date Data Arrived at EDR: 12/01/2015	Telephone: 404-562-9424
Date Made Active in Reports: 01/04/2016	Last EDR Contact: 01/25/2016
Number of Days to Update: 34	Next Scheduled EDR Contact: 05/09/2016
	Data Release Frequency: Semi-Annually

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## INDIAN UST R5: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 5 (Michigan, Minnesota and Wisconsin and Tribal Nations).

Date of Government Version: 11/05/2015	Source: EPA Region 5
Date Data Arrived at EDR: 11/13/2015	Telephone: 312-886-6136
Date Made Active in Reports: 01/04/2016	Last EDR Contact: 01/25/2016
Number of Days to Update: 52	Next Scheduled EDR Contact: 05/09/2016
	Data Release Frequency: Varies

## INDIAN UST R6: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 6 (Louisiana, Arkansas, Oklahoma, New Mexico, Texas and 65 Tribes).

Date of Government Version: 08/20/2015	Source: EPA Region 6
Date Data Arrived at EDR: 10/30/2015	Telephone: 214-665-7591
Date Made Active in Reports: 02/18/2016	Last EDR Contact: 01/25/2016
Number of Days to Update: 111	Next Scheduled EDR Contact: 05/09/2016
	Data Release Frequency: Semi-Annually

## INDIAN UST R7: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 7 (Iowa, Kansas, Missouri, Nebraska, and 9 Tribal Nations).

Date of Government Version: 09/23/2014	Source: EPA Region 7
Date Data Arrived at EDR: 11/25/2014	Telephone: 913-551-7003
Date Made Active in Reports: 01/29/2015	Last EDR Contact: 01/25/2016
Number of Days to Update: 65	Next Scheduled EDR Contact: 05/09/2016
	Data Release Frequency: Varies

## INDIAN UST R8: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 8 (Colorado, Montana, North Dakota, South Dakota, Utah, Wyoming and 27 Tribal Nations).

Date of Government Version: 10/13/2015	Source: EPA Region 8
Date Data Arrived at EDR: 10/23/2015	Telephone: 303-312-6137
Date Made Active in Reports: 02/18/2016	Last EDR Contact: 01/25/2016
Number of Days to Update: 118	Next Scheduled EDR Contact: 05/09/2016
	Data Release Frequency: Quarterly

## INDIAN UST R9: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 9 (Arizona, California, Hawaii, Nevada, the Pacific Islands, and Tribal Nations).

Date of Government Version: 12/14/2014	Source: EPA Region 9
Date Data Arrived at EDR: 02/13/2015	Telephone: 415-972-3368
Date Made Active in Reports: 03/13/2015	Last EDR Contact: 01/27/2016
Number of Days to Update: 28	Next Scheduled EDR Contact: 05/09/2016
	Data Release Frequency: Quarterly

## INDIAN UST R10: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 10 (Alaska, Idaho, Oregon, Washington, and Tribal Nations).

Date of Government Version: 01/07/2016	Source: EPA Region 10
Date Data Arrived at EDR: 01/08/2016	Telephone: 206-553-2857
Date Made Active in Reports: 02/18/2016	Last EDR Contact: 01/25/2016
Number of Days to Update: 41	Next Scheduled EDR Contact: 05/09/2016
	Data Release Frequency: Quarterly

***State and tribal institutional control / engineering control registries***



# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

INST CONTROL: Institutional Control Site List  
Sites that have institutional controls.

Date of Government Version: 10/20/2015  
Date Data Arrived at EDR: 10/22/2015  
Date Made Active in Reports: 12/14/2015  
Number of Days to Update: 53

Source: Department of Ecology  
Telephone: 360-407-7170  
Last EDR Contact: 01/21/2016  
Next Scheduled EDR Contact: 05/02/2016  
Data Release Frequency: Varies

## **State and tribal voluntary cleanup sites**

VCP: Voluntary Cleanup Program Sites

Sites that have entered either the Voluntary Cleanup Program or its predecessor Independent Remedial Action Program.

Date of Government Version: 10/20/2015  
Date Data Arrived at EDR: 10/22/2015  
Date Made Active in Reports: 12/14/2015  
Number of Days to Update: 53

Source: Department of Ecology  
Telephone: 360-407-7200  
Last EDR Contact: 01/21/2016  
Next Scheduled EDR Contact: 05/02/2016  
Data Release Frequency: Varies

INDIAN VCP R1: Voluntary Cleanup Priority Listing

A listing of voluntary cleanup priority sites located on Indian Land located in Region 1.

Date of Government Version: 07/27/2015  
Date Data Arrived at EDR: 09/29/2015  
Date Made Active in Reports: 02/18/2016  
Number of Days to Update: 142

Source: EPA, Region 1  
Telephone: 617-918-1102  
Last EDR Contact: 04/01/2016  
Next Scheduled EDR Contact: 07/11/2016  
Data Release Frequency: Varies

INDIAN VCP R7: Voluntary Cleanup Priority Listing

A listing of voluntary cleanup priority sites located on Indian Land located in Region 7.

Date of Government Version: 03/20/2008  
Date Data Arrived at EDR: 04/22/2008  
Date Made Active in Reports: 05/19/2008  
Number of Days to Update: 27

Source: EPA, Region 7  
Telephone: 913-551-7365  
Last EDR Contact: 04/20/2009  
Next Scheduled EDR Contact: 07/20/2009  
Data Release Frequency: Varies

ICR: Independent Cleanup Reports

These are remedial action reports Ecology has received from either the owner or operator of the sites. These actions have been conducted without department oversight or approval and are not under an order or decree. This database is no longer updated by the Department of Ecology.

Date of Government Version: 12/01/2002  
Date Data Arrived at EDR: 01/03/2003  
Date Made Active in Reports: 01/22/2003  
Number of Days to Update: 19

Source: Department of Ecology  
Telephone: 360-407-7200  
Last EDR Contact: 08/10/2009  
Next Scheduled EDR Contact: 11/09/2009  
Data Release Frequency: No Update Planned

## **State and tribal Brownfields sites**

BROWNFIELDS: Brownfields Sites Listing

A listing of brownfields sites included in the Confirmed & Suspected Sites Listing. Brownfields are abandoned, idle or underused commercial or industrial properties, where the expansion or redevelopment is hindered by real or perceived contamination. Brownfields vary in size, location, age, and past use -- they can be anything from a five-hundred acre automobile assembly plant to a small, abandoned corner gas station.

Date of Government Version: 10/20/2015  
Date Data Arrived at EDR: 10/22/2015  
Date Made Active in Reports: 12/14/2015  
Number of Days to Update: 53

Source: Department of Ecology  
Telephone: 360-725-4030  
Last EDR Contact: 01/21/2016  
Next Scheduled EDR Contact: 05/02/2016  
Data Release Frequency: Varies

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## ADDITIONAL ENVIRONMENTAL RECORDS

### **Local Brownfield lists**

#### US BROWNFIELDS: A Listing of Brownfields Sites

Brownfields are real property, the expansion, redevelopment, or reuse of which may be complicated by the presence or potential presence of a hazardous substance, pollutant, or contaminant. Cleaning up and reinvesting in these properties takes development pressures off of undeveloped, open land, and both improves and protects the environment. Assessment, Cleanup and Redevelopment Exchange System (ACRES) stores information reported by EPA Brownfields grant recipients on brownfields properties assessed or cleaned up with grant funding as well as information on Targeted Brownfields Assessments performed by EPA Regions. A listing of ACRES Brownfield sites is obtained from Cleanups in My Community. Cleanups in My Community provides information on Brownfields properties for which information is reported back to EPA, as well as areas served by Brownfields grant programs.

Date of Government Version: 12/22/2015	Source: Environmental Protection Agency
Date Data Arrived at EDR: 12/23/2015	Telephone: 202-566-2777
Date Made Active in Reports: 02/18/2016	Last EDR Contact: 03/22/2016
Number of Days to Update: 57	Next Scheduled EDR Contact: 07/04/2016
	Data Release Frequency: Semi-Annually

### **Local Lists of Landfill / Solid Waste Disposal Sites**

#### SWRCY: Recycling Facility List

A listing of recycling center locations.

Date of Government Version: 10/26/2015	Source: Department of Ecology
Date Data Arrived at EDR: 10/27/2015	Telephone: 360-407-6105
Date Made Active in Reports: 12/14/2015	Last EDR Contact: 03/08/2016
Number of Days to Update: 48	Next Scheduled EDR Contact: 05/09/2016
	Data Release Frequency: Varies

#### SWTIRE: Solid Waste Tire Facilities

This study identified sites statewide with unauthorized accumulations of scrap tires.

Date of Government Version: 11/01/2005	Source: Department of Ecology
Date Data Arrived at EDR: 03/16/2006	Telephone: N/A
Date Made Active in Reports: 04/13/2006	Last EDR Contact: 03/08/2016
Number of Days to Update: 28	Next Scheduled EDR Contact: 06/20/2016
	Data Release Frequency: Varies

#### INDIAN ODI: Report on the Status of Open Dumps on Indian Lands

Location of open dumps on Indian land.

Date of Government Version: 12/31/1998	Source: Environmental Protection Agency
Date Data Arrived at EDR: 12/03/2007	Telephone: 703-308-8245
Date Made Active in Reports: 01/24/2008	Last EDR Contact: 02/01/2016
Number of Days to Update: 52	Next Scheduled EDR Contact: 05/16/2016
	Data Release Frequency: Varies

#### DEBRIS REGION 9: Torres Martinez Reservation Illegal Dump Site Locations

A listing of illegal dump sites location on the Torres Martinez Indian Reservation located in eastern Riverside County and northern Imperial County, California.

Date of Government Version: 01/12/2009	Source: EPA, Region 9
Date Data Arrived at EDR: 05/07/2009	Telephone: 415-947-4219
Date Made Active in Reports: 09/21/2009	Last EDR Contact: 01/25/2016
Number of Days to Update: 137	Next Scheduled EDR Contact: 05/09/2016
	Data Release Frequency: No Update Planned

#### ODI: Open Dump Inventory

An open dump is defined as a disposal facility that does not comply with one or more of the Part 257 or Part 258 Subtitle D Criteria.

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 06/30/1985  
Date Data Arrived at EDR: 08/09/2004  
Date Made Active in Reports: 09/17/2004  
Number of Days to Update: 39

Source: Environmental Protection Agency  
Telephone: 800-424-9346  
Last EDR Contact: 06/09/2004  
Next Scheduled EDR Contact: N/A  
Data Release Frequency: No Update Planned

## **Local Lists of Hazardous waste / Contaminated Sites**

### **US HIST CDL: National Clandestine Laboratory Register**

A listing of clandestine drug lab locations that have been removed from the DEAs National Clandestine Laboratory Register.

Date of Government Version: 09/17/2015  
Date Data Arrived at EDR: 12/04/2015  
Date Made Active in Reports: 02/18/2016  
Number of Days to Update: 76

Source: Drug Enforcement Administration  
Telephone: 202-307-1000  
Last EDR Contact: 03/01/2016  
Next Scheduled EDR Contact: 06/13/2016  
Data Release Frequency: No Update Planned

### **ALLSITES: Facility/Site Identification System Listing**

Information on facilities and sites of interest to the Department of Ecology.

Date of Government Version: 11/10/2015  
Date Data Arrived at EDR: 11/13/2015  
Date Made Active in Reports: 12/14/2015  
Number of Days to Update: 31

Source: Department of Ecology  
Telephone: 360-407-6423  
Last EDR Contact: 02/01/2016  
Next Scheduled EDR Contact: 05/16/2016  
Data Release Frequency: Quarterly

### **CDL: Clandestine Drug Lab Contaminated Site List**

Illegal methamphetamine labs use hazardous chemicals that create public health hazards. Chemicals and residues can cause burns, respiratory and neurological damage, and death. Biological hazards associated with intravenous needles, feces, and blood also pose health risks.

Date of Government Version: 10/30/2015  
Date Data Arrived at EDR: 11/17/2015  
Date Made Active in Reports: 12/14/2015  
Number of Days to Update: 27

Source: Department of Health  
Telephone: 360-236-3380  
Last EDR Contact: 02/08/2016  
Next Scheduled EDR Contact: 05/23/2016  
Data Release Frequency: Varies

### **HIST CDL: List of Sites Contaminated by Clandestine Drug Labs**

This listing of contaminated sites by Clandestine Drug Labs includes non-remediated properties. The current CDL listing does not. This listing is no longer updated by the state agency.

Date of Government Version: 02/08/2007  
Date Data Arrived at EDR: 06/26/2007  
Date Made Active in Reports: 07/19/2007  
Number of Days to Update: 23

Source: Department of Health  
Telephone: 360-236-3381  
Last EDR Contact: 06/02/2008  
Next Scheduled EDR Contact: 09/01/2008  
Data Release Frequency: No Update Planned

### **CSCSL NFA: Confirmed and Contaminated Sites - No Further Action**

This report contains information about sites that are undergoing cleanup and sites that are awaiting further investigation and/or cleanup. Sites on the Hazardous Sites List (see above) are included in this data set.

Date of Government Version: 10/20/2015  
Date Data Arrived at EDR: 10/22/2015  
Date Made Active in Reports: 12/14/2015  
Number of Days to Update: 53

Source: Department of Ecology  
Telephone: 360-407-7170  
Last EDR Contact: 01/21/2016  
Next Scheduled EDR Contact: 05/02/2016  
Data Release Frequency: Semi-Annually

### **US CDL: Clandestine Drug Labs**

A listing of clandestine drug lab locations. The U.S. Department of Justice ("the Department") provides this web site as a public service. It contains addresses of some locations where law enforcement agencies reported they found chemicals or other items that indicated the presence of either clandestine drug laboratories or dumpsites. In most cases, the source of the entries is not the Department, and the Department has not verified the entry and does not guarantee its accuracy. Members of the public must verify the accuracy of all entries by, for example, contacting local law enforcement and local health departments.

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 09/17/2015  
Date Data Arrived at EDR: 12/04/2015  
Date Made Active in Reports: 02/18/2016  
Number of Days to Update: 76

Source: Drug Enforcement Administration  
Telephone: 202-307-1000  
Last EDR Contact: 03/01/2016  
Next Scheduled EDR Contact: 06/13/2016  
Data Release Frequency: Quarterly

## **Local Land Records**

### **LIENS 2: CERCLA Lien Information**

A Federal CERCLA ('Superfund') lien can exist by operation of law at any site or property at which EPA has spent Superfund monies. These monies are spent to investigate and address releases and threatened releases of contamination. CERCLIS provides information as to the identity of these sites and properties.

Date of Government Version: 02/18/2014  
Date Data Arrived at EDR: 03/18/2014  
Date Made Active in Reports: 04/24/2014  
Number of Days to Update: 37

Source: Environmental Protection Agency  
Telephone: 202-564-6023  
Last EDR Contact: 03/11/2016  
Next Scheduled EDR Contact: 05/09/2016  
Data Release Frequency: Varies

## **Records of Emergency Release Reports**

### **HMIRS: Hazardous Materials Information Reporting System**

Hazardous Materials Incident Report System. HMIRS contains hazardous material spill incidents reported to DOT.

Date of Government Version: 06/24/2015  
Date Data Arrived at EDR: 06/26/2015  
Date Made Active in Reports: 09/02/2015  
Number of Days to Update: 68

Source: U.S. Department of Transportation  
Telephone: 202-366-4555  
Last EDR Contact: 03/30/2016  
Next Scheduled EDR Contact: 07/11/2016  
Data Release Frequency: Annually

### **SPILLS: Reported Spills**

Spills reported to the Spill Prevention, Preparedness and Response Division.

Date of Government Version: 12/13/2015  
Date Data Arrived at EDR: 12/17/2015  
Date Made Active in Reports: 02/04/2016  
Number of Days to Update: 49

Source: Department of Ecology  
Telephone: 360-407-6950  
Last EDR Contact: 03/07/2016  
Next Scheduled EDR Contact: 06/20/2016  
Data Release Frequency: Semi-Annually

### **SPILLS 90: SPILLS90 data from FirstSearch**

Spills 90 includes those spill and release records available exclusively from FirstSearch databases. Typically, they may include chemical, oil and/or hazardous substance spills recorded after 1990. Duplicate records that are already included in EDR incident and release records are not included in Spills 90.

Date of Government Version: 05/23/2006  
Date Data Arrived at EDR: 01/03/2013  
Date Made Active in Reports: 03/06/2013  
Number of Days to Update: 62

Source: FirstSearch  
Telephone: N/A  
Last EDR Contact: 01/03/2013  
Next Scheduled EDR Contact: N/A  
Data Release Frequency: No Update Planned

## **Other Ascertainable Records**

### **RCRA NonGen / NLR: RCRA - Non Generators / No Longer Regulated**

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Non-Generators do not presently generate hazardous waste.

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 12/09/2015  
Date Data Arrived at EDR: 03/02/2016  
Date Made Active in Reports: 04/05/2016  
Number of Days to Update: 34

Source: Environmental Protection Agency  
Telephone: (206) 553-1200  
Last EDR Contact: 03/30/2016  
Next Scheduled EDR Contact: 07/11/2016  
Data Release Frequency: Varies

## FUDS: Formerly Used Defense Sites

The listing includes locations of Formerly Used Defense Sites properties where the US Army Corps of Engineers is actively working or will take necessary cleanup actions.

Date of Government Version: 01/31/2015  
Date Data Arrived at EDR: 07/08/2015  
Date Made Active in Reports: 10/13/2015  
Number of Days to Update: 97

Source: U.S. Army Corps of Engineers  
Telephone: 202-528-4285  
Last EDR Contact: 03/11/2016  
Next Scheduled EDR Contact: 06/20/2016  
Data Release Frequency: Varies

## DOD: Department of Defense Sites

This data set consists of federally owned or administered lands, administered by the Department of Defense, that have any area equal to or greater than 640 acres of the United States, Puerto Rico, and the U.S. Virgin Islands.

Date of Government Version: 12/31/2005  
Date Data Arrived at EDR: 11/10/2006  
Date Made Active in Reports: 01/11/2007  
Number of Days to Update: 62

Source: USGS  
Telephone: 888-275-8747  
Last EDR Contact: 04/15/2016  
Next Scheduled EDR Contact: 07/25/2016  
Data Release Frequency: Semi-Annually

## FEDLAND: Federal and Indian Lands

Federally and Indian administrated lands of the United States. Lands included are administrated by: Army Corps of Engineers, Bureau of Reclamation, National Wild and Scenic River, National Wildlife Refuge, Public Domain Land, Wilderness, Wilderness Study Area, Wildlife Management Area, Bureau of Indian Affairs, Bureau of Land Management, Department of Justice, Forest Service, Fish and Wildlife Service, National Park Service.

Date of Government Version: 12/31/2005  
Date Data Arrived at EDR: 02/06/2006  
Date Made Active in Reports: 01/11/2007  
Number of Days to Update: 339

Source: U.S. Geological Survey  
Telephone: 888-275-8747  
Last EDR Contact: 04/15/2016  
Next Scheduled EDR Contact: 07/25/2016  
Data Release Frequency: N/A

## SCRD DRYCLEANERS: State Coalition for Remediation of Drycleaners Listing

The State Coalition for Remediation of Drycleaners was established in 1998, with support from the U.S. EPA Office of Superfund Remediation and Technology Innovation. It is comprised of representatives of states with established drycleaner remediation programs. Currently the member states are Alabama, Connecticut, Florida, Illinois, Kansas, Minnesota, Missouri, North Carolina, Oregon, South Carolina, Tennessee, Texas, and Wisconsin.

Date of Government Version: 03/07/2011  
Date Data Arrived at EDR: 03/09/2011  
Date Made Active in Reports: 05/02/2011  
Number of Days to Update: 54

Source: Environmental Protection Agency  
Telephone: 615-532-8599  
Last EDR Contact: 02/19/2016  
Next Scheduled EDR Contact: 05/30/2016  
Data Release Frequency: Varies

## US FIN ASSUR: Financial Assurance Information

All owners and operators of facilities that treat, store, or dispose of hazardous waste are required to provide proof that they will have sufficient funds to pay for the clean up, closure, and post-closure care of their facilities.

Date of Government Version: 09/01/2015  
Date Data Arrived at EDR: 09/03/2015  
Date Made Active in Reports: 11/03/2015  
Number of Days to Update: 61

Source: Environmental Protection Agency  
Telephone: 202-566-1917  
Last EDR Contact: 02/16/2016  
Next Scheduled EDR Contact: 05/30/2016  
Data Release Frequency: Quarterly

## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

### EPA WATCH LIST: EPA WATCH LIST

EPA maintains a "Watch List" to facilitate dialogue between EPA, state and local environmental agencies on enforcement matters relating to facilities with alleged violations identified as either significant or high priority. Being on the Watch List does not mean that the facility has actually violated the law only that an investigation by EPA or a state or local environmental agency has led those organizations to allege that an unproven violation has in fact occurred. Being on the Watch List does not represent a higher level of concern regarding the alleged violations that were detected, but instead indicates cases requiring additional dialogue between EPA, state and local agencies - primarily because of the length of time the alleged violation has gone unaddressed or unresolved.

Date of Government Version: 08/30/2013	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/21/2014	Telephone: 617-520-3000
Date Made Active in Reports: 06/17/2014	Last EDR Contact: 02/09/2016
Number of Days to Update: 88	Next Scheduled EDR Contact: 05/23/2016
	Data Release Frequency: Quarterly

### 2020 COR ACTION: 2020 Corrective Action Program List

The EPA has set ambitious goals for the RCRA Corrective Action program by creating the 2020 Corrective Action Universe. This RCRA cleanup baseline includes facilities expected to need corrective action. The 2020 universe contains a wide variety of sites. Some properties are heavily contaminated while others were contaminated but have since been cleaned up. Still others have not been fully investigated yet, and may require little or no remediation. Inclusion in the 2020 Universe does not necessarily imply failure on the part of a facility to meet its RCRA obligations.

Date of Government Version: 04/22/2013	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/03/2015	Telephone: 703-308-4044
Date Made Active in Reports: 03/09/2015	Last EDR Contact: 02/12/2016
Number of Days to Update: 6	Next Scheduled EDR Contact: 05/23/2016
	Data Release Frequency: Varies

### TSCA: Toxic Substances Control Act

Toxic Substances Control Act. TSCA identifies manufacturers and importers of chemical substances included on the TSCA Chemical Substance Inventory list. It includes data on the production volume of these substances by plant site.

Date of Government Version: 12/31/2012	Source: EPA
Date Data Arrived at EDR: 01/15/2015	Telephone: 202-260-5521
Date Made Active in Reports: 01/29/2015	Last EDR Contact: 03/24/2016
Number of Days to Update: 14	Next Scheduled EDR Contact: 07/04/2016
	Data Release Frequency: Every 4 Years

### TRIS: Toxic Chemical Release Inventory System

Toxic Release Inventory System. TRIS identifies facilities which release toxic chemicals to the air, water and land in reportable quantities under SARA Title III Section 313.

Date of Government Version: 12/31/2014	Source: EPA
Date Data Arrived at EDR: 11/24/2015	Telephone: 202-566-0250
Date Made Active in Reports: 04/05/2016	Last EDR Contact: 02/24/2016
Number of Days to Update: 133	Next Scheduled EDR Contact: 06/06/2016
	Data Release Frequency: Annually

### SSTS: Section 7 Tracking Systems

Section 7 of the Federal Insecticide, Fungicide and Rodenticide Act, as amended (92 Stat. 829) requires all registered pesticide-producing establishments to submit a report to the Environmental Protection Agency by March 1st each year. Each establishment must report the types and amounts of pesticides, active ingredients and devices being produced, and those having been produced and sold or distributed in the past year.

Date of Government Version: 12/31/2009	Source: EPA
Date Data Arrived at EDR: 12/10/2010	Telephone: 202-564-4203
Date Made Active in Reports: 02/25/2011	Last EDR Contact: 01/25/2016
Number of Days to Update: 77	Next Scheduled EDR Contact: 05/09/2016
	Data Release Frequency: Annually

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## ROD: Records Of Decision

Record of Decision. ROD documents mandate a permanent remedy at an NPL (Superfund) site containing technical and health information to aid in the cleanup.

Date of Government Version: 11/25/2013	Source: EPA
Date Data Arrived at EDR: 12/12/2013	Telephone: 703-416-0223
Date Made Active in Reports: 02/24/2014	Last EDR Contact: 03/08/2016
Number of Days to Update: 74	Next Scheduled EDR Contact: 06/20/2016
	Data Release Frequency: Annually

## RMP: Risk Management Plans

When Congress passed the Clean Air Act Amendments of 1990, it required EPA to publish regulations and guidance for chemical accident prevention at facilities using extremely hazardous substances. The Risk Management Program Rule (RMP Rule) was written to implement Section 112(r) of these amendments. The rule, which built upon existing industry codes and standards, requires companies of all sizes that use certain flammable and toxic substances to develop a Risk Management Program, which includes a(n): Hazard assessment that details the potential effects of an accidental release, an accident history of the last five years, and an evaluation of worst-case and alternative accidental releases; Prevention program that includes safety precautions and maintenance, monitoring, and employee training measures; and Emergency response program that spells out emergency health care, employee training measures and procedures for informing the public and response agencies (e.g the fire department) should an accident occur.

Date of Government Version: 08/01/2015	Source: Environmental Protection Agency
Date Data Arrived at EDR: 08/26/2015	Telephone: 202-564-8600
Date Made Active in Reports: 11/03/2015	Last EDR Contact: 01/25/2016
Number of Days to Update: 69	Next Scheduled EDR Contact: 05/09/2016
	Data Release Frequency: Varies

## RAATS: RCRA Administrative Action Tracking System

RCRA Administration Action Tracking System. RAATS contains records based on enforcement actions issued under RCRA pertaining to major violators and includes administrative and civil actions brought by the EPA. For administration actions after September 30, 1995, data entry in the RAATS database was discontinued. EPA will retain a copy of the database for historical records. It was necessary to terminate RAATS because a decrease in agency resources made it impossible to continue to update the information contained in the database.

Date of Government Version: 04/17/1995	Source: EPA
Date Data Arrived at EDR: 07/03/1995	Telephone: 202-564-4104
Date Made Active in Reports: 08/07/1995	Last EDR Contact: 06/02/2008
Number of Days to Update: 35	Next Scheduled EDR Contact: 09/01/2008
	Data Release Frequency: No Update Planned

## PRP: Potentially Responsible Parties

A listing of verified Potentially Responsible Parties

Date of Government Version: 10/25/2013	Source: EPA
Date Data Arrived at EDR: 10/17/2014	Telephone: 202-564-6023
Date Made Active in Reports: 10/20/2014	Last EDR Contact: 02/12/2016
Number of Days to Update: 3	Next Scheduled EDR Contact: 05/23/2016
	Data Release Frequency: Quarterly

## PADS: PCB Activity Database System

PCB Activity Database. PADS Identifies generators, transporters, commercial storers and/or brokers and disposers of PCB's who are required to notify the EPA of such activities.

Date of Government Version: 07/01/2014	Source: EPA
Date Data Arrived at EDR: 10/15/2014	Telephone: 202-566-0500
Date Made Active in Reports: 11/17/2014	Last EDR Contact: 04/12/2016
Number of Days to Update: 33	Next Scheduled EDR Contact: 07/25/2016
	Data Release Frequency: Annually

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## ICIS: Integrated Compliance Information System

The Integrated Compliance Information System (ICIS) supports the information needs of the national enforcement and compliance program as well as the unique needs of the National Pollutant Discharge Elimination System (NPDES) program.

Date of Government Version: 01/23/2015	Source: Environmental Protection Agency
Date Data Arrived at EDR: 02/06/2015	Telephone: 202-564-5088
Date Made Active in Reports: 03/09/2015	Last EDR Contact: 04/08/2016
Number of Days to Update: 31	Next Scheduled EDR Contact: 07/25/2016
	Data Release Frequency: Quarterly

**FTTS: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)**  
FTTS tracks administrative cases and pesticide enforcement actions and compliance activities related to FIFRA, TSCA and EPCRA (Emergency Planning and Community Right-to-Know Act). To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 04/09/2009	Source: EPA/Office of Prevention, Pesticides and Toxic Substances
Date Data Arrived at EDR: 04/16/2009	Telephone: 202-566-1667
Date Made Active in Reports: 05/11/2009	Last EDR Contact: 02/22/2016
Number of Days to Update: 25	Next Scheduled EDR Contact: 06/06/2016
	Data Release Frequency: Quarterly

**FTTS INSP: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)**  
A listing of FIFRA/TSCA Tracking System (FTTS) inspections and enforcements.

Date of Government Version: 04/09/2009	Source: EPA
Date Data Arrived at EDR: 04/16/2009	Telephone: 202-566-1667
Date Made Active in Reports: 05/11/2009	Last EDR Contact: 02/22/2016
Number of Days to Update: 25	Next Scheduled EDR Contact: 06/06/2016
	Data Release Frequency: Quarterly

## MLTS: Material Licensing Tracking System

MLTS is maintained by the Nuclear Regulatory Commission and contains a list of approximately 8,100 sites which possess or use radioactive materials and which are subject to NRC licensing requirements. To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 03/07/2016	Source: Nuclear Regulatory Commission
Date Data Arrived at EDR: 03/18/2016	Telephone: 301-415-7169
Date Made Active in Reports: 04/15/2016	Last EDR Contact: 02/08/2016
Number of Days to Update: 28	Next Scheduled EDR Contact: 05/23/2016
	Data Release Frequency: Quarterly

## COAL ASH DOE: Steam-Electric Plant Operation Data

A listing of power plants that store ash in surface ponds.

Date of Government Version: 12/31/2005	Source: Department of Energy
Date Data Arrived at EDR: 08/07/2009	Telephone: 202-586-8719
Date Made Active in Reports: 10/22/2009	Last EDR Contact: 04/15/2016
Number of Days to Update: 76	Next Scheduled EDR Contact: 07/25/2016
	Data Release Frequency: Varies

## COAL ASH EPA: Coal Combustion Residues Surface Impoundments List

A listing of coal combustion residues surface impoundments with high hazard potential ratings.

Date of Government Version: 07/01/2014	Source: Environmental Protection Agency
Date Data Arrived at EDR: 09/10/2014	Telephone: N/A
Date Made Active in Reports: 10/20/2014	Last EDR Contact: 03/11/2016
Number of Days to Update: 40	Next Scheduled EDR Contact: 06/20/2016
	Data Release Frequency: Varies



# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## PCB TRANSFORMER: PCB Transformer Registration Database

The database of PCB transformer registrations that includes all PCB registration submittals.

Date of Government Version: 02/01/2011	Source: Environmental Protection Agency
Date Data Arrived at EDR: 10/19/2011	Telephone: 202-566-0517
Date Made Active in Reports: 01/10/2012	Last EDR Contact: 01/29/2016
Number of Days to Update: 83	Next Scheduled EDR Contact: 05/09/2016
	Data Release Frequency: Varies

## RADINFO: Radiation Information Database

The Radiation Information Database (RADINFO) contains information about facilities that are regulated by U.S. Environmental Protection Agency (EPA) regulations for radiation and radioactivity.

Date of Government Version: 07/07/2015	Source: Environmental Protection Agency
Date Data Arrived at EDR: 07/09/2015	Telephone: 202-343-9775
Date Made Active in Reports: 09/16/2015	Last EDR Contact: 04/08/2016
Number of Days to Update: 69	Next Scheduled EDR Contact: 07/18/2016
	Data Release Frequency: Quarterly

## HIST FTTS: FIFRA/TSCA Tracking System Administrative Case Listing

A complete administrative case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

Date of Government Version: 10/19/2006	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/01/2007	Telephone: 202-564-2501
Date Made Active in Reports: 04/10/2007	Last EDR Contact: 12/17/2007
Number of Days to Update: 40	Next Scheduled EDR Contact: 03/17/2008
	Data Release Frequency: No Update Planned

## HIST FTTS INSP: FIFRA/TSCA Tracking System Inspection & Enforcement Case Listing

A complete inspection and enforcement case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

Date of Government Version: 10/19/2006	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/01/2007	Telephone: 202-564-2501
Date Made Active in Reports: 04/10/2007	Last EDR Contact: 12/17/2008
Number of Days to Update: 40	Next Scheduled EDR Contact: 03/17/2008
	Data Release Frequency: No Update Planned

## DOT OPS: Incident and Accident Data

Department of Transportation, Office of Pipeline Safety Incident and Accident data.

Date of Government Version: 07/31/2012	Source: Department of Transportation, Office of Pipeline Safety
Date Data Arrived at EDR: 08/07/2012	Telephone: 202-366-4595
Date Made Active in Reports: 09/18/2012	Last EDR Contact: 02/03/2016
Number of Days to Update: 42	Next Scheduled EDR Contact: 05/16/2016
	Data Release Frequency: Varies

## CONSENT: Superfund (CERCLA) Consent Decrees

Major legal settlements that establish responsibility and standards for cleanup at NPL (Superfund) sites. Released periodically by United States District Courts after settlement by parties to litigation matters.

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 12/31/2014  
Date Data Arrived at EDR: 04/17/2015  
Date Made Active in Reports: 06/02/2015  
Number of Days to Update: 46

Source: Department of Justice, Consent Decree Library  
Telephone: Varies  
Last EDR Contact: 03/24/2016  
Next Scheduled EDR Contact: 07/11/2016  
Data Release Frequency: Varies

## BRS: Biennial Reporting System

The Biennial Reporting System is a national system administered by the EPA that collects data on the generation and management of hazardous waste. BRS captures detailed data from two groups: Large Quantity Generators (LQG) and Treatment, Storage, and Disposal Facilities.

Date of Government Version: 12/31/2013  
Date Data Arrived at EDR: 02/24/2015  
Date Made Active in Reports: 09/30/2015  
Number of Days to Update: 218

Source: EPA/NTIS  
Telephone: 800-424-9346  
Last EDR Contact: 02/26/2016  
Next Scheduled EDR Contact: 06/06/2016  
Data Release Frequency: Biennially

## INDIAN RESERV: Indian Reservations

This map layer portrays Indian administered lands of the United States that have any area equal to or greater than 640 acres.

Date of Government Version: 12/31/2005  
Date Data Arrived at EDR: 12/08/2006  
Date Made Active in Reports: 01/11/2007  
Number of Days to Update: 34

Source: USGS  
Telephone: 202-208-3710  
Last EDR Contact: 04/15/2016  
Next Scheduled EDR Contact: 07/25/2016  
Data Release Frequency: Semi-Annually

## FUSRAP: Formerly Utilized Sites Remedial Action Program

DOE established the Formerly Utilized Sites Remedial Action Program (FUSRAP) in 1974 to remediate sites where radioactive contamination remained from Manhattan Project and early U.S. Atomic Energy Commission (AEC) operations.

Date of Government Version: 11/23/2015  
Date Data Arrived at EDR: 11/24/2015  
Date Made Active in Reports: 02/18/2016  
Number of Days to Update: 86

Source: Department of Energy  
Telephone: 202-586-3559  
Last EDR Contact: 02/08/2016  
Next Scheduled EDR Contact: 05/23/2016  
Data Release Frequency: Varies

## UMTRA: Uranium Mill Tailings Sites

Uranium ore was mined by private companies for federal government use in national defense programs. When the mills shut down, large piles of the sand-like material (mill tailings) remain after uranium has been extracted from the ore. Levels of human exposure to radioactive materials from the piles are low; however, in some cases tailings were used as construction materials before the potential health hazards of the tailings were recognized.

Date of Government Version: 09/14/2010  
Date Data Arrived at EDR: 10/07/2011  
Date Made Active in Reports: 03/01/2012  
Number of Days to Update: 146

Source: Department of Energy  
Telephone: 505-845-0011  
Last EDR Contact: 03/28/2016  
Next Scheduled EDR Contact: 06/06/2016  
Data Release Frequency: Varies

## LEAD SMELTER 1: Lead Smelter Sites

A listing of former lead smelter site locations.

Date of Government Version: 11/25/2014  
Date Data Arrived at EDR: 11/26/2014  
Date Made Active in Reports: 01/29/2015  
Number of Days to Update: 64

Source: Environmental Protection Agency  
Telephone: 703-603-8787  
Last EDR Contact: 04/07/2016  
Next Scheduled EDR Contact: 07/18/2016  
Data Release Frequency: Varies

## LEAD SMELTER 2: Lead Smelter Sites

A list of several hundred sites in the U.S. where secondary lead smelting was done from 1931 and 1964. These sites may pose a threat to public health through ingestion or inhalation of contaminated soil or dust

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 04/05/2001  
Date Data Arrived at EDR: 10/27/2010  
Date Made Active in Reports: 12/02/2010  
Number of Days to Update: 36

Source: American Journal of Public Health  
Telephone: 703-305-6451  
Last EDR Contact: 12/02/2009  
Next Scheduled EDR Contact: N/A  
Data Release Frequency: No Update Planned

## US AIRS (AFS): Aerometric Information Retrieval System Facility Subsystem (AFS)

The database is a sub-system of Aerometric Information Retrieval System (AIRS). AFS contains compliance data on air pollution point sources regulated by the U.S. EPA and/or state and local air regulatory agencies. This information comes from source reports by various stationary sources of air pollution, such as electric power plants, steel mills, factories, and universities, and provides information about the air pollutants they produce. Action, air program, air program pollutant, and general level plant data. It is used to track emissions and compliance data from industrial plants.

Date of Government Version: 10/20/2015  
Date Data Arrived at EDR: 10/27/2015  
Date Made Active in Reports: 01/04/2016  
Number of Days to Update: 69

Source: EPA  
Telephone: 202-564-2496  
Last EDR Contact: 03/24/2016  
Next Scheduled EDR Contact: 07/11/2016  
Data Release Frequency: Annually

## US AIRS MINOR: Air Facility System Data

A listing of minor source facilities.

Date of Government Version: 10/20/2015  
Date Data Arrived at EDR: 10/27/2015  
Date Made Active in Reports: 01/04/2016  
Number of Days to Update: 69

Source: EPA  
Telephone: 202-564-2496  
Last EDR Contact: 03/24/2016  
Next Scheduled EDR Contact: 07/11/2016  
Data Release Frequency: Annually

## US MINES: Mines Master Index File

Contains all mine identification numbers issued for mines active or opened since 1971. The data also includes violation information.

Date of Government Version: 02/09/2016  
Date Data Arrived at EDR: 03/02/2016  
Date Made Active in Reports: 04/15/2016  
Number of Days to Update: 44

Source: Department of Labor, Mine Safety and Health Administration  
Telephone: 303-231-5959  
Last EDR Contact: 03/02/2016  
Next Scheduled EDR Contact: 06/13/2016  
Data Release Frequency: Semi-Annually

## US MINES 2: Ferrous and Nonferrous Metal Mines Database Listing

This map layer includes ferrous (ferrous metal mines are facilities that extract ferrous metals, such as iron ore or molybdenum) and nonferrous (Nonferrous metal mines are facilities that extract nonferrous metals, such as gold, silver, copper, zinc, and lead) metal mines in the United States.

Date of Government Version: 12/05/2005  
Date Data Arrived at EDR: 02/29/2008  
Date Made Active in Reports: 04/18/2008  
Number of Days to Update: 49

Source: USGS  
Telephone: 703-648-7709  
Last EDR Contact: 03/04/2016  
Next Scheduled EDR Contact: 06/13/2016  
Data Release Frequency: Varies

## US MINES 3: Active Mines & Mineral Plants Database Listing

Active Mines and Mineral Processing Plant operations for commodities monitored by the Minerals Information Team of the USGS.

Date of Government Version: 04/14/2011  
Date Data Arrived at EDR: 06/08/2011  
Date Made Active in Reports: 09/13/2011  
Number of Days to Update: 97

Source: USGS  
Telephone: 703-648-7709  
Last EDR Contact: 03/04/2016  
Next Scheduled EDR Contact: 06/13/2016  
Data Release Frequency: Varies

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## FINDS: Facility Index System/Facility Registry System

Facility Index System. FINDS contains both facility information and 'pointers' to other sources that contain more detail. EDR includes the following FINDS databases in this report: PCS (Permit Compliance System), AIRS (Aerometric Information Retrieval System), DOCKET (Enforcement Docket used to manage and track information on civil judicial enforcement cases for all environmental statutes), FURS (Federal Underground Injection Control), C-DOCKET (Criminal Docket System used to track criminal enforcement actions for all environmental statutes), FFIS (Federal Facilities Information System), STATE (State Environmental Laws and Statutes), and PADS (PCB Activity Data System).

Date of Government Version: 07/20/2015	Source: EPA
Date Data Arrived at EDR: 09/09/2015	Telephone: (206) 553-1200
Date Made Active in Reports: 11/03/2015	Last EDR Contact: 03/08/2016
Number of Days to Update: 55	Next Scheduled EDR Contact: 06/20/2016
	Data Release Frequency: Quarterly

## AIRS (EMI): Washington Emissions Data System

Emissions inventory data.

Date of Government Version: 12/31/2014	Source: Department of Ecology
Date Data Arrived at EDR: 12/23/2015	Telephone: 360-407-6040
Date Made Active in Reports: 02/04/2016	Last EDR Contact: 03/22/2016
Number of Days to Update: 43	Next Scheduled EDR Contact: 07/04/2016
	Data Release Frequency: Annually

## COAL ASH: Coal Ash Disposal Site Listing

A listing of coal ash disposal site locations.

Date of Government Version: 09/10/2014	Source: Department of Ecology
Date Data Arrived at EDR: 09/11/2014	Telephone: 360-407-6933
Date Made Active in Reports: 10/15/2014	Last EDR Contact: 03/07/2016
Number of Days to Update: 34	Next Scheduled EDR Contact: 06/20/2016
	Data Release Frequency: Varies

## DRYCLEANERS: Drycleaner List

A listing of registered drycleaners who registered with the Department of Ecology (using the SIC code of 7215 and 7216) as hazardous waste generators.

Date of Government Version: 12/31/2014	Source: Department of Ecology
Date Data Arrived at EDR: 05/01/2015	Telephone: 360-407-6732
Date Made Active in Reports: 05/22/2015	Last EDR Contact: 04/18/2016
Number of Days to Update: 21	Next Scheduled EDR Contact: 08/01/2016
	Data Release Frequency: Varies

## Financial Assurance 1: Financial Assurance Information Listing

A listing of financial assurance information for underground storage tank facilities. Financial assurance is intended to ensure that resources are available to pay for the cost of closure, post-closure care, and corrective measures if the owner or operator of a regulated facility is unable or unwilling to pay.

Date of Government Version: 02/24/2012	Source: Department of Ecology
Date Data Arrived at EDR: 02/24/2012	Telephone: 360-586-1060
Date Made Active in Reports: 03/27/2012	Last EDR Contact: 02/16/2016
Number of Days to Update: 32	Next Scheduled EDR Contact: 05/30/2016
	Data Release Frequency: Varies

## Financial Assurance 2: Financial Assurance Information Listing

A listing of financial assurance information for hazardous waste facilities. Financial assurance is intended to ensure that resources are available to pay for the cost of closure, post-closure care, and corrective measures if the owner or operator of a regulated facility is unable or unwilling to pay.

Date of Government Version: 11/16/2015	Source: Department of Ecology
Date Data Arrived at EDR: 11/17/2015	Telephone: 360-407-6754
Date Made Active in Reports: 12/14/2015	Last EDR Contact: 02/16/2016
Number of Days to Update: 27	Next Scheduled EDR Contact: 05/30/2016
	Data Release Frequency: Varies

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## Financial Assurance 3: Financial Assurance Information Listing

A listing of financial assurance information for solid waste facilities. Financial assurance is intended to ensure that resources are available to pay for the cost of closure, post-closure care, and corrective measures if the owner or operator of a regulated facility is unable or unwilling to pay.

Date of Government Version: 02/01/2001	Source: Department of Ecology
Date Data Arrived at EDR: 03/06/2007	Telephone: 360-407-6136
Date Made Active in Reports: 04/19/2007	Last EDR Contact: 02/19/2016
Number of Days to Update: 44	Next Scheduled EDR Contact: 05/30/2016
	Data Release Frequency: Varies

## INACTIVE DRYCLEANERS: Inactive Drycleaners

A listing of inactive drycleaner facility locations.

Date of Government Version: 12/31/2014	Source: Department of Ecology
Date Data Arrived at EDR: 05/01/2015	Telephone: 360-407-6732
Date Made Active in Reports: 05/29/2015	Last EDR Contact: 04/18/2016
Number of Days to Update: 28	Next Scheduled EDR Contact: 08/01/2016
	Data Release Frequency: Annually

## WA MANIFEST: Hazardous Waste Manifest Data

Hazardous waste manifest information.

Date of Government Version: 12/31/2014	Source: Department of Ecology
Date Data Arrived at EDR: 05/01/2015	Telephone: N/A
Date Made Active in Reports: 05/29/2015	Last EDR Contact: 04/18/2016
Number of Days to Update: 28	Next Scheduled EDR Contact: 08/01/2016
	Data Release Frequency: Annually

## NPDES: Water Quality Permit System Data

A listing of permitted wastewater facilities.

Date of Government Version: 10/20/2015	Source: Department of Ecology
Date Data Arrived at EDR: 10/22/2015	Telephone: 360-407-6073
Date Made Active in Reports: 12/14/2015	Last EDR Contact: 01/22/2016
Number of Days to Update: 53	Next Scheduled EDR Contact: 05/02/2016
	Data Release Frequency: Quarterly

## UIC: Underground Injection Wells Listing

A listing of underground injection wells.

Date of Government Version: 11/17/2015	Source: Department of Ecology
Date Data Arrived at EDR: 11/20/2015	Telephone: 360-407-6143
Date Made Active in Reports: 01/20/2016	Last EDR Contact: 04/19/2016
Number of Days to Update: 61	Next Scheduled EDR Contact: 08/01/2016
	Data Release Frequency: Varies

## ECHO: Enforcement & Compliance History Information

ECHO provides integrated compliance and enforcement information for about 800,000 regulated facilities nationwide.

Date of Government Version: 09/20/2015	Source: Environmental Protection Agency
Date Data Arrived at EDR: 09/23/2015	Telephone: 202-564-2280
Date Made Active in Reports: 01/04/2016	Last EDR Contact: 03/23/2016
Number of Days to Update: 103	Next Scheduled EDR Contact: 07/04/2016
	Data Release Frequency: Quarterly

## FUELS PROGRAM: EPA Fuels Program Registered Listing

This listing includes facilities that are registered under the Part 80 (Code of Federal Regulations) EPA Fuels Programs. All companies now are required to submit new and updated registrations.

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 11/23/2015  
Date Data Arrived at EDR: 11/24/2015  
Date Made Active in Reports: 02/18/2016  
Number of Days to Update: 86

Source: EPA  
Telephone: 800-385-6164  
Last EDR Contact: 02/24/2016  
Next Scheduled EDR Contact: 06/06/2016  
Data Release Frequency: Quarterly

## **EDR HIGH RISK HISTORICAL RECORDS**

### ***EDR Exclusive Records***

#### **EDR MGP: EDR Proprietary Manufactured Gas Plants**

The EDR Proprietary Manufactured Gas Plant Database includes records of coal gas plants (manufactured gas plants) compiled by EDR's researchers. Manufactured gas sites were used in the United States from the 1800's to 1950's to produce a gas that could be distributed and used as fuel. These plants used whale oil, rosin, coal, or a mixture of coal, oil, and water that also produced a significant amount of waste. Many of the byproducts of the gas production, such as coal tar (oily waste containing volatile and non-volatile chemicals), sludges, oils and other compounds are potentially hazardous to human health and the environment. The byproduct from this process was frequently disposed of directly at the plant site and can remain or spread slowly, serving as a continuous source of soil and groundwater contamination.

Date of Government Version: N/A  
Date Data Arrived at EDR: N/A  
Date Made Active in Reports: N/A  
Number of Days to Update: N/A

Source: EDR, Inc.  
Telephone: N/A  
Last EDR Contact: N/A  
Next Scheduled EDR Contact: N/A  
Data Release Frequency: No Update Planned

#### **EDR Hist Auto: EDR Exclusive Historic Gas Stations**

EDR has searched selected national collections of business directories and has collected listings of potential gas station/filling station/service station sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include gas station/filling station/service station establishments. The categories reviewed included, but were not limited to gas, gas station, gasoline station, filling station, auto, automobile repair, auto service station, service station, etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

Date of Government Version: N/A  
Date Data Arrived at EDR: N/A  
Date Made Active in Reports: N/A  
Number of Days to Update: N/A

Source: EDR, Inc.  
Telephone: N/A  
Last EDR Contact: N/A  
Next Scheduled EDR Contact: N/A  
Data Release Frequency: Varies

#### **EDR Hist Cleaner: EDR Exclusive Historic Dry Cleaners**

EDR has searched selected national collections of business directories and has collected listings of potential dry cleaner sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include dry cleaning establishments. The categories reviewed included, but were not limited to dry cleaners, cleaners, laundry, laundromat, cleaning/laundry, wash & dry etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

Date of Government Version: N/A  
Date Data Arrived at EDR: N/A  
Date Made Active in Reports: N/A  
Number of Days to Update: N/A

Source: EDR, Inc.  
Telephone: N/A  
Last EDR Contact: N/A  
Next Scheduled EDR Contact: N/A  
Data Release Frequency: Varies

## **EDR RECOVERED GOVERNMENT ARCHIVES**

### ***Exclusive Recovered Govt. Archives***

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## RGA HWS: Recovered Government Archive State Hazardous Waste Facilities List

The EDR Recovered Government Archive State Hazardous Waste database provides a list of SHWS incidents derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the Department of Ecology in Washington.

Date of Government Version: N/A	Source: Department of Ecology
Date Data Arrived at EDR: 07/01/2013	Telephone: N/A
Date Made Active in Reports: 12/24/2013	Last EDR Contact: 06/01/2012
Number of Days to Update: 176	Next Scheduled EDR Contact: N/A
	Data Release Frequency: Varies

## RGA LF: Recovered Government Archive Solid Waste Facilities List

The EDR Recovered Government Archive Landfill database provides a list of landfills derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the Department of Ecology in Washington.

Date of Government Version: N/A	Source: Department of Ecology
Date Data Arrived at EDR: 07/01/2013	Telephone: N/A
Date Made Active in Reports: 01/10/2014	Last EDR Contact: 06/01/2012
Number of Days to Update: 193	Next Scheduled EDR Contact: N/A
	Data Release Frequency: Varies

## RGA LUST: Recovered Government Archive Leaking Underground Storage Tank

The EDR Recovered Government Archive Leaking Underground Storage Tank database provides a list of LUST incidents derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the Department of Ecology in Washington.

Date of Government Version: N/A	Source: Department of Ecology
Date Data Arrived at EDR: 07/01/2013	Telephone: N/A
Date Made Active in Reports: 12/24/2013	Last EDR Contact: 06/01/2012
Number of Days to Update: 176	Next Scheduled EDR Contact: N/A
	Data Release Frequency: Varies

## COUNTY RECORDS

### KING COUNTY:

#### Abandoned Landfill Study in King County

The King County Abandoned Landfill Survey was conducted from October through December 1984 by the Health Department's Environmental Health Division at the request of the King County Council. The primary objective of the survey was to determine if any public health problems existed at the predetermined 24 sites.

Date of Government Version: 04/30/1985	Source: Seattle-King County Department of Public Health
Date Data Arrived at EDR: 11/07/1994	Telephone: 206-296-4785
Date Made Active in Reports: N/A	Last EDR Contact: 10/21/1994
Number of Days to Update: 0	Next Scheduled EDR Contact: N/A
	Data Release Frequency: No Update Planned

### SEATTLE COUNTY:

#### Abandoned Landfill Study in the City of Seattle

The Seattle Abandoned Landfill Survey was conducted in June and July of 1984 by the Health Department's Environmental Health Division at the request of the Mayor's Office. The primary objective of the survey was to determine if any public health problems existed at the predetermined 12 sites.

Date of Government Version: 07/30/1984	Source: Seattle - King County Department of Public Health
Date Data Arrived at EDR: 11/07/1994	Telephone: 206-296-4785
Date Made Active in Reports: N/A	Last EDR Contact: 10/21/1994
Number of Days to Update: 0	Next Scheduled EDR Contact: N/A
	Data Release Frequency: No Update Planned

### SEATTLE/KING COUNTY:

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## Seattle - King County Abandoned Landfill Toxicity / Hazard Assessment Project

This report presents the Seattle-King County Health Department's follow-up investigation of two city owned and four county owned abandoned landfills which was conducted from February to December 1986.

Date of Government Version: 12/31/1986  
Date Data Arrived at EDR: 08/18/1995  
Date Made Active in Reports: 09/20/1995  
Number of Days to Update: 33

Source: Department of Public Health  
Telephone: 206-296-4785  
Last EDR Contact: 08/14/1995  
Next Scheduled EDR Contact: N/A  
Data Release Frequency: No Update Planned

## SNOHOMISH COUNTY:

### Solid Waste Sites of Record at Snohomish Health District

Solid waste disposal and/or utilization sites in Snohomish County.

Date of Government Version: 11/16/2011  
Date Data Arrived at EDR: 03/29/2012  
Date Made Active in Reports: 05/03/2012  
Number of Days to Update: 35

Source: Snohomish Health District  
Telephone: 206-339-5250  
Last EDR Contact: 03/24/2016  
Next Scheduled EDR Contact: 07/04/2016  
Data Release Frequency: Semi-Annually

## TACOMA/PIERCE COUNTY:

### Closed Landfill Survey

Following numerous requests for information about closed dumpsites and landfills in Pierce County, the Tacoma-Pierce County Health Department decided to conduct a study on the matter. The aim of the study was to evaluate public health risks associated with the closed dumpsites and landfills, and to determine the need, if any, for further investigations of a more detailed nature. The sites represent all of the known dumpsites and landfills closed after 1950.

Date of Government Version: 09/01/2002  
Date Data Arrived at EDR: 03/24/2003  
Date Made Active in Reports: 05/14/2003  
Number of Days to Update: 51

Source: Tacoma-Pierce County Health Department  
Telephone: 206-591-6500  
Last EDR Contact: 03/19/2003  
Next Scheduled EDR Contact: N/A  
Data Release Frequency: No Update Planned

## OTHER DATABASE(S)

Depending on the geographic area covered by this report, the data provided in these specialty databases may or may not be complete. For example, the existence of wetlands information data in a specific report does not mean that all wetlands in the area covered by the report are included. Moreover, the absence of any reported wetlands information does not necessarily mean that wetlands do not exist in the area covered by the report.

### CT MANIFEST: Hazardous Waste Manifest Data

Facility and manifest data. Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a tsd facility.

Date of Government Version: 07/30/2013  
Date Data Arrived at EDR: 08/19/2013  
Date Made Active in Reports: 10/03/2013  
Number of Days to Update: 45

Source: Department of Energy & Environmental Protection  
Telephone: 860-424-3375  
Last EDR Contact: 02/18/2016  
Next Scheduled EDR Contact: 05/30/2016  
Data Release Frequency: No Update Planned

### NY MANIFEST: Facility and Manifest Data

Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a TSD facility.



# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 02/01/2016  
Date Data Arrived at EDR: 02/03/2016  
Date Made Active in Reports: 03/22/2016  
Number of Days to Update: 48

Source: Department of Environmental Conservation  
Telephone: 518-402-8651  
Last EDR Contact: 02/03/2016  
Next Scheduled EDR Contact: 05/16/2016  
Data Release Frequency: Annually

## PA MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 12/31/2014  
Date Data Arrived at EDR: 07/24/2015  
Date Made Active in Reports: 08/18/2015  
Number of Days to Update: 25

Source: Department of Environmental Protection  
Telephone: 717-783-8990  
Last EDR Contact: 04/18/2016  
Next Scheduled EDR Contact: 08/01/2016  
Data Release Frequency: Annually

## WI MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 12/31/2014  
Date Data Arrived at EDR: 03/19/2015  
Date Made Active in Reports: 04/07/2015  
Number of Days to Update: 19

Source: Department of Natural Resources  
Telephone: N/A  
Last EDR Contact: 03/14/2016  
Next Scheduled EDR Contact: 06/27/2016  
Data Release Frequency: Annually

## Oil/Gas Pipelines

Source: PennWell Corporation

Petroleum Bundle (Crude Oil, Refined Products, Petrochemicals, Gas Liquids (LPG/NGL), and Specialty Gases (Miscellaneous)) N = Natural Gas Bundle (Natural Gas, Gas Liquids (LPG/NGL), and Specialty Gases (Miscellaneous)). This map includes information copyrighted by PennWell Corporation. This information is provided on a best effort basis and PennWell Corporation does not guarantee its accuracy nor warrant its fitness for any particular purpose. Such information has been reprinted with the permission of PennWell.

## Electric Power Transmission Line Data

Source: PennWell Corporation

This map includes information copyrighted by PennWell Corporation. This information is provided on a best effort basis and PennWell Corporation does not guarantee its accuracy nor warrant its fitness for any particular purpose. Such information has been reprinted with the permission of PennWell.

**Sensitive Receptors:** There are individuals deemed sensitive receptors due to their fragile immune systems and special sensitivity to environmental discharges. These sensitive receptors typically include the elderly, the sick, and children. While the location of all sensitive receptors cannot be determined, EDR indicates those buildings and facilities - schools, daycares, hospitals, medical centers, and nursing homes - where individuals who are sensitive receptors are likely to be located.

## AHA Hospitals:

Source: American Hospital Association, Inc.  
Telephone: 312-280-5991

The database includes a listing of hospitals based on the American Hospital Association's annual survey of hospitals.

## Medical Centers: Provider of Services Listing

Source: Centers for Medicare & Medicaid Services  
Telephone: 410-786-3000

A listing of hospitals with Medicare provider number, produced by Centers of Medicare & Medicaid Services, a federal agency within the U.S. Department of Health and Human Services.

## Nursing Homes

Source: National Institutes of Health  
Telephone: 301-594-6248

Information on Medicare and Medicaid certified nursing homes in the United States.

## Public Schools

Source: National Center for Education Statistics  
Telephone: 202-502-7300

The National Center for Education Statistics' primary database on elementary and secondary public education in the United States. It is a comprehensive, annual, national statistical database of all public elementary and secondary schools and school districts, which contains data that are comparable across all states.

## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

### Private Schools

Source: National Center for Education Statistics

Telephone: 202-502-7300

The National Center for Education Statistics' primary database on private school locations in the United States.

### Daycare Centers: Daycare Center Listing

Source: Department of Social & Health Services

Telephone: 253-383-1735

**Flood Zone Data:** This data, available in select counties across the country, was obtained by EDR in 2003 & 2011 from the Federal Emergency Management Agency (FEMA). Data depicts 100-year and 500-year flood zones as defined by FEMA.

**NWI:** National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002, 2005 and 2010 from the U.S. Fish and Wildlife Service.

### State Wetlands Data: Wetland Inventory

Source: Department of Ecology

Telephone: 360-407-6121

### Current USGS 7.5 Minute Topographic Map

Source: U.S. Geological Survey

### **STREET AND ADDRESS INFORMATION**

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## GEOCHECK<sup>®</sup> - PHYSICAL SETTING SOURCE ADDENDUM

### TARGET PROPERTY ADDRESS

EAST MILL PLAIN CENTER  
400 EAST MILL PLAIN BLVD.  
VANCOUVER, WA 98663

### TARGET PROPERTY COORDINATES

Latitude (North):	45.632332 - 45° 37' 56.40"
Longitude (West):	122.667669 - 122° 40' 3.61"
Universal Tranverse Mercator:	Zone 10
UTM X (Meters):	525903.8
UTM Y (Meters):	5053034.5
Elevation:	91 ft. above sea level

### USGS TOPOGRAPHIC MAP

Target Property Map:	5995774 VANCOUVER, WA
Version Date:	2014
South Map:	6067252 PORTLAND, OR
Version Date:	2014

EDR's GeoCheck Physical Setting Source Addendum is provided to assist the environmental professional in forming an opinion about the impact of potential contaminant migration.

Assessment of the impact of contaminant migration generally has two principal investigative components:

1. Groundwater flow direction, and
2. Groundwater flow velocity.

Groundwater flow direction may be impacted by surface topography, hydrology, hydrogeology, characteristics of the soil, and nearby wells. Groundwater flow velocity is generally impacted by the nature of the geologic strata.

# GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

## GROUNDWATER FLOW DIRECTION INFORMATION

Groundwater flow direction for a particular site is best determined by a qualified environmental professional using site-specific well data. If such data is not reasonably ascertainable, it may be necessary to rely on other sources of information, such as surface topographic information, hydrologic information, hydrogeologic data collected on nearby properties, and regional groundwater flow information (from deep aquifers).

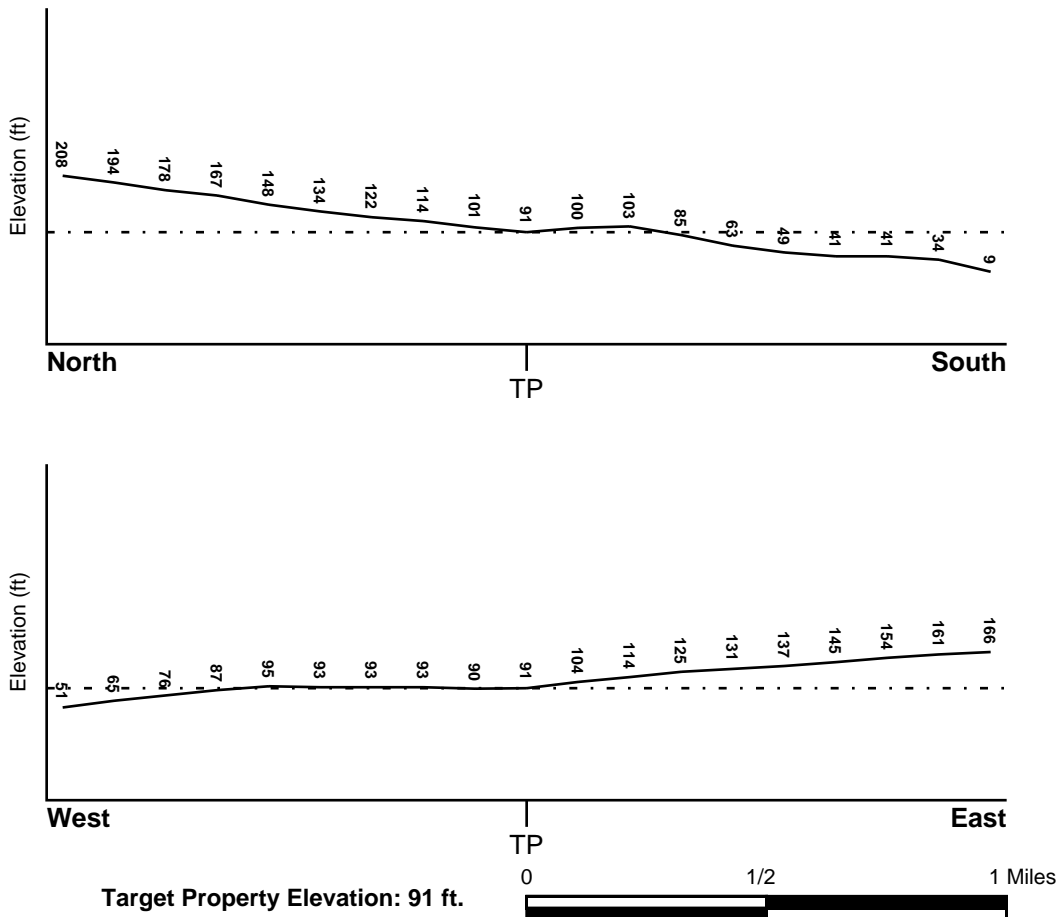
## TOPOGRAPHIC INFORMATION

Surface topography may be indicative of the direction of surficial groundwater flow. This information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

## TARGET PROPERTY TOPOGRAPHY

General Topographic Gradient: General WSW

## SURROUNDING TOPOGRAPHY: ELEVATION PROFILES



Source: Topography has been determined from the USGS 7.5' Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified.

# GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

## HYDROLOGIC INFORMATION

Surface water can act as a hydrologic barrier to groundwater flow. Such hydrologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Refer to the Physical Setting Source Map following this summary for hydrologic information (major waterways and bodies of water).

## FEMA FLOOD ZONE

<u>Target Property County</u> CLARK, WA	<u>FEMA Flood Electronic Data</u> YES - refer to the Overview Map and Detail Map
--	---

Flood Plain Panel at Target Property: 5300270007B - FEMA Q3 Flood data

Additional Panels in search area:

- 5300270003B - FEMA Q3 Flood data
- 5300270004B - FEMA Q3 Flood data
- 5300240000A - FEMA Q3 Flood data
- 5300270006B - FEMA Q3 Flood data
- 5300240293B - FEMA Q3 Flood data
- 5300240294B - FEMA Q3 Flood data

## NATIONAL WETLAND INVENTORY

<u>NWI Quad at Target Property</u> VANCOUVER	<u>NWI Electronic Data Coverage</u> YES - refer to the Overview Map and Detail Map
---	---

## HYDROGEOLOGIC INFORMATION

Hydrogeologic information obtained by installation of wells on a specific site can often be an indicator of groundwater flow direction in the immediate area. Such hydrogeologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

### **Site-Specific Hydrogeological Data\*:**

Search Radius:	1.25 miles
Status:	Not found

## AQUIFLOW®

Search Radius: 1.000 Mile.

EDR has developed the AQUIFLOW Information System to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted by environmental professionals to regulatory authorities at select sites and has extracted the date of the report, groundwater flow direction as determined hydrogeologically, and the depth to water table.

<u>MAP ID</u>	<u>LOCATION FROM TP</u>	<u>GENERAL DIRECTION GROUNDWATER FLOW</u>
C10	1/4 - 1/2 Mile SW	SSW
15	1/2 - 1 Mile SW	Not Reported

For additional site information, refer to Physical Setting Source Map Findings.

## GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

### GROUNDWATER FLOW VELOCITY INFORMATION

Groundwater flow velocity information for a particular site is best determined by a qualified environmental professional using site specific geologic and soil strata data. If such data are not reasonably ascertainable, it may be necessary to rely on other sources of information, including geologic age identification, rock stratigraphic unit and soil characteristics data collected on nearby properties and regional soil information. In general, contaminant plumes move more quickly through sandy-gravelly types of soils than silty-clayey types of soils.

### GEOLOGIC INFORMATION IN GENERAL AREA OF TARGET PROPERTY

Geologic information can be used by the environmental professional in forming an opinion about the relative speed at which contaminant migration may be occurring.

#### **ROCK STRATIGRAPHIC UNIT**

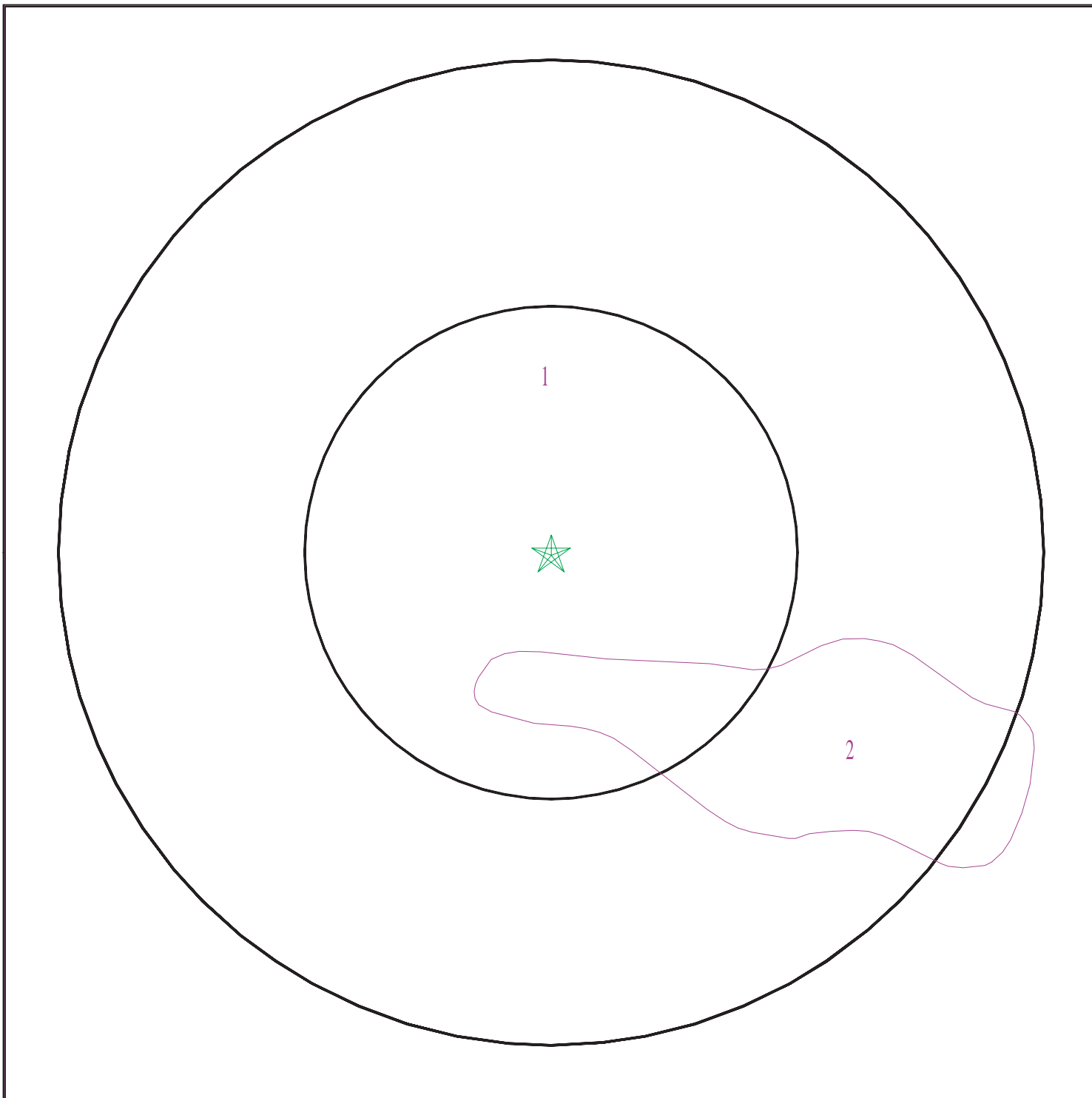
Era: Cenozoic  
System: Quaternary  
Series: Quaternary  
Code: Q (*decoded above as Era, System & Series*)

#### **GEOLOGIC AGE IDENTIFICATION**

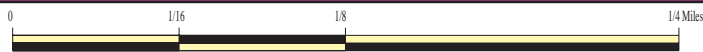
Category: Stratified Sequence

Geologic Age and Rock Stratigraphic Unit Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - a digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

# SSURGO SOIL MAP - 4597875.2s



- ★ Target Property
- ∩ SSURGO Soil
- ∩ Water



SITE NAME: East Mill Plain Center  
ADDRESS: 400 East Mill Plain Blvd.  
Vancouver WA 98663  
LAT/LONG: 45.632332 / 122.667669

CLIENT: Coles & Betts Environmental Consulting LLC  
CONTACT: Jill Betts  
INQUIRY #: 4597875.2s  
DATE: April 20, 2016 6:57 pm

# GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

## DOMINANT SOIL COMPOSITION IN GENERAL AREA OF TARGET PROPERTY

The U.S. Department of Agriculture's (USDA) Soil Conservation Service (SCS) leads the National Cooperative Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. The following information is based on Soil Conservation Service SSURGO data.

### Soil Map ID: 1

Soil Component Name: Lauren

Soil Surface Texture: gravelly loam

Hydrologic Group: Class B - Moderate infiltration rates. Deep and moderately deep, moderately well and well drained soils with moderately coarse textures.

Soil Drainage Class: Somewhat excessively drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Moderate

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	0 inches	5 inches	gravelly loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), silt.	Max: 14 Min: 4	Max: 6.5 Min: 5.6
2	5 inches	33 inches	very gravelly loam	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 14 Min: 4	Max: 6.5 Min: 5.6
3	33 inches	44 inches	very gravelly coarse sandy loam	Granular materials (35 pct. or less passing No. 200), Stone Fragments, Gravel and Sand.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 42 Min: 4	Max: 6.5 Min: 6.1



## GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
4	44 inches	59 inches	very gravelly loamy coarse sand	Granular materials (35 pct. or less passing No. 200), Stone Fragments, Gravel and Sand.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 141 Min: 42	Max: 7.3 Min: 6.1

### Soil Map ID: 2

Soil Component Name: Lauren

Soil Surface Texture: gravelly loam

Hydrologic Group: Class B - Moderate infiltration rates. Deep and moderately deep, moderately well and well drained soils with moderately coarse textures.

Soil Drainage Class: Somewhat excessively drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Moderate

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	0 inches	3 inches	gravelly loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), silt.	Max: 14 Min: 4	Max: 6.5 Min: 5.6
2	3 inches	31 inches	very gravelly loam	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 14 Min: 4	Max: 6.5 Min: 5.6

## GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
3	31 inches	44 inches	very gravelly coarse sandy loam	Granular materials (35 pct. or less passing No. 200), Stone Fragments, Gravel and Sand.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 42 Min: 4	Max: 6.5 Min: 6.1
4	44 inches	59 inches	very gravelly loamy coarse sand	Granular materials (35 pct. or less passing No. 200), Stone Fragments, Gravel and Sand.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 141 Min: 42	Max: 7.3 Min: 6.1

### LOCAL / REGIONAL WATER AGENCY RECORDS

EDR Local/Regional Water Agency records provide water well information to assist the environmental professional in assessing sources that may impact ground water flow direction, and in forming an opinion about the impact of contaminant migration on nearby drinking water wells.

### WELL SEARCH DISTANCE INFORMATION

<u>DATABASE</u>	<u>SEARCH DISTANCE (miles)</u>
Federal USGS	1.000
Federal FRDS PWS	Nearest PWS within 1 mile
State Database	1.000

### FEDERAL USGS WELL INFORMATION

<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
1	USGS40001207712	1/8 - 1/4 Mile WSW
A2	USGS40001207666	1/8 - 1/4 Mile SE
A3	USGS40001207683	1/8 - 1/4 Mile ESE
A4	USGS40001207684	1/8 - 1/4 Mile ESE
B5	USGS40001207667	1/4 - 1/2 Mile SW
B6	USGS40001207668	1/4 - 1/2 Mile SW
7	USGS40001207674	1/4 - 1/2 Mile ESE

# GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

## FEDERAL USGS WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
9	USGS40001207660	1/4 - 1/2 Mile ESE
C11	USGS40001207637	1/4 - 1/2 Mile SW
12	USGS40001207675	1/2 - 1 Mile WSW
D13	USGS40001207608	1/2 - 1 Mile SSW
D14	USGS40001207609	1/2 - 1 Mile SSW
16	USGS40001207743	1/2 - 1 Mile East
E17	USGS40001207594	1/2 - 1 Mile SW
E18	USGS40001207593	1/2 - 1 Mile SW
E19	USGS40001207592	1/2 - 1 Mile SW
E20	USGS40001207597	1/2 - 1 Mile SW
E21	USGS40001207596	1/2 - 1 Mile SW
E22	USGS40001207595	1/2 - 1 Mile SW
F23	USGS40001207610	1/2 - 1 Mile SW
F24	USGS40001207601	1/2 - 1 Mile SW
25	USGS40001207618	1/2 - 1 Mile WSW
26	USGS40001207750	1/2 - 1 Mile East
27	USGS40001207836	1/2 - 1 Mile NE
28	USGS40001207623	1/2 - 1 Mile WSW
29	USGS40001207624	1/2 - 1 Mile WSW
30	USGS40001207943	1/2 - 1 Mile North
G31	USGS40001207773	1/2 - 1 Mile ENE

## FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION

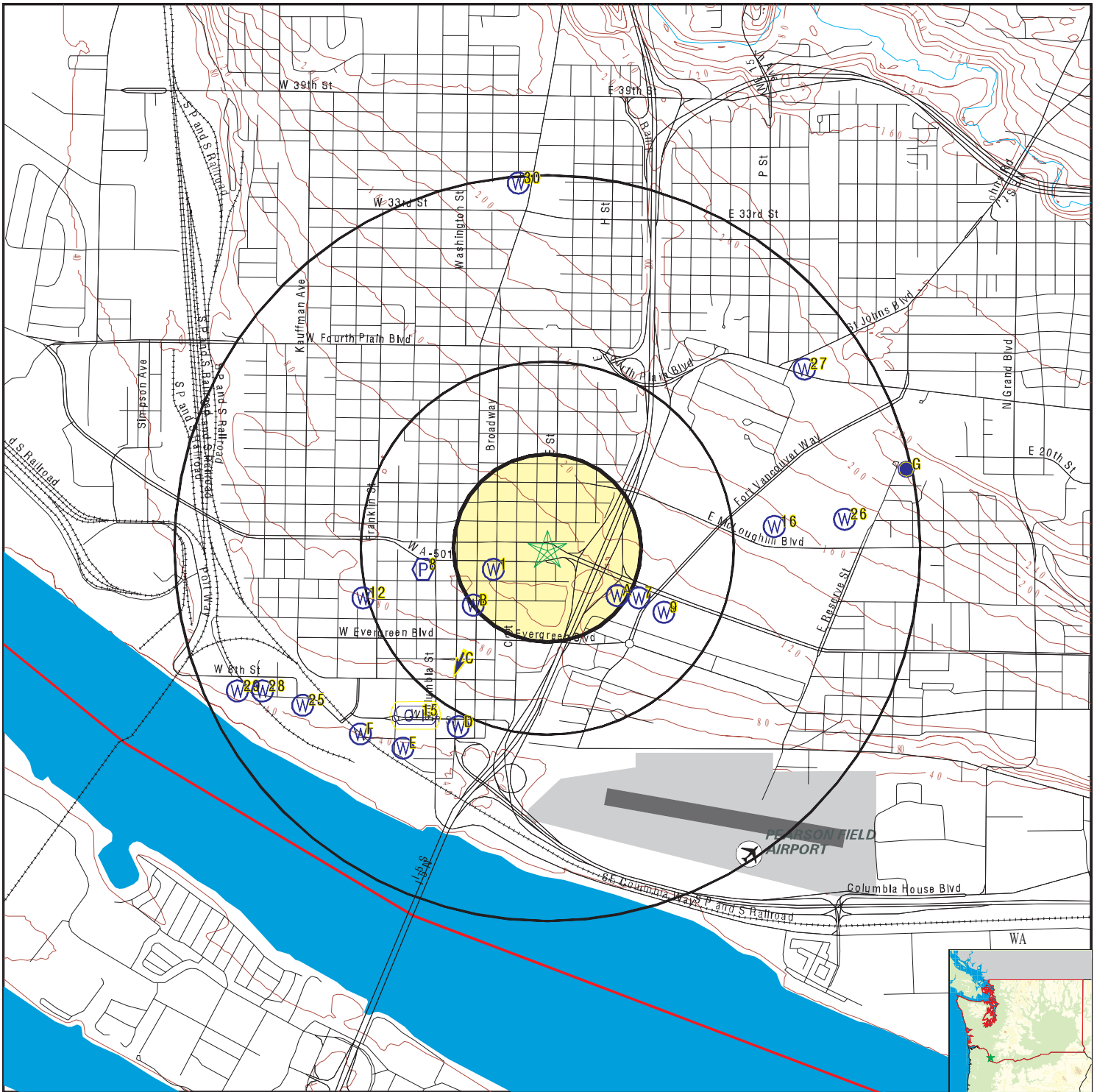
MAP ID	WELL ID	LOCATION FROM TP
8	WA5301765	1/4 - 1/2 Mile West

Note: PWS System location is not always the same as well location.

## STATE DATABASE WELL INFORMATION

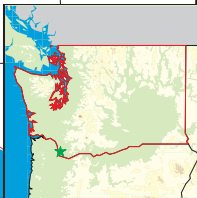
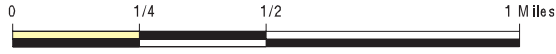
MAP ID	WELL ID	LOCATION FROM TP
G32	WA8000000018187	1/2 - 1 Mile ENE

# PHYSICAL SETTING SOURCE MAP - 4597875.2s



- County Boundary
- Major Roads
- Contour Lines
- Airports
- Earthquake epicenter, Richter 5 or greater
- Water Wells
- Public Water Supply Wells
- Cluster of Multiple Icons

- Groundwater Flow Direction
- Indeterminate Groundwater Flow at Location
- Groundwater Flow Varies at Location
- Closest Hydrogeological Data



SITE NAME: East Mill Plain Center  
 ADDRESS: 400 East Mill Plain Blvd.  
 Vancouver WA 98663  
 LAT/LONG: 45.632332 / 122.667669

CLIENT: Coles & Betts Environmental Consulting LLC  
 CONTACT: Jill Betts  
 INQUIRY #: 4597875.2s  
 DATE: April 20, 2016 6:57 pm

# GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID  
 Direction  
 Distance  
 Elevation

Database      EDR ID Number

**1**  
**WSW**      **FED USGS**      **USGS40001207712**  
**1/8 - 1/4 Mile**  
**Higher**

Org. Identifier:	USGS-WA		
Formal name:	USGS Washington Water Science Center		
Monloc Identifier:	USGS-453754122401001		
Monloc name:	02N/01E-27G03		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	17080001	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	45.6315059
Longitude:	-122.6706529	Sourcemap scale:	24000
Horiz Acc measure:	5	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	89
Vert measure units:	feet	Vertacc measure val:	5
Vert accmeasure units:	feet		
Vertcollection method:	Interpolated from topographic map		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	Not Reported		
Formation type:	Not Reported		
Aquifer type:	Not Reported		
Construction date:	19650917	Welldepth:	140
Welldepth units:	ft	Wellholedepth:	Not Reported
Wellholedepth units:	Not Reported		

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel
-----		
1965-09-17	85	

**A2**  
**SE**      **FED USGS**      **USGS40001207666**  
**1/8 - 1/4 Mile**  
**Higher**

Org. Identifier:	USGS-WA		
Formal name:	USGS Washington Water Science Center		
Monloc Identifier:	USGS-453749122394801		
Monloc name:	02N/01E-27H03		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	17080001	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	45.6301171
Longitude:	-122.6645416	Sourcemap scale:	24000
Horiz Acc measure:	5	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	100
Vert measure units:	feet	Vertacc measure val:	5
Vert accmeasure units:	feet		
Vertcollection method:	Interpolated from topographic map		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	Not Reported		
Formation type:	Not Reported		

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Aquifer type:	Not Reported	Welldepth:	221
Construction date:	19680118	Wellholedepth:	Not Reported
Welldepth units:	ft		
Wellholedepth units:	Not Reported		

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel
-----		
1968-06-01	150	

**A3**  
**ESE**  
**1/8 - 1/4 Mile**  
**Higher**

**FED USGS      USGS40001207683**

Org. Identifier:	USGS-WA		
Formal name:	USGS Washington Water Science Center		
Monloc Identifier:	USGS-453751122394401		
Monloc name:	02N/01E-27H01		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	17080001	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	45.6306726
Longitude:	-122.6634305	Sourcemap scale:	24000
Horiz Acc measure:	5	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	95
Vert measure units:	feet	Vertacc measure val:	5
Vert accmeasure units:	feet		
Vertcollection method:	Interpolated from topographic map		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	Not Reported		
Formation type:	Not Reported		
Aquifer type:	Not Reported		
Construction date:	19550905	Welldepth:	144
Welldepth units:	ft	Wellholedepth:	Not Reported
Wellholedepth units:	Not Reported		

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel
-----		
1955-09-05	98	

**A4**  
**ESE**  
**1/8 - 1/4 Mile**  
**Higher**

**FED USGS      USGS40001207684**

Org. Identifier:	USGS-WA		
Formal name:	USGS Washington Water Science Center		
Monloc Identifier:	USGS-453751122394402		
Monloc name:	02N/01E-27H02		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	17080001	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	45.6306726
Longitude:	-122.6634305	Sourcemap scale:	24000

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Horiz Acc measure:	5	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	95
Vert measure units:	feet	Vertacc measure val:	5
Vert accmeasure units:	feet		
Vertcollection method:	Interpolated from topographic map		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	Not Reported		
Formation type:	Not Reported		
Aquifer type:	Not Reported		
Construction date:	19550925	Welldepth:	137
Welldepth units:	ft	Wellholedepth:	Not Reported
Wellholedepth units:	Not Reported		

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel
-----		
1955-09-25	91	

**B5**  
**SW**  
**1/4 - 1/2 Mile**  
**Higher**

**FED USGS      USGS40001207667**

Org. Identifier:	USGS-WA		
Formal name:	USGS Washington Water Science Center		
Monloc Identifier:	USGS-453749122401401		
Monloc name:	02N/01E-27G01		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	17080001	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	45.630117
Longitude:	-122.671764	Sourcemap scale:	24000
Horiz Acc measure:	5	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	88
Vert measure units:	feet	Vertacc measure val:	5
Vert accmeasure units:	feet		
Vertcollection method:	Interpolated from topographic map		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	Not Reported		
Formation type:	Not Reported		
Aquifer type:	Not Reported		
Construction date:	19600523	Welldepth:	139
Welldepth units:	ft	Wellholedepth:	Not Reported
Wellholedepth units:	Not Reported		

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel
-----		
1973-11-01	89	

**B6**  
**SW**  
**1/4 - 1/2 Mile**  
**Higher**

**FED USGS      USGS40001207668**

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Org. Identifier:	USGS-WA		
Formal name:	USGS Washington Water Science Center		
Monloc Identifier:	USGS-453749122401402		
Monloc name:	02N/01E-27G02		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	17080001	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	45.630117
Longitude:	-122.671764	Sourcemap scale:	24000
Horiz Acc measure:	5	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	88
Vert measure units:	feet	Vertacc measure val:	5
Vert accmeasure units:	feet		
Vertcollection method:	Interpolated from topographic map		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	Not Reported		
Formation type:	Not Reported		
Aquifer type:	Not Reported		
Construction date:	19600523	Welldepth:	146
Welldepth units:	ft	Wellholedepth:	Not Reported
Wellholedepth units:	Not Reported		

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel
-----		
1960-05-23	89	

7

**ESE**  
**1/4 - 1/2 Mile**  
**Higher**

**FED USGS**

**USGS40001207674**

Org. Identifier:	USGS-WA		
Formal name:	USGS Washington Water Science Center		
Monloc Identifier:	USGS-453750122394101		
Monloc name:	02N/01E-27H04		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	17080001	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	45.6303948
Longitude:	-122.6625971	Sourcemap scale:	24000
Horiz Acc measure:	5	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	100
Vert measure units:	feet	Vertacc measure val:	5
Vert accmeasure units:	feet		
Vertcollection method:	Interpolated from topographic map		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	Not Reported		
Formation type:	Not Reported		



# GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Aquifer type:	Not Reported	Welldepth:	137
Construction date:	19611024	Wellholedepth:	Not Reported
Welldepth units:	ft		
Wellholedepth units:	Not Reported		

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel
-----		
1961-10-24	104	

**8**  
**West**  
**1/4 - 1/2 Mile**  
**Higher**

**FRDS PWS WA5301765**

Epa region:	10	State:	WA
Pwsid:	WA5301765		
Pwsname:	WEST VAN MATERIAL RECOVERY CENTER		
City served:	Not Reported	State served:	WA
Zip served:	Not Reported	Fips county:	WA011
Status:	Closed	Pop srvd:	37
Pwsvcconn:	1	Source:	Groundwater
Pws type:	NTNCWS	Owner:	Private
Contact:	SILAS CEBALLOS		
Contact name:	WEST VAN MATERIAL RECOVERY CENTER		
Contact phone:	Not Reported	Contact address1:	6601 NW OLD LOWER RIVER RD
Contact address2:	Not Reported	Contact city:	VANCOUVER
Contact state:	WA	Contact zip:	98660
Activity code:	I		

Facid:	134		
Facname:	WELL #1		
Facility type:	Treatment_plant	Activity code:	A
Treatment obj:	disinfection	Treatment process:	hypochlorination, post
Treatment obj:	softening (hardness removal)	Treatment process:	ion exchange

Facid:	TP001		
Facname:	WELL #1		
Facility type:	Treatment_plant	Activity code:	A
Treatment obj:	disinfection	Treatment process:	hypochlorination, post
Treatment obj:	softening (hardness removal)	Treatment process:	ion exchange

**Location Information:**

Name:	WEST VAN MATERIAL RECOVERY CENTER		
Pwstypcd:	NTNCWS	Primsrccd:	GW
Popserved:	37		
Add1:	6601 NW OLD LOWER RIVER RD		
Add2:	Not Reported		
City:	VANCOUVER	State:	WA
Zip:	98660	Phone:	Not Reported
Cityserv:	Not Reported	Cntyserv:	Not Reported
Stateserv:	WA	Zipserv:	Not Reported

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

**Violations Information:**

Violation id:	0093001	Orig cd:	S
State:	WA	Viol fy:	2000
Contamcd:	5000		
Contamnm:	Lead and Copper Rule		
Viol code:	52		
Viol name:	Follow-up Or Routine LCR Tap M/R		
Rule code:	350		
Rule name:	LCR		
Violmeasur:	0	Unitmeasur:	Not Reported
State mcl:	0	Cmpbdt:	01/01/2000
Cmpedt:	Not Reported		

PWS ID: WA5301765  
 Date Initiated: Not Reported      Date Deactivated: Not Reported  
 PWS Name: RIVER RD. MATERIAL RECOVERY CENTER  
 VANCOUVER, WA 98660

Addressee / Facility: Not Reported

Facility Latitude:	45 37 54	Facility Longitude:	122 40 24
City Served:	Not Reported		
Treatment Class:	Treated	Population:	00000035

PWS currently has or had major violation(s) or enforcement: YES

**VIOLATIONS INFORMATION:**

Violation ID:	9375095	Source ID:	Not Reported	PWS Phone:	Not Reported
Vio. beginning Date:	09/01/93	Vio. end Date:	09/30/93	Vio. Period:	001 Months
Num required Samples:	Not Reported	Number of Samples Taken:	Not Reported		
Analysis Result:	Not Reported	Maximum Contaminant Level:	Not Reported		
Analysis Method:	Not Reported				
Violation Type:	Monitoring, Routine Major (TCR)				
Contaminant:	COLIFORM (TCR)				
Vio. Awareness Date:	093093				

Violation ID:	9325112	Source ID:	Not Reported	PWS Phone:	Not Reported
Vio. beginning Date:	03/01/93	Vio. end Date:	03/31/93	Vio. Period:	001 Months
Num required Samples:	Not Reported	Number of Samples Taken:	Not Reported		
Analysis Result:	Not Reported	Maximum Contaminant Level:	Not Reported		
Analysis Method:	Not Reported				
Violation Type:	Monitoring, Routine Major (TCR)				
Contaminant:	COLIFORM (TCR)				
Vio. Awareness Date:	033193				

Violation ID:	9375095	Source ID:	Not Reported	PWS Phone:	Not Reported
Vio. beginning Date:	09/01/93	Vio. end Date:	09/30/93	Vio. Period:	001 Months
Num required Samples:	Not Reported	Number of Samples Taken:	Not Reported		
Analysis Result:	Not Reported	Maximum Contaminant Level:	Not Reported		
Analysis Method:	Not Reported				
Violation Type:	Monitoring, Routine Major (TCR)				
Contaminant:	COLIFORM (TCR)				
Vio. Awareness Date:	093093				

**ENFORCEMENT INFORMATION:**

System Name:	WEST VAN MATERIAL RECOVERY				
Violation Type:	Follow-up and Routine Tap Sampling				
Contaminant:	LEAD & COPPER RULE				
Compliance Period:	1999-01-01 - 2015-12-31				
Violation ID:	0093001				
Enforcement Date:	Not Reported	Enf. Action:	Not Reported		

# GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

**ENFORCEMENT INFORMATION:**

System Name:	WEST VAN MATERIAL RECOVERY		
Violation Type:	Monitoring, Routine Major (TCR)		
Contaminant:	COLIFORM (TCR)		
Compliance Period:	1999-01-01 - 1999-01-31		
Violation ID:	9950208		
Enforcement Date:	1999-01-31	Enf. Action:	State Violation/Reminder Notice
System Name:	WEST VAN MATERIAL RECOVERY		
Violation Type:	Monitoring, Routine Major (TCR)		
Contaminant:	COLIFORM (TCR)		
Compliance Period:	1999-05-01 - 1999-05-31		
Violation ID:	9950209		
Enforcement Date:	1999-05-31	Enf. Action:	State Violation/Reminder Notice

**9  
ESE  
1/4 - 1/2 Mile  
Higher**

**FED USGS      USGS40001207660**

Org. Identifier:	USGS-WA		
Formal name:	USGS Washington Water Science Center		
Monloc Identifier:	USGS-453748122393601		
Monloc name:	02N/01E-26E01		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	17080001	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	45.6298393
Longitude:	-122.6612082	Sourcemap scale:	24000
Horiz Acc measure:	5	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	109
Vert measure units:	feet	Vertacc measure val:	5
Vert accmeasure units:	feet		
Vertcollection method:	Interpolated from topographic map		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	Not Reported		
Formation type:	Not Reported		
Aquifer type:	Not Reported		
Construction date:	19611001	Welldepth:	141
Welldepth units:	ft	Wellholedepth:	Not Reported
Wellholedepth units:	Not Reported		

Ground-water levels, Number of Measurements: 1

Date	Feet below	
	Surface	Sealevel
-----		
1961-10-01	106	

**C10  
SW  
1/4 - 1/2 Mile  
Lower**

Site ID:	4751	<b>AQUIFLOW</b>	<b>41682</b>
Groundwater Flow:	SSW		
Shallowest Water Table Depth:	Not Reported		
Deepest Water Table Depth:	Not Reported		
Average Water Table Depth:	Not Reported		
Date:	04/25/1990		

# GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID  
 Direction  
 Distance  
 Elevation

Database      EDR ID Number

**C11**  
**SW**  
**1/4 - 1/2 Mile**  
**Lower**

**FED USGS      USGS40001207637**

Org. Identifier:	USGS-WA		
Formal name:	USGS Washington Water Science Center		
Monloc Identifier:	USGS-453741122401801		
Monloc name:	02N/01E-27(1)		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	17080001	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	45.6278948
Longitude:	-122.672875	Sourcemap scale:	24000
Horiz Acc measure:	10	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	60
Vert measure units:	feet	Vertacc measure val:	5
Vert accmeasure units:	feet		
Vertcollection method:	Interpolated from topographic map		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	Not Reported		
Formation type:	Not Reported		
Aquifer type:	Not Reported		
Construction date:	19600521	Welldepth:	184
Welldepth units:	ft	Wellholedepth:	Not Reported
Wellholedepth units:	Not Reported		

Ground-water levels, Number of Measurements: 1

	Feet below	Feet to
Date	Surface	Sealevel
-----		
1960-05-21	20	

**12**  
**WSW**  
**1/2 - 1 Mile**  
**Lower**

**FED USGS      USGS40001207675**

Org. Identifier:	USGS-WA		
Formal name:	USGS Washington Water Science Center		
Monloc Identifier:	USGS-453750122403601		
Monloc name:	02N/01E-27F01		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	17080001	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	45.6303947
Longitude:	-122.6778752	Sourcemap scale:	24000
Horiz Acc measure:	5	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	75
Vert measure units:	feet	Vertacc measure val:	5
Vert accmeasure units:	feet		
Vertcollection method:	Interpolated from topographic map		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	Not Reported		
Formation type:	Not Reported		

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Aquifer type:	Not Reported	Welldepth:	111
Construction date:	19010101	Wellholedepth:	Not Reported
Welldepth units:	ft		
Wellholedepth units:	Not Reported		

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel
-----		
1949-03-01	36	

**D13**  
**SSW**  
**1/2 - 1 Mile**  
**Lower**

**FED USGS      USGS40001207608**

Org. Identifier:	USGS-WA		
Formal name:	USGS Washington Water Science Center		
Monloc Identifier:	USGS-453732122401701		
Monloc name:	02N/01E-27L01		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	17080001	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	45.6253948
Longitude:	-122.6725973	Sourcemap scale:	24000
Horiz Acc measure:	5	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	40
Vert measure units:	feet	Vertacc measure val:	5
Vert accmeasure units:	feet		
Vertcollection method:	Interpolated from topographic map		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	Not Reported		
Formation type:	Quaternary Alluvium		
Aquifer type:	Not Reported		
Construction date:	19440901	Welldepth:	108
Welldepth units:	ft	Wellholedepth:	Not Reported
Wellholedepth units:	Not Reported		

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel
-----		
1944-09-01	35	

**D14**  
**SSW**  
**1/2 - 1 Mile**  
**Lower**

**FED USGS      USGS40001207609**

Org. Identifier:	USGS-WA		
Formal name:	USGS Washington Water Science Center		
Monloc Identifier:	USGS-453732122401702		
Monloc name:	02N/01E-27L02		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	17080001	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	45.6253948
Longitude:	-122.6725973	Sourcemap scale:	24000

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Horiz Acc measure:	5	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	40
Vert measure units:	feet	Vertacc measure val:	5
Vert accmeasure units:	feet		
Vertcollection method:	Interpolated from topographic map		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	Not Reported		
Formation type:	Quaternary Alluvium		
Aquifer type:	Not Reported		
Construction date:	19320101	Welldepth:	98
Welldepth units:	ft	Wellholedepth:	Not Reported
Wellholedepth units:	Not Reported		

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel
-----		
1973-11-01	35	

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<b>15 SW 1/2 - 1 Mile Lower</b>	Site ID:	6618	<b>AQUIFLOW</b>	<b>42390</b>
	Groundwater Flow:	Not Reported		
	Shallowest Water Table Depth:	25		
	Deepest Water Table Depth:	32		
	Average Water Table Depth:	Not Reported		
	Date:	10/08/1992		

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<b>16 East 1/2 - 1 Mile Higher</b>		<b>FED USGS</b>	<b>USGS40001207743</b>
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Org. Identifier:	USGS-WA		
Formal name:	USGS Washington Water Science Center		
Monloc Identifier:	USGS-453800122391401		
Monloc name:	02N/01E-26C01		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	17080001	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	45.6331726
Longitude:	-122.655097	Sourcemap scale:	24000
Horiz Acc measure:	1	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	150
Vert measure units:	feet	Vertacc measure val:	5
Vert accmeasure units:	feet		
Vertcollection method:	Interpolated from topographic map		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	Not Reported		
Formation type:	Not Reported		
Aquifer type:	Not Reported		
Construction date:	19740520	Welldepth:	146
Welldepth units:	ft	Wellholedepth:	Not Reported
Wellholedepth units:	Not Reported		

# GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel
1974-06-07		71

**E17**  
**SW**  
**1/2 - 1 Mile**  
**Lower**

**FED USGS USGS40001207594**

Org. Identifier:	USGS-WA		
Formal name:	USGS Washington Water Science Center		
Monloc Identifier:	USGS-453729122402803		
Monloc name:	02N/01E-27M03		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	17080001	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	45.6245615
Longitude:	-122.6756529	Sourcemap scale:	24000
Horiz Acc measure:	5	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	35
Vert measure units:	feet	Vertacc measure val:	5
Vert accmeasure units:	feet		
Vertcollection method:	Interpolated from topographic map		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	Not Reported		
Formation type:	Not Reported		
Aquifer type:	Not Reported		
Construction date:	19280101	Welldepth:	90
Welldepth units:	ft	Wellholedepth:	Not Reported
Wellholedepth units:	Not Reported		

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel
1973-11-01		30

**E18**  
**SW**  
**1/2 - 1 Mile**  
**Lower**

**FED USGS USGS40001207593**

Org. Identifier:	USGS-WA		
Formal name:	USGS Washington Water Science Center		
Monloc Identifier:	USGS-453729122402802		
Monloc name:	02N/01E-27M02		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	17080001	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	45.6245615
Longitude:	-122.6756529	Sourcemap scale:	24000

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Horiz Acc measure:	5	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	35
Vert measure units:	feet	Vertacc measure val:	5
Vert accmeasure units:	feet		
Vertcollection method:	Interpolated from topographic map		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	Not Reported		
Formation type:	Not Reported		
Aquifer type:	Not Reported		
Construction date:	19280101	Welldepth:	90
Welldepth units:	ft	Wellholedepth:	Not Reported
Wellholedepth units:	Not Reported		

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel
-----		
1973-11-01	30	

**E19**  
**SW**  
**1/2 - 1 Mile**  
**Lower**

**FED USGS      USGS40001207592**

Org. Identifier:	USGS-WA		
Formal name:	USGS Washington Water Science Center		
Monloc Identifier:	USGS-453729122402801		
Monloc name:	02N/01E-27M01		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	17080001	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	45.6245615
Longitude:	-122.6756529	Sourcemap scale:	24000
Horiz Acc measure:	5	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	35
Vert measure units:	feet	Vertacc measure val:	5
Vert accmeasure units:	feet		
Vertcollection method:	Interpolated from topographic map		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	Not Reported		
Formation type:	Not Reported		
Aquifer type:	Not Reported		
Construction date:	19280101	Welldepth:	70
Welldepth units:	ft	Wellholedepth:	Not Reported
Wellholedepth units:	Not Reported		

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel
-----		
1973-11-01	30	

**E20**  
**SW**  
**1/2 - 1 Mile**  
**Lower**

**FED USGS      USGS40001207597**



## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Org. Identifier:	USGS-WA		
Formal name:	USGS Washington Water Science Center		
Monloc Identifier:	USGS-453729122402806		
Monloc name:	02N/01E-27M06		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	17080001	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	45.6245615
Longitude:	-122.6756529	Sourcemap scale:	24000
Horiz Acc measure:	5	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	35
Vert measure units:	feet	Vertacc measure val:	5
Vert accmeasure units:	feet		
Vertcollection method:	Interpolated from topographic map		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	Not Reported		
Formation type:	Not Reported		
Aquifer type:	Not Reported		
Construction date:	19280101	Welldepth:	75
Welldepth units:	ft	Wellholedepth:	Not Reported
Wellholedepth units:	Not Reported		

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel
-----		
1973-11-01	30	

**E21  
SW  
1/2 - 1 Mile  
Lower**

**FED USGS      USGS40001207596**

Org. Identifier:	USGS-WA		
Formal name:	USGS Washington Water Science Center		
Monloc Identifier:	USGS-453729122402805		
Monloc name:	02N/01E-27M05		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	17080001	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	45.6245615
Longitude:	-122.6756529	Sourcemap scale:	24000
Horiz Acc measure:	5	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	35
Vert measure units:	feet	Vertacc measure val:	5
Vert accmeasure units:	feet		
Vertcollection method:	Interpolated from topographic map		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	Not Reported		
Formation type:	Not Reported		

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Aquifer type:	Not Reported	Welldepth:	90
Construction date:	19280101	Wellholedepth:	Not Reported
Welldepth units:	ft		
Wellholedepth units:	Not Reported		

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel
-----		
1973-11-01	30	

**E22**  
**SW**  
**1/2 - 1 Mile**  
**Lower**

**FED USGS      USGS40001207595**

Org. Identifier:	USGS-WA		
Formal name:	USGS Washington Water Science Center		
Monloc Identifier:	USGS-453729122402804		
Monloc name:	02N/01E-27M04		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	17080001	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	45.6245615
Longitude:	-122.6756529	Sourcemap scale:	24000
Horiz Acc measure:	5	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	35
Vert measure units:	feet	Vertacc measure val:	5
Vert accmeasure units:	feet		
Vertcollection method:	Interpolated from topographic map		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	Not Reported		
Formation type:	Not Reported		
Aquifer type:	Not Reported		
Construction date:	19280101	Welldepth:	90
Welldepth units:	ft	Wellholedepth:	Not Reported
Wellholedepth units:	Not Reported		

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel
-----		
1973-11-01	30	

**F23**  
**SW**  
**1/2 - 1 Mile**  
**Lower**

**FED USGS      USGS40001207610**

Org. Identifier:	USGS-WA		
Formal name:	USGS Washington Water Science Center		
Monloc Identifier:	USGS-453732122403601		
Monloc name:	02N/01E-27M08		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	17080001	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	45.6253948
Longitude:	-122.6778752	Sourcemap scale:	24000

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Horiz Acc measure:	5	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	42
Vert measure units:	feet	Vertacc measure val:	5
Vert accmeasure units:	feet		
Vertcollection method:	Interpolated from topographic map		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	Not Reported		
Formation type:	Not Reported		
Aquifer type:	Not Reported		
Construction date:	19480101	Welldepth:	137
Welldepth units:	ft	Wellholedepth:	Not Reported
Wellholedepth units:	Not Reported		

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel
-----		
1949-03-01	22	

**F24**  
**SW**  
**1/2 - 1 Mile**  
**Lower**

**FED USGS      USGS40001207601**

Org. Identifier:	USGS-WA		
Formal name:	USGS Washington Water Science Center		
Monloc Identifier:	USGS-453730122403701		
Monloc name:	02N/01E-27M07		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	17080001	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	45.6248392
Longitude:	-122.6781529	Sourcemap scale:	24000
Horiz Acc measure:	5	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	38
Vert measure units:	feet	Vertacc measure val:	5
Vert accmeasure units:	feet		
Vertcollection method:	Interpolated from topographic map		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	Not Reported		
Formation type:	Not Reported		
Aquifer type:	Not Reported		
Construction date:	19470331	Welldepth:	150
Welldepth units:	ft	Wellholedepth:	Not Reported
Wellholedepth units:	Not Reported		

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel
-----		
1949-03-01	22	

**25**  
**WSW**  
**1/2 - 1 Mile**  
**Lower**

**FED USGS      USGS40001207618**

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Org. Identifier:	USGS-WA		
Formal name:	USGS Washington Water Science Center		
Monloc Identifier:	USGS-453735122404801		
Monloc name:	02N/01E-27M09		
Monloc type:	Well		
Monloc desc:	CARDS GENERATED		
Huc code:	17080001	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	45.6262281
Longitude:	-122.6812086	Sourcemap scale:	Not Reported
Horiz Acc measure:	1	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	42
Vert measure units:	feet	Vertacc measure val:	5
Vert accmeasure units:	feet		
Vertcollection method:	Interpolated from topographic map		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	Not Reported		
Formation type:	Not Reported		
Aquifer type:	Not Reported		
Construction date:	19570510	Welldepth:	128
Welldepth units:	ft	Wellholedepth:	Not Reported
Wellholedepth units:	Not Reported		

Ground-water levels, Number of Measurements: 0

**26  
East  
1/2 - 1 Mile  
Higher**

**FED USGS      USGS40001207750**

Org. Identifier:	USGS-WA		
Formal name:	USGS Washington Water Science Center		
Monloc Identifier:	USGS-453801122390001		
Monloc name:	02N/03E-35B01		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	17080001	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	45.6334505
Longitude:	-122.651208	Sourcemap scale:	24000
Horiz Acc measure:	1	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	350
Vert measure units:	feet	Vertacc measure val:	5
Vert accmeasure units:	feet		
Vertcollection method:	Interpolated from topographic map		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	Not Reported		
Formation type:	Not Reported		
Aquifer type:	Not Reported		
Construction date:	19730828	Welldepth:	160
Welldepth units:	ft	Wellholedepth:	Not Reported
Wellholedepth units:	Not Reported		

# GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel
1973-08-28	120	

**27**  
**NE**  
**1/2 - 1 Mile**  
**Higher**

**FED USGS      USGS40001207836**

Org. Identifier:	USGS-WA		
Formal name:	USGS Washington Water Science Center		
Monloc Identifier:	USGS-453822122390801		
Monloc name:	05N/01E-26F01		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	17080002	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	45.6392837
Longitude:	-122.6534304	Sourcemap scale:	24000
Horiz Acc measure:	1	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	600
Vert measure units:	feet	Vertacc measure val:	1
Vert accmeasure units:	feet		
Vertcollection method:	Interpolated from topographic map		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	Not Reported		
Formation type:	Not Reported		
Aquifer type:	Not Reported		
Construction date:	19741028	Welldepth:	157
Welldepth units:	ft	Wellholedepth:	Not Reported
Wellholedepth units:	Not Reported		

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel
1974-10-28	120	

**28**  
**WSW**  
**1/2 - 1 Mile**  
**Lower**

**FED USGS      USGS40001207623**

Org. Identifier:	USGS-WA		
Formal name:	USGS Washington Water Science Center		
Monloc Identifier:	USGS-453737122405601		
Monloc name:	02N/01E-28J01		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	17080001	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	45.6267836
Longitude:	-122.6834309	Sourcemap scale:	24000

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Horiz Acc measure:	5	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	42
Vert measure units:	feet	Vertacc measure val:	5
Vert accmeasure units:	feet		
Vertcollection method:	Interpolated from topographic map		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	Not Reported		
Formation type:	Not Reported		
Aquifer type:	Not Reported		
Construction date:	19340101	Welldepth:	82
Welldepth units:	ft	Wellholedepth:	Not Reported
Wellholedepth units:	Not Reported		

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel
-----		
1949-03-01	20	

**29**  
**WSW**  
**1/2 - 1 Mile**  
**Lower**

**FED USGS      USGS40001207624**

Org. Identifier:	USGS-WA		
Formal name:	USGS Washington Water Science Center		
Monloc Identifier:	USGS-453737122410101		
Monloc name:	02N/01E-28J02		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	17080001	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	45.6267836
Longitude:	-122.6848198	Sourcemap scale:	24000
Horiz Acc measure:	5	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	39
Vert measure units:	feet	Vertacc measure val:	5
Vert accmeasure units:	feet		
Vertcollection method:	Interpolated from topographic map		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	Not Reported		
Formation type:	Not Reported		
Aquifer type:	Not Reported		
Construction date:	19010101	Welldepth:	32
Welldepth units:	ft	Wellholedepth:	Not Reported
Wellholedepth units:	Not Reported		

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel
-----		
1973-11-01	20	

**30**  
**North**  
**1/2 - 1 Mile**  
**Higher**

**FED USGS      USGS40001207943**

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Org. Identifier:	USGS-WA		
Formal name:	USGS Washington Water Science Center		
Monloc Identifier:	USGS-453848122400501		
Monloc name:	02N/01E-22B01		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	17080001	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	45.6465057
Longitude:	-122.6692642	Sourcemap scale:	24000
Horiz Acc measure:	5	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	210
Vert measure units:	feet	Vertacc measure val:	5
Vert accmeasure units:	feet		
Vertcollection method:	Interpolated from topographic map		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	Not Reported		
Formation type:	Not Reported		
Aquifer type:	Not Reported		
Construction date:	19650225	Welldepth:	285
Welldepth units:	ft	Wellholedepth:	Not Reported
Wellholedepth units:	Not Reported		

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel
-----		
1965-04-01	205	

**G31  
ENE  
1/2 - 1 Mile  
Higher**

**FED USGS      USGS40001207773**

Org. Identifier:	USGS-WA		
Formal name:	USGS Washington Water Science Center		
Monloc Identifier:	USGS-453808122384801		
Monloc name:	02N/01E-23Q03		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	17080001	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	45.6353949
Longitude:	-122.6478747	Sourcemap scale:	24000
Horiz Acc measure:	1	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	221.5
Vert measure units:	feet	Vertacc measure val:	0.5
Vert accmeasure units:	feet		
Vertcollection method:	Level or other surveying method		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	Not Reported		
Formation type:	Quaternary Alluvium		

# GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Aquifer type:	Not Reported	Welldepth:	280
Construction date:	19381116	Wellholedepth:	Not Reported
Welldepth units:	ft		
Wellholedepth units:	Not Reported		

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel
-----		
1938-11-16	216	

**G32**  
**ENE**  
**1/2 - 1 Mile**  
**Higher**

**WA WELLS    WA800000018187**

Fid:	18186	Lerootid:	66950
Srcrootid:	27781	Pwsid:	91200
Srcnum:	15	Pwssrcid:	9120015
Systemname:	VANCOUVER, CITY OF	Systemgrou:	A
Systemtype:	Comm	Region:	SW
County:	CLARK	Smaid:	Not Reported
Ftrespopul:	231000	Resconnect:	96805
Totalconne:	100266	Srcname:	WS #1 WELL #2 WW
Srctype:	WW	Srcusecode:	P
Srcwelldep:	280	Township:	02
Range :	01E	Section:	23
Qtrqrsect:	SWSE		
Longitude:	-122.647713		
Latitude:	45.635411		
Latlongmet:	GPS	Srcsuscept:	H
Srcvulnioc:	H	Srcvulnvoc:	H
Srcvulnsoc:	U	Doewelltag:	Not Reported
Srctot6mo:	0	Srctot1yr:	0
Srctot5yr:	0	Srctot10yr:	0
Protection:	Model	Pricontact:	3604878275
Priconta 1:	Not Reported	Priconta 2:	PO BOX 1995
Priconta 3:	VANCOUVER	Priconta 4:	WA
Priconta 5:	986681995		
Priconta 6:	tim.brace@cityofvancouver.us		
Pwseffecti:	01-JAN-70	Pwsstatusi:	A
Pwsinactiv:	Not Reported	Srcstatusi:	A
Srceffecti:	01-JAN-70	Srcinactiv:	Not Reported
Floodzonei:	N	Priconta 7:	TIM BRACE
Srcswinflu:	N	Latlongdat:	09-SEP-04
Site id:	WA800000018187		



# GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS RADON

## AREA RADON INFORMATION

Federal EPA Radon Zone for CLARK County: 1

- Note: Zone 1 indoor average level > 4 pCi/L.
- : Zone 2 indoor average level >= 2 pCi/L and <= 4 pCi/L.
- : Zone 3 indoor average level < 2 pCi/L.

Federal Area Radon Information for Zip Code: 98663

Number of sites tested: 5

Area	Average Activity	% <4 pCi/L	% 4-20 pCi/L	% >20 pCi/L
Living Area - 1st Floor	0.900 pCi/L	100%	0%	0%
Living Area - 2nd Floor	Not Reported	Not Reported	Not Reported	Not Reported
Basement	7.100 pCi/L	80%	0%	20%

# PHYSICAL SETTING SOURCE RECORDS SEARCHED

## TOPOGRAPHIC INFORMATION

### USGS 7.5' Digital Elevation Model (DEM)

Source: United States Geologic Survey

EDR acquired the USGS 7.5' Digital Elevation Model in 2002 and updated it in 2006. The 7.5 minute DEM corresponds to the USGS 1:24,000- and 1:25,000-scale topographic quadrangle maps. The DEM provides elevation data with consistent elevation units and projection.

### Current USGS 7.5 Minute Topographic Map

Source: U.S. Geological Survey

## HYDROLOGIC INFORMATION

Flood Zone Data: This data, available in select counties across the country, was obtained by EDR in 2003 & 2011 from the Federal Emergency Management Agency (FEMA). Data depicts 100-year and 500-year flood zones as defined by FEMA.

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002, 2005 and 2010 from the U.S. Fish and Wildlife Service.

### State Wetlands Data: Wetland Inventory

Source: Department of Ecology

Telephone: 360-407-6121

## HYDROGEOLOGIC INFORMATION

### AQUIFLOW<sup>R</sup> Information System

Source: EDR proprietary database of groundwater flow information

EDR has developed the AQUIFLOW Information System (AIS) to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted to regulatory authorities at select sites and has extracted the date of the report, hydrogeologically determined groundwater flow direction and depth to water table information.

## GEOLOGIC INFORMATION

### Geologic Age and Rock Stratigraphic Unit

Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - A digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

### STATSGO: State Soil Geographic Database

Source: Department of Agriculture, Natural Resources Conservation Service (NRCS)

The U.S. Department of Agriculture's (USDA) Natural Resources Conservation Service (NRCS) leads the national Conservation Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. Soil maps for STATSGO are compiled by generalizing more detailed (SSURGO) soil survey maps.

### SSURGO: Soil Survey Geographic Database

Source: Department of Agriculture, Natural Resources Conservation Service (NRCS)

Telephone: 800-672-5559

SSURGO is the most detailed level of mapping done by the Natural Resources Conservation Service, mapping scales generally range from 1:12,000 to 1:63,360. Field mapping methods using national standards are used to construct the soil maps in the Soil Survey Geographic (SSURGO) database. SSURGO digitizing duplicates the original soil survey maps. This level of mapping is designed for use by landowners, townships and county natural resource planning and management.

# PHYSICAL SETTING SOURCE RECORDS SEARCHED

## LOCAL / REGIONAL WATER AGENCY RECORDS

### FEDERAL WATER WELLS

#### PWS: Public Water Systems

Source: EPA/Office of Drinking Water

Telephone: 202-564-3750

Public Water System data from the Federal Reporting Data System. A PWS is any water system which provides water to at least 25 people for at least 60 days annually. PWSs provide water from wells, rivers and other sources.

#### PWS ENF: Public Water Systems Violation and Enforcement Data

Source: EPA/Office of Drinking Water

Telephone: 202-564-3750

Violation and Enforcement data for Public Water Systems from the Safe Drinking Water Information System (SDWIS) after August 1995. Prior to August 1995, the data came from the Federal Reporting Data System (FRDS).

#### USGS Water Wells: USGS National Water Inventory System (NWIS)

This database contains descriptive information on sites where the USGS collects or has collected data on surface water and/or groundwater. The groundwater data includes information on wells, springs, and other sources of groundwater.

### STATE RECORDS

#### Water Wells

Source: Department of Health

Telephone: 360-236-3148

Group A and B well locations.

#### Water Well Listing

Source: Public Utility District

Telephone: 206-779-7656

A listing of water well locations in Kitsap County.

## OTHER STATE DATABASE INFORMATION

#### Oil and Gas Well Listing

Source: Department of Natural Resources

Telephone: 360-902-1450

Locations that represent oil and gas test well sites in Washington State from 1890 to present.

### RADON

#### Area Radon Information

Source: USGS

Telephone: 703-356-4020

The National Radon Database has been developed by the U.S. Environmental Protection Agency (USEPA) and is a compilation of the EPA/State Residential Radon Survey and the National Residential Radon Survey. The study covers the years 1986 - 1992. Where necessary data has been supplemented by information collected at private sources such as universities and research institutions.

#### EPA Radon Zones

Source: EPA

Telephone: 703-356-4020

Sections 307 & 309 of IRAA directed EPA to list and identify areas of U.S. with the potential for elevated indoor radon levels.

### OTHER

#### Airport Landing Facilities: Private and public use landing facilities

Source: Federal Aviation Administration, 800-457-6656

#### Epicenters: World earthquake epicenters, Richter 5 or greater


Source: Department of Commerce, National Oceanic and Atmospheric Administration

Earthquake Fault Lines: The fault lines displayed on EDR's Topographic map are digitized quaternary faultlines, prepared in 1975 by the United State Geological Survey

# PHYSICAL SETTING SOURCE RECORDS SEARCHED

## STREET AND ADDRESS INFORMATION

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East Mill Plain Center  
400 East Mill Plain Blvd.  
Vancouver, WA 98663

Inquiry Number: 4597875.3

April 20, 2016

## Certified Sanborn® Map Report



6 Armstrong Road, 4th floor  
Shelton, CT 06484  
Toll Free: 800.352.0050  
[www.edrnet.com](http://www.edrnet.com)

# Certified Sanborn® Map Report

04/20/16

**Site Name:**

East Mill Plain Center  
400 East Mill Plain Blvd.  
Vancouver, WA 98663  
EDR Inquiry # 4597875.3

**Client Name:**

Coles & Betts Environmental Consulting L  
750 South Rosemont Rd  
West Lynn, OR 97068  
Contact: Jill Betts



The Sanborn Library has been searched by EDR and maps covering the target property location as provided by Coles & Betts Environmental Consulting LLC were identified for the years listed below. The Sanborn Library is the largest, most complete collection of fire insurance maps. The collection includes maps from Sanborn, Bromley, Perris & Browne, Hopkins, Barlow, and others. Only Environmental Data Resources Inc. (EDR) is authorized to grant rights for commercial reproduction of maps by the Sanborn Library LLC, the copyright holder for the collection. Results can be authenticated by visiting [www.edrnet.com/sanborn](http://www.edrnet.com/sanborn).

The Sanborn Library is continually enhanced with newly identified map archives. This report accesses all maps in the collection as of the day this report was generated.

## Certified Sanborn Results:

**Certification #** 737D-4499-B117  
**PO #** 6000  
**Project** East Mill Plain UICs

**Maps Provided:**

1966  
1949  
1928  
1911  
1907



Sanborn® Library search results

Certification #: 737D-4499-B117

The Sanborn Library includes more than 1.2 million fire insurance maps from Sanborn, Bromley, Perris & Browne, Hopkins, Barlow and others which track historical property usage in approximately 12,000 American cities and towns. Collections searched:

- Library of Congress
- University Publications of America
- EDR Private Collection

*The Sanborn Library LLC Since 1866™*

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This Certified Sanborn Map Report is based upon the following Sanborn Fire Insurance map sheets.



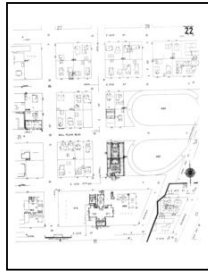
### 1966 Source Sheets



Volume 1, Sheet 28  
1966



Volume 1, Sheet 21  
1966



Volume 1, Sheet 22  
1966



Volume 1, Sheet 27  
1966

### 1949 Source Sheets



Volume 1, Sheet 21  
1949

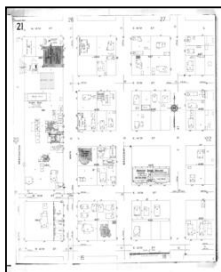


Volume 1, Sheet 22  
1949



Volume 1, Sheet 27  
1949

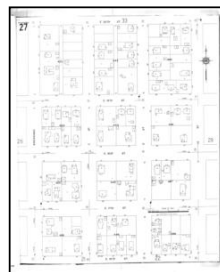
### 1928 Source Sheets



Volume 1, Sheet 21  
1928



Volume 1, Sheet 22  
1928



Volume 1, Sheet 27  
1928

### 1911 Source Sheets



Volume 1, Sheet 15  
1911



Volume 1, Sheet 20  
1911

## Sanborn Sheet Key

This Certified Sanborn Map Report is based upon the following Sanborn Fire Insurance map sheets.



### 1907 Source Sheets

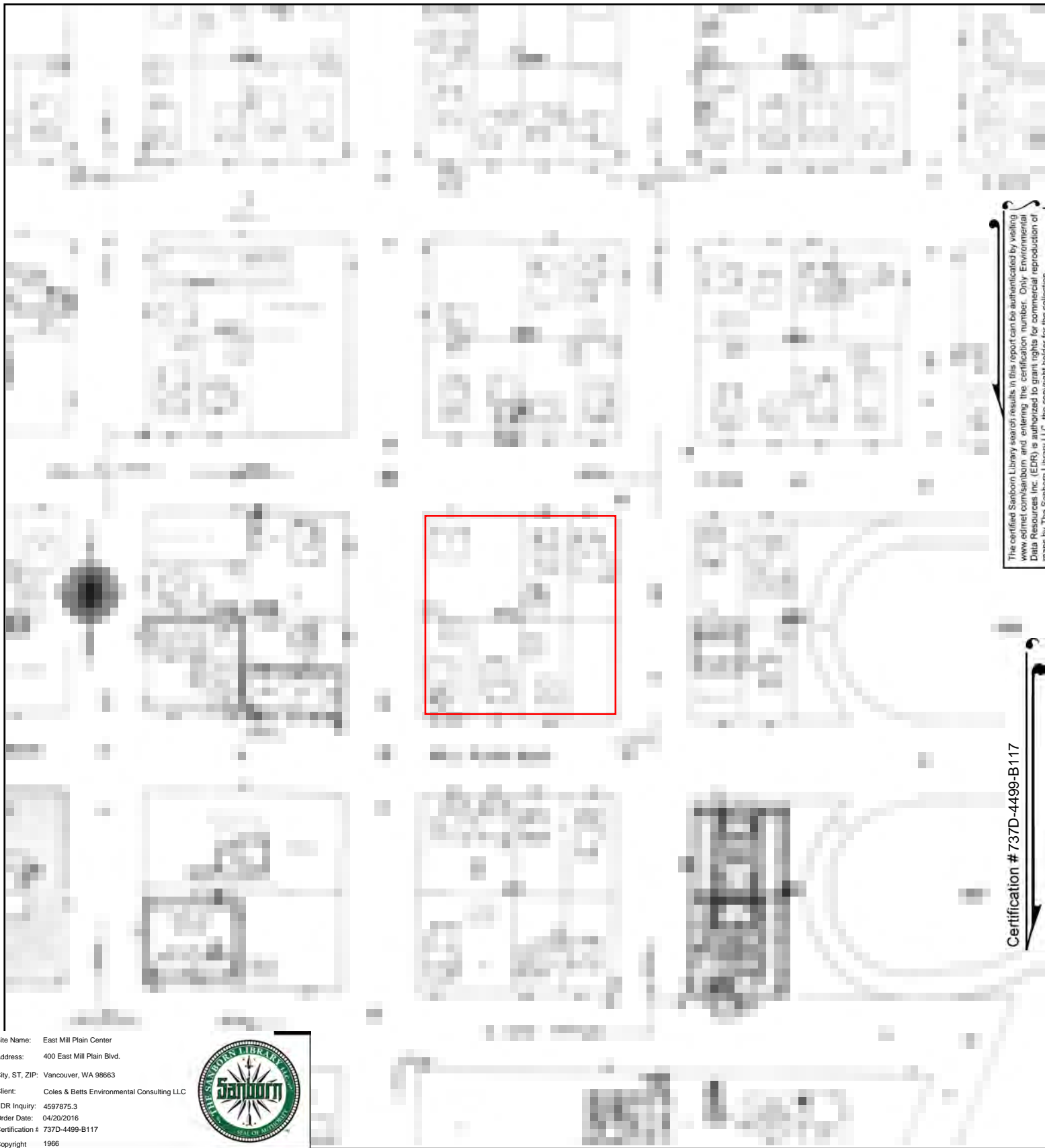


Volume 1, Sheet 15  
1907



Volume 1, Sheet 20  
1907





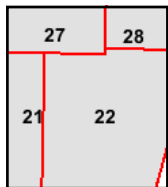
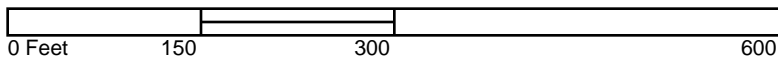
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Certification # 737D-4499-B117

Site Name: East Mill Plain Center  
 Address: 400 East Mill Plain Blvd.  
 City, ST, ZIP: Vancouver, WA 98663  
 Client: Coles & Betts Environmental Consulting LLC  
 EDR Inquiry: 4597875.3  
 Order Date: 04/20/2016  
 Certification # 737D-4499-B117  
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This Certified Sanborn Map combines the following sheets.  
 Outlined areas indicate map sheets within the collection.



Volume 1, Sheet 27  
 Volume 1, Sheet 22  
 Volume 1, Sheet 21  
 Volume 1, Sheet 28





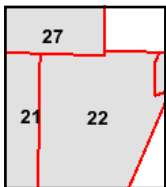
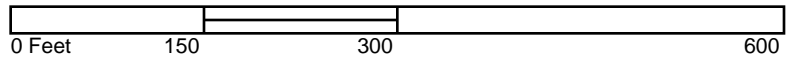
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 Copyright 1949

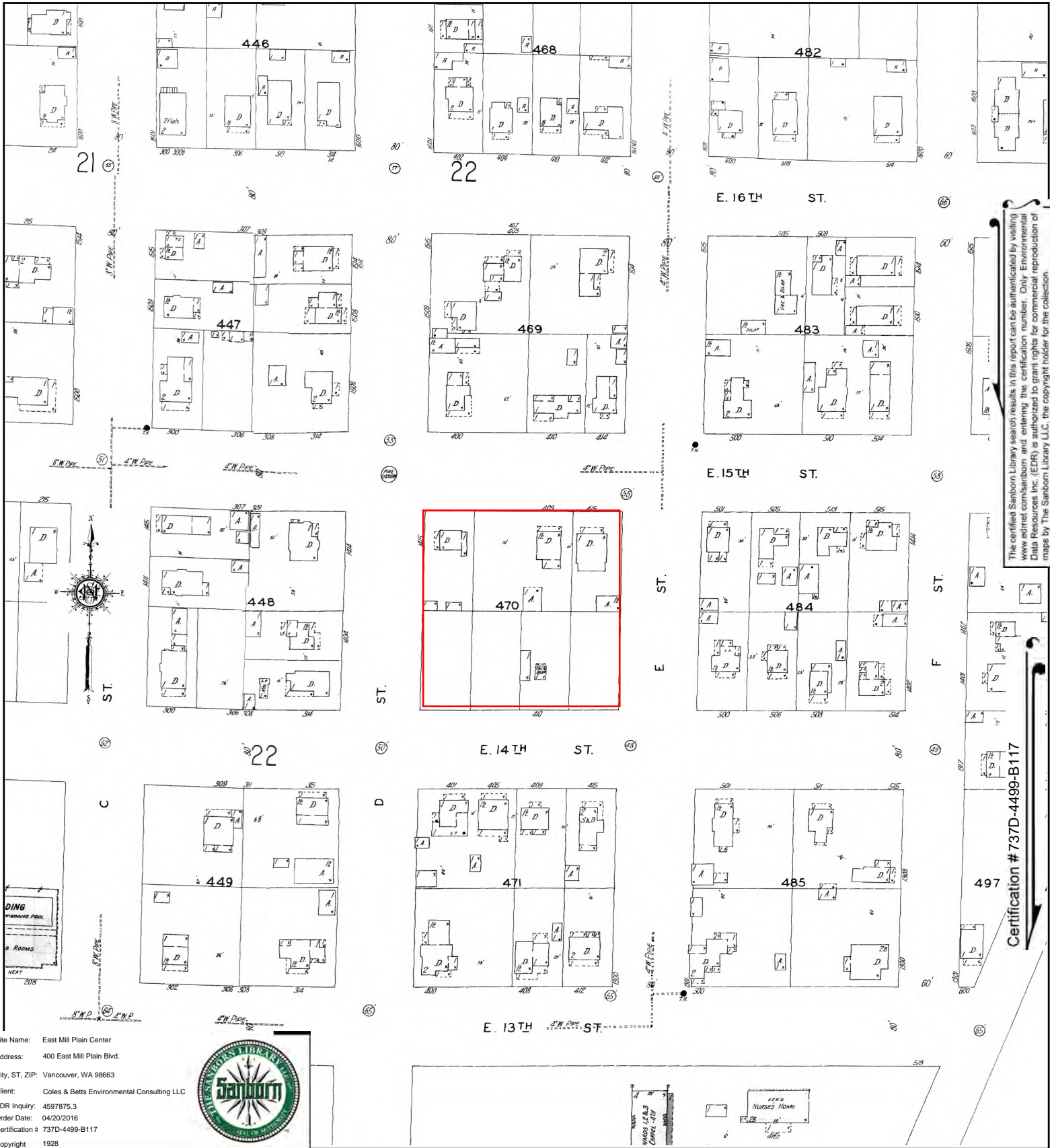


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 Outlined areas indicate map sheets within the collection.



Volume 1, Sheet 27  
 Volume 1, Sheet 22  
 Volume 1, Sheet 21

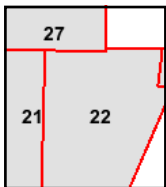
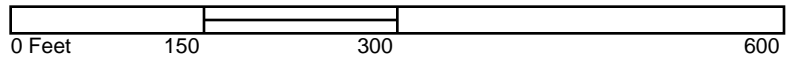




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 EDR Inquiry: 4597875.3  
 Order Date: 04/20/2016  
 Certification # 737D-4499-B117  
 Copyright 1928

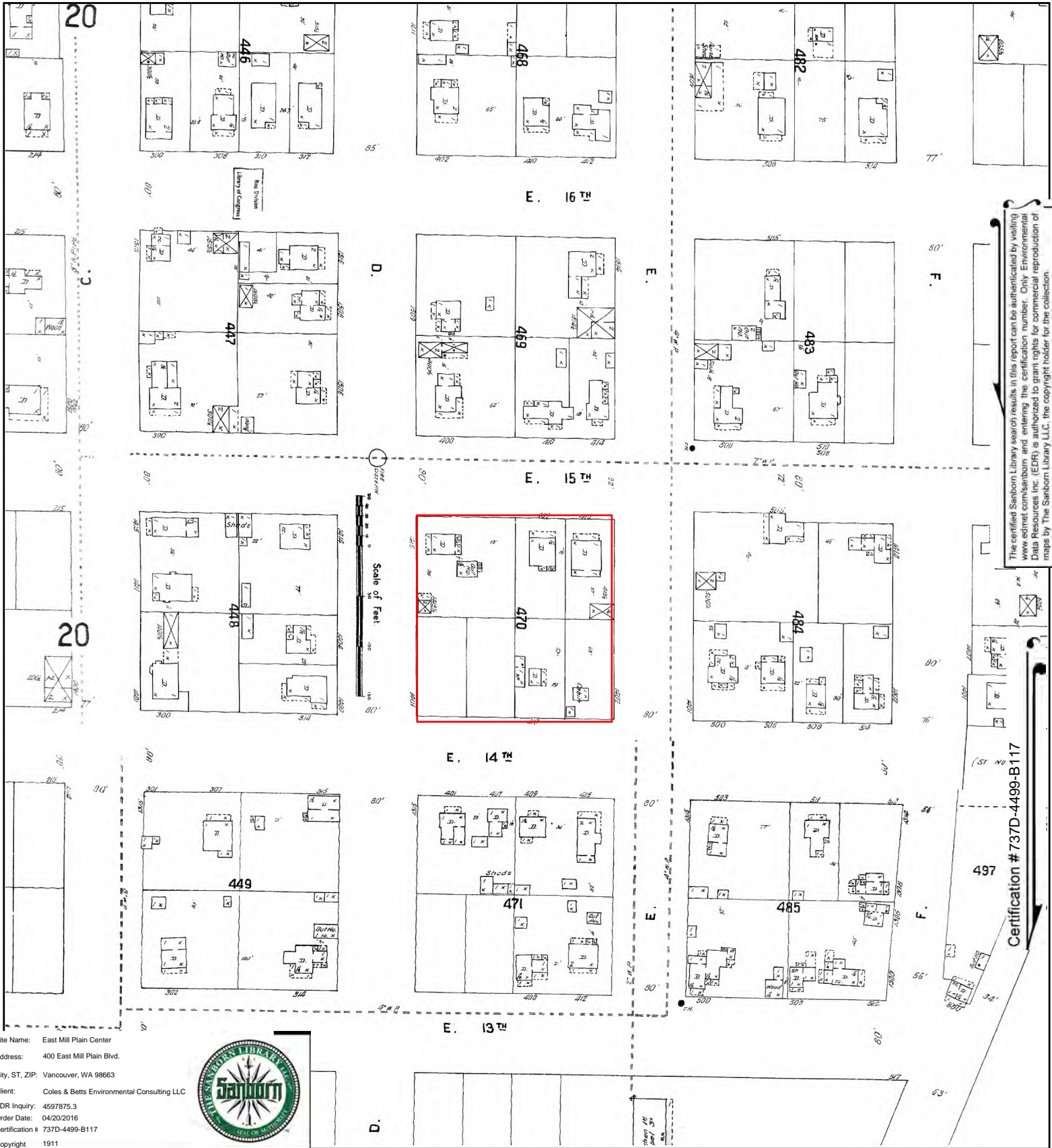


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 Outlined areas indicate map sheets within the collection.



Volume 1, Sheet 27  
 Volume 1, Sheet 22  
 Volume 1, Sheet 21





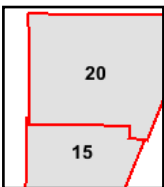
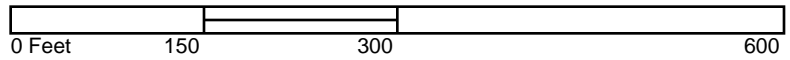
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 Order Date: 04/20/2016  
 Certification # 737D-4499-B117  
 Copyright 1911

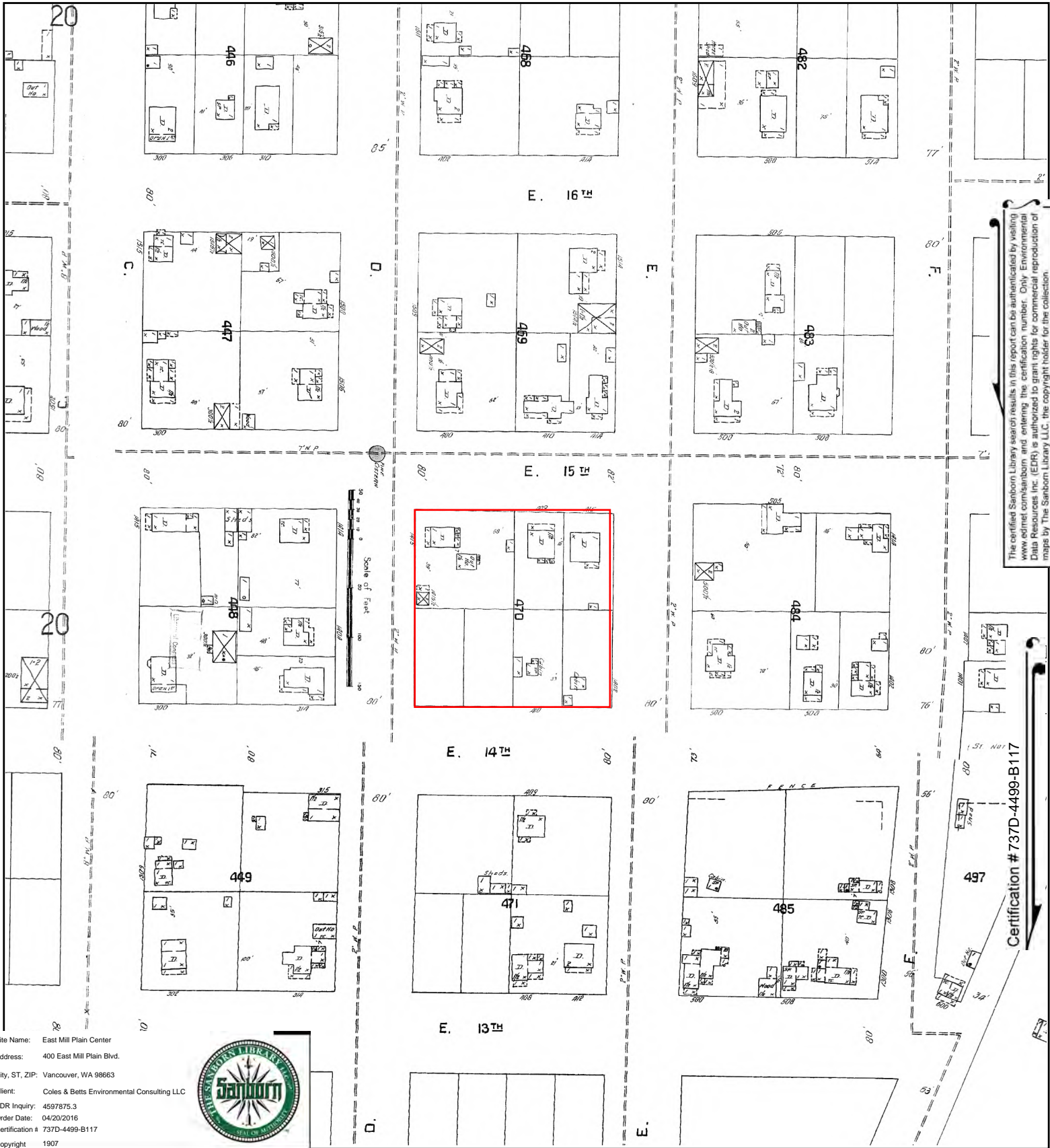


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 Outlined areas indicate map sheets within the collection.



Volume 1, Sheet 20  
 Volume 1, Sheet 15





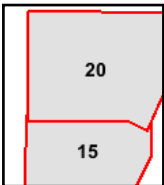
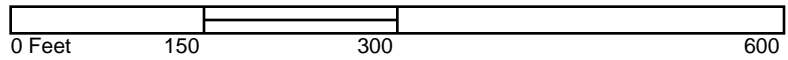
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Volume 1, Sheet 20  
 Volume 1, Sheet 15



**East Mill Plain Center**

400 East Mill Plain Blvd.  
Vancouver, WA 98663

Inquiry Number: 4597875.5  
April 21, 2016

# The EDR-City Directory Image Report

## TABLE OF CONTENTS

### SECTION

Executive Summary

Findings

City Directory Images

*Thank you for your business.*  
Please contact EDR at 1-800-352-0050  
with any questions or comments.

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## EXECUTIVE SUMMARY

### DESCRIPTION

Environmental Data Resources, Inc.'s (EDR) City Directory Report is a screening tool designed to assist environmental professionals in evaluating potential liability on a target property resulting from past activities. EDR's City Directory Report includes a search of available city directory data at 5 year intervals.

### RESEARCH SUMMARY

The following research sources were consulted in the preparation of this report. A check mark indicates where information was identified in the source and provided in this report.

<u>Year</u>	<u>Target Street</u>	<u>Cross Street</u>	<u>Source</u>
2013	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Cole Information Services
2008	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Cole Information Services
2003	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Cole Information Services
1999	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Cole Information Services
1995	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Cole Information Services
1992	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Cole Information Services
1986	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Polk's City Directory
1981	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Polk's City Directory
1976	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Polk's City Directory
1971	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Polk's City Directory
1966	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Polk's City Directory
1963	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Polk's City Directory
1958	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Polk's City Directory

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## FINDINGS

### TARGET PROPERTY STREET

400 East Mill Plain Blvd.  
Vancouver, WA 98663

<u>Year</u>	<u>CD Image</u>	<u>Source</u>
-------------	-----------------	---------------

### E MILL PLAIN BLVD

2013	pg A2	Cole Information Services
2008	pg A4	Cole Information Services
2003	pg A6	Cole Information Services
1999	pg A8	Cole Information Services
1995	pg A9	Cole Information Services
1992	pg A10	Cole Information Services
1986	pg A11	Polk's City Directory
1981	pg A12	Polk's City Directory
1981	pg A13	Polk's City Directory
1976	pg A14	Polk's City Directory
1971	pg A15	Polk's City Directory
1971	pg A16	Polk's City Directory
1966	pg A17	Polk's City Directory
1963	pg A18	Polk's City Directory
1958	pg A19	Polk's City Directory
1958	pg A20	Polk's City Directory

## FINDINGS

### CROSS STREETS

No Cross Streets Identified

## **City Directory Images**

**E MILL PLAIN BLVD****2013**

108 ANDERSEN CRAIG S  
 BRATT DOUGLAS J  
 DALTON NICOLE T  
 MORSE BRATT ANDREWS & FOSTER PLLC  
 MORSE JOHN D  
 136 PAPA JOHNS PIZZA  
 210 VANCOUVER CHEVRON USA  
 WINCHESTER LOCKSMITH CO  
 307 ANDERSON EMERGENCY LOCKSMITH  
 MUNICIPAL LOCKSMITH  
 308 RAPID REFILL  
 312 CORNELIUS TERRY  
 316 WESTSIDE PIZZA  
 400 AA CONSTRUCTION CO  
 COLUMBIA BANK  
 FEDERAL BUREAU OF INVESTIGATION  
 METLIFE HOME LOANS  
 NW TAX ADVISORY GROUP  
 UNITED STATES GOVERNMENT  
 409 OCCUPANT UNKNOWN  
 415 CANO REAL ESTATE  
 SELLERS LAW OFFICE  
 501 ANDREA ECHIBURU  
 JASON STINSON  
 KELLY HELENBERG  
 KRISTEN ADAMS  
 TERRY MEYERS  
 TOBY ALLEN  
 WAYNE BRAND  
 1007 FVRL FOUNDATION  
 LIBRARIES PUBLIC  
 1301 FORT VANCOVER LITTLE LEAGUE  
 1812 OCCUPANT UNKNOWN  
 1815 JAMES TAUTFEST  
 1905 JOHN ZETTEL  
 RANDEL MILLER  
 1909 CASEY SLOTH  
 1914 AMBER WOOLLEY  
 DONALD PADDOCK  
 MARY SEALS  
 ROB VANMEAR  
 WILLIAM NUGENT  
 1920 CHAOTIC CHOCOLATE  
 2000 ALEKSEY AFANASYEV  
 DAVID KLUCK  
 ESTHER GAMA  
 G ALDEN  
 JOSE TENECELA  
 LORELEI DATTAN  
 MARIA FLORES-CRUZ

Target Street

Cross Street

Source

✓

-

Cole Information Services

**E MILL PLAIN BLVD**

**2013**

**(Cont'd)**

2000	MARLON MUNOZ
	PAUL HERNANDEZ
	RAISA YOUNGBLOOD
	REX WILSON
	ROBIN ESPINOZA
	WENDY SCHWANCT
	WENDY STENSRUDE
2001	RICHARD BEATTY
2008	BRUCE WATSON
2009	OCCUPANT UNKNOWN
2012	OCCUPANT UNKNOWN

**E MILL PLAIN BLVD****2008**

108	FSM INVESTMENTS LLC MORSE BRATT & ANDERSEN PLLC NORTHWEST CRAFTERS MARKETPLACE RANDALL STEWART
200	JESSICA RYCHTARIK
202	SENIOR MESSENGER
210	CHV BLUE GOOSE MARKET II VANCOUVER CHEVRON
260	RITCHIE MOHR
307	HOLLAND INC THE
312	TERRY CORNELIUS
315	SAMS AUTO REPAIR
316	GEORGE TAKADA WESTSIDE PIZZA
409	MATILDA GUHR
415	ALFRED BENNETT BURLWOOD HOMEOWNERS ASSOCIATION MARK ZOLLER LLC SELLERS & JACOBS SELLERS LAW OFFICE
501	BILLY SHAFFER JASON STINSON JHON ROHAN JON BOWEN LAKEYA MCGEE LYNN SABIN MICHELLE LINDSTROM NATHANIEL MACKKEY PAT ELEDGE RICH SIGLER SHANNON EVANS TIFFANY ALSCHBACH
1007	FORT VANCOUVER REGIONAL LIBRARY DIST VANCOUVER PUBLIC LIBRARY
1812	BLAINE SNIDER HAMILTON MAYS WALTER JOHNSON
1815	CRISTAL MORRIS MICHAEL ASPLUND
1818	ADS LOGISTICS LLC
1905	MICHAEL GIBSON
1909	AIMEE JOSEPHSEN PANTECHNIKA
1910	M DUNCON
1914	AMBER WOOLLEY DAVID HASTEDT LEE SIMONEN MARTA VARGAS ROB VANMEAR WILLIAM NUGENT

**E MILL PLAIN BLVD**

**2008**

**(Cont'd)**

- 2000 AKILINO ISAAC
- ALEKSEY AFANASYEV
- ALEXANDRIA JOHNSON
- BEN OWENS-WELCH
- BRETT SMYTHE
- CAMPUS PARK APTS
- CRISTINA STENSRUDE
- DERYL FEIMSTER
- GARY OOTEN
- IVAN JULCHA
- JEFFREY WIGEN
- JOEL SINNHUBER
- LARRY HOLTER
- LDRAY EYLER
- MARIA RAMIREZ
- PAUL HERNANDEZ
- PECK PRAVISAY
- RON BISHOP
- SARA STANGER
- SCOTT RAFN
- SHANE BOWERS
- SHEENA FAWCETT
- SUSAN SHERMAN
- T JACKSON
- TIM MOFFET
- TRAVIS BECK
- 2001 JOHN GOLDBECK
- 2008 BRUCE WATSON
- 2009 GARY CAMPBELL
- 2012 SALLY BENNETT

**E MILL PLAIN BLVD****2003**

108 COLDWELL BANKER  
 COLDWELL BANKER COMMERCIAL BOB  
 COLDWELL VBANKER CMRCL BOB  
 HAROLD BENSON  
 202 SENIOR MESSENGER  
 VANCOUVER CITY OF SENIOR MSNGR  
 210 VANCOUVER CHEVRON USA  
 308 CLARK COUNTY TITLE CO  
 312 STATE FARM INSURANCE CO  
 TERRY CORNELIUS  
 TERRY CRNL STATE FARM INSRNC  
 316 DEVIATE DESIGN  
 STAGECOACH LUGGAGE REPAIR  
 400 DENNYS INC  
 DENNYS RESTAURANT  
 409 E GUHR  
 415 COLUMBIA RIVER MNGMNT SRVC I  
 CROWN EQUITIES INC  
 INTERSTATE APPRAISAL INC  
 JAMES SELLERS  
 MARK ZOLLER  
 SELLERS & JACOBS  
 ZOLLER M H CO  
 501 CARL JACOBSEN  
 IRIS RAFF  
 JENNIFER RAPIER  
 NATHANIEL MACKKEY  
 RICHARD JACOX  
 ROBERT CARMICHIEL  
 1007 FORT VANCOUVER REG LIBRARY  
 IRA WALTERS  
 LIBRARIES PUB FORT VNCVR REGL  
 1812 CAROL PREIST  
 1815 SARAH LEMOS  
 SHEILA NEWCOMBE  
 1905 BRYAN KEOGH  
 DAVID CHASTAIN  
 1910 JEFF STAATS  
 STAATS MECHANICAL & MNTNNC  
 1914 DAVID HASTEDT  
 MICHAEL MILLER  
 WILLIAM NUGENT  
 2000 ALEKSEY AFANASYEV  
 AMANDA SHERRER  
 CARY CHANTRILL  
 CONNIE BOFFORD  
 CRYSTAL HAZEN  
 ELLIS DANIEL  
 JESSICA RYCHTARIK  
 JOSHUA JENSEN



**E MILL PLAIN BLVD**

**2003**

**(Cont'd)**

2000	KAREN GUSTAFSON
	L CARSON
	MATTHEW LEMON
	NERMIN BEJTIC
	PAMELA DAVIS
	PAUL DEMING
	PRAVEEN DEWAN
	RANDY BISHOP
	RICHARD HAAS
	SAVA ONN
	SEAN SULLIVAN
	TO NGUYEN
	TRAVIS BECK
	TRAVIS DECK
2001	JOHN GOLDBECK
2008	BRUCE WATSON
2009	GARY CAMPBELL

**E MILL PLAIN BLVD****1999**

108	COLDWELL BANKER COMMERCIAL BOB BERNHARDT ASSOCIATES INCORPOR
210	VANCOUVER CHEVRON USA
307	BURGERVILLE USA
312	CORNELIUS TERRY LYLE INS STATE FARM INSURANCE COMPAN
400	DENNYS RESTAURANT
409	E GUHR
415	ATLANTIC WEST MORTGAGE CAULKINGS SUSAN L ATTORNEY DIAMOND HOME SALES RAINY RIVER FOREST PRODUCTS ZOLLER M H COMPANY
501	CARL JACOBSEN N MACKEY ROBERT CARMICHIEL
871	FAMILY MEDCN OF SOUTHWEST WASHINGTON ADVISE NUR FAMILY MEDCN OF SOUTHWEST WASHINGTON BUS OFFICE FAMILY MEDCN OF SOUTHWEST WASHINGTON PHARM LINE
1007	LIBRARIES PUBLIC LIBRARIES PUBLIC BRANCH LIBRARIES LIBRARIES PUBLIC FORT VANCOUVER REGIONAL LIBRARIES PUBLIC FORT VANCOUVER REGIONAL LIBRARY LIBRARIES PUBLIC MAIN LIBRARY
1812	CHARLES PETTIT
1815	STEVE CHASE
1817	JAMES CHESLEY
1905	K PARMENTER
1914	DONALD PADDOCK WILLIAM NUGENT
2000	BO STOUT BOB MCCAULEY CAMPUS PARK APARTMENTS CHRISTI HENNESSY ENIS HASKIC HYUN KWON IGOR PUSTOVIT JEFF HOKANSON LJUBICA SURTOV RANDY BISHOP ROBERT MOURTON SENAD BRKIC TIM GUYETT TIM MOSBRUCKER
2008	BRUCE WATSON
2009	GARY CAMPBELL

**E MILL PLAIN BLVD****1995**

108	FIRST AMERICAN TITLE INS CO
210	VANCOUVER CHEVRON USA
307	BURGERVILLE USA
308	SIGNAL GRAPHICS PRINTING
312	STATE FARM INSURANCE
400	DENNYS
409	GUHR, E A
415	BOISE CASCADE CORP
	INTERSTATE APPRAISAL
	M H ZOLLER CO
	SOPREMA ROOFING & WTRPRFNG INC
	STATE PIPE & SUPPLY CO
	WESTERN ASH CO
501	CARMICHIEL, ROBERT C
	JACOBSEN, CARL E
	POWDERS, DAVID
	TAYLOR, FRANK
	WANSER, ROBERT
1007	FORT VANCOUVER REGIONAL LBRY
1815	JUSTICE, HARRIET
	SAHIM, DANETTE M
1817	OCCUPANT UNKNOWNN
1905	CURRAH, KAREN
	WILSON, JANENE
1910	LENGVENIS, RICHARD
1914	MCBAIN, C N
	PADDOCK, DONALD
	VANVOLKENBURG, F
2000	BROWN, DAN
	CAMPBELL, BRIAN D
	CANNELL, J
	COMPTON, BOBBY
	CORONELL, RAY
	DAVIS, RHONDA
	DOYLE, B
	GARMOE, VICKI
	GATELY, MICHAEL S
	GUYETT, TIM
	JONES, REGGIE
	MATTSON, JOSH
	PEARSON, WARREN
	RUSH, K
	TRAN, TRI
	TROEH, MARY
	TYLER, SEAN
	YOUNG, STEVEN L
2001	GOLDBECK, JOHN
2008	WATSON, BRUCE
2009	OCCUPANT UNKNOWNN
2012	WOJCIECHOWSKI, JOHN

**E MILL PLAIN BLVD**

**1992**

108	FIRST AM TITLE CO
210	VANC CHEVRON USA
307	BURGERVILLE USA
308	AAL
	ADVANCE TECHNOLOGS
	BEN PETERSON
	GARY MEIER
	LUTHERAN AID ASSOC
	WESTERN DATA SPPLY
400	DENNYS REST
409	GUHR, E A
415	BOISE CASCADE
	BRADLEY FAM MEDTN
	DBCI
	FOOTHILLS COUNSLNG
	INTRST APPRAISAL
	M H ZOLLER CO
	NANA GLOBAL IND
	PHILLIPS GROUP INC
	RIVIERA FINANCE
	SHARP CONSULTATION
	SUPERVISDE VISITAT
	TIMBERNETINC
	VERN BRADLEY
	WALT FUTTRUP CO
1007	CMNTY LIBR MTG RM
	CMNTY LIBR OVERDUE
	CMNTY LIBR REF INF
	FT VNCVR LIBR SYS
	LIBR SYS ADMIN
	PUBLIC LIBRARIES
	VNCVR CMTY LBR HRS
1815	WILSON, GEORGE
1905	HULLET, JAMES
2001	SMITH, CARY O
2008	WARDLAW, TAMI G

## E MILL PLAIN BLVD

1986

3

**MILL PLAIN BLVD E —FROM 1401  
MAIN ST EAST**

**ZIP CODE 98660**

**BROADWAY ST INTERSECTS**

202 Transamerica Title Services ins & escrow  
servs 695-1301

210 Vancouver Chevron gas sta 693-9848

**C STREET INTERSECTS**

307 Burgerville U S A Inc No 2 restr  
693-8801

308 Lutjen Insurance Agcy 696-4351

312 Vacant

316 Vacant

**D STREET INTERSECTS**

400 Denny's Restaurant 696-4917

405 Vacant

409 No Return

**E STREET INTERSECTS**

501 Fort Apartments 694-3327

41★Rader Sam

42 Urbie Evelyn Mrs

43 Blakenpaaker Warren M

44★Wrenn Donald

45★Yab Robt

46 Brantley Michl

47★Larson Michl

48 Vacant

49 Maddox Johanna

51 Vacant

52★Williams Lida

53★Jackson Carl

**E MILL PLAIN BLVD**

**1981**

**3**

**MILL PLAIN BLVD E —FROM 1401  
MAIN ST EAST**

**ZIP CODE 98660**

**BROADWAY ST INTERSECTS**

**202 Transamerica Title Services ins & escrow  
servs 695-1301**

**210 Fast Gas gas sta 693-9848**

**C STREET INTERSECTS**

**307 Burgerville U S A Inc No 2 restr  
693-8801**

**308 Vacant**

**312 Transamerica Finance Services 693-5817**

## E MILL PLAIN BLVD

1981

**E MILL PLAIN BLVD—Contd**

316 Luetjen Insurance Agency 696-4351

**D STREET INTERSECTS**

400 V I P Restaurant 696-4917

405 Vacant

409 Vacant

**E STREET INTERSECTS**

501 Fort Apartments 694-3327

41 Roark Jeannette A Mrs 694-4397

42 Urbie Evelyn Mrs

43 Ward Donald W 695-0935

44★Anderson Dexter

45★Winston P G

46★Brantley Michl

47 Badger Emma Mrs 696-3091

48 Vacant

49 Maddox Johanna

51 Freer Robt

52★Amos Wm

53★Mc Tavish Lenore

54 Carmichiel Robt E

55 Dunn Anthony

56 Diller Carol

57 Kinsey Carrie A Mrs 695-7269

58 Blankenbaker Orville A

59★Simon Herb

**STREET CONTINUED**

**E MILL PLAIN BLVD 1976****MILL PLAIN BLVD E —FROM 1401  
MAIN ST EAST**

ZIP CODE 98660

BROADWAY ST INTERSECTS

210 Fast Gas gas sta 693-9848

C STREET INTERSECTS

307 Burgerville U S A Inc No 2 restr  
693-8801

308 Swan General Agency Inc ins 694-6558

312 Pacific Finance Loans 693-5817

316 City Investment Agencies Inc real est  
696-4351

Luetjen Insurance Agency 696-4351

D STREET INTERSECTS

400 Under Constn

405 Clark Marilou Mrs

409 No Return

E STREET INTERSECTS

500 Hoesly Auto Service 695-5871

501 Fort Apartments 694-3327

41 Roark A Mrs

42 Urbie Evelyn Mrs

43★White Donald

44 Kline Vicky

45 Vacant

46 Miller Keith L 696-1968

47 Badger Emma Mrs 696-3091

48 Rossiter Desery 693-4349

49★Maddox J

51 De Leo Gary T

52 Peterson Tillman 695-3868

53★Mayfield Lloyd D

54 Helzer Colleen C 694-2887

55 Campbell

56★Wheeler Beverly

57 Kinsey Carrie A Mrs 695-7269

58 Blankenbaker Orville A

59★Buchanan Otis J



E MILL PLAIN BLVD

1971

**3**

**MILL PLAIN BLVD E —FROM  
1401 MAIN ST EAST**

**ZIP CODE 98660**

**BROADWAY ST INTERSECTS**

**210 Mc Coy Auto Co used cars**

**C ST INTERSECTS**

**307 Burgerville USa Inc No 2**

**restr 693-8801**

**308 Vacant**

**312 Pacific Finance Loans**

**693-5817**

**316 Krotzer Lawrence S phys**

**694-2565**

**Lewiski Michl phys 694-2565**

## E MILL PLAIN BLVD

1971

Seeds Asa E phys 694-2565

**D ST INTERSECTS**

405 Ruby Thos W 695-9769

409 Guhr Edwin A © 693-8114

415 Vacant

**E ST INTERSECTS**

500 Hoesly Auto Service 695-5871

501 Fort Apartments

41 Peterson Virginia Mrs

42 Martinez Evelyn Mrs

43 Hollinger Walter

44 Bond Robt H

45 Beach E W

46 Levette Robt

47 Badger R E

48 Becker Jerry

49 Smith Doris L

51 Delee Gary T

52 Peterson Tillman

53 Blazeovich Anthony J

54 Hayes Bruce

55 Carroll M A

56 Wilson Kenny

57 Kinsey Carrie A Mrs

58 Neseth Avery T Mrs

59 Stephens M L

**STREET CONTINUED**

## E MILL PLAIN BLVD

1966

308 STATE DEPT OF PUB  
ASSISTANCE (MED CARE  
FIELD OFC) 639-7851  
WISWALL HENRY M PHYS  
693-7851

312 PACIFIC FINANCE LOANS  
693-5817

316 KROTZER LAWRENCE S  
PHYS 694-2565  
SEEDS ASA E PHYS  
694-2565

---D ST INTERSECTS

400 DONAHUE GLORIA

402 HINES BOB

405 BEASON GORMAN W

406 APARTMENTS

1 KASTERSON RONALD

2 TOLL EDW

3 PITTS MYRTLE

4 VACANT

5 VACANT

409 GUHR EDWIN A ●

693-8114

410 MICHAEL BERT M

415 FANNING IRENE H MRS ●

695-7976

---E ST INTERSECTS

**E MILL PLAIN BLVD 1963**

308 Wiswall Henry M phys  
OX3-7851  
State Dept of Pub Assist-  
ance Med Care Field  
Ofc OX4-8421  
312 Pac Finance Loans OX3-  
5817  
315 Vacant  
316 Newman Alex phys OX3-  
1272

**D intersects**

400 White S May Mrs  
OX4-2738  
401 No Return  
402 Lust Cath Mrs OX3-5962  
405 Andre Leon R © barber  
OX4-1043  
406 Carrey Lawrence  
Kite Melvin  
Lund Odd  
409 Guhr Edwin A © OX3-8114  
410 No Return  
415 Fanning Irene H Mrs ©  
OX5-7976

**E intersects**

500 Hoesby Auto Serv  
OX5-5871  
501 Fort Apartments  
Apts  
41 Webb R S  
42 Gagnon Matthias J  
694-1382  
43 Cadwell Carrie Mrs  
44 Emetaz Roland V 694-  
4680

## E MILL PLAIN BLVD

1958

## C intersects

300 Boos Edw ΔOX 4-1928

McCoy Dale C ΔOX 3-9110

300<sup>1</sup>/<sub>2</sub> Vacant

304 Bartlett Earl W © ΔOX 4-1180

314 Estelle's Aquarium ΔOX 3-8374

Blaschke Eric C ΔOX 3-8374

Overby Millard F ΔOX 3-8374

## D intersects

400 Strickland Geo B ©

ΔOX 3-9116

401 Gausvik Nels M ©

ΔOX 3-7018

404 Apartments

1 Arrowood Myrtle M Mrs

3 Glenn Jack

4 Head Lloyd W

6 Steinke Martin ©

7 Fox Jameson

Street continued

E MILL PLAIN BLVD

1958

88

15TH, EAST—Contd

409 Hart Bertha A Mrs ©

ΔOX 4-2008

409½ Gaston Mae Mrs

410 Murray Dorothy Mrs ©

414 McLean Harry G ©

415 Gustafson Arche ΔOX 3-5726

E intersects

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

Job Number: XL-3604-H  
Boring: CRC-TR-50-12

Please print, sign and return to the Department of Ecology

# RESOURCE PROTECTION WELL REPORT

CURRENT Notice of Intent No. SE46824/AE19861

(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

475160

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

Property Owner WSDOT

Consulting Firm WSDOT

Site Address Vic. Of Mcloughlin and Main

Unique Ecology Well ID Tag No. \_\_\_\_\_

City \_\_\_\_\_ County Clark

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.

Location NW 1/4-1/4 NW 1/4 Sec 26 Twn 2N R 1

EWM  or WWM

Driller  Engineer  Trainee  
Name (Print Last, First Name) Shepherd, Robert

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

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

Driller/Engineer /Trainee Signature [Signature]

Tax Parcel No. \_\_\_\_\_

Driller or Trainee License No. 2710

Cased or Uncased Diameter 4" Static Level 28.5'

Work/Decommission Start Date 12/3/2012

Work/Decommission Completed Date 12/3/2012

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

Construction Design	Well Data	Formation Description
		0 - 2 ft Sand with silt
		2 - 4 ft Silt
		4 - 5.5 ft Sand with silt
		5.5 - 30.5 ft Sand with gravel

## RECEIVED

JAN 16 2013

WA State Department of Ecology (SWRO)

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

Job Number: XL-3604-H  
Boring: CRC-TR-50-12

Please print, sign and return to the Department of Ecology

# RESOURCE PROTECTION WELL REPORT

CURRENT Notice of Intent No. SE46824/AE19861

(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

475161

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

Property Owner WSDOT

Consulting Firm WSDOT

Site Address Vic. Of Mcloughlin and Main

Unique Ecology Well IDTag No. \_\_\_\_\_

City \_\_\_\_\_ County Clark

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.

Location NW 1/4-1/4 NW 1/4 Sec 26 Twn 2N R 1

EWM  or WWM

Driller  Engineer  Trainee  
 Name (Print Last, First Name) Shepherd, Robert  
 Driller/Engineer /Trainee Signature *Robert A. Shepherd*  
 Driller or Trainee License No. 2710

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

Tax Parcel No. \_\_\_\_\_

Cased or Uncased Diameter 4" Static Level 28.5'

Work/Decommission Start Date 12/3/2012

Work/Decommission Completed Date 12/3/2012

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

Construction Design	Well Data	Formation Description
		0 - 2 ft Sand with silt
		2 - 4 ft Silt
		4 - 5.5 ft Sand with silt
		5.5 - 30.5 ft Sand with gravel
Boring was backfilled with bentonite hole plug to surface.		

## RECEIVED

JAN 16 2013

WA State Department of Ecology (SWRO)



The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

Job Number: XL-3604-H  
Boring: CRC-TR-51-12

Please print, sign and return to the Department of Ecology

### RESOURCE PROTECTION WELL REPORT

CURRENT Notice of Intent No. SE-46824 / AE-19861

(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

475162

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

Property Owner WSDOT

Consulting Firm WSDOT

Site Address Vicinity of McLoughlin & Main

Unique Ecology Well IDTag No. \_\_\_\_\_

City \_\_\_\_\_ County Clark

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.

Location NW 1/4-1/4 NW 1/4 Sec 26 Twn 2 N R 1

EWM  or WWM

Driller  Engineer  Trainee  
 Name (Print Last, First Name) Nelson, Brad  
 Driller/Engineer /Trainee Signature [Signature]  
 Driller or Trainee License No. 2969

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

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

Tax Parcel No. \_\_\_\_\_

Cased or Uncased Diameter 4" Static Level \_\_\_\_\_

Work/Decommission Start Date 12/18/2012

Work/Decommission Completed Date 12/18/2012

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

Construction Design	Well Data	Formation Description
		0 - 0.3 ft. Pavement 0.3 - 31 ft Sand

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 JAN 16 2013  
 WA State Department  
 of Ecology (SWRO)

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

Job Number: XL-3604-H  
Boring: CRC-TR-51-12

Please print, sign and return to the Department of Ecology

# RESOURCE PROTECTION WELL REPORT

CURRENT Notice of Intent No. SE-46824 / AE-19861

(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

475163

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

Property Owner WSDOT

Consulting Firm WSDOT

Site Address Vicinity of McLoughlin & Main

Unique Ecology Well IDTag No. \_\_\_\_\_

City \_\_\_\_\_ County Clark

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.

Location NW 1/4-1/4 NW 1/4 Sec 26 Twn 2 N R 1

EWM  or WWM

Driller  Engineer  Trainee  
Name (Print Last, First Name) Nelson, Brad

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

Driller/Engineer /Trainee Signature [Signature]

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

Driller or Trainee License No. 2969

Tax Parcel No. \_\_\_\_\_

Cased or Uncased Diameter 4" Static Level \_\_\_\_\_

Work/Decommission Start Date 12/18/2012

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

Work/Decommission Completed Date 12/18/2012

Construction Design	Well Data	Formation Description
<p>Boring was backfilled with bentonite hole plug to surface.</p>		<p>0 - 0.3 ft Pavement 0.3 - 31 ft Sand</p> <p style="text-align: center; font-size: 2em; font-weight: bold;">RECEIVED</p> <p style="text-align: center; font-size: 1.2em;">JAN 16 2013</p> <p style="text-align: center;">WA State Department of Ecology (SWRO)</p>

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

Job Number: XL-3604-H  
Boring: CRC-TR-49-12

Please print, sign and return to the Department of Ecology

# RESOURCE PROTECTION WELL REPORT

CURRENT Notice of Intent No. SE46823/AE19860

(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

475164

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

Property Owner WSDOT

Consulting Firm WSDOT

Site Address Vic. Of W. 17th and G St.

Unique Ecology Well IDTag No. \_\_\_\_\_

City \_\_\_\_\_ County Clark

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.

Location NE 1/4-1/4 NE 1/4 Sec 27 Twn 2N R \_\_\_\_\_

EWM  or WWM

Driller  Engineer  Trainee  
 Name (Print Last, First Name) Cooper, Richard  
 Driller/Engineer /Trainee Signature *Richard Cooper*  
 Driller or Trainee License No. 2964

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

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

Tax Parcel No. \_\_\_\_\_

Cased or Uncased Diameter 4" Static Level 27.5'

Work/Decommission Start Date 12/6/2012

Work/Decommission Completed Date 12/6/2012

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

Construction Design	Well Data	Formation Description
		0 - 0.25 ft Pavement
		0.3 - 3 ft Gravel with sand and silt
		3 - 13 ft Sand
		13 - 18 ft Gravel with sand and silt
		18 - 30 ft Sand

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JAN 16 2013

WA State Department of Ecology (SWRO)

# Document



\* D O C U M E N T \*

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

Job Number: XL-3604-H  
Boring: CRC-TR-49-12

Please print, sign and return to the Department of Ecology

### RESOURCE PROTECTION WELL REPORT

CURRENT Notice of Intent No. SE46823/AE19860

(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

475165

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

Property Owner WSDOT

Site Address Vic. Of W. 17th and G St.

Consulting Firm WSDOT

City \_\_\_\_\_ County Clark

Unique Ecology Well IDTag No. \_\_\_\_\_

Location NE 1/4-1/4 NE 1/4 Sec 27 Twn 2N R. \_\_\_\_\_

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.

EWM  or WWM

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

Driller  Engineer  Trainee

Name (Print Last, First Name) Cooper, Richard

Driller/Engineer /Trainee Signature [Signature]

Driller or Trainee License No. 2964

Tax Parcel No. \_\_\_\_\_

Cased or Uncased Diameter 4" Static Level 27.5'

Work/Decommission Start Date 12/6/2012

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

Work/Decommission Completed Date 12/6/2012

Construction Design	Well Data	Formation Description
		0 - 0.25 ft Pavement
		0.3 - 3 ft Gravel with sand and silt
		3 - 13 ft Sand
		13 - 18 ft Gravel with sand and silt
		18 - 30 ft Sand
Boring was backfilled with bentonite hole plug to surface.		

RECEIVED

JAN 16 2013

WA State Department of Ecology (SWRO)

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

Job Number: XL-3604-H  
Boring: CRC-TR-48-12

Please print, sign and return to the Department of Ecology

### RESOURCE PROTECTION WELL REPORT

CURRENT Notice of Intent No. SE46823/AE19860

(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

475164

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

Property Owner WSDOT

Consulting Firm WSDOT

Site Address Vic. Of W.17th St. and G St.

Unique Ecology Well IDTag No. \_\_\_\_\_

City \_\_\_\_\_ County Clark

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.

Location NE 1/4-1/4 NE 1/4 Sec 27 Twn 2N R \_\_\_\_\_

EWM  or WWM

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

Driller  Engineer  Trainee

Name (Print Last, First Name) Shepherd, Robert

Driller/Engineer /Trainee Signature [Signature]

Driller or Trainee License No. 2710

Tax Parcel No. \_\_\_\_\_

Cased or Uncased Diameter 4" Static Level 28.5'

Work/Decommission Start Date 12/5/2012

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

Work/Decommission Completed Date 12/5/2012

Construction Design	Well Data	Formation Description
<p>Boring was backfilled with bentonite hole plug to surface.</p>		0 - 0.3 ft Pavement
		0.3 - 7.5 ft Sand
		7.5 - 14 ft Sand with silt
		14 - 30.5 ft Sand

RECEIVED

JAN 16 2013

WA State Department of Ecology (SWRO)

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

Job Number: XL-3604-H  
Boring: CRC-TR-48-12

Please print, sign and return to the Department of Ecology

**RESOURCE PROTECTION WELL REPORT**

**CURRENT Notice of Intent No.** SE46823/AE19860

(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

475167

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

Property Owner WSDOT

Consulting Firm WSDOT

Site Address Vic. Of W.17th St. and G St.

Unique Ecology Well IDTag No. \_\_\_\_\_

City \_\_\_\_\_ County Clark

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.

Location NE 1/4-1/4 NE 1/4 Sec 27 Twn 2N R \_\_\_\_\_

EWM  or WWM

Driller  Engineer  Trainee  
 Name (Print Last, First Name) Shepherd, Robert  
 Driller/Engineer /Trainee Signature [Signature]  
 Driller or Trainee License No. 2710

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

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

Tax Parcel No. \_\_\_\_\_

Cased or Uncased Diameter 4" Static Level 28.5'

Work/Decommission Start Date 12/5/2012

Work/Decommission Completed Date 12/5/2012

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

Construction Design	Well Data	Formation Description
		0 - 0.3 ft Pavement
		0.3 - 7.5 ft Sand
		7.5 - 14 ft Sand with silt
		14 - 30.5 ft Sand

RECEIVED

JAN 16 2013

WA State Department of Ecology (SWRO)

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

Please print, sign and return by mail to Department of Ecology

# RESOURCE PROTECTION WELL REPORT

CURRENT Notice of Intent No. A 112009

(SUBMIT ONE WELL REPORT PER WELL INSTALLED)

Construction/Decommission (select one)

- Construction
- Decommission ORIGINAL INSTALLATION Notice

of Intent Number S 23006  
Consulting Firm CARLSON

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Department of Ecology

Type of Well (select one)

- Resource Protection
- Geotech Soil Boring

Unique Ecology Well ID  
Tag No. B-3

Property Owner MARSHALL COMMUNITY CENTER

Site Address 1009 E MCLOUGHLIN BLVD

City VANCOUVER County CLARK

Location NW1/4-1/4 NW1/4 Sec 26 Twn 2 R 1  EWM  WWM

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.

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

Tax Parcel No. \_\_\_\_\_

Cased or Uncased Diameter 8 Static Level NONE

Work/Decommission Start Date 2/23/06

Work/Decommission Completed Date 2/23/06

Driller  Engineer  Trainee Name (Print) WARREN MCCANN  
Driller/Engineer/Trainee Signature [Signature]  
Driller or Trainee License No. 2460

If trainee, licensed driller's  
Signature and License No. [Signature]

### Construction/Design

### Well Data

### Formation Description

BACKFILLED WITH BENTONITE CHIPS FROM 15 FEET TO 0 FEET

GREY SANDY SILT MOIST MEDIUM STIFF

GREY SANDY GRAVEL MOIST DENSE

TERMINATED AT 15 FEET

SCALE: 1"= 20

PAGE 1 OF 1



The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

Please print, sign and return by mail to Department of Ecology

# RESOURCE PROTECTION WELL REPORT

CURRENT Notice of Intent No. A 112009

(SUBMIT ONE WELL REPORT PER WELL INSTALLED)

Construction/Decommission (select one)

- Construction
- Decommission ORIGINAL INSTALLATION Notice

Type of Well (select one)

- Resource Protection
- Geotech Soil Boring

Consulting Firm CARLSON

Unique Ecology Well ID

Tag No. B-2

Property Owner MARSHALL COMMUNITY CENTER

Site Address 1009 E MCLOUGHLIN BLVD

City VANCOUVER County CLARK

Location NW1/4-1/4 NW1/4 Sec 26 Twn 2 R 1

Select One  EWM  WWM

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.

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

Tax Parcel No. \_\_\_\_\_

Cased or Uncased Diameter 8 Static Level NONE

Work/Decommission Start Date 2/23/06

Work/Decommission Completed Date 2/23/06

Driller  Engineer  Trainee Name (Print) WARREN MCCANN

Driller/Engineer/Trainee Signature [Signature]

Driller or Trainee License No. 2460

If trainee, licensed driller's Signature and License No. [Signature] 2460

### Construction/Design

### Well Data

### Formation Description

BACKFILLED WITH BENTONITE CHIPS FROM 15 FEET TO 0 FEET

GREY SANDY SILT MOIST MEDIUM STIFF

GREY SANDY GRAVEL MOIST DENSE

TERMINATED AT 15 FEET

SCALE: 1"= 20'

PAGE 1 OF 1

ECY 050-12 (Rev. 2/03)

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# RESOURCE PROTECTION WELL REPORT

CURRENT Notice of Intent No. A 112009

(SUBMIT ONE WELL REPORT PER WELL INSTALLED)

Construction/Decommission (select one)

- Construction
- Decommission ORIGINAL INSTALLATION Notice

of Intent Number S 23006

Consulting Firm CARLSON

Unique Ecology Well ID

Tag No. B-1

Type of Well (select one)

- Resource Protection
- Geotech Soil Boring

Property Owner MARSHALL COMMUNITY CENTER

Site Address 1009 E MCLOUGHLIN BLVD

City VANCOUVER County CLARK

Location NW1/4-1/4 NW1/4 Sec 26 Twn 2 R 1

Select One  EWM  
 WWM

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.

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

Tax Parcel No. \_\_\_\_\_

Cased or Uncased Diameter 8 Static Level NONE

Work/Decommission Start Date 2/23/06

Work/Decommission Completed Date 2/23/06

Driller  Engineer  Trainee Name (Print) WARREN MCCANN

Driller/Engineer /Trainee Signature Warren McCann

Driller or Trainee License No. 2460


If trainee, licensed driller's Signature and License No. 2460

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Department of Ecology

### Construction/Design

### Well Data

### Formation Description

	<p>BACKFILLED WITH BENTONITE CHIPS FROM 15 FEET TO 0 FEET</p>	<p>GREY SANDY SILT MOIST MEDIUM STIFF</p> <p>-----</p> <p>GREY SANDY GRAVEL MOIST DENSE</p> <p>-----</p> <p>TERMINATED AT 15 FEET</p>
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SCALE: 1"= 20

PAGE 1 OF 1

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Please print, sign and return by mail to Department of Ecology

# RESOURCE PROTECTION WELL REPORT

(SUBMIT ONE WELL REPORT PER WELL INSTALLED)

Construction/Decommission (select one)

Construction

Decommission ORIGINAL INSTALLATION Notice

91458

of Intent Number

Consulting Firm CARLSON

Unique Ecology Well ID

Tag No. B-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) WARREN MCCANN

Driller/Engineer /Trainee Signature *[Signature]*

Driller or Trainee License No. 2460

If trainee, licensed driller's

Signature and License No. *[Signature]* 2460

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Department of Ecology

CURRENT Notice of Intent No. S 23006

Type of Well (select one)

Resource Protection

Geotech Soil Boring

Owner MARSHALL COMMUNITY CENTER

Site Address 1009 E MCLOUGHLIN BLVD

City VANCOUVER County CLARK

Location NW1/4-1/4 NW 1/4 Sec 26 Twn 2 R 1

Select One  EWM

WWM

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

Long Deg Long Min/Sec

Tax Parcel No.

Cased or Uncased Diameter 8 Static Level NONE

Work/Decommission Start Date 2/23/06

Work/Decommission Completed Date 2/23/06

### Construction/Design

### Well Data

### Formation Description

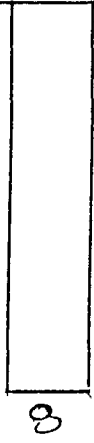
BACKFILLED WITH BENTONITE CHIPS FROM 25 FEET TO 0 FEET

GREY SANDY SILT MOIST MEDIUM STIFF

GREY SANDY GRAVEL MOIST DENSE

TERMINATED AT 25 FEET

0  
20  
40



SCALE: 1"= 20

PAGE 1 OF 1

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Please print, sign and return by mail to Department of Ecology

# RESOURCE PROTECTION WELL REPORT

CURRENT Notice of Intent No. S 23006

(SUBMIT ONE WELL REPORT PER WELL INSTALLED)

Construction/Decommission (select one)

- Construction
- Decommission ORIGINAL INSTALLATION Notice

Type of Well (select one)

- Resource Protection
- Geotech Soil Boring

191457 of Intent Number

Consulting Firm CARLSON

Unique Ecology Well ID

Tag No. B-5

RECEIVED  
MAR 06 2006  
Water Resources Program  
Department of Ecology

Property Owner MARSHALL COMMUNITY CENTER

Address 1009 E MCLOUGHLIN BLVD

City VANCOUVER County CLARK

Location NW1/4-1/4 NW 1/4 Sec 26 Twn 2 R 1  EWM  WWM

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.

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

Tax Parcel No. \_\_\_\_\_

Cased or Uncased Diameter 8 Static Level NONE

Work/Decommission Start Date 2/23/06

Work/Decommission Completed Date 2/23/06

Driller  Engineer  Trainee Name (Print) WARREN MCCANN

Driller/Engineer /Trainee Signature [Signature]

Driller or Trainee License No. 2460

If trainee, licensed driller's \_\_\_\_\_

Signature and License No. 2460

Construction/Design

Well Data

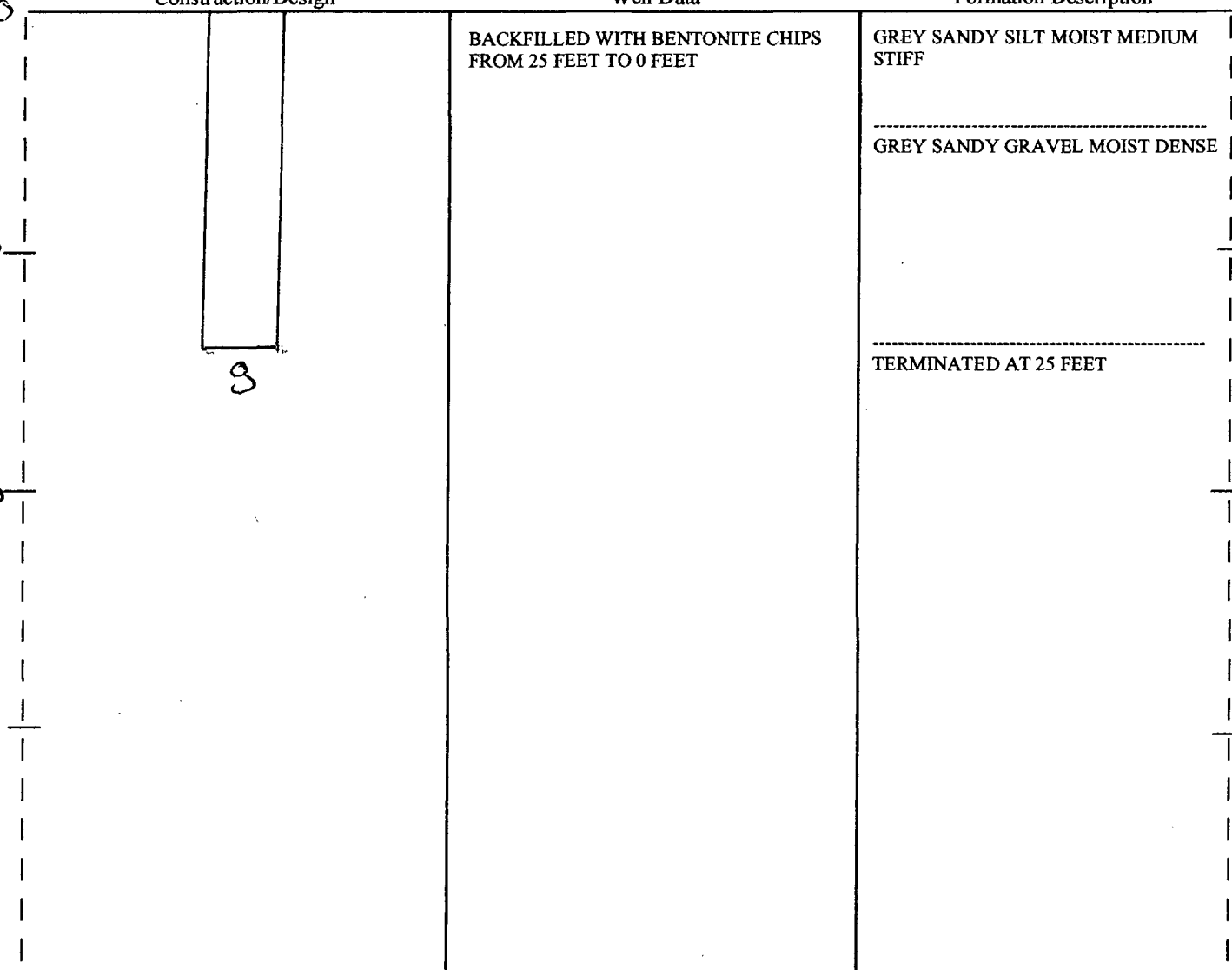
Formation Description

BACKFILLED WITH BENTONITE CHIPS FROM 25 FEET TO 0 FEET

GREY SANDY SILT MOIST MEDIUM STIFF

GREY SANDY GRAVEL MOIST DENSE

TERMINATED AT 25 FEET



SCALE: 1"= 20

PAGE 1 OF 1

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

Please print, sign and return by mail to Department of Ecology

# RESOURCE PROTECTION WELL REPORT

CURRENT Notice of Intent No. S 23006

(SUBMIT ONE WELL REPORT PER WELL INSTALLED)

Construction/Decommission (select one)

- Construction  
 Decommission ORIGINAL INSTALLATION Notice

Type of Well (select one)

- Resource Protection  
 Geotech Soil Boring

91456 of Intent Number S 23008  
 Consulting Firm CARLSON

Property Owner MARSHALL COMMUNITY CENTER  
 Site Address 1009 E MCLOUGHLIN BLVD

Unique Ecology Well ID  
 Tag No. B-4

City SEASIDE County CLARK  
 Location NW1/4-1/4 NW1/4 Sec 26 Twn 2 R 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) WARREN MCCANN  
 Driller/Engineer /Trainee Signature Warren  
 Driller or Trainee License No. 2460

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

Tax Parcel No. \_\_\_\_\_

Cased or Uncased Diameter 8 Static Level NONE

Work/Decommission Start Date 2/23/06

Work/Decommission Completed Date 2/23/06

If trainee, licensed driller's  
 Signature and License No. 2460

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 Water Resources Program  
 Department of Ecology

Construction/Design	Well Data	Formation Description
	<p>BACKFILLED WITH BENTONITE CHIPS FROM 15 FEET TO 0 FEET</p>	<p>GREY SANDY SILT MOIST MEDIUM STIFF</p> <hr/> <p>GREY SANDY GRAVEL MOIST DENSE</p> <hr/> <p>TERMINATED AT 15 FEET</p>

SCALE: 1"= 20'

PAGE 1 OF 1

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

Please print, sign and return by mail to Department of Ecology

# RESOURCE PROTECTION WELL REPORT

CURRENT Notice of Intent No. S 23006

(SUBMIT ONE WELL REPORT PER WELL INSTALLED)

Construction/Decommission (select one)

Construction

Decommission ORIGINAL INSTALLATION Notice

91455

of Intent Number S 23008

Consulting Firm CARLSON

Type of Well (select one)

Resource Protection

Geotech Soil Boring

Property Owner MARSHALL COMMUNITY CENTER

Site Address 1009 E MCLOUGHLIN BLVD

Unique Ecology Well ID

Tag No. B- 3

City VANCOUVER County CLARK

Location NW1/4-1/4 NW 1/4 Sec 26 Twn 2 R 1

Select One  EWM

WWM

WELL CONSTRUCTION CERTIFICATION: I constructed and 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.

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

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

Tax Parcel No. \_\_\_\_\_

Cased or Uncased Diameter 8 Static Level NONE

Work/Decommission Start Date 2/23/06

Work/Decommission Completed Date 2/23/06

Driller  Engineer  Trainee Name (Print) WARREN MCCANN

Driller/Engineer/Trainee Signature Warren McCann

Driller or Trainee License No. 2460

If trainee, licensed driller's Signature and License No. Warren McCann 2460

Construction/Design	Well Data	Formation Description
	BACKFILLED WITH BENTONITE CHIPS FROM 15 FEET TO 0 FEET	GREY SANDY SILT MOIST MEDIUM STIFF
		GREY SANDY GRAVEL MOIST DENSE
		TERMINATED AT 15 FEET

SCALE: 1" = 20'

PAGE 1 OF 1

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

Please print, sign and return by mail to Department of Ecology

# RESOURCE PROTECTION WELL REPORT

CURRENT Notice of Intent No. S 23006

(SUBMIT ONE WELL REPORT PER WELL INSTALLED)

Construction/Decommission (select one)

- Construction
- Decommission ORIGINAL INSTALLATION Notice

Type of Well (select one)

- Resource Protection
- Geotech Soil Boring

191453 of Intent Number S 23008

Consulting Firm CARLSON  
Unique Ecology Well ID  
Tag No. B- 2

RECEIVED  
MAR 06 2006  
Water Resources Division  
Department of Ecology

Property Owner MARSHALL COMMUNITY CENTER

Address 1009 E MCLOUGHLIN BLVD

VANCOUVER County CLARK

Location NW1/4-1/4 NW1/4 Sec 26 Twn 2 R 1

Select One  EWM  
 WWM

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.

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

Tax Parcel No. \_\_\_\_\_

Cased or Uncased Diameter 8 Static Level NONE

Work/Decommission Start Date 2/23/06

Work/Decommission Completed Date 2/23/06

Driller  Engineer  Trainee Name (Print) WARREN MCCANN

Driller/Engineer /Trainee Signature WARREN MCCANN

Driller or Trainee License No. 2460

If trainee, licensed driller's Signature and License No. 2460

Construction/Design

Well Data

Formation Description

BACKFILLED WITH BENTONITE CHIPS FROM 15 FEET TO 0 FEET

GREY SANDY SILT MOIST MEDIUM STIFF

GREY SANDY GRAVEL MOIST DENSE

TERMINATED AT 15 FEET

SCALE: 1"= 20'

PAGE 1 OF 1

ECY 050-12 (Rev. 2/03)

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Please print, sign and return by mail to Department of Ecology

# RESOURCE PROTECTION WELL REPORT

CURRENT Notice of Intent No. S 23006

(SUBMIT ONE WELL REPORT PER WELL INSTALLED)

Construction/Decommission (select one)

Construction

Decommission ORIGINAL INSTALLATION Notice

91452

of Intent Number S 23008

Consulting Firm CARLSON

Unique Ecology Well ID

Tag No. B-1

Type of Well (select one)

Resource Protection

Geotech Soil Boring

Property Owner MARSHALL COMMUNITY CENTER

Site Address 1009 E MCLOUGHLIN BLVD

City VANCOUVER County CLARK

Location NW1/4-1/4 NW1/4 Sec 26 Twn 2 R 1  EWM  WWM

WELL CONSTRUCTION CERTIFICATION: I constructed and 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.

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

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

Tax Parcel No. \_\_\_\_\_

Cased or Uncased Diameter 8 Static Level NONE

Work/Decommission Start Date 2/23/06

Work/Decommission Completed Date 2/23/06

Driller  Engineer  Trainee Name (Print) WARREN MCCANN

Driller/Engineer /Trainee Signature Warren McCann

Driller or Trainee License No. 2460

If trainee, licensed driller's \_\_\_\_\_

Signature and License No. 2460

RECEIVED  
MAR 06 2006  
Water Resources Program  
Department of Ecology

Construction/Design

Well Data

Formation Description

	<p>BACKFILLED WITH BENTONITE CHIPS FROM 15 FEET TO 0 FEET</p>	<p>GREY SANDY SILT MOIST MEDIUM STIFF</p> <hr/> <p>GREY SANDY GRAVEL MOIST DENSE</p> <hr/> <p>TERMINATED AT 15 FEET</p>
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SCALE: 1"= 20'

PAGE 1 OF 1



The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

Please print, sign and return by mail to Department of Ecology

# RESOURCE PROTECTION WELL REPORT

CURRENT Notice of Intent No. A 112009

(SUBMIT ONE WELL REPORT PER WELL INSTALLED)

Construction/Decommission (select one)

Construction

Decommission ORIGINAL INSTALLATION Notice

Type of Well (select one)

Resource Protection

Geotech Soil Boring

191463 of Intent Number S 23006

Consulting Firm CARLSON

Property Owner MARSHALL COMMUNITY CENTER

Address 1009 E MCLOUGHLIN BLVD

Unique Ecology Well ID

Tag No. B-4

City VANCOUVER County CLARK

Location NW1/4-1/4 NW 1/4 Sec 26 Twn 2 R 1

Select One  EWM  
 WWM

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.

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

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

Tax Parcel No. \_\_\_\_\_

Cased or Uncased Diameter 8 Static Level NONE

Work/Decommission Start Date 2/23/06

Work/Decommission Completed Date 2/23/06

Driller  Engineer  Trainee Name (Print) WARREN MCCANN

Driller/Engineer /Trainee Signature Warren

Driller or Trainee License No. 2460

If trainee, licensed driller's Signature and License No. 2460

### Construction/Design

### Well Data

### Formation Description

BACKFILLED WITH BENTONITE CHIPS FROM 15 FEET TO 0 FEET

GREY SANDY SILT MOIST MEDIUM STIFF

GREY SANDY GRAVEL MOIST DENSE

TERMINATED AT 15 FEET

SCALE: 1"= 20'

PAGE 1 OF 1

ECY 050-12 (Rev. 2/03)

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Water Resources Program  
Department of Ecology

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Please print, sign and return by mail to Department of Ecology

# RESOURCE PROTECTION WELL REPORT

CURRENT Notice of Intent No. A 112009

(SUBMIT ONE WELL REPORT PER WELL INSTALLED)

Construction/Decommission (select one)

Construction

Decommission ORIGINAL INSTALLATION Notice

191465

of Intent Number S 23006

Consulting Firm CARLSON

Type of Well (select one)

Resource Protection

Geotech Soil Boring

Property Owner MARSHALL COMMUNITY CENTER

Address 1009 E MCLOUGHLIN BLVD

Unique Ecology Well ID

Tag No. B- 6

RECEIVED  
MAR 06 2006  
Water Resources Program  
Department of Ecology

City VANCOUVER County CLARK

Location NW1/4-1/4 NW1/4 Sec 26 Twn 2 R 1

Select One  EWM

WWM

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.

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

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

Tax Parcel No. \_\_\_\_\_

Cased or Uncased Diameter 8 Static Level NONE

Work/Decommission Start Date 2/23/06

Work/Decommission Completed Date 2/23/06

Driller  Engineer  Trainee Name (Print) WARREN MCCANN

Driller/Engineer /Trainee Signature [Signature]

Driller or Trainee License No. 2460

If trainee, licensed driller's \_\_\_\_\_

Signature and License No. 2460

Construction/Design

Well Data

Formation Description

BACKFILLED WITH BENTONITE CHIPS FROM 25 FEET TO 0 FEET

GREY SANDY SILT MOIST MEDIUM STIFF

GREY SANDY GRAVEL MOIST DENSE

TERMINATED AT 25 FEET

SCALE: 1"= 20

PAGE 1 OF 1

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

Please print, sign and return by mail to Department of Ecology

# RESOURCE PROTECTION WELL REPORT

(SUBMIT ONE WELL REPORT PER WELL INSTALLED)

Construction/Decommission (select one)

Construction

Decommission ORIGINAL INSTALLATION Notice

191464

of Intent Number S 23006

Consulting Firm CARLSON

Unique Ecology Well ID

Tag No. B-5

Type of Well (select one)

Resource Protection

Geotech Soil Boring

RECEIVED  
MAR 06 2006  
Water Resources Program  
Department of Ecology

Property Owner MARSHALL COMMUNITY CENTER

Address 1009 E MCLOUGHLIN BLVD

City VANCOUVER

County CLARK

Location NW1/4-1/4 NW1/4 Sec 26 Twn 2 R 1

Select One  EWM

WWM

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.

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

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

Tax Parcel No. \_\_\_\_\_

Cased or Uncased Diameter 8 Static Level NONE

Work/Decommission Start Date 2/23/06

Work/Decommission Completed Date 2/23/06

Driller  Engineer  Trainee Name (Print) WARREN MCCANN

Driller/Engineer /Trainee Signature *Warren McCann*

Driller or Trainee License No. 2460

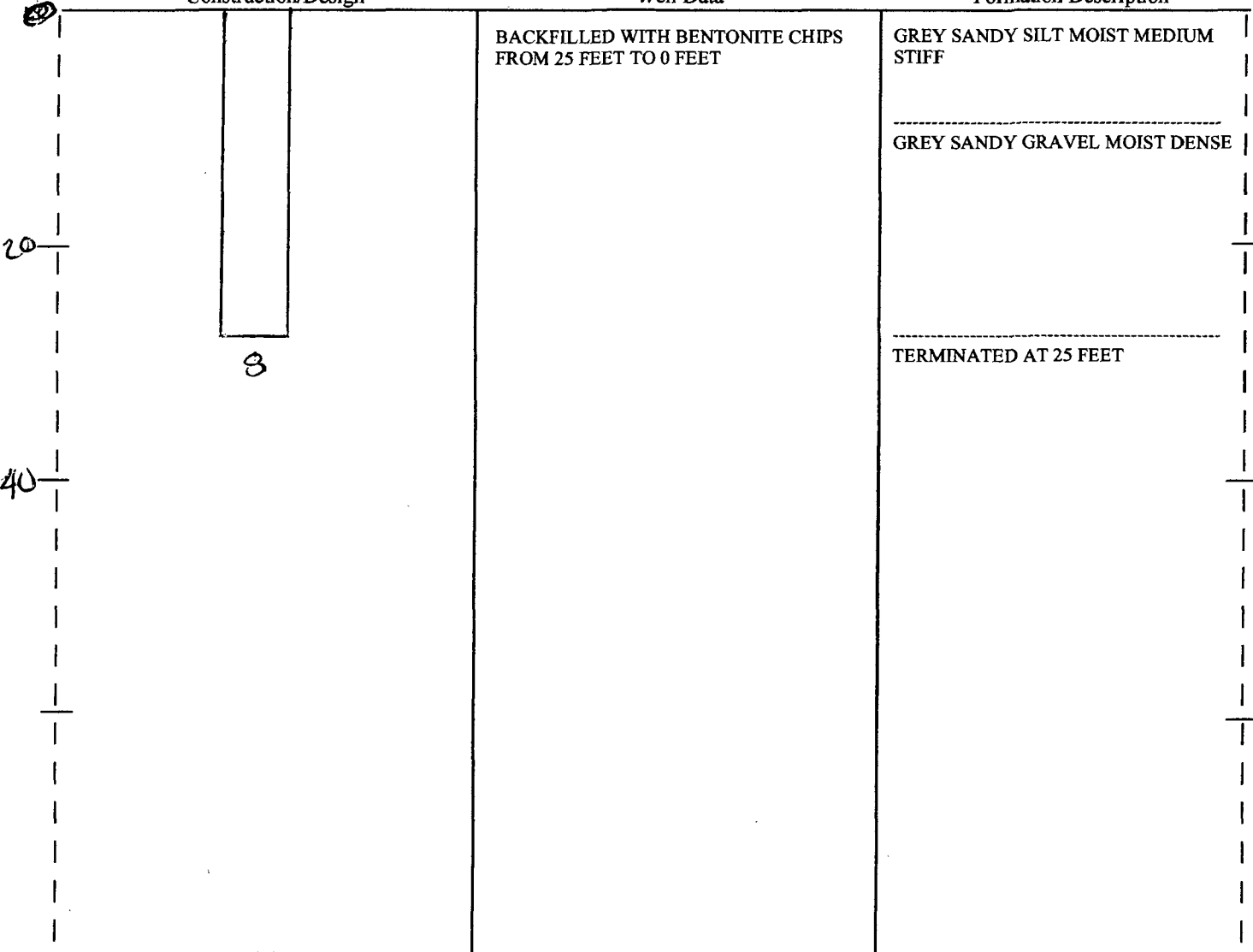
If trainee, licensed driller's \_\_\_\_\_

Signature and License No. 2460

Construction/Design

Well Data

Formation Description



SCALE: 1"= 20

PAGE 1 OF 1

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

( STATE OF WASHINGTON )  
 DEPARTMENT OF CONSERVATION  
 AND DEVELOPMENT

WELL LOG No. A. 6045

Date 11-22, 1961

Record by well driller

Source driller's record

Location: State of WASHINGTON

County Clark

Area \_\_\_\_\_

Map \_\_\_\_\_

SW  $\frac{1}{4}$  NW  $\frac{1}{4}$  sec 26 T. 2 N., R. 1 E. Diagram of Section

Drilling Co. R. J. Strasser Drilling Co.

Address 8110 S.E. Sunset Lane, Portland, Ore

Method of Drilling \_\_\_\_\_ Date Oct., 1961

Owner City of Vancouver, Washington

Address \_\_\_\_\_

Land surface, datum \_\_\_\_\_ ft. above  
 below

CORRE- LATION	MATERIAL	THICKNESS (feet)	DEPTH (feet)
------------------	----------	---------------------	-----------------

(Transcribe driller's terminology literally but paraphrase as necessary, in parentheses. If material water-bearing, so state and record static level if reported. Give depths in feet below land-surface datum unless otherwise indicated. Correlate with stratigraphic column, if feasible. Following log of materials, list all casings, perforations, screens, etc.)

	Loose gravel & boulders	11	11
	Sand & gravel some binder	28	39
	Tight sand & gravel	22	61
	Loose & dry sand & gravel	45	106
	Sand & gravel with clay binder	11	117
	Water bearing sand & gravel	18	135
	Tight gravel	6	141
	RECHARGE OR DISPOSAL WELL		
	Dim. 10" x 141'		
	SWL: 106' (Oct. 1961)		
	This well is a disposal well and wast not pumped. Water was pumped into it at the rate of 450 g.p.m. for 6 hours.		
	CASING:		
	10" diam. pipe from 0 to 141 ft.		

Turn up (over) Sheet \_\_\_\_\_ of \_\_\_\_\_ sheets

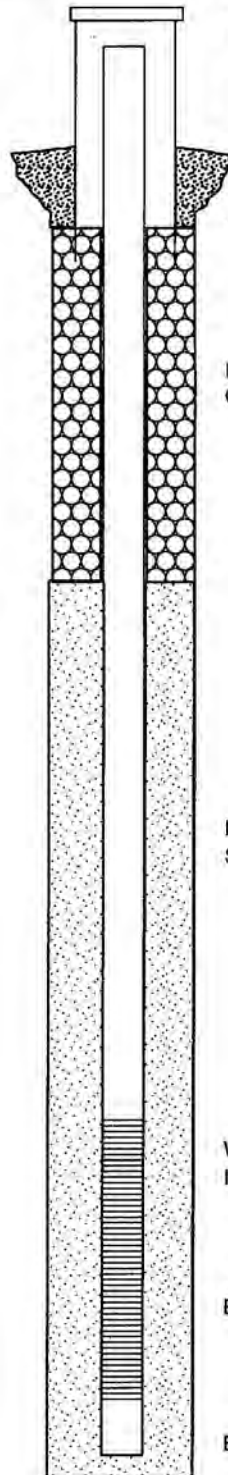


# RESOURCE PROTECTION WELL REPORT

Job No.: XL-3604-C Decommission card #: AE-28606  
Project: Columbia River Crossing, Mill Plain and McLoughlin County: Clark  
Hole#: P-9p-10 Well ID#: BBB-516 Location: SW1/4 of NW1/4 Sec: 26 Twn: 2 N Range: 1 EWM  
Method: Casing Advancer Street Address of Well: Vicinity of Mill Plain and Port Vancouver Way  
Driller: Shepherd, Robert Lic #: 2710 Water Table Depth: 30.1  
Company: WA State Dept. of Transportation Ground Surface Elevation: 97.98  
Signature: [Signature] Installed: 4/27/2010 Decommissioned: 9-23-14  
Cased Hole: 1"

Casing 4

Filled pipe with bentonite slurry.  
Cut off 2ft blow ground and sealed to of hole.



Protective Casing,  
Stick-up 2ft

Instrument Pipe'  
stick-up 1 1/2ft

Ground Surface

Cement Surface Seal  
from 0.0 ft. to 2.0 ft.

Instrument Pipe in  
Granular Bentonite, from 2.0 ft. to 22.0 ft.

Instrument Pipe in  
SAND, from 22.0 ft. to 24.0 ft.

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APR 03 2015

WA State Department  
of Ecology (SWRO)

Well Screen  
In Clean Sand, from 24.0 ft. to 34.0 ft

Bottom Seal, from 34.0 ft. to 40.5 ft

Bottom of Hole 40.5 ft.

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.



Washington State  
Department of Transportation

LOG OF TEST BORING

Start Card R 77020

Job No. XL-3604-C Gp-70 SR I-5 Elevation ft

HOLE No. P-10 P-10

Project OR-500 Tiger Columbia River Crossing

Sheet 1 of 3

Driller Johnson, Vince Lic# 2532

Site Address Vicinity of Mill Plain and Port Vancouver Way

Inspector Andrews, Cleo #1677 C.A.

Start April 26, 2010 Completion April 26, 2010 Well ID# BBB-515 (1" Piezo Well) Equipment CME 850 (9C2-2) - AH

Station 0. Offset 0. Hole Dia 4 (inches) Method Wet Rotary

Northing 116471.52 Easting 1087035.82 Collected by HQ Geotech Division Datum State Plane South

County Clark Subsection SW1/4 of NW1/4 Section 26 Range 1 EWM Township 2 N

Depth (ft)	Elevation (ft)	Profile	Field SPT (N)				Blows/6" (N) and/or RQD FF	Sample Type	Sample No. (Tube No.)	Lab Tests	Description of Material	Groundwater	Instrument
			20	40	60	80							
5								7 5 4 (9)	D-1		<p><b>RECEIVED</b></p> <p>MAY 26 2010</p> <p>WA State Department of Ecology (SWRO)</p> <p>Poorly graded SAND, with 0.3' of Silt and brown mottled stain, loose, brown, moist, HCl not tested. Length Recovered:1.5 ft. Length Retained:1.5 ft.</p>		
10								2 3 10 (13)	D-2		<p>Sandy SILT, with 0.5' of well graded Sand in bottom of sample, medium dense, olive brown, moist, HCl not tested. Length Recovered:1.5 ft. Length Retained:1.5 ft.</p>		
15								5 6 7 (13)	D-3		<p>Well graded SAND with gravel, medium dense, dark brown, moist, homogenous, HCl not tested, Started drilling harder at 17.0'. Length Recovered:1.5 ft. Length Retained:1.5 ft.</p>		
20								28 39	D-4		<p>Well graded SAND with gravel, very dense, dark brown, moist, homogenous, HCl not tested.</p>		

SOILA XL-3604 SR5 TIGER GPJ SOIL GDT 4/28/10

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.



Washington State  
Department of Transportation

LOG OF TEST BORING

Start Card R 77020

Job No. XL-3604-C Gp-70 SR I-5

Elevation ft

HOLE No. P-10 P-10

Sheet 2 of 3

Project SR-500 Tiger

Driller Johnson, Vince Lic# 2532

Depth (ft)	Elevation (ft)	Profile	Field SPT (N)				Blows/6" (N) and/or RQD FF	Sample Type	Sample No. (Tube No.)	Lab Tests	Description of Material	Groundwater	Instrument
			20	40	60	80							
27										Length Recovered:1.5 ft. Length Retained:1.5 ft.			
25								D-5		Well graded SAND, with poorly graded Sand, traces of small Gravel, dense, dark brown, moist, HCl not tested. Length Recovered:1.5 ft. Length Retained:1.5 ft.			
30								D-6		Poorly graded SAND, medium dense, dark brown, moist, homogenous, HCl not tested. Length Recovered:1.5 ft. Length Retained:1.5 ft.			
35								D-7		Poorly graded SAND, with 0.2' of silty Sand and 0.1' of Gravel in bottom of sample, dense, dark brown, moist, HCl not tested, Drilling indicated in and out of Gravel starting from 35.5' to 39.0'. Length Recovered:1 ft. Length Retained:1 ft.			
40								D-8		Poorly graded SAND, dense, dark brown, moist, homogenous, HCl not tested, Pictures taken of drill site and surrounding area. Length Recovered:1 ft. Length Retained:1 ft.			
45										A flush mount monument was installed on this boring.			

4/26/2010

**RECEIVED**  
MAY 26 2010

SOILA XL-3604 SR5 TIGER.GPJ SOIL.GDT 4/28/10



The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.



Washington State  
Department of Transportation

LOG OF TEST BORING

Start Card R 77020

Job No. XL-3604-C Gp-70 SR I-5

Elevation ft

HOLE No. P-10 P-10

Sheet 3 of 3

Project SR-500 Tiger

Driller Johnson, Vince Lic# 2532

Depth (ft)	Elevation (ft)	Profile	RQD				Blows/6" (N) and/or RQD FF	Sample Type	Sample No. (Tube No.)	Lab Tests	Description of Material	Groundwater	Instrument
			20	40	60	80							
50													
55													
60													
65													
70													

The implied accuracy of the borehole location information displayed on this boring log is typically sub-meter in (X,Y) when collected by the HQ Geotech Division and sub-centimeter in (X,Y,Z) when collected by the Region Survey Crew.

End of test hole boring at 40.5 ft below ground elevation. This is a summary Log of Test Boring. Soil/Rock descriptions are derived from visual field identifications and laboratory test data. Note: REF = SPT Refusal

Bail/Recharge test:  
Hole Diameter: 4  
Depth of boring during bail test: 40.5'  
Depth of casing during bail test: 39'  
Bailed bore hole water level to 35.5'  
Recharge after 1 minutes :35.5'  
Recharge after 2 minutes :35.5'  
Recharge after 3 minutes :35.5'  
Recharge after 5 minutes :36'  
Recharge after 30 minutes :37'

**RECEIVED**  
MAY 26 2010  
WA State Department  
of Ecology (SWRO)

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.



Washington State  
Department of Transportation

LOG OF TEST BORING

Start Card R 77020

Job No. XL-3604-C Gp-70 SR I-5 Elevation ft

HOLE No. P-9 P-10

Project SR-500 Tiger Columbia River Crossing

Sheet 1 of 3

Driller Johnson, Vince Lic# 2532

Site Address Vicinity of Mill Plain and Port Vancouver Way

Inspector Andrews, Cleo #1677 C.A.

Start April 27, 2010 Completion April 27, 2010 Well ID# BBB-516 (1" Piezo Well) Equipment CME 850 (9C2-2) - AH

Station 0. Offset 0. Hole Dia 4 (inches) Method Wet Rotary

Northing 116032.36 Easting 1086844.36 Collected by HQ Geotech Division Datum State Plane South

County Clark Subsection SW1/4 of NW1/4 Section 26 Range 1 EWM Township 2 N

Depth (ft)	Elevation (ft)	Profile	Field SPT (N)				Blows/6" (N) and/or RQD FF	Sample Type	Sample No. (Tube No.)	Lab Tests	Description of Material	Groundwater	Instrument
			20	40	60	80							
5													
5.4													
5.8													
6.2													
6.6													
7.0													
7.4													
7.8													
8.2													
8.6													
9.0													
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19.4													
19.8													
20.2													

**RECEIVED**

MAY 26 2010

WA State Department of Ecology (SWRC)

SOILA XL-3604 SR5 TIGER GPJ SOIL GDT 4/28/10

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.



LOG OF TEST BORING

Start Card R 77020

Job No. XL-3604-C Gp-70 SR I-5

Elevation ft

HOLE No. P-9 P-10

Sheet 2 of 3

Project SR-500 Tiger

Driller Johnson, Vince

Lic# 2532

Depth (ft)	Elevation (ft)	Profile	RQD				Blows/6" (N) and/or RQD FF	Sample Type	Sample No. (Tube No.)	Lab Tests	Description of Material	Groundwater	Instrument
			20	40	60	80							
25		[Cross-hatched profile]					2 (4)			loose, dark brown, wet, HCl not tested, Fill material. Length Recovered:1 ft. Length Retained:1 ft.			
25		[Dotted profile]					6 5 7 (12)	D-5		Well graded GRAVEL with sand, sub-rounded, with pieces of concrete, traces of Silt, medium dense, dark brown, wet, HCl not tested, Fill material. Length Recovered:1.5 ft. Length Retained:1.5 ft.			
30		[Dotted profile]					6 7 7 (14)	D-6		Poorly graded SAND, medium dense, dark brown, wet, homogenous, HCl not tested, Changed out of Gravel at 28.0' as indicated by drilling. Length Recovered:1.5 ft. Length Retained:1.5 ft. 4/27/2010	▽		
35		[Dotted profile]					4 3 4 (7)	D-7		Sandy SILT, loose, olive brown, moist, homogenous, HCl not tested. Length Recovered:1.5 ft. Length Retained:1.5 ft.			
40		[Dotted profile]					6 5 4 (9)	D-8		Sandy SILT, with 0.5' of poorly graded Sandin top of sample, traces of brownish orange mottled stain, loose, olive brown, moist, HCl not tested, Pictures taken of drill site and surrounding area. Length Recovered:1.5 ft. Length Retained:1.5 ft.			
45										A flush mount monument was installed on this boring.			

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MAY 26 2010

WA State Department  
of Ecology (SWRO)

SOILA XL-3604 SR5 TIGER.GPJ SOIL.GDT 4/28/10

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.



Washington State  
Department of Transportation

LOG OF TEST BORING

Start Card R 77020

Job No. XL-3604-C Gp-70 SR I-5

Elevation ft

HOLE No. P-9 P-10

Sheet 3 of 3

Project SR-500 Tiger

Driller Johnson, Vince Lic# 2532

Depth (ft)	Elevation (ft)	Profile	Field SPT (N)				Blows/6" (N) and/or RQD FF	Sample Type	Sample No. (Tube No.)	Lab Tests	Description of Material	Groundwater	Instrument
			20	40	60	80							
50													
55													
60													
65													
70													

The implied accuracy of the borehole location information displayed on this boring log is typically sub-meter in (X,Y) when collected by the HQ Geotech Division and sub-centimeter in (X,Y,Z) when collected by the Region Survey Crew.

End of test hole boring at 40.5 ft below ground elevation. This is a summary Log of Test Boring. Soil/Rock descriptions are derived from visual field identifications and laboratory test data. Note: REF = SPT Refusal

Bail/Recharge test:  
 Hole Diameter: 4  
 Depth of boring during bail test: 40.5'  
 Depth of casing during bail test: 39'  
 Bailed bore hole water level to 35.3'  
 Recharge after 1 minutes :35.1'  
 Recharge after 2 minutes :33'  
 Recharge after 3 minutes :31.8'  
 Recharge after 5 minutes :31'  
 Recharge after 10 minutes :30.3'  
 Recharge after 15 minutes :30.3'  
 Recharge after 30 minutes :29.1'  
 water table after install was 29.1'

**RECEIVED**

MAY 26 2010

WA State Department of Ecology (SWRO)

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

Please print, sign and return by mail to Department of Ecology

# RESOURCE PROTECTION WELL REPORT

CURRENT Notice of Intent No. RE 02254

(SUBMIT ONE WELL REPORT PER WELL INSTALLED)

Construction/Decommission (select one) 307165 RECEIVED

Type of Well (select one)

Construction  
 Decommission ORIGINAL INSTALLATION Notice  
of Intent Number \_\_\_\_\_

Resource Protection  
 Geotech Soil Boring

Consulting Firm AMEC JUN 17 2008 Property Owner City of Vancouver

Unique Ecology Well ID \_\_\_\_\_ Site Address E Evergreen Blvd and W Reserve St

Tag No. \_\_\_\_\_ WELL DRILLING UNIT Vancouver County Clark

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.

Location SE 1/4-1/4 NE1/4 Sec 27 Twn 2 R 1  EWM  WWM

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

Driller  Engineer  Trainee Name: (Print) Carlos Anguiano  
Driller/Engineer/Trainee Signature: Carlos Anguiano  
Driller or Trainee License No. 2563

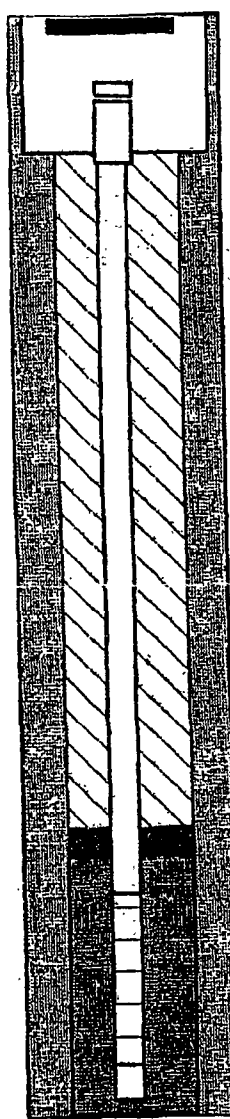
Tax Parcel No. \_\_\_\_\_

Cased or Uncased Diameter 2" Static Level 80'

If trainee, licensed driller's Signature and License No. \_\_\_\_\_

Work/Decommission Start Date 05-19-08

Work/Decommission Completed Date 05-26-08

Construction/Design	Well Data	Formation Description
	2" Monitoring Well constructed from 0'-140' using Sonic Method  Flush monument	0'-15' silts 15'-130' sandy gravels 13'-142' gravels
	2" Casing from 0'-80' of PVC 2" PVC screen from 80'-140' .02 slot	
	Bentonite grout from 1'-78' using 7 bags 8x12 sand from 78'-142'  Borehole diameter 6"	

435617

Please print, sign and return to the Department of Ecology

# RESOURCE PROTECTION WELL REPORT

CURRENT Notice of Intent No. SE44102

(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: \_\_\_\_\_

Property Owner Vancouver Housing Authority

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

Site Address 14<sup>th</sup> & Esther Street

Unique Ecology Well IDTag No. \_\_\_\_\_

City Vancouver County Clark

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.

Location NE1/4-1/4 SE1/4 Sec 27 Twn 2N R 1E

EWM  or WWM

Driller  Engineer  Trainee

Name (Print Last, First Name) Wiggins, Richard

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

Driller/Engineer /Trainee Signature Richard Wiggins

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

Driller or Trainee License No. 3042

Tax Parcel No. \_\_\_\_\_

Cased or Uncased Diameter 4.87 Static Level None

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

Work/Decommission Start Date 11/14/2011

Work/Decommission Completed Date 11/14/2011

### Construction Design

### Well Data

### Formation Description

	<p>Drilled (1) 30' Mud Rotary boring for geotechnical purposes</p>	<p>Gravel 0-7' Cobbles 7-16' Sand &amp; Gravel 16-30'</p> <p style="text-align: center;"><b>RECEIVED</b> NOV 22 2011 WA State Department of Ecology (SWRO)</p>
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435618

Please print, sign and return to the Department of Ecology

# RESOURCE PROTECTION WELL REPORT

CURRENT Notice of Intent No. AE15475

(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:

SE44102

Property Owner Vancouver Housing Authority

Site Address 14<sup>th</sup> & Esther St

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

City Vancouver County Clark

Unique Ecology Well IDTag No. \_\_\_\_\_

Location NE1/4-1/4 SE1/4 Sec 27 Twn 2N R 1E

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.

EWM  or WWM

Driller  Engineer  Trainee

Name (Print Last, First Name) Wiggins, Richard

Driller/Engineer /Trainee Signature Richard Wiggins

Driller or Trainee License No. 3042

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

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

Tax Parcel No. \_\_\_\_\_

Cased or Uncased Diameter 4.87 Static Level None

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

Work/Decommission Start Date 11/14/11

Work/Decommission Completed Date 11/14/11

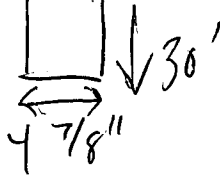
### Construction Design

### Well Data

### Formation Description

Decommissioned (1) 30' mud rotary boring using (7) 50 lb. sacks of bentonite grout 30-2' & (2) Sacks of Gravel 2-0'.

Gravel 0-7'  
Cobbles 7-16'  
Sand & Gravel 16-30'.  
Boring Decommissioned as described under well data.



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NOV 22 2011

WA State Department of Ecology (SWRO)

435619

Please print, sign and return to the Department of Ecology

# RESOURCE PROTECTION WELL REPORT

CURRENT Notice of Intent No. SE44102

(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: \_\_\_\_\_

Property Owner Vancouver Housing Authority

Site Address 14<sup>th</sup> & Esther Street

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

City Vancouver County Clark

Unique Ecology Well IDTag No. \_\_\_\_\_

Location NE1/4-1/4 SE1/4 Sec 27 Twn 2N R 1E

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.

EWM  or WWM

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

- Driller  Engineer  Trainee

Name (Print Last, First Name) Wiggins, Richard

Driller/Engineer /Trainee Signature Richard Wiggins

Driller or Trainee License No. 3042

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

Tax Parcel No. \_\_\_\_\_

Cased or Uncased Diameter 4.87 Static Level None

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

Work/Decommission Start Date 11/14/2011

Work/Decommission Completed Date 1/11/2011

### Construction Design

### Well Data

### Formation Description

	<p>Drilled (1) 30' Mud Rotary boring for geotechnical purposes</p>	<p>Gravel 0-7' Cobbles 7-16' Sand &amp; Gravel 16-30'</p> <p style="text-align: center;"><b>RECEIVED</b> NOV 22 2011 WA State Department of Ecology (SWRO)</p>
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435620

Please print, sign and return to the Department of Ecology

**RESOURCE PROTECTION WELL REPORT**

**CURRENT Notice of Intent No. AE15475**

(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:

SE44102

Property Owner Vancouver Housing Authority

Site Address 14<sup>th</sup> & Esther St

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

City Vancouver

County Clark

Unique Ecology Well IDTag No. \_\_\_\_\_

Location NE1/4-1/4 SE1/4 Sec 27 Twn 2N R 1E

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.

EWM  or WWM

- Driller
- Engineer
- Trainee

Name (Print Last, First Name) Wiggins, Richard

Driller/Engineer /Trainee Signature Richard Wiggins

Driller or Trainee License No. 3042

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

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

Tax Parcel No. \_\_\_\_\_

Cased or Uncased Diameter 4.87 Static Level None

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

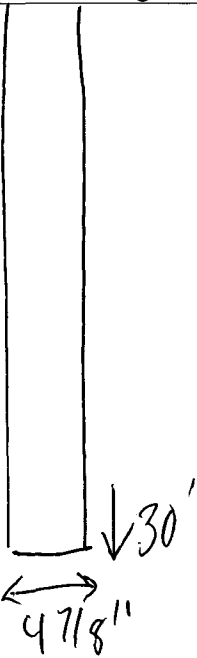
Work/Decommission Start Date 11/14/11

Work/Decommission Completed Date 11/14/11

Construction Design

Well Data

Formation Description



Decommissioned (1) 30' mud rotary boring using (7) 50 lb. sacks of bentonite grout 30-2' & (2) Sacks of Gravel 2-0'.

Gravel 0-7'  
Cobbles 7-16'  
Sand & Gravel 16-30'.  
Boring Decommissioned as described under well data.

RECEIVED  
NOV 22 2011  
WA State Department  
of Ecology (SWRO)

435621

Please print, sign and return to the Department of Ecology

# RESOURCE PROTECTION WELL REPORT

CURRENT Notice of Intent No. SE44102

(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: \_\_\_\_\_

Property Owner Vancouver Housing Authority

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

Site Address 14<sup>th</sup> & Esther Street

Unique Ecology Well IDTag No. \_\_\_\_\_

City Vancouver County Clark

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.

Location NE1/4-1/4 SE1/4 Sec 27 Twn 2N R 1E

EWM  or WWM

Driller  Engineer  Trainee

Name (Print Last, First Name) Wiggins, Richard

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

Driller/Engineer /Trainee Signature Richard Wiggins

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

Driller or Trainee License No. 3042

Tax Parcel No. \_\_\_\_\_

Cased or Uncased Diameter 4.87 Static Level None

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

Work/Decommission Start Date 11/15/2011

Work/Decommission Completed Date 11/15/2011

### Construction Design

### Well Data

### Formation Description

	<p>Drilled (1) 30' Mud Rotary boring for geotechnical purposes</p>	<p>Gravel 0-7' Cobbles 7-16' Sand &amp; Gravel 16-30'</p> <p style="text-align: center;"><b>RECEIVED</b> NOV 22 2011 WA State Department of Ecology (SWRO)</p>
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435623

Please print, sign and return to the Department of Ecology

# RESOURCE PROTECTION WELL REPORT

CURRENT Notice of Intent No. AE15475

(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:

SE44102

Property Owner Vancouver Housing Authority

Site Address 14<sup>th</sup> & Esther St

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

City Vancouver County Clark

Unique Ecology Well IDTag No. \_\_\_\_\_

Location NE 1/4-1/4 SE 1/4 Sec 27 Twn 2N R 1E

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.

EWM  or WWM

- Driller
- Engineer
- Trainee

Name (Print Last, First Name) Wiggins, Richard

Driller/Engineer /Trainee Signature Richard Wiggins

Driller or Trainee License No. 3042

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

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

Tax Parcel No. \_\_\_\_\_

Cased or Uncased Diameter 4.87 Static Level None

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

Work/Decommission Start Date 11/15/11

Work/Decommission Completed Date 11/15/11

### Construction Design

### Well Data

### Formation Description

<p style="text-align: center;"> <math>4 \frac{7}{8}''</math>  <math>\downarrow 30'</math> </p>	<p>Decommissioned (1) 30' mud rotary boring using (7) 50 lb. sacks of bentonite grout 30-2' &amp; (2) Sacks of Gravel 2-0'.</p>	<p>Gravel 0-7'  Cobbles 7-16'  Sand &amp; Gravel 16-30'.  Boring Decommissioned as described under well data.</p> <p style="text-align: center; font-weight: bold; font-size: 1.2em;">RECEIVED</p> <p style="text-align: center;">NOV 22 2011</p> <p style="text-align: center;">WA State Department of Ecology (SWRO)</p>
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435624

Please print, sign and return to the Department of Ecology

**RESOURCE PROTECTION WELL REPORT**

**CURRENT Notice of Intent No. SE44102**

(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:

Property Owner Vancouver Housing Authority

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

Site Address 14<sup>th</sup> & Esther Street

Unique Ecology Well IDTag No. \_\_\_\_\_

City Vancouver County Clark

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.

Location NE1/4-1/4 SE1/4 Sec 27 Twn 2N R 1E

EWM  or WWM

Driller  Engineer  Trainee

Name (Print Last, First Name) Wiggins, Richard

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

Driller/Engineer /Trainee Signature Richard Wiggins

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

Driller or Trainee License No. 3042

Tax Parcel No. \_\_\_\_\_

Cased or Uncased Diameter 4.87 Static Level None

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

Work/Decommission Start Date 11/15/2011

Work/Decommission Completed Date 11/15/2011

Construction Design

Well Data

Formation Description

<p style="text-align: center;">↓ 30' ← 4 7/8"</p>	<p>Drilled (1) 30' Mud Rotary boring for geotechnical purposes</p>	<p>Gravel 0-7' Cobbles 7-16' Sand &amp; Gravel 16-30'</p> <p style="text-align: right; font-weight: bold; font-size: 1.2em;">RECEIVED</p> <p style="text-align: right;">NOV 22 2011 WA State Department of Ecology (SWRO)</p>
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435626

Please print, sign and return to the Department of Ecology

# RESOURCE PROTECTION WELL REPORT

CURRENT Notice of Intent No. AE15475

(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:

SE44102

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

Unique Ecology Well IDTag No. \_\_\_\_\_

Property Owner Vancouver Housing Authority

Site Address 14<sup>th</sup> & Esther St

City Vancouver

County Clark

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) Wiggins, Richard

Driller/Engineer/Trainee Signature Richard Wiggins

Driller or Trainee License No. 3042

Location NE1/4-1/4 SE1/4 Sec 27 Twn 2N R 1E

EWM  or WWM

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

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

Tax Parcel No. \_\_\_\_\_

Cased or Uncased Diameter 4.87 Static Level None

Work/Decommission Start Date 11/15/11

Work/Decommission Completed Date 11/15/11

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

### Construction Design

### Well Data

### Formation Description

	<p>Decommissioned (1) 30' mud rotary boring using (7) 50 lb. sacks of bentonite grout 30-2' &amp; (2) Sacks of Gravel 2-0'.</p>	<p>Gravel 0-7' Cobbles 7-16' Sand &amp; Gravel 16-30'. Boring Decommissioned as described under well data.</p> <p style="text-align: center;"><b>RECEIVED</b> NOV 22 2011 WA State Department of Ecology (SWRO)</p>
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The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

291209

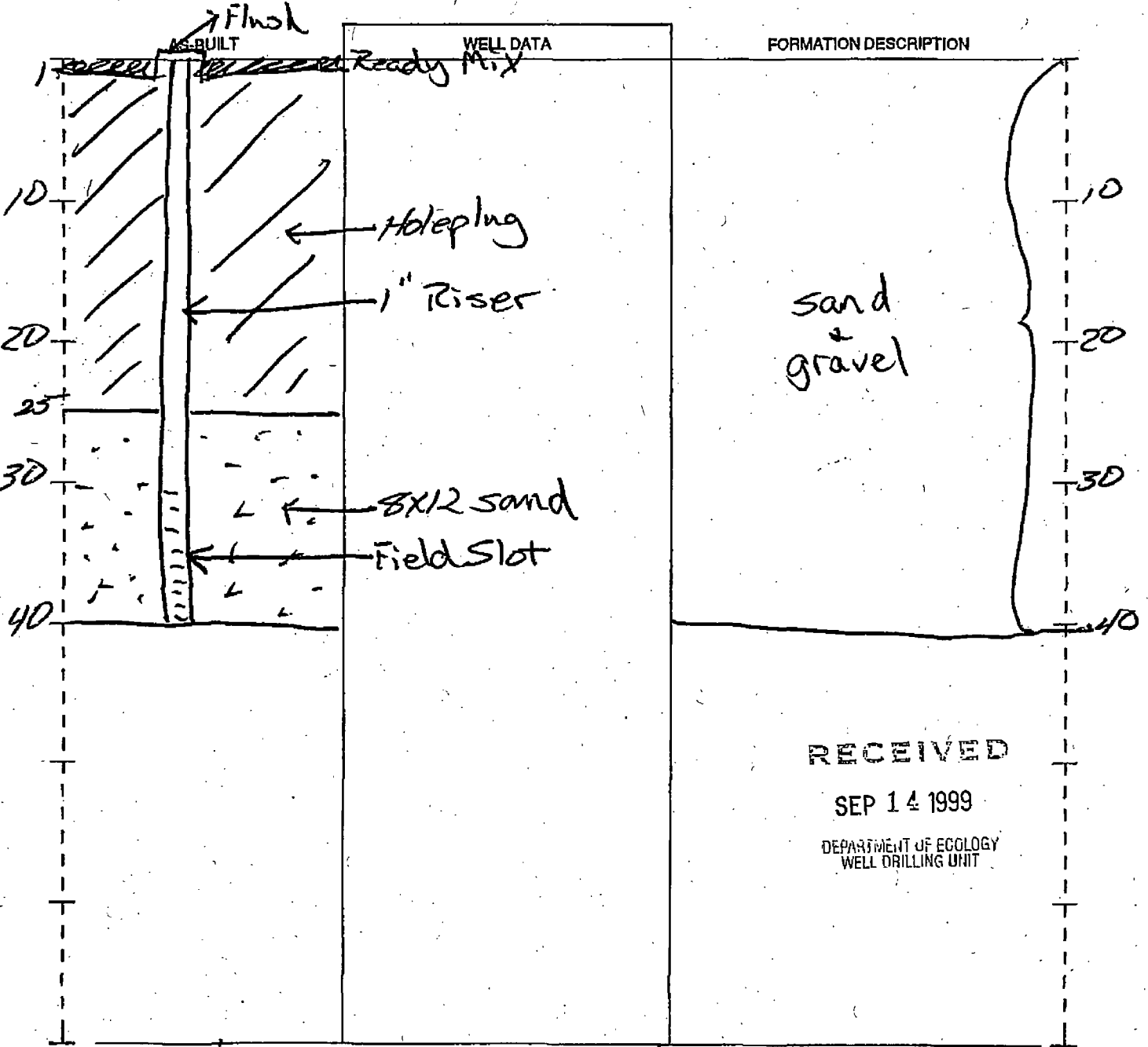
### RESOURCE PROTECTION WELL REPORT

START CARD NO. 7041086

PROJECT NAME: Gateway Stadium  
 WELL IDENTIFICATION NO.: P-7  
 DRILLING METHOD: Hand Rotary  
 DRILLER: Bradley Wiebecke  
 FIRM: Geo-Teck  
 SIGNATURE: Franklin Michaelis  
 CONSULTING FIRM: Chlor  
 REPRESENTATIVE: Ed Sniffen

COUNTY: Clark  
 LOCATION: SE 1/4 NW 1/4 Sec 27 Twn 2N R 1E  
 STREET ADDRESS OF WELL: 415 W. 6th St -  
(Esther St and W. 5th Street, Vancouver)  
 WATER LEVEL ELEVATION: \_\_\_\_\_  
 GROUND SURFACE ELEVATION: \_\_\_\_\_  
 INSTALLED: 3-18-99  
 DEVELOPED: \_\_\_\_\_

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.



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SEP 14 1999

DEPARTMENT OF ECOLOGY  
WELL DRILLING UNIT

SCALE: 1" = 10'

PAGE 1 OF 1

ECY 050-12 (Rev. 11/89)

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

3 piezo's const. the same

290947

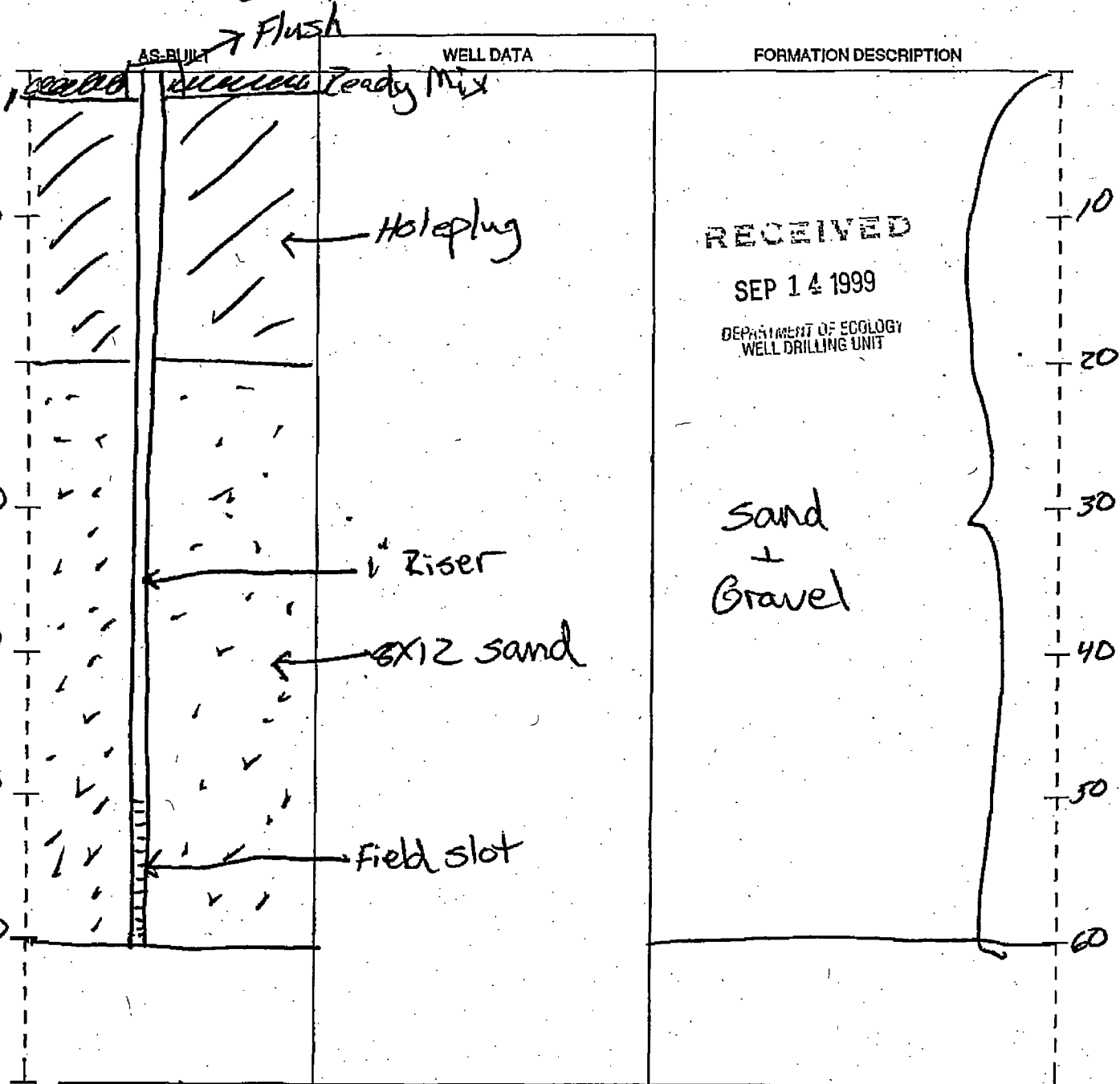
### RESOURCE PROTECTION WELL REPORT

START CARD NO. 204036

PROJECT NAME: Gateway Stadium  
 WELL IDENTIFICATION NO. 7-1,2+3  
 DRILLING METHOD: Mud Rotary  
 DRILLER: Bradley Wiebardinik  
 FIRM: Geo-Tech  
 SIGNATURE: Bradley Wiebardinik  
 CONSULTING FIRM: Golder  
 REPRESENTATIVE: Ed Sniffen

COUNTY: Clark  
 LOCATION: SE 1/4 NW 1/4 Sec 27 Twn 2N R 1E  
 STREET ADDRESS OF WELL: 415 W. 1st St -  
(Esther stand W. 5th Street, Vancouver)  
 WATER LEVEL ELEVATION: \_\_\_\_\_  
 GROUND SURFACE ELEVATION: \_\_\_\_\_  
 INSTALLED: 8-16 + 8-18  
 DEVELOPED: \_\_\_\_\_

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.



SCALE: 1" = 10'

PAGE 1 OF 1

ECY 050-12 (Rev. 11/89)

290948

3 piezo's const: the same

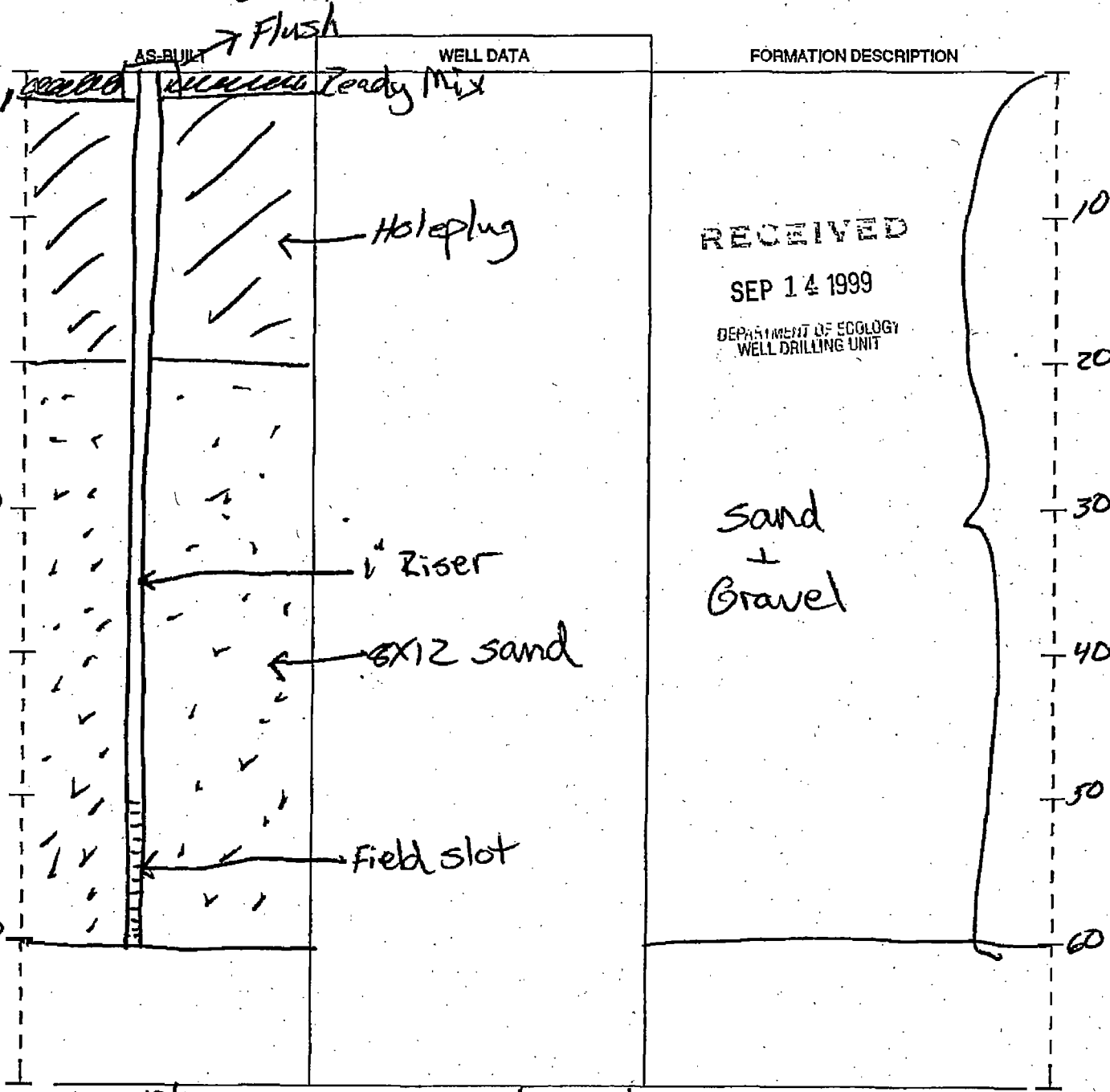
**RESOURCE PROTECTION WELL REPORT**

START CARD NO. 204036

PROJECT NAME: Gateway Stadium  
 WELL IDENTIFICATION NO. 7-1,2+3  
 DRILLING METHOD: Mud Rotary  
 DRILLER: Bradley Wieberdink  
 FIRM: Geo-Tech  
 SIGNATURE: Bradley Wieberdink  
 CONSULTING FIRM: Golder  
 REPRESENTATIVE: Ed Sniffen

COUNTY: Clark  
 LOCATION: SE 1/4 NW 1/4 Sec 27 Twn 2N R 1E  
 STREET ADDRESS OF WELL: 415 W. 1st St -  
(Esther stand W. 5th Street, Vancouver)  
 WATER LEVEL ELEVATION: \_\_\_\_\_  
 GROUND SURFACE ELEVATION: \_\_\_\_\_  
 INSTALLED: 8-16 + 8-18  
 DEVELOPED: -

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.



SCALE: 1" = 10'

PAGE 1 OF 1

ECY 050-12 (Rev. 11/89)



The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

290949

3 piezo's const: the same

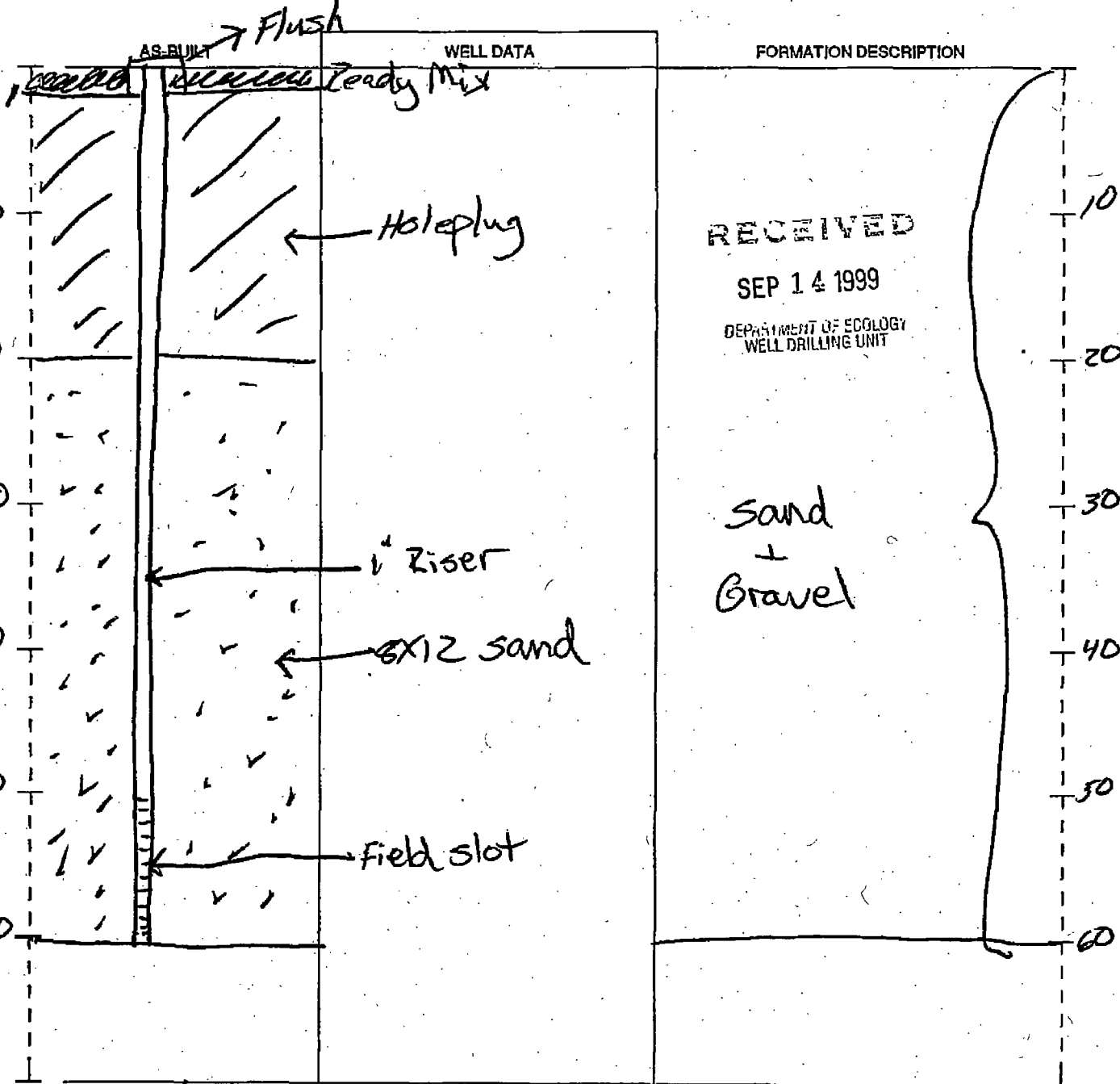
### RESOURCE PROTECTION WELL REPORT

START CARD NO. 2041086

PROJECT NAME: Gateway Stadium  
 WELL IDENTIFICATION NO. 7-1,2+3  
 DRILLING METHOD: Mud Rotary  
 DRILLER: Bradley Wiebordink  
 FIRM: Geo-Tech  
 SIGNATURE: Bradley Wiebordink  
 CONSULTING FIRM: Golder  
 REPRESENTATIVE: Ed Sniffen

COUNTY: Clark  
 LOCATION: SE 1/4 NW 1/4 Sec 27 Twn 2N R 1E  
 STREET ADDRESS OF WELL: 415 W. 1st St -  
(Esther stand W. 5th Street, Vancouver)  
 WATER LEVEL ELEVATION: \_\_\_\_\_  
 GROUND SURFACE ELEVATION: \_\_\_\_\_  
 INSTALLED: 8-16 + 8-18  
 DEVELOPED: \_\_\_\_\_

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.



SCALE: 1" = 10'

PAGE 1 OF 1

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

# RESOURCE PROTECTION WELL REPORT

START CARD NO. 501403

PROJECT NAME: Ester Short Condos  
 WELL IDENTIFICATION NO. B-1, Geotech Boring  
 DRILLING METHOD: Hollow Stem Auger  
 DRILLER: Curtis Ehlers  
 FIRM: Braun Intertec Corp.  
 SIGNATURE: Curtis Ehlers  
 CONSULTING FIRM: Braun Intertec  
 REPRESENTATIVE: Curtis Ehlers

COUNTY: Clark  
 LOCATION: SE 1/4 NW 1/4 Sec 27 Twn 2 R 1 E  
 STREET ADDRESS OF WELL: NW Corner of West 9th St and Columbia St., Vanc. WA  
 WATER LEVEL ELEVATION: NO Ground water  
 GROUND SURFACE ELEVATION: 53.5 ft  
 INSTALLED: 4-13-98  
 DEVELOPED: \_\_\_\_\_

AS-BUILT	WELL DATA	FORMATION DESCRIPTION
Boring Abandoned using granular Bentonite 5 10 15	3 1/4" ID Hollow Stem Auger Geotechnical Boring TD 16.5 ft	Fill - Brown silt w/ gravel Brown gray coarse gravel 5 10 15
		RECEIVED JUL 26 1999 DEPARTMENT OF ECOLOGY WELL REPORTING UNIT

SCALE: 1" = 5 ft

PAGE 1 OF 1

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

# RESOURCE PROTECTION WELL REPORT

START CARD NO. SO1403

PROJECT NAME: Ester Short Condos  
WELL IDENTIFICATION NO. B-2, Geotech Boring  
DRILLING METHOD: Hollow Stem Auger  
DRILLER: Curtis Ehlers  
FIRM: Braun Intertec Corp  
SIGNATURE: Curtis Ehlers  
CONSULTING FIRM: Braun Intertec  
REPRESENTATIVE: Curtis Ehlers

COUNTY: Clark  
LOCATION: SE 1/4 NW 1/4 Sec 27 Twn 2 R 1E  
STREET ADDRESS OF WELL: NW Corner of West 9th St and Columbia St, Vanc. WA  
WATER LEVEL ELEVATION: No Groundwater  
GROUND SURFACE ELEVATION: 57 ft  
INSTALLED: 4-13-98  
DEVELOPED: \_\_\_\_\_

AS-BUILT	WELL DATA	FORMATION DESCRIPTION
Boring Abandoned using granular Bentonite	3/4 ID Hollow Stem Auger Geotechnical Boring	Fill - Brown silt w/ gravel & concrete debris Brown gray coarse gravel
	TO 10.5 ft	RECEIVED JUL 26 1999 Department of Ecology WELL REPORTS SECTION

SCALE: 1" = 5'

PAGE 1 OF 1

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

# RESOURCE PROTECTION WELL REPORT

START CARD NO. 501403

PROJECT NAME: Ester Short Condo's  
 WELL IDENTIFICATION NO. B-3, Geotech Boring  
 DRILLING METHOD: Hollow Stem Auger  
 DRILLER: Curtis Ehlers  
 FIRM: Braun Intertec Corp  
 SIGNATURE: Curtis Ehlers  
 CONSULTING FIRM: Braun Intertec  
 REPRESENTATIVE: Curtis Ehlers

COUNTY: Clark  
 LOCATION: SE 1/4 NW 1/4 Sec 27 Twn 2 R 1 E  
 STREET ADDRESS OF WELL: NW Corner of West 9th St and Columbia St., Vancouver, WA  
 WATER LEVEL ELEVATION: No Groundwater  
 GROUND SURFACE ELEVATION: 55 ft  
 INSTALLED: 4-13-99  
 DEVELOPED: \_\_\_\_\_

AS-BUILT	WELL DATA	FORMATION DESCRIPTION
Boring Abandoned using Granular Bentonite 5 10 15 20	3/4" ID Hollow Stem Auger Geotechnical Boring TD 21.5 ft	Fill - Brown SILTY gravel Brown gray Coarse gravel 5 10 15 20
<p>RECEIVED</p> <p>JUL 26 1999</p> <p>DEPARTMENT OF ECOLOGY            WELL IDENTIFICATION</p>		

SCALE: 1" = 5 ft

PAGE 1 OF 1

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

## RESOURCE PROTECTION WELL REPORT

START CARD NO. 501403

PROJECT NAME: Esther Short Condos  
 WELL IDENTIFICATION NO. B-4 Geotech Boring  
 DRILLING METHOD: Hollow stem Auger  
 DRILLER: Curtis Ehlers  
 FIRM: Braun Intertec Corp  
 SIGNATURE: Curtis Ehlers  
 CONSULTING FIRM: Braun Intertec  
 REPRESENTATIVE: Curtis Ehlers

COUNTY: Clark  
 LOCATION: SE 1/4 NW 1/4 Sec 27 Twn 2 R 1 E  
 STREET ADDRESS OF WELL: NW Corner of West 9th st and Columbia st, Vancouver, WA  
 WATER LEVEL ELEVATION: NO Groundwater  
 GROUND SURFACE ELEVATION: 56 ft  
 INSTALLED: 4-13-98  
 DEVELOPED: \_\_\_\_\_

AS-BUILT	WELL DATA	FORMATION DESCRIPTION
Boring Abandoned using Granular Bentonite	3 1/4" ID Hollow stem Auger Geotechnical Boring	Fill - Brown silt, sand and gravel
5'		Brown Gray Coarse gravel
10'		10'
15'	TD 16.5 ft	15'

**RECEIVED**

JUL 26 1999

DEPARTMENT OF ECOLOGY  
 WELL FILE # 1901319

SCALE: 1" = 5 ft

PAGE 1 OF 1

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

# RESOURCE PROTECTION WELL REPORT

START CARD NO. SO1403

PROJECT NAME: Esther Short Condo  
 WELL IDENTIFICATION NO.: B-5, Geotech Boring  
 DRILLING METHOD: Hollow Stem Auger  
 DRILLER: Curtis Ehlers  
 FIRM: Braun Intertec Corp.  
 SIGNATURE: Curtis Ehlers  
 CONSULTING FIRM: Braun Intertec  
 REPRESENTATIVE: Curtis Ehlers

COUNTY: Clark  
 LOCATION: SE 1/4 NW 1/4 Sec 27 Twn 2 R 1 E  
 STREET ADDRESS OF WELL: NW Corner of West 9th St and Columbia St., Vancouver, WA  
 WATER LEVEL ELEVATION: No Groundwater  
 GROUND SURFACE ELEVATION: 53 ft  
 INSTALLED: 4-13-98  
 DEVELOPED: \_\_\_\_\_

AS-BUILT	WELL DATA	FORMATION DESCRIPTION
Boring Abandoned using granular Bentonite 5 10	3 1/4" Hollow Stem Auger Geotechnical Boring	Fill - Brown silt w/ gravel 5 Brown gray coarse gravel 10
	TD 11.5 ft	RECEIVED JUL 26 1999 DEPARTMENT OF ECOLOGY WELL DRILLING UNIT

SCALE: 1" = 5 ft

PAGE 1 OF 1

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

## RESOURCE PROTECTION WELL REPORT

START CARD NO. 501403

PROJECT NAME: Esther Short Condo's  
 WELL IDENTIFICATION NO. B-6, Geotech Boring  
 DRILLING METHOD: Hollow Stem Auger  
 DRILLER: Curtis Ehlers  
 FIRM: Braun Interace Corp.  
 SIGNATURE: Curtis Ehlers  
 CONSULTING FIRM: Braun Interace  
 REPRESENTATIVE: Curtis Ehlers

COUNTY: Clark  
 LOCATION: SE 1/4 NW 1/4 Sec 27 Twn 2 R 1 E  
 STREET ADDRESS OF WELL: NW Corner of West 9th St and Columbia St, Vancouver WA  
 WATER LEVEL ELEVATION: No Groundwater  
 GROUND SURFACE ELEVATION: 53 ft  
 INSTALLED: 4-13-98  
 DEVELOPED: \_\_\_\_\_

AS-BUILT	WELL DATA	FORMATION DESCRIPTION
Boring Abandoned using granular Bentonite 5 10 15 20	3 1/4" ID Hollow Stem Auger Geotechnical Boring	Fill - Brown silt w/ organics, gravel, debris
		Brown Sandy Silt
		Brown Gray coarse Gravel
		Brown Sandy Silt
		Gray coarse Gravel
	TD 21.5 ft	RECEIVED JUL 28 1000

SCALE: 1" = 5 ft

PAGE 1 OF 1

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

# RESOURCE PROTECTION WELL REPORT

START CARD NO. 501403

PROJECT NAME: Esther Short Condo's  
 WELL IDENTIFICATION NO. B-7 Geotech Boring  
 DRILLING METHOD: Hollow Stem Auger  
 DRILLER: Curtis Ehlers  
 FIRM: Braun Intertec Corp  
 SIGNATURE: Curtis Ehlers  
 CONSULTING FIRM: Braun Intertec  
 REPRESENTATIVE: Curtis Ehlers

COUNTY: Clark  
 LOCATION: SE 1/4 NW 1/4 Sec 27 Twn 2 R 1 E  
 STREET ADDRESS OF WELL: NW Corner of West 9th St and Columbia St., Vancouver, WA  
 WATER LEVEL ELEVATION: No Groundwater  
 GROUND SURFACE ELEVATION: 53.5 ft  
 INSTALLED: 4-14-98  
 DEVELOPED: \_\_\_\_\_

AS-BUILT	WELL DATA	FORMATION DESCRIPTION
Boring Abandoned using granular Bentonite	3 1/4 ID Hollow Stem Auger	Fill - Crushed rock, silt, Sand and gravel  Brown gray Coarse gravel
	TD 11.5 ft	<div data-bbox="1104 1638 1412 1764" data-label="Text"> <p>RECEIVED JUL 26 1999</p> </div>

SCALE: 1" = 5 ft

PAGE 1 OF 1



The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

## RESOURCE PROTECTION WELL REPORT

START CARD NO. S01403

PROJECT NAME: Esther Short Condo's  
 WELL IDENTIFICATION NO. B-8, Geotech Boring  
 DRILLING METHOD: Hollow stem Auger  
 DRILLER: Curtis Ehlers  
 FIRM: Braun Intertec Corp  
 SIGNATURE: Curtis Ehlers  
 CONSULTING FIRM: Braun Intertec  
 REPRESENTATIVE: Curtis Ehlers

COUNTY: Clark  
 LOCATION: SE 1/4 NW 1/4 Sec 27 Twn 2 R 1 E  
 STREET ADDRESS OF WELL: NW Corner of West 9th St and Columbia St, Vancouver, WA  
 WATER LEVEL ELEVATION: NO Groundwater  
 GROUND SURFACE ELEVATION: 53 ft  
 INSTALLED: 4-14-98  
 DEVELOPED: \_\_\_\_\_

AS-BUILT	WELL DATA	FORMATION DESCRIPTION
<p>Boring Abandoned using granular Bentonite</p>	<p>3 1/4" ID Hollow stem Auger Geotechnical Boring</p>	<p>Fill - Brown silt w/ organics</p>
5		5
10		10
	TD 11.5 ft	
		<p><b>RECEIVED</b>  <b>JUL 26 1999</b></p>

SCALE: 1" = 5 ft

PAGE 1 OF 1

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

# RESOURCE PROTECTION WELL REPORT

START CARD NO. SO1403

PROJECT NAME: Esther short Condos  
 WELL IDENTIFICATION NO. B-9, Geotech Boring  
 DRILLING METHOD: Hollow stem Auger  
 DRILLER: Curtis Ehlers  
 FIRM: Braun Intertec Corp  
 SIGNATURE: Curtis Ehlers  
 CONSULTING FIRM: Braun Intertec  
 REPRESENTATIVE: Curtis Ehlers

COUNTY: Clark  
 LOCATION: SE 1/4 NW 1/4 Sec 27 Twn 2 R 1 E  
 STREET ADDRESS OF WELL: NW Corner of West 9th St and Columbia St, Vancouver WA  
 WATER LEVEL ELEVATION: No Groundwater  
 GROUND SURFACE ELEVATION: 56 ft  
 INSTALLED: 4-16-98  
 DEVELOPED: \_\_\_\_\_

AS-BUILT	WELL DATA	FORMATION DESCRIPTION
Boring Abandoned using granular Bentonite 5 10	3 1/4 ID Hollow Stem Auger Geotechnical Boring	Fill - Crushed rock, silt and gravel Gray coarse Gravel 5 10
	TD 11.5 ft	RECEIVED JUL 26 1999 DEPARTMENT OF ECOLOGY WELLS DIVISION

SCALE: 1" = 5 ft

PAGE 1 OF 1

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

Job Number: XL-3604-H  
Boring: CRC-TR39-12

Please print, sign and return to the Department of Ecology

# RESOURCE PROTECTION WELL REPORT

CURRENT Notice of Intent No. SE-46816/AE-19854

(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

475194

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

Property Owner WSDOT

Consulting Firm WSDOT

Site Address Vic of W 11th and Washington

Unique Ecology Well IDTag No. \_\_\_\_\_

City \_\_\_\_\_ County Clark

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.

Location SE 1/4-1/4 NW 1/4 Sec 27 Twn 2 N R 1

EWM  or WWM

Driller  Engineer  Trainee  
Name (Print Last, First Name) Nelson, Brad

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

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

Driller/Engineer /Trainee Signature [Signature]

Tax Parcel No. \_\_\_\_\_

Driller or Trainee License No. 2969

Cased or Uncased Diameter 4" Static Level 25.7'

Work/Decommission Start Date 12/11/2012

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

Work/Decommission Completed Date 12/11/2012

Construction Design	Well Data	Formation Description
		0 - 0.5 ft Pavement
		0.5 - 19 ft Gravel with sand and silt
		19 - 31 ft Sand with gravel

RECEIVED

JAN 16 2013

WA State Department of Ecology (SWRO)

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

Job Number: XL-3604-H  
Boring: CRC-TR-38-12

Please print, sign and return to the Department of Ecology

# RESOURCE PROTECTION WELL REPORT

CURRENT Notice of Intent No. SE-46816/AE-19854

(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

475194

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

Property Owner WSDOT

Consulting Firm WSDOT

Site Address Vic of 11th and Washington

Unique Ecology Well IDTag No. \_\_\_\_\_

City \_\_\_\_\_ County Clark

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.

Location SE 1/4-1/4 NW 1/4 Sec 27 Twn 2 N R 1

EWM  or WWM

Driller  Engineer  Trainee  
Name (Print Last, First Name) Nelson, Brad

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

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

Driller/Engineer /Trainee Signature [Signature]

Tax Parcel No. \_\_\_\_\_

Driller or Trainee License No. 2469

Cased or Uncased Diameter 4" Static Level dry hole

Work/Decommission Start Date 12/13/2012

Work/Decommission Completed Date 12/13/2012

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

Construction Design	Well Data	Formation Description
		0 - 0.7 ft Pavement
		0.7 - 29 ft Gravel with sand and silt
		29 - 31 ft Sand with gravel

RECEIVED

JAN 16 2013

WA State Department of Ecology (SWRO)

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

Job Number: XL-3604-H  
Boring: CRC-TR39-12

Please print, sign and return to the Department of Ecology

### RESOURCE PROTECTION WELL REPORT

CURRENT Notice of Intent No. SE-46816/AE-19854

(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

475192

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

Property Owner WSDOT

Consulting Firm WSDOT

Site Address Vic of W 11th and Washington

Unique Ecology Well IDTag No. \_\_\_\_\_

City \_\_\_\_\_ County Clark

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.

Location SE 1/4-1/4 NW 1/4 Sec 27 Twn 2N R 1

EWM  or WWM

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

Driller  Engineer  Trainee  
 Name (Print Last, First Name) Nelson, Brad  
 Driller/Engineer /Trainee Signature *Brad Nelson*  
 Driller or Trainee License No. 2969

Tax Parcel No. \_\_\_\_\_

Cased or Uncased Diameter 4" Static Level 25.7'

Work/Decommission Start Date 12/11/2012

Work/Decommission Completed Date 12/11/2012

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

Construction Design	Well Data	Formation Description
<p>Boring was backfilled with bentonite hole plug to surface.</p>		<p>0 - 0.5 ft      Pavement            0.5 - 19 ft      Gravel with sand and silt            19 - 31 ft      Sand with gravel</p> <p style="text-align: center; font-size: 24pt; font-weight: bold;">RECEIVED</p> <p style="text-align: center; font-size: 18pt;">JAN 16 2013</p> <p style="text-align: center; font-weight: bold;">WA State Department of Ecology (SWRO)</p>

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

Job Number: XL-3604-H  
Boring: CRC-TR-38-12

Please print, sign and return to the Department of Ecology

### RESOURCE PROTECTION WELL REPORT

CURRENT Notice of Intent No. SE-46816/AE-19854

(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

475193

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

Property Owner WSDOT

Consulting Firm WSDOT

Site Address Vic of 11th and Washington

Unique Ecology Well IDTag No. \_\_\_\_\_

City \_\_\_\_\_ County Clark

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.

Location SE 1/4-1/4 NW 1/4 Sec 27 Twn 2 N R 1

EWM  or WWM

Driller  Engineer  Trainee  
Name (Print Last, First Name) Nelson, Brad

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

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

Driller/Engineer /Trainee Signature *Brad Nelson*

Tax Parcel No. \_\_\_\_\_

Driller or Trainee License No. 2969

Cased or Uncased Diameter 4" Static Level dry hole

Work/Decommission Start Date 12/13/2012

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

Work/Decommission Completed Date 12/13/2012

Construction Design	Well Data	Formation Description
<p>Boring was backfilled with bentonite hole plug to surface.</p>		<p>0 - 0.7 ft Pavement 0.7 - 29 ft Gravel with sand and silt 29 - 31 ft Sand with gravel</p> <p style="text-align: center; font-size: 2em; font-weight: bold;">RECEIVED</p> <p style="text-align: center;">JAN 16 2013</p> <p style="text-align: center;">WA State Department of Ecology (SWRO)</p>

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

Job Number: XL-3604-H  
Boring: CRC-TR-37-12

Please print, sign and return to the Department of Ecology

# RESOURCE PROTECTION WELL REPORT

CURRENT Notice of Intent No. SE-46816/AE-19854

(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

475196

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

Property Owner WSDOT

Consulting Firm WSDOT

Site Address Vic of 11th and Washington

Unique Ecology Well ID Tag No. \_\_\_\_\_

City \_\_\_\_\_ County Clark

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.

Location SE 1/4-1/4 NW 1/4 Sec 27 Twn 2N R 1

EWM  or WWM

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

Driller  Engineer  Trainee  
Name (Print Last, First Name) Nelson, Brad

Tax Parcel No. \_\_\_\_\_

Driller/Engineer /Trainee Signature [Signature]

Cased or Uncased Diameter 4" Static Level \_\_\_\_\_

Driller or Trainee License No. 2969

Work/Decommission Start Date 12/13/2012

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

Work/Decommission Completed Date 12/13/2012

Construction Design	Well Data	Formation Description
<p>Boring was backfilled with bentonite hole plug to surface.</p>		0 - 0.3 ft Pavement
		0.3 - 19 ft Gravel with sand and silt
		19 - 29 ft Sand with gravel
		29 - 31 ft Gravel with sand and silt

**RECEIVED**

JAN 16 2013

WA State Department of Ecology (SWRO)

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

Job Number: XL-3604-H  
Boring: CRC-TR-35-12

Please print, sign and return to the Department of Ecology

**RESOURCE PROTECTION WELL REPORT**

**CURRENT Notice of Intent No.** SE-46816 / AE-19854

(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

475197

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

Property Owner WSDOT

Consulting Firm WSDOT

Site Address Vicinity of W 11th & Washington

Unique Ecology Well IDTag No. \_\_\_\_\_

City \_\_\_\_\_ County Clark

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.

Location SE 1/4-1/4 NW 1/4 Sec 27 Twn 2 N R 1

EWM  or WWM

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

- Driller  Engineer  Trainee

Name (Print Last, First Name) Nelson, Brad

Driller/Engineer /Trainee Signature *Brad Nelson*

Driller or Trainee License No. 2969

Tax Parcel No. \_\_\_\_\_

Cased or Uncased Diameter 4" Static Level \_\_\_\_\_

Work/Decommission Start Date 12/19/2012

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

Work/Decommission Completed Date 12/19/2012

Construction Design	Well Data	Formation Description
<p>Boring was backfilled with bentonite hole plug to surface.</p>		0 - 0.3 ft Pavement
		0.3 - 4 ft Silt
		4 - 24 ft Gravel with sand and silt
		24 - 26 ft Sand with gravel
		26 - 31 ft Gravel with sand and silt

**RECEIVED**

JAN 16 2013

WA State Department of Ecology (SWRO)



The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

Job Number: XL-3604-H  
Boring: CRC-TR-35-12

Please print, sign and return to the Department of Ecology

**RESOURCE PROTECTION WELL REPORT**

**CURRENT Notice of Intent No.** SE-46816 / AE-19854

(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

475198

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

Property Owner WSDOT

Consulting Firm WSDOT

Site Address Vicinity of W 11th & Washington

Unique Ecology Well IDTag No. \_\_\_\_\_

City \_\_\_\_\_ County Clark

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.

Location SE 1/4-1/4 NW 1/4 Sec 27 Twn 2 N R 1

EWM  or WWM

Driller  Engineer  Trainee  
 Name (Print Last, First Name) Nelson, Brad  
 Driller/Engineer/Trainee Signature *Brad Nelson*  
 Driller or Trainee License No. 2969

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

Tax Parcel No. \_\_\_\_\_

Cased or Uncased Diameter 4" Static Level \_\_\_\_\_

Work/Decommission Start Date 12/19/2012

Work/Decommission Completed Date 12/19/2012

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

Construction Design	Well Data	Formation Description
		0 - 0.3 ft Pavement
		0.3 - 4 ft Silt
		4 - 24 ft Gravel with sand and silt
		24 - 26 ft Sand with gravel
		26 - 31 ft Gravel with sand and silt

**RECEIVED**

JAN 16 2013

WA State Department of Ecology (SWRO)

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

Job Number: XL-3604-H  
Boring: CRC-TR-36-12

Please print, sign and return to the Department of Ecology

### RESOURCE PROTECTION WELL REPORT

CURRENT Notice of Intent No. SE-46816 / AE-19854

(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

475206

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

Property Owner WSDOT

Consulting Firm WSDOT

Site Address Vicinity of W 11th & Washington

Unique Ecology Well IDTag No. \_\_\_\_\_

City \_\_\_\_\_ County Clark

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.

Location SE 1/4-1/4 NW 1/4 Sec 27 Twn 2 N R 1

EWM  or WWM

Driller  Engineer  Trainee  
 Name (Print Last, First Name) Nelson, Brad  
 Driller/Engineer /Trainee Signature [Signature]  
 Driller or Trainee License No. 2969

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

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

Tax Parcel No. \_\_\_\_\_

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

Cased or Uncased Diameter 4" Static Level \_\_\_\_\_

Work/Decommission Start Date 12/19/2012

Work/Decommission Completed Date 12/19/2012

Construction Design	Well Data	Formation Description
		0 - 1 ft Pavement
		1 - 31 ft Gravel with sand and silt

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JAN 16 2013

WA State Department of Ecology (SWRO)

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

Job Number: XL-3604-H  
Boring: CRC-TR-36-12

Please print, sign and return to the Department of Ecology

### RESOURCE PROTECTION WELL REPORT

CURRENT Notice of Intent No. SE-46816 / AE-19854

(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

475207

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

Property Owner WSDOT

Consulting Firm WSDOT

Site Address Vicinity of W 11th & Washington

Unique Ecology Well IDTag No. \_\_\_\_\_

City \_\_\_\_\_ County Clark

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.

Location SE 1/4-1/4 NW 1/4 Sec 27 Twn 2 N R 1

EWM  or WWM

Driller  Engineer  Trainee  
Name (Print Last, First Name) Nelson, Brad

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

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

Driller/Engineer /Trainee Signature [Signature]

Tax Parcel No. \_\_\_\_\_

Driller or Trainee License No. 2969

Cased or Uncased Diameter 4" Static Level \_\_\_\_\_

Work/Decommission Start Date 12/19/2012

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

Work/Decommission Completed Date 12/19/2012

Construction Design	Well Data	Formation Description
<p>Boring was backfilled with bentonite hole plug to surface.</p>		<p>0 - 1 ft      Pavement 1 - 31 ft      Gravel with sand and silt</p> <p style="text-align: center; font-weight: bold; font-size: 1.2em;">RECEIVED</p> <p style="text-align: center;">JAN 16 2013</p> <p style="text-align: center;">WA State Department of Ecology (SWRO)</p>

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

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

Job Number: XL-3604-H  
Boring: CRC-TR-37-12

Please print, sign and return to the Department of Ecology

# RESOURCE PROTECTION WELL REPORT

CURRENT Notice of Intent No. SE-46816/AE-19854

(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

475208

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

Property Owner WSDOT

Site Address Vic of 11th and Washington

Consulting Firm WSDOT

City \_\_\_\_\_ County Clark

Unique Ecology Well ID Tag No. \_\_\_\_\_

Location SE 1/4-1/4 NW 1/4 Sec 27 Twn 2 N R 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.

EWM  or WWM

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

Driller  Engineer  Trainee  
Name (Print Last, First Name) Nelson, Brad

Tax Parcel No. \_\_\_\_\_

Driller/Engineer /Trainee Signature [Signature]

Cased or Uncased Diameter 4" Static Level \_\_\_\_\_

Driller or Trainee License No. 2969

Work/Decommission Start Date 12/13/2012

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

Work/Decommission Completed Date 12/13/2012

Construction Design	Well Data	Formation Description
		0 - 0.3 ft Pavement
		0.3 - 19 ft Gravel with sand and silt
		19 - 29 ft Sand with gravel
		29 - 31 ft Gravel with sand and silt

RECEIVED

JAN 16 2013

WA State Department of Ecology (SWRO)

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

Please print, sign and return to the Department of Ecology

# RESOURCE PROTECTION WELL REPORT

CURRENT Notice of Intent No. AE06993

(SUBMIT ONE WELL REPORT PER WELL INSTALLED)

Construction/Decommission ("x" in box)

Construction

Decommission

351071

Type of Well ("x in box)

Resource Protection

Geotech Soil Boring

ORIGINAL INSTALLATION Notice of Intent Number:

SE05378

Property Owner Vancouver Housing Authority

Site Address 410 W. 13<sup>th</sup> Street

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

City Vancouver

County Clark

Unique Ecology Well IDTag No. N/A

Location SE1/4-1/4 NW1/4 Sec 27 Twn 2 R 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.

EWM  or WWM

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

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

Driller  Engineer  Trainee

Name (Print Last, First Name) Jackman, Jeff

Driller/Engineer /Trainee Signature [Signature]

Driller or Trainee License No. 3010

Tax Parcel No. 52040-000

Cased or Uncased Diameter 1.25" Static Level N/A

Work/Decommission Start Date 9/9/09

Work/Decommission Completed Date 9/9/09

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

### Construction Design

### Well Data

### Formation Description

Filled to within 2" of surface with bentonite chips. Hydrated chips.

Replaced topsoil over boring.

ID=Boring #1

TD=7'

RECEIVED

SEP 18 2009

Washington State  
Department of Ecology

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

Please print, sign and return to the Department of Ecology

# RESOURCE PROTECTION WELL REPORT

CURRENT Notice of Intent No. AE06993

(SUBMIT ONE WELL REPORT PER WELL INSTALLED)

Construction/Decommission ("x" in box)

Construction

Decommission

351070

ORIGINAL INSTALLATION Notice of Intent Number:

SE05378

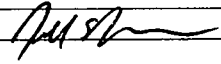
Consulting Firm \_\_\_\_\_

Unique Ecology Well IDTag No. N/A

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) Jackman, Jeff

Driller/Engineer /Trainee Signature 

Driller or Trainee License No. 3010

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

Type of Well ("x" in box)

Resource Protection

Geotech Soil Boring

Property Owner Vancouver Housing Authority

Site Address 410 W. 13<sup>th</sup> Street

City Vancouver

County Clark

Location SE1/4-1/4 NW1/4 Sec 27 Twn 2 R 1

EWM  or WWM

Lat/Long (s, t, r)

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

still REQUIRED)

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

Tax Parcel No. 52040-000

Cased or Uncased Diameter 1.25"

Static Level N/A

Work/Decommission Start Date 9/9/09

Work/Decommission Completed Date 9/9/09

### Construction Design

### Well Data

### Formation Description

Filled to within 2" of surface with bentonite chips. Hydrated chips.

Patched surface with concrete

ID=Boring #2

TD=8'

RECEIVED

SEP 18 2009

Washington State  
Department of Ecology

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

Please print, sign and return to the Department of Ecology

# RESOURCE PROTECTION WELL REPORT

CURRENT Notice of Intent No. SE05378

(SUBMIT ONE WELL REPORT PER WELL INSTALLED)

Construction/Decommission ("x" in box)

- Construction
- Decommission

351007

Type of Well ("x" in box)

- Resource Protection
- Geotech Soil Boring

ORIGINAL INSTALLATION Notice of Intent Number: SE05378

Property Owner Vancouver Housing Authority

Site Address 410 W. 13<sup>th</sup> Street

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

City Vancouver County Clark

Unique Ecology Well IDTag No. N/A

Location SE1/4-1/4 NW1/4 Sec 27 Twn 2 R 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.

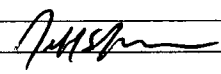
EWM  or WWM

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

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

Driller  Engineer  Trainee

Name (Print Last, First Name) Jackman, Jeff

Driller/Engineer /Trainee Signature 

Driller or Trainee License No. 3010

Tax Parcel No. 52040-000

Cased or Uncased Diameter 1.25" Static Level N/A

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

Work/Decommission Start Date 9/9/09

Work/Decommission Completed Date 9/9/09

### Construction Design

### Well Data

### Formation Description

Temporary uncased hole for soil sample collection at UST location.

1.25" Geoprobe tooling - hand driven

ID=Boring #2

TD=8'

Surface=concrete to 4"

Base rock to 8"

sandy fill 6'

brown silt loam 6' to 8'

# RECEIVED

SEP 18 2009

Washington State  
Department of Ecology

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

Please print, sign and return to the Department of Ecology

# RESOURCE PROTECTION WELL REPORT

CURRENT Notice of Intent No. SE05378

(SUBMIT ONE WELL REPORT PER WELL INSTALLED)

Construction/Decommission ("x" in box)

- Construction
- Decommission

351006

Type of Well ("x" in box)

- Resource Protection
- Geotech Soil Boring

ORIGINAL INSTALLATION Notice of Intent Number:

SE05378

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

Unique Ecology Well IDTag No. N/A

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) Jackman, Jeff

Driller/Engineer /Trainee Signature *Jeff Jackman*

Driller or Trainee License No. 3010

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

Property Owner Vancouver Housing Authority

Site Address 410 W. 13<sup>th</sup> Street

City Vancouver County Clark

Location SE1/4-1/4 NW1/4 Sec 27 Twn 2 R 1

EWM  or WWM

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

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

Tax Parcel No. 52040-000

Cased or Uncased Diameter 1.25" Static Level N/A

Work/Decommission Start Date 9/9/09

Work/Decommission Completed Date 9/9/09

### Construction Design

### Well Data

### Formation Description

Temporary uncased hole for soil sample collection at UST location.

1.25" Geoprobe tooling - hand driven

ID=Boring #1

TD=7'

Surface=topsoil (landscaping area) to 2'

sandy fill 2' to 6'

brown silt loam 6' to 7'

# RECEIVED

SEP 18 2009

Washington State  
Department of Ecology



The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

Please print, sign and return to the Department of Ecology

# RESOURCE PROTECTION WELL REPORT

CURRENT Notice of Intent No. AE14410

RECEIVED  
SEP 14 2011  
Water Resources Program  
Department of Ecology

(SUBMIT ONE WELL REPORT PER WELL INSTALLED)

Construction/Decommission ("x" in box)

- Construction
- Decommission

424650

ORIGINAL INSTALLATION Notice of Intent Number:

SE43467

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

Unique Ecology Well ID Tag No. \_\_\_\_\_

Type of Well ("x" in box)

- Resource Protection
- Geotech Soil Boring

Property Owner Clark County GS

Site Address 812 W 11th

City Vancouver

County Clark

Location NW1/4-1/4 SW1/4 Sec 27 Twn 2N R 1

EWM  or WWM

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

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

Tax Parcel No. \_\_\_\_\_

Cased or Uncased Diameter 8" Static Level None

Work/Decommission Start Date 08/26/2011

Work/Decommission Completed Date 08/26/2011

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) Pablo, Adonis

Driller/Engineer /Trainee Signature Adonis Pablo

Driller or Trainee License No. 3056

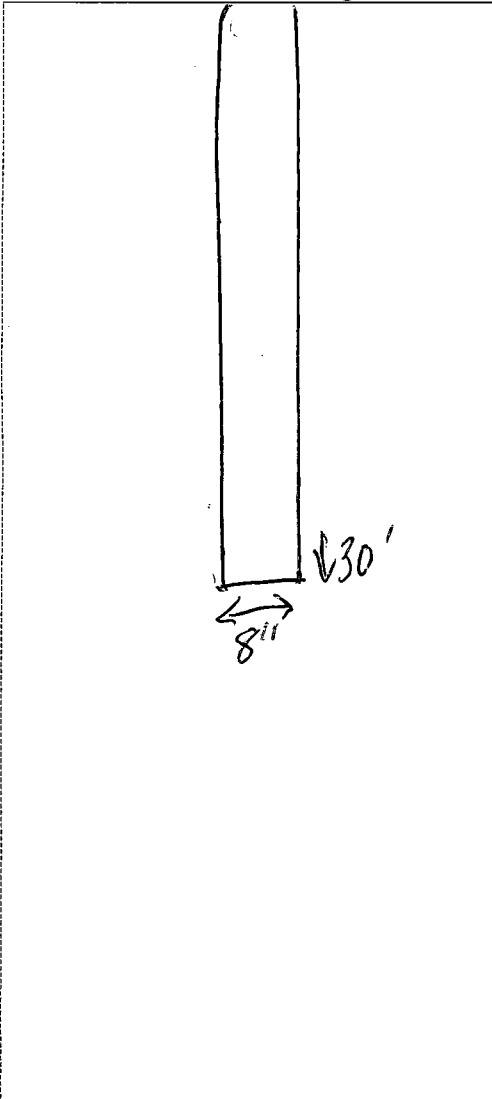
If trainee, licensed driller's Signature and License Number:

Andy Angell 2859

### Construction Design

### Well Data

### Formation Description



Decommissioned (1) 30' Hollow Stem Auger boring using (12) Sacks of Bentonite Chips 30-3' & Gravel 3-0'.

Gravels, Cobbles, and some Sandy Silt 0-24'  
Pea Gravels and Some Silty Sand 24-30'

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

Please print, sign and return to the Department of Ecology

# RESOURCE PROTECTION WELL REPORT

CURRENT Notice of Intent No. AE14410

(SUBMIT ONE WELL REPORT PER WELL INSTALLED)

Construction/Decommission ("x" in box)

- Construction
- Decommission

*424649*

ORIGINAL INSTALLATION Notice of Intent Number:

SE43467

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

Unique Ecology Well IDTag No. \_\_\_\_\_

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) Pablo, Adonis

Driller/Engineer /Trainee Signature *Adonis Pablo*

Driller or Trainee License No. 3056

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

*And Aguilar 2854*

Type of Well ("x" in box)

- Resource Protection
- Geotech Soil Boring

RECEIVED  
SEP 14 2011  
Water Resources Program  
Department of Ecology

Property Owner Clark County GS

Site Address 812 W 11th

City Vancouver County Clark

Location NW1/4-1/4 SW1/4 Sec 27 Twn 2N R 1

EWM  or WWM

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

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

Tax Parcel No. \_\_\_\_\_

Cased or Uncased Diameter 8" Static Level None

Work/Decommission Start Date 08/25/2011

Work/Decommission Completed Date 08/25/2011

### Construction Design

### Well Data

### Formation Description

<p style="text-align: center;"><i>8"</i></p> <p style="text-align: right;"><i>40'</i></p>	<p>Decommissioned (1) 40' Hollow Stem Auger boring using (18) Sacks of Bentonite Chips 40-3' &amp; Gravel 3-0'.</p>	<p>Gravels, Cobbles, and some Sandy Silt 0-27'</p> <p>Pea Gravels and Some Silty Sand 37-35'</p> <p>Fine Sandy Silt 35-40'</p>
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The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

Please print, sign and return to the Department of Ecology

# RESOURCE PROTECTION WELL REPORT

CURRENT Notice of Intent No. SE43467

(SUBMIT ONE WELL REPORT PER WELL INSTALLED)

Construction/Decommission ("x" in box)

- Construction
- Decommission

424648

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

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

Unique Ecology Well ID Tag No. \_\_\_\_\_

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) Pablo, Adonis

Driller/Engineer /Trainee Signature Adonis Pablo

Driller or Trainee License No. 3056

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

Jord Atgall 2834

Type of Well ("x" in box)

- Resource Protection
- Geotech Soil Boring

Property Owner Clark County GS

Site Address 812 W 11th

City Vancouver

Location NW1/4-1/4 SW1/4 Sec 27 Twn 2N R 1

EWM  or WWM

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

still REQUIRED)

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

Tax Parcel No. \_\_\_\_\_

Cased or Uncased Diameter 8" Static Level None

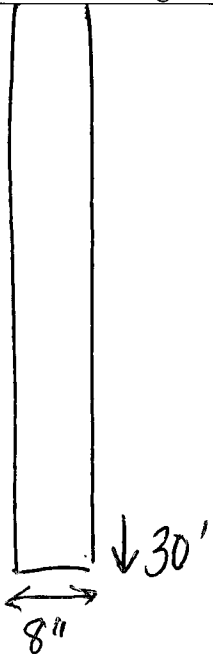
Work/Decommission Start Date 08/26/2011

Work/Decommission Completed Date 08/26/2011

RECEIVED  
SEP 14 2011

Water Resources Program  
Department of Ecology  
Clark County

### Construction Design



### Well Data

Drilled (1) 30' Hollow Stem Auger Boring for geotechnical purposes.

### Formation Description

Gravels, Cobbles, and some Sandy Silt 0-24'  
Pea Gravels and Some Silty Sand 24-30'

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

Please print, sign and return to the Department of Ecology

# RESOURCE PROTECTION WELL REPORT

CURRENT Notice of Intent No. SE43467

(SUBMIT ONE WELL REPORT PER WELL INSTALLED)

Construction/Decommission ("x" in box)

- Construction
- Decommission

*424647*

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

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

Unique Ecology Well IDTag No. \_\_\_\_\_

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) Pablo, Adonis

Driller/Engineer /Trainee Signature *Adonis Pablo*

Driller or Trainee License No. 3056

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

*Jord Aguall 2854*

Type of Well ("x" in box)

- Resource Protection
- Geotech Soil Boring

Property Owner Clark County GS

Site Address 812 W 11th

City Vancouver County Clark

Location NW1/4-1/4 SW1/4 Sec 27 Twn 2N R 1

EWM  or WWM

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

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

Tax Parcel No. \_\_\_\_\_

Cased or Uncased Diameter 8" Static Level None

Work/Decommission Start Date 08/25/2011

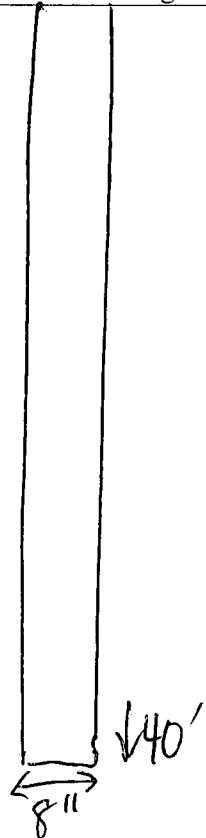
Work/Decommission Completed Date 08/25/2011

RECEIVED  
SEP 14 2011  
Water Resources Program  
Department of Ecology

### Construction Design

### Well Data

### Formation Description

	<p>Drilled (1) 40' Hollow Stem Auger Boring for geotechnical purposes.</p>	<p>Gravels, Cobbles, and some Sandy Silt 0-27'</p> <p>Pea Gravels and Some Silty Sand 27-35'</p> <p>Fine Sandy Silt 35-40'</p>
--	--	--

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

Please print, sign and return to the Department of Ecology

# RESOURCE PROTECTION WELL REPORT

CURRENT Notice of Intent No. AE14410

(SUBMIT ONE WELL REPORT PER WELL INSTALLED)

Construction/Decommission ("x" in box)

Construction

Decommission

424646

ORIGINAL INSTALLATION Notice of Intent Number:

SE43467

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

Unique Ecology Well ID Tag No. \_\_\_\_\_

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) Pablo, Adonis

Driller/Engineer /Trainee Signature Adonis Pablo

Driller or Trainee License No. 3056

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

Find Skyll 2854

Type of Well ("x" in box)

Resource Protection

Geotech Soil Boring

RECEIVED  
SEP 14 2011  
Water Resources Program  
Department of Ecology  
County Clark

Property Owner Clark County GS

Site Address 812 W 11th

City Vancouver

Location NW1/4-1/4 SW1/4 Sec 27 Twn 2N R 1

EWM  or WWM

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

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

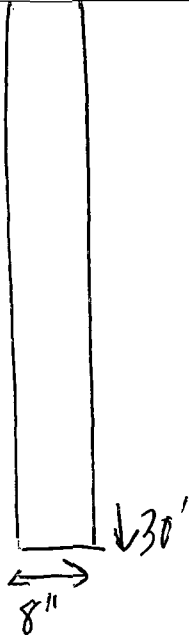
Tax Parcel No. \_\_\_\_\_

Cased or Uncased Diameter 8" Static Level None

Work/Decommission Start Date 08/25/2011

Work/Decommission Completed Date 08/25/2011

### Construction Design



### Well Data

Decommissioned (1) 30' Hollow Stem Auger boring using (15) Sacks of Bentonite Chips 30-3' & Gravel 3-0'.

### Formation Description

Gravels, Cobbles, and some Sandy Silt 0-25'  
Small Gravels & Some Sandy Silt (Pea Gravels) 25-30'

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

Please print, sign and return to the Department of Ecology

# RESOURCE PROTECTION WELL REPORT

CURRENT Notice of Intent No. **SE43467**

(SUBMIT ONE WELL REPORT PER WELL INSTALLED)

Construction/Decommission ("x" in box)

- Construction
- Decommission

424645

ORIGINAL INSTALLATION Notice of Intent Number:

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

Unique Ecology Well IDTag No. \_\_\_\_\_

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) Pablo, Adonis

Driller/Engineer /Trainee Signature Adonis Pablo

Driller or Trainee License No. 3056

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

Rod Angell 2854

Type of Well ("x" in box)

- Resource Protection
- Geotech Soil Boring

Property Owner Clark County GS

Site Address 812 W 11th

City Vancouver

Location NW1/4-1/4 SW1/4 Sec 27 Twn 2N R 1

EWM  or WWM

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

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

Tax Parcel No. \_\_\_\_\_

Cased or Uncased Diameter 8" Static Level None

Work/Decommission Start Date 08/25/2011

Work/Decommission Completed Date 08/25/2011

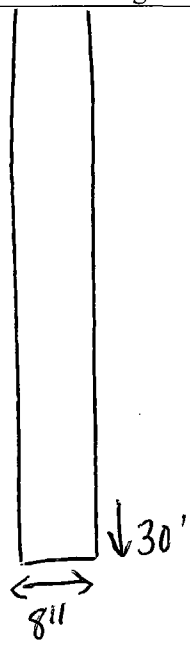
RECEIVED  
SEP 14 2011

Water Resources Program  
Department of Ecology  
County Clark

### Construction Design

### Well Data

### Formation Description

	<p>Drilled (1) 30' Hollow Stem Auger Boring for geotechnical purposes.</p>	<p>Gravels, Cobbles, and some Sandy Silt 0-25'</p> <p>Small Gravels &amp; Some Sandy Silt (Pea Gravels) 25-30'</p>
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The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

444027

Please print, sign and return to the Department of Ecology

# RESOURCE PROTECTION WELL REPORT

CURRENT Notice of Intent No. AE14410

(SUBMIT ONE WELL REPORT PER WELL INSTALLED)

Construction/Decommission ("x" in box)

- Construction
- Decommission

ORIGINAL INSTALLATION Notice of Intent Number:

SE43467

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

Unique Ecology Well IDTag No. \_\_\_\_\_

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) Pablo, Adonis

Driller/Engineer /Trainee Signature Adonis Pablo

Driller or Trainee License No. 3056

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

Jim Aguilar 2854

Type of Well ("x" in box)

- Resource Protection
- Geotech Soil Boring

Property Owner Clark County GS

Site Address 812 W 11th

City Vancouver

County Clark

Location NW1/4-1/4 SW1/4 Sec 27 Twn 2N R 1

EWM  or WWM

Lat/Long (s, t, r)

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

still REQUIRED)

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

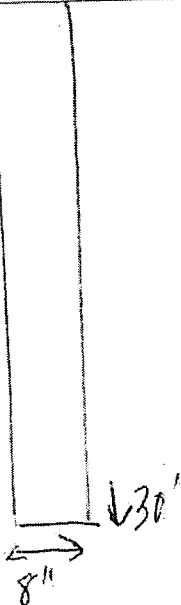
Tax Parcel No. \_\_\_\_\_

Cased or Uncased Diameter 8"

Static Level None

Work/Decommission Start Date 08/25/2011

Work/Decommission Completed Date 08/25/2011

Construction Design	Well Data	Formation Description
	<p>Decommissioned (1) 30' Hollow Stem Auger boring using (15) Sacks of Bentonite Chips 30-3' &amp; Gravel 3-0'.</p>	<p>Gravels, Cobbles, and some Sandy Silt 0-25' Small Gravels &amp; Some Sandy Silt (Pea Gravels) 25-30'</p>

RECEIVED

DEC 29 2011

WA State Department of Ecology (SWHO)

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

# RESOURCE PROTECTION WELL REPORT

START CARD NO. S 9415

PROJECT NAME: Kirkland Union Plaza  
 WELL IDENTIFICATION NO. B-1, Geotechnical Boring  
 DRILLING METHOD: Hollow Stem Auger  
 DRILLER: Curtis Ehlers # 2050  
 FIRM: PSI, Inc  
 SIGNATURE: Curtis Ehlers  
 CONSULTING FIRM: PSI, Inc  
 REPRESENTATIVE: Curtis Ehlers

COUNTY: Clark  
 LOCATION: SW 1/4 NW 1/4 Sec 27 Twn 2 R 1 E  
 STREET ADDRESS OF WELL: SW corner of West Mill Plain Blvd & Kauffman Ave, Vancouver WA  
 WATER LEVEL ELEVATION: No groundwater  
 GROUND SURFACE ELEVATION: 85 ft  
 INSTALLED: 7-14-99  
 DEVELOPED: \_\_\_\_\_

AS-BUILT	WELL DATA	FORMATION DESCRIPTION	
Boring Abandoned using granular bentonite	6 1/4" ID Hollow Stem Auger Boring - Geotechnical	Fill - Brown sandy silt with concrete masonry	
5	<div style="border: 1px solid black; padding: 10px; width: fit-content; margin: auto;"> <p style="font-weight: bold; font-size: 1.2em;">RECEIVED</p> <p style="font-weight: bold;">JUL 23 1999</p> <p>DEPARTMENT OF ECOLOGY WELL DRILLING UNIT</p> </div>	5	
10		Tan silty sand	10
15		Gray Fine to med. Sand	15
20		Tan silty sand	20
25		Gray coarse gravel	25
	TD 25.5 ft		

SCALE: 1" = 5 ft

PAGE 1 OF 1



# RESOURCE PROTECTION WELL REPORT

START CARD NO. SO1415

PROJECT NAME: Kirkland Union Plaza  
 WELL IDENTIFICATION NO. B-2, Geotechnical Boring  
 DRILLING METHOD: Hollow Stem Auger  
 DRILLER: Curtis Ehlers #2050  
 FIRM: PSE, inc  
 SIGNATURE: Curtis Ehlers  
 CONSULTING FIRM: PSE, inc  
 REPRESENTATIVE: Curtis Ehlers

COUNTY: Clark  
 LOCATION: SW 1/4 NW 1/4 Sec 27 Twn 2 R 1 E  
 STREET ADDRESS OF WELL: SW corner of west Mill Plain Blvd & Kauffman Ave, Vancouver, WA  
 WATER LEVEL ELEVATION: No Groundwater  
 GROUND SURFACE ELEVATION: 85 ft  
 INSTALLED: 7-15-99  
 DEVELOPED: \_\_\_\_\_

AS-BUILT	WELL DATA	FORMATION DESCRIPTION
Boring Abandoned using granular Bentonite	6 1/4" Hollow Stem Auger Geotechnical Boring	Fill - Dark brown silty coarse sand
5		5
10		10
15	<b>RECEIVED</b>  JUL 22 1999  DEPARTMENT OF ECOLOGY WELL DRILLING UNIT	15
20		20
25		25
	TD 26.5 ft	

SCALE: 1" = 5 ft

PAGE 1 OF 1

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

# RESOURCE PROTECTION WELL REPORT

START CARD NO. 501415

PROJECT NAME: Kirkland Union Plaza  
 WELL IDENTIFICATION NO: B-3, Geotech Boring  
 DRILLING METHOD: Hollow Stem Auger  
 DRILLER: Curtis Ehlers #2050  
 FIRM: PSI, inc  
 SIGNATURE: Curtis Ehlers  
 CONSULTING FIRM: PSI, inc  
 REPRESENTATIVE: Curtis Ehlers

COUNTY: Clark  
 LOCATION: SW 1/4 NW 1/4 Sec 27 Twn 2 R 1 E  
 STREET ADDRESS OF WELL: SW Corner of west Mill Plain Blvd & Koffman Ave, Vancouver WA  
 WATER LEVEL ELEVATION: No Groundwater  
 GROUND SURFACE ELEVATION: 83 ft  
 INSTALLED: 7-15-99  
 DEVELOPED: \_\_\_\_\_

AS-BUILT	WELL DATA	FORMATION DESCRIPTION
Boring Abandoned Using granular Bentonite 5 10 15 20 25	6 1/4" Dia Hollow Stem Auger Geotechnical Boring  <b>RECEIVED</b> JUL 22 1999 DEPARTMENT OF ECOLOGY WELL DRILLING UNIT	Fill - Brown silty coarse Sand w/ asphalt 5 Brown to gray Fine to medium Sand 10 Tan silty Sand 15 Gray Fine to medium Sand 20 Tan silty Sand 25 Gray fine Sand
	TD 26.5 ft	

SCALE: 1" = 5 ft

PAGE 1 OF 1

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

## RESOURCE PROTECTION WELL REPORT

START CARD NO. 501415

PROJECT NAME: Kirkland Union Plaza  
 WELL IDENTIFICATION NO: B-4, Geotech Boring  
 DRILLING METHOD: Hollow Stem Auger  
 DRILLER: Curtis Ehlers #2050  
 FIRM: PSI, inc  
 SIGNATURE: Curtis Ehlers  
 CONSULTING FIRM: PSI, inc  
 REPRESENTATIVE: Curtis Ehlers

COUNTY: Clark  
 LOCATION: SW 1/4 NW 1/4 Sec 27 Twn 2 R 1 E  
 STREET ADDRESS OF WELL: SW Corner of West Mill Plain Blvd & Kauffman Ave, Vancouver, WA  
 WATER LEVEL ELEVATION: NO Groundwater  
 GROUND SURFACE ELEVATION: 80 ft  
 INSTALLED: 7-15-99  
 DEVELOPED: \_\_\_\_\_

AS-BUILT	WELL DATA	FORMATION DESCRIPTION
Boring Abandoned using granular Bentonite	6 1/4" ID Hollow Stem Auger Geotechnical Boring	Topsoil Brown to gray Fine to coarse Sand
<b>RECEIVED</b> JUL 22 1999 DEPARTMENT OF ECOLOGY WELL DRILLING UNIT		Gray Fine Sand Tan Silty Sand Gray Fine to medium Sand
	TD 21.5 ft	

SCALE: 1" = 5 ft

PAGE 1 OF 1

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

# RESOURCE PROTECTION WELL REPORT

START CARD NO. S01415

PROJECT NAME: Kirkland Union Plaza  
 WELL IDENTIFICATION NO: B-5, Geotech Boring  
 DRILLING METHOD: Hollow Stem Auger  
 DRILLER: Curtis Ehlers # 2050  
 FIRM: PSI, inc  
 SIGNATURE: Curtis Ehlers  
 CONSULTING FIRM: PSI, inc  
 REPRESENTATIVE: Curtis Ehlers

COUNTY: Clark  
 LOCATION: SW 1/4 NW 1/4 Sec 27 Twn 2 R 1 E  
 STREET ADDRESS OF WELL: SW CORNER of WEST Mill Plain Blvd & Kauffman Ave, Vancouver WA  
 WATER LEVEL ELEVATION: NO Groundwater  
 GROUND SURFACE ELEVATION: 75 ft  
 INSTALLED: 7-16-99  
 DEVELOPED: \_\_\_\_\_

AS-BUILT	WELL DATA	FORMATION DESCRIPTION
Boring Abandoned using granular Bentonite	6" ID Hollow Stem Auger Geotechnical Boring	Fill - Brown silty coarse sand with gravel, asphalt
5	<b>RECEIVED</b> <b>JUL 22 1999</b> DEPARTMENT OF ECOLOGY WELL DRILLING UNIT	Brown to gray Fine to coarse Sand
10		Tan silty Sand
15		
20	TD 21.5 ft	Gray Fine to coarse Sand

SCALE: 1" = 5 ft

PAGE 1 OF 1

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

# RESOURCE PROTECTION WELL REPORT

START CARD NO. SO1415

PROJECT NAME: Kirkland Union Plaza  
 WELL IDENTIFICATION NO: B-6, Geotech Boring  
 DRILLING METHOD: Hollow Stem Auger  
 DRILLER: Curtis Ehlers #2050  
 FIRM: PSI, inc  
 SIGNATURE: Curtis Ehlers  
 CONSULTING FIRM: PSI, inc  
 REPRESENTATIVE: Curtis Ehlers

COUNTY: Clark  
 LOCATION: SW 1/4 NW 1/4 Sec 27 Twn 2 R 1 E  
 STREET ADDRESS OF WELL: SW Corner of West Mill Plain Blvd & Kauffman Ave, Vancouver, WA  
 WATER LEVEL ELEVATION: NO Groundwater  
 GROUND SURFACE ELEVATION: 80 ft  
 INSTALLED: 7-16-99  
 DEVELOPED: \_\_\_\_\_

AS-BUILT	WELL DATA	FORMATION DESCRIPTION
Boring Abandoned using Granular Bentonite 5 10 15 20	6 1/4" ID Hollow Stem Auger Geotechnical Boring  <div style="text-align: center;"> <b>RECEIVED</b>  <b>JUL 22 1999</b>  <small>DEPARTMENT OF ECOLOGY WELL DRILLING UNIT</small> </div> TD 21.5 ft	Fill - Brown silty coarse sand w/ concrete, brick 5 10 Gray Fine to med. Sand Gray Fine Sand 15 Tan silty Sand 20 Gray Fine to medium Sand 20

SCALE: 1" = 5 ft

PAGE 1 OF 1

# RESOURCE PROTECTION WELL REPORT

CURRENT Notice of Intent No. AE 32369

(SUBMIT ONE WELL REPORT PER WELL INSTALLED)

Construction/Decommission (select one)

- Construction  
 Decommission ORIGINAL INSTALLATION Notice  
of Intent Number SE 55037

Type of Well (select one)

- Resource Protection  
 Geotech Soil Boring

Consulting Firm TERRACON

Property Owner C/O TERRACON

Unique Ecology Well ID \_\_\_\_\_

Site Address 610 ESTHER ST.

Tag No. B-4

City VANCOUVER County CLARK

Location SW 1/4-1/4 NW 1/4 Sec 27 Twn 2 R 1  EWM  WWM

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.

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

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

Driller  Engineer  Trainee Name (Print) FRANKLIN LUNDIN

Tax Parcel No. \_\_\_\_\_

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

Driller or Trainee License No. 2593

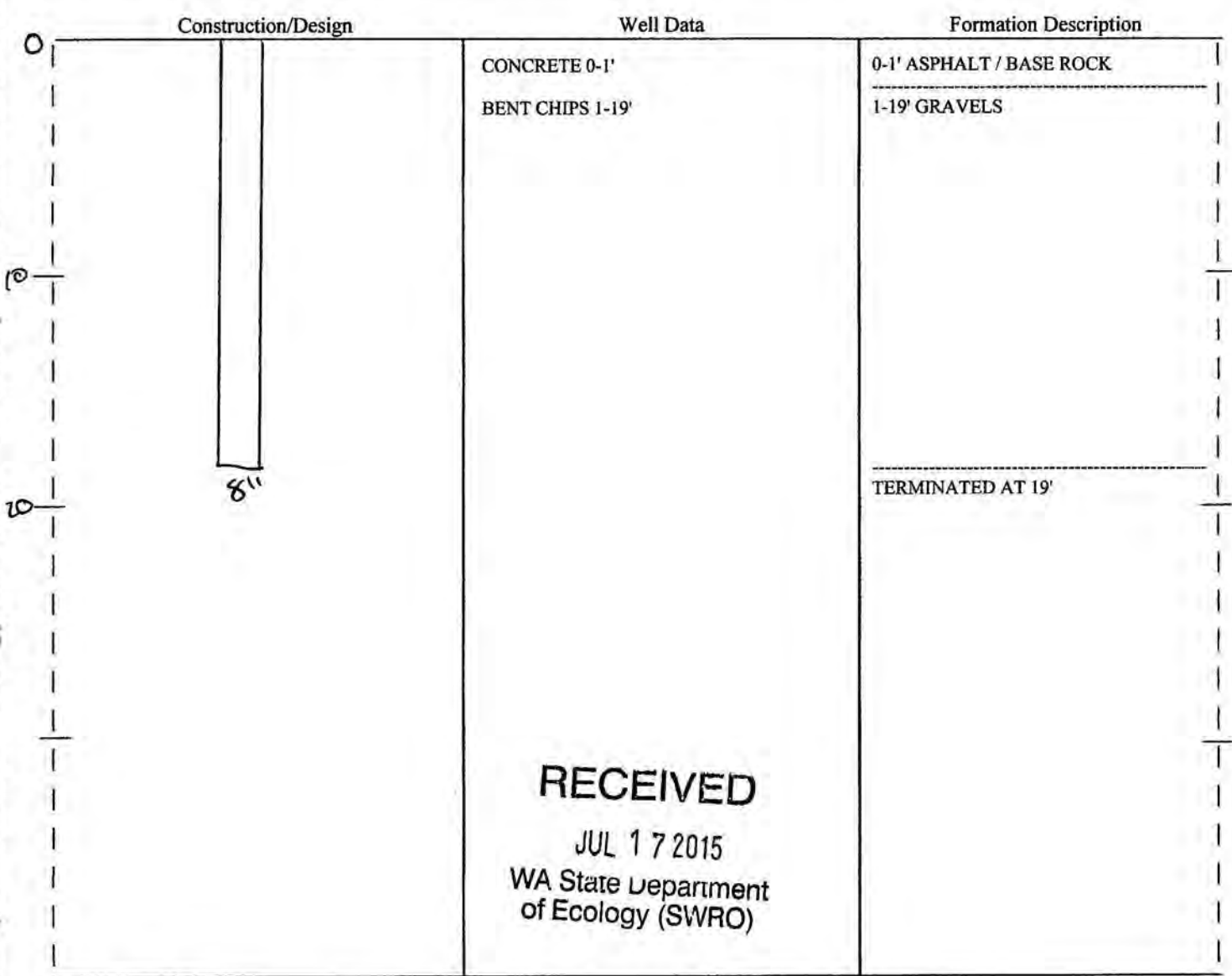
Cased or Uncased Diameter 8" Static Level \_\_\_\_\_

Work/Decommission Start Date 6/9/15

Work/Decommission Completed Date 6/9/15

If trainee, licensed driller's Signature and License No. 2593

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report



**RECEIVED**  
 JUL 17 2015  
 WA State Department  
 of Ecology (SWRO)

1"=10'

1 1

# RESOURCE PROTECTION WELL REPORT

CURRENT Notice of Intent No. SE 55037

(SUBMIT ONE WELL REPORT PER WELL INSTALLED)

Construction/Decommission (select one)

- Construction  
 Decommission ORIGINAL INSTALLATION Notice  
of Intent Number \_\_\_\_\_

Type of Well (select one)

- Resource Protection  
 Geotech Soil Boring

Consulting Firm TERRACON

Property Owner C/O TERRACON

Unique Ecology Well ID \_\_\_\_\_

Site Address 610 ESTHER ST.

Tag No. B-3

City VANCOUVER County CLARK

Location SW 1/4-1/4 NW 1/4 Sec 27 Twn 2 R 1  EWM  WWM

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) FRANKLIN LUNDIN

Driller/Engineer /Trainee Signature [Signature]

Driller or Trainee License No. 2593

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

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

Tax Parcel No. \_\_\_\_\_

Cased or Uncased Diameter 8" Static Level \_\_\_\_\_

Work/Decommission Start Date 6/9/15

Work/Decommission Completed Date 6/9/15

If trainee, licensed driller's Signature and License No. 2593

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report

Construction/Design	Well Data	Formation Description
	<p>CONCRETE 0-1' BENT CHIPS 1-19'</p>	<p>0-1' ASPHALT / BASE ROCK 1-19' GRAVELS  TERMINATED AT 19'</p>

**RECEIVED**  
 JUL 17 2015  
 WA State Department  
 of Ecology (SWRO)

1"=10'

1 1

# RESOURCE PROTECTION WELL REPORT

CURRENT Notice of Intent No. SE 55037

(SUBMIT ONE WELL REPORT PER WELL INSTALLED)

Construction/Decommission (select one)

- Construction  
 Decommission ORIGINAL INSTALLATION Notice  
of Intent Number \_\_\_\_\_

Type of Well (select one)

- Resource Protection  
 Geotech Soil Boring

Consulting Firm TERRACON

Property Owner C/O TERRACON

Unique Ecology Well ID \_\_\_\_\_

Site Address 610 ESTHER ST.

Tag No. B-1

City VANCOUVER County CLARK

Location SW 1/4-1/4 NW 1/4 Sec 27 Twn 2 R 1 Select One  EWM  WWM


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.

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

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

Driller  Engineer  Trainee Name (Print) FRANKLIN LUNDIN

Tax Parcel No. \_\_\_\_\_

Driller/Engineer /Trainee Signature 

Cased or Uncased Diameter 8" Static Level \_\_\_\_\_


Driller or Trainee License No. 2593

Work/Decommission Start Date 6/9/15

If trainee, licensed driller's Signature and License No. 2593

Work/Decommission Completed Date 6/9/15

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report

Construction/Design	Well Data	Formation Description
	<p>CONCRETE 0-1' BENT CHIPS 1-32'</p> <p style="text-align: center;"><b>RECEIVED</b> JUL 17 2015 WA State Department of Ecology (SWRO)</p>	<p>0-1' ASPHALT / BASE ROCK 1-19' SAND W/ GRAVELS 19-32' GRAVELS TERMINATED AT 32'</p>



# RESOURCE PROTECTION WELL REPORT

CURRENT Notice of Intent No. AE 32369

(SUBMIT ONE WELL REPORT PER WELL INSTALLED)

Construction/Decommission (select one)

- Construction  
 Decommission ORIGINAL INSTALLATION Notice  
of Intent Number SE 55037

Type of Well (select one)

- Resource Protection  
 Geotech Soil Boring

Consulting Firm TERRACON

Unique Ecology Well ID \_\_\_\_\_

Tag No. B-3

Property Owner C/O TERRACON

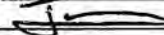
Site Address 610 ESTHER ST.

City VANCOUVER County CLARK

Location SW 1/4-1/4 NW 1/4 Sec 27 Twn 2 R 1  EWM  WWM

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) FRANKLIN LUNDIN

Driller/Engineer /Trainee Signature 

Driller or Trainee License No. 2593

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

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

Tax Parcel No. \_\_\_\_\_

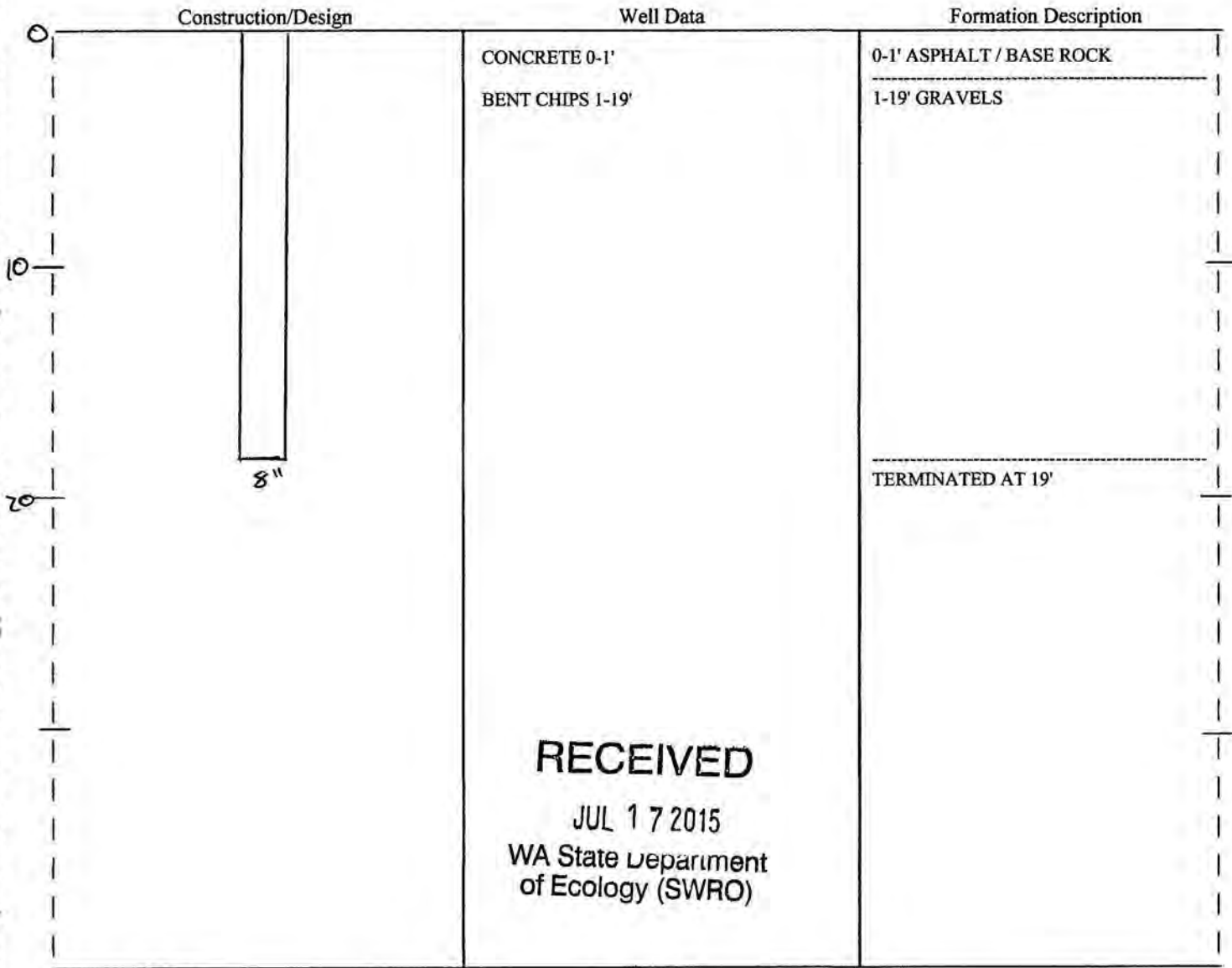
Cased or Uncased Diameter 8" Static Level \_\_\_\_\_

Work/Decommission Start Date 6/9/15

Work/Decommission Completed Date 6/9/15

If trainee, licensed driller's Signature and License No. 2593

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report



**RECEIVED**  
JUL 17 2015  
WA State Department  
of Ecology (SWRO)

1"=10'

1 1

# RESOURCE PROTECTION WELL REPORT

CURRENT Notice of Intent No. AE 32369

(SUBMIT ONE WELL REPORT PER WELL INSTALLED)

Construction/Decommission (select one)

- Construction  
 Decommission ORIGINAL INSTALLATION Notice  
of Intent Number SE 55037

Consulting Firm TERRACON

Unique Ecology Well ID \_\_\_\_\_

Tag No. B-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) FRANKLIN LUNDIN

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

Driller or Trainee License No. 2593

If trainee, licensed driller's

Signature and License No. 2593

Type of Well (select one)

- Resource Protection  
 Geotech Soil Boring

Property Owner C/O TERRACON

Site Address 610 ESTHER ST.

City VANCOUVER County CLARK

Location SW 1/4-1/4 NW 1/4 Sec 27 Twn 2 R 1  EWM  WWM

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

Tax Parcel No. \_\_\_\_\_

Cased or Uncased Diameter 8" Static Level \_\_\_\_\_

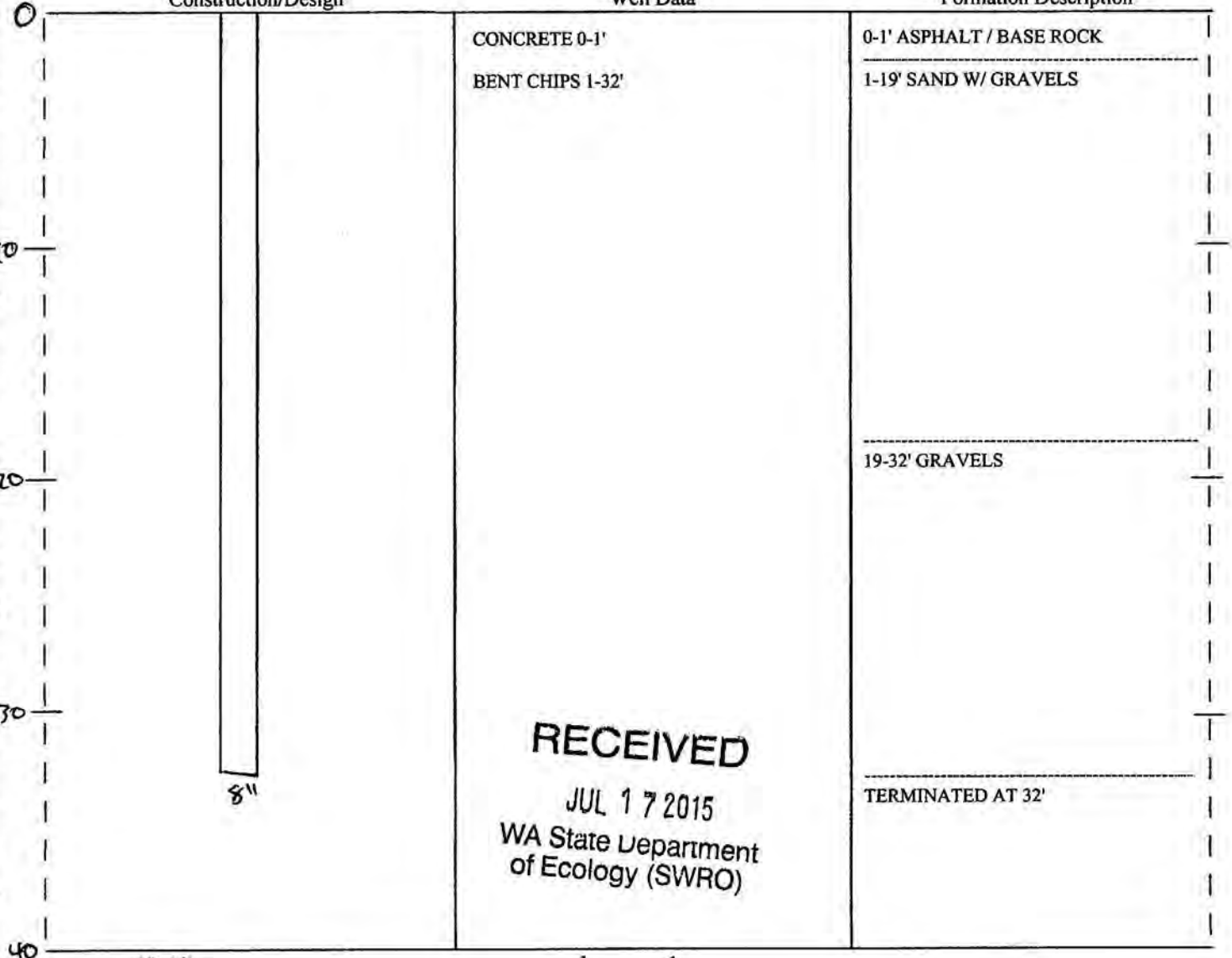
Work/Decommission Start Date 6/9/15

Work/Decommission Completed Date 6/9/15

Construction/Design

Well Data

Formation Description



1"=10'

1 1

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report

# RESOURCE PROTECTION WELL REPORT

CURRENT Notice of Intent No. SE 55037

(SUBMIT ONE WELL REPORT PER WELL INSTALLED)

Construction/Decommission (select one)

- Construction  
 Decommission ORIGINAL INSTALLATION Notice of Intent Number \_\_\_\_\_

Type of Well (select one)

- Resource Protection  
 Geotech Soil Boring

Consulting Firm TERRACON

Property Owner C/O TERRACON

Unique Ecology Well ID \_\_\_\_\_

Site Address 610 ESTHER ST.

Tag No. B-4

City VANCOUVER County CLARK

Location SW1/4-1/4 NW1/4 Sec 27 Twn 2 R 1  EWM  WWM

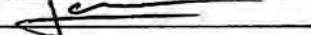
WELL CONSTRUCTION CERTIFICATION: I constructed and/or accept responsibility for construction of this well, and its compliance with all Washington well construction standards. Materials used and the information reported above are true to my best knowledge and belief.

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

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

Driller  Engineer  Trainee Name (Print) FRANKLIN LUNDIN

Tax Parcel No. \_\_\_\_\_

Driller/Engineer /Trainee Signature 

Cased or Uncased Diameter 8" Static Level \_\_\_\_\_

Driller or Trainee License No. 2593

Work/Decommission Start Date 6/9/15

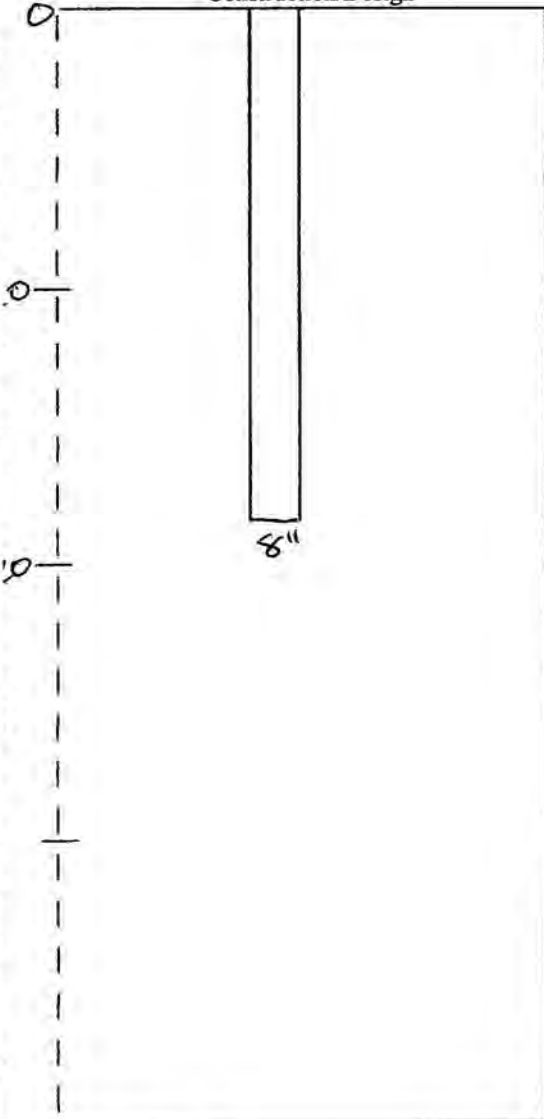
If trainee, licensed driller's Signature and License No. 2593

Work/Decommission Completed Date 6/9/15

Construction/Design

Well Data

Formation Description

	<p>CONCRETE 0-1' BENT CHIPS 1-19'</p>	<p>0-1' ASPHALT / BASE ROCK 1-19' GRAVELS  TERMINATED AT 19'</p>
---	---	--

RECEIVED

JUL 17 2015

WA State Department of Ecology (SWRO)

1"=10'

1 1

The Department of Ecology does NOT warrant the Data and/or the Information on this Well Report

# RESOURCE PROTECTION WELL REPORT

CURRENT Notice of Intent No. AE 32369

(SUBMIT ONE WELL REPORT PER WELL INSTALLED)

Construction/Decommission (select one)

- Construction  
 Decommission ORIGINAL INSTALLATION Notice  
of Intent Number SE 55037

Type of Well (select one)

- Resource Protection  
 Geotech Soil Boring

Consulting Firm TERRACON

Property Owner C/O TERRACON

Unique Ecology Well ID \_\_\_\_\_

Site Address 610 ESTHER ST.

Tag No. B-2

City VANCOUVER County CLARK


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.

Location SW 1/4-1/4 NW 1/4 Sec 27 Twn 2 R 1  EWM  WWM

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

Driller  Engineer  Trainee Name (Print) FRANKLIN LUNDIN

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

Driller/Engineer /Trainee Signature 

Tax Parcel No. \_\_\_\_\_

Driller or Trainee License No. 2593

Cased or Uncased Diameter 8" Static Level \_\_\_\_\_

If trainee, licensed driller's Signature and License No. 2593

Work/Decommission Start Date 6/9/15

Work/Decommission Completed Date 6/9/15

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report

Construction/Design	Well Data	Formation Description
	<p>CONCRETE 0-1' BENT CHIPS 1-19'</p> <p style="text-align: center; font-weight: bold; font-size: 1.2em;">RECEIVED</p> <p style="text-align: center;">JUL 17 2015</p> <p style="text-align: center;">WA State Department of Ecology (SWRO)</p>	<p>0-1' ASPHALT / BASE ROCK 1-19' GRAVELS</p> <p>TERMINATED AT 19'</p>

1"=10'

1 1

# RESOURCE PROTECTION WELL REPORT

CURRENT Notice of Intent No. SE 55037

(SUBMIT ONE WELL REPORT PER WELL INSTALLED)

Construction/Decommission (select one)

- Construction  
 Decommission ORIGINAL INSTALLATION Notice  
of Intent Number \_\_\_\_\_

Type of Well (select one)

- Resource Protection  
 Geotech Soil Boring

Consulting Firm TERRACON

Property Owner C/O TERRACON

Unique Ecology Well ID \_\_\_\_\_

Site Address 610 ESTHER ST.

Tag No. B-2

City VANCOUVER County CLARK

Location SW 1/4-1/4 NW 1/4 Sec 27 Twn 2 R 1  EWM  WWM

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.

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

Driller  Engineer  Trainee Name (Print) FRANKLIN LUNDIN

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

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

Tax Parcel No. \_\_\_\_\_

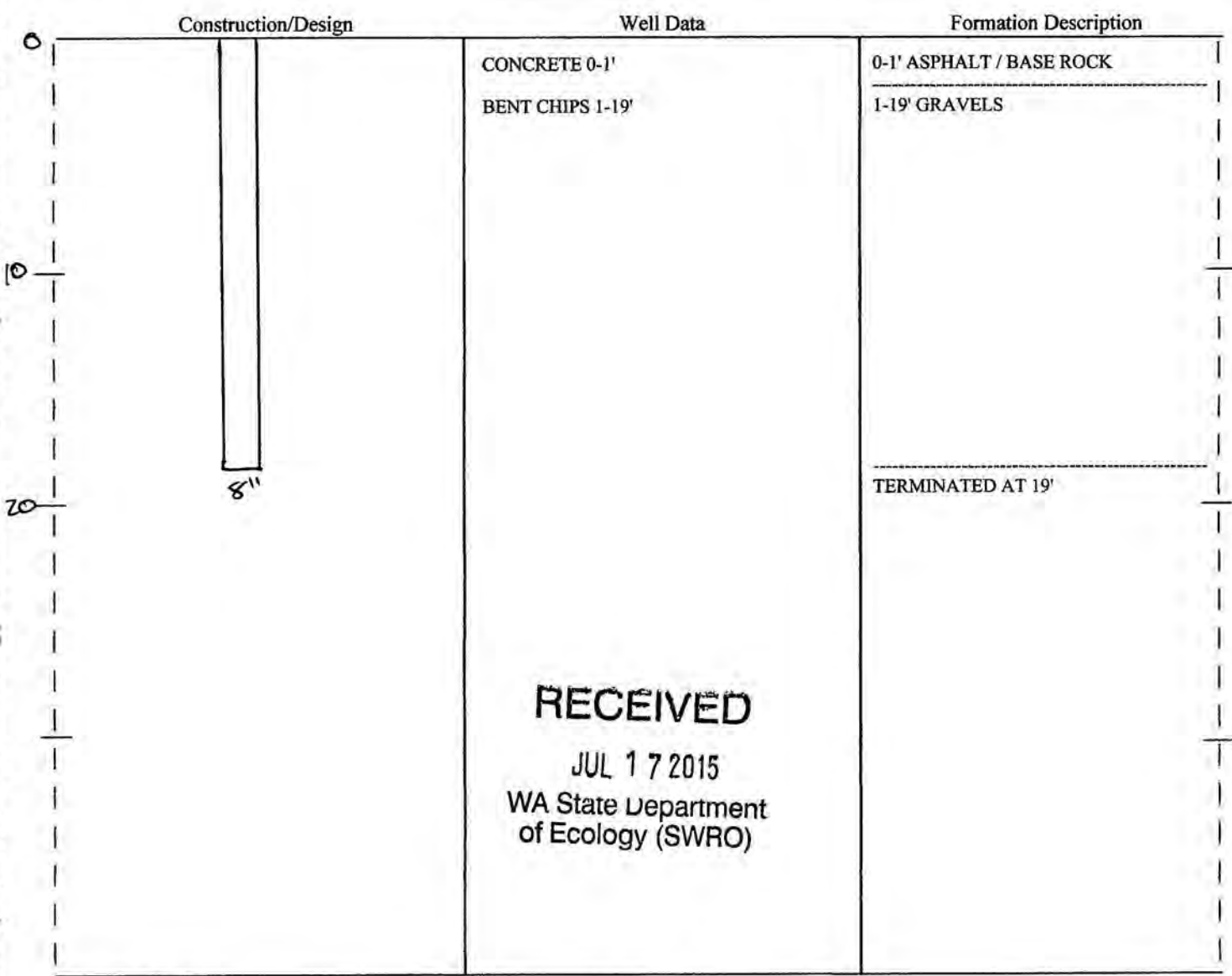
Driller or Trainee License No. 2593

Cased or Uncased Diameter 8" Static Level \_\_\_\_\_

Work/Decommission Start Date 6/9/15

If trainee, licensed driller's Signature and License No. 2593

Work/Decommission Completed Date 6/9/15



1"=10'

1 1

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# RESOURCE PROTECTION WELL REPORT

CURRENT Notice of Intent No. SE 55037

(SUBMIT ONE WELL REPORT PER WELL INSTALLED)

Construction/Decommission (select one)

- Construction  
 Decommission ORIGINAL INSTALLATION Notice  
of Intent Number \_\_\_\_\_

Consulting Firm TERRACON

Unique Ecology Well ID \_\_\_\_\_

Tag No. B-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) FRANKLIN LUNDIN

Driller/Engineer /Trainee Signature [Signature]

Driller or Trainee License No. 2593

If trainee, licensed driller's

Signature and License No. 2593

Type of Well (select one)

- Resource Protection  
 Geotech Soil Boring

Property Owner C/O TERRACON

Site Address 610 ESTHER ST.

City VANCOUVER County CLARK

Location SW 1/4-1/4 NW 1/4 Sec 27 Twn 2 R 1 Select One  EWM  WWM

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

Tax Parcel No. \_\_\_\_\_

Cased or Uncased Diameter 8" Static Level \_\_\_\_\_

Work/Decommission Start Date 6/9/15

Work/Decommission Completed Date 6/9/15

Construction/Design	Well Data	Formation Description
	<p>CONCRETE 0-1'  BENT CHIPS 1-32'</p>	<p>0-1' ASPHALT / BASE ROCK  1-19' SAND W/ GRAVELS    19-32' GRAVELS    TERMINATED AT 32'</p>

**RECEIVED**  
JUL 17 2015  
WA State Department  
of Ecology (SWRO)

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report

# RESOURCE PROTECTION WELL REPORT

CURRENT Notice of Intent No. SE 55037

(SUBMIT ONE WELL REPORT PER WELL INSTALLED)

Construction/Decommission (select one)

- Construction  
 Decommission ORIGINAL INSTALLATION Notice  
of Intent Number \_\_\_\_\_

Type of Well (select one)

- Resource Protection  
 Geotech Soil Boring

Consulting Firm TERRACON

Property Owner C/O TERRACON

Unique Ecology Well ID \_\_\_\_\_

Site Address 610 ESTHER ST.

Tag No. B-3

City VANCOUVER County CLARK

Location SW 1/4-1/4 NW 1/4 Sec 27 Twn 2 R 1  EWM  WWM

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) FRANKLIN LUNDIN

Driller/Engineer /Trainee Signature [Signature]

Driller or Trainee License No. 2593

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

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

Tax Parcel No. \_\_\_\_\_

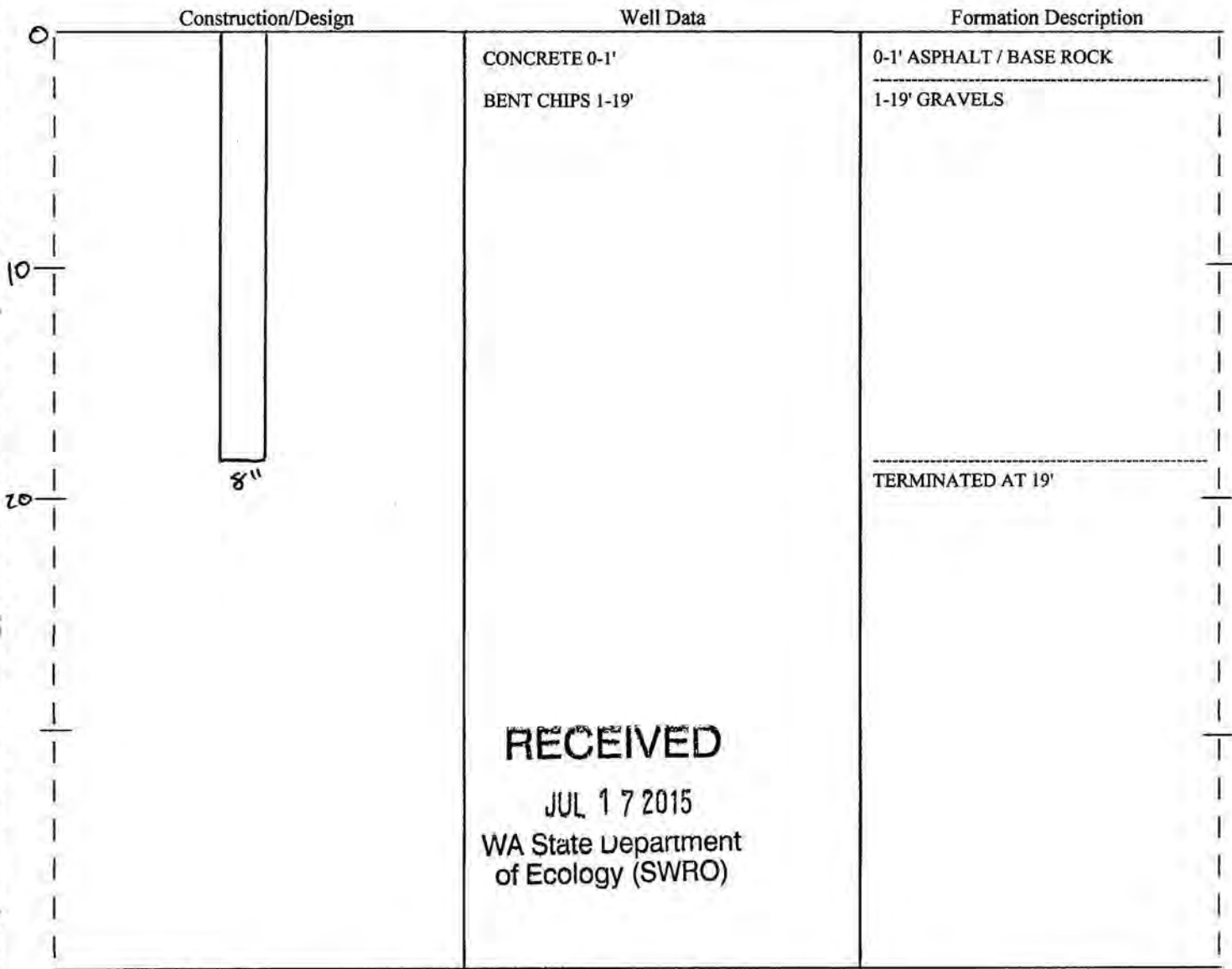
Cased or Uncased Diameter 8" Static Level \_\_\_\_\_

Work/Decommission Start Date 6/9/15

Work/Decommission Completed Date 6/9/15

If trainee, licensed driller's  
Signature and License No. 2593

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report



**RECEIVED**  
 JUL 17 2015  
 WA State Department  
 of Ecology (SWRO)

1"=10'

1 1

# RESOURCE PROTECTION WELL REPORT

CURRENT Notice of Intent No. AE 32369

(SUBMIT ONE WELL REPORT PER WELL INSTALLED)

Construction/Decommission (select one)

- Construction  
 Decommission ORIGINAL INSTALLATION Notice  
of Intent Number SE 55037

Type of Well (select one)

- Resource Protection  
 Geotech Soil Boring

Consulting Firm TERRACON

Property Owner C/O TERRACON

Unique Ecology Well ID \_\_\_\_\_

Site Address 610 ESTHER ST.

Tag No. B-3

City VANCOUVER County CLARK

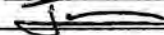
Location SW 1/4-1/4 NW1/4 Sec 27 Twn 2 R 1  EWM  WWM

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.

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

Driller  Engineer  Trainee Name (Print) FRANKLIN LUNDIN

Tax Parcel No. \_\_\_\_\_

Driller/Engineer/Trainee Signature 

Cased or Uncased Diameter 8" Static Level \_\_\_\_\_

Driller or Trainee License No. 2593

Work/Decommission Start Date 6/9/15

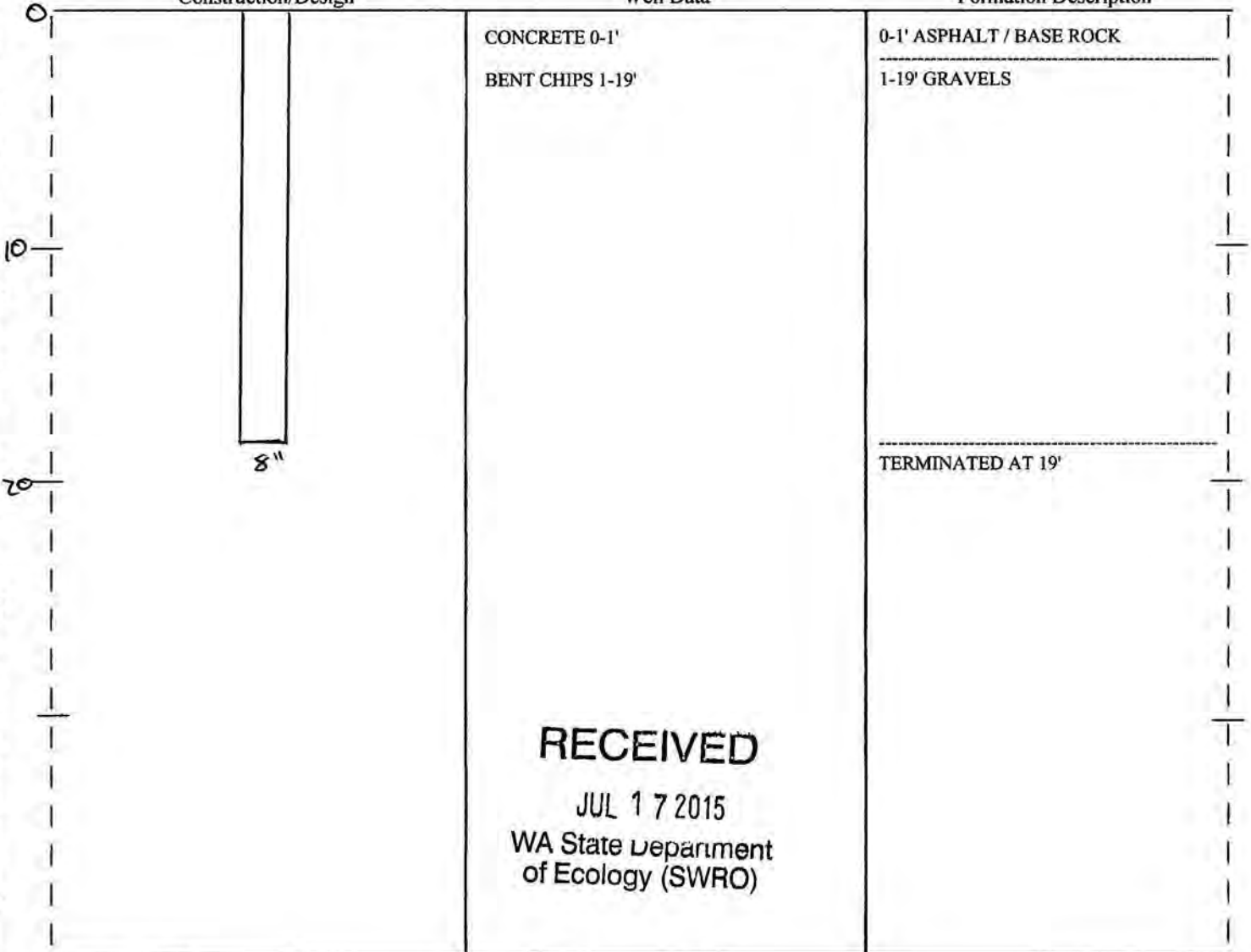
If trainee, licensed driller's Signature and License No. 2593

Work/Decommission Completed Date 6/9/15

Construction/Design

Well Data

Formation Description



**RECEIVED**  
JUL 17 2015  
WA State Department  
of Ecology (SWRO)

1"=10'

1 1

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# RESOURCE PROTECTION WELL REPORT

CURRENT Notice of Intent No. AE 32369

(SUBMIT ONE WELL REPORT PER WELL INSTALLED)

Construction/Decommission (select one)

- Construction  
 Decommission ORIGINAL INSTALLATION Notice  
of Intent Number SE 55037

Type of Well (select one)

- Resource Protection  
 Geotech Soil Boring

Consulting Firm TERRACON

Property Owner C/O TERRACON

Unique Ecology Well ID \_\_\_\_\_

Site Address 610 ESTHER ST.

Tag No. B-1

City VANCOUVER County CLARK

Location SW 1/4-1/4 NW 1/4 Sec 27 Twn 2 R 1  EWM  WWM

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.

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

Driller  Engineer  Trainee Name (Print) FRANKLIN LUNDIN  
Driller/Engineer /Trainee Signature \_\_\_\_\_  
Driller or Trainee License No. 2593

Tax Parcel No. \_\_\_\_\_

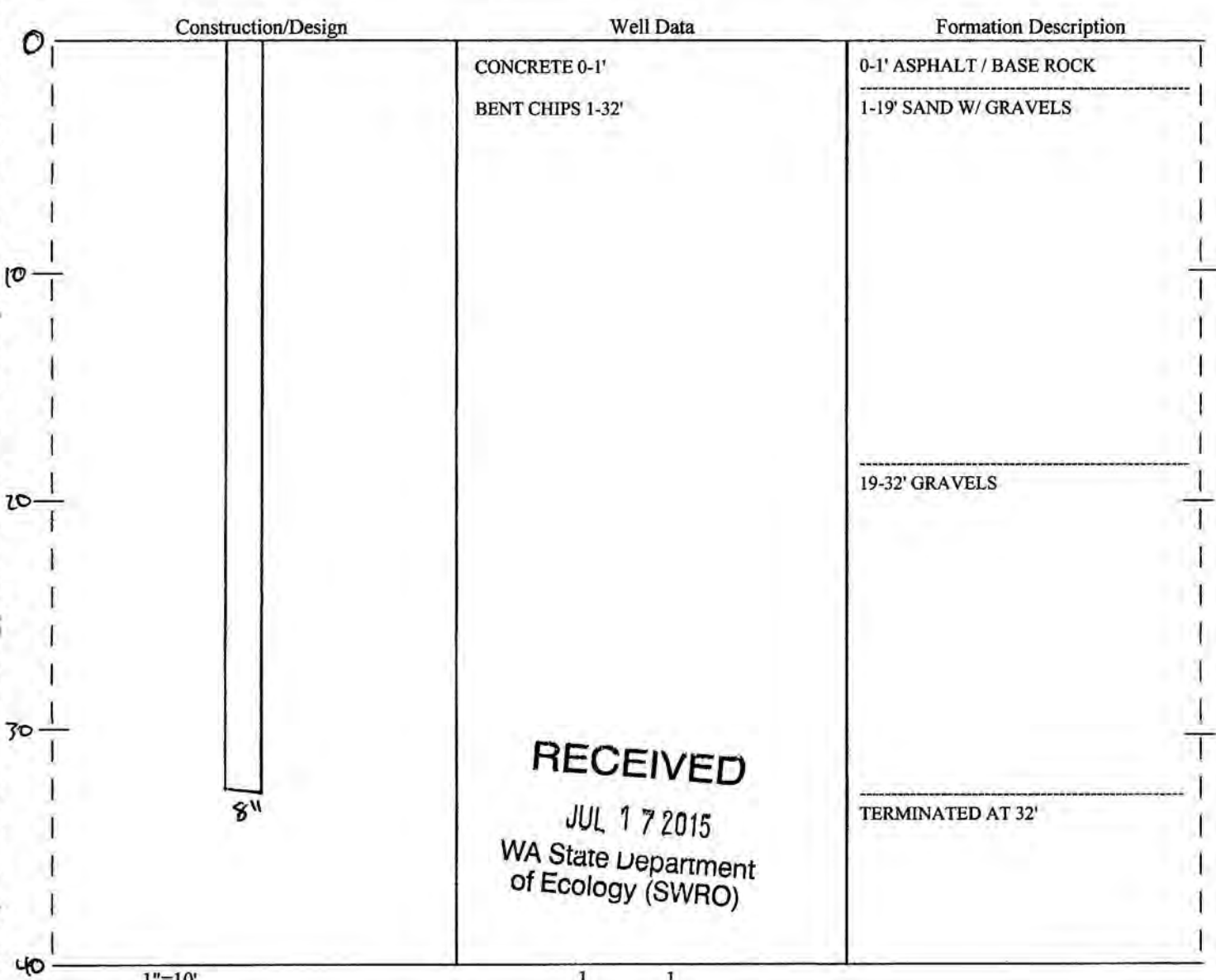
Cased or Uncased Diameter 8" Static Level \_\_\_\_\_

Work/Decommission Start Date 6/9/15

Work/Decommission Completed Date 6/9/15

If trainee, licensed driller's Signature and License No. 2593

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report



# RESOURCE PROTECTION WELL REPORT

CURRENT Notice of Intent No. AE 32369

(SUBMIT ONE WELL REPORT PER WELL INSTALLED)

Construction/Decommission (select one)

- Construction  
 Decommission ORIGINAL INSTALLATION Notice  
of Intent Number SE 55037

Type of Well (select one)

- Resource Protection  
 Geotech Soil Boring

Consulting Firm TERRACON

Property Owner C/O TERRACON

Unique Ecology Well ID \_\_\_\_\_

Site Address 610 ESTHER ST.

Tag No. B-2

City VANCOUVER County CLARK

Location SW 1/4-1/4 NW 1/4 Sec 27 Twn 2 R 1 Select One  EWM  WWM

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.

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

Driller  Engineer  Trainee Name (Print) FRANKLIN LUNDIN

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

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

Tax Parcel No. \_\_\_\_\_

Driller or Trainee License No. 2593

Cased or Uncased Diameter 8" Static Level \_\_\_\_\_

If trainee, licensed driller's Signature and License No. 2593

Work/Decommission Start Date 6/9/15

Work/Decommission Completed Date 6/9/15

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report

Construction/Design	Well Data	Formation Description
	<p>CONCRETE 0-1' BENT CHIPS 1-19'</p>	<p>0-1' ASPHALT / BASE ROCK 1-19' GRAVELS</p> <hr/> <p>TERMINATED AT 19'</p>

**RECEIVED**  
JUL 17 2015  
WA State Department  
of Ecology (SWRO)

1"=10'

1 1

# RESOURCE PROTECTION WELL REPORT

CURRENT Notice of Intent No. SE 55037

(SUBMIT ONE WELL REPORT PER WELL INSTALLED)

Construction/Decommission (select one)

- Construction  
 Decommission ORIGINAL INSTALLATION Notice  
of Intent Number \_\_\_\_\_

Consulting Firm TERRACON

Unique Ecology Well ID \_\_\_\_\_

Tag No. B-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) FRANKLIN LUNDIN

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

Driller or Trainee License No. 2593

If trainee, licensed driller's  
Signature and License No. 2593

Type of Well (select one)

- Resource Protection  
 Geotech Soil Boring

Property Owner C/O TERRACON

Site Address 610 ESTHER ST.

City VANCOUVER County CLARK

Location SW 1/4-1/4 NW 1/4 Sec 27 Twn 2 R 1  EWM  WWM

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

Tax Parcel No. \_\_\_\_\_

Cased or Uncased Diameter 8" Static Level \_\_\_\_\_

Work/Decommission Start Date 6/9/15

Work/Decommission Completed Date 6/9/15

Construction/Design

Well Data

Formation Description

CONCRETE 0-1'  
BENT CHIPS 1-19'

0-1' ASPHALT / BASE ROCK  
1-19' GRAVELS

TERMINATED AT 19'

RECEIVED

JUL 17 2015  
WA State Department  
of Ecology (SWRO)

1"=10'

1 1

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report

# RESOURCE PROTECTION WELL REPORT

CURRENT Notice of Intent No. SE 55037

(SUBMIT ONE WELL REPORT PER WELL INSTALLED)

Construction/Decommission (select one)

- Construction  
 Decommission ORIGINAL INSTALLATION Notice of Intent Number \_\_\_\_\_

Type of Well (select one)

- Resource Protection  
 Geotech Soil Boring

Consulting Firm TERRACON

Property Owner C/O TERRACON

Unique Ecology Well ID \_\_\_\_\_

Site Address 610 ESTHER ST.


Tag No. B-2

City VANCOUVER County CLARK

Location SW 1/4-1/4 NW 1/4 Sec 27 Twn 2 R 1  EWM  WWM

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) FRANKLIN LUNDIN

Driller/Engineer /Trainee Signature 

Driller or Trainee License No. 2593

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

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

Tax Parcel No. \_\_\_\_\_

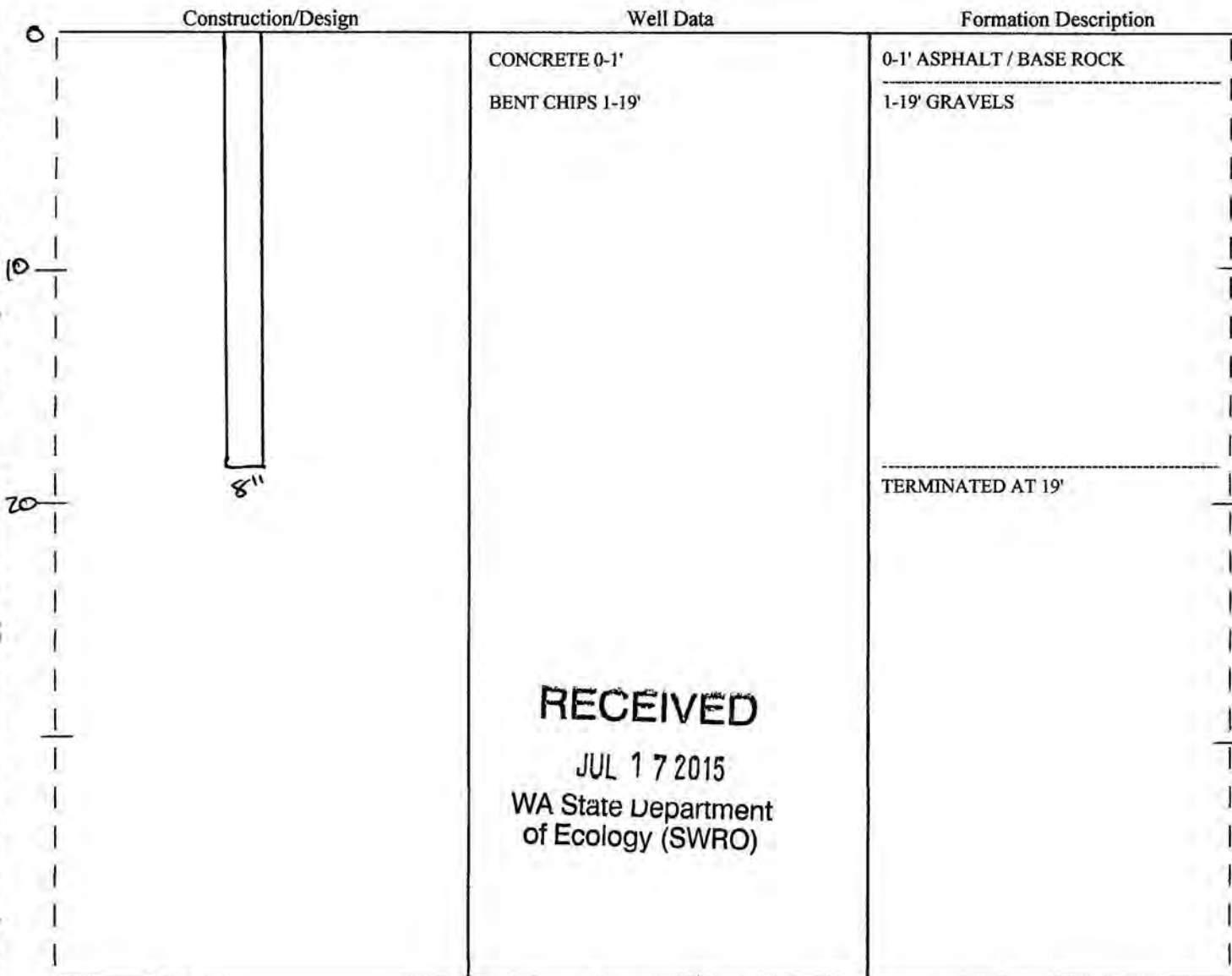
Cased or Uncased Diameter 8" Static Level \_\_\_\_\_

Work/Decommission Start Date 6/9/15

Work/Decommission Completed Date 6/9/15

If trainee, licensed driller's Signature and License No. 2593

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report



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 JUL 17 2015  
 WA State Department  
 of Ecology (SWRO)

# RESOURCE PROTECTION WELL REPORT

CURRENT Notice of Intent No. AE 32369

(SUBMIT ONE WELL REPORT PER WELL INSTALLED)

Construction/Decommission (select one)

- Construction  
 Decommission ORIGINAL INSTALLATION Notice  
of Intent Number SE 55037

Type of Well (select one)

- Resource Protection  
 Geotech Soil Boring

Consulting Firm TERRACON

Property Owner C/O TERRACON

Unique Ecology Well ID \_\_\_\_\_

Site Address 610 ESTHER ST.

Tag No. B-4

City VANCOUVER County CLARK

Location SW 1/4-1/4 NW 1/4 Sec 27 Twn 2 R 1 Select One  EWM  WWM

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.

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

Driller  Engineer  Trainee Name (Print) FRANKLIN LUNDIN  
Driller/Engineer/Trainee Signature \_\_\_\_\_  
Driller or Trainee License No. 2593

Tax Parcel No. \_\_\_\_\_

Cased or Uncased Diameter 8" Static Level \_\_\_\_\_

If trainee, licensed driller's Signature and License No. 2593

Work/Decommission Start Date 6/9/15

Work/Decommission Completed Date 6/9/15

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report

Construction/Design	Well Data	Formation Description
	<p>CONCRETE 0-1'  BENT CHIPS 1-19'</p>	<p>0-1' ASPHALT / BASE ROCK  1-19' GRAVELS</p> <p>TERMINATED AT 19'</p>

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JUL 17 2015  
WA State Department  
of Ecology (SWRO)

Please print, sign and return to the Department of Ecology

# RESOURCE PROTECTION WELL REPORT

CURRENT Notice of Intent No. SE51745

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:

83

Consulting Firm AMEC Environmental

Unique Ecology Well IDTag No. none

Property Owner DBG, LLC

Site Address W 15<sup>th</sup> Street & W Mill Plain Blvd

City Vancouver

County Clark

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) Flaherty, Scott  
 Driller/Engineer /Trainee Signature [Signature]  
 Driller or Trainee License No. 3118

Location SE1/4-1/4 NE1/4 Sec 51 Twn 2N R 1E

EWM  or WWM

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

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

Tax Parcel No. \_\_\_\_\_

Cased or Uncased Diameter 2.25 Static Level \_\_\_\_\_

Work/Decommission Start Date 6/13/2014

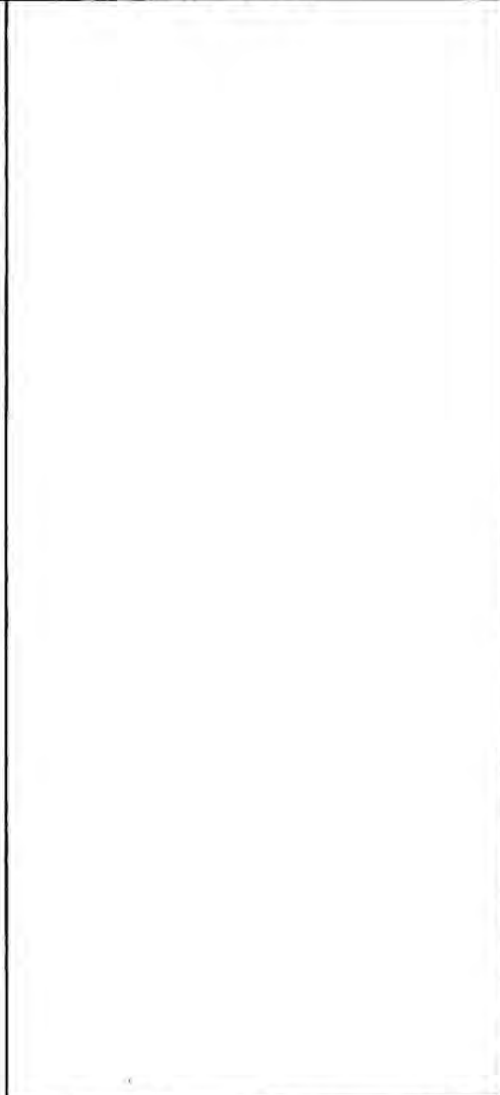
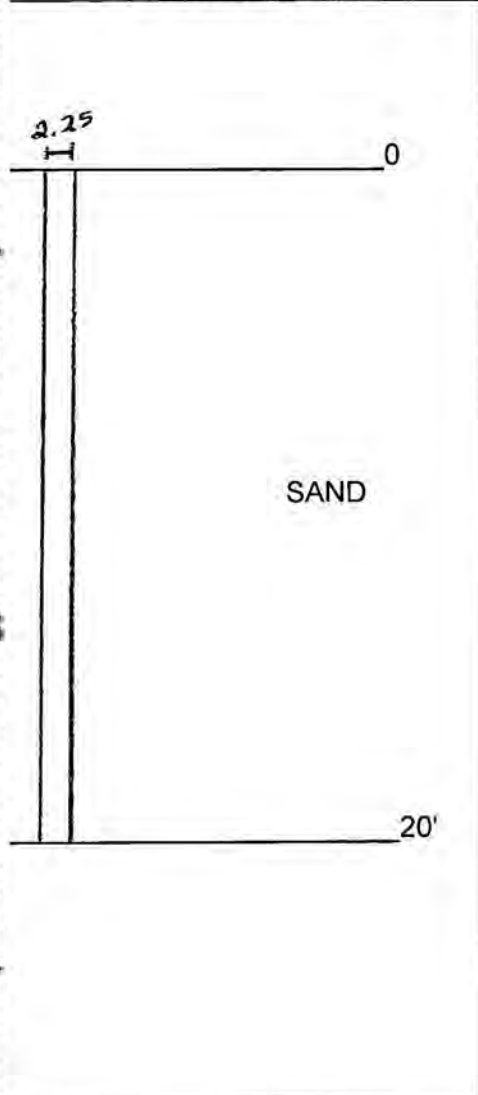
Work/Decommission Completed Date 6/13/2014

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

### Construction Design

### Well Data

### Formation Description



0 - 20' SAND

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 JUL 28 2014  
 WA State Department  
 of Ecology (SWRO)

The Department of Ecology does NOT warrant the Data and/or the Information on this Well Report

Please print, sign and return to the Department of Ecology

# RESOURCE PROTECTION WELL REPORT

CURRENT Notice of Intent No. SE51745

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: 81

Consulting Firm AMEC Environmental  
Unique Ecology Well IDTag No. none

Property Owner DBG. LLC  
Site Address W 15<sup>th</sup> Street & W Mill Plain Blvd  
City Vancouver County Clark

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.

Location SE1/4-1/4 NE1/4 Sec 51 TwN 2N R 1E  
EWM  or WWM   
Lat/Long (s, t, r) Lat Deg \_\_\_\_\_ Min \_\_\_\_\_ Sec \_\_\_\_\_  
still REQUIRED) Long Deg \_\_\_\_\_ Min \_\_\_\_\_ Sec \_\_\_\_\_

Driller  Engineer  Trainee  
Name (Print Last, First Name) Flaherty, Scott  
Driller/Engineer /Trainee Signature [Signature]  
Driller or Trainee License No. 3118

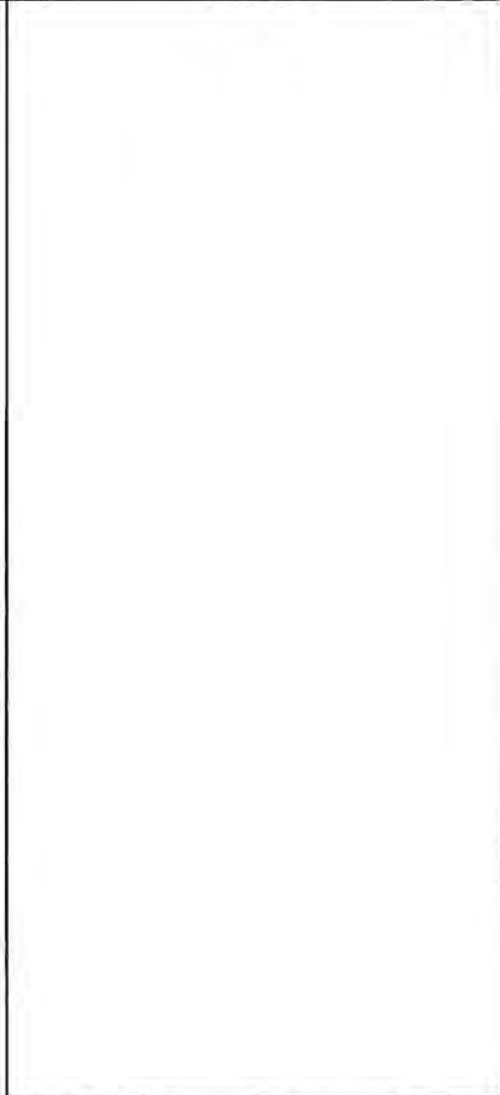
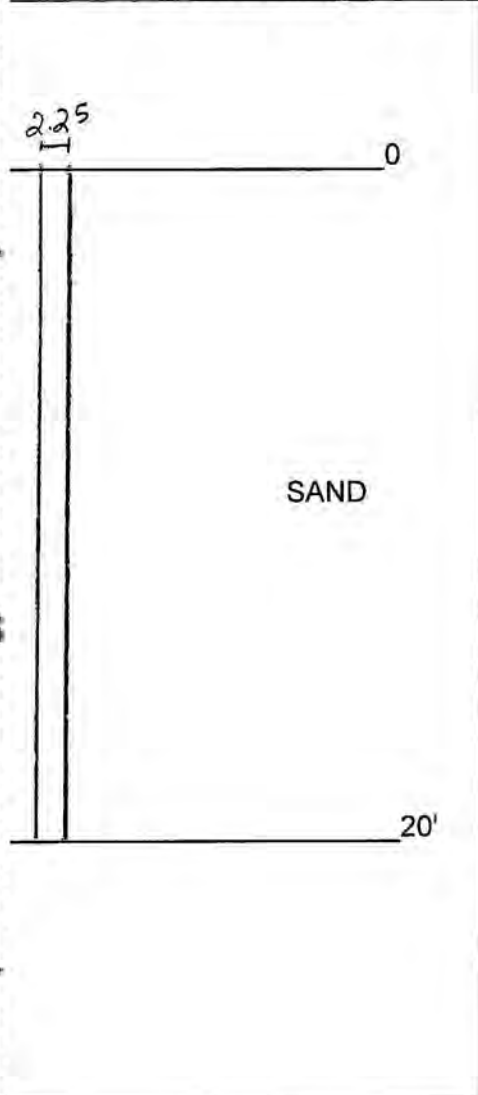
Tax Parcel No. \_\_\_\_\_  
Cased or Uncased Diameter 2.25 Static Level \_\_\_\_\_  
Work/Decommission Start Date 6/13/2014  
Work/Decommission Completed Date 6/13/2014

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

### Construction Design

### Well Data

### Formation Description



The Department of Ecology does NOT warrant the Data and/or the Information on this Well Report

Please print, sign and return to the Department of Ecology

# RESOURCE PROTECTION WELL REPORT

CURRENT Notice of Intent No. AE27267

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:

ES1745 **B3**

Consulting Firm AMEC Environmental

Unique Ecology Well IDTag No. none

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) Flaherty, Scott  
 Driller/Engineer /Trainee Signature   
 Driller or Trainee License No. 3118

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

Property Owner DBG, LLC

Site Address W 15<sup>th</sup> Street & W Mill Plain Blvd

City Vancouver County Clark

Location SE1/4-1/4 NE1/4 Sec 51 Twn 2N R 1E

EWM  or WWM

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

Tax Parcel No. \_\_\_\_\_

Cased or Uncased Diameter 2.25 Static Level \_\_\_\_\_

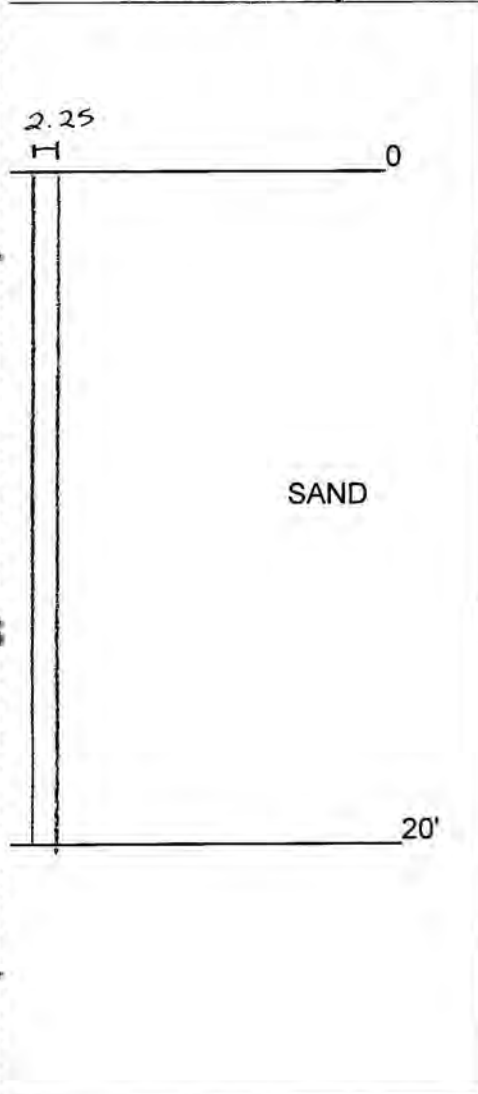
Work/Decommission Start Date 6/13/2014

Work/Decommission Completed Date 6/13/2014

### Construction Design

### Well Data

### Formation Description



Decommission by filling with bentonite chips to the surface.

0 - 20' SAND

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JUL 28 2014

WA State Department of Ecology (SWRO)

The Department of Ecology does NOT warrant the Data and/or the Information on this Well Report



Please print, sign and return to the Department of Ecology

# RESOURCE PROTECTION WELL REPORT

CURRENT Notice of Intent No. SE51745

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:

B2

Consulting Firm AMEC Environmental

Unique Ecology Well IDTag No. none

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) Flaherty, Scott

Driller/Engineer /Trainee Signature [Signature]

Driller or Trainee License No. 3118

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

Property Owner DBG, LLC

Site Address W 15<sup>th</sup> Street & W Mill Plain Blvd

City Vancouver

County Clark

Location SE1/4-1/4 NE1/4 Sec 51 Twn 2N R 1E

EWM  or WWM

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

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

Tax Parcel No. \_\_\_\_\_

Cased or Uncased Diameter 2.25 Static Level \_\_\_\_\_

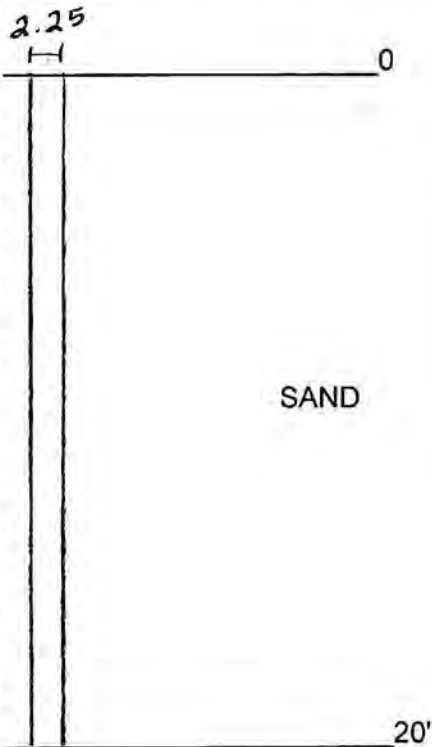
Work/Decommission Start Date 6/13/2014

Work/Decommission Completed Date 6/13/2014

### Construction Design

### Well Data

### Formation Description



0 - 20' SAND

**RECEIVED**

JUL 28 2014

WA State Department of Ecology (SWRO)

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Please print, sign and return to the Department of Ecology

# RESOURCE PROTECTION WELL REPORT

CURRENT Notice of Intent No. AE27267

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:

E51745 B2

Consulting Firm AMEC Environmental

Unique Ecology Well IDTag No. none

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) Elaherty, Scott  
 Driller/Engineer /Trainee Signature [Signature]  
 Driller or Trainee License No. 3118

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

Property Owner DBG, LLC

Site Address W 15<sup>th</sup> Street & W Mill Plain Blvd

City Vancouver County Clark

Location SE1/4-1/4 NE1/4 Sec 51 Twn 2N R 1E

EWM  or WWM

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

Tax Parcel No. \_\_\_\_\_

Cased or Uncased Diameter 2.25 Static Level \_\_\_\_\_

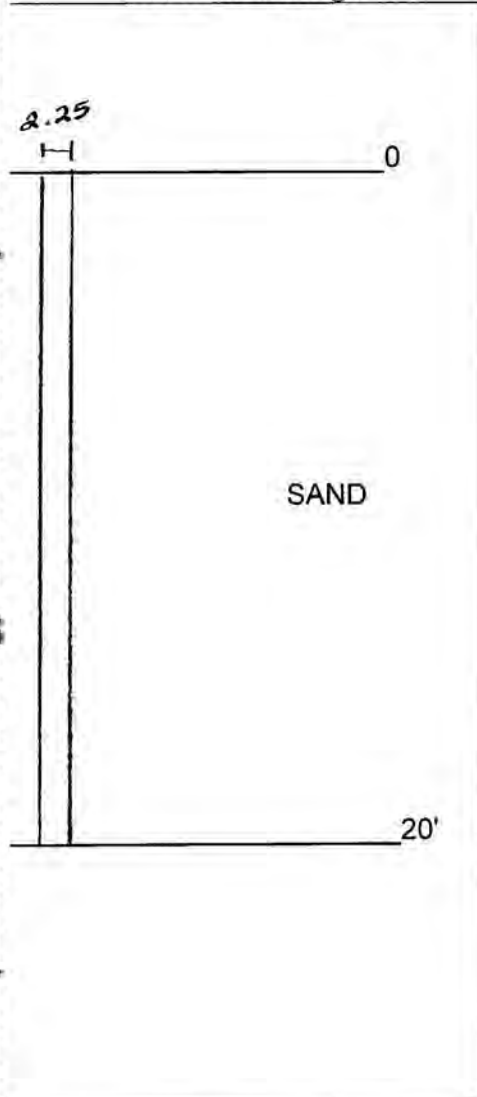
Work/Decommission Start Date 6/13/2014

Work/Decommission Completed Date 6/13/2014

### Construction Design

### Well Data

### Formation Description



Decommission by filling with bentonite chips to the surface.

0 - 20' SAND

**RECEIVED**

JUL 28 2014

WA State Department of Ecology (SWRO)

The Department of Ecology does NOT warrant the Data and/or the Information on this Well Report

Please print, sign and return to the Department of Ecology

# RESOURCE PROTECTION WELL REPORT

CURRENT Notice of Intent No. AE27267

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:

E51745 81

Consulting Firm AMEC Environmental

Unique Ecology Well IDTag No. none

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) Flaherty, Scott

Driller/Engineer /Trainee Signature [Signature]

Driller or Trainee License No. 3118

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

Property Owner DBG, LLC

Site Address W 15<sup>th</sup> Street & W Mill Plain Blvd

City Vancouver County Clark

Location SE1/4-1/4 NE1/4 Sec 51 Twn 2N R 1E

EWM  or WWM

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

Tax Parcel No. \_\_\_\_\_

Cased or Uncased Diameter 2.25 Static Level \_\_\_\_\_

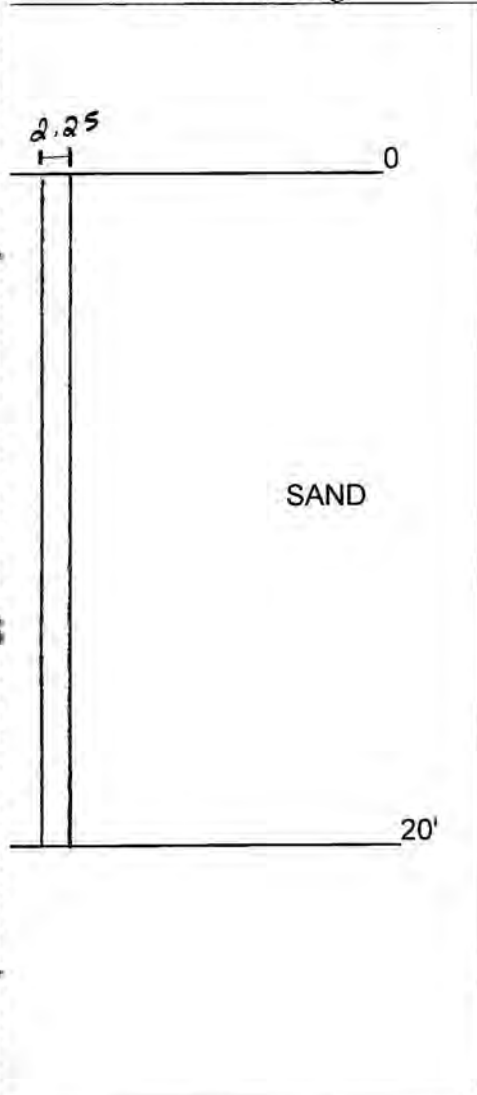
Work/Decommission Start Date 6/13/2014

Work/Decommission Completed Date 6/13/2014

### Construction Design

### Well Data

### Formation Description



Decommission by filling with bentonite chips to the surface.

0 - 20' SAND

**RECEIVED**

JUL 28 2014

WA State Department of Ecology (SWRO)

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

# RESOURCE PROTECTION WELL REPORT

START CARD NO. 501414

PROJECT NAME: HIDDEN OFFICE BUILDING  
 WELL IDENTIFICATION NO. B-1  
 DRILLING METHOD: HOLLOW STEM AUGER  
 DRILLER: CURTIS ENLERS  
 FIRM: PSL  
 SIGNATURE: Curtis Enlers  
 CONSULTING FIRM: PSL  
 REPRESENTATIVE: CURTIS ENLERS

COUNTY: CLARK  
 LOCATION: NE 1/4 NW 1/4 Sec 27 Twn 2N R 1E  
 STREET ADDRESS OF WELL: S.W. CORNER OF N.O 15TH SE + COLUMBIA STREET, VANCOUVER, WA  
 WATER LEVEL ELEVATION: NO GROUNDWATER  
 GROUND SURFACE ELEVATION: 80'  
 INSTALLED: 7-13-99  
 DEVELOPED: \_\_\_\_\_

AS-BUILT	WELL DATA	FORMATION DESCRIPTION
BORING ABANDONED USING GRANULAR BENTONITE	6 1/4" OD HOLLOW STEM AUGER	ASPHALT + BASE ROCK LIGHT BROWN SNOPY SILT BROWN GRAY SAND GRAVELLY SAND - BROWN SANDY GRAVEL - BROWN
	T.D. 16.5	RECEIVED JUL 26 1999 [Signature]

SCALE: 1" = 5'

PAGE 1 OF 1

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

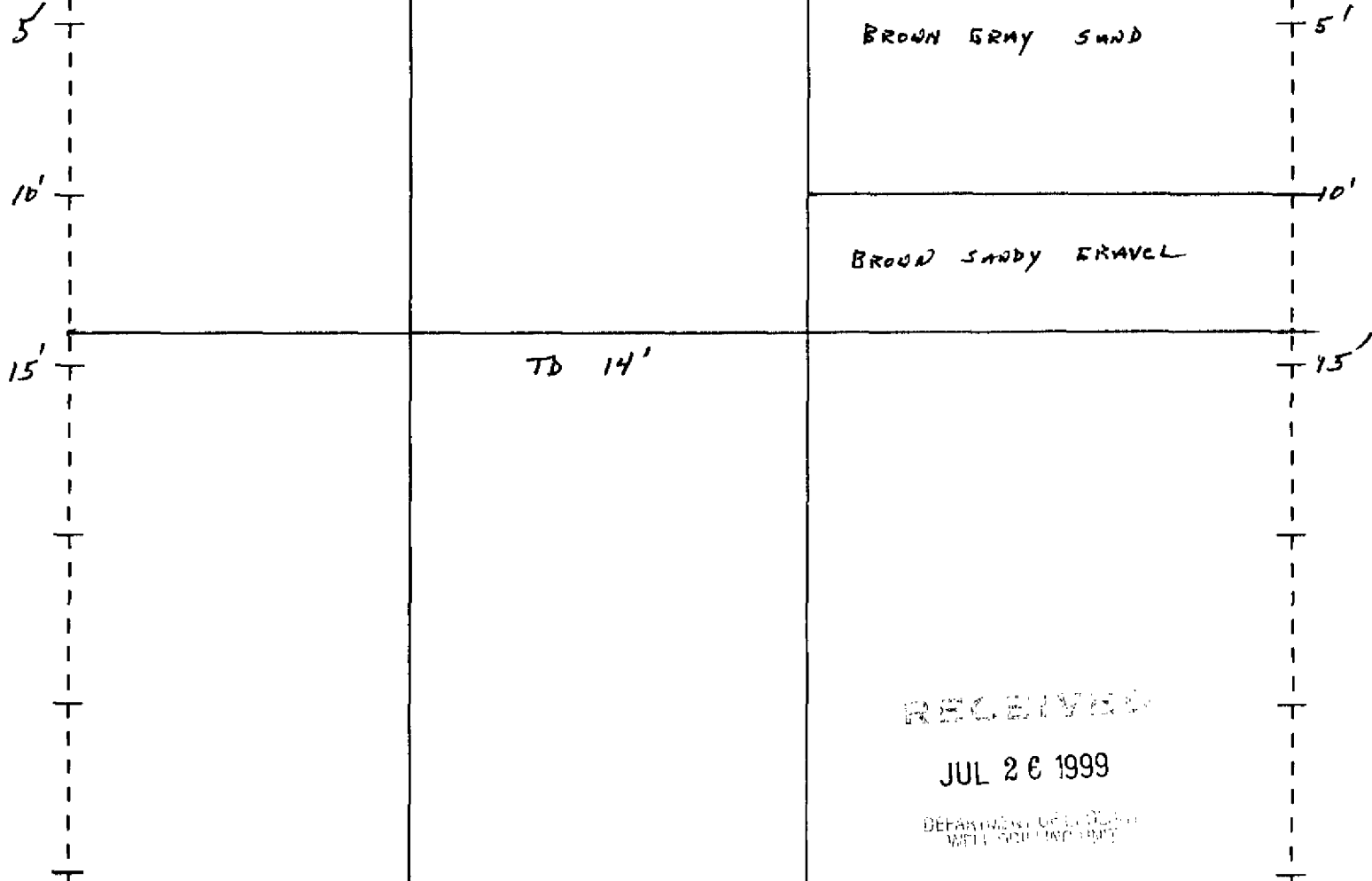
# RESOURCE PROTECTION WELL REPORT

START CARD NO. 501414

PROJECT NAME: HIDDEN OFFICE BUILDING  
 WELL IDENTIFICATION NO. B-2  
 DRILLING METHOD: HOLLOW STEM AUGER  
 DRILLER: CURTIS EHLERS  
 FIRM: PSL  
 SIGNATURE: Curtis Ehlers  
 CONSULTING FIRM: PSL  
 REPRESENTATIVE: CURTIS EHLERS

COUNTY: CLARK  
 LOCATION: NE 1/4 NW 1/4 Sec 27 Twn 2N R 1E  
 STREET ADDRESS OF WELL: S.W. CORNER NW 15TH ST & COLUMBIA ST. VANCOUVER, WA  
 WATER LEVEL ELEVATION: NO GROUNDWATER  
 GROUND SURFACE ELEVATION: 80'  
 INSTALLED: 7-13-99  
 DEVELOPED: \_\_\_\_\_

AS-BUILT	WELL DATA	FORMATION DESCRIPTION
BORING ABANDONED USING GRANULAR BEDSTONE	6 1/4" OD HOLLOW STEM AUGER	ASPHALT & BASE ROCK LIGHT BROWN SANDY SILT BROWN GRAY SAND
	TD 14'	BROWN SANDY GRAVEL



RECEIVED  
 JUL 26 1999  
 DEPARTMENT OF ECOLOGY  
 WELL REGULATORY

SCALE: 1" = 5'

PAGE 1 OF 1

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

# RESOURCE PROTECTION WELL REPORT

START CARD NO. 50144

PROJECT NAME: HIDDEN OFFICE BUILDING  
 WELL IDENTIFICATION NO. R-3  
 DRILLING METHOD: HOLLOW STEM AUGER  
 DRILLER: CURTIS EHLERS  
 FIRM: PSC  
 SIGNATURE: Curtis Ehlers  
 CONSULTING FIRM: PSC  
 REPRESENTATIVE: CURTIS EHLERS

COUNTY: CLARK  
 LOCATION: NW 1/4 NW 1/4 Sec 27 Twn 2N R 1E  
 STREET ADDRESS OF WELL: SW CORNER NW 15TH ST + COLUMBIA STREET VANCOUVER, WA  
 WATER LEVEL ELEVATION: NO GROUNDWATER  
 GROUND SURFACE ELEVATION: 90'  
 INSTALLED: 07-14-99  
 DEVELOPED: \_\_\_\_\_

AS-BUILT	WELL DATA	FORMATION DESCRIPTION
BORING ABANDONED USING GRANULAR BENTONITE	6 1/4" OD HOLLOW STEM AUGER	ASPHALT + BASE ROCK
		LIGHT BROWN SANDY SILT
		REC'D JUL 26 1999 DEPT. OF ECOLOGY WELL LOG DIVISION BROWN GRAY SAND
		BENSE GRAVEL
	TD 26.5'	

SCALE: 1" = 5'

PAGE 1 OF 1

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

## RESOURCE PROTECTION WELL REPORT

START CARD NO. SO1414

PROJECT NAME: HIDDEN OFFICE BUILDING  
 WELL IDENTIFICATION NO. B-4  
 DRILLING METHOD: HOLLOW STEM AUGER  
 DRILLER: CURTIS REHLERS  
 FIRM: PSL  
 SIGNATURE: Curtis Ehlers  
 CONSULTING FIRM: PSL  
 REPRESENTATIVE: CURTIS REHLERS

COUNTY: CLATSOP  
 LOCATION: NE 1/4 NW 1/4 Sec 27 Twn 2N R 1E  
 STREET ADDRESS OF WELL: SW CORNER 14th St  
 COLUMBIA ST., VANCOUVER, WA  
 WATER LEVEL ELEVATION: NO GROUNDWATER  
 GROUND SURFACE ELEVATION: \_\_\_\_\_  
 INSTALLED: 7-14-99  
 DEVELOPED: \_\_\_\_\_

AS-BUILT	WELL DATA	FORMATION DESCRIPTION
BORING ABANDONED USING GRANULAR BENTONITE	6 1/4" OD HOLLOW STEM AUGER	ASPHALT + BASE ROCK
		BROWN SILTY SAND
		TAN/BROWN SAND RECORDED JUL 26 1999 DEPARTMENT OF ECOLOGY METERS CORNER GRAY SAND
TB 21.5'		

SCALE: 1" = 5'

PAGE 1 OF 1

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

Job Number: XL-3604-H  
Boring: CRC-TR-43-12

Please print, sign and return to the Department of Ecology

# RESOURCE PROTECTION WELL REPORT

CURRENT Notice of Intent No. SE46821/AE19858

(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

475179

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

Property Owner WSDOT

Consulting Firm WSDOT

Site Address Vic. Of W. 16th and Main

Unique Ecology Well IDTag No. \_\_\_\_\_

City \_\_\_\_\_ County Clark

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.

Location NE 1/4-1/4 NW 1/4 Sec 27 Twn 2N R. \_\_\_\_\_

EWM  or WWM

Driller  Engineer  Trainee  
 Name (Print Last, First Name) Sanders, Ryan  
 Driller/Engineer /Trainee Signature [Signature]  
 Driller or Trainee License No. 2935

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

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

Tax Parcel No. \_\_\_\_\_

Cased or Uncased Diameter 4" Static Level 26.7'

Work/Decommission Start Date 12/11/2012

Work/Decommission Completed Date 12/11/2012

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

Construction Design	Well Data	Formation Description
		0 - 12 ft Sand with silt 12 - 24 ft Gravel with sand and silt 24 - 30.5 ft Sand with gravel

**RECEIVED**  
 JAN 16 2013  
 WA State Department  
 of Ecology (SWRO)

Boring was backfilled with bentonite hole plug to surface.



The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

Job Number: XL-3604-H  
Boring: CRC-TR-43-12

Please print, sign and return to the Department of Ecology

# RESOURCE PROTECTION WELL REPORT

CURRENT Notice of Intent No. SE46821/AE19858

(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

475178

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

Consulting Firm WSDOT

Unique Ecology Well IDTag No. \_\_\_\_\_

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) Sanders, Ryan  
 Driller/Engineer /Trainee Signature [Signature]  
 Driller or Trainee License No. 2935

Property Owner WSDOT

Site Address Vic. Of W. 16th and Main

City \_\_\_\_\_ County Clark

Location NE 1/4-1/4 NW 1/4 Sec 27 Twn 2N R \_\_\_\_\_

EWM  or WWM

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

Tax Parcel No. \_\_\_\_\_

Cased or Uncased Diameter 4" Static Level 26.7'

Work/Decommission Start Date 12/11/2012

Work/Decommission Completed Date 12/11/2012

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

Construction Design	Well Data	Formation Description
		0 - 12 ft Sand with silt
		12 - 24 ft Gravel with sand and silt
		24 - 30.5 ft Sand with gravel

**RECEIVED**  
 JAN 10 2013  
 WA State Department  
 of Ecology (SWRO)

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

Job Number: XL-3604-H  
Boring: CRC-TR-40-12

Please print, sign and return to the Department of Ecology

### RESOURCE PROTECTION WELL REPORT

CURRENT Notice of Intent No. SE-46821/AE-19858

(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

475180

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

Property Owner WSDOT

Consulting Firm WSDOT

Site Address Vic of W 16th and Main

Unique Ecology Well IDTag No. \_\_\_\_\_

City \_\_\_\_\_ County Clark

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.

Location NE 1/4-1/4 NW 1/4 Sec 27 Twn 2 N R 1

EWM  or WWM

Driller  Engineer  Trainee  
Name (Print Last, First Name) Nelson, Brad

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

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

Driller/Engineer /Trainee Signature [Signature]

Tax Parcel No. \_\_\_\_\_

Driller or Trainee License No. 2969

Cased or Uncased Diameter 4" Static Level 7"

Work/Decommission Start Date 12/12/2012

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

Work/Decommission Completed Date 12/12/2012

Construction Design	Well Data	Formation Description
		0 - 0.3 ft Pavement
		0.3 - 19 ft Sand with silt
		19 - 34 ft Sand
		34 - 36 ft Sand with silt
Boring was backfilled with bentonite hole plug to surface.		

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WA State Department of Ecology (SWRO)

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

Job Number: XL-3604-H  
Boring: CRC-TR-42-12

Please print, sign and return to the Department of Ecology

# RESOURCE PROTECTION WELL REPORT

CURRENT Notice of Intent No. SE46821/AE19858

(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

475181

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

Property Owner WSDOT

Consulting Firm WSDOT

Site Address Vic. Of W. 16th and Main

Unique Ecology Well IDTag No. \_\_\_\_\_

City \_\_\_\_\_ County Clark

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.

Location NE 1/4-1/4 NW 1/4 Sec 27 Twn 2N R 1

EWM  or WWM

Driller  Engineer  Trainee  
 Name (Print Last, First Name) Sanders, Ryan  
 Driller/Engineer /Trainee Signature [Signature]  
 Driller or Trainee License No. 2935

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

Tax Parcel No. \_\_\_\_\_

Cased or Uncased Diameter 4" Static Level 24.3'

Work/Decommission Start Date 12/10/2012

Work/Decommission Completed Date 12/10/2012

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

Construction Design	Well Data	Formation Description
<p>Boring was backfilled with bentonite hole plug to surface.</p>		0 - 0.7 ft Pavement
		0.7 - 4.5 ft Gravel with sand and silt
		4.5 - 18 ft Sand with silt
		18 - 29.5 ft Sand with gravel

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WA State Department of Ecology (SWRO)

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

Job Number: XL-3604-11  
 Boring: CRC-TR-41-12

Please print, sign and return to the Department of Ecology

**RESOURCE PROTECTION WELL REPORT**

**CURRENT Notice of Intent No.** SE-46821/AE-19858

(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

475182

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

Property Owner WSDOT

Consulting Firm WSDOT

Site Address Vic of W16th and Main

Unique Ecology Well IDTag No. \_\_\_\_\_

City \_\_\_\_\_ County Clark

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.

Location NE 1/4-1/4 NW 1/4 Sec 27 Twn 2 N R 1

EWM  or WWM

- Driller  Engineer  Trainee

Name (Print Last, First Name) Nelson, Brad

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

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

Driller/Engineer /Trainee Signature [Signature]

Tax Parcel No. \_\_\_\_\_

Driller or Trainee License No. 2969

Cased or Uncased Diameter 4" Static Level 8"

Work/Decommission Start Date 12/12/2012

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

Work/Decommission Completed Date 12/12/2012

Construction Design	Well Data	Formation Description
<p>Boring was backfilled with bentonite hole plug to surface.</p>		<p>0 - 0.8 ft Pavement            0.8 - 4 ft Sand with silt            4 - 7 ft Gravel with sand and silt            7 - 27 ft Sand with silt            27 - 31 ft Sand with gravel</p>

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JAN 16 2013

WA State Department of Ecology (SWRO)

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

Job Number: XL-3604-H  
Boring: CRC-TR-40-12

Please print, sign and return to the Department of Ecology

# RESOURCE PROTECTION WELL REPORT

CURRENT Notice of Intent No. SE-46821/AE-19858

(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

475183

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

Property Owner WSDOT

Consulting Firm WSDOT

Site Address Vic of W 16th and Main

Unique Ecology Well IDTag No. \_\_\_\_\_

City \_\_\_\_\_ County Clark

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.

Location NE 1/4-1/4 NW 1/4 Sec 27 Twn 2 N R 1

EWM  or WWM

Driller  Engineer  Trainee

Name (Print Last, First Name) Nelson, Brad

Driller/Engineer /Trainee Signature [Signature]

Driller or Trainee License No. 2969

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

still REQUIRED)

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

Tax Parcel No. \_\_\_\_\_

Cased or Uncased Diameter 4" Static Level 7'

Work/Decommission Start Date 12/12/2012

Work/Decommission Completed Date 12/12/2012

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

Construction Design	Well Data	Formation Description
		0 - 0.3 ft Pavement
		0.3 - 19 ft Sand with silt
		19 - 34 ft Sand
		34 - 36 ft Sand with silt

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WA State Department of Ecology (SWRO)

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

Job Number: XL-3604-H  
Boring: CRC-TR-42-12

Please print, sign and return to the Department of Ecology

### RESOURCE PROTECTION WELL REPORT

CURRENT Notice of Intent No. SE46821/AE19858

(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

475184

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

Property Owner WSDOT

Consulting Firm WSDOT

Site Address Vic. Of W. 16th and Main

Unique Ecology Well IDTag No. \_\_\_\_\_

City \_\_\_\_\_ County Clark

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.

Location NE 1/4-1/4 NW 1/4 Sec 27 Twn 2N R 1

EWM  or WWM

Driller  Engineer  Trainee  
 Name (Print Last, First Name) Sanders, Ryan  
 Driller/Engineer /Trainee Signature [Signature]  
 Driller or Trainee License No. 2935

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

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

Tax Parcel No. \_\_\_\_\_

Cased or Uncased Diameter 4" Static Level 24.3'

Work/Decommission Start Date 12/10/2012

Work/Decommission Completed Date 12/10/2012

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

Construction Design	Well Data	Formation Description
		0 - 0.7 ft Pavement
		0.7 - 4.5 ft Gravel with sand and silt
		4.5 - 18 ft Sand with silt
		18 - 29.5 ft Sand with gravel

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JAN 16 2013

WA State Department of Ecology (SWRO)

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

Job Number: XL-3604- H  
Boring: CRC-TR-41-12

Please print, sign and return to the Department of Ecology

# RESOURCE PROTECTION WELL REPORT

CURRENT Notice of Intent No. SE-46821/AE-19858

(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

475185

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

Property Owner WSDOT

Consulting Firm WSDOT

Site Address Vic of W16th and Main

Unique Ecology Well IDTag No. \_\_\_\_\_

City \_\_\_\_\_ County Clark

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.

Location NE 1/4-1/4 NW 1/4 Sec 27 Twn 2 N R 1

EWM  or WWM

Driller  Engineer  Trainee  
Name (Print Last, First Name) Nelson, Brad

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

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

Driller/Engineer /Trainee Signature [Signature]

Tax Parcel No. \_\_\_\_\_

Driller or Trainee License No. 2969

Cased or Uncased Diameter 4" Static Level 8'

Work/Decommission Start Date 12/12/2012

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

Work/Decommission Completed Date 12/12/2012

Construction Design	Well Data	Formation Description
		0 - 0.8 ft Pavement
		0.8 - 4 ft Sand with silt
		4 - 7 ft Gravel with sand and silt
		7 - 27 ft Sand with silt
		27 - 31 ft Sand with gravel

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WA State Department of Ecology (SWRO)

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Please print, sign and return to the Department of Ecology

# RESOURCE PROTECTION WELL REPORT

CURRENT Notice of Intent No. EE04652

(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

498717

ORIGINAL INSTALLATION Notice of Intent Number:

Property Owner Josephine Martens

Site Address 1700-1708 Main St

Consulting Firm Terracon

City Vancouver County Clark

Unique Ecology Well IDTag No. N/A

Location NW 1/4-1/4 NE 1/4 Sec 27 Twn 2N R1E

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.

EWM  or WWM

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

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

Tax Parcel No. \_\_\_\_\_

- Driller
- Engineer
- Trainee

Name (Print Last, First Name) Chalona Marc

Driller/Engineer /Trainee Signature [Signature]

Driller or Trainee License No. 3000

Cased or Uncased Diameter 2 1/4" Static Level N/A

Work/Decommission Start Date 8/2/13

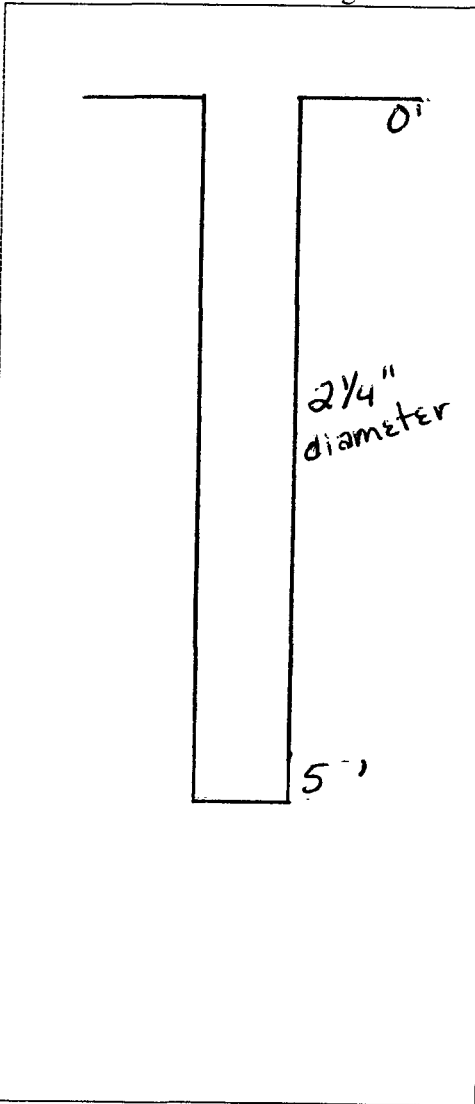
Work/Decommission Completed Date 8/2/13

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

Construction Design

Well Data EB-6

Formation Description



Boring pushed to 5' depth  
 Boring diameter 2 1/4"  
 Soil only, NO water sample

0-3" Asphalt  
 3"-5' sand with silt

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WA State Department of Ecology (SWRO)

SCALE: 1"= 1.5' PAGE 1 OF 1



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Please print, sign and return to the Department of Ecology

# RESOURCE PROTECTION WELL REPORT

CURRENT Notice of Intent No. EE04652

(SUBMIT ONE WELL REPORT PER WELL INSTALLED)

Construction/Decommission ("x" in box)

- Construction
- Decommission

Type of Well ("x" in box) 498804

- Resource Protection
- Geotech Soil Boring

ORIGINAL INSTALLATION Notice of Intent Number:

Property Owner Josephine Martens

Site Address 1700-1708 Main St

Consulting Firm Terracon

City Vancouver County Clark

Unique Ecology Well IDTag No. N/A

Location NW 1/4-1/4 NE 1/4 Sec 27 Twn 2N R1E

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.

EWM  or WWM

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

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

Driller  Engineer  Trainee

Name (Print Last, First Name) Chalona Marc

Driller/Engineer/Trainee Signature [Signature]

Driller or Trainee License No. 3000

Tax Parcel No. \_\_\_\_\_

Cased or Uncased Diameter 2 1/4" Static Level N/A

Work/Decommission Start Date 8/2/13

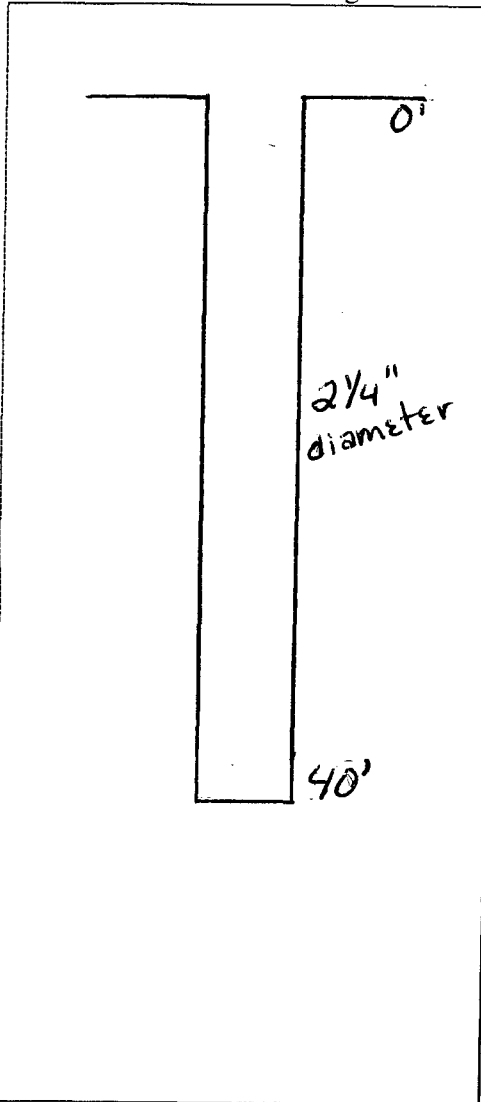
Work/Decommission Completed Date 8/2/13

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

### Construction Design

### Well Data EB-1

### Formation Description



Boring pushed to 40' depth  
 Boring diameter 2 1/4"  
 Soil only, NO water sample

0-3" Asphalt  
 3"-5' sand with silt  
 5'-12.5' sand w/gravel  
 12.5-20' sand  
 20'-25' sandy silt  
 25'-35' sand  
 35'-40' sand w/gravel

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WA State Department of Ecology (SWRO)

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

Please print, sign and return to the Department of Ecology

# RESOURCE PROTECTION WELL REPORT

CURRENT Notice of Intent No. AE23048

(SUBMIT ONE WELL REPORT PER WELL INSTALLED)

Construction/Decommission ("x" in box)

- Construction
- Decommission

Type of Well ("x" in box) 498805

- Resource Protection
- Geotech Soil Boring

ORIGINAL INSTALLATION Notice of Intent Number:

EE04652

Property Owner Josephine martens

Site Address 700-1708 main st

Consulting Firm TERRACON

City Vancouver County Clark

Unique Ecology Well ID Tag No. N/A

Location NW 1/4-1/4 NE 1/4 Sec 27 Twn 2N R 1E

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.

EWM  or WWM

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

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

Driller  Engineer  Trainee

Name (Print Last, First Name) Chalona, Marc

Tax Parcel No. \_\_\_\_\_

Driller/Engineer/Trainee Signature [Signature]

Cased or Uncased Diameter 2 1/4" Static Level N/A

Driller or Trainee License No. 3000

Work/Decommission Start Date 8/2/13

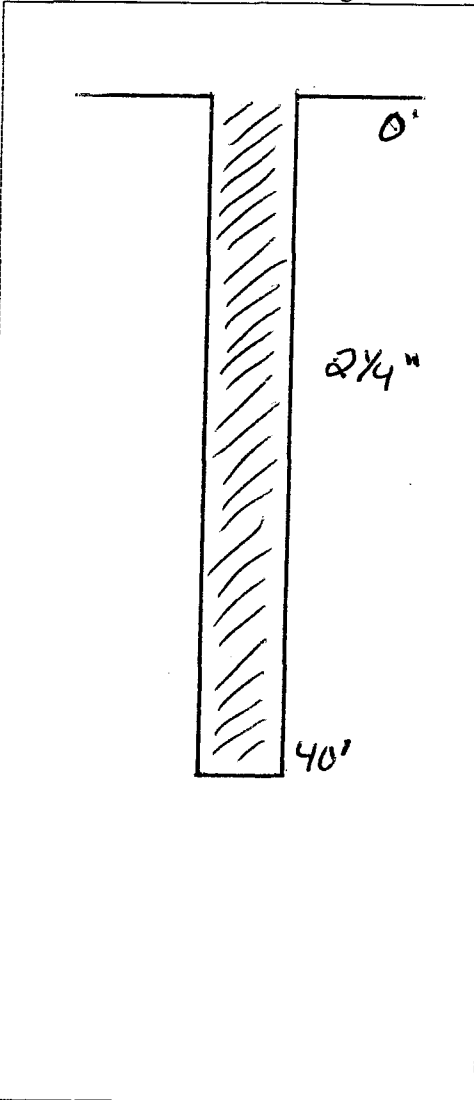
Work/Decommission Completed Date 8/2/13

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

Construction Design

Well Data EB-1

Formation Description



Backfill boring with bentonite from 40' - 1'

Restore surface Asphalt/gravel 0-1'

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WA State Department of Ecology (SWRO)

The Department of Ecology does NOT Warrant the Data and/or the Information on this Well Report.

Please print, sign and return to the Department of Ecology

# RESOURCE PROTECTION WELL REPORT

CURRENT Notice of Intent No. EE04652

(SUBMIT ONE WELL REPORT PER WELL INSTALLED)

Construction/Decommission ("x" in box)

- Construction
- Decommission

Type of Well ("x" in box) 498805

- Resource Protection
- Geotech Soil Boring

ORIGINAL INSTALLATION Notice of Intent Number:

Consulting Firm Terracon

Unique Ecology Well ID Tag No. N/A

Property Owner Josephine Martens

Site Address 1700-1708 Main St

City Vancouver County Clark

Location NW 1/4-1/4 NE 1/4 Sec 27 Twn 2N R 1E

EWM  or WWM

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.

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

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

Driller  Engineer  Trainee

Name (Print Last, First Name) Chalona Marc

Driller/Engineer/Trainee Signature Marc Chalona

Driller or Trainee License No. 3000

Tax Parcel No. \_\_\_\_\_

Cased or Uncased Diameter 2 1/4" Static Level N/A

Work/Decommission Start Date 8/2/13

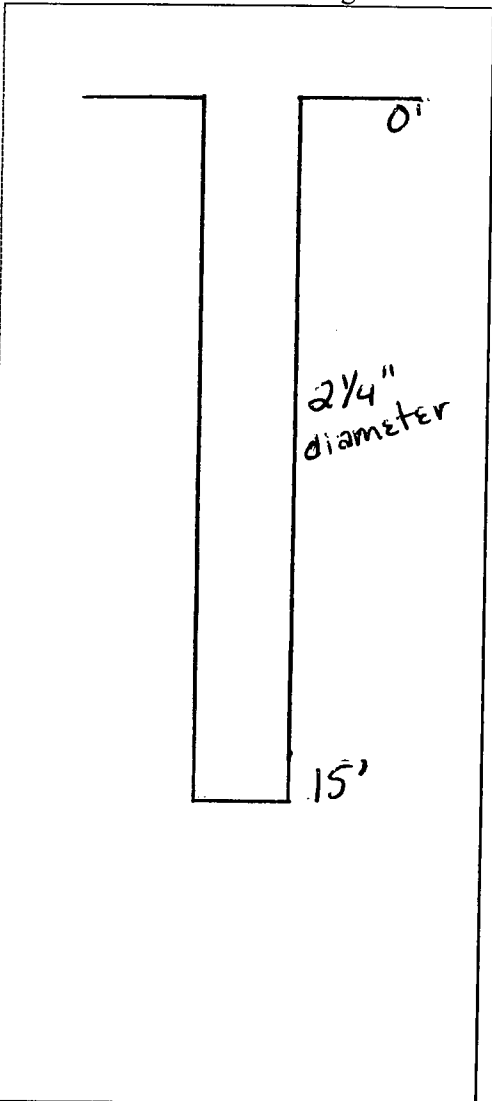
Work/Decommission Completed Date 8/2/13

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

### Construction Design

### Well Data EB-2

### Formation Description



Boring pushed to 15' depth  
 Boring diameter 2 1/4"

Soil only, NO water sample

0-3" Asphalt  
 3"-5' sand with silt.  
 5'-15' sand w/gravel.

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WA State Department of Ecology (SWRO)

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

Please print, sign and return to the Department of Ecology

# RESOURCE PROTECTION WELL REPORT

CURRENT Notice of Intent No. EE04652

(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

498719

ORIGINAL INSTALLATION Notice of Intent Number:

Consulting Firm Terracon

Unique Ecology Well IDTag No. N/A

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) Chalona Marc  
 Driller/Engineer /Trainee Signature Marc Chal  
 Driller or Trainee License No. 3000

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

Property Owner Josephine Martens

Site Address 1700-1708 Main St

City Vancouver County Clark

Location NW 1/4-1/4 NE 1/4 Sec 27 Twn 2N R1E

EWM  or WWM

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

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

Tax Parcel No. \_\_\_\_\_

Cased or Uncased Diameter 2 1/4" Static Level N/A

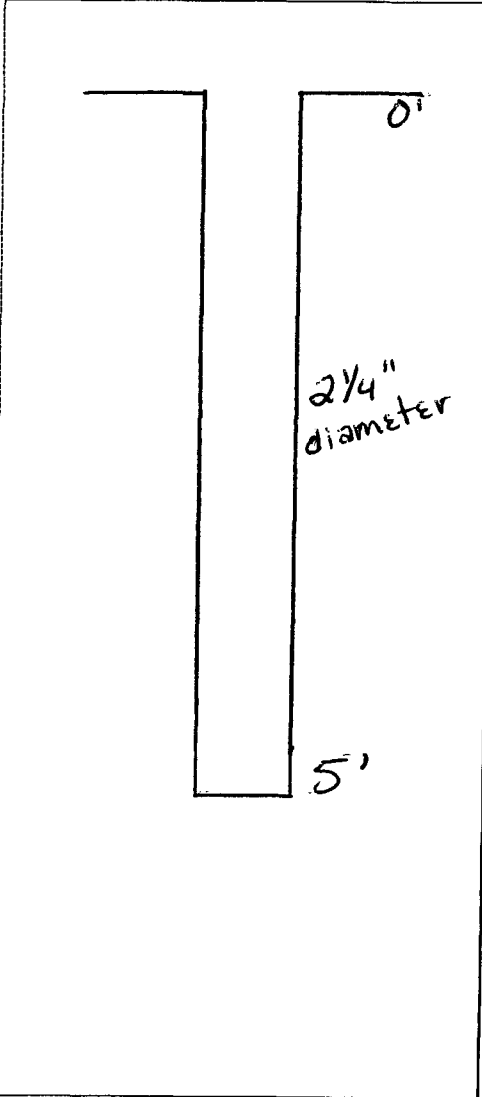
Work/Decommission Start Date 8/2/13

Work/Decommission Completed Date 8/2/13

### Construction Design

### Well Data EB-7

### Formation Description



Boring pushed to 5' depth  
 Boring diameter 2 1/4"  
 Soil only, NO water sample

0-3" Asphalt  
 3"-5' sand with silt.

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NOV 27 2013  
WA State Department of Ecology (SWRO)

The Department of Ecology does NOT Warrant the Data and/or the Information on this Well Report.

Please print, sign and return to the Department of Ecology

# RESOURCE PROTECTION WELL REPORT

CURRENT Notice of Intent No. AE23048

(SUBMIT ONE WELL REPORT PER WELL INSTALLED)

Construction/Decommission ("x" in box)

- Construction
- Decommission

Type of Well ("x" in box)

- Resource Protection 498 721
- Geotech Soil Boring

ORIGINAL INSTALLATION Notice of Intent Number:

EE04652

Consulting Firm Terracon

Unique Ecology Well IDTag No. N/A

Property Owner Josephine martens

Site Address 1700-1708 main st

City Vancouver County Clark

Location NW 1/4-1/4 NE 1/4 Sec 27 Twn 2N R 1E

EWM  or WWM

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

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

Tax Parcel No. \_\_\_\_\_

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) Chalona, Marc

Driller/Engineer /Trainee Signature Marc Chalona

Driller or Trainee License No. 3000

Cased or Uncased Diameter 2 1/4" Static Level N/A

Work/Decommission Start Date 8/2/13

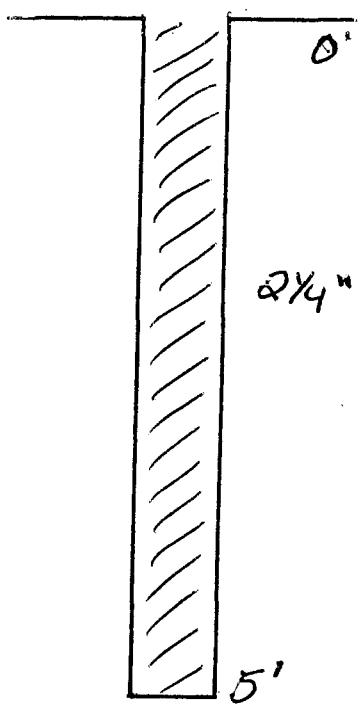
Work/Decommission Completed Date 8/2/13

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

Construction Design

Well Data EB-7

Formation Description



Backfill boring with bentonite from 5' - 1'

Restore surface Asphalt/gravel 0-1'

**RECEIVED**

NOV 27 2013

WA State Department of Ecology (SWRO)

SCALE: 1" = 1.5 PAGE 1 OF 1

The Department of Ecology does NOT Warrant the Data and/or the Information on this Well Report.

Please print, sign and return to the Department of Ecology

# RESOURCE PROTECTION WELL REPORT

CURRENT Notice of Intent No. EE04652

(SUBMIT ONE WELL REPORT PER WELL INSTALLED)

Construction/Decommission ("x" in box)

- Construction
- Decommission

Type of Well ("x" in box) 498710

- Resource Protection
- Geotech Soil Boring

ORIGINAL INSTALLATION Notice of Intent Number:

Consulting Firm TERRACON

Unique Ecology Well IDTag No. N/A

Property Owner Josephine Martens

Site Address 1700-1708 Main St

City Vancouver County Clark

Location NW 1/4-1/4 NE 1/4 Sec 27 Twn 2N R1E

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.

EWM  or WWM

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

Driller  Engineer  Trainee  
 Name (Print Last, First Name) Chalona Marc  
 Driller/Engineer/Trainee Signature Marc Chal  
 Driller or Trainee License No. 3000

Tax Parcel No. \_\_\_\_\_

Cased or Uncased Diameter 2 1/4" Static Level N/A

Work/Decommission Start Date 8/2/13

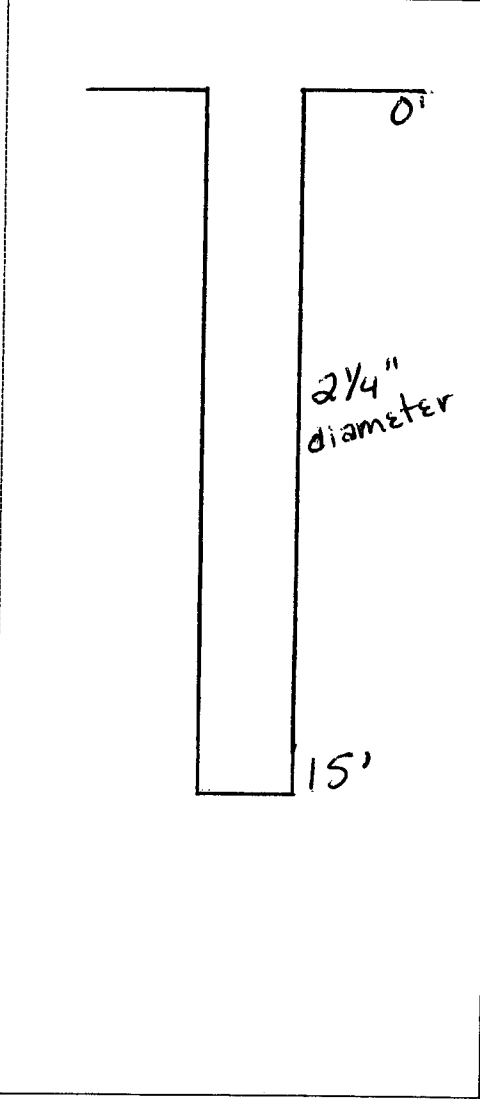
Work/Decommission Completed Date 8/2/13

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

### Construction Design

### Well Data EB-3

### Formation Description



Boring pushed to 15' depth  
 Boring diameter 2 1/4"  
 Soil only, NO water sample

0-3" Asphalt  
 3"-5' sand with silt.  
 5'-15 sand w/ gravel

## RECEIVED

NOV 27 2013  
 WA State Department  
 of Ecology (SWRO)

P3222-7970

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

Please print, sign and return to the Department of Ecology

# RESOURCE PROTECTION WELL REPORT

CURRENT Notice of Intent No. AE23048

(SUBMIT ONE WELL REPORT PER WELL INSTALLED)

Construction/Decommission ("x" in box)

- Construction
- Decommission

Type of Well ("x" in box) 498711

- Resource Protection
- Geotech Soil Boring

ORIGINAL INSTALLATION Notice of Intent Number: EE04652

Consulting Firm TERRACON

Unique Ecology Well IDTag No. N/A

Property Owner Josephine martens

Site Address 1700-1708 main st

City Vancouver County Clark

Location NW 1/4-1/4 NE 1/4 Sec 27 Twn 2N R 1E

EWM  or WWM

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

Tax Parcel No. \_\_\_\_\_

Cased or Uncased Diameter 2 1/4" Static Level N/A

Work/Decommission Start Date 8/2/13

Work/Decommission Completed Date 8/2/13

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.

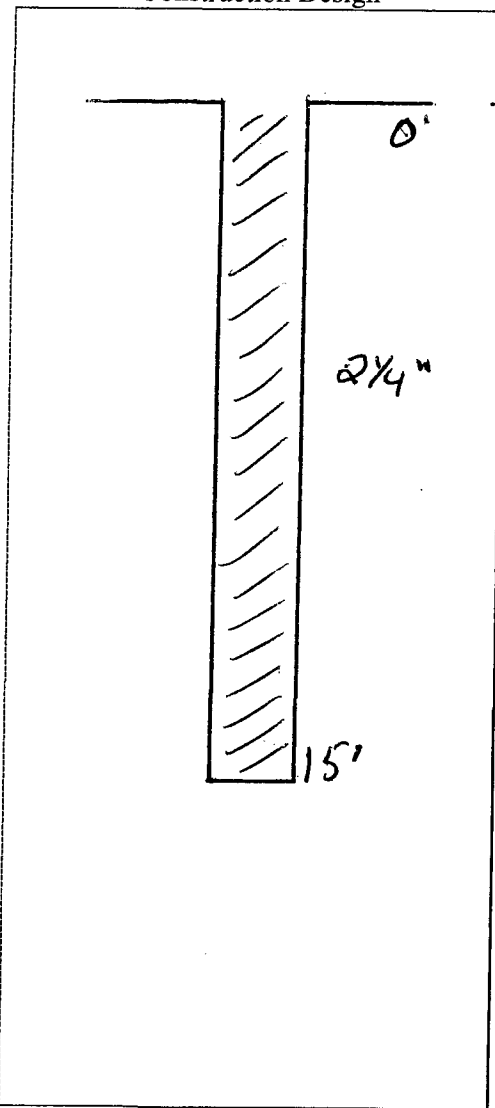
Driller  Engineer  Trainee  
 Name (Print Last, First Name) Chalona, Marc  
 Driller/Engineer/Trainee Signature Marc Chalona  
 Driller or Trainee License No. 3000

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

### Construction Design

### Well Data EB-3

### Formation Description



Backfill boring with bentonite from 15' - 1'

Restore surface Asphalt/gravel 0-1'

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SCALE: 1"= 5' PAGE 1 OF 1

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# RESOURCE PROTECTION WELL REPORT

CURRENT Notice of Intent No. EE04652

(SUBMIT ONE WELL REPORT PER WELL INSTALLED)

Construction/Decommission ("x" in box)

- Construction
- Decommission

Type of Well ("x" in box) 498714

- Resource Protection
- Geotech Soil Boring

ORIGINAL INSTALLATION Notice of Intent Number:

Consulting Firm TERRACON

Unique Ecology Well IDTag No. N/A

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) Chalona Marc  
 Driller/Engineer /Trainee Signature Marc Chalona  
 Driller or Trainee License No. 3000

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

Property Owner Josephine Martens

Site Address 1700-1708 Main St

City Vancouver County Clark

Location NW 1/4-1/4 NE 1/4 Sec 27 Twn 2N R1E

EWM  or WWM

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

Tax Parcel No. \_\_\_\_\_

Cased or Uncased Diameter 2 1/4" Static Level N/A

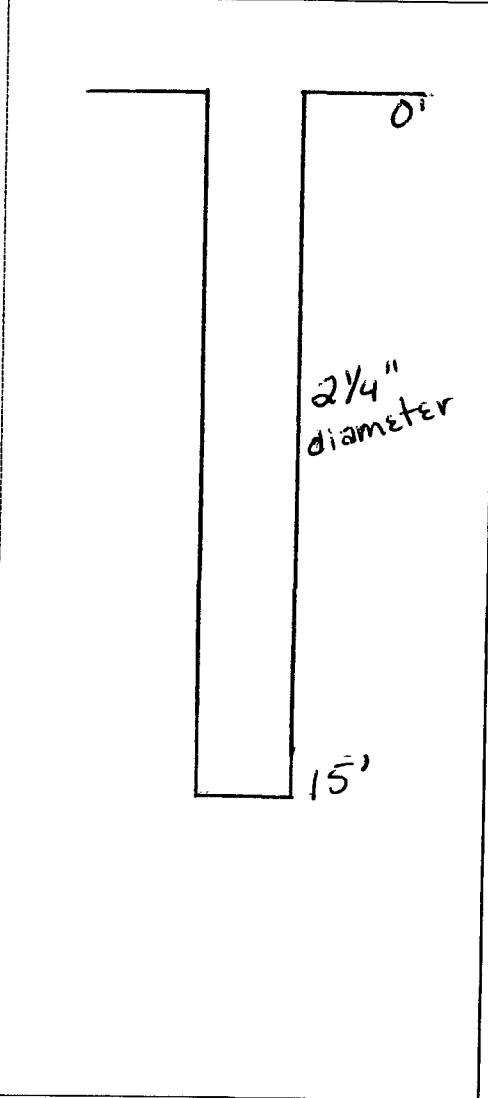
Work/Decommission Start Date 8/2/13

Work/Decommission Completed Date 8/2/13

### Construction Design

### Well Data EB-5

### Formation Description



Boring pushed to 15' depth  
 Boring diameter 2 1/4"  
 Soil only, NO water sample

0-3" Asphalt  
 3"-5' sand with silt  
 5'-15' sand w/gravel

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# RESOURCE PROTECTION WELL REPORT

CURRENT Notice of Intent No. AE23048

(SUBMIT ONE WELL REPORT PER WELL INSTALLED)

Construction/Decommission ("x" in box)

- Construction
- Decommission

Type of Well ("x" in box) 498716

- Resource Protection
- Geotech Soil Boring

ORIGINAL INSTALLATION Notice of Intent Number:

EE04652

Consulting Firm TERRACON

Unique Ecology Well IDTag No. N/A

Property Owner Josephine martens

Site Address 1700-1708 main st

City Vancouver County Clark

Location NW 1/4-1/4 NE 1/4 Sec 27 Twn 2N R 1E

EWM  or WWM

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

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

Tax Parcel No. \_\_\_\_\_

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) Chalona, Marc

Driller/Engineer /Trainee Signature Marc Chalona

Driller or Trainee License No. 3000

Cased or Uncased Diameter 2 1/4" Static Level N/A

Work/Decommission Start Date 8/2/13

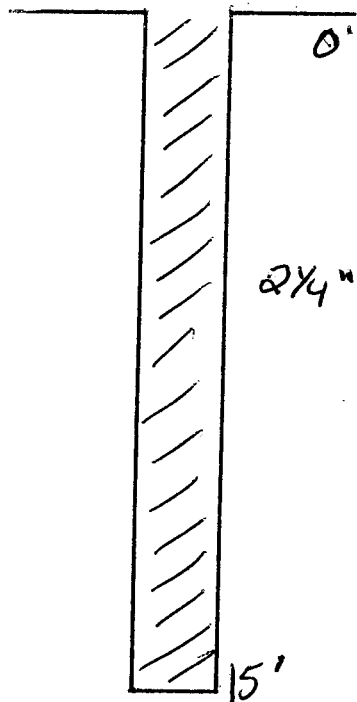
Work/Decommission Completed Date 8/2/13

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

Construction Design

Well Data EB-5

Formation Description



Backfill boring with bentonite from 15' - 1'

Restore surface Asphalt/gravel 0-1'

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# RESOURCE PROTECTION WELL REPORT

CURRENT Notice of Intent No. EE04652

(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

498715

ORIGINAL INSTALLATION Notice of Intent Number:

Property Owner Josephine Martens

Site Address 1700-1708 Main St

City Vancouver County Clark

Location NW 1/4-1/4 NE 1/4 Sec 27 Twn 2N R1E

EWM  or WWM

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

Tax Parcel No. \_\_\_\_\_

Cased or Uncased Diameter 2 1/4" Static Level N/A

Work/Decommission Start Date 8/2/13

Work/Decommission Completed Date 8/2/13

Consulting Firm Terracon

Unique Ecology Well IDTag No. N/A

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) Chalona Marc

Driller/Engineer /Trainee Signature Marc Chalona

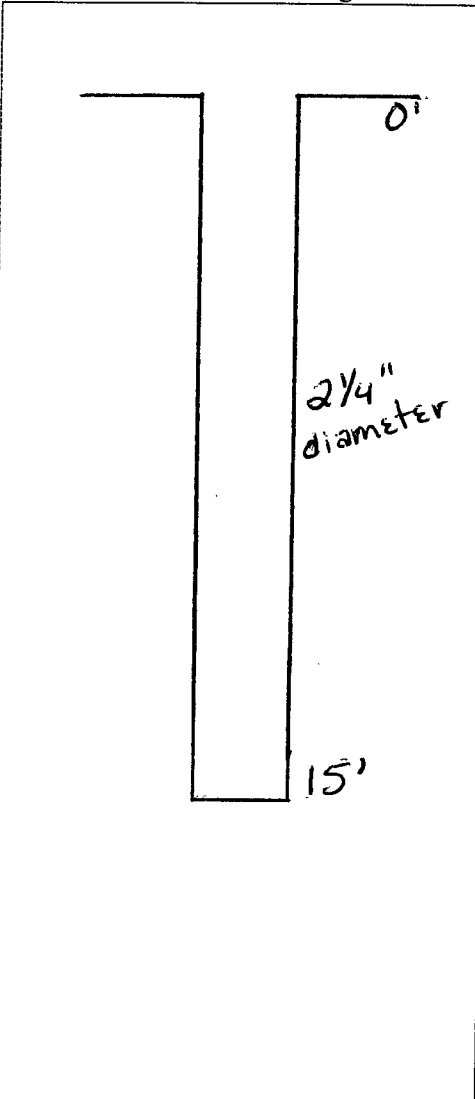
Driller or Trainee License No. 3000

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

### Construction Design

### Well Data E13-4

### Formation Description



Boring pushed to 15' depth  
 Boring diameter 2 1/4"  
 Soil only, NO water sample

0-3" Asphalt  
 3"-5' sand with silt  
 5'-15' sand w/ silt

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# RESOURCE PROTECTION WELL REPORT

CURRENT Notice of Intent No. AE23048

(SUBMIT ONE WELL REPORT PER WELL INSTALLED)

Construction/Decommission ("x" in box)

- Construction
- Decommission

Type of Well ("x" in box) 498713

- Resource Protection
- Geotech Soil Boring

ORIGINAL INSTALLATION Notice of Intent Number:

EE04652

Property Owner Josephine martens

Site Address 1700-1708 main st

City Vancouver County Clark

Location NW 1/4-1/4 NE 1/4 Sec 27 Twn 2N R 1E

EWM  or WWM

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

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

Tax Parcel No. \_\_\_\_\_

Cased or Uncased Diameter 2 1/4" Static Level N/A

Work/Decommission Start Date 8/2/13

Work/Decommission Completed Date 8/2/13

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) Chalona, Marc

Driller/Engineer /Trainee Signature Marc Chalona

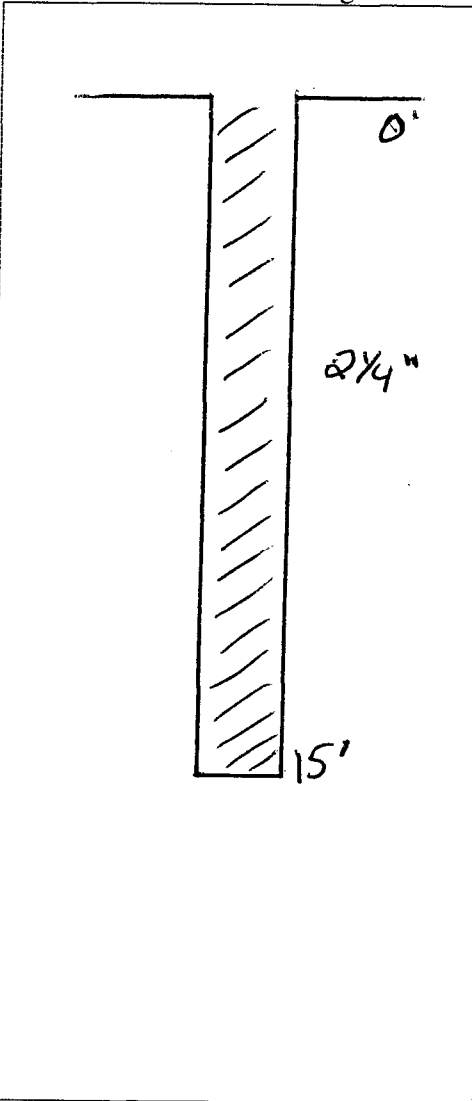
Driller or Trainee License No. 3000

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

Construction Design

Well Data EB-4

Formation Description



Backfill boring with bentonite from 15' - 1'

Restore surface Asphalt/gravel 0-1'

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SCALE: 1"= 5' PAGE 1 OF 1

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# RESOURCE PROTECTION WELL REPORT

CURRENT Notice of Intent No. EE04652

(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

498723

ORIGINAL INSTALLATION Notice of Intent Number:

Property Owner Josephine Martens

Site Address 1700-1708 Main St

City Vancouver County Clark

Location NW 1/4-1/4 NE 1/4 Sec 27 Twn 2N R1E

EWM  or WWM

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

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

Tax Parcel No. \_\_\_\_\_

Cased or Uncased Diameter 2 1/4" Static Level N/A

Work/Decommission Start Date 8/2/13

Work/Decommission Completed Date 8/2/13

Consulting Firm Terracon

Unique Ecology Well IDTag No. N/A

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) Chalona Marc

Driller/Engineer /Trainee Signature Marc Chalona

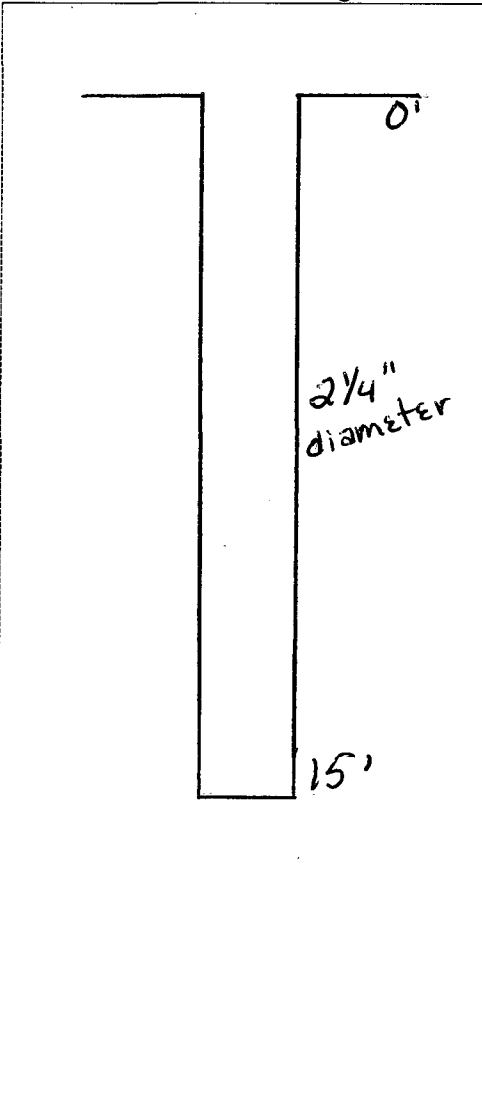
Driller or Trainee License No. 3000

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

Construction Design

Well Data EB-15

Formation Description



Boring pushed to 15' depth  
 Boring diameter 2 1/4"  
 Soil only, NO water sample

0-3" Asphalt  
 3"-5' sand with silt  
 5'-15' sand w/silt

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SCALE: 1"= 5' PAGE 1 OF 1

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# RESOURCE PROTECTION WELL REPORT

CURRENT Notice of Intent No. AE23048

(SUBMIT ONE WELL REPORT PER WELL INSTALLED)

Construction/Decommission ("x" in box)

- Construction
- Decommission

Type of Well ("x" in box) 498709

- Resource Protection
- Geotech Soil Boring

ORIGINAL INSTALLATION Notice of Intent Number:  
EE04052

Consulting Firm TERRACON  
 Unique Ecology Well IDTag No. N/A

Property Owner Josephine martens  
 Site Address 1700-1708 main st  
 City Vancouver County Clark  
 Location NW 1/4-1/4 NE 1/4 Sec 27 Twn 2N R 1E

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.

EWM  or WWM   
 Lat/Long (s, t, r still REQUIRED) Lat Deg \_\_\_\_\_ Min \_\_\_\_\_ Sec \_\_\_\_\_  
 Long Deg \_\_\_\_\_ Min \_\_\_\_\_ Sec \_\_\_\_\_  
 Tax Parcel No. \_\_\_\_\_

Driller  Engineer  Trainee  
 Name (Print Last, First Name) Chalona, Marc  
 Driller/Engineer /Trainee Signature Marc Chalona  
 Driller or Trainee License No. 3000

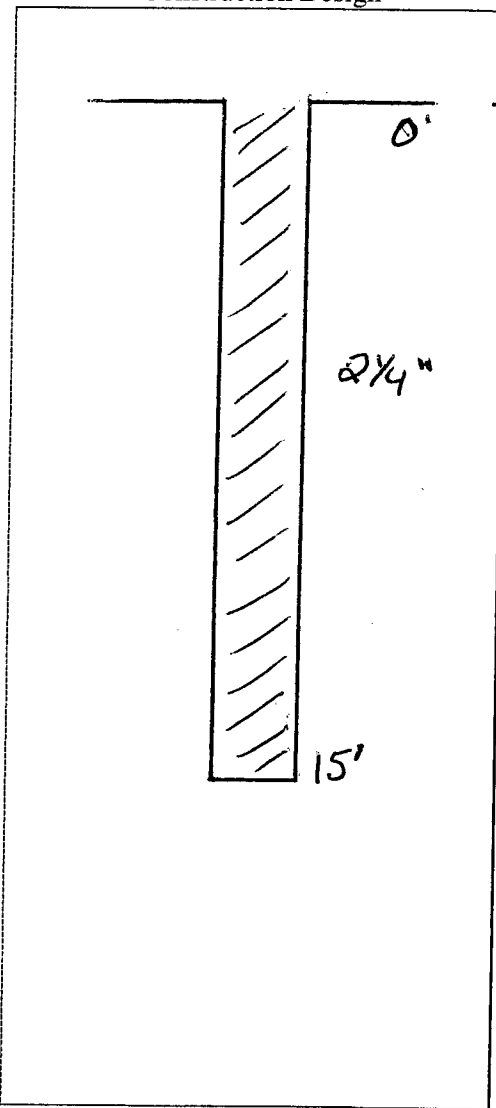
Cased or Uncased Diameter 2 1/4" Static Level N/A  
 Work/Decommission Start Date 8/2/13  
 Work/Decommission Completed Date 8/2/13

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

Construction Design

Well Data EB-2

Formation Description



Backfill boring with bentonite from 15' - 1'

Restore surface Asphalt/gravel 0-1'

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SCALE: 1"= 5' PAGE 1 OF 1

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# RESOURCE PROTECTION WELL REPORT

CURRENT Notice of Intent No. AE23048

(SUBMIT ONE WELL REPORT PER WELL INSTALLED)

Construction/Decommission ("x" in box)

- Construction
- Decommission

Type of Well ("x" in box)

- Resource Protection 498718
- Geotech Soil Boring

ORIGINAL INSTALLATION Notice of Intent Number:

EE04652

Consulting Firm TERRACON

Unique Ecology Well IDTag No. N/A

Property Owner Josephine martens

Site Address 1700-1708 main st

City Vancouver County Clark

Location NW 1/4-1/4 NE 1/4 Sec 27 Twn 2N R 1E

EWM  or WWM

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

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

Tax Parcel No. \_\_\_\_\_

Cased or Uncased Diameter 2 1/4" Static Level N/A

Work/Decommission Start Date 8/2/13

Work/Decommission Completed Date 8/2/13

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) Chalona, Marc

Driller/Engineer /Trainee Signature Marc Chalona

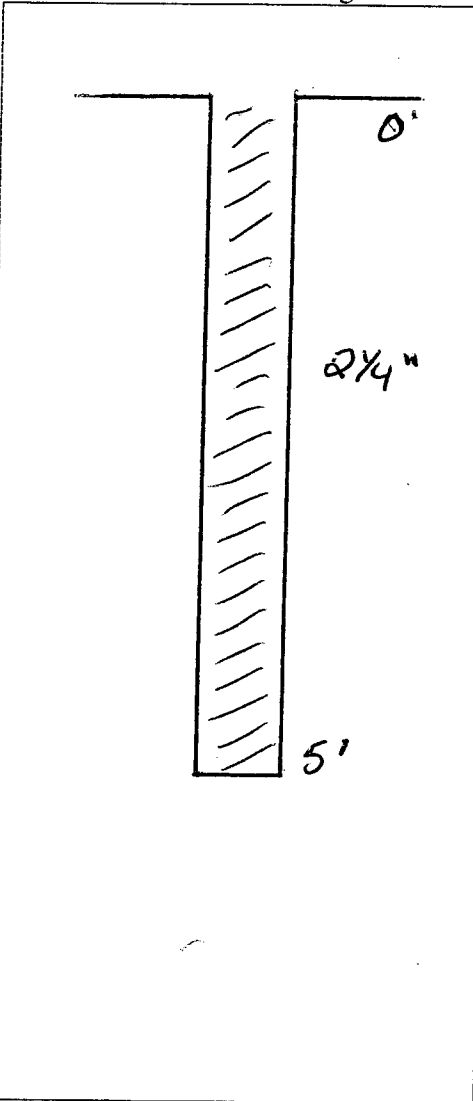
Driller or Trainee License No. 3000

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

Construction Design

Well Data EB-6

Formation Description



Backfill boring with bentonite from 5' - 1'

Restore surface Asphalt/gravel 0-1'

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# RESOURCE PROTECTION WELL REPORT

CURRENT Notice of Intent No. AE23048

(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

498768

ORIGINAL INSTALLATION Notice of Intent Number:

EE04652

Property Owner Josephine martens

Site Address 1700-1708 main st

Consulting Firm TERRACON

City Vancouver County Clark

Unique Ecology Well IDTag No. N/A

Location NW 1/4-1/4 NE 1/4 Sec 27 Twn 2N R 1E

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.

EWM  or WWM

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

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

Tax Parcel No. \_\_\_\_\_

- Driller
- Engineer
- Trainee

Name (Print Last, First Name) Chalona, Marc

Driller/Engineer /Trainee Signature Marc Chalona

Driller or Trainee License No. 3000

Cased or Uncased Diameter 2 1/4" Static Level N/A

Work/Decommission Start Date 8/2/13

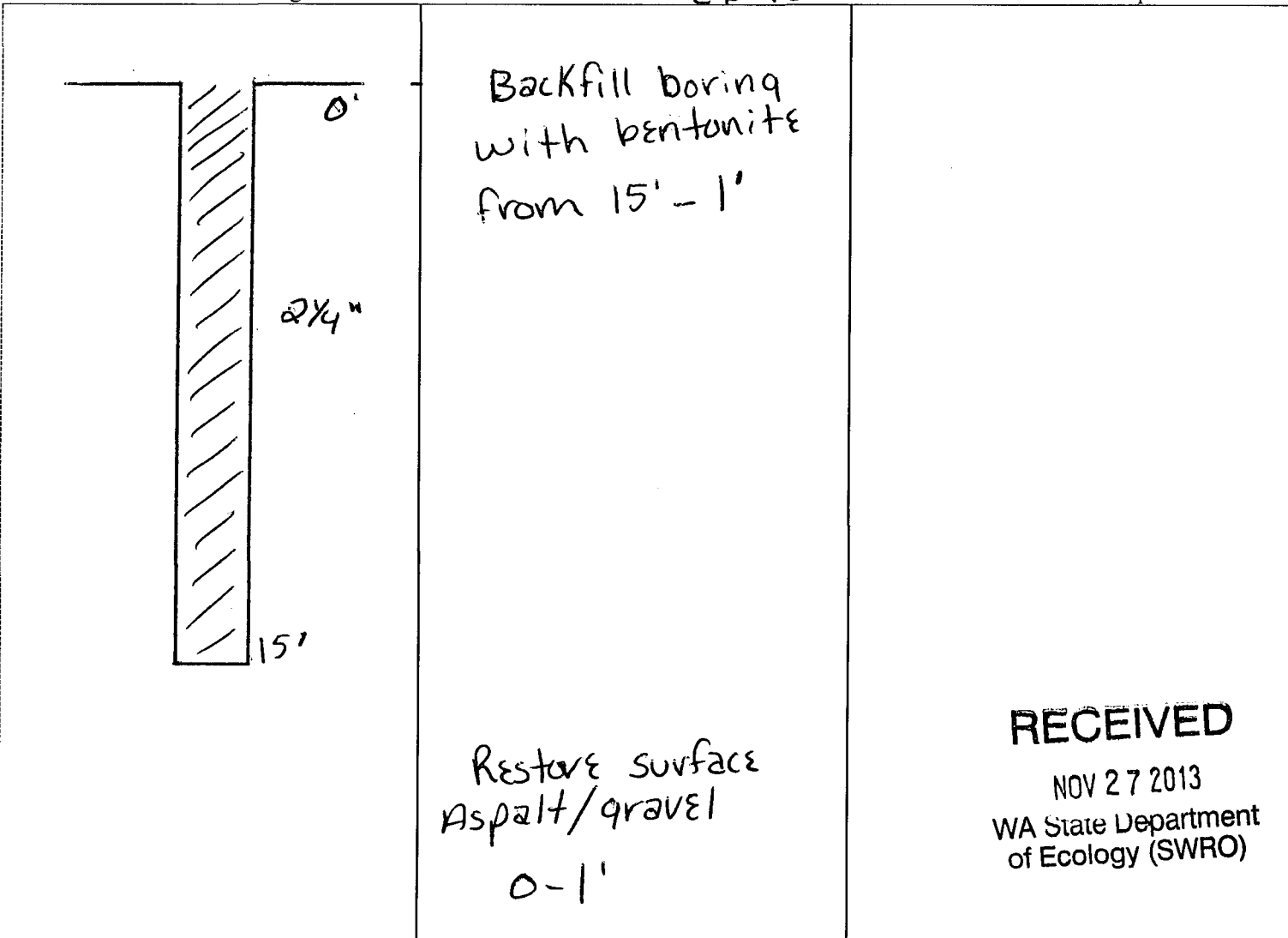
Work/Decommission Completed Date 8/2/13

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

Construction Design

Well Data EB-15

Formation Description



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# RESOURCE PROTECTION WELL REPORT

CURRENT Notice of Intent No. EE04652

(SUBMIT ONE WELL REPORT PER WELL INSTALLED)

Construction/Decommission ("x" in box)

- Construction
- Decommission

Type of Well ("x" in box) 498804

- Resource Protection
- Geotech Soil Boring

ORIGINAL INSTALLATION Notice of Intent Number:

Property Owner Josephine Martens

Consulting Firm Terracon

Site Address 1700-1708 Main St

Unique Ecology Well IDTag No. N/A

City Vancouver County Clark

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.

Location NW 1/4-1/4 NE 1/4 Sec 27 Twn 2N R1E

EWM  or WWM

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

Driller  Engineer  Trainee  
 Name (Print Last, First Name) Chalona Marc  
 Driller/Engineer /Trainee Signature [Signature]  
 Driller or Trainee License No. 3000

Tax Parcel No. \_\_\_\_\_

Cased or Uncased Diameter 2 1/4" Static Level N/A

Work/Decommission Start Date 8/2/13

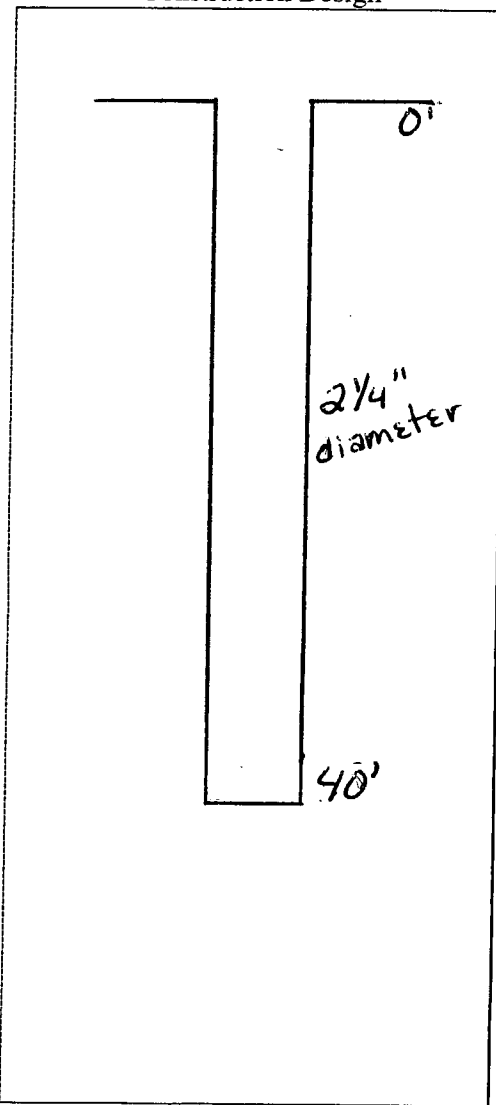
Work/Decommission Completed Date 8/2/13

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

### Construction Design

### Well Data EB-1

### Formation Description



Boring pushed to 40' depth  
 Boring diameter 2 1/4"  
 Soil only, NO water sample

0-3" Asphalt  
 3"-5' sand with silt  
 5'-12.5' sand w/gravel  
 12.5-20' sand  
 20'-25' sandy silt  
 25'-35' sand  
 35'-40' sand w/gravel

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# RESOURCE PROTECTION WELL REPORT

CURRENT Notice of Intent No. AE23048

(SUBMIT ONE WELL REPORT PER WELL INSTALLED)

Construction/Decommission ("x" in box)

- Construction
- Decommission

Type of Well ("x" in box) 498805

- Resource Protection
- Geotech Soil Boring

ORIGINAL INSTALLATION Notice of Intent Number:

EE04652

Consulting Firm TEVRACON

Unique Ecology Well IDTag No. N/A

Property Owner Josephine martens

Site Address 1700-1708 main st

City Vancouver County Clark

Location NW 1/4-1/4 NE 1/4 Sec 27 Twn 2N R 1E

EWM  or WWM

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

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

Tax Parcel No. \_\_\_\_\_

Cased or Uncased Diameter 2 1/4" Static Level N/A

Work/Decommission Start Date 8/2/13

Work/Decommission Completed Date 8/2/13

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) Chalona, Marc

Driller/Engineer /Trainee Signature [Signature]

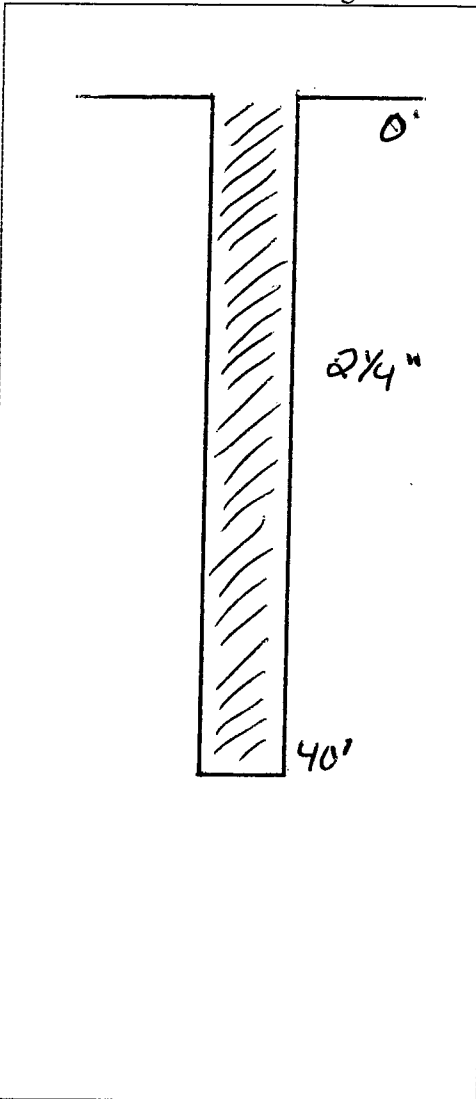
Driller or Trainee License No. 3000

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

### Construction Design

### Well Data EB-1

### Formation Description



Backfill boring with bentonite from 40' - 1'

Restore surface Asphalt/gravel 0-1'

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SCALE: 1" = 10' PAGE 1 OF 1

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Please print, sign and return to the Department of Ecology

# RESOURCE PROTECTION WELL REPORT

CURRENT Notice of Intent No. EE04652

(SUBMIT ONE WELL REPORT PER WELL INSTALLED)

Construction/Decommission ("x" in box)

- Construction
- Decommission

Type of Well ("x" in box) 498805

- Resource Protection
- Geotech Soil Boring

ORIGINAL INSTALLATION Notice of Intent Number:

Property Owner Josephine Martens

Consulting Firm Terracon

Site Address 1700-1708 Main St

Unique Ecology Well IDTag No. N/A

City Vancouver County Clark

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.

Location NW 1/4-1/4 NE 1/4 Sec 27 Twn 2N R 1E

EWM  or WWM

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

Driller  Engineer  Trainee  
Name (Print Last, First Name) Chalona Marc  
Driller/Engineer/Trainee Signature Marc Chalona  
Driller or Trainee License No. 3000

Tax Parcel No. \_\_\_\_\_

Cased or Uncased Diameter 2 1/4" Static Level N/A

Work/Decommission Start Date 8/2/13

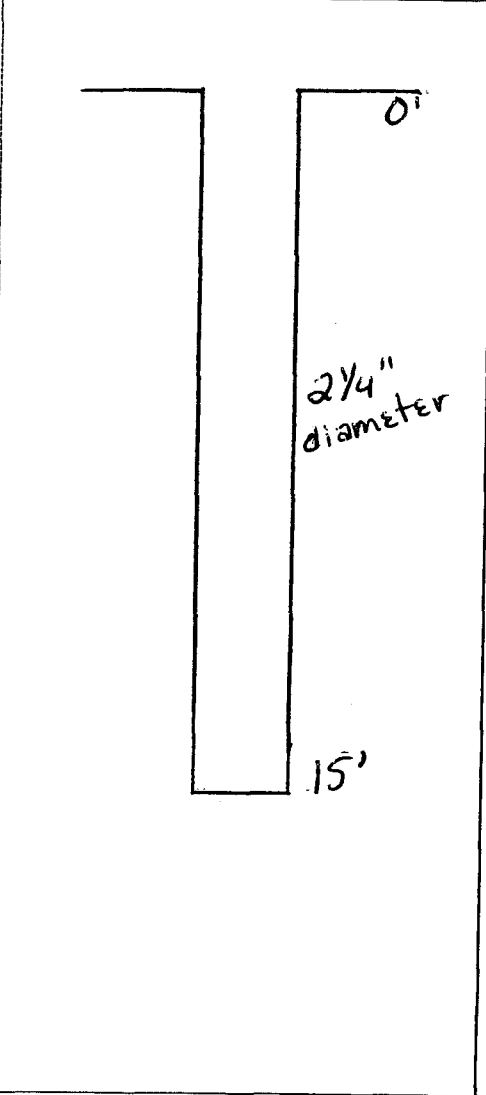
Work/Decommission Completed Date 8/2/13

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

### Construction Design

### Well Data EB-2

### Formation Description



Boring pushed to 15' depth  
Boring diameter 2 1/4"

Soil only, NO water sample

0-3" Asphalt  
3"-5' sand with silt.  
5'-15' sand w/gravel

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Please print, sign and return to the Department of Ecology

# RESOURCE PROTECTION WELL REPORT

CURRENT Notice of Intent No. SE54165

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: \_\_\_\_\_

Property Owner Legacy 409 LLC

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

Site Address 409 Mill Plain Blvd

Unique Ecology Well IDTag No. \_\_\_\_\_

City Vancouver

County Clark

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.

Location NE1/4-1/4 NW1/4 Sec 27 Twn 2N R 1E

EWM  or WWM

Lat/Long (s, t, r still REQUIRED)

Lat Deg 45 Min 37 Sec 53.61

Long Deg -122 Min 40 Sec 4.41

Driller  Engineer  Trainee  
Name (Print Last, First Name) Stigall, Ford

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

Driller or Trainee License No. 2854

Tax Parcel No. \_\_\_\_\_

Cased or Uncased Diameter 8.25"

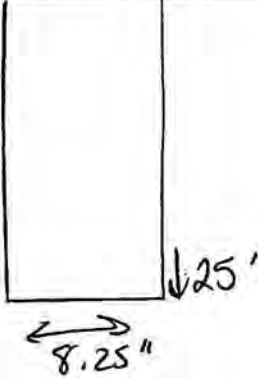
Static Level N/A

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

Work/Decommission Start Date 3/9/15

Work/Decommission Completed Date 3/9/15

### Construction Design



### Well Data

Drilled (1) 25' Hollow Stem Auger boring for geotechnical purposes.

### Formation Description

Red Silty Soil 0-15'  
Gray Coarse Sand & Silt 15-25'

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MAR 16 2015

WA State Department of Ecology (SWRO)

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report

Please print, sign and return to the Department of Ecology

# RESOURCE PROTECTION WELL REPORT

CURRENT Notice of Intent No. SE54165

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:

Property Owner Legacy 409 LLC

Site Address 409 Mill Plain Blvd

City Vancouver

County Clark

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

Unique Ecology Well IDTag No. \_\_\_\_\_

Location NE1/4-1/4 NW1/4 Sec 27 Twn 2N R 1E

EWM  or WWM

Lat/Long (s, t, r

Lat Deg 45 Min 37 Sec 53.61

still REQUIRED)

Long Deg -122 Min 40 Sec 4.41

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) Stigall, Ford

Driller/Engineer/Trainee Signature Ford Stigall

Driller or Trainee License No. 2854

Tax Parcel No. \_\_\_\_\_

Cased or Uncased Diameter 8.25"

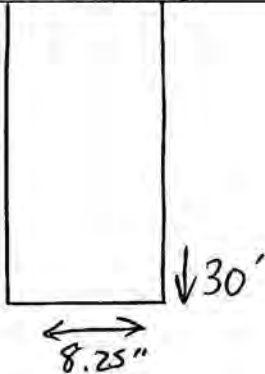
Static Level N/A

Work/Decommission Start Date 3/9/15

Work/Decommission Completed Date 3/9/15

Driller, licensed driller's Signature and License Number:

### Construction Design



### Well Data

Drilled (1) 30' Hollow Stem Auger boring for geotechnical purposes.

### Formation Description

Red Silty Soil 0-15'  
Gray Coarse Sand & Silt 15-30'

**RECEIVED**

MAR 16 2015

Washington Department of Ecology (SWHO)

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report

Please print, sign and return to the Department of Ecology

# RESOURCE PROTECTION WELL REPORT

CURRENT Notice of Intent No. AE30989

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:

E54165

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

Unique Ecology Well IDTag No. \_\_\_\_\_

Property Owner Legacy 409 LLC

Site Address 409 Mill Plain Blvd

City Vancouver County Clark

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.

Location NE1/4-1/4 NW1/4 Sec 27 Twn 2N R 1E

EWM  or WWM

Lat/Long (s, t, r) Lat Deg 45 Min 37 Sec 53.61

still REQUIRED) Long Deg -122 Min 40 Sec 4.41

Driller  Engineer  Trainee  
Name (Print Last, First Name) Stigall, Ford

Driller/Engineer/Trainee Signature Ford Stigall

Driller or Trainee License No. 2854

Tax Parcel No. \_\_\_\_\_

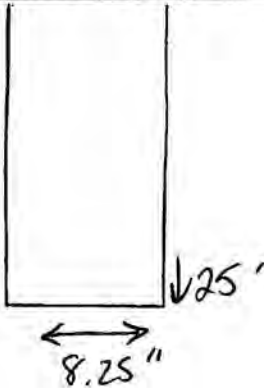
Cased or Uncased Diameter 8.25" Static Level N/A

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

Work/Decommission Start Date 3/10/15

Work/Decommission Completed Date 3/10/15

### Construction Design



### Well Data

Abandoned (1) 25' Hollow Stem Auger boring using (12) 50lb sacks of bentonite chips 25-0'.

### Formation Description

Red Silty Soil 0-15'  
Gray Coarse Sand & Silt 15-25'  
Boring Decommissioned as described under well data.

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MAR 16 2015

WA State Department of Ecology (SWRO)

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report

Please print, sign and return to the Department of Ecology

# RESOURCE PROTECTION WELL REPORT

CURRENT Notice of Intent No. AE30989

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:

E54165

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

Unique Ecology Well IDTag No. \_\_\_\_\_

Property Owner Legacy 409 LLC

Site Address 409 Mill Plain Blvd

City Vancouver County Clark

Location NE1/4-1/4 NW1/4 Sec 27 TwN 2N R 1E

EWM  or WWM

Lat/Long (s, t, r) Lat Deg 45 Min 37 Sec 53.61

still REQUIRED) Long Deg -122 Min 40 Sec 4.41

Tax Parcel No. \_\_\_\_\_

Cased or Uncased Diameter 8.25" Static Level N/A

Work/Decommission Start Date 3/10/15

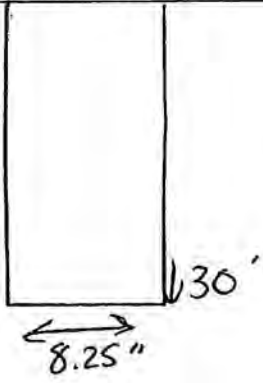
Work/Decommission Completed Date 3/10/15

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) Stigall, Ford  
 Driller/Engineer /Trainee Signature [Signature]  
 Driller or Trainee License No. 2854

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

### Construction Design



### Well Data

Abandoned (1) 30' Hollow Stem Auger boring using (15) 50lb sacks of bentonite chips 30-0'.

### Formation Description

Red Silty Soil 0-15'  
Gray Coarse Sand & Silt 15-30'  
Boring Decommissioned as described under well data.

**RECEIVED**

MAR 16 2015  
WA State Department of Ecology (SWRO)

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

Please print, sign and return to the Department of Ecology

# RESOURCE PROTECTION WELL REPORT

CURRENT Notice of Intent No. SE45488

(SUBMIT ONE WELL REPORT PER WELL INSTALLED)

Construction/Decommission ("x" in box)

Construction  
 Decommission 453582

Type of Well ("x" in box)

Resource Protection  
 Geotech Soil Boring

ORIGINAL INSTALLATION Notice of Intent Number:

Property Owner Vancouver Housing Authority

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

Site Address 410 W 13<sup>th</sup> Street

Unique Ecology Well ID Tag No. \_\_\_\_\_

City Vancouver County Clark

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.

Location NW1/4-1/4 NE1/4 Sec 27 Twn 2 R 1

EWM  or WWM

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

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

Driller  Engineer  Trainee

Name (Print Last, First Name) WIGGINS, RICHARD

Driller/Engineer /Trainee Signature Richard Wiggins

Driller or Trainee License No. 3042

Tax Parcel No. 52040

Cased or Uncased Diameter 4.5" Static Level None

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

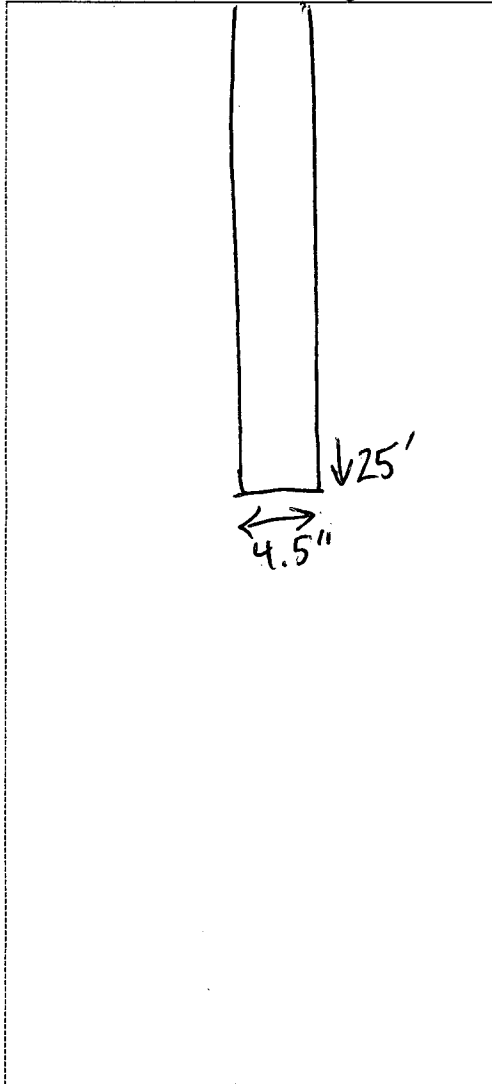
Work/Decommission Start Date 6/11/12

Work/Decommission Completed Date 6/11/12

Construction Design

Well Data

Formation Description



Drilled (1) 25' mud rotary boring

Cobbles with Silt Sand Matrix 0-25'

## RECEIVED

JUN 18 2012

WA State Department of Ecology (SWRO)

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

Please print, sign and return to the Department of Ecology

# RESOURCE PROTECTION WELL REPORT

CURRENT Notice of Intent No. SE45488

(SUBMIT ONE WELL REPORT PER WELL INSTALLED)

Construction/Decommission ("x" in box)

Construction 453583  
 Decommission

Type of Well ("x" in box)

Resource Protection  
 Geotech Soil Boring

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

Property Owner Vancouver Housing Authority

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

Site Address 410 W 13<sup>th</sup> Street

Unique Ecology Well IDTag No. \_\_\_\_\_

City Vancouver County Clark

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.

Location NW1/4-1/4 NE1/4 Sec 27 Twn 2 R 1

EWM  or WWM

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

Driller  Engineer  Trainee  
Name (Print Last, First Name) WIGGINS, RICHARD  
Driller/Engineer /Trainee Signature Richard Wiggins  
Driller or Trainee License No. 3042

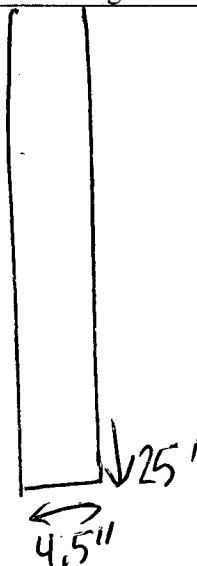
Tax Parcel No. 52040

Cased or Uncased Diameter 4.5" Static Level None

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

Work/Decommission Start Date 6/11/12

Work/Decommission Completed Date 6/11/12

Construction Design	Well Data	Formation Description
	<p>Drilled (1) 25' mud rotary boring</p>	<p>Cobbles with Silt Sand Matrix 0-25'</p> <p style="text-align: center; font-size: 2em; font-weight: bold;">RECEIVED</p> <p style="text-align: center;">JUN 18 2012</p> <p style="text-align: center;">WA State Department of Ecology (SWRO)</p>



The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

Please print, sign and return to the Department of Ecology

# RESOURCE PROTECTION WELL REPORT

CURRENT Notice of Intent No. AE17743

(SUBMIT ONE WELL REPORT PER WELL INSTALLED)

Construction/Decommission ("x" in box)

Construction  
 Decommission 453584

Type of Well ("x" in box)

Resource Protection  
 Geotech Soil Boring

ORIGINAL INSTALLATION Notice of Intent Number:

SE45488

Property Owner Vancouver Housing Authority

Site Address 410 W 13<sup>th</sup> Street

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

City Vancouver County Clark

Unique Ecology Well ID Tag No. \_\_\_\_\_

Location NW1/4-1/4 NE1/4 Sec 27 Twn 2 R 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.

EWM  or WWM

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

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

Driller  Engineer  Trainee

Name (Print Last, First Name) WIGGINS, RICHARD

Driller/Engineer /Trainee Signature Richard Wiggins

Driller or Trainee License No. 3042

Tax Parcel No. 52040

Cased or Uncased Diameter 4.5" Static Level None

Work/Decommission Start Date 6/11/12

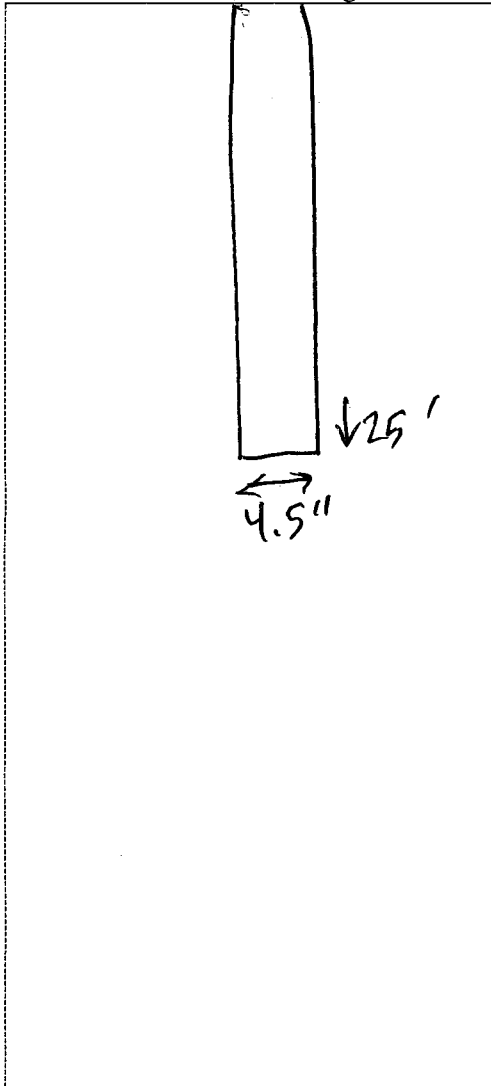
Work/Decommission Completed Date 6/11/12

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

Construction Design

Well Data

Formation Description



Decommissioned (1) 25' mud rotary boring using (1) 50lb. sacks of bentonite grout 25-5' b.g.s., and (1) sack of bentonite chips 5-0' b.g.s.

Cobbles with silt sand matrix 0-25'

RECEIVED

JUN 18 2012

WA State Department of Ecology (SWRO)

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

453585

Please print, sign and return to the Department of Ecology

# RESOURCE PROTECTION WELL REPORT

CURRENT Notice of Intent No. AE17743

(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:

SE45488

Property Owner Vancouver Housing Authority

Site Address 410 W 13<sup>th</sup> Street

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

City Vancouver County Clark

Unique Ecology Well IDTag No. \_\_\_\_\_

Location NW1/4-1/4 NE1/4 Sec 27 Twn 2 R 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.

EWM  or WWM

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

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

- Driller  Engineer  Trainee

Name (Print Last, First Name) WIGGINS, RICHARD

Driller/Engineer /Trainee Signature Richard Wiggins

Driller or Trainee License No. 3042

Tax Parcel No. 52040

Cased or Uncased Diameter 4.5" Static Level None

Work/Decommission Start Date 6/11/12

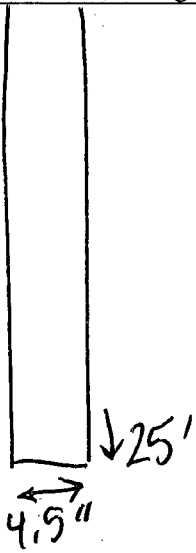
Work/Decommission Completed Date 6/11/12

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

### Construction Design

### Well Data

### Formation Description

	<p>Decommissioned (1) 25' mud rotary boring using (1) 50lb. sacks of bentonite grout 25-5' b.g.s., and (1) sack of bentonite chips 5-0' b.g.s.</p>	<p>Cobbles with silt sand matrix 0-25'</p> <p style="text-align: center; font-size: 2em; font-weight: bold;">RECEIVED</p> <p style="text-align: center;">JUN 18 2012</p> <p style="text-align: center;">WA State Department of Ecology (SWRO)</p>
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Please print, sign and return to the Department of Ecology

# RESOURCE PROTECTION WELL REPORT

CURRENT Notice of Intent No. AE32306

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:

AE55005

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

Unique Ecology Well IDTag No. \_\_\_\_\_

Property Owner Rhino One Geotechnical

Site Address 1300 Daniels St

City Vancouver County Clark

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.

Location NE1/4-1/4 NW1/4 Sec 27 Twn 2N R 1E

EWM  or WWM

Lat/Long (s, t, r) Lat Deg 45 Min 37 Sec 52.95

still REQUIRED) Long Deg -122 Min 40 Sec 27.40

Driller  Engineer  Trainee

Name (Print Last, First Name) Stigall, Ford

Driller/Engineer /Trainee Signature Ford Stigall

Driller or Trainee License No. 2854

Tax Parcel No. \_\_\_\_\_

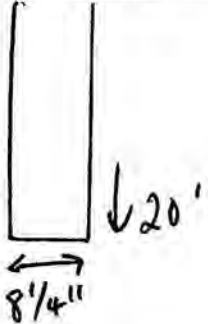
Cased or Uncased Diameter 8 1/4" Static Level None

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

Work/Decommission Start Date 6/6/15

Work/Decommission Completed Date 6/6/15

### Construction Design



### Well Data

Decommissioned (1) 20' hollow stem auger boring using (10) 50lb sacks of bentonite chips 20-1', Asphalt 1-0'.

### Formation Description

Brown Dense sand, Gravels, and cobbles 0-20'  
Boring decommissioned as described under well data.

**RECEIVED**

JUL 01 2015

WA State Department of Ecology (SWRO)

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report

Please print, sign and return to the Department of Ecology

# RESOURCE PROTECTION WELL REPORT

CURRENT Notice of Intent No. AE32306

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:

AE55005

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

Unique Ecology Well IDTag No. \_\_\_\_\_

Property Owner Rhino One Geotechnical

Site Address 1300 Daniels St

City Vancouver County Clark

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.

Location NE1/4-1/4 NW1/4 Sec 27 Twn 2N R 1E

EWM  or WWM

Lat/Long (s, t, r) Lat Deg 45 Min 37 Sec 52.95

still REQUIRED) Long Deg -122 Min 40 Sec 27.40

Driller  Engineer  Trainee

Name (Print Last, First Name) Stigall, Ford

Driller/Engineer /Trainee Signature Ford Stigall

Driller or Trainee License No. 2854

Tax Parcel No. \_\_\_\_\_

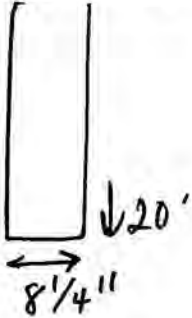
Cased or Uncased Diameter 8 1/4" Static Level None

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

Work/Decommission Start Date 6/6/15

Work/Decommission Completed Date 6/6/15

### Construction Design



### Well Data

Decommissioned (1) 20' hollow stem auger boring using (10) 50lb sacks of bentonite chips 20-1', Asphalt 1-0'.

### Formation Description

Brown Dense sand, Gravels, and cobbles 0-20'  
Boring decommissioned as described under well data.

## RECEIVED

JUL 01 2015

WA State Department of Ecology (SWRO)

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report

Please print, sign and return to the Department of Ecology

# RESOURCE PROTECTION WELL REPORT

CURRENT Notice of Intent No. AE32306

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:

AE55005

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

Unique Ecology Well IDTag No. \_\_\_\_\_

Property Owner Rhino One Geotechnical

Site Address 1300 Daniels St

City Vancouver County Clark

Location NE1/4-1/4 NW1/4 Sec 27 Twn 2N R 1E

EWM  or WWM

Lat/Long (s, t, r) Lat Deg 45 Min 37 Sec 52.95

still REQUIRED) Long Deg -122 Min 40 Sec 27.40

Tax Parcel No. \_\_\_\_\_

Cased or Uncased Diameter 3 7/8" Static Level None

Work/Decommission Start Date 6/6/15

Work/Decommission Completed Date 6/6/15

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

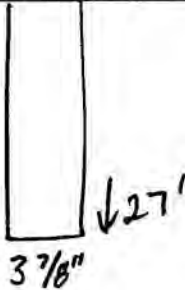
Name (Print Last, First Name) Stigall, Ford

Driller/Engineer /Trainee Signature Ford Stigall

Driller or Trainee License No. 2854

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

### Construction Design



### Well Data

Decommissioned (1) 27' mud rotary boring using (7) 50lb sacks of bentonite chips 27-1', Asphalt 1-0'.

### Formation Description

Brown Dense sand, Gravels, and cobbles. 0-27'  
Boring decommissioned as described under well data.

**RECEIVED**

JUL 01 2015

WA State Department of Ecology (SWRO)

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report

Please print, sign and return to the Department of Ecology

# RESOURCE PROTECTION WELL REPORT

CURRENT Notice of Intent No. SE55005

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: \_\_\_\_\_

Property Owner Rhino One Geotechnical

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

Site Address 1300 Daniels St

Unique Ecology Well IDTag No. \_\_\_\_\_

City Vancouver

County Clark

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.

Location NE1/4-1/4 NW1/4 Sec 27 TwN 2N R 1E

EWM  or WWM

Lat/Long (s, t, r still REQUIRED)

Lat Deg 45 Min 37 Sec 52.95

Long Deg -122 Min 40 Sec 27.40

Driller  Engineer  Trainee

Name (Print Last, First Name) Stigall, Ford

Driller/Engineer /Trainee Signature Ford Stigall

Driller or Trainee License No. 2854

Tax Parcel No. \_\_\_\_\_

Cased or Uncased Diameter 8 1/4"

Static Level None

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

Work/Decommission Start Date 6/6/15

Work/Decommission Completed Date 6/6/15

### Construction Design



### Well Data

Drilled (1) 25' hollow stem auger boring for geotechnical purposes.

### Formation Description

Fill 0-12'  
Brown Dense sand, Gravels, and cobbles. 12-25'

## RECEIVED

JUL 01 2015

WA State Department of Ecology (SWRO)

The Department of Ecology does NOT warrant the Data and/or the Information on this Well Report

Please print, sign and return to the Department of Ecology

# RESOURCE PROTECTION WELL REPORT

CURRENT Notice of Intent No. SE55005

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: \_\_\_\_\_

Property Owner Rhino One Geotechnical

Site Address 1300 Daniels St

City Vancouver

County Clark

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

Unique Ecology Well ID Tag No. \_\_\_\_\_

Location NE1/4-1/4 NW1/4 Sec 27 Twn 2N R 1E

EWM  or WWM

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.

Lat/Long (s, t, r) Lat Deg 45 Min 37 Sec 52.95

still REQUIRED)

Long Deg -122 Min 40 Sec 27.40

Driller  Engineer  Trainee

Name (Print Last, First Name) Stigall, Ford

Driller/Engineer /Trainee Signature Ford Stigall

Driller or Trainee License No. 2854

Tax Parcel No. \_\_\_\_\_

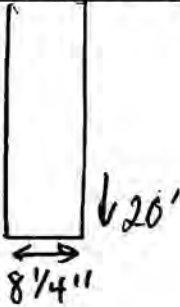
Cased or Uncased Diameter 8 1/4" Static Level None

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

Work/Decommission Start Date 6/6/15

Work/Decommission Completed Date 6/6/15

### Construction Design



### Well Data

Drilled (1) 20' hollow stem auger boring for geotechnical purposes.

### Formation Description

Brown Dense sand, Gravels, and cobbles. 0-20'

## RECEIVED

JUL 01 2015

WA State Department of Ecology (SWRO)

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report

Please print, sign and return to the Department of Ecology

# RESOURCE PROTECTION WELL REPORT

CURRENT Notice of Intent No. SE55005

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: \_\_\_\_\_

Property Owner Rhino One Geotechnical

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

Site Address 1300 Daniels St

Unique Ecology Well IDTag No. \_\_\_\_\_

City Vancouver

County Clark

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.

Location NE1/4-1/4 NW1/4 Sec 27 Twn 2N R 1E

EWM  or WWM

Lat/Long (s, t, r still REQUIRED)

Lat Deg 45 Min 37 Sec 52.95

Long Deg -122 Min 40 Sec 27.40

Driller  Engineer  Trainee Name (Print Last, First Name) Stigall, Ford

Driller/Engineer /Trainee Signature Ford Stigall

Driller or Trainee License No. 2854

Tax Parcel No. \_\_\_\_\_

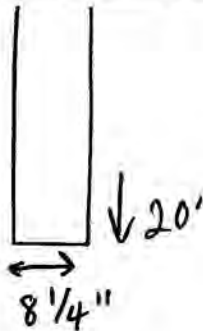
Cased or Uncased Diameter 8 1/4" Static Level None

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

Work/Decommission Start Date 6/6/15

Work/Decommission Completed Date 6/6/15

### Construction Design



### Well Data

Drilled (1) 20' hollow stem auger boring for geotechnical purposes.

### Formation Description

Brown Dense sand, Gravels, and cobbles. 0-20'

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Please print, sign and return to the Department of Ecology

# RESOURCE PROTECTION WELL REPORT

CURRENT Notice of Intent No. SE55005

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 ID Tag No. \_\_\_\_\_

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) Stigall, Ford  
 Driller/Engineer /Trainee Signature Ford Stigall  
 Driller or Trainee License No. 2854

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

Property Owner Rhino One Geotechnical

Site Address 1300 Daniels St

City Vancouver

County Clark

Location NE1/4-1/4 NW1/4 Sec 27 Twn 2N R 1E

EWM  or WWM

Lat/Long (s, t, r)

Lat Deg 45 Min 37 Sec 52.95

still REQUIRED)

Long Deg -122 Min 40 Sec 27.40

Tax Parcel No. \_\_\_\_\_

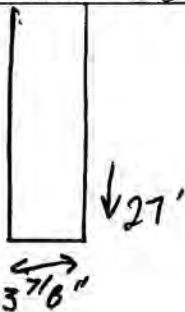
Cased or Uncased Diameter 3 7/8"

Static Level None

Work/Decommission Start Date 6/6/15

Work/Decommission Completed Date 6/6/15

### Construction Design



### Well Data

Drilled (1) 27' mud rotary boring for geotechnical purposes.

### Formation Description

Brown Dense sand, Gravels, and cobbles. 0-27'

## RECEIVED

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WA State Department of Ecology (SWRO)

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Please print, sign and return to the Department of Ecology

# RESOURCE PROTECTION WELL REPORT

CURRENT Notice of Intent No. AE32306

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: \_\_\_\_\_

E55005

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

Unique Ecology Well IDTag No. \_\_\_\_\_

Property Owner Rhino One Geotechnical

Site Address 1300 Daniels St

City Vancouver County Clark

Location NE1/4-1/4 NW1/4 Sec 27 Twn 2N R 1E

EWM  or WWM

Lat/Long (s, t, r) Lat Deg 45 Min 37 Sec 52.95

still REQUIRED) Long Deg -122 Min 40 Sec 27.40

Tax Parcel No. \_\_\_\_\_

Cased or Uncased Diameter 8 1/4" Static Level None

Work/Decommission Start Date 6/6/15

Work/Decommission Completed Date 6/6/15

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

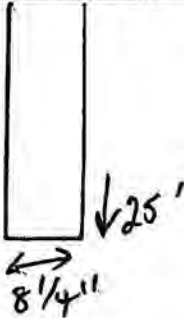
Name (Print Last, First Name) Stigall, Ford

Driller/Engineer /Trainee Signature Ford Stigall

Driller or Trainee License No. 2854

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

### Construction Design



### Well Data

Decommissioned (1) 25' hollow stem auger boring using (12) 50lb sacks of bentonite chips 20-1', Asphalt 1-0'.

### Formation Description

Fill 0-12'  
Brown Dense sand, Gravels, and cobbles. 12-25'  
Boring decommissioned as described under well data.

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WA State Department of Ecology (SWRO)

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Please print, sign and return to the Department of Ecology

# RESOURCE PROTECTION WELL REPORT

CURRENT Notice of Intent No. AE32306

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:

AE55005

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

Unique Ecology Well IDTag No. \_\_\_\_\_

Property Owner Rhino One Geotechnical

Site Address 1300 Daniels St

City Vancouver County Clark

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.

Location NE1/4-1/4 NW1/4 Sec 27 Twn 2N R 1E

EWM  or WWM

Lat/Long (s, t, r) Lat Deg 45 Min 37 Sec 52.95

still REQUIRED) Long Deg -122 Min 40 Sec 27.40

Driller  Engineer  Trainee

Name (Print Last, First Name) Stigall, Ford

Driller/Engineer/Trainee Signature Ford Stigall

Driller or Trainee License No. 2854

Tax Parcel No. \_\_\_\_\_

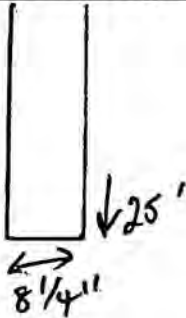
Cased or Uncased Diameter 8 1/4" Static Level None

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

Work/Decommission Start Date 6/6/15

Work/Decommission Completed Date 6/6/15

### Construction Design



### Well Data

Decommissioned (1) 25' hollow stem auger boring using (12) 50lb sacks of bentonite chips 20-1', Asphalt 1-0'.

### Formation Description

Fill 0-12'  
Brown Dense sand, Gravels, and cobbles. 12-25'  
Boring decommissioned as described under well data.

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WA State Department of Ecology (SWRO)

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# RESOURCE PROTECTION WELL REPORT

CURRENT Notice of Intent No. AE10417

(SUBMIT ONE WELL REPORT PER WELL INSTALLED)

Construction/Decommission ("x" in box)

Construction  
 Decommission 391000

Type of Well ("x" in box)

Resource Protection  
 Geotech Soil Boring

ORIGINAL INSTALLATION Notice of Intent Number:

SE07882

Property Owner Donna Jenson Family

Site Address 1714 Broadway Street

Consulting Firm ATC Associates

City Vancouver

County Clark

Unique Ecology Well IDTag No. RD-6

Location NW1/4-1/4 NE1/4 Sec 27 Twn 02 R 01

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.

EWM  or WWM

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

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

Driller  Engineer  Trainee

Name (Print Last, First Name) Decker Rich

Tax Parcel No. 41060000

Driller/Engineer /Trainee Signature Rich Decker

Cased or Uncased Diameter 1.25" Static Level N/A

Driller or Trainee License No. 2882

Work/Decommission Start Date: 8/24/10

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

Work/Decommission Completed Date 8/24/10

### Construction Design

### Well Data

### Formation Description

	<p>Surface Seal: <u>Concrete</u></p> <p>Drilling Method: <u>D.P.</u></p> <p>Boring Diameter: <u>2"</u></p> <p>Backfill: <u>#8</u></p> <p>Boring Depth: <u>15'</u></p>	<p><u>0-12' Fine Sand</u></p> <p><u>12-15' sand gravel</u></p> <p>RECEIVED</p> <p>10 AUG 30 P2:38</p> <p>WA STATE DEPARTMENT OF ECOLOGY SW REGIONAL OFFICE</p>
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# RESOURCE PROTECTION WELL REPORT

CURRENT Notice of Intent No. AE10417

(SUBMIT ONE WELL REPORT PER WELL INSTALLED)

Construction/Decommission ("x" in box)

Construction  
 Decommission 391005

Type of Well ("x" in box)

Resource Protection  
 Geotech Soil Boring

ORIGINAL INSTALLATION Notice of Intent Number:

SE07882

Property Owner Donna Jenson Family

Site Address 1714 Broadway Street

Consulting Firm ATC Associates

City Vancouver

County Clark

Unique Ecology Well IDTag No. RD-5

Location NW1/4-1/4 NE1/4 Sec 27 Twn 02 R 01

EWM  or WWM

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.

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

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

Driller  Engineer  Trainee

Name (Print Last, First Name) Decker Rich

Tax Parcel No. 41060000

Driller/Engineer /Trainee Signature Rich Decker

Cased or Uncased Diameter 1.25" Static Level N/A

Driller or Trainee License No. 2882

Work/Decommission Start Date: 8/24/10

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

Work/Decommission Completed Date 8/24/10

### Construction Design

### Well Data

### Formation Description

	<p>Surface Seal: <u>Concrete</u></p> <p>Drilling Method: <u>D.P.</u></p> <p>Boring Diameter: <u>2"</u></p> <p>Backfill: <u>#8</u></p> <p>Boring Depth: <u>15'</u></p>	<p><u>0-12' Fine sand</u></p> <p><u>12-15' sand</u> <u>gravel</u></p> <p>RECEIVED</p> <p>10 AUG 30 P2:38</p> <p>WA STATE DEPARTMENT OF ECOLOGY SW REGIONAL OFFICE</p>
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# RESOURCE PROTECTION WELL REPORT

CURRENT Notice of Intent No. AE10417

(SUBMIT ONE WELL REPORT PER WELL INSTALLED)

Construction/Decommission ("x" in box)

Construction 391004  
 Decommission

Type of Well ("x" in box)

Resource Protection  
 Geotech Soil Boring

ORIGINAL INSTALLATION Notice of Intent Number: SE07882

Property Owner Donna Jenson Family

Site Address 1714 Broadway Street

Consulting Firm ATC Associates

City Vancouver County Clark

Unique Ecology Well IDTag No. RD-4

Location NW1/4-1/4 NE1/4 Sec 27 Twn 02 R 01

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.

EWM  or WWM

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

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

Driller  Engineer  Trainee  
Name (Print Last, First Name) Decker Rich

Tax Parcel No. 41060000

Driller/Engineer /Trainee Signature Rich Decker

Cased or Uncased Diameter 1.25" Static Level N/A

Driller or Trainee License No. 2882

Work/Decommission Start Date: 8/24/10

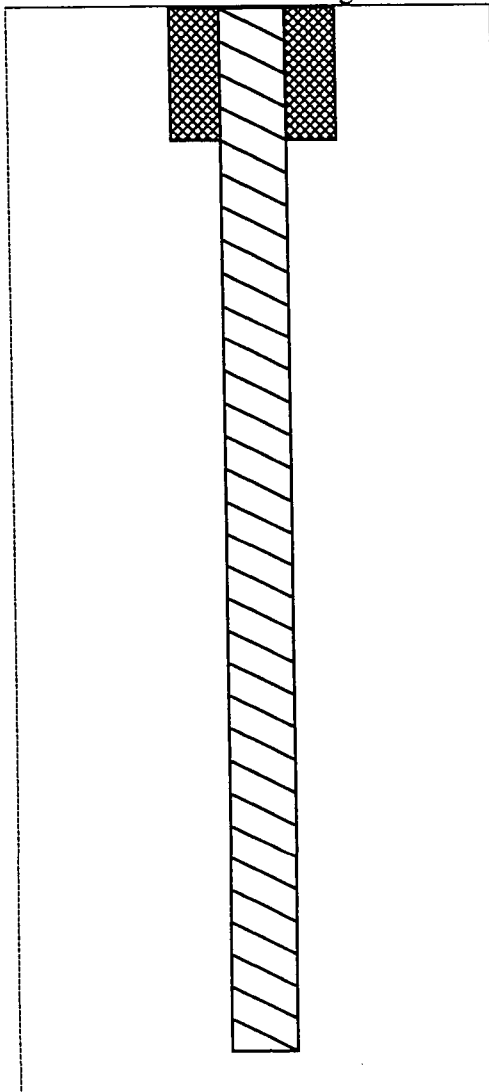
If trainee, licensed driller's Signature and License Number:

Work/Decommission Completed Date 8/24/10

### Construction Design

### Well Data

### Formation Description



Surface Seal: Concrete

Drilling Method: D.P.

Boring Diameter: 2"

Backfill: #8

Boring Depth: 15'

0-12' Fine Sand

12-15' sand  
gravel

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DEPARTMENT OF ECOLOGY  
SW REGIONAL OFFICE

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# RESOURCE PROTECTION WELL REPORT

CURRENT Notice of Intent No. AE10417

(SUBMIT ONE WELL REPORT PER WELL INSTALLED)

Construction/Decommission ("x" in box)

Construction  
 Decommission 391003

Type of Well ("x" in box)

Resource Protection  
 Geotech Soil Boring

ORIGINAL INSTALLATION Notice of Intent Number:

SE07882

Property Owner Donna Jenson Family

Site Address 1714 Broadway Street

Consulting Firm ATC Associates

City Vancouver

County Clark

Unique Ecology Well IDTag No. RD-3

Location NW1/4-1/4 NE1/4 Sec 27 Twn 02 R 01

EWM  or WWM

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.

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

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

Driller  Engineer  Trainee

Name (Print Last, First Name) Decker Rich

Tax Parcel No. 41060000

Driller/Engineer /Trainee Signature Rich Decker

Cased or Uncased Diameter 1.25" Static Level N/A

Driller or Trainee License No. 2882

Work/Decommission Start Date: 8/24/10

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

Work/Decommission Completed Date 8/24/10

### Construction Design

### Well Data

### Formation Description

	<p>Surface Seal: <u>Concrete</u></p> <p>Drilling Method: <u>D.P.</u></p> <p>Boring Diameter: <u>2"</u></p> <p>Backfill: <u>#8</u></p> <p>Boring Depth: <u>15'</u></p>	<p><u>0-12' Fine Sand</u></p> <p><u>12'-15' sand gravel</u></p> <p>RECEIVED</p> <p>'10 AUG 30 P2:38</p> <p>WASHINGTON STATE DEPARTMENT OF ECOLOGY SW REGIONAL OFFICE</p>
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# RESOURCE PROTECTION WELL REPORT

CURRENT Notice of Intent No. AE10417

(SUBMIT ONE WELL REPORT PER WELL INSTALLED)

Construction/Decommission ("x" in box)

Construction  
 Decommission 391002

Type of Well ("x" in box)

Resource Protection  
 Geotech Soil Boring

ORIGINAL INSTALLATION Notice of Intent Number:  
SE07882

Property Owner Donna Jensen Family

Site Address 1714 Broadway Street

Consulting Firm ATC Associates

City Vancouver County Clark

Unique Ecology Well IDTag No. RD-2B

Location NW1/4-1/4 NE1/4 Sec 27 Twn 02 R 01

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.

EWM  or WWM

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

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

Driller  Engineer  Trainee  
Name (Print Last, First Name) Decker, Rich

Tax Parcel No. 41060000

Driller/Engineer /Trainee Signature Rich Decker

Cased or Uncased Diameter 1.25" Static Level N/A

Driller or Trainee License No. 2882

Work/Decommission Start Date: 8/24/10

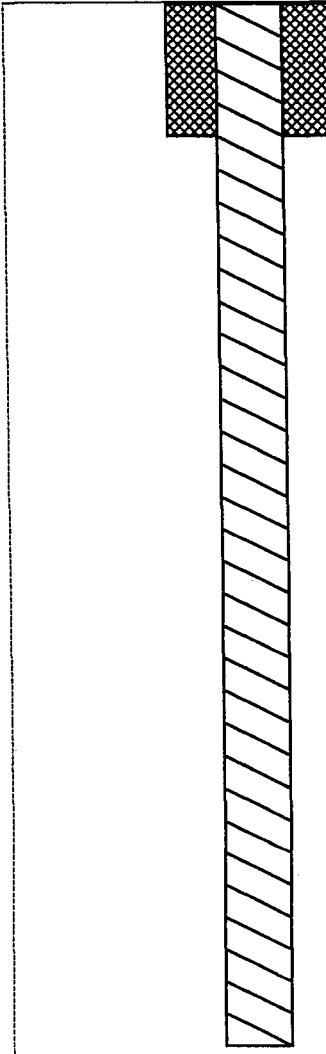
If trainee, licensed driller's Signature and License Number:

Work/Decommission Completed Date: 8/24/10

### Construction Design

### Well Data

### Formation Description



Surface Seal: Concrete

Drilling Method: D.P.

Boring Diameter: 2"

Backfill: #8

Boring Depth: 40'

0-12' Fine Sand

12-23' sand  
gravel

23'-40' N/A

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SW REGIONAL OFFICE

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# RESOURCE PROTECTION WELL REPORT

CURRENT Notice of Intent No. AE10417

(SUBMIT ONE WELL REPORT PER WELL INSTALLED)

Construction/Decommission ("x" in box)

Construction  
 Decommission 391001

Type of Well ("x" in box)

Resource Protection  
 Geotech Soil Boring

ORIGINAL INSTALLATION Notice of Intent Number:  
SE07882

Property Owner Donna Jenson Family

Site Address 1714 Broadway Street

Consulting Firm ATC Associates

City Vancouver County Clark

Unique Ecology Well IDTag No. RD-2A

Location NW1/4-1/4 NE1/4 Sec 27 Twn 02 R 01

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.

EWM  or WWM

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

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

Driller  Engineer  Trainee  
Name (Print Last, First Name) Decker, Rich

Tax Parcel No. 41060000

Driller/Engineer /Trainee Signature Rich Decker

Cased or Uncased Diameter 1.25" Static Level N/A

Driller or Trainee License No. 2882

Work/Decommission Start Date: 8/24/10

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

Work/Decommission Completed Date: 8/24/10

### Construction Design

### Well Data

### Formation Description

	<p>Surface Seal: <u>Concrete</u></p> <p>Drilling Method: <u>D.P.</u></p> <p>Boring Diameter: <u>2"</u></p> <p>Backfill: <u>#8</u></p> <p>Boring Depth: <u>15'</u></p>	<p><u>0-12' Fine Sand</u></p> <p><u>12-15' sand gravel</u></p>
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# RESOURCE PROTECTION WELL REPORT

CURRENT Notice of Intent No. AE10417

(SUBMIT ONE WELL REPORT PER WELL INSTALLED)

Construction/Decommission ("x" in box)

Construction 391000  
 Decommission

Type of Well ("x" in box)

Resource Protection  
 Geotech Soil Boring

ORIGINAL INSTALLATION Notice of Intent Number: SE07882

Property Owner Donna Jenson Family

Site Address 1714 Broadway Street

Consulting Firm ATC Associates

City Vancouver County Clark

Unique Ecology Well IDTag No. RD-1

Location NW1/4-1/4 NE1/4 Sec 27 Twn 02 R 01

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.

EWM  or WWM

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

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

Driller  Engineer  Trainee  
Name (Print Last, First Name) Decker Rich

Tax Parcel No. 41060000

Driller/Engineer /Trainee Signature Rich Decker

Cased or Uncased Diameter 1.25" Static Level N/A

Driller or Trainee License No. 2882

Work/Decommission Start Date: 8/24/10

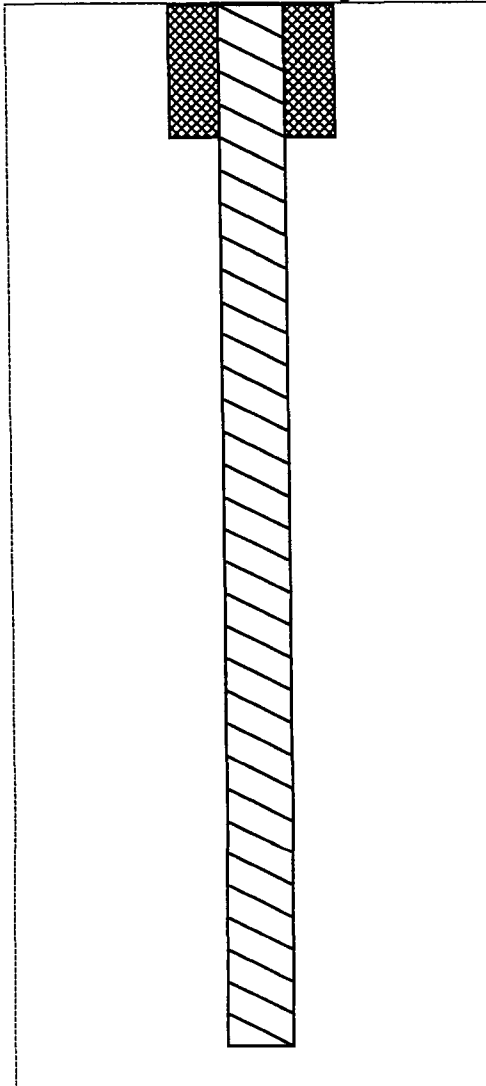
If trainee, licensed driller's Signature and License Number:

Work/Decommission Completed Date 8/24/10

### Construction Design

### Well Data

### Formation Description



Surface Seal: Concrete

Drilling Method: D.P.

Boring Diameter: 2"

Backfill: #8

Boring Depth: 15'

0-12 Fine sand

12-15 sand  
gravel

WA STATE  
DEPARTMENT OF ECOLOGY  
SW REGIONAL OFFICE

'10 AUG 30 P2:38

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Please print, sign and return to the Department of Ecology

# RESOURCE PROTECTION WELL REPORT

CURRENT Notice of Intent No. SE07882

(SUBMIT ONE WELL REPORT PER WELL INSTALLED)

Construction/Decommission ("x" in box)

Construction 390999  
 Decommission

Type of Well ("x" in box)

Resource Protection  
 Geotech Soil Boring

ORIGINAL INSTALLATION Notice of Intent Number:

Property Owner Donna Jensen Family

Consulting Firm ATC Associates

Site Address 1714 Broadway Street

Unique Ecology Well IDTag No. RD-6

City Vancouver County Clark

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.

Location NW1/4-1/4 NE1/4 Sec 27 TwN 02 R 01

EWM  or WWM

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

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

Driller  Engineer  Trainee  
Name (Print Last, First Name) Decker, Rich

Driller/Engineer /Trainee Signature Rich Decker

Driller or Trainee License No. 1882

Tax Parcel No. 41060000

Cased or Uncased Diameter 1.25" Static Level N/A

Work/Decommission Start Date 8/24/10

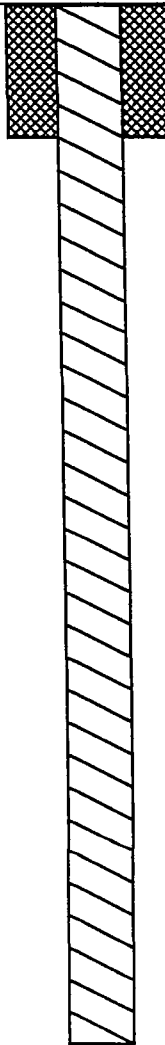
If trainee, licensed driller's Signature and License Number:

Work/Decommission Completed Date 8/24/10

### Construction Design

### Well Data

### Formation Description

	<p>Surface Seal: <u>Concrete</u></p> <p>Drilling Method: <u>D.P.</u></p> <p>Boring Diameter: <u>2"</u></p> <p>Backfill: <u>#8</u></p> <p>Boring Depth: <u>15'</u></p>	<p><u>0-12' Fine sand</u></p> <p><u>12-15' sand gravel</u></p> <p>RECEIVED AUG 30 P2:38 WA STATE DEPARTMENT OF ECOLOGY SW REGIONAL OFFICE</p>
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Please print, sign and return to the Department of Ecology

# RESOURCE PROTECTION WELL REPORT

CURRENT Notice of Intent No. SE07882

(SUBMIT ONE WELL REPORT PER WELL INSTALLED)

Construction/Decommission ("x" in box)

Construction 390998  
 Decommission

Type of Well ("x" in box)

Resource Protection  
 Geotech Soil Boring

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

Property Owner Donna Jenson Family

Consulting Firm ATC Associates

Site Address 1714 Broadway Street

Unique Ecology Well IDTag No. RD-5

City Vancouver County Clark

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.

Location NW1/4-1/4 NE1/4 Sec 27 Twn 02 R 01

EWM  or WWM

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

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

Driller  Engineer  Trainee  
Name (Print Last, First Name) Decker, Rich

Driller/Engineer /Trainee Signature Rich Decker

Driller or Trainee License No. 1882

Tax Parcel No. 41060000

Cased or Uncased Diameter 1.25" Static Level N/A

Work/Decommission Start Date 8/24/10

Work/Decommission Completed Date 8/24/10

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

### Construction Design

### Well Data

### Formation Description

	<p>Surface Seal: <u>Concrete</u></p> <p>Drilling Method: <u>D.P.</u></p> <p>Boring Diameter: <u>2"</u></p> <p>Backfill: <u>#8</u></p> <p>Boring Depth: <u>15'</u></p>	<p><u>0-12' Fine sand</u></p> <p><u>12'-15' sand gravel</u></p>
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AUG 30 10  
P 2:38  
STATE DEPARTMENT OF ECOLOGY  
SW REGIONAL OFFICE

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

Please print, sign and return to the Department of Ecology

# RESOURCE PROTECTION WELL REPORT

CURRENT Notice of Intent No. SE07882

(SUBMIT ONE WELL REPORT PER WELL INSTALLED)

Construction/Decommission ("x" in box)

Construction

Decommission

390997

Type of Well ("x" in box)

Resource Protection

Geotech Soil Boring

ORIGINAL INSTALLATION Notice of Intent Number:

Property Owner Donna Jenson Family

Site Address 1714 Broadway Street

Consulting Firm ATC Associates

City Vancouver

County Clark

Unique Ecology Well ID Tag No. RD-4

Location NW1/4-1/4 NE1/4 Sec 27 Twn 02 R 01

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.

EWM  or WWM

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

still REQUIRED)

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

Driller  Engineer  Trainee

Name (Print Last, First Name) Decker, Rich

Driller/Engineer /Trainee Signature Rich Decker

Driller or Trainee License No. 2882

Tax Parcel No. 41060000

Cased or Uncased Diameter 1.25" Static Level N/A

Work/Decommission Start Date 8/24/10

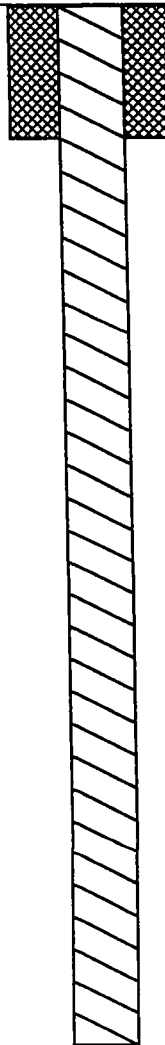
Work/Decommission Completed Date 8/24/10

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

### Construction Design

### Well Data

### Formation Description

	<p>Surface Seal: <u>Concrete</u></p> <p>Drilling Method: <u>D.P.</u></p> <p>Boring Diameter: <u>2"</u></p> <p>Backfill: <u>#8</u></p> <p>Boring Depth: <u>15'</u></p>	<p><u>0-12' Fine Sand</u></p> <p><u>12'-15' sand gravel</u></p> <p>RECEIVED</p> <p>10 AUG 30 2:38</p> <p>WA STATE DEPARTMENT OF ECOLOGY SW REGIONAL OFFICE</p>
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The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

Please print, sign and return to the Department of Ecology

# RESOURCE PROTECTION WELL REPORT

CURRENT Notice of Intent No. SE07882

(SUBMIT ONE WELL REPORT PER WELL INSTALLED)

Construction/Decommission ("x" in box)

Construction 390996  
 Decommission

Type of Well ("x" in box)

Resource Protection  
 Geotech Soil Boring

ORIGINAL INSTALLATION Notice of Intent Number:

Property Owner Donna Jensen Family

Consulting Firm ATC Associates

Site Address 1714 Broadway Street

Unique Ecology Well ID Tag No. RD-3

City Vancouver County Clark

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.

Location NW1/4-1/4 NE1/4 Sec 27 Twn 02 R 01

EWM  or WWM

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

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

Driller  Engineer  Trainee  
Name (Print Last, First Name) Decker, Rich

Tax Parcel No. 41060000

Driller/Engineer /Trainee Signature Rich Decker

Cased or Uncased Diameter 1.25" Static Level N/A

Driller or Trainee License No. 1882

Work/Decommission Start Date 8/24/10

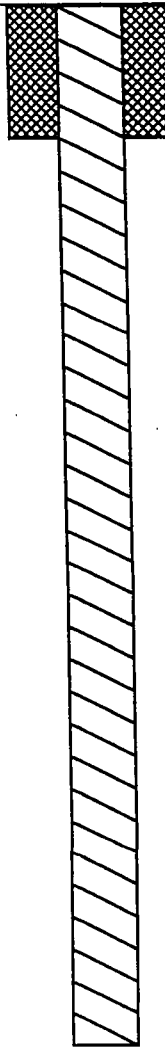
If trainee, licensed driller's Signature and License Number:

Work/Decommission Completed Date 8/24/10

### Construction Design

### Well Data

### Formation Description

	<p>Surface Seal: <u>Concrete</u></p> <p>Drilling Method: <u>D.P.</u></p> <p>Boring Diameter: <u>2"</u></p> <p>Backfill: <u>#8</u></p> <p>Boring Depth: <u>15'</u></p>	<p><u>0-12' Fine sand</u></p> <p><u>12'-15' sand gravel</u></p> <p style="text-align: center;">RECEIVED 10 AUG 30 P 2:37 WA STATE DEPARTMENT OF ECOLOGY SW REGIONAL OFFICE</p>
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The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

Please print, sign and return to the Department of Ecology

# RESOURCE PROTECTION WELL REPORT

CURRENT Notice of Intent No. SE07882

(SUBMIT ONE WELL REPORT PER WELL INSTALLED)

Construction/Decommission ("x" in box)

Construction 390995  
 Decommission

Type of Well ("x" in box)

Resource Protection  
 Geotech Soil Boring

ORIGINAL INSTALLATION Notice of Intent Number:

Property Owner Donna Jenson Family

Consulting Firm ATC Associates

Site Address 1714 Broadway Street

Unique Ecology Well IDTag No. RD-2B

City Vancouver County Clark

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.

Location NW1/4-1/4 NE1/4 Sec 27 Twn 02 R 01

EWM  or WWM

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

Driller  Engineer  Trainee  
Name (Print Last, First Name) Decker, Rich

Tax Parcel No. 41060000

Driller/Engineer /Trainee Signature Rich Decker

Cased or Uncased Diameter 1.25" Static Level N/A

Driller or Trainee License No. 1882

Work/Decommission Start Date 8/24/10

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

Work/Decommission Completed Date 8/24/10

### Construction Design

### Well Data

### Formation Description

	<p>Surface Seal: <u>Concrete</u></p> <p>Drilling Method: <u>D.P.</u></p> <p>Boring Diameter: <u>2"</u></p> <p>Backfill: <u>#8</u></p> <p>Boring Depth: <u>40'</u></p>	<p><u>0-12' Fine sand</u></p> <p><u>12-23' sand gravel</u></p> <p><u>23'-40' N/A</u></p> <p style="text-align: center;">       RECEIVED        10 AUG 30 P2:37        WA STATE        DEPARTMENT OF ECOLOGY        SW REGIONAL OFFICE     </p>
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The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

Please print, sign and return to the Department of Ecology

# RESOURCE PROTECTION WELL REPORT

CURRENT Notice of Intent No. SE07882

(SUBMIT ONE WELL REPORT PER WELL INSTALLED)

Construction/Decommission ("x" in box)

- Construction
- Decommission

390994

Type of Well ("x" in box)

- Resource Protection
- Geotech Soil Boring

ORIGINAL INSTALLATION Notice of Intent Number:

Property Owner Donna Jenson Family

Consulting Firm ATC Associates

Site Address 1714 Broadway Street

Unique Ecology Well IDTag No. RD-2A

City Vancouver County Clark

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.

Location NW1/4-1/4 NE1/4 Sec 27 Twn 02 R 01

EWM  or WWM

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

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

- Driller
- Engineer
- Trainee

Name (Print Last, First Name) Decker, Rich

Driller/Engineer /Trainee Signature Rich Decker

Driller or Trainee License No. 2882

Tax Parcel No. 41060000

Cased or Uncased Diameter 1.25" Static Level N/A

Work/Decommission Start Date 8/24/10

Work/Decommission Completed Date 8/24/10

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

### Construction Design

### Well Data

### Formation Description

	<p>Surface Seal: <u>Concrete</u></p> <p>Drilling Method: <u>D.P.</u></p> <p>Boring Diameter: <u>2"</u></p> <p>Backfill: <u>#8</u></p> <p>Boring Depth: <u>15'</u></p>	<p><u>0-12' Fine Sand</u></p> <p><u>12'-15' sand/gravel</u></p>
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WA STATE DEPARTMENT OF ECOLOGY SW REGIONAL OFFICE

10 AUG 30 P2:31

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The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

Please print, sign and return to the Department of Ecology

# RESOURCE PROTECTION WELL REPORT

CURRENT Notice of Intent No. JE07882

(SUBMIT ONE WELL REPORT PER WELL INSTALLED)

Construction/Decommission ("x" in box)

Construction 390993  
 Decommission

Type of Well ("x" in box)

Resource Protection  
 Geotech Soil Boring

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

Property Owner Donna Jenson Family

Consulting Firm ATC Associates

Site Address 1714 Broadway Street

Unique Ecology Well ID Tag No. RD-1

City Vancouver County Clark

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.

Location NW1/4-1/4 NE1/4 Sec 27 Twn 02 R 01

EWM  or WWM

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

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

Driller  Engineer  Trainee  
Name (Print Last, First Name) Decker, Rich

Tax Parcel No. 41060000

Driller/Engineer /Trainee Signature Rich Decker

Cased or Uncased Diameter 1.25" Static Level N/A

Driller or Trainee License No. 1882

Work/Decommission Start Date 8/24/10

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

Work/Decommission Completed Date 8/24/10

### Construction Design

### Well Data

### Formation Description

	<p>Surface Seal: <u>Concrete</u></p> <p>Drilling Method: <u>D.P.</u></p> <p>Boring Diameter: <u>2"</u></p> <p>Backfill: <u>#8</u></p> <p>Boring Depth: <u>15'</u></p>	<p><u>0-12' Fine Sand</u></p> <p><u>12'-15' sand gravel</u></p> <p style="text-align: center;">RECEIVED 10 AUG 30 P2:37 WA STATE DEPARTMENT OF ECOLOGY SW RESIDENTIAL OFFICE</p>
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The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

Please print, sign and return to the Department of Ecology

# RESOURCE PROTECTION WELL REPORT

CURRENT Notice of Intent No. SE02910

(SUBMIT ONE WELL REPORT PER WELL INSTALLED)

Construction/Decommission ("x" in box)

Construction

Decommission

307216

ORIGINAL INSTALLATION Notice of Intent Number:

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

Unique Ecology Well IDTag No. \_\_\_\_\_

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) Stigall, Ford

Driller/Engineer /Trainee Signature Ford Stigall

Driller or Trainee License No. 2854

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

Type of Well ("x" in box)

Resource Protection

Geotech Soil Boring

Property Owner GeoCon NW Owner's Rep

Site Address 1511 Main St

City Vancouver

County Clark

Location NW1/4-1/4 NE1/4 Sec 27 Twn 2 R 1

EWM  or WWM

Lat/Long (s, t, r

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

still REQUIRED)

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

Tax Parcel No. 040250-000

Cased or Uncased Diameter 8.25

Static Level none

Work/Decommission Start Date 8/14/08

Work/Decommission Completed Date 8/14/08

### Construction Design

### Well Data

### Formation Description

Drilled one hollow stem auger boring to 25' b.g.s. for geotechnical purposes. No water encountered

AC/Base Rock 0-2  
Fill Rock 2-6  
Silt/Clay 6-18  
Sandy Gravel 18-25

8.25' / 25'

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AUG 15 2008

DEPARTMENT OF ECOLOGY

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

Job Number: XL-3604-H  
Boring: CRC-TR-44-12

Please print, sign and return to the Department of Ecology

# RESOURCE PROTECTION WELL REPORT

CURRENT Notice of Intent No. SE-46822/AE-19859

(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

475168

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

Property Owner WSDOT

Consulting Firm WSDOT

Site Address Vic of W 16th and Main

Unique Ecology Well IDTag No. \_\_\_\_\_

City \_\_\_\_\_ County Clark

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.

Location NW 1/4-1/4 NE 1/4 Sec 27 Twn 2 N R 1

EWM  or WWM

Driller  Engineer  Trainee  
Name (Print Last, First Name) Nelson, Brad

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

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

Driller/Engineer /Trainee Signature [Signature]

Tax Parcel No. \_\_\_\_\_

Driller or Trainee License No. 2969

Cased or Uncased Diameter 4" Static Level 13'

Work/Decommission Start Date 12/10/2012

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

Work/Decommission Completed Date 12/10/2012

Construction Design	Well Data	Formation Description
		0 - 0.3 ft Pavement
		0.3 - 12.5 ft Sand with silt
		12.5 - 13.5 ft Sand with gravel
		13.5 - 19 ft Sand
		19 - 24 ft Sand with gravel
		24 - 29 ft Sand
		29 - 31 ft Sand with silt

# RECEIVED

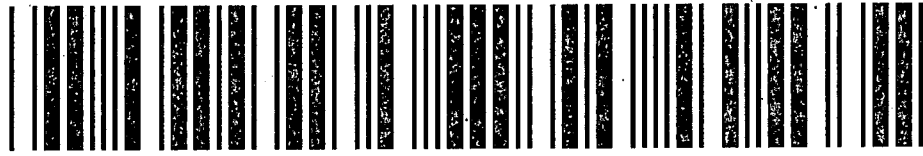
JAN 16 2013

WA State Department of Ecology (SWRO)

Boring was backfilled with bentonite hole plug to surface.

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

# Document



\* D O C U M E N T \*

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

Job Number: XL-3604-H  
Boring: CRC-TR-44-12

Please print, sign and return to the Department of Ecology

# RESOURCE PROTECTION WELL REPORT

CURRENT Notice of Intent No. SE-46822/AE-19859

(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

475169

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

Property Owner WSDOT

Consulting Firm WSDOT

Site Address Vic of W 16th and Main

Unique Ecology Well IDTag No. \_\_\_\_\_

City \_\_\_\_\_ County Clark

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.

Location NW 1/4-1/4 NE 1/4 Sec 27 Twn 2 N R 1

EWM  or WWM

Driller  Engineer  Trainee  
 Name (Print Last, First Name) Nelson, Brad  
 Driller/Engineer /Trainee Signature *Brad Nelson*  
 Driller or Trainee License No. 2969

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

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

Tax Parcel No. \_\_\_\_\_

Cased or Uncased Diameter 4" Static Level 13'

Work/Decommission Start Date 12/10/2012

Work/Decommission Completed Date 12/10/2012

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

Construction Design	Well Data	Formation Description
		0 - 0.3 ft Pavement
		0.3 - 12.5 ft Sand with silt
		12.5 - 13.5 ft Sand with gravel
		13.5 - 19 ft Sand
		19 - 24 ft Sand with gravel
		24 - 29 ft Sand
		29 - 31 ft Sand with silt

**RECEIVED**  
 JAN 16 2013  
 WA State Department  
 of Ecology (SWRO)

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

Job Number: XL-3604-H  
Boring: CRC-TR-47-12

Please print, sign and return to the Department of Ecology

# RESOURCE PROTECTION WELL REPORT

CURRENT Notice of Intent No. SE46822/AE19859

(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

475170

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

Property Owner WSDOT

Site Address Vic. Of W. 16th and Main

Consulting Firm WSDOT

City \_\_\_\_\_ County Clark

Unique Ecology Well ID Tag No. \_\_\_\_\_

Location NW 1/4-1/4 NE 1/4 Sec 27 Twn 2N R. \_\_\_\_\_

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.

EWM  or WWM

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

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

Driller  Engineer  Trainee

Tax Parcel No. \_\_\_\_\_

Name (Print Last, First Name) Shepherd, Robert

Cased or Uncased Diameter 4" Static Level 27.7'

Driller/Engineer /Trainee Signature [Signature]

Work/Decommission Start Date 12/5/2012

Driller or Trainee License No. 2710

Work/Decommission Completed Date 12/5/2012

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

Construction Design	Well Data	Formation Description
		0 - 0.2 ft Pavement
		0.2 - 4.5 ft Gravel with sand and silt
		4.5 - 9.5 ft Sand with silt
		9.5 - 14.5 ft Gravel with sand and silt
		14.5 - 31 ft Sand
<p><b>RECEIVED</b></p> <p>JAN 16 2013</p> <p>WA State Department of Ecology (SWRO)</p>		

Boring was backfilled with bentonite hole plug to surface.

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

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

Job Number: XL-3604-H  
Boring: CRC-TR-47-12

Please print, sign and return to the Department of Ecology

# RESOURCE PROTECTION WELL REPORT

CURRENT Notice of Intent No. SE46822/AE19859

(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

475171

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

Property Owner WSDOT

Consulting Firm WSDOT

Site Address Vic. Of W. 16th and Main

Unique Ecology Well IDTag No. \_\_\_\_\_

City \_\_\_\_\_ County Clark

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.

Location NW 1/4-1/4 NE 1/4 Sec 27 Twn 2N R \_\_\_\_\_

EWM  or WWM

Driller  Engineer  Trainee  
 Name (Print Last, First Name) Shepherd, Robert  
 Driller/Engineer /Trainee Signature [Signature]  
 Driller or Trainee License No. 2710

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

Tax Parcel No. \_\_\_\_\_

Cased or Uncased Diameter 4" Static Level 27.7'

Work/Decommission Start Date 12/5/2012

Work/Decommission Completed Date 12/5/2012

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

Construction Design	Well Data	Formation Description
		0 - 0.2 ft Pavement
		0.2 - 4.5 ft Gravel with sand and silt
		4.5 - 9.5 ft Sand with silt
		9.5 - 14.5 ft Gravel with sand and silt
		14.5 - 31 ft Sand

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JAN 16 2013

WA State Department of Ecology (SWRO)



The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

Job Number: XL-3604-H  
Boring: CRC-TR-46-12

Please print, sign and return to the Department of Ecology

# RESOURCE PROTECTION WELL REPORT

CURRENT Notice of Intent No. SE46822/AE19859

(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

475172

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

Property Owner WSDOT

Consulting Firm WSDOT

Site Address Vic. Of W. 16th and Main

Unique Ecology Well IDTag No. \_\_\_\_\_

City \_\_\_\_\_ County Clark

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.

Location NW 1/4-1/4 NE 1/4 Sec 27 Twn 2N R \_\_\_\_\_

EWM  or WWM

Driller  Engineer  Trainee  
 Name (Print Last, First Name) Shepherd, Robert  
 Driller/Engineer /Trainee Signature [Signature]  
 Driller or Trainee License No. 2710

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

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

Tax Parcel No. \_\_\_\_\_

Cased or Uncased Diameter 4" Static Level 23'

Work/Decommission Start Date 12/4/2012

Work/Decommission Completed Date 12/4/2012

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

Construction Design	Well Data	Formation Description
<p>Boring was backfilled with bentonite hole plug to surface.</p>		0 - 0.333 ft Pavement
		0.3 - 3.5 ft Gravel with sand and silt
		3.5 - 13.5 ft Sand with silt
		13.5 - 30 ft Sand

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JAN 16 2013

WA State Department of Ecology (SWRO)

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

Job Number: XL-3604-H  
Boring: CRC-TR-46-12

Please print, sign and return to the Department of Ecology

# RESOURCE PROTECTION WELL REPORT

CURRENT Notice of Intent No. SE46822/AE19859

(SUBMIT ONE WELL REPORT PER WELL INSTALLED)

Construction/Decommission ("x" in box)

Type of Well ("x" in box)

- Construction
- Decommission

- Resource Protection
- Geotech Soil Boring

**475173**

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

Property Owner WSDOT

Consulting Firm WSDOT

Site Address Vic. Of W. 16th and Main

Unique Ecology Well IDTag No. \_\_\_\_\_

City \_\_\_\_\_ County Clark

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.

Location NW 1/4-1/4 NE 1/4 Sec 27 Twn 2N R \_\_\_\_\_

EWM  or WWM

Driller  Engineer  Trainee  
 Name (Print Last, First Name) Shepherd, Robert  
 Driller/Engineer /Trainee Signature [Signature]  
 Driller or Trainee License No. 2710

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

Tax Parcel No. \_\_\_\_\_

Cased or Uncased Diameter 4" Static Level 23'

Work/Decommission Start Date 12/4/2012

Work/Decommission Completed Date 12/4/2012

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

Construction Design	Well Data	Formation Description
		0 - 0.333 ft Pavement
		0.3 - 3.5 ft Gravel with sand and silt
		3.5 - 13.5 ft Sand with silt
		13.5 - 30 ft Sand

**RECEIVED**

JAN 16 2013

WA State Department of Ecology (SWRO)

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

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

Job Number: XL-3604-H  
Boring: CRC-TR-53-12

Please print, sign and return to the Department of Ecology

### RESOURCE PROTECTION WELL REPORT

CURRENT Notice of Intent No. SE-46822 / AE-19859

(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

475174

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

Property Owner WSDOT

Consulting Firm WSDOT

Site Address Vicinity of W. 16th & Main

Unique Ecology Well IDTag No. \_\_\_\_\_

City \_\_\_\_\_ County Clark

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.

Location NW 1/4-1/4 NE 1/4 Sec 27 Twn 2N R 1

EWM  or WWM

Driller  Engineer  Trainee

Name (Print Last, First Name) Nelson, Brad

Driller/Engineer /Trainee Signature [Signature]

Driller or Trainee License No. 2969

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

Tax Parcel No. \_\_\_\_\_

Cased or Uncased Diameter 4" Static Level \_\_\_\_\_

Work/Decommission Start Date 12/6/2012

Work/Decommission Completed Date 12/6/2012

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

Construction Design	Well Data	Formation Description
		0 - 0.3 ft Pavement
		0.3 - 2 ft Silt
		2 - 6 ft Gravel with sand and silt
		6 - 12 ft Sand
		12 - 15.5 ft Sand with silt
		15.5 - 16 ft Silt
		16 - 26.5 ft Sand with silt
		26.5 - 31 ft Sand with gravel

**RECEIVED**  
JAN 16 2013  
WA State Department of Ecology (SWRO)

Boring was backfilled with bentonite hole plug to surface.

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

Job Number: XL-3604-H  
 Boring: CRC-TR-53-12

Please print, sign and return to the Department of Ecology

**RESOURCE PROTECTION WELL REPORT**

**CURRENT Notice of Intent No.** SE-46822 / AE-19859

(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

**475175**

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

Property Owner WSDOT

Consulting Firm WSDOT

Site Address Vicinity of W.16th & Main

Unique Ecology Well IDTag No. \_\_\_\_\_

City \_\_\_\_\_ County Clark

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.

Location NW 1/4-1/4 NE 1/4 Sec 27 Twn 2 N R 1

EWM  or WWM

Driller  Engineer  Trainee  
 Name (Print Last, First Name) Nelson, Brad  
 Driller/Engineer /Trainee Signature [Signature]  
 Driller or Trainee License No. 2969

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

Tax Parcel No. \_\_\_\_\_

Cased or Uncased Diameter 4" Static Level \_\_\_\_\_

Work/Decommission Start Date 12/6/2012

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

Work/Decommission Completed Date 12/6/2012

Construction Design	Well Data	Formation Description
		0 - 0.3 ft      Pavement 0.3 - 2 ft      Silt 2 - 6 ft        Gravel with sand and silt 6 - 12 ft       Sand 12 - 15.5 ft   Sand with silt 15.5 - 16 ft   Silt 16 - 26.5 ft   Sand with silt 26.5 - 31 ft   Sand with gravel

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The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

Job Number: XL-3604-H  
Boring: CRC-TR-52-12

Please print, sign and return to the Department of Ecology

# RESOURCE PROTECTION WELL REPORT

CURRENT Notice of Intent No. SE-46822 / AE-19859

(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

475176

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

Property Owner WSDOT

Consulting Firm WSDOT

Site Address Vicinity of W16th & Main

Unique Ecology Well IDTag No. \_\_\_\_\_

City \_\_\_\_\_ County Clark

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.

Location NW 1/4-1/4 NE 1/4 Sec 27 Twn 2 N R 1

EWM  or WWM

Driller  Engineer  Trainee  
 Name (Print Last, First Name) Nelson, Brad  
 Driller/Engineer /Trainee Signature [Signature]  
 Driller or Trainee License No. 2969

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

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

Tax Parcel No. \_\_\_\_\_

Cased or Uncased Diameter 4" Static Level \_\_\_\_\_

Work/Decommission Start Date 12/6/2012

Work/Decommission Completed Date 12/6/2012

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

Construction Design	Well Data	Formation Description
<p>Boring was backfilled with bentonite hole plug to surface.</p>		0 - 0.4 ft Pavement
		0.4 - 6 ft Silt
		6 - 12.5 ft Sand with silt
		12.5 - 13.5 ft Gravel with sand and silt
		13.5 - 29 ft Sand
		29 - 29.5 ft Sand with silt
29.5 - 31 ft Silt		

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JAN 16 2013

WA State Department of Ecology (SWRO)

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

Job Number: XL-3604-H  
 Boring: CRC-TR-52-12

Please print, sign and return to the Department of Ecology

**RESOURCE PROTECTION WELL REPORT**

**CURRENT Notice of Intent No.** SE-46822 / AE-19859

(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

475177

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

Property Owner WSDOT

Consulting Firm WSDOT

Site Address Vicinity of W16th & Main

Unique Ecology Well ID Tag No. \_\_\_\_\_

City \_\_\_\_\_ County Clark

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.

Location NW 1/4-1/4 NE 1/4 Sec 27 Twn 2 N R 1

EWM  or WWM

Driller  Engineer  Trainee  
 Name (Print Last, First Name) Nelson, Brad

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

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

Driller/Engineer /Trainee Signature [Signature]

Tax Parcel No. \_\_\_\_\_

Driller or Trainee License No. 2969

Cased or Uncased Diameter 4" Static Level \_\_\_\_\_

Work/Decommission Start Date 12/6/2012

Work/Decommission Completed Date 12/6/2012

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

Construction Design	Well Data	Formation Description
		0 - 0.4 ft      Pavement 0.4 - 6 ft      Silt 6 - 12.5 ft      Sand with silt 12.5 - 13.5 ft      Gravel with sand and silt 13.5 - 29 ft      Sand 29 - 29.5 ft      Sand with silt 29.5 - 31 ft      Silt

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WA State Department of Ecology (SWRO)

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

Job Number: XL-3604-H  
Boring: CRC-TR-45P-12

Please print, sign and return to the Department of Ecology

### RESOURCE PROTECTION WELL REPORT

CURRENT Notice of Intent No. RE07851

(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

475211

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

Property Owner WSDOT

Consulting Firm WSDOT

Site Address Vic. Of West 17th and Broadway

Unique Ecology Well ID Tag No. BHB 873

City \_\_\_\_\_ County Clark

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.

Location NW 1/4-1/4 NE 1/4 Sec 27 Twn 2N R. \_\_\_\_\_

EWM  or WWM

Driller  Engineer  Trainee  
Name (Print Last, First Name) Shepherd, Robert

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

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

Driller/Engineer /Trainee Signature [Signature]

Tax Parcel No. \_\_\_\_\_

Driller or Trainee License No. 2710

Cased or Uncased Diameter 6" Static Level 26.2'

Work/Decommission Start Date 12/4/2012

Work/Decommission Completed Date 12/4/2012

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

Construction Design	Well Data	Formation Description
0 - 2 ft Top Seal		0 - 0.3 ft Pavement
2 - 14 ft Pipe in bentonite		0.3 - 14 ft Sand with silt
14 - 19 ft Pipe in sand		14 - 19 ft Gravel with sand and silt
19 - 29 ft Screen in sand		19 - 24 ft Sand with gravel
29 - 30.5 ft Bottom seal		24 - 30.5 ft Sand

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JAN 16 2013

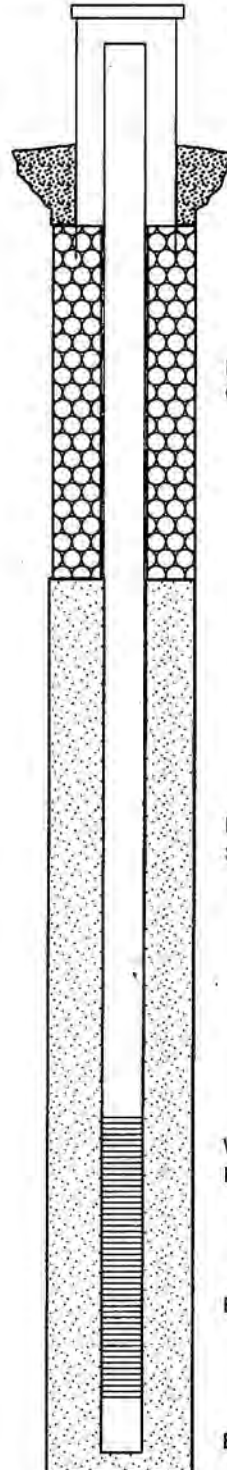
WA State Department of Ecology (SWRO)

# RESOURCE PROTECTION WELL REPORT

Job No.: XL-3604-G Decommission card #: AE-28708  
 Project: Columbia River Crossing Park & Ride and Transit Structures Clark  
 Hole#: CRC-TR-04p-11 Well ID#: BCH-770 Location: NW1/4 of NE1/4 Sec: 27 Twn: 2 N Range: 1 EWM  
 Method: Mud Rotary Street Address of Well: Vic of Est. 15th. + Washington st.  
 Driller: Henderson, Danny Lic #: 2742 Water Table Depth: DRY  
 Company: WA State Dept. of Transportation Ground Surface Elevation: 89.13  
 Signature: [Signature] Installed: 9/15/2011 Decommissioned: 10-6-14  
Cased Hole: 1"

Casing 6

Filled pipe with bentonite slurry.  
Cut off 2ft blow ground and sealed to of hole.



Protective Casing,  
Stick-up 2ft

Instrument Pipe'  
stick-up 1 1/2ft

Ground Surface

Cement Surface Seal  
from 0.0 ft. to 1.5 ft.

Instrument Pipe in  
Granular Bentonite, from 1.5 ft. to 5.0 ft.

Instrument Pipe in  
SAND, from      ft. to      ft.

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WA State Department  
of Ecology (SWRO)

Well Screen  
In Clean Sand, from 5.0 ft. to 25.0 ft

Bottom Seal, from 25.0 ft. to 134.5 ft

Bottom of Hole 134.5 ft.

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report

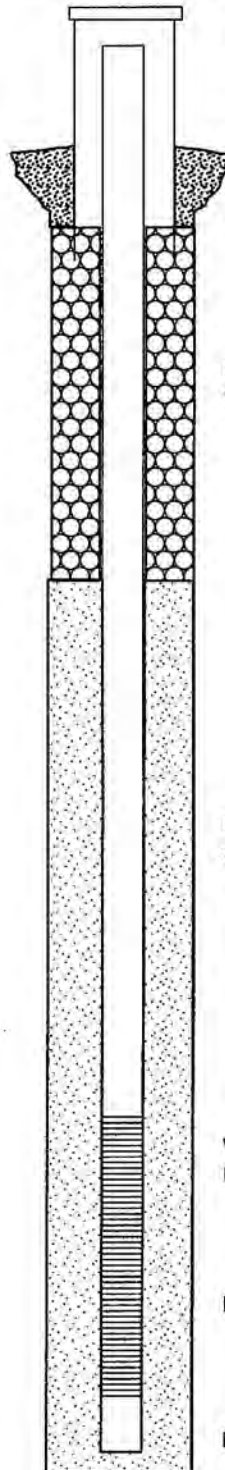


# RESOURCE PROTECTION WELL REPORT

Job No.: XL-3604-G Decommission card #: AE-28708  
 Project: Columbia River Crossing Park & Ride and Transit Structures Clark  
 Hole#: CRC-TR-01p-11 Well ID#: BCH-769 Location: NW1/4 of NE1/4 Sec: 27 Twn: 2 N Range: 1 EWM  
 Method: Mud Rotary Street Address of Well: Vicinity of East 15th St. and Washington St.  
 Driller: Henderson, Danny Lic #: 2742 Water Table Depth: 78.8  
 Company: WA State Dept. of Transportation Ground Surface Elevation: 87.34  
 Signature: [Signature] Installed: 9/1/2011 Decommissioned: 10-6-14  
 Cased Hole: 1"

Casing 5

Filled pipe with bentonite slurry.  
Cut off 2ft blow ground and sealed to of hole.



Protective Casing,  
Stick-up 2ft

Instrument Pipe'  
stick-up 1 1/2ft

Ground Surface

Cement Surface Seal

from 0.0 ft. to 2.0 ft.

Instrument Pipe in  
Granular Bentonite, from 2.0 ft. to 65.0 ft.

Instrument Pipe in  
SAND, from 65.0 ft. to 69.0 ft.

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APR 03 2015

WA State Department  
of Ecology (SWRO)

Well Screen

In Clean Sand, from 69.0 ft. to 89.0 ft

Bottom Seal, from 89.0 ft. to 129.2 ft

Bottom of Hole 129.2 ft.

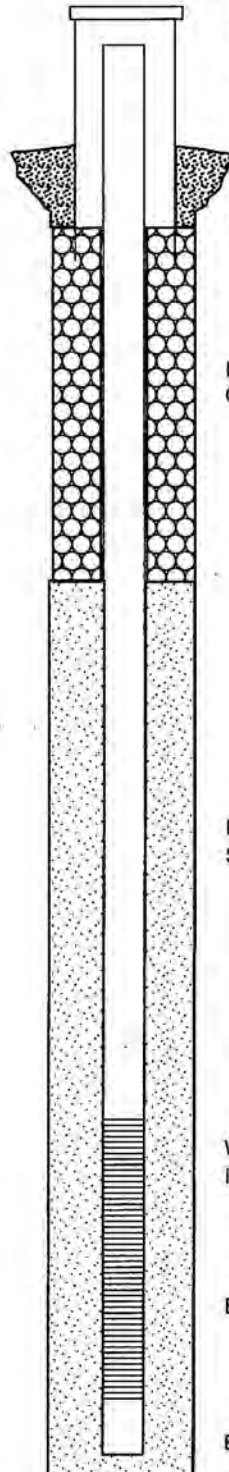
The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report

# RESOURCE PROTECTION WELL REPORT

Job No.: XL-3604-H Decommission card #: AE-28708  
 Project: I-5 Columbia River Crossing - Transit Light Rail Segment County: Clark  
 Hole#: CRC-TR-45p-12 Well ID#: BHB-873 Location: NW1/4 of NE1/4 Sec: 27 Twn: 2 N Range: 1 EWM  
 Method: Wet Rotary Street Address of Well: Vicinity of 17th & Broadway  
 Driller: Hanning, William Lic #: 2196 Water Table Depth: DRY  
 Company: WA State Dept of Transportation Ground Surface Elevation: 93.12  
 Signature: *[Signature]* Installed: 12/4/2012 Decommissioned: 12/31/14  
Cased Hole: 1"

Casing 6

Filled pipe with bentonite slurry.  
Cut off 2ft blow ground and sealed to of hole.



Protective Casing,  
Stick-up 2ft

Instrument Pipe'  
stick-up 1 1/2ft

Ground Surface

Cement Surface Seal  
from 0.0 ft. to 2.0 ft.

Instrument Pipe in  
Granular Bentonite, from 2.0 ft. to 14.0 ft.

Instrument Pipe in  
SAND, from 14.0 ft. to 19.0 ft.

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**MAY 05 2015**

**WA State Department  
of Ecology (S&ERO)**

Well Screen  
In Clean Sand, from 19.0 ft. to 29.0 ft

Bottom Seal, from 29.0 ft. to 30.5 ft

Bottom of Hole 30.5 ft

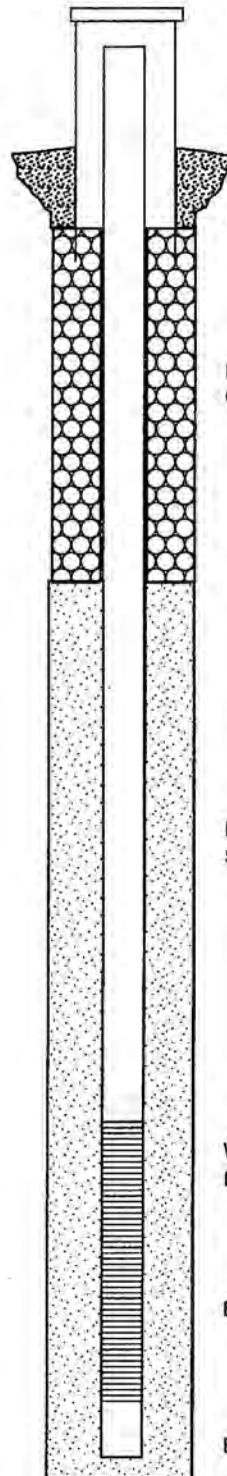
The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report

# RESOURCE PROTECTION WELL REPORT

Job No.: XL-3604-G Decommission card #: AE-28706  
 Project: Columbia River Crossing Park & Ride and Transit Structures Clark  
 Hole#: CRC-TR-11p-12 Well ID#: BHM 712 Location: NW1/4 of NE1/4 Sec: 27 Twn: 2N Range: 1 EWM  
 Method: Mud Rotary Street Address of Well: Vic. Of W. 16th and Main St.  
 Driller: Henderson, Danny Lic #: 2742 Water Table Depth: DRY  
 Company: WA State Dept. of Transportation Ground Surface Elevation: 90.29  
 Signature: *[Signature]* Installed: 3/27/2012 Decommissioned: 10-7-14  
Cased Hole: 1"

Casing 6

Filled pipe with bentonite slurry.  
Cut off 2ft blow ground and sealed to of hole.



Protective Casing,  
Stick-up 2ft

Instrument Pipe'  
stick-up 1 1/2ft

Ground Surface

Cement Surface Seal  
from 0.0 ft. to 2.0 ft.

Instrument Pipe in  
Granular Bentonite, from 2.0 ft. to 15.0 ft.

Instrument Pipe in  
SAND, from 15.0 ft. to 20.0 ft.

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WA State Department  
of Ecology (SWRO)

Well Screen  
In Clean Sand, from 20.0 ft. to 40.0 ft

Bottom Seal, from 40.0 ft. to 119.3 ft

Bottom of Hole 119.3 ft.

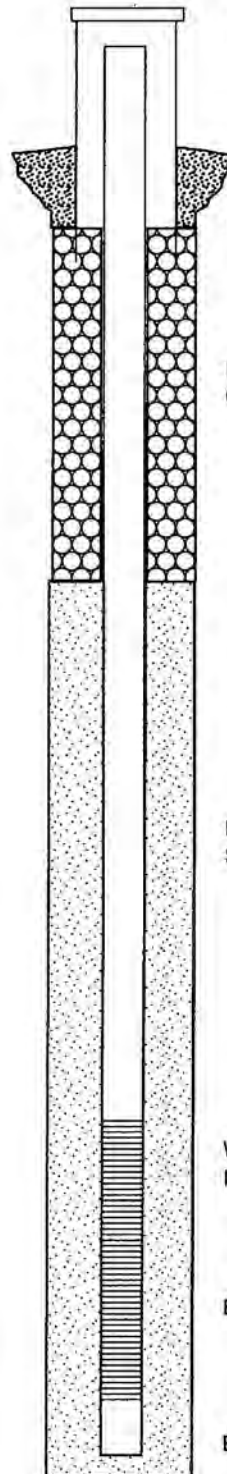
The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report

# RESOURCE PROTECTION WELL REPORT

Job No.: XL-3604-G Decommission card #: AE-28706  
 Project: Columbia River Crossing Park & Ride and Transit Structures Clark  
 Hole#: CRC-TR-09p-12 Well ID#: BHM-714 Location: NW1/4 of NE1/4 Sec: 27 Twn: 2-N Range: 1 EWM  
 Method: Mud Rotary Street Address of Well: Vic of West 16th. and Main St.  
 Driller: Henderson, Danny Lic #: 2742 Water Table Depth: 80.5  
 Company: WA State Dept. of Transportation Ground Surface Elevation: 89.16  
 Signature: [Signature] Installed: 3/22/2012 Decommissioned: 10-6-14  
Cased Hole: 1"

Casing 4

Filled pipe with bentonite slurry.  
Cut off 2ft blow ground and sealed to of hole.



Protective Casing,  
Stick-up 2ft

Instrument Pipe'  
stick-up 1 1/2ft

Ground Surface

Cement Surface Seal  
from 0.0 ft. to 1.5 ft.

Instrument Pipe in  
Granular Bentonite, from 1.5 ft. to 71.0 ft.

Instrument Pipe in  
SAND, from 71.0 ft. to 73.0 ft.

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APR 03 2015

**WA State Department  
of Ecology (SWRO)**

Well Screen  
In Clean Sand, from 73.0 ft. to 83.0 ft

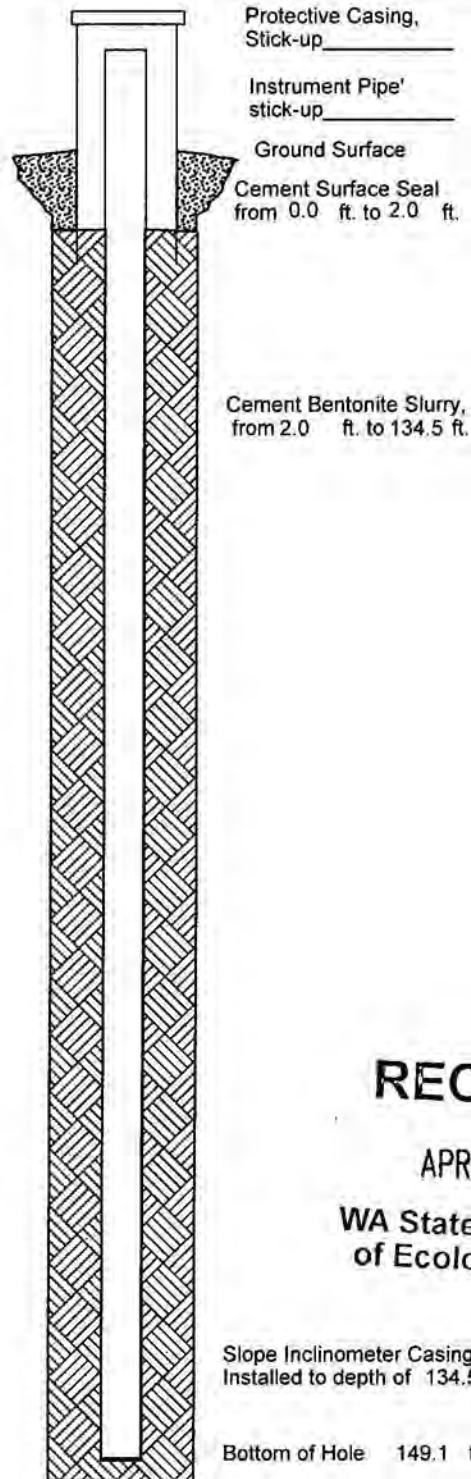
Bottom Seal, from 83.0 ft. to 119.5 ft

Bottom of Hole 119.5 ft.

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report

# RESOURCE PROTECTION WELL REPORT

Job No.: XL-3604-G Decommission card #: AE-28706  
Project: Columbia River Crossing Park & Ride and Transit Structures Clark  
Hole#: CRC-TR-12si-12 Well ID#: BHM-715 Location: NW1/4 of NE1/4 Sec: 27 Twn: 2 N Range: 1 EWM  
Method: Mud Rotary Street Address of Well: Vicinity of West 16th and Main St.  
Driller: Henderson, Danny Lic #: 2742 Water Table Depth: 77.4  
Company: WA State Dept. of Transportation Ground Surface Elevation: 89.97  
Signature: [Signature] Installed: 3/21/2012 Decommissioned: 10-6-14  
Cased Hole: 2"



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WA State Department  
of Ecology (SWRO)

Slope Incliner Casing,  
Installed to depth of 134.5 ft.

Bottom of Hole 149.1 ft.

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report

# GEOTECHNICAL BORING REPORT

(SUBMIT ONE WELL REPORT PER WELL INSTALLED)

CURRENT

Notice of Intent No.

AE30927

Construction/Decommission

**101-15-0025(9234)**

Type of Well

Construction

Decommission ORIGINAL INSTALLATION Notice

of Intent Number SE54117

Geotechnical Soil Boring

Property Owner Lansdorf Gregerson

Site Address 415 E 17th St

Consulting Firm PBS Engineering Environmental

City Vancouver County Clark

Geotechnical Soil Boring

Location 1/4 NW 1/4 NE Sec 27 Twp. 2N R. 1E or

Bole # B-3

WWM

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

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

Tax Parcel No. 40790

Driller  Trainee Name (Print)

Joe Staloch

Driller/Trainee Signature

*Joe Staloch*

Cased or Uncased Diameter 2.25" Static Level N/A'

Driller/Trainee License No. 2749

Work/Decommission Start Date 01/23/2015

If trainee, licensed driller's

Signature and License No.

Work/Decommission Completed Date 01/23/2015

Construction/Design

Formation Description

	CONCRETE SURFACE SEAL <u>0 - 1</u> FT	<u>0 - 10</u> FT brown sandy silt
	BACKFILL Bentonite chips <u>1 - 15</u> FT	<u>10 - 14</u> FT Grayish brown sandy silt
	Backfill boring with bentonite chips.	<u>14 - 15</u> FT black/gray sandy gravels
	Restore surface with gravel.	_____ FT
	DEPTH OF BORING <u>15</u> FT	_____ FT

MAR 02 2015  
 WA State Department of Ecology (SWRO)

Scale 1" = 3'

Page 1 of 1

ECY 050-12 (Rev= 2/01)

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report

# GEOTECHNICAL BORING REPORT

(SUBMIT ONE WELL REPORT PER WELL INSTALLED)

**CURRENT**

Notice of Intent No.

SE54117

Construction/Decommission

101-15-0025(9234)

Type of Well

Construction

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

Geotechnical Soil Boring

Consulting Firm PBS Engineering Environmental

Property Owner Lansdorf Gregerson

Site Address 415 E 17th St

City Vancouver County Clark

Geotechnical Soil Boring

Hole # B-3

Location 1/4 NW 1/4 NE Sec 27 Twn 2N R 1E or \_\_\_\_\_  
EWM  
WWM

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  Trainee Name (Print) Joe Staloch

Driller/Trainee Signature *Joe Staloch*

Driller/Trainee License No. 2749

Tax Parcel No. 40790

Cased or Uncased Diameter 2.25" Static Level N/A

Work/Decommission Start Date 01/23/2015

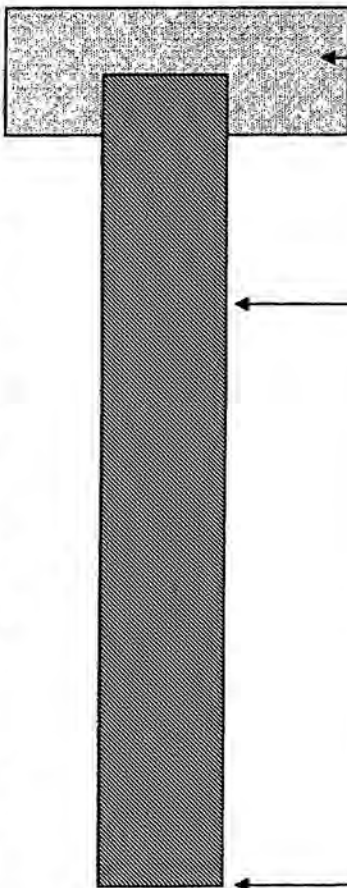
If trainee, licensed driller's \_\_\_\_\_

Signature and License No. \_\_\_\_\_

Work/Decommission Completed Date 01/23/2015

Construction/Design

Formation Description



CONCRETE SURFACE SEAL

0 - 1 FT

BACKFILL

1 - 15 FT

Bentonite chips

Soil samples only no ground water samples taken.

DEPTH OF BORING 15 FT

0 - 10 FT

brown sandy silt

10 - 14 FT

Grayish brown sandy silt

14 - 15 FT

black/gray sandy gravels

\_\_\_\_\_ FT

\_\_\_\_\_ FT

\_\_\_\_\_ FT

\_\_\_\_\_ FT

\_\_\_\_\_ FT

**RECEIVED**

\_\_\_\_\_ FT

MAR 02 2015

WA State Department of Ecology (SWRO)

Scale 1" = 3'

Page 1 of 1

ECY 050-12 (Rev-v 2/01)

# GEOTECHNICAL BORING REPORT

(SUBMIT ONE WELL REPORT PER WELL INSTALLED)

**CURRENT**

Notice of Intent No.

SE54117

Construction/Decommission

101-15-0025(9234)

Type of Well

Construction

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

Geotechnical Soil Boring

Property Owner Lansdorf Gregerson

Site Address 415 E 17th St

City Vancouver County Clark

Consulting Firm PBS Engineering Environmental

Location 1/4 NW 1/4 NE Sec 27 Twn 2N R 1E or \_\_\_\_\_  
EWM  
WWM

Geotechnical Soil Boring

Hole # B-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  Trainee Name (Print) Joe Staloch

Driller/Trainee Signature Joseph R. Staloch

Driller/Trainee License No. 2749

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

Tax Parcel No. 40790

Cased or Uncased Diameter 2.25" Static Level N/A'

Work/Decommission Start Date 01/23/2015

If trainee, licensed driller's

Signature and License No. Joseph R. Staloch 2749

Work/Decommission Completed Date 01/23/2015

Construction/Design

Formation Description



CONCRETE SURFACE SEAL

0 - 1 FT

BACKFILL

1 - 20 FT

Bentonite chips

Soil samples only no ground water samples taken.

DEPTH OF BORING 20 FT

0 - 10 FT

brown sandy silt

10 - 14 FT

Grayish brown sandy silt

14 - 20 FT

black/gray sandy gravels

\_\_\_\_\_ FT

\_\_\_\_\_ FT

\_\_\_\_\_ FT

\_\_\_\_\_ FT

\_\_\_\_\_ FT

**RECEIVED**

MAR 02 2015 FT

WA State Department of Ecology (SWRO) FT

Scale 1" = 4'

Page 1 of 1

ECY 050-12 (Rev= 2/01)

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report



# GEOTECHNICAL BORING REPORT

(SUBMIT ONE WELL REPORT PER WELL INSTALLED)

CURRENT

Notice of Intent No.

AE30927

Construction/Decommission

**101-15-0025(9234)**

Type of Well

Construction

Decommission ORIGINAL INSTALLATION Notice

of Intent Number SE54117

Geotechnical Soil Boring

Property Owner Lansdorf Gregerson

Site Address 415 E 17th St

Consulting Firm PBS Engineering Environmental

City Vancouver County Clark

Geotechnical Soil Boring

Location 1/4 NW 1/4 NE Sec 27 Twp 2N R 1E or

Role # B-4

EWM or WWM

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

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

Tax Parcel No. 40790

Driller  Trainee Name (Print)

Joe Staloch

Driller/Trainee Signature

*Joe Staloch*

Cased or Uncased Diameter 2.25" Static Level N/A'

Driller/Trainee License No.

2749

Work/Decommission Start Date 01/23/2015

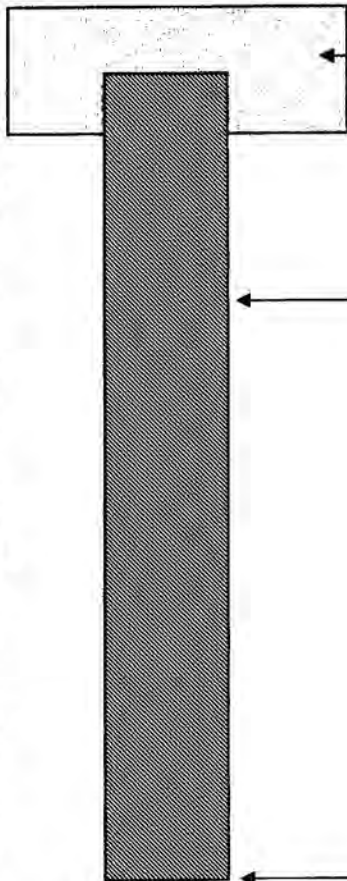
If trainee, licensed driller's

Signature and License No.

Work/Decommission Completed Date 01/23/2015

Construction/Design

Formation Description



CONCRETE SURFACE SEAL

0 - 1 FT

BACKFILL

1 - 15 FT

Bentonite chips

Backfill boring with bentonite chips.

Restore surface with gravel.

DEPTH OF BORING 15 FT

0 - 10 FT

brown sandy silt

10 - 14 FT

Grayish brown sandy silt

14 - 15 FT

black/gray sandy gravels

\_\_\_\_\_ FT

\_\_\_\_\_ FT

\_\_\_\_\_ FT

\_\_\_\_\_ FT

\_\_\_\_\_ FT

\_\_\_\_\_ FT

MAR 02 2015

\_\_\_\_\_ FT

of Ecology (S.W.O)

Scale 1" = 3'

Page 1 of 1

ECY 050-12 (Rev=2/01)

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report

# GEOTECHNICAL BORING REPORT

(SUBMIT ONE WELL REPORT PER WELL INSTALLED)

**CURRENT**

Notice of Intent No.

AE30927

Construction/Decommission

**101-15-0025(9234)**

Type of Well

Construction

Decommission *ORIGINAL INSTALLATION* Notice  
of Intent Number SE54117

Geotechnical Soil Boring

Property Owner Lansdorf Gregerson

Site Address 415 E 17th St

City Vancouver County Clark

Location 1/4 NW 1/4 NE Sec 27 Twp 2N R 1E or

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

Tax Parcel No. 40790

Cased or Uncased Diameter 2.25" Static Level N/A'

Work/Decommission Start Date 01/23/2015

Work/Decommission Completed Date 01/23/2015

Consulting Firm PBS Engineering Environmental

Geotechnical Soil Boring

Hole # B-2

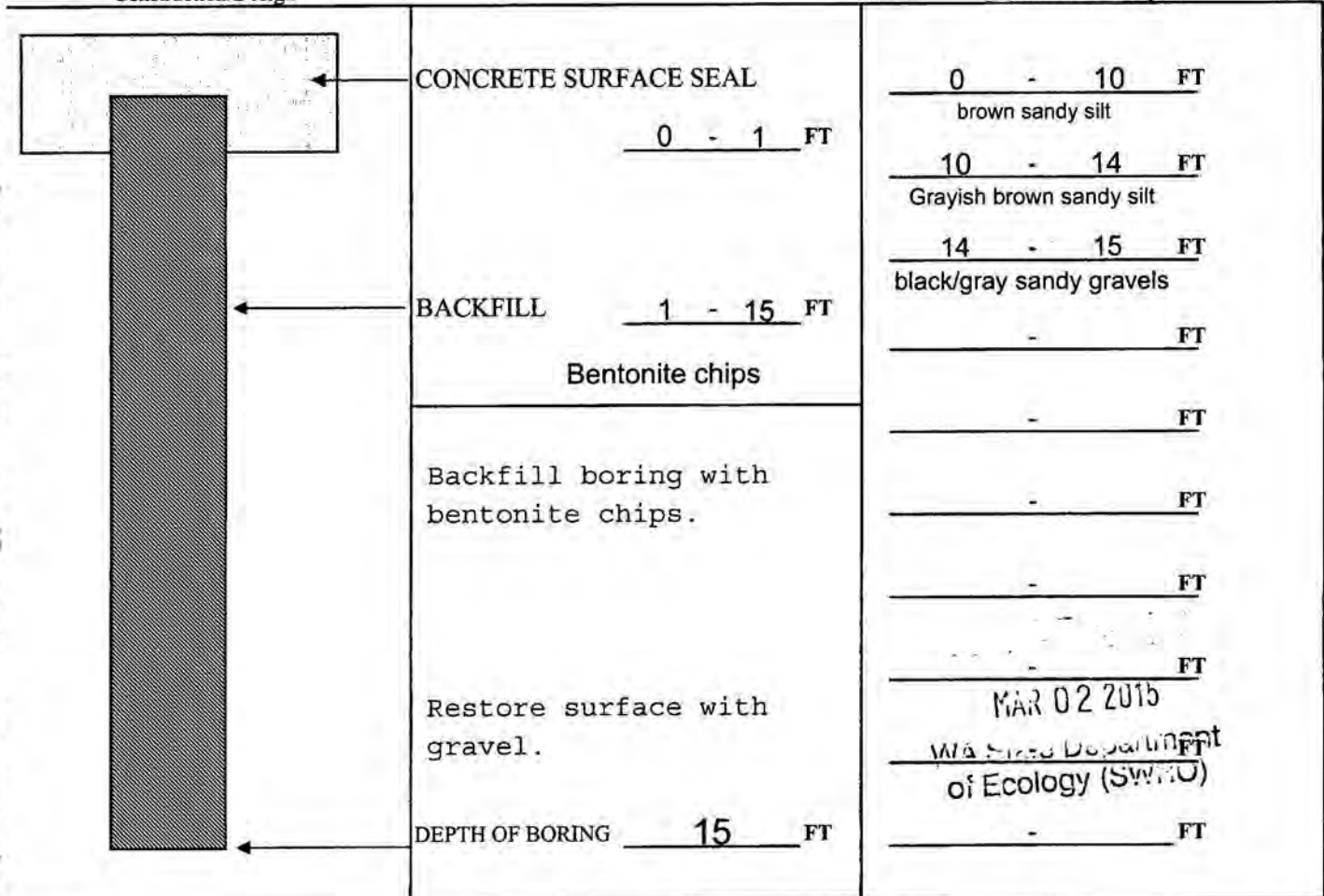
WELL CONSTRUCTION CERTIFICATION: I constructed and/or accept responsibility for construction of this well, and its compliance with all Washington well construction standards. Materials used and the information reported above are true to my best knowledge and belief.

Driller  Trainee Name (Print) Joe Staloch  
Driller/Trainee Signature [Signature]  
Driller/Trainee License No. 2749

If trainee, licensed driller's  
signature and License No. \_\_\_\_\_

Construction/Design

Formation Description



Scale 1" = 3'

Page 1 of 1

ECY 050-12 (Rev. 2/01)

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report

# GEOTECHNICAL BORING REPORT

(SUBMIT ONE WELL REPORT PER WELL INSTALLED)

CURRENT

Notice of Intent No.

AE30927

Construction/Decommission

**101-15-0025(9234)**

Type of Well

Construction

Decommission ORIGINAL INSTALLATION Notice

of Intent Number SE54117

Geotechnical Soil Boring

Property Owner Lansdorf Gregerson

Site Address 415 E 17th St

City Vancouver County Clark

Location 1/4 NW 1/4 NE Sec 27 Twp. 2N R 1E or

WWM

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

still Required) Long Deg \_\_\_\_\_ Long Min/Sec \_\_\_\_\_

Tax Parcel No. 40790

Cased or Uncased Diameter 2.25" Static Level N/A'

Work/Decommission Start Date 01/23/2015

Work/Decommission Completed Date 01/23/2015

Consulting Firm PBS Engineering Environmental

Geotechnical Soil Boring

Hole # B-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  Trainee Name (Print)

Joe Staloch

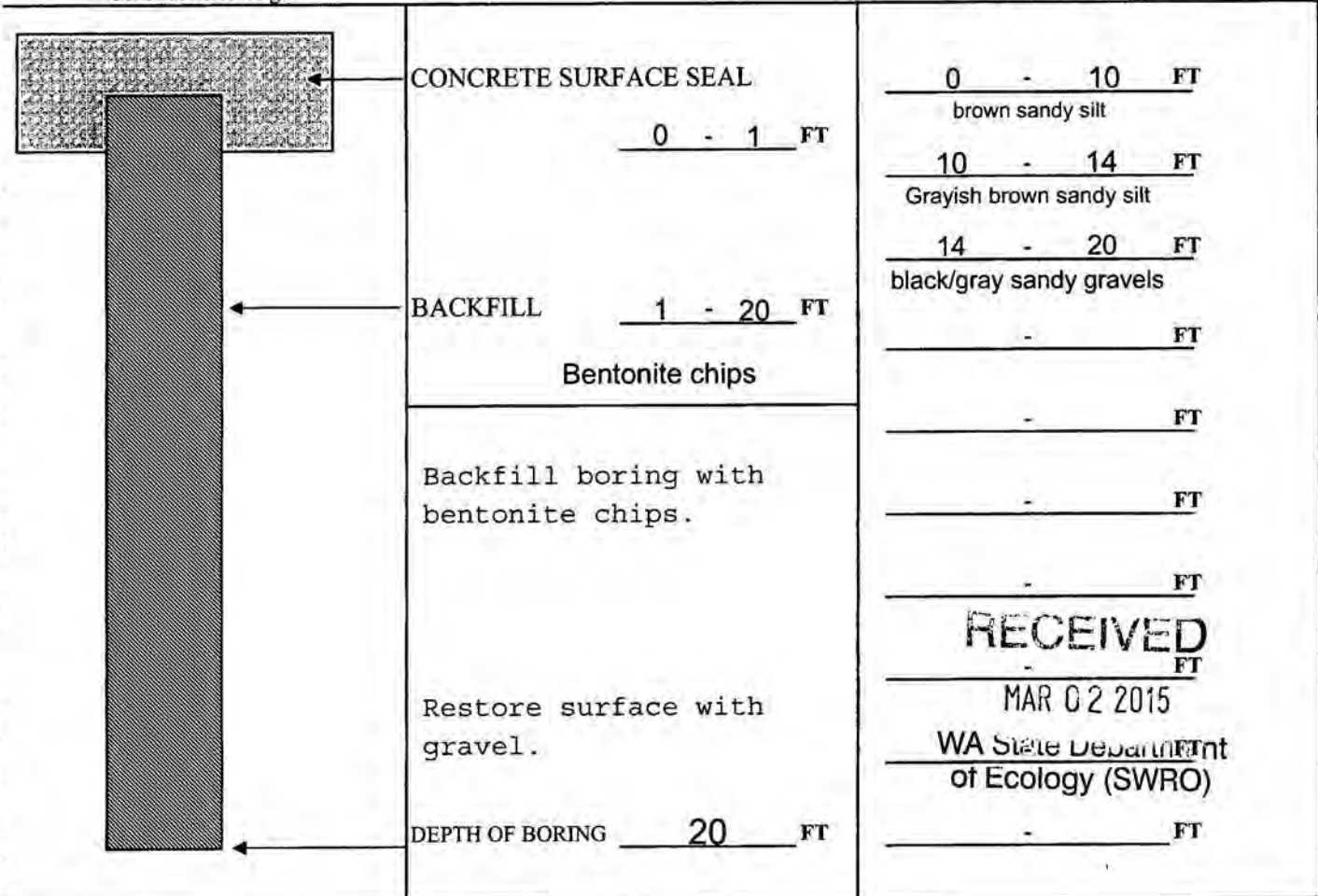
Driller/Trainee Signature

Driller/Trainee License No. 2749

Driller/Trainee signature and License No.

Construction/Design

Formation Description



RECEIVED

MAR 02 2015

WA State Department of Ecology (SWRO)

scale 1" = 4'

Page 1 of 1

ECY 050-12 (Rev= 2/01)

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report

# GEOTECHNICAL BORING REPORT

(SUBMIT ONE WELL REPORT PER WELL INSTALLED)

**CURRENT**

Notice of Intent No. \_\_\_\_\_

SE54117

Construction/Decommission

**101-15-0025(9234)**

Type of Well

Construction

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

Geotechnical Soil Boring

Property Owner Lansdorf Gregerson

Site Address 415 E 17th St

City Vancouver County Clark

Location 1/4 NW 1/4 NE Sec 27 Twn 2N R 1E or \_\_\_\_\_  
EWM  
WWM

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

Tax Parcel No. 40790

Cased or Uncased Diameter 2.25" Static Level N/A'

Work/Decommission Start Date 01/23/2015

Work/Decommission Completed Date 01/23/2015

Consulting Firm PBS Engineering Environmental

Geotechnical Soil Boring

Hole # B-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  Trainee Name (Print) Joe Stalech

Driller/Trainee Signature *Joseph R. Stalech*

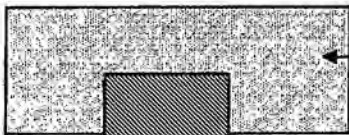
Driller/Trainee License No. 2749

If trainee, licensed driller's

Signature and License No. \_\_\_\_\_

Construction/Design

Formation Description



CONCRETE SURFACE SEAL

0 - 1 FT

BACKFILL

1 - 15 FT

Bentonite chips

Soil samples only no ground water samples taken.

DEPTH OF BORING 15 FT

0 - 10 FT

brown sandy silt

10 - 14 FT

Grayish brown sandy silt

14 - 15 FT

black/gray sandy gravels

\_\_\_\_\_ FT

\_\_\_\_\_ FT

\_\_\_\_\_ FT

\_\_\_\_\_ FT

**RECEIVED** FT

MAR 02 2015

WA State Department of Ecology (SWRO)

\_\_\_\_\_ FT

Scale 1" = 3'

Page 1 of 1

ECY 050-12 (Rev-v 2/01)

# GEOTECHNICAL BORING REPORT

(SUBMIT ONE WELL REPORT PER WELL INSTALLED)

CURRENT

Notice of Intent No.

SE54117

Construction/Decommission

101-15-0025(9234)

Type of Well

Construction

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

Geotechnical Soil Boring

Property Owner Lansdorf Gregerson

Site Address 415 E 17th St

City Vancouver County Clark

Consulting Firm PBS Engineering Environmental

Geotechnical Soil Boring

Hole # B-4

Location 1/4 NW 1/4 NE Sec 27 Twn 2N R 1E or WWM

WELL CONSTRUCTION CERTIFICATION: I constructed and/or accept responsibility for construction of this well, and its compliance with all Washington well construction standards

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

Materials used and the information reported above are true to my best knowledge and belief

Tax Parcel No. 40790

Driller  Trainee Name (Print)

Joe Staloch

Driller/Trainee Signature [Signature]

Cased or Uncased Diameter 2.25" Static Level N/A'

Driller/Trainee License No. 2749

Work/Decommission Start Date 01/23/2015

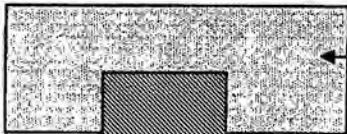
If trainee, licensed driller's

Signature and License No. \_\_\_\_\_

Work/Decommission Completed Date 01/23/2015

Construction/Design

Formation Description



CONCRETE SURFACE SEAL

0 - 1 FT

BACKFILL

1 - 15 FT

Bentonite chips

Soil samples only no ground water samples taken.

DEPTH OF BORING 15 FT

0 - 10 FT

brown sandy silt

10 - 14 FT

Grayish brown sandy silt

14 - 15 FT

black/gray sandy gravels

FT

FT

FT

FT

FT

~~RECEIVED~~ FT

MAR 02 2015 FT

WA State Department of Ecology (SWRO)

Scale 1" = 3'

Page 1 of 1

ECY 050-12 (Rev=v 2/01)

The Department of Ecology does NOT warrant the Data and/or the Information on this Well Report

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

Please print, sign and return to the Department of Ecology

# RESOURCE PROTECTION WELL REPORT

CURRENT Notice of Intent No. AE23431

(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

495105

ORIGINAL INSTALLATION Notice of Intent Number:

SE49218

Consulting Firm

Unique Ecology Well IDTag No.

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) JOHNSON, MARCUS

Driller/Engineer /Trainee Signature *Marcus Johnson*

Driller or Trainee License No. 3040

Property Owner O & M MIDDEN LLC

Site Address 300 W MILL PLAIN BLVD

City VANCOUVER County CLARK

Location NW1/4-1/4 NE1/4 Sec 27 TwN 2N R 1E

EWM  or WWM

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


Tax Parcel No.

Cased or Uncased Diameter 1.5" Static Level N/A

Work/Decommission Start Date 8/22/2013

Work/Decommission Completed Date 8/22/2013

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

Construction Design	Well Data	Formation Description
<p>0' (Ground Surface)</p>  <p>10'</p>	<p>SOIL VAPOR SAMPLE TAKEN BY USING 1.5" DIRECT PUSH METHOD FROM 0'-10'</p> <p>BACKFILLED WITH .25 BAG OF BENTONITE CHIPS FROM 10'-0'</p>	<p>SANDS 0'-10'</p> <p style="text-align: center; font-size: 24px; font-weight: bold;">RECEIVED</p> <p style="text-align: center; font-size: 18px;">OCT 22 2013</p> <p style="text-align: center;">WA State Department of Ecology (SWRO)</p>

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

Please print, sign and return to the Department of Ecology

# RESOURCE PROTECTION WELL REPORT

CURRENT Notice of Intent No. AE23431

(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

495106

ORIGINAL INSTALLATION Notice of Intent Number:

SE49218

Property Owner O & M MIDDEN LLC

Site Address 300 W MILL PLAIN BLVD

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

City VANCOUVER County CLARK

Unique Ecology Well IDTag No. \_\_\_\_\_

Location NW1/4-1/4 NE1/4 Sec 27 TwN 2N R 1E

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.

EWM  or WWM

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

- Driller
- Engineer
- Trainee

Name (Print Last, First Name) JOHNSON, MARCUS

Driller/Engineer /Trainee Signature Marcus Johnson

Driller or Trainee License No. 3040


Tax Parcel No. \_\_\_\_\_

Cased or Uncased Diameter 1.5" Static Level N/A

Work/Decommission Start Date 8/22/2013

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

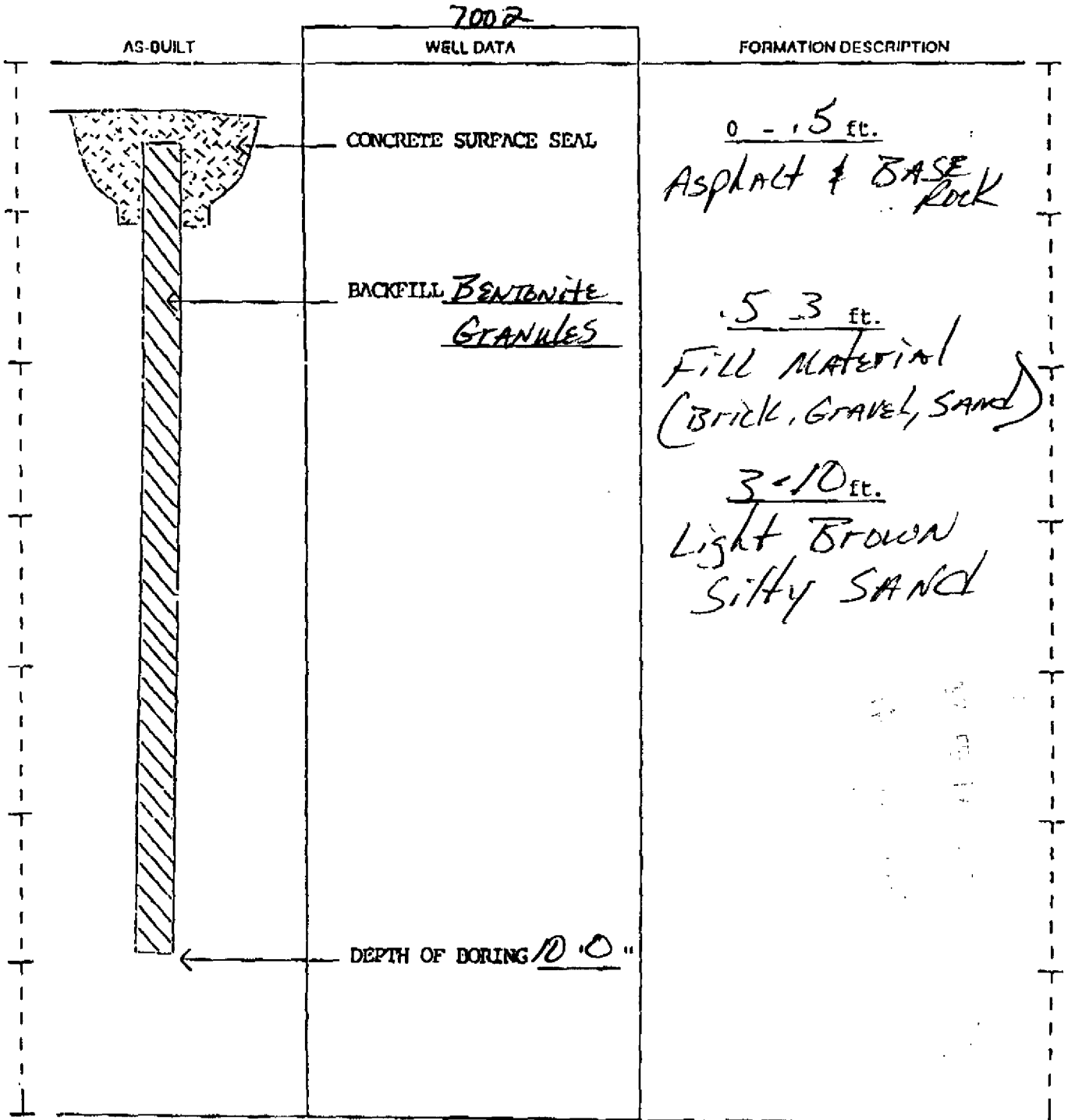
Work/Decommission Completed Date 8/22/2013

Construction Design	Well Data	Formation Description
<p>0' (Ground Surface)</p>  <p>10'</p>	<p>SOIL VAPOR SAMPLE TAKEN BY USING 1.5" DIRECT PUSH METHOD FROM 0'-10'</p> <p>BACKFILLED WITH .25 BAG OF BENTONITE CHIPS FROM 10'-0'</p>	<p>SANDS 0'-10'</p> <p style="text-align: center;">RECEIVED OCT 22 2013 WA State Department of Ecology (SWRO)</p>

# RESOURCE PROTECTION WELL REPORT

PROJECT NAME: Westward Properties  
 (PARKING LOT)  
 WELL IDENTIFICATION NO. N/A  
 DRILLING METHOD: PROBE / Soil Sample  
 DRILLER: Michael Kehlach  
 FIRM: Cascade Drilling, Inc  
 SIGNATURE: M. K. Kehlach  
 CONSULTING FIRM: NW ENVIROCON  
 REPRESENTATIVE: JEFF JACKMAN

START CARD NO. A18860  
 COUNTY: CLARK  
 LOCATION: NW 1/4 NE 1/4 Sec 27 Twp 2N R 1E  
 STREET ADDRESS OF WELL: Between W. 15th & Main  
and W. 16th & Washington, Vancouver  
 WATER LEVEL ELEVATION: N/A  
 GROUND SURFACE ELEVATION: N/A  
 INSTALLED: 1-6-97  
 DEVELOPED: \_\_\_\_\_



SCALE: 1" = \_\_\_\_\_

PAGE \_\_\_\_\_ OF \_\_\_\_\_

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.



# RESOURCE PROTECTION WELL REPORT

Westwind Properties

START CAPD NO. A18860

PROJECT NAME: (PARKING LOT)

WELL IDENTIFICATION NO. None

DRILLING METHOD: PROBE / Soil Sample

DRILLER: Michael Kinkoch

FIRM: Cascade Drilling, Inc.

SIGNATURE: M.R. Kinkoch

CONSULTING FIRM: NW ENVIROCON

REPRESENTATIVE: JEFF JACKMAN

COUNTY: CLATSOP

LOCATION: NW 1/4 NE 1/4 Sec 21 Twn 2N R 1E

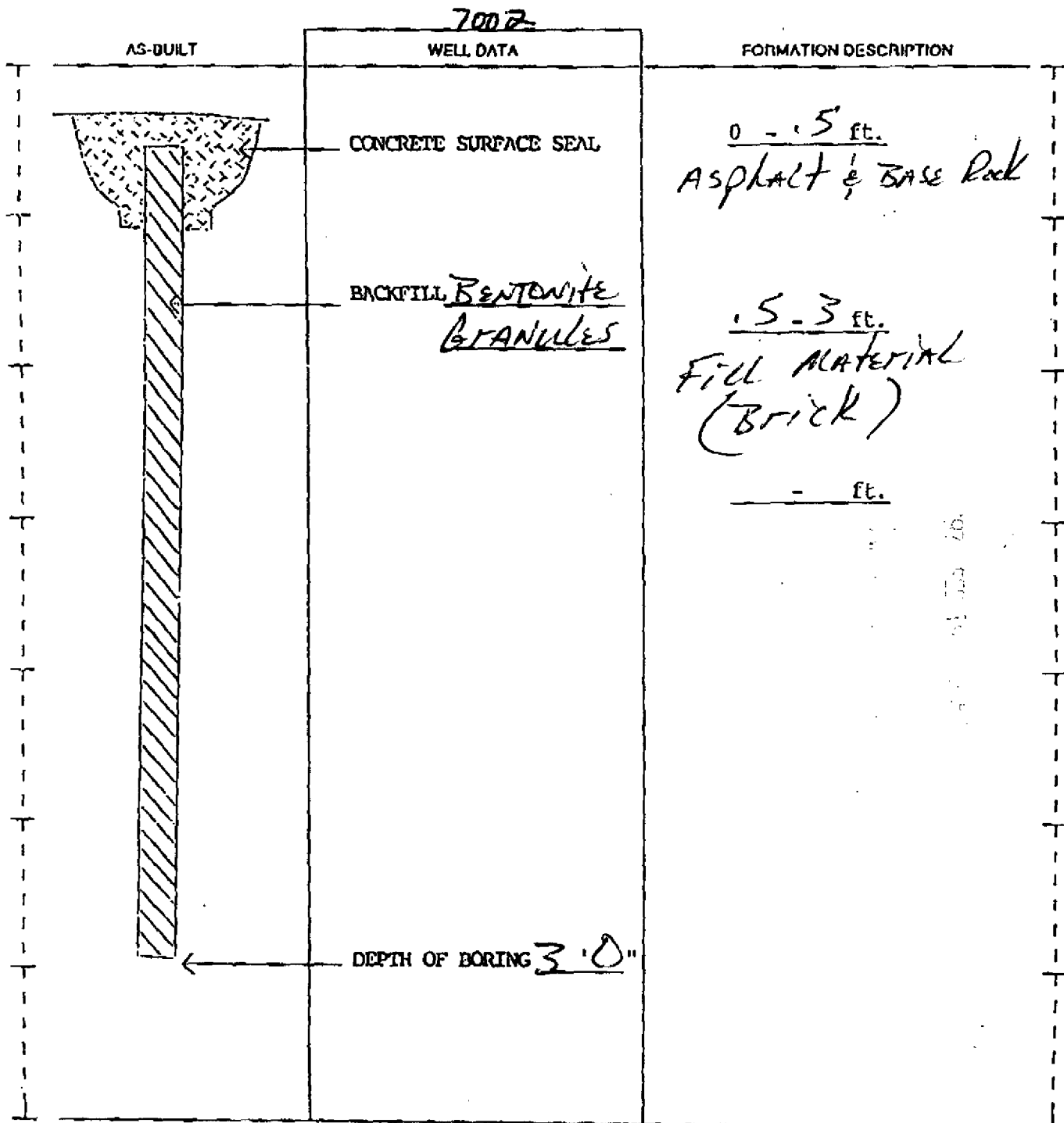
STREET ADDRESS OF WELL: Between W. 15th & Main and W. 16th & Washington, Vancouver

WATER LEVEL ELEVATION: N/A

GROUND SURFACE ELEVATION: N/A

INSTALLED: \_\_\_\_\_

DEVELOPED: \_\_\_\_\_



SCALE: 1" = \_\_\_\_\_

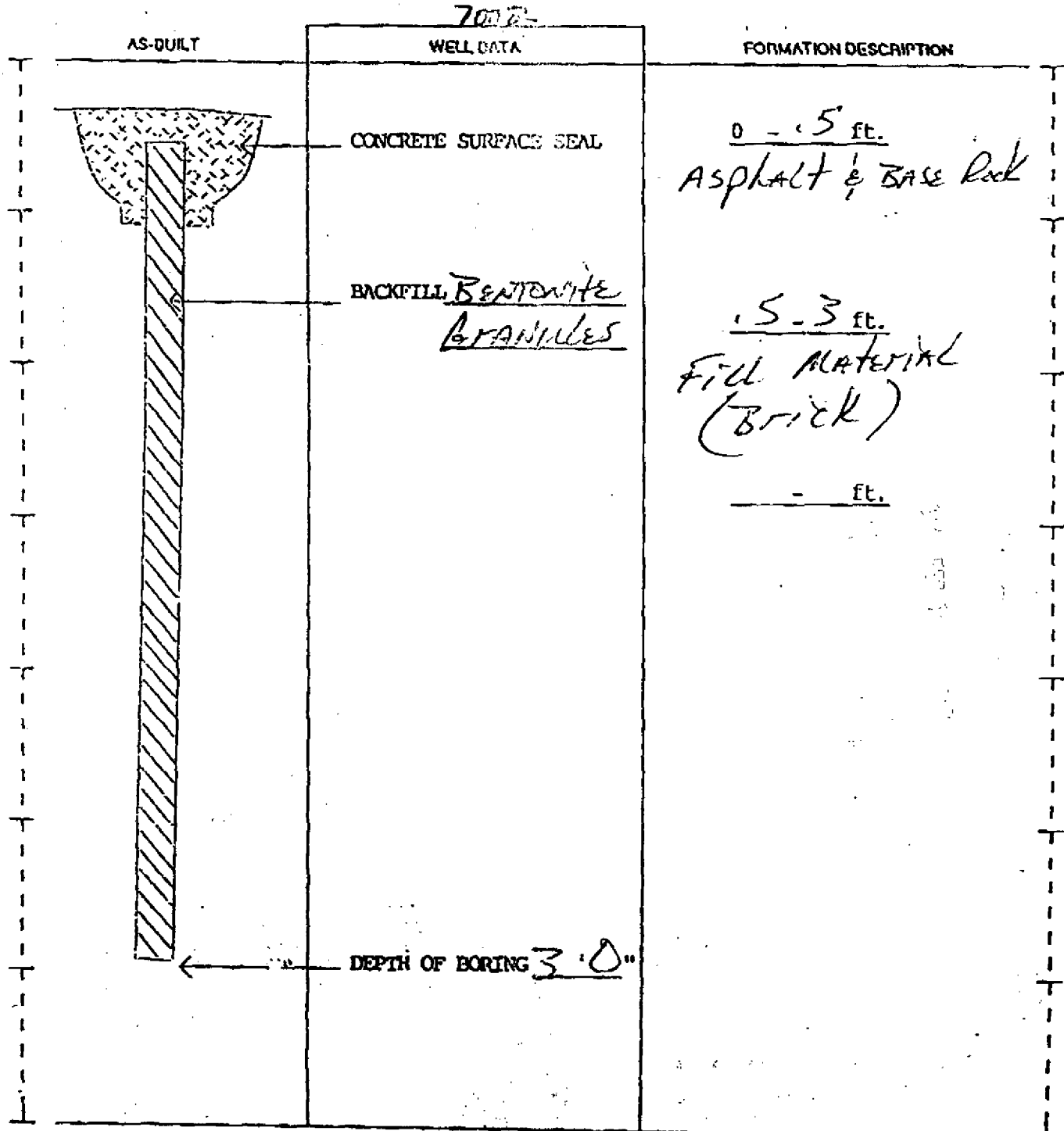
PAGE \_\_\_\_\_ OF \_\_\_\_\_

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

# RESOURCE PROTECTION WELL REPORT

PROJECT NAME: Westwind Properties  
 (PARKING LOT)  
 WELL IDENTIFICATION NO. none  
 DRILLING METHOD: PROBE / Soil Sample  
 DRILLER: Michael Kehlock  
 FIRM: Cascade Drilling, Inc.  
 SIGNATURE: M.R. Kehlock  
 CONSULTING FIRM: NW Environ  
 REPRESENTATIVE: JEFF JACKMAN

COUNTY: CLATSOP  
 LOCATION: NW 1/4 NE 1/4 Sec 27 Twn 2N R 1E  
 STREET ADDRESS OF WELL: Between W. 15th & Main  
Rd at 16th & Washington, Vancouver  
 WATER LEVEL ELEVATION: N/A  
 GROUND SURFACE ELEVATION: N/A  
 INSTALLED: \_\_\_\_\_  
 DEVELOPED: \_\_\_\_\_



SCALE: 1" = \_\_\_\_\_

PAGE \_\_\_\_\_ OF \_\_\_\_\_

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

# RESOURCE PROTECTION WELL REPORT

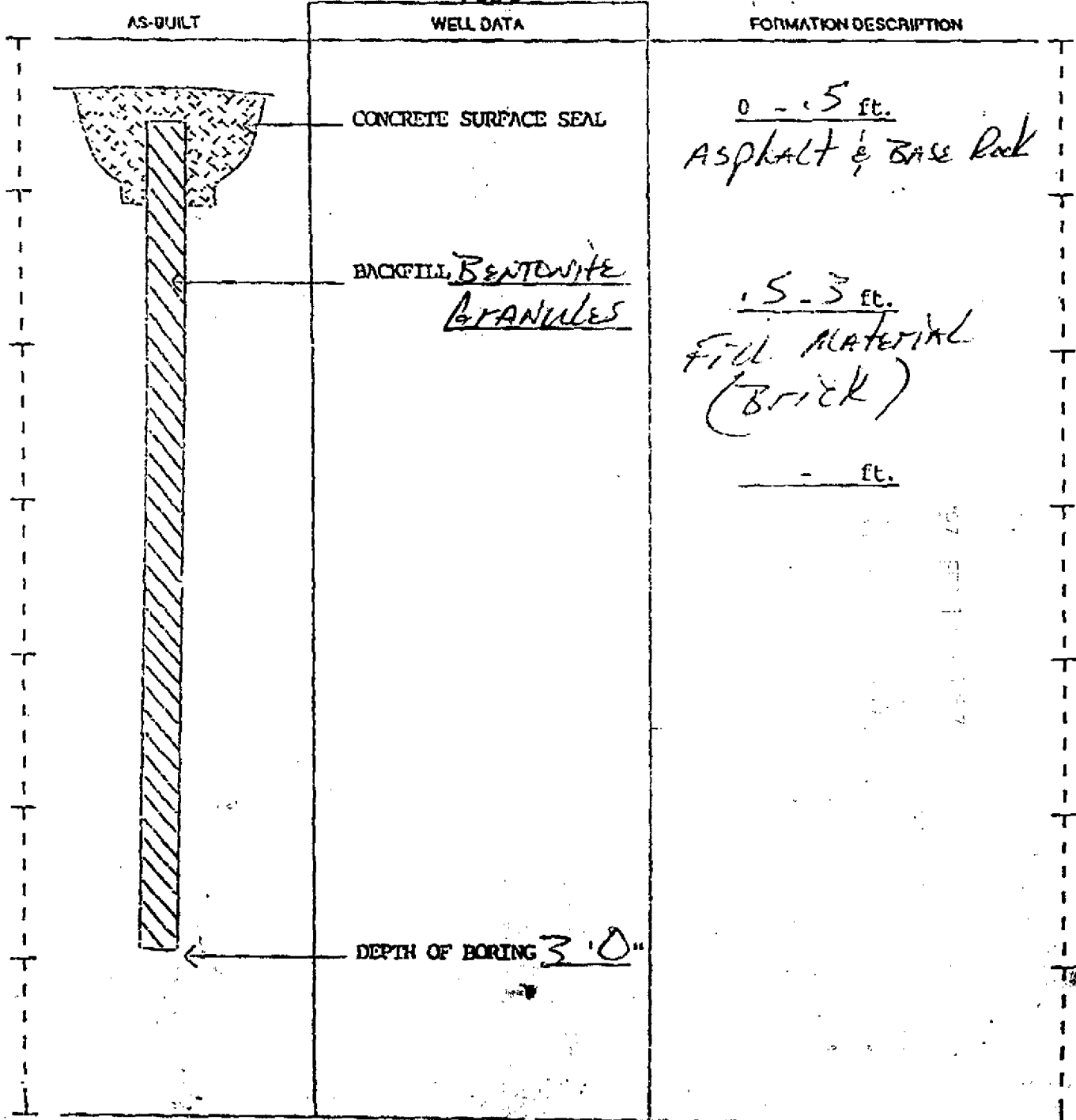
Westwind Properties

START CARD NO. A18860

PROJECT NAME: (PARKING LOT)  
 WELL IDENTIFICATION NO. N/A  
 DRILLING METHOD: PROBE / Soil Sample  
 DRILLER: Michael Kehlech  
 FIRM: Cascade Drilling, Inc.  
 SIGNATURE: M.R. Kehlech  
 CONSULTING FIRM: NW ENVIRON  
 REPRESENTATIVE: JEFF JACKMAN

COUNTY: CLATSOP  
 LOCATION: NW 1/4 NE 1/4 Sec 27 T11N R 1E  
 STREET ADDRESS OF WELL: Between W. 15th & Main and W. 16th & Washington, Vancouver  
 WATER LEVEL ELEVATION: N/A  
 GROUND SURFACE ELEVATION: N/A  
 INSTALLED: \_\_\_\_\_  
 DEVELOPED: \_\_\_\_\_

7002



SCALE: 1" = \_\_\_\_\_

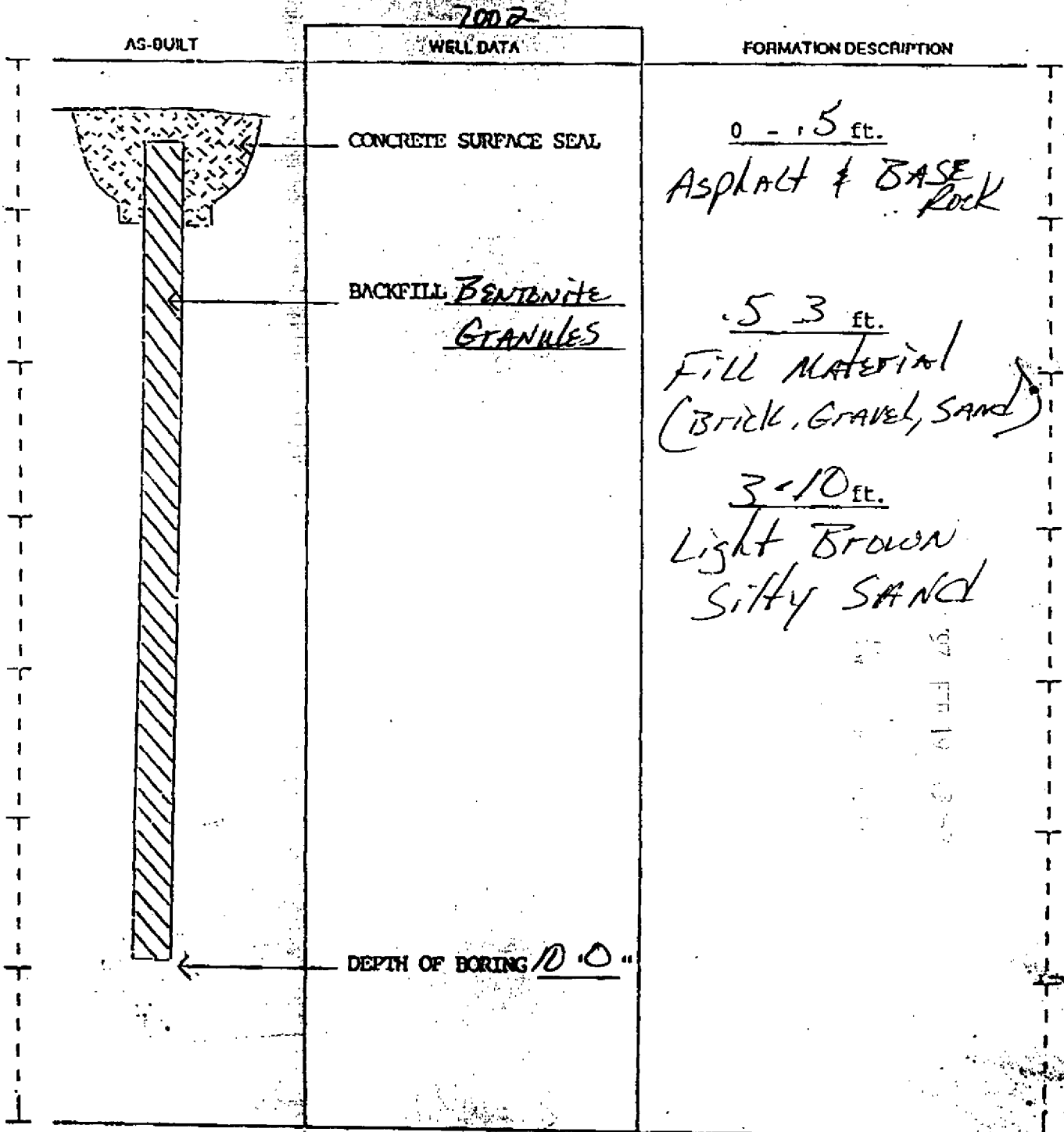
PAGE \_\_\_\_\_ OF \_\_\_\_\_

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

# RESOURCE PROTECTION WELL REPORT

PROJECT NAME: Westwind Properties  
 (PARKING-1BT)  
 WELL IDENTIFICATION NO. 7007  
 DRILLING METHOD: PROBE / Soil Sample  
 DRILLER: Michael Kenloch  
 FIRM: Cascade Drilling, Inc  
 SIGNATURE: M.R. Kenloch  
 CONSULTING FIRM: NW Envirocon  
 REPRESENTATIVE: JEFF JACKMAN

START CARD NO. A18860  
 COUNTY: CLARK  
 LOCATION: NW 1/4 NE 1/4 Sec 27 Twn 2N R 1E  
 STREET ADDRESS OF WELL: Between W. 15th & Main  
and W. 16th & Washington, Vancouver  
 WATER LEVEL ELEVATION: N/A  
 GROUND SURFACE ELEVATION: N/A  
 INSTALLED: \_\_\_\_\_  
 DEVELOPED: \_\_\_\_\_



SCALE: 1" = \_\_\_\_\_

PAGE \_\_\_\_\_ OF \_\_\_\_\_

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

# RESOURCE PROTECTION WELL REPORT

PROJECT NAME: Westwind Properties (PARKING LOT)

WELL IDENTIFICATION NO. 7002

DRILLING METHOD: PROBE / Soil Sample

DRILLER: Michael Kenloch

FIRM: Cascade Drilling, Inc

SIGNATURE: M.R. Kenloch

CONSULTING FIRM: NW Environ

REPRESENTATIVE: JEFF JACKMAN

COUNTY: CLARK

LOCATION: NW 1/4 NE 1/4 Sec 27 Twn 2N R 1E

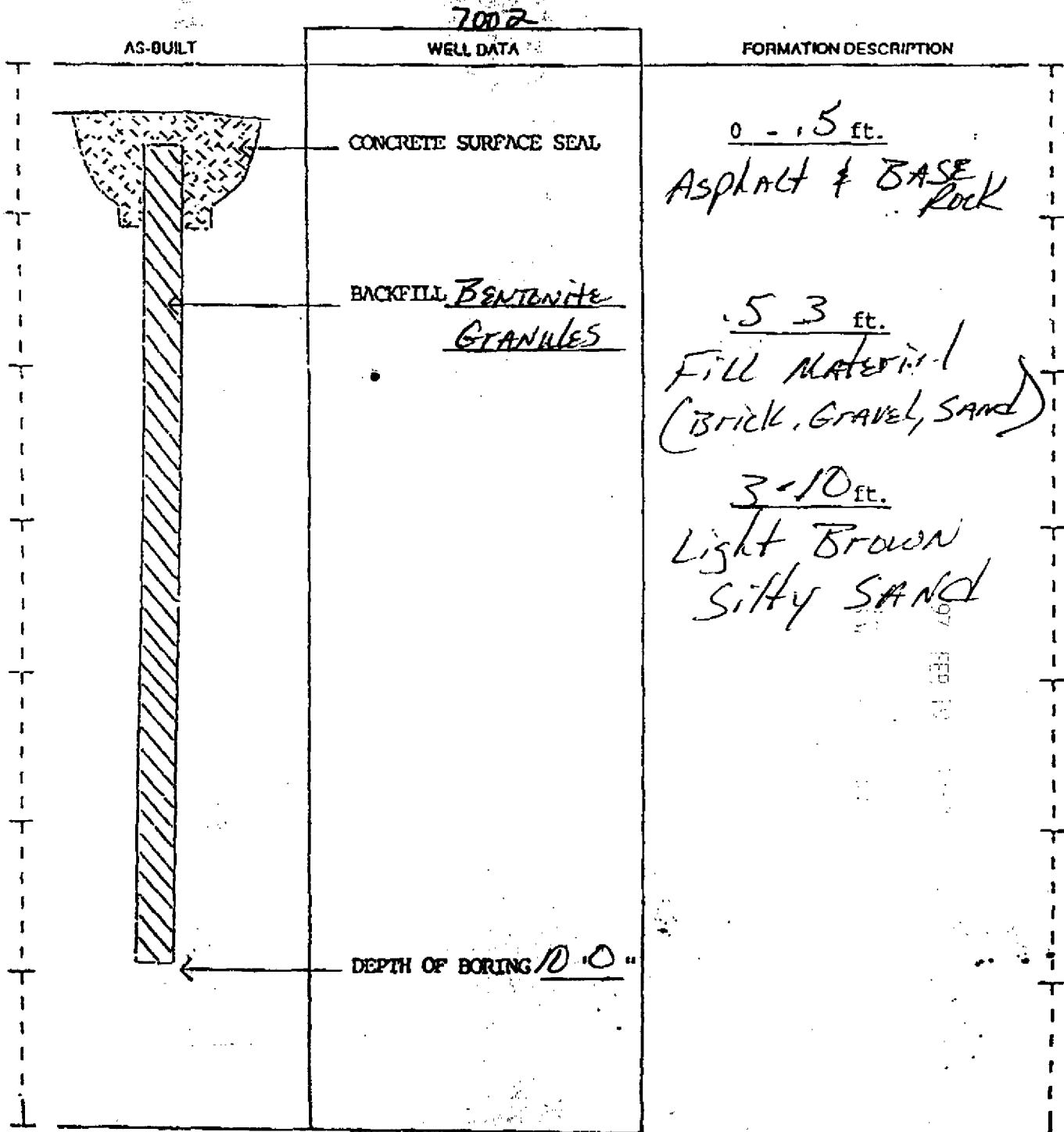
STREET ADDRESS OF WELL: Between W. 15th & Main and W. 16th & Washington, Vancouver

WATER LEVEL ELEVATION: N/A

GROUND SURFACE ELEVATION: N/A

INSTALLED: \_\_\_\_\_

DEVELOPED: \_\_\_\_\_



SCALE: 1" = \_\_\_\_\_

PAGE \_\_\_\_\_ OF \_\_\_\_\_

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

# RESOURCE PROTECTION WELL REPORT

PROJECT NAME: Westwind Properties (PARKING LOT)

WELL IDENTIFICATION NO. N/A

DRILLING METHOD: PROBE / Soil Sample

DRILLER: Michael Kenloch

FIRM: Cascade Drilling, Inc.

SIGNATURE: M.R. Haddock

CONSULTING FIRM: NW ENVIROCON

REPRESENTATIVE: JEFF JACKMAN

COUNTY: CLATSOP

LOCATION: NW 1/4 NE 1/4 Sec 27 Twn 2N R. 1E

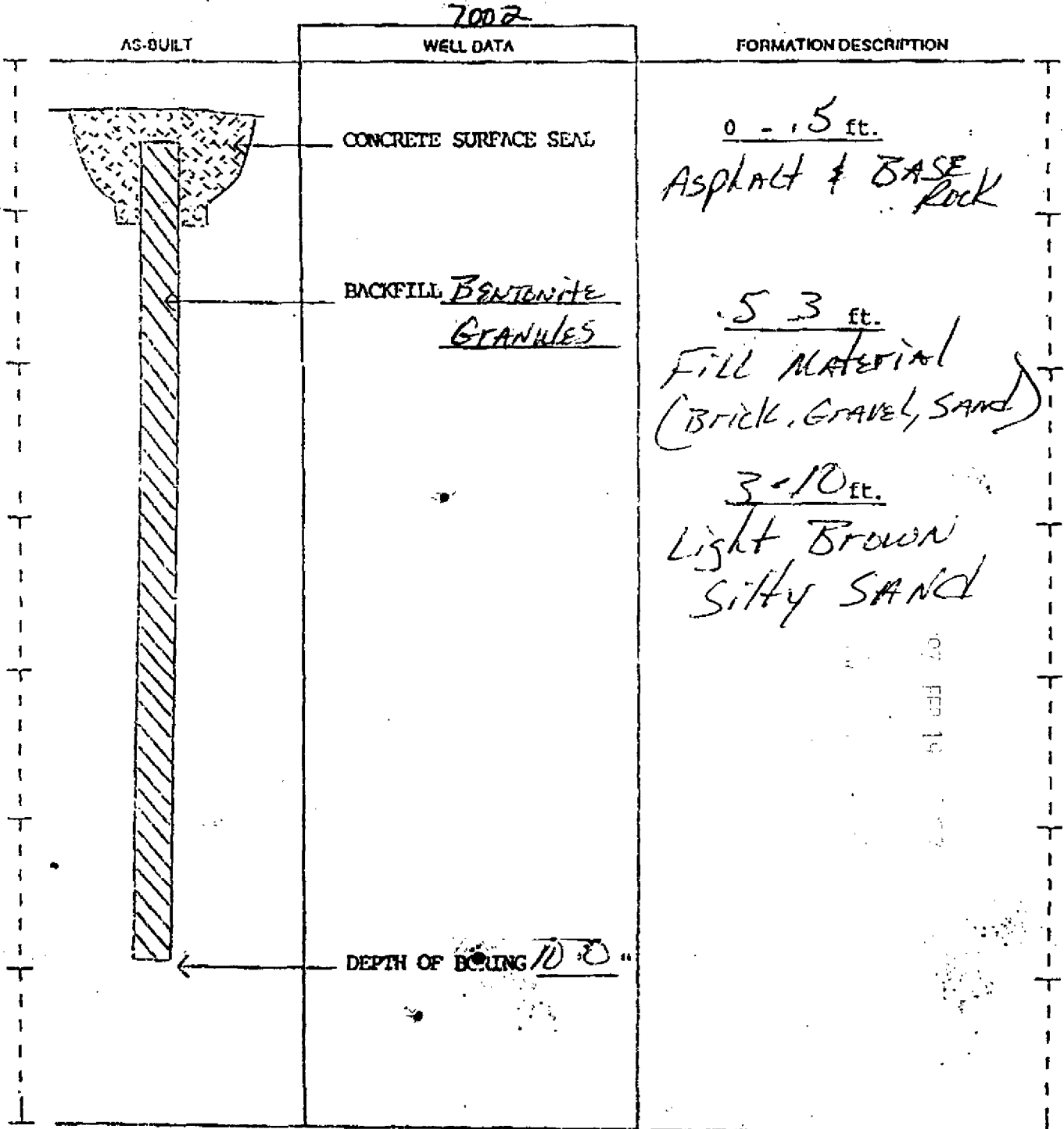
STREET ADDRESS OF WELL: Between W. 15th & Main and W. 16th & Washington, Vancouver

WATER LEVEL ELEVATION: N/A

GROUND SURFACE ELEVATION: N/A

INSTALLED: \_\_\_\_\_

DEVELOPED: \_\_\_\_\_



SCALE: 1" = \_\_\_\_\_

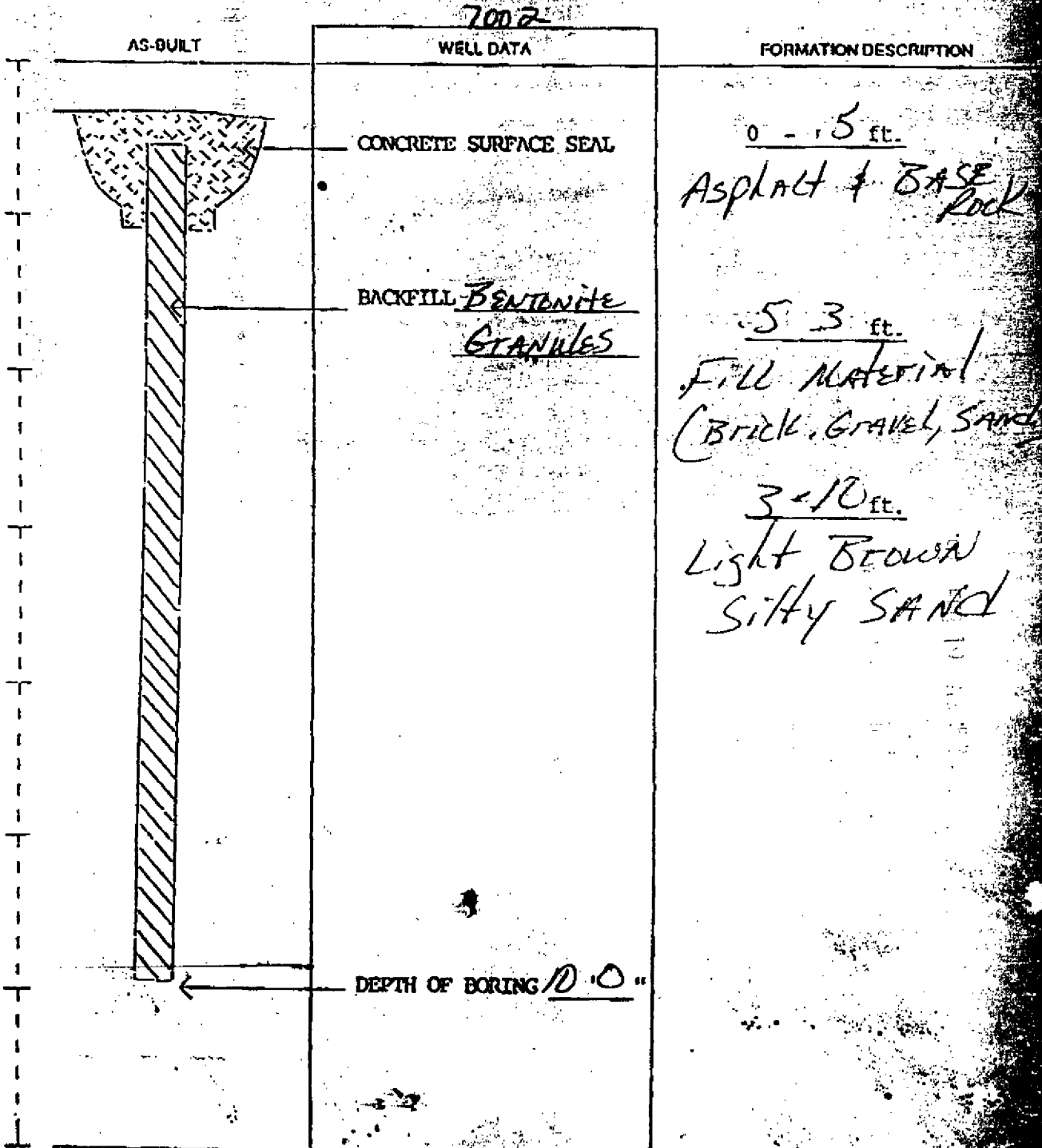
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The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

# RESOURCE PROTECTION WELL REPORT

PROJECT NAME: Westwind Properties  
 (PARKING LOT)  
 WELL IDENTIFICATION NO: N/A  
 DRILLING METHOD: PROBE / Soil Sample  
 DRILLER: Michael Kuchloch  
 FIRM: Cascade Drilling, Inc  
 SIGNATURE: M. R. Kuchloch  
 CONSULTING FIRM: NW Envirocon  
 REPRESENTATIVE: JEFF JACKMAN

COUNTY: CLARK  
 LOCATION: N 1/4 NE 1/4 Sec 27 Twn 2N R. 1E  
 STREET ADDRESS OF WELL: Between W. 15th & Main and W. 16th & Washington, Vancouver  
 WATER LEVEL ELEVATION: N/A  
 GROUND SURFACE ELEVATION: N/A  
 INSTALLED: \_\_\_\_\_  
 DEVELOPED: \_\_\_\_\_



SCALE: 1" = \_\_\_\_\_

PAGE \_\_\_\_\_ OF \_\_\_\_\_

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

# RESOURCE PROTECTION WELL REPORT

PROJECT NAME: Westwind Properties  
 (PARKING LOT)

WELL IDENTIFICATION NO. N/A

DRILLING METHOD: PROBE / Soil Sample

DRILLER: Michael Kehloch

FIRM: Cascade Drilling, Inc

SIGNATURE: M.R. Kehloch

CONSULTING FIRM: NW EnviroCon

REPRESENTATIVE: JEFF JACKMAN

START CARD NO. A18860

COUNTY: CLARK

LOCATION: NW 1/4 NE 1/4 Sec 27 Twn 2N R 1E

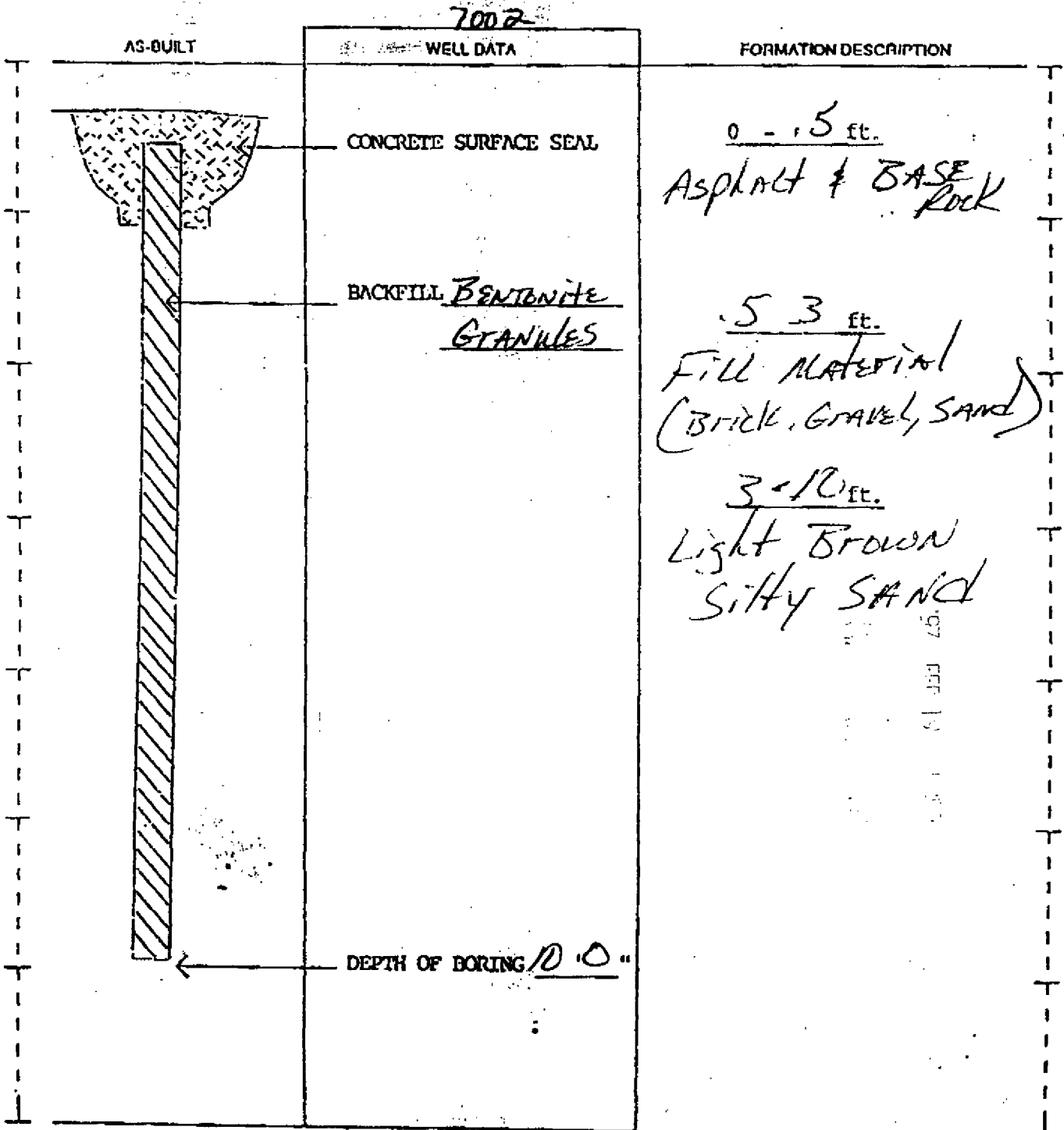
STREET ADDRESS OF WELL: Between W. 15th & Main and W. 16th & Washington, Vancouver

WATER LEVEL ELEVATION: N/A

GROUND SURFACE ELEVATION: N/A

INSTALLED: \_\_\_\_\_

DEVELOPED: \_\_\_\_\_



SCALE: 1" = \_\_\_\_\_

PAGE \_\_\_\_\_ OF \_\_\_\_\_

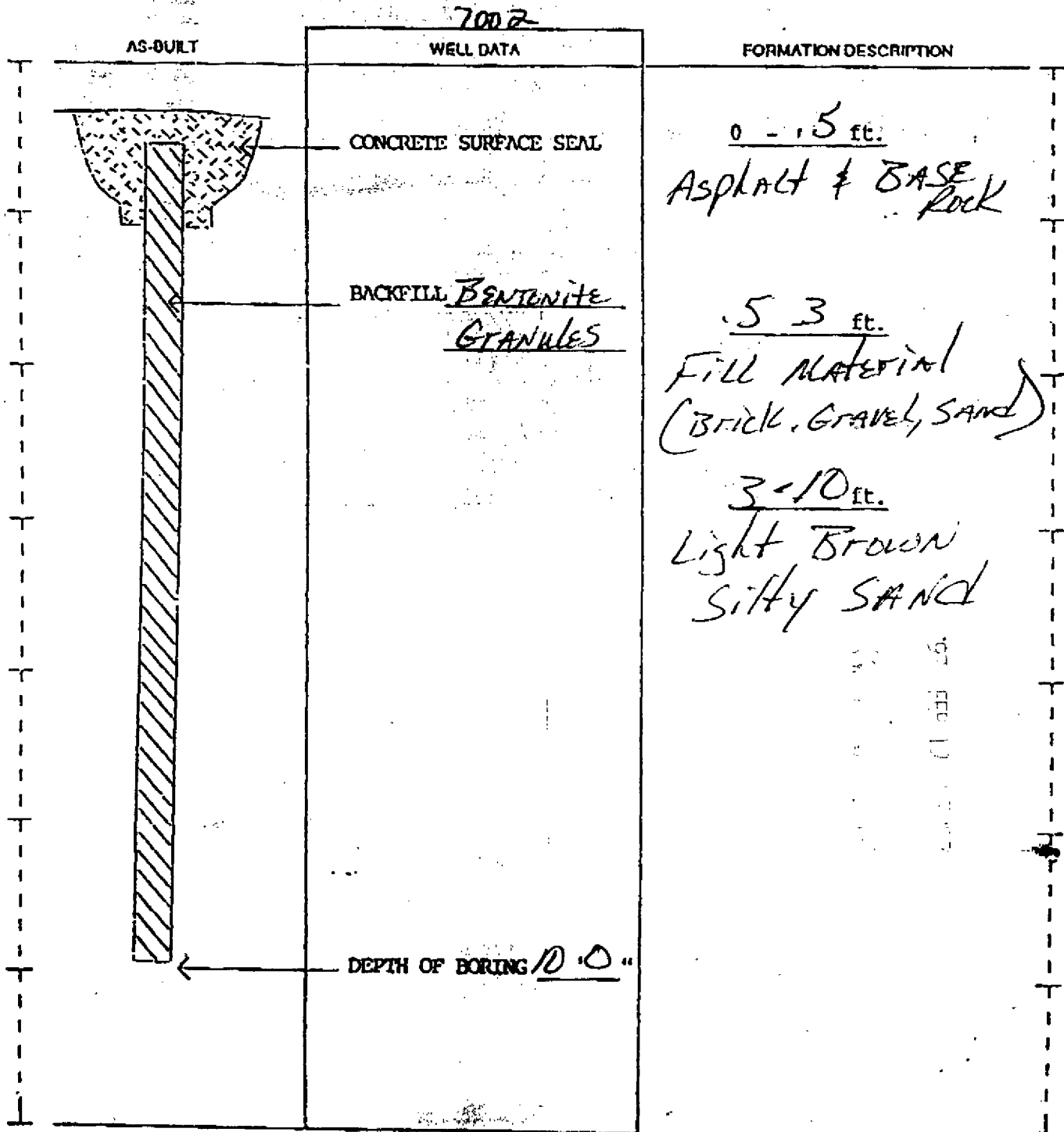
The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.



# RESOURCE PROTECTION WELL REPORT

PROJECT NAME: Westwind Properties  
 (PARKING LOT)  
 WELL IDENTIFICATION NO. N/A  
 DRILLING METHOD: PROBE / Soil Sample  
 DRILLER: Michael Kehloch  
 FIRM: Cascade Drilling, Inc  
 SIGNATURE: M.R. Kehloch  
 CONSULTING FIRM: NW Envirocon  
 REPRESENTATIVE: JEFF JACKMAN

START CARD NO. A18860  
 COUNTY: CLARK  
 LOCATION: N<sup>1/4</sup> NE<sup>1/4</sup> Sec 27 Twn 2N R 1E  
 STREET ADDRESS OF WELL: Between W. 15<sup>th</sup> & Main and W. 16<sup>th</sup> & Washington, Vancouver  
 WATER LEVEL ELEVATION: N/A  
 GROUND SURFACE ELEVATION: N/A  
 INSTALLED: \_\_\_\_\_  
 DEVELOPED: \_\_\_\_\_



SCALE: 1" = \_\_\_\_\_

PAGE \_\_\_\_\_ OF \_\_\_\_\_

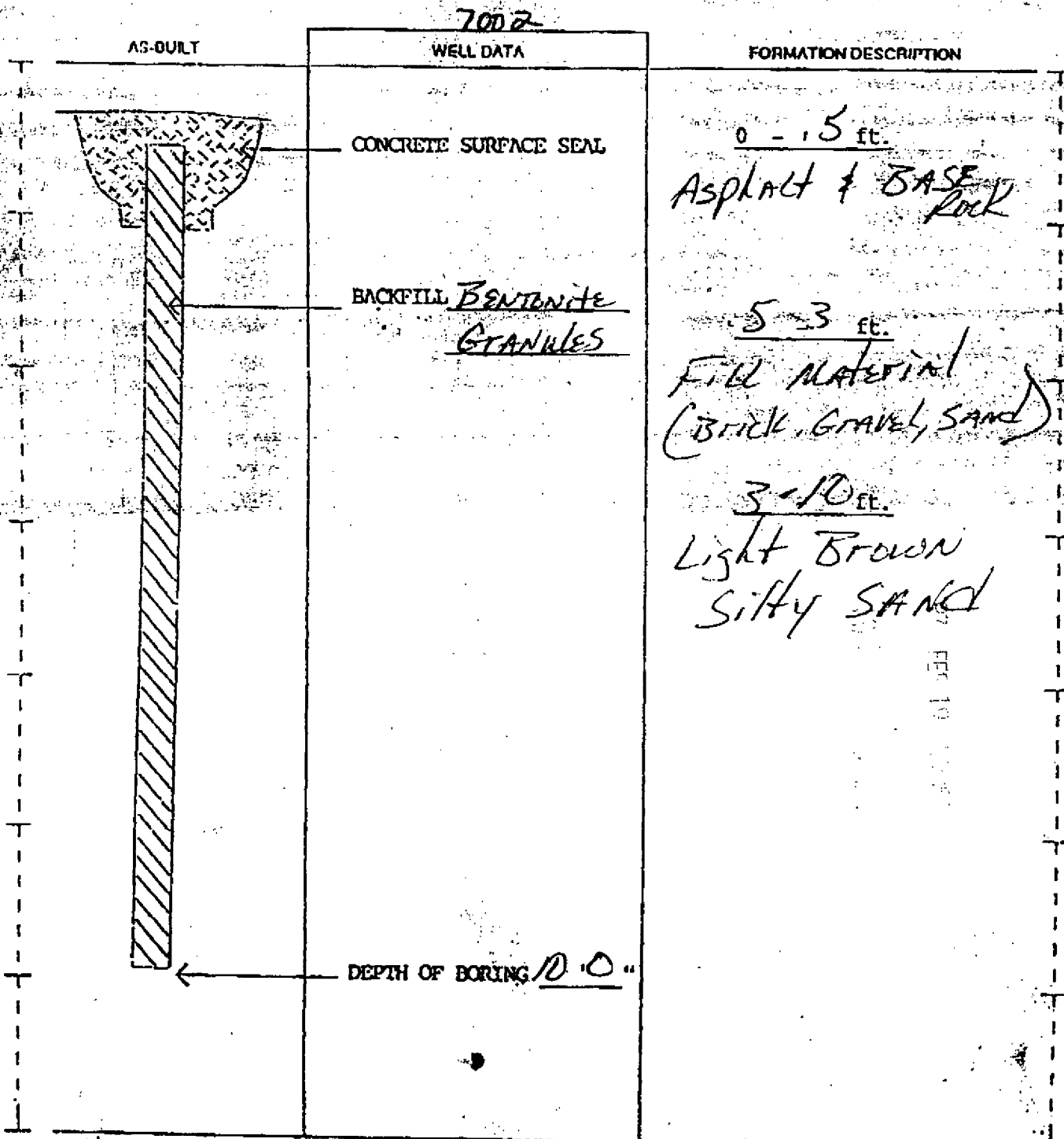
The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

# RESOURCE PROTECTION WELL REPORT

PROJECT NAME: Westwind Properties  
 (PARKING LOT)  
 WELL IDENTIFICATION NO. N/A  
 DRILLING METHOD: PROBE / Soil Sample  
 DRILLER: Michael Kehloch  
 FIRM: Cascade Drilling, Inc  
 SIGNATURE: M.R. Furbush  
 CONSULTING FIRM: NW ENVIRON  
 REPRESENTATIVE: JEFF JACKMAN

START CARD NO. A18860

COUNTY: CLARK  
 LOCATION: N 1/4 NE 1/4 Sec 27 Twn 2N R 1E  
 STREET ADDRESS OF WELL: Between W. 15th & Main  
and W. 16th & Washington, Vancouver  
 WATER LEVEL ELEVATION: N/A  
 GROUND SURFACE ELEVATION: N/A  
 INSTALLED: \_\_\_\_\_  
 DEVELOPED: \_\_\_\_\_



SCALE: 1" = \_\_\_\_\_

PAGE \_\_\_\_\_ OF \_\_\_\_\_

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# RESOURCE PROTECTION WELL REPORT

PROJECT NAME: Westwind Properties  
(PARKING LOT)

WELL IDENTIFICATION NO. N/A

DRILLING METHOD: PROBE / Soil Sample

DRILLER: Michael Kehlock

FIRM: Cascade Drilling, Inc.

SIGNATURE: M.R. Kehlock

CONSULTING FIRM: NW Envirocon

REPRESENTATIVE: JEFF JACKMAN

START CARD NO. A18860

COUNTY: CLARK

LOCATION: NW 1/4 NE 1/4 Sec 27 Twn 2N R 1E

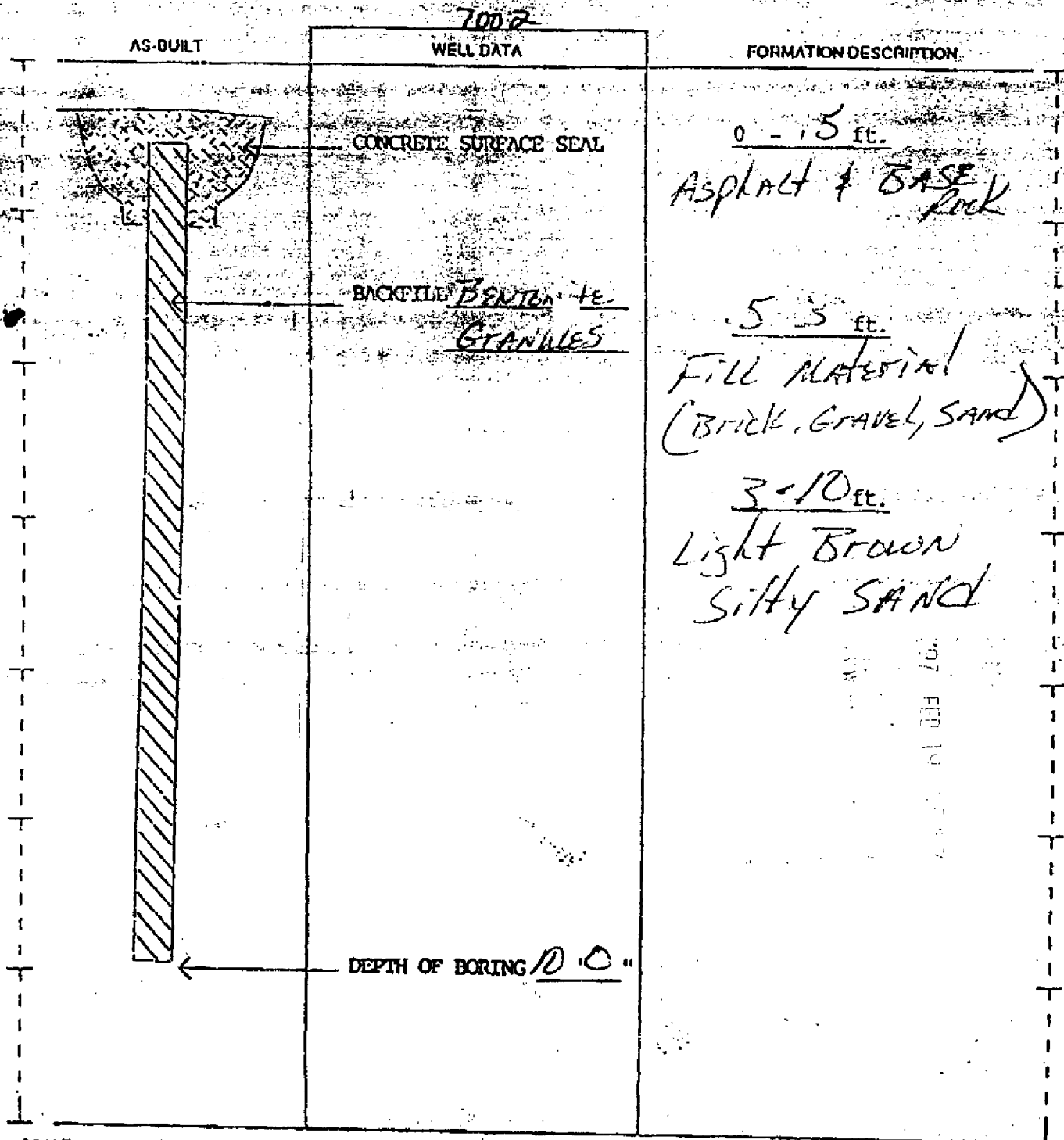
STREET ADDRESS OF WELL: Between W. 15th & Main  
and W. 16th & Washington, Vancouver, BC

WATER LEVEL ELEVATION: N/A

GROUND SURFACE ELEVATION: N/A

INSTALLED: \_\_\_\_\_

DEVELOPED: \_\_\_\_\_



SCALE: 1" = \_\_\_\_\_

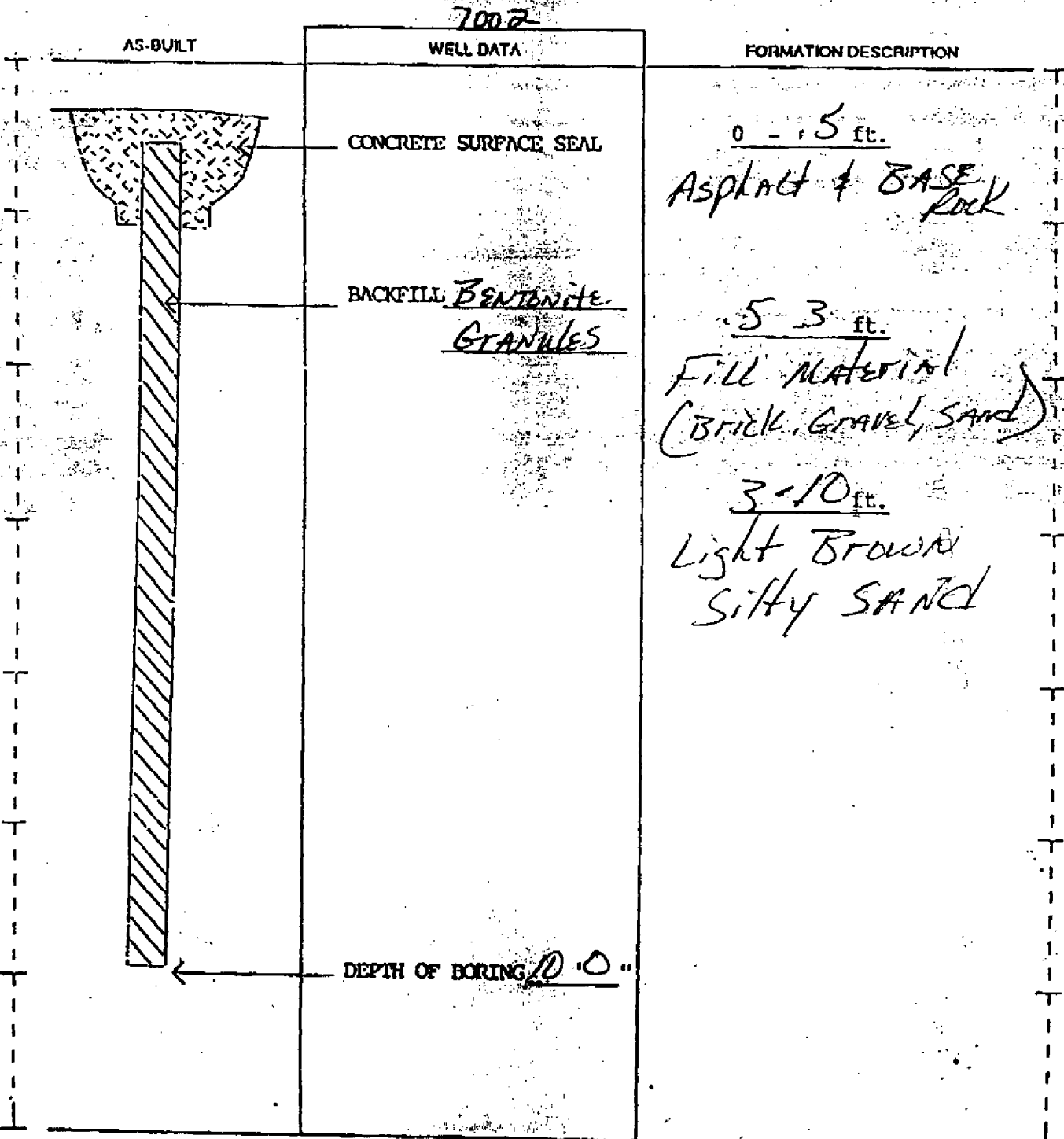
PAGE \_\_\_\_\_ OF \_\_\_\_\_

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# RESOURCE PROTECTION WELL REPORT

PROJECT NAME: Westwind Properties  
 (PARKING LOT)  
 WELL IDENTIFICATION NO. N/A  
 DRILLING METHOD: PROBE / Soil Sample  
 DRILLER: Michael Kenloch  
 FIRM: Cascade Drilling, Inc  
 SIGNATURE: M.R. Kenloch  
 CONSULTING FIRM: NW ENVIROCON  
 REPRESENTATIVE: JEFF JACKMAN

COUNTY: CLARK  
 LOCATION: NW 1/4 NE 1/4 Sec 27 Twn 2N R 1E  
 STREET ADDRESS OF WELL: Between W. 15th & Main  
and W. 16th & Washington, Vancouver  
 WATER LEVEL ELEVATION: N/A  
 GROUND SURFACE ELEVATION: N/A  
 INSTALLED: \_\_\_\_\_  
 DEVELOPED: \_\_\_\_\_



SCALE: 1" = \_\_\_\_\_

PAGE 2 OF \_\_\_\_\_

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436975

Job Number: XL-3604-C  
 Boring: CRC-TR-04P-11

Please print, sign and return to the Department of Ecology

**RESOURCE PROTECTION WELL REPORT**  
 (SUBMIT ONE WELL REPORT PER WELL INSTALLED)

**CURRENT Notice of Intent No.** R-80825

**Construction/Decommission** ("x" in box).

**Type of Well** ("x" in box)

- Construction
- Decommission

- Resource Protection
- Geotech Soil Boring

ORIGINAL INSTALLATION Notice of Intent Number:

Property Owner WSDOT

Consulting Firm WSDOT

Site Address Vic of E. 15th. and Washington st.

Unique Ecology Well IDTag No. BCH-770

City \_\_\_\_\_ County 06-Clark

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.

Location NW 1/4-1/4 NE 1/4 Sec 27 Twn 2N R 1

EWM  or WWM

Driller  Engineer  Trainee  
 Name (Print Last, First Name) Henderson, Danny  
 Driller/Engineer /Trainee Signature [Signature]  
 Driller or Trainee License No. 2742

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

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

Tax Parcel No. \_\_\_\_\_

Cased or Uncased Diameter 6" Static Level 35.4'

Work/Decommission Start Date 9/20/2011

Work/Decommission Completed Date 9/21/2011

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

Construction Design	Well Data	Formation Description
0 - 1.5 ft Top Seal		0 - 14 ft Gravel with sand and silt
1.5 - 5 ft Pipe in bentonite		14 - 16 ft Silt
5 - 25 ft Screen in sand		16 - 18 ft Sand with silt
25 - 119.5 ft Bottom seal		18 - 33 ft Sand
		33 - 38 ft Sand with silt
		38 - 63 ft Sand
		63 - 73 ft Sand with silt
		73 - 88 ft Sand
		88 - 93 ft Sand with silt
		93 - 105 ft Sand
		105 - 106 ft Gravel
		106 - 119.5 ft Sand

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LOG OF TEST BORING

Start Card S-42697

Job No. XL-3604-C SR 5 Elevation ft

HOLE No. CRC-TR-02-11

Sheet 2 of 7

Project Columbia River Crossing Transit Structures Phase 2

Driller Henderson, Danny Lic# 2742

Depth (ft)	Elevation (ft)	Profile	Field SPT (N)				Blows/6" (N) and/or RQD FF	Sample Type	Sample No. (Tube No.)	Lab Tests	Description of Material	Groundwater	Instrument
			◆	+	▨	RQD							
20			◆				8 11 13 (24)	D-8		Well graded SAND with gravel, medium dense, brownish/gray, wet, homogeneous, HCl not tested, SPT Test 20ft. To 70ft.. Length Recovered:0.5 ft. Length Retained:0.5 ft.			
25			◆				9 10 11 (21)	D-9		Poorly graded SAND, Trace Silt, medium dense, brownish/gray, moist, homogeneous, HCl not tested. Length Recovered:1.5 ft. Length Retained:1.5 ft.			
30			◆				11 12 12 (24)	D-10		Poorly graded SAND, medium dense, brownish/gray, moist, homogeneous, HCl not tested. Length Recovered:1.5 ft. Length Retained:1.5 ft.			
35			◆				10 11 12 (23)	D-11		Poorly graded SAND, medium dense, brownish/gray, moist, homogeneous, HCl not tested. Length Recovered:1.5 ft. Length Retained:1.5 ft.			
40			◆				9 12 10 (22)	D-12		Poorly graded SAND, medium dense, brownish/gray, moist, homogeneous, HCl not tested. Length Recovered:1.5 ft. Length Retained:1.5 ft.			
45			◆										

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LOG OF TEST BORING

Start Card S-42697

Job No. XL-3604-C

SR 5

Elevation ft

HOLE No. CRC-TR-02-11

Sheet 3 of 7

Project Columbia River Crossing Transit Structures Phase 2

Driller Henderson, Danny Lic# 2742

Depth (ft)	Elevation (ft)	Profile	Field SPT (N)				Blows/6" (N) and/or RQD FF	Sample Type	Sample No. (Tube No.)	Lab Tests	Description of Material	Groundwater	Instrument
			◆	+	▨								
			20	40	60	80							
			◆										
50			◆										
55			◆										
60			◆										
65			◆										
70			◆										

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LOG OF TEST BORING

Start Card S-42697

Job No. XL-3604-C SR 5 Elevation ft

HOLE No. CRC-TR-02-11

Sheet 4 of 7

Project Columbia River Crossing Transit Structures Phase 2

Driller Henderson, Danny Lic# 2742

Depth (ft)	Elevation (ft)	Profile	Field SPT (N)				Blows/6" (N) and/or RQD FF	Sample Type Sample No. (Tube No.)	Lab Tests	Description of Material	Groundwater	Instrument
			◆	+	▨							
			20	40	60	80	15 20 19 (39)	D-18		Poorly graded SAND, dense, brownish/gray, moist, homogeneous, HCl not tested. Length Recovered:1.5 ft. Length Retained:1.5 ft.		
75							19 27 41 (68)	D-19		Poorly graded SAND, very dense, brownish/gray, moist, homogeneous, HCl not tested. Length Recovered:1.5 ft. Length Retained:1.5 ft.		
80							22 26 26 (52)	D-20		Poorly graded SAND, Trace Gravel, very dense, brownish/gray, moist, homogeneous, HCl not tested. Length Recovered:1.5 ft. Length Retained:1.5 ft.		
85							21 29 27 (56)	D-21		Poorly graded SAND, Trace Gravel, very dense, brownish/gray, moist, homogeneous, HCl not tested. Length Recovered:1.5 ft. Length Retained:1.5 ft.		
90							18 20 19 (39)	D-22		Poorly graded SAND, Trace Gravel, dense, brownish/gray, moist, homogeneous, HCl not tested, Over Reamed HWT to 90ft.. Length Recovered:1.5 ft. Length Retained:1.5 ft.		
95							29 33	D-23		Poorly graded SAND, very dense, brownish/gray, moist, homogeneous, HCl not tested, Gravels at 98ft..		

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LOG OF TEST BORING

Start Card S-42697

Job No. XL-3604-C

SR 5

Elevation ft

HOLE No. CRC-TR-02-11

Sheet 5 of 7

Project Columbia River Crossing Transit Structures Phase 2

Driller Henderson, Danny Lic# 2742

Depth (ft)	Elevation (ft)	Profile	Field SPT (N)				Blows/6" (N) and/or RQD FF	Sample Type	Sample No. (Tube No.)	Lab Tests	Description of Material	Groundwater	Instrument
			20	40	60	80							
											Length Recovered:1.5 ft. Length Retained:1.5 ft.		
100							>>	50/4" (REF)	D-24		No Recovery		
105							>>	50/4" (REF)	D-25		Poorly graded GRAVEL, sub-rounded, very dense, gray, moist, homogeneous, HCl not tested. Length Recovered:0.3 ft. Length Retained:0.3 ft.		
110							>>	50/5" (REF)	D-26		Poorly graded GRAVEL with sand, sub-rounded, very dense, gray, moist, homogeneous, HCl not tested. Length Recovered:0.5 ft. Length Retained:0.5 ft.		
115							>>	50/4" (REF)	D-27		Well graded SAND with gravel, very dense, brownish/gray, moist, homogeneous, HCl not tested. Length Recovered:0.4 ft. Length Retained:0.4 ft.		
120							>>	50/3" (REF)	D-28		Well graded GRAVEL, sub-rounded, very dense, Brown, moist, homogeneous, HCl not tested.		

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LOG OF TEST BORING

Start Card S-42697

Job No. XL-3604-C SR 5 Elevation ft

HOLE No. CRC-TR-02-11

Sheet 6 of 7

Project Columbia River Crossing Transit Structures Phase 2

Driller Henderson, Danny Lic# 2742

Depth (ft)	Elevation (ft)	Profile	Field SPT (N)				Blows/6" (N) and/or RQD FF	Sample Type	Sample No. (Tube No.)	Lab Tests	Description of Material	Groundwater	Instrument
			20	40	60	80							
											Length Recovered:0.3 ft. Length Retained:0.3 ft.		
125									D-29		No Recovery		
130									D-30		Poorly graded GRAVEL, sub-rounded, very dense, gray, moist, homogeneous, HCl not tested. Length Recovered:0.5 ft. Length Retained:0.5 ft.		
135									D-31		Poorly graded GRAVEL, sub-rounded, very dense, gray, moist, homogeneous, HCl not tested. Length Recovered:0.5 ft. Length Retained:0.5 ft.		
140									D-32		Poorly graded GRAVEL with sand, sub-rounded, very dense, brownish/gray, wet, homogeneous, HCl not tested. Length Recovered:0.8 ft. Length Retained:0.8 ft.		
145													

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The implied accuracy of the borehole location information displayed on this boring log is typically sub-meter in (X,Y) when collected by the HQ Geotech

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LOG OF TEST BORING

Start Card S-42697

Job No. XL-3604-C SR 5 Elevation ft

HOLE No. CRC-TR-02-11

Sheet 7 of 7

Project Columbia River Crossing Transit Structures Phase 2

Driller Henderson, Danny Lic# 2742

Depth (ft)	Elevation (ft)	Profile	Field SPT (N)				Blows/6" (N) and/or RQD FF	Sample Type	Sample No. (Tube No.)	Lab Tests	Description of Material	Groundwater	Instrument
			20	40	60	80							
150													
155													
160													
165													
170													

Draft Boring Log

Division and sub-centimeter in (X,Y,Z) when collected by the Region Survey Crew.

End of test hole boring at 139.8 ft below ground elevation. This is a summary Log of Test Boring. Soil/Rock descriptions are derived from visual field identifications and laboratory test data. Note: REF = SPT Refusal

Bail/Recharge test:  
Hole Diameter: 6  
Depth of boring during bail test: 139.8'  
Depth of casing during bail test: 134'  
Bailed bore hole water level to 89.9'  
Recharge after 30 minutes :77.4'

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LOG OF TEST BORING

Start Card S-42697

Job No. XL-3604-C SR 5 Elevation ft

HOLE No. CRC-TR-03-11

Project Columbia River Crossing Transit Structures Phase 2

Sheet 1 of 6 *rw*  
Driller Walker, Robert Lic# 2864

Site Address Vic. Of E. 15th St. and Washington St.

Inspector Shepherd, Robert *MS*

Start September 13, 2011 Completion September 15, 2011 Well ID# \_\_\_\_\_ Equipment CME 850 (9C2-3) - AH

Station 0. Offset 0. Hole Dia 6 (inches) Method Mud Rotary

Northing 116916.33 Easting 1084681.74 Collected by HQ Geotech Division Datum \_\_\_\_\_

County Clark Subsection NW1/4 of NE1/4 Section 27 Range 1EWM Township 2N

Depth (ft)	Elevation (ft)	Profile	Field SPT (N)				Blows/6" (N) and/or RQD FF	Sample Type	Sample No. (Tube No.)	Lab Tests	Description of Material	Groundwater	Instrument
			20	40	60	80							
14						14		D-1		Silty GRAVEL with sand, sub-rounded, dense, light grayish brown, moist, stratified, HCl not tested. Length Recovered:1 ft. Length Retained:1 ft.			
19						12		D-2		Sandy SILT with gravel, medium dense, dark brown, moist, homogeneous, HCl not tested, root hairs and brick. Length Recovered:1.1 ft. Length Retained:1.1 ft.			
31						(31)		D-3		Sandy SILT with gravel, very loose, dark brown, moist, homogeneous, HCl not tested. Length Recovered:0.4 ft. Length Retained:0.4 ft.			
6						6		S-4		Sandy SILT with gravel, 250 P.S.I first foot 650 second foot			
9						9		D-5		Sandy SILT, medium dense, light brown, moist, homogeneous, HCl not tested, top .8 sandy silt bottom .9 silty sand. Length Recovered:1.7 ft. Length Retained:1.7 ft.			
4						4		D-6		Poorly graded SAND, loose, light brown, moist, homogeneous, HCl not tested. Length Recovered:1 ft. Length Retained:1 ft.			
4						4		D-7		Poorly graded SAND, loose, light brown, wet, homogeneous, HCl not tested. Length Recovered:0.9 ft. Length Retained:0.9 ft.			
13						(13)		D-8		Sandy SILT, loose, light brown, moist, homogeneous, HCl not tested. Length Recovered:1 ft. Length Retained:1 ft.			
3						3		D-9		Poorly graded SAND, loose, light brown, moist, homogeneous, HCl not tested, top .9 poorly graded fine sand bottom .9 silt. Length Recovered:1.4 ft. Length Retained:1.4 ft. Poorly graded SAND, , , 250 P.S.I			
2						2		S-10		Silty SAND, loose, light brown, wet, homogeneous, HCl			
2						2							
4						4							
4						4							
11						(11)							
3						3							
5						5							
4						4							
9						(9)							
3						3							
4						4							
6						6							
10						(10)							
5						5							
3						3							
4						4							
6						6							
7						(7)							
3						3							
3						3							
4						4							
7						(7)							
15						15							
20						20							

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LOG OF TEST BORING

Start Card S-42697

Job No. XL-3604-C

SR 5

Elevation ft

HOLE No. CRC-TR-03-11

Sheet 2 of 6

Project Columbia River Crossing Transit Structures Phase 2

Driller Walker, Robert

Lic# 2864

Depth (ft)	Elevation (ft)	Profile	Field SPT (N)				Blows/6" (N) and/or RQD FF	Sample Type	Sample No. (Tube No.)	Lab Tests	Description of Material	Groundwater	Instrument
			20	40	60	80							
											not tested, fine sand. Length Recovered:1 ft. Length Retained:1 ft.		
											drilling indicates gravel		
25											Well graded SAND with gravel, dense, gray, wet, stratified, HCl not tested, no recovery used oversized to retain material. Length Recovered:1 ft. Length Retained:1 ft.		
											Error 2015		
30											Well graded SAND with gravel, medium dense, gray, wet, stratified, HCl not tested. Length Recovered:0.7 ft. Length Retained:0.7 ft.		
35											Poorly graded GRAVEL, sub-angular, medium dense, gray, wet, homogeneous, HCl not tested. Length Recovered:0.5 ft. Length Retained:0.5 ft.		
40											Poorly graded GRAVEL, sub-angular, very dense, gray, wet, homogeneous, HCl not tested. Length Recovered:0.5 ft. Length Retained:0.5 ft.		
45											Silty GRAVEL with sand, sub-angular, very dense, gray, moist, homogeneous, HCl not tested.		

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LOG OF TEST BORING

Start Card S-42697

Job No. XL-3604-C SR 5 Elevation ft

HOLE No. CRC-TR-03-11

Sheet 3 of 6

Project Columbia River Crossing Transit Structures Phase 2

Driller Walker, Robert Lic# 2864

Depth (ft)	Elevation (ft)	Profile	Field SPT (N)				Blows/6" (N) and/or RQD FF	Sample Type	Sample No. (Tube No.)	Lab Tests	Description of Material	Groundwater	Instrument
			20	40	60	80							
											Length Recovered: 0.4 ft. Length Retained: 0.4 ft.		
											Drilling smoothed out		
50						10 9 11 (20)		D-17			Poorly graded SAND, medium dense, light brown, moist, homogeneous, HCl not tested. Length Recovered: 1 ft. Length Retained: 1 ft.		
55						14 15 16 (31)		D-18			Poorly graded SAND, dense, light brown, moist, homogeneous, HCl not tested. Length Recovered: 1.5 ft. Length Retained: 1.5 ft.		
60						14 18 26 (44)		D-19			Poorly graded SAND, dense, light brown, moist, homogeneous, HCl not tested. Length Recovered: 1.5 ft. Length Retained: 1.5 ft.		
65						8 18 30 (48)		D-20			Poorly graded SAND, dense, light brown, moist, homogeneous, no HCl reaction. Length Recovered: 1.2 ft. Length Retained: 1.2 ft.		
70						11 16		D-21			Poorly graded SAND, dense, light brown, moist, homogeneous, HCl not tested.		

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LOG OF TEST BORING

Start Card S-42697

Job No. XL-3604-C SR 5 Elevation ft

HOLE No. CRC-TR-03-11

Sheet 4 of 6

Project Columbia River Crossing Transit Structures Phase 2

Driller Walker, Robert Lic# 2864

Depth (ft)	Elevation (ft)	Profile	Field SPT (N)				Blows/6" (N) and/or RQD FF	Sample Type	Sample No. (Tube No.)	Lab Tests	Description of Material	Groundwater	Instrument
			20	40	60	80							
						17 (33)					Length Recovered:0.5 ft. Length Retained:0.5 ft.		
75						14 18 23 (41)		D-22			Poorly graded SAND, dense, light brown, moist, homogeneous, HCl not tested. Length Recovered:1.2 ft. Length Retained:1.2 ft.		
80						15 18 17 (35)		D-23			Poorly graded SAND, dense, light brown, moist, homogeneous, HCl not tested. Length Recovered:0.8 ft. Length Retained:0.8 ft.		
85						12 13 14 (27)		D-24			Poorly graded SAND, medium dense, light brown, wet, homogeneous, HCl not tested. Length Recovered:1.1 ft. Length Retained:1.1 ft.		
90						8 7 27 (34)		D-25			Silty SAND, dense, light brown, wet, homogeneous, HCl not tested. Length Recovered:1.1 ft. Length Retained:1.1 ft.		
95						13 15		D-26			Poorly graded SAND, dense, light brown, wet, homogeneous, HCl not tested.		

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LOG OF TEST BORING

Start Card S-42697

Job No. XL-3604-C

SR 5

Elevation ft

HOLE No. CRC-TR-03-11

Sheet 5 of 6

Project Columbia River Crossing Transit Structures Phase 2

Driller Walker, Robert

Lic# 2864

Depth (ft)	Elevation (ft)	Profile	Field SPT (N)				Blows/6" (N) and/or RQD FF	Sample Type	Sample No. (Tube No.)	Lab Tests	Description of Material	Groundwater	Instrument
			20	40	60	80							
						30 (45)					Length Recovered:1.2 ft. Length Retained:1.2 ft.		
100						>> 50/5" (REF)		D-27			Well graded GRAVEL with sand, sub-angular, very dense, gray, moist, stratified, HCl not tested. Length Recovered:0.5 ft. Length Retained:0.5 ft.		
105						26 26 32 (58)		D-28			Well graded GRAVEL with sand, sub-angular, very dense, gray, wet, stratified, HCl not tested. Length Recovered:0.6 ft. Length Retained:0.6 ft.		
110						>> 50/5" (REF)		D-29			Well graded GRAVEL with sand, sub-angular, very dense, gray, moist, stratified, HCl not tested. Length Recovered:0.6 ft. Length Retained:0.6 ft.		
115						>> 50/5" (REF)		D-30			Well graded GRAVEL with sand, sub-angular, very dense, gray, moist, stratified, HCl not tested. Length Recovered:0.5 ft. Length Retained:0.5 ft.		
											lost circ		
120						>> 50/5" (REF)		D-31			Well graded GRAVEL with sand, sub-angular, very dense, gray, wet, homogeneous, HCl not tested.		

Draft Boring Log

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SOILA\_TEST\_XL-3604\_CRC\_TRANSIT\_STRUCTURES.GPJ\_SOIL.GDT\_9/19/11

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Washington State  
Department of Transportation

LOG OF TEST BORING

Start Card S-42697

Job No. XL-3604-C

SR 5

Elevation ft

HOLE No. CRC-TR-03-11

Sheet 6 of 6

Project Columbia River Crossing Transit Structures Phase 2

Driller Walker, Robert

Lic# 2864

Depth (ft)	Elevation (ft)	Profile	Field SPT (N)				Blows/6" (N) and/or RQD FF	Sample Type	Sample No. (Tube No.)	Lab Tests	Description of Material	Groundwater	Instrument
			20	40	60	80							
											Length Recovered:0.6 ft. Length Retained:0.6 ft. 70% return circ		
125						>> 50/4" (REF)	◆	D-32			Well graded GRAVEL with sand, sub-angular, very dense, gray, moist, homogeneous, HCl not tested. Length Recovered:0.3 ft. Length Retained:0.3 ft.		
130						>> 50/5" (REF)	◆	D-33			No Recovery		
135						>> 50/0" (REF)	◆	D-34			No Recovery		
135						>> 50/3" (REF)	◆	D-35			Well graded GRAVEL with sand, sub-angular, very dense, gray, moist, homogeneous, HCl not tested, used oversized to retain sample. Length Recovered:0.3 ft. Length Retained:0.3 ft.		
140											The implied accuracy of the borehole location information displayed on this boring log is typically sub-meter in (X,Y) when collected by the HQ Geotech Division and sub-centimeter in (X,Y,Z) when collected by the Region Survey Crew.		
145											End of test hole boring at 135.1 ft below ground elevation. This is a summary Log of Test Boring. Soil/Rock descriptions are derived from visual field identifications and laboratory test data. Note: REF = SPT Refusal		

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Washington State  
Department of Transportation

LOG OF TEST BORING

Start Card R-80825

Job No. XL-3604-C SR I-5 Elevation ft

HOLE No. CRC-TR-1p-11

Sheet 1 of 6

Project CRC SR-14 and I-5 Interchange

Driller Haller, Robert Lic# 2779

Site Address Vicinity of East 15th St. and Washington St.

Inspector Fetterly, Jamie #2507

Start August 30, 2011 Completion September 1, 2011 Well ID# BCH-769 Equipment CME 850 (9C2-3) - AH

Station 0. Offset 0. Hole Dia 5 (inches) Method Wet Rotary

Northing 117048.80 Easting 1084740.49 Collected by HQ Geotech Division Datum NAD 83\_91(HARN) StatePlaneSouth

County Clark Subsection NW1/4 of NE1/4 Section 27 Range 1 EWM Township 2 N

Depth (ft)	Elevation (ft)	Profile	Field SPT (N)				Blows/6" (N) and/or RQD FF	Sample Type	Sample No. (Tube No.)	Lab Tests	Description of Material	Groundwater	Instrument
			20	40	60	80							
0													
1													
2													
3													
4													
5													
6													
7													
8													
9													
10													
11													
12													
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Department of Transportation

LOG OF TEST BORING

Start Card R-80825

Job No. XL-3604-C SR I-5 Elevation ft

HOLE No. CRC-TR-1p-11

Sheet 2 of 6

Project CRC SR-14 and I-5 Interchange

Driller Haller, Robert Lic# 2779

Depth (ft)	Elevation (ft)	Profile	Field SPT (N)				Blows/6" (N) and/or RQD FF	Sample Type	Sample No. (Tube No.)	Lab Tests	Description of Material	Groundwater	Instrument
			20	40	60	80							
25		Gravelly sand					(22)						
25-26							10	D-11			Silty GRAVEL with sand, sub-rounded, medium dense, gray, moist, homogeneous, HCl not tested. Length Recovered:0.7 ft. Length Retained:0.7 ft.		
26-27							9						
27-28							13						
28-29							(22)						
30							11	D-12					
30-31							15				Silty GRAVEL with sand, sub-rounded, stratified with sandy silt, medium dense, gray, moist, HCl not tested, sample split into two bags, A & B. Length Recovered:1.1 ft. Length Retained:1.1 ft.		
31-32							9						
32-33							11						
33-34							(24)						
35							8	S-13			No Recovery		
35-36							12	D-14			Poorly graded SAND, medium dense, grayish brown, moist, homogeneous, HCl not tested. Length Recovered:1.4 ft. Length Retained:1.4 ft.		
36-37							15						
37-38							(27)						
40							10	D-15					
40-41							12				Poorly graded SAND, medium dense, grayish brown, moist, homogeneous, HCl not tested. Length Recovered:1.3 ft. Length Retained:1.3 ft.		
41-42							13						
42-43							(25)						
45													

Draft Boring Log

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Washington State  
Department of Transportation

LOG OF TEST BORING

Start Card R-80825

Job No. XL-3604-C

SR I-5

Elevation ft

HOLE No. CRC-TR-1p-11

Sheet 3 of 6

Project CRC SR-14 and I-5 Interchange

Driller Haller, Robert

Lic# 2779

Depth (ft)	Elevation (ft)	Profile	Field SPT (N)				Blows/6" (N) and/or RQD FF	Sample Type	Sample No. (Tube No.)	Lab Tests	Description of Material	Groundwater	Instrument
			20	40	60	80							
			◆				9	▲	D-16		Poorly graded SAND, medium dense, grayish brown, moist, homogeneous, HCl not tested. Length Recovered:1.5 ft. Length Retained:1.5 ft.		
							13	▲					
							15	▲					
							(28)	▲					
50			◆				13	▲	D-17		Poorly graded SAND, dense, grayish brown, moist, homogeneous, HCl not tested. Length Recovered:1.5 ft. Length Retained:1.5 ft.		
							15	▲					
							18	▲					
							(33)	▲					
55			◆				9	▲	D-18		Poorly graded SAND, laminated with silt lenses, dense, grayish brown, moist, laminated, HCl not tested. Length Recovered:1.5 ft. Length Retained:1.5 ft.		
							14	▲					
							22	▲					
							(36)	▲					
60			◆				12	▲	D-19		Poorly graded SAND, dense, grayish brown, moist, homogeneous, HCl not tested, sampler was three quarters full of hole plug before drive. Length Recovered:0.8 ft. Length Retained:0.8 ft.		
							19	▲					
							30	▲					
							(49)	▲					
65			◆				18	▲	D-20		Poorly graded SAND, dense, grayish brown, moist, homogeneous, HCl not tested. Length Recovered:1.5 ft. Length Retained:1.5 ft.		
							22	▲					
							25	▲					
							(47)	▲					
70			◆										

SOILA\_TEST\_XL-3604\_CRC-SR-14\_INTERCHANGE.GPJ SOIL\_GDT\_9/2/11

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LOG OF TEST BORING

Start Card R-80825

Job No. XL-3604-C SR I-5 Elevation ft

HOLE No. CRC-TR-1p-11

Sheet 4 of 6

Project CRC SR-14 and I-5 Interchange

Driller Haller, Robert

Lic# 2779

Depth (ft)	Elevation (ft)	Profile	Field SPT (N)				Blows/6" (N) and/or RQD FF	Sample Type	Sample No. (Tube No.)	Lab Tests	Description of Material	Groundwater	Instrument
			20	40	60	80							
75													
80													
85													
90													
95													

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LOG OF TEST BORING

Start Card R-80825

Job No. XL-3604-C

SR I-5

Elevation ft

HOLE No. CRC-TR-1p-11

Sheet 5 of 6

Project CRC SR-14 and I-5 Interchange

Driller Haller, Robert

Lic# 2779

Depth (ft)	Elevation (ft)	Profile	Field SPT (N)				Blows/6" (N) and/or RQD FF	Sample Type	Sample No. (Tube No.)	Lab Tests	Description of Material	Groundwater	Instrument
			20	40	60	80							
											homogeneous, HCl not tested. Length Recovered:1.2 ft. Length Retained:1.2 ft.		
100									D-27		Well graded GRAVEL, sub-rounded, very dense, black, moist, homogeneous, HCl not tested. Length Recovered:0.2 ft. Length Retained:0.2 ft.		
105									D-28		Well graded GRAVEL with sand, sub-rounded, very dense, black, moist, homogeneous, HCl not tested. Length Recovered:0.2 ft. Length Retained:0.2 ft.		
110									D-29		Silty GRAVEL with sand, sub-rounded, very dense, black, drilling indicates cobbles present. Length Recovered:0.3 ft. Length Retained:0.3 ft.		
115									D-30		Well graded GRAVEL with sand, sub-rounded, very dense, black, wet, homogeneous, HCl not tested, drilling indicates cobbles present. Length Recovered:0.4 ft. Length Retained:0.4 ft.		
120									D-31		Silty GRAVEL with sand, sub-rounded, very dense, olive, wet, homogeneous, HCl not tested, multi colored rocks		

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Department of Transportation

LOG OF TEST BORING

Start Card R-80825

Job No. XL-3604-C SR I-5 Elevation ft

HOLE No. CRC-TR-1p-11

Sheet 6 of 6

Project CRC SR-14 and I-5 Interchange

Driller Haller, Robert Lic# 2779

Depth (ft)	Elevation (ft)	Profile	Field SPT (N)				Blows/6" (N) and/or RQD FF	Sample Type	Sample No. (Tube No.)	Lab Tests	Description of Material	Groundwater	Instrument
			20	40	60	80							
125							50 (50)	D-32		present. Length Recovered:0.4 ft. Length Retained:0.4 ft.			
130							50/2" (101)	D-33		Poorly graded GRAVEL, sub-rounded, very dense, gray, moist, homogeneous, HCl not tested, multi colored rocks present. Length Recovered:0.1 ft. Length Retained:0.1 ft. End of test hole boring at 129.2 ft below ground elevation. This is a summary Log of Test Boring. Soil/Rock descriptions are derived from visual field identifications and laboratory test data. Note: REF = SPT Refusal A flush mount monument was installed on this boring.			
135										The implied accuracy of the borehole location information displayed on this boring log is typically sub-meter in (X,Y) when collected by the HQ Geotech Division and sub-centimeter in (X,Y,Z) when collected by the Region Survey Crew.			
140													
145													

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LOG OF TEST BORING

Start Card S 42697

Job No. XL-3604-C SR 5 Elevation ft

HOLE No. CRC-TR-05-11

Sheet 2 of 7

Project Columbia River Crossing Transit Structures Phase 2

Driller Shepherd, Robert Lic# 2710

Depth (ft)	Elevation (ft)	Profile	Field SPT (N) Moisture Content RQD	Blows/6" (N) and/or RQD FF	Sample Type Sample No. (Tube No.)	Lab Tests	Description of Material	Groundwater	Instrument
			20 40 60 80				Length Recovered:1 ft. Length Retained:1 ft.		
25				5 (9)					
				10 16 18 (34)	D-13		Well graded SAND with gravel, dense, brown, wet, homogeneous, HCl not tested, at approx. 22.5' we encountered gravels demonstrated by drilling action. Length Recovered:0.9 ft. Length Retained:0.9 ft.		
30				14 13 10 (23)	D-14		Well graded GRAVEL with sand, sub-rounded, medium dense, dark gray, wet, homogeneous, HCl not tested, the water table was at 20.2'. Length Recovered:0.5 ft. Length Retained:0.5 ft.		
35				7 8 8 (16)	D-15		Well graded GRAVEL with sand, sub-rounded, medium dense, grayish brown, wet, homogeneous, HCl not tested. Length Recovered:0.7 ft. Length Retained:0.7 ft.		
40				14 15 15 (30)	D-16		Well graded SAND with gravel, medium dense, dark gray, wet, homogeneous, HCl not tested. Length Recovered:0.9 ft. Length Retained:0.9 ft.		
45				>> 42 50/5	D-17		No Recovery		

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SOILA\_TEST\_XL-3604\_CRC\_TRANSIT\_STRUCTURES.GPJ\_SOIL.GDT 9/9/11

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LOG OF TEST BORING

Start Card S 42697

Job No. XL-3604-C SR 5 Elevation ft

HOLE No. CRC-TR-05-11

Sheet 3 of 7

Project Columbia River Crossing Transit Structures Phase 2

Driller Shepherd, Robert Lic# 2710

Depth (ft)	Elevation (ft)	Profile	Field SPT (N)				Blows/6" (N) and/or RQD FF	Sample Type	Sample No. (Tube No.)	Lab Tests	Description of Material	Groundwater	Instrument
			20	40	60	80							
							(REF)						
50							12 15 15 (30)	D-18			Poorly graded SAND, medium dense, dark gray, moist, homogeneous, HCl not tested. Length Recovered: 1.4 ft. Length Retained: 1.4 ft.		
55							16 15 15 (30)	D-19			Poorly graded SAND, medium dense, grayish brown, moist, homogeneous, HCl not tested. Length Recovered: 1.4 ft. Length Retained: 1.4 ft.		
60							16 20 20 (40)	D-20			Poorly graded SAND, dense, grayish brown, moist, homogeneous, HCl not tested. Length Recovered: 1.5 ft. Length Retained: 1.5 ft.		
65							18 24 23 (47)	D-21			Poorly graded SAND, dense, grayish brown, moist, homogeneous, HCl not tested. Length Recovered: 1.5 ft. Length Retained: 1.5 ft.		
70							17 20	D-22			Poorly graded SAND, dense, grayish brown, moist, homogeneous, HCl not tested.		

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Department of Transportation

LOG OF TEST BORING

Start Card S 42697

Job No. XL-3604-C SR 5 Elevation ft

HOLE No. CRC-TR-05-11

Sheet 4 of 7

Project Columbia River Crossing Transit Structures Phase 2

Driller Shepherd, Robert Lic# 2710

Depth (ft)	Elevation (ft)	Profile	Field SPT (N)				Blows/6" (N) and/or RQD FF	Sample Type	Sample No. (Tube No.)	Lab Tests	Description of Material	Groundwater	Instrument
			20	40	60	80							
											Length Recovered: 1.5 ft. Length Retained: 1.5 ft.		
75						23 (43)							
						6 (29)	D-23				Poorly graded SAND, medium dense, brown, moist, homogeneous, HCl not tested. Length Recovered: 1.3 ft. Length Retained: 1.3 ft.		
80						11 (25)	D-24				Poorly graded SAND, medium dense, grayish brown, wet, homogeneous, HCl not tested. Length Recovered: 1.3 ft. Length Retained: 1.3 ft.		
85						11 (55)	D-25				Poorly graded SAND, very dense, grayish brown, moist, homogeneous, HCl not tested. Length Recovered: 1.3 ft. Length Retained: 1.3 ft.		
90						6 (24)	D-26				Silty SAND, medium dense, grayish brown, wet, stratified, HCl not tested, poorly graded sand stratified with brown silt. Length Recovered: 1.3 ft. Length Retained: 1.3 ft.		
95						28 (39)	D-27				Poorly graded SAND, very dense, grayish brown, moist, homogeneous, HCl not tested, at approx. 97.5' we		

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LOG OF TEST BORING

Start Card S 42697

Job No. XL-3604-C SR 5 Elevation ft

HOLE No. CRC-TR-05-11

Sheet 5 of 7

Project Columbia River Crossing Transit Structures Phase 2

Driller Shepherd, Robert Lic# 2710

Depth (ft)	Elevation (ft)	Profile	Field SPT (N)				Blows/6" (N) and/or RQD FF	Sample Type	Sample No. (Tube No.)	Lab Tests	Description of Material	Groundwater	Instrument
			20	40	60	80							
											encountered gravels demonstrated by drilling action. Length Recovered:1.2 ft. Length Retained:1.2 ft.		
100						>>		50/3 (REF)	D-28		No Recovery		
105						>>		50/3 (REF)	D-29		Well graded GRAVEL with sand, rounded, very dense, dark gray, wet, homogeneous, HCl not tested, at 110' we 100% water loss. Length Recovered:0.3 ft. Length Retained:0.3 ft.		
110						>>		50/3 (REF)	D-30		Well graded GRAVEL with sand, rounded, very dense, dark gray, wet, homogeneous, HCl not tested. Length Recovered:0.3 ft. Length Retained:0.3 ft.		
115						>>		50/4 (REF)	D-31		Well graded GRAVEL, rounded, very dense, grayish brown, wet, homogeneous, HCl not tested. Length Recovered:0.3 ft. Length Retained:0.3 ft.		
120						>>		50/3 (REF)	D-32		Well graded GRAVEL with sand, rounded, very dense, dark gray, wet, homogeneous, HCl not tested.		

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LOG OF TEST BORING

Start Card S 42697

Job No. XL-3604-C SR 5 Elevation ft

HOLE No. CRC-TR-05-11

Sheet 6 of 7

Project Columbia River Crossing Transit Structures Phase 2

Driller Shepherd, Robert Lic# 2710

Depth (ft)	Elevation (ft)	Profile	Field SPT (N)				Blows/6" (N) and/or RQD FF	Sample Type	Sample No. (Tube No.)	Lab Tests	Description of Material	Groundwater	Instrument
			20	40	60	80							
											Length Recovered:0.3 ft. Length Retained:0.3 ft.		
125								50/1 (REF)	D-33		No Recovery		
130								50/1 (REF)	D-34		No Recovery		
135								50/2 (REF)	D-35		Well graded GRAVEL, rounded, very dense, dark gray, wet, homogeneous, HCl not tested. Length Recovered:0.2 ft. Length Retained:0.2 ft.		
140								50/1 (REF)	D-36		No Recovery		
145								50/1 (REF)	D-37		No Recovery		

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Job Number: XL-3604-G  
 Boring: CRC-TR-10P-12

448385

Please print, sign and return to the Department of Ecology

**RESOURCE PROTECTION WELL REPORT**

**CURRENT Notice of Intent No.** R-80845

(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: \_\_\_\_\_

Property Owner WSDOT

Consulting Firm WSDOT

Site Address Vic of West 16th. and Main st.

Unique Ecology Well IDTag No. BHM-713

City \_\_\_\_\_ County Clark

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.

Location NW 1/4-1/4 NE 1/4 Sec 27 Twn 2N R 1

EWM  or WWM

Driller  Engineer  Trainee  
 Name (Print Last, First Name) Henderson, Danny  
 Driller/Engineer /Trainee Signature [Signature]  
 Driller or Trainee License No. 2742

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

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

Tax Parcel No. \_\_\_\_\_

Cased or  Uncased Diameter 4" Static Level 38.2'

Work/Decommission Start Date 3/15/2012

Work/Decommission Completed Date 3/20/2012

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

Construction Design	Well Data	Formation Description
0 - 1.5 ft Top Seal		0 - 7 ft Sand
		7 - 9 ft Sand with silt
1.5 - 63 ft Pipe in bentonite		9 - 17 ft Sand
		17 - 19 ft Sand with silt
63 - 65 ft Pipe in sand		19 - 24 ft Gravel with sand and silt
		24 - 29 ft Gravel
65 - 85 ft Screen in sand		29 - 39 ft Gravel with sand and silt
		39 - 44 ft Sand with silt
85 - 119.5 ft Bottom seal		44 - 94 ft Sand
		94 - 98 ft Sand with silt
		98 - 104 ft Sand with gravel
		104 - 109 ft Gravel
		109 - 114 ft Sand with gravel
		114 - 119 ft Gravel
		119 - 119.5 ft Sand with gravel

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Job Number: XL-3604-G  
Boring: CRC-TR-9P-12

448386 Please print, sign and return to the Department of Ecology  
**RESOURCE PROTECTION WELL REPORT**

**CURRENT Notice of Intent No.** R-80845

(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: \_\_\_\_\_

Property Owner WSDOT

Consulting Firm WSDOT

Site Address Vis of West.16th. and Main St.

Unique Ecology Well IDTag No. BHM-714

City \_\_\_\_\_ County Clark

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.

Location NW 1/4-1/4 NE 1/4 Sec 27 Twn 2-N R 1

EWM  or WWM

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

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

Driller  Engineer  Trainee

Name (Print Last, First Name) Henderson, Dany

Driller/Engineer /Trainee Signature [Signature]

Driller or Trainee License No. 2742

Tax Parcel No. \_\_\_\_\_

Cased or  Uncased Diameter 4" Static Level 58.9'

Work/Decommission Start Date 3/21/2012

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

Work/Decommission Completed Date 3/22/2012

Construction Design	Well Data	Formation Description
0 - 1.5 ft Top Seal		0 - 7.5 ft Gravel with sand and silt
		7.5 - 9 ft Sand with gravel
1.5 - 71 ft Pipe in bentonite		9 - 24 ft Sand with silt
		24 - 29 ft Gravel
71 - 73 ft Pipe in sand		29 - 34 ft Sand with gravel
		34 - 54 ft Sand
73 - 83 ft Screen in sand		54 - 64 ft Sand with silt
		64 - 79 ft Sand
83 - 119.5 ft Bottom seal		79 - 84 ft Sand with silt
		84 - 89 ft Sand
		89 - 99 ft Sand with silt
		99 - 104 ft Sand with gravel
		104 - 109 ft Gravel with sand and silt
		109 - 114 ft Sand with gravel
		114 - 119 ft Gravel
		119 - 119.5 ft Sand with gravel

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

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

Job Number: XL-3604-G  
Boring: CRC-TR-11p-12

448389 Please print, sign and return to the Department of Ecology  
**RESOURCE PROTECTION WELL REPORT**

**CURRENT Notice of Intent No.** R-80845

(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: \_\_\_\_\_

Property Owner WSDOT

Consulting Firm WSDOT

Site Address Vic. Of W. 16th and Main St.

Unique Ecology Well IDTag No. BHM 712

City \_\_\_\_\_ County Clark

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.

Location NW 1/4-1/4 NE 1/4 Sec 27 Twn 2N R 1

EWM  or WWM

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

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

Driller  Engineer  Trainee  
Name (Print Last, First Name) Shepherd, Robert

Tax Parcel No. \_\_\_\_\_

Driller/Engineer /Trainee Signature Robert A. Shepherd

Cased or  Uncased Diameter 6" Static Level Dry

Driller or Trainee License No. 2710

Work/Decommission Start Date 3/22/2012

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

Work/Decommission Completed Date 3/27/2012

Construction Design	Well Data	Formation Description
0 - 2 ft Top Seal		0 - 4 ft Sand with silt
2 - 15 ft Pipe in bentonite		4 - 6 ft Gravel with sand and silt
15 - 20 ft Pipe in sand		6 - 24 ft Sand with silt
20 - 40 ft Screen in sand		24 - 39 ft Sand with gravel
40 - 119.3 ft Bottom seal		39 - 49 ft Sand with silt
		49 - 74 ft Sand
		74 - 89 ft Gravel with sand and silt
		89 - 99 ft Sand
		99 - 119.3 ft Sand with gravel

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WA State Department of Ecology (SWRO)

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

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

Job Number: XL-3604-G  
Boring: CRC-TR-12si-12

448392 Please print, sign and return to the Department of Ecology

**RESOURCE PROTECTION WELL REPORT** CURRENT Notice of Intent No. R-80845

(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:

Property Owner WSDOT

Consulting Firm WSDOT

Site Address Vicinity of West 16th and Main St.

Unique Ecology Well IDTag No. BHM-715

City \_\_\_\_\_ County Clark

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.

Location NW 1/4-1/4 NE 1/4 Sec 27 Twn 2N R 1

EWM  or WWM

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

Driller  Engineer  Trainee  
Name (Print Last, First Name) Shepherd, Robert

Tax Parcel No. \_\_\_\_\_

Driller/Engineer/Trainee Signature [Signature]  
Driller or Trainee License No. 2710

Cased or  Uncased Diameter 7" Static Level 36.2'

Work/Decommission Start Date 3/15/2012

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

Work/Decommission Completed Date 3/21/2012

Construction Design	Well Data	Formation Description
0 - 2 ft Top Seal		0 - 0.2 ft Pavement
		0.2 - 4 ft Gravel with sand and silt
		4 - 6 ft Silt
2 - 134.5 ft Inclinometer in grout		6 - 9 ft Sand with silt
		9 - 12.5 ft Sand
		12.5 - 16 ft Sand with silt
		16 - 23.5 ft Silt
134.5 - 149.1 ft Bottom seal		23.5 - 39 ft Gravel with sand and silt
		39 - 49 ft Sand
		49 - 64 ft Sand with silt
		64 - 74 ft Sand
		74 - 99 ft Sand with silt
		99 - 149.1 ft Gravel with sand and silt

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

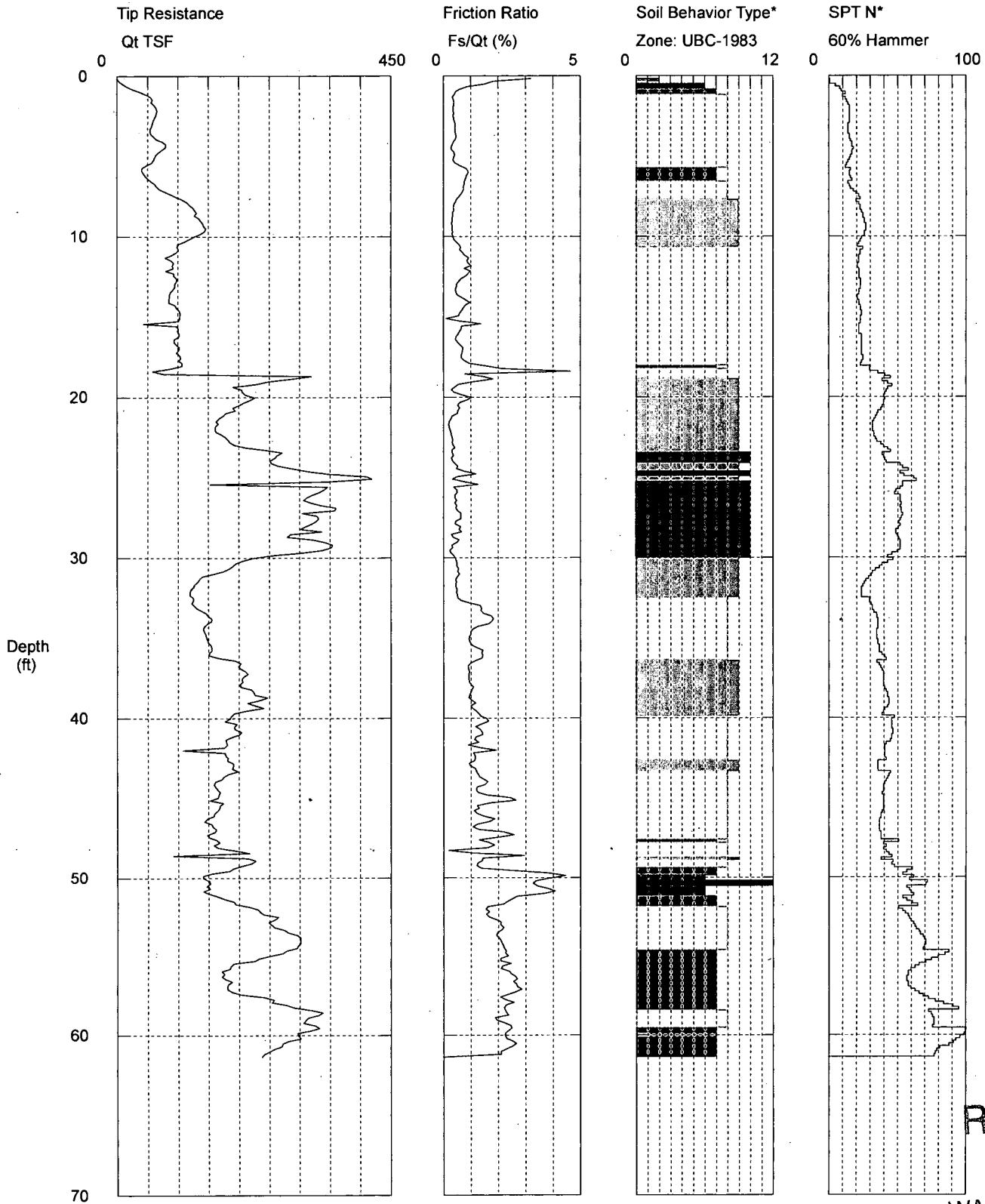
The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

# WSDOT Geotechnical Division

Operator: Brian Hilts Lic#: 2249 *BH*  
 Sounding: CPT-2A-12  
 Cone Used: DSG0302

CPT Date/Time: 3/21/2012 1:57:03 PM  
 Location: N: 117007 E: 1084805  
 Job Number: XL-3604G CRC - Transit Park & Ride (CPTs)

*486539*



Maximum Depth = 61.35 feet

Depth Increment = 0.164 feet

- |                          |                             |                            |                                |
|--------------------------|-----------------------------|----------------------------|--------------------------------|
| 1 sensitive fine grained | 4 silty clay to clay        | 7 silty sand to sandy silt | 10 gravelly sand to sand       |
| 2 organic material       | 5 clayey silt to silty clay | 8 sand to silty sand       | 11 very stiff fine grained (*) |
| 3 clay                   | 6 sandy silt to clayey silt | 9 sand                     | 12 sand to clayey sand (*)     |

Clark County S-42864/A-308959

NW1/4 of NE 1/4 Section: 27 Township: 2n  
 Range: 1 EWM Vicinity of Wet 16th and Main Street

\*Soil behavior type and SPT based on data from UBC-1983

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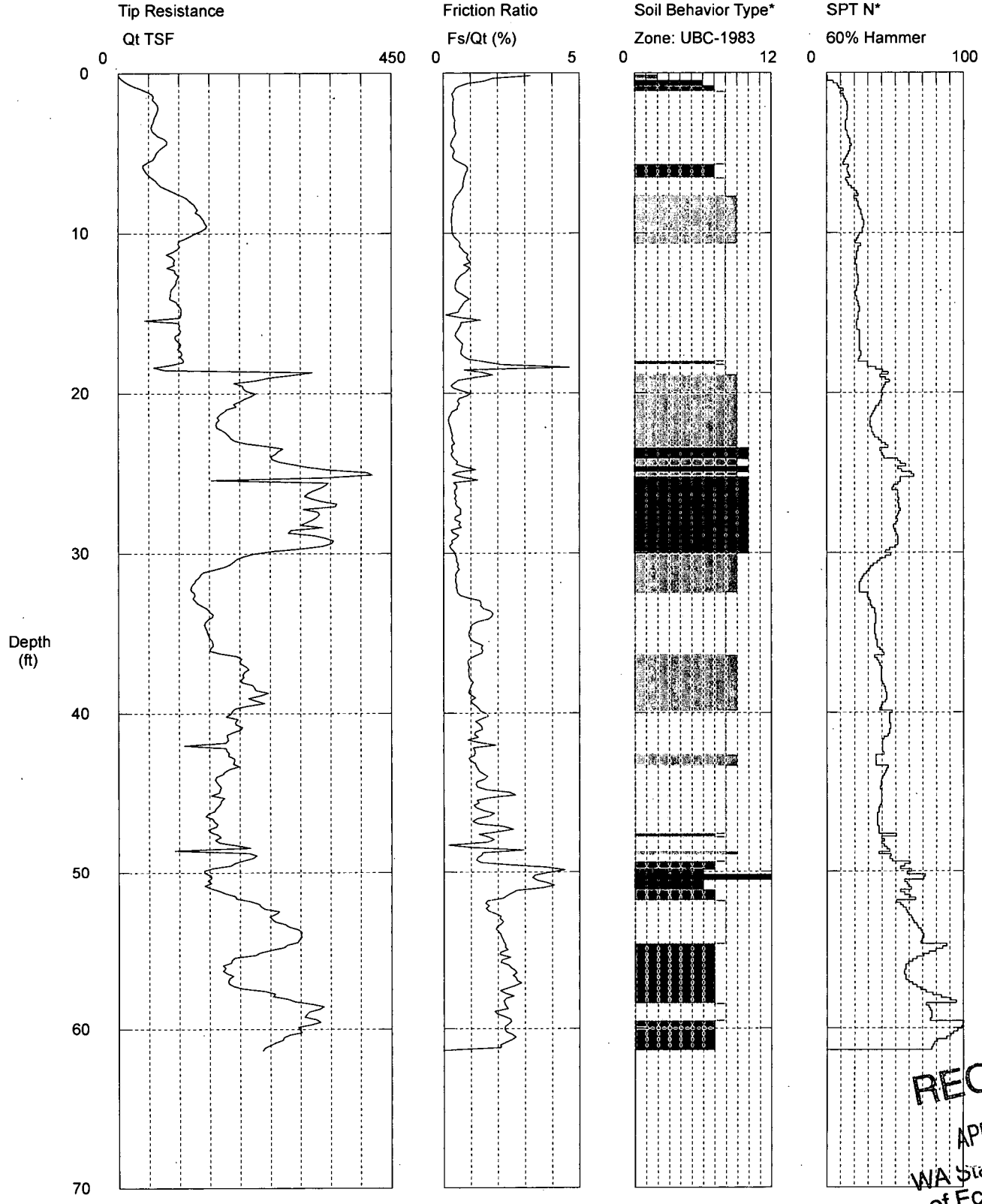
The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

# WSDOT Geotechnical Division

Operator: Brian Hilts Lic#: 2249 *BH*  
 Sounding: CPT-2A-12  
 Cone Used: DSG0302

CPT Date/Time: 3/21/2012 1:57:03 PM  
 Location: N: 117007 E: 1084805  
 Job Number: XL-3604G CRC - Transit Park & Ride (CPTs)

486540



Maximum Depth = 61.35 feet

Depth Increment = 0.164 feet

- |                          |                             |                            |                                |
|--------------------------|-----------------------------|----------------------------|--------------------------------|
| 1 sensitive fine grained | 4 silty clay to clay        | 7 silty sand to sandy silt | 10 gravelly sand to sand       |
| 2 organic material       | 5 clayey silt to silty clay | 8 sand to silty sand       | 11 very stiff fine grained (*) |
| 3 clay                   | 6 sandy silt to clayey silt | 9 sand                     | 12 sand to clayey sand (*)     |

Clark County S-42864/A-308959

NW1/4 of NE 1/4 Section: 27 Township: 2n  
 Range: -1 EWM Vicinity of Wet-16th and Main Street

\*Soil behavior type and SPT based on data from UBC-1983, 30' pilot hole backfilled with sand, seismic starting at 7 meters

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 of Ecology (SWRO)

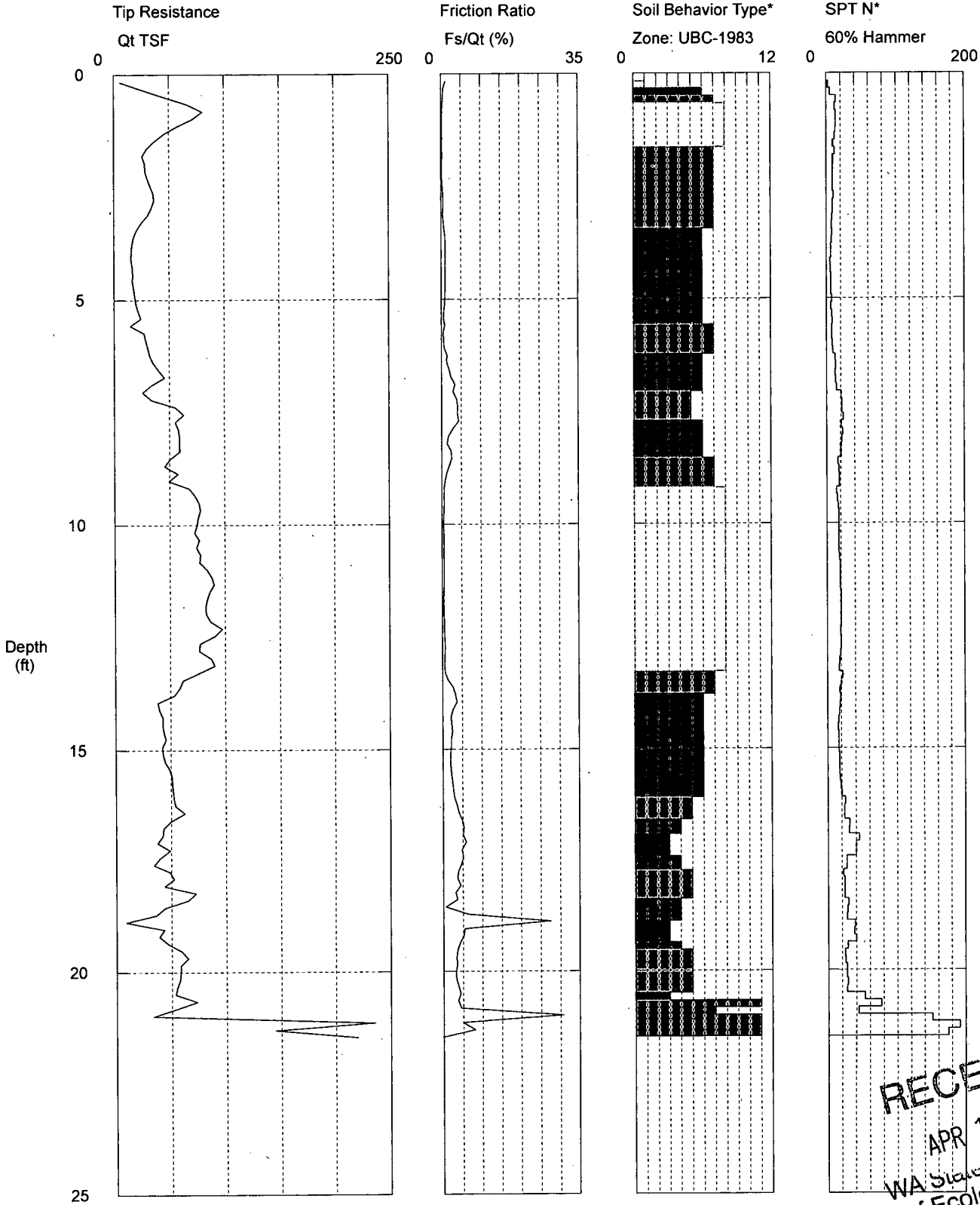
The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

# WSDOT Geotechnical Division

Operator: Brian Hilts Lic#: 2249 *BH*  
 Sounding: CPT-1-12  
 Cone Used: DSG0302

CPT Date/Time: 3/19/2012 2:18:58 PM  
 Location: N: 116822 E: 1084865  
 Job Number: XL-3604G CRC-Transit Parn&Ride (CPTs)

*486541*



Maximum Depth = 21.49 feet

Depth Increment = 0.164 feet

- |                          |                             |                            |                                |
|--------------------------|-----------------------------|----------------------------|--------------------------------|
| 1 sensitive fine grained | 4 silty clay to clay        | 7 silty sand to sandy silt | 10 gravelly sand to sand       |
| 2 organic material       | 5 clayey silt to silty clay | 8 sand to silty sand       | 11 very stiff fine grained (*) |
| 3 clay                   | 6 sandy silt to clayey silt | 9 sand                     | 12 sand to clayey sand (*)     |

Clark County S-42864/A-308959

NW1/4 of NE 1/4 Section: 27 Township: 2n  
 Range: 1 EWM Vicinity of West 16th and Main Street

\*Soil behavior type and SPT based on data from UBC-1983 seismic done on asphalt

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 of Ecology (SWRO)

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

# WSDOT Geotechnical Division

Operator: Brian Hilts Lic#: 2249 *BH*

Sounding: CPT-1-12

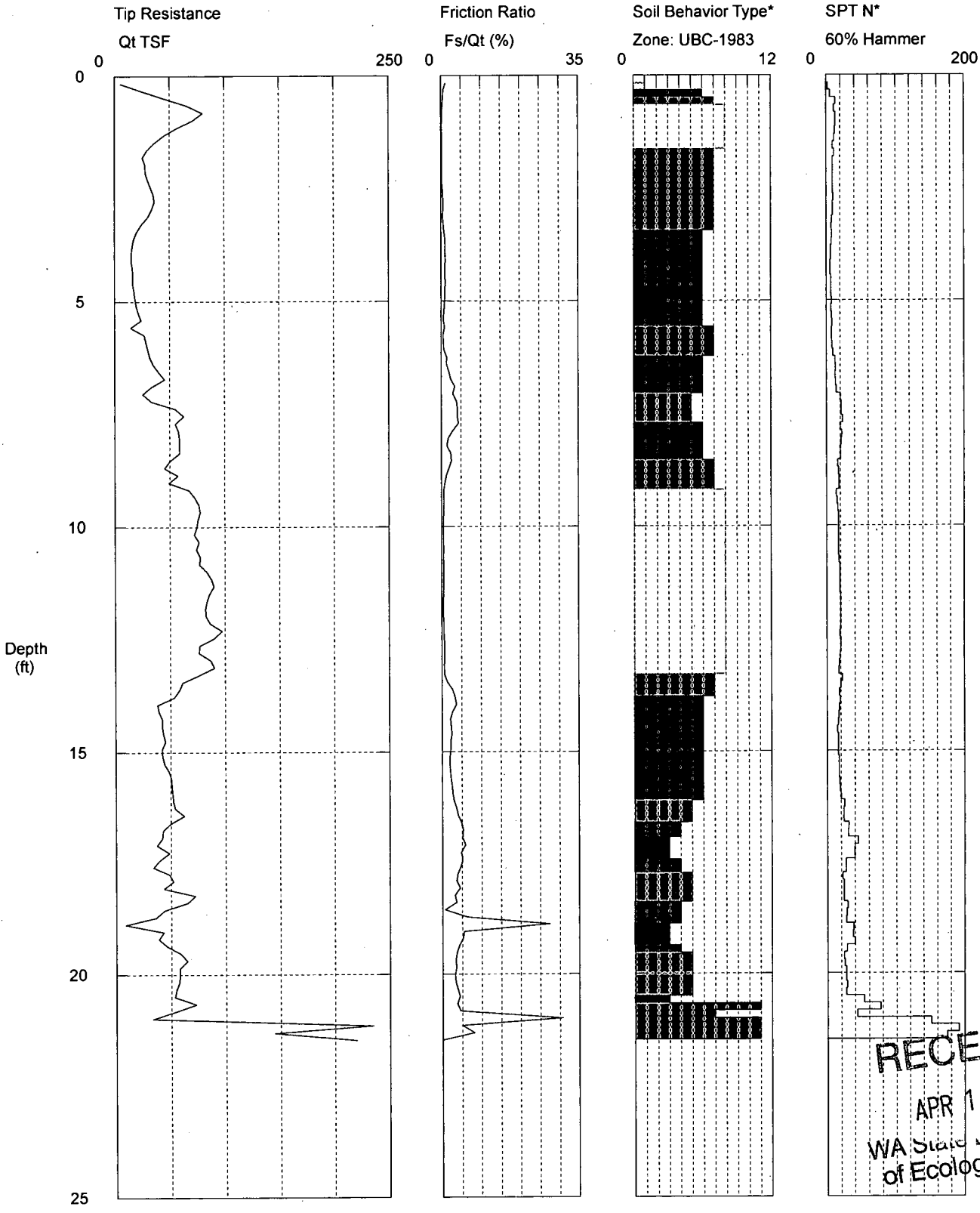
Cone Used: DSG0302

CPT Date/Time: 3/19/2012 2:18:58 PM

Location: N: 116822 E: 1084865

Job Number: XL-3604G CRC-Transit Parn&Ride (CPTs)

*486542*



Maximum Depth = 21.49 feet

Depth Increment = 0.164 feet

- |                          |                             |                            |                                |
|--------------------------|-----------------------------|----------------------------|--------------------------------|
| 1 sensitive fine grained | 4 silty clay to clay        | 7 silty sand to sandy silt | 10 gravelly sand to sand       |
| 2 organic material       | 5 clayey silt to silty clay | 8 sand to silty sand       | 11 very stiff fine grained (*) |
| 3 clay                   | 6 sandy silt to clayey silt | 9 sand                     | 12 sand to clayey sand (*)     |

Clark County S-42864/A-308959

7' pilot hole backfilled with sand/Seismic done on asphalt

NW1/4 of NE 1/4 Section: 27 Township: 2n

Range: 1 EWM Vicinity of West 16th and Main Street

\*Soil behavior type and SPT based on data from UBC-1983

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 WA State Department  
 of Ecology (SWRO)

# RESOURCE PROTECTION WELL REPORT

CURRENT Notice of Intent No. AE 33042

(SUBMIT ONE WELL REPORT PER WELL INSTALLED)

Construction/Decommission (select one)

- Construction  
 Decommission ORIGINAL INSTALLATION Notice  
of Intent Number SE 55429

Type of Well (select one)

- Resource Protection  
 Geotech Soil Boring

Consulting Firm CARLSON TESTING

Property Owner CARLSON TESTING

Unique Ecology Well ID \_\_\_\_\_

Site Address 1510 C ST.

Tag No. B-1

City VANCOUVER County CLARK

Location NW1/4-1/4 NW1/4 Sec 27 Twn 2 R 1  EWM  WWM

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) ALLEN MEEUWSEN  
Driller/Engineer/Trainee Signature *Allen Meeuwsen*  
Driller or Trainee License No. 2411

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

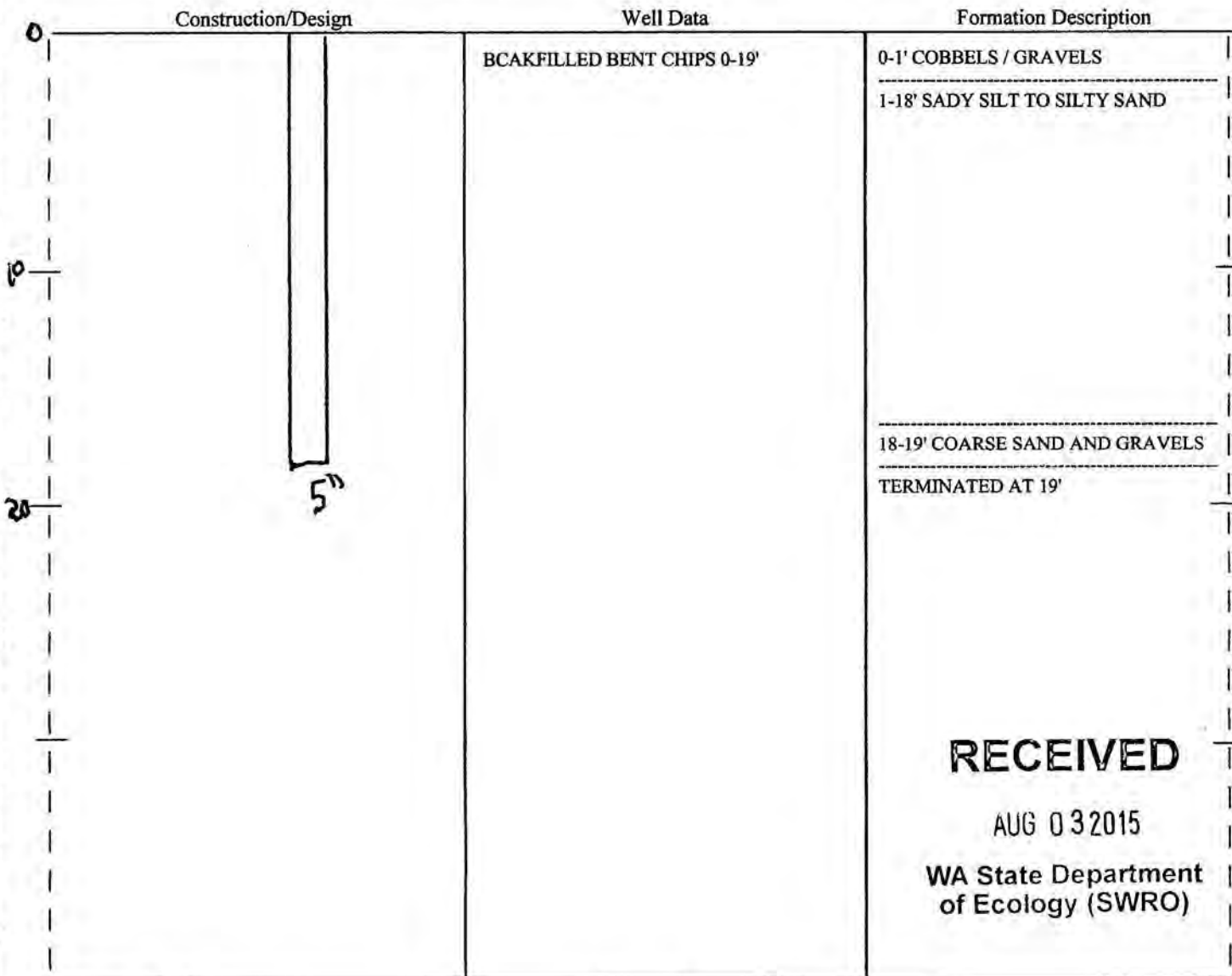
Tax Parcel No. \_\_\_\_\_

Cased or Uncased Diameter 8" Static Level \_\_\_\_\_

Work/Decommission Start Date 7/21/15

Work/Decommission Completed Date 7/21/15

If trainee, licensed driller's Signature and License No. 2411



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WA State Department of Ecology (SWRO)

1"=10'

1 1

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report



# RESOURCE PROTECTION WELL REPORT

CURRENT Notice of Intent No. SE 55429

(SUBMIT ONE WELL REPORT PER WELL INSTALLED)

Construction/Decommission (select one)

- Construction  
 Decommission ORIGINAL INSTALLATION Notice  
of Intent Number \_\_\_\_\_

Consulting Firm CARLSON TESTING

Unique Ecology Well ID \_\_\_\_\_

Tag No. B-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) ALLEN MEEUWSEN

Driller/Engineer /Trainee Signature *Allen Meeuwse*

Driller or Trainee License No. 2411

If trainee, licensed driller's

Signature and License No. 2411

Type of Well (select one)

- Resource Protection  
 Geotech Soil Boring

Property Owner CARLSON TESTING

Site Address 1510 C ST.

City VANCOUVER County CLARK

Location NW1/4-1/4 NW1/4 Sec 27 Twn 2 R 1 Select One  EWM  WWM

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

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

Tax Parcel No. \_\_\_\_\_

Cased or Uncased Diameter 8" Static Level \_\_\_\_\_

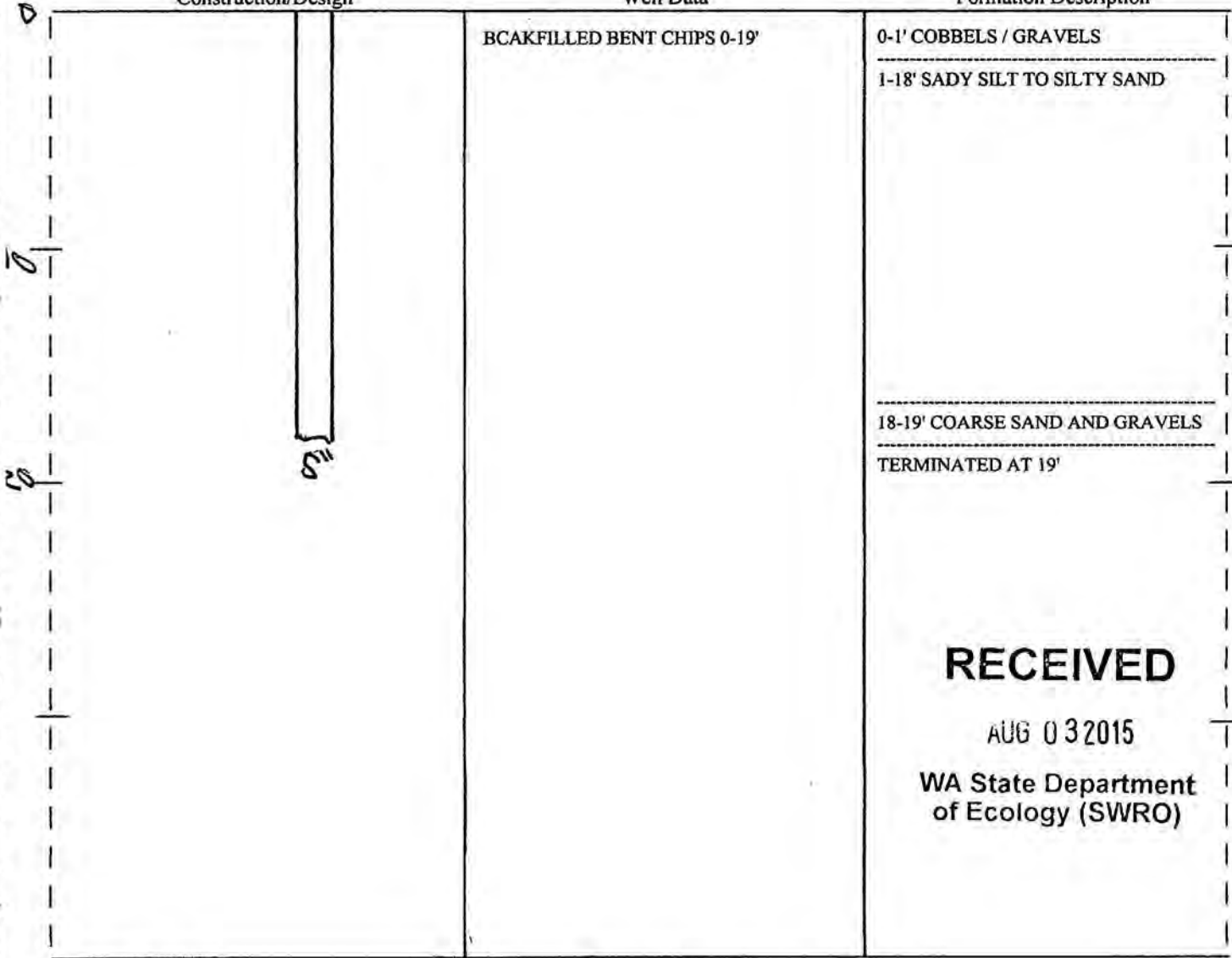
Work/Decommission Start Date 7/21/15

Work/Decommission Completed Date 7/21/15

Construction/Design

Well Data

Formation Description



1"=10'

1 1

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

# GEOTECHNICAL BORING REPORT

(SUBMIT ONE WELL REPORT PER WELL INSTALLED)

**CURRENT**

Notice of Intent No. \_\_\_\_\_

AE17519

**Construction/Decommission**

**P12171-6712**

Type of Well

483153

Construction

Decommission *ORIGINAL INSTALLATION* Notice  
of Intent Number EE03999

Geotechnical Soil Boring

Property Owner

EDWARD A FISCHER

Site Address

202 E MILL PLAIN BLVD

Consulting Firm EVERGREEN ENVIRONMENTAL

City

VANCOUVER

County

CLARK

Geotechnical Soil Boring

Location

1/4 NW 1/4 NW Sec

27 Twn

2N R

1E or

Hole #

5

EWM

WWM

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

Lat/Long (s,t,r

Lat Deg

Lat Min/Sec

still Required)

Long Deg

Long Min/Sec

Tax Parcel No. \_\_\_\_\_

Driller  Trainee Name (Print)

MARC CHALONA

Driller/Trainee Signature

*Marc Chalona*

Cased or Uncased Diameter

2.25"

Static Level N/A

Driller/Trainee License No.

3000

Work/Decommission Start Date

5/21/2012

If trainee, licensed driller's

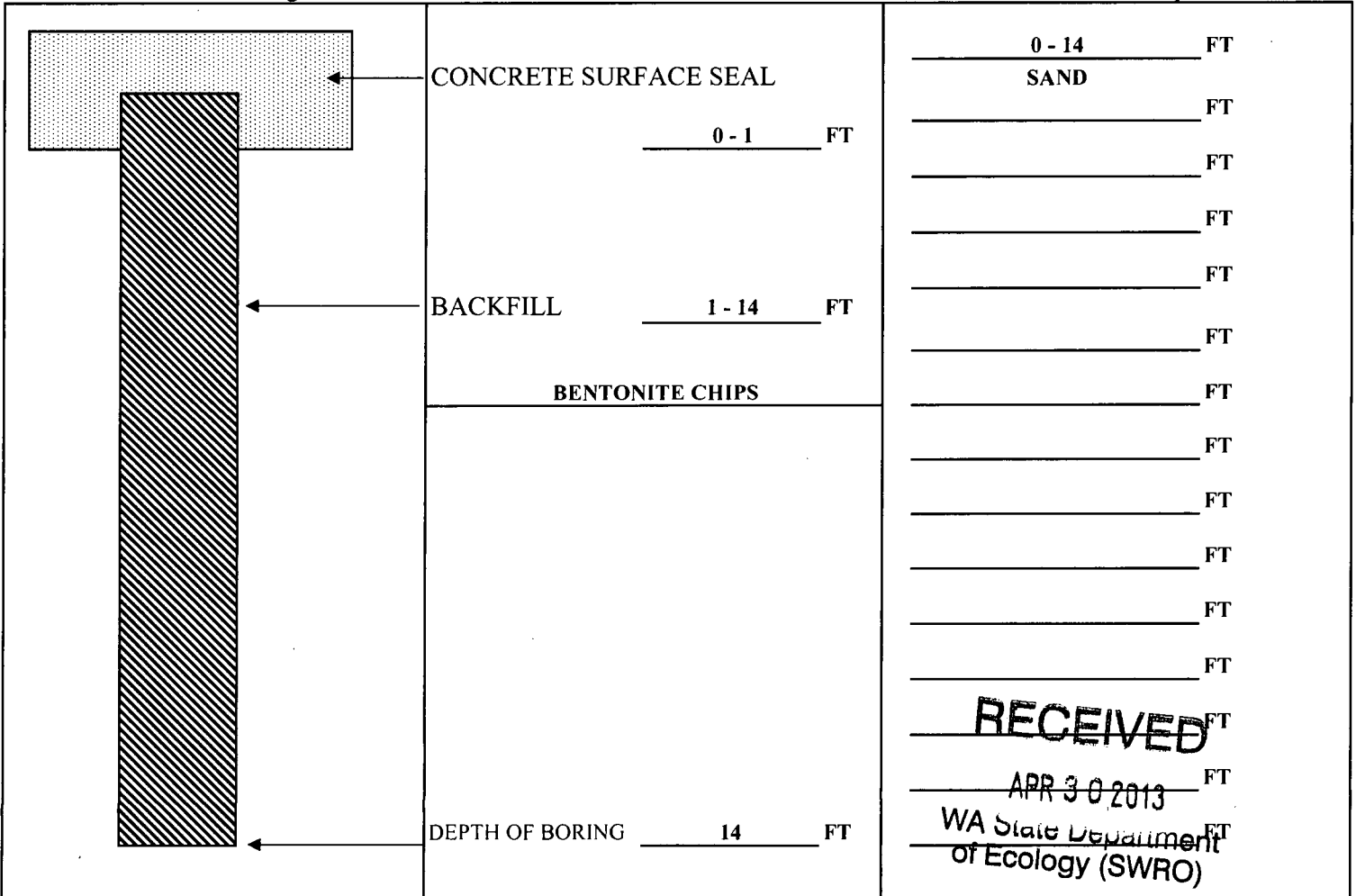
Signature and License No.

Work/Decommission Completed Date

5/21/2012

**Construction/Design**

**Formation Description**



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# GEOTECHNICAL BORING REPORT

(SUBMIT ONE WELL REPORT PER WELL INSTALLED)

CURRENT

Notice of Intent No.

AE17519

## Construction/Decommission

**P12171-6712**

Type of Well

483150

Construction

Decommission ORIGINAL INSTALLATION Notice

of Intent Number EE03999

Geotechnical Soil Boring

Property Owner EDWARD A FISCHER

Site Address 202 E MILL PLAIN BLVD

Consulting Firm EVERGREEN ENVIRONMENTAL

City VANCOUVER County CLARK

Geotechnical Soil Boring

Location 1/4 NW 1/4 NW Sec 27 Twn 2N R 1E or

Hole # 4

EWM  
WWM

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

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

Tax Parcel No. \_\_\_\_\_

Driller  Trainee Name (Print) MARC CHALONA

Driller/Trainee Signature Marc Chalona

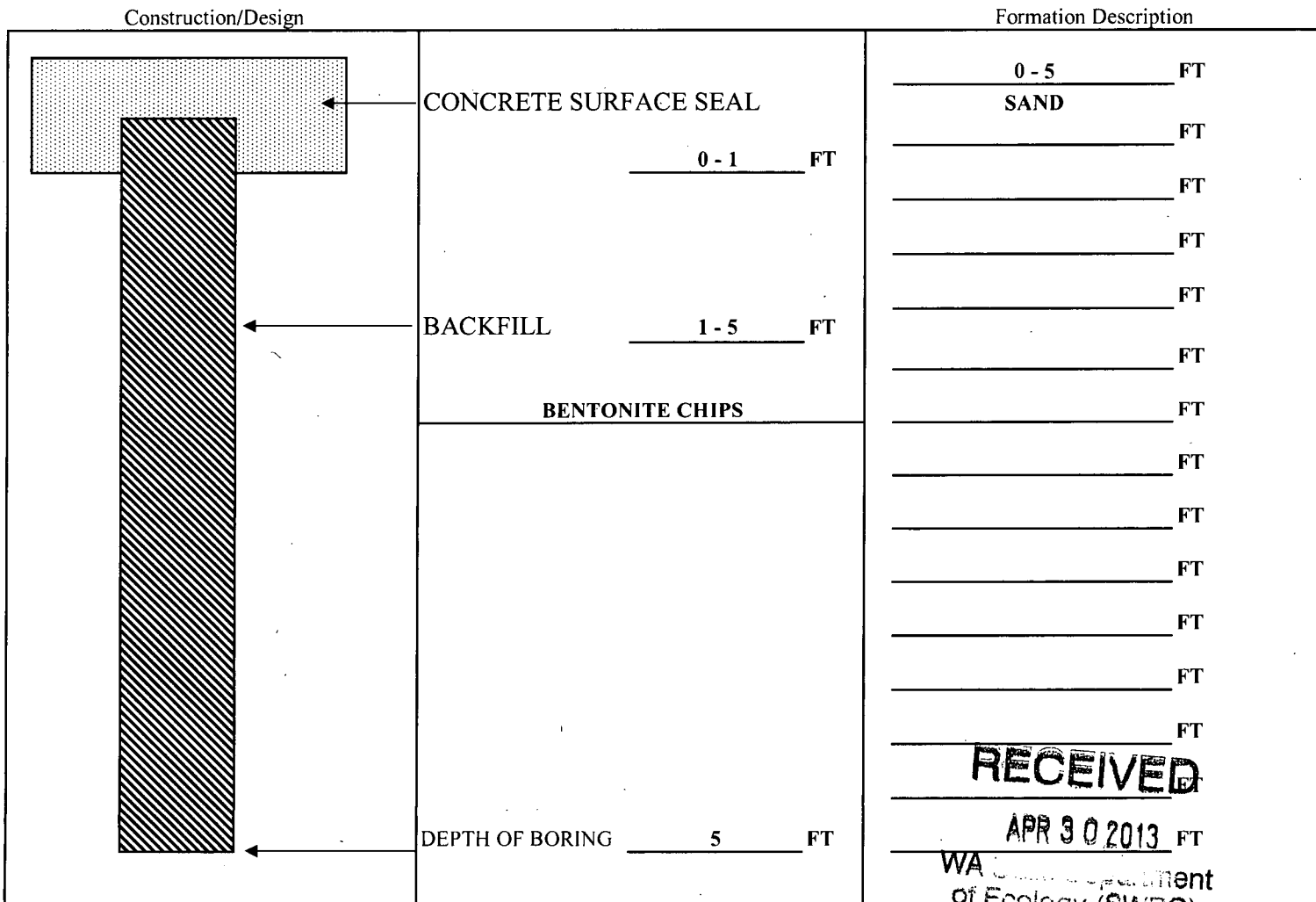
Cased or Uncased Diameter 2.25" Static Level N/A

Driller/Trainee License No. 3000

Work/Decommission Start Date 5/21/2012

If trainee, licensed driller's Signature and License No. \_\_\_\_\_

Work/Decommission Completed Date 5/21/2012



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The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

# GEOTECHNICAL BORING REPORT

(SUBMIT ONE WELL REPORT PER WELL INSTALLED)

**CURRENT**

Notice of Intent No. \_\_\_\_\_

AE17519

**Construction/Decommission**

**P12171-6712**

Type of Well \_\_\_\_\_

483149

Construction

Decommission *ORIGINAL INSTALLATION* Notice

Geotechnical Soil Boring

of Intent Number EE03999

Property Owner EDWARD A FISCHER

Site Address \_\_\_\_\_

202 E MILL PLAIN BLVD

Consulting Firm EVERGREEN ENVIRONMENTAL

City VANCOUVER

County CLARK

Geotechnical Soil Boring

Location 1/4 NW 1/4 NW Sec 27 Twn 2N R 1E or \_\_\_\_\_

Hole # 3

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

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

Tax Parcel No. \_\_\_\_\_

Driller  Trainee Name (Print) MARC CHALONA

Driller/Trainee Signature *Marc Chalona*

Cased or Uncased Diameter 2.25" Static Level N/A

Driller/Trainee License No. 3000

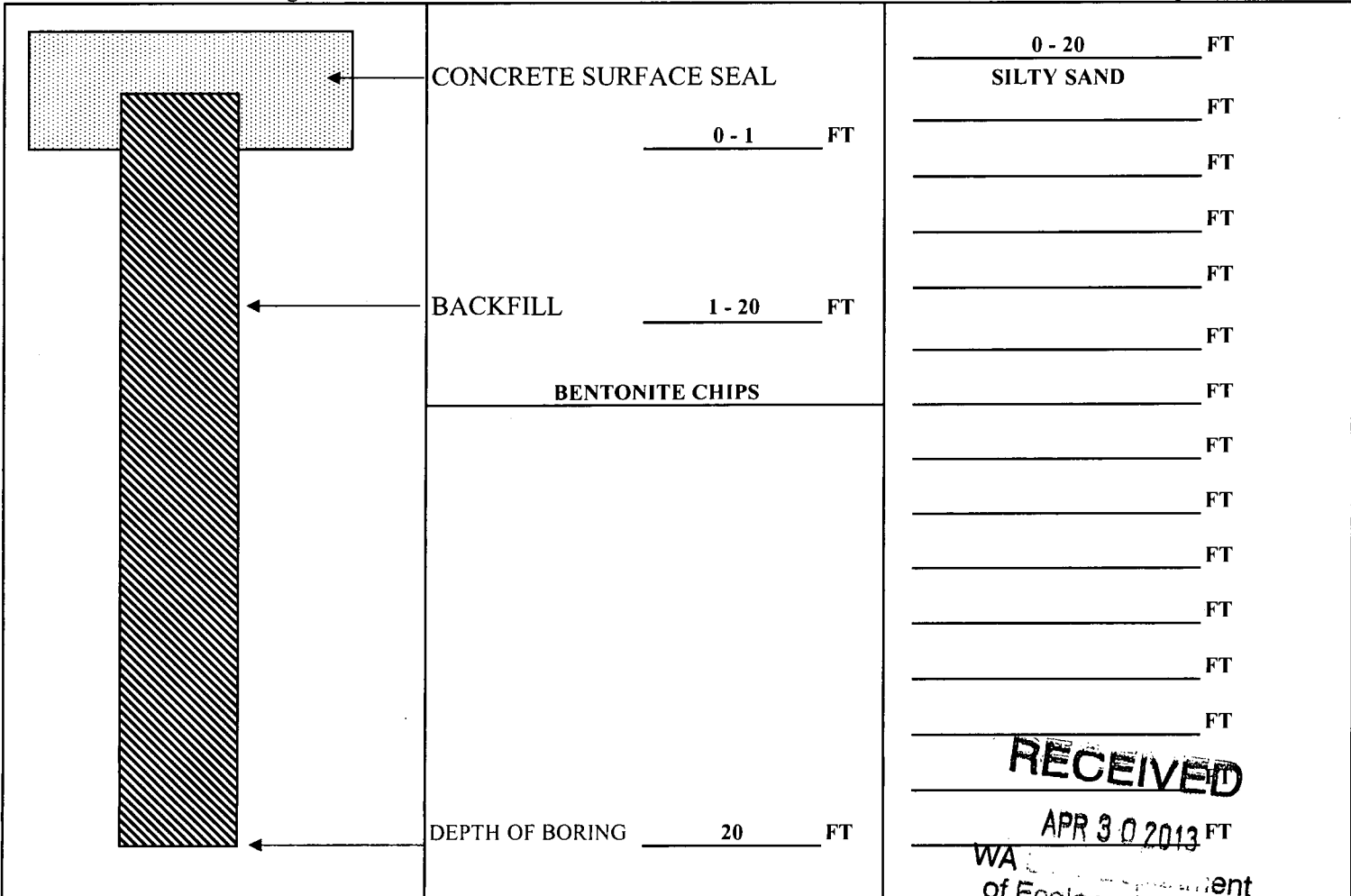
Work/Decommission Start Date 5/21/2012

If trainee, licensed driller's Signature and License No. \_\_\_\_\_

Work/Decommission Completed Date 5/21/2012

**Construction/Design**

**Formation Description**



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The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

# GEOTECHNICAL BORING REPORT

(SUBMIT ONE WELL REPORT PER WELL INSTALLED)

**CURRENT**  
 Notice of Intent No. AE17519

**P12171-6712**

Type of Well 483145

Construction/Decommission  
 Construction  
 Decommission *ORIGINAL INSTALLATION* Notice  
 of Intent Number EE03999

Geotechnical Soil Boring  
 Property Owner EDWARD A FISCHER  
 Site Address 202 E MILL PLAIN BLVD

Consulting Firm EVERGREEN ENVIRONMENTAL City VANCOUVER County CLARK

Geotechnical Soil Boring  
 Hole # 1 Location 1/4 NW 1/4 NW Sec 27 Twn 2N R 1E or WWM

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

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

Driller  Trainee Name (Print) MARC CHALONA  
 Driller/Trainee Signature *Marc Chalona*  
 Driller/Trainee License No. 3000

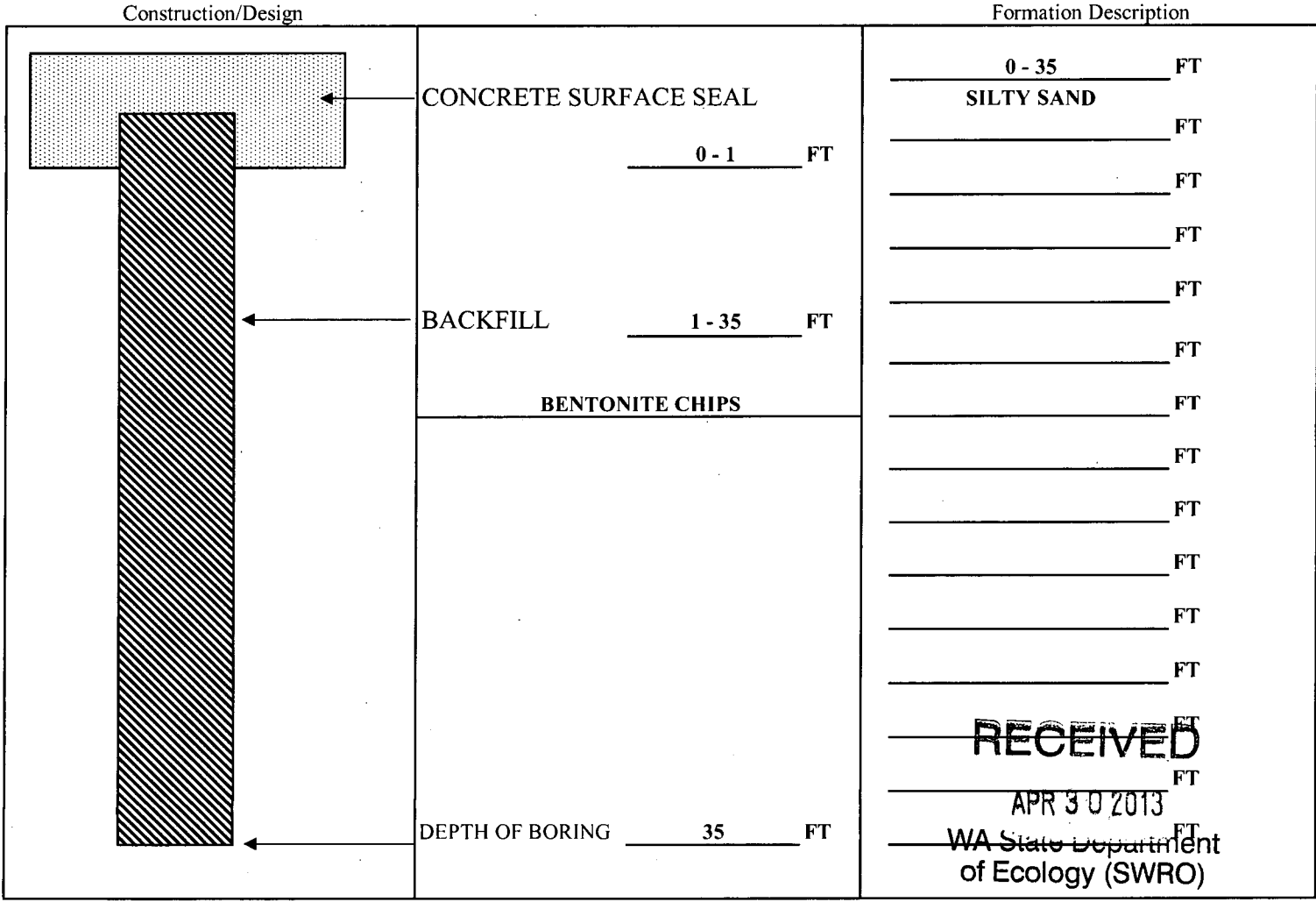
Tax Parcel No. \_\_\_\_\_

Cased or Uncased Diameter 2.25" Static Level N/A

Work/Decommission Start Date 5/21/2012

If trainee, licensed driller's Signature and License No. \_\_\_\_\_

Work/Decommission Completed Date 5/21/2012



The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

# GEOTECHNICAL BORING REPORT

(SUBMIT ONE WELL REPORT PER WELL INSTALLED)

**CURRENT**

Notice of Intent No. \_\_\_\_\_

AE17519

Construction/Decommission

**P12171-6712**

Type of Well

483146

Construction

Decommission *ORIGINAL INSTALLATION* Notice  
of Intent Number EE03999

Geotechnical Soil Boring

Property Owner EDWARD A FISCHER

Site Address 202 E MILL PLAIN BLVD

Consulting Firm EVERGREEN ENVIRONMENTAL

City VANCOUVER County CLARK

Geotechnical Soil Boring

Location 1/4 NW 1/4 NW Sec 27 Twp. 2N R 1E or \_\_\_\_\_

Hole # 2

\_\_\_\_\_ EWM  
\_\_\_\_\_ WWM

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

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

Tax Parcel No. \_\_\_\_\_

Driller  Trainee Name (Print) MARC CHALONA

Driller/Trainee Signature *Marc Chalona*

Cased or Uncased Diameter 2.25" Static Level N/A

Driller/Trainee License No. 3000

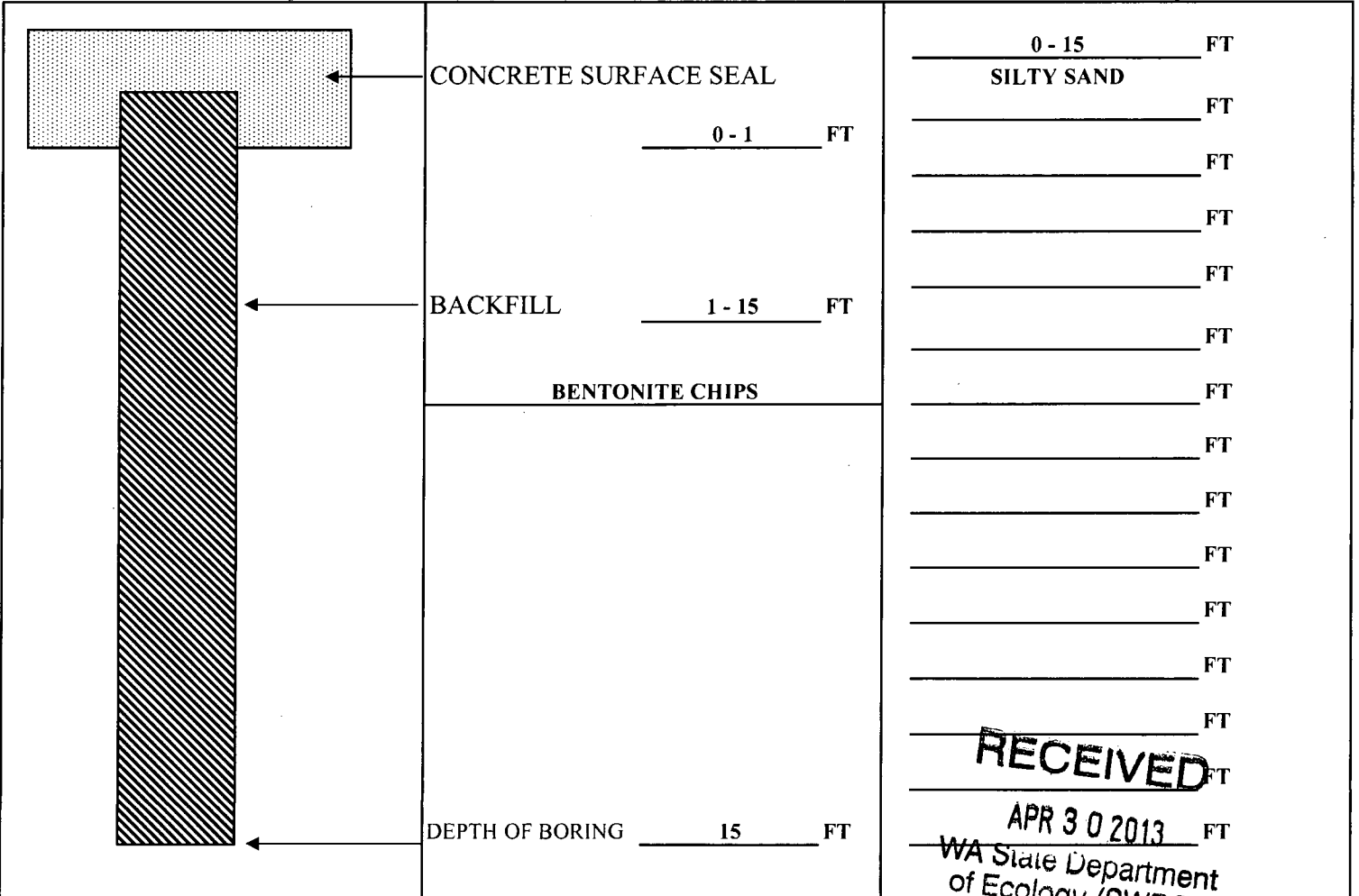
Work/Decommission Start Date 5/21/2012

If trainee, licensed driller's  
Signature and License No. \_\_\_\_\_

Work/Decommission Completed Date 5/21/2012

Construction/Design

Formation Description



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WA State Department  
of Ecology (SWRC)

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

# GEOTECHNICAL BORING REPORT

(SUBMIT ONE WELL REPORT PER WELL INSTALLED)

**CURRENT**

Notice of Intent No. \_\_\_\_\_

EE03999

Construction/Decommission

**P12171-6712**

Type of Well

483151

Construction

Decommission *ORIGINAL INSTALLATION Notice of Intent Number* \_\_\_\_\_

Geotechnical Soil Boring

Property Owner EDWARD A FISCHER

Site Address 202 E MILL PLAIN BLVD

Consulting Firm EVERGREEN ENVIRONMENTAL

City VANCOUVER County CLARK

Geotechnical Soil Boring

Location 1/4 NW 1/4 NW Sec 27 Twn 2N R 1E or \_\_\_\_\_  
EWM  
WWM

Hole # 4

WELL CONSTRUCTION CERTIFICATION: I constructed and/or accept responsibility for construction of this well, and its compliance with all Washington well construction standards

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

Materials used and the information reported above are true to my best knowledge and belief

Tax Parcel No. 040170000

Driller  Trainee Name (Print) MARC CHALONA

Driller/Trainee Signature *Marc Chalona*

Cased or Uncased Diameter 2.25" Static Level N/A

Driller/Trainee License No. 3000

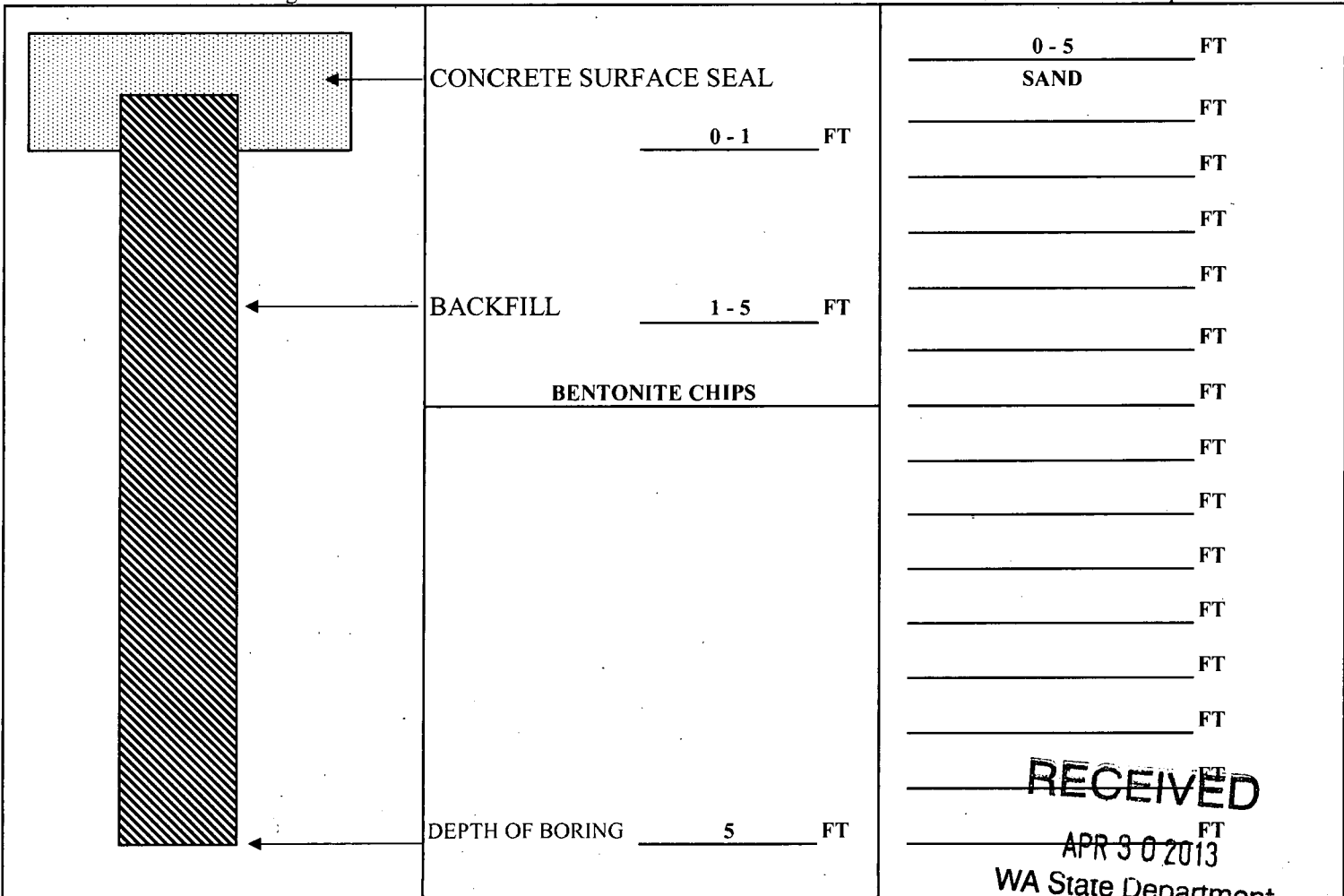
Work/Decommission Start Date 5/21/2012

If trainee, licensed driller's \_\_\_\_\_  
 Signature and License No. \_\_\_\_\_

Work/Decommission Completed Date 5/21/2012

Construction/Design

Formation Description



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WA State Department of Ecology (SWRO)

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Page 1 of 1

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# GEOTECHNICAL BORING REPORT

(SUBMIT ONE WELL REPORT PER WELL INSTALLED)

**CURRENT**

Notice of Intent No. \_\_\_\_\_

EE03999

Construction/Decommission

**P12171-6712**

Type of Well

483152

Construction

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

Geotechnical Soil Boring

Property Owner

EDWARD A FISCHER

Site Address

202 E MILL PLAIN BLVD

Consulting Firm EVERGREEN ENVIRONMENTAL

City

VANCOUVER

County

CLARK

Geotechnical Soil Boring

Location

1/4 NW 1/4 NW Sec 27 Twn 2N R 1E or \_\_\_\_\_

Hole #

5

WELL CONSTRUCTION CERTIFICATION: I constructed and/or accept responsibility for construction of this well, and its compliance with all Washington well construction standards

Lat/Long (s,t,r

Lat Deg \_\_\_\_\_

Lat Min/Sec \_\_\_\_\_

still Required) Long Deg \_\_\_\_\_

Long Min/Sec \_\_\_\_\_

Materials used and the information reported above are true to my best knowledge and belief

Tax Parcel No.

040170000

Driller  Trainee Name (Print)

MARC CHALONA

Driller/Trainee Signature

*Marc Chalona*

Cased or Uncased Diameter

2.25"

Static Level N/A

Driller/Trainee License No.

3000

Work/Decommission Start Date

5/21/2012

If trainee, licensed driller's

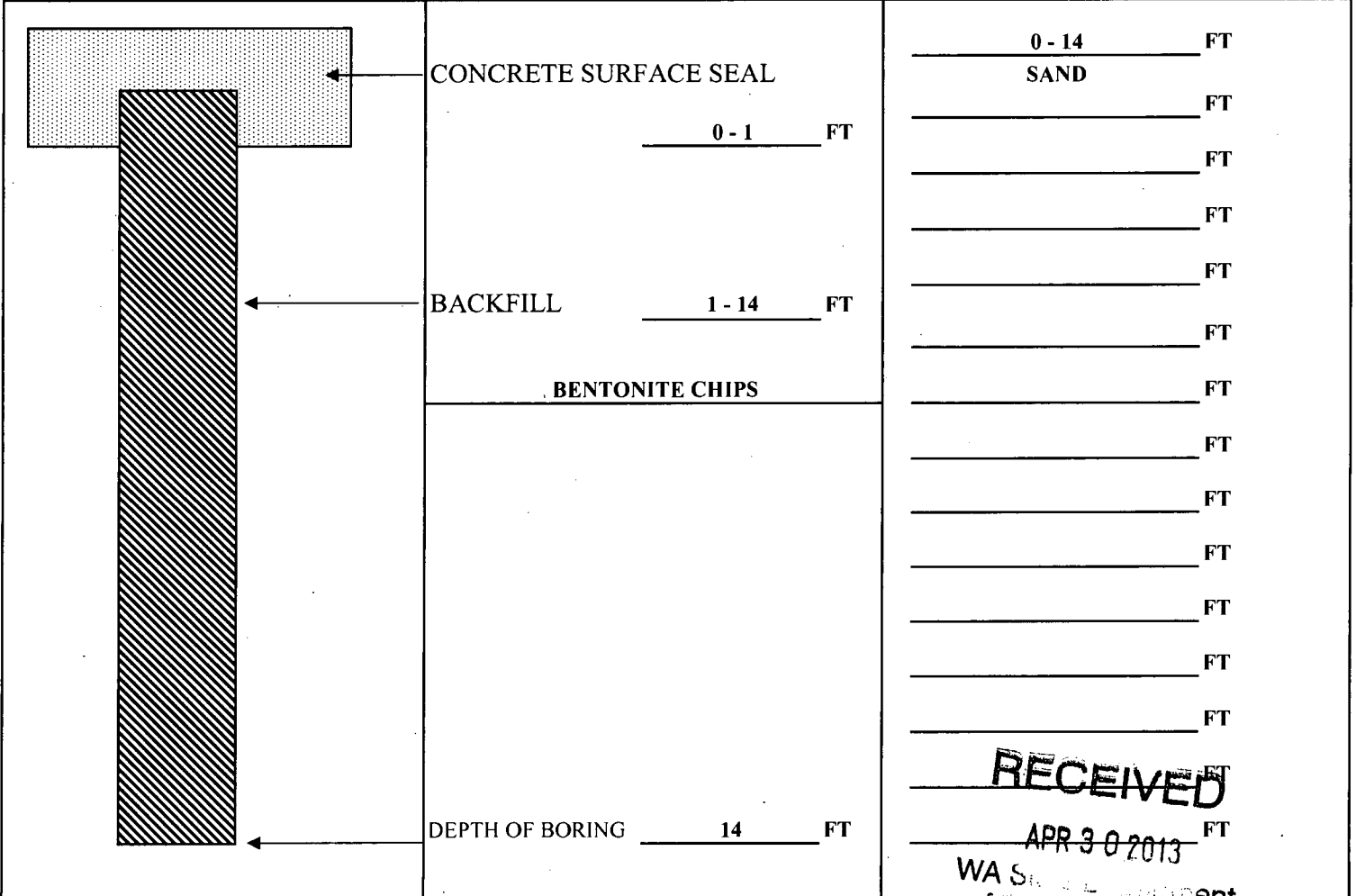
Work/Decommission Completed Date

5/21/2012

Signature and License No.

Construction/Design

Formation Description



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Page 1 of 1

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# GEOTECHNICAL BORING REPORT

(SUBMIT ONE WELL REPORT PER WELL INSTALLED)

CURRENT

Notice of Intent No.

EE03999

Construction/Decommission

**P12171-6712**

Type of Well

483148

Construction

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

Geotechnical Soil Boring

Property Owner **EDWARD A FISCHER**

Site Address **202 E MILL PLAIN BLVD**

Consulting Firm **EVERGREEN ENVIRONMENTAL**

City **VANCOUVER** County **CLARK**

Geotechnical Soil Boring

Location 1/4 NW 1/4 NW Sec 27 Twp 2N R 1E or \_\_\_\_\_  
EWM  
WWM

Hole # 3

WELL CONSTRUCTION CERTIFICATION: I constructed and/or accept responsibility for construction of this well, and its compliance with all Washington well construction standards

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

Materials used and the information reported above are true to my best knowledge and belief

Tax Parcel No. **040170000**

Driller  Trainee Name (Print) **MARC CHALONA**

Driller/Trainee Signature *Marc Chalona*

Cased or Uncased Diameter **2.25"** Static Level N/A

Driller/Trainee License No. **3000**

Work/Decommission Start Date **5/21/2012**

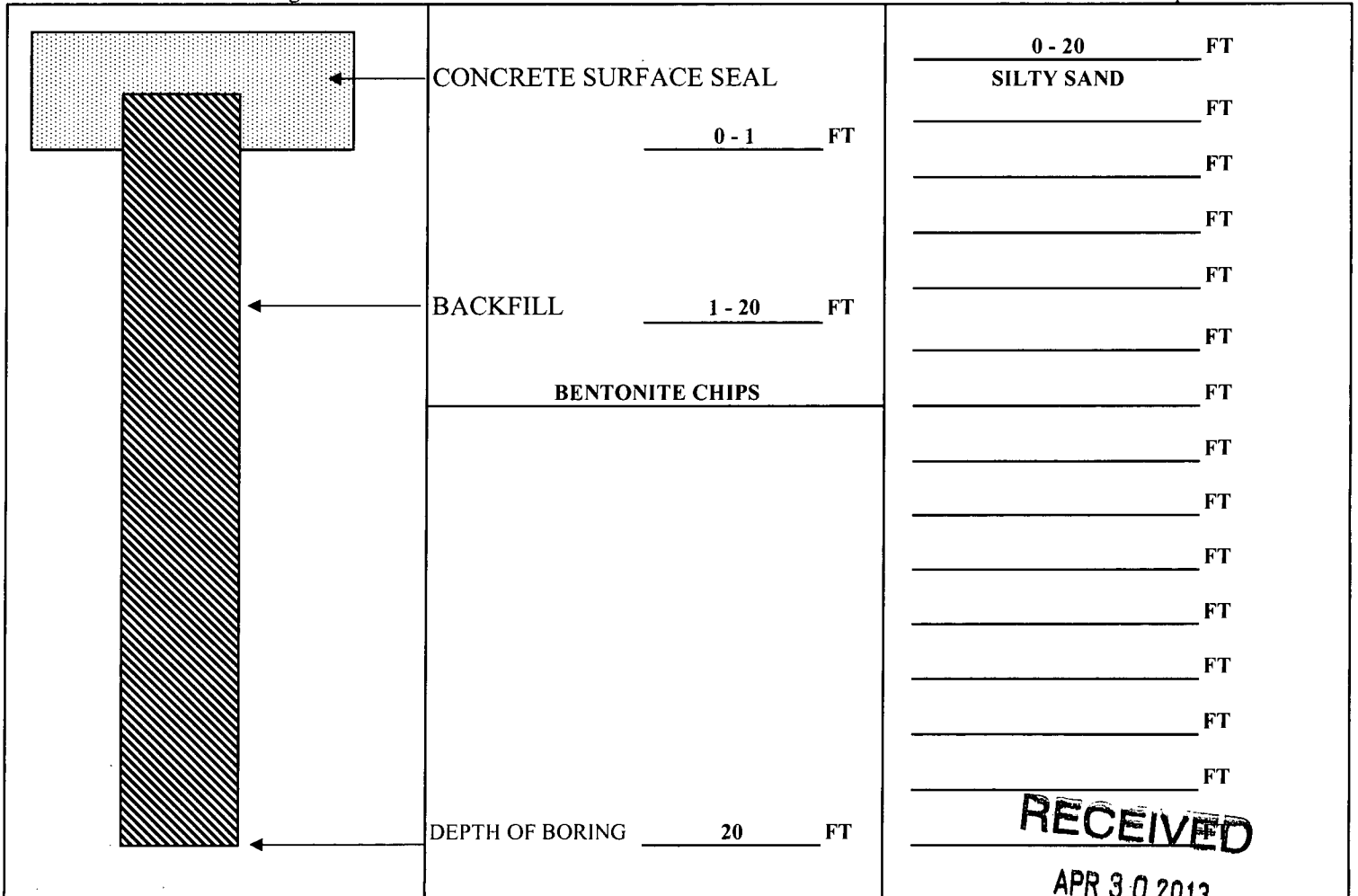
If trainee, licensed driller's \_\_\_\_\_

Work/Decommission Completed Date **5/21/2012**

Signature and License No. \_\_\_\_\_

Construction/Design

Formation Description



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# GEOTECHNICAL BORING REPORT

(SUBMIT ONE WELL REPORT PER WELL INSTALLED)

**CURRENT**

Notice of Intent No. \_\_\_\_\_

EE03999

Construction/Decommission

**P12171-6712**

Type of Well

483147

Construction

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

Geotechnical Soil Boring

Property Owner **EDWARD A FISCHER**

Site Address **202 E MILL PLAIN BLVD**

Consulting Firm **EVERGREEN ENVIRONMENTAL**

City **VANCOUVER** County **CLARK**

Geotechnical Soil Boring

Location 1/4 NW 1/4 NW Sec 27 Twp. 2N R 1E or \_\_\_\_\_  
EWM  
WWM

Hole # 2

WELL CONSTRUCTION CERTIFICATION: I constructed and/or accept responsibility for construction of this well, and its compliance with all Washington well construction standards

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

Materials used and the information reported above are true to my best knowledge and belief

Tax Parcel No. 040170000

Driller  Trainee Name (Print) **MARC CHALONA**

Driller/Trainee Signature *Marc Chalona*

Cased or Uncased Diameter 2.25" Static Level N/A

Driller/Trainee License No. 3000

Work/Decommission Start Date 5/21/2012

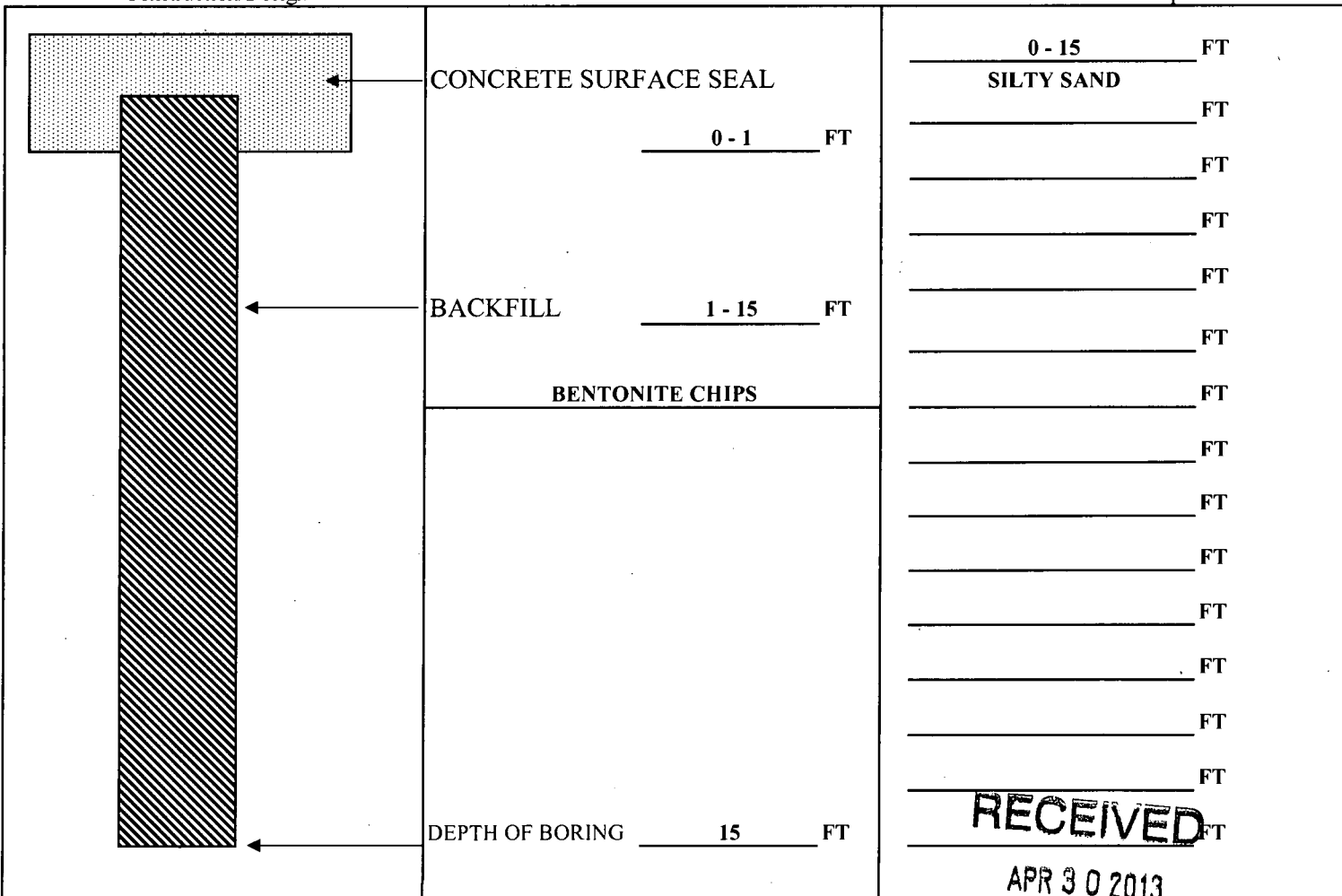
If trainee, licensed driller's \_\_\_\_\_

Work/Decommission Completed Date 5/21/2012

Signature and License No. \_\_\_\_\_

Construction/Design

Formation Description



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Page 1 of 1







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Please print, sign and return to the Department of Ecology

**RESOURCE PROTECTION WELL REPORT**

**CURRENT Notice of Intent No. RE08913**

(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

495107

ORIGINAL INSTALLATION Notice of Intent Number:

Property Owner GARQUOILLADE, LLC

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

Site Address 1700 BROADWAY ST

Unique Ecology Well IDTag No. BHR033

City VANCOUVER County CLARK

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.

Location NW1/4-1/4 NW1/4 Sec 27 TwN 2N R 1E

EWM  or WWM

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

- Driller  Engineer  Trainee

Name (Print Last, First Name) JOHNSON, MARCUS

Driller/Engineer /Trainee Signature *Marcus Johnson*

Driller or Trainee License No. 3040

Tax Parcel No. 41090000

Cased or Uncased Diameter 3/4" Static Level 37'

Work/Decommission Start Date 8/27/2013

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

Work/Decommission Completed Date 8/27/2013

Construction Design	MW-1	Well Data	Formation Description
		WELL DRILLED FROM 0'-43' USING 3.5" DIRECT PUSH METHOD.	ASPHALT 0"-5"
		FLUSH MONUMENT	GRAVEL 5"-8"
		SEAL: 0'-31' USING 10 GAL OF BENTONITE GROUT	SILTY SAND 8"-7'
		3/4" RISER: 0'-33'	FINE SAND 7'-14'
		FILTER PACK: 31'-43'	GRAVEL 14'-14.3'
		3/4" PVC PRE-PACK: 33'-43'	COARSE SANDS 14.3'-37'
		STATIC WATER: 37'	FINE SANDS 37'-43'

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OCT 22 2013

WA State Department of Ecology (SWRO)

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**RESOURCE PROTECTION WELL REPORT**

**CURRENT Notice of Intent No. RE08913**

(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

495109

ORIGINAL INSTALLATION Notice of Intent Number:

Property Owner GARQUILLADE, LLC

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

Site Address 1700 BROADWAY ST

Unique Ecology Well IDTag No. BHR045

City VANCOUVER County CLARK

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.


Location NW1/4-1/4 NW1/4 Sec 27 TwN 2N R 1E

EWM  or WWM

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

- Driller  Engineer  Trainee

Name (Print Last, First Name) JOHNSON, MARCUS

Driller/Engineer /Trainee Signature 

Driller or Trainee License No. 3040

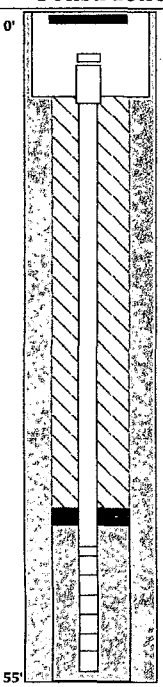
Tax Parcel No. 41090000

Cased or Uncased Diameter 3/4" Static Level 54.3'

Work/Decommission Start Date 8/28/2013

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

Work/Decommission Completed Date 8/28/2013

Construction Design	MW-3	Well Data	Formation Description
	FLUSH MONUMENT 0'-1'	WELL DRILLED FROM 0'-55' USING 3.5" DIRECT PUSH METHOD.	ASPHALT 0' - .6"
	BENTONITE GROUT SEAL: 0'-43'	FLUSH MONUMENT	GRAVELS .6" - 1'
	3/4" PVC RISER: 0'-45'	SEAL: 0'-43' USING 15 GAL OF BENTONITE GROUT	SILTY SANDS 1'-7'
	STATIC WATER: 54.3'	3/4" RISER: 0'-45'	FINE SANDS 7'-14'
	10x20 SILICA SAND FILTER: 43'-55'	FILTER PACK: 43'-55'	GRAVELS 14'-18'
	3/4" 0.01 SLOT PVC P.P. SCREEN 45'-55'	3/4" PVC PRE-PACK: 45'-55'	FINE TO COARSE SANDS 18'-40'
			FINE SANDS 40'-50'
		FINE TAN SANDS 50'-55'	

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0 50 100

Approximate Scale in Feet

**Legend:**

⊕ Proposed Monitoring Well Location

**Site Plan**

Mackay Property  
1700 Broadway  
Vancouver, Washington

NOTE: Base map prepared from 2012 - Google Imagery.  
Aerial dated August 15, 2012.

**APEX** Apex Companies, LLC  
3015 SW First Avenue  
Portland, Oregon 97201

Project Number	--
May 2013	

Figure	1
--------	---



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**RESOURCE PROTECTION WELL REPORT**

**CURRENT Notice of Intent No. RE08913**

(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

495108

ORIGINAL INSTALLATION Notice of Intent Number:

Property Owner GARQUILLADE, LLC

Site Address 1700 BROADWAY ST

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

City VANCOUVER County CLARK

Unique Ecology Well IDTag No. BHR044

Location NW1/4-1/4 NW1/4 Sec 27 Twn 2N R 1E

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.

EWM  or WWM

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

Driller  Engineer  Trainee

Name (Print Last, First Name) JOHNSON, MARCUS

Driller/Engineer /Trainee Signature Marcus Johnson

Driller or Trainee License No. 3040

Tax Parcel No. 41090000

Cased or Uncased Diameter 3/4" Static Level 37'

Work/Decommission Start Date 8/27/2013

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

Work/Decommission Completed Date 8/27/2013

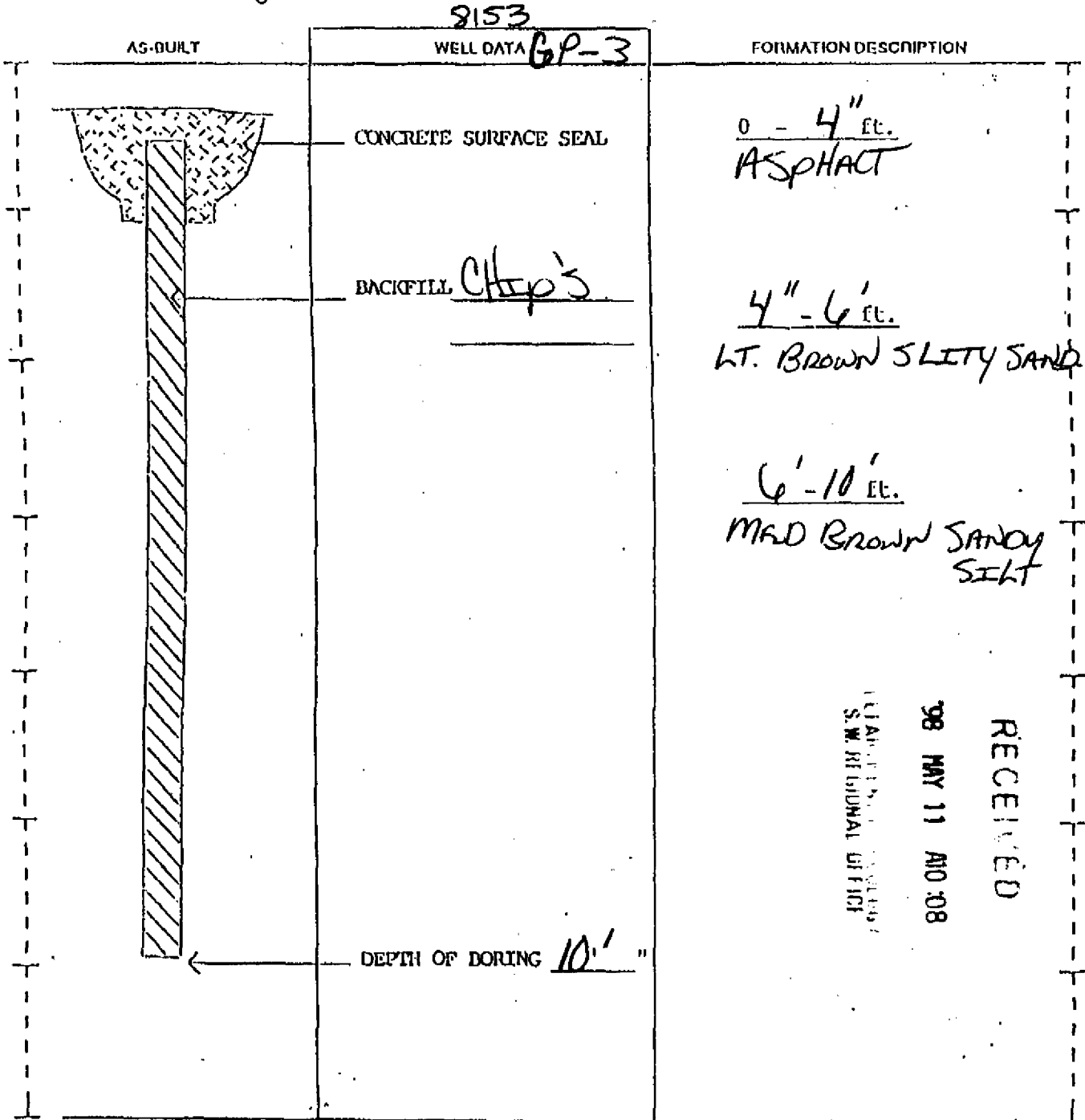
Construction Design	MW-2	Well Data	Formation Description
	FLUSH MONUMENT 0'-1'	WELL DRILLED FROM 0'-40' USING 3.5" DIRECT PUSH METHOD.	ASPHALT 0"-.5"
		FLUSH MONUMENT	GRAVEL .5"-8"
	BENTONITE GROUT SEAL: 0'-28'	SEAL: 0'-28' USING 5 GAL OF BENTONITE GROUT	SILTY SAND 8"-7'
	3/4" PVC RISER: 0'-30'	3/4" RISER: 0'-30'	FINE SAND 7'-14'
		FILTER PACK: 28'-40'	GRAVEL 14'-14.3'
	STATIC WATER: 37'	3/4" PVC PRE-PACK: 30'-40'	COARSE SANDS 14.3'-37'
	10x20 SILICA SAND FILTER: 28'-40'		FINE SANDS 37'-40'

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START CARD NO. A31148

PROJECT NAME: Great Western Mathubg  
 WELL IDENTIFICATION NO. n/a  
 DRILLING METHOD: Probe/Soil Sample  
 DRILLER: Rodney LaBrosse  
 FIRM: Cascade Drilling, Inc.  
 SIGNATURE: \_\_\_\_\_  
 CONSULTING FIRM: Samfelder Inc./ORE  
 REPRESENTATIVE: Lon Yandell/C. Roso

COUNTY: CLARK  
 LOCATION: NW 1/4 NW 1/4 Sec 27 Twn 2N R 1E  
 STREET ADDRESS OF WELL: 1701 Industrial Way Vancouver  
 WATER LEVEL ELEVATION: N/A  
 GROUND SURFACE ELEVATION: N/A  
 INSTALLED: 4/9/98  
 DEVELOPED: N/A



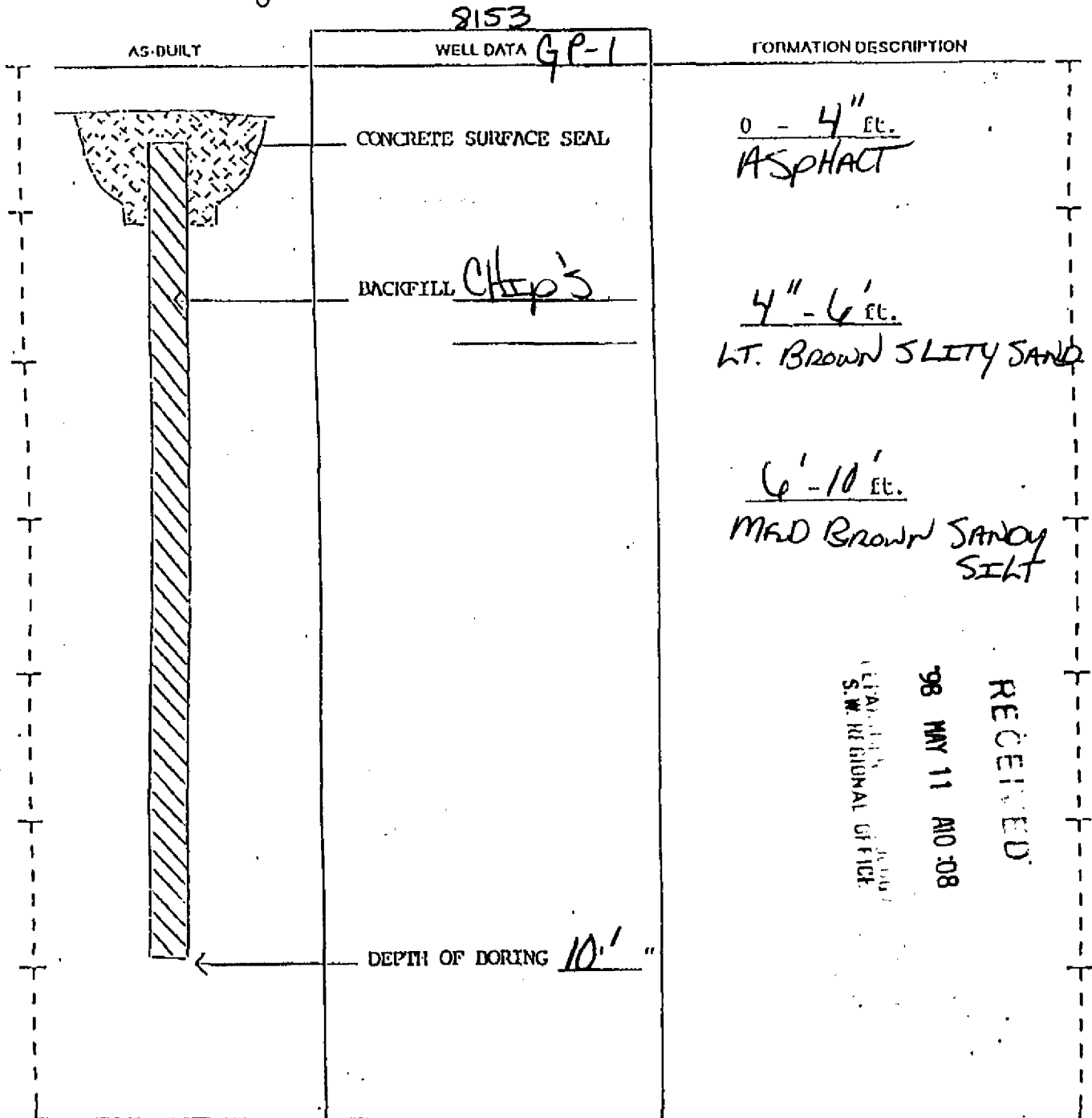
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 98 MAY 11 AM 08  
 CLARK COUNTY HEALTH DEPARTMENT  
 S.W. REGIONAL OFFICE

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STANT CAPD NO. A31148

PROJECT NAME: Great Western Maltting  
 WELL IDENTIFICATION NO. n/a  
 DRILLING METHOD: Probe/Soil Sample  
 DRILLER: Rodney LaBrosse  
 FIRM: Cascade Drilling, Inc.  
 SIGNATURE: \_\_\_\_\_  
 CONSULTING FIRM: Kleinfelder Inc./ORE  
 REPRESENTATIVE: Lon Yandell/C. Roso

COUNTY: CLARK  
 LOCATION: NW 1/4 NW 1/4 Sec 27 Twn 2N R 1E  
 STREET ADDRESS OF WELL: 1701 Industrial Way, Vancouver  
 WATER LEVEL ELEVATION: N/A  
 GROUND SURFACE ELEVATION: N/A  
 INSTALLED: 4/9/98  
 DEVELOPED: N/A



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PAGE 1 OF 3

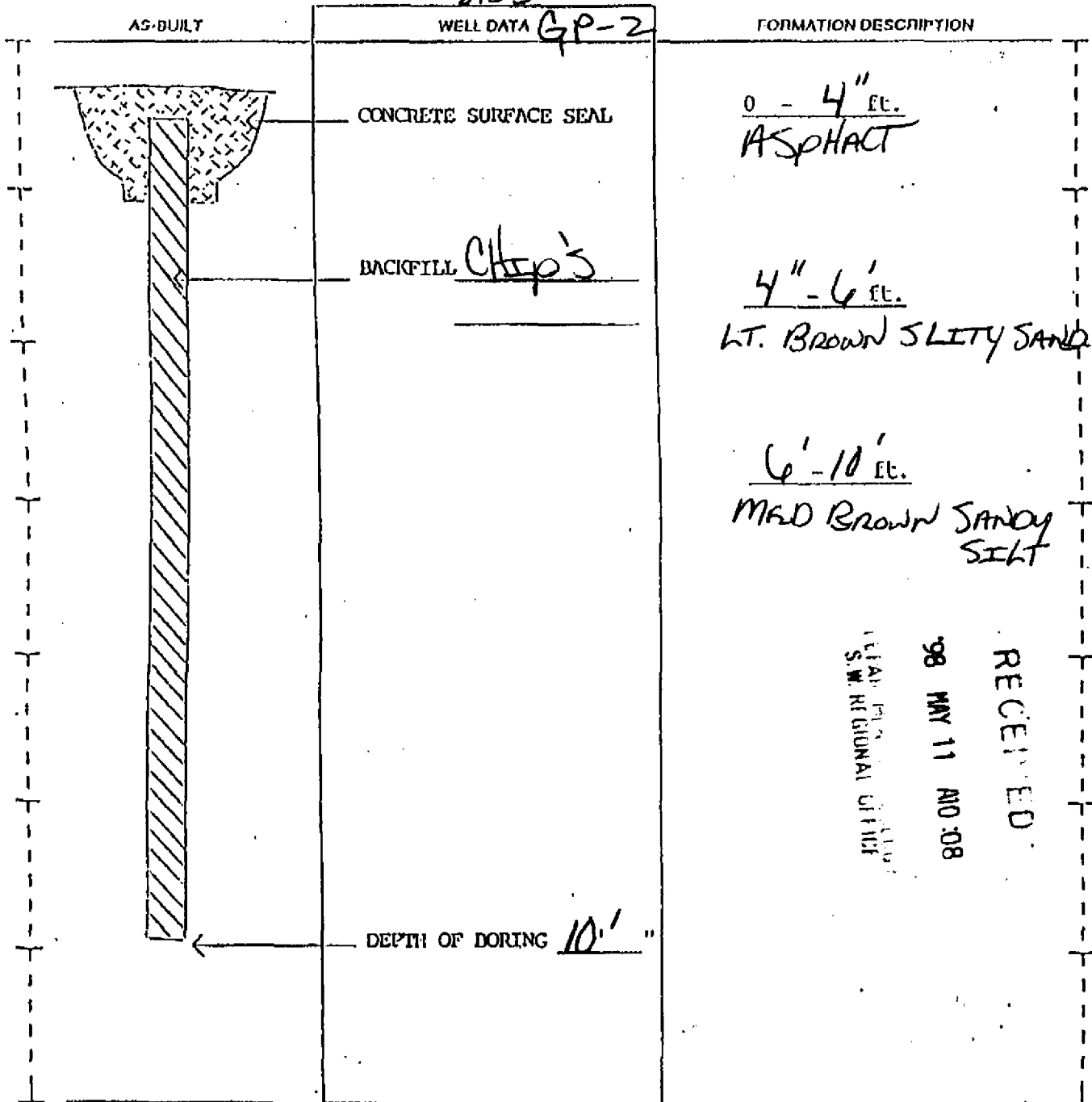
The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

START CARD NO. A31148

PROJECT NAME: Great Western Mattung  
 WELL IDENTIFICATION NO. n/a  
 DRILLING METHOD: Probe/Soil Sample  
 DRILLER: Rodney LaBrosse  
 FIRM: Cascade Drilling, Inc.  
 SIGNATURE: \_\_\_\_\_  
 CONSULTING FIRM: Greenfelder Inc./ORE  
 REPRESENTATIVE: Lon Yandell/C. Roso

COUNTY: CLARK  
 LOCATION: NW 1/4 NW 1/4 Sec 27 Twn 2N R 1E  
 STREET ADDRESS OF WELL: 1701 Industrial Way, Vancouver  
 WATER LEVEL ELEVATION: N/A  
 GROUND SURFACE ELEVATION: N/A  
 INSTALLED: 4/9/98  
 DEVELOPED: N/A

8153



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PAGE 2 OF 3

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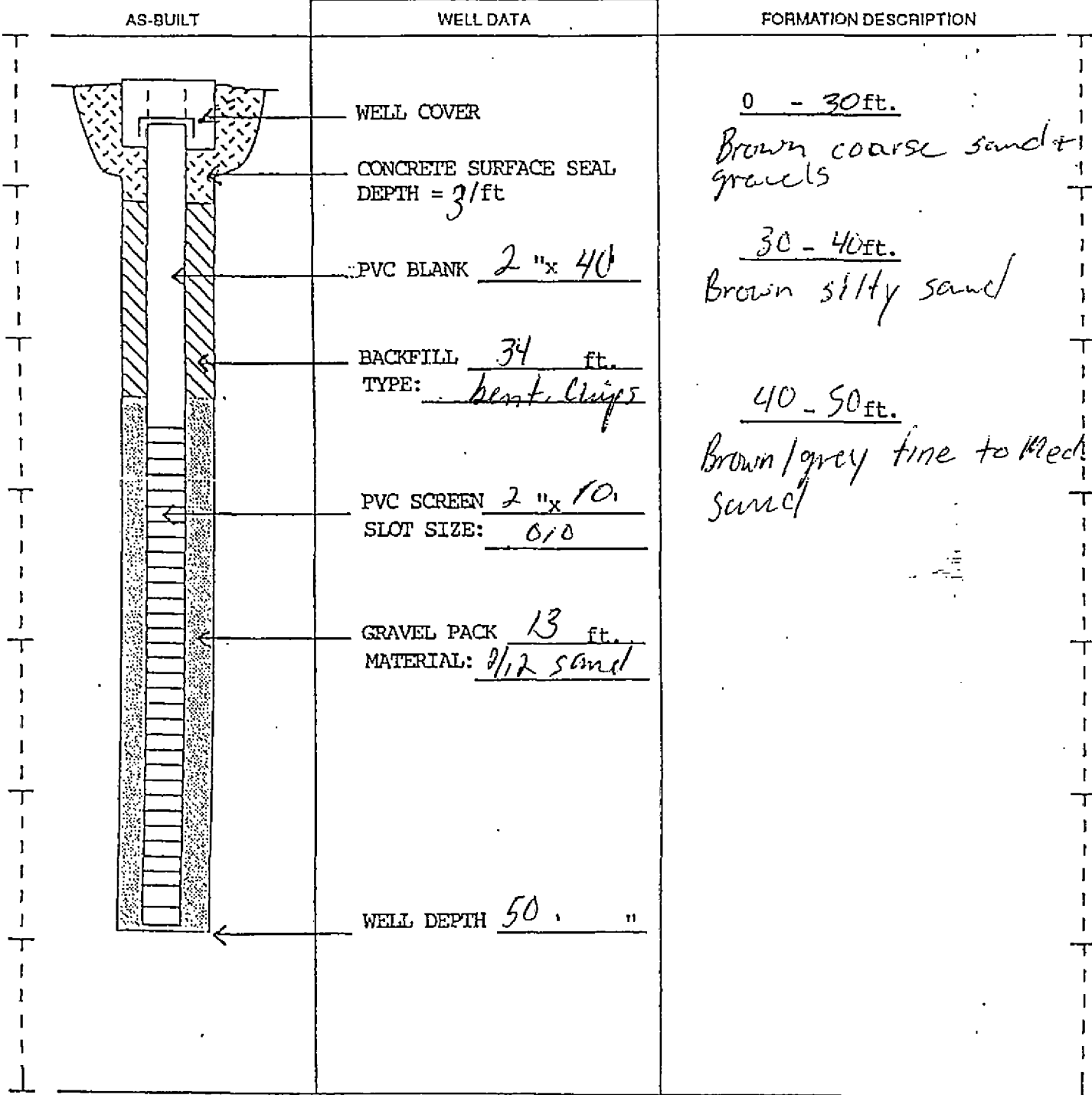
# RESOURCE PROTECTION WELL REPORT

START CARD NO. R43714

PROJECT NAME: Inman Oil Co.  
 WELL IDENTIFICATION NO. AFF 959  
 DRILLING METHOD: HSA  
 DRILLER: Brian G. Gose  
 FIRM: Cascade Drilling, Inc.  
 SIGNATURE: [Signature]  
 CONSULTING FIRM: Parametrix, Inc.  
 REPRESENTATIVE: Ann Ackerman

COUNTY: Clark  
 LOCATION: NW 1/4 NW 1/4 Sec 27 Twn 2N R 1E  
 STREET ADDRESS OF WELL: 1300 W. 12th St Vancouver  
 WATER LEVEL ELEVATION: 44'  
 GROUND SURFACE ELEVATION: N/A  
 INSTALLED: 9/20/99  
 DEVELOPED: Yes

9515



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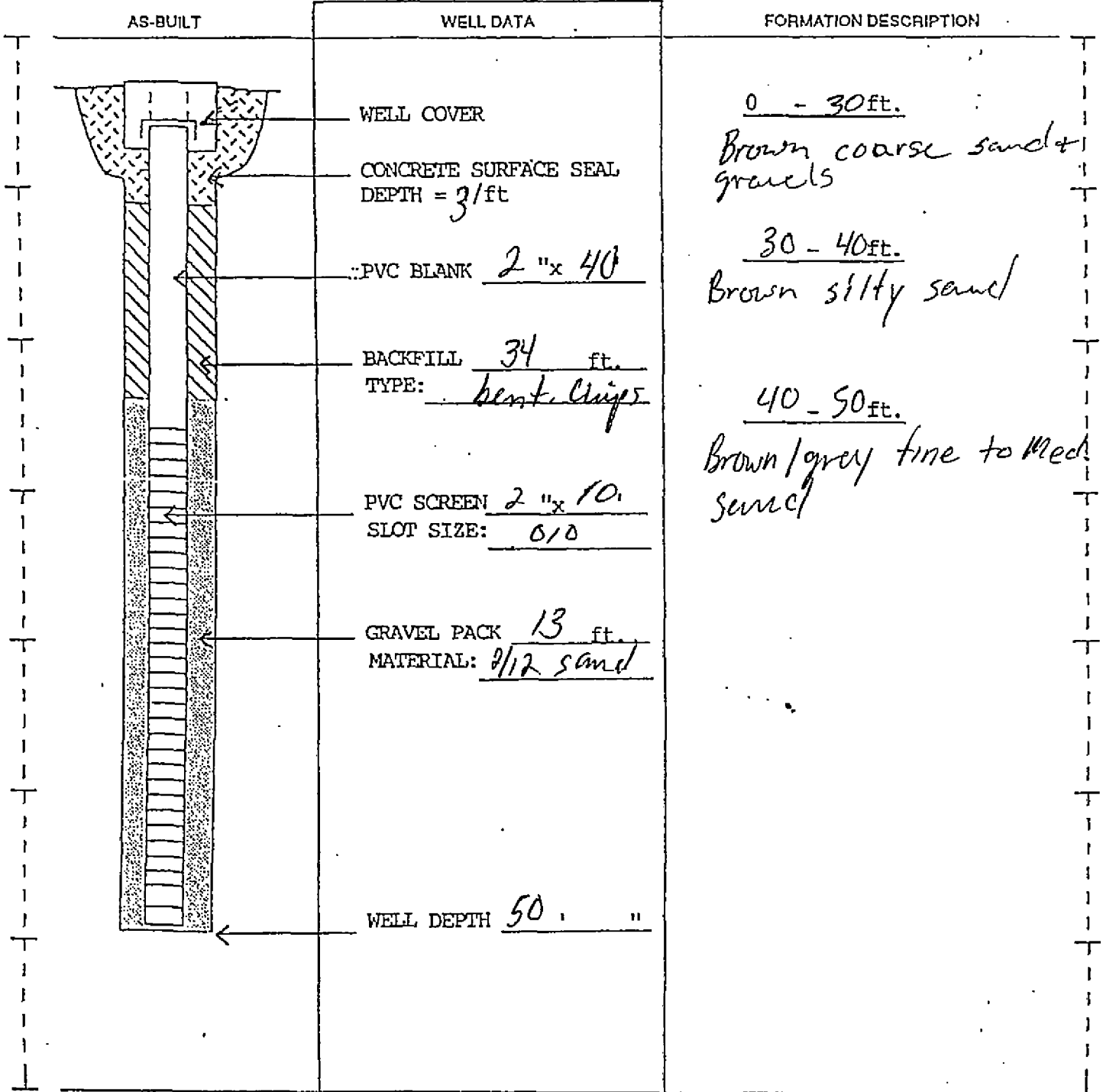
# RESOURCE PROTECTION WELL REPORT

START CARD NO. R43714

PROJECT NAME: Inman Oil Co.  
 WELL IDENTIFICATION NO. AFF 860  
 DRILLING METHOD: HSA  
 DRILLER: Brian G. Gose  
 FIRM: Cascade Drilling, Inc.  
 SIGNATURE: [Signature]  
 CONSULTING FIRM: Parametrix, Inc.  
 REPRESENTATIVE: Ann Ackerman

COUNTY: Clark  
 LOCATION: NW 1/4 NW 1/4 Sec 27 Twn 2N R 1E  
 STREET ADDRESS OF WELL: 1300 W. 12th St Vancouver  
 WATER LEVEL ELEVATION: 44'  
 GROUND SURFACE ELEVATION: N/A  
 INSTALLED: 9/20/99  
 DEVELOPED: Yes

9515



SCALE: 1" = \_\_\_\_\_

PAGE \_\_\_\_\_ OF \_\_\_\_\_

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# RESOURCE PROTECTION WELL REPORT

START CARD NO. R43714

PROJECT NAME: Inman Oil Co.  
 WELL IDENTIFICATION NO. AFF 861  
 DRILLING METHOD: HSA  
 DRILLER: Brian G. Gose  
 FIRM: Cascade Drilling, Inc.  
 SIGNATURE: Brian  
 CONSULTING FIRM: Parametrix, Inc.  
 REPRESENTATIVE: Ann Ackerman

COUNTY: Clark  
 LOCATION: NW 1/4 NW 1/4 Sec 27 Twn 2N R 1E  
 STREET ADDRESS OF WELL: 1300 W. 12th St Vancouver  
 WATER LEVEL ELEVATION: 98'  
 GROUND SURFACE ELEVATION: N/A  
 INSTALLED: 9/21/99  
 DEVELOPED: Yes

9515

AS-BUILT	WELL DATA	FORMATION DESCRIPTION
	WELL COVER	
	CONCRETE SURFACE SEAL DEPTH = <u>4</u> ft	<u>0 - 55 ft.</u> Brown coarse sand + gravel
	PVC BLANK <u>2" x 55'</u>	<u>55 - 65 ft.</u> Fine to med brown sand
	BACKFILL <u>48'</u> ft. TYPE: <u>bent. Chips</u>	<u>-</u> ft.
	PVC SCREEN <u>2" x 10'</u> SLOT SIZE: <u>.010</u>	
	GRAVEL PACK <u>13</u> ft. MATERIAL: <u>2/12 sand</u>	
	WELL DEPTH <u>65'</u> "	

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The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.  
The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

291403  
SEP-10-1999 16:32

CASCADE DRILLING

425 480 4500 P. 01/01

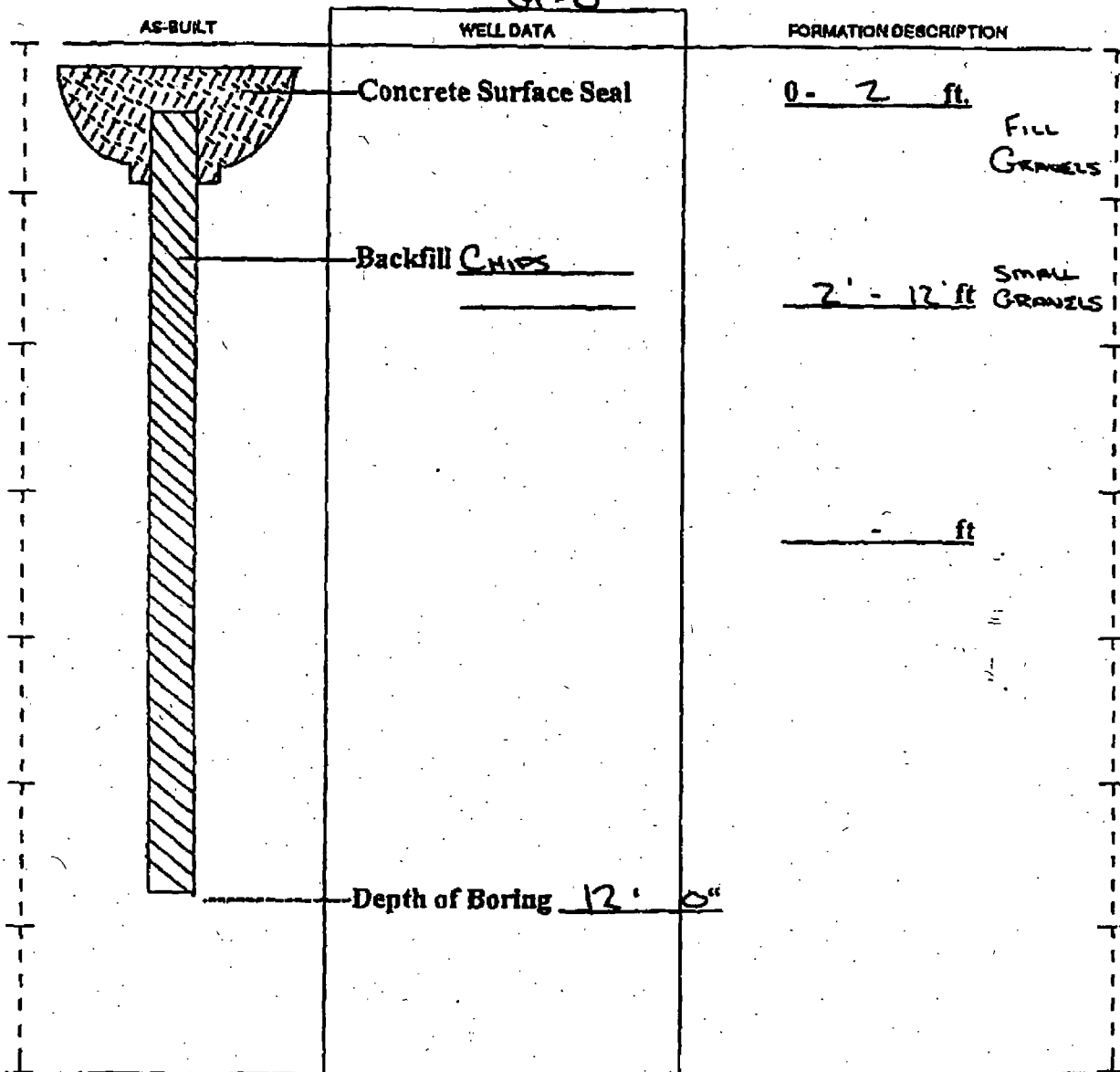
### SOIL BORING REPORT

Notification # 505461

Project Name: Inner Oil Co  
Drilling Method: Probe / Soil  
Driller: Michael Colbert  
Firm: Cascade Drilling, Inc.  
Signature: Michael Colbert  
Consulting Firm: Parametrix  
Representative: Ann Ackerman

County: Clark  
Location: NW 1/4 NW 1/4 Sec 27 Twp 24 N R 12 E  
Street Address of Boring: 1300 W. 12th St Vancouver  
Water Level Elevation: N/A  
Ground Surface Elevation: N/A  
Date of Drilling: 9-9-99

Invoice # 9493  
GP-0



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EOY 050-12 (Rev. 11/89)

TOTAL P. 01



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The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

291404  
SEP-10-1999 16:32

CASCADE DRILLING

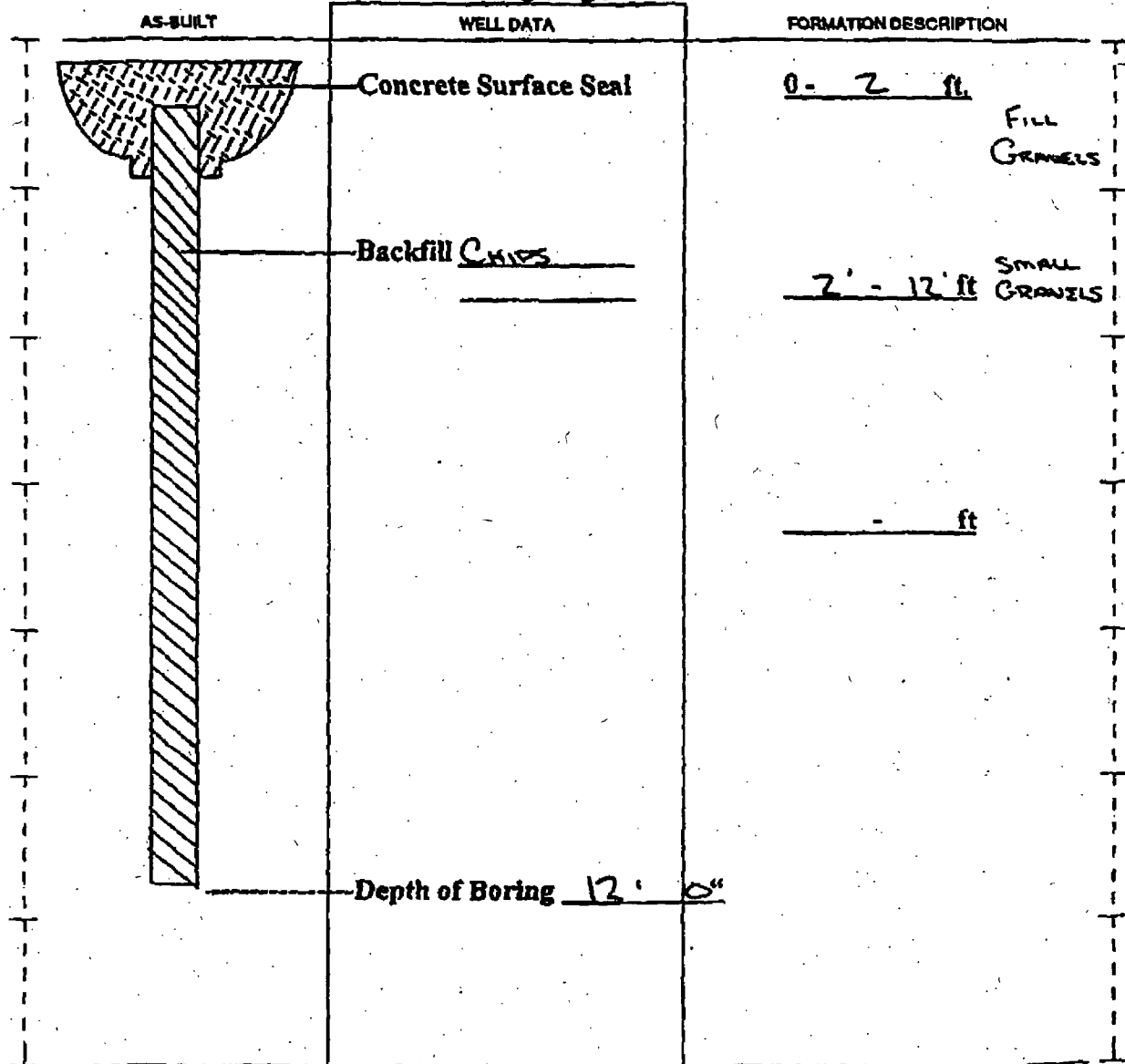
425 480 4300 P.01/01

### SOIL BORING REPORT

Notification # 505461

Project Name: Inner Oil Co County: Clark  
Drilling Method: Probe / Soil Location: N1/4 N2/4 Sec 27 Twp 2N R 1E  
Driller: Michael Colbert Street Address of Boring: 1300 W. 12th St Vancouver  
Firm: Cascade Drilling, Inc. Water Level Elevation: N/A  
Signature: Michael Colbert Ground Surface Elevation: N/A  
Consulting Firm: Parametrix Date of Drilling: 9-9-99  
Representative: Ann Ackerman

Invoice # 9493  
GP-B



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ECY 050-12 (Rev. 11/89)

TOTAL P.01

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291405  
SEP-10-1999 16:32

CASCADE DRILLING

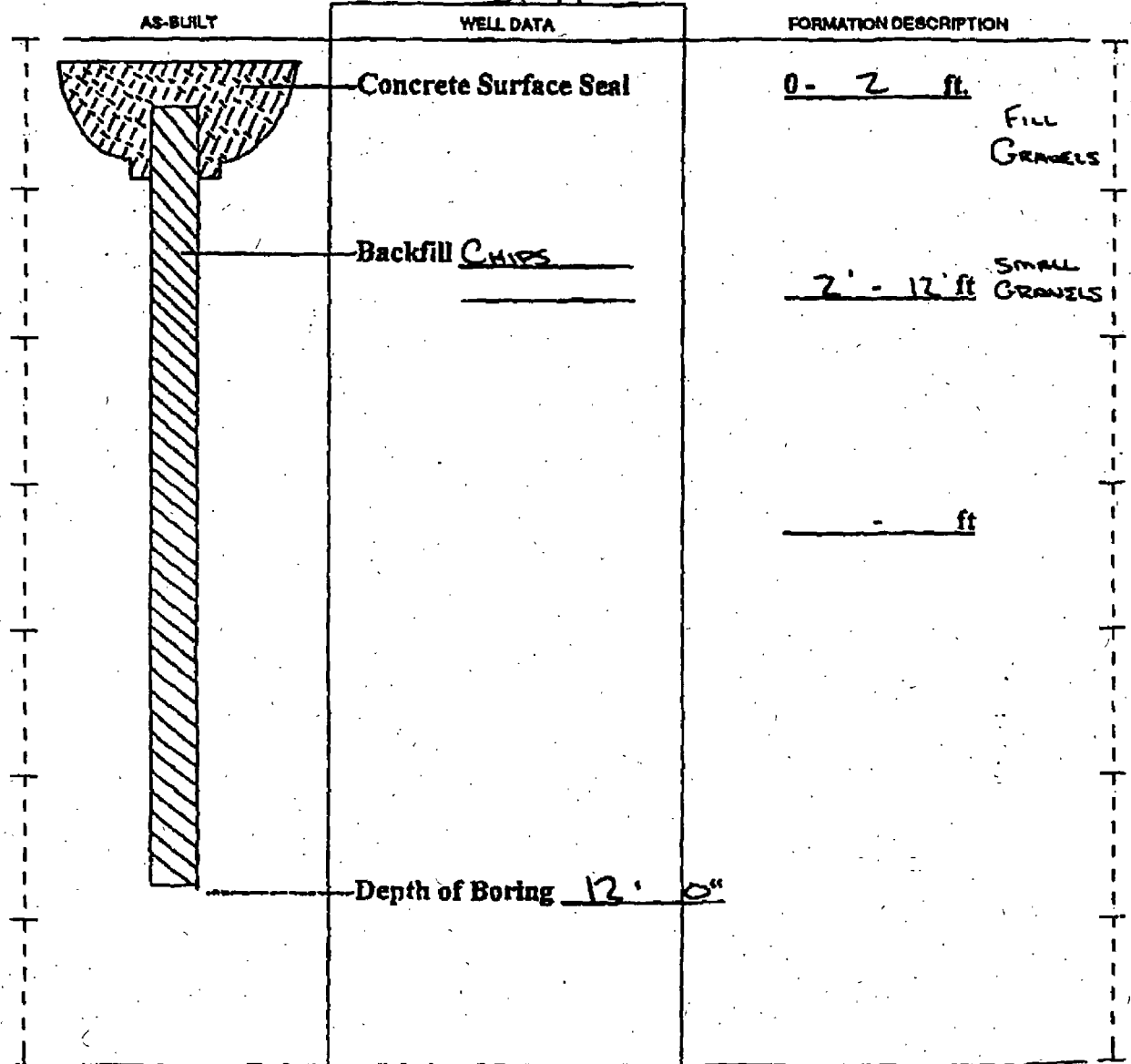
425 480 4308 P.01-01

### SOIL BORING REPORT

Notification # SO 5461

**Project Name:** Inner OJ Co      **County:** Clark  
**Drilling Method:** Probe / Soil      **Location:** N1/4 N1/4 Sec 27 Twp 2 N R 1 E  
**Driller:** Michael Colbert      **Street Address of Boring:**  
1300 W. 12th St. Vancouver  
**Firm:** Cascade Drilling, Inc.      **Water Level Elevation:** N/A  
**Signature:** Michael Colbert      **Ground Surface Elevation:** N/A  
**Consulting Firm:** Parametrix      **Date of Drilling:** 9-9-99.  
**Representative:** Ann Ackerman

Invoice # 9493  
GP-14



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PAGE \_\_\_\_\_ OF \_\_\_\_\_

EOY 050-12 (Rev. 11/89)

TOTAL P.01

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.  
The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

291407

SEP-18-1999 16:32

CASCADE DRILLING

425 485 4368 P.01/01

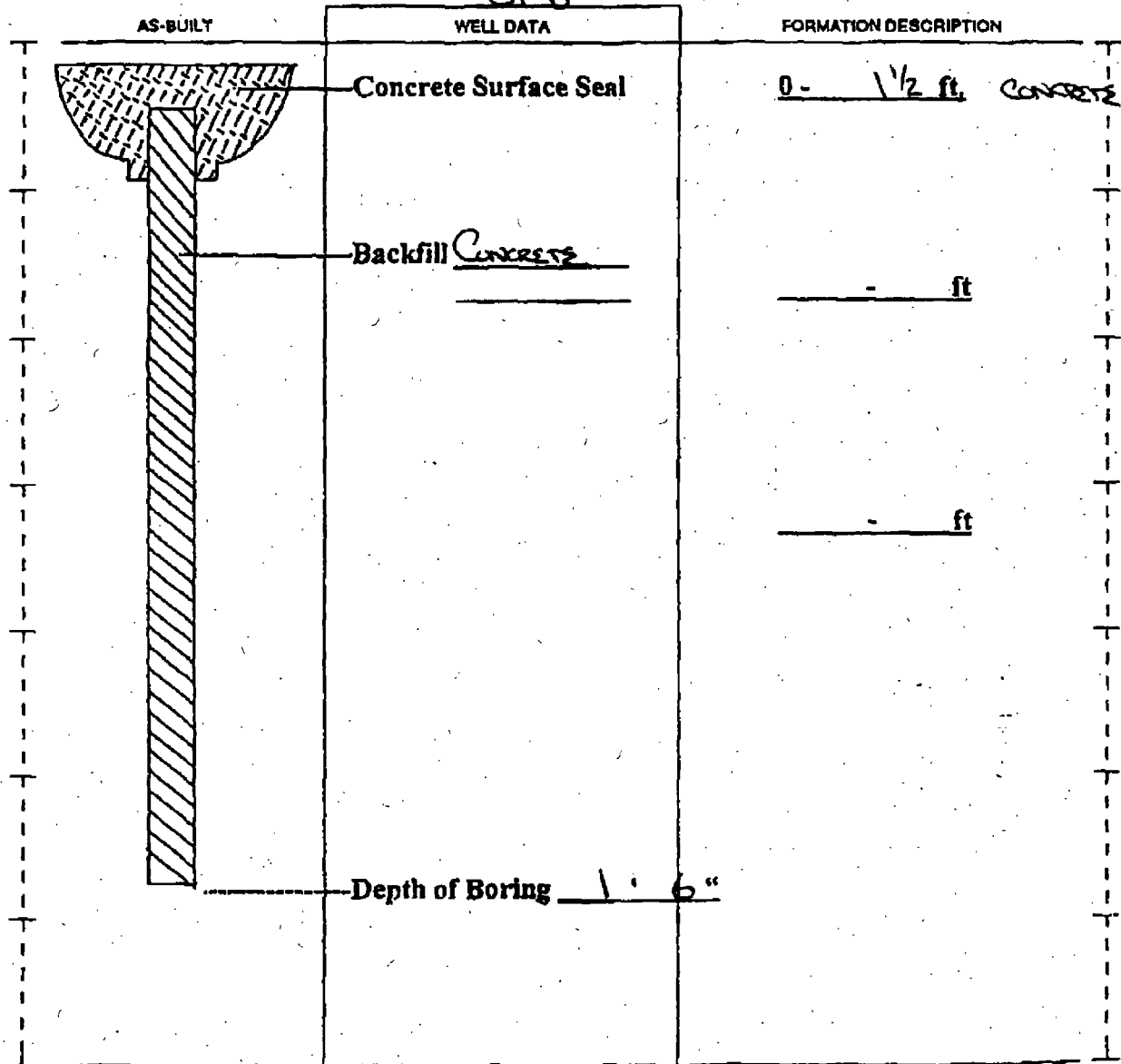
**SOIL BORING REPORT**

Notification # 505461

Project Name: Inner OJ Co.  
Drilling Method: Probe / Saw  
Driller: Michael Colbert  
Firm: Cascade Drilling, Inc.  
Signature: [Signature]  
Consulting Firm: Parametrix  
Representative: Ann Ackerman

County: Clark  
Location: N/4 N/4 Sec 27 Twp 2 N R 1 E  
Street Address of Boring: 1300 W. 12th St Vancouver  
Water Level Elevation: N/A  
Ground Surface Elevation: N/A  
Date of Drilling: 9999

Invoice # 9493  
GP-B



SCALE: 1" =

PAGE OF

ECY 050-12 (Rev. 11/89)

TOTAL P.01

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.  
The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

291408  
SEP-10-1999 16:32 CASCADE DRILLING 425 485 4368 P.01/01

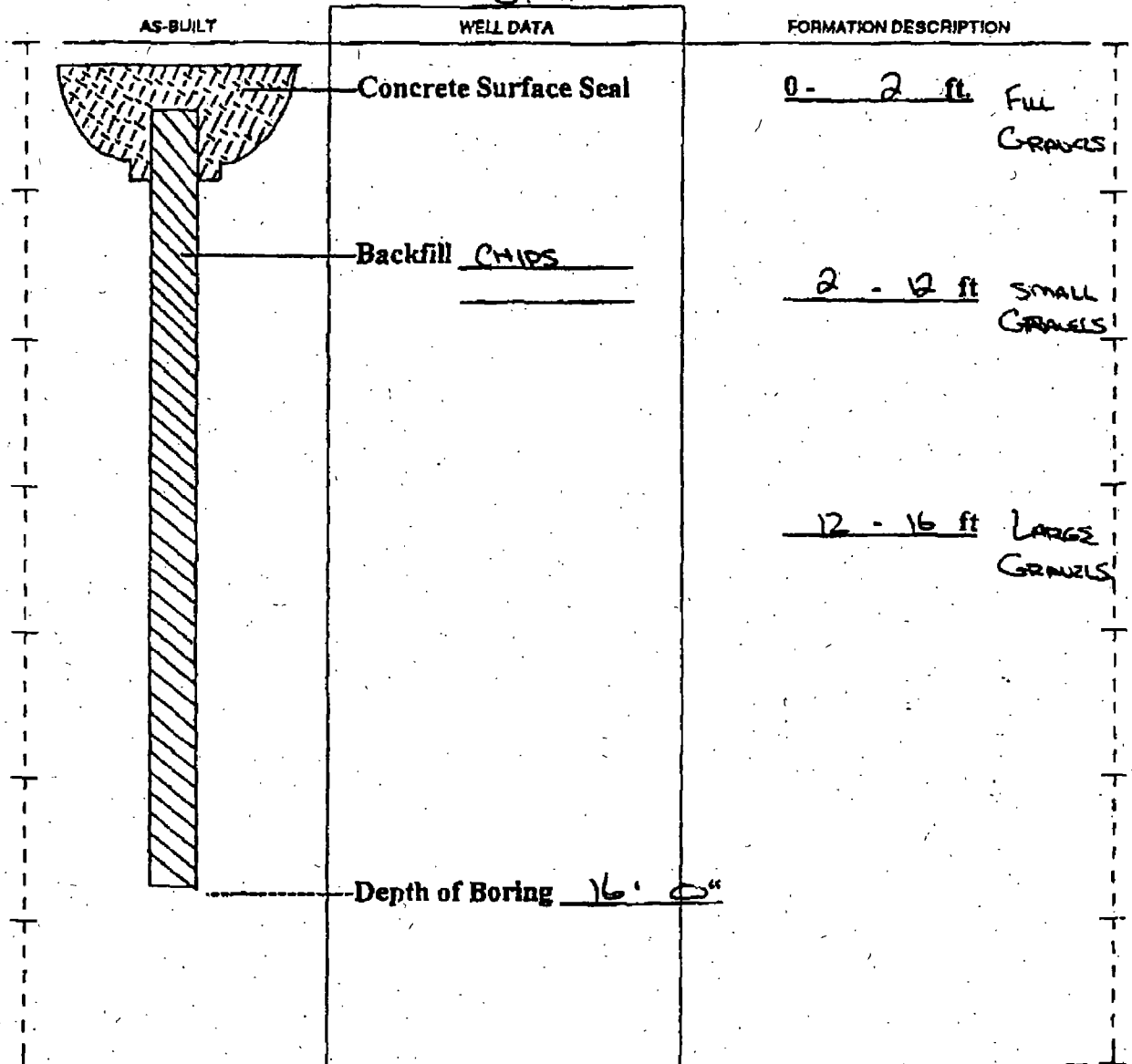
**SOIL BORING REPORT**

Notification # 505461

Project Name: Inmar O.I. Co  
Drilling Method: Probe / SW  
Driller: Michael Collett  
Firm: Cascade Drilling, Inc.  
Signature: [Signature]  
Consulting Firm: Parametrix  
Representative: Ann Aekerman

County: Clark  
Location: W14 N14 Sec27 Twp2N R1E  
Street Address of Boring: 1300 W. 125th St Vancouver  
Water Level Elevation: N/A  
Ground Surface Elevation: N/A  
Date of Drilling: 9-9-99

Invoice # 9493  
GP-11



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

ECY 050-12 (Rev. 11/89)

TOTAL P.01

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.  
The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

291410  
SEP-10-1999 16:32

CASCADE DRILLING

425 485 4368 P.01/01

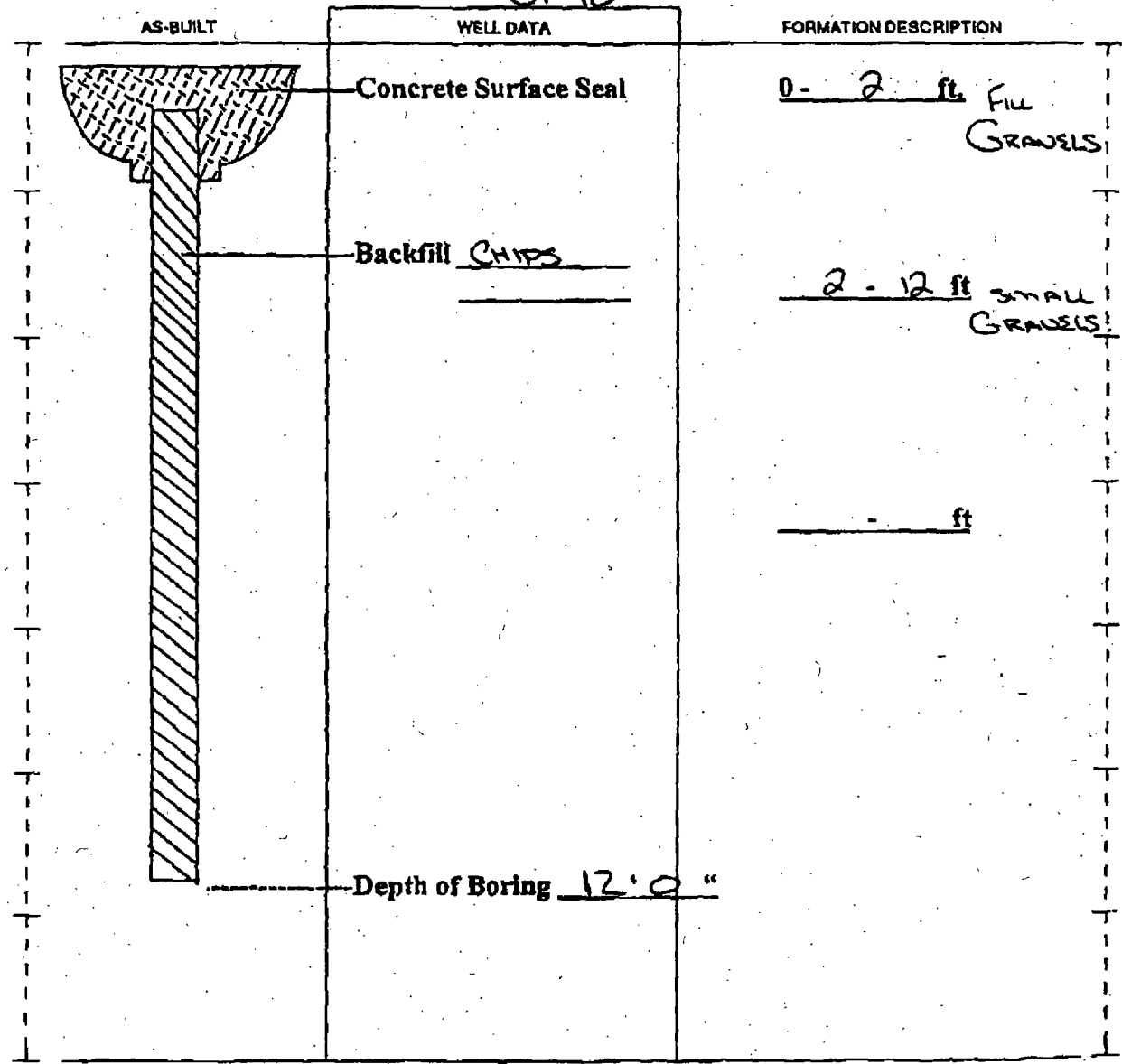
SOIL BORING REPORT

Notification # 505461

Project Name: Inner OJ Co  
Drilling Method: Probe / Soil  
Driller: Michael Colbert  
Firm: Cascade Drilling, Inc.  
Signature: [Signature]  
Consulting Firm: Parametrix  
Representative: Ann Ackerman

County: Clark  
Location: W14 N014 Sec27 Twn2N R1E  
Street Address of Boring: 1300 W. 12th St. Vancouver  
Water Level Elevation: N/A  
Ground Surface Elevation: N/A  
Date of Drilling: 9-10-99

Invoice # 9493  
GP-1B



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ECY 050-12 (Rev. 11/89)

TOTAL P.01

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.  
The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

291412  
SEP-18-1999 16:32

CASCADE DRILLING

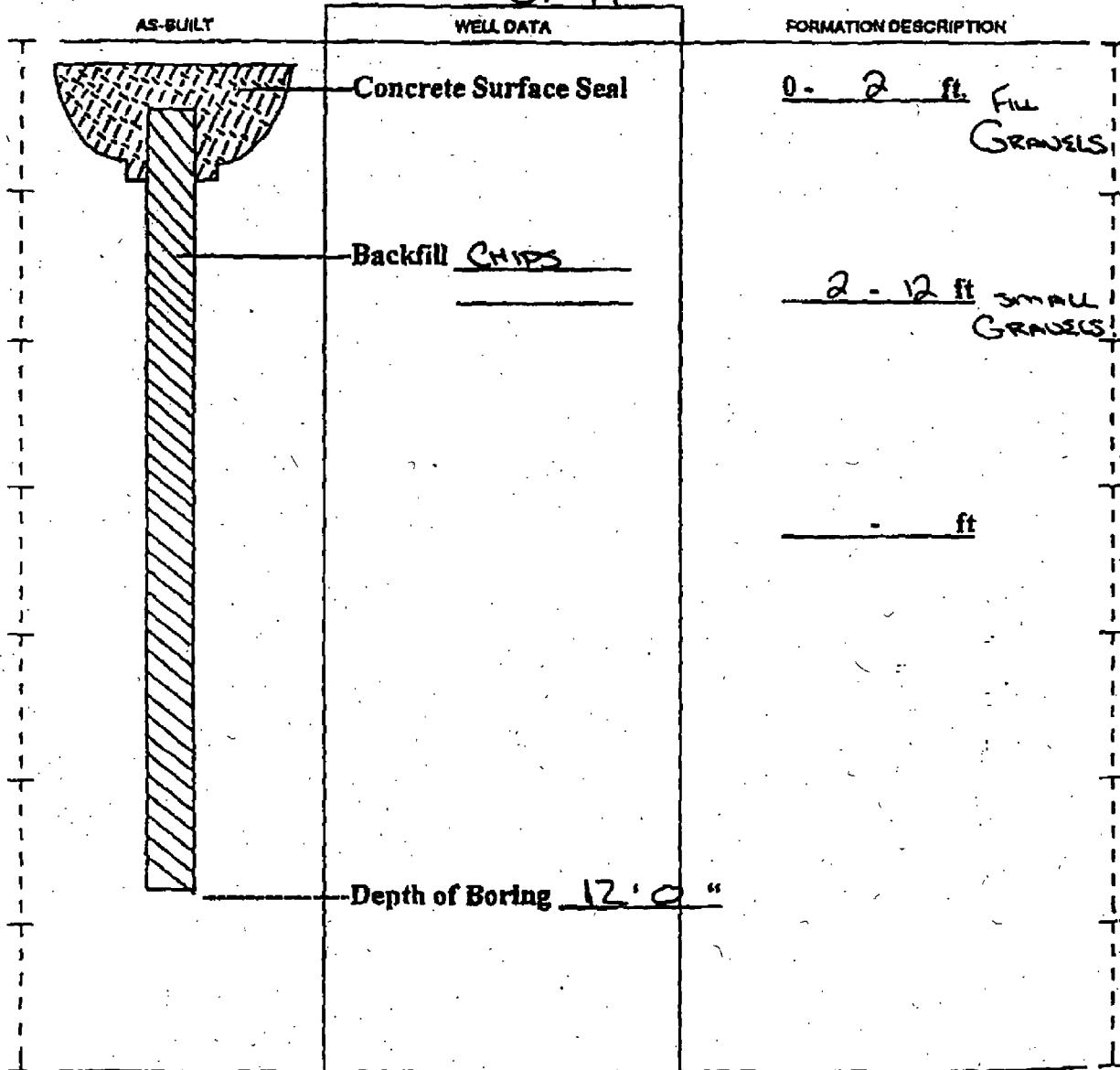
425 485 4368 P.01/01

**SOIL BORING REPORT**

Notification # 505461

Project Name: Inner O.J. Co County: Clark  
Drilling Method: Probe / Soil Location: N/14 N/14 Sec 27 Twp 2 N R 1 E  
Driller: Michael Colbert Street Address of Boring: 1300 W. 12th St Vancouver  
Firm: Cascade Drilling, Inc. Water Level Elevation: N/A  
Signature: [Signature] Ground Surface Elevation: N/A  
Consulting Firm: Parametrix Date of Drilling: 9-10-99  
Representative: Ann Ackerman

Invoice # 9493  
GP-19



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

ECY 050-12 (Rev. 11/89)

TOTAL P.01

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.  
The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

291413  
SEP-10-1999 16:32

CASCADE DRILLING

425 485 4368 P. 01/01

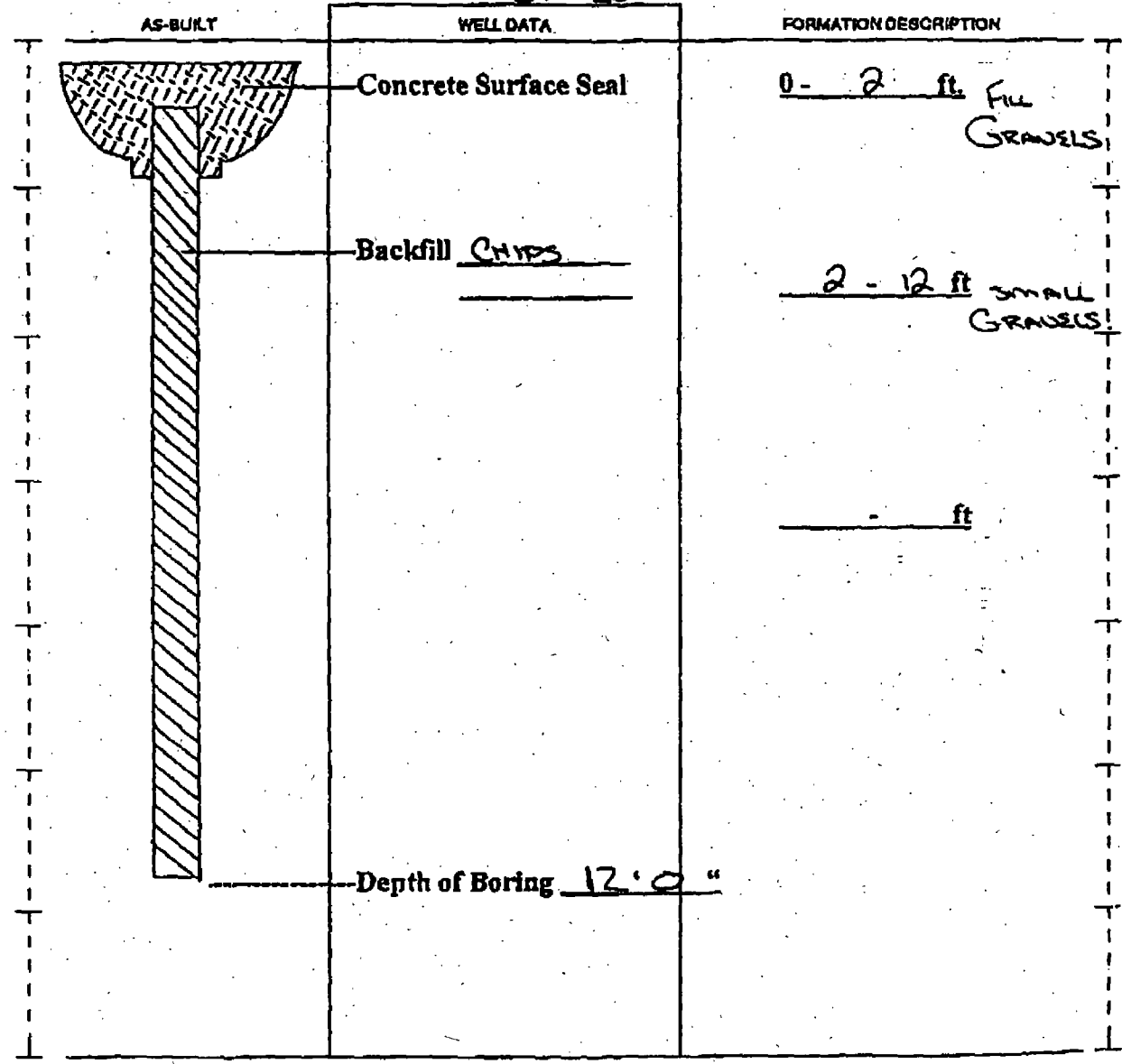
### SOIL BORING REPORT

Notification # 505461

Project Name: Inner OJ Co  
Drilling Method: Probe / Soil  
Driller: Michael Colbert  
Firm: Cascade Drilling, Inc.  
Signature: Michael Colbert  
Consulting Firm: Parametrix  
Representative: Ann Ackerman

County: Clark  
Location: N1/4 N1/4 Sec 27 T20N R 1E  
Street Address of Boring: 1300 W. 125th St Vancouver  
Water Level Elevation: N/A  
Ground Surface Elevation: N/A  
Date of Drilling: 9-10-99

Invoice # 9493  
GP-20



SCALE: 1" =

PAGE OF

ECY 050-12 (Rev. 11/89)

TOTAL P.01

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.  
The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

291382

SEP-10-1999 16:32

CASCADE DRILLING

425 485 4368 P.01/01

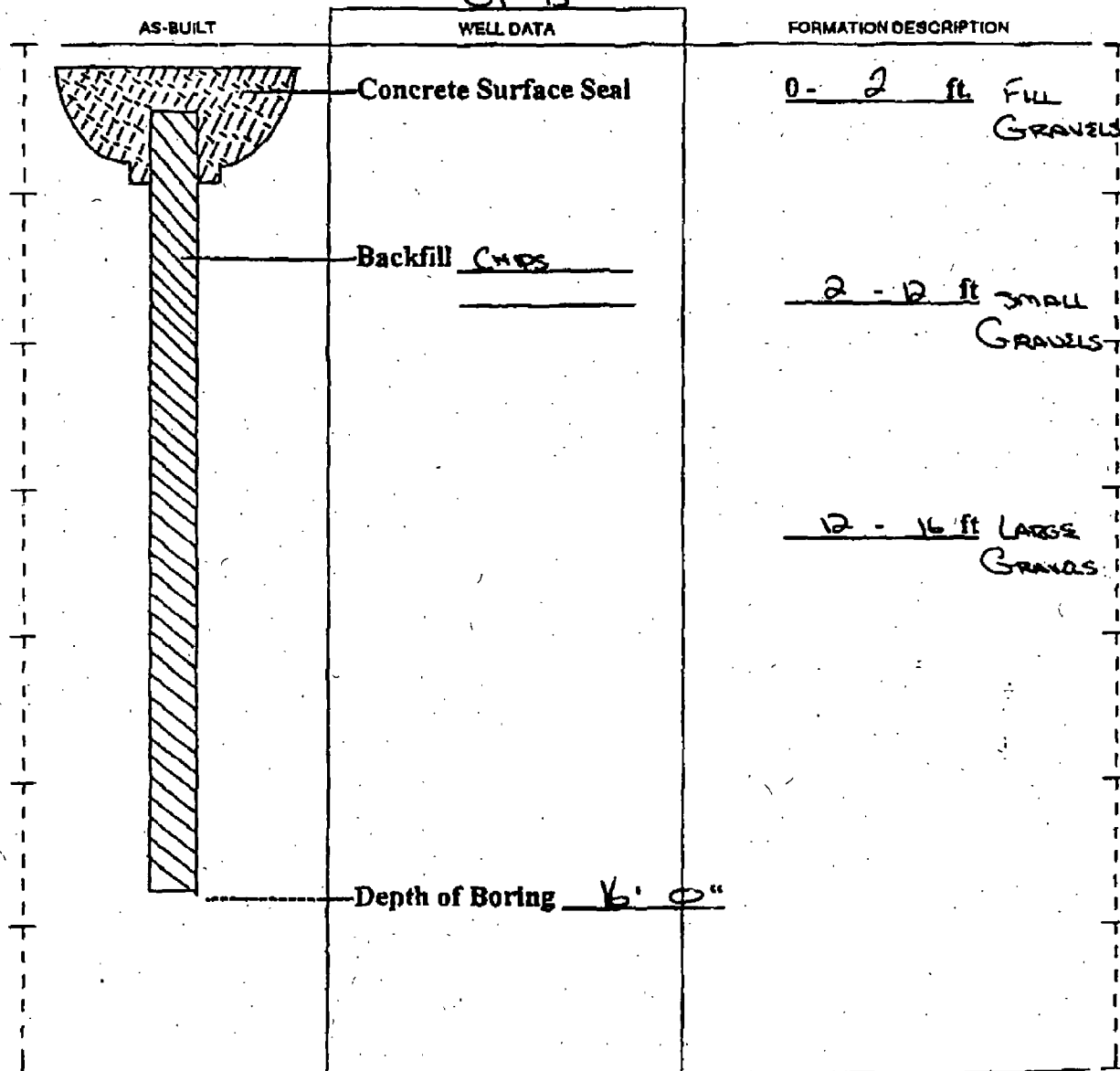
### SOIL BORING REPORT

Notification # 505461

Project Name: Inmar Oil Co  
Drilling Method: Probe / Saw  
Driller: Michael Colbert  
Firm: Cascade Drilling, Inc.  
Signature: [Signature]  
Consulting Firm: Parametrix  
Representative: Ann Ackerman

County: Clark  
Location: W1/4 N1/4 Sec 27 Twp 7 N R 1 E  
Street Address of Boring: 1300 W. 12th St. Vancouver  
Water Level Elevation: N/A  
Ground Surface Elevation: N/A  
Date of Drilling: 9-10-99

Invoice # 9493  
GP-15



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

ECY 050-12 (Rev. 11/89)

TOTAL P.01



The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.  
The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

291383

SEP-10-1999 16:32

CASCADE DRILLING

425 485 4368 P.01/01

SOIL BORING REPORT

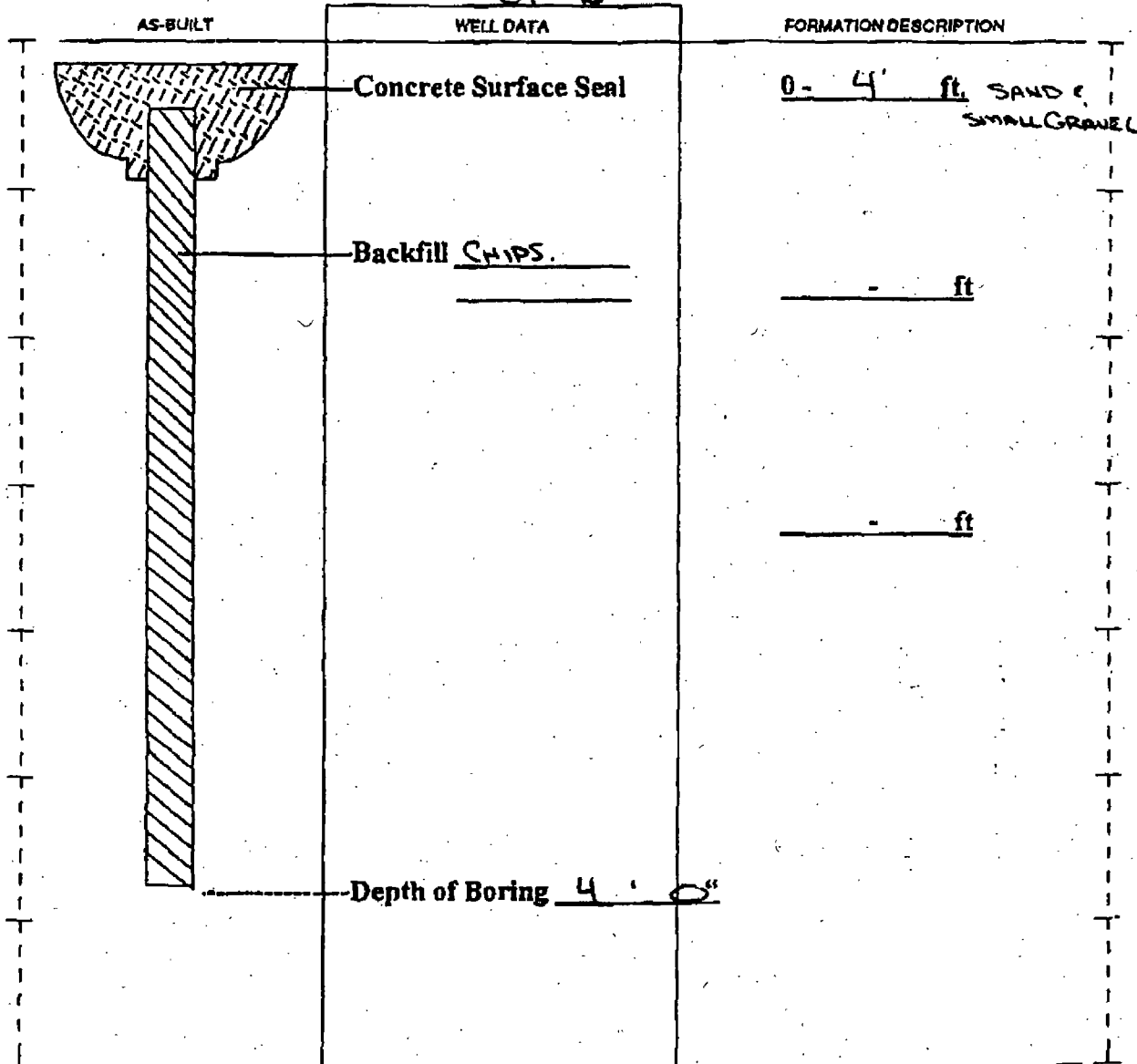
Notification # 505461

Project Name: Inmar OJ Co  
Drilling Method: Probe / Soil  
Driller: Michael Corbett  
Firm: Cascade Drilling, Inc.  
Signature: [Signature]  
Consulting Firm: Parametrix  
Representative: Ann Ackerman

County: Clark  
Location: W14 N14 Sec 27 Twp 2 N R 1 E  
Street Address of Boring: 1300 W. 12th St Vancouver  
Water Level Elevation: N/A  
Ground Surface Elevation: N/A  
Date of Drilling: 9-10-99

Invoice # 9493

GP-6



SCALE: 1" =

PAGE OF

ECY 060-12 (Rev. 11/89)

TOTAL P.01

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.  
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SEP-10-1999 16:32

CASCADE DRILLING

425 485 4368 P.01/01

291385

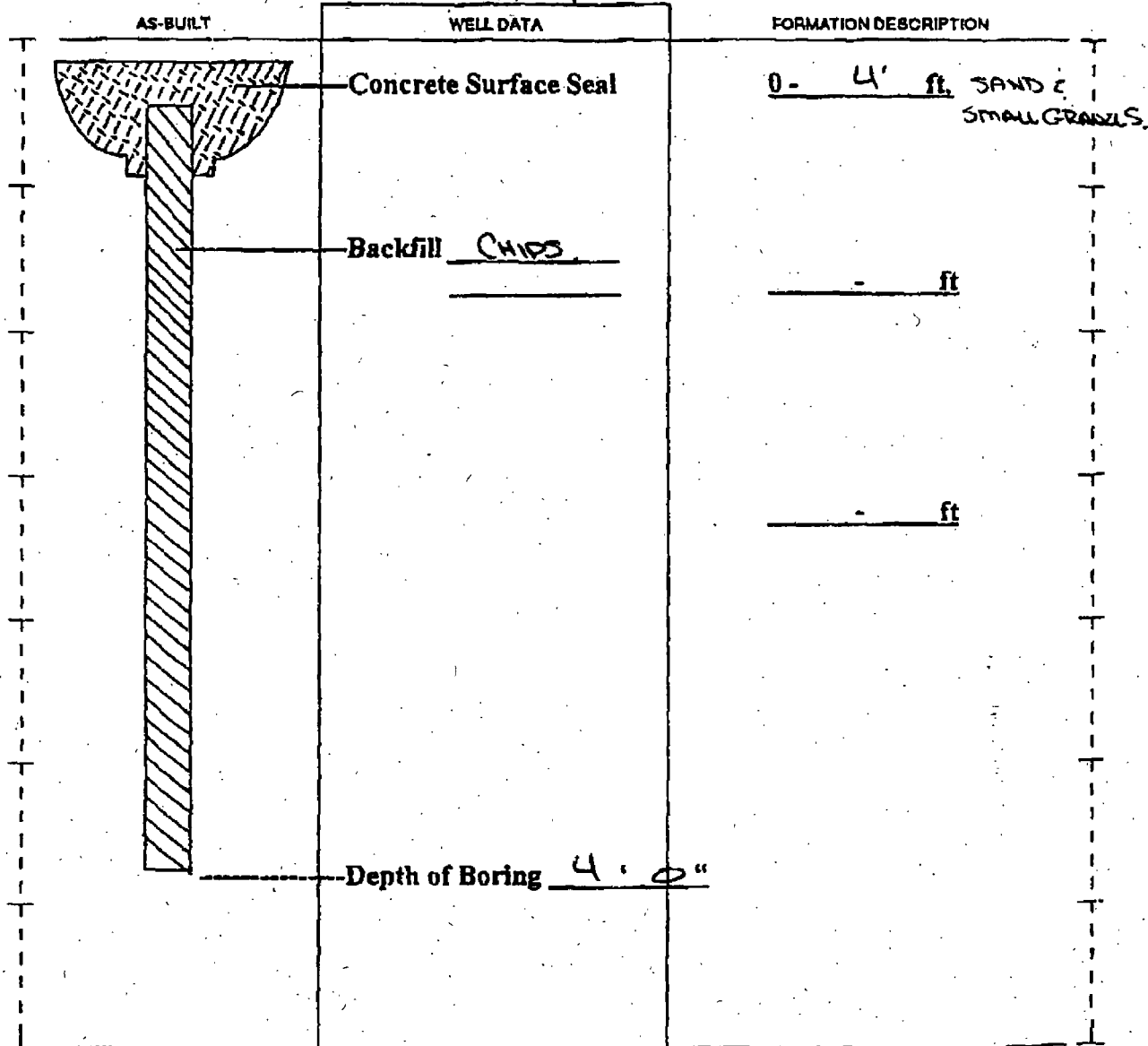
SOIL BORING REPORT

Notification # 505461

Project Name: Inmar Oil Co  
Drilling Method: Probe / Soil  
Driller: Michael Colbert  
Firm: Cascade Drilling, Inc.  
Signature: [Signature]  
Consulting Firm: Parametrix  
Representative: Ann Ackerman

County: Clark  
Location: NW 1/4 NW 1/4 Sec 27 Twp 2 N R 1 E  
Street Address of Boring: 1300 W. 12th St. Vancouver  
Water Level Elevation: N/A  
Ground Surface Elevation: N/A  
Date of Drilling: 9-10-99

Invoice # 9493  
GP-17



SCALE: 1" = \_\_\_\_\_

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ECY 050-12 (Rev. 11/89)

TOTAL P.01

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291386

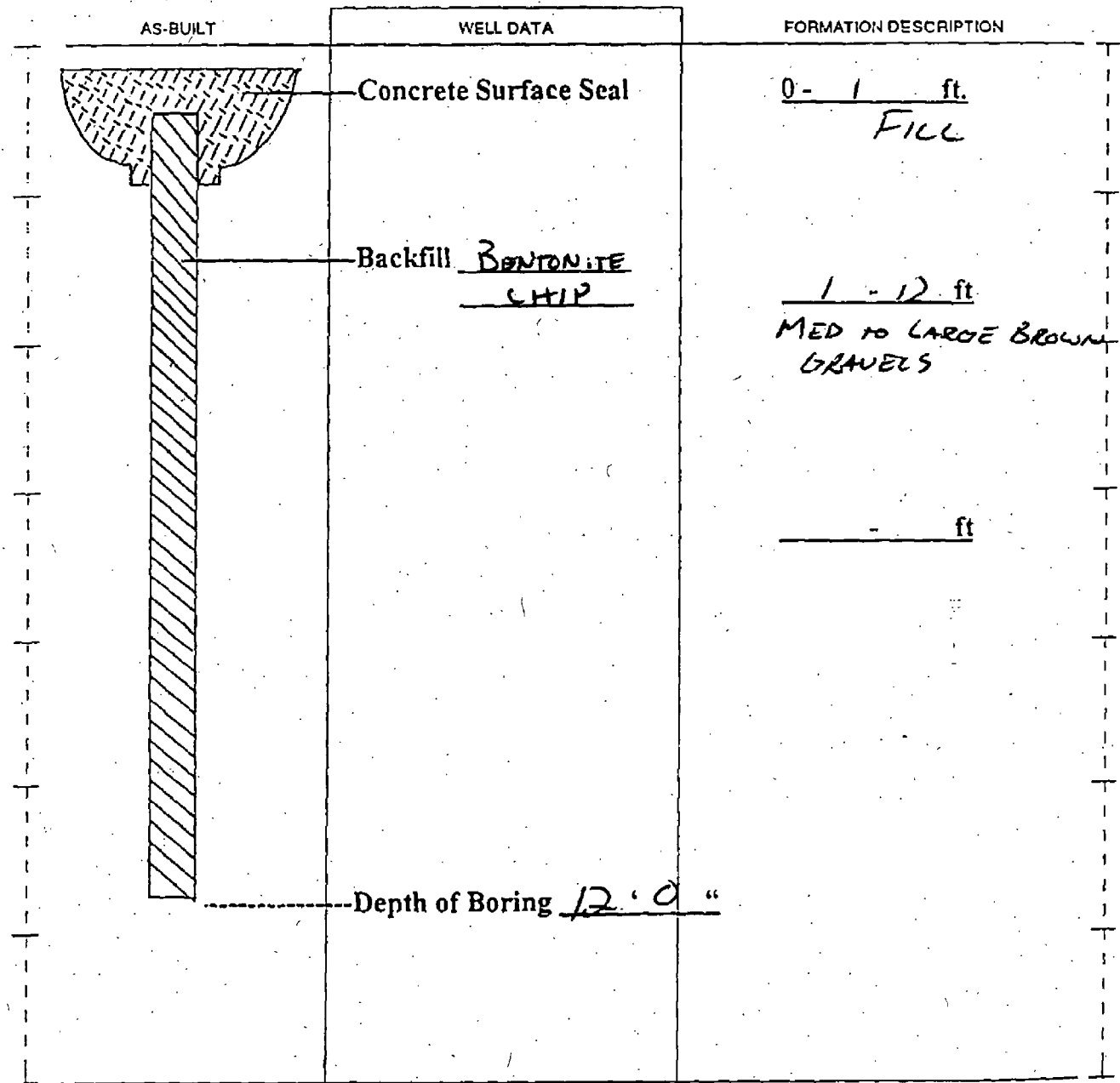
### SOIL BORING REPORT

Notification # 505461

Project Name: Inmar Oil Co.  
Drilling Method: Probe / Soil  
Driller: Kasey Goble  
Firm: Cascade Drilling, Inc.  
Signature: [Signature]  
Consulting Firm: Parametrix  
Representative: Ann Ackerman

County: CLARK  
Location: NW1/4 NW1/4 Sec 27 Twp2N R1E  
Street Address of Boring: 1300 W 12th St. Vancouver  
Water Level Elevation: N/A  
Ground Surface Elevation: N/A  
Date of Drilling: 9-8-99

Invoice # 9493



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ECY 050-12 (Rev. 11/89)

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291387

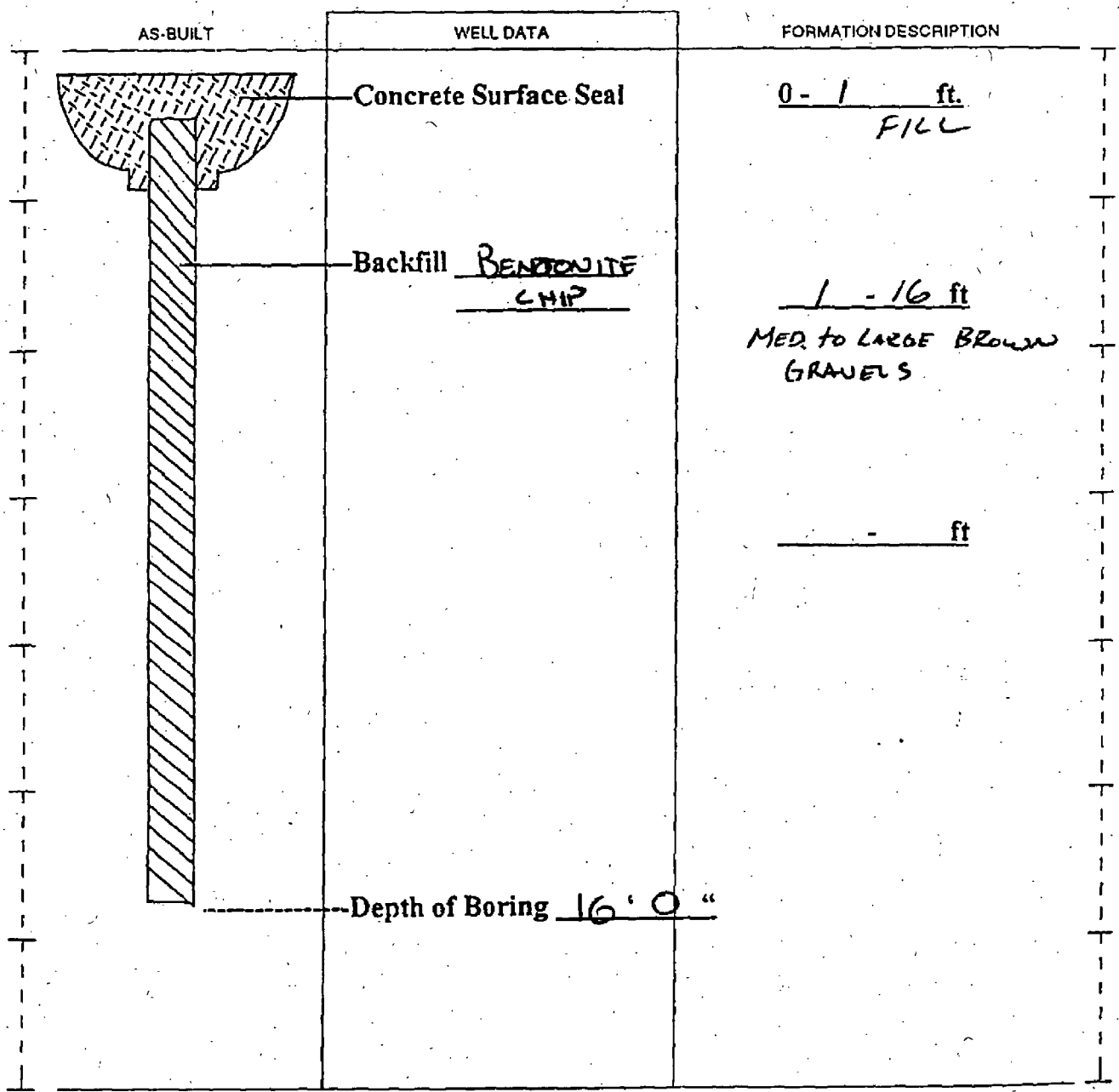
SOIL BORING REPORT

Notification # S05461

Project Name: Inmar OJ Co.  
Drilling Method: Probe / Soil Sample  
Driller: Kasey Goble  
Firm: Cascade Drilling, Inc.  
Signature: [Signature]  
Consulting Firm: Parametrix  
Representative: Ann Ackerman

County: CLATSOP  
Location: NW 1/4 NW 1/4 Sec 27 Twn 2N R 1E  
Street Address of Boring: 1300 W 12th St. Vancouver  
Water Level Elevation: N/A  
Ground Surface Elevation: N/A  
Date of Drilling: 9-8-99

Invoice # 9493



SCALE: 1" = \_\_\_\_\_

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ECY 050-12 (Rev. 11/89)

291388

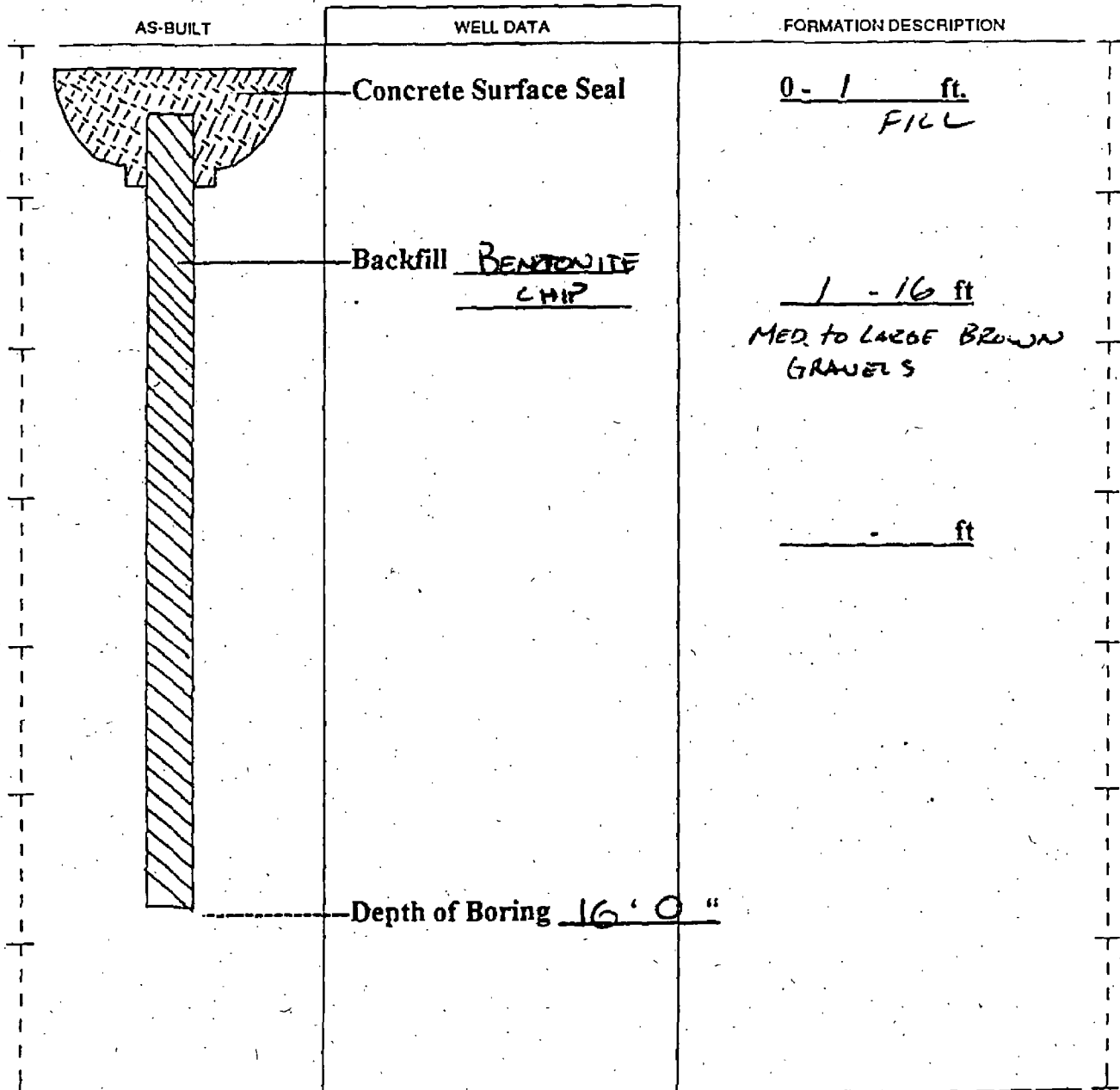
SOIL BORING REPORT

Notification # S05461

Project Name: Inmar Oil Co.  
 Drilling Method: Probe / Soil Sample  
 Driller: Kasey Goble  
 Firm: Cascade Drilling, Inc.  
 Signature: [Signature]  
 Consulting Firm: Parametrix  
 Representative: Ann Ackerman

County: CLARK  
 Location: NW1/4NW1/4 Sec 27 Twn2N R1E  
 Street Address of Boring: 1300 W 12th St. Vancouver  
 Water Level Elevation: N/A  
 Ground Surface Elevation: N/A  
 Date of Drilling: 9-8-99

Invoice # 9493



SCALE: 1" = \_\_\_\_\_

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ECY 050-12 (Rev. 11/89)

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.  
The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

291389

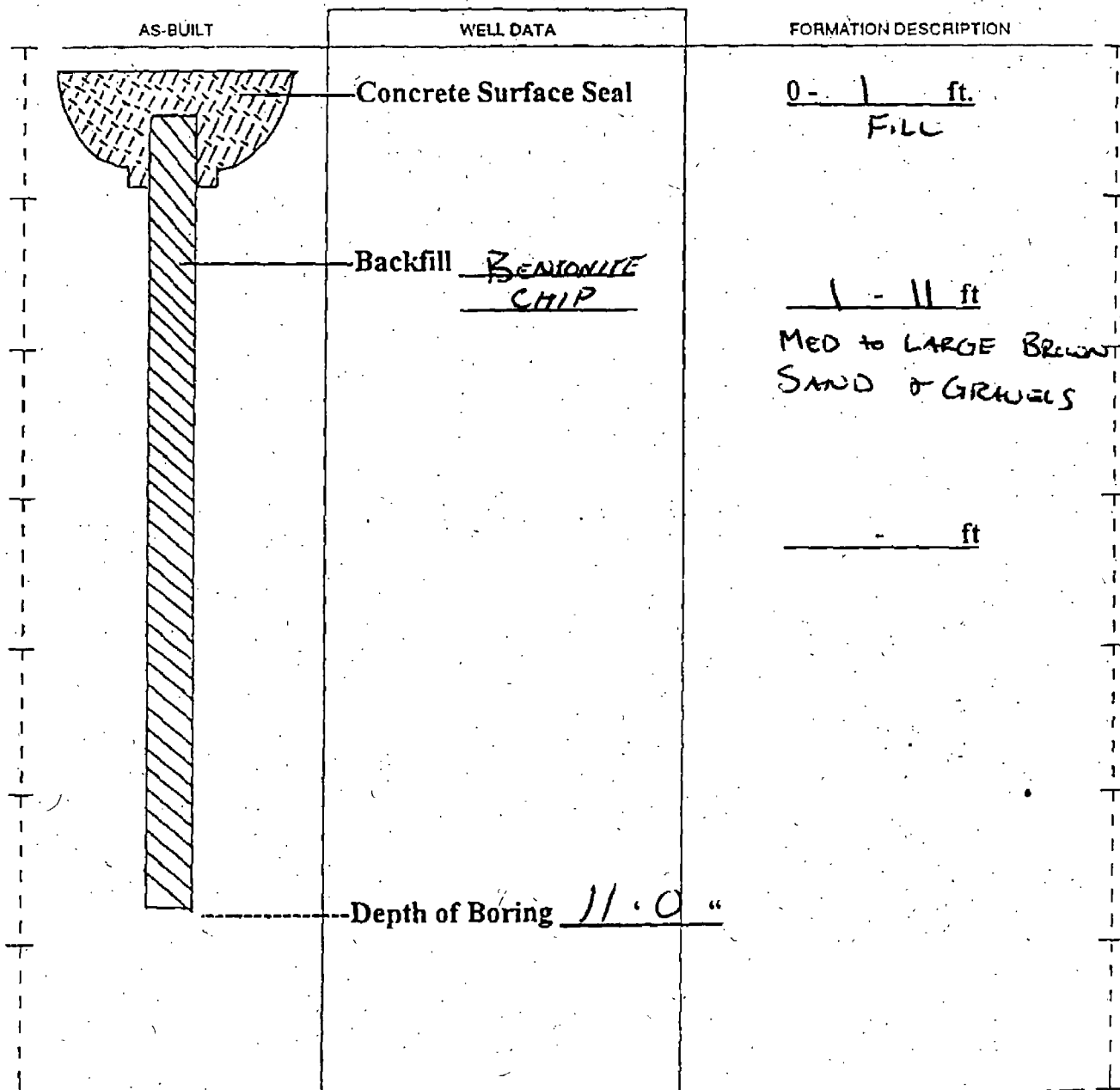
SOIL BORING REPORT

Notification # 505461

Project Name: Inmar Oil Co.  
Drilling Method: Probe / Soil  
Driller: Kasey Goble  
Firm: Cascade Drilling, Inc.  
Signature: [Signature]  
Consulting Firm: Parametrix  
Representative: Ann Ackerman

County: CLARK  
Location: NW 1/4 NW 1/4 Sec 27 Twn 2N R1E  
Street Address of Boring: 1300 W 12th St Vancouver  
Water Level Elevation: N/A  
Ground Surface Elevation: N/A  
Date of Drilling: 9-8-99

Invoice # 9493



SCALE: 1" = \_\_\_\_\_

PAGE \_\_\_\_\_ OF \_\_\_\_\_

ECY 050-12 (Rev. 11/89)

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.  
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291390

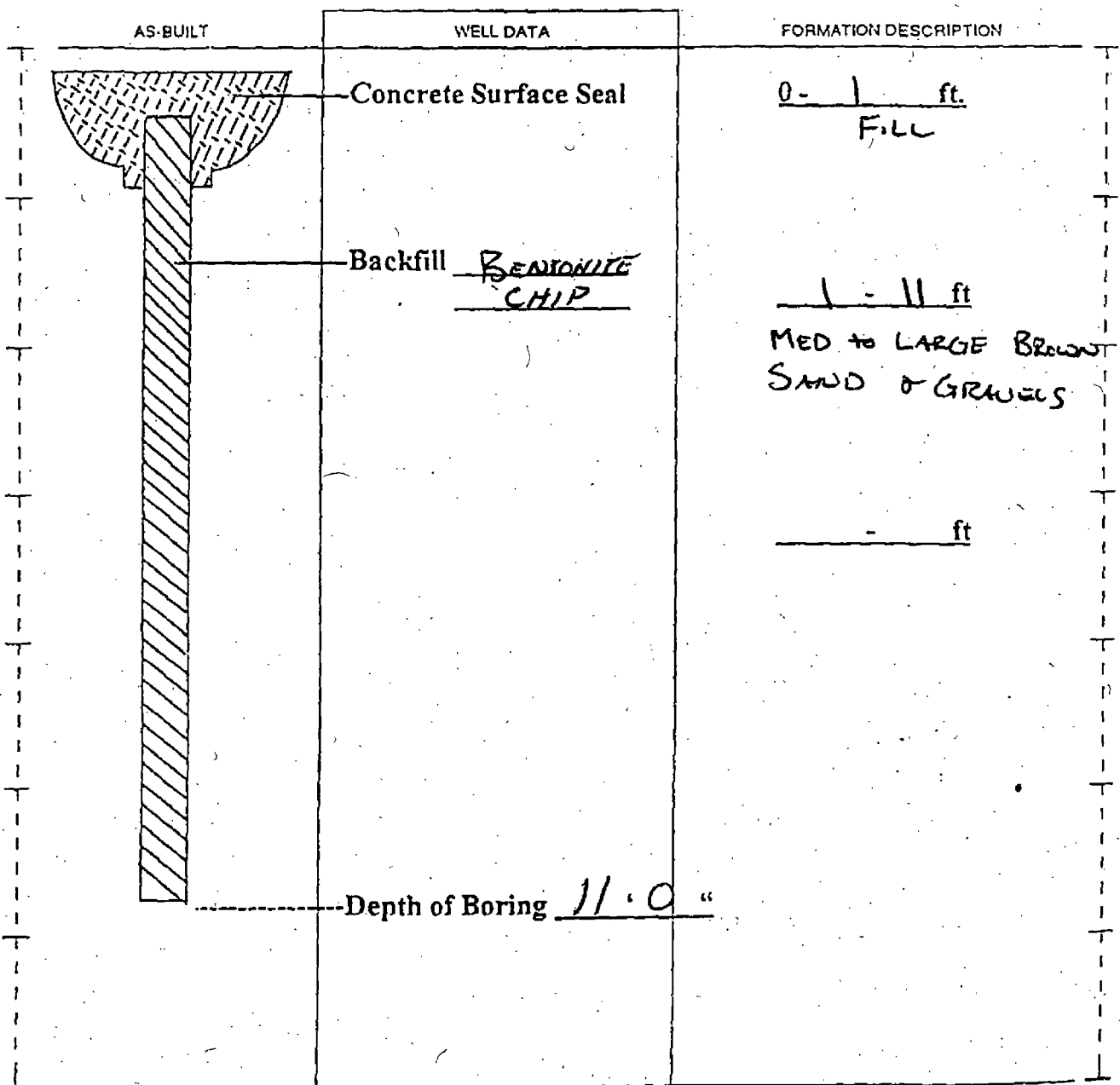
SOIL BORING REPORT

Notification # 505461

Project Name: Inmar Oil Co.  
Drilling Method: Probe / Soil  
Driller: Kasey Goble  
Firm: Cascade Drilling, Inc.  
Signature: [Signature]  
Consulting Firm: Parametrix  
Representative: Ann Ackerman

County: CLARK  
Location: N1/4 N1/4 Sec 27 Twn 2N R 1E  
Street Address of Boring: 1300 W 12th St. Vancouver  
Water Level Elevation: N/A  
Ground Surface Elevation: N/A  
Date of Drilling: 9-8-99

Invoice # 9493



SCALE: 1" = \_\_\_\_\_

PAGE \_\_\_\_\_ OF \_\_\_\_\_

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.  
The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

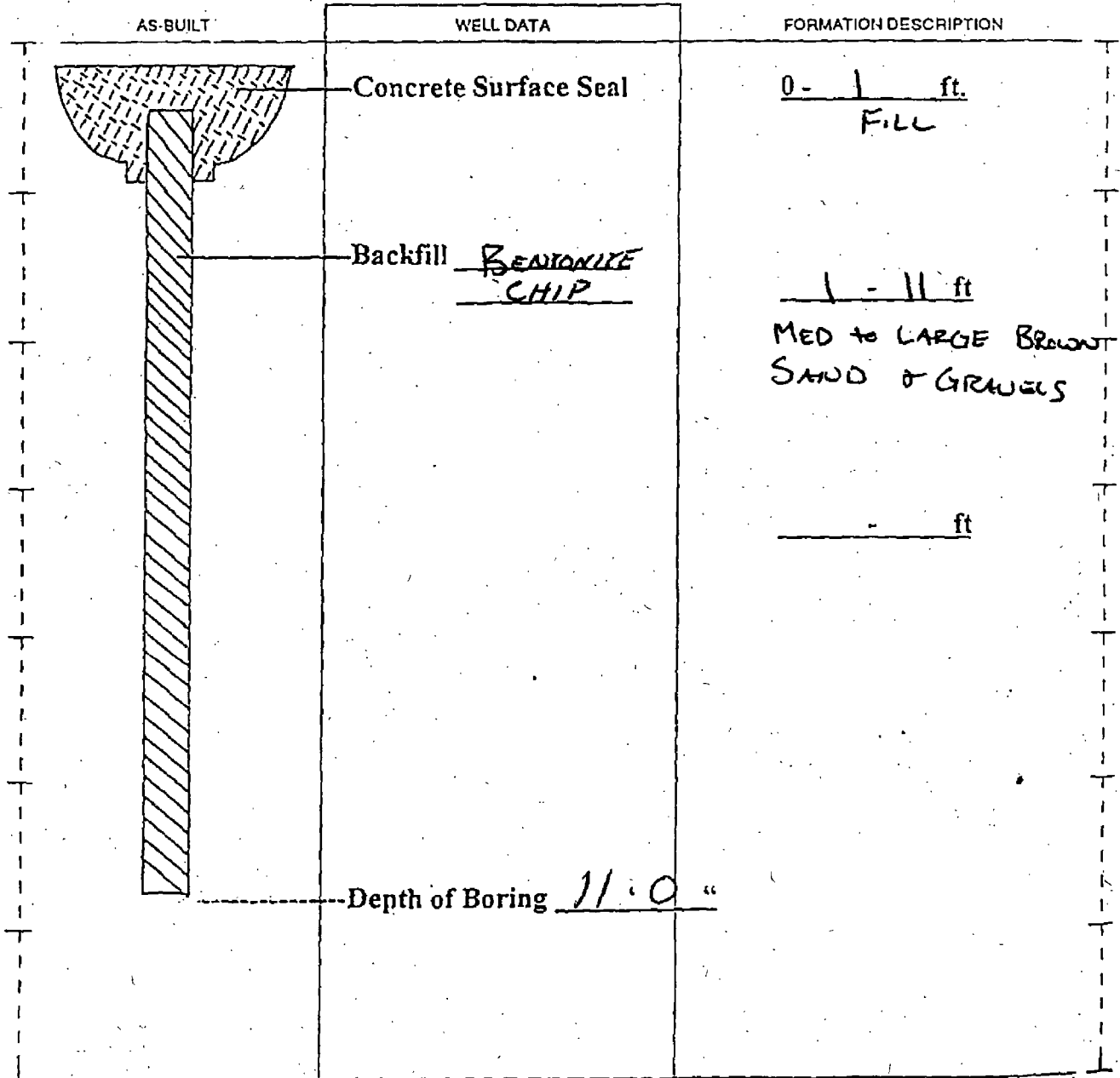
291391

SOIL BORING REPORT

Notification #: 505461

Project Name: Inmar Oil Co. County: CLARK  
Drilling Method: Probe / Soil Location: NW1/4NW1/4 Sec27 Twn2N R1E  
Driller: Kasey Goble Street Address of Boring: 1300 W 12th St. Vancouver  
Firm: Cascade Drilling, Inc. Water Level Elevation: N/A  
Signature: [Signature] Ground Surface Elevation: N/A  
Consulting Firm: Parametrix Date of Drilling: 9-8-99  
Representative: Ann Ackerman

Invoice # 9493



SCALE: 1" = \_\_\_\_\_

PAGE \_\_\_\_\_ OF \_\_\_\_\_

ECY 050-12 (Rev. 11/89)



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SEP-10-1999 16:32

CASCADE DRILLING

425 485 4368 P.01/01

291398

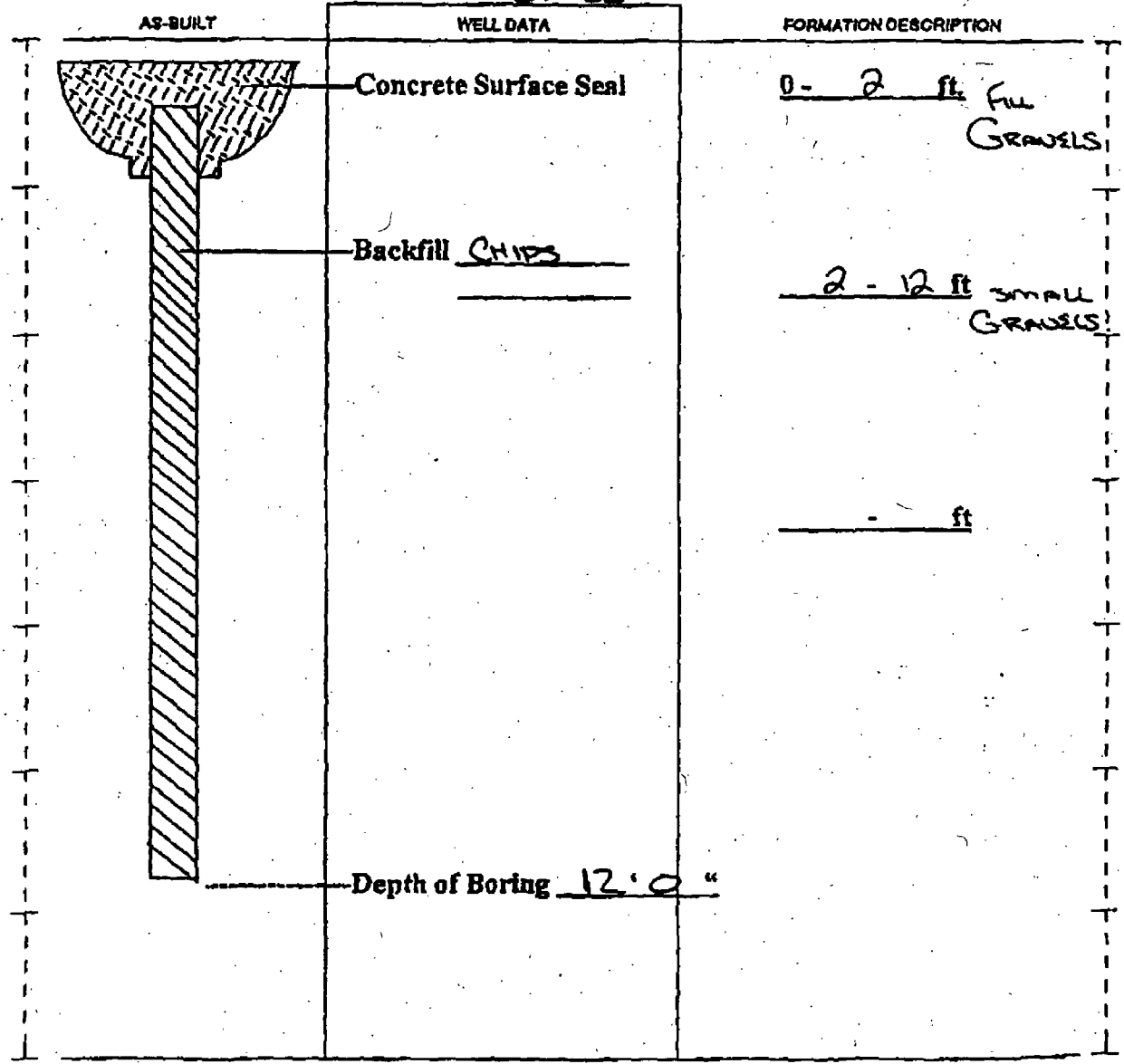
**SOIL BORING REPORT**

Notification # 505461

Project Name: Inmar Oil Co  
Drilling Method: Probe / Soil  
Driller: Michael Colbert  
Firm: Cascade Drilling, Inc.  
Signature: Michael Colbert  
Consulting Firm: Parametrix  
Representative: Ann Askerman

County: Clark  
Location: N14 W14 Sec 27 Twp 21 R 1E  
Street Address of Boring: 1300 W. 125th St Vancouver  
Water Level Elevation: N/A  
Ground Surface Elevation: N/A  
Date of Drilling: 9-10-99

Invoice # 9493  
CP-22



SCALE: 1" = \_\_\_\_\_

PAGE \_\_\_\_\_ OF \_\_\_\_\_

ECY 050-12 (Rev. 11/89)

TOTAL P.01

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.  
The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

291399

SEP-10-1999 16:32

CASCADE DRILLING

425 485 4368 P.01/01

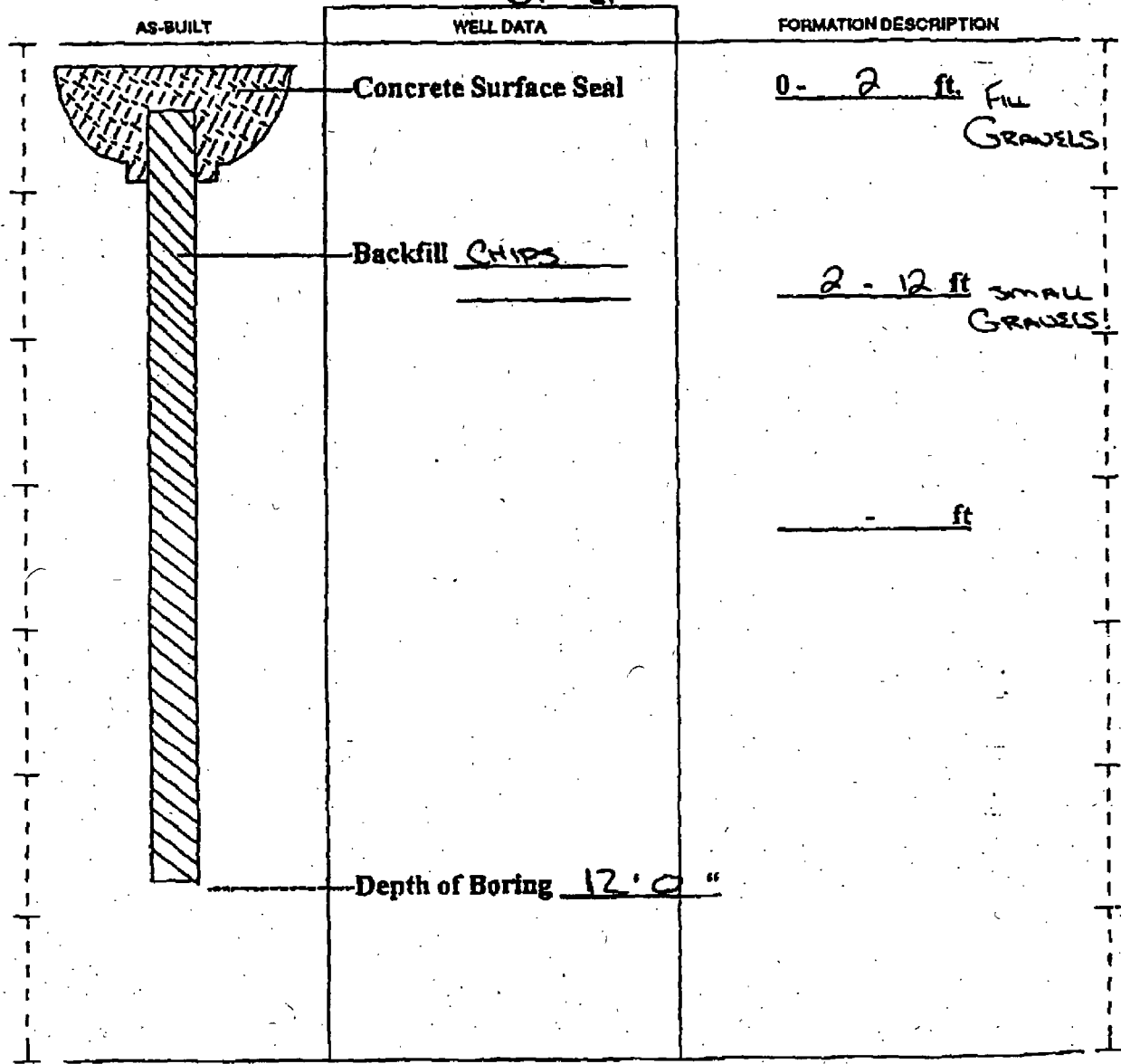
### SOIL BORING REPORT

Notification # 505461

Project Name: Inner O.J Co  
Drilling Method: Probe/Soil  
Driller: Michael Colbert  
Firm: Cascade Drilling, Inc.  
Signature: [Signature]  
Consulting Firm: Parametrix  
Representative: Ann Ackerman

County: Clark  
Location: NW 1/4 NW 1/4 Sec 27 Twp 2 N R 1 E  
Street Address of Boring: 1300 W. 12th St Vancouver  
Water Level Elevation: N/A  
Ground Surface Elevation: N/A  
Date of Drilling: 9-10-99

Invoice # 9493  
GP-21



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

ECY 050-12 (Rev. 11/89)

TOTAL P.01

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.  
The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

291400

SEP-10-1999 16:32

CASCADE DRILLING

425 485 4368 P.01/01

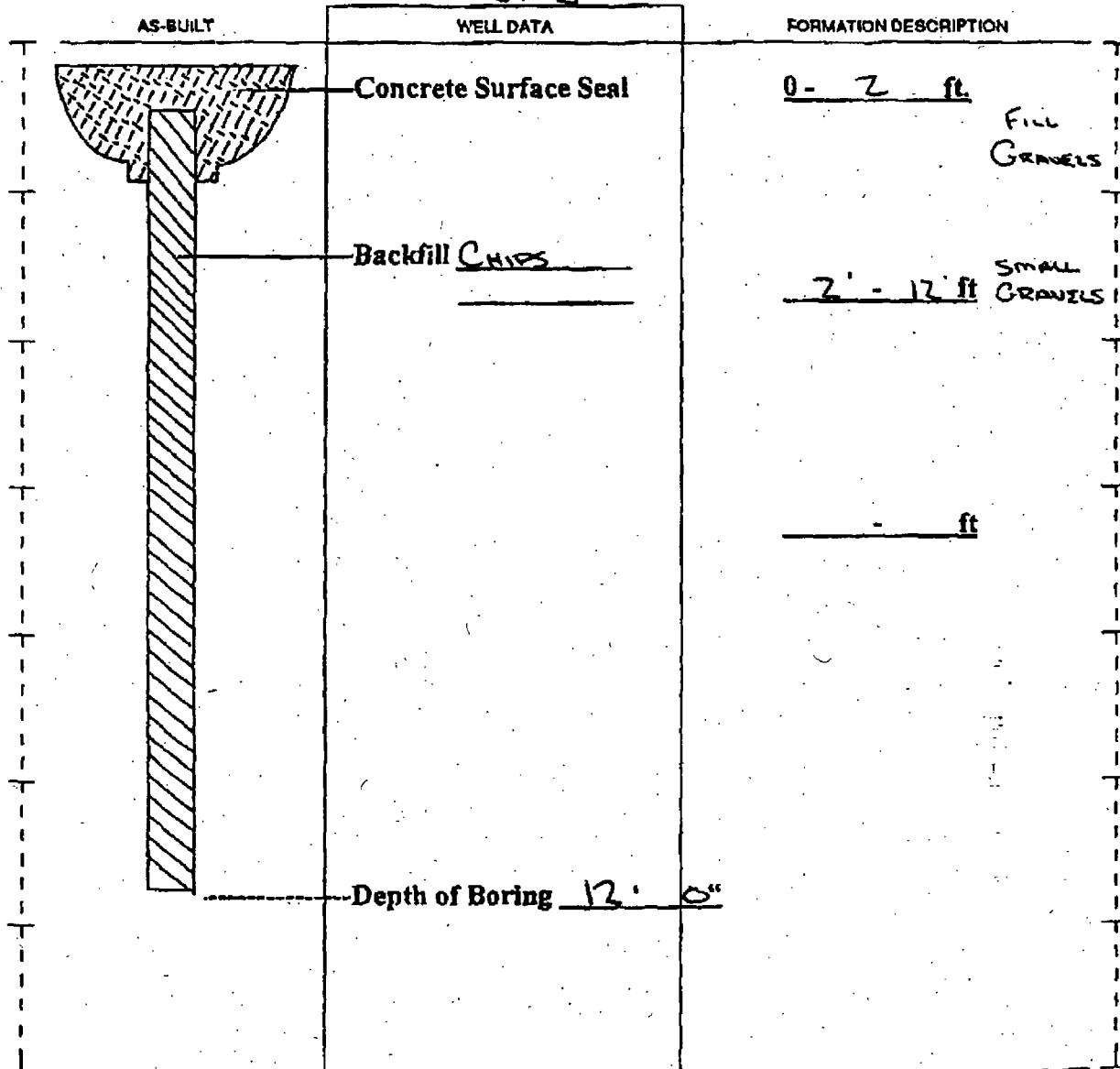
SOIL BORING REPORT

Notification # S05461

Project Name: Inmar O.I Co  
Drilling Method: Probe / Soil  
Driller: Michael Colbert  
Firm: Cascade Drilling, Inc.  
Signature: Michael Colbert  
Consulting Firm: Parametrix  
Representative: Ann Ackerman

County: Clark  
Location: NW1/4 NW1/4 Sec 27 T12N R 1E  
Street Address of Boring: 1300 W. 12th St. Vancouver  
Water Level Elevation: N/A  
Ground Surface Elevation: N/A  
Date of Drilling: 9-9-99

Invoice # 9493  
GY-8



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

ECY 050-12 (Rev. 11/89)

TOTAL P.01

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.  
The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

291401  
SEP-10-1999 16:32

CASCADE DRILLING

425 485 4388 P. 01/01

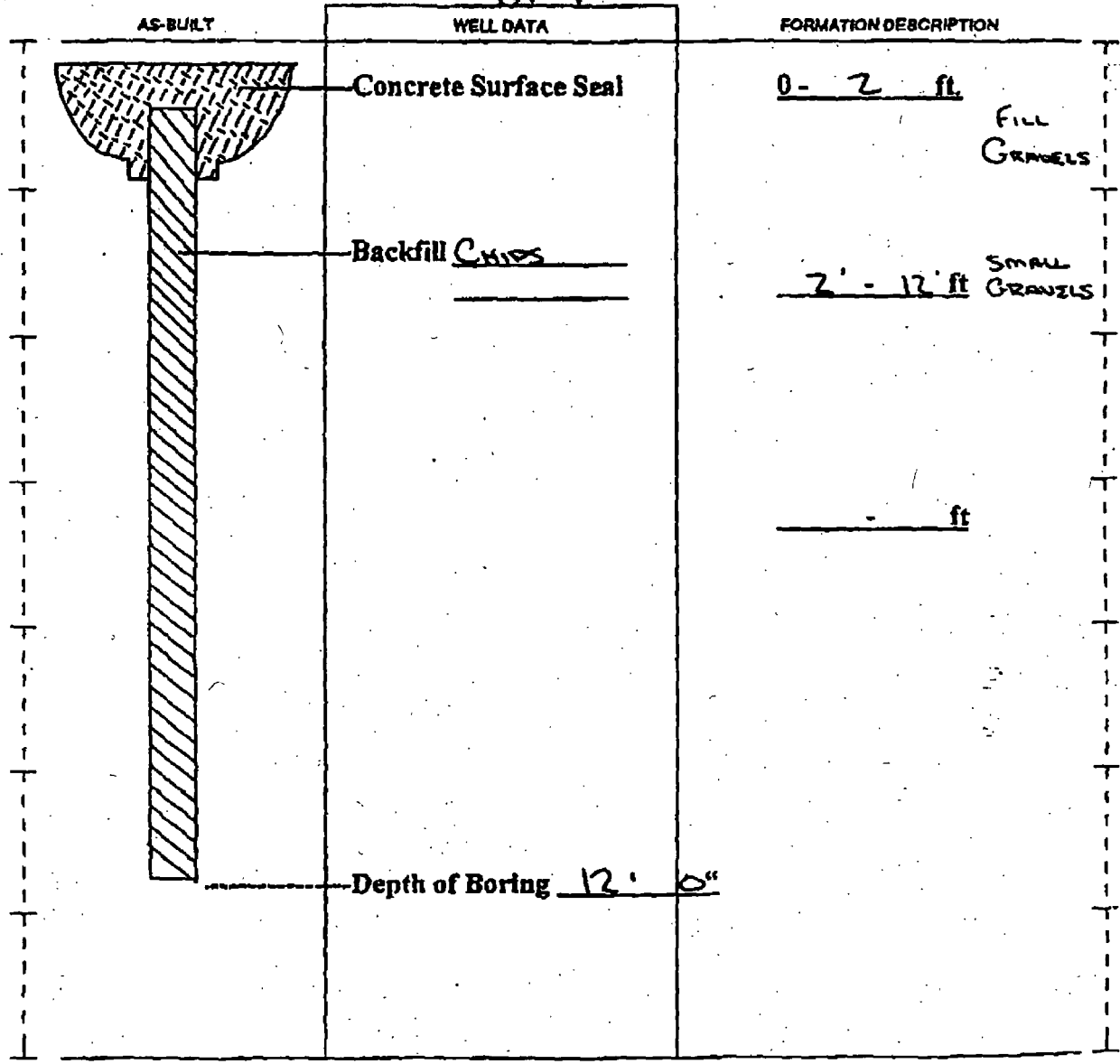
### SOIL BORING REPORT

Notification # 505461

Project Name: Inmar OJ Co  
Drilling Method: Probe / Soil  
Driller: Michael Colburn  
Firm: Cascade Drilling, Inc.  
Signature: Michael Colburn  
Consulting Firm: Parametrix  
Representative: Ann Ackerman

County: Clark  
Location: NW 1/4 NW 1/4 Sec 27 Twp 2N R 1E  
Street Address of Boring: 1300 W. 12th St Vancouver  
Water Level Elevation: N/A  
Ground Surface Elevation: N/A  
Date of Drilling: 9-9-99

Invoice # 9493  
GP-9



SCALE: 1" = \_\_\_\_\_

PAGE \_\_\_\_\_ OF \_\_\_\_\_

ECY 050-12 (Rev. 11/89)

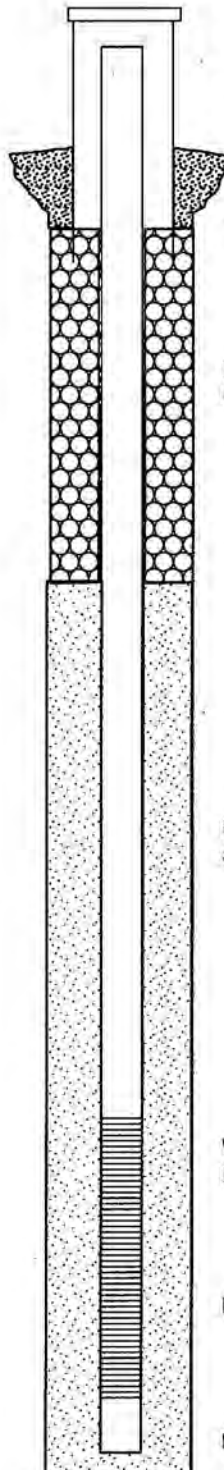
TOTAL P. 01

# RESOURCE PROTECTION WELL REPORT

Job No.: XL-3604-C Decommission card #: AE-28490  
 Project: Columbia River Crossing, Evergreen Blvd. Vic. St. Clouds and Walls  
 Hole#: CRC-WW05-03p Well ID#: BCH-818 Location: NW1/4 of NW1/4 Sec: 27 Twn: 2 N Range: 1 EWM  
 Method: Casing Advancer Street Address of Well: Vicinity of I-5 and City Center Exit  
 Driller: Nelson, Brad Lic #: 2969 Water Table Depth: DRY  
 Company: WA State Dept. of Transportation Ground Surface Elevation: 70.44  
 Signature: [Signature] Installed: 12/16/2010 Decommissioned: 9-9-14  
 Cased Hole: 1"

Casing 4

Filled pipe with bentonite slurry.  
Cut off 2ft blow ground and sealed to of hole.



Protective Casing,  
Stick-up 2ft

Instrument Pipe'  
stick-up 1 1/2ft

Ground Surface

Cement Surface Seal  
from 0.0 ft. to 2.0 ft.

Instrument Pipe in  
Granular Bentonite, from 2.0 ft. to 10.0 ft.

Instrument Pipe in  
SAND, from 10.0 ft. to 20.0 ft.

**RECEIVED**

APR 03 2015

WA State Department  
of Ecology (SWRO)

Well Screen  
In Clean Sand, from 20.0 ft. to 30.0 ft

Bottom Seal, from 32.0 ft. to 99.9 ft

Bottom of Hole 99.9 ft.

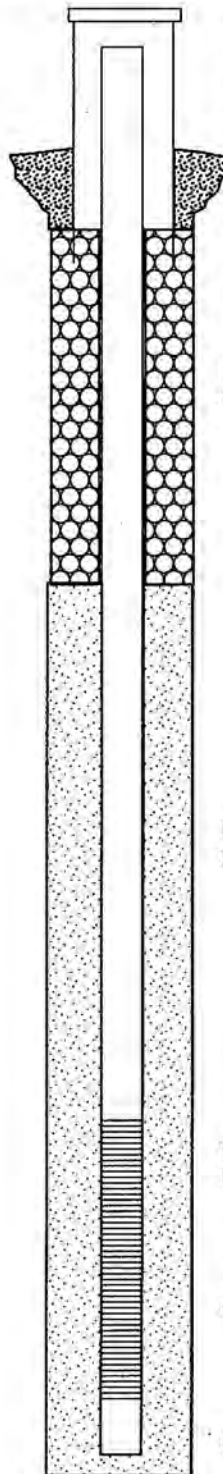
The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report

# RESOURCE PROTECTION WELL REPORT

Job No.: XL-3604-C Decommission card #: AE-28490  
 Project: Columbia River Crossing, Evergreen Blvd. Vic. St. Johns and Walls  
 Hole#: CRC-WW05-01 Well ID#: BCH-816 Location: NW1/4 of NW1/4 Sec: 27 Twn: 2 N Range: 1 EWM  
 Method: Casing Advancer Street Address of Well: Vicinity of I-5 and City Center Exit  
 Driller: Nelson, Brad Lic #: 2969 Water Table Depth: 22.4  
 Company: WA State Dept. of Transportation Ground Surface Elevation: 63.82  
 Signature: [Signature] Installed: 1/5/2011 Decommissioned: 9-9-14  
 Cased Hole: 1"

Casing 4

Filled pipe with bentonite slurry.  
Cut off 2ft blow ground and sealed to of hole.



Protective Casing,  
Stick-up 2ft

Instrument Pipe'  
stick-up 1 1/2ft

Ground Surface

Cement Surface Seal  
from 0.0 ft. to 2.0 ft.

Instrument Pipe in  
Granular Bentonite, from 2.0 ft. to 10.0 ft.

Instrument Pipe in  
SAND, from 10.0 ft. to 22.5 ft.

**RECEIVED**

APR 03 2015

WA State Department  
of Ecology (SWRO)

Well Screen  
In Clean Sand, from 22.5 ft. to 32.5 ft

Bottom Seal, from 34.5 ft. to 90.5 ft

Bottom of Hole 90.5 ft.

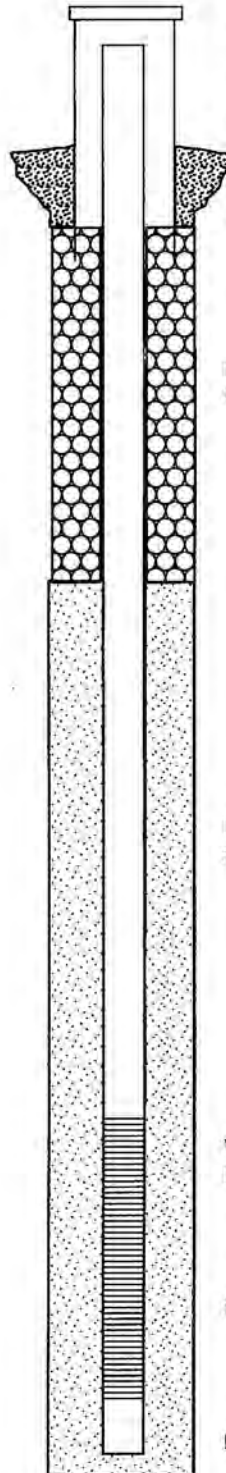
The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report

# RESOURCE PROTECTION WELL REPORT

Job No.: XL-3604-C Decommission card #: AE-28490  
 Project: Columbia River Crossing, Evergreen Blvd. Vic. St. Clouds and Walls  
 Hole#: CRC-WW05-13-Well ID#: BCH-782 Location: NW1/4 of NW1/4 Sec: 27 Twn: 2 N Range: 1 EWM  
 Method: Casing Advancer Street Address of Well: Vicinity of Evergreen Boulevard and I-5  
 Driller: Nelson, Brad Lic #: 2969 Water Table Depth: 54  
 Company: WA State Dept. of Transportation Ground Surface Elevation: 64.86  
 Signature: [Signature] Installed: 6/8/2011 Decommissioned: 9-9-14  
 Cased Hole: 1"

Casing 6

Filled pipe with bentonite slurry.  
Cut off 2ft blow ground and sealed to of hole.



Protective Casing,  
Stick-up 2ft

Instrument Pipe'  
stick-up 1 1/2ft

Ground Surface

Cement Surface Seal  
from 0.0 ft. to 2.0 ft.

Instrument Pipe in  
Granular Bentonite, from 2.0 ft. to 119.0 ft.

Instrument Pipe in  
SAND, from      ft. to      ft.

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WA State Department  
of Ecology (SWRO)

Well Screen  
In Clean Sand, from      ft. to      ft

Bottom Seal, from 119.0 ft. to 119.4 ft

Bottom of Hole 119.4 ft.

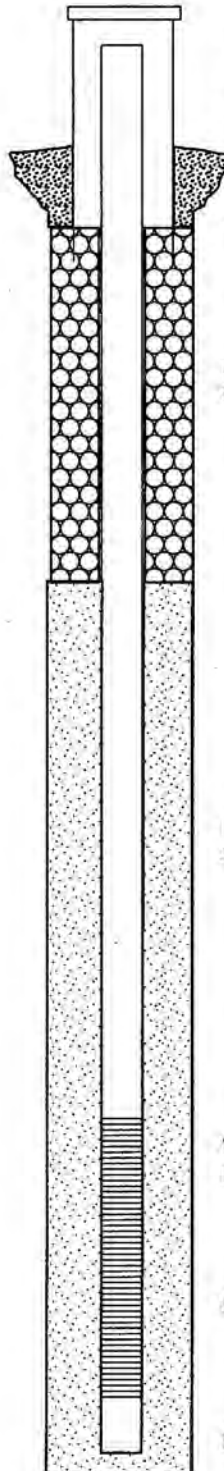
The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report

# RESOURCE PROTECTION WELL REPORT

Job No.: XL-3604-C Decommission card #: AE-28490  
 Project: Columbia River Crossing, Evergreen Blvd. Vic. St. Johns and Walls  
 Hole#: CRC-WB09-01p Well ID#: BCH-791 Location: NW1/4 of NW1/4 Sec: 27 Twn: 2 N Range: 1 EWM  
 Method: Casing Advancer Street Address of Well: Vicinity of Evergreen Boulevard and I-5  
 Driller: Nelson, Brad Lic #: 2969 Water Table Depth: DRY  
 Company: WA State Dept. of Transportation Ground Surface Elevation: 75.7  
 Signature: [Signature] Installed: 6/16/2011 Decommissioned: 9-9-14  
 Cased Hole: 1"

Casing 4

Filled pipe with bentonite slurry.  
Cut off 2ft blow ground and sealed to of hole.



Protective Casing,  
Stick-up 2ft

Instrument Pipe'  
stick-up 1 1/2ft

Ground Surface

Cement Surface Seal  
from 0.0 ft. to 2.0 ft.

Instrument Pipe in  
Granular Bentonite, from 2.0 ft. to 20.0 ft.

Instrument Pipe in  
SAND, from      ft. to      ft.

**RECEIVED**

APR 03 2015

WA State Department  
of Ecology (SWRO)

Well Screen  
In Clean Sand, from 20.0 ft. to 30.0 ft

Bottom Seal, from 30.0 ft. to 111.0 ft

Bottom of Hole 111.0 ft.

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report

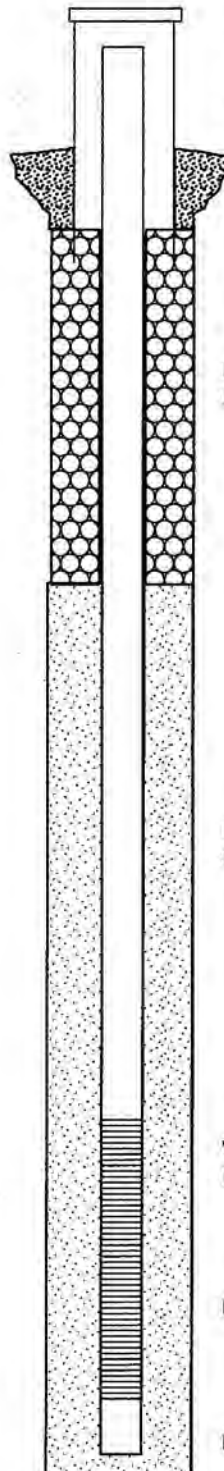


# RESOURCE PROTECTION WELL REPORT

Job No.: XL-3604-C Decommission card #: AE-28490  
 Project: Columbia River Crossing, Evergreen Blvd. Vic. St. Clouds and Wats  
 Hole#: CRC-WW05-02p Well ID#: BCH-817 Location: NW1/4 of NW1/4 Sec: 27 Twn: 2 N Range: 1 EWM  
 Method: Casing Advancer Street Address of Well: Vicinity of I-5 and City Center Exit  
 Driller: Nelson, Brad Lic #: 2969 Water Table Depth: DRY  
 Company: WA State Dept. of Transportation Ground Surface Elevation: 68.16  
 Signature: [Signature] Installed: 12/17/2010 Decommissioned: 9-9-14  
Cased Hole: 1"

Casing 4

Filled pipe with bentonite slurry.  
Cut off 2ft blow ground and sealed to of hole.



Protective Casing,  
Stick-up 2ft

Instrument Pipe'  
stick-up 1 1/2ft

Ground Surface

Cement Surface Seal  
from 0.0 ft. to 2.0 ft.

Instrument Pipe in  
Granular Bentonite, from 2.0 ft. to 10.0 ft.

Instrument Pipe in  
SAND, from 10.0 ft. to 18.0 ft.

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of Ecology (SWRO)**

Well Screen  
In Clean Sand, from 18.0 ft. to 28.0 ft

Bottom Seal, from 30.0 ft. to 99.9 ft

Bottom of Hole 99.9 ft.

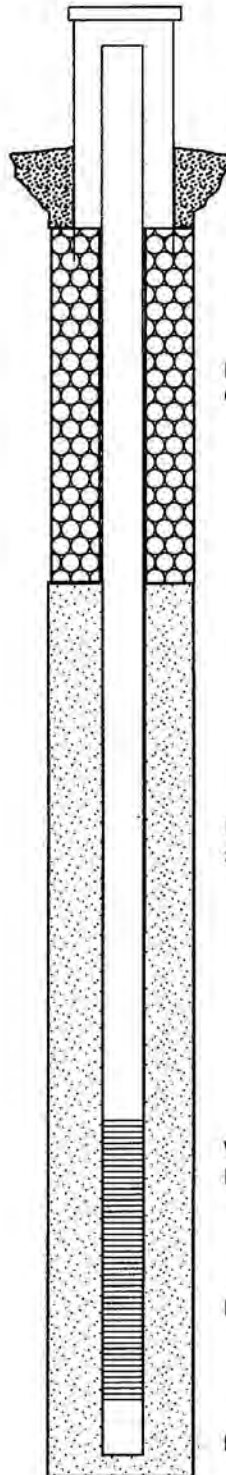
The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report

# RESOURCE PROTECTION WELL REPORT

Job No.: XL-3604-C Decommission card #: AE-28490  
 Project: Columbia River Crossing, Evergreen Blvd. Vic. St. Anthony's and Waite  
 Hole#: CRC-WW05-12p Well ID#: BCH-820 Location: NW1/4 of NW1/4 Sec: 27 Twn: 2 N Range: 1 EWM  
 Method: Casing Advancer Street Address of Well: Vicinity of Evergreen Boulevard and I-5  
 Driller: Nelson, Brad Lic #: 2969 Water Table Depth: DRY  
 Company: WA State Dept. of Transportation Ground Surface Elevation: 100.55  
 Signature: [Signature] Installed: 2/15/2011 Decommissioned: 9-9-14  
 Cased Hole: 1"

Casing 6

Filled pipe with bentonite slurry.  
Cut off 2ft blow ground and sealed to of hole.



Protective Casing,  
Stick-up 2ft

Instrument Pipe'  
stick-up 1 1/2ft

Ground Surface

Cement Surface Seal  
from 0.0 ft. to 1.0 ft.

Instrument Pipe in  
Granular Bentonite, from 1.0 ft. to 15.0 ft.

Instrument Pipe in  
SAND, from      ft. to      ft.

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of Ecology (SWRO)

Well Screen  
In Clean Sand, from 15.0 ft. to 30.0 ft

Bottom Seal, from 30.0 ft. to 99.3 ft

Bottom of Hole 99.3 ft.

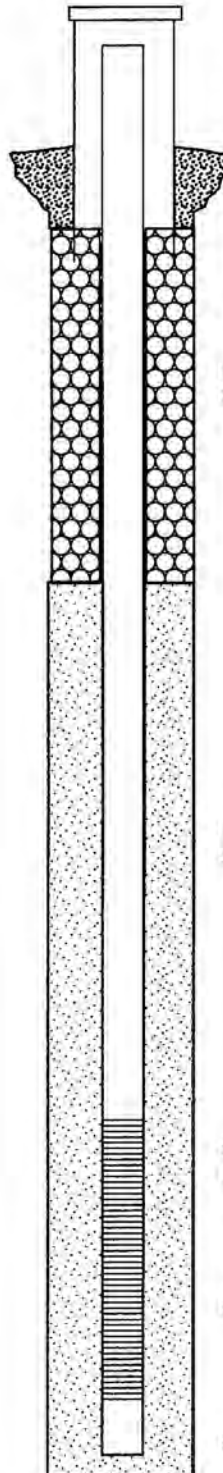
The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report

# RESOURCE PROTECTION WELL REPORT

Job No.: XL-3604-C Decommission card #: AE-28490  
 Project: Columbia River Crossing, Evergreen Blvd. Vic. St. Clouds and Walls  
 Hole#: CRC-WW05-11p Well ID#: BCH-819 Location: NW1/4 of NW1/4 Sec: 27 Twn: 2 N Range: 1 EWM  
 Method: Casing Advancer Street Address of Well: Vicinity of Evergreen Boulevard and I-5  
 Driller: Nelson, Brad Lic #: 2969 Water Table Depth: DRY  
 Company: WA State Dept. of Transportation Ground Surface Elevation: 104.74  
 Signature: *Brad Nelson* Installed: 2/20/2011 Decommissioned: 9-9-14  
 Cased Hole: 1"

Casing 4

Filled pipe with bentonite slurry.  
Cut off 2ft blow ground and sealed to of hole.



Protective Casing,  
Stick-up 2ft

Instrument Pipe'  
stick-up 1 1/2ft

Ground Surface

Cement Surface Seal  
from 0.0 ft. to 2.0 ft.

Instrument Pipe in  
Granular Bentonite, from 2.0 ft. to 18.0 ft.

Instrument Pipe in  
SAND, from 18.0 ft. to 20.0 ft.

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Well Screen  
In Clean Sand, from 20.0 ft. to 40.0 ft

Bottom Seal, from 42.0 ft. to 93.4 ft

Bottom of Hole 93.4 ft.

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

Job Number: XL-3604--f  
Boring: CRC-TR-18-12

449336

Please print, sign and return to the Department of Ecology

**RESOURCE PROTECTION WELL REPORT**

**CURRENT Notice of Intent No.** SE-45009/AE-16964

(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:

Property Owner WSDOT

Consulting Firm WSDOT

Site Address mcloughlin and I-5

Unique Ecology Well IDTag No. \_\_\_\_\_

City \_\_\_\_\_ County Clark

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.

Location NW 1/4-1/4 NW 1/4 Sec 27 Twn 2n R

EWM  or WWM

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

Driller  Engineer  Trainee  
Name (Print Last, First Name) Wilson, Jamie

Tax Parcel No. \_\_\_\_\_

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

Cased or Uncased Diameter 4" Static Level \_\_\_\_\_

Driller or Trainee License No. 2941

Work/Decommission Start Date 4/11/2012

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

Work/Decommission Completed Date 4/11/2012

Construction Design	Well Data	Formation Description
		0 - 14 ft Sand
		14 - 19 ft Sand with silt
		19 - 56 ft Sand
		56 - 60.5 ft Gravel with sand and silt
Boring was backfilled with bentonite hole plug to surface.		

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APR 24 2012  
WA State Department of Ecology (SWRO)

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

Job Number: XL-3604--f  
Boring: CRC-TR-18-12

449338 Please print, sign and return to the Department of Ecology  
**RESOURCE PROTECTION WELL REPORT**

**CURRENT Notice of Intent No.** SE-45009/AE-16964

(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: \_\_\_\_\_

Property Owner WSDOT

Consulting Firm WSDOT

Site Address mcloughlin and I-5

Unique Ecology Well IDTag No. \_\_\_\_\_

City \_\_\_\_\_ County Clark

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.

Location NW 1/4-1/4 NW 1/4 Sec 27 Twn 2n R \_\_\_\_\_

EWM  or WWM

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

Driller  Engineer  Trainee  
Name (Print Last, First Name) Wilson, Jamie

Tax Parcel No. \_\_\_\_\_

Driller/Engineer /Trainee Signature [Signature]  
Driller or Trainee License No. 2947

Cased or  Uncased Diameter 4" Static Level \_\_\_\_\_

Work/Decommission Start Date 4/11/2012

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

Work/Decommission Completed Date 4/11/2012

Construction Design	Well Data	Formation Description
		0 - 14 ft Sand
		14 - 19 ft Sand with silt
		19 - 56 ft Sand
		56 - 60.5 ft Gravel with sand and silt

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APR 24 2012  
WA State Department  
of Ecology (SWRO)

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

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Please print, sign and return to the Department of Ecology

# RESOURCE PROTECTION WELL REPORT

CURRENT Notice of Intent No. AE23410

(SUBMIT ONE WELL REPORT PER WELL INSTALLED)

Construction/Decommission ("x" in box)

- Construction
- Decommission

497026

ORIGINAL INSTALLATION Notice of Intent Number

SE49203

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

Unique Ecology Well IDTag No \_\_\_\_\_

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) Dennis, James

Driller/Engineer /Trainee Signature James Dennis

Driller or Trainee License No 3145

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

Type of Well ("x" in box)

- Resource Protection
- Geotech Soil Boring

Property Owner O&M Hidden LLC

Site Address W 15<sup>th</sup> & W Mill Plan

City Vancouver County Clark

Location NW1/4-1/4 NW1/4 Sec 27 Twn 2N R 1E

EWM  or WWM

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

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

Tax Parcel No \_\_\_\_\_

Cased or Uncased Diameter 8" Static Level None

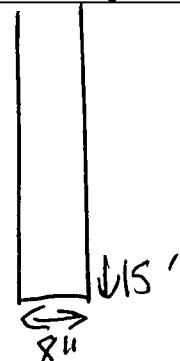
Work/Decommission Start Date 8/29/13

Work/Decommission Completed Date 8/29/13

### Construction Design

### Well Data

### Formation Description

	<p>Decommissioned (1) 15' hollow stem auger boring using (7) 50lb sacks bentonite chips 15-0'</p>	<p>Sand 0-14' Gravel 14-15' Boring decommissioned as described under well data</p>
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SEP 26 2013

WA State Department of Ecology (SWRO)

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# RESOURCE PROTECTION WELL REPORT

CURRENT Notice of Intent No. AE23410

(SUBMIT ONE WELL REPORT PER WELL INSTALLED)

Construction/Decommission ("x" in box)

- Construction
- Decommission

*497825*

ORIGINAL INSTALLATION Notice of Intent Number

SE49203

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

Unique Ecology Well IDTag No \_\_\_\_\_

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) Dennis, James

Driller/Engineer /Trainee Signature *James Dennis*

Driller or Trainee License No 3145

Type of Well ("x" in box)

- Resource Protection
- Geotech Soil Boring

Property Owner O&M Hidden LLC

Site Address W 15<sup>th</sup> & W Mill Plain

City Vancouver County Clark

Location NW1/4-1/4 NW1/4 Sec 27 TwN 2N R 1E

EWM  or WWM

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

Tax Parcel No \_\_\_\_\_

Cased or Uncased Diameter 8" Static Level None

Work/Decommission Start Date 8/29/13

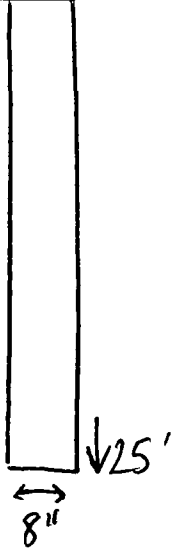
Work/Decommission Completed Date 8/29/13

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

### Construction Design

### Well Data

### Formation Description

	<p>Decommissioned (1) 25' hollow stem auger boring using (10) 50lb sacks bentonite chips 25-2', Gravel 2-3", Asphalt 3"-0</p>	<p>Asphalt 0-3" Sand 3"-17' Gravel 17-25 Boring decommissioned as described under well data</p> <p style="text-align: center;"><b>RECEIVED</b></p> <p style="text-align: center;">SEP 26 2013</p> <p style="text-align: center;">WA State Department of Ecology (SWRO)</p>
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Please print, sign and return to the Department of Ecology

# RESOURCE PROTECTION WELL REPORT

CURRENT Notice of Intent No. AE23410

(SUBMIT ONE WELL REPORT PER WELL INSTALLED)

Construction/Decommission ("x" in box)

- Construction
- Decommission

497024

ORIGINAL INSTALLATION Notice of Intent Number

SE49203

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

Unique Ecology Well IDTag No \_\_\_\_\_

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) Dennis, James

Driller/Engineer /Trainee Signature James Dennis

Driller or Trainee License No 3145

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

Type of Well ("x" in box)

- Resource Protection
- Geotech Soil Boring

Property Owner O&M Hidden LLC

Site Address W 15<sup>th</sup> & W Mill Plain

City Vancouver County Clark

Location NW1/4-1/4 NW1/4 Sec 27 Twn 2N R 1E

EWM  or WWM

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

Tax Parcel No \_\_\_\_\_

Cased or Uncased Diameter 8" Static Level None

Work/Decommission Start Date 8/29/13

Work/Decommission Completed Date 8/29/13

### Construction Design

### Well Data

### Formation Description

<p style="text-align: center;">8" 20'</p>	<p>Decommissioned (1) 20' hollow stem auger boring using (10) 50lb sacks bentonite chips 25-0'</p>	<p>Sand 0-18' Gravel 18-20' Boring decommissioned as described under well data</p>
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# RESOURCE PROTECTION WELL REPORT

CURRENT Notice of Intent No. **AE23410**

(SUBMIT ONE WELL REPORT PER WELL INSTALLED)

Construction/Decommission ("x" in box)

- Construction
- Decommission

497023

ORIGINAL INSTALLATION Notice of Intent Number

SE49203

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

Unique Ecology Well IDTag No \_\_\_\_\_

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) Dennis, James

Driller/Engineer /Trainee Signature James Dennis

Driller or Trainee License No 3145

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

Type of Well ("x" in box)

- Resource Protection
- Geotech Soil Boring

Property Owner O&M Hidden LLC

Site Address W 15<sup>th</sup> & W Mill Plain

City Vancouver County Clark

Location NW1/4-1/4 NW1/4 Sec 27 Twn 2N R 1E

EWM  or WWM

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

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

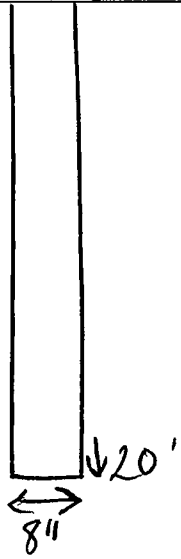
Tax Parcel No \_\_\_\_\_

Cased or Uncased Diameter 8" Static Level None

Work/Decommission Start Date 8/29/13

Work/Decommission Completed Date 8/29/13

### Construction Design



### Well Data

Decommissioned (1) 20' hollow stem auger boring using (10) 50lb sacks bentonite chips 25-0'

### Formation Description

Sand 0-18'  
Gravel 18-20'  
Boring decommissioned as described under well data

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# RESOURCE PROTECTION WELL REPORT

CURRENT Notice of Intent No. AE23410

(SUBMIT ONE WELL REPORT PER WELL INSTALLED)

Construction/Decommission ("x" in box)

- Construction
- Decommission

497022

Type of Well ("x" in box)

- Resource Protection
- Geotech Soil Boring

ORIGINAL INSTALLATION Notice of Intent Number

SE49203

Property Owner O&M Hidden LLC

Site Address W 15<sup>th</sup> & W Mill Plain

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

City Vancouver

County Clark

Unique Ecology Well IDTag No \_\_\_\_\_

Location NW1/4-1/4 NW1/4 Sec 27 Twn 2N R 1E

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

EWM  or WWM

- Driller
- Engineer
- Trainee

Name (Print Last, First Name) Dennis, James

Driller/Engineer /Trainee Signature James Dennis

Driller or Trainee License No 3145

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

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

Tax Parcel No \_\_\_\_\_

Cased or Uncased Diameter 8" Static Level None

Work/Decommission Start Date 8/29/13

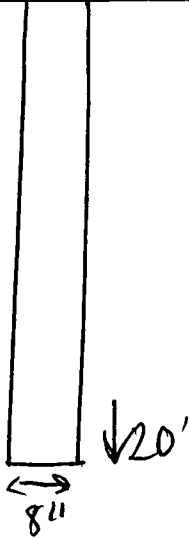
Work/Decommission Completed Date 8/29/13

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

### Construction Design

### Well Data

### Formation Description



Decommissioned (1) 20' hollow stem auger boring using (10) 50lb sacks bentonite chips 25-0'

Sand 0-17'  
Gravel 17-20'  
Boring decommissioned as described under well data

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WA State Department of Ecology (SWRO)

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# RESOURCE PROTECTION WELL REPORT

CURRENT Notice of Intent No SE49203

(SUBMIT ONE WELL REPORT PER WELL INSTALLED)

Construction/Decommission ("x" in box)

- Construction
- Decommission

497021

ORIGINAL INSTALLATION Notice of Intent Number

Type of Well ("x" in box)

- Resource Protection
- Geotech Soil Boring

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

Unique Ecology Well IDTag No \_\_\_\_\_

Property Owner O&M Hidden LLC

Site Address W 15<sup>th</sup> & W Mill Plam

City Vancouver County Clark

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  Traine

Name (Print Last, First Name) Dennis, James

Driller/Engineer /Traine Signature James Dennis

Driller or Traine License No 3145

Location NW1/4-1/4 NW1/4 Sec 27 TwN 2N R 1E

EWM  or WWM

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

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

Tax Parcel No \_\_\_\_\_

Cased or Uncased Diameter 8" Static Level None

Work/Decommission Start Date 8/29/13

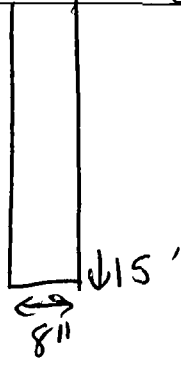
Work/Decommission Completed Date 8/29/13

If traine, licensed driller's Signature and License Number.

### Construction Design

### Well Data

### Formation Description

	<p>Drilled (1) 15' hollow stem auger boring for geotechnical purposes</p>	<p>Sand 0-14' Gravel 14-15'</p> <p style="text-align: center;"><b>RECEIVED</b> SEP 26 2013 WA State Department of Ecology (SWRO)</p>
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# RESOURCE PROTECTION WELL REPORT

CURRENT Notice of Intent No SE49203

(SUBMIT ONE WELL REPORT PER WELL INSTALLED)

Construction/Decommission ("x" in box)

- Construction
- Decommission

497020

ORIGINAL INSTALLATION Notice of Intent Number

Type of Well ("x" in box)

- Resource Protection
- Geotech Soil Boring

Consulting Firm \_\_\_\_\_  
 Unique Ecology Well IDTag No \_\_\_\_\_

Property Owner O&M Hidden LLC  
 Site Address W 15<sup>th</sup> & W Mill Plain  
 City Vancouver County Clark

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

Location NW1/4-1/4 NW1/4 Sec 27 Twn 2N R 1E  
 EWM  or WWM

Driller  Engineer  Trainee  
 Name (Print Last, First Name) Dennis, James  
 Driller/Engineer /Trainee Signature James Dennis  
 Driller or Trainee License No 3145

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

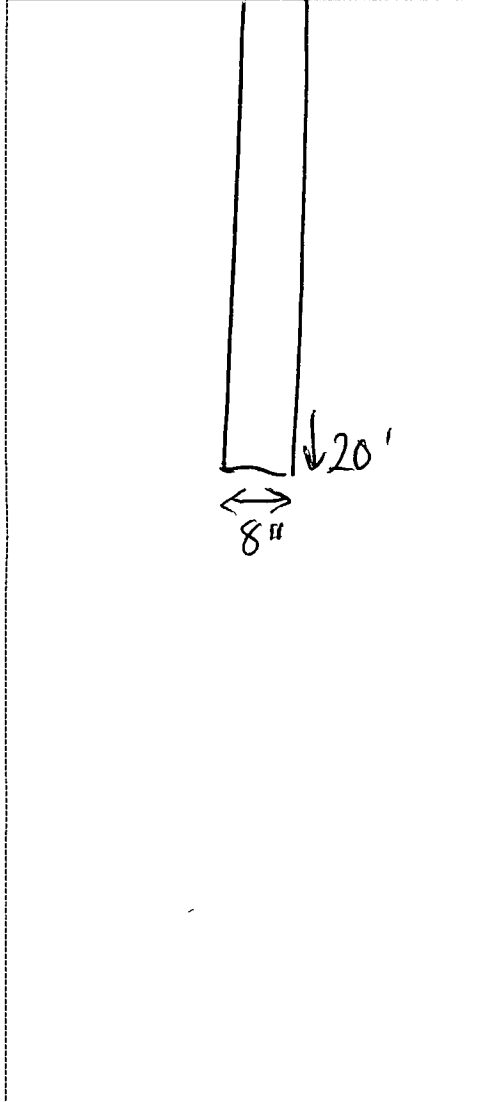
Tax Parcel No \_\_\_\_\_  
 Cased or Uncased Diameter 8" Static Level None  
 Work/Decommission Start Date 8/29/13  
 Work/Decommission Completed Date 8/29/13

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

### Construction Design

### Well Data

### Formation Description



Drilled (1) 20' hollow stem auger boring for geotechnical purposes

Sand 0-17'  
 Gravel 17-20'

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WA State Department of Ecology (SWRO)

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

Please print, sign and return to the Department of Ecology

# RESOURCE PROTECTION WELL REPORT

CURRENT Notice of Intent No SE49203

(SUBMIT ONE WELL REPORT PER WELL INSTALLED)

Construction/Decommission ("x" in box)

- Construction
- Decommission

497019

ORIGINAL INSTALLATION Notice of Intent Number

Type of Well ("x" in box)

- Resource Protection
- Geotech Soil Boring

Consulting Firm \_\_\_\_\_  
 Unique Ecology Well IDTag No \_\_\_\_\_

Property Owner O&M Hidden LLC  
 Site Address W 15<sup>th</sup> & W Mill Plain  
 City Vancouver County Clark

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

Location NW1/4-1/4 NW1/4 Sec 27 Twn 2N R 1E  
 EWM  or WWM

Driller  Engineer  Trainee  
 Name (Print Last, First Name) Dennis, James  
 Driller/Engineer /Trainee Signature James Dennis  
 Driller or Trainee License No 3145

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

Tax Parcel No \_\_\_\_\_  
 Cased or Uncased Diameter 8" Static Level None  
 Work/Decommission Start Date 8/29/13  
 Work/Decommission Completed Date 8/29/13

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

### Construction Design

### Well Data

### Formation Description

	<p>Drilled (1) 20' hollow stem auger boring for geotechnical purposes</p>	<p>Sand 0-18' Gravel 18-20'</p>
--	---	-------------------------------------

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SEP 26 2013

WA State Department of Ecology (SWRO)

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Please print, sign and return to the Department of Ecology

# RESOURCE PROTECTION WELL REPORT

CURRENT Notice of Intent No. SE49203

(SUBMIT ONE WELL REPORT PER WELL INSTALLED)

Construction/Decommission ("x" in box)

- Construction
- Decommission

497018

ORIGINAL INSTALLATION Notice of Intent Number

Type of Well ("x" in box)

- Resource Protection
- Geotech Soil Boring

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

Umque Ecology Well IDTag No \_\_\_\_\_

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) Dennis, James

Driller/Engineer /Trainee Signature James Dennis

Driller or Trainee License No 3145

Property Owner O&M Hidden LLC

Site Address W 15<sup>th</sup> & W Mill Plam

City Vancouver County Clark

Location NW1/4-1/4 NW1/4 Sec 27 Twn 2N R 1E

EWM  or WWM

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

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

Tax Parcel No \_\_\_\_\_

Cased or Uncased Diameter 8" Static Level None

Work/Decommission Start Date 8/29/13


Work/Decommission Completed Date 8/29/13

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

### Construction Design

### Well Data

### Formation Description

	<p>Drilled (1) 20' hollow stem auger boring for geotechnical purposes</p>	<p>Sand 0-18' Gravel 18-20'</p> <p style="text-align: center; font-size: 2em; font-weight: bold;">RECEIVED</p> <p style="text-align: center;">SEP 26 2013</p> <p style="text-align: center;">WA State Department of Ecology (SWRO)</p>
--	---	--

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

Please print, sign and return to the Department of Ecology

# RESOURCE PROTECTION WELL REPORT

CURRENT Notice of Intent No SE49203

(SUBMIT ONE WELL REPORT PER WELL INSTALLED)

Construction/Decommission ("x" in box)

- Construction
- Decommission

497017

ORIGINAL INSTALLATION Notice of Intent Number

Type of Well ("x" in box)

- Resource Protection
- Geotech Soil Boring

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

Unique Ecology Well IDTag No \_\_\_\_\_

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) Dennis, James

Driller/Engineer /Trainee Signature James Dennis

Driller or Trainee License No 3145

If trainee, licensed driller's Signature and License Number

Property Owner O&M Hidden LLC

Site Address W 15<sup>th</sup> & W Mill Plain

City Vancouver County Clark

Location NW1/4-1/4 NW1/4 Sec 27 Twn 2N R 1E

EWM  or WWM

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

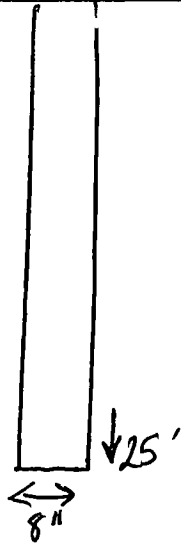
Tax Parcel No \_\_\_\_\_

Cased or Uncased Diameter 8" Static Level None

Work/Decommission Start Date 8/29/13

Work/Decommission Completed Date 8/29/13

### Construction Design



### Well Data

Drilled (1) 25' hollow stem auger boring for geotechnical purposes

### Formation Description

Asphalt 0-3'  
Sand 3"-17'  
Gravel 17-25'

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SEP 26 2013

WA State Department of Ecology (SWRO)

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

# RESOURCE PROTECTION WELL REPORT

CURRENT Notice of Intent No. A 112026

(SUBMIT ONE WELL REPORT PER WELL INSTALLED)

Construction/Decommission (select one)

Construction

Decommission ORIGINAL INSTALLATION Notice

198071 of Intent Number S 23022

Consulting Firm CARLSON GEOTECHNICAL

Unique Ecology Well ID

Tag No. B-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) WARREN MCCANN

Driller/Engineer /Trainee Signature Warren

Driller or Trainee License No. 2460

If trainee, licensed driller's

Signature and License No. 2460

Type of Well (select one)

Resource Protection

Geotech Soil Boring

Property Owner SWARTZ STEELE

Site Address 1200 N. 13TH STREET

City VANCOUVER County CLARK

Location NW1/4-1/4 NW1/4 Sec 27 Twn 2 R 1  EWM  WWM

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

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

Tax Parcel No. \_\_\_\_\_

Cased or Uncased Diameter 8 Static Level NONE

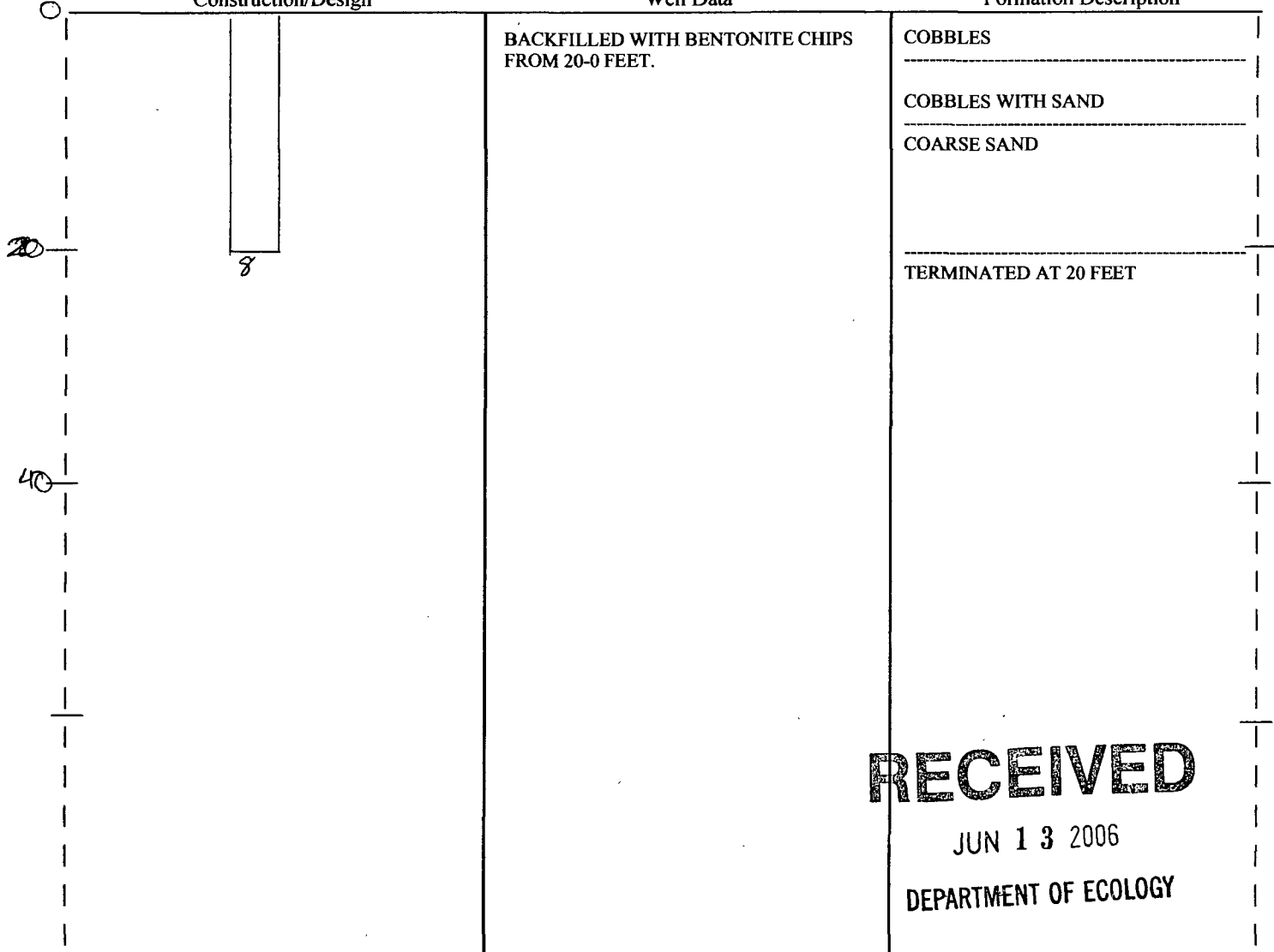
Work/Decommission Start Date 06/01/06

Work/Decommission Completed Date 06/01/06

### Construction/Design

### Well Data

### Formation Description



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Please print, sign and return by mail to Department of Ecology

# RESOURCE PROTECTION WELL REPORT

CURRENT Notice of Intent No. A 112026

(SUBMIT ONE WELL REPORT PER WELL INSTALLED)

Construction/Decommission (select one)

Construction

Decommission ORIGINAL INSTALLATION Notice

198070 of Intent Number S 23022

Consulting Firm CARLSON GEOTECHNICAL

Unique Ecology Well ID

Tag No. B-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) WARREN MCCANN

Driller/Engineer /Trainee Signature Warren

Driller or Trainee License No. 2460

If trainee, licensed driller's

Signature and License No. 2460

Type of Well (select one)

Resource Protection

Geotech Soil Boring

Property Owner SWARTZ STEELE

Site Address 1200 N. 13TH STREET

City VANCOUVER County CLARK

Location NW1/4-1/4 NW1/4 Sec 27 Twn 2 R 1  EWM  WWM

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

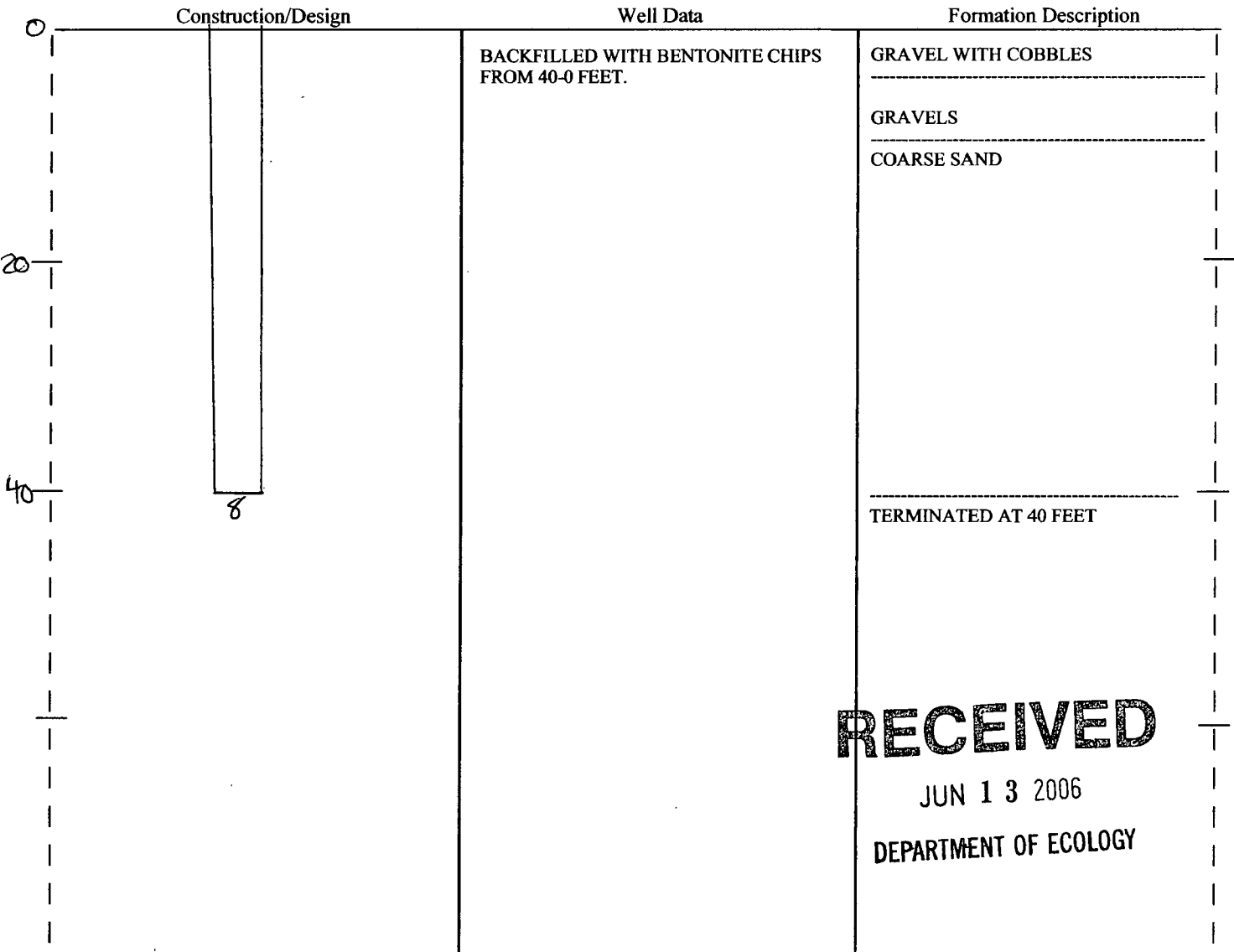
still REQUIRED) Long Deg \_\_\_\_\_ Long Min/Sec \_\_\_\_\_

Tax Parcel No. \_\_\_\_\_

Cased or Uncased Diameter 8 Static Level NONE

Work/Decommission Start Date 06/01/06

Work/Decommission Completed Date 06/01/06



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SCALE: 1"= 20

PAGE 1 OF 1

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# RESOURCE PROTECTION WELL REPORT

CURRENT Notice of Intent No. A 112026

(SUBMIT ONE WELL REPORT PER WELL INSTALLED)

Construction/Decommission (select one)

Construction

Decommission ORIGINAL INSTALLATION Notice

Type of Well (select one)

Resource Protection

Geotech Soil Boring

198069 of Intent Number S 23022

Consulting Firm CARLSON GEOTECHNICAL

Unique Ecology Well ID

Tag No. B-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) WARREN MCCANN

Driller/Engineer /Trainee Signature Warren

Driller or Trainee License No. 2460

If trainee, licensed driller's

Signature and License No. 2460

Property Owner SWARTZ STEELE

Site Address 1200 N. 13TH STREET

City VANCOUVER County CLARK

Location NW1/4-1/4 NW1/4 Sec 27 Twn 2 R 1 Select One  EWM  WWM

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

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

Tax Parcel No. \_\_\_\_\_

Cased or Uncased Diameter 8 Static Level NONE

Work/Decommission Start Date 06/01/06

Work/Decommission Completed Date 06/01/06

### Construction/Design

### Well Data

### Formation Description

BACKFILLED WITH BENTONITE CHIPS FROM 20-0 FEET.

COBBLES

COBBLES WITH SAND

COARSE SAND

TERMINATED AT 20 FEET

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Please print, sign and return by mail to Department of Ecology

# RESOURCE PROTECTION WELL REPORT

CURRENT Notice of Intent No. S 23022

(SUBMIT ONE WELL REPORT PER WELL INSTALLED)

Construction/Decommission (select one)

- Construction
- Decommission ORIGINAL INSTALLATION Notice

198068 of Intent Number \_\_\_\_\_

Consulting Firm CARLSON GEOTECHNICAL

Unique Ecology Well ID \_\_\_\_\_

Tag No. B-3

Type of Well (select one)

- Resource Protection
- Geotech Soil Boring

Property Owner SWARTZ STEELE

Site Address 1200 N. 13TH STREET

City VANCOUVER County CLARK

Location NW1/4-1/4 NW 1/4 Sec 27 Twn 2 R 1 Select One  EWM  WWM

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.

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

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

Tax Parcel No. \_\_\_\_\_

Cased or Uncased Diameter 8 Static Level NONE

Work/Decommission Start Date 06/01/06

Work/Decommission Completed Date 06/01/06

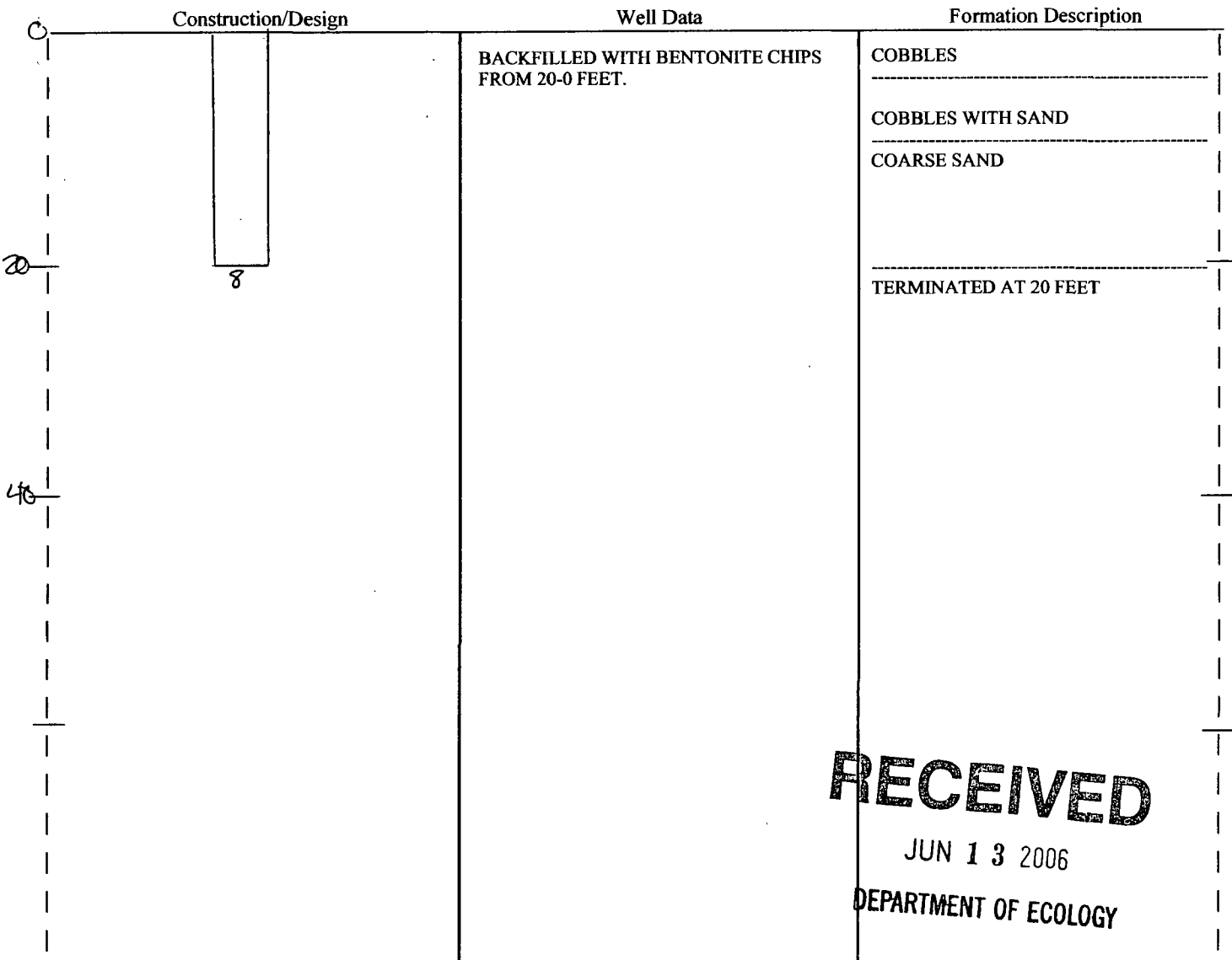
Driller  Engineer  Trainee Name (Print) WARREN MCCANN

Driller/Engineer /Trainee Signature Warren

Driller or Trainee License No. 2460

If trainee, licensed driller's \_\_\_\_\_

Signature and License No. 2460



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 DEPARTMENT OF ECOLOGY

SCALE: 1"= 20'

PAGE 1 OF 1

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Please print, sign and return by mail to Department of Ecology

# RESOURCE PROTECTION WELL REPORT

CURRENT Notice of Intent No. S 23022

(SUBMIT ONE WELL REPORT PER WELL INSTALLED)

Construction/Decommission (select one)

Construction

Decommission ORIGINAL INSTALLATION Notice

198067 of Intent Number

Consulting Firm CARLSON GEOTECHNICAL

Unique Ecology Well ID

Tag No. B-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) WARREN MCCANN

Driller/Engineer /Trainee Signature Warren

Driller or Trainee License No. 2460

If trainee, licensed driller's

Signature and License No. 2460

Type of Well (select one)

Resource Protection

Geotech Soil Boring

Property Owner SWARTZ STEELE

Site Address 1200 N. 13TH STREET

City VANCOUVER County CLARK

Location NW1/4-1/4 NW1/4 Sec 27 Twn 2 R 1  EWM  WWM

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

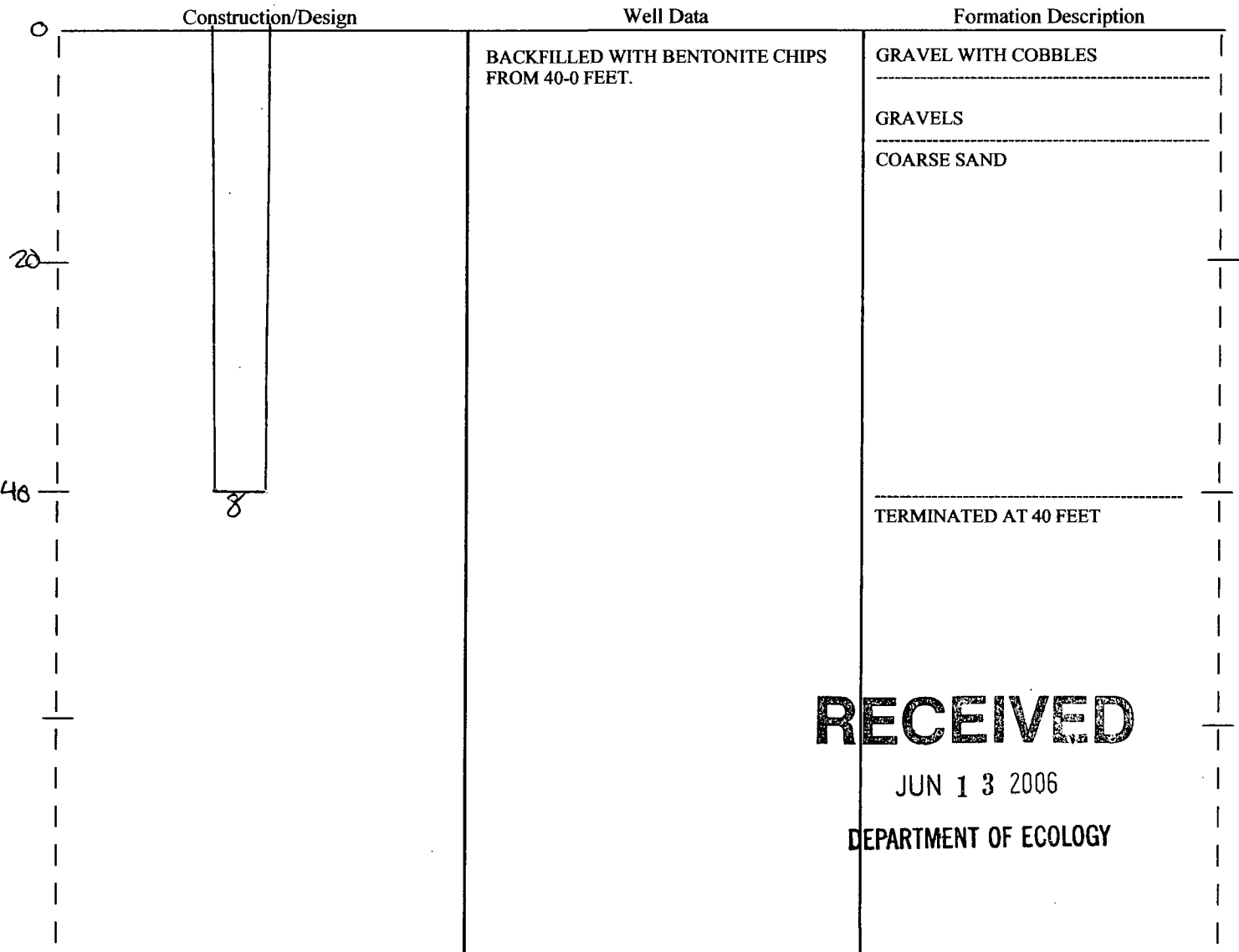
still REQUIRED) Long Deg \_\_\_\_\_ Long Min/Sec \_\_\_\_\_

Tax Parcel No. \_\_\_\_\_

Cased or Uncased Diameter 8 Static Level NONE

Work/Decommission Start Date 06/01/06

Work/Decommission Completed Date 06/01/06



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DEPARTMENT OF ECOLOGY

SCALE: 1"= 20

PAGE 1 OF 1

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Please print, sign and return by mail to Department of Ecology

# RESOURCE PROTECTION WELL REPORT

CURRENT Notice of Intent No. S 23022

(SUBMIT ONE WELL REPORT PER WELL INSTALLED)

Construction/Decommission (select one)

Construction

Decommission ORIGINAL INSTALLATION Notice

98066 of Intent Number \_\_\_\_\_

Consulting Firm CARLSON GEOTECHNICAL

Unique Ecology Well ID \_\_\_\_\_

Tag No. B-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) WARREN MCCANN

Driller/Engineer /Trainee Signature Warren

Driller or Trainee License No. 2460

If trainee, licensed driller's  
Signature and License No. 2460

Type of Well (select one)

Resource Protection

Geotech Soil Boring

Property Owner SWARTZ STEELE

Site Address 1200 N. 13TH STREET

City VANCOUVER County CLARK

Location NW1/4-1/4 NW 1/4 Sec 27 Twn 2 R 1 Select One  EWM  WWM

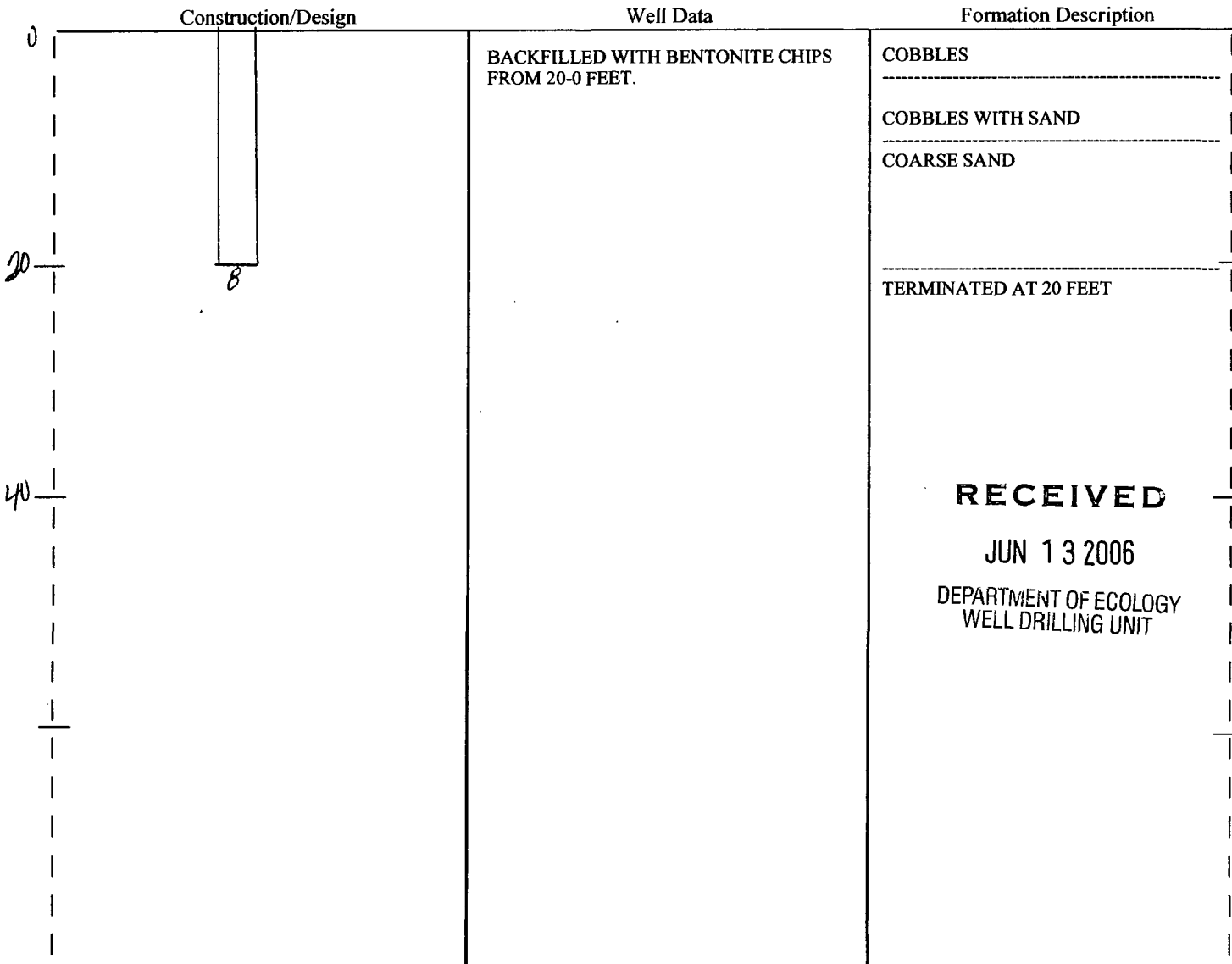
Lat/Long (s, t, r still REQUIRED) Lat Deg \_\_\_\_\_ Lat Min/Sec \_\_\_\_\_  
Long Deg \_\_\_\_\_ Long Min/Sec \_\_\_\_\_

Tax Parcel No. \_\_\_\_\_

Cased or Uncased Diameter 8 Static Level NONE

Work/Decommission Start Date 06/01/06

Work/Decommission Completed Date 06/01/06



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DEPARTMENT OF ECOLOGY  
WELL DRILLING UNIT

SCALE: 1"= 20'

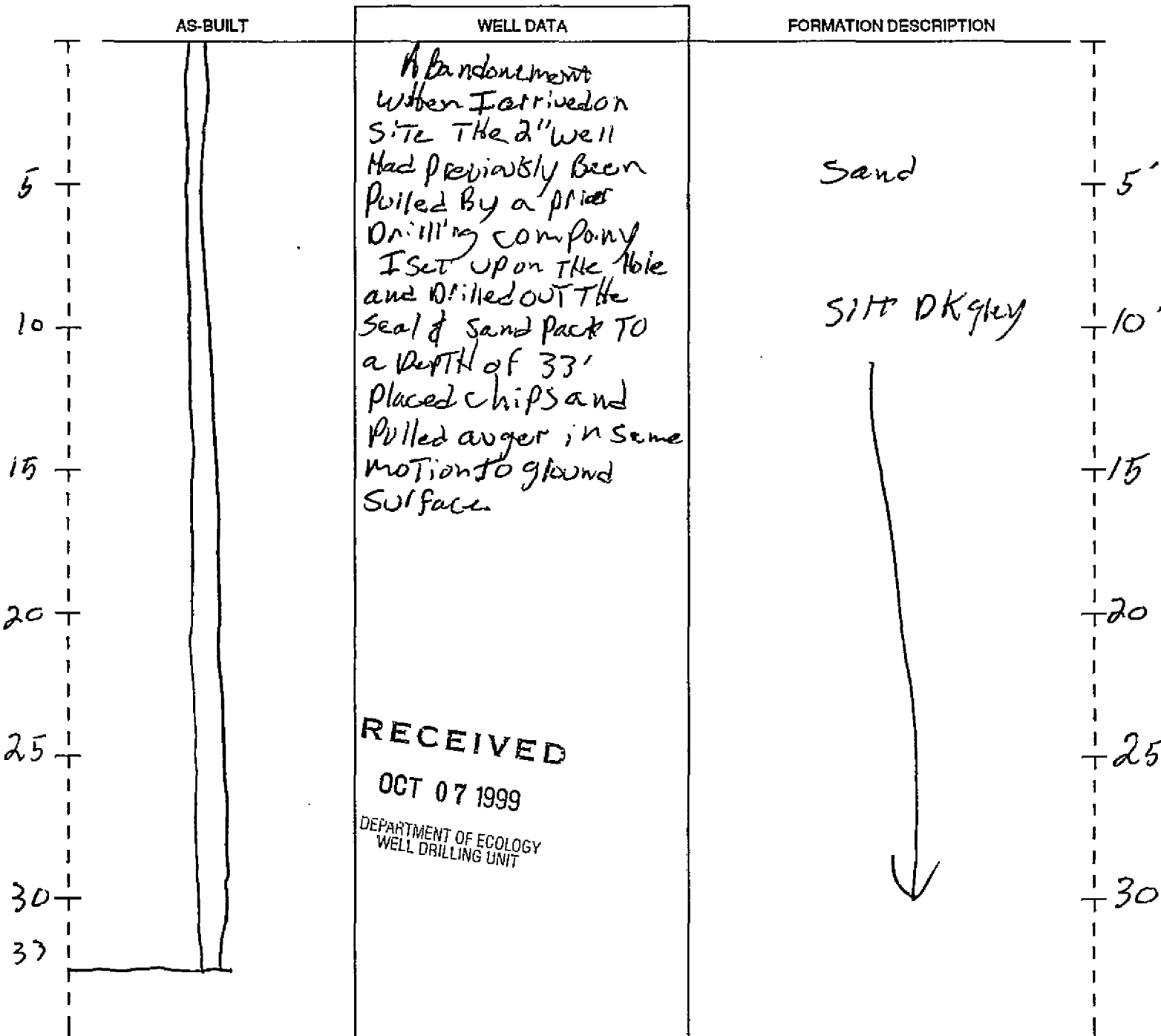
PAGE 1 OF 1

# RESOURCE PROTECTION WELL REPORT

START CARD NO. A16401

PROJECT NAME: Wubben Bros Vancouver Plywood COUNTY: Clark  
 WELL IDENTIFICATION NO. \_\_\_\_\_ LOCATION: NW 1/4 NW 1/4 Sec 27 Twn 2N R 1E  
 DRILLING METHOD: Hollow Stem Auger STREET ADDRESS OF WELL: \_\_\_\_\_  
 DRILLER: Steven Richard NW Port Way, Vancouver  
 FIRM: Geophysical Explorations WATER LEVEL ELEVATION: Unknown  
 SIGNATURE: [Signature] GROUND SURFACE ELEVATION: \_\_\_\_\_  
 CONSULTING FIRM: Matt Foster INSTALLED: Abandonment 9-7-99  
 REPRESENTATIVE: Todd Kline DEVELOPED: \_\_\_\_\_

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.



SCALE: 1" = 5' PAGE 1 OF 1

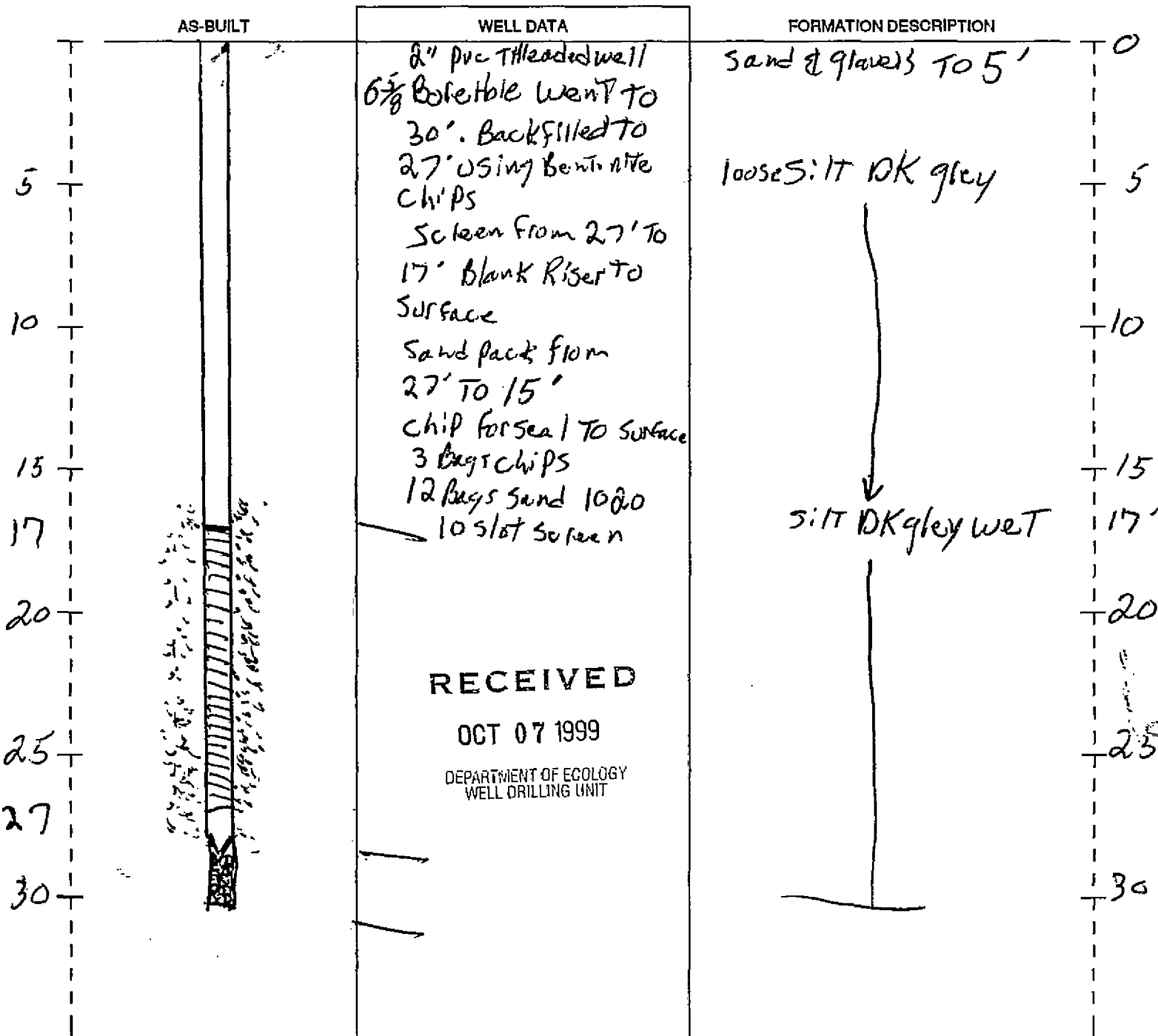
The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

## RESOURCE PROTECTION WELL REPORT

START CARD NO. R041090

PROJECT NAME: Vancouver Plywood  
Wubben Bros  
 WELL IDENTIFICATION NO. AET 323  
 DRILLING METHOD: Hollow Stem Auger  
 DRILLER: Steven Richard  
 FIRM: Geo Tech Explorations  
 SIGNATURE: [Signature]  
 CONSULTING FIRM: Maul Foster  
 REPRESENTATIVE: Todd Kline

COUNTY: CLARK  
 LOCATION: NW 1/4 NW 1/4 Sec 21 Twn 2N R 1E  
 STREET ADDRESS OF WELL: NW Fort Way, Vancouver  
 WATER LEVEL ELEVATION: 17' BGS  
 GROUND SURFACE ELEVATION: \_\_\_\_\_  
 INSTALLED: 9-7-99  
 DEVELOPED: V/A Surged



**From:** Jill Betts hydrogeojill@gmail.com  
**Subject:** Fwd:  
**Date:** March 24, 2016 at 2:48 PM  
**To:** jill@colesandbetts.com



----- Forwarded message -----

**From:** Cook, Jason (ECY) <[ASCO461@ecy.wa.gov](mailto:ASCO461@ecy.wa.gov)>  
**Date:** Thu, Mar 24, 2016 at 2:41 PM  
**Subject:**  
**To:** Jill Betts <[hydrogeojill@gmail.com](mailto:hydrogeojill@gmail.com)>

Hey Jill:

Follow-up from my VM today with the following Sites in the vicinity. I did not pull the files, and do not know if they have impacted groundwater. Also, the well log database hyperlink is attached below.

Hope this helps, I have to go home this flu is horrid!

- Special Events and Convention Center (FSID 87668199).
- Kyungshin Choi Matthieus Car Care (FSID 75145467).
- Pinkertons Auto Repair (FSID 95817965).
- Chuck Tire & Auto Service (FSID 62198439).
- Bill Copps Inc (FSID 62651667)
- Holland Burgerville Property (FSID 11291756)

Well Logs:

<https://fortress.wa.gov/ecy/waterresources/map/WCLSWebMap/default.aspx>


Sincerely:

**Jason G. Cook, LG**  
**Hydrogeologist 3**  
**Washington Department of Ecology**  
**SWRO/TCP**  
[360.407.6528](tel:360.407.6528)

--

Jill Betts, R.G., L.G.  
Principal  
Coles & Betts Environmental Consulting LLC



**From:** ECY RE SWRO Public Disclosure PublicDisclosureSWRO@ECY.WA.GOV   
**Subject:** RE: File Review Request (PDS #34116)  
**Date:** April 28, 2016 at 11:41 AM  
**To:** Jill Betts jill@colesandbetts.com  
**Cc:** Dorn, Carol (ECY) CESG461@ECY.WA.GOV

---

ER

Hi Jill,

Below is what I found for each of the sites you requested. I have appointments available to review the files on Wednesday, May 4<sup>th</sup> at 1:30pm or Thursday, May 5<sup>th</sup> at 9:00am.

1. Special Events and Convention Center (FSID 87668199)
  - Toxic Cleanup
2. Kyungshin Choi Matthieus Car Care (FSID 75145467)
  - Toxic Cleanup
  - Inactive UST 11748
  - Archive
3. Pinkertons Auto Repair (FSID 95817965)
  - Toxic Cleanup
  - Inactive UST 97368
4. Chuck Tire & Auto Service (FSID 62198439)
  - Toxic Cleanup
  - Inactive UST 4221
  - Archive
5. Bill Copps Inc (FSID 62651667)
  - Toxic Cleanup
  - Hazardous Waste Compliance
  - Inactive UST 138
6. Holland Burgerville Property (FSID 11291756)
  - Toxic Cleanup
  - Hazardous Waste Compliance
  - Inactive UST 503257
7. Estate of Mary E Mackay (FSID 1619881)
  - Toxic Cleanup
  - Inactive UST 619042
8. Lahti Property (FSID 23197)
  - Toxic Cleanup
9. Sam's Auto Body (FSID 65278938)
  - Inactive Hazardous Waste Generator – Ecology has not conducted any compliance inspections. Attached are the Site ID forms and Annual Reports.
10. Vancouver City of (FSID 52841299)
  - Toxic Cleanup
  - Inactive UST 200422
  - Archive
11. Board of County Commissioners (FSID 7437031)
  - Water Quality interaction for the Clark County Municipal Stormwater Permit

There are also older files that have already been transferred into the custody of the State Archives

There are also other files that have already been transferred into the custody of the State Archives Office. You will need to contact them directly if you are interested in seeing the files listed below. Archives can be reached at 360-586-1492 or [research@sos.wa.gov](mailto:research@sos.wa.gov). They will need the numbers from the first 2 columns of the table.

Agency Box #	Box Location	File Description	Subject	Start Date	End Date
822	04-A-463	GEM Equipment (Clark County)	Toxic Cleanup	01/01/1991	12/31/1991
822	04-A-463	Good Year Tire Co (Chuck's Auto Service) (Clark County)	Toxic Cleanup	01/01/1992	12/31/1994
854	04-A-463	Vancouver, City of (Abandoned Tanks) (Main St) (Clark County)	Toxic Cleanup	01/01/1994	12/31/1994

Thank you,

*Susie Baxter*

Records and Public Disclosure

Southwest Regional Office

Department of Ecology

[susan.baxter@ecy.wa.gov](mailto:susan.baxter@ecy.wa.gov)

[publicdisclosureSWRO@ecy.wa.gov](mailto:publicdisclosureSWRO@ecy.wa.gov)

(360) 407-6365

---

**From:** Jill Betts [mailto:jill@colesandbetts.com]

**Sent:** Friday, April 22, 2016 2:33 PM

**To:** Baxter, Susan (ECY) <SFLE461@ECY.WA.GOV>

**Subject:** File Review Request

Hi Susan,

Jason Cook forwarded me your contact information, and I am writing to request a file review for the following files:

- Special Events and Convention Center (FSID 87668199).
- Kyungshin Choi Matthieus Car Care (FSID 75145467).
- Pinkertons Auto Repair (FSID 95817965).
- Chuck Tire & Auto Service (FSID 62198439).
- Bill Copps Inc (FSID 62651667)
- Holland Burgerville Property (FSID 11291756)
- Estate of Mary E Mackay (FSID 1619881)
- Lahti Property (FSID 23197)
  
- Sam's Auto Body (FSID 65278938)
- Vancouver City of (FSID 52841299)
- Baord of County Commissioners (FSID 7437031)

Please let me know if you require any additional information.

Please let me know the timeline to pull the files and any available dates for me to view the

please let me also know the timeline to pull the files, and any available dates for me to view the files in your office.

Thank you,

-Jill

**Jill Betts, R.G., L.G.**

Principal

**Coles & Betts Environmental Consulting, LLC**

**Oregon WBE/ESB**

Office: 503-477-6150

Mobile: 503-819-2835

E-mail: [jill@colesandbetts.com](mailto:jill@colesandbetts.com)

Website: [jillbetts.com](http://jillbetts.com)



WAD980837124.pdf

The USA largely consists of Missoula Flood deposits and Columbia River alluvium. The USA in the vicinity of the Site consists of materials of the Pleistocene Alluvial Aquifer (PAA). The regional groundwater flow direction in the USA is to the southwest toward the Columbia River. Horizontal hydraulic conductivity values for the PAA and RAA range over three orders of magnitude with a median of 200 feet per day (USGS, 1996).

### **3.2.2 Local Hydrogeology**

Groundwater has not been encountered at the Property or surrounding areas during any of the investigations performed between 2004 and 2013. The most extensive groundwater assessment was performed in 2013, when three borings were completed to depths ranging between 40 and 55 feet bgs. Monitoring wells were installed in the three borings and gauged for the presence of groundwater four times between August 2013 and March 2014. Groundwater was not encountered in the monitoring wells despite the fact that the wells were gauged during the winter/spring seasons, when groundwater levels are typically highest. The water level gauging and other investigation activities are described in more detail in Section 4.

Boring observations and monitoring well gauging data indicate that groundwater is deeper than 55 feet bgs at the Property. Due to the absence of groundwater in monitoring wells, it is not possible to infer a local groundwater flow direction or gradient. Regionally, however, groundwater flows in a southwesterly direction, toward the Columbia River.

## **4.0 Supplemental Investigation**

An SI was performed at the Property and surrounding areas between August 2013 and March 2014. The SI was performed in accordance with a letter request from Ecology, dated December 4, 2012. The scope and results of the SI are presented below.

### **4.1 Purpose and Objectives**

The purpose of the SI was to further evaluate the potential for hazardous substance impacts to groundwater at the Property. The objective of this work was to: (1) obtain data, which, along with previously collected data, would be sufficient to characterize conditions at the Property; (2) evaluate potential risks to human health and the environment; (3) identify and evaluate remediation alternatives; and (4) prepare a CAP.

### **4.2 Scope of Work**

The scope of the SI consisted of: (1) advancement of three direct-push explorations to depths ranging between 40 and 55 feet bgs; (2) field screening of soil from the borings for indications of hazardous substance impacts; (3) collection and laboratory analysis of soil samples from each boring; (4) installation of

**General Description**

This log describes the well logs for the [Location] which were completed during the [Date] period. The logs were prepared by [Name] and are based on the data collected during the [Date] period. The logs were prepared using the [Software] program.

**Well Description**

The well is located at [Location] and is a [Type] well. The well was drilled to a depth of [Depth] feet. The well is currently [Status].

**Geological Description**

The geological description is based on the logs and is based on the data collected during the [Date] period. The logs were prepared using the [Software] program.

Depth Interval	Standard Penetration Test (SPT) Blows	Soil Description	Soil Moisture	Soil Temperature
0 - 4	10	Very soft	15	65
4 - 8	15	Soft	18	65
8 - 12	20	Medium soft	20	65
12 - 16	25	Stiff	22	65
16 - 20	30	Very stiff	25	65
20 - 24	35	Hard	28	65

**Water Quality**

The water quality is described in the logs and is based on the data collected during the [Date] period. The logs were prepared using the [Software] program.

Parameter	Value	Unit
pH	7.5	
Total Dissolved Solids (TDS)	150	mg/L
Calcium (Ca)	80	mg/L
Magnesium (Mg)	20	mg/L
Sulfate (SO4)	50	mg/L
Chloride (Cl)	10	mg/L
Nitrate (NO3)	0	mg/L

**Sampling Symbols**

- Open wellhead
- Closed wellhead
- Sample collected in [Location]
- △ Sample collected in [Location]
- ▽ Sample collected in [Location]
- ◇ Sample collected in [Location]
- Sample collected in [Location]
- Sample collected in [Location]
- Sample collected in [Location]
- △ Sample collected in [Location]
- ▽ Sample collected in [Location]
- ◇ Sample collected in [Location]

**Notes**

[Notes text]

**Minor Constituents**

Not listed in description.

**Other Data**

Other data collected during the [Date] period.

**Groundwater Quality and Monitoring**

The groundwater quality is described in the logs and is based on the data collected during the [Date] period. The logs were prepared using the [Software] program.

**Appendix B**

**Well Logs**

Site: [Location]

Date: [Date]

Page: [Page]

## Sample Descriptions

Classification of soils in this report is based on visual field and laboratory observations which include density/consistency, moisture condition, and grain size, and should not be construed to imply field nor laboratory testing unless presented herein. Visual-manual classification methods of ASTM D 2488 were used as an identification guide.

Soil descriptions consist of the following:

MAJOR CONSTITUENT with additional remarks; color, moisture, minor constituents, density/consistency.

## Density/Consistency

Soil density/consistency in borings is related primarily to the Standard Penetration Resistance. Soil density/consistency in test pits and push probe explorations is estimated based on visual observation and is presented parenthetically on test pit and push probe exploration logs.

SAND and GRAVEL	Standard Penetration Resistance in Blows/Foot	SILT or CLAY	Standard Penetration Resistance in Blows/Foot	Approximate Shear Strength in TSF
Density		Density		
Very loose	0 - 4	Very soft	0 - 2	<0.125
Loose	4 - 10	Soft	2 - 4	0.125 - 0.25
Medium dense	10 - 30	Medium stiff	4 - 8	0.25 - 0.5
Dense	30 - 50	Stiff	8 - 15	0.5 - 1.0
Very dense	>50	Very Stiff	15 - 30	1.0 - 2.0
		Hard	>30	>2.0

## Moisture

Dry	Little perceptible moisture.
Sl. Moist	Some perceptible moisture, probably below optimum.
Moist	Probably near optimum moisture content.
Wet	Much perceptible moisture, probably above optimum.

## Minor Constituents

Minor Constituents	Estimated Percentage
Not identified in description	0 - 5
Slightly (clayey, silty, etc.)	5 - 12
Clayey, silty, sandy, gravelly	12 - 30
Very (clayey, silty, etc.)	30 - 50

## Sampling Symbols

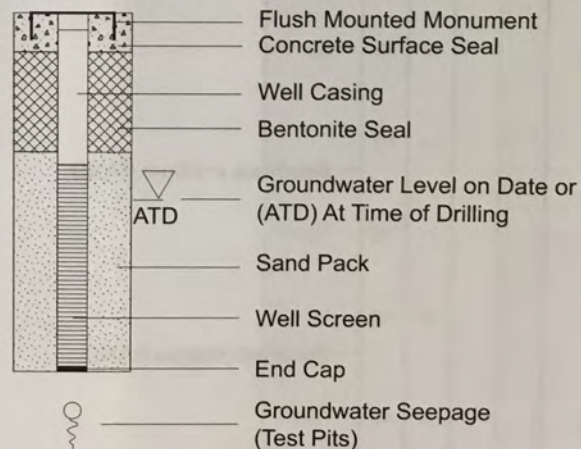
### BORING AND PUSH-PROBE SYMBOLS

	Recovery
	No Recovery
	Temporarily Screened Interval
PID	Photoionization Detector Reading
W	Water Sample
	Sample Submitted for Chemical Analysis
NS	No Sheen
SS	Slight Sheen
MS	Moderate Sheen
HS	Heavy Sheen
BF	Biogenic Film

### TEST PIT SOIL SAMPLES

	Grab (Jar)
	Bag
	Shelby Tube

## Groundwater Observations and Monitoring Well Construction



## Key to Exploration Logs

MacKay Property  
1700 Broadway Street  
Vancouver, Washington



Apex Companies, LLC  
3015 SW First Avenue  
Portland, Oregon 97201

Project Number 2076-00  
March 2014

Figure  
Key



Apex Companies, LLC  
3015 SW First Avenue  
Portland, Oregon 97201

MacKay Property  
1700 Broadway Street  
Vancouver, Washington

Boring Number: **MW-1**

Project Number: **2076-00**

Logged By: **C. Owens**

Date: **August 27, 2013**

Site Conditions: --

Drilling Contractor: **Pacific Soil & Water**

Drilling Equipment: **Truck-Mounted Geoprobe**

Sampler Type: **Geoprobe**

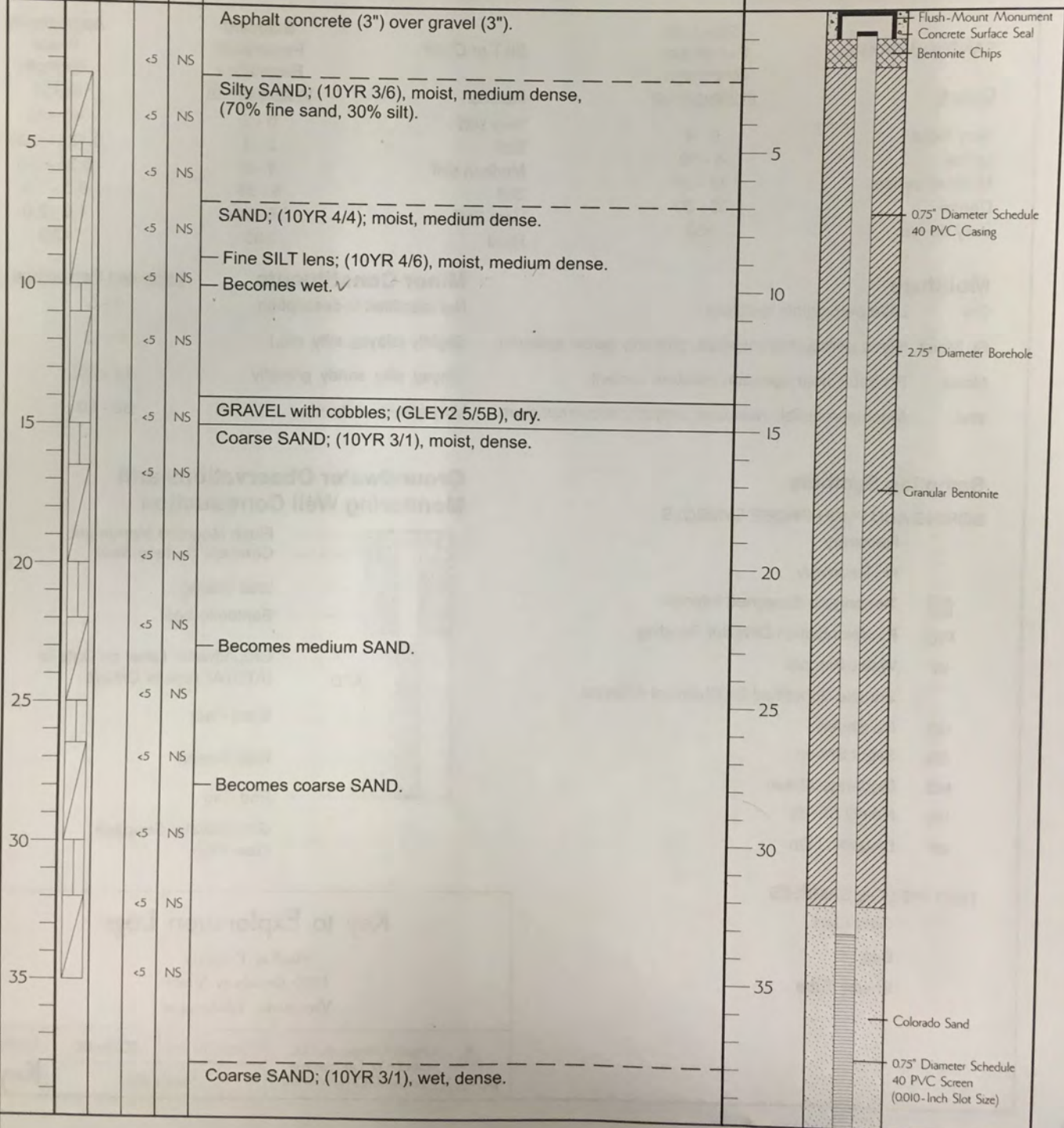
Depth to Water (ATD): --

Surface Elevation: --

Depth, feet  
Core Interval/Recovery  
Laboratory Sample ID  
PID  
Screen

### Lithologic Description

Well Construction Details and Notes:





Apex Companies, LLC  
3015 SW First Avenue  
Portland, Oregon 97201

MacKay Property  
1700 Broadway Street  
Vancouver, Washington

Boring Number: **MW-1**

Project Number: **2076-00**

Logged By: **C. Owens**

Date: **August 27, 2013**

Site Conditions: --

Drilling Contractor: **Pacific Soil & Water**

Drilling Equipment: **Truck-Mounted Geoprobe**

Sampler Type: **Geoprobe**

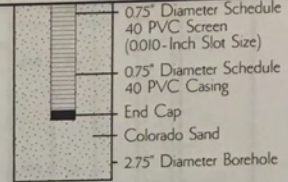
Depth to Water (ATD): --

Surface Elevation: --

Depth, feet  
Core Interval/Recovery  
Laboratory Sample ID  
PID  
Sheen

**Lithologic Description**

**Well Construction Details and Notes:**



Bottom of Boring at 45.0' BGS.

Appendix D

Appendix E

Appendix F

Appendix G

Appendix C





Apex Companies, LLC  
3015 SW First Avenue  
Portland, Oregon 97201

MacKay Property  
1700 Broadway Street  
Vancouver, Washington

Boring Number: **MW-2**

Project Number: **2076-00**

Logged By: **C. Owens**

Date: **August 27, 2013**

Site Conditions: --

Drilling Contractor: **Pacific Soil & Water**

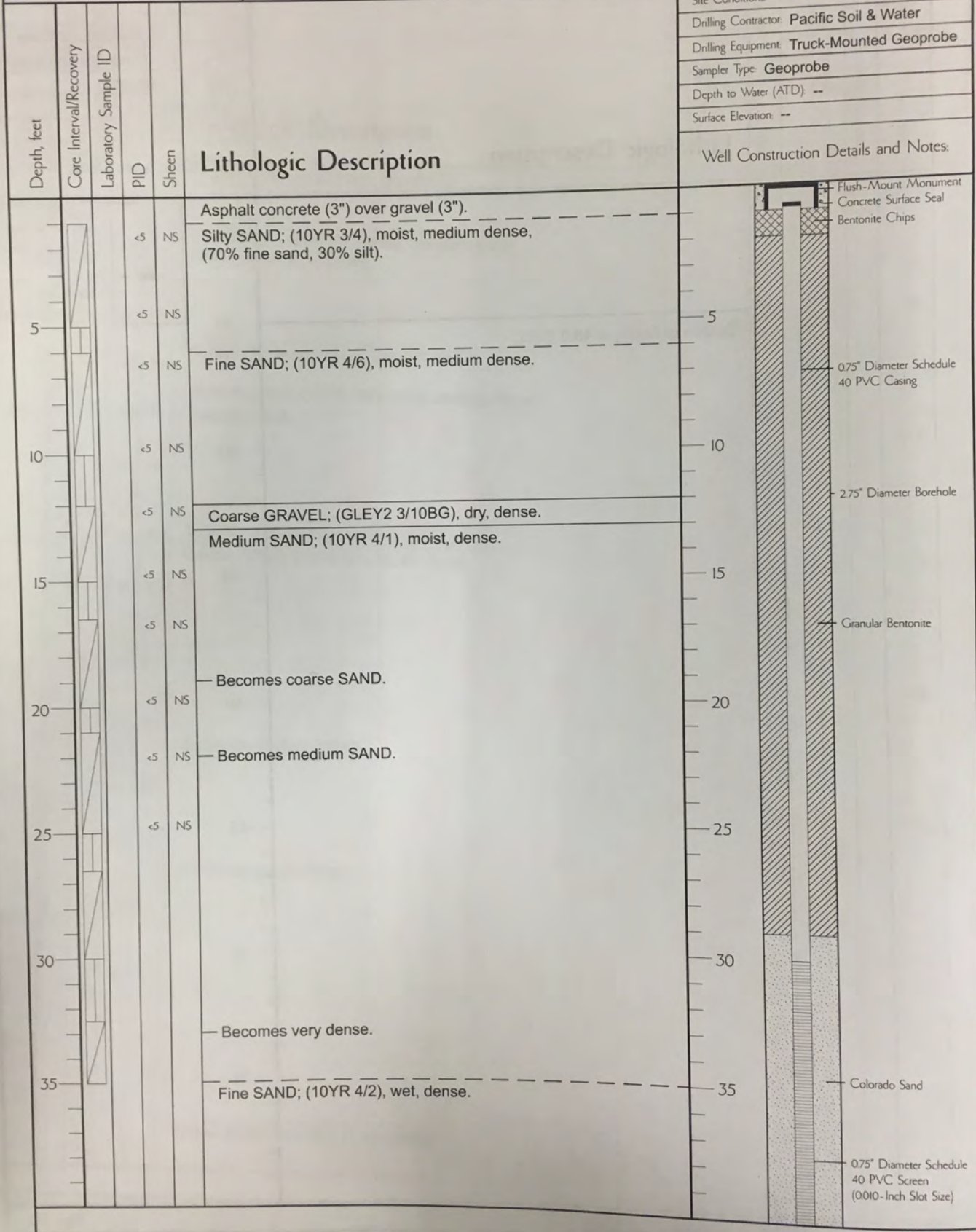
Drilling Equipment: **Truck-Mounted Geoprobe**

Sampler Type: **Geoprobe**

Depth to Water (ATD): --

Surface Elevation: --

Well Construction Details and Notes:





Apex Companies, LLC  
3015 SW First Avenue  
Portland, Oregon 97201

Mackay Property  
1700 Broadway Street  
Vancouver, Washington

Boring Number: **MW-2**

Project Number: **2076-00**

Logged By: **C. Owens**

Date: **August 27, 2013**

Site Conditions: --

Drilling Contractor: **Pacific Soil & Water**

Drilling Equipment: **Truck-Mounted Geoprobe**

Sampler Type: **Geoprobe**

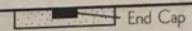
Depth to Water (ATD): --

Surface Elevation: --

Depth, feet  
Core Interval/Recovery  
Laboratory Sample ID  
PID  
Sheen

**Lithologic Description**

Well Construction Details and Notes:



Bottom of Boring at 40.5' BGS.

45

45

50

50

55

55

60

60

65

65

70

70

75

75



Apex Companies, LLC  
3015 SW First Avenue  
Portland, Oregon 97201

MacKay Property  
1700 Broadway Street  
Vancouver, Washington

Boring Number: **MW-3**

Project Number: **2076-00**

Logged By: **C. Owens**

Date: **August 27, 2013**

Site Conditions: --

Drilling Contractor: **Pacific Soil & Water**

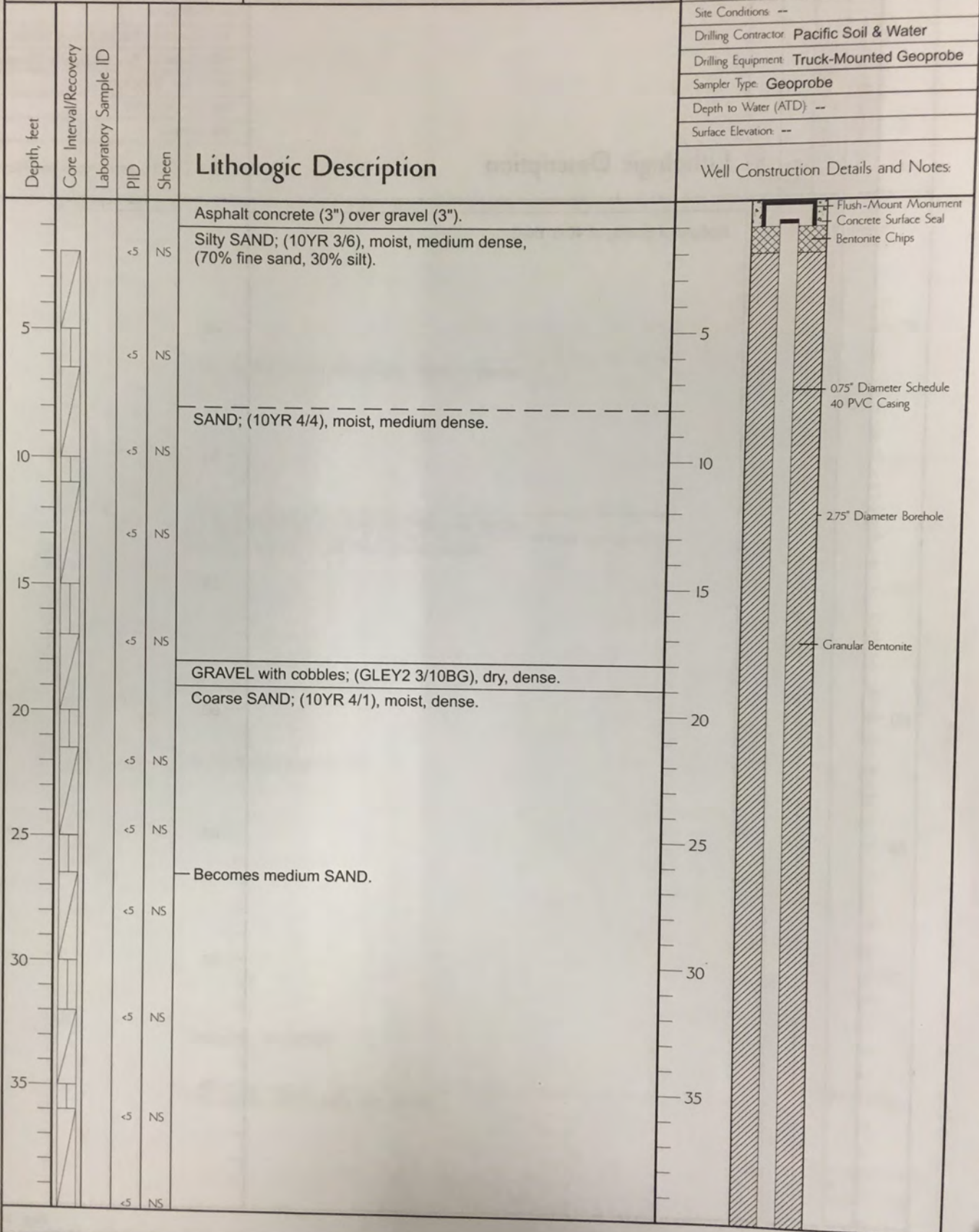
Drilling Equipment: **Truck-Mounted Geoprobe**

Sampler Type: **Geoprobe**

Depth to Water (ATD): --

Surface Elevation: --

Well Construction Details and Notes:





Apex Companies, LLC  
3015 SW First Avenue  
Portland, Oregon 97201

MacKay Property  
1700 Broadway Street  
Vancouver, Washington

Boring Number: **MW-3**

Project Number: **2076-00**

Logged By: **C. Owens**

Date: **August 27, 2013**

Site Conditions: --

Drilling Contractor: **Pacific Soil & Water**

Drilling Equipment: **Truck-Mounted Geoprobe**

Sampler Type: **Geoprobe**

Depth to Water (ATD): --

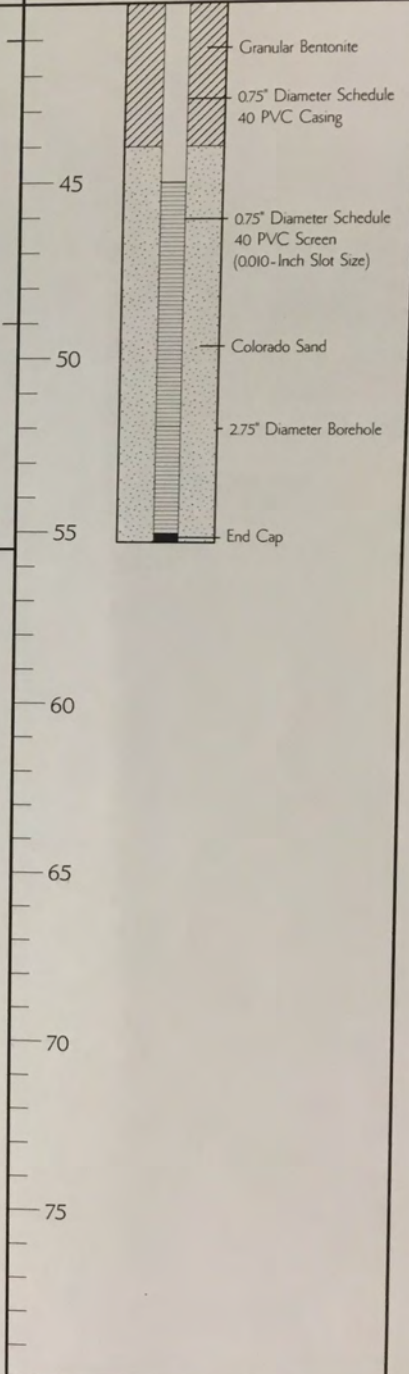
Surface Elevation: --

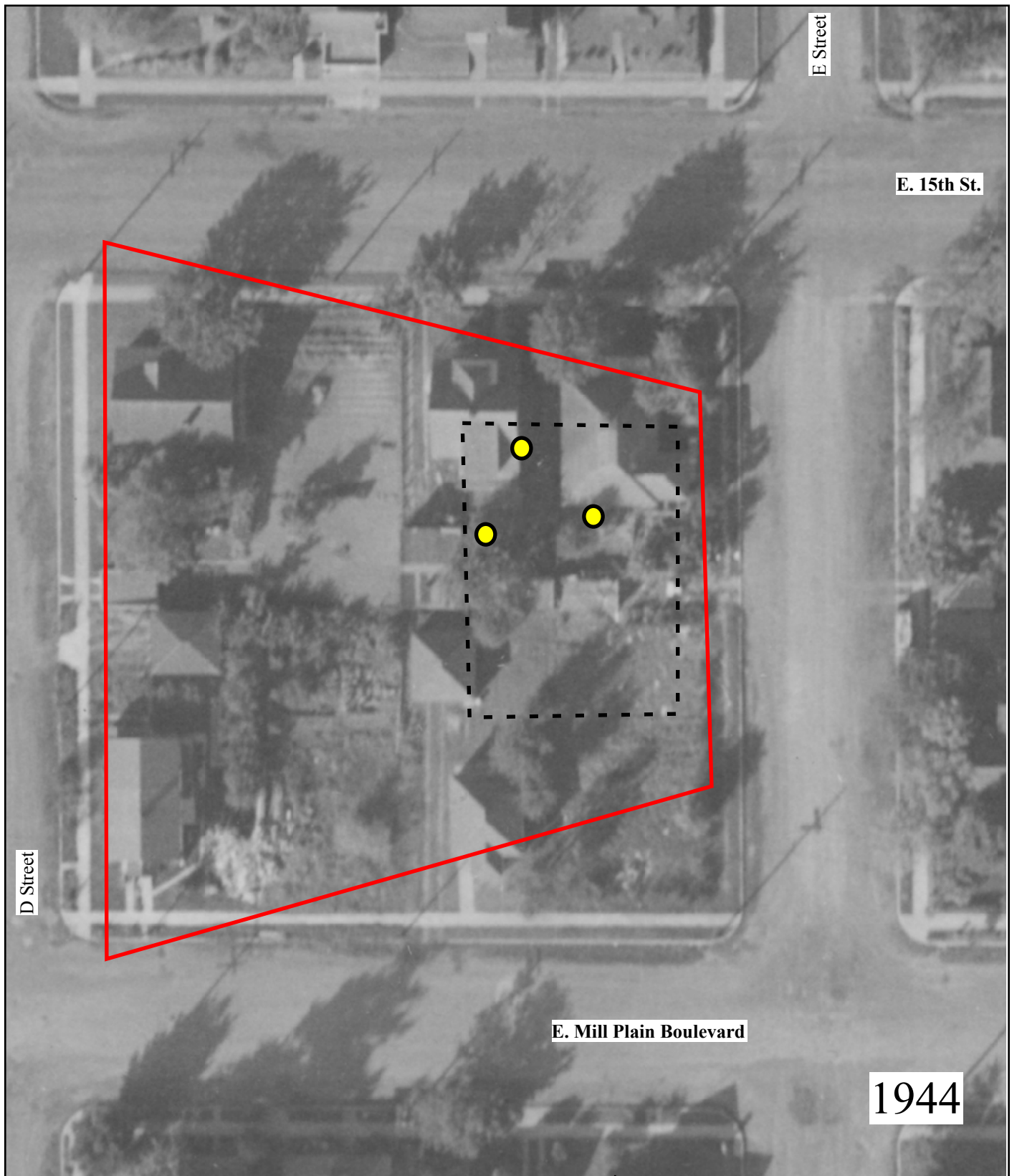
Depth, feet  
Core Interval/Recovery  
Laboratory Sample ID  
PID  
Sheen

**Lithologic Description**

Well Construction Details and Notes:

45		<5	NS	Fine SAND (SP); light brown (10YR 4/3); moist, medium dense.
		<5	NS	
50		<5	NS	SAND (SP); light brown (10YR 4/3), wet.
		<5	NS	
55				Bottom of Boring at 55.5' BGS.








D Street

E Street

E. 15th St.

E. Mill Plain Boulevard

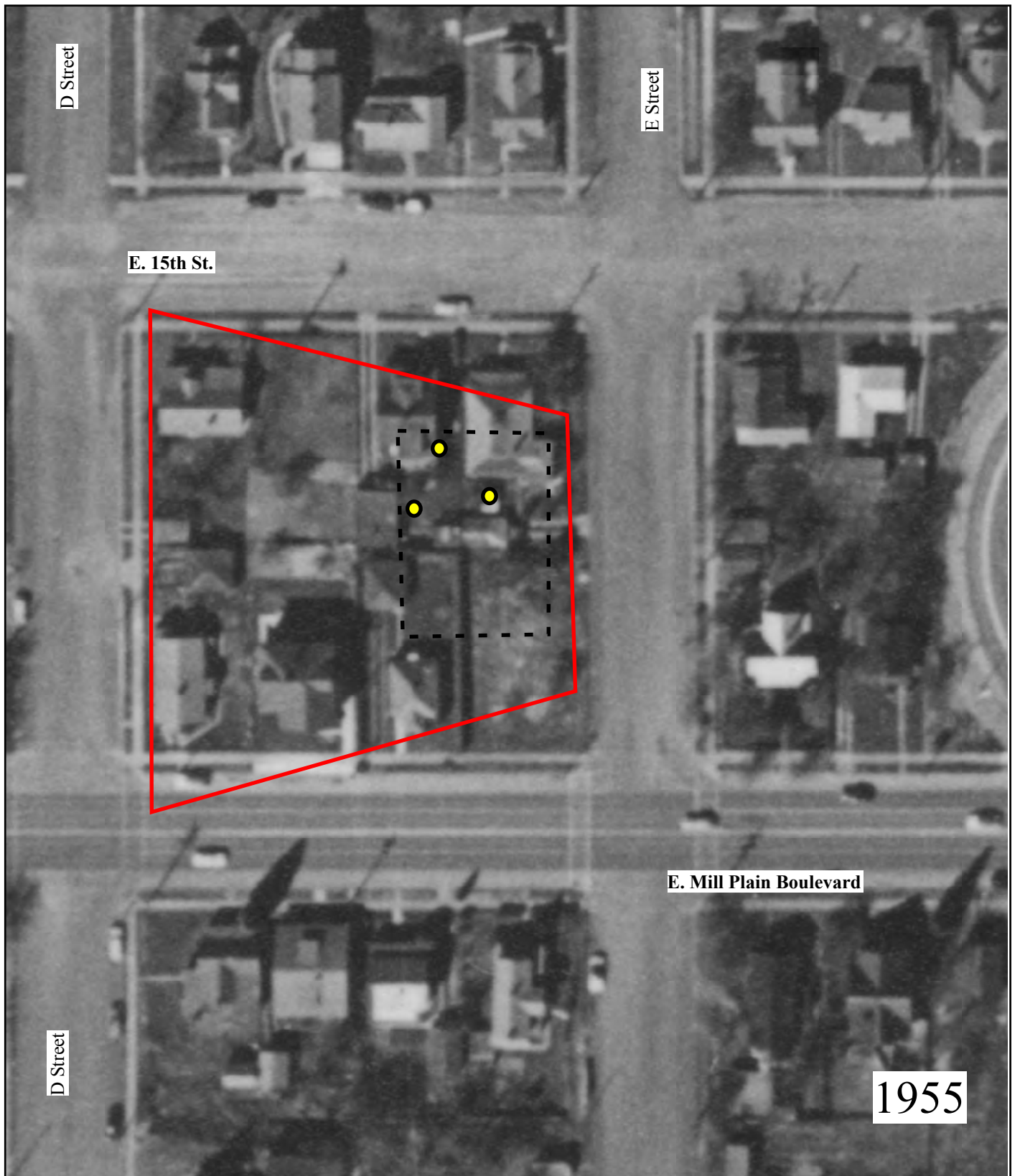
1944

-  Approximate Property Boundary
-  Approximate Location of Former Building
-  Approximate Location of UIC

 **Coles Environmental Consulting, Inc.**  
 750 S. Rosemont Rd. West Linn, OR  
 (503) 636-3102, fax (503) 699-1980

Approved By	Date/Revision
	6/10/16
	Rev. 0

**Figure 3.** Historical Aerial Photograph. Year of photograph indicated above.



D Street




E Street

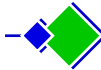
E. 15th St.

E. Mill Plain Boulevard

D Street

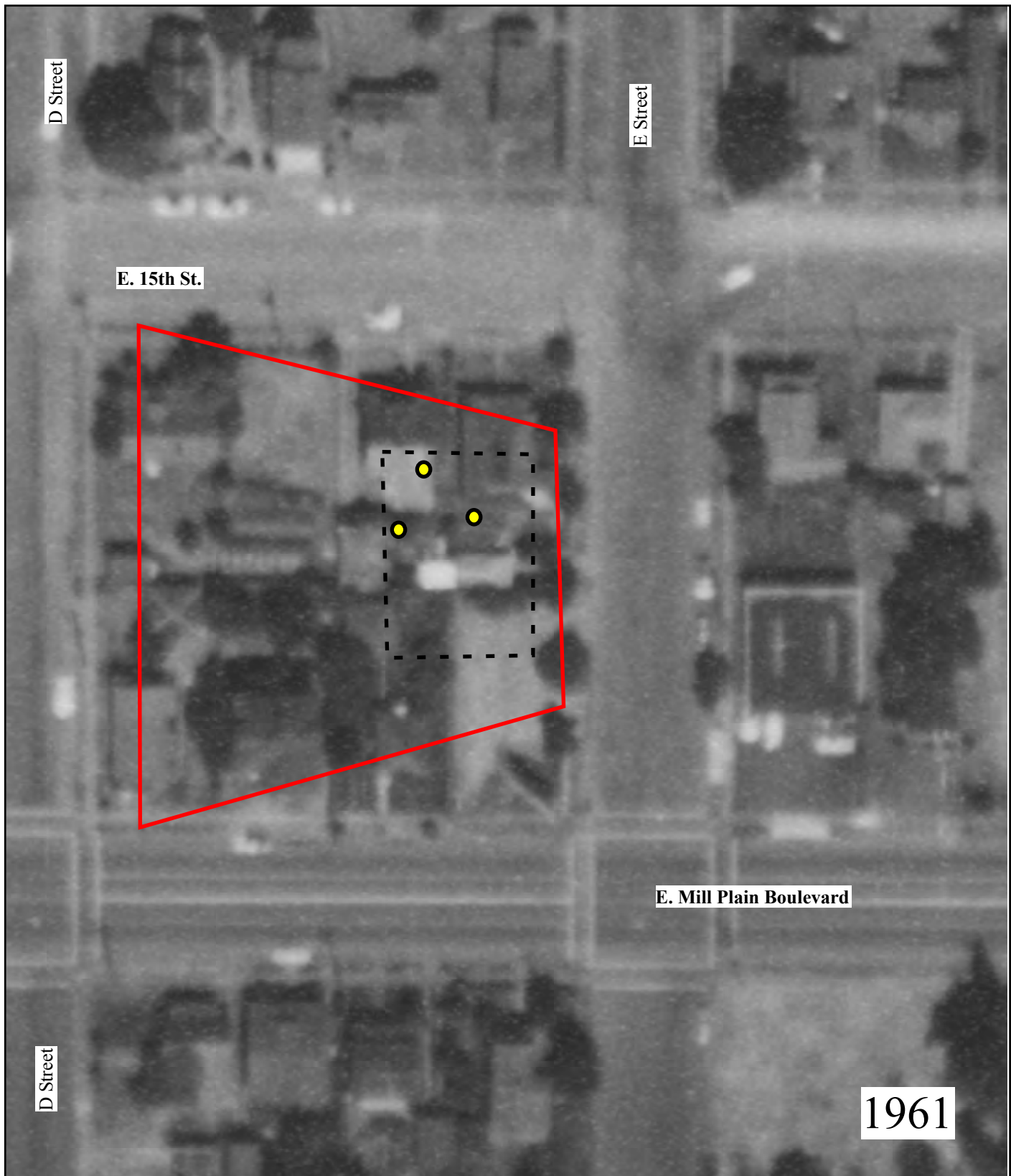
1955

-  Approximate Property Boundary
-  Approximate Location of Former Building
-  Approximate Location of UIC

 **Coles Environmental Consulting, Inc.**  
 750 S. Rosemont Rd. West Linn, OR  
 (503) 636-3102, fax (503) 699-1980

Approved By	Date/Revision
	6/10/16
	Rev. 0

**Figure 4.** Historical Aerial Photograph. Year of photograph indicated above.



D Street




E Street

E. 15th St.

E. Mill Plain Boulevard

D Street

1961




-  Approximate Property Boundary
-  Approximate Location of Former Building
-  Approximate Location of UIC

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Approved By	Date/Revision
	6/10/16
	Rev. 0

**Figure 6.** Historical Aerial Photograph. Year of photograph indicated above.



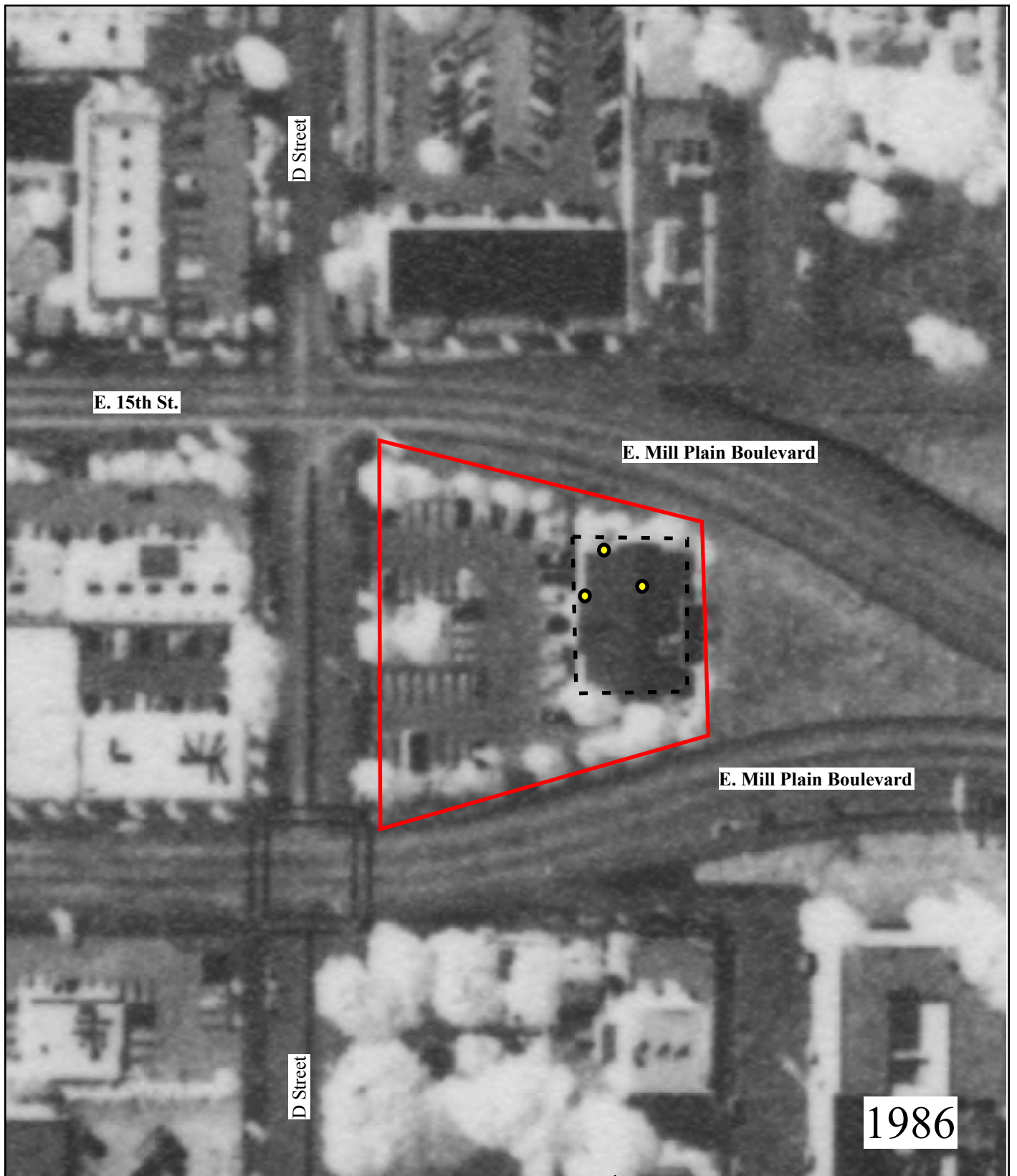
-  Approximate Property Boundary
-  Approximate Location of Former Building
-  Approximate Location of UIC


**Coles Environmental Consulting, Inc.**  
 750 S. Rosemont Rd. West Linn, OR  
 (503) 636-3102, fax (503) 699-1980

	Approved By	Date/Revision
		6/10/16 Rev. 0

**Figure 6.** Historical Aerial Photograph. Year of photograph indicated above.





1986

- Approximate Property Boundary
- - - - Approximate Location of Former Building
- Approximate Location of UIC

 **Coles Environmental Consulting, Inc.**  
 750 S. Rosemont Rd. West Linn, OR  
 (503) 636-3102, fax (503) 699-1980

Approved By	Date/Revision
	6/10/16
	Rev. 0

**Figure 7.** Historical Aerial Photograph. Year of photograph indicated above.



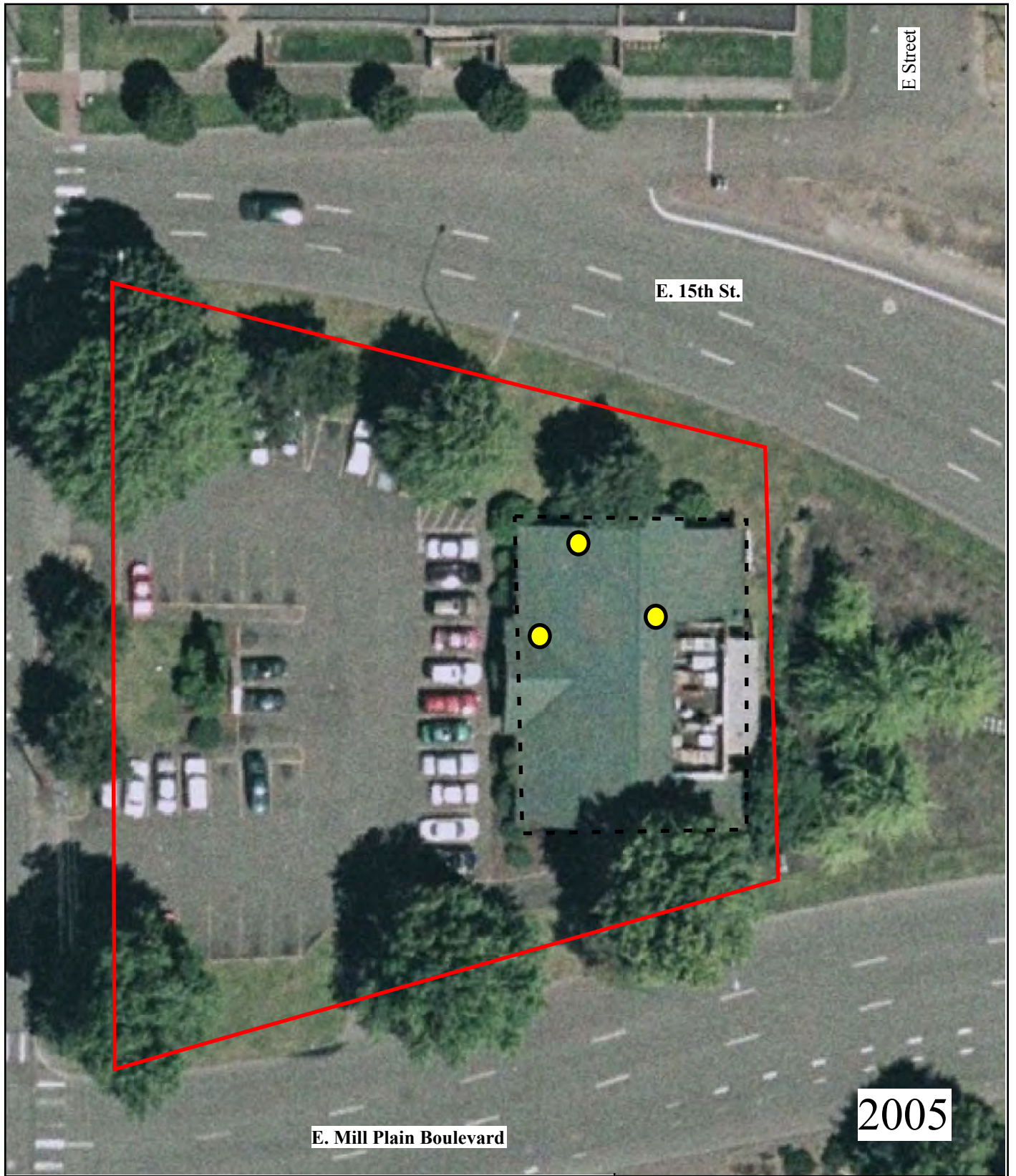
1994

- Approximate Property Boundary
- - - - Approximate Location of Former Building
- Approximate Location of UIC

**Coles Environmental Consulting, Inc.**  
 750 S. Rosemont Rd. West Linn, OR  
 (503) 636-3102, fax (503) 699-1980

Approved By	Date/Revision
	6/10/16
	Rev. 0

**Figure 8.** Historical Aerial Photograph. Year of photograph indicated above.



E Street

E. 15th St.

E. Mill Plain Boulevard

2005

- Approximate Property Boundary
- Approximate Location of Former Building
- Approximate Location of UIC

**Coles Environmental Consulting, Inc.**  
 750 S. Rosemont Rd. West Linn, OR  
 (503) 636-3102, fax (503) 699-1980

	Approved By	Date/Revision
		6/10/16 Rev. 0

**Figure 10.** Historical Aerial Photograph. Year of photograph indicated above.



- Approximate Property Boundary
- Approximate Location of Former Building
- Approximate Location of UIC

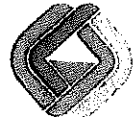

**Coles Environmental Consulting, Inc.**  
 750 S. Rosemont Rd. West Linn, OR  
 (503) 636-3102, fax (503) 699-1980

	Approved By	Date/Revision
		6/10/16
		Rev 0

**Figure 10.** Historical Aerial Photograph. Year of photograph indicated above.



P1387-05-03  
September 18, 2008



The Al Angelo Company  
Mr. Albert Angelo III  
404 E 15<sup>th</sup> Street  
Vancouver, Washington 98663

Subject: 400 MILL PLAIN CENTER  
VANCOUVER, WASHINGTON  
DRYWELL DECOMMISSIONING

Dear Mr. Angelo:

Geocon Northwest, Inc. (Geocon) has observed the decommissioning of three (3) drywells at the 400 Mill Plain Center site, located at 400 Mill Plain Boulevard in Vancouver, Washington (Figure 1, Site Vicinity Map). The drywells were located beneath the northern portion of the former Denny's Restaurant building, and appear to have been used for surface drainage of a development that predated the restaurant. The drywells were encountered during excavation activities and were decommissioned on an expedited basis to minimize financial and schedule impacts to construction. Geocon has previously completed several phases of geotechnical investigation at the subject property, and a review of boring logs indicates the depth to groundwater to be greater than 50 feet below the ground surface (bgs). The approximate locations of the drywells are illustrated on the Site Plan, Figure 2.

The first drywell (DW-1) was encountered on August 19, 2008, and the other two (DW-2 and DW-3) were encountered on September 2, 2008. All of the drywells were observed to be similarly constructed with a red brick liner that had an approximate diameter of 4-feet. The depth of the drywells was measured to be approximately 20 feet bgs in DW-1, 13 feet bgs in DW-2 and 17 feet bgs in DW-3. The top of each drywell was buried beneath approximately 1 foot of soil. Water was not observed in any of the drywells. Four lateral drain tiles were observed in the upper portion of DW-1, and are assumed to be connected to a surface drainage system.

Samples of sediment that had accumulated in the bottom of the drywells were collected for laboratory analyses. The samples were analyzed by Northwest Methods for the presence of total petroleum hydrocarbons (TPH) as gasoline (NWTPH-Gx) and diesel and oil (NWTPH-Dx), volatile organic compounds (VOC's) by US Environmental Protection Agency (EPA) Method 8260B, total metals by EPA 6000/7000 Series Methods, and Toxicity Characteristic Leaching Procedure (TCLP) metals by EPA 6000/7000 Series Methods. The analytical results are summarized below in Tables 1, 2, and 3. The soil samples were collected by a Geocon staff member from a decontaminated hand auger directly into laboratory prepared eight ounce clear glass jars with Teflon lined screw caps while wearing new nitrile gloves. Upon collection, the samples were properly labeled, placed into an iced cooler, and maintained under chain of custody protocol. The samples were delivered to APEX Labs in Tigard, Oregon for analytical testing. Copies of the laboratory analytical reports are attached.

**TABLE 1**  
**SUMMARY OF ANALYTICAL RESULTS**  
**PETROLEUM HYDROCARBONS AND VOLATILE ORGANIC COMPOUNDS**

Sample ID	Sample Date	Depth (ft bgs)	NWTPH-Gx	NWTPH-Dx		EPA 8260B
			Gasoline	Diesel	Oil	VOC's
DW-1	8/19/08	20	4.93U	32.0U	70.6	ND
DW-2	9/02/08	13	6.24U	28.9U	58.7	ND
DW-3	9/02/08	17	9.56U	147	393	ND
MTCA Method A Cleanup Levels			100	2000	2000	--

Analytical results are presented in milligrams per kilogram (mg/kg).  
 MTCA Method A Cleanup Levels were obtained from Table 745-1 of 173-340 WAC for Industrial Properties.  
 U - Indicates analyte not detected at detection limit shown.  
 ND - Indicates all analytes for the analytical suite were not detected at or above the respective method reporting limits.  
 BOLD - Indicates detection of analyte at value shown.

**TABLE 2**  
**SUMMARY OF ANALYTICAL RESULTS**  
**TOTAL METALS**

Sample ID	Sample Date	Depth (ft bgs)	TOTAL Metals							
			Arsenic	Barium	Cadmium	Chromium	Lead	Mercury	Selenium	Silver
DW-1	8/19/08	20	4.03	135	2	16.5	25.7	0.206	1.14U	2.28U
DW-2	9/02/08	13	5.89	111	1.39U	20.5	86.7	5.82	1.39U	2.77U
DW-3	9/02/08	17	7.99	233	1.59U	30.3	432	10.4	1.59U	7.09
MTCA Method A Cleanup Levels			20	--	2	2000	1000	2	--	--
EPA Region 6 Screening Levels			--	100000	--	--	--	--	5700	5700

Analytical results for Total Metals are presented in milligrams per kilogram (mg/kg).  
 MTCA Method A Cleanup Levels were obtained from Table 745-1 of 173-340 WAC for Industrial Properties.  
 EPA Region 6 Screening Levels are for the Industrial-Outdoor Worker exposure, and were applied where the analyte was not listed in MTCA.  
 U - Indicates analyte not detected at detection limit shown.  
 BOLD - Indicates detection of analyte at value shown.

**TABLE 3**  
**SUMMARY OF ANALYTICAL RESULTS**  
**TCLP METALS**

Sample ID	Sample Date	Depth (ft bgs)	TCLP Metals							
			Arsenic	Barium	Cadmium	Chromium	Lead	Mercury	Selenium	Silver
DW-1	8/19/08	20	0.1U	1.25U	0.05U	0.1U	0.05U	0.004U	0.05U	0.1U
DW-2	9/02/08	13	0.1U	1.25U	0.05U	0.1U	0.05U	0.004U	0.05U	0.1U
DW-3	9/02/08	17	0.1U	1.25U	0.05U	0.1U	0.478	0.004U	0.05U	0.1U

Analytical results for TCLP Metals are presented in milligrams per liter (mg/l).  
 U - Indicates analyte not detected at detection limit shown.  
 BOLD - Indicates detection of analyte at value shown.

A review of the analytical results for the samples showed detections of diesel and oil range petroleum hydrocarbons, total metals, and TCLP lead. The test results for gasoline range petroleum hydrocarbons, VOC's, and most of the TCLP metals showed no detection at or above the respective method reporting limits. The analytical results for the detections of diesel and oil range petroleum hydrocarbons were flagged by the laboratory, which indicated the result was elevated due to the presence of individual analyte peaks in the quantitation range that was not representative of the reported fuel pattern. The detected results were compared with the State of Washington Model Toxics Control Act (MTCA) Cleanup Regulations (173-340 WAC) for industrial properties or EPA Region 6 Screening Levels (where MTCA screening levels were not tabulated) to assess potential risks to human health or the environment. This review showed that mercury was exceeding the MTCA screening level in sediment samples collected from DW-2 and DW-3. The MTCA screening level for mercury is listed at 2 milligrams per kilogram (mg/kg). The analytical results for analysis of total metals shows detections of mercury at 5.82 and 10.4 in DW-2 and DW-3 respectively.

Based on the analytical results of sample DW-1 in comparison to MTCA Method A cleanup Levels, the drywell was permanently decommissioned by filling it with controlled density fill (CDF) to an approximate depth of 3 feet beneath planned footing elevations for the proposed new structure. Crushed rock was placed and compacted between the top of the CDF and footing elevation. Drywells DW-2 and DW-3 were encountered when mass grading was in full operations with numerous other activities being completed onsite. In an effort to minimize financial and schedule impacts to construction and based on the analytical results from DW-1, drywells DW-2 and DW-3 were decommissioned with CDF immediately after sample collection, which encapsulated the sediment in the bottom of the drywells. In the short time since the drywells were assessed, construction has progressed and several large footings have been constructed above the subject area. The volume of the impacted sediment is minimal and does not present an unacceptable hazard to human health or the environment, as it is buried beneath several feet of CDF and is effectively immobilized.

Based on a review of potential exposure routes and receptors, the impacted sediment does not present a risk to human health or the environment. Discussions with representatives of the Washington Department of Ecology (DOE) indicate that the most feasible alternative to manage the impacted media is through the use of institutional controls. This would allow the impacted sediment to remain in place until the structure is demolished, and will require that a cleanup action be completed at that time. This process would record site details in a database maintained by the DOE. A copy of this report should be submitted to the DOE for their review and approval.



400 Mill Plain Center  
Vancouver, Washington  
Drywell Decommissioning

Project No. P1387-05-03  
September 18, 2008

Should you have any questions regarding this report or require additional information, please contact the undersigned at your convenience. We thank you for the opportunity to work with you on this project.

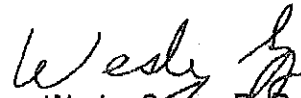
Sincerely,  
Geocon Northwest, Inc.



KEVIN SCHLEH



Kevin Schleh, L.G., L.H.G., L.E.G.  
Engineering Geologist



Wesley Spang, Ph.D., P.E.  
President

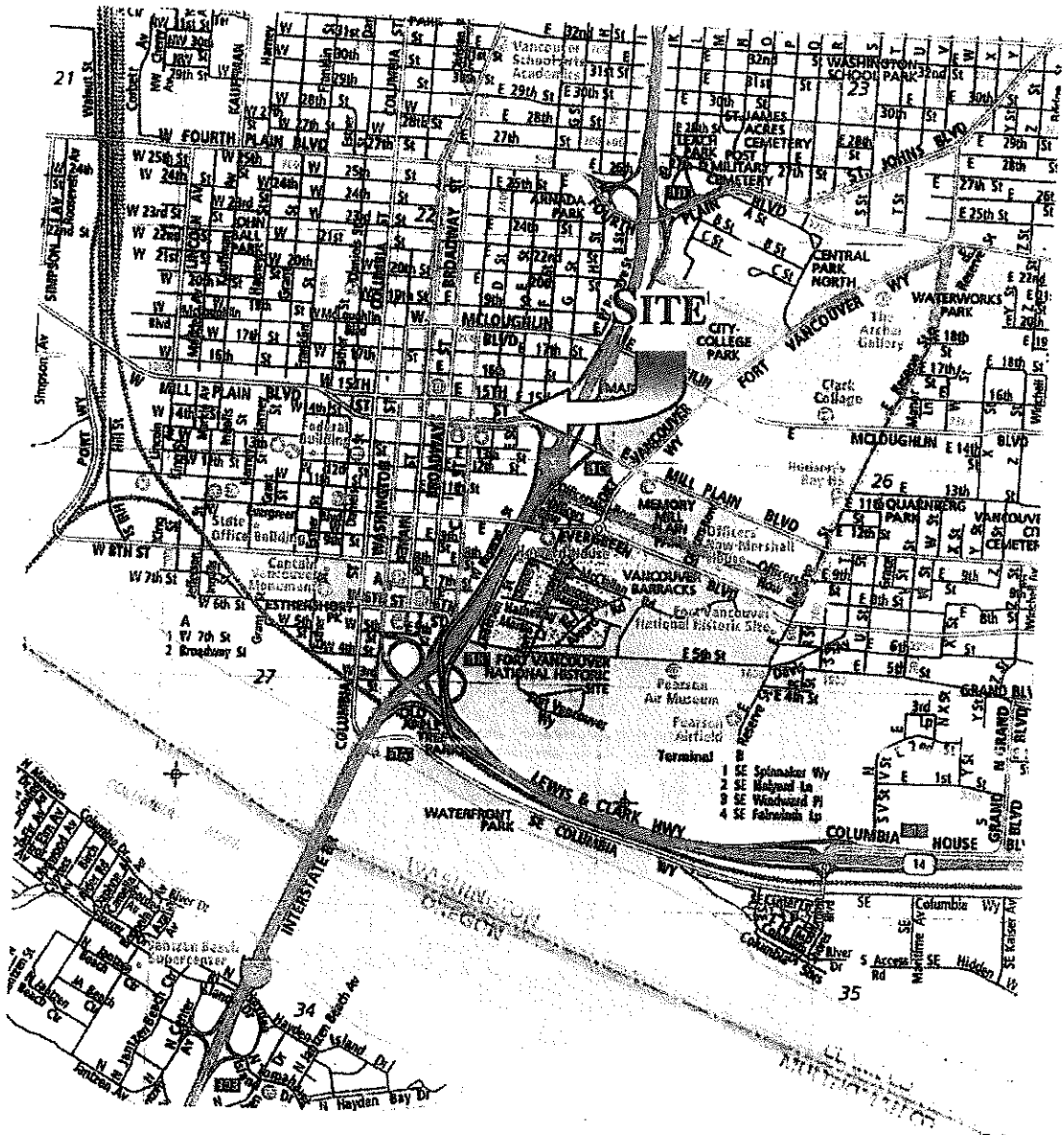
Attachments:

- Figure No. 1 – Site Vicinity Map
- Figure No. 2 - Site Plan
- Laboratory Analytical Reports

ks:WS

(3) Addressee

cc: Mr. Andy Jacobsen, Wilson and Associates



SOURCE: THOMAS BROTHERS MAP  
2008 PORTLAND METRO AREA

REPRODUCED WITH PERMISSION GRANTED BY THOMAS BROTHERS MAPS.  
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RESALE WITHOUT PERMISSION.



NO SCALE

**GEOCON**  
N O R T H W E S T



GEOTECHNICAL CONSULTANTS  
8283 SW CIRRUS DRIVE BEAVERTON, OREGON 97008  
PHONE: (503) 626-9889 FAX: (503) 626-8611

BJW/RSS	DSK/D000D
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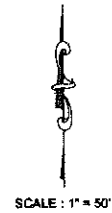
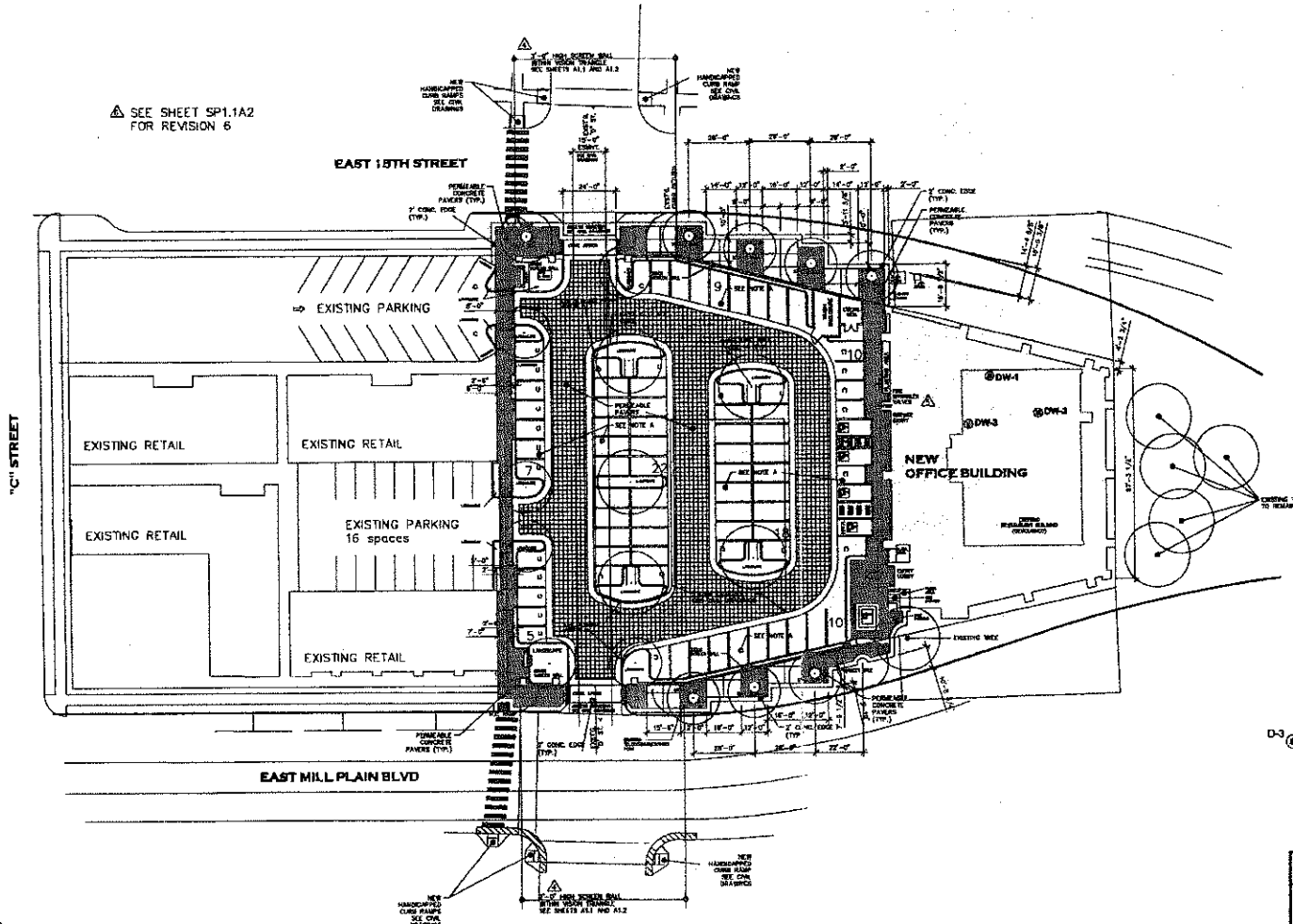
**SITE VICINITY**

DRYWELL DECOMMISSIONING  
ANGELO D STREET OFFICE BUILDING  
VANCOUVER, WASHINGTON

September 2008	P1387-05-03	FIG. 1
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DRYWELL DECOMMISSIONING  
400 MILL PLAIN CENTER  
VANCOUVER, WASHINGTON

△ SEE SHEET SP1.1A2  
FOR REVISION 6



**GEOCON LEGEND**  
D-3 ○ APPROX. LOCATION OF DECOMMISSIONED DRY WELL

SITE PLAN		
<b>GEOCON</b>		
NORTHWEST, INC.		
GEO TECHNICAL AND ENVIRONMENTAL CONSULTANTS		
8283 SW CIRIUS DRIVE BEAVERTON, OREGON 97008 - 6443		
PHONE 503 626-9889 - FAX 503 626-8611		
DATE : SEPT. 2008	PROJECT NO. : P1387-05-03	FIG. 2

NOTES:  
 \* Base map provided by others, showing future development  
 \* Subsurface explorations were not located by a Professional Land Surveyor, and should be considered approximate

# Apex Labs

12232 S.W. Garden Place  
Tigard, OR 97223  
503-718-2323 Phone  
503-718-0333 Fax

Tuesday, August 26, 2008

Kevin Schleh  
Geocon Northwest Inc.  
8283 SW Cirrus Dr  
Beaverton, OR 97008-6443

RE: D Street Office Bldg. / P1387-05-03

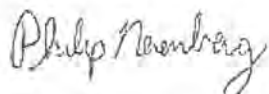
Enclosed are the results of analyses for work order A808174, which was received by the laboratory on 8/19/2008 at 1:50:00PM.

Thank you for using Apex Labs. We appreciate your business and strive to provide the highest quality services to the environmental industry.

If you have any questions concerning this report or the services we offer, please feel free to contact me by email at: [pnerenberg@apex-labs.com](mailto:pnerenberg@apex-labs.com), or by phone at 503-718-2323.

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Apex Laboratories



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Phillip Nerenberg, Lab Director

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Page 1 of 23

Geocon Northwest Inc.  
8283 SW Cirrus Dr  
Beaverton, OR 97008-6443

Project: **D Street Office Bldg.**  
Project Number: P1387-05-03  
Project Manager: Kevin Schleh

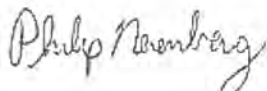
Reported:  
08/26/08 17:08

## ANALYTICAL REPORT FOR SAMPLES

### SAMPLE INFORMATION

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
DW-1	A808174-01	Soil	08/19/08 13:00	08/19/08 13:50

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Philip Nerenberg, Lab Director

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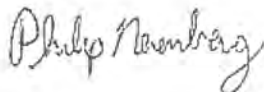
Project: **D Street Office Bldg.**  
 Project Number: P1387-05-03  
 Project Manager: Kevin Schleh

Reported:  
 08/26/08 17:08

## ANALYTICAL SAMPLE RESULTS

### Diesel Range (C10-C22) and Oil Range (C22-C40) Hydrocarbons by NWTPH-Dx - Silica Gel Cleanup

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Date Analyzed	Method	Notes
<b>DW-1 (A808174-01RE1)</b>								
<b>Matrix: Soil</b>								
Diesel Range Organics	ND	---	32.0	mg/kg dry	1	08/19/08 19:08	NWTPH-Dx	
Oil Range Organics	70.6	---	64.1	"	"	"	"	F-03
<i>Surrogate: o-Terphenyl (Surr)</i>		<i>Recovery: 86 %    Limits: 50-150 %</i>						



Geocon Northwest Inc.

8283 SW Cirrus Dr  
 Beaverton, OR 97008-6443

Project: **D Street Office Bldg.**

Project Number: P1387-05-03

Project Manager: Kevin Schleh

Reported:

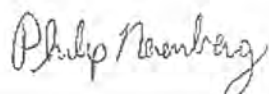
08/26/08 17:08

## ANALYTICAL SAMPLE RESULTS

### Gasoline Range (C6-C10) Hydrocarbons by NWTPH-Gx

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Date Analyzed	Method	Notes	
<b>DW-1 (A808174-01)</b>			<b>Matrix: Soil</b>						<b>V-06</b>
Gasoline Range Organics	ND	---	4.93	mg/kg dry	50	08/20/08 14:42	NWTPH-Gx		
Surrogate: 4-Bromofluorobenzene (Sur)			Recovery: 82 %	Limits: 50-150 %	1	"	"	"	
1,4-Difluorobenzene (Sur)			74 %	Limits: 50-150 %	"	"	"	"	

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Philip Nerenberg, Lab Director

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Geocon Northwest Inc. 8283 SW Cirrus Dr Beaverton, OR 97008-6443	Project: D Street Office Bldg. Project Number: P1387-05-03 Project Manager: Kevin Schleh	Reported: 08/26/08 17:08
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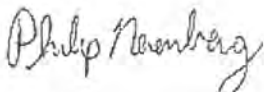
## ANALYTICAL SAMPLE RESULTS

### Volatile Organic Compounds by EPA 8260B

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Date Analyzed	Method	Notes	
			<b>Matrix: Soil</b>						<b>V-06</b>
DW-1 (A808174-01)									
Acetone	ND	---	1230	ug/kg dry	50	08/20/08 14:42	5035/8260B		
Benzene	ND	---	15.4	"	"	"	"		
Bromobenzene	ND	---	30.8	"	"	"	"		
Bromochloromethane	ND	---	30.8	"	"	"	"		
Bromodichloromethane	ND	---	30.8	"	"	"	"		
Bromoform	ND	---	61.6	"	"	"	"		
Bromomethane	ND	---	61.6	"	"	"	"		
2-Butanone (MEK)	ND	---	61.6	"	"	"	"		
n-Butylbenzene	ND	---	30.8	"	"	"	"		
sec-Butylbenzene	ND	---	30.8	"	"	"	"		
tert-Butylbenzene	ND	---	30.8	"	"	"	"		
Carbon tetrachloride	ND	---	30.8	"	"	"	"		
Chlorobenzene	ND	---	30.8	"	"	"	"		
Chloroethane	ND	---	61.6	"	"	"	"		
Chloroform	ND	---	30.8	"	"	"	"		
Chloromethane	ND	---	30.8	"	"	"	"		
2-Chlorotoluene	ND	---	30.8	"	"	"	"		
4-Chlorotoluene	ND	---	30.8	"	"	"	"		
1,2-Dibromo-3-chloropropane	ND	---	123	"	"	"	"		
Dibromochloromethane	ND	---	61.6	"	"	"	"		
1,2-Dibromoethane (EDB)	ND	---	30.8	"	"	"	"		
Dibromomethane	ND	---	30.8	"	"	"	"		
1,2-Dichlorobenzene	ND	---	30.8	"	"	"	"		
1,3-Dichlorobenzene	ND	---	30.8	"	"	"	"		
1,4-Dichlorobenzene	ND	---	30.8	"	"	"	"		
Dichlorodifluoromethane	ND	---	61.6	"	"	"	"		
1,1-Dichloroethane	ND	---	30.8	"	"	"	"		
1,2-Dichloroethane (EDC)	ND	---	30.8	"	"	"	"		
1,1-Dichloroethene	ND	---	30.8	"	"	"	"		
cis-1,2-Dichloroethene	ND	---	30.8	"	"	"	"		
trans-1,2-Dichloroethene	ND	---	30.8	"	"	"	"		
1,2-Dichloropropane	ND	---	30.8	"	"	"	"		
1,3-Dichloropropane	ND	---	30.8	"	"	"	"		
2,2-Dichloropropane	ND	---	61.6	"	"	"	"		

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Philip Nerenberg, Lab Director



Geocon Northwest Inc.

8283 SW Cirrus Dr  
Beaverton, OR 97008-6443

Project: **D Street Office Bldg.**

Project Number: P1387-05-03

Project Manager: Kevin Schleh

Reported:

08/26/08 17:08

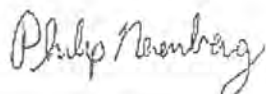
## ANALYTICAL SAMPLE RESULTS

### Volatile Organic Compounds by EPA 8260B

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Date Analyzed	Method	Notes	
			<b>Matrix: Soil</b>						<b>V-06</b>
1,1-Dichloropropene	ND	---	30.8	ug/kg dry	50	"	5035/8260B		
cis-1,3-Dichloropropene	ND	---	61.6	"	"	"	"		
trans-1,3-Dichloropropene	ND	---	61.6	"	"	"	"		
Ethylbenzene	ND	---	30.8	"	"	"	"		
Hexachlorobutadiene	ND	---	123	"	"	"	"		
2-Hexanone	ND	---	61.6	"	"	"	"		
Isopropylbenzene	ND	---	30.8	"	"	"	"		
4-Isopropyltoluene	ND	---	30.8	"	"	"	"		
4-Methyl-2-pentanone (MiBK)	ND	---	61.6	"	"	"	"		
Methyl tert-butyl ether (MTBE)	ND	---	61.6	"	"	"	"		
Methylene chloride	ND	---	30.8	"	"	"	"		
Naphthalene	ND	---	30.8	"	"	"	"		
n-Propylbenzene	ND	---	30.8	"	"	"	"		
Styrene	ND	---	30.8	"	"	"	"		
1,1,1,2-Tetrachloroethane	ND	---	61.6	"	"	"	"		
1,1,2,2-Tetrachloroethane	ND	---	30.8	"	"	"	"		
Tetrachloroethene (PCE)	ND	---	30.8	"	"	"	"		
Toluene	ND	---	123	"	"	"	"		
1,2,3-Trichlorobenzene	ND	---	123	"	"	"	"		
1,2,4-Trichlorobenzene	ND	---	123	"	"	"	"		
1,1,1-Trichloroethane	ND	---	61.6	"	"	"	"		
1,1,2-Trichloroethane	ND	---	30.8	"	"	"	"		
Trichloroethene (TCE)	ND	---	30.8	"	"	"	"		
Trichlorofluoromethane	ND	---	30.8	"	"	"	"		
1,2,3-Trichloropropane	ND	---	61.6	"	"	"	"		
1,2,4-Trimethylbenzene	ND	---	61.6	"	"	"	"		
1,3,5-Trimethylbenzene	ND	---	61.6	"	"	"	"		
Vinyl chloride	ND	---	30.8	"	"	"	"		
m,p-Xylene	ND	---	61.6	"	"	"	"		
o-Xylene	ND	---	30.8	"	"	"	"		
<i>Surrogate: Dibromofluoromethane (Surr)</i>		<i>Recovery: 94 %</i>		<i>Limits: 70-130 %</i>		<i>1</i>	<i>"</i>	<i>"</i>	
<i>1,4-Difluorobenzene (Surr)</i>		<i>102 %</i>		<i>Limits: 70-130 %</i>		<i>"</i>	<i>"</i>	<i>"</i>	
<i>Toluene-d8 (Surr)</i>		<i>100 %</i>		<i>Limits: 70-130 %</i>		<i>"</i>	<i>"</i>	<i>"</i>	
<i>4-Bromofluorobenzene (Surr)</i>		<i>102 %</i>		<i>Limits: 70-130 %</i>		<i>"</i>	<i>"</i>	<i>"</i>	

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Philip Nerenberg, Lab Director

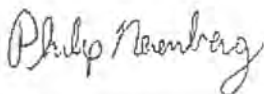
Page 6 of 23

Geocon Northwest Inc. 8283 SW Cirrus Dr Beaverton, OR 97008-6443	Project: <b>D Street Office Bldg.</b> Project Number: P1387-05-03 Project Manager: Kevin Schleh	Reported: 08/26/08 17:08
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## ANALYTICAL SAMPLE RESULTS

### TCLP Metals by EPA 6020 (ICPMS)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Date Analyzed	Method	Notes
			<b>Matrix: Soil</b>					
<b>DW-1 (A808174-01)</b>								
Arsenic	ND	---	0.100	mg/L	5	08/20/08 17:53	EPA 1311/6020	
Barium	ND	---	1.25	"	"	"	"	
Cadmium	ND	---	0.0500	"	"	"	"	
Chromium	ND	---	0.100	"	"	"	"	
Lead	ND	---	0.0500	"	"	"	"	
Mercury	ND	---	0.00400	"	"	"	"	
Selenium	ND	---	0.0500	"	"	"	"	
Silver	ND	---	0.100	"	"	"	"	



Geocon Northwest Inc.  
 8283 SW Cirrus Dr  
 Beaverton, OR 97008-6443

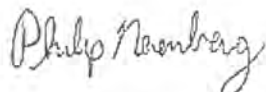
Project: **D Street Office Bldg.**  
 Project Number: P1387-05-03  
 Project Manager: Kevin Schleh

Reported:  
 08/26/08 17:08

## ANALYTICAL SAMPLE RESULTS

### Percent Dry Weight by D2216

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Date Analyzed	Method	Notes
<b>DW-1 (A808174-01)</b>								
<b>Matrix: Soil</b>								
% Solids	87.9	---	1.00	% by Weight	1	08/20/08 08:09	D2216	

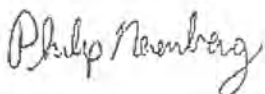


Geocon Northwest Inc. 8283 SW Cirrus Dr Beaverton, OR 97008-6443	Project: D Street Office Bldg. Project Number: P1387-05-03 Project Manager: Kevin Schleh	Reported: 08/26/08 17:08
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## QUALITY CONTROL (QC) SAMPLE RESULTS

### Diesel Range (C10-C22) and Oil Range (C22-C40) Hydrocarbons by NWTPH-Dx - Silica Gel Cleanup

Analyte	Result	MDL	Reporting Limit	Units	Dil.	Spike Amount	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
<b>Batch 8080211 - EPA 3546 (Fuels)</b>						<b>Soil</b>						
<b>Blank (8080211-BLK1)</b>						<b>Analyzed: 08/19/08 17:01</b>						
<b>NWTPH-Dx</b>												
Diesel Range Organics	ND	---	20.0	mg/kg wet	1	---	---	---	---	---	---	---
Oil Range Organics	ND	---	40.0	"	"	---	---	---	---	---	---	---
<i>Surr: o-Terphenyl (Surr)</i>			<i>Recovery: 93 %</i>		<i>Limits: 50-150 %</i>		<i>Dilution: 1x</i>					
<b>LCS (8080211-BS1)</b>						<b>Analyzed: 08/19/08 17:21</b>						
<b>NWTPH-Dx</b>												
Diesel Range Organics	79.0	---	20.0	mg/kg wet	1	83.3	---	95	75-125%	---	---	---
Oil Range Organics	88.0	---	40.0	"	"	"	---	106	"	---	---	---
<i>Surr: o-Terphenyl (Surr)</i>			<i>Recovery: 83 %</i>		<i>Limits: 50-150 %</i>		<i>Dilution: 1x</i>					

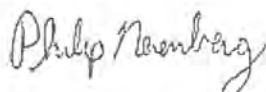


Geocon Northwest Inc. 8283 SW Cirrus Dr Beaverton, OR 97008-6443	Project: <b>D Street Office Bldg.</b> Project Number: P1387-05-03 Project Manager: Kevin Schleh	Reported: 08/26/08 17:08
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## QUALITY CONTROL (QC) SAMPLE RESULTS

### Gasoline Range (C6-C10) Hydrocarbons by NWTPH-Gx

Analyte	Result	MDL	Reporting Limit	Units	Dil.	Spike Amount	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
<b>Batch 8080217 - EPA 5035A</b>												
<b>Soil</b>												
<b>Blank (8080217-BLK1)</b>						<b>Analyzed: 08/20/08 14:11</b>						
<b>NWTPH-Gx</b>												
Gasoline Range Organics	ND	---	4.00	mg/kg wet	50	---	---	---	---	---	---	
<i>Surr: 4-Bromofluorobenzene (Sur)</i>			<i>Recovery: 81 %</i>	<i>Limits: 50-150 %</i>		<i>Dilution: 1x</i>						
<i>1,4-Difluorobenzene (Sur)</i>			<i>76 %</i>	<i>50-150 %</i>		<i>"</i>						
<b>LCS (8080217-BS2)</b>						<b>Analyzed: 08/20/08 13:37</b>						
<b>NWTPH-Gx</b>												
Gasoline Range Organics	19.8	---	4.00	mg/kg wet	50	25.0	---	79	70-130%	---	---	
<i>Surr: 4-Bromofluorobenzene (Sur)</i>			<i>Recovery: 77 %</i>	<i>Limits: 50-150 %</i>		<i>Dilution: 1x</i>						
<i>1,4-Difluorobenzene (Sur)</i>			<i>75 %</i>	<i>50-150 %</i>		<i>"</i>						
<b>Duplicate (8080217-DUP1)</b>			<b>Source: A808174-01</b>			<b>Analyzed: 08/20/08 15:13</b>						
<b>NWTPH-Gx</b>												
Gasoline Range Organics	ND	---	4.77	mg/kg dry	50	---	ND	---	---	---	30%	
<i>Surr: 4-Bromofluorobenzene (Sur)</i>			<i>Recovery: 81 %</i>	<i>Limits: 50-150 %</i>		<i>Dilution: 1x</i>						
<i>1,4-Difluorobenzene (Sur)</i>			<i>74 %</i>	<i>50-150 %</i>		<i>"</i>						



Geocon Northwest Inc. 8283 SW Cirrus Dr Beaverton, OR 97008-6443	Project: D Street Office Bldg. Project Number: P1387-05-03 Project Manager: Kevin Schleh	Reported: 08/26/08 17:08
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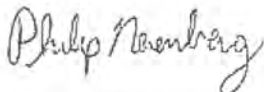
## QUALITY CONTROL (QC) SAMPLE RESULTS

### Volatile Organic Compounds by EPA 8260B

Analyte	Result	MDL	Reporting Limit	Units	Dil.	Spike Amount	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
<b>Batch 8080217 - EPA 5035A</b>						<b>Soil</b>						
<b>Blank (8080217-BLK1)</b>						<b>Analyzed: 08/20/08 14:11</b>						
<b>5035/8260B</b>												
Acetone	ND	---	1000	ug/kg wet	50	---	---	---	---	---	---	
Benzene	ND	---	12.5	"	"	---	---	---	---	---	---	
Bromobenzene	ND	---	25.0	"	"	---	---	---	---	---	---	
Bromochloromethane	ND	---	25.0	"	"	---	---	---	---	---	---	
Bromodichloromethane	ND	---	25.0	"	"	---	---	---	---	---	---	
Bromoform	ND	---	50.0	"	"	---	---	---	---	---	---	
Bromomethane	ND	---	500	"	"	---	---	---	---	---	---	
2-Butanone (MEK)	ND	---	500	"	"	---	---	---	---	---	---	
n-Butylbenzene	ND	---	25.0	"	"	---	---	---	---	---	---	
sec-Butylbenzene	ND	---	25.0	"	"	---	---	---	---	---	---	
tert-Butylbenzene	ND	---	25.0	"	"	---	---	---	---	---	---	
Carbon tetrachloride	ND	---	25.0	"	"	---	---	---	---	---	---	
Chlorobenzene	ND	---	25.0	"	"	---	---	---	---	---	---	
Chloroethane	ND	---	500	"	"	---	---	---	---	---	---	
Chloroform	ND	---	250	"	"	---	---	---	---	---	---	
Chloromethane	ND	---	250	"	"	---	---	---	---	---	---	
2-Chlorotoluene	ND	---	25.0	"	"	---	---	---	---	---	---	
4-Chlorotoluene	ND	---	25.0	"	"	---	---	---	---	---	---	
1,2-Dibromo-3-chloropropane	ND	---	100	"	"	---	---	---	---	---	---	
Dibromochloromethane	ND	---	50.0	"	"	---	---	---	---	---	---	
1,2-Dibromoethane (EDB)	ND	---	25.0	"	"	---	---	---	---	---	---	
Dibromomethane	ND	---	25.0	"	"	---	---	---	---	---	---	
1,2-Dichlorobenzene	ND	---	25.0	"	"	---	---	---	---	---	---	
1,3-Dichlorobenzene	ND	---	25.0	"	"	---	---	---	---	---	---	
1,4-Dichlorobenzene	ND	---	25.0	"	"	---	---	---	---	---	---	
Dichlorodifluoromethane	ND	---	50.0	"	"	---	---	---	---	---	---	
1,1-Dichloroethane	ND	---	25.0	"	"	---	---	---	---	---	---	
1,2-Dichloroethane (EDC)	ND	---	25.0	"	"	---	---	---	---	---	---	
1,1-Dichloroethene	ND	---	25.0	"	"	---	---	---	---	---	---	
cis-1,2-Dichloroethene	ND	---	25.0	"	"	---	---	---	---	---	---	
trans-1,2-Dichloroethene	ND	---	25.0	"	"	---	---	---	---	---	---	
1,2-Dichloropropane	ND	---	25.0	"	"	---	---	---	---	---	---	
1,3-Dichloropropane	ND	---	25.0	"	"	---	---	---	---	---	---	
2,2-Dichloropropane	ND	---	50.0	"	"	---	---	---	---	---	---	

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Philip Nerenberg, Lab Director

<b>Geocon Northwest Inc.</b> 8283 SW Cirrus Dr Beaverton, OR 97008-6443	<b>Project: D Street Office Bldg.</b> Project Number: P1387-05-03 Project Manager: Kevin Schleh	<b>Reported:</b> 08/26/08 17:08
---	---	------------------------------------

## QUALITY CONTROL (QC) SAMPLE RESULTS

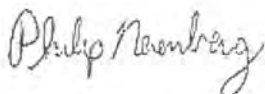
### Volatile Organic Compounds by EPA 8260B

Analyte	Result	MDL	Reporting Limit	Units	Dil	Spike Amount	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
<b>Batch 8080217 - EPA 5035A</b>						<b>Soil</b>						
<b>Blank (8080217-BLK1)</b>						<b>Analyzed: 08/20/08 14:11</b>						
1,1-Dichloropropene	ND	---	25.0	ug/kg wet	"	---	---	---	---	---	---	---
cis-1,3-Dichloropropene	ND	---	50.0	"	"	---	---	---	---	---	---	---
trans-1,3-Dichloropropene	ND	---	50.0	"	"	---	---	---	---	---	---	---
Ethylbenzene	ND	---	25.0	"	"	---	---	---	---	---	---	---
Hexachlorobutadiene	ND	---	100	"	"	---	---	---	---	---	---	---
2-Hexanone	ND	---	500	"	"	---	---	---	---	---	---	---
Isopropylbenzene	ND	---	25.0	"	"	---	---	---	---	---	---	---
4-Isopropyltoluene	ND	---	25.0	"	"	---	---	---	---	---	---	---
4-Methyl-2-pentanone (MIBK)	ND	---	500	"	"	---	---	---	---	---	---	---
Methyl tert-butyl ether (MTBE)	ND	---	50.0	"	"	---	---	---	---	---	---	---
Methylene chloride	ND	---	250	"	"	---	---	---	---	---	---	---
Naphthalene	ND	---	250	"	"	---	---	---	---	---	---	---
n-Propylbenzene	ND	---	25.0	"	"	---	---	---	---	---	---	---
Styrene	ND	---	25.0	"	"	---	---	---	---	---	---	---
1,1,1,2-Tetrachloroethane	ND	---	50.0	"	"	---	---	---	---	---	---	---
1,1,2,2-Tetrachloroethane	ND	---	25.0	"	"	---	---	---	---	---	---	---
Tetrachloroethene (PCE)	ND	---	25.0	"	"	---	---	---	---	---	---	---
Toluene	ND	---	100	"	"	---	---	---	---	---	---	---
1,2,3-Trichlorobenzene	ND	---	100	"	"	---	---	---	---	---	---	---
1,2,4-Trichlorobenzene	ND	---	100	"	"	---	---	---	---	---	---	---
1,1,1-Trichloroethane	ND	---	50.0	"	"	---	---	---	---	---	---	---
1,1,2-Trichloroethane	ND	---	25.0	"	"	---	---	---	---	---	---	---
Trichloroethene (TCE)	ND	---	25.0	"	"	---	---	---	---	---	---	---
Trichlorofluoromethane	ND	---	250	"	"	---	---	---	---	---	---	---
1,2,3-Trichloropropane	ND	---	50.0	"	"	---	---	---	---	---	---	---
1,2,4-Trimethylbenzene	ND	---	50.0	"	"	---	---	---	---	---	---	---
1,3,5-Trimethylbenzene	ND	---	50.0	"	"	---	---	---	---	---	---	---
Vinyl chloride	ND	---	25.0	"	"	---	---	---	---	---	---	---
m,p-Xylene	ND	---	50.0	"	"	---	---	---	---	---	---	---
o-Xylene	ND	---	25.0	"	"	---	---	---	---	---	---	---

<i>Surr: Dibromofluoromethane (Surr)</i>	<i>Recovery: 95 %</i>	<i>Limits: 70-130 %</i>	<i>Dilution: 1x</i>
<i>1,4-Difluorobenzene (Surr)</i>	<i>102 %</i>	<i>70-130 %</i>	<i>"</i>
<i>Toluene-d8 (Surr)</i>	<i>99 %</i>	<i>70-130 %</i>	<i>"</i>
<i>4-Bromofluorobenzene (Surr)</i>	<i>100 %</i>	<i>70-130 %</i>	<i>"</i>

Apex Laboratories

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Philip Nerenberg, Lab Director

Geocon Northwest Inc.  
8283 SW Cirrus Dr  
Beaverton, OR 97008-6443

Project: D Street Office Bldg.  
Project Number: P1387-05-03  
Project Manager: Kevin Schleh

Reported:  
08/26/08 17:08

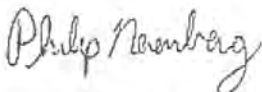
## QUALITY CONTROL (QC) SAMPLE RESULTS

### Volatile Organic Compounds by EPA 8260B

Analyte	Result	MDL	Reporting Limit	Units	Dil.	Spike Amount	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
<b>Batch 8080217 - EPA 5035A</b>												
<b>Soil</b>												
<b>LCS (8080217-BS1) Analyzed: 08/20/08 13:00</b>												
<b>5035/8260B</b>												
Acetone	1340	---	1000	ug/kg wet	50	2000	---	67	65-135%	---	---	
Benzene	956	---	12.5	"	"	1000	---	96	"	---	---	
Bromobenzene	974	---	25.0	"	"	"	---	97	"	---	---	
Bromochloromethane	962	---	25.0	"	"	"	---	96	"	---	---	
Bromodichloromethane	1040	---	25.0	"	"	"	---	104	"	---	---	
Bromoform	1000	---	50.0	"	"	"	---	100	"	---	---	
Bromomethane	1280	---	500	"	"	"	---	128	"	---	---	
2-Butanone (MEK)	1360	---	500	"	"	2000	---	68	"	---	---	
n-Butylbenzene	1020	---	25.0	"	"	1000	---	102	"	---	---	
sec-Butylbenzene	1090	---	25.0	"	"	"	---	109	"	---	---	
tert-Butylbenzene	1030	---	25.0	"	"	"	---	103	"	---	---	
Carbon tetrachloride	890	---	25.0	"	"	"	---	89	"	---	---	
Chlorobenzene	970	---	25.0	"	"	"	---	97	"	---	---	
Chloroethane	1160	---	500	"	"	"	---	116	"	---	---	
Chloroform	907	---	250	"	"	"	---	91	"	---	---	
Chloromethane	988	---	250	"	"	"	---	99	"	---	---	
2-Chlorotoluene	968	---	25.0	"	"	"	---	97	"	---	---	
4-Chlorotoluene	963	---	25.0	"	"	"	---	96	"	---	---	
1,2-Dibromo-3-chloropropane	1130	---	100	"	"	"	---	113	"	---	---	
Dibromochloromethane	888	---	50.0	"	"	"	---	89	"	---	---	
1,2-Dibromoethane (EDB)	1020	---	25.0	"	"	"	---	102	"	---	---	
Dibromomethane	988	---	25.0	"	"	"	---	99	"	---	---	
1,2-Dichlorobenzene	1010	---	25.0	"	"	"	---	101	"	---	---	
1,3-Dichlorobenzene	950	---	25.0	"	"	"	---	95	"	---	---	
1,4-Dichlorobenzene	966	---	25.0	"	"	"	---	97	"	---	---	
Dichlorodifluoromethane	891	---	50.0	"	"	"	---	89	"	---	---	
1,1-Dichloroethane	936	---	25.0	"	"	"	---	94	"	---	---	
1,2-Dichloroethane (EDC)	816	---	25.0	"	"	"	---	82	"	---	---	
1,1-Dichloroethene	857	---	25.0	"	"	"	---	86	"	---	---	
cis-1,2-Dichloroethene	897	---	25.0	"	"	"	---	90	"	---	---	
trans-1,2-Dichloroethene	918	---	25.0	"	"	"	---	92	"	---	---	
1,2-Dichloropropane	1050	---	25.0	"	"	"	---	105	"	---	---	
1,3-Dichloropropane	956	---	25.0	"	"	"	---	96	"	---	---	
2,2-Dichloropropane	998	---	50.0	"	"	"	---	100	"	---	---	

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Philip Nerenberg, Lab Director



Geocon Northwest Inc. 8283 SW Cirrus Dr Beaverton, OR 97008-6443	Project: D Street Office Bldg. Project Number: P1387-05-03 Project Manager: Kevin Schleh	Reported: 08/26/08 17:08
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## QUALITY CONTROL (QC) SAMPLE RESULTS

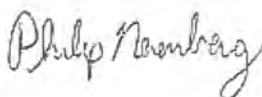
### Volatile Organic Compounds by EPA 8260B

Analyte	Result	MDL	Reporting Limit	Units	Dil.	Spike Amount	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
<b>Soil</b>												
<b>Batch 8080217 - EPA 5035A</b>						<b>Analyzed: 08/20/08 13:00</b>						
<b>LCS (8080217-BS1)</b>												
1,1-Dichloropropene	834	---	25.0	ug/kg wet	"	"	---	83	"	---	---	
cis-1,3-Dichloropropene	1070	---	50.0	"	"	"	---	107	"	---	---	
trans-1,3-Dichloropropene	1040	---	50.0	"	"	"	---	104	"	---	---	
Ethylbenzene	970	---	25.0	"	"	"	---	97	"	---	---	
Hexachlorobutadiene	975	---	100	"	"	"	---	98	"	---	---	
2-Hexanone	1810	---	500	"	"	2000	---	91	"	---	---	
Isopropylbenzene	1020	---	25.0	"	"	1000	---	102	"	---	---	
4-Isopropyltoluene	1060	---	25.0	"	"	"	---	106	"	---	---	
4-Methyl-2-pentanone (MIBK)	1820	---	500	"	"	2000	---	91	"	---	---	
Methyl tert-butyl ether (MTBE)	830	---	50.0	"	"	1000	---	83	"	---	---	
Methylene chloride	1000	---	250	"	"	"	---	100	"	---	---	
Naphthalene	952	---	250	"	"	"	---	95	"	---	---	
n-Propylbenzene	1000	---	25.0	"	"	"	---	100	"	---	---	
Styrene	1020	---	25.0	"	"	"	---	102	"	---	---	
1,1,1,2-Tetrachloroethane	992	---	50.0	"	"	"	---	99	"	---	---	
1,1,2,2-Tetrachloroethane	1080	---	25.0	"	"	"	---	108	"	---	---	
Tetrachloroethene (PCE)	938	---	25.0	"	"	"	---	94	"	---	---	
Toluene	967	---	100	"	"	"	---	97	"	---	---	
1,2,3-Trichlorobenzene	982	---	100	"	"	"	---	98	"	---	---	
1,2,4-Trichlorobenzene	954	---	100	"	"	"	---	95	"	---	---	
1,1,1-Trichloroethane	838	---	50.0	"	"	"	---	84	"	---	---	
1,1,2-Trichloroethane	986	---	25.0	"	"	"	---	99	"	---	---	
Trichloroethene (TCE)	956	---	25.0	"	"	"	---	96	"	---	---	
Trichlorofluoromethane	1080	---	250	"	"	"	---	108	"	---	---	
1,2,3-Trichloropropane	964	---	50.0	"	"	"	---	96	"	---	---	
1,2,4-Trimethylbenzene	1010	---	50.0	"	"	"	---	101	"	---	---	
1,3,5-Trimethylbenzene	1020	---	50.0	"	"	"	---	102	"	---	---	
Vinyl chloride	1060	---	25.0	"	"	"	---	106	"	---	---	
m,p-Xylene	1930	---	50.0	"	"	2000	---	97	"	---	---	
o-Xylene	981	---	25.0	"	"	1000	---	98	"	---	---	

Surr: Dibromofluoromethane (Surr)	Recovery: 99 %	Limits: 70-130 %	Dilution: 1x
1,4-Difluorobenzene (Surr)	103 %	70-130 %	"
Toluene-d8 (Surr)	101 %	70-130 %	"
4-Bromofluorobenzene (Surr)	98 %	70-130 %	"

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Philip Nerenberg, Lab Director

Geocon Northwest Inc.  
8283 SW Cirrus Dr  
Beaverton, OR 97008-6443

Project: **D Street Office Bldg.**  
Project Number: P1387-05-03  
Project Manager: Kevin Schleh

Reported:  
08/26/08 17:08

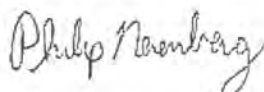
## QUALITY CONTROL (QC) SAMPLE RESULTS

### Volatile Organic Compounds by EPA 8260B

Analyte	Result	MDL	Reporting Limit	Units	Dil.	Spike Amount	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
<b>Soil</b>												
<b>Batch 8080217 - EPA 5035A</b>			<b>Source: A808174-01</b>			<b>Analyzed: 08/20/08 15:13</b>						
<b>Duplicate (8080217-DUP1)</b>												
<b>5035/8260B</b>												
Acetone	ND	---	1190	ug/kg dry	50	---	ND	---	---	---	30%	
Benzene	ND	---	14.9	"	"	---	ND	---	---	---	30%	
Bromobenzene	ND	---	29.8	"	"	---	ND	---	---	---	30%	
Bromochloromethane	ND	---	29.8	"	"	---	ND	---	---	---	30%	
Bromodichloromethane	ND	---	29.8	"	"	---	ND	---	---	---	30%	
Bromoform	ND	---	59.6	"	"	---	ND	---	---	---	30%	
Bromomethane	ND	---	596	"	"	---	ND	---	---	---	30%	
2-Butanone (MEK)	ND	---	596	"	"	---	ND	---	---	---	30%	
n-Butylbenzene	ND	---	29.8	"	"	---	ND	---	---	---	30%	
sec-Butylbenzene	ND	---	29.8	"	"	---	ND	---	---	---	30%	
tert-Butylbenzene	ND	---	29.8	"	"	---	ND	---	---	---	30%	
Carbon tetrachloride	ND	---	29.8	"	"	---	ND	---	---	---	30%	
Chlorobenzene	ND	---	29.8	"	"	---	ND	---	---	---	30%	
Chloroethane	ND	---	596	"	"	---	ND	---	---	---	30%	
Chloroform	ND	---	298	"	"	---	ND	---	---	---	30%	
Chloromethane	ND	---	298	"	"	---	ND	---	---	---	30%	
2-Chlorotoluene	ND	---	29.8	"	"	---	ND	---	---	---	30%	
4-Chlorotoluene	ND	---	29.8	"	"	---	ND	---	---	---	30%	
1,2-Dibromo-3-chloropropane	ND	---	119	"	"	---	ND	---	---	---	30%	
Dibromochloromethane	ND	---	59.6	"	"	---	ND	---	---	---	30%	
1,2-Dibromoethane (EDB)	ND	---	29.8	"	"	---	ND	---	---	---	30%	
Dibromomethane	ND	---	29.8	"	"	---	ND	---	---	---	30%	
1,2-Dichlorobenzene	ND	---	29.8	"	"	---	ND	---	---	---	30%	
1,3-Dichlorobenzene	ND	---	29.8	"	"	---	ND	---	---	---	30%	
1,4-Dichlorobenzene	ND	---	29.8	"	"	---	ND	---	---	---	30%	
Dichlorodifluoromethane	ND	---	59.6	"	"	---	ND	---	---	---	30%	
1,1-Dichloroethane	ND	---	29.8	"	"	---	ND	---	---	---	30%	
1,2-Dichloroethane (EDC)	ND	---	29.8	"	"	---	ND	---	---	---	30%	
1,1-Dichloroethene	ND	---	29.8	"	"	---	ND	---	---	---	30%	
cis-1,2-Dichloroethene	ND	---	29.8	"	"	---	ND	---	---	---	30%	
trans-1,2-Dichloroethene	ND	---	29.8	"	"	---	ND	---	---	---	30%	
1,2-Dichloropropane	ND	---	29.8	"	"	---	ND	---	---	---	30%	
1,3-Dichloropropane	ND	---	29.8	"	"	---	ND	---	---	---	30%	
2,2-Dichloropropane	ND	---	59.6	"	"	---	ND	---	---	---	30%	

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8283 SW Cirrus Dr  
Beaverton, OR 97008-6443

Project: D Street Office Bldg.  
Project Number: P1387-05-03  
Project Manager: Kevin Schleh

Reported:  
08/26/08 17:08

## QUALITY CONTROL (QC) SAMPLE RESULTS

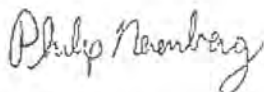
### Volatile Organic Compounds by EPA 8260B

Analyte	Result	MDL	Reporting Limit	Units	Dil.	Spike Amount	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
<b>Soil</b>												
<b>Batch 8080217 - EPA 5035A</b>												
<b>Duplicate (8080217-DUP1)</b>			<b>Source: A808174-01</b>				<b>Analyzed: 08/20/08 15:13</b>					
1,1-Dichloropropene	ND	---	29.8	µg/kg dry	"	---	ND	---	---	---	30%	
cis-1,3-Dichloropropene	ND	---	59.6	"	"	---	ND	---	---	---	30%	
trans-1,3-Dichloropropene	ND	---	59.6	"	"	---	ND	---	---	---	30%	
Ethylbenzene	ND	---	29.8	"	"	---	ND	---	---	---	30%	
Hexachlorobutadiene	ND	---	119	"	"	---	ND	---	---	---	30%	
2-Hexanone	ND	---	596	"	"	---	ND	---	---	---	30%	
Isopropylbenzene	ND	---	29.8	"	"	---	ND	---	---	---	30%	
4-Isopropyltoluene	ND	---	29.8	"	"	---	ND	---	---	---	30%	
4-Methyl-2-pentanone (MIBK)	ND	---	596	"	"	---	ND	---	---	---	30%	
Methyl tert-butyl ether (MTBE)	ND	---	59.6	"	"	---	ND	---	---	---	30%	
Methylene chloride	ND	---	298	"	"	---	ND	---	---	---	30%	
Naphthalene	ND	---	298	"	"	---	ND	---	---	---	30%	
n-Propylbenzene	ND	---	29.8	"	"	---	ND	---	---	---	30%	
Styrene	ND	---	29.8	"	"	---	ND	---	---	---	30%	
1,1,1,2-Tetrachloroethane	ND	---	59.6	"	"	---	ND	---	---	---	30%	
1,1,2,2-Tetrachloroethane	ND	---	29.8	"	"	---	ND	---	---	---	30%	
Tetrachloroethene (PCE)	ND	---	29.8	"	"	---	ND	---	---	---	30%	
Toluene	ND	---	119	"	"	---	ND	---	---	---	30%	
1,2,3-Trichlorobenzene	ND	---	119	"	"	---	ND	---	---	---	30%	
1,2,4-Trichlorobenzene	ND	---	119	"	"	---	ND	---	---	---	30%	
1,1,1-Trichloroethane	ND	---	59.6	"	"	---	ND	---	---	---	30%	
1,1,2-Trichloroethane	ND	---	29.8	"	"	---	ND	---	---	---	30%	
Trichloroethene (TCE)	ND	---	29.8	"	"	---	ND	---	---	---	30%	
Trichlorofluoromethane	ND	---	298	"	"	---	ND	---	---	---	30%	
1,2,3-Trichloropropane	ND	---	59.6	"	"	---	ND	---	---	---	30%	
1,2,4-Trimethylbenzene	ND	---	59.6	"	"	---	ND	---	---	---	30%	
1,3,5-Trimethylbenzene	ND	---	59.6	"	"	---	ND	---	---	---	30%	
Vinyl chloride	ND	---	29.8	"	"	---	ND	---	---	---	30%	
m,p-Xylene	ND	---	59.6	"	"	---	ND	---	---	---	30%	
o-Xylene	ND	---	29.8	"	"	---	ND	---	---	---	30%	

Surr: Dibromofluoromethane (Surr)	Recovery: 95 %	Limits: 70-130 %	Dilution: 1x
1,4-Difluorobenzene (Surr)	101 %	70-130 %	"
Toluene-d8 (Surr)	101 %	70-130 %	"
4-Bromofluorobenzene (Surr)	101 %	70-130 %	"

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8283 SW Cirrus Dr  
Beaverton, OR 97008-6443

Project: D Street Office Bldg.

Project Number: P1387-05-03

Project Manager: Kevin Schleh

Reported:

08/26/08 17:08

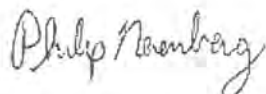
## QUALITY CONTROL (QC) SAMPLE RESULTS

### Volatile Organic Compounds by EPA 8260B

Analyte	Result	MDL	Reporting Limit	Units	Dil.	Spike Amount	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
<b>Batch 8080217 - EPA 5035A</b>						<b>Soil</b>						
<b>Matrix Spike (8080217-MS1)</b>			<b>Source: A808174-01</b>			<b>Analyzed: 08/20/08 15:46</b>						
<b>5035/8260B</b>												
Acetone	1980	---	1230	ug/kg dry	50	2490	ND	79	65-135%	---	---	
Benzene	1070	---	15.4	"	"	1250	ND	86	"	---	---	
Bromobenzene	1130	---	30.8	"	"	"	ND	91	"	---	---	
Bromochloromethane	1070	---	30.8	"	"	"	ND	86	"	---	---	
Bromodichloromethane	1140	---	30.8	"	"	"	ND	91	"	---	---	
Bromoform	1110	---	61.6	"	"	"	ND	89	"	---	---	
Bromomethane	1240	---	61.6	"	"	"	364	70	"	---	---	
2-Butanone (MEK)	1750	---	61.6	"	"	2490	ND	70	"	---	---	
n-Butylbenzene	1130	---	30.8	"	"	1250	ND	91	"	---	---	
sec-Butylbenzene	1250	---	30.8	"	"	"	ND	100	"	---	---	
tert-Butylbenzene	1210	---	30.8	"	"	"	ND	97	"	---	---	
Carbon tetrachloride	1030	---	30.8	"	"	"	ND	82	"	---	---	
Chlorobenzene	1130	---	30.8	"	"	"	ND	90	"	---	---	
Chloroethane	1510	---	61.6	"	"	"	ND	122	"	---	---	
Chloroform	1070	---	30.8	"	"	"	ND	86	"	---	---	
Chloromethane	1070	---	30.8	"	"	"	56.7	81	"	---	---	
2-Chlorotoluene	1140	---	30.8	"	"	"	ND	91	"	---	---	
4-Chlorotoluene	1130	---	30.8	"	"	"	ND	91	"	---	---	
1,2-Dibromo-3-chloropropane	1250	---	123	"	"	"	ND	101	"	---	---	
Dibromochloromethane	1010	---	61.6	"	"	"	ND	81	"	---	---	
1,2-Dibromoethane (EDB)	1200	---	30.8	"	"	"	ND	96	"	---	---	
Dibromomethane	1070	---	30.8	"	"	"	ND	86	"	---	---	
1,2-Dichlorobenzene	1130	---	30.8	"	"	"	ND	90	"	---	---	
1,3-Dichlorobenzene	1090	---	30.8	"	"	"	ND	88	"	---	---	
1,4-Dichlorobenzene	1090	---	30.8	"	"	"	ND	88	"	---	---	
Dichlorodifluoromethane	1080	---	61.6	"	"	"	ND	86	"	---	---	
1,1-Dichloroethane	1040	---	30.8	"	"	"	ND	84	"	---	---	
1,2-Dichloroethane (EDC)	925	---	30.8	"	"	"	ND	74	"	---	---	
1,1-Dichloroethene	1030	---	30.8	"	"	"	ND	82	"	---	---	
cis-1,2-Dichloroethene	1040	---	30.8	"	"	"	ND	83	"	---	---	
trans-1,2-Dichloroethene	1020	---	30.8	"	"	"	ND	82	"	---	---	
1,2-Dichloropropane	1110	---	30.8	"	"	"	ND	89	"	---	---	
1,3-Dichloropropane	1090	---	30.8	"	"	"	ND	88	"	---	---	
2,2-Dichloropropane	1080	---	61.6	"	"	"	ND	87	"	---	---	

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Philip Nerenberg, Lab Director

Geocon Northwest Inc.  
 8283 SW Cirrus Dr  
 Beaverton, OR 97008-6443

Project: D Street Office Bldg.  
 Project Number: P1387-05-03  
 Project Manager: Kevin Schleh

Reported:  
 08/26/08 17:08

## QUALITY CONTROL (QC) SAMPLE RESULTS

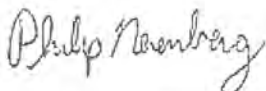
### Volatile Organic Compounds by EPA 8260B

Analyte	Result	MDL	Reporting Limit	Units	Dil.	Spike Amount	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
<b>Soil</b>												
<b>Batch 8080217 - EPA 5035A</b>												
<b>Matrix Spike (8080217-MS1)</b>			<b>Source: A808174-01</b>			<b>Analyzed: 08/20/08 15:46</b>						
1,1-Dichloropropene	996	---	30.8	ug/kg dry	"	"	ND	80	"	---	---	
cis-1,3-Dichloropropene	1190	---	61.6	"	"	"	ND	95	"	---	---	
trans-1,3-Dichloropropene	1170	---	61.6	"	"	"	ND	94	"	---	---	
Ethylbenzene	1140	---	30.8	"	"	"	ND	91	"	---	---	
Hexachlorobutadiene	1120	---	123	"	"	"	ND	90	"	---	---	
2-Hexanone	2090	---	616	"	"	2490	ND	84	"	---	---	
Isopropylbenzene	1320	---	30.8	"	"	1250	ND	106	"	---	---	
4-Isopropyltoluene	1230	---	30.8	"	"	"	ND	99	"	---	---	
4-Methyl-2-pentanone (MIBK)	2010	---	616	"	"	2490	ND	81	"	---	---	
Methyl tert-butyl ether (MTBE)	993	---	61.6	"	"	1250	ND	80	"	---	---	
Methylene chloride	1010	---	308	"	"	"	41.3	78	"	---	---	
Naphthalene	964	---	308	"	"	"	ND	77	"	---	---	
n-Propylbenzene	1160	---	30.8	"	"	"	ND	93	"	---	---	
Styrene	1150	---	30.8	"	"	"	ND	92	"	---	---	
1,1,1,2-Tetrachloroethane	1150	---	61.6	"	"	"	ND	92	"	---	---	
1,1,2,2-Tetrachloroethane	1190	---	30.8	"	"	"	ND	96	"	---	---	
Tetrachloroethene (PCE)	1110	---	30.8	"	"	"	ND	89	"	---	---	
Toluene	1120	---	123	"	"	"	15.4	89	"	---	---	
1,2,3-Trichlorobenzene	1060	---	123	"	"	"	ND	85	"	---	---	
1,2,4-Trichlorobenzene	1050	---	123	"	"	"	ND	84	"	---	---	
1,1,1-Trichloroethane	1010	---	61.6	"	"	"	ND	81	"	---	---	
1,1,2-Trichloroethane	1110	---	30.8	"	"	"	ND	89	"	---	---	
Trichloroethene (TCE)	1080	---	30.8	"	"	"	ND	87	"	---	---	
Trichlorofluoromethane	1180	---	308	"	"	"	ND	95	"	---	---	
1,2,3-Trichloropropane	1100	---	61.6	"	"	"	ND	89	"	---	---	
1,2,4-Trimethylbenzene	1150	---	61.6	"	"	"	ND	93	"	---	---	
1,3,5-Trimethylbenzene	1210	---	61.6	"	"	"	ND	97	"	---	---	
Vinyl chloride	1200	---	30.8	"	"	"	ND	96	"	---	---	
m,p-Xylene	2250	---	61.6	"	"	2490	ND	90	"	---	---	
o-Xylene	1130	---	30.8	"	"	1250	ND	91	"	---	---	

Surr: Dibromofluoromethane (Surr)	Recovery: 97 %	Limits: 70-130 %	Dilution: 1x
1,4-Difluorobenzene (Surr)	101 %	70-130 %	"
Toluene-d8 (Surr)	102 %	70-130 %	"
4-Bromofluorobenzene (Surr)	100 %	70-130 %	"

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Philip Nerenberg, Lab Director

Geocon Northwest Inc.  
8283 SW Cirrus Dr  
Beaverton, OR 97008-6443

Project: D Street Office Bldg.  
Project Number: P1387-05-03  
Project Manager: Kevin Schleh

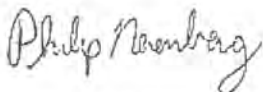
Reported:  
08/26/08 17:08

## QUALITY CONTROL (QC) SAMPLE RESULTS

### TCLP Metals by EPA 6020 (ICPMS)

Analyte	Result	MDL	Reporting Limit	Units	Dil.	Spike Amount	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
<b>Batch 8080229 - EPA 1311/3015</b>												
<b>Soil</b>												
<b>Blank (8080229-BLK1)</b>						<b>Analyzed: 08/20/08 17:20</b>						
EPA 1311/6020												
Arsenic	ND	---	0.100	mg/L	5	---	---	---	---	---	---	---
Barium	ND	---	1.25	"	"	---	---	---	---	---	---	---
Cadmium	ND	---	0.0500	"	"	---	---	---	---	---	---	---
Chromium	ND	---	0.100	"	"	---	---	---	---	---	---	---
Lead	ND	---	0.0500	"	"	---	---	---	---	---	---	---
Mercury	ND	---	0.00400	"	"	---	---	---	---	---	---	---
Selenium	ND	---	0.0500	"	"	---	---	---	---	---	---	---
Silver	ND	---	0.100	"	"	---	---	---	---	---	---	---
<b>LCS (8080229-BS1)</b>						<b>Analyzed: 08/20/08 17:23</b>						
EPA 1311/6020												
Arsenic	2.63	---	0.100	mg/L	5	2.50	---	105	80-120%	---	---	---
Barium	2.75	---	1.25	"	"	"	---	110	"	---	---	---
Cadmium	2.63	---	0.0500	"	"	"	---	105	"	---	---	---
Chromium	2.60	---	0.100	"	"	"	---	104	"	---	---	---
Lead	2.40	---	0.0500	"	"	"	---	96	"	---	---	---
Mercury	0.0960	---	0.00400	"	"	0.100	---	96	"	---	---	---
Selenium	1.30	---	0.0500	"	"	1.25	---	104	"	---	---	---
Silver	1.28	---	0.100	"	"	"	---	102	"	---	---	---
<b>Matrix Spike (8080229-MS1)</b>						<b>Source: A808174-01 Analyzed: 08/20/08 17:56</b>						
EPA 1311/6020												
Arsenic	2.62	---	0.100	mg/L	5	2.50	ND	105	50-150%	---	---	---
Barium	3.23	---	1.25	"	"	"	0.688	102	"	---	---	---
Cadmium	2.61	---	0.0500	"	"	"	0.0155	104	"	---	---	---
Chromium	2.58	---	0.100	"	"	"	0.00850	103	"	---	---	---
Lead	2.38	---	0.0500	"	"	"	ND	95	"	---	---	---
Mercury	0.0965	---	0.00400	"	"	0.100	ND	96	"	---	---	---
Selenium	1.29	---	0.0500	"	"	1.25	ND	103	"	---	---	---
Silver	1.27	---	0.100	"	"	"	ND	101	"	---	---	---

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Philip Nerenberg, Lab Director

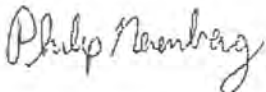
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Geocon Northwest Inc. 8283 SW Cirrus Dr Beaverton, OR 97008-6443	Project: <b>D Street Office Bldg.</b> Project Number: P1387-05-03 Project Manager: Kevin Schleh	Reported: 08/26/08 17:08
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### QUALITY CONTROL (QC) SAMPLE RESULTS

<b>Percent Dry Weight by D2216</b>
------------------------------------

Analyte	Result	MDL	Reporting Limit	Units	Dil.	Spike Amount	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
<b>Batch 8080208 - Dry Weight</b>						<b>Soil</b>						
Duplicate (8080208-DUP2)			Source: A808174-01			Analyzed: 08/20/08 08:09						
<b>D2216</b>												
% Solids	88.0	---	1.00	% by Weight	1	---	87.9	---	---	0.1	20%	



Geocon Northwest Inc.  
 8283 SW Cirrus Dr  
 Beaverton, OR 97008-6443

Project: **D Street Office Bldg.**  
 Project Number: P1387-05-03  
 Project Manager: Kevin Schleh

Reported:  
 08/26/08 17:08

### SAMPLE PREPARATION INFORMATION

#### Diesel Range (C10-C22) and Oil Range (C22-C40) Hydrocarbons by NWTPH-Dx - Silica Gel Cleanup

**Prep: EPA 3546 (Fuels)**

Lab Number	Matrix	Method	Sampled	Prepared	Sample Initial/Final	Default Initial/Final	RL Prep Factor
<b>Batch: 8080211</b>							
A808174-01RE1	Soil	NWTPH-Dx	08/19/08 13:00	08/19/08 16:15	10.65g/5mL	15g/5mL	1.41

#### Gasoline Range (C6-C10) Hydrocarbons by NWTPH-Gx

**Prep: EPA 5035A**

Lab Number	Matrix	Method	Sampled	Prepared	Sample Initial/Final	Default Initial/Final	RL Prep Factor
<b>Batch: 8080217</b>							
A808174-01	Soil	NWTPH-Gx	08/19/08 13:00	08/19/08 14:17	10.39g/10mL	10g/10mL	0.96

#### Volatile Organic Compounds by EPA 8260B

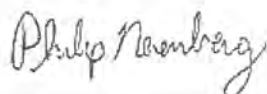
**Prep: EPA 5035A**

Lab Number	Matrix	Method	Sampled	Prepared	Sample Initial/Final	Default Initial/Final	RL Prep Factor
<b>Batch: 8080217</b>							
A808174-01	Soil	5035/8260B	08/19/08 13:00	08/19/08 14:17	10.39g/10mL	10g/10mL	0.96

#### TCLP Metals by EPA 6020 (ICPMS)

**Prep: EPA 1311/3015**

Lab Number	Matrix	Method	Sampled	Prepared	Sample Initial/Final	Default Initial/Final	RL Prep Factor
<b>Batch: 8080229</b>							
A808174-01	Soil	EPA 1311/6020	08/19/08 13:00	08/20/08 11:52	5mL/50mL	5mL/50mL	1.00





**Geocon Northwest Inc.**

8283 SW Cirrus Dr  
Beaverton, OR 97008-6443

Project: **D Street Office Bldg.**

Project Number: P1387-05-03

Project Manager: Kevin Schleh

Reported:

08/26/08 17.08

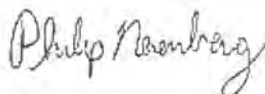
## Notes and Definitions

### Qualifiers:

- F-03 The result for this hydrocarbon range is elevated due to the presence of individual analyte peaks in the quantitation range that are not representative of the fuel pattern reported.
- V-06 Sample aliquot was subsampled from a soil jar without significant headspace. The subsampled aliquot was preserved in methanol within 48 hours of sampling.

### Notes and Conventions:

- DET Analyte DETECTED
- ND Analyte NOT DETECTED at or above the reporting limit
- NR Not Reported
- dry Sample results reported on a dry weight basis
- RPD Relative Percent Difference
- MDL If MDL is not listed, data has been evaluated to the Method Reporting Limit only.
- Batch Unless specifically stated, all analyses include full Batch QC, including Sample Duplicates, Matrix Spikes and/or Matrix Spike Duplicates, in order to meet or exceed method and regulatory requirements. This report contains only results for Batch QC derived from samples included in this report. Complete Batch QC results are available upon request. In cases where there is insufficient sample provided for Sample Duplicates and/or Matrix Spikes, a Lab Control Sample Duplicate (LCS Dup) is analyzed to demonstrate accuracy and precision of the extraction and analysis



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8283 SW Cirrus Dr  
Beaverton, OR 97008-6443

Project: **D Street Office Bldg.**  
Project Number: P1387-05-03  
Project Manager: Kevin Schleh

Reported:  
08/26/08 17:08

**APEX LABS**

12232 S.W. Garden Place, Tigard, OR 97223 PHL 503-718-2323 Fax 503-718-0333

**CHAIN OF CUSTODY**

Company: Geocon Northwest Project Name: D Street Office Bldg Project #: P1387-05-03  
 Address: 8283 SW Cirrus Dr Beaverton, OR Phone: 503 265 8871 Fax: \_\_\_\_\_  
 Submitted by: Kevin Schleh

Lab # 188874 coc Lot # \_\_\_\_\_

ANALYSIS REQUEST

1200-Z	<input checked="" type="checkbox"/>
1200-COLS	<input checked="" type="checkbox"/>
TECLP Metals (P)	<input checked="" type="checkbox"/>
Se. Ag, Ni, Ti, V, Zn	<input checked="" type="checkbox"/>
Hg, Mn, Pb, Se, Si, Ni, Rn	<input checked="" type="checkbox"/>
Co, Cr, Cu, Ca, Fe, Pb	<input checked="" type="checkbox"/>
As, Sb, Ar, Ba, Bi, Br, Cd	<input checked="" type="checkbox"/>
Primary Metals (13)	<input checked="" type="checkbox"/>
HCRA Metals (6)	<input checked="" type="checkbox"/>
ES&T Chalc. PCB	<input checked="" type="checkbox"/>
ES&T PCBs	<input checked="" type="checkbox"/>
ES&T SEM PAHs	<input checked="" type="checkbox"/>
ES&T VOCs	<input checked="" type="checkbox"/>
ES&T SVOCs	<input checked="" type="checkbox"/>
ES&T RUDN VOCs	<input checked="" type="checkbox"/>
BTEX	<input checked="" type="checkbox"/>
NMTPL-Cd	<input checked="" type="checkbox"/>
NMTPL-Pb	<input checked="" type="checkbox"/>
NMTPL-HCd	<input checked="" type="checkbox"/>
# OF CONTAINERS	<input checked="" type="checkbox"/>
MATRIX	<input checked="" type="checkbox"/>
TIME	<input checked="" type="checkbox"/>
DATE	<input checked="" type="checkbox"/>
LAD ID #	<input checked="" type="checkbox"/>

SAMPLE ID: Dwy

Normal Turn Around Time (TAT) = 5-10 Business Days

TAT Requested (circle): 4 DAY 5 DAY Others \_\_\_\_\_

24 HR 48 HR 72 HR

SPECIAL INSTRUCTIONS:

RECEIVED BY: \_\_\_\_\_ DATE: \_\_\_\_\_

Signature: \_\_\_\_\_ Title: \_\_\_\_\_

Company: Geocon Northwest

*Philip Nerenberg*

# Apex Labs

12232 S.W. Garden Place  
Tigard, OR 97223  
503-718-2323 Phone  
503-718-0333 Fax

Friday, September 5, 2008

Kevin Schleh  
Geocon Northwest Inc.  
8283 SW Cirrus Dr  
Beaverton, OR 97008-6443

RE: D Street Office Bldg. / P1387-05-03

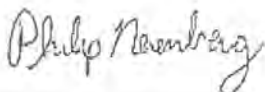
Enclosed are the results of analyses for work order A809017, which was received by the laboratory on 9/2/2008 at 3:35:00PM.

Thank you for using Apex Labs. We appreciate your business and strive to provide the highest quality services to the environmental industry.

If you have any questions concerning this report or the services we offer, please feel free to contact me by email at: [pnerenberg@apex-labs.com](mailto:pnerenberg@apex-labs.com), or by phone at 503-718-2323.

---

Apex Laboratories



Philip Nerenberg, Lab Director

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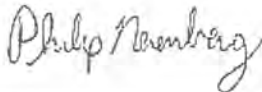
Reported:  
09/05/08 16:29

## ANALYTICAL REPORT FOR SAMPLES

### SAMPLE INFORMATION

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
DW-2	A809017-01	Soil	09/02/08 13:00	09/02/08 15:35
DW-3	A809017-02	Soil	09/02/08 13:20	09/02/08 15:35

Apex Laboratories



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 8283 SW Cirrus Dr  
 Beaverton, OR 97008-6443

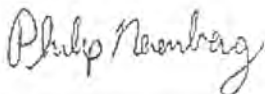
Project: **D Street Office Bldg.**  
 Project Number: P1387-05-03  
 Project Manager: Kevin Schleh

Reported:  
 09/05/08 16:29

## ANALYTICAL SAMPLE RESULTS

### Diesel Range (C10-C22) and Oil Range (C22-C40) Hydrocarbons by NWTPH-Dx - Silica Gel Cleanup

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Date Analyzed	Method	Notes
			<b>Matrix: Soil</b>					
DW-2 (A809017-01)								
Diesel Range Organics	ND	---	28.9	mg/kg dry	1	09/03/08 18:32	NWTPH-Dx	
Oil Range Organics	58.7	---	57.7	"	"	"	"	F-03
<i>Surrogate: o-Terphenyl (Surr)</i>		<i>Recovery: 95 %</i>		<i>Limits: 50-150 %</i>		"	"	"
			<b>Matrix: Soil</b>					
DW-3 (A809017-02RE1)								
Diesel Range Organics	147	---	40.7	mg/kg dry	1	09/04/08 10:26	NWTPH-Dx	F-03
Oil Range Organics	393	---	81.3	"	"	"	"	F-03
<i>Surrogate: o-Terphenyl (Surr)</i>		<i>Recovery: 57 %</i>		<i>Limits: 50-150 %</i>		"	"	"



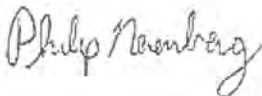
Geocon Northwest Inc. 8283 SW Cirrus Dr Beaverton, OR 97008-6443	Project: <b>D Street Office Bldg.</b> Project Number: P1387-05-03 Project Manager: Kevin Schleh	Reported: 09/05/08 16:29
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## ANALYTICAL SAMPLE RESULTS

### Gasoline Range (C6-C10) Hydrocarbons by NWTPH-Gx

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Date Analyzed	Method	Notes
<b>DW-2 (A809017-01)</b>			<b>Matrix: Soil</b>					<b>V-06</b>
Gasoline Range Organics	ND	---	6.24	mg/kg dry	50	09/04/08 12:04	NWTPH-Gx	
Surrogate: 4-Bromofluorobenzene (Sur)			Recovery: 84 %	Limits: 50-150 %	1	"	"	
1,4-Difluorobenzene (Sur)			80 %	Limits: 50-150 %	"	"	"	
<b>DW-3 (A809017-02)</b>			<b>Matrix: Soil</b>					<b>V-06</b>
Gasoline Range Organics	ND	---	9.56	mg/kg dry	50	09/04/08 13:00	NWTPH-Gx	
Surrogate: 4-Bromofluorobenzene (Sur)			Recovery: 84 %	Limits: 50-150 %	1	"	"	
1,4-Difluorobenzene (Sur)			81 %	Limits: 50-150 %	"	"	"	

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Geocon Northwest Inc.  
 8283 SW Cirrus Dr  
 Beaverton, OR 97008-6443

Project: D Street Office Bldg.  
 Project Number: P1387-05-03  
 Project Manager: Kevin Schleh

Reported:  
 09/05/08 16:29

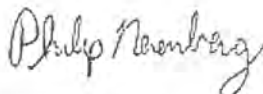
## ANALYTICAL SAMPLE RESULTS

### Volatile Organic Compounds by EPA 8260B

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Date Analyzed	Method	Notes
<b>DW-2 (A809017-01)</b>			<b>Matrix: Soil</b>					<b>V-06</b>
Acetone	ND	---	1560	ug/kg dry	50	09/04/08 12:04	5035/8260B	
Benzene	ND	---	19.5	"	"	"	"	
Bromobenzene	ND	---	39.0	"	"	"	"	
Bromochloromethane	ND	---	39.0	"	"	"	"	
Bromodichloromethane	ND	---	39.0	"	"	"	"	
Bromoform	ND	---	78.0	"	"	"	"	
Bromomethane	ND	---	780	"	"	"	"	
2-Butanone (MEK)	ND	---	780	"	"	"	"	
n-Butylbenzene	ND	---	39.0	"	"	"	"	
sec-Butylbenzene	ND	---	39.0	"	"	"	"	
tert-Butylbenzene	ND	---	39.0	"	"	"	"	
Carbon tetrachloride	ND	---	39.0	"	"	"	"	
Chlorobenzene	ND	---	39.0	"	"	"	"	
Chloroethane	ND	---	780	"	"	"	"	
Chloroform	ND	---	390	"	"	"	"	
Chloromethane	ND	---	390	"	"	"	"	
2-Chlorotoluene	ND	---	39.0	"	"	"	"	
4-Chlorotoluene	ND	---	39.0	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	---	156	"	"	"	"	
Dibromochloromethane	ND	---	78.0	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	---	39.0	"	"	"	"	
Dibromomethane	ND	---	39.0	"	"	"	"	
1,2-Dichlorobenzene	ND	---	39.0	"	"	"	"	
1,3-Dichlorobenzene	ND	---	39.0	"	"	"	"	
1,4-Dichlorobenzene	ND	---	39.0	"	"	"	"	
Dichlorodifluoromethane	ND	---	78.0	"	"	"	"	
1,1-Dichloroethane	ND	---	39.0	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	---	39.0	"	"	"	"	
1,1-Dichloroethene	ND	---	39.0	"	"	"	"	
cis-1,2-Dichloroethene	ND	---	39.0	"	"	"	"	
trans-1,2-Dichloroethene	ND	---	39.0	"	"	"	"	
1,2-Dichloropropane	ND	---	39.0	"	"	"	"	
1,3-Dichloropropane	ND	---	39.0	"	"	"	"	
2,2-Dichloropropane	ND	---	78.0	"	"	"	"	

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Project: **D Street Office Bldg.**  
 Project Number: P1387-05-03  
 Project Manager: Kevin Schleh

Reported:  
 09/05/08 16:29

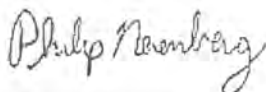
## ANALYTICAL SAMPLE RESULTS

### Volatile Organic Compounds by EPA 8260B

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Date Analyzed	Method	Notes	
<b>DW-2 (A809017-01)</b>			<b>Matrix: Soil</b>						<b>V-06</b>
1,1-Dichloropropene	ND	---	39.0	ug/kg dry	50	"	5035/8260B		
cis-1,3-Dichloropropene	ND	---	78.0	"	"	"	"		
trans-1,3-Dichloropropene	ND	---	78.0	"	"	"	"		
Ethylbenzene	ND	---	39.0	"	"	"	"		
Hexachlorobutadiene	ND	---	156	"	"	"	"		
2-Hexanone	ND	---	780	"	"	"	"		
Isopropylbenzene	ND	---	39.0	"	"	"	"		
4-Isopropyltoluene	ND	---	39.0	"	"	"	"		
4-Methyl-2-pentanone (MIBK)	ND	---	780	"	"	"	"		
Methyl tert-butyl ether (MTBE)	ND	---	78.0	"	"	"	"		
Methylene chloride	ND	---	390	"	"	"	"		
Naphthalene	ND	---	390	"	"	"	"		
n-Propylbenzene	ND	---	39.0	"	"	"	"		
Styrene	ND	---	39.0	"	"	"	"		
1,1,1,2-Tetrachloroethane	ND	---	78.0	"	"	"	"		
1,1,1,2,2-Tetrachloroethane	ND	---	39.0	"	"	"	"		
Tetrachloroethene (PCE)	ND	---	39.0	"	"	"	"		
Toluene	ND	---	156	"	"	"	"		
1,2,3-Trichlorobenzene	ND	---	156	"	"	"	"		
1,2,4-Trichlorobenzene	ND	---	156	"	"	"	"		
1,1,1-Trichloroethane	ND	---	78.0	"	"	"	"		
1,1,2-Trichloroethane	ND	---	39.0	"	"	"	"		
Trichloroethene (TCE)	ND	---	39.0	"	"	"	"		
Trichlorofluoromethane	ND	---	390	"	"	"	"		
1,2,3-Trichloropropane	ND	---	78.0	"	"	"	"		
1,2,4-Trimethylbenzene	ND	---	78.0	"	"	"	"		
1,3,5-Trimethylbenzene	ND	---	78.0	"	"	"	"		
Vinyl chloride	ND	---	39.0	"	"	"	"		
m,p-Xylene	ND	---	78.0	"	"	"	"		
o-Xylene	ND	---	39.0	"	"	"	"		
<i>Surrogate: Dibromofluoromethane (Surr)</i>		<i>Recovery: 100 %</i>		<i>Limits: 70-130 %</i>	1	"	"		
<i>1,4-Difluorobenzene (Surr)</i>		<i>99 %</i>		<i>Limits: 70-130 %</i>	"	"	"		
<i>Toluene-d8 (Surr)</i>		<i>100 %</i>		<i>Limits: 70-130 %</i>	"	"	"		
<i>4-Bromofluorobenzene (Surr)</i>		<i>103 %</i>		<i>Limits: 70-130 %</i>	"	"	"		

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Geocon Northwest Inc.  
8283 SW Cirrus Dr  
Beaverton, OR 97008-6443

Project: D Street Office Bldg.  
Project Number: P1387-05-03  
Project Manager: Kevin Schleh

Reported:  
09/05/08 16:29

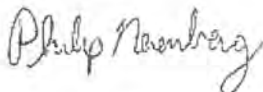
## ANALYTICAL SAMPLE RESULTS

### Volatile Organic Compounds by EPA 8260B

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Date Analyzed	Method	Notes	
			<b>Matrix: Soil</b>					<b>V-06</b>	
DW-3 (A809017-02)									
Acetone	ND	---	2390	µg/kg dry	50	09/04/08 13:00	5035/8260B		
Benzene	ND	---	29.9	"	"	"	"		
Bromobenzene	ND	---	59.7	"	"	"	"		
Bromochloromethane	ND	---	59.7	"	"	"	"		
Bromodichloromethane	ND	---	59.7	"	"	"	"		
Bromoform	ND	---	119	"	"	"	"		
Bromomethane	ND	---	1190	"	"	"	"		
2-Butanone (MEK)	ND	---	1190	"	"	"	"		
n-Butylbenzene	ND	---	59.7	"	"	"	"		
sec-Butylbenzene	ND	---	59.7	"	"	"	"		
tert-Butylbenzene	ND	---	59.7	"	"	"	"		
Carbon tetrachloride	ND	---	59.7	"	"	"	"		
Chlorobenzene	ND	---	59.7	"	"	"	"		
Chloroethane	ND	---	1190	"	"	"	"		
Chloroform	ND	---	59.7	"	"	"	"		
Chloromethane	ND	---	59.7	"	"	"	"		
2-Chlorotoluene	ND	---	59.7	"	"	"	"		
4-Chlorotoluene	ND	---	59.7	"	"	"	"		
1,2-Dibromo-3-chloropropane	ND	---	239	"	"	"	"		
Dibromochloromethane	ND	---	119	"	"	"	"		
1,2-Dibromoethane (EDB)	ND	---	59.7	"	"	"	"		
Dibromomethane	ND	---	59.7	"	"	"	"		
1,2-Dichlorobenzene	ND	---	59.7	"	"	"	"		
1,3-Dichlorobenzene	ND	---	59.7	"	"	"	"		
1,4-Dichlorobenzene	ND	---	59.7	"	"	"	"		
Dichlorodifluoromethane	ND	---	119	"	"	"	"		
1,1-Dichloroethane	ND	---	59.7	"	"	"	"		
1,2-Dichloroethane (EDC)	ND	---	59.7	"	"	"	"		
1,1-Dichloroethene	ND	---	59.7	"	"	"	"		
cis-1,2-Dichloroethene	ND	---	59.7	"	"	"	"		
trans-1,2-Dichloroethene	ND	---	59.7	"	"	"	"		
1,2-Dichloropropane	ND	---	59.7	"	"	"	"		
1,3-Dichloropropane	ND	---	59.7	"	"	"	"		
2,2-Dichloropropane	ND	---	119	"	"	"	"		

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Geocon Northwest Inc.  
 8283 SW Citrus Dr  
 Beaverton, OR 97008-6443

Project: D Street Office Bldg.  
 Project Number: P1387-05-03  
 Project Manager: Kevin Schleh

Reported:  
 09/05/08 16:29

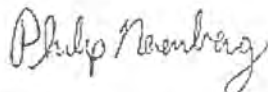
## ANALYTICAL SAMPLE RESULTS

### Volatile Organic Compounds by EPA 8260B

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Date Analyzed	Method	Notes
			<b>Matrix: Soil</b>					<b>V-06</b>
DW-3 (A809017-02)							5035/8260B	
1,1-Dichloropropene	ND	---	59.7	ug/kg dry	50	"	"	
cis-1,3-Dichloropropene	ND	---	119	"	"	"	"	
trans-1,3-Dichloropropene	ND	---	119	"	"	"	"	
Ethylbenzene	ND	---	59.7	"	"	"	"	
Hexachlorobutadiene	ND	---	239	"	"	"	"	
2-Hexanone	ND	---	1190	"	"	"	"	
Isopropylbenzene	ND	---	59.7	"	"	"	"	
4-Isopropyltoluene	ND	---	59.7	"	"	"	"	
4-Methyl-2-pentanone (MIBK)	ND	---	1190	"	"	"	"	
Methyl tert-butyl ether (MTBE)	ND	---	119	"	"	"	"	
Methylene chloride	ND	---	59.7	"	"	"	"	
Naphthalene	ND	---	59.7	"	"	"	"	
n-Propylbenzene	ND	---	59.7	"	"	"	"	
Styrene	ND	---	59.7	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	---	119	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	---	59.7	"	"	"	"	
Tetrachloroethene (PCE)	ND	---	59.7	"	"	"	"	
Toluene	ND	---	239	"	"	"	"	
1,2,3-Trichlorobenzene	ND	---	239	"	"	"	"	
1,2,4-Trichlorobenzene	ND	---	239	"	"	"	"	
1,1,1-Trichloroethane	ND	---	119	"	"	"	"	
1,1,2-Trichloroethane	ND	---	59.7	"	"	"	"	
Trichloroethene (TCE)	ND	---	59.7	"	"	"	"	
Trichlorofluoromethane	ND	---	59.7	"	"	"	"	
1,2,3-Trichloropropane	ND	---	119	"	"	"	"	
1,2,4-Trimethylbenzene	ND	---	119	"	"	"	"	
1,3,5-Trimethylbenzene	ND	---	119	"	"	"	"	
Vinyl chloride	ND	---	59.7	"	"	"	"	
m,p-Xylene	ND	---	119	"	"	"	"	
o-Xylene	ND	---	59.7	"	"	"	"	
<i>Surrogate: Dibromofluoromethane (Surr)</i>			<i>Recovery: 102 %</i>	<i>Limits: 70-130 %</i>	1	"	"	
<i>1,4-Difluorobenzene (Surr)</i>			<i>99 %</i>	<i>Limits: 70-130 %</i>	"	"	"	
<i>Toluene-d8 (Surr)</i>			<i>101 %</i>	<i>Limits: 70-130 %</i>	"	"	"	
<i>4-Bromofluorobenzene (Surr)</i>			<i>105 %</i>	<i>Limits: 70-130 %</i>	"	"	"	

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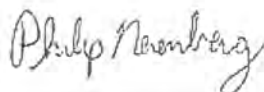
Philip Nerenberg, Lab Director

<b>Geocon Northwest Inc.</b>	Project: <b>D Street Office Bldg.</b>	Reported:
8283 SW Cirrus Dr	Project Number: P1387-05-03	09/05/08 16:29
Beaverton, OR 97008-6443	Project Manager: Kevin Schleh	

## ANALYTICAL SAMPLE RESULTS

### TCLP Metals by EPA 6020 (ICPMS)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Date Analyzed	Method	Notes
<b>DW-2 (A809017-01)</b>			<b>Matrix: Soil</b>					
Arsenic	ND	---	0.100	mg/L	5	09/04/08 16:46	EPA 1311/6020	
Barium	ND	---	1.25	"	"	"	"	
Cadmium	ND	---	0.0500	"	"	"	"	
Chromium	ND	---	0.100	"	"	"	"	
Lead	ND	---	0.0500	"	"	"	"	
Mercury	ND	---	0.00400	"	"	"	"	
Selenium	ND	---	0.0500	"	"	"	"	
Silver	ND	---	0.100	"	"	"	"	
<b>DW-3 (A809017-02)</b>			<b>Matrix: Soil</b>					
Arsenic	ND	---	0.100	mg/L	5	09/04/08 17:56	EPA 1311/6020	
Barium	ND	---	1.25	"	"	"	"	
Cadmium	ND	---	0.0500	"	"	"	"	
Chromium	ND	---	0.100	"	"	"	"	
<b>Lead</b>	<b>0.478</b>	---	0.0500	"	"	"	"	
Mercury	ND	---	0.00400	"	"	"	"	
Selenium	ND	---	0.0500	"	"	"	"	
Silver	ND	---	0.100	"	"	"	"	



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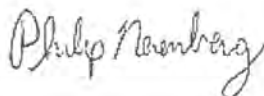
Project: **D Street Office Bldg.**  
 Project Number: P1387-05-03  
 Project Manager: Kevin Schleh

Reported:  
 09/05/08 16:29

## ANALYTICAL SAMPLE RESULTS

### Percent Dry Weight by D2216

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Date Analyzed	Method	Notes
<b>DW-2 (A809017-01)</b>			<b>Matrix: Soil</b>					
% Solids	74.8	---	1.00	% by Weight	1	09/04/08 09:01	D2216	
<b>DW-3 (A809017-02)</b>			<b>Matrix: Soil</b>					
% Solids	57.6	---	1.00	% by Weight	1	09/04/08 09:01	D2216	



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Beaverton, OR 97008-6443

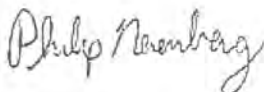
Project: D Street Office Bldg.  
Project Number: P1387-05-03  
Project Manager: Kevin Schleh

Reported:  
09/05/08 16:29

## QUALITY CONTROL (QC) SAMPLE RESULTS

### Diesel Range (C10-C22) and Oil Range (C22-C40) Hydrocarbons by NWTPH-Dx - Silica Gel Cleanup

Analyte	Result	MDL	Reporting Limit	Units	Dil.	Spike Amount	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
<b>Batch 8090028 - EPA 3546 (Fuels)</b>						<b>Soil</b>						
<b>Blank (8090028-BLK2)</b>						<b>Analyzed: 09/04/08 09:07</b>						
<b>NWTPH-Dx</b>												
Diesel Range Organics	ND	---	20.0	mg/kg wet	1	---	---	---	---	---	---	
Oil Range Organics	ND	---	40.0	"	"	---	---	---	---	---	---	
<i>Surr: o-Terphenyl (Surr)</i>			<i>Recovery: 109 %</i>		<i>Limits: 50-150 %</i>		<i>Dilution: 1x</i>					
<b>LCS (8090028-BS2)</b>						<b>Analyzed: 09/04/08 10:07</b>						
<b>NWTPH-Dx</b>												
Diesel Range Organics	93.7	---	20.0	mg/kg wet	1	83.3	---	112	75-125%	---	---	
Oil Range Organics	98.5	---	40.0	"	"	"	---	118	"	---	---	
<i>Surr: o-Terphenyl (Surr)</i>			<i>Recovery: 99 %</i>		<i>Limits: 50-150 %</i>		<i>Dilution: 1x</i>					
<b>Duplicate (8090028-DUP2)</b>						<b>Source: A809017-02</b>			<b>Analyzed: 09/04/08 10:45</b>			
<b>NWTPH-Dx</b>												
Diesel Range Organics	243	---	46.6	mg/kg dry	1	---	153	---	---	45	40%	F-03, Q-17
Oil Range Organics	567	---	93.2	"	"	---	413	---	---	32	40%	F-03
<i>Surr: o-Terphenyl (Surr)</i>			<i>Recovery: 91 %</i>		<i>Limits: 50-150 %</i>		<i>Dilution: 1x</i>					



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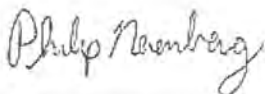
Project: D Street Office Bldg.  
 Project Number: P1387-05-03  
 Project Manager: Kevin Schleh

Reported:  
 09/05/08 16:29

## QUALITY CONTROL (QC) SAMPLE RESULTS

### Gasoline Range (C6-C10) Hydrocarbons by NWTPH-Gx

Analyte	Result	MDL	Reporting Limit	Units	Dil.	Spike Amount	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
<b>Batch 8090017 - EPA 5035A</b>						<b>Soil</b>						
<b>Blank (8090017-BLK1)</b>						<b>Analyzed: 09/04/08 11:37</b>						
<b>NWTPH-Gx</b>												
Gasoline Range Organics	ND	---	4.00	mg/kg wet	50	---	---	---	---	---	---	---
<i>Surr: 4-Bromofluorobenzene (Sur)</i>			<i>Recovery: 86 %</i>		<i>Limits: 50-150 %</i>		<i>Dilution: 1x</i>					
<i>1,4-Difluorobenzene (Sur)</i>			<i>81 %</i>		<i>50-150 %</i>		<i>"</i>					
<b>LCS (8090017-BS2)</b>						<b>Analyzed: 09/04/08 11:10</b>						
<b>NWTPH-Gx</b>												
Gasoline Range Organics	21.3	---	4.00	mg/kg wet	50	25.0	---	85	70-130%	---	---	
<i>Surr: 4-Bromofluorobenzene (Sur)</i>			<i>Recovery: 81 %</i>		<i>Limits: 50-150 %</i>		<i>Dilution: 1x</i>					
<i>1,4-Difluorobenzene (Sur)</i>			<i>83 %</i>		<i>50-150 %</i>		<i>"</i>					
<b>Duplicate (8090017-DUP1)</b>						<b>Source: A809017-01</b>			<b>Analyzed: 09/04/08 12:33</b>			
<b>NWTPH-Gx</b>												
Gasoline Range Organics	ND	---	6.48	mg/kg dry	50	---	ND	---	---	---	30%	
<i>Surr: 4-Bromofluorobenzene (Sur)</i>			<i>Recovery: 84 %</i>		<i>Limits: 50-150 %</i>		<i>Dilution: 1x</i>					
<i>1,4-Difluorobenzene (Sur)</i>			<i>81 %</i>		<i>50-150 %</i>		<i>"</i>					



<b>Geocon Northwest Inc.</b> 8283 SW Cirrus Dr Beaverton, OR 97008-6443	Project: <b>D Street Office Bldg.</b> Project Number: P1387-05-03 Project Manager: Kevin Schleh	Reported: 09/05/08 16:29
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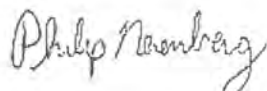
## QUALITY CONTROL (QC) SAMPLE RESULTS

### Volatile Organic Compounds by EPA 8260B

Analyte	Result	MDL	Reporting Limit	Units	Dil.	Spike Amount	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
<b>Batch 8090017 - EPA 5035A</b>						<b>Soil</b>						
<b>Blank (8090017-BLK1)</b>						<b>Analyzed: 09/04/08 11:37</b>						
<b>5035/8260B</b>												
Acetone	ND	---	1000	ug/kg wet	50	---	---	---	---	---	---	---
Benzene	ND	---	12.5	"	"	---	---	---	---	---	---	---
Bromobenzene	ND	---	25.0	"	"	---	---	---	---	---	---	---
Bromochloromethane	ND	---	25.0	"	"	---	---	---	---	---	---	---
Bromodichloromethane	ND	---	25.0	"	"	---	---	---	---	---	---	---
Bromoform	ND	---	50.0	"	"	---	---	---	---	---	---	---
Bromomethane	ND	---	500	"	"	---	---	---	---	---	---	---
2-Butanone (MEK)	ND	---	500	"	"	---	---	---	---	---	---	---
n-Butylbenzene	ND	---	25.0	"	"	---	---	---	---	---	---	---
sec-Butylbenzene	ND	---	25.0	"	"	---	---	---	---	---	---	---
tert-Butylbenzene	ND	---	25.0	"	"	---	---	---	---	---	---	---
Carbon tetrachloride	ND	---	25.0	"	"	---	---	---	---	---	---	---
Chlorobenzene	ND	---	25.0	"	"	---	---	---	---	---	---	---
Chloroethane	ND	---	500	"	"	---	---	---	---	---	---	---
Chloroform	ND	---	250	"	"	---	---	---	---	---	---	---
Chloromethane	ND	---	250	"	"	---	---	---	---	---	---	---
2-Chlorotoluene	ND	---	25.0	"	"	---	---	---	---	---	---	---
4-Chlorotoluene	ND	---	25.0	"	"	---	---	---	---	---	---	---
1,2-Dibromo-3-chloropropane	ND	---	100	"	"	---	---	---	---	---	---	---
Dibromochloromethane	ND	---	50.0	"	"	---	---	---	---	---	---	---
1,2-Dibromoethane (EDB)	ND	---	25.0	"	"	---	---	---	---	---	---	---
Dibromomethane	ND	---	25.0	"	"	---	---	---	---	---	---	---
1,2-Dichlorobenzene	ND	---	25.0	"	"	---	---	---	---	---	---	---
1,3-Dichlorobenzene	ND	---	25.0	"	"	---	---	---	---	---	---	---
1,4-Dichlorobenzene	ND	---	25.0	"	"	---	---	---	---	---	---	---
Dichlorodifluoromethane	ND	---	50.0	"	"	---	---	---	---	---	---	---
1,1-Dichloroethane	ND	---	25.0	"	"	---	---	---	---	---	---	---
1,2-Dichloroethane (EDC)	ND	---	25.0	"	"	---	---	---	---	---	---	---
1,1-Dichloroethene	ND	---	25.0	"	"	---	---	---	---	---	---	---
cis-1,2-Dichloroethene	ND	---	25.0	"	"	---	---	---	---	---	---	---
trans-1,2-Dichloroethene	ND	---	25.0	"	"	---	---	---	---	---	---	---
1,2-Dichloropropane	ND	---	25.0	"	"	---	---	---	---	---	---	---
1,3-Dichloropropane	ND	---	25.0	"	"	---	---	---	---	---	---	---
2,2-Dichloropropane	ND	---	50.0	"	"	---	---	---	---	---	---	---

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Philip Nerenberg, Lab Director

Gecon Northwest Inc. 8283 SW Cirrus Dr Beaverton, OR 97008-6443	Project: D Street Office Bldg. Project Number: P1387-05-03 Project Manager: Kevin Schleh	Reported: 09/05/08 16:29
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## QUALITY CONTROL (QC) SAMPLE RESULTS

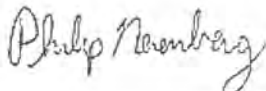
### Volatile Organic Compounds by EPA 8260B

Analyte	Result	MDL	Reporting Limit	Units	Dil.	Spike Amount	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
<b>Batch 8090017 - EPA 5035A</b>						<b>Soil</b>						
<b>Blank (8090017-BLK1)</b>						<b>Analyzed: 09/04/08 11:37</b>						
1,1-Dichloropropene	ND	---	25.0	ug/kg wet	"	---	---	---	---	---	---	
cis-1,3-Dichloropropene	ND	---	50.0	"	"	---	---	---	---	---	---	
trans-1,3-Dichloropropene	ND	---	50.0	"	"	---	---	---	---	---	---	
Ethylbenzene	ND	---	25.0	"	"	---	---	---	---	---	---	
Hexachlorobutadiene	ND	---	100	"	"	---	---	---	---	---	---	
2-Hexanone	ND	---	500	"	"	---	---	---	---	---	---	
Isopropylbenzene	ND	---	25.0	"	"	---	---	---	---	---	---	
4-Isopropyltoluene	ND	---	25.0	"	"	---	---	---	---	---	---	
4-Methyl-2-pentanone (MIBK)	ND	---	500	"	"	---	---	---	---	---	---	
Methyl tert-butyl ether (MTBE)	ND	---	50.0	"	"	---	---	---	---	---	---	
Methylene chloride	ND	---	250	"	"	---	---	---	---	---	---	
Naphthalene	ND	---	250	"	"	---	---	---	---	---	---	
n-Propylbenzene	ND	---	25.0	"	"	---	---	---	---	---	---	
Styrene	ND	---	25.0	"	"	---	---	---	---	---	---	
1,1,1,2-Tetrachloroethane	ND	---	50.0	"	"	---	---	---	---	---	---	
1,1,2,2-Tetrachloroethane	ND	---	25.0	"	"	---	---	---	---	---	---	
Tetrachloroethene (PCE)	ND	---	25.0	"	"	---	---	---	---	---	---	
Toluene	ND	---	100	"	"	---	---	---	---	---	---	
1,2,3-Trichlorobenzene	ND	---	100	"	"	---	---	---	---	---	---	
1,2,4-Trichlorobenzene	ND	---	100	"	"	---	---	---	---	---	---	
1,1,1-Trichloroethane	ND	---	50.0	"	"	---	---	---	---	---	---	
1,1,2-Trichloroethane	ND	---	25.0	"	"	---	---	---	---	---	---	
Trichloroethene (TCE)	ND	---	25.0	"	"	---	---	---	---	---	---	
Trichlorofluoromethane	ND	---	250	"	"	---	---	---	---	---	---	
1,2,3-Trichloropropane	ND	---	50.0	"	"	---	---	---	---	---	---	
1,2,4-Trimethylbenzene	ND	---	50.0	"	"	---	---	---	---	---	---	
1,3,5-Trimethylbenzene	ND	---	50.0	"	"	---	---	---	---	---	---	
Vinyl chloride	ND	---	25.0	"	"	---	---	---	---	---	---	
m,p-Xylene	ND	---	50.0	"	"	---	---	---	---	---	---	
o-Xylene	ND	---	25.0	"	"	---	---	---	---	---	---	

Surr: Dibromofluoromethane (Surr)	Recovery: 103 %	Limits: 70-130 %	Dilution: 1x
1,4-Difluorobenzene (Surr)	100 %	70-130 %	"
Toluene-d8 (Surr)	100 %	70-130 %	"
4-Bromofluorobenzene (Surr)	102 %	70-130 %	"

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Philip Nerenberg, Lab Director



Geocon Northwest Inc.  
8283 SW Cirrus Dr  
Beaverton, OR 97008-6443

Project: **D Street Office Bldg.**  
Project Number: P1387-05-03  
Project Manager: Kevin Schleh

Reported:  
09/05/08 16.29

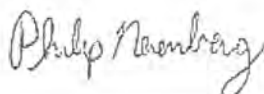
## QUALITY CONTROL (QC) SAMPLE RESULTS

### Volatile Organic Compounds by EPA 8260B

Analyte	Result	MDL	Reporting Limit	Units	Dil.	Spike Amount	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
<b>Batch 8090017 - EPA 5035A</b>						<b>Soil</b>						
<b>LCS (8090017-BS1)</b>						<b>Analyzed: 09/04/08 10:41</b>						
<b>5035/8260B</b>												
Acetone	1980	---	1000	ug/kg wet	50	2000	---	99	65-135%	---	---	
Benzene	979	---	12.5	"	"	1000	---	98	"	---	---	
Bromobenzene	984	---	25.0	"	"	"	---	98	"	---	---	
Bromochloromethane	1010	---	25.0	"	"	"	---	101	"	---	---	
Bromodichloromethane	1060	---	25.0	"	"	"	---	106	"	---	---	
Bromoform	1040	---	50.0	"	"	"	---	104	"	---	---	
Bromomethane	1450	---	500	"	"	"	---	145	"	---	---	Q-29
2-Butanone (MEK)	1830	---	500	"	"	2000	---	92	"	---	---	
n-Butylbenzene	1040	---	25.0	"	"	1000	---	104	"	---	---	
sec-Butylbenzene	1090	---	25.0	"	"	"	---	109	"	---	---	
tert-Butylbenzene	1070	---	25.0	"	"	"	---	107	"	---	---	
Carbon tetrachloride	1040	---	25.0	"	"	"	---	104	"	---	---	
Chlorobenzene	1000	---	25.0	"	"	"	---	100	"	---	---	
Chloroethane	1700	---	500	"	"	"	---	170	"	---	---	Q-29
Chloroform	1000	---	250	"	"	"	---	100	"	---	---	
Chloromethane	1270	---	250	"	"	"	---	127	"	---	---	
2-Chlorotoluene	1030	---	25.0	"	"	"	---	103	"	---	---	
4-Chlorotoluene	1040	---	25.0	"	"	"	---	104	"	---	---	
1,2-Dibromo-3-chloropropane	1070	---	100	"	"	"	---	107	"	---	---	
Dibromochloromethane	1050	---	50.0	"	"	"	---	105	"	---	---	
1,2-Dibromoethane (EDB)	984	---	25.0	"	"	"	---	98	"	---	---	
Dibromomethane	936	---	25.0	"	"	"	---	94	"	---	---	
1,2-Dichlorobenzene	1040	---	25.0	"	"	"	---	104	"	---	---	
1,3-Dichlorobenzene	1030	---	25.0	"	"	"	---	103	"	---	---	
1,4-Dichlorobenzene	1030	---	25.0	"	"	"	---	103	"	---	---	
Dichlorodifluoromethane	1520	---	50.0	"	"	"	---	152	"	---	---	Q-29
1,1-Dichloroethane	1070	---	25.0	"	"	"	---	107	"	---	---	
1,2-Dichloroethane (EDC)	976	---	25.0	"	"	"	---	98	"	---	---	
1,1-Dichloroethene	950	---	25.0	"	"	"	---	95	"	---	---	
cis-1,2-Dichloroethene	976	---	25.0	"	"	"	---	98	"	---	---	
trans-1,2-Dichloroethene	984	---	25.0	"	"	"	---	98	"	---	---	
1,2-Dichloropropane	1030	---	25.0	"	"	"	---	103	"	---	---	
1,3-Dichloropropane	977	---	25.0	"	"	"	---	98	"	---	---	
2,2-Dichloropropane	1050	---	50.0	"	"	"	---	105	"	---	---	

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Philip Nerenberg, Lab Director

Geocon Northwest Inc.  
8283 SW Cirrus Dr  
Beaverton, OR 97008-6443

Project: **D Street Office Bldg.**  
Project Number: P1387-05-03  
Project Manager: Kevin Schleh

Reported:  
09/05/08 16:29

## QUALITY CONTROL (QC) SAMPLE RESULTS

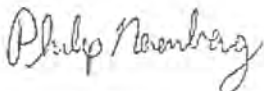
### Volatile Organic Compounds by EPA 8260B

Analyte	Result	MDL	Reporting Limit	Units	Dil	Spike Amount	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
<b>Soil</b>												
<b>Batch 8090017 - EPA 5035A</b>						<b>Analyzed: 09/04/08 10:41</b>						
<b>LCS (8090017-BS1)</b>												
1,1-Dichloropropene	978	---	25.0	ug/kg wet	"	"	---	98	"	---	---	
cis-1,3-Dichloropropene	1010	---	50.0	"	"	"	---	101	"	---	---	
trans-1,3-Dichloropropene	1010	---	50.0	"	"	"	---	101	"	---	---	
Ethylbenzene	982	---	25.0	"	"	"	---	98	"	---	---	
Hexachlorobutadiene	1080	---	100	"	"	"	---	108	"	---	---	
2-Hexanone	1940	---	500	"	"	2000	---	97	"	---	---	
Isopropylbenzene	1030	---	25.0	"	"	1000	---	103	"	---	---	
4-Isopropyltoluene	1120	---	25.0	"	"	"	---	112	"	---	---	
4-Methyl-2-pentanone (MIBK)	1860	---	500	"	"	2000	---	93	"	---	---	
Methyl tert-butyl ether (MTBE)	952	---	50.0	"	"	1000	---	95	"	---	---	
Methylene chloride	1000	---	250	"	"	"	---	100	"	---	---	
Naphthalene	838	---	250	"	"	"	---	84	"	---	---	
n-Propylbenzene	1030	---	25.0	"	"	"	---	103	"	---	---	
Styrene	1090	---	25.0	"	"	"	---	109	"	---	---	
1,1,1,2-Tetrachloroethane	1030	---	50.0	"	"	"	---	103	"	---	---	
1,1,2,2-Tetrachloroethane	1070	---	25.0	"	"	"	---	107	"	---	---	
Tetrachloroethene (PCE)	948	---	25.0	"	"	"	---	95	"	---	---	
Toluene	992	---	100	"	"	"	---	99	"	---	---	
1,2,3-Trichlorobenzene	1050	---	100	"	"	"	---	105	"	---	---	
1,2,4-Trichlorobenzene	1060	---	100	"	"	"	---	106	"	---	---	
1,1,1-Trichloroethane	994	---	50.0	"	"	"	---	99	"	---	---	
1,1,2-Trichloroethane	1010	---	25.0	"	"	"	---	101	"	---	---	
Trichloroethene (TCE)	998	---	25.0	"	"	"	---	100	"	---	---	
Trichlorofluoromethane	1130	---	250	"	"	"	---	113	"	---	---	
1,2,3-Trichloropropane	994	---	50.0	"	"	"	---	99	"	---	---	
1,2,4-Trimethylbenzene	1060	---	50.0	"	"	"	---	106	"	---	---	
1,3,5-Trimethylbenzene	1070	---	50.0	"	"	"	---	107	"	---	---	
Vinyl chloride	1180	---	25.0	"	"	"	---	118	"	---	---	
m,p-Xylene	2000	---	50.0	"	"	2000	---	100	"	---	---	
o-Xylene	1020	---	25.0	"	"	1000	---	102	"	---	---	

Surr: Dibromofluoromethane (Surr)	Recovery: 103 %	Limits: 70-130 %	Dilution: 1x
1,4-Difluorobenzene (Surr)	100 %	70-130 %	"
Toluene-d8 (Surr)	99 %	70-130 %	"
4-Bromofluorobenzene (Surr)	100 %	70-130 %	"

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Project: D Street Office Bldg.  
Project Number: P1387-05-03  
Project Manager: Kevin Schleh

Reported:  
09/05/08 16:29

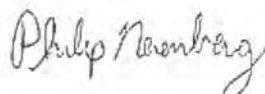
## QUALITY CONTROL (QC) SAMPLE RESULTS

### Volatile Organic Compounds by EPA 8260B

Analyte	Result	MDL	Reporting Limit	Units	Dil.	Spike Amount	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
<b>Batch 8090017 - EPA 5035A</b>												
<b>Soil</b>												
<b>Duplicate (8090017-DUP1)</b>			<b>Source: A809017-01</b>				<b>Analyzed: 09/04/08 12:33</b>					
<b>5035/8260B</b>												
Acetone	ND	---	1620	ug/kg dry	50	---	ND	---	---	---	30%	
Benzene	ND	---	20.2	"	"	---	ND	---	---	---	30%	
Bromobenzene	ND	---	40.5	"	"	---	ND	---	---	---	30%	
Bromochloromethane	ND	---	40.5	"	"	---	ND	---	---	---	30%	
Bromodichloromethane	ND	---	40.5	"	"	---	ND	---	---	---	30%	
Bromoform	ND	---	81.0	"	"	---	ND	---	---	---	30%	
Bromomethane	ND	---	81.0	"	"	---	ND	---	---	---	30%	
2-Butanone (MEK)	ND	---	81.0	"	"	---	ND	---	---	---	30%	
n-Butylbenzene	ND	---	40.5	"	"	---	ND	---	---	---	30%	
sec-Butylbenzene	ND	---	40.5	"	"	---	ND	---	---	---	30%	
tert-Butylbenzene	ND	---	40.5	"	"	---	ND	---	---	---	30%	
Carbon tetrachloride	ND	---	40.5	"	"	---	ND	---	---	---	30%	
Chlorobenzene	ND	---	40.5	"	"	---	ND	---	---	---	30%	
Chloroethane	ND	---	81.0	"	"	---	ND	---	---	---	30%	
Chloroform	ND	---	40.5	"	"	---	ND	---	---	---	30%	
Chloromethane	ND	---	40.5	"	"	---	ND	---	---	---	30%	
2-Chlorotoluene	ND	---	40.5	"	"	---	ND	---	---	---	30%	
4-Chlorotoluene	ND	---	40.5	"	"	---	ND	---	---	---	30%	
1,2-Dibromo-3-chloropropane	ND	---	162	"	"	---	ND	---	---	---	30%	
Dibromochloromethane	ND	---	81.0	"	"	---	ND	---	---	---	30%	
1,2-Dibromoethane (EDB)	ND	---	40.5	"	"	---	ND	---	---	---	30%	
Dibromomethane	ND	---	40.5	"	"	---	ND	---	---	---	30%	
1,2-Dichlorobenzene	ND	---	40.5	"	"	---	ND	---	---	---	30%	
1,3-Dichlorobenzene	ND	---	40.5	"	"	---	ND	---	---	---	30%	
1,4-Dichlorobenzene	ND	---	40.5	"	"	---	ND	---	---	---	30%	
Dichlorodifluoromethane	ND	---	81.0	"	"	---	ND	---	---	---	30%	
1,1-Dichloroethane	ND	---	40.5	"	"	---	ND	---	---	---	30%	
1,2-Dichloroethane (EDC)	ND	---	40.5	"	"	---	ND	---	---	---	30%	
1,1-Dichloroethene	ND	---	40.5	"	"	---	ND	---	---	---	30%	
cis-1,2-Dichloroethene	ND	---	40.5	"	"	---	ND	---	---	---	30%	
trans-1,2-Dichloroethene	ND	---	40.5	"	"	---	ND	---	---	---	30%	
1,2-Dichloropropane	ND	---	40.5	"	"	---	ND	---	---	---	30%	
1,3-Dichloropropane	ND	---	40.5	"	"	---	ND	---	---	---	30%	
2,2-Dichloropropane	ND	---	81.0	"	"	---	ND	---	---	---	30%	

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Beaverton, OR 97008-6443

Project: D Street Office Bldg.  
Project Number: P1387-05-03  
Project Manager: Kevin Schleh

Reported:  
09/05/08 16:29

## QUALITY CONTROL (QC) SAMPLE RESULTS

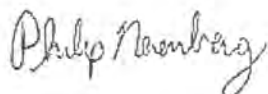
### Volatile Organic Compounds by EPA 8260B

Analyte	Result	MDL	Reporting Limit	Units	Dil.	Spike Amount	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
<b>Soil</b>												
<b>Batch 8090017 - EPA 5035A</b>												
<b>Duplicate (8090017-DUP1)</b>			<b>Source: A809017-01</b>			<b>Analyzed: 09/04/08 12:33</b>						
1,1-Dichloropropene	ND	---	40.5	ug/kg dry	"	---	ND	---	---	---	30%	
cis-1,3-Dichloropropene	ND	---	81.0	"	"	---	ND	---	---	---	30%	
trans-1,3-Dichloropropene	ND	---	81.0	"	"	---	ND	---	---	---	30%	
Ethylbenzene	ND	---	40.5	"	"	---	ND	---	---	---	30%	
Hexachlorobutadiene	ND	---	162	"	"	---	ND	---	---	---	30%	
2-Hexanone	ND	---	81.0	"	"	---	ND	---	---	---	30%	
Isopropylbenzene	ND	---	40.5	"	"	---	ND	---	---	---	30%	
4-Isopropyltoluene	ND	---	40.5	"	"	---	ND	---	---	---	30%	
4-Methyl-2-pentanone (MIBK)	ND	---	81.0	"	"	---	ND	---	---	---	30%	
Methyl tert-butyl ether (MTBE)	ND	---	81.0	"	"	---	ND	---	---	---	30%	
Methylene chloride	ND	---	405	"	"	---	ND	---	---	---	30%	
Naphthalene	ND	---	405	"	"	---	ND	---	---	---	30%	
n-Propylbenzene	ND	---	40.5	"	"	---	ND	---	---	---	30%	
Styrene	ND	---	40.5	"	"	---	ND	---	---	---	30%	
1,1,1,2-Tetrachloroethane	ND	---	81.0	"	"	---	ND	---	---	---	30%	
1,1,2,2-Tetrachloroethane	ND	---	40.5	"	"	---	ND	---	---	---	30%	
Tetrachloroethene (PCE)	ND	---	40.5	"	"	---	ND	---	---	---	30%	
Toluene	ND	---	162	"	"	---	ND	---	---	---	30%	
1,2,3-Trichlorobenzene	ND	---	162	"	"	---	ND	---	---	---	30%	
1,2,4-Trichlorobenzene	ND	---	162	"	"	---	ND	---	---	---	30%	
1,1,1-Trichloroethane	ND	---	81.0	"	"	---	ND	---	---	---	30%	
1,1,2-Trichloroethane	ND	---	40.5	"	"	---	ND	---	---	---	30%	
Trichloroethene (TCE)	ND	---	40.5	"	"	---	ND	---	---	---	30%	
Trichlorofluoromethane	ND	---	405	"	"	---	ND	---	---	---	30%	
1,2,3-Trichloropropane	ND	---	81.0	"	"	---	ND	---	---	---	30%	
1,2,4-Trimethylbenzene	ND	---	81.0	"	"	---	ND	---	---	---	30%	
1,3,5-Trimethylbenzene	ND	---	81.0	"	"	---	ND	---	---	---	30%	
Vinyl chloride	ND	---	40.5	"	"	---	ND	---	---	---	30%	
m,p-Xylene	ND	---	81.0	"	"	---	ND	---	---	---	30%	
o-Xylene	ND	---	40.5	"	"	---	ND	---	---	---	30%	

Surr: Dibromofluoromethane (Surr)	Recovery: 101 %	Limits: 70-130 %	Dilution: 1x
1,4-Difluorobenzene (Surr)	100 %	70-130 %	"
Toluene-d8 (Surr)	100 %	70-130 %	"
4-Bromofluorobenzene (Surr)	103 %	70-130 %	"

Apex Laboratories

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Philip Nerenberg, Lab Director

Geocon Northwest Inc.  
8283 SW Cirrus Dr  
Beaverton, OR 97008-6443

Project: D Street Office Bldg.  
Project Number: P1387-05-03  
Project Manager: Kevin Schleh

Reported:  
09/05/08 16:29

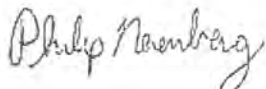
## QUALITY CONTROL (QC) SAMPLE RESULTS

### Volatile Organic Compounds by EPA 8260B

Analyte	Result	MDL	Reporting Limit	Units	Dil.	Spike Amount	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
<b>Batch 8090017 - EPA 5035A</b>												
<b>Soil</b>												
Matrix Spike (8090017-MS1)			Source: A809017-02			Analyzed: 09/04/08 13:28						
5035/8260B												
Acetone	3840	---	2390	ug/kg dry	50	4790	ND	80	65-135%	---	---	
Benzene	2170	---	29.9	"	"	2400	ND	90	"	---	---	
Bromobenzene	2130	---	59.7	"	"	"	ND	89	"	---	---	
Bromochloromethane	2230	---	59.7	"	"	"	ND	93	"	---	---	
Bromodichloromethane	2320	---	59.7	"	"	"	ND	97	"	---	---	
Bromoform	2280	---	119	"	"	"	ND	95	"	---	---	
Bromomethane	3480	---	1190	"	"	"	605	120	"	---	---	
2-Butanone (MEK)	3970	---	1190	"	"	4790	ND	83	"	---	---	
n-Butylbenzene	2230	---	59.7	"	"	2400	ND	93	"	---	---	
sec-Butylbenzene	2370	---	59.7	"	"	"	ND	99	"	---	---	
tert-Butylbenzene	2350	---	59.7	"	"	"	ND	98	"	---	---	
Carbon tetrachloride	2360	---	59.7	"	"	"	ND	99	"	---	---	
Chlorobenzene	2200	---	59.7	"	"	"	ND	92	"	---	---	
Chloroethane	6580	---	1190	"	"	"	ND	274	"	---	---	Q-29
Chloroform	2230	---	59.7	"	"	"	ND	93	"	---	---	
Chloromethane	2620	---	59.7	"	"	"	94.4	105	"	---	---	
2-Chlorotoluene	2230	---	59.7	"	"	"	ND	93	"	---	---	
4-Chlorotoluene	2250	---	59.7	"	"	"	ND	94	"	---	---	
1,2-Dibromo-3-chloropropane	2440	---	239	"	"	"	ND	102	"	---	---	
Dibromochloromethane	2300	---	119	"	"	"	ND	96	"	---	---	
1,2-Dibromoethane (EDB)	2220	---	59.7	"	"	"	ND	93	"	---	---	
Dibromomethane	2100	---	59.7	"	"	"	ND	88	"	---	---	
1,2-Dichlorobenzene	2230	---	59.7	"	"	"	ND	93	"	---	---	
1,3-Dichlorobenzene	2210	---	59.7	"	"	"	ND	92	"	---	---	
1,4-Dichlorobenzene	2200	---	59.7	"	"	"	ND	92	"	---	---	
Dichlorodifluoromethane	3730	---	119	"	"	"	ND	155	"	---	---	Q-01
1,1-Dichloroethane	2360	---	59.7	"	"	"	ND	99	"	---	---	
1,2-Dichloroethane (EDC)	2380	---	59.7	"	"	"	ND	99	"	---	---	
1,1-Dichloroethene	2210	---	59.7	"	"	"	ND	92	"	---	---	
cis-1,2-Dichloroethene	2210	---	59.7	"	"	"	ND	92	"	---	---	
trans-1,2-Dichloroethene	2250	---	59.7	"	"	"	ND	94	"	---	---	
1,2-Dichloropropane	2290	---	59.7	"	"	"	ND	96	"	---	---	
1,3-Dichloropropane	2220	---	59.7	"	"	"	ND	92	"	---	---	
2,2-Dichloropropane	2260	---	119	"	"	"	ND	94	"	---	---	

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Philip Nerenberg, Lab Director

Geocon Northwest Inc.  
8283 SW Cirrus Dr  
Beaverton, OR 97008-6443

Project: D Street Office Bldg.  
Project Number: P1387-05-03  
Project Manager: Kevin Schleh

Reported:  
09/05/08 16:29

## QUALITY CONTROL (QC) SAMPLE RESULTS

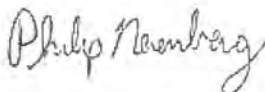
### Volatile Organic Compounds by EPA 8260B

Analyte	Result	MDL	Reporting Limit	Units	Dil.	Spike Amount	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
<b>Soil</b>												
<b>Batch 8090017 - EPA 5035A</b>												
<b>Matrix Spike (8090017-MS1)</b>			<b>Source: A809017-02</b>			<b>Analyzed: 09/04/08 13:28</b>						
1,1-Dichloropropene	2220	---	59.7	ug/kg dry	"	"	ND	93	"	---	---	
cis-1,3-Dichloropropene	2230	---	119	"	"	"	ND	93	"	---	---	
trans-1,3-Dichloropropene	2220	---	119	"	"	"	ND	93	"	---	---	
Ethylbenzene	2200	---	59.7	"	"	"	ND	92	"	---	---	
Hexachlorobutadiene	2330	---	239	"	"	"	ND	97	"	---	---	
2-Hexanone	4310	---	1190	"	"	4790	ND	90	"	---	---	
Isopropylbenzene	2360	---	59.7	"	"	2400	ND	99	"	---	---	
4-Isopropyltoluene	2420	---	59.7	"	"	"	ND	101	"	---	---	
4-Methyl-2-pentanone (MIBK)	4330	---	1190	"	"	4790	ND	90	"	---	---	
Methyl tert-butyl ether (MTBE)	2160	---	119	"	"	2400	ND	90	"	---	---	
Methylene chloride	2180	---	597	"	"	"	93.2	87	"	---	---	
Naphthalene	1700	---	597	"	"	"	ND	71	"	---	---	
n-Propylbenzene	2250	---	59.7	"	"	"	ND	94	"	---	---	
Styrene	2350	---	59.7	"	"	"	ND	98	"	---	---	
1,1,1,2-Tetrachloroethane	2290	---	119	"	"	"	ND	96	"	---	---	
1,1,2,2-Tetrachloroethane	2390	---	59.7	"	"	"	ND	100	"	---	---	
Tetrachloroethene (PCE)	2220	---	59.7	"	"	"	ND	92	"	---	---	
Toluene	2220	---	239	"	"	"	ND	93	"	---	---	
1,2,3-Trichlorobenzene	2060	---	239	"	"	"	21.5	85	"	---	---	
1,2,4-Trichlorobenzene	2160	---	239	"	"	"	ND	90	"	---	---	
1,1,1-Trichloroethane	2300	---	119	"	"	"	ND	96	"	---	---	
1,1,2-Trichloroethane	2220	---	59.7	"	"	"	ND	92	"	---	---	
Trichloroethene (TCE)	2200	---	59.7	"	"	"	ND	92	"	---	---	
Trichlorofluoromethane	2540	---	597	"	"	"	ND	106	"	---	---	
1,2,3-Trichloropropane	2160	---	119	"	"	"	ND	90	"	---	---	
1,2,4-Trimethylbenzene	2250	---	119	"	"	"	ND	94	"	---	---	
1,3,5-Trimethylbenzene	2330	---	119	"	"	"	ND	97	"	---	---	
Vinyl chloride	2690	---	59.7	"	"	"	ND	112	"	---	---	
m,p-Xylene	4420	---	119	"	"	4790	ND	92	"	---	---	
o-Xylene	2230	---	59.7	"	"	2400	ND	93	"	---	---	

Surr: Dibromofluoromethane (Surr)	Recovery: 103 %	Limits: 70-130 %	Dilution: 1x
1,4-Difluorobenzene (Surr)	98 %	70-130 %	"
Toluene-d8 (Surr)	101 %	70-130 %	"
4-Bromofluorobenzene (Surr)	99 %	70-130 %	"

Apex Laboratories

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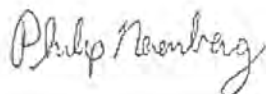
Philip Nerenberg, Lab Director

<b>Geocon Northwest Inc.</b> 8283 SW Cirrus Dr Beaverton, OR 97008-6443	Project: <b>D Street Office Bldg.</b> Project Number: P1387-05-03 Project Manager: Kevin Schleh	Reported: 09/05/08 16:29
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## QUALITY CONTROL (QC) SAMPLE RESULTS

### TCLP Metals by EPA 6020 (ICPMS)

Analyte	Result	MDL	Reporting Limit	Units	Dil.	Spike Amount	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
<b>Batch 8090036 - EPA 1311/3015</b>						<b>Soil</b>						
<b>Blank (8090036-BLK1)</b>						<b>Analyzed: 09/04/08 16:15</b>						
<b>EPA 1311/6020</b>												
Arsenic	ND	---	0.100	mg/L	5	---	---	---	---	---	---	---
Barium	ND	---	1.25	"	"	---	---	---	---	---	---	---
Cadmium	ND	---	0.0500	"	"	---	---	---	---	---	---	---
Chromium	ND	---	0.100	"	"	---	---	---	---	---	---	---
Lead	ND	---	0.0500	"	"	---	---	---	---	---	---	---
Mercury	ND	---	0.00400	"	"	---	---	---	---	---	---	---
Selenium	ND	---	0.0500	"	"	---	---	---	---	---	---	---
Silver	ND	---	0.100	"	"	---	---	---	---	---	---	---
<b>LCS (8090036-BS1)</b>						<b>Analyzed: 09/04/08 16:18</b>						
<b>EPA 1311/6020</b>												
Arsenic	2.59	---	0.100	mg/L	5	2.50	---	104	80-120%	---	---	---
Barium	2.70	---	1.25	"	"	"	---	108	"	---	---	---
Cadmium	2.56	---	0.0500	"	"	"	---	102	"	---	---	---
Chromium	2.52	---	0.100	"	"	"	---	101	"	---	---	---
Lead	2.52	---	0.0500	"	"	"	---	101	"	---	---	---
Mercury	0.0980	---	0.00400	"	"	0.100	---	98	"	---	---	---
Selenium	1.28	---	0.0500	"	"	1.25	---	102	"	---	---	---
Silver	1.28	---	0.100	"	"	"	---	103	"	---	---	---
<b>Matrix Spike (8090036-MS1)</b>						<b>Source: A809017-01</b>			<b>Analyzed: 09/04/08 16:49</b>			
<b>EPA 1311/6020</b>												
Arsenic	2.59	---	0.100	mg/L	5	2.50	ND	104	50-150%	---	---	---
Barium	2.86	---	1.25	"	"	"	0.295	103	"	---	---	---
Cadmium	2.52	---	0.0500	"	"	"	ND	101	"	---	---	---
Chromium	2.56	---	0.100	"	"	"	0.00850	102	"	---	---	---
Lead	2.50	---	0.0500	"	"	"	0.0120	99	"	---	---	---
Mercury	0.0970	---	0.00400	"	"	0.100	ND	97	"	---	---	---
Selenium	1.28	---	0.0500	"	"	1.25	ND	103	"	---	---	---
Silver	1.28	---	0.100	"	"	"	ND	102	"	---	---	---

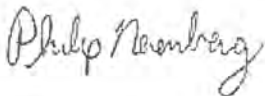


<b>Geocon Northwest Inc.</b> 8283 SW Cirrus Dr Beaverton, OR 97008-6443	Project: <b>D Street Office Bldg.</b> Project Number: P1387-05-03 Project Manager: Kevin Schleh	<b>Reported:</b> 09/05/08 16:29
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### QUALITY CONTROL (QC) SAMPLE RESULTS

#### Percent Dry Weight by D2216

Analyte	Result	MDL	Reporting Limit	Units	Dil.	Spike Amount	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
<b>Batch 8090027 - Dry Weight</b>						<b>Soil</b>						
Duplicate (8090027-DUP1)			Source: A809017-02			Analyzed: 09/04/08 09:01						
D2216												
% Solids	56.4	---	1.00	% by Weight	1	---	57.6	---	---	2	20%	





<b>Geocon Northwest Inc.</b> 8283 SW Cirrus Dr Beaverton, OR 97008-6443	Project: <b>D Street Office Bldg.</b> Project Number: P1387-05-03 Project Manager: Kevin Schleh	Reported: 09/05/08 16:29
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### SAMPLE PREPARATION INFORMATION

#### Diesel Range (C10-C22) and Oil Range (C22-C40) Hydrocarbons by NWTPH-Dx - Silica Gel Cleanup

Prep: EPA 3546 (Fuels)					Sample	Default	RL Prep
Lab Number	Matrix	Method	Sampled	Prepared	Initial/Final	Initial/Final	Factor
Batch: 8090028							
A809017-01	Soil	NWTPH-Dx	09/02/08 13:00	09/03/08 14:33	13.89g/5mL	15g/5mL	1.08
A809017-02RE1	Soil	NWTPH-Dx	09/02/08 13:20	09/03/08 14:33	12.81g/5mL	15g/5mL	1.17

#### Gasoline Range (C6-C10) Hydrocarbons by NWTPH-Gx

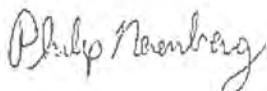
Prep: EPA 5035A					Sample	Default	RL Prep
Lab Number	Matrix	Method	Sampled	Prepared	Initial/Final	Initial/Final	Factor
Batch: 8090017							
A809017-01	Soil	NWTPH-Gx	09/02/08 13:00	09/03/08 09:00	10.938g/10mL	10g/10mL	0.91
A809017-02	Soil	NWTPH-Gx	09/02/08 13:20	09/03/08 09:00	10.501g/10mL	10g/10mL	0.95

#### Volatile Organic Compounds by EPA 8260B

Prep: EPA 5035A					Sample	Default	RL Prep
Lab Number	Matrix	Method	Sampled	Prepared	Initial/Final	Initial/Final	Factor
Batch: 8090017							
A809017-01	Soil	5035/8260B	09/02/08 13:00	09/03/08 09:00	10.938g/10mL	10g/10mL	0.91
A809017-02	Soil	5035/8260B	09/02/08 13:20	09/03/08 09:00	10.501g/10mL	10g/10mL	0.95

#### TCLP Metals by EPA 6020 (ICPMS)

Prep: EPA 1311/3015					Sample	Default	RL Prep
Lab Number	Matrix	Method	Sampled	Prepared	Initial/Final	Initial/Final	Factor
Batch: 8090036							
A809017-01	Soil	EPA 1311/6020	09/02/08 13:00	09/04/08 10:32	5mL/50mL	5mL/50mL	1.00
A809017-02	Soil	EPA 1311/6020	09/02/08 13:20	09/04/08 10:32	5mL/50mL	5mL/50mL	1.00



Geocon Northwest Inc.  
8283 SW Cirrus Dr  
Beaverton, OR 97008-6443

Project: **D Street Office Bldg.**  
Project Number: P1387-05-03  
Project Manager: Kevin Schleh

Reported:  
09/05/08 16.29

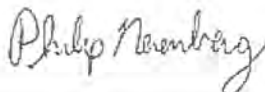
## Notes and Definitions

### Qualifiers:

- F-03 The result for this hydrocarbon range is elevated due to the presence of individual analyte peaks in the quantitation range that are not representative of the fuel pattern reported.
- Q-01 The percent recovery and/or RPD was outside acceptance limits for this spiked sample. The batch was accepted based on LCS recovery
- Q-17 RPD between original and duplicate sample is outside of established control limits
- Q-29 Recovery for Lab Control Spike (LCS) is above the upper control limit. Data may be biased high.
- V-06 Sample aliquot was subsampled from a soil jar without significant headspace. The subsampled aliquot was preserved in methanol within 48 hours of sampling.

### Notes and Conventions:

- DET Analyte DETECTED
- ND Analyte NOT DETECTED at or above the reporting limit
- NR Not Reported
- dry Sample results reported on a dry weight basis
- RPD Relative Percent Difference
- MDL If MDL is not listed, data has been evaluated to the Method Reporting Limit only.
- Batch Unless specifically stated, all analyses include full Batch QC, including Sample Duplicates, Matrix Spikes and/or Matrix Spike Duplicates, in order to meet or exceed method and regulatory requirements. This report contains only results for Batch QC derived from samples included in this report. Complete Batch QC results are available upon request. In cases where there is insufficient sample provided for Sample Duplicates and/or Matrix Spikes, a Lab Control Sample Duplicate (LCS Dup) is analyzed to demonstrate accuracy and precision of the extraction and analysis.



# Apex Labs

12232 S.W. Garden Place  
 Tigard, OR 97223  
 503-718-2323 Phone  
 503-718-0333 Fax

Geocon Northwest Inc. 8283 SW Cirrus Dr Beaverton, OR 97008-6443	Project: D Street Office Bldg. Project Number: P1387-05-03 Project Manager: Kevin Schleh	Reported: 09/05/08 16:29
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100-1809017-000 Lot 4

**CHAIN OF CUSTODY**

**APEX LABS**

12232 S.W. Garden Place, Tigard, OR 97223 PH: 503-718-2323 Fax: 503-718-0333

Client: <u>Geocon Northwest</u>	Project Name: <u>D Street Office Bldg</u>	Project # <u>P1387-5-3</u>																		
Address: <u>8283 SW Cirrus Dr, Beaverton, OR</u>	Phone: <u>503-626-8888</u>	Fresh: <u>Kevin C. geocon.com</u>																		
Sample by: <u>Kevin Schleh</u>	ANALYSIS REQUEST																			
SAMPLE ID	DATE	TIME	MATRIX	# OF CONTAINERS	NWTRICHIO	NWTRIDE	SWTRIGX	ITRX	150 RADN VOCS	150 IIR VOCS	150 SEMI PAHs	1015 PCBs	1011 Chlor. Sol	RCRA Metals (9)	Pesticide Metals (13)	Al, Sn, Ac, Fe, Mn, Cu, Pb, Cr, Co, Ni, Zn, Cd, Hg, Ag, Na, Li, V, Zn	TCLP Metals (9)	1201-COLS	1200-Zn	
Dur-2	9/6/08	5	5	1																
Dur-3	9/6/08	4	4	1																

Normal Turn Around Time: TAT = 5-10 Business Days

TAT Requested (circle): 24 HR 48 HR 72 HR 5 DAY 5 DAY Other

SAMPLES ARE HELD FOR 90 DAYS

REQUISITION BY: Kevin Schleh DATE: 9/6/08 RECEIVED BY: W. J. [Signature]

ANALYST: Kevin Schleh TIME: 1535 PROJECT NO: 1535

COMPANY: Geocon Northwest COMPANY: Apex

RECEIVED BY: Kevin Schleh DATE: \_\_\_\_\_ TIME: \_\_\_\_\_

RECEIVED BY: \_\_\_\_\_ DATE: \_\_\_\_\_ TIME: \_\_\_\_\_

RECEIVED BY: \_\_\_\_\_ DATE: \_\_\_\_\_ TIME: \_\_\_\_\_

Apex Laboratories

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*Philip Nerenberg*

Philip Nerenberg, Lab Director

# Apex Labs

12232 S.W. Garden Place  
Tigard, OR 97223  
503-718-2323 Phone  
503-718-0333 Fax

Friday, September 12, 2008

Kevin Schleh  
Geocon Northwest Inc.  
8283 SW Cirrus Dr  
Beaverton, OR 97008-6443

RE: D Street Office Bldg. / P1387-05-03

Enclosed are the results of analyses for work order A809088, which was received by the laboratory on 9/9/2008 at 3:37:00PM.

Thank you for using Apex Labs. We appreciate your business and strive to provide the highest quality services to the environmental industry.

If you have any questions concerning this report or the services we offer, please feel free to contact me by email at: [AGreiner@Apex-Labs.com](mailto:AGreiner@Apex-Labs.com), or by phone at 503-718-2323.

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Allison Greiner For Philip Nerenberg, Lab Director

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Page 1 of 9

Geocon Northwest Inc.  
8283 SW Cirrus Dr  
Beaverton, OR 97008-6443

Project: **D Street Office Bldg.**  
Project Number: P1387-05-03  
Project Manager: Kevin Schleh

Reported:  
09/12/08 14:45

## ANALYTICAL REPORT FOR SAMPLES

### SAMPLE INFORMATION

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
DW-2	A809088-01	Soil	09/02/08 13:00	09/09/08 15:37
DW-3	A809088-02	Soil	09/02/08 13:20	09/09/08 15:37

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Allison Greiner For Philip Nerenberg, Lab Director

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<b>Geocon Northwest Inc.</b> 8283 SW Cirrus Dr Beaverton, OR 97008-6443	Project: <b>D Street Office Bldg.</b> Project Number: P1387-05-03 Project Manager: Kevin Schleh	Reported: 09/12/08 14:45
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## ANALYTICAL SAMPLE RESULTS

### Total Metals by EPA 6020 (ICPMS)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Date Analyzed	Method	Notes
<b>DW-2 (A809088-01)</b>			<b>Matrix: Soil</b>					
Arsenic	5.89	---	1.39	mg/kg dry	10	09/11/08 12:58	EPA 6020	
Barium	111	---	1.39	"	"	"	"	
Cadmium	ND	---	1.39	"	"	"	"	
Chromium	20.5	---	2.77	"	"	"	"	
Lead	86.7	---	1.39	"	"	"	"	
Mercury	5.82	---	0.555	"	50	09/11/08 13:34	"	
Selenium	ND	---	1.39	"	10	09/11/08 12:58	"	
Silver	ND	---	2.77	"	"	"	"	
<b>DW-3 (A809088-02)</b>			<b>Matrix: Soil</b>					
Arsenic	7.99	---	1.59	mg/kg dry	10	09/11/08 13:07	EPA 6020	
Barium	233	---	1.59	"	"	"	"	
Cadmium	ND	---	1.59	"	"	"	"	
Chromium	30.3	---	3.19	"	"	"	"	
Lead	432	---	1.59	"	"	"	"	
Mercury	10.4	---	0.637	"	50	09/11/08 13:37	"	
Selenium	ND	---	1.59	"	10	09/11/08 13:07	"	
Silver	7.09	---	3.19	"	"	"	"	



Geocon Northwest Inc. 8283 SW Cirrus Dr Beaverton, OR 97008-6443	Project: <b>D Street Office Bldg.</b> Project Number: P1387-05-03 Project Manager: Kevin Schleh	Reported: 09/12/08 14:45
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## ANALYTICAL SAMPLE RESULTS

### Percent Dry Weight by D2216

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Date Analyzed	Method	Notes
<b>DW-2 (A809088-01)</b>			<b>Matrix: Soil</b>					
% Solids	73.9	---	1.00	% by Weight	1	09/11/08 08:49	D2216	
<b>DW-3 (A809088-02)</b>			<b>Matrix: Soil</b>					
% Solids	65.0	---	1.00	% by Weight	1	09/11/08 08:49	D2216	

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Allison Greiner For Philip Nerenberg, Lab Director

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<b>Geocon Northwest Inc.</b> 8283 SW Cirrus Dr Beaverton, OR 97008-6443	Project: <b>D Street Office Bldg.</b> Project Number: P1387-05-03 Project Manager: Kevin Schleh	Reported: 09/12/08 14:45
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## QUALITY CONTROL (QC) SAMPLE RESULTS

### Total Metals by EPA 6020 (ICPMS)

Analyte	Result	MDL	Reporting Limit	Units	Dil	Spike Amount	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
<b>Batch 8090105 - EPA 3051</b>												
<b>Soil</b>												
<b>Blank (8090105-BLK1)</b>						<b>Analyzed: 09/10/08 21:34</b>						
<b>EPA 6020</b>												
Arsenic	ND	---	1.00	mg/kg wet	10	---	---	---	---	---	---	---
Barium	ND	---	1.00	"	"	---	---	---	---	---	---	---
Cadmium	ND	---	1.00	"	"	---	---	---	---	---	---	---
Chromium	ND	---	2.00	"	"	---	---	---	---	---	---	---
Lead	ND	---	1.00	"	"	---	---	---	---	---	---	---
Mercury	ND	---	0.0800	"	"	---	---	---	---	---	---	---
Selenium	ND	---	1.00	"	"	---	---	---	---	---	---	---
Silver	ND	---	2.00	"	"	---	---	---	---	---	---	---
<b>LCS (8090105-BS1)</b>						<b>Analyzed: 09/10/08 21:37</b>						
<b>EPA 6020</b>												
Arsenic	50.3	---	1.00	mg/kg wet	10	50.0	---	101	80-120%	---	---	---
Barium	51.4	---	1.00	"	"	"	---	103	"	---	---	---
Cadmium	51.8	---	1.00	"	"	"	---	104	"	---	---	---
Chromium	49.5	---	2.00	"	"	"	---	99	"	---	---	---
Lead	52.1	---	1.00	"	"	"	---	104	"	---	---	---
Mercury	1.94	---	0.0800	"	"	2.00	---	97	"	---	---	---
Selenium	25.7	---	1.00	"	"	25.0	---	103	"	---	---	---
Silver	26.0	---	2.00	"	"	"	---	104	"	---	---	---
<b>Matrix Spike (8090105-MS2)</b>						<b>Source: A809088-01</b>			<b>Analyzed: 09/11/08 13:01</b>			
<b>EPA 6020</b>												
Arsenic	77.0	---	1.39	mg/kg dry	10	69.5	5.89	102	75-125%	---	---	---
Barium	172	---	1.39	"	"	"	111	88	"	---	---	---
Cadmium	73.2	---	1.39	"	"	"	0.513	105	"	---	---	---
Chromium	89.0	---	2.78	"	"	"	20.5	99	"	---	---	---
Lead	153	---	1.39	"	"	"	86.7	96	"	---	---	---
Selenium	36.5	---	1.39	"	"	34.7	ND	105	"	---	---	---
Silver	37.1	---	2.78	"	"	"	1.55	102	"	---	---	---
<b>EPA 6020</b>						<b>Analyzed: 09/11/08 13:04</b>						
Mercury	8.34	---	0.556	"	50	2.78	5.82	90	"	---	---	---

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Allison Greiner For Philip Nerenberg, Lab Director

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Geocon Northwest Inc. 8283 SW Cirrus Dr Beaverton, OR 97008-6443	Project: D Street Office Bldg. Project Number: P1387-05-03 Project Manager: Kevin Schleh	Reported: 09/12/08 14:45
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## QUALITY CONTROL (QC) SAMPLE RESULTS

### Percent Dry Weight by D2216

Analyte	Result	MDL	Reporting Limit	Units	Dil.	Spike Amount	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
<b>Batch 8090101 - Dry Weight</b>						<b>Soil</b>						
Duplicate (8090101-DUP3)			Source: A809088-01			Analyzed: 09/11/08 08:49						
D2216												
% Solids	74.3	---	1.00	% by Weight	1	---	73.9	---	---	0.5	20%	



Geocon Northwest Inc. 8283 SW Cirrus Dr Beaverton, OR 97008-6443	Project: D Street Office Bldg. Project Number: P1387-05-03 Project Manager: Kevin Schleh	Reported: 09/12/08 14:45
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### SAMPLE PREPARATION INFORMATION

#### Total Metals by EPA 6020 (ICPMS)

**Prep: EPA 3051**

Lab Number	Matrix	Method	Sampled	Prepared	Sample Initial/Final	Default Initial/Final	RL Prep Factor
<u>Batch: 8090105</u>							
A809088-01	Soil	EPA 6020	09/02/08 13:00	09/10/08 10:39	0.488g/50mL	0.5g/50mL	1.02
A809088-02	Soil	EPA 6020	09/02/08 13:20	09/10/08 10:39	0.483g/50mL	0.5g/50mL	1.04

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Geocon Northwest Inc.  
8283 SW Cirrus Dr  
Beaverton, OR 97008-6443

Project: **D Street Office Bldg.**  
Project Number: P1387-05-03  
Project Manager: Kevin Schleh

Reported:  
09/12/08 14:45

## Notes and Definitions

### Qualifiers:

### Notes and Conventions:

DET Analyte DETECTED

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

dry Sample results reported on a dry weight basis

RPD Relative Percent Difference

MDL If MDL is not listed, data has been evaluated to the Method Reporting Limit only.

WMSC Water Miscible Solvent Correction has been applied to Results and MRLs for volatiles soil samples per EPA 8000C.

Batch QC Unless specifically stated, all analyses include full Batch QC, including Sample Duplicates, Matrix Spikes and/or Matrix Spike Duplicates, in order to meet or exceed method and regulatory requirements. This report contains only results for Batch QC derived from samples included in this report. Complete Batch QC results are available upon request. In cases where there is insufficient sample provided for Sample Duplicates and/or Matrix Spikes, a Lab Control Sample Duplicate (LCS Dup) is analyzed to demonstrate accuracy and precision of the extraction and analysis.

Apex Laboratories



Allison Greiner For Philip Nerenberg, Lab Director

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Geocon Northwest Inc. Project: D Street Office Bldg.  
8283 SW Cirrus Dr Project Number: P1387-05-03  
Beaverton, OR 97008-6443 Project Manager: Kevin Schleh Reported: 09/12/08 14:45

**APEX LABS** CHAIN OF CUSTODY LAB # 1809017-1000-1 of 1  
4809 088

12232 S.W. Garden Place, Tigard, OR 97223 Ph: 503-718-2323 Fax: 503-718-0333

Client: Geocon Northwest Project Mgr: Kevin Schleh Project Name: D Street Office Bldg Project # P1387-05-03  
Address: 8283 SW Cirrus Dr, Beaverton, OR Phone: 503-626-8888 Email: kevin.s@geoconnw.com

Sampled by: Kevin Schleh

LAB ID #	DATE	TIME	MATRIX	# OF CONTAINERS	NWTRH-ICID	NWTRH-DL	NWTRH-OR	BTX	B260 BDMT VOCS	B260 HMV VOCS	B260 HMV VOCs	B260 VOCS	B260 SIMI PATH	B260 PCBs	B260 Chlor. Pst	R260 Metals (B)	Priority Metals (13)	As, Sb, Ar, Ba, Bi, Br, Cd, Cr, Cu, Fe, Pb, Hg, Mn, Mo, Ni, Na, K, P, Se, Ag, Zn, V, W, Y, Zr	TCLP Metals (9)	1200-COLs	1200-2	
DW-2	9/16/08	1300	5	1																		
DW-3	9/16/08	1320	4	1																		

ANALYSIS REQUEST

SPECIAL INSTRUCTIONS:

Normal Turn Around Time (TAT) = 5-10 Business Days

TAT Requested (circle): 24 HR 48 HR 72 HR 4 DAY 5 DAY Other: \_\_\_\_\_

REQUISITION BY: *Kevin Schleh* Date: *9/16/08* Signature: *Kevin Schleh*  
 RECEIVED BY: \_\_\_\_\_ Date: \_\_\_\_\_ Signature: \_\_\_\_\_  
 APPROVED BY: *Kevin Schleh* Date: *9/16/08* Signature: *Kevin Schleh*  
 RECEIVED BY: \_\_\_\_\_ Date: \_\_\_\_\_ Signature: \_\_\_\_\_  
 COMPANY: Geocon Northwest

Apex Laboratories



Allison Greiner For Philip Nerenberg, Lab Director

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# Apex Labs

12232 S.W. Garden Place  
Tigard, OR 97223  
503-718-2323 Phone  
503-718-0333 Fax

Friday, September 12, 2008

Kevin Schleh  
Geocon Northwest Inc.  
8283 SW Cirrus Dr  
Beaverton, OR 97008-6443

RE: D Street Office Bldg. / P1387-05-03

Enclosed are the results of analyses for work order A809087, which was received by the laboratory on 9/9/2008 at 3:34:00PM.

Thank you for using Apex Labs. We appreciate your business and strive to provide the highest quality services to the environmental industry.

If you have any questions concerning this report or the services we offer, please feel free to contact me by email at: [AGreiner@Apex-Labs.com](mailto:AGreiner@Apex-Labs.com), or by phone at 503-718-2323.

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Allison Greiner For Philip Nerenberg, Lab Director

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Geocon Northwest Inc. 8283 SW Cirrus Dr Beaverton, OR 97008-6443	Project: D Street Office Bldg. Project Number: P1387-05-03 Project Manager: Kevin Schleh	Reported: 09/12/08 14:43
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## ANALYTICAL REPORT FOR SAMPLES

### SAMPLE INFORMATION

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
DW-1	A809087-01	Soil	08/19/08 13:00	09/09/08 15:34

Apex Laboratories



Allison Greiner For Philip Nerenberg, Lab Director

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Geocon Northwest Inc.  
 8283 SW Cirrus Dr  
 Beaverton, OR 97008-6443

Project: D Street Office Bldg.  
 Project Number: P1387-05-03  
 Project Manager: Kevin Schleh

Reported:  
 09/12/08 14:43

## ANALYTICAL SAMPLE RESULTS

### Total Metals by EPA 6020 (ICPMS)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Date Analyzed	Method	Notes
<b>DW-1 (A809087-01)</b>								
<b>Matrix: Soil</b>								
Arsenic	4.03	---	1.14	mg/kg dry	10	09/11/08 12:22	EPA 6020	
Barium	135	---	1.14	"	"	"	"	
Cadmium	2.00	---	1.14	"	"	"	"	
Chromium	16.5	---	2.28	"	"	"	"	
Lead	25.7	---	1.14	"	"	"	"	
Mercury	0.206	---	0.0914	"	"	"	"	
Selenium	ND	---	1.14	"	"	"	"	
Silver	ND	---	2.28	"	"	"	"	



Geocon Northwest Inc. 8283 SW Cirrus Dr Beaverton, OR 97008-6443	Project: <b>D Street Office Bldg.</b> Project Number: P1387-05-03 Project Manager: Kevin Schleh	Reported: 09/12/08 14:43
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## ANALYTICAL SAMPLE RESULTS

### Percent Dry Weight by D2216

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Date Analyzed	Method	Notes
<b>DW-1 (A809087-01)</b>			<b>Matrix: Soil</b>					
% Solids	91.6	---	1.00	% by Weight	1	09/11/08 08:49	D2216	

Apex Laboratories



Allison Greiner For Philip Nerenberg, Lab Director

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Geocon Northwest Inc. 8283 SW Cirrus Dr Beaverton, OR 97008-6443	Project: D Street Office Bldg. Project Number: P1387-05-03 Project Manager: Kevin Schleh	Reported: 09/12/08 14:43
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## QUALITY CONTROL (QC) SAMPLE RESULTS

### Total Metals by EPA 6020 (ICPMS)

Analyte	Result	MDL	Reporting Limit	Units	Dil.	Spike Amount	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
<b>Batch 8090105 - EPA 3051</b>												
<b>Soil</b>												
<b>Blank (8090105-BLK1)</b>												
<b>Analyzed: 09/10/08 21:34</b>												
<b>EPA 6020</b>												
Arsenic	ND	---	1.00	mg/kg wet	10	---	---	---	---	---	---	---
Barium	ND	---	1.00	"	"	---	---	---	---	---	---	---
Cadmium	ND	---	1.00	"	"	---	---	---	---	---	---	---
Chromium	ND	---	2.00	"	"	---	---	---	---	---	---	---
Lead	ND	---	1.00	"	"	---	---	---	---	---	---	---
Mercury	ND	---	0.0800	"	"	---	---	---	---	---	---	---
Selenium	ND	---	1.00	"	"	---	---	---	---	---	---	---
Silver	ND	---	2.00	"	"	---	---	---	---	---	---	---
<b>LCS (8090105-BS1)</b>												
<b>Analyzed: 09/10/08 21:37</b>												
<b>EPA 6020</b>												
Arsenic	50.3	---	1.00	mg/kg wet	10	50.0	---	101	80-120%	---	---	---
Barium	51.4	---	1.00	"	"	"	---	103	"	---	---	---
Cadmium	51.8	---	1.00	"	"	"	---	104	"	---	---	---
Chromium	49.5	---	2.00	"	"	"	---	99	"	---	---	---
Lead	52.1	---	1.00	"	"	"	---	104	"	---	---	---
Mercury	1.94	---	0.0800	"	"	2.00	---	97	"	---	---	---
Selenium	25.7	---	1.00	"	"	25.0	---	103	"	---	---	---
Silver	26.0	---	2.00	"	"	"	---	104	"	---	---	---
<b>Duplicate (8090105-DUP1)</b>												
<b>Source: A809087-01 Analyzed: 09/11/08 12:25</b>												
<b>EPA 6020</b>												
Arsenic	4.22	---	1.17	mg/kg dry	10	---	4.03	---	---	5	40%	---
Barium	134	---	1.17	"	"	---	135	---	---	0.3	40%	---
Cadmium	1.91	---	1.17	"	"	---	2.00	---	---	5	40%	---
Chromium	17.5	---	2.34	"	"	---	16.5	---	---	6	40%	---
Lead	26.2	---	1.17	"	"	---	25.7	---	---	2	40%	---
Mercury	0.175	---	0.0935	"	"	---	0.206	---	---	16	40%	---
Selenium	ND	---	1.17	"	"	---	ND	---	---	---	40%	---
Silver	ND	---	2.34	"	"	---	ND	---	---	---	40%	---
<b>Matrix Spike (8090105-MS1)</b>												
<b>Source: A809087-01 Analyzed: 09/11/08 12:28</b>												
<b>EPA 6020</b>												
Arsenic	62.4	---	1.11	mg/kg dry	10	55.6	4.03	105	75-125%	---	---	---

Apex Laboratories



Allison Greiner For Philip Nerenberg, Lab Director

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<b>Geocon Northwest Inc.</b> 8283 SW Cirrus Dr Beaverton, OR 97008-6443	Project: <b>D Street Office Bldg.</b> Project Number: P1387-05-03 Project Manager: Kevin Schleh	<b>Reported:</b> 09/12/08 14:43
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## QUALITY CONTROL (QC) SAMPLE RESULTS

### Total Metals by EPA 6020 (ICPMS)

Analyte	Result	MDL	Reporting Limit	Units	Dil.	Spike Amount	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
<b>Batch 8090105 - EPA 3051</b>						<b>Soil</b>						
<b>Matrix Spike (8090105-MS1)</b>			<b>Source: A809087-01</b>			<b>Analyzed: 09/11/08 12:28</b>						
Barium	191	---	1.11	mg/kg dry	"	"	135	101	"	---	---	
Cadmium	60.7	---	1.11	"	"	"	2.00	105	"	---	---	
Chromium	73.8	---	2.22	"	"	"	16.5	103	"	---	---	
Lead	81.0	---	1.11	"	"	"	25.7	100	"	---	---	
Mercury	2.29	---	0.0889	"	"	2.22	0.206	94	"	---	---	
Selenium	29.2	---	1.11	"	"	27.8	ND	105	"	---	---	
Silver	28.9	---	2.22	"	"	"	ND	104	"	---	---	



<b>Geocon Northwest Inc.</b> 8283 SW Cirrus Dr Beaverton, OR 97008-6443	Project: <b>D Street Office Bldg.</b> Project Number: P1387-05-03 Project Manager: Kevin Schleh	<b>Reported:</b> 09/12/08 14:43
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### QUALITY CONTROL (QC) SAMPLE RESULTS

<b>Percent Dry Weight by D2216</b>
------------------------------------

Analyte	Result	MDL	Reporting Limit	Units	Dil.	Spike Amount	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
<b>Batch 8090101 - Dry Weight</b>							<b>Soil</b>					

No Client related Batch QC samples analyzed for this batch. See notes page for more information.



Geocon Northwest Inc. 8283 SW Cirrus Dr Beaverton, OR 97008-6443	Project: D Street Office Bldg. Project Number: P1387-05-03 Project Manager: Kevin Schleh	Reported: 09/12/08 14:43
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### SAMPLE PREPARATION INFORMATION

#### Total Metals by EPA 6020 (ICPMS)

Prep: EPA 3051								
Lab Number	Matrix	Method	Sampled	Prepared	Sample Initial/Final	Default Initial/Final	RL Prep Factor	
Batch: 8090105								
A809087-01	Soil	EPA 6020	08/19/08 13:00	09/10/08 10:39	0.478g/50mL	0.5g/50mL	1.05	

Apex Laboratories



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Allison Greiner For Philip Nerenberg, Lab Director

Geocon Northwest Inc.  
8283 SW Cirrus Dr  
Beaverton, OR 97008-6443

Project: **D Street Office Bldg.**  
Project Number: P1387-05-03  
Project Manager: Kevin Schleh

Reported:  
09/12/08 14:43

## Notes and Definitions

### Qualifiers:

### Notes and Conventions:

DET Analyte DETECTED

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

dry Sample results reported on a dry weight basis

RPD Relative Percent Difference

MDL If MDL is not listed, data has been evaluated to the Method Reporting Limit only.

WMSC Water Miscible Solvent Correction has been applied to Results and MRLs for volatile soil samples per EPA 8000C.

Batch QC Unless specifically stated, all analyses include full Batch QC, including Sample Duplicates, Matrix Spikes and/or Matrix Spike Duplicates, in order to meet or exceed method and regulatory requirements. This report contains only results for Batch QC derived from samples included in this report. Complete Batch QC results are available upon request. In cases where there is insufficient sample provided for Sample Duplicates and/or Matrix Spikes, a Lab Control Sample Duplicate (LCS Dup) is analyzed to demonstrate accuracy and precision of the extraction and analysis.

Apex Laboratories



Allison Greiner For Philip Nerenberg, Lab Director

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STATE OF WASHINGTON  
DEPARTMENT OF ECOLOGY

PO Box 47775 • Olympia, Washington 98504-7775 • (360) 407-6300

**CERTIFIED MAIL**

7008 2810 0001 3939 5217

March 17, 2009

Cascade Lease Company  
PO Box 61742  
Vancouver, WA 98666

RE: Early Notice Letter Regarding the Release of Hazardous Substances at the 400 E Mill Plain Drywells (site name), located at 400 E Mill Plain Boulevard, Vancouver, Washington 98660. Facility Site Identification Number: 8223776

Under Chapter 70.105 Revised Code of Washington (RCW) the Department of Ecology (Ecology) is required to conduct an Initial Investigation, of properties where we have received a report that there has been a release or threatened release of hazardous substance that could pose a threat to human health or the environment.

Ecology maintains a list of sites where an initial investigation has found that further testing and possible cleanup is needed. We call this our "database of Confirmed or Suspected Contaminated Sites". As a result of the initial investigation conducted by the Clark County Health Department, this property has been added to the database as a State Cleanup Site. The Facility Site Identification number assigned to this site is 8223776. Please note that inclusion in this database does not mean Ecology has determined you liable for cleanup of the site, as that is a separate determination under the law.

This site has been added to our database because soil contaminated with Mercury has been confirmed on this property. Groundwater contamination is suspected. Our report indicates that three drywells were encountered during exaction activities and decommissioned on an expedited basis to minimize financial and schedule impacts during construction. It is believed that these drywells were installed prior to construction of the Denny's Restaurant which is being replaced with new construction on site. Samples were collected for laboratory analysis. Mercury contamination has been confirmed in two of the wells above MTCA Method A Cleanup Levels. Our report indicates that construction has progressed considerably since the drywalls were assessed and several large footings have been constructed above the subject area. The purpose of the initial investigation is to confirm or deny the possibility of contamination on site.



Cascade Lease Company  
March 17, 2009  
Page 2 of 2

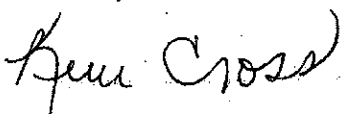
In the future, Ecology may conduct a more detailed inspection of this property including testing for possible contamination. This inspection is called a "Site Hazard Assessment". At that time, Ecology will assess whether action will be needed and if necessary establish a priority for the work.

Ecology's policy is to work cooperatively with individuals to accomplish prompt and effective cleanups. Your cooperation with Ecology in planning or conducting a remedial action is not an admission of guilt or liability. Please be aware of state laws that must be adhered to if you decide to proceed with cleanup work on your own. The primary law is Chapter 70.105D RCW and the implementing regulations, the Model Toxics Control Act Cleanup Regulation (MTCA or Chapter 173-340 WAC). These laws can be found at Ecology's Toxics Cleanup Program website, <http://www.ecy.wa.gov/toxicscleanup/policy>.

If you would like a printed copy of the MTCA regulations or if you have questions call me at (360) 407-6240. These rules and how they impact each site can be confusing and complicated. There are Environmental Consultants that can be employed to assist property owners with the cleanup and site assessment process.

Ecology's Voluntary Cleanup Program is designed to provide technical assistance, for a fee, to cleanup sites that qualify. If you would like additional information regarding this program you can find information on our website at <http://www.ecy.wa.gov/programs/tcp/vcp/vcpmain.htm> or you can contact Scott Rose at 360-407-6347.

Sincerely,



Kim Cross  
Toxics Cleanup Program  
Southwest Regional Office

ksc:ENL 031709 400 E Mill Plain Drywell Vancouver

cc: Bryan DeDoncker, Clark County Health Department  
Cris Matthews, Department of Ecology





STATE OF WASHINGTON  
DEPARTMENT OF ECOLOGY

PO Box 47775 • Olympia, Washington 98504-7775 • (360) 407-6300

July 7, 2010

RECEIVED  
JUL 09 2010

Cascade Lease Company  
PO Box 61742  
Vancouver, WA 98666

**RE: Site Hazard Assessment Completion**  
**Ecology Facility Site ID: 8223776**

Clark County Public Health (CCPH) has completed a Site Hazard Assessment (SHA) of the **400 E Mill Plain Drywells site**, 400 East Mill Plain Boulevard in Vancouver. The action by CCPH was under the authority of the Washington State Department of Ecology (Ecology) as required by the Model Toxics Control Act (Chapter 70.105D RCW).

Based on this work, a hazard ranking of **3** has been assigned to this site. The hazard ranking is an estimation of the potential threat to human health and/or the environment, relative to all other Washington State sites assessed at this time. The ranking scale is 1 to 5, with 1 representing the highest relative risk and 5 the lowest relative risk.

Ecology will publish the ranking of this and other recently assessed sites in the August 2010 Site Register Special Issue (Hazardous Sites List). The site hazard ranking will be used in conjunction with other site-specific considerations in determining Ecology's priority for future actions.

Please contact Bryan DeDoncker with CCPH at (360) 397-8153 if you have any questions regarding the SHA of this site. If you have questions about the ranking process, or further activities at the site related to this listing, please call me at (360) 407-6388.

Sincerely,

Cris Matthews  
Toxics Cleanup Program  
Washington State Department of Ecology

CM/ksc:Mill Plain Drywells draft final rank letter

By certified mail: (7009 2820 0001 7160 8982)

cc: Bryan DeDoncker, CCPH

