

October 20, 2025
File No. 04225030.06

Ms. Danielle Gibson
Washington State Department of Ecology
Southwest Regional Office
Toxics Cleanup Program
300 Desmond Drive
Lacey, Washington 98503

Subject: Decommissioning of Monitoring Wells LB-6S, LB-5S, LB-5C and LB-5D
Closed Leichner Landfill
Vancouver, Washington 98662

Dear Ms. Gibson:

On behalf of Clark County, Washington, SCS Engineers (SCS) is pleased to present this letter documenting the decommissioning of four groundwater monitoring wells (LB-6S, LB-5S, LB-5C and LB-5D) located on the City of Vancouver (COV) property south of the closed Leichner Landfill in Vancouver, Washington (see Figure 1). The monitoring wells are part of the groundwater compliance monitoring network for the closed Leichner Landfill. The wells were decommissioned to accommodate site improvements related to COV's planned construction of its Operations Center.

The monitoring wells were decommissioned on September 15 through 18, 2025, in accordance with the *Work Plan for Groundwater and Landfill Gas Monitoring Network Modifications*¹ that was approved by the Washington Department of Ecology (Ecology) on May 29, 2024. As described in the approved work plan, (1) replacement monitoring wells (LB-5SR and LB-5DR) will be reinstalled after construction activities are completed and (2) replacement wells for LB-6S and LB-5C will not be reinstalled. LB-6S was approved by Ecology to be eliminated from the monitoring network².

DECOMMISSIONING MONITORING WELLS

SCS subcontracted with Holt Services Inc. (Holt), a licensed drilling contractor based in Vancouver, Washington, to decommission the monitoring wells. A representative from SCS was onsite during the decommissioning activities to provide contractor oversight and construction quality assurance. There were no well reports for these monitoring wells on file with the Washington Department of Ecology (Ecology), so all four monitoring wells were required to be over drilled.

Before decommissioning, SCS arranged for public utility notification using the Washington Utility Notification Center to provide utility clearance within a 20-foot radius of each monitoring well.

Monitoring wells LB-6S, LB-5S, and LB-5C were installed as a singular 2-inch schedule 40 PVC wells within a single boring with an 8-inch steel casing above ground monument. Monitoring well LB-5D was installed using a telescoping casing, with a 12-inch steel casing from the surface and extended

¹ SCS, 2024. Work Plan for Groundwater and Landfill Gas Monitoring Network Modifications, Closed Leichner Landfill, Clark County, Washington, from B. Lary and L. Caruso (SCS) to Andrew Smith, Department of Ecology. April 15.

² Ecology, 2025. Support for Eliminating LB-6S from the Monitoring Network at Leichner Landfill, Letter from D.Gibson (Ecology) to B. Lary (SCS). May 19.



to a depth of 20' below ground surface (bgs) and an 8-inch casing down to 97' bgs. Holt received a variance from Ecology to leave the 12-inch and 8-inch casing in the ground and use 6-inch casing for over drilling down to the well's total depth; a copy of Ecology's variance letter is provided in Attachment 1. The LB-5 monitoring well cluster was located near the southeast corner of the property and LB-6S was located near the southwest corner of the property (Figure 1). Depth to water measured in each monitoring well prior to being decommissioned is shown below.

Table 1. Monitoring Well Information

Monitoring Well	Depth to Bottom (ft bTOC)	Depth to Water (ft bTOC)	Backfill
LB-6S	45	28.57	200 gallons bentonite grout 9 50-lb bags of bentonite chips
LB-5S	52	16.71	150 gallons bentonite grout 32 50-lb bags of bentonite chips
LB-5C	94.5	34.41	300 gallons bentonite grout 16 50-lb bags of bentonite chips
LB-5D	135.5	39.13	200 gallons of bentonite grout 14 50-lb bags of bentonite chips

ft bTOC = feet below top of casing

A Terra Sonic tracked drill rig was used to over drill the well boreholes. LB-5D was over drilled using a 6-inch outside diameter casing down to the well's total depth (see Table 1 above). The other three wells were over drilled using a 10-inch outside diameter casing drilled down to the total depth of each well (Table 1). The PVC well casings were removed along with all backfill materials down to the total depth of each well. Backfill amounts and materials are shown in Table 1. A photographic log of the decommissioning activities is presented in Attachment 2. Copies of the driller's well reports filed with Ecology are included as Attachment 3.

If you have any questions or comments regarding this letter-report, please contact Barbara Lary at (971) 284-1297 or by email at blary@scsengineers.com.

Sincerely,



Sare Campbell
Associate Professional
SCS Engineers



Barbara E. Lary, LG
Project Manager
SCS Engineers



Louis Caruso, LG, LHG
Project Director/Vice President
SCS Engineers

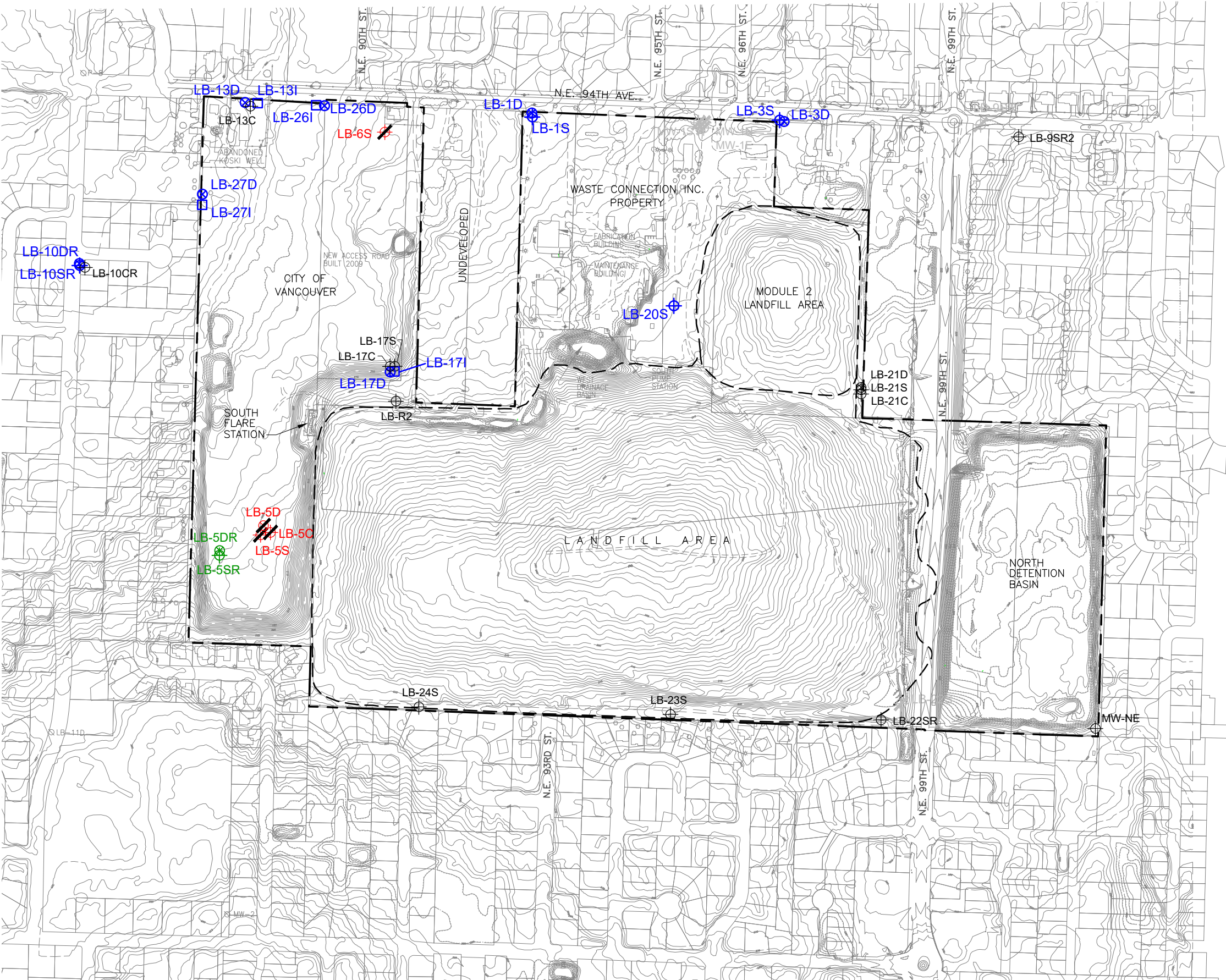
Ms. Danielle Gibson

October 20, 2025

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Attachments: Figure 1 – Landfill Gas Probe and Monitoring Well Locations
Attachment 1 - Washington Department of Ecology Variance Letter (August 20, 2025)
Attachment 2 - Photographic Log
Attachment 3 - State of Washington Resource Protection Well Reports

cc: Tina Kendall, CCPW
Mike Davis, CCPW
Joelle Loescher, CCPW

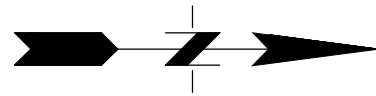


LEGEND:

- LB-5SR ⊕ New Monitoring Well Location, Alluvial Water-Bearing Zone
- LB-5S ⊕ Monitoring Well Location, Alluvial Water-Bearing Zone
- LB-5DR ⊗ New Monitoring Well Location, Troutdale Aquifer
- LB-5D ⊗ Monitoring Well Location, Troutdale Aquifer
- LB-17I □ Monitoring Well Location, Middle of Alluvial Water-Bearing Zone
- LB-22S ✂ Decommissioned Monitoring Well Location
- Property Boundary
- - - - - Limit of Landfill Cover and Approximate Edge of Waste

NOTES:

- Monitoring wells designated by blue color are compliance monitoring wells.
- Topography taken from Clark County GIS, December 2023.



Attachment 1

Washington Department of Ecology Variance Letter (Aug 20, 2025)





STATE OF WASHINGTON
DEPARTMENT OF ECOLOGY

Southwest Region Office
PO Box 47775, Olympia, WA 98504-7775 • 360-407-6300

August 20, 2025

City of Vancouver
c/o Paul Smith, Project Manager
Holt Services Inc
12305 NE 56th Street,
Vancouver, WA 98662

RE: Variance request from Washington Administrative Code (WAC) 173-160-460. The property address is 8713 Northeast 94th Avenue in Vancouver, in the SE ¼ NE ¼ of Section 4, Township 2 North, Range 02 East, W.M., on Tax Parcel 105740000 in Clark County.

The Department of Ecology (Ecology) received your original variance request via email on April 22, 2024. The request states strict compliance with WAC 173-160-460(1)(a)(b), which details decommissioning standards for resource protection wells, is impractical because of equipment decommissioning limitations. You propose to leave the existing 12" (0-20') and 8" (0-98') steel casing for well LB-5D in place and use sonic drilling techniques to overdrill 2" PVC well to 135' and backfill with bentonite grout.

This letter documents the variance you requested to 173-160-460(1)(a)(b) is **granted an extension**. The variance extension **expires May 22, 2026**, and is granted only for decommissioning of the resource protection well in the manner and location referenced in the variance request. If more time is needed before the work begins, we would require a new variance request to be submitted for review. Any licensed resource protection well driller can execute the decommissioning of the well according to the variance request, subject to the provisions listed below:

1. A "Notice of Intent" and fees shall be submitted to Ecology at PO Box 47611, Olympia, WA, 98504-7611.
2. All other minimum construction standards found in WAC 173-160 shall be followed to prevent degradation of the groundwater resource.
3. A well report containing the details required by WAC 173-160-141 shall be submitted to Ecology at PO Box 330316, Shoreline, WA 98133, within 30 days of completion of work on the well. Attach a copy of this variance to the well report.
4. With the exception of the specific provisions set forth (above) in this variance, all federal, state, and local requirements shall apply.

City of Vancouver
c/o Holt Services Inc
Variance Response Letter

August 20, 2025

Your attention to these laws and regulations, and cooperation with the Department of Ecology in this matter, is appreciated. Please telephone Garrett Scheuerman at (564) 233-8151 or email him at gash461@ecy.wa.gov if you have any questions concerning this variance.

DATED this 20th day of August, 2025, at Lacey, Washington.

Sincerely,



Garrett J. Scheuerman, LG
SWRO Well Construction Coordinator
Water Resources Program
Washington State Department of Ecology
Southwest Regional Office (SWRO)
(564) 233-8151
gash461@ecy.wa.gov



Water Resources Program

Variance Request- Minimum Standards for Well Construction

WAC173-160-106(1) allows you to request a variance from the Department of Ecology when strict compliance with state well construction standards is impractical. The variance request must propose comparable alternative specifications that will provide equal or greater human health and resource protection than the minimum standards. You must apply for a variance in writing and receive approval before constructing or decommissioning the well. (All fields must be completed.)

Requested by: Holt Services Inc (Paul Smith)
Mailing Address: 12305 NE 56th Street City: Vancouver State: Wa Zip: 98682
Daytime Phone: 253-693-3402 Date: 8/14/2025
Property Owner (if different): City of Vancouver
Site Location: SE $\frac{1}{4}$ NE $\frac{1}{4}$ Section: 4 Township: 2N Range: 2E ☐ E or ☐ WWM
Tax Parcel Number: 105740000
Well Address: 8713 NE 94th Ave, Vancouver, Wa
Well Driller/Company (if known): Holt Services Inc
Check one: ☐ Water Well ☒ Resource Protection Well ☐ Dewatering Well

What construction standard cannot be met?

Over drilling and removal of 12" and 8" steel casing. No known state well log was filed and no well label is currently attached.

Describe the reason why standard cannot be met. Include site map and distances from all known potential sources of contamination if setback variance is being requested.

We don't have a good method for removing the existing 12" casing (0-20') and the nested 8" casing (0-98') which appear to be sealed in place.

Describe the alternative construction method that will provide equal or greater protections than those provided by the minimum standard.

We do have a good method for going down inside the 8" casing and removing the existing 2" PVC well and filter pack to the bottom and sealing the borehole leaving the 8" & 12" steel casing in place.

(Attach additional pages if necessary.) Complete and return with your site map to the appropriate regional office:

Northwest Regional Office	Southwest Regional Office	Eastern Regional Office	Central Regional Office
PO Box 330316 Shoreline, WA 98133-9716 (206) 594-0000 wrNWRO@ecy.wa.gov	PO Box 47775 Olympia, WA 98504-7775 (360) 407-6300 wrSWRO@ecy.wa.gov	4601 N. Monroe St. Spokane, WA 99205-1265 (509) 329-3400 wrERO@ecy.wa.gov	1250 W. Alder St. Union Gap, WA 98903-0009 (509) 575-2490 wrCRO@ecy.wa.gov

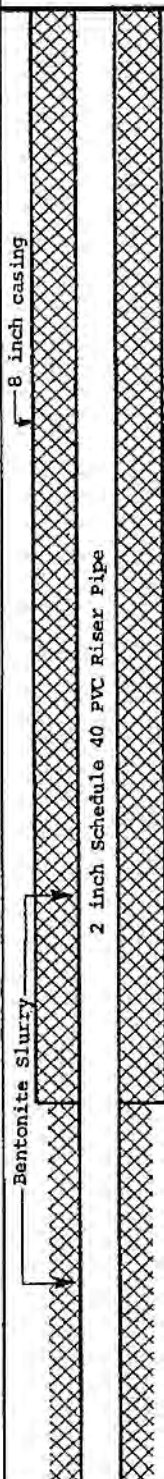
PROJECT Leichner Brothers Landfill, Deep Monitoring Well Page 1 of 4Location East Side Koski FieldBoring No. LB-5DSurface Elevation 220.10 ft.Drilling Method Telescoping Air RotaryTotal Depth 135.7 ft.Drilled By McGhee DrillingDate Completed 5/19/87Logged By C. Rankine

WELL DETAILS	PENE- TRATION TIME/ RATE	DEPTH (FEET)	SAMPLE		PERME- ABILITY TESTING	SYMBOL	LITHOLOGIC DESCRIPTION	WATER QUALITY
			NO.	TYPE				
Security Cap 12 inch and 8 inch Casing Annular Space 2 inch Schedule 40 PVC Riser Pipe Bentonite Grout 8 inch Casing Cement		5 10 15 20 25 30 35					See "Leichner Brothers Landfill, Shallow Monitoring Well, logs for lithologic descriptions for 0-98.8' depth.	

PROJECT Leichner Brothers Landfill, Deep Monitoring Well Page 2 of 4Boring No. LB-5D

WELL DETAILS	PENE- TRATION TIME/ RATE	DEPTH (FEET)	SAMPLE		PERME- ABILITY TESTING	SYMBOL	LITHOLOGIC DESCRIPTION	WATER QUALITY
			NO.	TYPE				
8 inch Casing		35					See "Leichner Brothers Landfill, Shallow Monitoring Well, logs for lithologic descriptions for 0-98.8' depth.	
		40						
		45						
		50						
		55						
		60						
		65						
		70						

PROJECT Leichner Brothers Landfill, Deep Monitoring Well Page 3 of 4Boring No. LB-5D

WELL DETAILS	PENE- TRATION TIME/ RATE	DEPTH (FEET)	SAMPLE		PERME- ABILITY TESTING	SYMBOL	LITHOLOGIC DESCRIPTION	WATER QUALITY
			NO.	TYPE				
		-70						
		-75						
		-80						
		-85						
		-90					"PLEISTOCENE ALLUVIUM" (Missoula Flood Sediments) TROUTDALE FORMATION	
		-95						
		-100					98-99': Water Sample Specific Conductivity (WSC) 672 uS, GRAVELLY SAND, slightly weathered BASALT with oxidized cemented sand coating, fresh BASALT, QUARTZITE, PORPHYRITIC VOLCANICS, META SEDIMENTS, WELDED TUFF (SP).	
		-105	1	CATCH			103-104': WSC 893 uS, GRAVELLY SAND 35% fine gravel, 55% coarse sand, 10% medium sand, rock types as above (SP).	



WELL DETAILS	PENE- TRATION TIME/ RATE	DEPTH (FEET)	SAMPLE		PERME- ABILITY TESTING	SYMBOL	LITHOLOGIC DESCRIPTION	WATER QUALITY
			NO.	TYPE				
2 inch Schedule 40 PVC Riser Pipe Bentonite Slurry 2 inch Slotted Screen Clean Sand 0.010 inch Slotted Screen Cut off 6 inch Casing Shoe		105						
			2	CATCH			108-109': WSC 841 uS, <u>GRAVELLY SAND</u> , 15% fine gravel, 30% coarse sand, 45% medium sand, 10% fine sand, trace fines, rock types as above (SP).	
		110						
			3	CATCH			113-114': WSC 1046 uS, <u>GRAVELLY SAND</u> , 2% coarse gravel, 33% fine gravel, 60% coarse sand, 5% medium sand, rock types as above (SP).	
		115						
			4	CATCH			118-119': WSC 952 uS, <u>GRAVELLY SAND</u> , 40% fine gravel, 60% coarse sand, slightly weathered BASALT with oxidized cemented sand coating, fresh BASALT, QUARTZINE, PORPHORITIC VOLCANICS, META SEDIMENTS, WELDED TUFF (SP).	
		120						
			5	CATCH			123-124' WSC 786 uS, <u>GRAVELLY SAND</u> , 25% fine gravel, 60% coarse sand, 10% medium sand, 5% fines, rock types as above (SP).	
		125						
			6	CATCH			128-129' WSC 792 uS, <u>GRAVELLY SAND</u> , 10% fine gravel, 40% coarse sand, 50% medium sand, rock types as above, (SP).	
		130						
			7	CATCH			131-132': WSC 776 uS, <u>GRAVELLY SAND</u> , 1% coarse gravel, 20% fine gravel, 70% coarse sand, 5% medium sand, 4% fines, rock types as above, (SP).	
		135						
			8	CATCH			135-135.7': WSC 664 uS, <u>GRAVELLY SAND</u> , 20% fine gravel, 60% coarse sand, 20% medium sand, rock types as above, (SP).	
		140					1) Drilled, telescoping 12 inch I.D. surface casing, 8 inch I.D. casing into top Troutdale Formation and 6 inch I.D. casing to bottom of hole. 2) Geologic units are "Pleistocene Alluvium" (Missoula Flood Sediments) and the upper portion of the Troutdale Formation.	

Go gle Maps 45°41'11.1"N 122°34'10.0"W
Well Location



Attachment 2

Photographic Log



Photo 1: View looking northwest at LB-5D. The image shows the torching equipment used to remove 8-inch above ground metal casing.



Photo 2: View looking north at the Terra Sonic tracked drill rig stationed at LB-5D.



Photo 3: Images of the Quik-Grout and HolePlug bentonite chips.



Photo 4: View looking south at Holt drillers backfilling with bentonite chips at LB-5D.



Photo 5: View looking west at the Terra Sonic tracked drill rig stationed at LB-5C.



Photo 6: View looking southwest at LB-5S after it was grouted and chipped.



Photo 7: View looking west at the Terra Sonic tracked drill rig stationed at LB-6S.



Photo 8: Image of the removed well screen from LB-6S.

Attachment 3

State of Washington Resource Protection Well Reports

Resource Protection Well Report

Submit one well report per well installed. See page two for instructions.

Type of Work:

☐ Construction

☒ Decommission $\Rightarrow$ Original NOI No. Not Found

Ecology Well ID Tag No. Not Found

Site Well Name LB SD

Consulting Firm SCS

Was a variance approved for this well/boring? ☒ Yes ☐ No

If yes, what was the variance for? To Leave 12" & 8"

STEEL CASING IN PLACE, OVERALL 4" & 6" SWSL
THROUGH 8" STEEL CASING & BACKFILL.

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 are true to my best knowledge and belief.

☒ Driller ☐ Trainee ☐ Engineer

Name (Print Last, First Name) SMITH, JANE

Driller/Engineer/Trainee Signature [Signature]

License No. 2984

Company Name HOLT

If trainee box is checked, sponsor's license number: _____

Sponsor's signature _____

Notice of Intent No. AE89530

Type of Well:

☒ Resource Protection Well

☐ Remediation Well

☐ Geotechnical Soil Boring

☐ Environmental Boring

☐ Injection Point

☐ Grounding Well

☐ Ground Source Heat Pump

☐ Other _____

☒ Soil- ☐ Vapor- ☐ Water-sampling

Property Owner CITY OF VANCOUVER

Well Street Address 8713 NE 94th AVE

City VANCOUVER County CLARK

Tax Parcel No. 105740000

Location (see instructions):

WWM ☐ or EWM ☐

NE 1/4-1/4 NE 1/4, Section 4 Town 2N Range 2E

Latitude (Example: 47.12345) 45.686424

Longitude (Example: -120.12345) -122.569445

(WGS 84 Coordinate System)

Borehole diameter 6 inches Casing diameter 2 inches

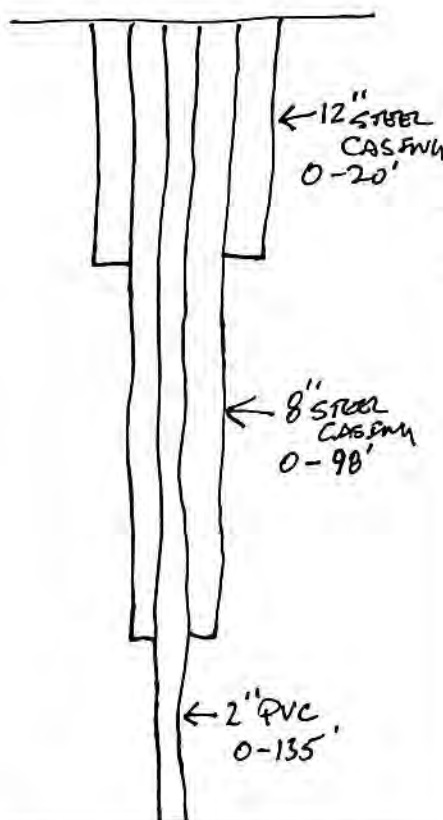
Static water level _____ ft below top of casing Date _____

☒ Above-ground completion with bollards ☐ Flush monument

☒ Stick-up of top of well casing _____ ft above ground surface

Start Date 9/15/25 Completed Date 9/15/25

Construction Design



Well Data

- PER VARIANCE LEAVE 12" & 8" STEEL CASING IN PLACE.
- DRILL 6" SWSL THROUGH 8" STEEL CASING TO 135'.
- REMOVING PVC, BENTONITE & SAND
- BACKFILL
- 0-2' GRAVEL
- 2'-135' BENTONITE GROUT

Driller's Log

0-120' PVC/BENTONITE
120'-135' FILLER SAND/
PVC

Resource Protection Well Report

Submit one well report per well installed. See page two for instructions.

Type of Work:

☐ Construction

☒ Decommission ⇒ Original NOI No. NOT FOUND

Ecology Well ID Tag No. NOT FOUND

Site Well Name LB SC

Consulting Firm SCS

Was a variance approved for this well/boring? ☐ Yes ☒ No

If yes, what was the variance for? _____

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 are true to my best knowledge and belief.

☒ Driller ☐ Trainee ☐ Engineer

Name (Print Last, First Name) Smith John

Driller/Engineer/Trainee Signature [Signature]

License No. 2984

Company Name HOLT

If trainee box is checked, sponsor's license number: _____

Sponsor's signature _____

Notice of Intent No. AE89530

Type of Well:

☒ Resource Protection Well

☐ Injection Point

☐ Remediation Well

☐ Grounding Well

☐ Geotechnical Soil Boring

☐ Ground Source Heat Pump

☐ Environmental Boring

☐ Other _____

↳ ☐ Soil- ☐ Vapor- ☐ Water-sampling

Property Owner CITY OF VANCOUVER

Well Street Address 8713 NE 94th AVE

City VANCOUVER County CLARK

Tax Parcel No. 10574000

Location (see instructions):

WWM ☐ or EWM ☐

NE 1/4-1/4 NE 1/4, Section 4 Town 2N Range 2E

Latitude (Example: 47.12345) 45.686400

Longitude (Example: -120.12345) -122.569319

(WGS 84 Coordinate System)

Borehole diameter 10 inches Casing diameter 2 inches

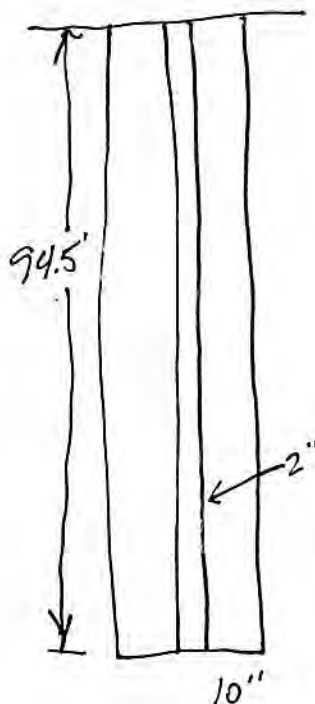
Static water level _____ ft below top of casing Date _____

☒ Above-ground completion with bollards ☐ Flush monument

↳ Stick-up of top of well casing _____ ft above ground surface

Start Date 9/16/25 Completed Date 9/16/25

Construction Design



Well Data

Overdrill with 10"
SONIC CASING TO 94.5'
Remove well materials

Backfill 0-2'
GRAVEL
2'-94.5'
BENTONITE
GROUT

Driller's Log

0-94.5'
PVC, Bentonite
Fector Sand

Resource Protection Well Report

Submit one well report per well installed. See page two for instructions.

Type of Work:

- ☐ Construction
☒ Decommission $\Rightarrow$ Original NOI No. Not Found

Ecology Well ID Tag No. Not Found

Site Well Name LB 55

Consulting Firm SCS

Was a variance approved for this well/boring? ☐ Yes ☒ No

If yes, what was the variance for? _____

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 are true to my best knowledge and belief.

☒ Driller ☐ Trainee ☐ Engineer

Name (Print Last, First Name) SMITH PAUL

Driller/Engineer/Trainee Signature P. Smith

License No. 2984

Company Name HOLT

If trainee box is checked, sponsor's license number: _____

Sponsor's signature _____

Notice of Intent No. AE 89530

Type of Well:

- ☒ Resource Protection Well ☐ Injection Point
☐ Remediation Well ☐ Grounding Well
☐ Geotechnical Soil Boring ☐ Ground Source Heat Pump
☐ Environmental Boring ☐ Other _____

$\hookrightarrow$ ☐ Soil- ☐ Vapor- ☐ Water-sampling

Property Owner CITY OF VANCOUVER

Well Street Address 8713 NE 94th Ave

City VANCOUVER County CLALLAM

Tax Parcel No. 1057 4000

Location (see instructions): WWM ☐ or EWM ☐

NE 1/4-1/4 NE 1/4, Section 4 Town 2N Range 2E

Latitude (Example: 47.12345) 45.686494

Longitude (Example: -120.12345) -122.569350

(WGS 84 Coordinate System)

Borehole diameter 10 inches Casing diameter 2 inches

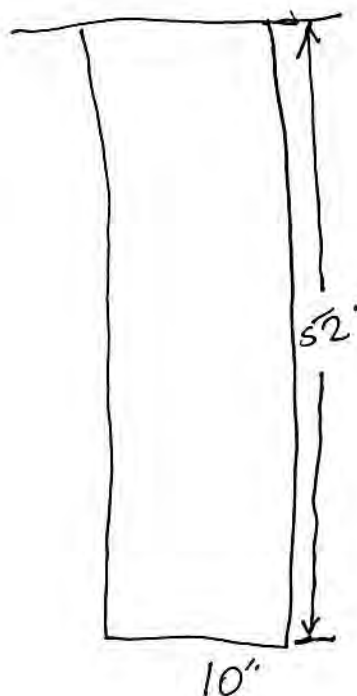
Static water level _____ ft below top of casing Date _____

☒ Above-ground completion with bollards ☐ Flush monument

$\hookrightarrow$ Stick-up of top of well casing _____ ft above ground surface

Start Date 9/17/25 Completed Date 9/17/25

Construction Design



Well Data

OVERDRILL WITH 10"
SONIC CASING TO 52'
REMOVE WELL MATERIALS
BACKFILL
0-2' GRAVEL
2'-52' BENTONITE
GRAUT

Driller's Log

0-52'
PVC, BENTONITE
FILTER SAND

Resource Protection Well Report

Submit one well report per well installed. See page two for instructions.

Type of Work:

☐ Construction

☒ Decommission → Original NOI No. NOT FOUND

Ecology Well ID Tag No. NOT FOUND

Site Well Name LB 63

Consulting Firm SCS

Was a variance approved for this well/boring? ☐ Yes ☒ No

If yes, what was the variance for? _____

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 are true to my best knowledge and belief.

☒ Driller ☐ Trainee ☐ Engineer

Name (Print Last, First Name) SMITH PAUL

Driller/Engineer/Trainee Signature [Signature]

License No. 2984

Company Name HOLT

If trainee box is checked, sponsor's license number: _____

Sponsor's signature _____

Notice of Intent No. AE 89530

Type of Well:

☒ Resource Protection Well

☐ Injection Point

☐ Remediation Well

☐ Grounding Well

☐ Geotechnical Soil Boring

☐ Ground Source Heat Pump

☐ Environmental Boring

☐ Other _____

☒ Soil- ☐ Vapor- ☐ Water-sampling

Property Owner CITY OF VANCOUVER

Well Street Address 8713 NE 94th AVE

City VANCOUVER County CLALLAM

Tax Parcel No. 10574000

Location (see instructions):

WWM ☐ or EWM ☐

NE 1/4-1/4 NE 1/4, Section 4 Town 2N Range 2E

Latitude (Example: 47.12345) 45.687573

Longitude (Example: -120.12345) -122.575387

(WGS 84 Coordinate System)

Borehole diameter 10 inches Casing diameter 2 inches

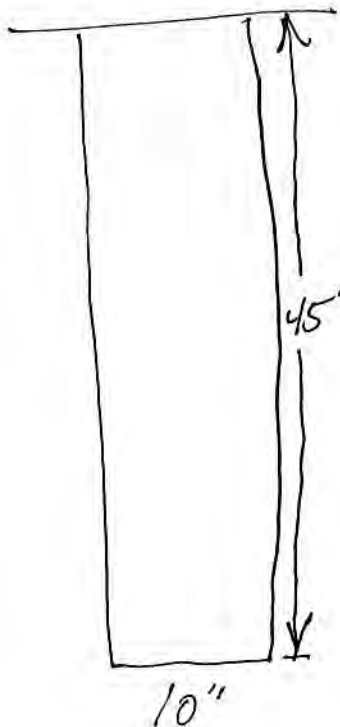
Static water level _____ ft below top of casing Date _____

☒ Above-ground completion with bollards ☐ Flush monument

☒ Stick-up of top of well casing _____ ft above ground surface

Start Date 9/18/25 Completed Date 9/19/26

Construction Design



Well Data

OVERDRILL WITH 10"
SONIC CASING TO 45'
REMOVE WELL MATERIALS

BACKFILL

0-2' GRAVEL

2'-45' BENTONITE
GROUT

Driller's Log

0-45'
PVC, BENTONITE
FILTER SAND