

Department of Environmental Quality
Northwest Region

700 NE Multnomah Street, Suite 600 Portland, OR 97232 (503) 229-5263 FAX (503) 229-6945 TTY 711

October 11, 2023

Jeff & Dena Haudenshild 3547 North Ridge Dr Klamath Falls, OR 97601

RE: Annual Inspection for Parcel Z

North Ridge Estates Superfund Site

ECSI No. 6009

Dear Jeff & Dena Haudenshild:

The Oregon Department of Environmental Quality completed an annual inspection of the protective cap on your property located at 3547 North Ridge Drive during the week of July 3, 2023. The protective cap appears to be in good condition with a few minor areas to watch. Enclosed for your information is a summary of the inspection.

The next inspection will be performed in June 2024. Please continue to contact DEQ prior to any disturbing any of the protective caps on your property with the exception of soil disturbances less then 2 feet below the ground surface. A fact sheet with additional information is enclosed.

If you have any questions, please contact me at 503-860-3943, or via email at Katie. Daugherty@deq.oregon.gov.

Sincerely,

Katic DAUGH (PT) Katic Daugherty, R.G. Project Manager

NWR Cleanup Section

Enclosures

Digging at the North Ridge Estates Superfund Site

What do I need to do or know?

- 1) Perform all other normal permitting and utility locates as you would for any other project.
- 2) Be familiar with the types of protectives caps at North Ridge Estates. The protective cap is intended to prevent people's exposure to any remaining asbestos-contaminated materials, including asbestos fibers in soil. Protective caps include:
 - A two-foot layer of clean soil with vegetation
 - Asphalt and concrete surfaces, such as garage concrete floor or basement concrete floor
 - Boulders
 - Black liners installed below covered porches and in home crawl spaces
 - Orange liners below the soil cap
- 3) Review the terms of the Easement and Equitable Servitude (EES) document recorded on the deed of your property. Determine if your planned activity is within the area covered by restrictions outlined in the EES. Some properties on the edge of the Superfund site only have a portion of the property restricted. *General rule of thumb: if the area was excavated during the Superfund Cleanup, the area is restricted.* Can't find your EES? Contact the Oregon Department of Environmental Quality (DEQ) project manager and they will email you a copy.
- 4) All activities or uses that could jeopardize the function of the protective cap, are prohibited without prior written approval from the DEQ.
- 5) Follow the steps below for your specific activity.

I want to dig less than two feet - what are the required steps?

- 1) Minor activities are allowed within the *soil protective cap*, such as installing fence posts, planting, or other activities that go no deeper than two feet below the ground surface without prior written approval from DEQ.
- 2) You must fully restore the cap to the surface after the activities are completed.
- 3) Stop immediately and call the DEQ project manager if you see an orange liner. *No matter the depth!* You are entering an asbestos contamination zone and risk exposure to asbestos if you continue.



Example of Orange Liner. 2018. Installing marker barrier consisting of rock base and orange liner on Parcel B prior to covering with clean soil.



Example of Black Liner. 2018. Black liner with rock to hold in place on Parcel A.

I want to dig deeper than two feet, dig below a black or orange liner, dig through asphalt or concrete, or move boulders on my property - what are the required steps?

1) Fill out the *North Ridge Estates Earthwork Notification and Reporting Form* and submit this form to the DEQ project manager. Can't find the form? Contact the project manager and they will email you a copy.

The project manager will review the information provided in the form and work with you to determine the conditions under which your work may be performed.

If your work will breach the cap, you must, at your own expense, use an Oregon-licensed asbestos abatement company during any action that may disturb a contaminated area. Any excavated material, including soil, will be required to be disposed at a landfill. If the liner is damaged during work, you must replace it at your expense.

2) Once work is complete, fill out the reporting section of the *North Ridge Estates Earthwork Notification and Reporting Form* and return to the DEQ project manager.



Cleanup Program

700 NE Multnomah St.,

Suite 600

Portland, OR 97232 Phone: 503-860-3943

800-452-4011 Fax: 503-229-6124 Katie.Daugherty@deq.orego

n.gov

Contact: Katie Daugherty

www.oregon.gov/DEQ

DEQ is a leader in restoring, maintaining and enhancing the quality of Oregon's air, land and water.

Alternative formats

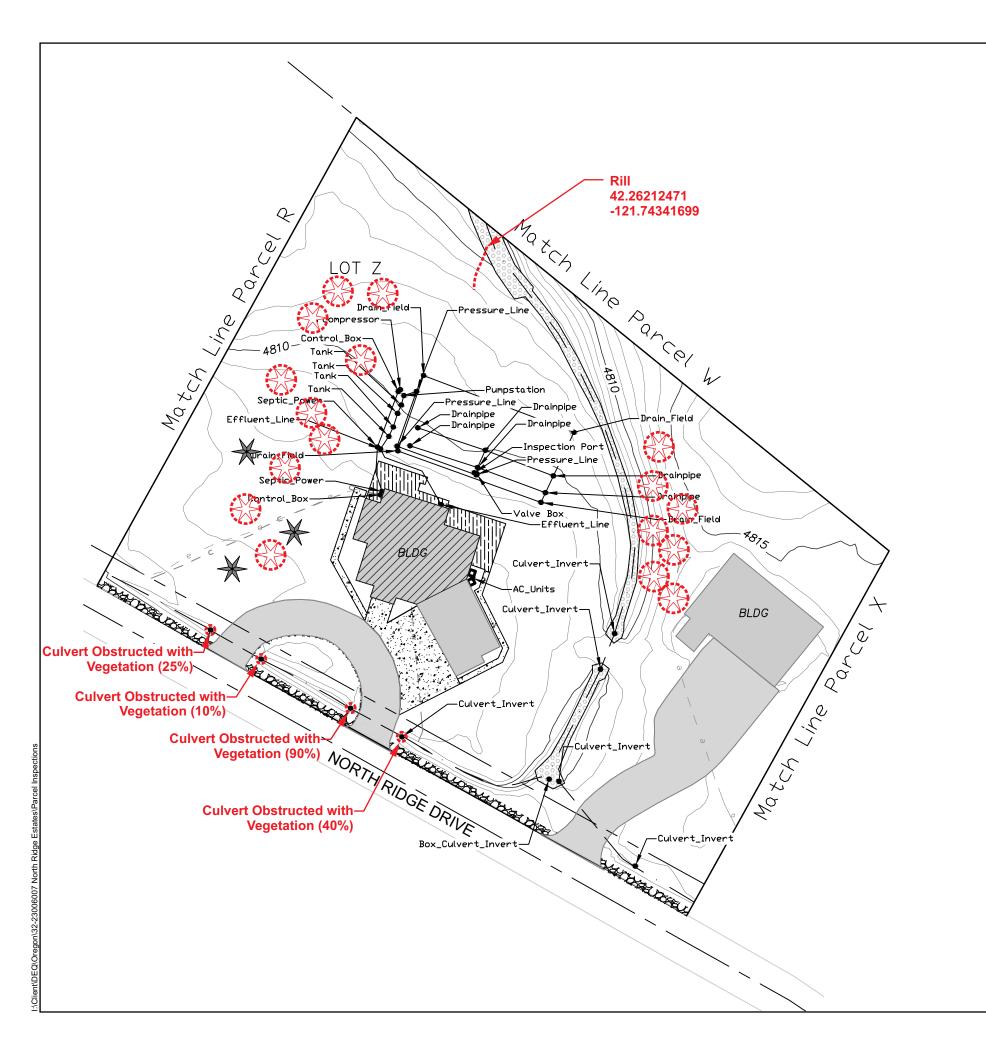
DEQ can provide documents in an alternate format or in a language other than English upon request. Call DEQ at 800-452-4011 or email deginfo@deq.oregon.gov

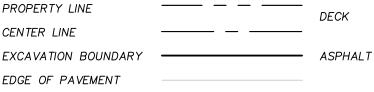
Parcel Z

	eral Site Information			01-1-10	6		Ossess (Massells Os	·····t \	Paras I/Tara III	Powel 7
Site Name:				State/County:			Oregon (Klamath Co	unty)	Parcel/Tax ID:	Parcel Z
EPA Point of Contact Linda Meyer (206) 553-6636			ODEQ Point of Contact			Katie Daugherty (503) 860-3943				
Inspection Date: 7/5/2023 Part II. Remedy Performance Assessment				Person(s) Performing Inspection:			Ben Echt (Apex Companies, LLC		Person(s) Performing Inspection:	
Remedy	Potential Problem	Yes	Yes				163	Yes, Describe Extent of Problem		Describe Potential Repair Solution
Component	Potentiai Problem	(Repair Needed)	(Monitor/ No Repair)	No	N/A		II '	res, Describe Extent of Problem		Describe Potential Repair Solution
Protective Cap	Have rills developed deeper than 2 inches?			×						
	Are the rills within a 10-foot interval?			×						
	Have gullies developed deeper than 6 inches?			×						
	Have animals created burrows in the protective cap?			×						
	Have vehicles damaged the protective cap?			×						
	Any evidence of ACM on Site including areas where the protective cap is less than 2 feet (see as-built drawings) or within the dripline of the legacy trees?			×						
	Are there areas that show evidence of unstable slopes, subsidence, or slope failure? Are there signs of active bank erosion and/or lateral cutting?			×						
	Any visible ACM along the perimeter of the Site (where applicable)?			×						
Vegetation	Evidence of distressed or sparse vegetation? (sparse vegetation no greater than 10 percent of area and bare areas no greater than 100 square feet)		×							
	Evidence of trees and shrubs in distress?		×			,	Numerous trees were noted to be either of Numerous new trees throug	dead or showing signs of stress through hout the parcel were observed to be in		
	Are there any stressed or dying trees that may impact or damage the protective cap when felled?			×						

Operations and Maintenance Inspection Form

	Obstructions observed in ditches or culverts that may impede conveyance of stormwater?	X				Both culverts on the southwestern portion of the parcel along North Ridge Drive were obstructed by vegetation. Probel has been persistent since 2021.	Remove obstructions from culverts to enable stormwater flow.
Ditches and Culverts	Damaged observed to riprap surface? Note if riprap is not intact or not effectively providing armor protection.		×			Some rip rap was observed to be missing in the ditch on the southern portion of parcel. (Same as 2021)	
	Are there any areas that show signs of excessive scour? (i.e., gullies forming along centerline of ditch)			×			
	Are culvert inlets and outlets damaged?			×			
Driveways and Walkways	Are the driveways showing signs of failure? (i.e., alligator cracking)			×			
	Are there any other signs of considerable damage to paved surfaces, other than normal wear and use?			×			
rawIspa Ind Dec	Are the liners inside crawlspaces and under covered decks damaged or punctured?				×	Liners were not visible below decks. (Same as 2021)	
	Are the liners exposed to UV radiation?				X		
Controls	Are access controls damaged?				×		
Access Controls	Are changes to the access controls needed?				×		
s in Site	Are there any new site features installed that have damaged the protective cap?			×			
Miscellaneous Features / Changes in Site Conditions / Misc.							
Misce							





Point Table

4810.53

4809.15

4813.94

4809.45

4810.34

4808.03

4808.76

4810.28

4810.45

4807.44

4808.76

4808.93

4809.73

4810.58

4809.87

4810.51

4810.18

4809.35

4810.24

4810.60

4808.96

4810.47

4810.44

4810.06

4810.11

219460.4270

219459.4100

219405.6220

219429.5590

219401.7040

219438.2030

219467.8140

219428.5710

219400.5300

219417.1220 219459.5270

219430.9720

219416.0070

219457.3200

219431.1650

219419.8870

219406.7760

219415.5130

219428.8560

219440.5700

219407.4740

219430.4970

219436.0780

219440.9830

219448.0350

4810.41 219416.5730 4584667.9660

UNDERGROUND COMM

UNDERGROUND POWER

STORMWATER DRAINAGE

Point # Raw Description Elevation

Aircompressor

Control_Box

Control_Box

Effluent_Line

Drain_Field

Drain_Field

Drain_Field

Drain_Field

Effluent Line

Inspection Port

Pressure_Line

Pressure_Line

Pressure_Line

Pumpstation

Drainpipe

Drainpipe

Drainpipe

Drainpipe

Drainpipe

Drainpipe

Septic_Power

Septic_Power

Tank

Tank

Tank

Tank

Valve Box

WATERLINE

CHANNEL

13053

13054

13055

13063

13056

13057

13058

13059

13060

13066

13067

13068

13069

13070

13071

13072

13073

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13076

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13079

13080

13081

13082

13083

13084

LEGEND

Easting

4584628.0280

4584627.0060

4584617.7450

4584617.7340

4584701.3310

4584718.5120

4584640.1530

4584626.7660

4584649.3440

4584666.6270

4584636.5160

4584626.3660

4584667.5280

4584629.9240

4584633.0680

4584668.3440

4584703.5570

4584707.7050

4584672.3180

4584637.1110

4584618.5140

4584616.1550

4584622.1040

4584624.3980

4584626.6250

219452.4730 4584628.5370



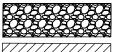
CONCRETE



OVERSIZE MATERIAL



GRAVEL SHOULDER



GEOMEMBRANE LINER



New Tree Location

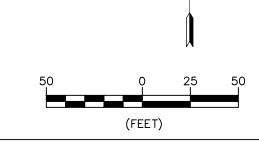


REGISTERED **PROFESSIONAL** AND SURVEYOR

OREGON MAY 20, 2015 DANIEL J. O'CONNOR

90081

RENEWAL DATE 01/01/21



Lot Z Inspection

2023 Annual Inspection Summary Report North Ridge Estates - Operable Unit 1 Klamath Falls, Oregon

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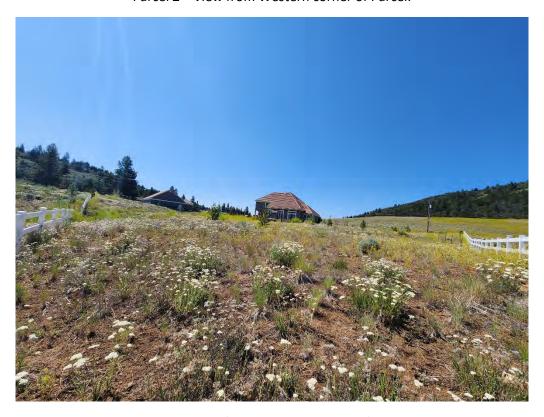
oex Companies, LLC 618 SW 72nd Avenue gard, Oregon 97224

Project Number: Drawn: Approved: 32-23006007 JP MS/AB Figure August 2023

Z.3



Parcel Z – View from Western corner of Parcel.



Parcel Z – View from Northern corner of Parcel.





Parcel Z – View from Southern corner of Parcel.



Parcel Z – View from East corner of Parcel.





Parcel Z – View of Culvert blocked by vegetation.



Parcel Z – View of Rill observed on Northern portion of Parcel.

