



Oregon

Tina Kotek, Governor

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 10, 2023

Steve & Leah Morrow
3710 Thicket Court
Klamath Falls, OR 97601

RE: Annual Inspection for Parcel BO
North Ridge Estates Superfund Site
ECSI No.6021

Dear Steve & Leah Morrow:

The Oregon Department of Environmental Quality completed an annual inspection of the protective cap on your property located at 3710 Thicket Court 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 than 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,

Katie DAUGHERTY

Katie 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 protective 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.



State of Oregon
Department of
Environmental
Quality

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.oregon.gov
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

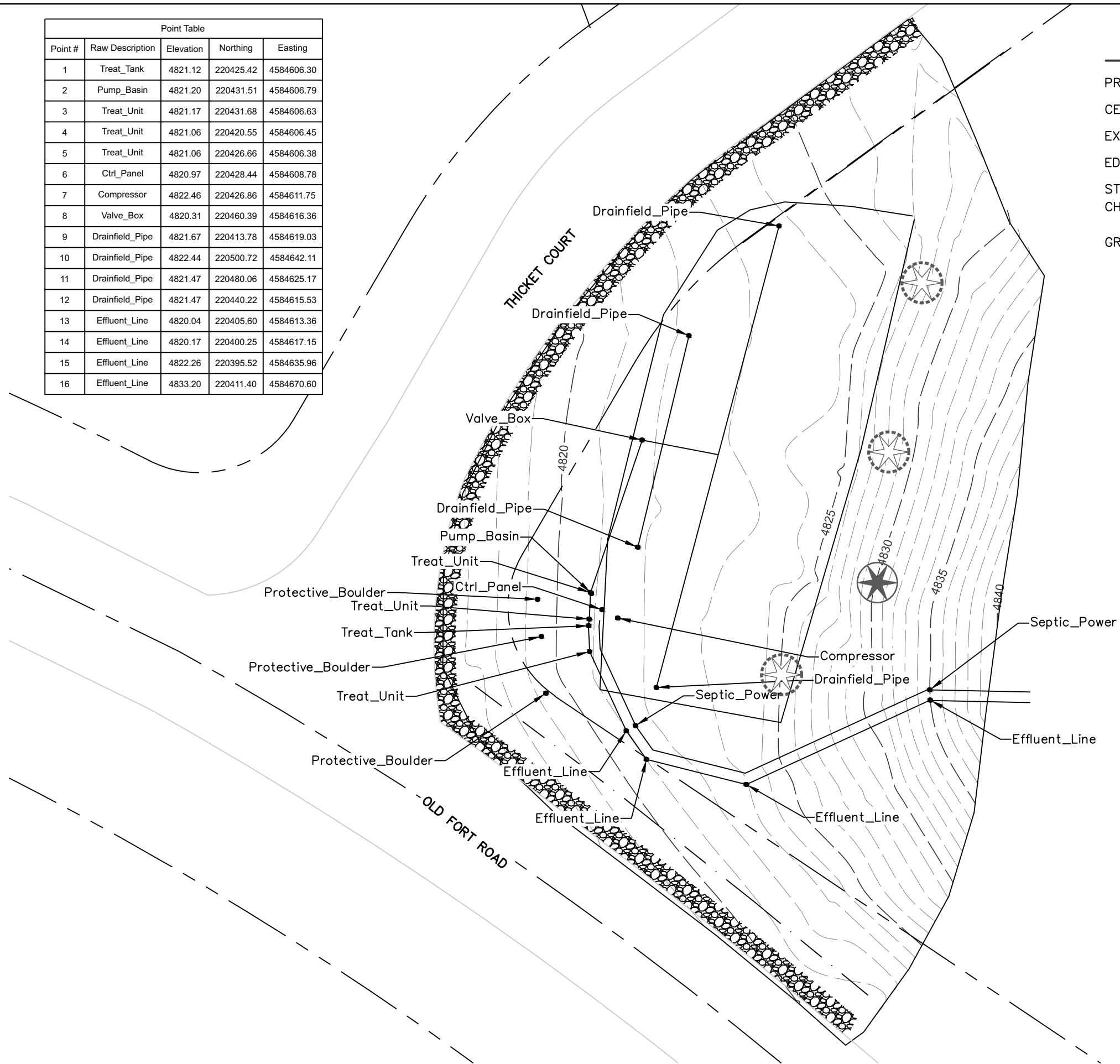
DEQ can provide documents in an alternate format or in a language other than English upon request. Call DEQ at 800-452-4011 or email deqinfo@deq.oregon.gov

Parcel BO

Part I. General Site Information							
Site Name:		North Ridge Estates		State/Country:		Oregon (Klamath County)	
EPA Point of Contact		Linda Meyer (206) 553-6636		ODEQ Point of Contact		Katie Daugherty (503) 860-3943	
Inspection Date:		7/6/2023		Person(s) Performing Inspection:		Ben Echt (Apex Companies, LLC)	
Parcel/Tax ID:		Parcel BO					
Person(s) Performing Inspection:		Person(s) Performing Inspection:					
Part II. Remedy Performance Assessment							
Remedy Component	Potential Problem	Yes (Repair Needed)	Yes (Monitor/ No Repair)	No	N/A	If Yes, Describe Extent of Problem	Describe Potential Repair Solution
Protective Cap	Have rills developed deeper than 2 inches?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
	Are the rills within a 10-foot interval?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
	Have gullies developed deeper than 6 inches?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
	Have animals created burrows in the protective cap?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
	Have vehicles damaged the protective cap?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
	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?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
	Are there areas that show evidence of unstable slopes, subsidence, or slope failure? Are there signs of active bank erosion and/or lateral cutting?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
	Any visible ACM along the perimeter of the Site (where applicable)?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
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)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Several areas are transitioning from grasses to sage brush vegetation. (Same as 2021)	
	Evidence of trees and shrubs in distress?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
	Are there any stressed or dying trees that may impact or damage the protective cap when felled?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>		

Ditches and Culverts	Obstructions observed in ditches or culverts that may impede conveyance of stormwater?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
	Damaged observed to riprap surface? Note if riprap is not intact or not effectively providing armor protection.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
	Are there any areas that show signs of excessive scour? (i.e., gullies forming along centerline of ditch)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
	Are culvert inlets and outlets damaged?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
Driveways and Walkways	Are the driveways showing signs of failure? (i.e., alligator cracking)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
	Are there any other signs of considerable damage to paved surfaces, other than normal wear and use?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
Crawlspace and Decks	Are the liners inside crawlspace and under covered decks damaged or punctured?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
	Are the liners exposed to UV radiation?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
Access Controls	Are access controls damaged?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
	Are changes to the access controls needed?	<input type="checkbox"/>		<input type="checkbox"/>	<input checked="" type="checkbox"/>		
Miscellaneous Features / Changes in Site Conditions / Misc.	Are there any new site features installed that have damaged the protective cap?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		

Point Table				
Point #	Raw Description	Elevation	Northing	Easting
1	Treat_Tank	4821.12	220425.42	4584606.30
2	Pump_Basin	4821.20	220431.51	4584606.79
3	Treat_Unit	4821.17	220431.68	4584606.63
4	Treat_Unit	4821.06	220420.55	4584606.45
5	Treat_Unit	4821.06	220426.66	4584606.38
6	Ctrl_Panel	4820.97	220428.44	4584608.78
7	Compressor	4822.46	220426.86	4584611.75
8	Valve_Box	4820.31	220460.39	4584616.36
9	Drainfield_Pipe	4821.67	220413.78	4584619.03
10	Drainfield_Pipe	4822.44	220500.72	4584642.11
11	Drainfield_Pipe	4821.47	220480.06	4584625.17
12	Drainfield_Pipe	4821.47	220440.22	4584615.53
13	Effluent_Line	4820.04	220405.60	4584613.36
14	Effluent_Line	4820.17	220400.25	4584617.15
15	Effluent_Line	4822.26	220395.52	4584635.96
16	Effluent_Line	4833.20	220411.40	4584670.60



LEGEND

PROPERTY LINE

CENTER LINE

EXCAVATION BOUNDARY

EDGE OF PAVEMENT

STORMWATER DRAINAGE CHANNEL

GRAVEL SHOULDER

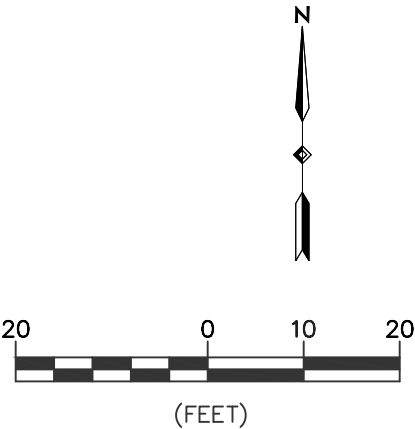
Dying Tree

New Tree Location

REGISTERED
PROFESSIONAL
LAND SURVEYOR



OREGON
MAY 20, 2015
DANIEL J. O'CONNOR
90081

RENEWAL DATE 01/01/21



Lot BO Inspection

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



Apex Companies, LLC
15618 SW 72nd Avenue
Tigard, Oregon 97224

Project Number:
32-23006007

Drawn:
JP

Approved:
MS/AB

Figure
BO.3

August 2023

Parcel BO



Parcel BO – View from Western corner of Parcel.



Parcel BO – View from Eastern corner of Parcel.

Parcel BO



Parcel BO – View from North corner of Parcel.



Parcel BO – View from Southern corner of Parcel.