Attachment 8



SEATTLE
RICHLAND
PORTLAND
FAIRBANKS
ANOHORAGE
DENVER
SAINT LOUIS

June 11, 2007

Alaska Demolition LLC 2903 Tanglewood Drive Anchorage, Alaska 99517

Attn: Mr. Justin Green

RE: STORM WATER PLAN REQUIREMENT, PRS INERT WASTE MONOFILL PALMER, ALASKA

This letter has been prepared by Shannon & Wilson Inc. (S&W) to address the applicability of storm water regulations under the National Pollutant Discharge Elimination System (NPDES) regulations for site activities at the Palmer Reclamation Site (PRS) inert waste monofill. Specifically, the document addresses the need for a Storm Water Pollution and Prevention Plan (SWPPP) under the NPDES regulations.

REGULATORY REQUIREMENTS FOR STORMWATER PLANS

The PRS facility is an inert waste monofill that is contained within a pre-existing quarry. Facility activities are permitted by the City of Palmer Planning and Zoning Commission Conditional Use Permit for Tax Parcel 17N02E08D008. The Conditional Use Permit requires under *Other Conditions*, Item #12 that "A storm water plan which meets applicable state law shall be prepared and implemented as approved."

Alaska state law regulates storm water management under the Environmental Protection Agency's (EPA) Clean Water Act and NPDES regulations. A SWPPP would be required for a NPDES storm water discharge permit, if such a permit was required for the PRS facility. The SWPPP serves to describe the potential sources of pollution that could enter storm water discharges, controls to retain sediment and remove pollutants, and other storm water management practices to protect water quality of receiving waters. However, the EPA states that "An industrial facility requires (NPDES) permit coverage for its storm water discharges under two conditions: 1) the runoff enters waters of the United States or enters a municipal separate storm sewer system before draining to waters of the U.S., and 2) the facility conducts an industrial activity as defined in the regulations (the Code of Federal Regulations at 40 CFR 122.26(b)(14)(i)-(xi))." A copy of the EPA Industrial Permitting Decision Tree is attached.

PRS Storm Water Plan Assessment June 11, 2007 Page 2

Mr. Nathan Patry of the Alaska Department of Environmental Conservation (ADEC) Division of Water was contacted on April 30, 2007 regarding the need for a SWPPP for the PRS facility. Mr. Patry indicated that if the storm water from the facility activities is captured on-site and allowed to evaporate, infiltrate the ground surface, or is used for irrigation, coverage under the NPDES permit is generally not necessary. In this circumstance, development and implementation of a SWPPP would not be required.

OVERVIEW OF SITE DRAINAGE CHARACTERISTICS

The PRS inert waste monofill is contained within a pre-existing quarry. The facility's industrial activities are conducted entirely within the existing excavation, at a lower elevation than the local surface grade. Accordingly, storm water within the monofill is contained entirely on-site, with negligible potential for runoff or other off-site conveyance. In accordance with the site's solid waste disposal permit, the fill area was evaluated for potential to accumulate standing water. Through the initial 1 to 1.5 years of operation, permanent ponded water was not observed by the on-site operators, or by occasional site visits by S&W personnel. During extended periods of heavy rainfall, it is reported that water temporarily accumulates in localized depressions, but completely infiltrates the underlying soil within one to two days following cessation of precipitation.

Storm water from nearby properties also drains to the open excavation. Of particular note is a culvert outlet near the site's northeast corner. This area was regularly monitored by site operators to evaluate potential impact of storm water drainage into the monofill. Based on these observations, there was less flow than anticipated, particularly during the spring thaw when snowmelt was expected to create a temporary storm water surge. We understand that at no time did storm water discharge through the culvert create standing water within the monofill pit.

CONCLUSIONS

Based on the site's drainage characteristics, the site does not presently generate a regulated storm water discharge. Precipitation and runoff is contained within the site boundaries, and infiltrates the ground surface instead of draining to a surface water body or municipal storm sewer system. Therefore, it is our professional opinion that a SWPPP is not required for the PRS facility at this time.

PRS Storm Water Plan Assessment June 11, 2007 Page 3

LIMITATIONS

The conclusions presented in this letter are based on site conditions and industrial activities reported by Alaska Demolition staff, and as observed by a Shannon & Wilson Inc. representative on November 3, 2005. It is assumed that the information provided is representative of the conditions and industrial activities throughout the site. The evaluation performed can only provide you with our best judgment as to the environmental characteristics of this site, and in no way guarantees that an agency or its staff will reach the same conclusions as Shannon & Wilson, Inc. The information presented in this letter should be considered representative of the time of our site assessment. Changes in site conditions can occur over time due to natural forces or human activity. In addition, changes in government codes, regulations, or laws may occur. Because of such changes beyond our control, our observations and interpretations for this site may need to be revised.

If you have questions or comments regarding this submittal, please contact the undersigned at (907) 561-2120. We look forward to the opportunity to continue providing environmental consulting needs on this project.

Sincerely,

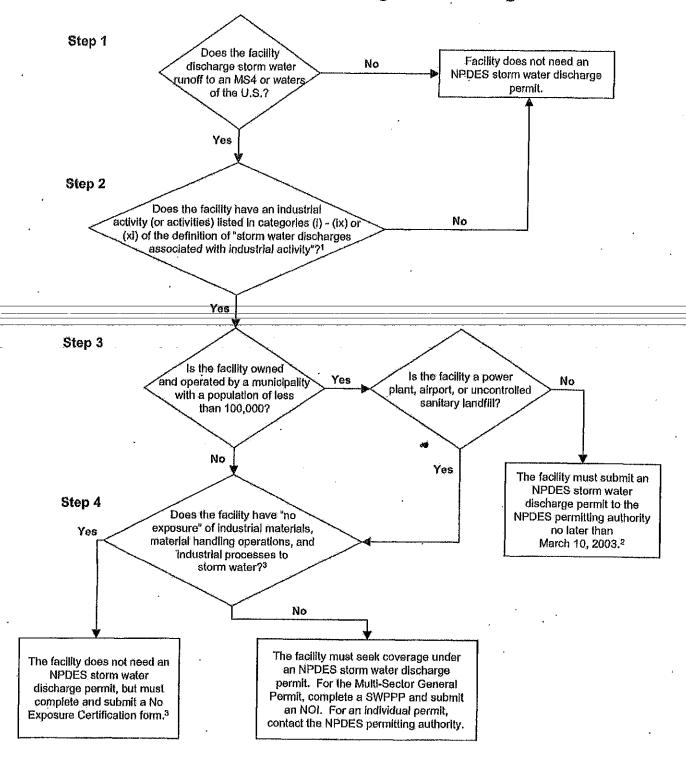
SHANNON & WILSON, INC.

Matthew S. Hemry, P.E.

Vice President

Enc: EPA Industrial Permitting Decision Tree

Industrial Facilities Storm Water Program Permitting Decision Tree



- 1. See 40 CFR 122.26(b)(14)(i)-(ix), (xi).
- 2. See new 122.26(e)(1)(ii). A permit is required unless there is a condition of no exposure as defined at new 122.26(g),
- 3. See new 122.26(g) for the definition of "no exposure" and the certification requirements,

Attachment 9



March 13, 2017

Department of Environmental Conservation

DIVISION OF ENVIRONMENTAL HEALTH Solid Waste Program

> 555 Cordova Street Anchorage, AK 99501 Phone: 907.269,7802 Fax: 907.269,7600 www.dec.alaska.gov

Certifled Mail #7016 2070 0000 6898 9227 Return Receipt Requested

Mr. Justin T.F. Green Alaska Demolition, LLC 2817 Rampart Dr. Anchorage, AK 99501

Subject:

Palmer AK Demo Construction & Demolition Waste Monofill

Solid Waste Permit No. SWZA004-19a

Dear Mr. Green:

The Alaska Department of Environmental Conservation (ADEC) has completed its evaluation of the Alaska Demolition, LLC (AK Demo) request for modification of the Palmer Construction & Demolition (C&D) Waste Monofill permit, #SWZA004-19. The modification will include an expansion of operations into Cell 2, adjacent to the current monofill cell. The modification was public noticed in the Mat-Su Valley Frontiersman on November 27 and 29, 2015. ADEC hereby modifies the permit and reissues it as #SWZA004-19a. This permit is being modified in accordance with Alaska Statute (AS) 46.03; Title 18, Chapter 15 of the Alaska Administrative Code (18 AAC 15); and the Solid Waste Regulations (18 AAC 60). Please review the conditions and stipulations in the permit and ensure that they are understood.

Any person who disagrees with this decision may request an adjudicatory hearing in accordance with 18 AAC 15.195 - 18 AAC 15.340 or an informal review by the Division Director in accordance with 18 AAC 15.185. Informal review requests must be delivered to the Division Director, Alaska Department of Environmental Conservation, 555 Cordova Street, Anchorage, AK 99501 within 15 days of the permit decision. Adjudicatory hearing requests must be delivered to the Commissioner of the Department of Environmental Conservation, 410 Willoughby Avenue, Suite 303, Juneau, Alaska 99801, within 30 days of the permit decision. If a hearing is not requested within 30 days, the right to appeal is waived. More information regarding submitting a request for an informal review or adjudicatory hearing may be found at www.dec.state.ak.us/commish/ReviewGuidance.htm. Even if an adjudicatory hearing has been requested and granted, all permit conditions remain in effect unless a stay has been granted.

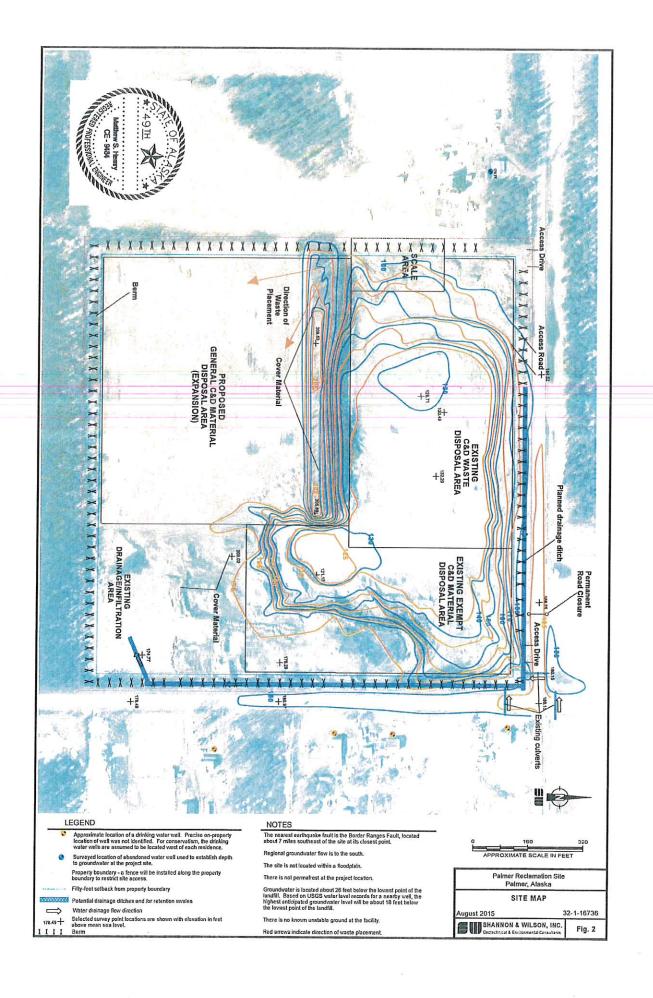
Please contact Reese Thieme at (907) 269-7590 or by email at <u>reese, thieme@alaska.gov</u> if you have any questions, or require any additional information.

Sincerely,

Lori Aldrich

Solid Waste Regional Program Manager

Enclosure: Permit #SWZA004-19a, expiring on April 1, 2019.





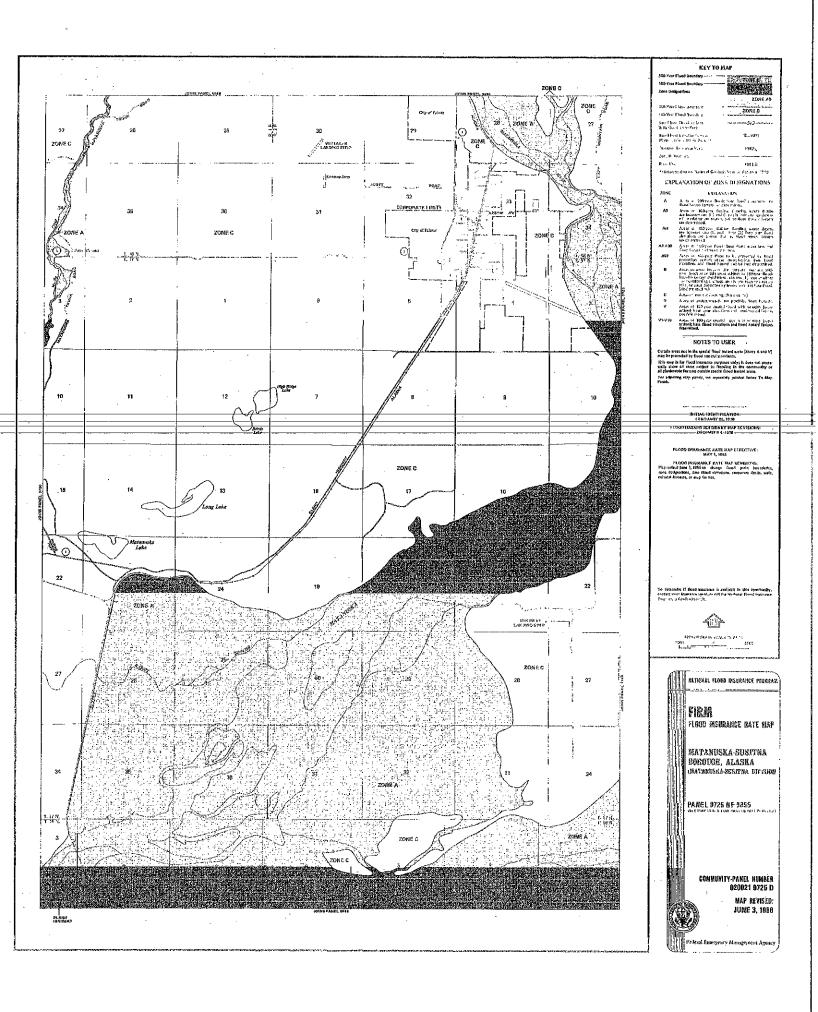
STATE OF ALASKA DEPARTMENT OF NATURAL RESOURCES DIVISION OF MINING, LAND & WATER Alaska Hydrologic Survey

WATER WELL LOG Revised 08/18/2016

Drilling Started					<u>5_/_1978Pump Install://</u>
City/Borough	Subdivis	ion	Block	Lot	Property Owner Name & Address
Matanuska-Susitna Borough ALASKA STATE FAIR 2010			1	Alaska State Fair,	
Well location: Latitude 61.57648004605974				Longitud	e -149.13060665130615
Meridian S Township 017N Range 002E Section					
BOREHOLE DATA: (from ground surface)					hod: Air rotary, Cable tool, Other
Suggest T.M. Hanna's hydrogeol https://my.ngwa.org/NC Product'				Well use:	Public supply, ☐Domestic, ☐Reinjection, ☐Hydrofracking
https://my.ligwa.org/NO 170ddct	: Id=d1000000	1	pth	Commerc	sial, ☐Observation/Monitoring, ☐Test/Exploratory, ☐ Cooling,
		From	<u>To</u>	Irrigation/	Agriculture, Grounding, Recharge/Aquifer Storage,
topsoil		0	3	Heating,	Geothermal Exploration, Other
gravel		3	14	Fluids used	
gravel and clay - gray		14	27		le: 100 ft Casing stickup:ft
gravel and clay brown	***************************************	27	83	Casing type	casing thickness: inches neter: 6 inches Casing depth: 100 ft
gravel fine brown sand a	and water	83	94		Depth: ft Diameter:inches
gravel and water		94	100	Note:	
5				Well intake	opening type: • Open end, Open hole, Other open end
					e:, Screen mesh size:
		Karominian - Lan			t:ft, Screen stop:ft, Perforated Yes I No
	addine and a second				description: Perf from: ft, Perf
					ft, Perf from: ft, Perf to: ft
					red Yes No Gravel start: ft , Gravel stop: ft
				Note:	//
				The second second second second	(from top of casing): 86 ft on/_ / Artesian well
					vel & yield: feet after hours at <u>1.5</u> gpm
			Developme	esting: nt method: Duration:	
			Recovery ra	te: gpm	
				Volume	
Include description or sketch of well location (include road names,		nomon	Depth: Fron	nft, Toft	
buildings, etc.):	en location (inc	lude road	Hallies,	Final pump	intake depth: ft Model:
					hp Brand name:
				I	sinfected upon completion? Yes No
				Method of d	A CONTRACTOR OF THE CONTRACTOR
				Was water of	quality tested? Yes No
				vvater qualit	y parameters tested:
				Component	name: LAND M DRILLING CO
					ress:
•				City:	State: AK 7in:
			Noth	Phone num	State: <u>AK</u> Zip:
AS 41.08.020(b)(4) and AAC 11 AAC 93.140(a) require that a					nature:
copy of the well log be submitted to the Department of Natural Resources within 45 days of well completion . Well logs may					1
be submitted using the online well log reporting system					unicipal Code 15.55.060(I) and North Pole Ordinance 13.32.030(D) require
available at: https://dnr.alaska.gov/welts/					this well log be submitted to the Development Services Department/City s of well completion.
OR email electronic well logs to				City Permit N Date of Issue	umber: ://
dnr.water.reports@alaska.gov					ication Number:

WATER WEY DRILLERS LOG Drilling Co. Driller Section (If known); distance from road: March Co. Driller Section (If known); distance from road:				
Size of Casing Depth of Hole feet. Cased to feet.				
Static water level 5'6 feet (above) (below) land surface. Finish of well				
(check one) Open end (X): Screen (): Perforated ().				
Describe screen or perforations: Well pumping test at — gallons per (hr) (min) for — hours with feet of drawdown from static level. Remarks — test 15 gal if in Min				
WELL LOG				
Depth in feet from Give details of formations penetrated, size of material, color, and hardness.				
1 10 3 Leg-10-16				
3 10/4- garanel				
14 1027 graveland clay gray				
27 to 83 grand and clay brown				
83 to 94 grand fine brown said and wester				
94 to 100 grand and water				
- 10				
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550 Rebarcheck A



April 2, 2024

Wetlands

Estuarine and Marine Deepwater

Estuarine and Marine Wetland

Freshwater Emergent Wetland

Freshwater Forested/Shrub Wetland

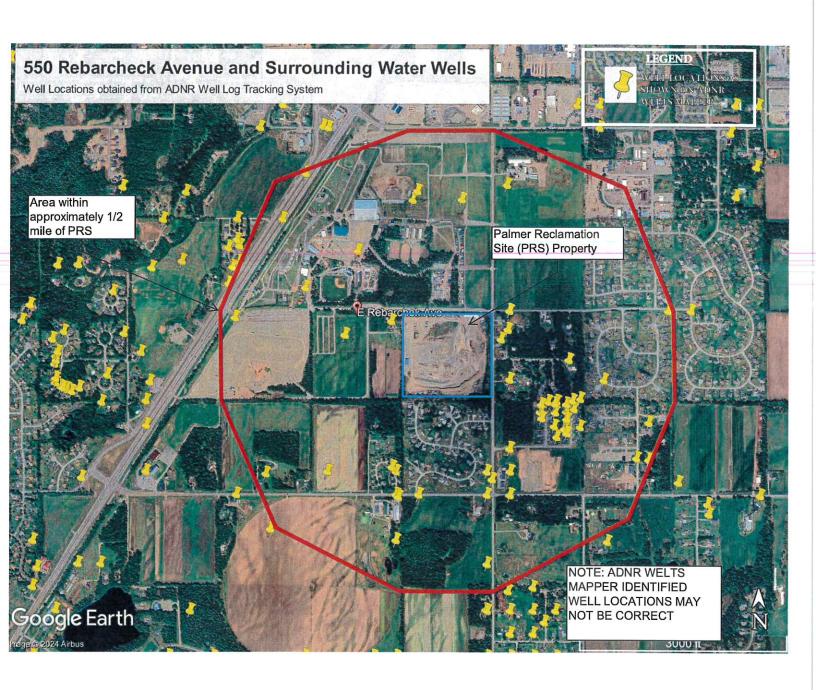
Freshwater Pond

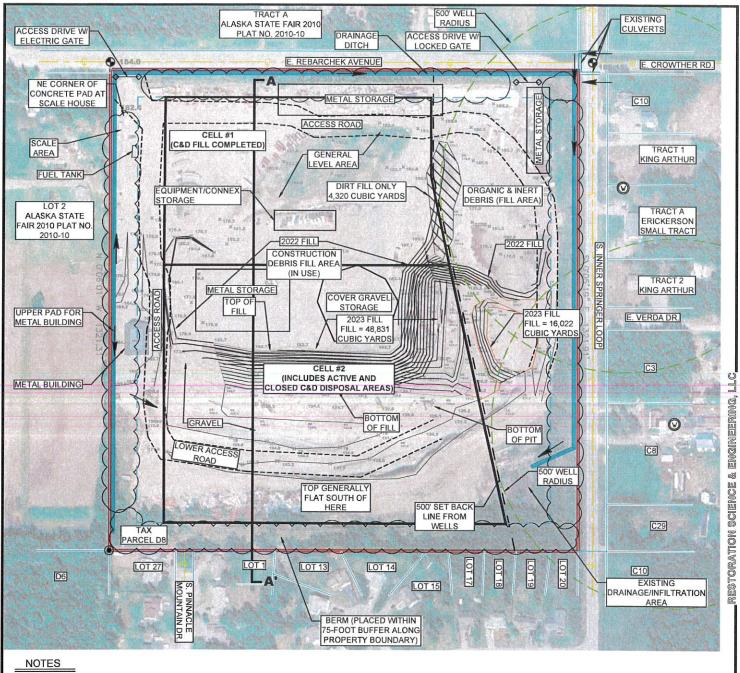
Lake

Other

Riverine

This map is fo Service is not base data sho be used in acc Wetlands Map



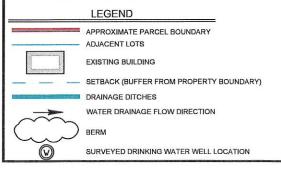


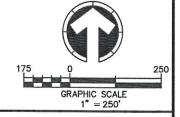
- SURVEY BASEMAP DATED AUGUST 14, 2023 PROVIDED BY DENALI NORTH.

 OTHER SITE MAP DRAINAGE AND NOTES OBTAINED FROM SHANNON & WILSON SEPTEMBER 2018 FIGURE 1 SITE MAP.

 THE NEAREST EARTHQUAKE FAULT IS THE BORDER RANGES FAULT, LOCATED ABOUT 7 MILES SOUTHEAST OF THE SITE AT ITS THE NEAREST EARTHQUAKE FAULT IS THE BORDER RANGES FAULT, LOCATED ABOUT 7 MILES CLOSEST POINT.
 REGIONAL GROUNDWATER FLOW IS TO THE SOUTH.
 THE SITE IS NOT LOCATED ON A FLOODPLAIN.
 THERE IS NOT PERMARROST AT THE PROJECT LOCATION.
 GROUNDWATER IS LOCATED ABOUT 26 FEET BELOW THE LOWEST POINT OF THE LANDFILL.
 BASED ON USGS WATER LEVEL RECORDS FOR NEARBY WELL, THE HIGHEST ANTICIPATED.
 GROUNDWATER LEVEL WILL BE ABOUT 18 FEET BELOW THE LOWEST POINT OF THE LANDFILL.
 THERE IS NO KNOWN UNSTABLE GROUND AT THE FACILITY.
 CONTOUR LINES FOR ELEVATION ARE FROM SURVEY PRIOR TO INITIAL CELL CONSTRUCTION.
 WELL LOCATION ONLY FOUND ON TRACT A ERICKERSON SMALL AND TAX PARCEL CB.
 SEE FIGURE 4 FOR PROFILE A—A.

- WELL LOCATION SURVEY DONE MA
 SEE FIGURE 4 FOR PROFILE A-A.





ALASKA DEMOLITION PALMER RECLAMATION SITE LANDFILL PERMIT RENEWAL

CURRENT SITE MAP

PALMER, ALASKA

JOB NO: 23-2784

DATE: 04.18.2024

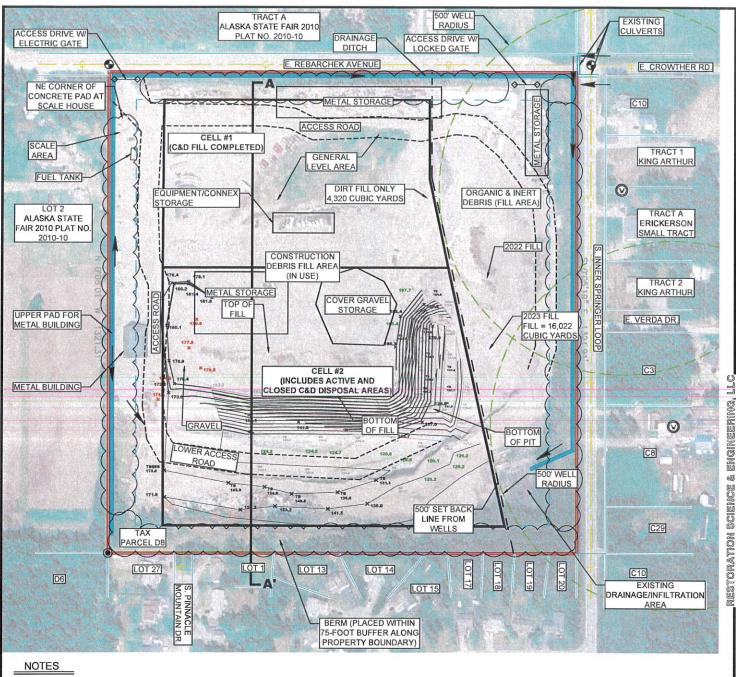
DRAWN: SWS

CHECKED: NW

91) West 8th Avenue, Suite 100 Anchorage, Alaska 99501 PH (907) 278-1023 FAX (907) 277-5718

RESTORATION

FIGURE 1



- SURVEY BASEMAP DATED AUGUST 14, 2023 PROVIDED BY DENALI NORTH.

 OTHER SITE MAP DRAINAGE AND NOTES OBTAINED FROM SHANNON & WILSON SEPTEMBER 2018 FIGURE 1 SITE MAP.
 THE NEAREST EARTHQUAKE FAULT IS THE BORDER RANGES FAULT, LOCATED ABOUT 7 MILES SOUTHEAST OF THE SI CLOSEST POINT.

- CLOSEST POINT.

 4. REGIONAL GROUNDWATER FLOW IS TO THE SOUTH.

 5. THE SITE IS NOT LOCATED ON A FLOODPLAIN.

 6. THERE IS NOT PERMAFROST AT THE PROJECT LOCATION.

 7. GROUNDWATER IS LOCATED ABOUT 26 FEET BELOW THE LOWEST POINT OF THE LANDFILL.

 8. BASED ON USGS WATER LEVEL RECORDS FOR NEARBY WELL, THE HIGHEST ANTICIPATED.

 9. GROUNDWATER LEVEL WILL BE ABOUT 18 FEET BELOW THE LOWEST POINT OF THE LANDFILL.

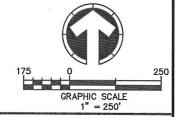
 10. THERE IS NO KNOWN UNSTABLE GROUND AT THE FACILITY.

 11. CONTOUR LINES FOR ELEVATION ARE FROM SURVEY PRIOR TO INITIAL CELL CONSTRUCTION.

 12. WELL LOCATION ONLY FOUND ON TRACT A ERICKERSON SMALL AND TAX PARCEL CB.

 13. WELL LOCATION SURVEY DONE MARCH 8TH/ 2023.

LEGEND



	LLOCITO
	APPROXIMATE PARCEL BOUNDARY ADJACENT LOTS
	EXISTING BUILDING
	SETBACK (BUFFER FROM PROPERTY BOUNDARY)
	DRAINAGE DITCHES
	WATER DRAINAGE FLOW DIRECTION
	BERM
©	SURVEYED DRINKING WATER WELL LOCATION
	DRAINAGE DITCHES WATER DRAINAGE FLOW DIRECTION BERM

ALASKA DEMOLITION PALMER RECLAMATION SITE LANDFILL PERMIT RENEWAL

FUTURE SITE MAP

CHECKED: NW

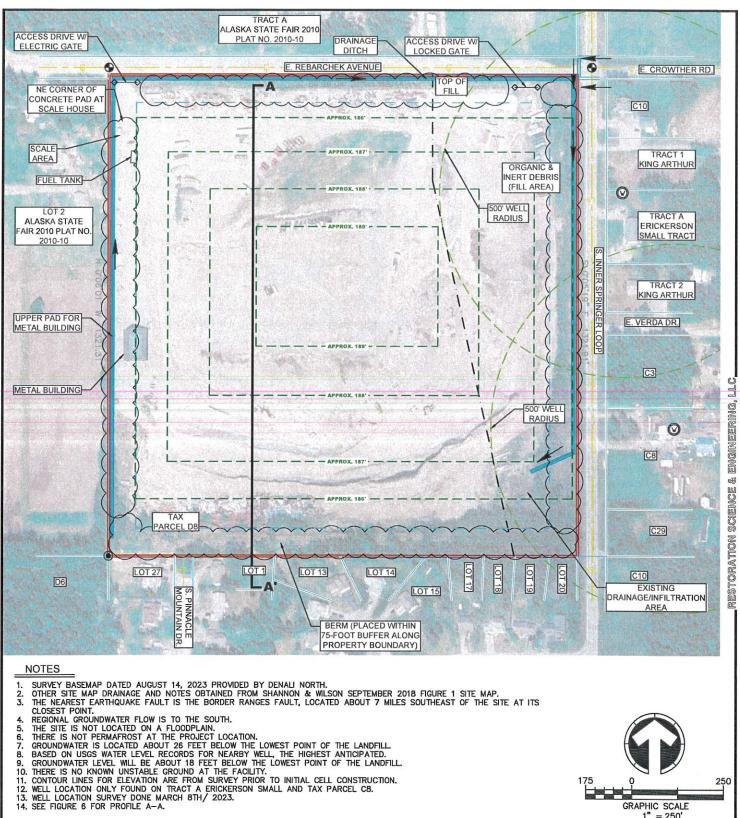
911 West 8th Avenue, Suite 100 Anchorage, Alaska 99501 PH (907) 278-1023 FAX (907) 277-5718

RESTORATION

PALMER, ALASKA JOB NO: 23-2784 DRAWN: SWS

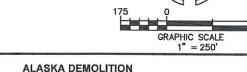
DATE: 04.18.2024

FIGURE 2



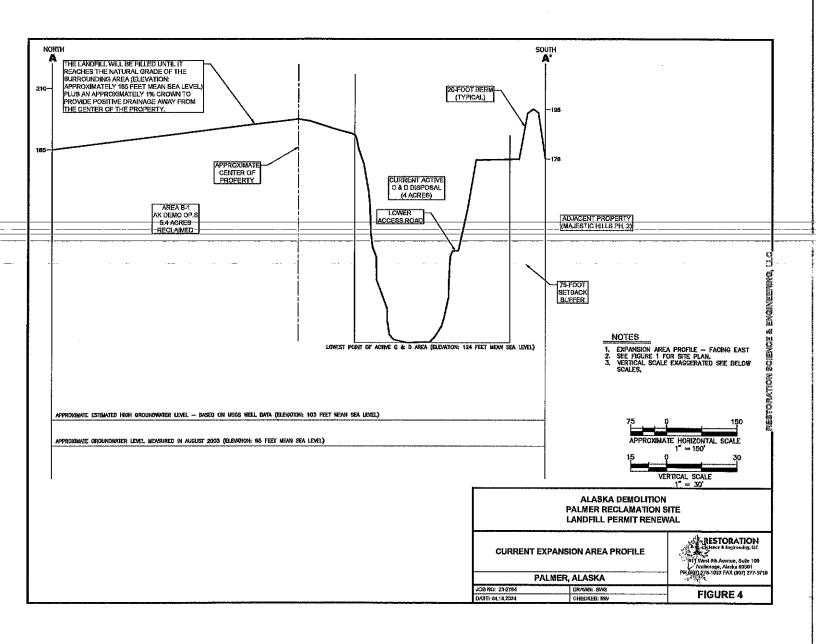


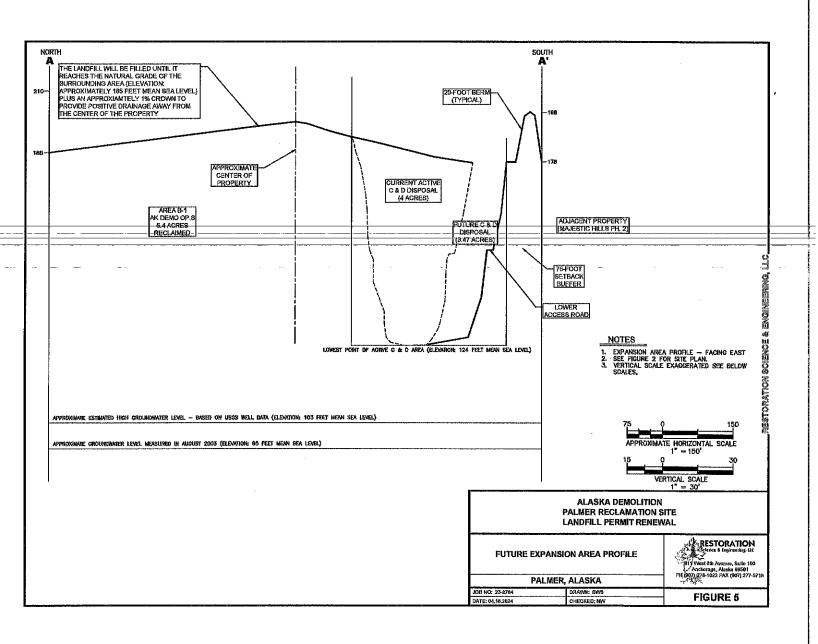


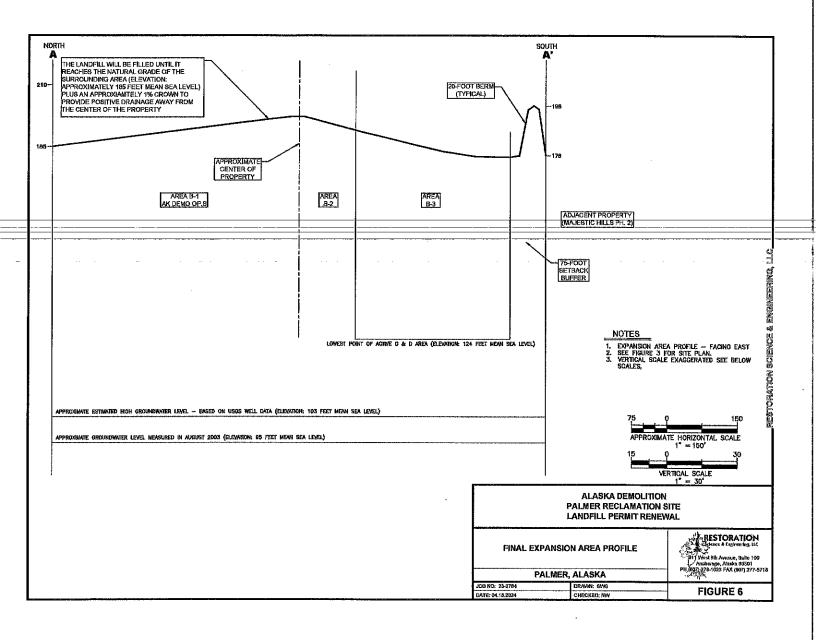


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	PALMER RECLAMATE	
F	INAL SITE MAP	RESTORATION Science & Engineering, LIC 91) West 8th Avenue, Suite 100 Anchorage, Alaska 99501
PALMER, ALASKA		PH (907) 278-1023 FAX (907) 277-5718
JOB NO: 23-2784	DRAWN: SWS	FIGURE 2
DATE: 04.18.2024	CHECKED: NW	FIGURE 3

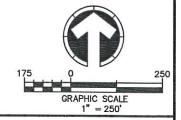








NOTE: MAP SOURCE GOOGLE EARTH AERIAL IMAGE DATE: JUNE 2023



ALASKA DEMOLITION PALMER RECLAMATION SITE LANDFILL PERMIT RENEWAL

SITE PLAN JUNE 2023

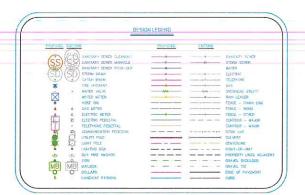
PALMER, ALASKA

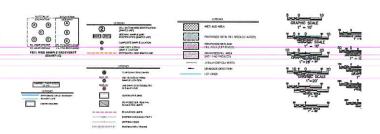
JOB NO: 23-2784 DATE: 04.18.2024 DRAWN: SWS

RESTORATION Science & Engineering, LLC

911 West 8th Avenue, Suite 100 Anchorage, Alaska 99501 PH (907) 278-1023 FAX (907) 277-5718

FIGURE 7















April 24, 2024

Alaska Department of Environmental Conversation Division of Environmental Health Solid Waste Program 555 Cordova Street

Anchorage, Alaska 99501

Via Email: kaylie.holland@alaska.gov / reese.thieme@alaska.gov

Dear ADEC Solid Waste Program,

See the attached 2023 As-built survey of the Palmer Reclamation site which includes the updated surveyed location of drinking water wells east of the site and located on Tract A Erickson Small Tract and Lot C8 Erickson Small Tract. The updated survey location shows the 500-foot well setback to the Palmer Reclamation site was previously arbitrarily positioned. Based on this information, Alaska Demolition is proposing to adjust the 500-foot well setback location as shown on the attached 2023 survey. The 2022 As-built survey is also attached for reference to show the former 500-foot well setback location which was based on assumed well locations.

This letter is provided in response to the review ADEC Solid Waste comments dated March 28, 2024, regarding the Palmer Reclamation Site Inert Waste Monofil Permit Application as a reference to allow ADEC to easily locate the updated items referenced in the comments.

Comment	Response
No.	Response
1	The referenced Exhibit L was unable to be located in Alaska Demolition files. A likely
	earlier version of the same Exhibit (Exhibit A from 2018 CUP) was found and is provided
	in Attachment 7 along with the 2018 CUP.
2	Information added to cover letter.
3	Information added to Figures 1-2.
4	Correct legal description (The Northeast one-quarter of the Southeast one-quarter (NE
	1/4, SE 1/4), Section 8, Township 17 North Range 2 East, Seward Meridian, Located in
	the Palmer Recording District, Third Judicial District, State of Alaska) added to permit
	application.
5	Shannon & Willson 2003 letter describing groundwater measurements provided in
	Attachment 1, reference to S&W 2003 letter also added to Insert Waste Permit
	application Letter in Attachment 1. Nearby historic Alaska State Fair well log showing
	static water level 86 feet below ground surface provided in Attachment 1.
6	Map showing wells identified on ADNR Well Log Tracking System Mapper within ½ mile
	of the PRS site provided in Attachment 1.
7	National Wetlands Inventory Mapper Map provided in Attachment 3.
8	FEMA Map provided in Attachment 1.
9	Figures updated to show requested items.
10	Figures updated to show requested items.
11	Figures updated to show requested items.
12	Figures updated to show requested items.





13	Figures updated to show requested items.
14	Information added to Operations Plan.
15	Information added to Operations Plan.
16	Information added to Operations Plan.
17	Information added to Operations Plan. Metals storage locations added to Figures 1-2.
18	Information added to Operations Plan.
19	Information added to Operations Plan.
20	Information added to Operations Plan.
21	Information added to Operations Plan.
22	Information added to Operations Plan.
23	Information added to Operations Plan.
24	Information added to Operations Plan.
25	Information added to Operations Plan.
26	Information added to Operations Plan.
27	Figures 1-7 from the 2019 permit application provided after the 2024 figures.
28	Information added to Operations Plan.
29	Information added to Operations Plan.
30	Information added to Operations Plan
50	Information added to Operations Plan.
Comment	Response
Comment	
Comment No.	Response
Comment No.	Response Visual Monitoring form updated with requested information. Waste, Materials, and
Comment No. 31	Visual Monitoring form updated with requested information. Waste, Materials, and other storage areas also added to Figures 1-2.
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Comment No. 31 32 33	Visual Monitoring form updated with requested information. Waste, Materials, and other storage areas also added to Figures 1-2. Visual monitoring form updated with requested information. Visual monitoring form updated to reference correct portion of Operations Plan.
Comment No. 31 32 33 34	Visual Monitoring form updated with requested information. Waste, Materials, and other storage areas also added to Figures 1-2. Visual monitoring form updated with requested information. Visual monitoring form updated to reference correct portion of Operations Plan. Visual monitoring form updated with requested information.
Comment No. 31 32 33 34 35	Visual Monitoring form updated with requested information. Waste, Materials, and other storage areas also added to Figures 1-2. Visual monitoring form updated with requested information. Visual monitoring form updated to reference correct portion of Operations Plan. Visual monitoring form updated with requested information. Visual monitoring form updated with requested information.
Comment No. 31 32 33 34 35 36	Visual Monitoring form updated with requested information. Waste, Materials, and other storage areas also added to Figures 1-2. Visual monitoring form updated with requested information. Visual monitoring form updated to reference correct portion of Operations Plan. Visual monitoring form updated with requested information. Visual monitoring form updated with requested information.
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The updated permit application and updated attachments for the Palmer Reclamation Site Inert Waste Monofil Permit Application are attached. Please contact Shaun Tucker at 907-301-8889 for any questions.

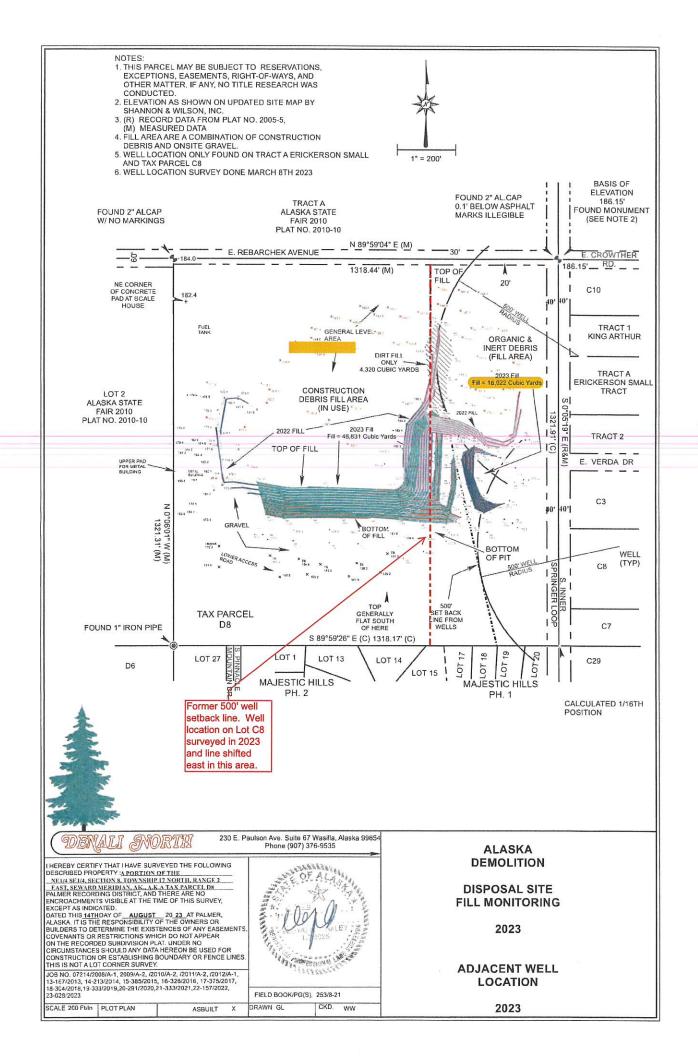
Best Regards,

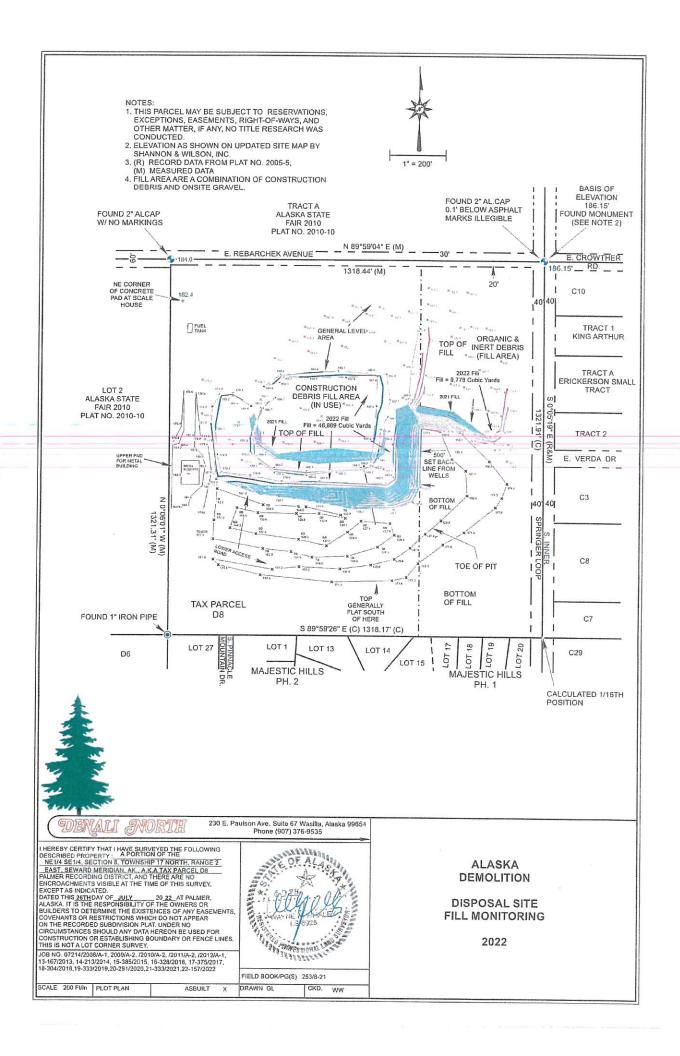
Shaun Tucker

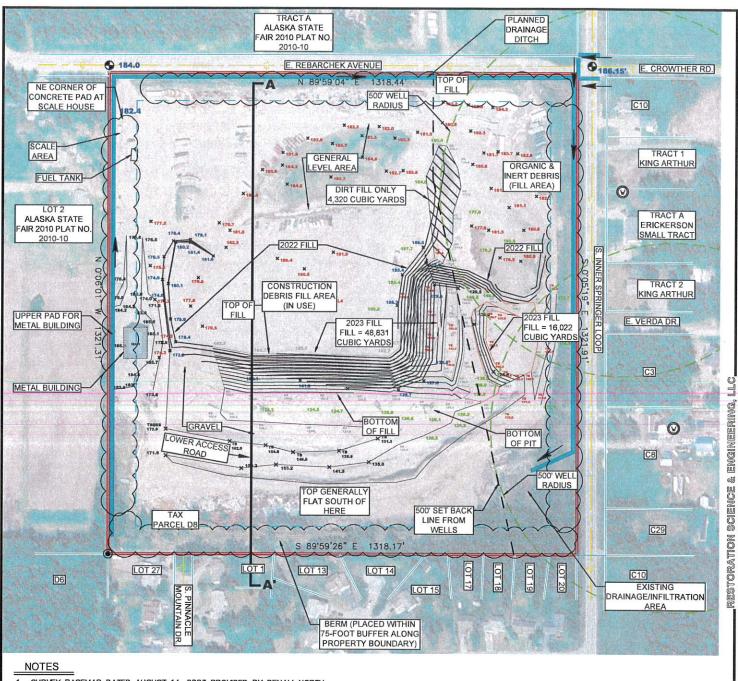
Environmental and Business Manager

Alaska Demolition LLC

Figures







- SURVEY BASEMAP DATED AUGUST 14, 2023 PROVIDED BY DENALI NORTH.

 OTHER SITE MAP DRAINAGE AND NOTES OBTAINED FROM SHANNON & WILSON SEPTEMBER 2018 FIGURE 1 SITE MAP.

 THE NEAREST EARTHQUAKE FAULT IS THE BORDER RANGES FAULT, LOCATED ABOUT 7 MILES SOUTHEAST OF THE SITE AT ITS CLOSEST POINT.

- CLOSEST POINT.

 4. REGIONAL GROUNDWATER FLOW IS TO THE SOUTH.

 5. THE SITE IS NOT LOCATED ON A FLOODPLAIN.

 6. THERE IS NOT PERMAFROST AT THE PROJECT LOCATION.

 7. GROUNDWATER IS LOCATED ABOUT 26 FEET BELOW THE LOWEST POINT OF THE LANDFILL.

 8. BASED ON USGS WATER LEVEL RECORDS FOR NEARBY WELL, THE HIGHEST ANTICIPATED.

 9. GROUNDWATER LEVEL WILL BE ABOUT 18 FEET BELOW THE LOWEST POINT OF THE LANDFILL.

 10. THERE IS NO KNOWN UNSTABLE GROUND AT THE FACILITY.

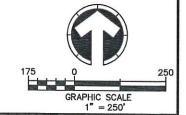
 11. CONTOUR LINES FOR ELEVATION ARE FROM SURVEY PRIOR TO INITIAL CELL CONSTRUCTION.

 12. WELL LOCATION ONLY FOUND ON TRACT A ERICKERSON SMALL AND TAX PARCEL C8.

 13. WELL LOCATION SURVEY DONE MARCH 8TH/ 2023.

 14. SEE FIGURE 4 FOR PROFILE A—A.

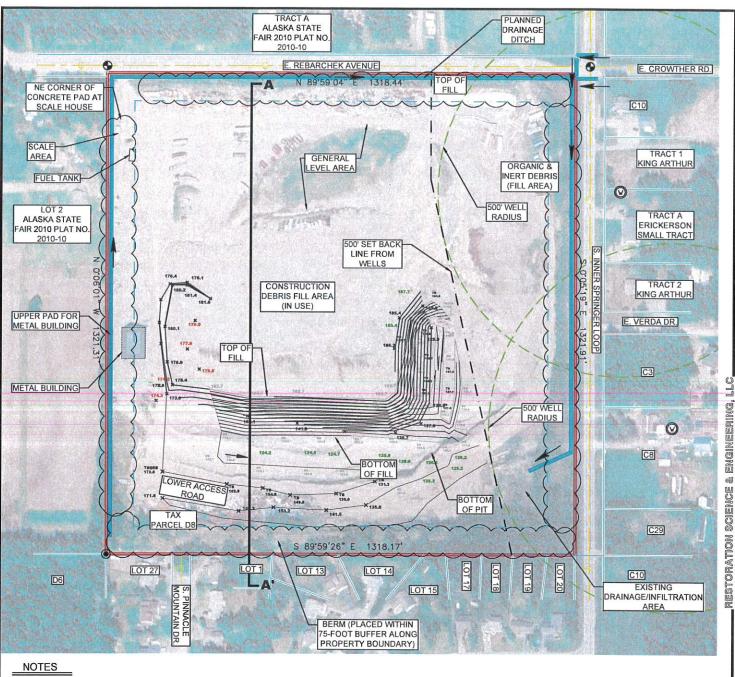
LEGEND



	LEGEND
	APPROXIMATE PARCEL BOUNDARY ADJACENT LOTS
	EXISTING BUILDING
	SETBACK (BUFFER FROM PROPERTY BOUNDARY)
STATE STATE OF THE	POTENTIAL DRAINAGE DITCHES AND/OR RETENTION SWALES
	WATER DRAINAGE FLOW DIRECTION
	BERM
\bigcirc	SURVEYED DRINKING WATER WELL LOCATION

ALASKA DEMOLITION
PALMER RECLAMATION SITE
LANDFILL PERMIT RENEWAL

CL	JRRENT SITE MAP	RESTORATION Science & Engineering, LIC 911 West 8th Avenue, Suite 100 Anchorage, Alaska 99501 PH (907) 278-1023 FAX (907) 277-5718
P.	ALMER, ALASKA	
JOB NO: 23-2784	DRAWN: SWS	FIGURE 4
DATE: 01 25 2024	CHECKED: MM	FIGURE 1



- SURVEY BASEMAP DATED AUGUST 14, 2023 PROVIDED BY DENALI NORTH.

 OTHER SITE MAP DRAINAGE AND NOTES OBTAINED FROM SHANNON & WILSON SEPTEMBER 2018 FIGURE 1 SITE MAP.

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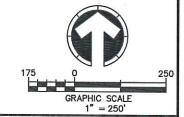
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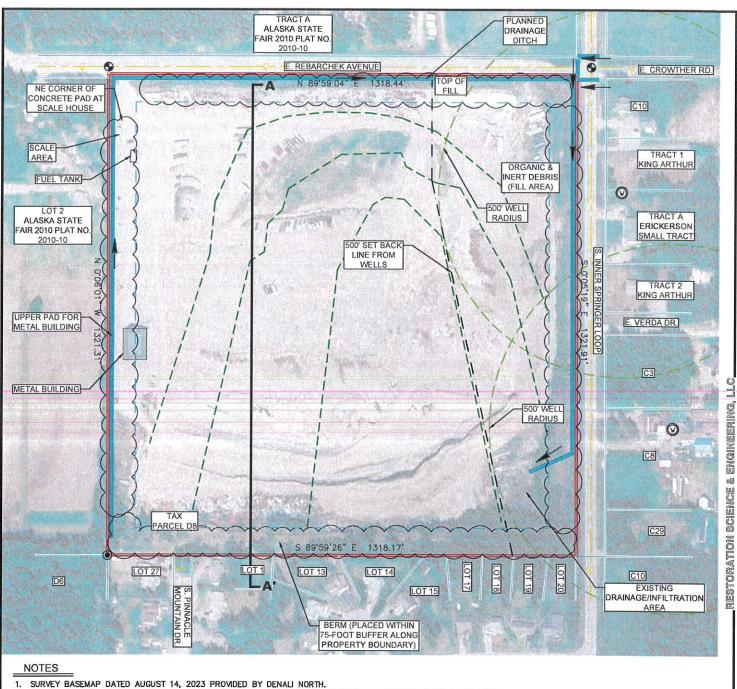
LEGEND



	APPROXIMATE PARCEL BOUNDARY ADJACENT LOTS
	ADDAGENTEGIG
	EXISTING BUILDING
	SETBACK (BUFFER FROM PROPERTY BOUNDARY)
	POTENTIAL DRAINAGE DITCHES AND/OR RETENTION SWALES
	WATER DRAINAGE FLOW DIRECTION
	BERM
\bigcirc	SURVEYED DRINKING WATER WELL LOCATION

	PALMER RECLAMA LANDFILL PERMIT F	
F	UTURE SITE MAP	RESTORATION Science & Engineering, LtC 81) West 8th Avenue, Suite 100 Anchorage, Alaska 99501
PALMER, ALASKA		PH (907) 278-1023 FAX (907) 277-5718
JOB NO: 23-2784	DRAWN: SWS	FIGURE 0
DATE: 01.25.2024	CHECKED: NW	FIGURE 2

ALASKA DEMOLITION



DATE: 01.25.2024

- SURVEY BASEMAP DATED AUGUST 14, 2023 PROVIDED BY DENALI NORTH.

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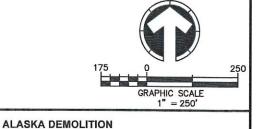
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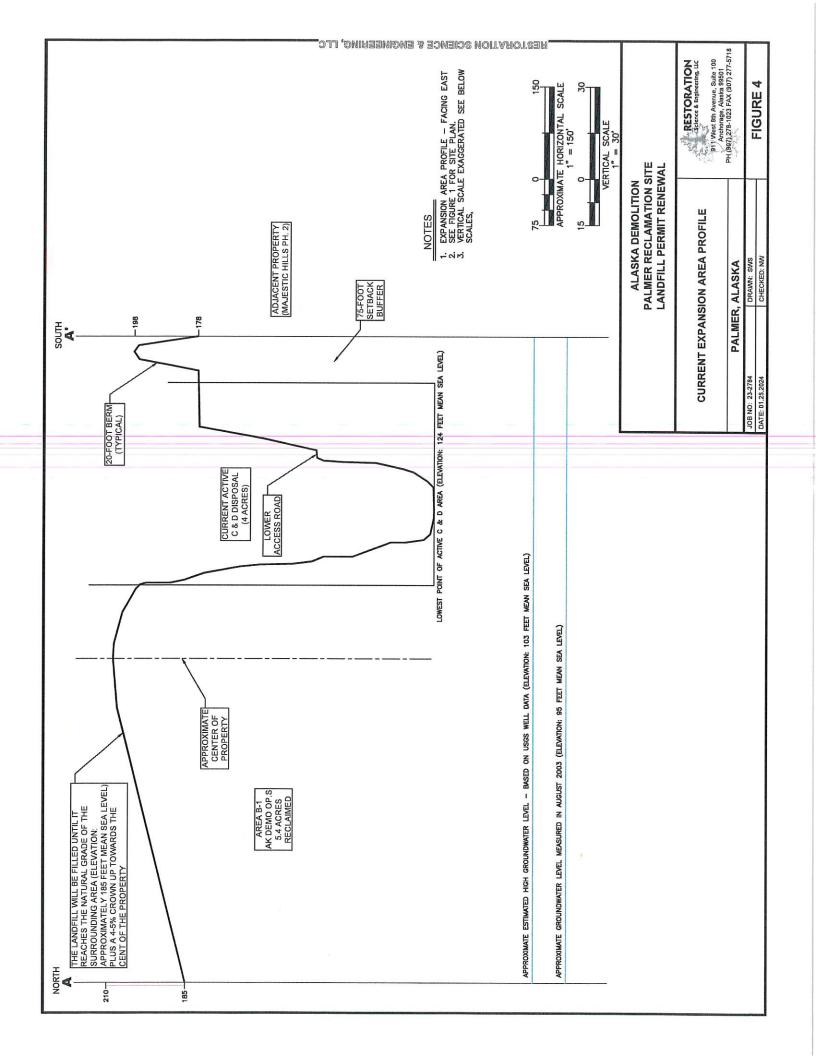
 13. WELL LOCATION SURVEY DONE MARCH 8TH/ 2023.

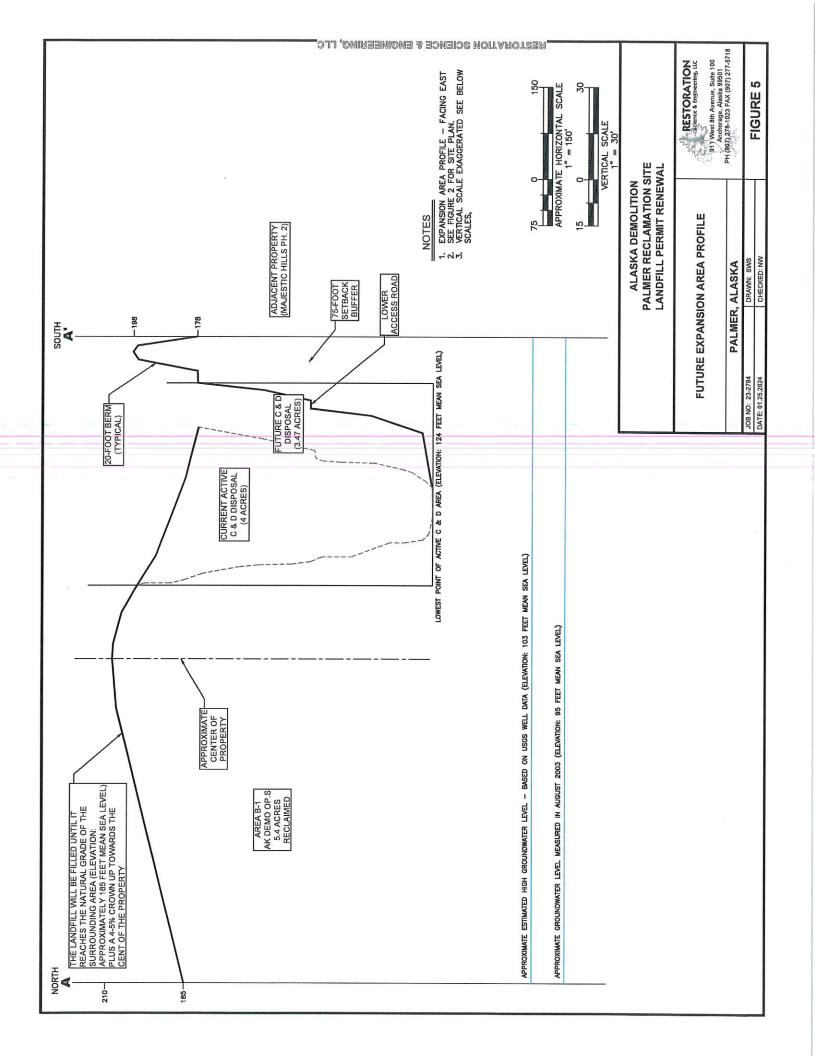


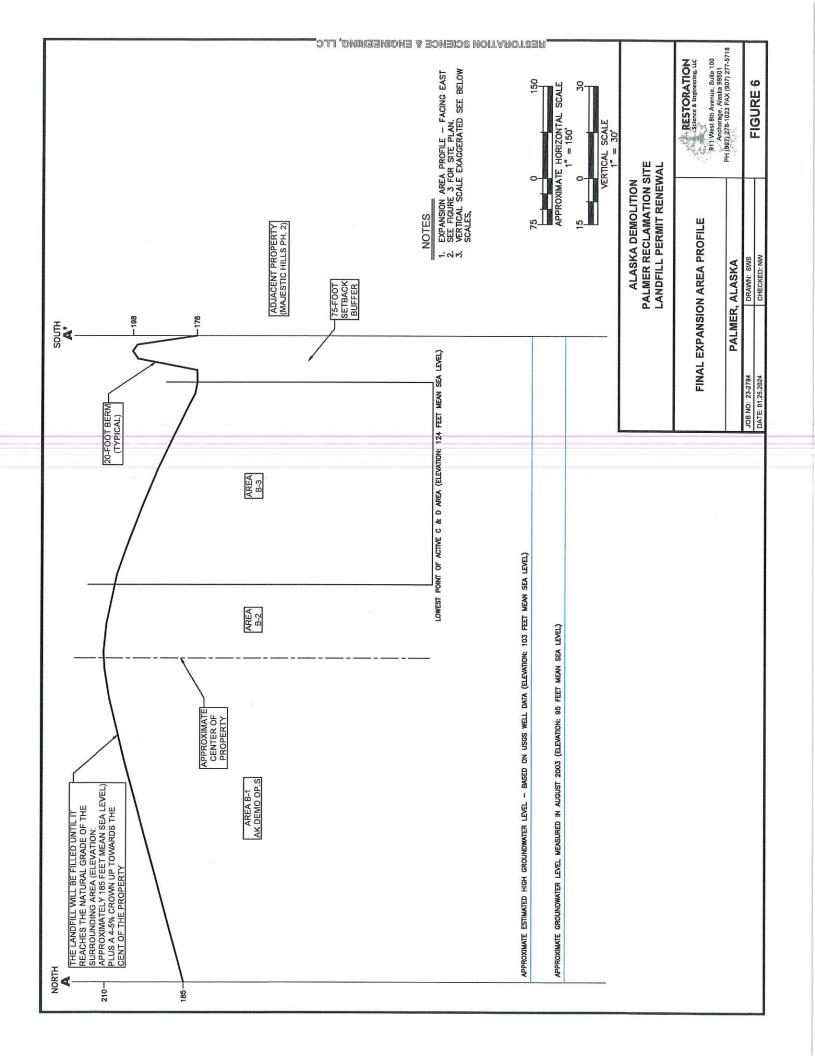
	LEGEND
	APPROXIMATE PARCEL BOUNDARY ADJACENT LOTS
	EXISTING BUILDING
	SETBACK (BUFFER FROM PROPERTY BOUNDARY)
	POTENTIAL DRAINAGE DITCHES AND/OR RETENTION SWALES
-00	WATER DRAINAGE FLOW DIRECTION
	BERM
\odot	SURVEYED DRINKING WATER WELL LOCATION

PALMER RECLAMATION SITE LANDFILL PERMIT RENEWAL		
FINAL SITE MAP		RESTORATION Science & Engineering, LIC 91) West 8th Avenue, Suite 100 Anchorage, Aleaka 99301
PALMER, ALASKA		PH (907) 278-1023 FAX (907) 277-5718
JOB NO: 23-2784	DRAWN: SWS	FIGURE 3
DATE: 01 25 2024	CHECKED: NW	

CHECKED: NW

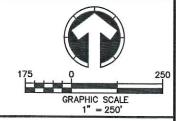








NOTE: MAP SOURCE GOOGLE EARTH AERIAL IMAGE DATE: JUNE 2023



ALASKA DEMOLITION PALMER RECLAMATION SITE LANDFILL PERMIT RENEWAL

SITE PLAN JUNE 2023

PALMER, ALASKA

JOB NO: 23-2784 DRAWN: SWS
DATE: 01.25.2024 CHECKED: NW

RESTORATION Science & Engineering, LLC

911 West 8th Avenue, Suite 100 Anchorage, Alaska 99501 PH (907) 278-1023 FAX (907) 277-5718

FIGURE 7