

July 7, 2025

Mr. John Witte
Public Works Director
City of Valdez
JWitte@ValdezAK.Gov

Subject: City of Valdez 2025 Landfill Survey

Dear Mr. Witte:

In response to the City of Valdez's (COV's) meeting requesting a proposal on June 11, 2025, HDR Engineering, Inc. (HDR) hereby submits this proposal to provide an updated survey of the COV's Balefill and Construction & Demolition (C&D) landfill. The survey would include new topographic information of the existing site for the COV's use in permitting and planning.

Scope of Work:

HDR proposes to produce one draft and one final set of survey drawings. The 2025 Landfill Survey will include the following:

- Coordination with the Valdez Airport for compliance with regulations for aerial survey using an unmanned aerial vehicle (UAV or drone).
- Surveys will be completed and stamped by a Registered Land Surveyor (RLS).
- Survey of groundwater monitoring well horizontal coordinates and elevations.
- Electronic Topography in AutoCAD Civil 3D 2018 format
 - Elevations in NAVD88 GEOID 12B vertical datum.
 - Topographic information such as break-line and boundary information, Triangular Irregular Network (TIN) surfaces, and other information that HDR requires for the creation of Digital Terrain Models without further data manipulation in AutoCAD.
 - Distances and elevations shall be accurate to 0.1 to 0.3 feet dependent on acquisition method.
 - Electronic copies of all field data in .csv or similar format. All electronic point file data shall include Point ID, Northing, Easting, Elevation, and Description (PNEZD).
 - "Waste Disposal Areas" (see Attachment 1) shall be on a twenty (20)-foot grid stationing, or smaller, plus horizontal and vertical grade breaks and constructed features such as road lines.
 - "Remaining Property" (see Attachment 1) shall be on a fifty (50)-foot grid stationing, or smaller, for the C&D Landfill and eighty (80)-foot grid stationing, or smaller for the Balefill (plus horizontal and vertical grade breaks and constructed features such as road lines).

Deliverables:

1. Survey Drawings stamped by a Registered Land Surveyor, submitted as a PDF (draft and final)
2. Electronic Data Files for the Survey Drawings (draft and final)

All deliverables will be submitted to the COV as electronic files only.



Schedule:

We propose the following schedule:

1. Rowland Engineering Consultants (RECON) will conduct the aerial survey in the Fall of 2025 to collect LiDAR data once vegetation provides less interference.
2. HDR to submit the draft 2025 survey to COV within 14 calendar days of receiving topographic data of both sites from RECON.
3. The COV will provide comments to HDR within two weeks of receiving the draft submittal.
4. HDR will submit the final 2025 Survey to the COV within 21 calendar days of receipt of the review comments.
5. Delays due to weather conditions may impact the schedule and cost.

Cost:

HDR proposes to complete this project on a time and expenses basis for an estimated cost not to exceed \$43,678. See Attachment 2 for a detailed breakdown of costs.

Assumptions:

1. COV will not require edits to the draft 2025 survey that require acquisition of additional data. Edits will be limited to labeling or interpretation of points.
2. The survey scope does not include further manipulation of the data or rendering to match previous formatting in COV solid waste permits.
3. COV review comments on the draft 2025 survey will be consolidated into one file.
4. The COV will provide RECON access to the sites and groundwater monitoring wells.
5. Costs do not include delays due to weather conditions. Unexpected lost UAV flight days due to the weather would be at additional cost.
6. COV will provide a person to show the surveyor where the groundwater monitoring wells are located and open the monuments for surveying top of casing.

If you have any questions, please contact Courtney Holston, E.I.T. at (907) 644-2195 or courtney.holston@hdrinc.com.

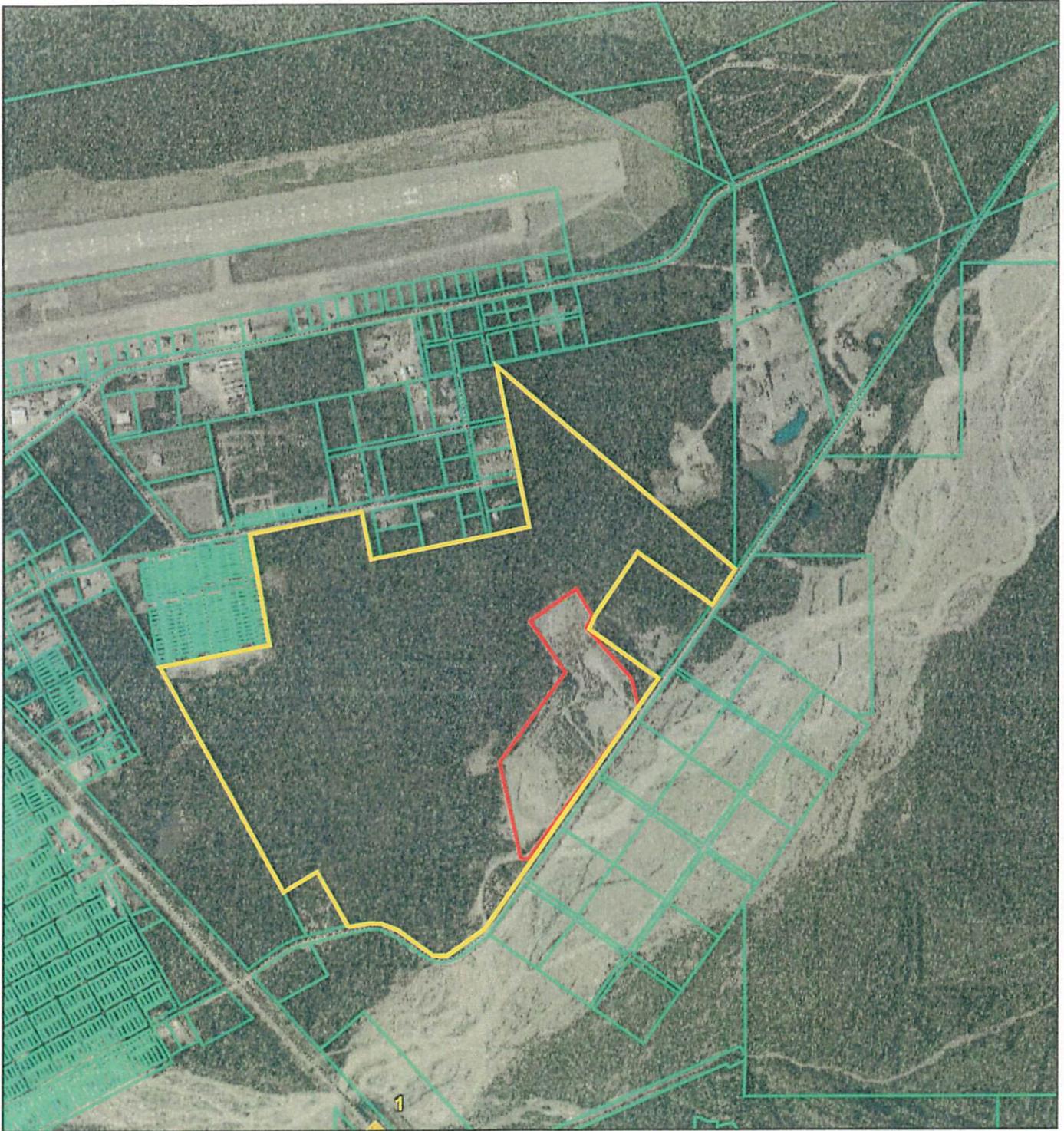
Respectfully,
HDR Engineering, Inc.


Anna Kohl (Jul 3, 2025 14:58 AKDT)
Anna Kohl, C.E.P.
Alaska Area Manager

Attachments:

1. Project Survey Areas
2. Detailed Cost Estimate Breakdown

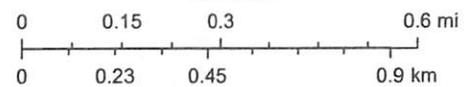
Attachment 1 - Project Survey Areas
Balefill



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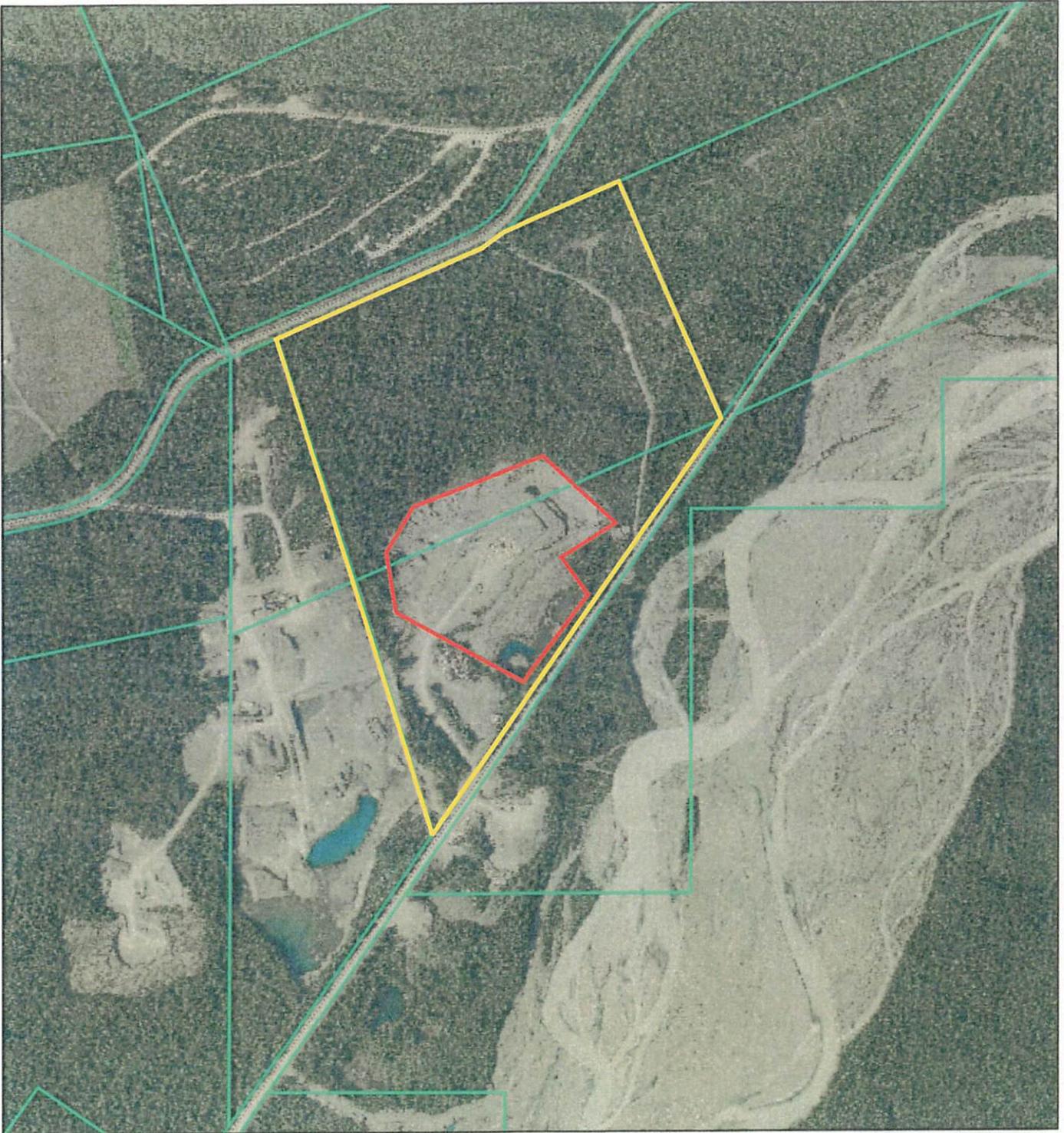
-  Parcels
-  Mile_Points
-  Valdez City Limits



-  Approximate "Waste Disposal Area" - 20 ft grid
-  Approximate "Remaining Property Area" - 80 ft grid
(note some of the actual property area removed to avoid other operations)

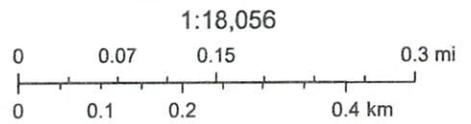
JAP, City of Valdez; JAP, Maxar

Attachment 1 - Project Survey Areas
C&D Landfill



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-  Parcels
-  Valdez City Limits
-  Approximate "Waste Disposal Area" - 20 ft grid
-  Approximate "Remaining Property Area" - 50 ft grid



JAP, City of Valdez; JAP, Maxar

Attachment 2 - Detailed Cost Estimate Breakdown

HDR Engineering, Inc.
COV 2025 Landfill Survey

Time and Materials

COV 2025 Landfill Survey		HDR Labor						SUBS				OTHER DIRECT COSTS				TOTAL COSTS	
		Project Manager	Deputy Project Manager	CAD Specialist	Water Quality Specialist	Project Accountant	Hour Subtotal	Cost Subtotal	RECON Survey	Subs Subtotal	Markup	Subs Subtotal with Markup	Shipping	Other Direct Costs Subtotal	Markup (other direct costs)		Other Direct Costs Subtotal with Markup
		Employee	Employee	Employee	Employee	Employee											
2025 Rates		\$138.60	\$165.00	\$114.64	\$198.00	\$157.08					10%				10%		
1	Survey	11	4	3	1	3	22	\$3,198	\$36,800	\$36,800	\$3,680	\$40,480	\$0	\$0	\$0	\$0	\$43,678
1.1	Project Management and Coordination	6	1			2	9	\$1,311	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$1,311
1.2	Survey	5	3	3	1	1	13	\$1,887	\$36,800	\$36,800	\$3,680	\$40,480	\$0	\$0	\$0	\$0	\$42,367
* Rates based on multiplier with yearly escalation																	
Labor Hour Total		11	4	3	1	3											
TOTAL COSTS		\$ 1,525	\$ 660	\$ 344	\$ 198	\$ 471	22	\$3,198	\$36,800	\$36,800	\$3,680	\$40,480	\$0	\$0	\$0	\$0	\$43,678

Notes:

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