



May 26, 2021

Mr. Matt Morales, P.E.
Cinder Lake Landfill Project Manager
6770 E Landfill Road
Flagstaff, AZ 86004

RE: Cinder Lake Landfill Sequence D Phase 1
GMP Proposal

Mr. Morales,

After reviewing the documents, meeting with you to discuss the revised scope, and getting proposal revisions from prospective subcontractors and material suppliers, we present our GMP for the Phase 1 of Sequence D. This GMP is provided based on the following comments, exclusions, and clarifications.

Comments:

The overall cost of this project has increased over the JOC proposal provided last fall. The majority of the cost increases are due to: Fuel increase from \$1.60 to \$2.75, HDPE liner material increases, Fencing material increases, Grounding material increases, other minor increases (labor and equipment.) In addition, per our discussion we included the cost to fill the new construction water pond, the cost to hammer the anticipated oversize (which also increased the amount of material to crush and associated cost), and added a cost to perform compaction testing within the cell footprint while placing embankment.

Additionally, we included a contingency item as discussed to account for known risks: we pay the subcontractor crushing the material based on tons passing his belt scale and have assumed a conversion factor of 1.8, liner availability and pricing volatility due to current market/Covid conditions, fencing in rock condition (assumed soil/cinder), and lightning – crew standby charges; unknown risks; additional work that may be desired by Cinder Lake Landfill during this phase of construction; and finally any overruns on quantities of work.

Exclusions

- We have excluded quantity surveys, this will be provided by the City's surveyor.
- SWPPP (working under the CLL SWPPP.)
- Permits

Clarifications

- We have assumed this project is taxable. The landfill does not appear to be within the city limits and thus have included Coconino GRT only.
- We anticipate NTP of July 2, 2021 and anticipate overall duration of 10 weeks.
- This project does not appear to impact landfill traffic and thus we have not included costs for traffic

- control and have left Bid Item 2 blank.
- Bid item 3 “Clearing & Grubbing” is limited to the new pond area, new access road footprint and the preliminary cell footprint. All debris will be taken to the working face or green waste.
 - All quantities will be measured and paid for utilizing the unit pricing provided. City of Flagstaff’s surveyor will be responsible for the pre-construction topo and final topo to measure those quantities. Rummel Construction, Inc. will be responsible for all construction related staking & survey.
 - The construction water pond construction timing will occur during the construction of the preliminary cell. Timing is dependent upon HDPE liner availability and having crushed material for pond embankments.
 - Bid item 5 “Embankment Silty sand” required for the new construction water pond is assumed to be in close proximity to the actual pond – we are utilizing a loader to pack the material to the pond.
 - Bid item 8 “Geomembrane” is 60 mil smooth white HDPE. This item includes a flexible ladder similar to attached detail.
 - Bid item 9a “Chain-Link Fence and Gates” (2 EA double gates with 6’ leafs) are per plan sheets with top and bottom tension wire (not rails). Assumed native soil. If rock encountered, additional costs would be incurred and paid under the contingency item. The plans did not provide a layout for the fence, we have assumed a rectangle with 4 EA corner posts.
 - Bid item 15 “Rip Rap with Lined Filter Fabric” assumes that the rock will be sourced from Cinder Lake Landfill – no purchase has been included.
 - Bid item 17 “Excavation, Segregation and Crushing of 36” Rock” is the excavation of the preliminary cell to design grades or refusal, crushing the excavated material to a 3” minus specification. This crushed material will be used in the preliminary cell embankments (first priority) and then the access road embankments (second priority.)
 - Bid item 19 “Hammer oversize for Crushing” is the cost to hammer any rock larger than 36” diameter to allow for the crushing of this oversize material.

Please contact me with any questions.

Sincerely,

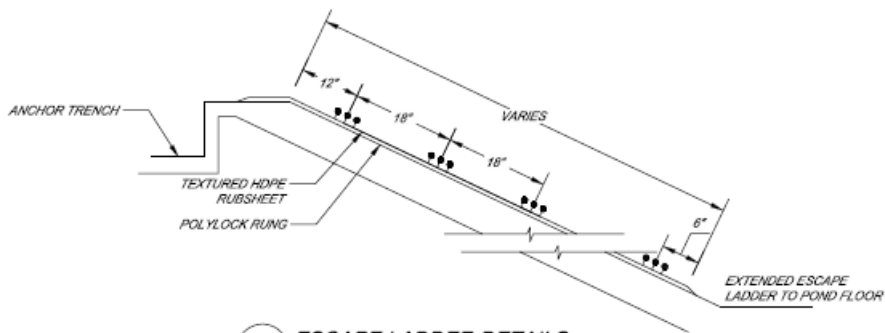
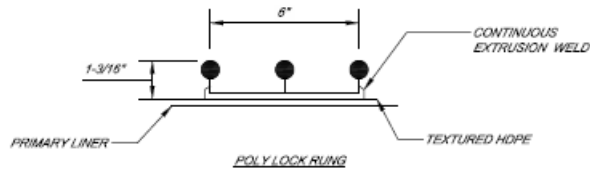
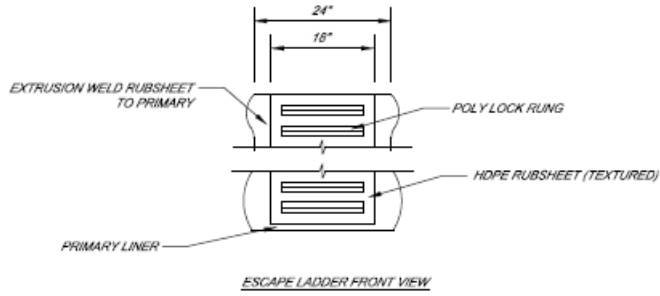


Mike Clafin
Estimator

Enclosures: GMP pricing, flexible ladder detail

GMP PROPOSAL

Biditem	Description	Quantity	Units	Unit Price	Bid Total
1	MOBILIZATION	1.000	LS	116,300.00	116,300.00
2	TRAFFIC CONTROL	1.000	LS	0.00	
3	CLEARING AND GRUBBING	1.000	LS	10,000.00	10,000.00
	Subtotal Phase I				\$126,300.00
4	EXCAVATION	1,175.000	CY	4.00	4,700.00
5	EMBANKMENT - SILTY SAND	653.000	CY	6.60	4,309.80
6	EMBANKMENT - 3" MINUS	165.000	CY	23.50	3,877.50
7	QUALITY CONTROL TESTING OF SOILS	1.000	LS	1,000.00	1,000.00
8	GEOMEMBRANE 80 X 127	10,160.000	SF	5.80	58,928.00
9a	CHAIN-LINK FENCE AND GATES	1.000	LS	32,000.00	32,000.00
9c	FILL POND	318.000	MG	39.00	12,402.00
	Subtotal Reservoir				\$117,217.30
10	EXCAVATION	175.000	CY	4.50	787.50
11	EMBANKMENT	10,555.000	CY	12.00	126,660.00
12	QUALITY CONTROL TESTING OF SOILS	1.000	LS	10,555.00	10,555.00
13	HEADWALL WITH TRASH RACK	1.000	EA	10,000.00	10,000.00
14	HEADWALL DOWNSTREAM	1.000	EA	7,000.00	7,000.00
15	RIP RAP WITH LINED FILTER FABRIC	1.000	LS	2,850.00	2,850.00
16	24" ID RCP	48.000	LF	210.00	10,080.00
	Subtotal Haul Road				\$167,932.50
17	EXCAVATION, SEGREGATION AND CRUSHING OF 36"- ROCK	35,000.000	CY	14.00	490,000.00
18	EMBANKMENT	20,000.000	CY	4.75	95,000.00
19	HAMMER OVERSIZE FOR CRUSHING	18.000	DAY	4,900.00	88,200.00
20	QUALITY CONTROL TESTING OF SOILS	1.000	LS	10,000.00	10,000.00
	Subtotal Preliminary Cell				\$683,200.00
21	OWNER CONTINGENCY	1.000	LS	204,000.00	204,000.00
	Bid Total				\$1,298,649.80



2 **ESCAPE LADDER DETAILS**
3G/P09 NOT TO SCALE