SOURCE SOILS EXCAVATION PLAN (CP-38)

Rice Oil Company, Inc. c/o Mr. Rick Parrott Harpersville Coosa Mart

ADEM Facility ID: 15217-117-007086 UST Incident Number: UST12-03-10

237 Highway 280 East

Harpersville, Alabama 35078

(Shelby County)

March 20, 2024

Prepared for:

Rice Oil Company, Inc. c/o Mr. Rick Parrott 404 Sterling Park Circle Alabaster, Alabama 35007

Prepared by:

SPHERE 3 ENGINEERING, INC

(Alabama General Contractor #49971) 3433 Sierra Drive Hoover, Alabama 35216

Phone: (205) 403-3317

SPHERE 3 File: RP-ROC.HCM.38



CERTIFICATION PAGE

I certify under penalty of law that this Source Soils Excavation Plan and all specifications, and technical data submitted within were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiring of the person or persons who directly gathered the enclosed information, the information submitted is to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information.

Signature

Greg Hoagland, P.E.



21581

Registration Number

March 20, 2024



March 20, 2024

Mr. James Robinson Alabama Department of Environmental Management Groundwater Branch, Land Division 1400 Coliseum Boulevard Montgomery, Alabama 36110-2059

Re: Source Soils Excavation Plan (CP-38)

Rice Oil Company, Inc., c/o Mr. Rick Parrott

Harpersville Coosa Mart

ADEM Facility ID Number: 15217-117-007086

Incident Number: UST12-03-10

237 Highway 280 East

Harpersville, Alabama (Shelby County) 35078

SPHERE 3 File: RP-ROC.HCM.38

Dear Mr. Robinson:

On behalf of Rice Oil Company, Inc., SPHERE 3 Engineering, Inc. (SPHERE 3) is pleased to submit this Soil Excavation Plan and Alabama Tank Trust Fund (ATTF) Cost Proposal CP-38 for the subject facility. The Cost Proposal was requested by the Alabama Department of Environmental Management (the Department) following review of SPHERE 3's Soil Assessment Report, dated November 7, 2023.

Soil Excavation Plan

The results of the recent soil assessment activities indicate that hydrocarbon-impacted soils, including soils with Chemicals of Concern (COCs) concentrations exceeding applicable Site Specific Target Levels (SSTLs), are present in the vicinity of the former dispensers, and along the southwestern side of the former gasoline UST area. The area of impacted soils is estimated to be approximately 1,350 square feet and, assuming a depth of 10 feet, the volume of impacted soils is estimated to be approximately 13,500 cubic feet, or 500 cubic yards (approximately 750 tons, assuming 1.5 tons per cubic yard). The proposed soil excavation area is shown on Figure 1. While it is possible that additional areas of hydrocarbon-impacted soils are present at the site, the proposed excavation area corresponds to the primary source areas (the former fuel dispensers, product lines, and USTs). Excavation and removal of hydrocarbon-impacted soils in these areas will eliminate source mass, and may expedite the reduction of dissolved-phase COCs concentrations in groundwater at the site.

Prior to conducting the excavation, recovery well RW-1 (which is located within the proposed excavation area) will be abandoned in-place by grouting full depth, from bottom to top. Other monitor wells located near the perimeter of the excavation (including MW-1R, DW-1, and DW-2) also may be affected by the excavation activities. However, SPHERE 3 will attempt to preserve these wells during the excavation process.

Loading, Transporting and Backfilling Activities

Simultaneous with the excavation activities, all waste materials will be loaded and transported to a Subtitle D landfill for permitted disposal under manifest protocol. Transporting the waste

3433 Sierra Drive Hoover, Alabama 35216 Phone: (205) 403-3317 Fax: (205) 403-3318

Source Soils Excavation Plan (CP-38) Harpersville Coosa Mart ADEM Facility ID No. 15217-117-007086; UST12-03-10 237 Highway 280 East, Harpersville (Shelby County), Alabama Page 2 of 3

materials will be accomplished with a series of 20-yard rolloff containers or tandem/tri axle dump trucks.

Upon completion of the excavation activities, the excavation site will be backfilled with crushed limestone (CA7, 1-inch or similar) to approximately 24 inches below the land surface. Following the 1-inch crushed limestone, an 18-inch layer of medium to fine grained, clean soils will be applied and compacted. The soils will act as a barrier to seal the area and retard/reduce the infiltration of surface runoff. To complete the backfill, a 6-inch paving layer of crushed limestone (#57, ¾-inch or similar) will be applied to the compacted soils to match the local land surface.

Finally, Type II recovery well RW-1 will be reconstructed. To reconstruct RW-1, a nominal 10-inch diameter soil boring will be advanced at its original location to a depth of approximately 20 feet below the ground surface (bgs). Upon completion, the new soil boring will be completed as Type II recovery monitor well RW-1R using 4-inch diameter PVC materials, including 15 feet of 0.01-inch slotted well screen. Recovery monitor well RW-1R will be completed at the surface with a 12-inch diameter, bolt-down manhole cover secured in a 24-inch square concrete pad poured and finished slightly mounded above the surrounding land surface. A typical Type II monitor cross sectional diagram is provided as Attachment 1. Soil sampling is not proposed, however, the collection of a groundwater sample is proposed from RW-1R to establish a dissolved COCs baseline for benzene, toluene, ethylbenzene, total xylenes (BTEX), methyltertiary-butyl-ether (MTBE), and naphthalene.

Excavation Plan Implementation Costs

To provide a cost analysis of the activities associated with this plan, SPHERE 3 solicited quotes from Curtis Service Company, Inc. of Oneonta, Alabama, All Star Construction Company of Orange Beach, Alabama, Big Sky Environmental of Adamsville, Alabama, and Waste Management of Opelika, Alabama. Curtis Service Company provided an all-inclusive proposal, including excavating the source area, loading the waste materials, backfilling/compacting the excavation site, and hauling the waste materials to the selected Subtitle D landfill. All Star Construction Company provided a proposal to include excavating the source area, loading the waste materials, and backfilling/compacting the excavation site. Big Sky Environmental and Waste Management provided proposals to include hauling the waste materials to their respective Subtitle D landfill and permitted disposal.

The proposals are summarized as follows:

Excava	<u>ıtinç</u>	٦,	Loa	<u>ding</u>	and	<u>Backfilling</u>
			_	-		

•	Curtis Service Company, Inc.	\$74,500.00
•	All Star Construction Company	\$76,750.00

Hauling Waste Materials to Landfill

•	Curtis Service Company, Inc.	\$56,000.00
•	Big Sky Environmental	\$93,750.00
•	Waste Management	\$157,125.00

Subtitle D Permitted Disposal

•	Big Sky Environmental	\$20,250.00
•	Waste Management	\$42,750.00

Source Soils Excavation Plan (CP-38) Harpersville Coosa Mart ADEM Facility ID No. 15217-117-007086; UST12-03-10 237 Highway 280 East, Harpersville (Shelby County), Alabama Page 3 of 3

Each proposal is provided within Attachment 2. The most economical combination is to allow Curtis Service Company to provide the excavating, loading, hauling and backfilling services and award Big Sky Environmental the disposal services.

Management and Reporting

If approved, SPHERE 3 will prepare and submit a waste profile to the ADEM Land Division to obtain disposal of the waste soils generated during the excavation process. Upon conclusion of the activities proposed herein, SPHERE 3 will prepare and submit a CAP Implementation Report to the Department. This report will include all relevant excavation estimates, disposal documentation, and will provide recommendations for the appropriate future course of action at the facility.

Plan Preparation and Implementation Cost Proposal

ATTF Cost Proposal CP-38 has been prepared to include the cost to prepare this plan and to estimate the costs to implement the activities proposed herein. ATTF Cost Proposal CP-38 will be submitted under separate cover.

It is a pleasure to work with you on this project. If you have any questions or comments, please call. Our telephone number is (205) 403-3317. Thank you.

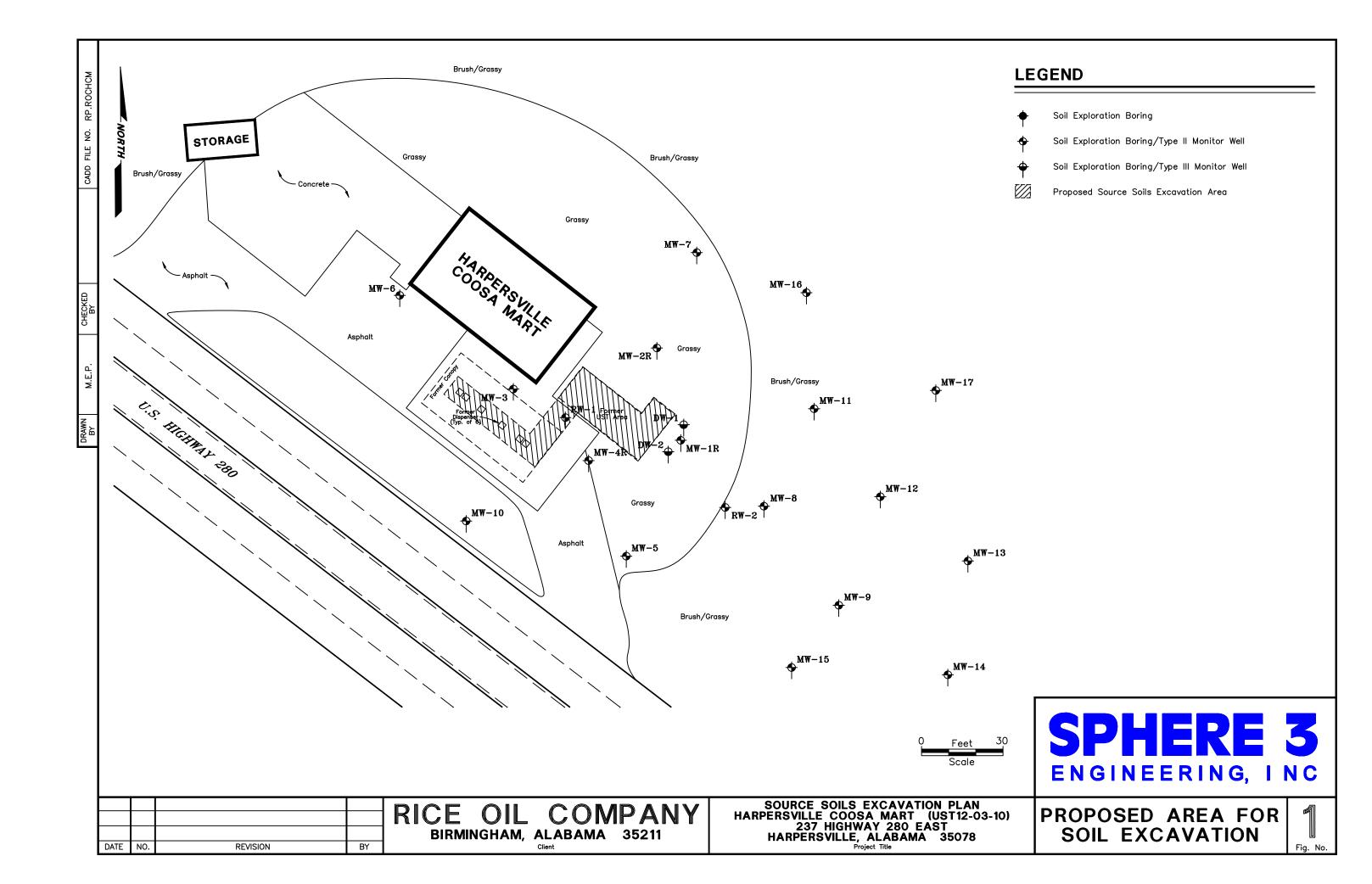
Sincerely,

SPHERE 3 ENGINEERING, INC

Jonathan A. Hunter, P.G.

cc: Rice Oil Company, Inc., c/o Mr. Rick Parrott







MW-5

CLIENT: Joe Smith Oil Company **LOCATION:** Joe's UST Facility

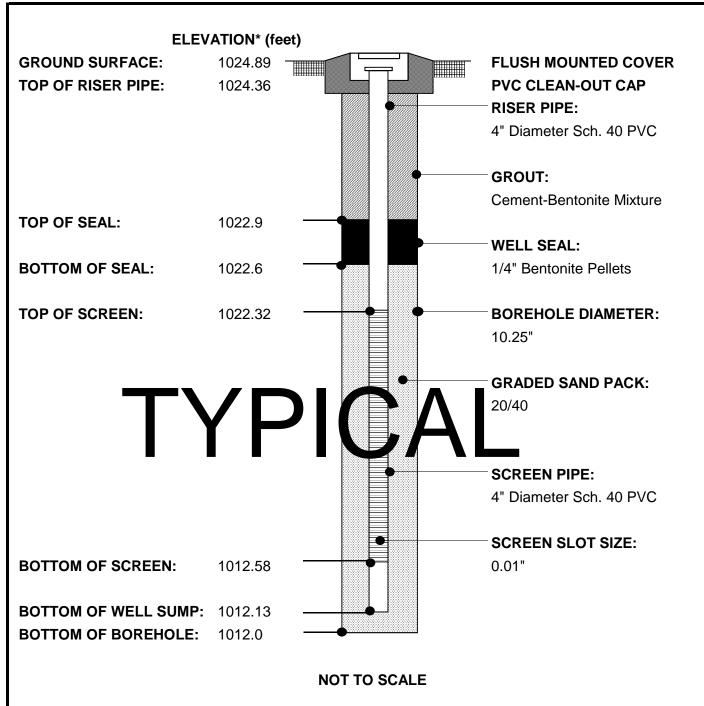
1234 Main Street Anytown, Alabama Project No.: ABC.XYZ.02

Top of Riser Elevation: 1024.36 feet

Ground Surface Elevation: 1024.89 feet

Screened Interval: 1022.32-1012.58 ft.

Date Installed: 01/04/21



REMARK: Monitor well constructed in soil boring B-5

*-Elevations are referenced to: mean sea level of 1025.00 feet.



CURTIS SERVICE, INC. 45180 US HWY 231 ONEONTA, AL 35121 US

Estimate



ADDRESS

curtis_service@hotmail.com

Sphere 3 Engineering, Inc. 3433 Siera Drive Attn: Greg Hogeland greg@sphere3.com Hoover, AL 35216

ESTIMATE #	DATE	
10113	03/04/2024	

P.O. NUMBER:

Coosa Mart.

2052128868

JOB LOCATION

2376 Hwy 280 E. Harpersville

DESCRIPTION	AMOUNT
 Excavate approx. 1350 sq ft area, 10 ft deep. Haul approx. 750 tons of contaminated dirt. Dirt will be hauled from Harpersville to Adamsville. If water table is bad, we will haul in 57 stone to bridge and stabilize, then put dirt on top. Dirt will be packed and topped with crushed stone. Clean up construction mess. Any more quantities that quoted will be cost plus 20%. 	0.00
Machinery	9,500.00
Labor	25,000.00
Hauling in dirt	15,000.00
Hauling of dirt to landfill	56,000.00
Hauling in stone	25,000.00

Any unforeseen issues that arise on the job, will result in a change order.

TOTAL

\$130,500.00

PAYMENT TERMS:

- 50% down payment
- 50% at the moment of finish the job.

Accepted By Accepted Date



Address: 25299 Canal Road

Suite A2/1

Orange Beach, AL 36561

Voice/SMS: (251) 403-2165

email: strewnstars@gmail.com

Proposal
Invoice

CUSTOMER

Greg Hoagland SPHERE 3 Engineering, Inc. 3433 Sierra Drive Hoover, AL 35216 **DOCUMENT**

EST35-2263

DATE

3/18/2024

PROJECT

Coosa Mart

LOCATION

Harpersville, AL

DESCRIPTION	AMOUNT
beglist	
Excavate an area approximately 1350 sq ft. to a maximum depth of 10 ft.	\$35,000.00
Load approximately 750 tons of excavated material into rolloff containers	
(supplied by others)	\$18,750.00
If water table is high excavation will be filled with crushed limestone	
and sealed with clean soil at surface.	\$20,000.00
New soil will be compacted and covered with crushed limestone	\$3,000.00
Clear area of loose debris upon completion	\$0.00
endlist	
notes	

TOTAL \$76,750.00

Notes: All overages will be billed at cost plus 20%.

Customer Acceptance	Date

Jon Hunter

From: Kim Kittle <Kkittle@bigskyenv.com>
Sent: Thursday, December 7, 2023 12:10 PM

To: Jon Hunter
Cc: 'Greg Hoagland'

Subject: Re: Request for quote: "Harpersville Coosa Mart", 237 Highway 280 East, Harpersville,

AL

Sorry for the delay response, Pricing is below:

\$150 Delivery $\times 75 = \$11,250$ \$1100 Final Pull - Liner included $\times 75 = \$82,500$ Disposal - \$27 per ton $\times 750 = \$20,250$ Total Estimate: \$114,000 + 10% markup = \$125,400.00

BIG SKY

Assume 500 cubic yards (750 tons). Assume the legal limit of 10 tons per roll off box = 75 boxes.

Kim Kittle

Email: KKittle@Bigskyenv.com

Office: 205-743-0080

From: Jon Hunter < jon@sphere3.com>

Sent: Wednesday, December 6, 2023 9:17 AM **To:** Kim Kittle < Kkittle@bigskyenv.com > **Cc:** 'Greg Hoagland' < greg@sphere3.com >

Subject: Request for quote: "Harpersville Coosa Mart", 237 Highway 280 East, Harpersville, AL

Hi Kim:

We're planning an excavation/haul/dispose project at this former gas station facility, and I'd like to get a quote for 20 yard roll off boxes (with liners)...deliver/pickup/disposal.

We anticipate generating approximately 500 cubic yards (assume 750 tons) of soil, potentially impacted with petroleum hydrocarbons.

If you have any questions or need additional information, please contact us.

Thanks for your help!

Jon

Jonathan A. Hunter, P.G. SPHERE 3 Engineering, Inc. 27250 Perdido Beach Boulevard Suite F2

Orange Beach, Alabama 36561

Email: jon@sphere3.com Voice/SMS: (205) 704-0074

Fax: (205) 403-3318



Jon Hunter

From: Lindsey, Steven <slindse1@wm.com>
Sent: Thursday, December 7, 2023 2:02 PM
To: Jon Hunter; Sorenson, Jessica
Cc: 'Greg Hoagland'; Lindsey, Steven

Greg Hoagiand ; Lindsey, Steven

Subject: RE: [EXTERNAL] RE: Request for quote: "Harpersville Coosa Mart", 237 Highway 280

East, Harpersville, AL

Jon,

Here is the rolloff quote.. plus disposal

Disposal- Star Landfill - Non Haz Soil $\$57/\text{Ton 4/ton Min Estimated All In may change at the time of service.} \times 750 tons = <math>\$42,750$ Good for 30 Days

Box Spotting: \$965/box Fuel Included $\times 75 = 72.375

- Includes one hour of unload time
- Delay/Demurrage rate of \$95/hr. to apply after one hour of unload time
- Fuel Surcharge currently 35% Included but subject to change
- Box Rental: \$20/day/box
- This can be disregarded if this is a live load project.

<u>Transportation to Star Ridge: \$1,130.00/load Fuel included</u> x 75 = \$84,750

- Includes one hour of load and one hour of unload time
- Delay/Demurrage rate of \$95/hr. to apply after one half hour (0.5) of load and one half hour (0.5) of unload
- Fuel Surcharge currently 35% Included but subject to change
- Assumes live load
- A two load per truck minimum to apply per call out.

Assume 500 cubic yards (750 tons). Assume the legal limit of 10 tons per roll off box = 75 boxes



Steve Lindsey / DGSA Special Waste & Hazardous Waste Industrial Account Executive Alabama slindse1@wm.com

Salem, Star Ridge, Three Corners and Emelle

Total Estimate: \$199,875 + 10% markup = \$219,862.50

Off: 334-745-0181 Salem Landfill

Cell: 334-740-0813 4210 Lee Road 183 Opelika, Al. 36804



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From: Jon Hunter <jon@sphere3.com>

Sent: Wednesday, December 6, 2023 9:10 AM **To:** Lindsey, Steven <slindse1@wm.com> **Cc:** 'Greg Hoagland' <greg@sphere3.com>

Subject: [EXTERNAL] RE: Request for quote: "Harpersville Coosa Mart", 237 Highway 280 East, Harpersville, AL

We'll certainly consider roll offs. Give us a quote for that.

Thanks again

Jonathan A. Hunter, P.G. SPHERE 3 Engineering, Inc. 27250 Perdido Beach Boulevard Suite F2

Orange Beach, Alabama 36561 Email: jon@sphere3.com Voice/SMS: (205) 704-0074

Fax: (205) 403-3318

From: Lindsey, Steven [mailto:slindse1@wm.com]

Sent: Tuesday, December 5, 2023 3:22 PM

To: Jon Hunter < jon@sphere3.com > Cc: Lindsey, Steven < slindse1@wm.com >

Subject: RE: Request for quote: "Harpersville Coosa Mart", 237 Highway 280 East, Harpersville, AL

Jon, every dump truck provider I have called has bowed out are you ok with trying rolloffs?



Steve Lindsey / DGSA Special Waste & Hazardous Waste Industrial Account Executive Alabama slindse1@wm.com

Salem, Star Ridge, Three Corners and Emelle

Off: 334-745-0181 Salem Landfill

Cell: 334-740-0813 4210 Lee Road 183 Opelika, Al. 36804



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From: Jon Hunter <jon@sphere3.com>
Sent: Monday, December 4, 2023 11:00 AM
To: Lindsey, Steven <slindse1@wm.com>
Cc: 'Greg Hoagland' <greg@sphere3.com>

Subject: RE: [EXTERNAL] Request for quote: "Harpersville Coosa Mart", 237 Highway 280 East, Harpersville, AL

Hard to answer that with any degree of certainty. We'll have to get the proposal and cost estimate to ADEM, then they'll have to approve it....and we'll then have the green light to get going.

However, let's assume that we'll be ready to go by mid February. I'm gonna guess 8 loads per day. So, we may be able to finish in 5 days.

(Greg Hoagland: if you have other thoughts about this, please chime in)

Jonathan A. Hunter, P.G. SPHERE 3 Engineering, Inc. 27250 Perdido Beach Boulevard Suite F2

Orange Beach, Alabama 36561

Email: jon@sphere3.com Voice/SMS: (205) 704-0074 Fax: (205) 403-3318



From: Lindsey, Steven [mailto:slindse1@wm.com]
Sent: Monday, December 4, 2023 10:52 AM

To: Jon Hunter < <u>jon@sphere3.com</u>> **Cc:** 'Greg Hoagland' < <u>greg@sphere3.com</u>>

Subject: RE: [EXTERNAL] Request for quote: "Harpersville Coosa Mart", 237 Highway 280 East, Harpersville, AL

Do you have a date of when you would want this run? And what time frame for it to be run? How many loads per day?

Steve Lindsey / DGSA Special Waste & Hazardous Waste Industrial Account Executive Alabama slindse1@wm.com

Salem, Star Ridge, Three Corners and Emelle

Off: 334-745-0181 Salem Landfill

Cell: 334-740-0813 4210 Lee Road 183 Opelika, Al. 36804



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- WM owned landfills, types of waste they accept, methods of management, hours of operation, maps/directions, brochures and much more!

From: Jon Hunter <<u>jon@sphere3.com</u>>
Sent: Monday, December 4, 2023 10:40 AM
To: Lindsey, Steven <<u>slindse1@wm.com</u>>
Cc: 'Greg Hoagland' <greg@sphere3.com>

Subject: [EXTERNAL] Request for quote: "Harpersville Coosa Mart", 237 Highway 280 East, Harpersville, AL

Hi Steve:

As we discussed on the phone this morning, we're planning an excavation/haul/dispose project at this former gas station facility.

We anticipate generating approximately 500 cubic yards (around 750 tons) of soil, potentially impacted with petroleum hydrocarbons.

We'd like to get a quote for the hauling (via dump trucks) and disposal of the soil. Once we receive the quote, we will be preparing a proposal and cost estimate to forward to ADEM, along with your quote. It'd be a big help if the quote is relatively clear and simple to decipher, so that we can put the correct numbers in our cost estimate.

If you have any questions or need additional information, please contact us.

Thanks for your help!

Jon

Jonathan A. Hunter, P.G. SPHERE 3 Engineering, Inc. 27250 Perdido Beach Boulevard Suite F2

Orange Beach, Alabama 36561 Email: jon@sphere3.com Voice/SMS: (205) 704-0074

Fax: (205) 403-3318



Recycling is a good thing. Please recycle any printed emails.

TECHNICAL DRILLING SERVICES, INC. QUOTE FORM

For

SPHERE 3 ENGINEERING, INC. HARPERSVILLE COOSA MART HARPERSVILLE, ALABAMA

Date: March 8, 2024

Description	Units	Estimated Quantity	Unit Cost	Total Cost
Mobilization/demobilization	LS	1	300.00	300.00
Mobilization/demobilization	Mile	220	3.93	864.60
Mobilization/demobilization	Mile	0	1.97	0.00
Per diem (3 man crew)	Day	1	255.00	255.00
GeoProbe or ATV rig if site conditions warrant	Day	0	250.00	0.00
Drill, sample & abandon a soil boring*	Foot	0	30.00	0.00
Shelby Tube sample	Each	0	58.00	0.00
MW/RW Tremie Grout Abandonment	Foot	20	18.00	360.00
Additional splitspoon sample for frequency > 5' intervals	Each	0	20.00	0.00
Drill, sample & install a 2" PVC Type II well in soil*	Foot	0	65.00	0.00
Drill, sample & install a 4" PVC Type II well in soil*	Foot	20	70.00	1400.00
Construct a concrete pad & install an 8" flush cover	Each	0	205.00	0.00
Construct a concrete pad & install an 12" flush cover	Each	1	242.00	242.00
55-Gallon drum	Each	0	75.00	0.00
Standby rate	Hour	0	250.00	0.00

TOTAL JOB ESTIMATE:

\$3,421.60

TOTAL MINIMUM JOB:

\$4,164.60

^{*}Price includes splitspoon samples taken at 5-foot intervals.



PO Box 1147 Foxworth, MS 39483

Cost Proposal

Date	Proposal #		
11/30/2023	17863		

Name / Address	Re:
Sphere 3 Engineering, Inc. 3433 Sierra Drive Hoover, AL 35216	Environmental Services Harpersville Coosa Mart 237 Hwy 280 East Harpersville, AL

Description	Unit	Qty	Rate	Total
Mobilize/Demobilize	lump sum	1	2,540.00	2,540.00T
Drill, Sample & Install (1) 4" PVC Monitor Wells	per foot	20	70.00	1,400.00T
12" Flush Mount Covers	per each	1	242.00	242.00T
Per-Diem	per man day	6	100.00	600.00T

Customer Acceptance of Cost Proposal

Authorized Signature Date

*Payment Terms NTE 30 days upon project completion.

Subtotal \$4,782.00 Tax (0.0%) \$0.00 **Total** \$4,782.00

^{*1.5%} Interest will be charged monthly to all overdue invoices.