



1459 Washington St.
Muscatine, IA 52761-5040
(563) 263-8933
Fax (563) 263-2127

Public Works

City Transit
263-8152

MEMORANDUM

Equipment Maintenance
Roadway Maintenance
Collection & Drainage
Building & Grounds
Engineering

To: Mayor and City Council Members

CC: Gregg Mandsager, City Administrator

FROM: Brian Stineman, Public Works Director

DATE: June 30, 2017

RE: Resolution Approving Contract for Landfill Cell 5 and Leachate Lagoon Construction.

INTRODUCTION:

The Muscatine County Landfill is close to using all available airspace in Cell #4. In order to provide future space for solid waste generated within the county the city must plan to construct the next cell. Barker Lemar Engineering Consultants is the City's consultant on the landfill and has been retained to design and help oversee construction of the next landfill cell and required leachate storage lagoon. This project is in the current budget as proposed.

BACKGROUND:

Two bids were received and opened on June 30, 2017. Bid tabulations have been attached for review. The low bidder was Rittmer Inc. with a total package bid of \$622,608.00

RECOMMENDATION/RATIONALE:

It is the recommendation of the Public Works Department that council approve the bid and sign the contract with Rittmer Inc. for the amount of \$622,608.00. There is \$550,000 budgeted in the Landfill Budget for this project. There is also \$200,000 in the remediation plan budget for the landfill which will cover the cost of the leachate lagoon construction.

BACKUP INFORMATION:

Bid Tabulation
Barker Lemar Recommendation of Award

RESOLUTION NO. _____

AWARD CONTRACT FOR

LANDFILL CELL 5 AND LEACHATE LAGOON CONSTRUCTION

It is resolved that the following bid is determined to be the lowest responsible bid for the Landfill Cell 5 and Leachate Lagoon Construction.

<u>NAME & ADDRESS CONTRACTOR</u>	<u>AMOUNT OF BID</u>
Rittmer, Inc. Dewitt, IA	\$622,608.00

It is further resolved that the Landfill Cell 5 and Leachate Lagoon Construction is awarded to the above named contractor for \$622,608.00, and the Mayor and City Clerk are authorized and directed to enter into a written contract with said contractor covering the furnishing of material for, and construction of the Landfill Cell 5 and Leachate Lagoon Construction, such contract not to be binding until approved by resolution of this Council.

It is further resolved that the amount of the contractor's bond is fixed at \$622,608.00, which is one hundred percent of the contract price.

PASSED, APPROVED, AND ADOPTED THIS 6TH DAY OF JULY, 2017.

Diana Broderson, Mayor

ATTEST:

Gregg Mandsager, City Administrator

LANDFILL - PHASE 5 CELL AND LEACHATE LAGOON

				Rittmer Inc.		Steger Construction	
		Quantity	Units	Unit Price	Extended Price	Unit Price	Extended Price
1	Mobilization and Misc.	1	LS	\$ 55,000.00	\$ 55,000.00	\$ 68,650.00	\$ 68,650.00
2	Topsoil and Vegetation Stripping	1	LS	\$ 18,000.00	\$ 18,000.00	\$ 28,971.00	\$ 28,971.00
3	Road (Gravel) Removal	1	LS	\$ 2,500.00	\$ 2,500.00	\$ 4,800.00	\$ 4,800.00
4	Remove Existing Liner/Leachate	1,212	SY	\$ 5.00	\$ 6,060.00	\$ 16.00	\$ 19,392.00
5	Remove/Plug/Move Existing Tile	1	LS	\$ 2,500.00	\$ 2,500.00	\$ 6,860.00	\$ 6,860.00
6	Unclassified Excavation, General Fill	8980	CY	\$ 4.00	\$ 35,920.00	\$ 3.55	\$ 31,879.00
7	Unclassified Excavation, General Fill	4683	CY	\$ 4.00	\$ 18,732.00	\$ 3.55	\$ 16,624.65
8	Unclassified Excavation, Compacted Fill	9366	CY	\$ 6.00	\$ 56,196.00	\$ 6.15	\$ 57,600.90
9	Settlement Plates	5	EA	\$ 600.00	\$ 3,000.00	\$ 620.00	\$ 3,100.00
10	Aggregate, New Haul Road	451	TON	\$ 22.00	\$ 9,922.00	\$ 13.75	\$ 6,201.25
11	Excavation, Solid Waste	500	CY	\$ 15.00	\$ 7,500.00	\$ 24.00	\$ 12,000.00
12	Geocomposite, Gas Relief System, Material and Shipping	3,531	SF	\$ 0.60	\$ 2,118.60	\$ 1.33	\$ 4,696.23
13	Geocomposite, Gas Relief System, Installation	3531	LS	\$ 1.00	\$ 3,531.00	\$ 0.22	\$ 776.82
14	Geocomposite Gas Relief System, Gas Vent & Condensate Drain Assembly	1	SF	\$ 5,000.00	\$ 5,000.00	\$ 3,150.00	\$ 3,150.00
15	Geogrid, Material & Shipping	33,783	SF	\$ 0.20	\$ 6,756.60	\$ 0.41	\$ 13,851.03
16	Geogrid, Installation	33,783	LF	\$ 0.55	\$ 18,580.65	\$ 0.22	\$ 7,432.26
17	FML, Uncover and Clean	742	LF	\$ 8.00	\$ 5,936.00	\$ 14.00	\$ 10,388.00
18	Anchor Trench, FML, No Rigid Protection	653	LF	\$ 8.00	\$ 5,224.00	\$ 7.00	\$ 4,571.00
19	Anchor Trench, FML, Install Rigid Protection	394	SF	\$ 10.00	\$ 3,940.00	\$ 11.70	\$ 4,609.80
20	FML, Material & Shipping	117,479	SF	\$ 0.50	\$ 58,739.50	\$ 0.51	\$ 59,914.29
21	FML, Installation	117,479	CY	\$ 0.35	\$ 41,117.65	\$ 0.32	\$ 37,593.28
22	Excavation of General Fill (Terraces)	591	CY	\$ 10.00	\$ 5,910.00	\$ 3.55	\$ 2,098.05
23	Excavation of General Fill (Letdown)	68	SF	\$ 20.00	\$ 1,360.00	\$ 5.15	\$ 350.20
24	Turf Reinforcement Mat, Material, Shipping, Installation	977	SF	\$ 5.862.00	\$ 5,862.00	\$ 6.78	\$ 6,624.06
25	Culvert 15" x 45' and FES (Lagoon)	46	LF	\$ 40.00	\$ 1,840.00	\$ 42.00	\$ 1,932.00
26	Unclassified Excavation, General Fill, 0.5' Grading Layer	218	CY	\$ 10.00	\$ 2,180.00	\$ 16.75	\$ 3,651.50

27	Unclassified Excavation, Compacted Fill, 2' Clay Liner	871	CY	\$ 6.00	\$ 5,226.00	\$ 18.75	\$ 16,331.25
28	Install New Fence - 8 foot fabric	501	LF	\$ 14.00	\$ 7,014.00	\$ 50.00	\$ 25,050.00
29	Pipe, 6-Inch x 10-inch Dual-Wall HDPE	327	LF	\$ 50.00	\$ 16,350.00	\$ 80.00	\$ 26,160.00
30	Pipe Tie-ins to Existing Tank and Load-out	2	EA	\$ 7,500.00	\$ 15,000.00	\$ 8,194.00	\$ 16,388.00
31	Valve, 6" Gate, with 2-piece Carbon Steel Stem	2	EA	\$ 8,000.00	\$ 16,000.00	\$ 11,319.00	\$ 22,638.00
32	Leachate Piezometer 4" HDPE DR-17	1	LS	\$ 2,000.00	\$ 2,000.00	\$ 3,000.00	\$ 3,000.00
33	12" Drainage Layer (LCS)	6513	TON	\$ 20.00	\$ 130,260.00	\$ 19.40	\$ 126,352.20
34	Silt Fence	2,000	LF	\$ 3.00	\$ 6,000.00	\$ 2.50	\$ 5,000.00
35	Seeding, Mulching and Fertilizing	1	LS	\$ 3,000.00	\$ 3,000.00	\$ 15,400.00	\$ 15,400.00
36	Excess Soil Stockpile	6952	CY	\$ 3.50	\$ 24,332.00	\$ 3.55	\$ 24,679.60
37	Project Survey and Construction Staking	1	LS	\$ 7,500.00	\$ 7,500.00	\$ 18,000.00	\$ 18,000.00
38	Closeout Procedures and Record Documents	1	LS	\$ 1,500.00	\$ 1,500.00	\$ 2,800.00	\$ 2,800.00
Total Construction Costs - Base Bid					\$ 617,608.00		\$ 719,516.37

Alternate Bid Items

1	Mobilization and Miscellaneous	1	LS	\$ 35,000.00	\$ 35,000.00	\$ 55,650.00	\$ 55,650.00
2	Topsoil and Vegetation Stripping	1	LS	\$ 9,000.00	\$ 9,000.00	\$ 9,600.00	\$ 9,600.00
6	Unclassified Excavation, General Fill	2,802	CY	\$ 5.00	\$ 14,010.00	\$ 8.00	\$ 22,416.00
10	Aggregate, New Haul Road	191	TON	\$ 25.00	\$ 4,775.00	\$ 17.25	\$ 3,294.75
18	Anchor Trench, FML, No Rigid Protection	396	LF	\$ 10.00	\$ 3,960.00	\$ 8.00	\$ 3,168.00
20	FML, Material & Shipping	8,930	SF	\$ 0.60	\$ 5,358.00	\$ 1.00	\$ 8,930.00
21	FML, Installation	8,930	SF	\$ 0.45	\$ 4,018.50	\$ 0.60	\$ 5,358.00
22	Excavation of General Fill (Terraces)	591	CY	\$ 10.00	\$ 5,910.00	\$ 6.00	\$ 3,546.00
23	Excavation of General Fill (Letdown)	68	CY	\$ 20.00	\$ 1,360.00	\$ 18.00	\$ 1,224.00
24	Turf Reinforcement Mat	977	SF	\$ 6.00	\$ 5,862.00	\$ 7.78	\$ 7,601.06
25	Culvert 15" x 45' and FES	46	LF	\$ 40.00	\$ 1,840.00	\$ 42.00	\$ 1,932.00
26	Unclassified Excavation, General Fill, 0.5' Grading Layer	218	CY	\$ 10.00	\$ 2,180.00	\$ 16.75	\$ 3,651.50
27	Unclassified Excavation, Compacted Fill, 2' Clay Liner	871	CY	\$ 6.00	\$ 5,226.00	\$ 18.75	\$ 16,331.25
28	Install New Fence - 8 foot fence	501	LF	\$ 14.00	\$ 7,014.00	\$ 50.00	\$ 25,050.00
29	Pipe, 6" x 10-inch Dual Wall	327	LF	\$ 50.00	\$ 16,350.00	\$ 80.00	\$ 26,160.00
30	Pipe Tie-ins to Existing Tank and Load Out	2	EA	\$ 7,500.00	\$ 15,000.00	\$ 8,194.00	\$ 16,388.00
31	Valve, 6" Gate with 2-Piece Carbon Steel	2	EA	\$ 12,000.00	\$ 24,000.00	\$ 11,319.00	\$ 22,638.00
34	Silt Fence	500	LF	\$ 3.00	\$ 1,500.00	\$ 3.00	\$ 1,500.00

35	Seeding, Mulching and Fertilizing	1	Acre	\$ 2,000.00	\$ 2,000.00	\$ 4,000.00	\$ 4,000.00
37	Project Survey and Construction Staking	1	LS	\$ 3,500.00	\$ 3,500.00	\$ 9,000.00	\$ 9,000.00
38	Closeout Procedures and Record Documents	1	LS	\$ 1,500.00	\$ 1,500.00	\$ 2,000.00	\$ 2,000.00
Total Construction Costs - Alternate A					\$ 169,363.50		\$ 249,438.56

Alternate B	- Suitable Clay Soil Located in Phase 5 Cell						
Alt-8	Deduct to Unclassified Excavation		CY		Deduct \$2.00		Deduct .50
Alt-27	Deduct to Unclassified Excavation		CY		Deduct \$2.00		Deduct 2.00

Alternate C	- 40' x 60' Steel Building Demolition and Disposal						
Alt - C-1	Demolition and Disposal of Concrete Slab		LS		\$ 5,000.00		3,000
Alt C-2	Demolition and Disposal of Steel Structure		LS		\$ 15,000.00		10,000

Total for Main Bid, Alternate A, Alternate C-1 \$ 791,971.50 \$ 971,954.93

BARKER LEMAR
ENGINEERING CONSULTANTS

July 6, 2017

Ms. Kristy Korpi, Solid Waste Manager
Muscatine County Recycling Center and Transfer Station
1000 South Houser Street
Muscatine, Iowa 52761

**RE: Recommendation of Award
Cell 5 and Leachate Lagoon Construction
Muscatine County Sanitary Landfill
BARKER LEMAR Project No. MCSWA.17007**

Dear Kristy:

BARKER LEMAR ENGINEERING CONSULTANTS (BARKER LEMAR) has reviewed the bid tabulation received from the City of Muscatine (City) on June 30, 2017 for the above-referenced project. According to the information provided by the City, two contractors submitted bid proposals which were reviewed and tabulated by City Staff. Upon review of the tabulation, Rittmer, Inc. was determined to be the lowest responsive bidder with a total base bid sum of \$617,608. A request for qualifications was sent to Rittmer, Inc. via email on July 3, 2017 and that response is included in Attachment A. Based on review of the bid proposals received, BARKER LEMAR recommends awarding the project to Rittmer, Inc. In addition to the base bid, it is recommended that Alternate Bid Item C-1 (Demolition of 40' x 60' concrete pad and push walls) be awarded for the project, bringing the total recommended bid award to \$622,608. For your reference, we have prepared a bid tabulation and included it in Attachment B.

If you have any questions or comments regarding this recommendation, please contact us at (515) 256-8814.

Sincerely,
BARKER LEMAR ENGINEERING CONSULTANTS



Dan Jensen, E.I.
Project Engineer



David G. Phillips, P.E.
Senior Design Engineer

Copies: Addressee
File
Electronic File

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ATTACHMENT A

Rittmer Inc. Qualifications

FAX COVER :

To : Dan Jensen

From : Jeff Rittmer ✓

SECTION 00 45 13 - BIDDER'S QUALIFICATIONS

All Bidders shall submit a full and complete written statement on this form sworn to before an officer authorized by law to administer oaths. No bid will be received from any person who has not submitted the statement in the manner and place stated in the Advertisement for Bid.

The OWNER will evaluate the statement and find the maker of the statement either qualified or unqualified. If not satisfied with the sufficiency of any answers contained in the statement, the bid may be rejected or disregarded.

Project Information

Project Name: Phase 5 Cell and Leachate Lagoon
Owners Name: Muscatine County Solid Waste Management Agency
Project Address: c/o Muscatine Recycling Center and Transfer Station
1000 Houser St. Muscatine, IA 52761

NOTE TO SPECIFIER: Add the Project Name, Owner Name, and Address.

Contractor Information

Name of Organization: Rittmer Inc.

Name of Individual: Jeff Rittmer

Title: President

Contractor's Address: 2464 330th ave

Telephone Number: 563-659-3386 Fax Number: 563-659-2900

Email: jrittmer@rittmerinc.com

If contractor is a Corporation:

Date and State of Organization: 1063

List of Executive Officers, Names and Titles: Jeff Rittmer

If contractor is a Partnership:

Date and State of Organization: _____

Names of Current and General Partners: _____

If contractor is a Joint Venture:

Date and State of Organization: _____

Name and Address and Form of Organization of Joint Venture Partners: _____

If contractor is a Sole Proprietorship:

Date and State of Organization: _____

Name and Address of Owner or Owners: _____

Is Contractor an affiliate or associate of any other entity, as the terms "affiliate" and "associate" are defined within Iowa Code Section 490.1110, subsection 3?

Yes _____ No _____

If yes, show names and addresses of affiliated and associated companies: _____

If contractor is a Limited Liability Company (LLC):

Date and State of Organization: _____

Name and Address of all Members and any Managing Members: _____

Experience, Performance and Capabilities

1. On Attachment A, or an equivalent attachment, provide details of related construction experience of the principal individuals of your organization that will be directly involved in construction activities for the Phase 5 Cell and Leachate Lagoon construction project. Include name, position, date started with your organization, experience in your organization, and previous experience.
2. On Attachment B, or an equivalent attachment, provide details of projects currently under construction by your organization. (If joint venture, list participant's projects separately.) Include name, location, description of project, owner, design engineer, contract price, percent completed, date of scheduled completion, reference/contact including address and phone numbers.
3. On Attachment C, or an equivalent attachment, list major related construction projects completed by your organization in the past five years. Include name, location, description of project, owner, design engineer, contract price, percent completed, date of scheduled completion, reference/contact including address and phone numbers.
4. Provide name of Surety Company, and agent's name, address and phone number. Moines Murphy
Jay Freimuth 3001 westown prkwy Des Moines Ia 500-247-7756
5. Have any demands been made against any bonding company or bank who furnished you a bond in the last three years. Yes _____ No _____ If yes, provide details on an attachment.
6. Has your organization ever defaulted on a contract? Yes _____ No X _____
If yes, provide details on an attachment.
7. Has the organization ever failed to complete any work awarded to you? Yes _____ No X _____
If yes, provide details on an attachment.
8. Has any corporate officer, partner, joint venture participant or proprietor ever failed to complete a construction contract awarded to him or her in their own name or when acting as a principal of another organization? Yes _____ No X _____
If yes, provide details on an attachment.
9. In the last five years, has your organization ever failed to substantially complete a project in a timely

- manner? Yes _____ No ☒ If yes, provide details on an attachment.
10. Does the organization have projects not listed on Attachment B that commenced within the past four years and have not reached final completion? Yes _____ No ☒
If yes, provide details on an attachment including Owner contact information.
11. State the general types of work performed by your company with your own work force.
Demolition, grading, landfill operations, and general contracting.

12. Describe your organization's permanent safety program, and provide name of individual responsible for safety procedures on this project.

OSHA compliant hand book

Jeffrey Rittmer

13. Provide the following information with respect to an accredited Financial Institution familiar with your organization.

Name of Institution: DeWitt Bank & Trust

Address: 815 6th ave Dewitt Ia 52742

Account Manager: Greg Gannon

Telephone Number: 563-659-3211

14. Indicate approximate total bonding capacity of your organization:

☐ \$500,000 - \$2,000,000
☒ \$2,000,000 - \$5,000,000
☐ \$5,000,000 - \$10,000,000

15. State subcontractors and major suppliers (greater than \$10,000) and the general work or materials/equipment they will supply for the project.

Wendling Quarries sand and aggregate

Schimberg Co. Valves, piping, and fittings

CQA solutions FML Liner

I hereby certify that the information submitted herewith, including any attachments is true to the best of my knowledge and belief.

Dewitt
Dated at 8 this 5 day of July, 2017.

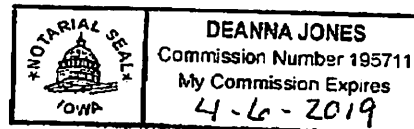
Name of Organization: Rittmer Inc.

By Connie Rittmer Title: Secretary

Subscribed and Sworn before me this 5 day of July, 2017

Notary Public: Deanna Jones

My Commission Expires: 4-6-2019



Seal

Attachment A - Related Construction Experience of the Principal Individuals

Name	Position	Date Started with Organization	Experience in Your Organization	Prior Positions and Experience
Jeff Rittner	President	1978	39 yrs	Operator Supervisor
Jeff Rittner	Vice President	3-14-2007	10 yrs	Operator Supervisor
Brian Frick	Forman	3-16-2011	6 yrs	Operator Labor Truck Driver

Attachment B - Projects Currently Under Construction

Name, Location and Description of Project	Owner's Name, Contact Person, Address and Phone Number	Design Engineer's Name, Contact Person, Address and Phone Number	Contract Price	Percent Complete and Date of Scheduled Completion
OLsons Sandport Stripping/Cleaning lagoon	Marc WOZ Marc Whitman 563-659-9181	NA	200,000	7-20-17 750%
Westside Trail DeWitt IA	City of DeWitt Matt Proctor 563-659-3211	IIW Eng. Geoff Blandin 563-556-2464	350,000	50% 50% 10-1-17
Maggies House DeWitt IA	Maggies House David Cadilac 715-479-1559	NA	100,000	7-15-17

Attachment C - Related Major Construction Projects Completed in Past 5 Years

Name, Location and Description of Project	Owner's Name, Contact Person, Address and Phone Number	Design Engineer's Name, Contact Person, Address and Phone Number	Contract Price	Date Completed
Behr Quarry Dewitt IA	WUI Marc Whitman 563-659-9181	NA	300,000	5-28-17
Crossroad logistic Rail Yard Grading	Mark Cross Camanche Ia 563-357-8760	NA	250,000	5-1-17
Guardian Glass Dewitt IA	Guardian Glass Alan Barnes 563-659-6000	NA	200,000	4-15-17
Shafter Quarry Camanche Ia	WUI Marc Whitman 563-659-9181	NA	250,000	3-1-17
Jordan Hill Subdivision Clinton Ia	Sean Lawrence Camanche Ia 563-593-0930	Hinkle Eng,	650,000	5-1-17

ATTACHMENT B

Bid Tabulation

BID TABULATION
MUSCATINE COUNTY SANITARY LANDFILL - CELL 5 AND LEACHATE LAGOON CONSTRUCTION
BLUE GRASS, IOWA

ENGINEER:
 BARKER LEMAR ENGINEERING CONSULTANTS
 1801 INDUSTRIAL CIRCLE
 WEST DES MOINES, IOWA 50265

PROJECT INFO:
 LETTING DATE: JUNE 30, 2017
 BL PROJECT NO.: MCSWA.17007

BASE BID:

ITEM NO.	ITEM DESCRIPTION	UNIT	QUANTITY	Rittmer, Inc		Steger Construction		Engineer's Opinion	
				UNIT PRICE	SUBTOTAL	UNIT PRICE	SUBTOTAL	UNIT PRICE	SUBTOTAL
1	Mobilization and Misc.	L.S.	1	\$55,000.00	\$55,000.00	\$68,650.00	\$68,650.00	\$55,000.00	\$55,000.00
2	Topsoil and Vegetation Stripping	L.S.	1	\$18,000.00	\$18,000.00	\$28,971.00	\$28,971.00	\$4,500.00	\$4,500.00
3	Road (Gravel) Removal	L.S.	1	\$2,500.00	\$2,500.00	\$4,800.00	\$4,800.00	\$15,000.00	\$15,000.00
4	Remove Existing Liner/Leachate	S.Y.	1,212	\$5.00	\$6,060.00	\$16.00	\$19,392.00	\$5.00	\$6,060.00
5	Remove/Plug/Move Existing Tile	L.S.	1	\$2,500.00	\$2,500.00	\$6,860.00	\$6,860.00	\$3,000.00	\$3,000.00
6	Unclassified Excavation, General Fill	C.Y.	8,980	\$4.00	\$35,920.00	\$3.55	\$31,879.00	\$3.00	\$26,940.00
7	Unclassified Excavation, General Fill	C.Y.	4,683	\$4.00	\$18,732.00	\$3.55	\$16,624.65	\$3.50	\$16,390.50
8	Unclassified Excavation, Compacted Fill	C.Y.	9,366	\$6.00	\$56,196.00	\$6.15	\$57,600.90	\$3.50	\$33,281.00
9	Settlement Plates	EA.	5	\$600.00	\$3,000.00	\$620.00	\$3,100.00	\$250.00	\$1,250.00
10	Aggregate, New Haul Road	TON	451	\$22.00	\$9,922.00	\$13.75	\$6,201.25	\$25.00	\$11,275.00
11	Excavation, Solid Waste	C.Y.	500	\$15.00	\$7,500.00	\$24.00	\$12,000.00	\$9.00	\$4,500.00
12	Geocomposite, Gas Relief System, Material and Shipping	S.F.	3,531	\$0.60	\$2,118.60	\$1.33	\$4,696.23	\$0.75	\$2,648.25
13	Geocomposite, Gas Relief System, Installation	S.F.	3,531	\$1.00	\$3,531.00	\$0.22	\$776.82	\$0.20	\$706.20
14	Geocomposite Gas Relief System, Gas Vent & Condensate Drain Assembly	L.S.	1	\$5,000.00	\$5,000.00	\$3,150.00	\$3,150.00	\$2,500.00	\$2,500.00
15	Geogrid, Material & Shipping	S.F.	33,783	\$0.20	\$6,756.60	\$0.41	\$13,851.03	\$0.45	\$15,202.35
16	Geogrid, Installation	L.F.	33,783	\$0.55	\$18,580.65	\$0.22	\$7,432.26	\$0.20	\$6,756.60
17	FML, Uncover and Clean	L.F.	742	\$8.00	\$5,936.00	\$14.00	\$10,388.00	\$8.50	\$6,307.00
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19	Anchor Trench, FML, Install Rigid Protection	S.F.	394	\$10.00	\$3,940.00	\$11.70	\$4,609.80	\$8.50	\$3,349.00
20	FML, Material & Shipping	S.F.	117,479	\$0.50	\$58,739.50	\$0.51	\$59,914.29	\$0.60	\$70,487.40
21	FML, Installation	C.Y.	117,479	\$0.35	\$41,117.65	\$0.32	\$37,593.28	\$0.25	\$29,369.75
22	Excavation of General Fill (Terraces)	C.Y.	591	\$10.00	\$5,910.00	\$3.55	\$2,088.05	\$5.00	\$2,955.00
23	Excavation of General Fill (Letdown)	S.F.	68	\$20.00	\$1,360.00	\$5.15	\$350.20	\$1.80	\$125.60
24	Turf Reinforcement Mat, Material, Shipping, Installation	S.F.	977	\$6.00	\$5,862.00	\$6.78	\$6,624.06	\$1.80	\$1,758.60
25	Culvert 15" x 45' and FES (Lagoon)	L.F.	46	\$40.00	\$1,840.00	\$42.00	\$1,932.00	\$30.00	\$1,380.00
26	Unclassified Excavation, General Fill, 0.5' Grading Layer	C.Y.	218	\$10.00	\$2,180.00	\$16.75	\$3,651.50	\$2.25	\$490.50
27	Unclassified Excavation, Compacted Fill, 2' Clay Liner	C.Y.	871	\$6.00	\$5,226.00	\$18.75	\$16,331.25	\$2.50	\$2,177.50
28	Install New Fence - 8 foot fabric	L.F.	501	\$14.00	\$7,014.00	\$50.00	\$25,050.00	\$30.00	\$15,030.00
29	Pipe, 6-inch x 10-inch Dual-Wall HDPE	L.F.	327	\$50.00	\$16,350.00	\$80.00	\$26,160.00	\$35.00	\$11,445.00
30	Pipe Tie-Ins to Existing Tank and Load-out	EA.	2	\$7,500.00	\$15,000.00	\$8,194.00	\$16,388.00	\$1,000.00	\$2,000.00
31	Valve, 6" Gate, with 2-piece Carbon Steel Stem	EA.	2	\$8,000.00	\$16,000.00	\$11,319.00	\$22,638.00	\$5,000.00	\$10,000.00
32	Leachate Piezometer 4" HDPE DR-17	L.S.	1	\$2,000.00	\$2,000.00	\$3,000.00	\$3,000.00	\$2,500.00	\$2,500.00
33	12" Drainage Layer (LCS)	TON	6,513	\$20.00	\$130,260.00	\$18.40	\$120,352.20	\$20.00	\$130,260.00
34	Silt Fence	L.F.	2,000	\$3.00	\$6,000.00	\$2.50	\$5,000.00	\$3.00	\$6,000.00
35	Seeding, Mulching and Fertilizing	L.S.	1	\$3,000.00	\$3,000.00	\$15,400.00	\$15,400.00	\$2,500.00	\$2,500.00
36	Excess Soil Stockpile	C.Y.	6,952	\$3.50	\$24,332.00	\$3.55	\$24,679.60	\$3.00	\$20,856.00
37	Project Survey and Construction Staking	L.S.	1	\$7,500.00	\$7,500.00	\$18,000.00	\$18,000.00	\$5,000.00	\$5,000.00
38	Closeout Procedures and Record Documents	L.S.	1	\$1,500.00	\$1,500.00	\$2,800.00	\$2,800.00	\$2,500.00	\$2,500.00
TOTAL BID					\$617,608.00		\$719,516.37		\$535,133.65

ALTERNATE A: LAGOON ONLY

ITEM NO.	ITEM DESCRIPTION	UNIT	QUANTITY	Rittmer, Inc		Steger Construction		Engineer's Opinion	
				UNIT PRICE	SUBTOTAL	UNIT PRICE	SUBTOTAL	UNIT PRICE	SUBTOTAL
1	Mobilization and Miscellaneous	L.S.	1	\$35,000.00	\$35,000.00	\$55,650.00	\$55,650.00	\$55,000.00	\$55,000.00
2	Topsoil and Vegetation Stripping	L.S.	1	\$9,000.00	\$9,000.00	\$9,600.00	\$9,600.00	\$4,500.00	\$4,500.00
6	Unclassified Excavation, General Fill	C.Y.	2,802	\$5.00	\$14,010.00	\$8.00	\$22,416.00	\$3.00	\$8,406.00
10	Aggregate, New Haul Road	TON	191	\$25.00	\$4,775.00	\$17.25	\$3,294.75	\$25.00	\$4,775.00
18	Anchor Trench, FML, No Rigid Protection	L.F.	396	\$10.00	\$3,960.00	\$8.00	\$3,168.00	\$6.00	\$2,376.00
20	FML, Material & Shipping	S.F.	8,930	\$0.60	\$5,358.00	\$1.00	\$8,930.00	\$0.60	\$5,358.00
21	FML, Installation	S.F.	8,930	\$0.45	\$4,018.50	\$0.60	\$5,358.00	\$0.25	\$2,232.50
22	Excavation of General Fill (Terraces)	C.Y.	591	\$10.00	\$5,910.00	\$6.00	\$3,546.00	\$5.00	\$2,955.00
23	Excavation of General Fill (Letdown)	C.Y.	68	\$20.00	\$1,360.00	\$18.00	\$1,224.00	\$5.00	\$340.00
24	Turf Reinforcement Mat	S.F.	977	\$6.00	\$5,862.00	\$7.78	\$7,601.06	\$1.80	\$1,758.60
25	Culvert 15" x 45' and FES	L.F.	46	\$40.00	\$1,840.00	\$42.00	\$1,932.00	\$30.00	\$1,380.00
26	Unclassified Excavation, General Fill, 0.5' Grading Layer	L.F.	218	\$10.00	\$2,180.00	\$16.75	\$3,651.50	\$2.25	\$490.50
27	Unclassified Excavation, Compacted Fill, 2' Clay Liner	C.Y.	871	\$6.00	\$5,226.00	\$18.75	\$16,331.25	\$2.50	\$2,177.50
28	Install New Fence - 8 foot fence	C.Y.	501	\$14.00	\$7,014.00	\$50.00	\$25,050.00	\$30.00	\$15,030.00
29	Pipe, 6" x 10-inch Dual Wall	L.F.	327	\$50.00	\$16,350.00	\$80.00	\$26,160.00	\$35.00	\$11,445.00
30	Pipe Tie-Ins to Existing Tank and Load Out	L.F.	2	\$7,500.00	\$15,000.00	\$8,194.00	\$16,388.00	\$1,000.00	\$2,000.00
31	Valve, 6" Gate with 2-Piece Carbon Steel	EA.	2	\$12,000.00	\$24,000.00	\$11,319.00	\$22,638.00	\$5,000.00	\$10,000.00
34	Silt Fence	EA.	500	\$3.00	\$1,500.00	\$3.00	\$1,500.00	\$3.00	\$1,500.00
35	Seeding, Mulching and Fertilizing	L.F.	1	\$2,000.00	\$2,000.00	\$4,000.00	\$4,000.00	\$2,500.00	\$2,500.00
37	Project Survey and Construction Staking	L.S.	1	\$3,500.00	\$3,500.00	\$9,000.00	\$9,000.00	\$2,500.00	\$2,500.00
38	Closeout Procedures and Record Documents	L.S.	1	\$1,500.00	\$1,500.00	\$2,000.00	\$2,000.00	\$2,500.00	\$2,500.00
TOTAL BID					\$169,363.50		\$249,438.56	\$0.00	\$139,224.10

ALTERNATE B: SUITABLE CLAY SOIL IN PHASE 5 CELL

ITEM NO.	ITEM DESCRIPTION	UNIT	QUANTITY	Rittmer, Inc		Steger Construction		Engineer's Opinion	
				UNIT PRICE	SUBTOTAL	UNIT PRICE	SUBTOTAL	UNIT PRICE	SUBTOTAL
ALT-8	Deduct to Unclassified Excavation	C.Y.		DEDUCT \$2.00	NA	DEDUCT \$0.50	NA		
ALT-27	Deduct to Unclassified Excavation	C.Y.		DEDUCT \$2.00	NA	DEDUCT \$2.00	NA		

ALTERNATE C: 40 X 60' BUILDING DEMOLITION AND DISPOSAL

ITEM NO.	ITEM DESCRIPTION	UNIT	QUANTITY	Rittmer, Inc		Steger Construction		Engineer's Opinion	
				UNIT PRICE	SUBTOTAL	UNIT PRICE	SUBTOTAL	UNIT PRICE	SUBTOTAL
ALT-C1	Demolition and Disposal of Concrete Slab	L.S.	1	\$3,000.00	\$3,000.00	\$3,000.00	\$3,000.00		
ALT-C2	Demolition and Disposal of Steel Structure	L.S.	1	\$15,000.00	\$15,000.00	\$10,000.00	\$10,000.00		