



79

Date October 23, 2023

PUBLIC HEARING, APPROVING PLANS, SPECIFICATIONS, FORM OF CONTRACT DOCUMENTS, AND ENGINEER'S ESTIMATE ON GLENDALE CEMETERY POND DREDGING IMPROVEMENTS; RECEIVE AND FILE BIDS; AND DESIGNATION OF LOWEST RESPONSIVE, RESPONSIBLE BIDDER AS RW EXCAVATING SOLUTIONS, LC, DAN E. WILSON, MANAGING MEMBER, \$562,785

WHEREAS, on September 11, 2023, under Roll Call No. 23-1226, plans, specifications, form of contract documents, and Engineer's estimate of construction cost were filed with the City Clerk, for the construction of the following improvement:

Glendale Cemetery Pond Dredging Improvements, Activity ID 112023011

The improvement includes excavation and grading, dewatering, compacted clay pond liner, water control structure, modification to outlet structure, new water quality pretreatment unit, new Portland Cement Concrete (PCC) sidewalk, limestone outcropping, pond habitat improvement, revetment, erosion controls, temporary site seeding and mulching, traffic control, and associated work including cleanup and restoration, all in accordance with the contract documents, including Plan File No. 655-172/193, located in Glendale Cemetery, 4909 University Ave, Des Moines, Iowa

WHEREAS, notice of the hearing on the plans, specifications, form of contract documents, and Engineer's estimate of construction cost was published as required by law.

WHEREAS, in accordance with said notice, those interested in said proposed plans, specifications, form of contract documents, and Engineer's estimate of construction cost both for and against, have been given opportunity to be heard with respect thereto and have presented their views to the City Council.

NOW, THEREFORE, BE IT RESOLVED BY THE CITY COUNCIL OF THE CITY OF DES MOINES, IOWA: That upon due consideration of the facts, and any and all statements of interested persons, any objections to the plans, specifications, form of contract documents, and Engineer's estimate of construction cost for said improvement are overruled and the hearing is closed and that said plans, specifications, form of contract documents, and Engineer's estimate of construction cost are hereby approved.

BE IT FURTHER RESOLVED: That sealed bids for said improvement were submitted by the following bidders:

- RW Excavating Solutions, LC, Prairie City, IA - Low Bid
- DSM Dirtworx, Pleasant Hill, IA
- Elder Corporation, Des Moines, IA
- On Track Construction, LLC, Nevada, IA
- S. M. Hentges & Sons Inc., Jordan, MN
- Wenthold Excavating LLC, Elkhart, IA
- C. J. Moyna & Sons, Inc., Elkader, IA

which were received and opened at a public meeting presided over by the Engineer in the City Council Chambers, 2nd Floor, City Hall, 400 Robert D. Ray Drive, Des Moines, Iowa at 11:00 a.m. on October 03, 2023. Said bids and the attached tabulation of bids for said improvement be and are hereby received and filed.



Roll Call Number

Agenda Item Number

79

Date October 23, 2023

BE IT FURTHER RESOLVED: That the Des Moines City Engineer, as the Engineer, has determined that the lowest responsive, responsible bid for the construction of said improvement was submitted by RW Excavating Solutions, LC, Dan E. Wilson, Managing Member, 13293 S. 88th Avenue W, Prairie City, IA, 50228 in the amount of \$562,785, and said bid be and the same is hereby accepted.

BE IT FURTHER RESOLVED: That the bid security of the unsuccessful bidders be and is hereby authorized and directed to be returned in accordance with the Instructions to Bidders.

BE IT FURTHER RESOLVED: That the Engineer is hereby directed to secure execution by the lowest responsible, responsive Bidder and its surety of the contract documents in the form heretofore approved by this Council; that the Engineer is directed to thereafter present said contract documents to this Council for approval and authorization to the Mayor to sign; and that no contract shall be deemed to exist between the City of Des Moines and said Bidder until said contract has been executed by the Bidder, and shall have been approved by this Council and executed by the Mayor and attested to by the City Clerk.

BE IT FURTHER RESOLVED: That the City Council hereby authorizes the necessary closure of all public grounds, streets, sidewalks, alleys, bridges, culverts, overpasses, underpasses, grade crossing separations and approaches, public ways, squares, and commons for the Project.

(Council Communication No. 23-462 attached)

Moved by _____ to adopt. Second by _____

FORM APPROVED:

FUNDS AVAILABLE:

s/Kathleen Vanderpool

s/Nickolas J. Schaul

Kathleen Vanderpool
Deputy City Attorney

Nickolas J. Schaul
Director of Finance

SLN Funding Source: 2023-24 CIP, Page 80, Urban Conservation Projects, PK167, \$312,785 in GO Bonds and the remaining \$250,000 in Iowa Department of Agriculture and Land Stewardship grant funds (IDALS)

COUNCIL ACTION	YEAS	NAYS	PASS	ABSENT
COWNIE				
BOESEN				
GATTO				
MANDELBAUM				
VOSS				
WESTERGAARD				
TOTAL				
MOTION CARRIED			APPROVED	
_____ Mayor				

CERTIFICATE

I, Laura Baumgartner, City Clerk of said City hereby certify that at a meeting of the City Council of said City of Des Moines, held on the above date, among other proceedings the above was adopted.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my seal the day and year first above written.

City Clerk

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BID DATE: 10-3-23

TABULATED BY: N. Smith
CHECKED BY: *[Signature]*

APPROVED BY: *[Signature: Phillip J. Wagen]*

CONTRACTOR'S BID TABULATION
PROJECT: GLENDALE CEMETERY POND DREDGING IMPROVEMENTS

RW Excavating Solutions, LC Prairie City, IA	Des Moines Dirt Worx, LLC Pleasant Hill, IA	Elder Corporation Des Moines, IA	On Track Construction, LLC Nevada, IA
BID SECURITY 10% Bid Bond	BID SECURITY 10% Bid Bond	BID SECURITY 10% Bid Bond	BID SECURITY 10% Bid Bond
BID PRICE	BID PRICE	BID PRICE	BID PRICE

ESTIMATE

ITEM	DESCRIPTION	QUANTITY	UNIT		UNIT		UNIT		UNIT		UNIT	
			PRICE	AMOUNT	PRICE	AMOUNT	PRICE	AMOUNT	PRICE	AMOUNT	PRICE	AMOUNT
0001	Clearing And Grubbing	0.5 ACRE	\$15,000.00	\$7,500.00	\$10,000.00	\$5,000.00	\$30,000.00	\$15,000.00	\$8,900.00	\$4,450.00	\$11,110.00	\$5,555.00
0002	Topsoil, On-Site	1000 CY	\$15.00	\$15,000.00	\$9.00	\$9,000.00	\$20.00	\$20,000.00	\$17.00	\$17,000.00	\$33.00	\$33,000.00
0003	Topsoil, Off-site	400 CY	\$50.00	\$20,000.00	\$20.00	\$8,000.00	\$26.00	\$10,400.00	\$15.00	\$6,000.00	\$82.00	\$32,800.00
0004	Earthwork and Excavation	2500 CY	\$15.00	\$37,500.00	\$5.00	\$12,500.00	\$34.00	\$85,000.00	\$6.50	\$16,250.00	\$17.00	\$42,500.00
0005	Earthwork and Excavation (Excess Material Haul Away)	8200 CY	\$25.00	\$205,000.00	\$20.00	\$164,000.00	\$18.00	\$147,600.00	\$36.00	\$295,200.00	\$30.00	\$246,000.00
0006	Compacted Clay Pond Liner	1900 CY	\$35.00	\$66,500.00	\$7.00	\$13,300.00	\$35.00	\$66,500.00	\$11.00	\$20,900.00	\$13.00	\$24,700.00
0007	Removal Of Known Pipe And Conduit, (VCP, 24")	15 LF	\$60.00	\$900.00	\$50.00	\$750.00	\$25.00	\$375.00	\$137.00	\$2,055.00	\$60.00	\$900.00
0008	Compaction Testing	1 LS	\$7,000.00	\$7,000.00	\$4,000.00	\$4,000.00	\$4,000.00	\$4,000.00	\$2,100.00	\$2,100.00	\$3,030.00	\$3,030.00
0009	Pond Liner Geotechnical Evaluation	1 LS	\$10,000.00	\$10,000.00	\$5,500.00	\$5,500.00	\$4,000.00	\$4,000.00	\$2,100.00	\$2,100.00	\$2,270.00	\$2,270.00
0010	Trench Compaction Testing	1 LS	\$3,000.00	\$3,000.00	\$3,000.00	\$3,000.00	\$2,000.00	\$2,000.00	\$2,100.00	\$2,100.00	\$755.00	\$755.00
0011	Storm Sewer, Trenched (8" PVC)	45 LF	\$100.00	\$4,500.00	\$80.00	\$3,600.00	\$100.00	\$4,500.00	\$113.50	\$5,107.50	\$82.00	\$3,690.00
0012	Perforated Riser	1 EACH	\$1,500.00	\$1,500.00	\$350.00	\$350.00	\$2,500.00	\$2,500.00	\$1,450.00	\$1,450.00	\$950.00	\$950.00
0013	Inline Water Level Control Structure	1 EACH	\$3,000.00	\$3,000.00	\$2,500.00	\$2,500.00	\$5,000.00	\$5,000.00	\$3,400.00	\$3,400.00	\$1,560.00	\$1,560.00
0014	Intake Adjustment, Major	1 EACH	\$15,000.00	\$15,000.00	\$1,300.00	\$1,300.00	\$1,200.00	\$1,200.00	\$12,500.00	\$12,500.00	\$8,220.00	\$8,220.00
0015	Connection To Existing Manhole	1 EACH	\$1,500.00	\$1,500.00	\$1,000.00	\$1,000.00	\$1,500.00	\$1,500.00	\$2,800.00	\$2,800.00	\$4,820.00	\$4,820.00
0016	Cleaning, Inspection and Testing of Pipes, Culverts and Structures	1 LS	\$2,000.00	\$2,000.00	\$3,500.00	\$3,500.00	\$5,500.00	\$5,500.00	\$11,500.00	\$11,500.00	\$5,585.00	\$5,585.00
0017	Special Subgrade Preparation For Shared Use Paths	1500 SY	\$4.00	\$6,000.00	\$6.00	\$9,000.00	\$3.00	\$4,500.00	\$5.00	\$7,500.00	\$9.00	\$13,500.00
0018	Sidewalk, PCC (PCC, 6" Non-reinforced)	1000 SY	\$80.00	\$80,000.00	\$59.00	\$59,000.00	\$67.00	\$67,000.00	\$53.00	\$53,000.00	\$57.00	\$57,000.00
0019	Detectable Warning	32 SF	\$80.00	\$2,560.00	\$55.00	\$1,760.00	\$50.00	\$1,600.00	\$53.00	\$1,696.00	\$50.00	\$1,600.00
0020	Temporary Traffic Control	1 LS	\$3,000.00	\$3,000.00	\$13,000.00	\$13,000.00	\$5,500.00	\$5,500.00	\$5,300.00	\$5,300.00	\$3,850.00	\$3,850.00
0021	Seedbed Preparation Conventional Seeding; Seeding, Fertilizing And Mulching	2.5 ACRE	\$500.00	\$1,250.00	\$1,200.00	\$3,000.00	\$1,000.00	\$2,500.00	\$840.00	\$2,100.00	\$404.00	\$1,010.00
0022	(Temporary Seed Mix) Hydraulic Seeding; Seeding, Fertilizing And Mulching	2.5 ACRE	\$6,000.00	\$15,000.00	\$4,000.00	\$10,000.00	\$900.00	\$2,250.00	\$1,100.00	\$2,750.00	\$1,010.00	\$2,525.00
0023	(Temporary Seed Mix)	2.5 ACRE	\$6,000.00	\$15,000.00	\$5,500.00	\$13,750.00	\$2,100.00	\$5,250.00	\$3,200.00	\$8,000.00	\$3,030.00	\$7,575.00
0024	Stormwater Pollution Prevention	1 LS	\$8,000.00	\$8,000.00	\$5,000.00	\$5,000.00	\$5,950.00	\$5,950.00	\$5,400.00	\$5,400.00	\$5,151.00	\$5,151.00
0025	Filter Socks (12")	200 LF	\$4.00	\$800.00	\$4.00	\$800.00	\$1.70	\$340.00	\$3.40	\$680.00	\$4.00	\$800.00
0026	Filter Socks, Removal	200 LF	\$0.50	\$100.00	\$1.00	\$200.00	\$0.50	\$100.00	\$0.25	\$50.00	\$2.00	\$400.00
0027	Temporary RECP	100 SY	\$8.00	\$800.00	\$10.00	\$1,000.00	\$2.70	\$270.00	\$7.10	\$710.00	\$15.00	\$1,500.00
0028	Wattles (Straw, 12")	200 LF	\$3.00	\$600.00	\$4.00	\$800.00	\$2.00	\$400.00	\$3.40	\$680.00	\$4.00	\$800.00
0029	Wattles, Removal	200 LF	\$0.50	\$100.00	\$1.00	\$200.00	\$0.50	\$100.00	\$0.55	\$110.00	\$2.00	\$400.00
0030	Rip Rap, (Class E Revetment)	150 TON	\$70.00	\$10,500.00	\$70.00	\$10,500.00	\$65.00	\$9,750.00	\$109.00	\$16,350.00	\$108.00	\$16,200.00
0031	Silt Fence Or Silt Fence Ditch Check	450 LF	\$4.00	\$1,800.00	\$3.00	\$1,350.00	\$2.00	\$900.00	\$2.10	\$945.00	\$4.00	\$1,800.00
0032	Silt Fence Or Silt Fence Ditch Check, Removal Of Device	450 LF	\$0.50	\$225.00	\$1.00	\$450.00	\$1.00	\$450.00	\$2.10	\$945.00	\$2.00	\$900.00
0033	Stabilized Construction Entrance (Install and Maintain)	133 SY	\$25.00	\$3,325.00	\$15.00	\$1,995.00	\$50.00	\$6,650.00	\$125.00	\$16,625.00	\$51.00	\$6,783.00
0034	Stabilized Construction Entrance (Removal)	133 SY	\$5.00	\$665.00	\$5.00	\$665.00	\$5.00	\$665.00	\$16.00	\$2,128.00	\$27.00	\$3,591.00
0035	Erosion Control Mulching, Conventional	2.5 ACRE	\$2,000.00	\$5,000.00	\$2,000.00	\$5,000.00	\$900.00	\$2,250.00	\$1,000.00	\$2,500.00	\$707.00	\$1,767.50
0036	Erosion Control Mulching, Hydromulching	2.5 ACRE	\$2,000.00	\$5,000.00	\$4,000.00	\$10,000.00	\$2,100.00	\$5,250.00	\$3,050.00	\$7,625.00	\$4,545.00	\$11,362.50
0037	Inlet Protection Device (Drop-In)	1 EACH	\$1,000.00	\$1,000.00	\$200.00	\$200.00	\$200.00	\$200.00	\$240.00	\$240.00	\$255.00	\$255.00
0038	Construction Survey	1 LS	\$10,000.00	\$10,000.00	\$14,000.00	\$14,000.00	\$15,000.00	\$15,000.00	\$11,000.00	\$11,000.00	\$14,140.00	\$14,140.00
0039	Mobilization	1 LS	\$68,700.00	\$68,700.00	\$50,000.00	\$50,000.00	\$19,998.66	\$19,998.66	\$48,000.00	\$48,000.00	\$29,000.00	\$29,000.00

ITEM	DESCRIPTION	QUANTITY	UNIT		UNIT		UNIT		UNIT		UNIT		
			PRICE	AMOUNT	PRICE	AMOUNT	PRICE	AMOUNT	PRICE	AMOUNT	PRICE	AMOUNT	
0040	Concrete Washout (Roll-off Container)	1	LS	\$2,000.00	\$2,000.00	\$1,000.00	\$1,000.00	\$900.00	\$900.00	\$1,600.00	\$1,600.00	\$1,414.00	\$1,414.00
0041	Water Quality Pretreatment Unit	1	EACH	\$66,000.00	\$66,000.00	\$39,000.00	\$39,000.00	\$42,000.00	\$42,000.00	\$73,500.00	\$73,500.00	\$46,946.00	\$46,946.00
0042	Tree Trunk Protection	10	EACH	\$400.00	\$4,000.00	\$200.00	\$2,000.00	\$400.00	\$4,000.00	\$390.00	\$3,900.00	\$404.00	\$4,040.00
0043	Tree Protection Fence	2600	LF	\$4.00	\$10,400.00	\$3.00	\$7,800.00	\$6.00	\$15,600.00	\$4.00	\$10,400.00	\$4.00	\$10,400.00
0044	Dewatering	1	LS	\$35,000.00	\$35,000.00	\$20,000.00	\$20,000.00	\$20,000.00	\$20,000.00	\$24,000.00	\$24,000.00	\$49,252.00	\$49,252.00
0045	Limestone Outcropping	22	TON	\$3,500.00	\$77,000.00	\$1,482.50	\$32,615.00	\$1,420.00	\$31,240.00	\$1,500.00	\$33,000.00	\$1,900.00	\$41,800.00
0046	Granular Backfill Material	15	CY	\$60.00	\$900.00	\$70.00	\$1,050.00	\$110.00	\$1,650.00	\$116.00	\$1,740.00	\$161.00	\$2,415.00
0047	Subsurface Habitat Improvements - Brush Piles	4	EACH	\$1,500.00	\$6,000.00	\$500.00	\$2,000.00	\$2,500.00	\$10,000.00	\$1,200.00	\$4,800.00	\$1,090.00	\$4,360.00
0048	Subsurface Habitat Improvements - Rock Piles	4	EACH	\$1,500.00	\$6,000.00	\$500.00	\$2,000.00	\$1,700.00	\$6,800.00	\$1,700.00	\$6,800.00	\$1,485.00	\$5,940.00
	Remove and Replace 3" Conduit (for Fountain Power Supply)	50	LF	\$60.00	\$3,000.00	\$80.00	\$4,000.00	\$40.00	\$2,000.00	\$87.00	\$4,350.00	\$55.00	\$2,750.00
0050	Traffic Signs (ADA Parking)	1	EACH	\$135.00	\$135.00	\$850.00	\$850.00	\$300.00	\$300.00	\$210.00	\$210.00	\$350.00	\$350.00
0051	Round Galvanized Steel Posts (2")	12	LF	\$20.00	\$240.00	\$125.00	\$1,500.00	\$19.00	\$228.00	\$26.00	\$312.00	\$68.00	\$816.00
TOTAL CONSTRUCTION COST					\$850,000.00		\$562,785.00		\$666,666.66		\$763,858.50		\$768,728.00
PERCENT OF ENGINEER'S ESTIMATE							-33.79%		-21.57%		-10.13%		-9.56%
							Low						

BID DATE: 10-3-23

TABULATED BY: N. Smith APPROVED BY *Phillip J. Wagen*
CHECKED BY: *Frank*

S.M. Hentges & Sons, Inc. Jordan, MN	Wenthold Excavating, LLC Elkhart, IA	CJ Moyna & Sons, LLC Elkader, IA
BID SECURITY 10% Bid Bond	BID SECURITY 10% Bid Bond	BID SECURITY 10% Bid Bond
BID PRICE	BID PRICE	BID PRICE

CONTRACTOR'S BID TABULATION
PROJECT: GLENDALE CEMETERY POND DREDGING IMPROVEMENTS

-----ESTIMATE-----

ITEM	DESCRIPTION	QUANTITY	UNIT		UNIT		UNIT		UNIT	
			PRICE	AMOUNT	PRICE	AMOUNT	PRICE	AMOUNT	PRICE	AMOUNT
0001	Clearing And Grubbing	0.5 ACRE	\$15,000.00	\$7,500.00	\$100,000.00	\$50,000.00	\$12,000.00	\$6,000.00	\$15,000.00	\$7,500.00
0002	Topsoil, On-Site	1000 CY	\$15.00	\$15,000.00	\$25.00	\$25,000.00	\$18.00	\$18,000.00	\$30.00	\$30,000.00
0003	Topsoil, Off-site	400 CY	\$50.00	\$20,000.00	\$40.00	\$16,000.00	\$45.00	\$18,000.00	\$96.00	\$38,400.00
0004	Earthwork and Excavation	2500 CY	\$15.00	\$37,500.00	\$5.50	\$13,750.00	\$14.00	\$35,000.00	\$14.00	\$35,000.00
0005	Earthwork and Excavation (Excess Material Haul Away)	8200 CY	\$25.00	\$205,000.00	\$25.00	\$205,000.00	\$37.00	\$303,400.00	\$38.00	\$311,600.00
0006	Compacted Clay Pond Liner	1900 CY	\$35.00	\$66,500.00	\$10.00	\$19,000.00	\$15.00	\$28,500.00	\$46.00	\$87,400.00
0007	Removal Of Known Pipe And Conduit, (VCP, 24")	15 LF	\$60.00	\$900.00	\$250.00	\$3,750.00	\$50.00	\$750.00	\$40.00	\$600.00
0008	Compaction Testing	1 LS	\$7,000.00	\$7,000.00	\$1,000.00	\$1,000.00	\$3,500.00	\$3,500.00	\$4,500.00	\$4,500.00
0009	Pond Liner Geotechnical Evaluation	1 LS	\$10,000.00	\$10,000.00	\$1,000.00	\$1,000.00	\$5,000.00	\$5,000.00	\$4,000.00	\$4,000.00
0010	Trench Compaction Testing	1 LS	\$3,000.00	\$3,000.00	\$1,000.00	\$1,000.00	\$3,500.00	\$3,500.00	\$2,000.00	\$2,000.00
0011	Storm Sewer, Trenched (8" PVC)	45 LF	\$100.00	\$4,500.00	\$100.00	\$4,500.00	\$325.00	\$14,625.00	\$50.00	\$2,250.00
0012	Perforated Riser	1 EACH	\$1,500.00	\$1,500.00	\$5,000.00	\$5,000.00	\$2,500.00	\$2,500.00	\$700.00	\$700.00
0013	Inline Water Level Control Structure	1 EACH	\$3,000.00	\$3,000.00	\$5,000.00	\$5,000.00	\$8,000.00	\$8,000.00	\$8,200.00	\$8,200.00
0014	Intake Adjustment, Major	1 EACH	\$15,000.00	\$15,000.00	\$10,000.00	\$10,000.00	\$15,000.00	\$15,000.00	\$7,500.00	\$7,500.00
0015	Connection To Existing Manhole	1 EACH	\$1,500.00	\$1,500.00	\$5,000.00	\$5,000.00	\$3,500.00	\$3,500.00	\$4,000.00	\$4,000.00
0016	Cleaning, Inspection and Testing of Pipes, Culverts and Structures	1 LS	\$2,000.00	\$2,000.00	\$20,000.00	\$20,000.00	\$15,000.00	\$15,000.00	\$10,000.00	\$10,000.00
0017	Special Subgrade Preparation For Shared Use Paths	1500 SY	\$4.00	\$6,000.00	\$10.00	\$15,000.00	\$6.00	\$9,000.00	\$10.00	\$15,000.00
0018	Sidewalk, PCC (PCC, 6" Non-reinforced)	1000 SY	\$80.00	\$80,000.00	\$58.00	\$58,000.00	\$62.00	\$62,000.00	\$58.00	\$58,000.00
0019	Detectable Warning	32 SF	\$80.00	\$2,560.00	\$55.00	\$1,760.00	\$55.00	\$1,760.00	\$60.00	\$1,920.00
0020	Temporary Traffic Control	1 LS	\$3,000.00	\$3,000.00	\$20,000.00	\$20,000.00	\$16,000.00	\$16,000.00	\$25,000.00	\$25,000.00
0021	Seedbed Preparation	2.5 ACRE	\$500.00	\$1,250.00	\$415.00	\$1,037.50	\$440.00	\$1,100.00	\$1,000.00	\$2,500.00
0022	Conventional Seeding; Seeding, Fertilizing And Mulching (Temporary Seed Mix)	2.5 ACRE	\$6,000.00	\$15,000.00	\$1,050.00	\$2,625.00	\$1,100.00	\$2,750.00	\$1,000.00	\$2,500.00
0023	Hydraulic Seeding; Seeding, Fertilizing And Mulching (Temporary Seed Mix)	2.5 ACRE	\$6,000.00	\$15,000.00	\$3,100.00	\$7,750.00	\$3,300.00	\$8,250.00	\$2,400.00	\$6,000.00
0024	Stormwater Pollution Prevention	1 LS	\$8,000.00	\$8,000.00	\$20,000.00	\$20,000.00	\$5,610.00	\$5,610.00	\$5,000.00	\$5,000.00
0025	Filter Socks (12")	200 LF	\$4.00	\$800.00	\$4.10	\$820.00	\$4.40	\$880.00	\$3.00	\$600.00
0026	Filter Socks, Removal	200 LF	\$0.50	\$100.00	\$2.10	\$420.00	\$2.20	\$440.00	\$1.00	\$200.00
0027	Temporary RECP	100 SY	\$8.00	\$800.00	\$15.00	\$1,500.00	\$16.50	\$1,650.00	\$5.00	\$500.00
0028	Wattles (Straw, 12")	200 LF	\$3.00	\$600.00	\$4.00	\$800.00	\$4.40	\$880.00	\$3.00	\$600.00
0029	Wattles, Removal	200 LF	\$0.50	\$100.00	\$2.00	\$400.00	\$2.20	\$440.00	\$1.00	\$200.00
0030	Rip Rap, (Class E Revetment)	150 TON	\$70.00	\$10,500.00	\$100.00	\$15,000.00	\$110.00	\$16,500.00	\$90.00	\$13,500.00
0031	Silt Fence Or Silt Fence Ditch Check	450 LF	\$4.00	\$1,800.00	\$4.50	\$2,025.00	\$4.40	\$1,980.00	\$2.50	\$1,125.00
0032	Silt Fence Or Silt Fence Ditch Check, Removal Of Device	450 LF	\$0.50	\$225.00	\$1.00	\$450.00	\$2.20	\$990.00	\$0.50	\$225.00
0033	Stabilized Construction Entrance (Install and Maintain)	133 SY	\$25.00	\$3,325.00	\$50.00	\$6,650.00	\$45.00	\$5,985.00	\$36.00	\$4,788.00
0034	Stabilized Construction Entrance (Removal)	133 SY	\$5.00	\$665.00	\$5.00	\$665.00	\$10.00	\$1,330.00	\$16.00	\$2,128.00
0035	Erosion Control Mulching, Conventional	2.5 ACRE	\$2,000.00	\$5,000.00	\$725.00	\$1,812.50	\$770.00	\$1,925.00	\$750.00	\$1,875.00
0036	Erosion Control Mulching, Hydromulching	2.5 ACRE	\$2,000.00	\$5,000.00	\$4,650.00	\$11,625.00	\$4,950.00	\$12,375.00	\$1,800.00	\$4,500.00
0037	Inlet Protection Device (Drop-In)	1 EACH	\$1,000.00	\$1,000.00	\$250.00	\$250.00	\$275.00	\$275.00	\$300.00	\$300.00
0038	Construction Survey	1 LS	\$10,000.00	\$10,000.00	\$50,000.00	\$50,000.00	\$15,400.00	\$15,400.00	\$25,000.00	\$25,000.00
0039	Mobilization	1 LS	\$68,700.00	\$68,700.00	\$40,695.00	\$40,695.00	\$35,000.00	\$35,000.00	\$180,000.00	\$180,000.00

<u>ITEM</u>	<u>DESCRIPTION</u>	<u>QUANTITY</u>	<u>UNIT</u>		<u>UNIT</u>		<u>UNIT</u>		<u>UNIT</u>		
			<u>PRICE</u>	<u>AMOUNT</u>	<u>PRICE</u>	<u>AMOUNT</u>	<u>PRICE</u>	<u>AMOUNT</u>	<u>PRICE</u>	<u>AMOUNT</u>	
0040	Concrete Washout (Roll-off Container)	1	LS	\$2,000.00	\$2,000.00	\$5,000.00	\$5,000.00	\$1,500.00	\$1,500.00	\$12,000.00	\$12,000.00
0041	Water Quality Pretreatment Unit	1	EACH	\$66,000.00	\$66,000.00	\$50,000.00	\$50,000.00	\$100,000.00	\$100,000.00	\$56,000.00	\$56,000.00
0042	Tree Trunk Protection	10	EACH	\$400.00	\$4,000.00	\$415.00	\$4,150.00	\$440.00	\$4,400.00	\$500.00	\$5,000.00
0043	Tree Protection Fence	2600	LF	\$4.00	\$10,400.00	\$4.00	\$10,400.00	\$4.40	\$11,440.00	\$5.00	\$13,000.00
0044	Dewatering	1	LS	\$35,000.00	\$35,000.00	\$100,000.00	\$100,000.00	\$75,000.00	\$75,000.00	\$200,000.00	\$200,000.00
0045	Limestone Outcropping	22	TON	\$3,500.00	\$77,000.00	\$2,050.00	\$45,100.00	\$1,600.00	\$35,200.00	\$1,500.00	\$33,000.00
0046	Granular Backfill Material	15	CY	\$60.00	\$900.00	\$255.00	\$3,825.00	\$121.00	\$1,815.00	\$120.00	\$1,800.00
0047	Subsurface Habitat Improvements - Brush Piles	4	EACH	\$1,500.00	\$6,000.00	\$2,000.00	\$8,000.00	\$1,500.00	\$6,000.00	\$5,500.00	\$22,000.00
0048	Subsurface Habitat Improvements - Rock Piles	4	EACH	\$1,500.00	\$6,000.00	\$1,750.00	\$7,000.00	\$1,500.00	\$6,000.00	\$6,000.00	\$24,000.00
	Remove and Replace 3" Conduit (for Fountain Power Supply)	50	LF	\$60.00	\$3,000.00	\$100.00	\$5,000.00	\$100.00	\$5,000.00	\$120.00	\$6,000.00
0050	Traffic Signs (ADA Parking)	1	EACH	\$135.00	\$135.00	\$5,000.00	\$5,000.00	\$900.00	\$900.00	\$1,500.00	\$1,500.00
0051	Round Galvanized Steel Posts (2")	12	LF	\$20.00	\$240.00	\$20.00	\$240.00	\$110.00	\$1,320.00	\$120.00	\$1,440.00
	TOTAL CONSTRUCTION COST				\$850,000.00		\$888,000.00		\$931,370.00		\$1,280,851.00
	PERCENT OF ENGINEER'S ESTIMATE						+4.47%		+9.57%		+50.69%