



Date June 17, 2024

**PUBLIC HEARING, APPROVING PLANS, SPECIFICATIONS,
FORM OF CONTRACT DOCUMENTS, AND ENGINEER'S ESTIMATE ON
GRAY'S LAKE MARINA PARKING LOT REPAIRS;
RECEIVE AND FILE BIDS; AND DESIGNATION OF LOWEST RESPONSIVE, RESPONSIBLE
BIDDER AS ABSOLUTE CONCRETE CONSTRUCTION, INC. D/B/A
ABSOLUTE GROUP, KRAIG KRIEGEL, CEO, \$214,300.35**

WHEREAS, on May 20, 2024, under Roll Call No. 24-0721, 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:

Gray's Lake Marina Parking Lot Repairs, Activity ID 112024009

The improvement includes Portland Cement Concrete (PCC) Pavement, pavement markings, landscaping, erosion control, and other incidental items, all in accordance with the contract documents including Plan File No. 663-114/134, located at the southwest side of Gray's Lake Park, 2101 Fleur Drive, 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:

- Absolute Concrete Construction, Inc. d/b/a Absolute Group, Granger, IA - Low Bid
- Caliber Concrete, LLC, Adair, IA
- All Star Concrete, L.L.C., Johnston, IA
- Berkey Homebuilders, Inc. dba Concrete Professionals, Altoona, IA
- Concrete Technologies, Inc., Grimes, IA
- TK Concrete, Inc., Pella, IA
- Alliance Construction Group, LLC, Urbandale, IA
- Manatts, Inc., Johnston, IA
- Jasper Construction Services, Inc., Newton, IA
- Con-Struct Inc., Ames, IA
- Reilly Construction Co., Inc., Ossian, IA
- Jordison Construction, Inc., Urbandale, IA



Roll Call Number

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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 June 04, 2024. Said bids and the attached tabulation of bids for said improvement be and are hereby received and filed.

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 Absolute Concrete Construction, Inc. d/b/a Absolute Group, Kraig Kriegel, CEO, 1800 Burr Oak Blvd, P.O. Box 430, Granger, IA, 50109 in the amount of \$214,300.35, 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. 24-262 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



Funding Source: 2024-25 CIP, Page 48, Gray's Lake Park Improvements, PK140, G.O. Bonds



Roll Call Number

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Date June 17, 2024

COUNCIL ACTION	YEAS	NAYS	PASS	ABSENT
BOESEN				
COLEMAN				
GATTO				
MANDELBAUM				
SIMONSON				
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: 6/4/24

TABULATED BY: N. Smith APPROVED BY: Phillip J. Wagen
CHECKED BY: [Signature]

CONTRACTOR'S BID TABULATION
PROJECT: GRAY'S LAKE MARINA PARKING LOT REPAIRS

ESTIMATE				Absolute Concrete Construction, Inc. dba Asbolute Group Granger, IA		Caliber Concrete, LLC Adair, IA		All Star Concrete, LLC Johnston, IA		Berkey Homebuilders, Inc. dba Concrete Professionals Altoona, 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		
ITEM	DESCRIPTION	QUANTITY	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT
1	TOPSOIL, OFFSITE	53 CY	\$50.00	\$2,650.00	\$73.00	\$3,869.00	\$35.00	\$1,855.00	\$75.00	\$3,975.00	\$35.20	\$1,865.60
2	CLASS 10 EXCAVATION	353 CY	\$40.00	\$14,120.00	\$24.50	\$8,648.50	\$12.00	\$4,236.00	\$30.00	\$10,590.00	\$30.80	\$10,872.40
3	BELOW GRADE EXCAVATION (CORE OUT)	100 CY	\$50.00	\$5,000.00	\$19.25	\$1,925.00	\$25.00	\$2,500.00	\$40.00	\$4,000.00	\$19.80	\$1,980.00
4	SUBGRADE PREPARATION, 6 IN. DEPTH	2162 SY	\$8.00	\$17,296.00	\$3.00	\$6,486.00	\$2.30	\$4,972.60	\$4.50	\$9,729.00	\$2.60	\$5,621.20
5	GRANULAR STABILIZATION	100 TON	\$40.00	\$4,000.00	\$39.00	\$3,900.00	\$55.00	\$5,500.00	\$45.00	\$4,500.00	\$52.65	\$5,265.00
6	SUBGRADE TREATMENT, GEOGRID, TYPE 2	250 SY	\$5.00	\$1,250.00	\$3.50	\$875.00	\$3.50	\$875.00	\$5.00	\$1,250.00	\$5.60	\$1,400.00
7	SUBBASE, MODIFIED	681 TON	\$45.00	\$30,645.00	\$39.00	\$26,559.00	\$65.00	\$44,265.00	\$45.00	\$30,645.00	\$49.00	\$33,369.00
8	PAVEMENT, PCC, 7"	1814 SY	\$100.00	\$181,400.00	\$55.00	\$99,770.00	\$56.11	\$101,783.54	\$46.90	\$85,076.60	\$62.65	\$113,647.10
9	PAVEMENT REMOVAL	1814 SY	\$15.00	\$27,210.00	\$9.00	\$16,326.00	\$9.00	\$16,326.00	\$17.50	\$31,745.00	\$13.25	\$24,035.50
10	PAINTED PAVEMENT MARKINGS, DURABLE, EPOXY	12.63 STA	\$150.00	\$1,894.50	\$395.00	\$4,988.85	\$800.00	\$10,104.00	\$395.00	\$4,988.85	\$414.00	\$5,228.82
11	PAINTED SYMBOLS AND LEGENDS, DURABLE, EPOXY	3 EA	\$500.00	\$1,500.00	\$220.00	\$660.00	\$265.00	\$795.00	\$220.00	\$660.00	\$231.00	\$693.00
12	PAVEMENT MARKINGS REMOVED	12.63 STA	\$50.00	\$631.50	\$100.00	\$1,263.00	\$480.00	\$6,062.40	\$100.00	\$1,263.00	\$105.00	\$1,326.15
13	SYMBOLS AND LEGENDS REMOVED	3 EA	\$150.00	\$450.00	\$100.00	\$300.00	\$350.00	\$1,050.00	\$100.00	\$300.00	\$105.00	\$315.00
14	TEMPORARY TRAFFIC CONTROL	1 LS	\$20,000.00	\$20,000.00	\$12,000.00	\$12,000.00	\$6,500.00	\$6,500.00	\$10,900.00	\$10,900.00	\$11,445.00	\$11,445.00
15	HYDRAULIC SEEDING, SEEDING, FERTILIZING, AND MULCHING, TYPE 1	0.1 AC	\$8,000.00	\$800.00	\$20,000.00	\$2,000.00	\$20,000.00	\$2,000.00	\$5,000.00	\$500.00	\$21,000.00	\$2,100.00
16	TEMPORARY HYDRAULIC SEEDING AND MULCHING, TYPE 5	0.1 AC	\$8,000.00	\$800.00	\$7,500.00	\$750.00	\$18,500.00	\$1,850.00	\$5,000.00	\$500.00	\$7,875.00	\$787.50
17	FILTER SOCK, 12"	400 LF	\$4.00	\$1,600.00	\$3.00	\$1,200.00	\$3.50	\$1,400.00	\$2.25	\$900.00	\$3.15	\$1,260.00
18	FILTER SOCKS, REMOVAL	400 LF	\$1.00	\$400.00	\$1.50	\$600.00	\$1.00	\$400.00	\$1.20	\$480.00	\$1.58	\$632.00
19	EROSION CONTROL MULCHING, HYDROMULCHING	0.1 AC	\$4,000.00	\$400.00	\$7,000.00	\$700.00	\$16,000.00	\$1,600.00	\$2,000.00	\$200.00	\$7,350.00	\$735.00
20	INLET PROTECTION DEVICE	2 EA	\$250.00	\$500.00	\$500.00	\$500.00	\$200.00	\$400.00	\$250.00	\$500.00	\$262.50	\$525.00
21	INLET PROTECTION DEVICE, MAINTENANCE	2 EA	\$100.00	\$200.00	\$100.00	\$200.00	\$35.00	\$70.00	\$100.00	\$200.00	\$105.00	\$210.00
22	TREE PROTECTION FENCE	75 LF	\$5.00	\$375.00	\$10.00	\$750.00	\$15.00	\$1,125.00	\$10.00	\$750.00	\$10.50	\$787.50
23	TREE TRUNK PROTECTION	1 EA	\$450.00	\$450.00	\$750.00	\$750.00	\$650.00	\$650.00	\$800.00	\$800.00	\$787.50	\$787.50
24	CONSTRUCTION SURVEY	1 LS	\$5,000.00	\$5,000.00	\$3,200.00	\$3,200.00	\$4,000.00	\$4,000.00	\$3,200.00	\$3,200.00	\$4,400.00	\$4,400.00
25	MOBILIZATION	1 LS	\$26,428.00	\$26,428.00	\$15,000.00	\$15,000.00	\$5,000.00	\$5,000.00	\$20,000.00	\$20,000.00	\$13,475.00	\$13,475.00
26	CONCRETE WASHOUT	1 LS	\$5,000.00	\$5,000.00	\$1,080.00	\$1,080.00	\$1,500.00	\$1,500.00	\$1,100.00	\$1,100.00	\$1,520.00	\$1,520.00
TOTAL CONSTRUCTION COST				\$350,000.00		\$214,300.35		\$226,819.54		\$228,752.45		\$244,283.27
PERCENT OF ENGINEER'S ESTIMATE						-38.77%		-35.19%		-34.64%		-30.20%
						Low						

Bid Date: 6/4/24

TABULATED BY: N. Smith APPROVED BY: Phillip J. Wagen
CHECKED BY: [Signature]

CONTRACTOR'S BID TABULATION
PROJECT: GRAY'S LAKE MARINA PARKING LOT REPAIRS

-----ESTIMATE-----

ITEM	DESCRIPTION	QUANTITY	UNIT	PRICE	AMOUNT	Concrete Technologies, Inc. Grimes, IA		TK Concrete, Inc. Pella, IA		Alliance Construction Group, LLC Urbandale, IA		Manatts, Inc. Johnston, IA	
						BID SECURITY 10% Bid Bond	BID PRICE	BID SECURITY 10% Bid Bond	BID PRICE	BID SECURITY 10% Bid Bond	BID PRICE	BID SECURITY 10% Bid Bond	BID PRICE
						UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT
1	TOPSOIL, OFFSITE	53 CY		\$50.00	\$2,650.00	\$42.50	\$2,252.50	\$60.00	\$3,180.00	\$40.00	\$2,120.00	\$42.00	\$2,226.00
2	CLASS 10 EXCAVATION	353 CY		\$40.00	\$14,120.00	\$22.20	\$7,836.60	\$18.00	\$6,354.00	\$22.00	\$7,766.00	\$22.00	\$7,766.00
3	BELOW GRADE EXCAVATION (CORE OUT)	100 CY		\$50.00	\$5,000.00	\$16.15	\$1,615.00	\$40.00	\$4,000.00	\$24.75	\$2,475.00	\$16.00	\$1,600.00
4	SUBGRADE PREPARATION, 6 IN. DEPTH	2162 SY		\$8.00	\$17,296.00	\$2.55	\$5,513.10	\$2.50	\$5,405.00	\$2.50	\$5,405.00	\$2.50	\$5,405.00
5	GRANULAR STABILIZATION	100 TON		\$40.00	\$4,000.00	\$38.35	\$3,835.00	\$55.00	\$5,500.00	\$34.00	\$3,400.00	\$38.00	\$3,800.00
6	SUBGRADE TREATMENT, GEOGRID, TYPE 2	250 SY		\$5.00	\$1,250.00	\$4.05	\$1,012.50	\$5.50	\$1,375.00	\$4.50	\$1,125.00	\$4.00	\$1,000.00
7	SUBBASE, MODIFIED	681 TON		\$45.00	\$30,645.00	\$34.35	\$23,392.35	\$35.00	\$23,835.00	\$32.50	\$22,132.50	\$34.00	\$23,154.00
8	PAVEMENT, PCC, 7"	1814 SY		\$100.00	\$181,400.00	\$72.15	\$130,880.10	\$65.00	\$117,910.00	\$79.00	\$143,306.00	\$80.00	\$145,120.00
9	PAVEMENT REMOVAL	1814 SY		\$15.00	\$27,210.00	\$11.10	\$20,135.40	\$10.00	\$18,140.00	\$11.50	\$20,861.00	\$11.00	\$19,954.00
10	PAINTED PAVEMENT MARKINGS, DURABLE, EPOXY	12.63 STA		\$150.00	\$1,894.50	\$400.00	\$5,052.00	\$800.00	\$10,104.00	\$395.00	\$4,988.85	\$395.00	\$4,988.85
11	PAINTED SYMBOLS AND LEGENDS, DURABLE, EPOXY	3 EA		\$500.00	\$1,500.00	\$222.00	\$666.00	\$350.00	\$1,050.00	\$220.00	\$660.00	\$220.00	\$660.00
12	PAVEMENT MARKINGS REMOVED	12.63 STA		\$50.00	\$631.50	\$101.00	\$1,275.63	\$500.00	\$6,315.00	\$100.00	\$1,263.00	\$100.00	\$1,263.00
13	SYMBOLS AND LEGENDS REMOVED	3 EA		\$150.00	\$450.00	\$10.10	\$30.30	\$450.00	\$1,350.00	\$100.00	\$300.00	\$100.00	\$300.00
14	TEMPORARY TRAFFIC CONTROL	1 LS		\$20,000.00	\$20,000.00	\$11,000.00	\$11,000.00	\$7,500.00	\$7,500.00	\$6,500.00	\$6,500.00	\$10,900.00	\$10,900.00
15	HYDRAULIC SEEDING, SEEDING, FERTILIZING, AND MULCHING, TYPE 1	0.1 AC		\$8,000.00	\$800.00	\$20,200.00	\$2,020.00	\$25,000.00	\$2,500.00	\$14,000.00	\$1,400.00	\$20,000.00	\$2,000.00
16	TEMPORARY HYDRAULIC SEEDING AND MULCHING, TYPE 5	0.1 AC		\$8,000.00	\$800.00	\$7,575.00	\$757.50	\$23,000.00	\$2,300.00	\$9,000.00	\$900.00	\$7,500.00	\$750.00
17	FILTER SOCK, 12"	400 LF		\$4.00	\$1,600.00	\$3.05	\$1,220.00	\$4.00	\$1,600.00	\$1.75	\$700.00	\$3.00	\$1,200.00
18	FILTER SOCKS, REMOVAL	400 LF		\$1.00	\$400.00	\$1.55	\$620.00	\$1.50	\$600.00	\$0.25	\$100.00	\$1.50	\$600.00
19	EROSION CONTROL MULCHING, HYDROMULCHING	0.1 AC		\$4,000.00	\$400.00	\$7,075.00	\$707.50	\$20,000.00	\$2,000.00	\$8,000.00	\$800.00	\$7,000.00	\$700.00
20	INLET PROTECTION DEVICE	2 EA		\$250.00	\$500.00	\$255.00	\$510.00	\$300.00	\$600.00	\$225.00	\$450.00	\$250.00	\$500.00
21	INLET PROTECTION DEVICE, MAINTENANCE	2 EA		\$100.00	\$200.00	\$101.00	\$202.00	\$100.00	\$200.00	\$50.00	\$100.00	\$100.00	\$200.00
22	TREE PROTECTION FENCE	75 LF		\$5.00	\$375.00	\$10.10	\$757.50	\$10.00	\$750.00	\$5.25	\$393.75	\$10.00	\$750.00
23	TREE TRUNK PROTECTION	1 EA		\$450.00	\$450.00	\$760.00	\$760.00	\$750.00	\$750.00	\$250.00	\$250.00	\$750.00	\$750.00
24	CONSTRUCTION SURVEY	1 LS		\$5,000.00	\$5,000.00	\$3,225.00	\$3,225.00	\$5,000.00	\$5,000.00	\$3,200.00	\$3,200.00	\$3,200.00	\$3,200.00
25	MOBILIZATION	1 LS		\$26,428.00	\$26,428.00	\$22,000.00	\$22,000.00	\$20,500.00	\$20,500.00	\$20,000.00	\$20,000.00	\$20,000.00	\$20,000.00
26	CONCRETE WASHOUT	1 LS		\$5,000.00	\$5,000.00	\$700.00	\$700.00	\$1,750.00	\$1,750.00	\$1,200.00	\$1,200.00	\$1,200.00	\$1,200.00
TOTAL CONSTRUCTION COST					\$350,000.00		\$247,975.98		\$250,568.00		\$251,796.10		\$259,986.85
PERCENT OF ENGINEER'S ESTIMATE							-29.15%		-28.41%		-28.06%		-25.72%

Bid Date: 6/4/24

TABULATED BY: N. Smith APPROVED BY Phillip J. Wagen
CHECKED BY: [Signature]

CONTRACTOR'S BID TABULATION
PROJECT: GRAY'S LAKE MARINA PARKING LOT REPAIRS

Jasper Construction
Services, Inc.
Newton, IA

Con-Struct, Inc.
Marshalltown, IA

Reilly Construction Co,
Inc.
Ossian, IA

Jordison Construction,
Inc.
Urbandale, 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
1	TOPSOIL, OFFSITE	53 CY	\$50.00	\$2,650.00	\$42.00	\$2,226.00	\$80.00	\$4,240.00	\$325.00	\$17,225.00	\$43.20	\$2,289.60
2	CLASS 10 EXCAVATION	353 CY	\$40.00	\$14,120.00	\$23.00	\$8,119.00	\$30.00	\$10,590.00	\$21.00	\$7,413.00	\$24.00	\$8,472.00
3	BELOW GRADE EXCAVATION (CORE OUT)	100 CY	\$50.00	\$5,000.00	\$5.00	\$500.00	\$30.00	\$3,000.00	\$14.00	\$1,400.00	\$27.00	\$2,700.00
4	SUBGRADE PREPARATION, 6 IN. DEPTH	2162 SY	\$8.00	\$17,296.00	\$2.75	\$5,945.50	\$5.00	\$10,810.00	\$5.50	\$11,891.00	\$4.33	\$9,361.46
5	GRANULAR STABILIZATION	100 TON	\$40.00	\$4,000.00	\$15.00	\$1,500.00	\$60.00	\$6,000.00	\$65.00	\$6,500.00	\$34.00	\$3,400.00
6	SUBGRADE TREATMENT, GEOGRID, TYPE 2	250 SY	\$5.00	\$1,250.00	\$4.25	\$1,062.50	\$5.00	\$1,250.00	\$8.00	\$2,000.00	\$6.00	\$1,500.00
7	SUBBASE, MODIFIED	681 TON	\$45.00	\$30,645.00	\$38.00	\$25,878.00	\$45.00	\$30,645.00	\$61.00	\$41,541.00	\$34.00	\$23,154.00
8	PAVEMENT, PCC, 7"	1814 SY	\$100.00	\$181,400.00	\$85.00	\$154,190.00	\$65.00	\$117,910.00	\$87.00	\$157,818.00	\$130.65	\$236,999.10
9	PAVEMENT REMOVAL	1814 SY	\$15.00	\$27,210.00	\$15.00	\$27,210.00	\$15.00	\$27,210.00	\$21.00	\$38,094.00	\$15.75	\$28,570.50
10	PAINTED PAVEMENT MARKINGS, DURABLE, EPOXY	12.63 STA	\$150.00	\$1,894.50	\$435.00	\$5,494.05	\$750.00	\$9,472.50	\$710.00	\$8,967.30	\$775.00	\$9,788.25
11	PAINTED SYMBOLS AND LEGENDS, DURABLE, EPOXY	3 EA	\$500.00	\$1,500.00	\$245.00	\$735.00	\$250.00	\$750.00	\$250.00	\$750.00	\$300.00	\$900.00
12	PAVEMENT MARKINGS REMOVED	12.63 STA	\$50.00	\$631.50	\$100.00	\$1,263.00	\$450.00	\$5,683.50	\$125.00	\$1,578.75	\$775.00	\$9,788.25
13	SYMBOLS AND LEGENDS REMOVED	3 EA	\$150.00	\$450.00	\$100.00	\$300.00	\$350.00	\$1,050.00	\$125.00	\$375.00	\$400.00	\$1,200.00
14	TEMPORARY TRAFFIC CONTROL HYDRAULIC SEEDING, SEEDING, FERTILIZING, AND MULCHING, TYPE 1	1 LS	\$20,000.00	\$20,000.00	\$5,000.00	\$5,000.00	\$6,500.00	\$6,500.00	\$12,000.00	\$12,000.00	\$7,000.00	\$7,000.00
15	TEMPORARY HYDRAULIC SEEDING AND MULCHING, TYPE 5	0.1 AC	\$8,000.00	\$800.00	\$10,000.00	\$1,000.00	\$20,000.00	\$2,000.00	\$27,500.00	\$2,750.00	\$23,000.00	\$2,300.00
16	FILTER SOCK, 12"	400 LF	\$4.00	\$1,600.00	\$2.00	\$800.00	\$3.00	\$1,200.00	\$3.50	\$1,400.00	\$3.25	\$1,300.00
17	FILTER SOCKS, REMOVAL	400 LF	\$1.00	\$400.00	\$0.50	\$200.00	\$1.50	\$600.00	\$1.50	\$600.00	\$1.75	\$700.00
18	EROSION CONTROL MULCHING, HYDROMULCHING	0.1 AC	\$4,000.00	\$400.00	\$1,650.00	\$165.00	\$7,000.00	\$700.00	\$11,000.00	\$1,100.00	\$7,000.00	\$700.00
19	INLET PROTECTION DEVICE	2 EA	\$250.00	\$500.00	\$220.00	\$440.00	\$250.00	\$500.00	\$160.00	\$320.00	\$275.00	\$550.00
20	INLET PROTECTION DEVICE, MAINTENANCE	2 EA	\$100.00	\$200.00	\$5.00	\$10.00	\$100.00	\$200.00	\$60.00	\$120.00	\$110.00	\$220.00
21	TREE PROTECTION FENCE	75 LF	\$5.00	\$375.00	\$1.00	\$75.00	\$10.00	\$750.00	\$21.00	\$1,575.00	\$11.00	\$825.00
22	TREE TRUNK PROTECTION	1 EA	\$450.00	\$450.00	\$15.00	\$15.00	\$1,250.00	\$1,250.00	\$5,500.00	\$5,500.00	\$790.00	\$790.00
23	CONSTRUCTION SURVEY	1 LS	\$5,000.00	\$5,000.00	\$1.00	\$1.00	\$3,200.00	\$3,200.00	\$4,750.00	\$4,750.00	\$5,100.00	\$5,100.00
24	MOBILIZATION	1 LS	\$26,428.00	\$26,428.00	\$33,750.00	\$33,750.00	\$28,000.00	\$28,000.00	\$14,000.00	\$14,000.00	\$10,470.00	\$10,470.00
25	CONCRETE WASHOUT	1 LS	\$5,000.00	\$5,000.00	\$2,500.00	\$2,500.00	\$5,000.00	\$5,000.00	\$1,981.95	\$1,981.95	\$1,100.00	\$1,100.00
TOTAL CONSTRUCTION COST				\$350,000.00		\$278,629.05		\$279,261.00		\$343,000.00		\$369,928.16
PERCENT OF ENGINEER'S ESTIMATE						-20.39%		-20.21%		-2.00%		+5.69%