



Roll Call Number

Agenda Item Number

8A

DATE October 22, 2012

ACCEPTING COMPLETED CONSTRUCTION AND APPROVING FINAL PAYMENT FOR 2010 STORM SEWER REPAIR CONTRACT 1, THE UNDERGROUND COMPANY, LTD.

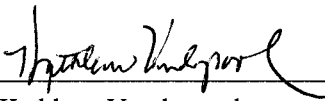
BE IT RESOLVED BY THE CITY COUNCIL OF THE CITY OF DES MOINES, IOWA: That the attached report of the Des Moines City Engineer, showing the cost of the construction of the 2010 Storm Sewer Repair Contract 1, 08-2010-005, in accordance with the contract approved between The Underground Company, Ltd., Duane Burkhardt, President, 12245 Dakota Street, Carlisle, IA 50047, under Roll Call No. 10-1414, of August 23, 2010, and the City of Des Moines, and recommending the acceptance thereof, be and the same is hereby approved, and accepted, and

BE IT FURTHER RESOLVED: That \$804,914.69 is the total cost, of which \$762,768.96 has been paid the Contractor, and \$1,900.00 is now due and is hereby approved as final partial payment for the above project, the remaining balance of \$40,245.73 is to be paid at the end of thirty days, with funds retained for unresolved claims on file in accordance with Iowa Code Chapter 573.

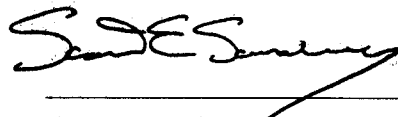
BE IT FURTHER RESOLVED: That the Des Moines Finance Director be and is hereby authorized to release said retainage if suit is not filed as above provided.

Moved by _____ to adopt.

FORM APPROVED:


Kathleen Vanderpool
Deputy City Attorney

FUNDS AVAILABLE


Scott E. Sanders
Des Moines Finance Director

JEB Funding Source: 2012-2013 CIP, Page Storm-4, City-wide Storm Water Utility Projects, STE057, Being: \$638,377.69 in Storm Water Utility Funds from STE057, and \$166,537 in Sanitary Sewer Funds for the work on the Beaverdale Trail Creek and 28th Street & Grand Avenue from SAE054, City-wide Sanitary Sewers, Page Sanitary-6

COUNCIL ACTION	YEAS	NAYS	PASS	ABSENT
COWNIE				
COLEMAN				
GRIESS				
HENSLEY				
MAHAFFEY				
MEYER				
MOORE				
TOTAL				
MOTION CARRIED	APPROVED			

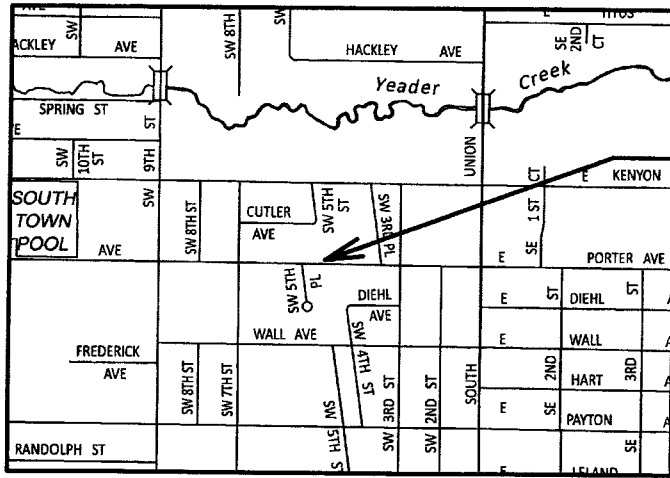
CERTIFICATE

I, DIANE RAUH, 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.

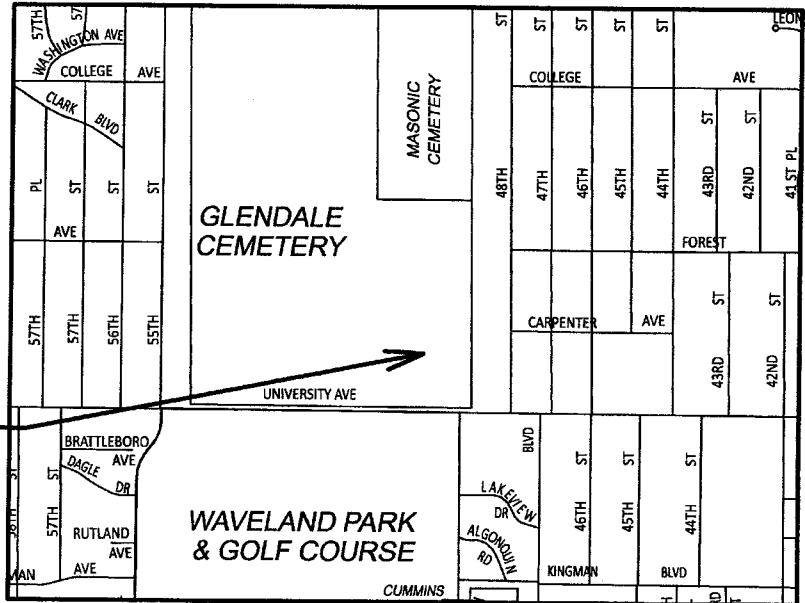
IN WITNESS WHEREOF, I have hereunto set my hand and affixed my seal the day and year first above written.

Mayor

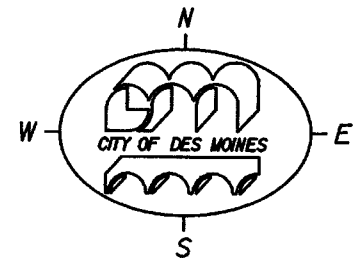
City Clerk

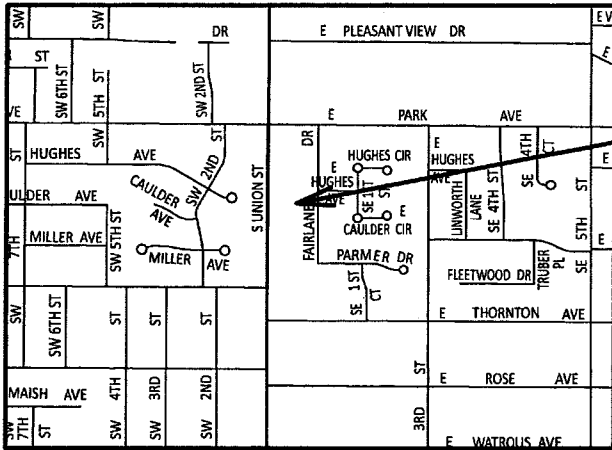


501 PORTER AVE

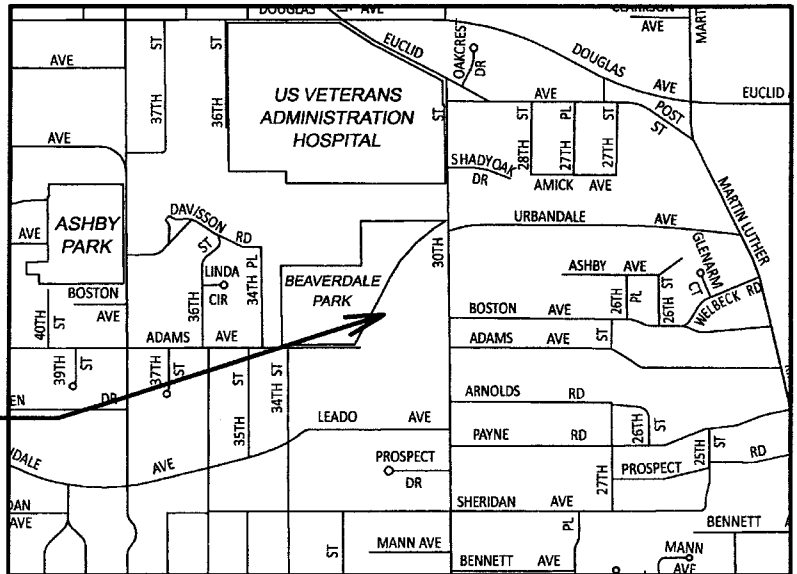


GLENDALE CEMETERY

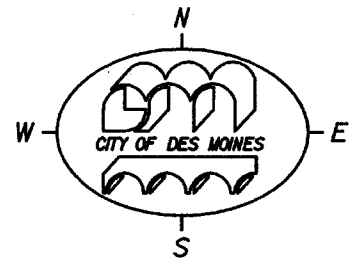




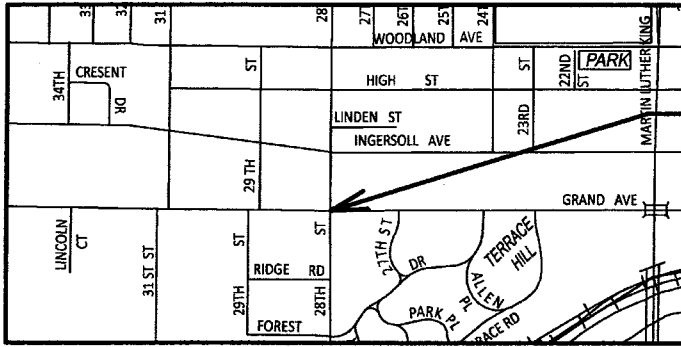
FAIRLANE DRIVE



BEVERDALE TRAIL CREEK

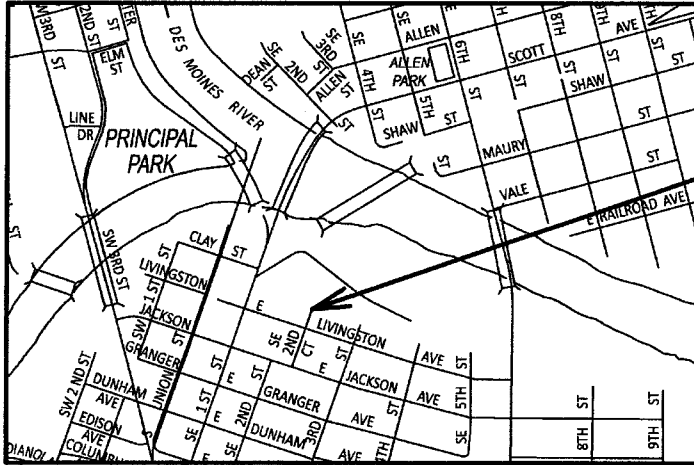
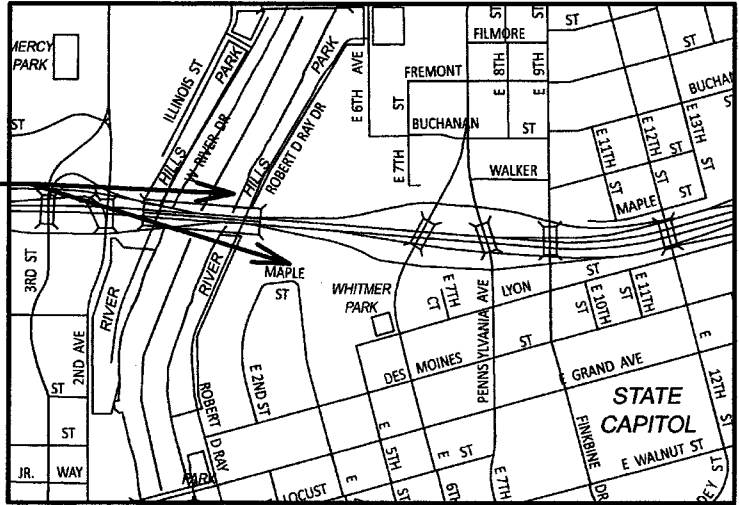


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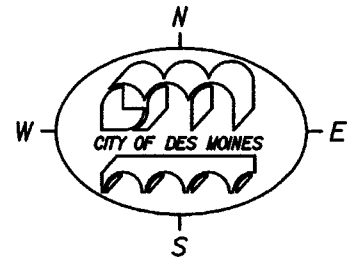


28TH ST &
GRAND AVE

I-235 STORM
SEWER
SEPARATION



SE 2ND COURT
NORTH OF
LIVINGSTON



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PROJECT SUMMARY

2010 Storm Sewer Repair Contract 1

Activity ID 08-2010-005

On August 23, 2010, under Roll Call No. 10-1414, the Council awarded the contract for the above improvements to The Underground Company, Ltd., in the amount of \$678,283.75. Tabulated below is a history of project change orders.

Change Order No.	Initiated By	Description	Amount
1	User	10/26/2010 Repair of Levee at Dean's Lake outlet south of Wastewater Treatment Plant.	\$18,550.00
2	User	11/1/2010 Repair of Levee south of North Valley Drive on Walnut Creek.	\$17,000.00
3	User	12/14/2010 Change from storm sewer to ditch section at Glendale Cemetery and additional traffic control signs.	\$24,372.00
4	Engineering	3/17/2011 Repair of sanitary sewer service behind 3305 S. Union St.	\$5,500.00
5	User	7/21/2011 Repair of sinkholes along University Avenue next to Glendale Cemetery and additional costs for installation of MH-1 at Glendale Cemetery.	\$13,065.00
6	Engineering	7/26/2011 Place rip rap on slopes to prevent failures at Beaverdale Trail Creek location and Scott Avenue & Four Mile Bridge.	\$15,000.00
7		8/12/2011 Restoration of stream banks in Brooks Run.	\$24,000.00
8	City	11/7/2011 Adjustment of quantities to as-built measurements and native seed purchase.	\$12,643.94
9	Engineering	11/28/2011 Liquidated Damages.	\$(5,500.00)
10	Engineering	10/1/2012	\$2,000.00

Install concrete around rip rap on drop structures to lock it in place.

Original Contract Amount	\$678,283.75
Total Change Orders	\$126,630.94
Percent of Change Orders to Original Contract	18.67%
Total Contract Amount	\$804,914.69 ✓

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October 22, 2012



CERTIFICATION OF COMPLETION

AGENDA HEADING:

Accepting completed construction and approving final payment for the 2010 Storm Sewer Repair Contract 1, The Underground Company, Ltd.

SYNOPSIS:

Approve the Engineer's Certification of Completion, accept construction of said improvement, and authorize final payment to the contractor.

FISCAL IMPACT:

Amount: \$804,914.69 As-Built Contract Cost

Funding Source: 2012-2013 CIP, Page Storm-4, City-wide Storm Water Utility Projects, STE057, Being: \$638,377.69 in Storm Water Utility Funds from STE057, and \$166,537 in Sanitary Sewer Funds for the work on the Beaverville Trail Creek and 28th Street & Grand Avenue from SAE054, City-wide Sanitary Sewers, Page Sanitary-6

CERTIFICATION OF COMPLETION:

On August 23, 2010, under Roll Call No. 10-1414, the City Council awarded a contract to The Underground Company, Ltd., Duane Burkhardt, President, 12245 Dakota Street, Carlisle, IA 50047 for the construction of the following improvement:

2010 Storm Sewer Repair Contract 1, 08-2010-005

The improvement includes construction of new storm sewers to repair deteriorated infrastructure and drainage problems at 7 various locations in Des Moines: 501 Porter Avenue, Glendale Cemetery, 3420 Fairlane Drive, Beaverville Trail Creek, 28th Street & Grand Avenue, I-235 Storm Sewer Separation, and SE 2nd Court North of Livingston Avenue. This work includes construction of storm sewers, manholes, intakes, grading, restoration of pavement & landscaping, and other incidental items; in accordance with the contract documents including Plan File Nos. 522-001/064

I hereby certify that the construction of said 2010 Storm Sewer Repair Contract 1, Activity ID 08-2010-005, has been completed in substantial compliance with the terms of said contract, and I hereby recommend that the work be accepted. The work commenced on September 7, 2010, and was completed on October 4, 2012.

I further certify that \$804,914.69 is the total cost of said improvement, of which \$762,768.96 has been paid the Contractor and \$1,900.00 is now due and is hereby approved as final partial payment for the above project, the remaining balance of \$40,245.73 is to be paid at the end of thirty days, with funds retained for unresolved claims on file in accordance with Iowa Code Chapter 573. The amount of completed work is shown on the attached Estimate of Construction Completed.

A handwritten signature in black ink, appearing to read "JEB BREWER" with a stylized flourish at the end.

Jeb E. Brewer, P.E.
Des Moines City Engineer

**ENGINEERING DEPARTMENT
CITY OF DES MOINES, IOWA**



**ESTIMATE OF CONSTRUCTION COMPLETED
FOR WORK DONE FROM 05/10/12 to 09/15/12
FINAL PAYMENT (PAYMENT NO. 10)**

**PROJECT: 2010 STORM SEWER REPAIR CONTRACT 1
CONTRACTOR: THE UNDERGROUND COMPANY, LTD.**

**Activity ID: 08-2010-005
Date: 10/02/12**

LINE NO.	DESCRIPTION	UNIT	UNITS				TOTAL AMOUNT
			ESTIMATED	AUTHORIZED	CONSTRUCTED TO DATE	UNIT PRICE	
1	Clearing & Grubbing	ACRE	0.250	0.250	0.250	\$1.00	\$0.25
2	Clearing & Grubbing	DI	286.000	254.000	254.000	\$35.00	\$8,890.00
3	Earthwork - 501 Porter	LS	1.000	1.000	1.000	\$10,000.00	\$10,000.00
4	Earthwork - Fairlane Drive	LS	1.000	1.000	1.000	\$5,000.00	\$5,000.00
5	Earthwork - SE 2nd North of Livingston	LS	1.000	1.000	1.000	\$5,000.00	\$5,000.00
6	Removal of Sidewalk	SY	54.000	316.810	316.810	\$10.00	\$3,168.10
7	Removal of Structure	EACH	15.000	16.000	16.000	\$100.00	\$1,600.00
8	Removal of Storm Sewer	LF	446.000	612.000	612.000	\$15.00	\$9,180.00
9	Removal of Pavement	SY	1,119.000	1,294.490	1,294.490	\$10.00	\$12,944.90
10	Removal of Chain Link Fence	LF	155.000	303.000	303.000	\$4.00	\$1,212.00
11	Removal of Curb	LF	138.000	237.200	237.200	\$5.00	\$1,186.00
12	Flowable Mortar	CY	153.000	48.530	48.530	\$75.00	\$3,639.75
13	Subdrain, Type 1, 6"	LF	378.000	375.000	375.000	\$18.00	\$6,750.00
14	Storm Sewer, 15" RCP, Class III	LF	644.000	614.000	614.000	\$53.00	\$32,542.00
15	Storm Sewer, 15" RCP, Class III, with wrapped joints	LF	50.000	40.000	40.000	\$56.00	\$2,240.00
16	Storm Sewer, 18" RCP, Class III	LF	719.000	721.000	721.000	\$54.00	\$38,934.00
17	Storm Sewer, 24" RCP, Class III, with wrapped joints	LF	378.000	404.000	404.000	\$62.00	\$25,048.00
18	Storm Sewer, 30" RCP, Class III	LF	342.000	352.000	352.000	\$74.00	\$26,048.00
19	Storm Sewer, 36" RCP, Class III	LF	412.000	16.000	16.000	\$100.00	\$1,600.00
20	Storm Sewer, 72" RCP, Class III	LF	24.000	24.000	24.000	\$286.00	\$6,864.00
21	Storm Sewer, 84" RCP, Class III	LF	57.000	48.000	48.000	\$407.00	\$19,536.00
22	Storm Sewer, 18" RCP, Class V	LF	125.000	112.000	112.000	\$98.00	\$10,976.00
23	Apron, 18" RCP, with footing	EACH	1.000	1.000	1.000	\$1,100.00	\$1,100.00
24	Apron, 84" RCP, with footing	EACH	1.000	1.000	1.000	\$6,400.00	\$6,400.00
25	Manhole, SW-402, 40" X 40"	EACH	5.000	6.000	6.000	\$4,200.00	\$25,200.00
26	Manhole, SW-402, 48" X 48"	EACH	1.000	1.000	1.000	\$4,200.00	\$4,200.00
27	Manhole, SW-402, 60" X 60"	EACH	2.000	1.000	1.000	\$6,000.00	\$6,000.00
28	Manhole, SW-403, 48" X 48"	EACH	1.000	1.000	1.000	\$6,300.00	\$6,300.00
29	Manhole, SW-404, 60" X 60"	EACH	2.000	2.000	2.000	\$10,200.00	\$20,400.00

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LINE NO.	DESCRIPTION	UNIT	UNITS			TOTAL AMOUNT
			ESTIMATED	AUTHORIZED	CONSTRUCTED TO DATE	
30	Manhole, SW-404, 120" X 120"	EACH	1.000	1.000	1.000	\$23,000.00
31	Intake Modification	EACH	1.000	1.000	1.000	\$1,000.00
32	Intake, SW-501	EACH	2.000	2.000	2.000	\$3,200.00
33	Intake, SW-507	EACH	1.000	1.000	1.000	\$4,400.00
34	Intake, SW-511	EACH	5.000	5.000	5.000	\$8,500.00
35	Intake, SW-511, Modified, 36" X 60"	EACH	1.000	1.000	1.000	\$2,300.00
36	Intake, SW-513, 42" X 42"	EACH	2.000	2.000	2.000	\$7,200.00
37	Intake, SW-513, 48" X 48"	EACH	3.000	2.000	2.000	\$7,000.00
38	Gatewell Structure	LS	1.000	1.000	1.000	\$26,000.00
39	Steel Sheet Pile	LS	1.000	1.000	1.000	\$41,000.00
40	Gabion Baskets	CY	100.000	105.000	105.000	\$62,265.00
41	Rip Rap, Class D	TON	105.000	126.190	126.190	\$5,804.74
42	Sewer Pipe Support	EACH	2.000	0.000	0.000	\$0.00
43	Surfacing, Class A Crushed Stone	TON	160.000	122.270	122.270	\$3,056.75
44	Pavement Patch, 8" PCC with 2" HMA	SY	123.000	298.860	298.860	\$29,886.00
45	Pavement, 7" PCC	SY	49.000	912.500	912.500	\$68,437.50
46	Pavement, 6" PCC	SY	744.000	0.000	0.000	\$0.00
47	Pavement, 6" HMA	SY	140.000	0.000	0.000	\$0.00
48	Sidewalk, 4"	SY	54.000	316.810	316.810	\$14,256.45
49	Curb, PCC	LF	138.000	252.300	252.300	\$5,046.00
50	Chain Link Fence, 48"	LF	30.000	0.000	0.000	\$0.00
51	Chain Link Fence, 66"	LF	125.000	303.000	303.000	\$4,469.25
52	Silt Fence Installation	LF	765.000	857.600	857.600	\$1,500.80
53	Silt Fence Removal	LF	765.000	0.000	0.000	\$0.00
54	Topsoil, Furnish & Place	CY	757.000	503.000	503.000	\$503.00
55	Sod	SQ	523.000	602.950	602.950	\$20,500.30
56	Seed & Mulch	SQ	275.000	392.710	392.710	\$3,141.68
57	Tree Protection	LS	1.000	1.000	1.000	\$1,300.00
58	Tree Protection Fence	LF	1,900.000	1,284.000	1,284.000	\$2,568.00
59	Traffic Control	LS	1.000	1.000	1.000	\$9,400.00
60	Project Sign Small - Standard	EACH	3.000	3.000	3.000	\$225.00
61	Mobilization	LS	1.000	1.000	1.000	\$35,200.00
1.01	Repair of Levee at Dean's Lake Outlet	LS	1.000	1.000	1.000	\$18,550.00
2.01	Repair of Levee on Walnut Creek	LS	1.000	1.000	1.000	\$17,000.00
3.01	Apron, 36" RCP, with footing	EACH	1.000	1.000	1.000	\$2,460.00
3.02	Earthwork - Glendale	LS	1.000	1.000	1.000	\$10,160.00
3.03	Intake, SW-513, 60" x 60"	EACH	1.000	1.000	1.000	\$9,000.00
3.04	Additional Traffic Control Signs	EACH	2.000	2.000	2.000	\$341.00

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LINE NO.	DESCRIPTION	UNIT	UNITS			CONSTRUCTED TO DATE	UNIT PRICE	TOTAL AMOUNT
			ESTIMATED	AUTHORIZED				
4.01	Repair of Sanitary Service @ 3305 S. Union St.	LS		1.000	1.000	\$5,500.00	\$5,500.00	
5.01	Repair of Storm Sewer Sinkhole	LS		1.000	1.000	\$1,500.00	\$1,500.00	
5.02	Fish Removal from Glendale Cemetery Pond	LS		1.000	1.000	\$1,760.00	\$1,760.00	
5.03	Removal of Pond Wall	LS		1.000	1.000	\$9,250.00	\$9,250.00	
6.01	Placement of Rip Rap on Drop Structures	LS		1.000	1.000	\$10,500.00	\$10,500.00	
6.02	Slope Repair @ Scott Avenue & Four Mile Bridge	LS		1.000	1.000	\$4,500.00	\$4,500.00	
7.01	Restoration of Stream Banks @ Brooks Run	LS		1.000	1.000	\$24,000.00	\$24,000.00	
8.01	Seed for Glendale Cemetery	LS		1.000	1.000	\$774.22	\$774.22	
9.01	Liquidated Damages	DAY		11.000	11.000	(\$500.00)	(\$5,500.00)	
10.01	Lock in Rip Rap on Drop Structures with Concrete	LS		1.000	1.000	\$2,000.00	\$2,000.00	
	TOTAL CONTRACT AMOUNT PLUS CHANGE ORDERS		\$804,914.69					
	PARTIAL PAYMENT #1		\$39,149.59					
	PARTIAL PAYMENT #2		\$239,607.15					
	PARTIAL PAYMENT #3		\$193,914.00					
	PARTIAL PAYMENT #4		\$26,842.01					
	PARTIAL PAYMENT #5		\$54,049.30					
	PARTIAL PAYMENT #6		\$78,549.33					
	PARTIAL PAYMENT #7		\$62,616.80					
	PARTIAL PAYMENT #8		\$57,828.47					
	PARTIAL PAYMENT #9		\$10,212.31					
	THIS PARTIAL PAYMENT		\$1,900.00					
	TOTAL PARTIAL PAYMENTS		\$764,668.96					
	BALANCE		\$40,245.73					
	TOTAL						\$804,914.69	
	RETAINAGE						\$40,245.73	
	TOTAL LESS RETAINAGE						\$764,668.96	
	LESS PREVIOUS PAYMENT						\$762,768.96	
	AMOUNT DUE						\$1,900.00	

PREPARED BY: 

CHECKED BY: 

FINAL PAYMENT (PAYMENT NO. 10)