★ F	Roll	Call	Num	ber
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Agenda Item Number

10 B

DATE July 27, 2009

ACCEPTING COMPLETED CONSTRUCTION AND APPROVING FINAL PAYMENT FOR 2008 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 Jurisdictional Engineer, showing the cost of the construction of the 2008 Storm Sewer Repair Contract 1, 08-2008-001, in accordance with the contract approved between The Underground Company, Ltd., Duane Burkhardt, President, 12245 Dakota Street, Carlisle, IA 50047, under Roll Call No. 08-738, of April 21, 2008, 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 \$531,930.63 is the total cost, of which \$492,909.05 has been paid the Contractor, and \$12,425.05 is now due and is hereby approved as final partial payment for the above project, the remaining balance of \$26,596.53 is to be paid at the end of thirty days, provided no claims or liens have been filed against said contract. In the event that at the end of said thirty (30) day period, claims are on file as herein provided, the City of Des Moines shall continue to retain from said unpaid funds, a sum not less than double the total amount of all claims on file, or the full Chapter 573 Code of Iowa retainage amount, whichever is lesser.

BE IT FURTHER RESOLVED: That the Engineering Department be and is hereby authorized and directed to notify all persons and firms with outstanding Chapter 573 claims against said project, that the project has been given final acceptance as completed by this City Council, that they have 60 days from such acceptance within which to initiate suit to collect on their claims, and that if suit is not commenced within that time, the City of Des Moines will be required to release the retainage which it is now holding.

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.
morea oy	

FORM APPROVED:

Kathleen Vanderpool by as

Kathleen Vanderpool Deputy City Attorney FUNDSJAVAILABLE

1 Un Clare

Allen McKinley
Des Moines Finance Director

SEB

Funding Source: 2009-2010 CIP, Page Storm-4, City-wide Storm Water Utility Projects, STE057, Storm Water Utility Funds

Roll C	all Number
★	
X	•••••
Date	July 27, 2009

Agenda	Item N	umber
J	10	B

COUNCIL ACTION	YEAS	NAYS	PASS	ABSENT
COWNIE				
COLEMAN				
HENSLEY				
KIERNAN				
MAHAFFEY				
MEYER				
VLASSIS				
TOTAL				
MOTION CARRIED			A	PPROVED

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.

	 City	Clerk

2008 STORM SEWER REPAIR

CONTRACT 1

ACTIVITY I.D. 08-2008-001

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PROJECT SUMMARY

2008 Storm Sewer Repair Contract 1 Activity ID 08-2008-001

On April 21, 2008 under Roll Call No. 08-737, the City Council awarded the contract for the above improvement to The Underground Company, Ltd. in the amount of \$402,504.00 for removal of pavement, installation of new storm sewer, replacement of pavement, and other incidental items.

Tabulated below is a history of project change orders.

Change		Initiated	
Order No.	Description	By	Amount
1	6/27/2008	Engineering	\$17,837.00
	Adjustments at new manhole #1 in 45th Street, replacement of storm sewer pipe, and replacement of deteriorated pavement on 45th Street.		
2	7/16/2008	Engineering	\$21,925.00
	Removal of existing intakes and installation of double intakes to include boxouts, traffic control, grading, and seeding at South Union and Park Avenue.		
3	8/4/2008	Engineering	\$14,600.00
	Additional work at South Union and Park Avenue for rerouting storm sewer and additional Type M-B manholes for change in storm sewer alignment on Clinton Avenue.	,	
4	8/27/2008	Engineering	\$20,254.00
	Additional items to complete work at South Union and Park Avenue for rerouting storm sewer.		
5	9/2/2008	Engineering	\$7,300.00
	Lower 12" water main because of conflict with 24" storm sewer pipe P-6 at 16th Street and Clinton Avenue intersection. Install pipe supports for storm sewers P-7, P-9, and P-14.		

Change		Initiated	
Order No.	Description	By	Amount
6	10/6/2008	Engineering	\$13,833.00
	Install additional curb and manhole at 16th Street & Clinton Avenue location and abandon storm sewer at 45th Street & Grand Avenue location.		
7	11/4/2008	Engineering	\$22,089.50
	Construct new HMA overlay 3 in thick on 16th Street from Euclid Avenue to the north to restore the street surface.	n	
8	11/12/2008	Engineering	\$4,650.00
	Locate buried outlet pipe from detention basin, grade swal to street ditch to provide drainage and seed disturbed area at 4400 Park Avenue.	e	
9	11/24/2008	Engineering	\$2,571.95
	Removal of pine tree at 1509 Clinton Avenue and additional HMA Pavement for restoration of 16th Street.		
10	6/30/2009	Engineering	\$4,366.18
	Additional shoulder work along 16th Street and adjustment of quantities to as-built measurements.	t	
	Original Contract Amount		\$402,504.00
	Total Change Orders		\$129,426.63
	Percent of Change Orders to Original Contract		32.16%
	Final Contract Amount		\$531,930.63 ~

July 27, 2009



CERTIFICATION OF COMPLETION

AGENDA HEADING:

Accepting completed construction and approving final payment for the 2008 Storm Sewer Repair Contract 1, The Underground Company, Ltd..

SYNOPSIS:

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

FISCAL IMPACT:

Amount: \$531,930.63 As-Built Contract Cost

<u>Funding Source:</u> 2009-2010 CIP, Page Storm-4, City-wide Storm Water Utility Projects, STE057, Storm Water Utility Funds

CERTIFICATION OF COMPLETION:

On April 21, 2008, under Roll Call No. 08-738, 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:

2008 Storm Sewer Repair Contract 1, 08-2008-001

The improvement includes construction of new storm sewers to modify the existing storm sewer system at two locations: 1) the intersection of Grand Avenue & 45th Street and 2) 16th Street from Euclid Avenue to Douglas Avenue, Des Moines, Iowa. These projects will allow for the abandonment of deteriorated, undersized storm sewers that are located on private property. This contract includes construction of the storm sewers, manholes, intakes, restoration of pavement, landscaping, and other incidental items; in accordance with the contract documents including Plan File Nos. 489-001/024

I hereby certify that the construction of said 2008 Storm Sewer Repair Contract 1, Activity ID 08-2008-001, 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 April 23, 2008, and was completed on July 15, 2009.

I further certify that \$531,930.63 is the total cost of said improvement, of which \$492,909.05 has been paid the Contractor and \$12,425.05 is now due and is hereby approved as final partial payment for the above project, the remaining balance of \$26,596.53 is to be paid at the end of thirty days, provided no claims or liens have been filed against said contract. In the event that at the end of said thirty (30) day period, claims are on file as herein provided, the City of Des Moines shall continue to retain from said unpaid funds, a sum not less than double the total amount of all claims on file, or the full Chapter 573 Code of Iowa retainage amount, whichever is lesser. The amount of completed work is shown on the attached Estimate of Construction Completed.

Jeb E. Brewer, P.E.

Des Moines City Engineer

ENGINEERING DEPARTMENT CITY OF DES MOINES, 10WA

ESTIMATE OF CONSTRUCTION COMPLETED FOR WORK DONE FROM 12/20/08 to 07/01/09 FINAL PAYMENT (PAYMENT #8)

CITY OF DES MOINES ENGINEERING DEPARTMENT

Activity ID: 08-2008-001 Date: 07/15/09

PROJECT: 2008 STORM SEWER REPAIR CONTRACT 1 CONTRACTOR: THE UNDERGROUND COMPANY, LTD.

				UNITS			
INE NO.	DESCRIPTION	TIND	ESTIMATED	AUTHORIZED	CONSTRUCTED TO DATE	UNIT PRICE	TOTAL AMOUNT
	Pavement Removal	SY	940.000	1		1	\$8,210.60
2	Driveway Removal	SY	135.000				\$1,350.00
3	Sidewalk Removal	SY	160.000				\$1,600,00
4	Sidewalk Ramp Removal	SY	5.000				\$50.00
5	Intake Removal	EACH	7.000			3	\$1.050.00
9	Manhole Removal	EACH	2.000	2.000		\$200.00	\$400.00
7	Remove Storm Sewer Pipe Less Than or Equal to 24 in.	LF	34	100.000	10		\$200.00
«	Remove and Replace 18" Storm Sewer Pipe	LF	33.000	0.000	0.000		\$0.00
6	Flowable Mortar	CY	20.000	48.000	48.000		\$4,800.00
10	Storm Sewer Plug	EACH					\$150.00
=	Tree Removal	FS	1.000	1.000	1.000	97	\$600.00
12	Temporary Surfacing, HMA Millings	TON	425.000	53.030	53.030		\$53.03
13	PCC Pavement, 8 in.	SY	522.000	451.460	451.460	\$65.00	\$29,344.90
14	PCC Pavement, 6 in.	SY	217.000	502.850	502.850		\$22,628.25
15	HMA Pavement, 2 in.	SY	217.000	567.100	567.100	\$21.00	\$11,909.10
16	HMA Pavement, 6 in.	SY	164.000	57.260	57.260		\$2,576.70
17	Drives, PCC, 6 in.	SY	135.000	160.800	160.800	\$40.00	\$6,432.00
18	Sidewalk, PCC, 4 in.	SY	160.000	160.000	160.000		\$4,800.00
19	Sidewalk, PCC, 6 in.	SY	2.000	5.000		\$100.00	\$500.00
20	Detectable Warning, Truncated Domes	SF	000.9	8.000	8.000	\$20.00	\$160.00
21	Curb and Gutter, PCC, 2.0 Ft	LF	93.000	263.500	263.500		\$5,270.00
22	Painted Pavement Marking	STA	1.600	1.600			\$1,408.00
23	Storm Sewer, 15 in. Dia., RCP Class III	LF	134.000	134.000	134.000	00.09\$	\$8,040.00
24	Storm Sewer, 18 in. Dia., RCP Class III	LF	252.000	285.000	285.000	\$62.00	\$17,670.00
25	Storm Sewer, 24 in. Dia., RCP Class III	LF	503.000	528.000	528.000	00.64\$	\$41,712.00
26	Storm Sewer 30 in. Dia., RCP Class III	LF	634.000	000.699	000.699	\$160.00	\$107,040.00
27	Manhole, Type M-A, 72"	EACH		2.000	2.000	\$7,366.00	\$14,732.00
78	Intake, Type M-D	EACH	1.000	4.000	4.000	\$2,825.00	\$11,300.00
29	Intake, Type M-F	EACH		3.000	3.000	\$3,000.00	\$9,000.00
30	Intake, Type M-I	EACH	4.000	4.000	4.000	\$4,134.00	\$16,536.00

CONSTRUCTED VILL PRICE TOTAI 000 4,000 \$4,204.00 000 4,000 \$1,090.00 000 2,000 \$1,090.00 000 1,000 \$100.00 000 1,000 \$100.00 000 1,000 \$100.00 0,000 3,000 \$100.00 0,000 3,000 \$2,000 0,000 1,000 \$2,000 0,000 1,000 \$2,000 0,000 1,000 \$2,000 0,000 1,000 \$2,000 0,000 1,000 \$5,794.00 0,000 1,000 \$5,794.00 0,000 1,000 \$5,700.00 0,000 1,000 \$5,700.00 0,000 1,000 \$5,400.00 0,000 1,000 \$5,000.00 0,000 1,000 \$5,000.00 0,000 1,000 \$5,000.00 0,000 1,000 \$5,000.00 0,000 1,00					SLINI			
Interke, Type Abe, Abe, Modelised EACH 3 000 4 000 5 1,001 0 5 1,0	LINE NO.	DESCRIPTION	LINO	ESTIMATED	AUTHORIZED	CONSTRUCTED TO DATE	TINIT PRICE	TOTAL AMOUNT
Banker, Service Redocation EACH 2.000 2.000 2.000 5.10.001 Check Redocation EACH 2.000 2.000 2.10.001 Check Redocation EACH 4.000 1.000 3.10.001 Check Water Service Redocation EACH 4.000 1.000 3.10.001 Check Water Service Redocation EACH 4.000 1.000 3.10.001 S.10.001 Check Water Service Redocation EACH 4.000 1.000 3.10.001 S.10.001 Check Water Service Redocation EACH 4.000 1.000 3.10.001 S.10.001 Check Water Service Target	31	Intake, Type M-G Modified	EACH	3.000				\$16.816.00
Water Service Relocation [FACH] \$ 600 1 000 \$ 1505.00 New Water Service Relocation [FACH] \$ 600 1 000 \$ 1505.00 New Water Service Relocation [FACH] \$ 600 1 000 \$ 1505.00 New Water Service \$ 600 1 000 \$ 100.00 \$ 100.00 New Water Service \$ 600 1 000 \$ 100.00 \$ 100.00 New Water Service \$ 600 2 000 \$ 100.00 \$ 100.00 New Service Tap \$ 600 2 000 \$ 255.00 \$ 500.00 \$ 500.00 Seed and Match \$ 600 1 000 \$ 100.00 \$ 550.00 <td< td=""><td>32</td><td>Intake, Type "RCP Area"</td><td>EACH</td><td>2.000</td><td></td><td></td><td></td><td>\$2 180 00</td></td<>	32	Intake, Type "RCP Area"	EACH	2.000				\$2 180 00
New Year Service Robustion EACH 4 000 3 000 5 100 00 New Year Service Robustion EACH 4 000 4 000 5 100 00 Water Service Disconnection EACH 4 000 4 000 5 100 00 Water Service Disconnection EACH 4 000 4 000 5 100 00 Water Service Disconnection EACH 4 000 0 000 5 100 00 Water Service Disconnection EACH 4 000 0 000 5 100 00 New Experiment and Place CV 1 5 000 2 000 5 5 00 Recommendation EACH 4 000 1 000 5 000 Seed and Mulcin EACH 1 000 1 5 00 5 5 00 Stock Seed and Mulcin EACH 1 000 1 000 5 5 00 Stock Seed and Mulcin EACH 1 000 1 000 5 5 00 Project Signa Small EACH 1 000 1 000 1 000 5 5 00 Connection of Existing Tile EACH 1 000 1 000 1 000	33	Sanitary Sewer Service Relocation	EACH	5.000			•	\$100.00
New Water Services EACH 4 000 1 000 5100 00 Water Services Water Services EACH 4 000 1 000 5100 00 Water Service Ing Water Service Ing EACH 4 000 0 000 5100 00 Treatment Service Ing Text 2 000 2 000 5250 00 5250 00 Treatment Service Ing Text 1 000 0 000 5200 5250 00 Seed and Mulch American CY 135 000 0 200 5200 5200 Seed and Mulch American ACR 1 000 0 000 1500 5200 Feel and Mulch American ACR 1 000 0 000 5200 5200 Prince Centred Dray 1 500 0 000 1 000 5200 5200 Prince Centred Text 1 000 1 000 1 000 5200 5200 Recentry Seeling Text 1 000 1 000 1 000 5200 5200 Recentral Annual Text	34	Water Service Relocation	EACH	5.000				\$300.00
Water Service Disconnection EACH (1900) 4,000 4,000 5100 00 Tree Plenting Appace Lile, 2" CAL EACH (1900) 4,000 0,000 5100 00 Tree Plenting Appace Lile, 2" CAL EACH (1900) 0,000 0,000 550.00 Replet, Class D TON (1900) 10,000 0,000 550.00 550.00 Seel and Mulch ACRE (1900) 10,000 0,000 150.00 550.00 File States Seel and Mulch ACRE (1900) 10,000 10,000 550.00 Freel and Mulch ACRE (1900) 10,000 10,000 10,000 10,000 Project Sign, Small List (1900) 1,000 1,000 1,000 1,000 Mobility Class (1900) Mobility Class (1900) 1,000 1,000 1,000 1,000 Mobility Class (1900) Mobility Class (1900) 1,000 1,000 1,000 1,000 Mobility Class (1900) Mobility Class (1900) 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000	35	New Water Service	EACH	4.000				\$100.00
Water Schools CACAL 4 000 0 000 5100 00 Rep-Ray Class D CAL 2 000 2 000 520 00 Rep-Ray Class D 2 000 2 000 520 00 Town In the minth and Place CY 155 000 155 000 520 00 Sood Seed 8 52 8 55 00 55 00 Seed and Mulch ACRE 0 200 6 200 5 20 00 Progent Pennish and Place CY 15 000 6 200 5 50 00 Sood Train Counced 1 500 6 200 5 200 00 Progent Sing Sing and Mulch 1 500 1 500 1 500 5 500 00 Progent Sing Sing Sing and Mulch 1 500 1 500 1 500 5 500 00 Remove and Replace 21 in Surm Sewer EACH 0 000 1 500 1 500 5 500 00 Remove and Replace 21 in Surm Sewer EACH 0 000 1 500 1 500 5 500 00 Remove and Replace 21 in Surm Sewer EACH 0 000 1 500 5 500 00 Remove and Rep	36	Water Service Disconnection	EACH	4.000				\$400.00
The Plantial Jamase Lilan, 2" CAL EACH 2 000 2 000 550 0	37	Water Service Tap	EACH	4.000				\$0.00
New York Class D Cornection Control of Existing Manches Exercised Institute Control Control of Existing Linker Type ME EACH Cornection Classing Manches Exercised Institute Control Classing Linker Charled Sixth Reverse Charled Sixth Reverse Classing Linker Charled Sixth Reverse Classing Linker Charled Classing Linker Charled Sixth Reverse Classing Linker Charled Sixth Reverse Classing Linker Charled Classing Linker Charled Classing Linker Charled Sixth Reverse Classing Linker Charled	38	Tree Planting, Japanese Lilac, 2" CAL	EACH	2.000				\$500.00
OF The State of	39	Rip-Rap, Class D	TON	10.000				\$0.00
SKO SKO 68.66Z 68.68Z 55.00 Sked and Mulch Sked and Mulch ACKE 0.200 0.200 20.00 Flaggers Thingful Council 1.000 20.500 20.000 20.000 Project Sign, Small LS 1.000 1.000 20.500 25.000 Mobilization LS 1.000 1.000 20.000 20.000 Remove and Replace 21 in Stom LS 1.000 1.000 1.000 85.20.00 Concretion of Existing Tile LS 1.000 1.000 1.000 85.20.00 Concretion of Existing Tile LS 1.000 1.000 1.20.00 15.00 Concretion of Existing Tile LS 1.000 1.000 1.000 85.20.00 Concrete Collar EXCH 0.000 1.000 1.000 85.00.00 Excrete Collar EXCH 0.000 1.000 1.000 85.00.00 Excrete Excavation for M-D Inable Under Traffic EACH 0.000 1.000 1.000	40	Topsoil, Funish and Place	CY	135.000		135.000		\$3,375.00
Sted and Mulch ACRE 0 200 0 200 5 20 00 Flaggers Flaggers 1 300 1 000 20 500 20 500 Priggers Flaggers 2 000 1 000 1 000 1 000 Project Sign. Small EACH 2 000 2 000 2 000 5100 00 Mobilization of Existing Title FT 0 000 5 000 2 000 51000 Remove and Replace 21 in. Storm Sewer FT 0 000 57 000 57 000 55 00 Remove and Replace 21 in. Storm Sewer FT 0 000 57 000 57 000 57 000 Connection of Existing Title FT 0 000 1 000 57 000 57 000 Rem Or Stadio of North Side of Park Avenue EACH 0 000 1 000 57 000 57 000 Extra Excavation for M-D Intake Under Traffic EACH 0 000 1 000 57 00 57 00 Ramove Existing Intakes EACH 0 000 1 000 1 000 57 00 Additional Traffic Control EACH 0 000	41	Sod	SO	56.000				\$3,434.10
Finglet Countrol Finglet Cou	42	Seed and Mulch	ACRE	0.200			\$2	\$400.00
Tartific Countrol	43	Flaggers	DAY	15.000				\$12,300.00
Project Sign., Small Project Sign., Small	4	Traffic Control	LS	1.000			₩	\$6,794.00
Mobilization for Existing Tile	45	Project Sign, Small	EACH	2.000				\$200.00
Connection of Existing Tile FT 0 000 \$7000 \$50.00 Remove and Replace 21 in Storm Sower FT 0 000 12.500 \$150.40 Contraction of Remove and Replace 21 in Storm Sower EACH 0 000 1.000 \$150.00 Bern Grading on North Side of Park Avenue LS 0 000 1.000 \$1000 \$50.00 Extra Excavation for M-D Intake Under Traffic EACH 0 000 1.000 \$2.075.00 Instra Excavation for M-D Intake Under Traffic EACH 0 000 1.000 \$2.075.00 Remove Existing Intakes EACH 0 000 1.000 \$2.000.00 Additional Traffic Control LS 0.000 1.000 \$2.000.00 Secting and Clean Up Saw Existing Stab and Install New Boxouts EACH 0.000 1.000 \$2.000.00 Saw Existing Stab and Install New Boxouts LS 0.000 1.000 \$1.400.00 \$2.000.00 Tap into Existing Manhole Structure LS 0.000 1.000 \$1.000 \$1.000 \$1.000 \$1.000 \$1.000 \$1.000	46	Mobilization	rS	1.000				\$62,250.00
Remove and Replace 21 in. Storm Sewer FT 0,000 12,500 \$150.40 Bextra Candaing on North Side of Park Avenue 1.64 0,000 1,000 \$250.00 Bextra Excavation for M-D Intake Under Traffic EACH 0,000 1,000 \$2,00.00 Intake. Type M-E Remove Existing Intakes EACH 0,000 1,000 \$2,00.00 Remove Existing Intakes EACH 0,000 1,000 \$2,00.00 Remove Existing Intakes EACH 0,000 1,000 \$2,00.00 Swe Existing Intakes EACH 0,000 1,000 \$2,00.00 Swe Existing Amanbe Traffic Control LS 0,000 1,000 \$2,00.00 Swe Existing Manube Structure LS 0,000 1,000 \$3,00.00 Full Depth Parch with Overlay LS 0,000 1,000 \$3,000.00 Manubel. Type M-B LS 0,000 1,000 \$3,000.00 Water Plan Lower LS 0,000 1,000 \$3,000 Sweeting State and Install Noverlay LS 0,000	1.01	Connection of Existing Tile	FT	0.000				\$1,140.00
Concrete Collar EACH 0.000 1.000 \$250.00 Extern Grading on North Side of Park Avenue L.S 0.000 1.000 \$2.075.00 Extern Grading on North Side of Park Avenue L.S 0.000 1.000 \$2.075.00 Intake, Type M-E EACH 0.000 1.000 \$5.000.00 Remove Existing Intakes EACH 0.000 1.000 \$5.000.00 Additional Traffic Control L.S 0.000 1.000 \$5.000.00 Section and Clearly L.S 0.000 1.000 \$1.400.00 Section and Clearly L.S 0.000 1.000 \$1.400.00 Sewer Existing Slab and Install New Boxouts EACH 0.000 1.000 \$1.400.00 Sewer Existing Manhole Structure L.S 0.000 1.000 \$1.400.00 Teap into Existing Manhole Structure L.S 0.000 1.000 \$1.000 Teap into Existing Manhole Structure L.S 0.000 1.000 \$1.000 Manhole Type M-B Manhole Type M-B L.S 0.000	1.02	Remove and Replace 21 in. Storm Sewer	FT	0.000				\$1,880.00
Berm Grading on North Side of Park Avenue LS 0 000 1 000 \$700 0 Extra Excavation for M-D Intake Under Traffic EACH 0 000 3 000 \$2,075 00 Intake Exacting Intakes EACH 0 000 1 000 \$6,400.00 Remove Existing Intakes EACH 0 000 1 000 \$6,400.00 Additional Traffic Control LS 0 000 1 000 \$2,000.00 Seeding and Clean Up EACH 0 000 1 000 \$1,400.00 Saw Existing Intakes LS 0 000 1 000 \$1,400.00 Saw Existing Intakes LS 0 000 1 000 \$1,400.00 Saw Existing Intakes LS 0 000 1 000 \$1,400.00 Saw Existing Manhole Structure LS 0 000 1 000 \$1,000 \$2,000.00 Fall Depth Patch with Overlay LS 0 000 1 000 \$1,000 \$2,000.00 Manhole, Type M-IS LS 0 000 1 000 1 000 \$2,000.00 Severe Pipe Supports LS 0 000	1.03	Concrete Collar	EACH	0.000				\$250.00
EACH 0.000 3.000 3.000 \$2,075.00 Intake, Type M-E EACH 0.000 1.000 \$1,000 \$54,000.00 Additional Traffic Control LS 0.000 1.000 \$2,075.00 Additional Traffic Control LS 0.000 1.000 \$2,000.00 Seeding and Clean Up LS 0.000 1.000 \$2,000.00 Saw Existing Manhole Structure LS 0.000 1.000 \$3,000.00 Fall Depth actic with Overlay LS 0.000 1.000 \$3,000.00 Fall Depth actic with Overlay EACH 0.000 1.000 \$3,000.00 Manhole, Type M-B EACH 0.000 1.000 \$3,000.00 Water Main Lower LS 0.000 1.000 \$3,000.00 Sewer Pipe Supports EACH 0.000 1.000 \$3,000.00 Sewer Pipe Supports EACH 0.000 1.000 \$3,000 Abandous Storm Sewer Under 4420 Grand Avenue LS 0.000 1.000 \$1,000 \$3,000	2.01	Berm Grading on North Side of Park Avenue	LS	0.000				\$700.00
Intake, Type M-E EACH 0.000 1.000 56,400.00 S6,400.00 S6,400.00 S6,400.00 S6,400.00 S6,400.00 S6,400.00 S6,400.00 S6,400.00 S6,000.00 S6,000.00	2.02	Extra Excavation for M-D Intake Under Traffic	EACH	0.000				\$6,225.00
Remove Existing Intaless EACH 0.000 4.000 \$600.00 Additional Traffic Control LS 0.000 1.000 \$2,000.00 See-dain and Install New Boxouts EACH 0.000 4.000 \$7,000.00 Save Existing Shandole Structure LS 0.000 4.000 \$7,000.00 Tap into Existing Manhole Structure LS 0.000 1.000 \$7,000.00 Full Depth Patch with Overlay LS 0.000 1.000 \$3,000.00 Manhole, Type M-B EACH 0.000 3.000 \$3,000.00 Sewet Main Lower LS 0.000 1.000 \$3,000.00 Sawcut Parchaent LF 0.000 1.000 \$5,800.00 Sawcut Parchaent LF 0.000 1.000 \$5,800.00 Abandon Storm Sewer Under 4420 Grand Avenue LF 0.000 1.000 \$1,000 \$5,000 Mobilization for Paving Ideh Street LS 0.000 1.000 1.000 \$1,000 \$1,000 \$1,000 \$1,000 \$1,000 \$1,000	2.03	Intake, Type M-E	EACH	0.000				\$6,400.00
Additional Traffic Control LS 0.000 1.000 \$2,000.00 Seeding and Clean Up LS 0.000 1.000 \$1,400.00 Saw Existing Sab and Install New Boxouts EACH 0.000 1.000 \$1,400.00 Tap into Existing Manhole Structure LS 0.000 1.000 \$1,000 \$2,000.00 Full Depito Existing Manhole Structure LS 0.000 1.000 \$1,000 \$2,000.00 Full Depito Existing Manhole Structure LS 0.000 1.000 \$3,000 \$3,000.00 Manhole, Type M-B Water Main Lower LS 0.000 1.000 \$3,000.00 \$3,000	2.04	Remove Existing Intakes	EACH	0.000				\$2,400.00
Seeding and Clean Up LS 0.000 1.000 \$1,400.00 \$1	2.05	Additional Traffic Control	LS	0.000			\$	\$2,000.00
Saw Existing Slab and Install New Boxouts EACH 0.000 4.000 5700.00 Tap into Existing Manhole Structure LS 0.000 1.000 53,000.00 Full Depth Patch with Overlay LS 0.000 1.000 53,000.00 Manhole, Type M-B EACH 0.000 3.000 53,800.00 \$3,000 Sewer Pire Supports EACH 0.000 1.000 53,800.00 \$5,800.00 Sewer Pire Supports EACH 0.000 1.000 \$5,000.00 \$5,000.00 Saweur Pavement LF 0.000 1.000 \$1,000 \$5,000.00 HMA Pavement LS 0.000 1.000 1.000 \$1,700.00 Minor Cleaning/But Joints LS 0.000 1.000 \$1,700.75 Mobilization for Paving 16th Street LS 0.000 1.000 \$1,700.75 Work as described, 4400 Park Ave LS 0.000 1.000 \$4,650.00 Removal of Pine Tree LS 0.000 1.000 \$1,000 \$5,725.00 Shoulder	2.06	Seeding and Clean Up	LS	0.000				\$1,400.00
Tap into Existing Manhole Structure LS 0.000 1.000 \$5,000.00 Full Depth Patch with Overlay LS 0.000 1.000 \$1,000 \$5,000.00 Manhole, Type M-B EACH 0.000 1.000 \$5,800.00 \$5,800.00 Water Main Lower LS 0.000 1.000 \$5,800.00 \$5,800.00 Sewer Pipe Supports EACH 0.000 1.000 \$5,800.00 \$5,800.00 Sawcut Pavement LF 0.000 125,500 \$5,00 \$5,00 Abandon Storm Sewer Under 4420 Grand Avenue LS 0.000 1.000 \$1,700.75 \$5,00 Minor Cleaning/Butt Joints LS 0.000 1.000 \$1,700.75 \$1,700.75 Mobilization for Paving 16th Street LS 0.000 1.000 \$1,700.75 \$1,700.75 Work as described, 4400 Park Ave LS 0.000 1.000 \$1,000 \$5,50.00 Shoulder Work on 16th Street LS 0.000 1.000 1.000 \$7,725.00	2.07	Saw Existing Slab and Install New Boxouts	EACH	0.000				\$2,800.00
Full Depth Patch with Overlay LS 0.000 1.000 \$4,000.00 Mamhole, Type M-B EACH 0.000 3.000 \$3,800.00 \$3,800.00 Water Main Lower LS 0.000 1.000 1.000 \$5,800.00 Sewer Pipe Supports EACH 0.000 1.000 3.000 \$5,800.00 Sawcut Pavement LF 0.000 1.25.50 \$5.00 \$5.00 Abandon Storm Sewer Under 4420 Grand Avenue LS 0.000 1.000 \$5.00 \$5.00 HMA Pavement LS 0.000 1.000 \$1.00 \$5.00 \$5.00 Mobilization for Paving 16th Street LS 0.000 1.000 \$1.000	3.01	Tap into Existing Manhole Structure	LS	0.000				\$3,000.00
Manhole, Type M-B EACH 0.000 3.000 \$3.800.00 \$3.800.00 Water Main Lower LS 0.000 1.000 \$5.800.00 Sewer Pipe Supports EACH 0.000 3.000 \$5.800.00 Sawcut Pavement LF 0.000 125.500 \$5.00 Abandon Storm Sewer Under 4420 Grand Avenue LS 0.000 1.000 \$4.700.00 HMA Pavement TON 0.000 1.000 \$1.000 \$1.000 \$1.000 Minor Cleaning/Butt Joints LS 0.000 1.000 \$1.000 \$1.200.00 Work as described, 4400 Park Ave LS 0.000 1.000 \$1.000 \$1.000 Removal of Pine Tree LS 0.000 1.000 \$1.000 \$5.50.00 Shoulder Work on 16th Street LS 0.000 1.000 \$7.725.00	3.02	Full Depth Patch with Overlay	LS	0.000	1.000			\$4,000.00
Water Main Lower LS 0.000 1.000 \$5,800.00 Sewer Pipe Supports 2.000 3.000 \$5,800.00 Sawcut Pavement LF 0.000 125.500 \$5.00 Abandon Storm Sewer Under 420 Grand Avenue LS 0.000 1.000 \$4,700.00 HMA Pavement TON 0.000 193.440 \$1,007.5 \$1 Minor Cleaning/Butt Joints LS 0.000 1.000 \$1,700.75 \$1 Mobilization for Paving 16th Street LS 0.000 1.000 \$1,000 \$1,000 \$1,000 Work as described, 4400 Park Ave LS 0.000 1.000 \$4,550.00 \$4,550.00 Removal of Pine Tree LS 0.000 1.000 \$5,550.00 \$550.00 Shoulder Work on 16th Street LS 0.000 1.000 \$7,725.00 \$7,725.00	3.03	Manhole, Type M-B	EACH	0.000				\$11,400.00
Sewer Pipe Supports EACH 0.000 3.000 \$50.00 Sawcut Pavement LF 0.000 125.500 \$5.00 Abandon Storm Sewer Under 4420 Grand Avenue LS 0.000 1.000 \$1.000 \$4,700.00 HMA Pavement TON 0.000 193.440 \$109.65 \$\$ Minor Cleaning/Butt Joints LS 0.000 1.000 \$1,700.75 \$\$ Mobilization for Paving 16th Street LS 0.000 1.000 \$1,000 \$1,000 \$\$,4,50.00 Work as described, 4400 Park Ave LS 0.000 1.000 \$1,000 \$5,000 Removal of Pine Tree LS 0.000 1.000 1.000 \$5,000 Shoulder Work on 16th Street LS 0.000 1.000 \$7,725.00	5.01	Water Main Lower	rs	0.000				\$5,800.00
Sawcut Pavement LF 0.000 125.500 \$5.00 Abandon Storm Sever Under 4420 Grand Avenue LS 0.000 1.000 1.000 \$4,700.00 HMA Pavement TON 0.000 193.440 \$109.65 \$\$ Minor Cleaning/Butt Joints LS 0.000 1.000 \$1,700.75 \$\$ Mobilization for Paving 16th Street LS 0.000 1.000 \$1,200.00 \$\$ Removal of Pine Tree LS 0.000 1.000 \$\$50.00 \$\$ Shoulder Work on 16th Street LS 0.000 1.000 \$\$7,725.00	5.02	Sewer Pipe Supports	EACH	0.000				\$1,500.00
Abandon Storm Sewer Under 4420 Grand Avenue L.S 0.000 1.000 \$4,700.00 HMA Pavement TON 0.000 193.440 \$10.06.5 \$1,700.75 Minor Cleaning/Butt Joints L.S 0.000 1.000 \$1,700.75 \$1,700.75 Mobilization for Paving 16th Street L.S 0.000 1.000 \$1,200.00 \$1,200.00 Work as described, 4400 Park Ave L.S 0.000 1.000 \$4,650.00 \$550.00 Removal of Pine Tree L.S 0.000 1.000 \$7,725.00 \$7,725.00	6.01	Sawcut Pavement	LF	0.000	12	12		\$627.50
HMA Pavement TON 0.000 193.440 \$109.65 \$ Minor Cleaning/Butt Joints LS 0.000 1.000 1.000 \$1,700.75 Mobilization for Paving 16th Street LS 0.000 1.000 \$1,000 \$1,200.00 Work as described, 4400 Park Ave LS 0.000 1.000 \$4,650.00 Removal of Pine Tree LS 0.000 1.000 \$550.00 Shoulder Work on 16th Street LS 0.000 1.000 \$7,725.00	6.02	Abandon Storm Sewer Under 4420 Grand Avenue	LS	0.000				\$4,700.00
Minor Cleaning/Butt Joints L.S 0.000 1.000 \$1,706.75 Mobilization for Paving 16th Street L.S 0.000 1.000 1.000 \$1,200.00 Work as described, 4400 Park Ave L.S 0.000 1.000 1.000 \$4,650.00 Removal of Pine Tree L.S 0.000 1.000 \$550.00 Shoulder Work on 16th Street L.S 0.000 1.000 \$7,725.00	7.01	HMA Pavement	TON	0.000	193.440	193.440		\$21,210.70
Mobilization for Paving 16th Street L.S 0.000 1.000 \$1,200.00 Work as described, 4400 Park Ave L.S 0.000 1.000 \$4,650.00 Removal of Pine Tree L.S 0.000 1.000 \$550.00 Shoulder Work on 16th Street L.S 0.000 1.000 \$7,725.00	7.02	Minor Cleaning/Butt Joints	LS	0.000	1.000			\$1,700.75
Work as described, 4400 Park Ave LS 0.000 1.000 \$4,650.00 Removal of Pine Tree LS 0.000 1.000 \$550.00 Shoulder Work on 16th Street LS 0.000 1.000 \$7,725.00	7.03	Mobilization for Paving 16th Street	TS	0.000	1.000			\$1,200.00
Removal of Pine Tree LS 0.000 1.000 \$550.00 Shoulder Work on 16th Street LS 0.000 1.000 \$7,725.00	8.01	Work as described, 4400 Park Ave	LS	0.000				\$4,650.00
Shoulder Work on 16th Street	9.01	Removal of Pine Tree	LS	0.000	1.000			\$550.00
	10.01	Shoulder Work on 16th Street	LS	0.000	1.000	I		\$7,725.00
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LINE NO. DESCRIPTION	UNIT ESTIMATED AUTHORIZED	CONSTRUCTED TO DATE	UNIT PRICE	TOTAL AMOUNT
			-	
TOTAL CONTRACT AMOUNT IN THE CULANCE CONTRACT				
TOTAL CONTINACT AMOUNT PLUS CHANGE URDERS	\$531,930.63			
PARTIAL PAYMENT #1	\$152,242.14			
PARTIAL PAYMENT #2	\$19,138.47			
PARTIAL PAYMENT #3	\$99,338.65			
PARTIAL PAYMENT #4	\$105,638.58			
PARTIAL PAYMENT #5	\$54,616.63			
PARTIAL PAYMENT #6	\$34,184.57			
PARTIAL PAYMENT #7	\$27,750.01			
THIS PARTIAL PAYMENT	\$12,425.05			
TOTAL PARTIAL PAYMENTS	\$505,334.10			
BALANCE	\$26,596.53			
(TOTAL		\$531,930.63
		RETAINAGE		\$26,596.53
PREPARED BY: pula de lumb		TOTAL LESS RETAINAGE	TAINAGE	\$505,334.10
		LESS PREVIOUS PAYMENT	S PAYMENT	\$492,909.05
mith no. In a low		AMOUNT DUE		\$12,425.05
CHECKED BY: II ROUND TIES COULD				

FINAL PAYMENT (PAYMENT #8)