

DATE April 21, 2008

**ACCEPTING COMPLETED CONSTRUCTION AND APPROVING FINAL PAYMENT FOR SOUTHEAST RIDGE TRUNK SANITARY SEWER - PHASE 2B & PUMP STATION, 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 Southeast Ridge Trunk Sanitary Sewer - Phase 2B & Pump Station, 07-2005-018, in accordance with the contract approved between The Underground Company, Ltd., Duane Burkhardt, President, 12245 Dakota Street, Carlisle, IA 50047, under Roll Call No. 05-3049, of December 19, 2005, 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 \$1,188,844.59 is the total cost, of which \$1,107,713.55 has been paid the Contractor, and \$21,688.81 is now due and is hereby approved as final partial payment for the above project, the remaining balance of \$59,442.23 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.

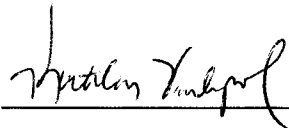
BE IT FURTHER RESOLVED: That the Engineering Department be and is hereby authorized and directed to notify all persons and firms with outstanding Chapter 573 claims against said project, that the project has been given final acceptance as completed by this City Council, that they have 60 days from such 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 City Manager be and is hereby authorized and directed to certify the Pollution Prevention Plan Inspection Summary and the NPDES Stormwater General Permit Notice of Discontinuation for the above referenced project on behalf of the City of Des Moines and submit said documents to the Iowa Department of Natural Resources.

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.

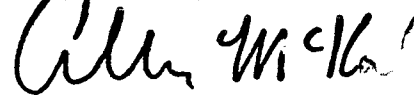
Moved by \_\_\_\_\_ to adopt.

FORM APPROVED:



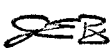
Kathleen Vanderpool  
Deputy City Attorney

FUNDS AVAILABLE



BCB

Allen McKinley  
Des Moines Finance Director



Funding Source: 2008-2009 CIP, Page Sanitary-14, Southeast Ridge Trunk Sanitary Sewer, SAE120, Sanitary Sewer Funds

★ **Roll Call Number**

\_\_\_\_\_

**Agenda Item Number**

11 B

DATE April 21, 2008

COUNCIL ACTION	YEAS	NAYS	PASS	ABSENT
COWNIE				
COLEMAN				
HENSLEY				
KIERNAN				
MAHAFFEY				
MEYER				
VLASSIS				
TOTAL				

MOTION CARRIED

APPROVED

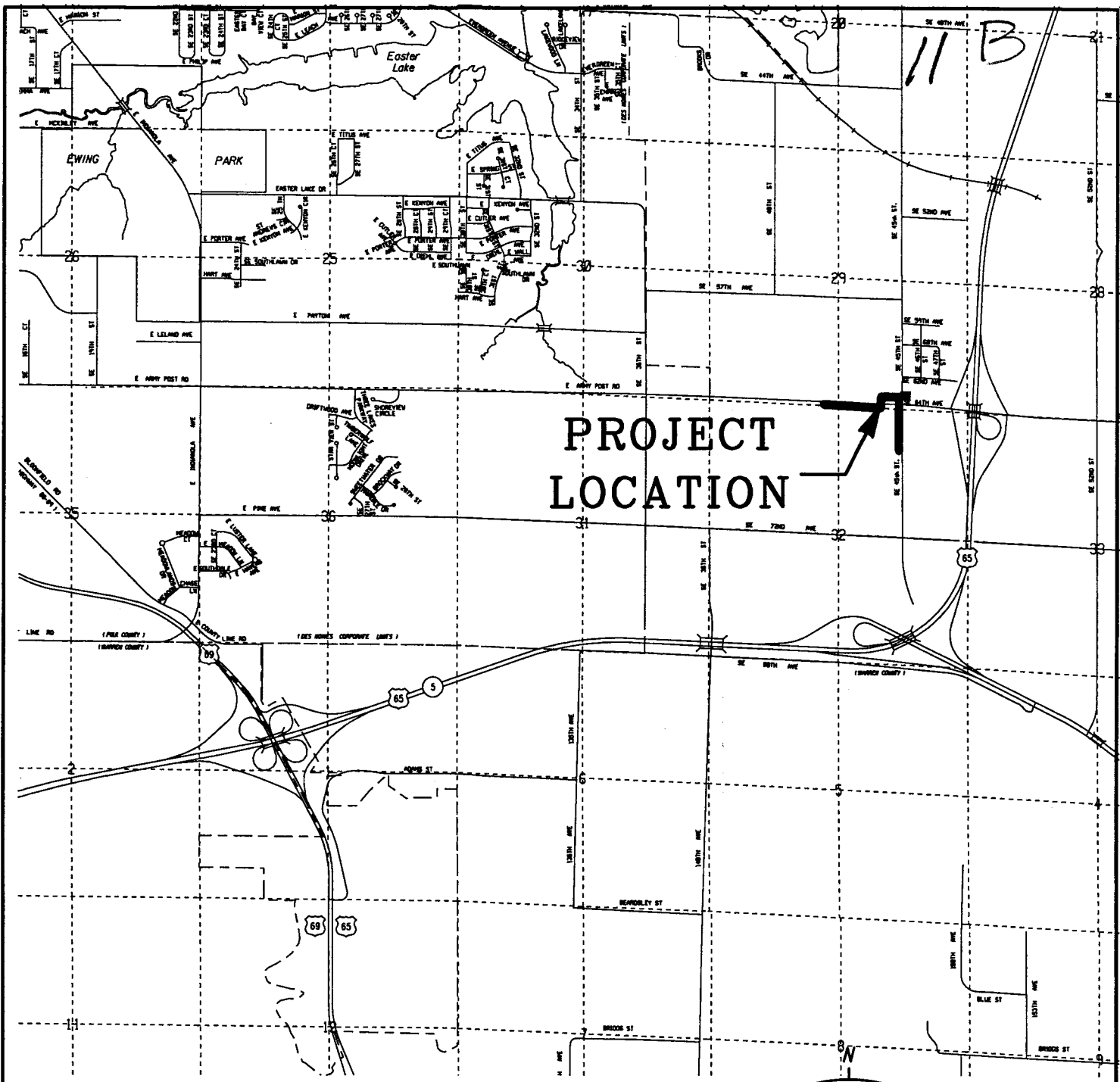
\_\_\_\_\_  
Mayor

I, Diane Rauh, City Clerk of said City Council, hereby certify that at a meeting of the City Council, 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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# S.E. RIDGE TRUNK SANITARY SEWER PHASE 2B & PUMP STATION ACTIVITY I.D. 07-2005-018

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# PROJECT SUMMARY

## SE Ridge Sewer Phase 2B & Pump Station

### Activity ID 07-2005-018

On December 19, 2005, under Roll Call No. 05-3049, the City Council awarded the contract for the above improvement to The Underground Company, Ltd., in the amount of \$1,145,127.10 to construct a 3.0 MGD sanitary sewer lift station, 1650 LF of 12" forcemain and approximately 2200 LF of sanitary sewer ranging in size from 8" to 16", including approximately 600 LF of tunneling and encasement, surface restoration and other related items.

Tabulated below is a history of project change orders.

<u>Change Order No.</u>	<u>Description</u>	<u>Initiated By</u>	<u>Amount</u>
1	8/21/2006 Special construction techniques are required in an isolated area found to have very unstable soil conditions to provide a stable base for sewer construction	Consultant	\$76,200.00
2	6/28/2007 Load and export to a disposal site, miscellaneous concrete and wood debris that was encountered during excavation of the gravity sewer trench.	Engineering	\$4,000.00
3	9/25/2007 Adjust contract quantities to match as-constructed quantities and add landscape plantings as requested by Polk County during their site plan review process.	Engineering	(\$36,482.51)
<b>Original Contract Amount</b>			\$1,145,127.10
<b>Total Change Orders</b>			\$43,717.49
<b>Percent of Change Orders to Original Contract</b>			3.82%
<b>Final Contract Amount</b>			\$1,188,844.59

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April 21, 2008

**CERTIFICATION OF COMPLETION**

**AGENDA HEADING:**

Accepting completed construction and approving final payment for the Southeast Ridge Trunk Sanitary Sewer - Phase 2B & Pump Station, 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: \$1,188,844.59 As-Built Contract Cost

Funding Source: 2008-2009 CIP, Page Sanitary-14, Southeast Ridge Trunk Sanitary Sewer, SAE120, Sanitary Sewer Funds

**CERTIFICATION OF COMPLETION:**

On December 19, 2005, under Roll Call No. 05-3049, 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:

Southeast Ridge Trunk Sanitary Sewer - Phase 2B & Pump Station, 07-2005-018

Construction of a 3.0 MGD sanitary sewage lift station, 1650 LF of 12 " forcemain, 2200 LF of 8" to 16" gravity sewer, including approximately 600 LF of tunneling, surface restoration and other related items, all in accordance with the contract documents including Plan File No. 458 - 149/171. This project is located near the intersection of Army Post Road and SE 45th Street at the southeast edge of the Des Moines City limits

I hereby certify that the construction of said Southeast Ridge Trunk Sanitary Sewer - Phase 2B & Pump Station, Activity ID 07-2005-018, 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 February 21, 2006, and was completed on April 14, 2008.



ENGINEERING DEPARTMENT  
CITY HALL  
400 ROBERT D. RAY DRIVE  
DES MOINES, IOWA 50309-1891  
(515) 283-4920  
FAX (515) 283-4112

ALL-AMERICA CITY  
1949, 1976, 1981  
2003

I further certify that \$1,188,844.59 is the total cost of said improvement, of which \$1,107,713.55 has been paid the Contractor and \$21,688.81 is now due and is hereby approved as final partial payment for the above project, the remaining balance of \$59,442.23 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.

A handwritten signature in black ink, appearing to read "Jeb E. Brewer". The signature is fluid and cursive, with a small flourish at the end.

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

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**ESTIMATE OF CONSTRUCTION COMPLETED**

ACTIVITY ID 07-2005-018

FOR WORK DONE FROM 08/21/07 to 10/25/07

**PARTIAL PAYMENT NO. 9 and FINAL**

DATE: November 15, 2007

**OWNER:** City of Des Moines, Iowa

**PROJECT:** Southeast Ridge Trunk Sanitary Sewer - Phase 2B & Pump Station

**Partial Payment 9 and Final**

**CONTRACTOR:** The Underground Company, Ltd.

LINE NO.	DESCRIPTION	UNIT	UNITS			UNIT PRICE	TOTAL AMOUNT
			ESTIMATED	AUTHORIZED	CONSTRUCTED TO DATE		
1	Traffic Control	LS	1.000	1.000	1.000	\$3,045.00	\$3,045.00
2	Construction Staking	LS	1.000	1.000	1.000	\$5,775.00	\$5,775.00
3	Clearing and Grubbing	AC	1.000	1.000	1.000	\$16,500.00	\$16,500.00
4	Sanitary Sewer, 10"	LF	488.000	467.446	467.446	\$87.26	\$40,789.34
5	Sanitary Sewer, 15"	LF	652.000	642.768	642.768	\$91.46	\$58,787.56
6	Sanitary Sewer, 16" D.I.	LF	255.000	262.430	262.430	\$118.76	\$31,166.19
7	Force Main, 12"	LF	1,368.000	1,368.000	1,368.000	\$45.00	\$61,560.00
8	Force Main, 12" By Directional Drilling	LF	180.000	180.000	180.000	\$111.65	\$20,097.00
9	Tunneling, 24" Steel Casing & 10" Sanitary Sewer Carrier Pipe	LF	100.000	100.000	100.000	\$284.00	\$28,400.00
10	Tunneling, 24" Steel Casing & 12" Force Main Carrier Pipe	LF	100.000	100.000	100.000	\$303.00	\$30,300.00
11	Tunneling, 30" Steel Casing & 15" Sanitary Sewer Carrier Pipe	LF	310.000	310.000	310.000	\$315.00	\$97,650.00
12	Sanitary Sewer, 16" Creek Crossing	LF	100.000	100.000	100.000	\$450.70	\$45,070.00
13	Sanitary Manhole, 48" Type A	EA	9.000	9.000	9.000	\$3,236.00	\$29,124.00
14	Video Inspection	LF	1,905.000	1,905.000	1,905.000	\$2.90	\$5,524.50
15	Trench Stabilization	TON	700.000	0.000	0.000	\$24.40	\$0.00
16	Granular Surfacing	TON	45.000	0.000	0.000	\$22.30	\$0.00
17	Rip Rap	TON	250.000	250.000	250.000	\$40.65	\$10,162.50
18	Drain Tile Repair	EA	400.000	0.000	0.000	\$40.00	\$0.00
19	Erosion Control	LS	1.000	1.000	1.000	\$13,125.00	\$13,125.00
20	Silt Fence	LF	2,200.000	2,200.000	2,200.000	\$5.80	\$12,760.00
21	Seeding	AC	4.900	4.900	4.900	\$2,100.00	\$10,290.00
22	Mulching	AC	9.800	4.900	4.900	\$315.00	\$1,543.50
23	Concrete Spillway Removal	LS	1.000	1.000	1.000	\$3,850.00	\$3,850.00
24	Dewatering	LS	1.000	1.000	1.000	\$1,050.00	\$1,050.00
25	Pump Station	LS	1.000	1.000	1.000	\$521,800.00	\$521,800.00
26	Pump Station Pumps & Associated Equipment	LS	1.000	1.000	1.000	\$59,375.00	\$59,375.00
	<b>CHANGE ORDER ITEMS</b>						
101	Trench reinforcement for unstable pond bottom	LS	1.000	1.000	1.000	\$76,200.00	\$76,200.00
201	Debris, Load and Export	HR	10.000	9.125	9.125	\$400.00	\$3,650.00
301	Pump Station Site Landscape Plantings	LS	1.000	1.000	1.000	\$1,250.00	\$1,250.00

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**PROJECT:** Southeast Ridge Trunk Sanitary Sewer - Phase 2B & Pump Station  
**CONTRACTOR:** The Underground Company, Ltd.

Partial Payment 9 and Final

LINE NO.	DESCRIPTION	UNIT	UNITS			UNIT PRICE	TOTAL AMOUNT
			ESTIMATED	AUTHORIZED	CONSTRUCTED TO DATE		
	TOTAL CONTRACT AMOUNT PLUS CHANGE ORDERS		\$1,188,844.59				
	THIS PARTIAL PAYMENT		\$21,688.81				
	TOTAL PARTIAL PAYMENTS		\$1,129,402.36				
	BALANCE		\$59,442.23				
	Percent Complete	100%					

PREPARED BY: *Christoffer Pedersen*  
 Snyder & Associates

CHECKED BY: *Charles A. Spahr*  
 City of Des Moines

ACCEPTED BY: *Brian A. Warren*  
 The Underground Company, Ltd.

TOTAL	\$1,188,844.59	✓
RETAINAGE	\$59,442.23	✓
TOTAL LESS RETAINAGE	\$1,129,402.36	✓
LESS PREVIOUS PAYMENTS	\$1,107,713.55	✓
<b>AMOUNT DUE</b>	<b>\$21,688.81</b>	✓

Partial Payment 9 and Final

**SUMMARY TO-DATE**

**CHANGE ORDERS**

NUMBER	DATE	AMOUNT
1	07/31/06	\$76,200.00
2	05/14/07	\$4,000.00
3	08/20/07	-\$36,482.51

**PARTIAL PAYMENTS**

NUMBER	DATE	AMOUNT
1	03/15/06	\$53,370.12
2	04/10/06	\$124,811.98
3	05/16/06	\$295,371.85
4	06/19/06	\$140,727.30
5	07/26/06	\$58,321.21
6	09/18/06	\$175,972.01
7	10/30/06	\$141,822.08
8	11/28/06	\$117,317.00