

DATE May 7, 2007

ACCEPTING COMPLETED CONSTRUCTION AND APPROVING FINAL PAYMENT FOR SOUTHEAST RIDGE TRUNK SANITARY SEWER - PHASE 1, RASCH CONSTRUCTION INC.

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 1, 07-2003-010, in accordance with the contract approved between Rasch Construction Inc., Joel K. Rasch, Vice President/CEO, 1828 Johnson Avenue, Fort Dodge, IA 50501, under Roll Call No. 04-2787, of December 20, 2004, 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 \$2,465,126.47 is the total cost, of which \$2,341,870.15 has been paid the Contractor, and \$0.00 is now due and is hereby approved as final partial payment for the above project, the remaining balance of \$123,256.32 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.

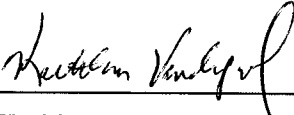
BE IT FURTHER RESOLVED: That the Engineering Department be and is hereby authorized and directed to notify all persons and firms with outstanding Chapter 573 claims against said project, that the project has been given final acceptance as completed by this City Council, that they have 60 days from such 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.

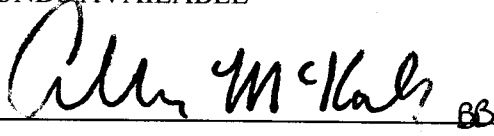
BE IT FURTHER RESOLVED: That the Des Moines Finance Director be and is hereby authorized to release said retainage if suit is not filed as above provided.


Moved by _____ to adopt.

FORM APPROVED:

FUNDS AVAILABLE


Kathleen Vanderpool
Deputy City Attorney


Allen McKinley
Des Moines Finance Director

 Funding Source: 2007-2008 CIP, Page Sanitary-15, Southeast Ridge Trunk Sanitary Sewer, SAE120, Sanitary Sewer Funds

★ Roll Call Number

Agenda Item Number

10

Date May 7, 2007

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

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.

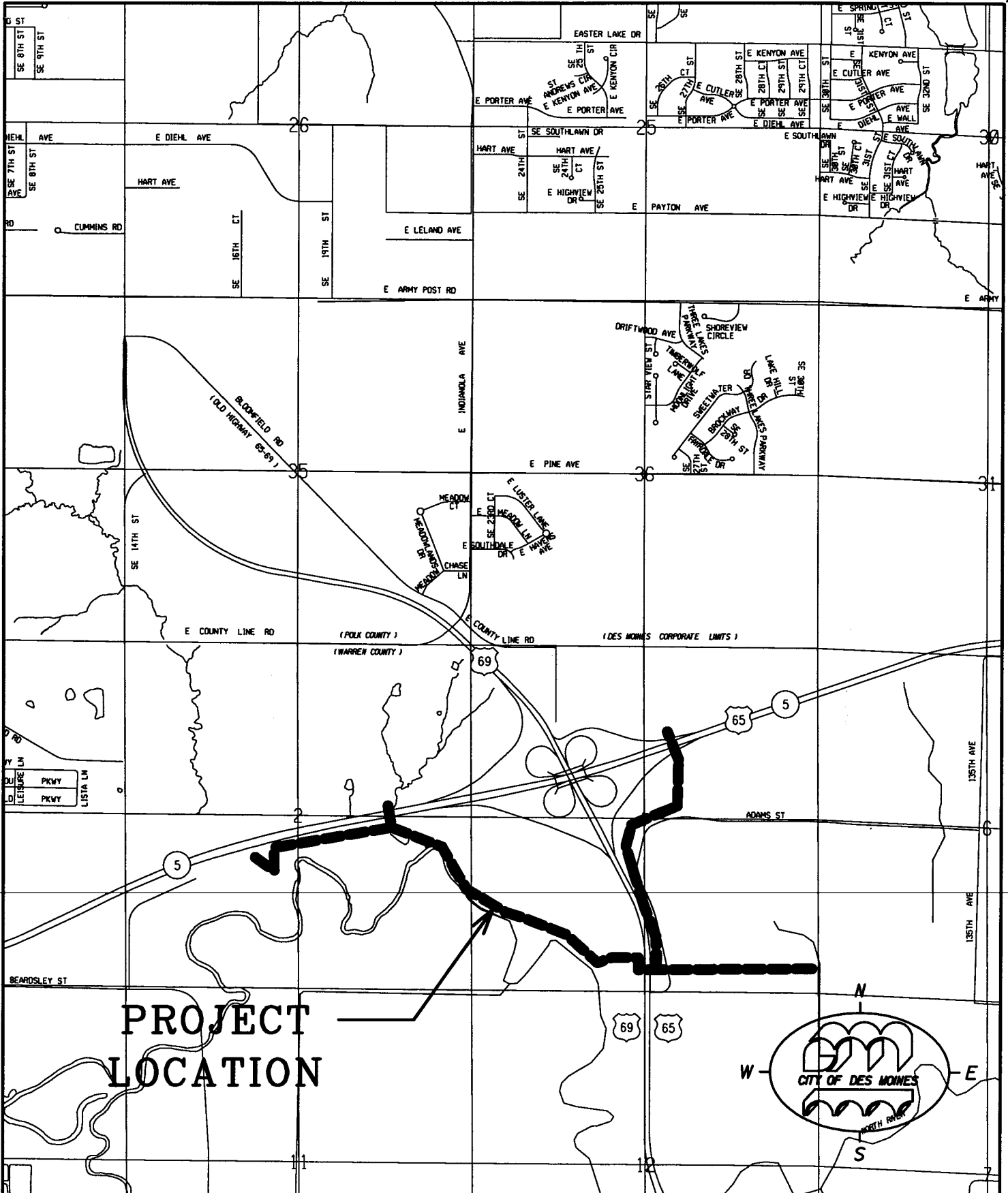
MOTION CARRIED

APPROVED

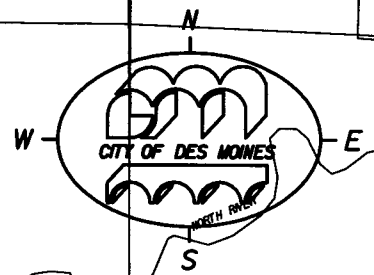
Mayor

City Clerk

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**PROJECT
LOCATION**



**S.E. RIDGE TRUNK SANITARY SEWER
PHASE 1
ACTIVITY I.D. 07-2003-010**

PROJECT SUMMARY

SE Ridge Trunk Sanitary Sewer Phase 1

Activity ID 07-2003-010

On December 20, 2004, under Roll Call No. 04-2787, the City Council awarded the contract for the above improvement to Rasch Construction, Inc., in the amount of \$2,263,970.00 to construct approximately 15,000 LF of sanitary sewer ranging in size from 8" to 36", including approximately 1,400 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	3/22/2005 Construct reinforced concrete slab to protect high pressure gas line as required by utility. Implement other miscellaneous modifications to sewer piping and structures for ease of construction or to accommodate changed field conditions.	User	\$9,290.00
2	3/22/2005 Stabilize trench backfill material and provide clay liner in the wastewater equalization basins that were being crossed.	Contractor	\$9,420.40
3	8/22/2005 Add additional Trench Stabilization rock to the contract because unstable soils were encountered at a significantly greater quantity that was anticipated. Provide additional compensation to the directional boring subcontractor for costs related to unforeseen demolition debris encountered deep beneath the embankment for the overpass structure of US Hwy 65/ Iowa Hwy 5.	Engineering	\$60,098.00
4	8/22/2005 Add steel sheet piling to stabilize the soil in an area that is experiencing slip plane failure. This condition was not foreseen and was undetected by soil boring in the immediate vicinity. The Contract Completion Provisions for this contract are and the new contract completion date is established as October 15, 2005.	Engineering	\$83,119.50
5	9/28/2006 Add silt fence quantity required to replace fence damaged by flooding.	Engineering	\$9,600.00

<u>Change Order No.</u>	<u>Description</u>	<u>Initiated By</u>	<u>Amount</u>
6	10/17/2006 Adjust Granular Surfacing and Silt Fence quantities for maintenance of facilities during construction of this project.	Engineering	\$9,854.00
7	1/11/2007 Adjust contract quantities to match as-constructed quantities and add earthwork items to deal with unforeseen unstable soil conditions.	Contractor	\$9,874.57
8	1/30/2007 Add shale excavation and rock excavation items, plus a negotiated settlement for a City of Des Moines claim for actual damages related to expenses associated with excessive time by the contractor to complete punchlist items.	Contractor	\$9,900.00
Original Contract Amount			\$2,263,970.00
Total Change Orders			\$201,156.47
Percent of Change Orders to Original Contract			8.89%
Final Contract Amount			\$2,465,126.47

May 7, 2007

CERTIFICATION OF COMPLETION

AGENDA HEADING:

Accepting completed construction and approving final payment for the Southeast Ridge Trunk Sanitary Sewer - Phase 1, Rasch Construction Inc..

SYNOPSIS:

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

FISCAL IMPACT:

Amount: \$2,465,126.47 As-Built Contract Cost

Funding Source: 2007-2008 CIP, Page Sanitary-15, Southeast Ridge Trunk Sanitary Sewer, SAE120, Sanitary Sewer Funds

CERTIFICATION OF COMPLETION:

On December 20, 2004, under Roll Call No. 04-2787, the City Council awarded a contract to Rasch Construction Inc., Joel K. Rasch, Vice President/CEO, 1828 Johnson Avenue, Fort Dodge, IA 50501 for the construction of the following improvement:

Southeast Ridge Trunk Sanitary Sewer - Phase 1, 07-2003-010

Construction of approximately 15,000 LF of sanitary sewer ranging in size from 8" to 36", including approximately 1,400 LF of tunneling and encasement, surface restoration and other related items, all in accordance with the contract documents including Plan File No. 442-33/54, and located south of Des Moines near the intersection of US Highways 65/69 and State Highway 5, including an area one mile west and one mile south of the intersection.

I hereby certify that the construction of said Southeast Ridge Trunk Sanitary Sewer - Phase 1, Activity ID 07-2003-010, 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 January 31, 2005, and was completed on April 25, 2007.



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 \$2,465,126.47 is the total cost of said improvement, of which \$2,341,870.15 has been paid the Contractor and \$0.00 is now due and is hereby approved as final partial payment for the above project, the remaining balance of \$123,256.32 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 mark at the end.

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

ESTIMATE OF CONSTRUCTION COMPLETED

FOR WORK DONE FROM 02/01/2007 to 03/30/2007

PARTIAL PAYMENT NO. 11 and FINAL

ACTIVITY ID 07-2003-010

DATE: April 16, 2007

OWNER: City of Des Moines, Iowa

PROJECT: Southeast Ridge Trunk Sanitary Sewer-Phase 1

CONTRACTOR: Rasch Construction, Inc.

COPY

Partial Payment 11 and FINAL

LINE NO.	DESCRIPTION	UNIT	UNITS			UNIT PRICE	TOTAL AMOUNT
			ESTIMATED	AUTHORIZED	CONSTRUCTED TO DATE		
1	Traffic Control	LS	1.000	1.000	1.000	\$1,500.00	\$1,500.00
2	Construction Staking	LS	1.000	1.000	1.000	\$9,350.00	\$9,350.00
3	Clearing and Grubbing	AC	7.700	7.700	7.700	\$4,000.00	\$30,800.00
4	Sanitary Sewer, 8"	LF	70.000	64.400	64.400	\$30.00	\$1,932.00
5	Sanitary Sewer, 12"	LF	3,660.000	3,574.300	3,574.300	\$40.00	\$142,972.00
6	Sanitary Sewer, 30"	LF	2,620.000	2,625.500	2,625.500	\$79.00	\$207,414.50
7	Sanitary Sewer, 36"	LF	7,000.000	7,022.700	7,022.700	\$124.00	\$870,814.80
8	Tunneling, 16" Steel Casing & 8" Carrier Pipe	LF	600.000	600.000	600.000	\$200.00	\$120,000.00
9	Tunneling, 24" Steel Casing & 12" Carrier Pipe	LF	600.000	600.000	600.000	\$210.00	\$126,000.00
10	Tunneling, 48" Steel Casing & 30" Carrier Pipe	LF	330.000	340.000	340.000	\$600.00	\$204,000.00
11	Tunneling, 48" Steel Casing & 36" Carrier Pipe	LF	80.000	80.000	80.000	\$620.00	\$49,600.00
12	Sanitary Sewer, 36" Creek Crossing	LF	80.000	80.000	80.000	\$531.00	\$42,480.00
13	Sanitary Manhole, 48" Type A	EA	14.000	14.000	14.000	\$2,700.00	\$37,800.00
14	Sanitary Manhole, 60" Type A	EA	30.000	30.000	30.000	\$4,100.00	\$123,000.00
15	Sanitary Manhole, Type F	EA	3.000	3.000	3.000	\$1,200.00	\$3,600.00
16	Video Inspection	LF	14,950.000	14,918.800	14,918.800	\$2.00	\$29,837.60
17	Well Abandonment	EA	1.000	1.000	1.000	\$2,500.00	\$2,500.00
18	Wetland Fencing	LF	1,430.000	1,353.000	1,353.000	\$2.00	\$2,706.00
19	Trench Stabilization	TON	2,400.000	4,165.950	4,165.950	\$25.00	\$104,148.75
20	Granular Surfacing	TON	350.000	873.600	873.600	\$15.00	\$13,104.00
21	Rip Rap	TON	3,600.000	3,626.890	3,626.890	\$28.00	\$101,552.92
22	Field Fence Removal and Replacement	LF	990.000	990.000	990.000	\$10.00	\$9,900.00
23	Chain Link Fence Removal and Replacement	LF	740.000	740.000	740.000	\$15.00	\$11,100.00
24	Concrete Channel Removal and Replacement	SY	100.000	95.120	95.120	\$75.00	\$7,134.00
25	Tree Replacement	EA	2,000.000	2,000.000	2,000.000	\$6.00	\$12,000.00
26	Drain Tile Repair	EA	20.000	15.000	15.000	\$250.00	\$3,750.00
27	Silt Fence	LF	5,900.000	11,523.000	11,523.000	\$4.00	\$46,092.00
28	Seeding	AC	27.000	27.000	27.000	\$250.00	\$6,750.00
29	Mulching	AC	54.000	54.000	54.000	\$300.00	\$16,200.00
30	Basin Clay Liner Repair	LS	1.000	1.000	1.000	\$5,000.00	\$5,000.00
	CHANGE ORDER ITEMS						
101	Replacing Type F MH with Modified Type F MH	EA		3.000	3.000	\$0.00	\$0.00
102	Reduction of Casing Pipe Size	LF		340.000	340.000	-\$7.00	-\$2,380.00
103	Concrete Bridge Over High Pressure Gas Line	LS		1.000	1.000	\$10,000.00	\$10,000.00
104	Replacing 60" Type A MH w/ Precast Tee	EA		18.000	18.000	-\$300.00	-\$5,400.00
105	Replacing 60" Type A MH w/ 72" Type M-F	EA		9.000	9.000	-\$160.00	-\$1,440.00
106	Deletion of Manhole Invert	EA		2.000	2.000	-\$90.00	-\$180.00
107	Furnco Coupler & PCC Collar	EA		2.000	2.000	\$950.00	\$1,900.00
201	Removal of Unsuitable Basin Material	CY		972.000	972.000	\$1.00	\$972.00
202	Replacement of Basin Material with Clay	CY		972.000	972.000	\$2.00	\$1,944.00
203	Incorporate 5% Fly-Ash	TN		232.300	232.300	\$28.00	\$6,504.40
301	Additional Boring Expense	LS		1.000	1.000	\$10,098.00	\$10,098.00
401	Sheeting and drain tiling	LS		1.000	1.000	\$83,119.50	\$83,119.50
701	Soil Removal and Recompaction	CY		1,650.000	1,650.000	\$3.00	\$4,950.00

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PROJECT: Southeast Ridge Trunk Sanitary Sewer-Phase 1
 CONTRACTOR: Rasch Construction, Inc.

Partial Payment 11 and FINAL

LINE NO.	DESCRIPTION	UNIT	UNITS			UNIT PRICE	TOTAL AMOUNT
			ESTIMATED	AUTHORIZED	CONSTRUCTED TO DATE		
702	Shale Removal and disposal	CY		350.000	350.000	\$6.00	\$2,100.00
801	Shale Removal and disposal	CY		150.000	150.000	\$6.00	\$900.00
802	Rock Excavation	CY		250.000	250.000	\$50.00	\$12,500.00
803	Negotiated Settlement	LS		1.000	1.000	(\$3,500.00)	-\$3,500.00
Total Materials Stored (Itemized List Attached)							\$0.00
TOTAL CONTRACT AMOUNT PLUS CHANGE ORDERS							\$2,465,126.47
THIS PARTIAL PAYMENT							\$0.00
TOTAL PARTIAL PAYMENTS							\$2,341,870.15
BALANCE							\$123,256.32
Percent Complete 100%							

TOTAL	\$2,465,126.47
RETAINAGE	\$123,256.32
TOTAL LESS RETAINAGE	\$2,341,870.15
LESS PREVIOUS PAYMENTS	\$2,341,870.15
AMOUNT DUE	\$0.00

PREPARED BY: _____
 Snyder & Associates

CHECKED BY: _____
 City of Des Moines

ACCEPTED BY: _____
 Rasch Construction, Inc.

Partial Payment 11 and FINAL

SUMMARY TO-DATE

CHANGE ORDERS

NUMBER	DATE	AMOUNT
1	Feb. 16, 2005	\$9,290.00
2	Mar. 16, 2005	\$9,420.40
3	July 15, 2005	\$60,098.00
4	August 11, 2005	\$83,119.50
5	September 28, 2006	\$9,600.00
6	October 10, 2006	\$9,854.00
7	December 27, 2006	\$9,874.57
8	December 27, 2006	\$9,900.00

PARTIAL PAYMENTS

NUMBER	DATE	AMOUNT
1	Feb. 16, 2005	\$221,012.15
2	Mar. 11, 2005	\$429,812.37
3	4/19/2005	\$265,107.25
4	5/25/2005	\$418,324.85
5	7/21/2005	\$409,973.36
6	8/17/2005	\$55,929.72
7	9/21/2005	\$379,653.14
8	5/24/2006	\$56,659.90
9	9/7/2006	\$53,346.03
10	2/1/2007	\$52,051.38