

★ **Roll Call Number**

Agenda Item Number

11 B

Date February 26, 2007

ACCEPTING COMPLETED CONSTRUCTION AND APPROVING FINAL PAYMENT
FOR THE CLOSES CREEK WATERSHED - BENNETT AVENUE STORM WATER IMPROVEMENTS,
VAN HAUEN & ASSOCIATES, INC.

BE IT RESOLVED BY THE CITY COUNCIL OF THE CITY OF DES MOINES, IOWA: That the attached report of the Chief Civil Engineer, showing the cost of construction of the Closes Creek Watershed - Bennett Avenue Storm Water Improvements, Activity ID 08-2003-006, in accordance with the contract approved between Van Hauen & Associates, Inc., Mark Van Hauen, Vice President/CEO, 13185 Pineview Drive, Clive, IA, 50325, under Roll Call No. 03-1807, of July 28, 2003, and the City of Des Moines, Iowa, and recommending the acceptance thereof, be and the same is hereby approved, and accepted, and

BE IT FURTHER RESOLVED: That \$1,205,944.47 is the total cost, of which \$1,098,615.29 has been paid the Contractor, and \$47,031.96 is now due and is hereby approved as final partial payment for the above project, the remaining balance of \$60,297.22 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 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 5%, 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 will be required to release the retainage which it is now holding.

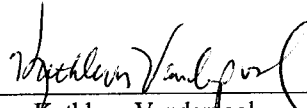
BE IT FURTHER RESOLVED: That the Finance Department be and is hereby authorized to release said retainage if suit is not filed as above provided.

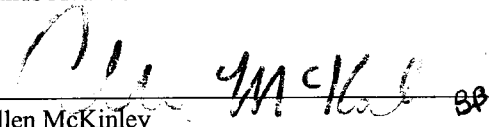
Activity ID 08-2003-006

Moved by _____ to adopt.

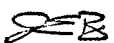
Funds Available:

FORM APPROVED:


Kathleen Vanderpool
Deputy City Attorney


Allen McKinley
Finance Director

Funding: 2006-2007 CIP, Page Storm-7, Closes Creek Watershed Improvements, Project STE068, Storm Water Utility Funds



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.

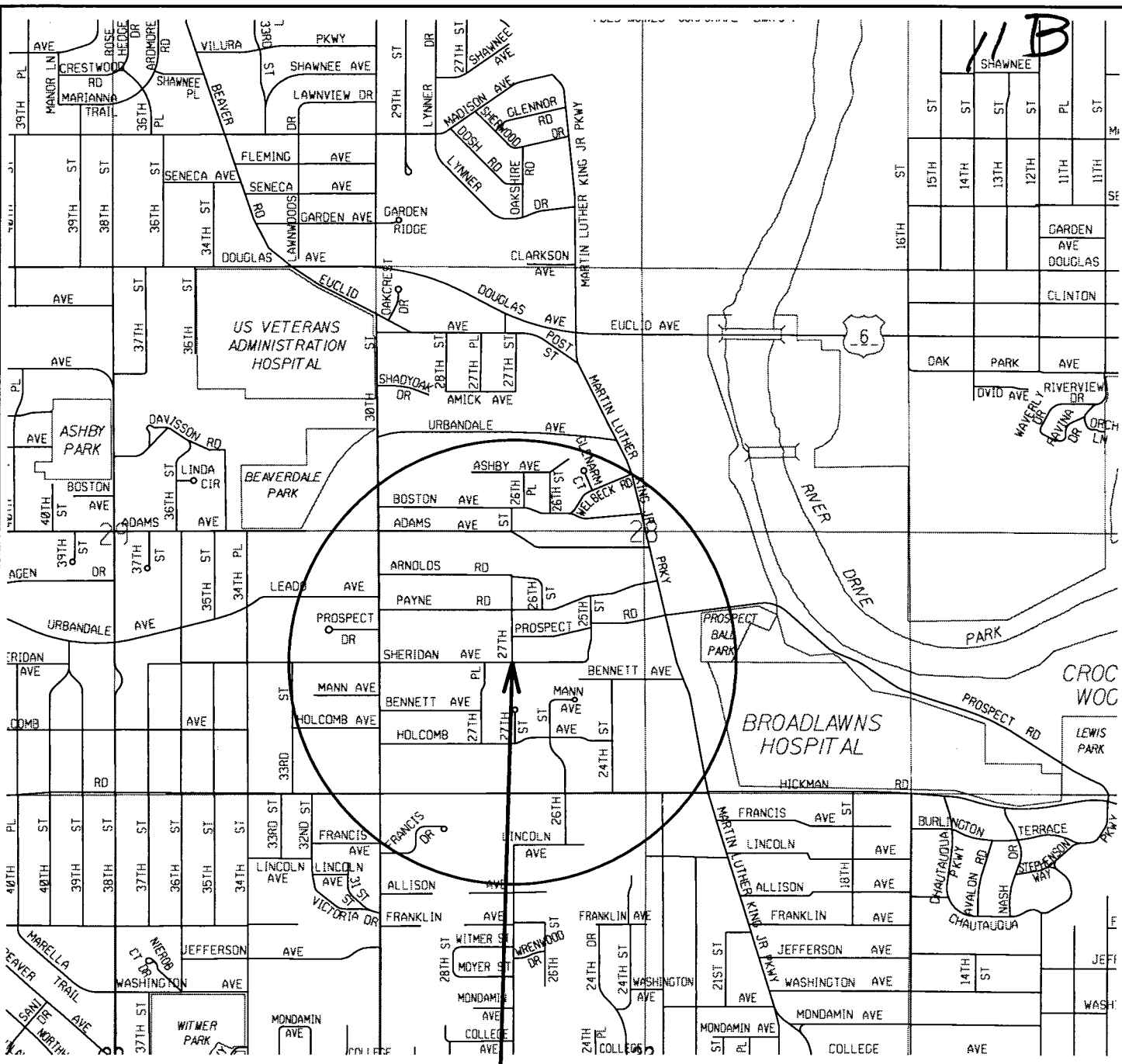
MOTION CARRIED

APPROVED

Mayor

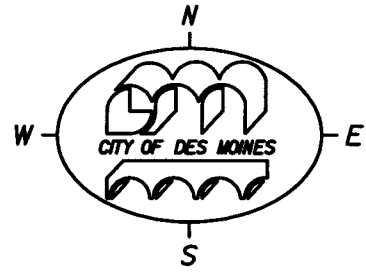
City Clerk

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PROJECT LOCATION



CLOSE CREEK WATER SHED-BENNETT AVENUE STORM WATER IMPROVEMENT ACTIVITY I.D. 08-2003-006

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PROJECT SUMMARY

Bennett Ave Storm Sewer Improvements

Activity ID 08-2003-006

On July 28, 2003, under Roll Call No. 03-1807, the City Council awarded the contract for the above improvement to Van Hauen & Associates, Inc., in the amount of \$1,187,000.85 to furnish all labor, equipment and materials necessary to construct storm water improvements including excavation, RCP storm sewer, cured-in-place pipe liner, pavement and sidewalk removal and replacement, survey, site restoration, traffic control and traffic signal modifications; all in accordance with the contract documents including Plan File Nos. 426-007/039 at:

An area bounded y 26th Street to 30th Street and Bennett Avenue to Hickman Road, Des Moines, IA.

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	2/16/2004 Relocate sanitary sewer services. Storm sewer spot repair.	Consultant	\$9,250.00
2	Storm Sewer Spot Repair to allow for CIPP pipe rehabilitation.	Engineering	\$9,000.00
3	2/8/2007 Adjust contract to as-built quantities.	Engineering	\$693.62
Original Contract Amount			\$1,187,000.85
Total Change Orders			\$18,943.62
Percent of Change Orders to Original Contract			1.60%
Final Contract Amount			\$1,205,944.47

11 B

February 26, 2007

CERTIFICATION OF COMPLETION

AGENDA HEADING:

Accepting completed construction and approving final payment for the Closes Creek Watershed – Bennett Avenue Storm Water Improvements, Van Hauen & Associates, 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: \$1,205,944.47 As-Built Contract Cost

Funding Source: 2006-2007 CIP, Page Storm-7, Closes Creek Watershed Improvements, STE068, Storm Water Utility Funds

CERTIFICATION OF COMPLETION:

On July 28, 2003, under Roll Call No. 03-1807, the City Council awarded a contract to Van Hauen & Associates, Inc., Mark Van Hauen, Vice President/CEO, 13185 Pineview Drive, Clive, IA, 50325, for the construction of the following improvement:

Closes Creek Watershed – Bennett Avenue Storm Water Improvements, 08-2003-006

The improvements include furnishing all labor, equipment and materials necessary to construct storm water improvements including excavation, RCP storm sewer, cured-in-place pipe liner, pavement and sidewalk removal and replacement, survey, site restoration, traffic control and traffic signal modifications; all in accordance with the contract documents including Plan File Nos. 426-007/039 at an area bounded by 26th Street to 30th Street and Bennett Avenue to Hickman Road, Des Moines, Iowa.

I hereby certify that the construction of said Closes Creek Watershed – Bennett Avenue Storm Water Improvements, Activity ID 08-2003-006, 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 August 15, 2003, and was completed on February 20, 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 \$1,205,944.47 is the total cost of said improvement, of which \$1,098,615.29 has been paid the Contractor and \$47,031.96 is now due and is hereby approved as final partial payment for the above project, the remaining balance of \$60,297.22 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, reading "Jeb E. Brewer" with a small "M" at the end of the line.

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

11 B

APPLICATION FOR PARTIAL PAYMENT NO. 7

PROJECT: CLOSES CREEK WATERSHED
BENNETT AVENUE STORM WATER IMPROVEMENTS
OWNER: CITY OF DES MOINES
CONTRACTOR: VAN HAUEN & ASSOCIATES
ADDRESS: P.O. BOX 71456, CLIVE, IA, 50325
DATE: December 27, 2006

S&A PROJECT NO.: 102.0640
ACTIVITY ID: 08-2003-006

PAYMENT PERIOD: November 19, 2004 through October 31, 2005

1. CONTRACT SUMMARY:

Original Contract Amount: \$1,187,000.85
Net Change by Change Order: \$18,943.62
Contract Amount to Date: \$1,205,944.47

CONTRACT PERIOD: WORKING DAYS
Original Contract Date: July 28, 2003
Original Contract Time: 75

2. WORK SUMMARY:

Total Work Performed to Date: \$1,205,944.47
Retainage: 5% \$60,297.22
Total Earned Less Retainage: \$1,145,647.25
Less Previous Applications for Payment: \$1,098,615.29

Added by Change Order: (CO # ___)
Contract Time to Date: 75
Time Used to Date: 86
Contract Time Remaining: -11

AMOUNT DUE THIS APPLICATION: \$47,031.96

Expected Date of Completion: Oct. 2005

3. CONTRACTOR'S CERTIFICATION:

The undersigned CONTRACTOR certifies that:

- (1) all previous progress payments received from OWNER on account of Work done under the Contract referred to above have been applied to discharge in full all obligations of CONTRACTOR incurred in connection with the Work covered by prior Applications for Payment; and
- (2) title to all materials and equipment incorporated in said Work or otherwise listed in or covered by this Application for Payment are free and clear of all liens, claims, security interests, and encumbrances.

VAN HAUEN & ASSOCIATES
CONTRACTOR

By _____

DATE: _____

4. ENGINEER'S APPROVAL:

Payment of the above AMOUNT DUE THIS APPLICATION is recommended:

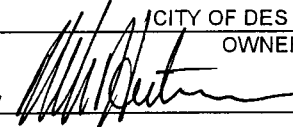
SNYDER & ASSOCIATES, INC.
ENGINEER

By _____

DATE: _____

5. OWNER'S APPROVAL:

CITY OF DES MOINES
OWNER

By 

DATE: FEB 16, 2007

11 B

6. DETAILED ESTIMATE OF WORK COMPLETED:

ITEM NO.	DESCRIPTION	CONTRACT ITEMS			COMPLETED WORK			
		QUANTITY	UNIT	UNIT COST	TOTAL COST	QUANTITY	CO #	COST
1	Mobilization	1.00	LS	\$60,000.00	\$60,000.00	1.00		\$60,000.00
2	Silt Fence	3,051.00	LF	\$2.00	\$6,102.00	728.00	3	\$1,456.00
3	Traffic Control	1.00	LS	\$10,000.00	\$10,000.00	1.00		\$10,000.00
4	Clearing and Grubbing	1.00	LS	\$45,000.00	\$45,000.00	1.00		\$45,000.00
5	Channel Cleanout	1.00	LS	\$1,500.00	\$1,500.00	1.00		\$1,500.00
6	Core Out Excavation	1,000.00	CY	\$6.75	\$6,750.00	1,166.00	3	\$7,870.50
7	Strip, Salvage, Spread Topsoil	2,956.00	CY	\$6.75	\$19,953.00	2,956.00		\$19,953.00
8	Excavation, Class 13	7,450.00	CY	\$6.75	\$50,287.50	7,450.00		\$50,287.50
9	Excavation, Class 13, Cutoff Trench	1,217.00	CY	\$6.75	\$8,214.75	1,217.00		\$8,214.75
10	Embankment in Place	7,420.00	CY	\$6.75	\$50,085.00	7,420.00		\$50,085.00
11	Borrow	15,593.00	CY	\$6.70	\$104,473.10	5,782.00	3	\$38,739.40
12	Disposal, Rubble	1,000.00	CY	\$18.00	\$18,000.00	2,526.00	3	\$45,468.00
13	Pavement Removal	623.00	SY	\$10.00	\$6,230.00	756.00	3	\$7,560.00
14	PCC Sidewalk Removal	38.00	SY	\$10.00	\$380.00	51.00	3	\$510.00
15	Drill and Dowel Pavement	104.00	LF	\$7.00	\$728.00	120.00	3	\$840.00
16	Subgrade Preparation	3,349.00	SY	\$2.50	\$8,372.50	3,472.00	3	\$8,680.00
17	Granular Subbase	361.00	TONS	\$17.00	\$6,137.00	566.19	3	\$9,625.23
18	Pavement, Roadway, Non-reinforced PCC, Class C, 8"	92.00	SY	\$60.00	\$5,520.00	83.00	3	\$4,980.00
19	Pavement, 7" PCC	1,717.00	SY	\$42.00	\$72,114.00	1,862.00	3	\$78,204.00
20	Pavement, 5" PCC	31.00	SY	\$38.00	\$1,178.00	32.00	3	\$1,216.00
21	Sidewalk, 4" PCC	932.00	SF	\$4.00	\$3,728.00	1,186.00	3	\$4,744.00
22	Pavement, 8" ACC	681.00	SY	\$38.00	\$25,878.00	667.00	3	\$25,346.00
23	Pavement, 2" ACC Overlay	150.00	SY	\$20.00	\$3,000.00	88.00	3	\$1,760.00
24	Pavement Milling	56.00	SY	\$36.00	\$2,016.00	0.00	3	\$0.00
25	Curb And Gutter, 2.5' PCC	394.00	LF	\$16.00	\$6,304.00	381.00	3	\$6,096.00
26	Type D Traffic Island	19.00	SY	\$75.00	\$1,425.00	16.00	3	\$1,200.00
27	Granular Surfacing, Class A Crushed Stone	15.00	TONS	\$17.00	\$255.00	17.00	3	\$289.00
28	Drainfill, Fine Gradation	116.00	CY	\$45.00	\$5,220.00	116.00		\$5,220.00
29	Drainfill, Coarse Gradation	236.00	CY	\$75.00	\$17,700.00	236.00		\$17,700.00
30	Cunette, 6" PCC	6,869.00	SF	\$5.00	\$34,345.00	7,384.00	3	\$36,920.00
31	Removal, Existing Headwall	2.00	EA	\$2,000.00	\$4,000.00	2.00		\$4,000.00
32	Removal, Storm Sewer Pipe	661.00	LF	\$16.00	\$10,576.00	648.00	3	\$10,368.00
33	Removal, Storm Sewer Structure	7.00	EA	\$600.00	\$4,200.00	7.00		\$4,200.00
34	Culvert Abandonment	183.00	LF	\$20.00	\$3,660.00	308.00	3	\$6,160.00
35	Trench Bottom Stabilization	500.00	CY	\$15.00	\$7,500.00	0.00	3	\$0.00
36	Granular Backfill	500.00	CY	\$14.00	\$7,000.00	0.00	3	\$0.00
37	Sewer, Storm, 15" CMP	4.00	LF	\$180.00	\$720.00	4.00		\$720.00
38	Sewer, 2000D Storm, 15"	75.00	LF	\$130.00	\$9,750.00	93.00	3	\$12,090.00
39	Sewer, 2000D Storm, 18"	34.00	LF	\$130.00	\$4,420.00	33.00	3	\$4,290.00
40	Sewer, 2000D Storm, 24"	425.00	LF	\$130.00	\$55,250.00	413.00	3	\$53,690.00
41	Sewer, 2000D Storm, 30"	267.00	LF	\$150.00	\$40,050.00	261.00	3	\$39,150.00
42	Sewer, 2000D Storm, 36"	463.00	LF	\$160.00	\$74,080.00	463.00		\$74,080.00
43	Sewer, Low Head Pressure Pipe, Class C25, 15"	14.00	LF	\$500.00	\$7,000.00	14.00		\$7,000.00
44	Sewer, Low Head Pressure Pipe, Class C25, 18"	17.00	LF	\$500.00	\$8,500.00	17.00		\$8,500.00
45	Sewer, Low Head Pressure Pipe, Class C25, 24"	63.00	LF	\$500.00	\$31,500.00	63.00		\$31,500.00
46	Sewer, Low Head Pressure Pipe, Class C25, 36"	42.00	LF	\$650.00	\$27,300.00	42.00		\$27,300.00
47	CIPP, Storm, 12"	998.00	LF	\$35.00	\$34,930.00	980.00	3	\$34,300.00
48	CIPP, Storm, 24"	171.00	LF	\$95.00	\$16,245.00	171.00		\$16,245.00
49	Intake, Type M-D	3.00	EA	\$3,000.00	\$9,000.00	3.00		\$9,000.00
50	Intake, Modified Type M-D	2.00	EA	\$4,500.00	\$9,000.00	2.00		\$9,000.00
51	Intake, Type M-E	1.00	EA	\$4,000.00	\$4,000.00	1.00		\$4,000.00
52	Intake, Type M-G	8.00	EA	\$3,500.00	\$28,000.00	8.00		\$28,000.00
53	Type Q Intake Grate	1.00	EA	\$600.00	\$600.00	1.00		\$600.00
54	Manhole, Type M-A	7.00	EA	\$1,600.00	\$11,200.00	7.00		\$11,200.00
55	Manhole, Type M-B	2.00	EA	\$3,500.00	\$7,000.00	2.00		\$7,000.00
56	Manhole, Type M-C	2.00	EA	\$6,000.00	\$12,000.00	2.00		\$12,000.00
57	Manhole, Type M-D	1.00	EA	\$6,000.00	\$6,000.00	1.00		\$6,000.00
58	Flared End Section, 18" CMP	1.00	EA	\$500.00	\$500.00	0.00	3	\$0.00
59	Flared End Section, 24" RCP	1.00	EA	\$700.00	\$700.00	1.00		\$700.00
60	Flared End Section, 30" RCP	1.00	EA	\$1,000.00	\$1,000.00	1.00		\$1,000.00
61	Flared End Section, 36" RCP	2.00	EA	\$1,500.00	\$3,000.00	2.00		\$3,000.00
62	Flared End Section, 36" Low Head RCP, Class C25	2.00	EA	\$3,000.00	\$6,000.00	2.00		\$6,000.00
63	Riprap, Class E	554.00	TONS	\$35.00	\$19,390.00	1,031.00	3	\$36,085.00
64	Erosion Stone	15.00	TONS	\$35.00	\$525.00	0.00	3	\$0.00
65	Articulated Concrete Block	1,784.00	SF	\$20.00	\$35,680.00	1,920.00	3	\$38,400.00
66	Temporary Erosion Matting	325.00	SY	\$3.00	\$975.00	325.00		\$975.00
67	Schedule 40 Perforated PVC Pipe, 4"	107.00	LF	\$20.00	\$2,140.00	115.00	3	\$2,300.00
68	Schedule 40 Perforated PVC Pipe, 6"	704.00	LF	\$23.00	\$16,192.00	648.00	3	\$14,904.00
69	Schedule 40 Non Perforated PVC Pipe, 6"	67.00	LF	\$23.00	\$1,541.00	66.00	3	\$1,518.00
70	Sewer Pipe Supports	2.00	EA	\$500.00	\$1,000.00	0.00	3	\$0.00
71	Adjustment of Fixtures	3.00	EA	\$300.00	\$900.00	3.00		\$900.00
72	Fence Removal and Replacement	1,698.00	LF	\$9.00	\$15,282.00	1,090.00	3	\$9,810.00
73	Chain Link Gate, 4' x 16'	3.00	EA	\$600.00	\$1,800.00	3.00		\$1,800.00

6. DETAILED ESTIMATE OF WORK COMPLETED:

ITEM NO.	DESCRIPTION	CONTRACT ITEMS				COMPLETED WORK		
		QUANTITY	UNIT	UNIT COST	TOTAL COST	QUANTITY	CO #	COST
74	Temporary Fence	828.00	LF	\$4.00	\$3,312.00	408.00	3	\$1,632.00
75	Sodding	542.00	SQ	\$35.00	\$18,970.00	537.47	3	\$18,811.45
76	Seeding, Fertilization	4.10	AC	\$2,000.00	\$8,200.00	4.10		\$8,200.00
77	Mulching	8.20	AC	\$600.00	\$4,920.00	5.60	3	\$3,360.00
78	Trash Rack	1.00	LS	\$12,000.00	\$12,000.00	1.00		\$12,000.00
79	Project Sign, Large	1.00	LS	\$1,000.00	\$1,000.00	1.00		\$1,000.00
80	Traffic Signal Relocation	1.00	LS	\$2,000.00	\$2,000.00	1.00		\$2,000.00
81	Construction Survey	1.00	LS	\$15,597.00	\$15,597.00	1.00		\$15,597.00
TOTAL ORIGINAL CONTRACT					\$1,187,000.85	\$1,149,849.83		
CHANGE ORDER SUMMARY:								
Change Order No. 1								
1.01	Adjustment of Sanitary Sewer Services	1.00	LS	\$4,750.00	\$4,750.00	1.00		\$4,750.00
1.02	Storm Sewer Spot Repair	1.00	LS	\$4,500.00	\$4,500.00	1.00		\$4,500.00
SUBTOTAL CHANGE ORDER NO. 1					\$9,250.00	\$9,250.00		
Change Order No. 2								
2.01	CIPP Spot Repair	1.00	LS	\$9,000.00	\$9,000.00	1.00		\$9,000.00
SUBTOTAL CHANGE ORDER NO. 2					\$9,000.00	\$9,000.00		
Change Order No. 3								
3.01	Subgrade Treatment, Fly Ash	47.29	TON	\$38.50	\$1,820.67	47.29		\$1,820.67
3.02	Subdrain, Bennett West, South Slope	1.00	LS	\$14,782.20	\$14,782.20	1.00		\$14,782.20
3.03	Subdrain, Bennett West, North Slope	1.00	LS	\$5,588.52	\$5,588.52	1.00		\$5,588.52
3.04	Sewer Service Locate, 2512 Sheridan Avenue	1.00	LS	\$243.95	\$243.95	1.00		\$243.95
3.05	Chain Link Fence, Privacy, 2804 Holcomb Avenue	1.00	LS	\$1,809.00	\$1,809.00	1.00		\$1,809.00
3.06	Chain Link Fence, Bennett West	1.00	LS	\$1,134.00	\$1,134.00	1.00		\$1,134.00
3.07	Wood Fence, 2704 Sheridan Avenue	1.00	LS	\$3,745.50	\$3,745.50	1.00		\$3,745.50
3.08	Wood Fence, 2716 Sheridan Avenue	1.00	LS	\$2,544.30	\$2,544.30	1.00		\$2,544.30
3.09	Sanitary Sewer Drop Connection, Bennett West	1.00	LS	\$5,500.00	\$5,500.00	1.00		\$5,500.00
3.10	Relocate Chain Link Fence, 2815 Hickman Road	1.00	LS	\$676.50	\$676.50	1.00		\$676.50
2	Silt Fence	(2,323.00)	LF	\$2.00	(\$4,646.00)			\$0.00
6	Core Out Excavation	166.00	CY	\$6.75	\$1,120.50			\$0.00
11	Borrow	(9,811.00)	CY	\$6.70	(\$65,733.70)			\$0.00
12	Disposal, Rubble	1,526.00	CY	\$18.00	\$27,468.00			\$0.00
13	Pavement Removal	133.00	SY	\$10.00	\$1,330.00			\$0.00
14	PCC Sidewalk Removal	13.00	SY	\$10.00	\$130.00			\$0.00
15	Drill and Dowel Pavement	16.00	LF	\$7.00	\$112.00			\$0.00
16	Subgrade Preparation	123.00	SY	\$2.50	\$307.50			\$0.00
17	Granular Subbase	205.19	TONS	\$17.00	\$3,488.23			\$0.00
18	Pavement, Roadway, Non-reinforced PCC, Class C, 8"	(9.00)	SY	\$60.00	(\$540.00)			\$0.00
19	Pavement, 7" PCC	145.00	SY	\$42.00	\$6,090.00			\$0.00
20	Pavement, 5" PCC	1.00	SY	\$38.00	\$38.00			\$0.00
21	Sidewalk, 4" PCC	254.00	SF	\$4.00	\$1,016.00			\$0.00
22	Pavement, 8" ACC	(14.00)	SY	\$38.00	(\$532.00)			\$0.00
23	Pavement, 2" ACC Overlay	(62.00)	SY	\$20.00	(\$1,240.00)			\$0.00
24	Pavement Milling	(56.00)	SY	\$36.00	(\$2,016.00)			\$0.00
25	Curb And Gutter, 2.5' PCC	(13.00)	LF	\$16.00	(\$208.00)			\$0.00
26	Type D Traffic Island	(3.00)	SY	\$75.00	(\$225.00)			\$0.00
27	Granular Surfacing, Class A Crushed Stone	2.00	TONS	\$17.00	\$34.00			\$0.00
30	Cunette, 6" PCC	515.00	SF	\$5.00	\$2,575.00			\$0.00
32	Removal, Storm Sewer Pipe	(13.00)	LF	\$16.00	(\$208.00)			\$0.00
34	Culvert Abandonment	125.00	LF	\$20.00	\$2,500.00			\$0.00
35	Trench Bottom Stabilization	(500.00)	CY	\$15.00	(\$7,500.00)			\$0.00
36	Granular Backfill	(500.00)	CY	\$14.00	(\$7,000.00)			\$0.00
38	Sewer, 2000D Storm, 15"	18.00	LF	\$130.00	\$2,340.00			\$0.00
39	Sewer, 2000D Storm, 18"	(1.00)	LF	\$130.00	(\$130.00)			\$0.00
40	Sewer, 2000D Storm, 24"	(12.00)	LF	\$130.00	(\$1,560.00)			\$0.00
41	Sewer, 2000D Storm, 30"	(6.00)	LF	\$150.00	(\$900.00)			\$0.00
47	CIPP, Storm, 12"	(18.00)	LF	\$35.00	(\$630.00)			\$0.00
58	Flared End Section, 18" CMP	(1.00)	EA	\$500.00	(\$500.00)			\$0.00
63	Riprap, Class E	477.00	TONS	\$35.00	\$16,695.00			\$0.00
64	Erosion Stone	(15.00)	TONS	\$35.00	(\$525.00)			\$0.00
65	Articulated Concrete Block	136.00	SF	\$20.00	\$2,720.00			\$0.00
67	Schedule 40 Perforated PVC Pipe, 4"	8.00	LF	\$20.00	\$160.00			\$0.00
68	Schedule 40 Perforated PVC Pipe, 6"	(56.00)	LF	\$23.00	(\$1,288.00)			\$0.00

11 B

6. DETAILED ESTIMATE OF WORK COMPLETED:

ITEM NO.	DESCRIPTION	CONTRACT ITEMS				COMPLETED WORK		
		QUANTITY	UNIT	UNIT COST	TOTAL COST	QUANTITY	CO #	COST
69	Schedule 40 Non-Perforated PVC Pipe, 6"	(1.00)	LF	\$23.00	(\$23.00)			\$0.00
70	Sewer Pipe Supports	(2.00)	EA	\$500.00	(\$1,000.00)			\$0.00
72	Fence Removal and Replacement	(608.00)	LF	\$9.00	(\$5,472.00)			\$0.00
74	Temporary Fence	(420.00)	LF	\$4.00	(\$1,680.00)			\$0.00
75	Sodding	(4.53)	SQ	\$35.00	(\$158.55)			\$0.00
77	Mulching	(2.60)	AC	\$600.00	(\$1,560.00)			\$0.00
SUBTOTAL CHANGE ORDER NO. 3					\$693.62			\$37,844.64
TOTAL CHANGE ORDERS					\$18,943.62			\$56,094.64
TOTAL CONTRACT & CHANGE ORDERS					\$1,205,944.47			\$1,205,944.47