

DATE May 5, 2008

PUBLIC HEARING, APPROVING PLANS, SPECIFICATIONS, FORM OF CONTRACT DOCUMENTS, AND ENGINEER'S ESTIMATE ON 21ST STREET AND CARPENTER AVENUE STORM SEWER IMPROVEMENTS; RECEIVE AND FILE BIDS; AND DESIGNATION OF LOWEST RESPONSIVE, RESPONSIBLE BIDDER AS REILLY CONSTRUCTION CO., INC., CHRIS R. REILLY, PRESIDENT, \$1,398,640.25

WHEREAS, on April 7, 2008, under Roll Call No. 08-546, plans, specifications, form of contract documents, and Jurisdictional Engineer's estimate of construction cost were filed with the City Clerk, for the construction of the following improvement:

21st Street and Carpenter Avenue Storm Sewer Improvements, 07-2006-006

The improvement includes constructing 3,100 LF of 12" through 54" storm sewers, 15 storm manholes, 32 storm intakes, special structure, 8" and 9" base PCC pavement with HMA overlay, 6" and 8" PCC driveways, 4" PCC sidewalks, water main relocation, and miscellaneous associated work including cleanup; in accordance with the contract documents, including Plan File Nos. 489-025/043, located on Carpenter Avenue from 21st Street to 25th Street, on University Avenue from 22nd Street to 23rd Street and on 22nd Street from Carpenter Avenue to University Avenue, Des Moines, Iowa

WHEREAS, notice of the hearing on the plans, specifications, form of contract documents, and Engineer's estimate of construction cost was published as required by law.

NOW, THEREFORE, BE IT RESOLVED BY THE CITY COUNCIL OF THE CITY OF DES MOINES, IOWA: That the hearing on the plans, specifications, form of contract documents, and Jurisdictional Engineer's estimate of construction cost for said improvement be closed; and that said plans, specifications, form of contract documents, and Jurisdictional Engineer's estimate of construction cost are hereby approved as the plans, specifications, form of contract documents, and Jurisdictional Engineer's estimate of construction cost for said improvement.

BE IT FURTHER RESOLVED: That sealed bids for said improvement were submitted by the following bidders:

- | | |
|-------------------------------|---------------------|
| Reilly Construction Co., Inc. | Ossian, IA |
| Corell Contractor, Inc. | West Des Moines, IA |
| Van Hauen & Associates, Inc. | Clive, IA |
| The Underground Company, Ltd. | Carlisle, IA |
| McAninch Corporation | West Des Moines, IA |
| Synergy Contracting LLC | Ankeny, IA |

which were received and opened at a public meeting presided over by the Jurisdictional Engineer in the City Council Chambers, 2nd Floor, City Hall, 400 Robert D. Ray Drive, Des Moines, Iowa at 11:00 a.m. on April 22, 2008. Said bids and the attached tabulation of bids for said improvement be and are hereby received and filed.

★ **Roll Call Number**

Agenda Item Number

48

DATE May 5, 2008

BE IT FURTHER RESOLVED: That the Jurisdictional Engineer has determined that the lowest responsive, responsible bid for the construction of said improvement was submitted by Reilly Construction Co., Inc., Chris R. Reilly, President, 110 Main Street, PO Box 99, Ossian, IA, 52161 in the amount of \$1,398,640.25, and said bid be and the same is hereby accepted.

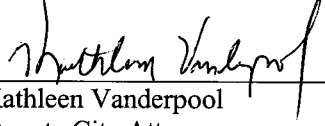
BE IT FURTHER RESOLVED: That the bid security of the unsuccessful bidders be and is hereby authorized and directed to be returned.

BE IT FURTHER RESOLVED: That the Jurisdictional Engineer is hereby directed to secure execution by the lowest responsible, responsive Bidder and its surety of the contract documents in the form heretofore approved by this Council; that the Jurisdictional Engineer is directed to thereafter present said contract documents to this Council for approval and authorization to the Mayor to sign; and that no contract shall be deemed to exist between the City of Des Moines and said Bidder until said contract has been executed by the Bidder, and shall have been approved by this Council and executed by the Mayor and attested to by the City Clerk.

(City Council Communication Number 08-268 attached.)

Moved by _____ to adopt.

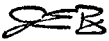
FORM APPROVED:


 Kathleen Vanderpool
 Deputy City Attorney

FUNDS AVAILABLE


 Allen McKinley
 Des Moines Finance Director

Funding Source: 2007-2008 CIP, Page Sanitary-7, CSO Flow Meter Installation, SAE083, Being: \$648,640.25 in Sanitary Sewer Funds and \$750,000 in Storm Water Utility Funds



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

MOTION CARRIED APPROVED

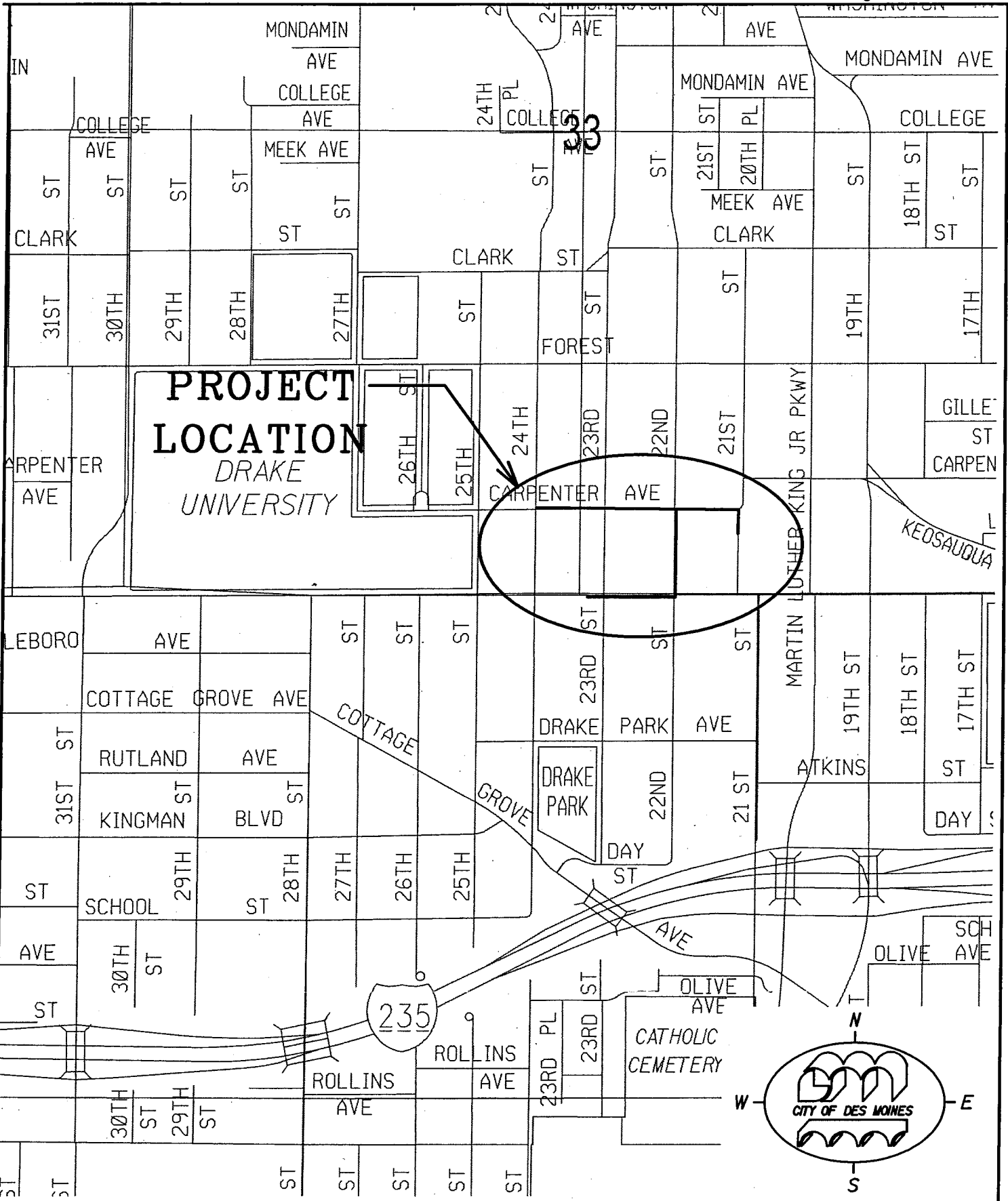
 Mayor

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

Tri-ENG Design\07-2006\006\Drawings\Loc_Map\LOC_MAP.DGN 12-MAR-2008 15:05



**21ST STREET AND CARPENTER AVENUE
STORM SEWER IMPROVEMENTS
ACTIVITY I.D. 07-2006-006**

TABULATED BY: R. Joanning
CHECKED BY: *[Signature]*
APPROVED BY: *John F. McKee*

CONTRACTOR'S BID TABULATION
PROJECT: 21ST STREET AND CARPENTER AVENUE STORM SEWER IMPROVEMENTS

ESTIMATE

Reilly Construction Co., Inc.
Ossian IA

BID SECURITY
10% Bid Bond
BID PRICE

ITEM	DESCRIPTION	QUANTITY	UNIT PRICE	AMOUNT
1	Project Sign, Small	1 LS	\$1,000.00	\$1,000.00
2	Mobilization	1 LS	\$70,000.00	\$70,000.00
3	Traffic Control	1 LS	\$10,000.00	\$10,000.00
4	Pavement Scarification, HMA Milling	7,600 SY	\$5.00	\$38,000.00
5	Pavement Removal/Disposition	4,995 SY	\$5.00	\$24,975.00
6	Sidewalk, Driveway, Removal/Disposition	850 SY	\$4.00	\$3,400.00
7	Subgrade Preparation	5,502 SY	\$3.00	\$16,506.00
8	Subgrade Treatment, Flyash, 6% by Weight	2,750 SY	\$6.00	\$16,500.00
9	PCC Pavement, 8" Base, Integral Curb	4,012 SY	\$47.00	\$188,564.00
10	PCC Pavement, 9" Base, Integral Curb	983 SY	\$50.00	\$49,150.00
11	HMA 3M S 1/2, 2" Thickness	930 TON	\$70.00	\$65,100.00
12	PCC Commercial Driveway, 8" Type C, 10' Radius	100 SY	\$45.00	\$4,500.00
13	PCC Driveway, 6" Type A	200 SY	\$35.00	\$7,000.00
14	PCC Sidewalk, 4"	600 SY	\$30.00	\$18,000.00
15	Detectable Warnings	320 SF	\$30.00	\$9,600.00
16	Storm Sewer, 12" Class 3 RCP	7.5 LF	\$60.00	\$450.00
17	Storm Sewer, 15" Class 3 RCP	234.5 LF	\$65.00	\$15,242.50
18	Storm Sewer, 18" Class 3 RCP	442.3 LF	\$70.00	\$30,961.00
19	Storm Sewer, 21" Class 3 RCP	75.5 LF	\$80.00	\$6,040.00
20	Storm Sewer, 24" Class 3 RCP	185.5 LF	\$100.00	\$18,550.00
21	Storm Sewer, 30" Class 3 RCP	363.5 LF	\$120.00	\$43,620.00
22	Storm Sewer, 36" Class 3 RCP	550 LF	\$140.00	\$77,000.00
23	Storm Sewer, 42" Class 3 RCP	397.5 LF	\$180.00	\$71,550.00
24	Storm Sewer, 48" Class 3 RCP	381 LF	\$220.00	\$83,820.00
25	Storm Sewer, 54" Class 3 RCP	334 LF	\$245.00	\$81,830.00
26	Storm Sewer, 54" Class 3 RCAP	24 LF	\$280.00	\$6,720.00
27	Storm Sewer, 18" RCP Jacked in Place without Casing Pi	32 LF	\$500.00	\$16,000.00
28	Storm Sewer, 36" RCP Jacked in Place without Casing Pi	56 LF	\$700.00	\$39,200.00
29	Storm Sewer, 36" DI	15 LF	\$160.00	\$2,400.00
30	Storm Manhole, Type M-A, 60"	2 EACH	\$3,500.00	\$7,000.00
31	Storm Manhole, Type M-A, 72"	3 EACH	\$4,500.00	\$13,500.00
32	Storm Manhole, Type M-C	7 EACH	\$7,500.00	\$52,500.00
33	Storm Manhole, Type M-D	3 EACH	\$8,500.00	\$25,500.00
34	Connection to Existing Manhole, Storm	1 LS	\$20,000.00	\$20,000.00
35	Intake, Type M-A	2 EACH	\$2,500.00	\$5,000.00
36	Intake, Type M-D	1 EACH	\$3,500.00	\$3,500.00
37	Intake, Type M-F	17 EACH	\$3,000.00	\$51,000.00
38	Intake, Type M-I	10 EACH	\$4,000.00	\$40,000.00
39	Intake, Type M-I Modified	1 EACH	\$4,500.00	\$4,500.00
40	Intake, Type RA-41	1 EACH	\$3,500.00	\$3,500.00
41	Special Structure 1	1 LS	\$12,000.00	\$12,000.00

Corell Contractor, Inc.
West Des Moines IA

BID SECURITY
10% Bid Bond
BID PRICE

UNIT PRICE	AMOUNT
\$160.00	\$160.00
\$64,000.00	\$64,000.00
\$5,000.00	\$5,000.00
\$2.60	\$19,760.00
\$9.00	\$44,955.00
\$7.00	\$5,950.00
\$3.00	\$16,506.00
\$6.00	\$16,500.00
\$41.00	\$164,492.00
\$44.00	\$43,252.00
\$81.60	\$75,888.00
\$42.00	\$4,200.00
\$30.50	\$6,100.00
\$21.00	\$12,600.00
\$26.25	\$8,400.00
\$90.00	\$675.00
\$62.00	\$14,539.00
\$65.00	\$28,749.50
\$70.00	\$5,285.00
\$75.00	\$13,912.50
\$136.00	\$49,436.00
\$135.00	\$74,250.00
\$146.00	\$58,035.00
\$186.00	\$70,866.00
\$235.00	\$78,490.00
\$450.00	\$10,800.00
\$750.00	\$24,000.00
\$875.00	\$49,000.00
\$500.00	\$7,500.00
\$4,150.00	\$8,300.00
\$5,250.00	\$15,750.00
\$8,675.00	\$60,725.00
\$10,000.00	\$30,000.00
\$22,000.00	\$22,000.00
\$2,200.00	\$4,400.00
\$3,000.00	\$3,000.00
\$3,500.00	\$59,500.00
\$4,250.00	\$42,500.00
\$4,500.00	\$4,500.00
\$10,000.00	\$10,000.00

Van Hauen & Associates, Inc.
Clive IA

BID SECURITY
10% Bid Bond
BID PRICE

UNIT PRICE	AMOUNT
\$100.00	\$100.00
\$10,000.00	\$10,000.00
\$8,000.00	\$8,000.00
\$2.60	\$19,760.00
\$10.00	\$49,950.00
\$9.00	\$7,650.00
\$3.00	\$16,506.00
\$6.00	\$16,500.00
\$39.50	\$158,474.00
\$44.00	\$43,252.00
\$80.00	\$74,400.00
\$42.00	\$4,200.00
\$30.00	\$6,000.00
\$22.00	\$13,200.00
\$30.00	\$9,600.00
\$100.00	\$750.00
\$150.00	\$35,175.00
\$155.00	\$68,556.50
\$160.00	\$12,080.00
\$170.00	\$31,535.00
\$180.00	\$65,430.00
\$190.00	\$104,500.00
\$210.00	\$83,475.00
\$230.00	\$87,630.00
\$310.00	\$103,540.00
\$400.00	\$9,600.00
\$205.00	\$6,560.00
\$250.00	\$14,000.00
\$600.00	\$9,000.00
\$4,000.00	\$8,000.00
\$5,000.00	\$15,000.00
\$8,000.00	\$66,000.00
\$13,500.00	\$40,500.00
\$15,000.00	\$15,000.00
\$2,000.00	\$4,000.00
\$3,500.00	\$3,500.00
\$4,000.00	\$68,000.00
\$5,000.00	\$50,000.00
\$7,000.00	\$7,000.00
\$6,000.00	\$6,000.00
\$24,596.50	\$24,596.50

DEPARTMENT OF ENGINEERING
CITY OF DES MOINES, IOWA

ACTIVITY ID 07-2006-006
IDOT PROJ NO.: None
BID DATE: 4/22/08

TABULATED BY: R. Joanning
CHECKED BY: *[Signature]*
APPROVED BY: *[Signature]*

CONTRACTOR'S BID TABULATION
PROJECT: 21ST STREET AND CARPENTER AVENUE STORM SEWER IMPROVEMENTS

ESTIMATE

ITEM	DESCRIPTION	QUANTITY	UNIT		AMOUNT		UNIT PRICE	AMOUNT		UNIT PRICE	AMOUNT	
			PRICE	PRICE	PRICE	PRICE		PRICE	PRICE		PRICE	PRICE
1	Project Sign, Small	1 LS	\$1,000.00		\$1,000.00		\$100.00	\$100.00		\$100.00	\$100.00	\$100.00
2	Mobilization	1 LS	\$70,000.00		\$70,000.00		\$101,500.00	\$101,500.00		\$11,500.00	\$11,500.00	\$11,500.00
3	Traffic Control	1 LS	\$10,000.00		\$10,000.00		\$7,722.00	\$7,722.00		\$8,000.00	\$8,000.00	\$8,000.00
4	Pavement Scarification, HMA Milling	7,600 SY	\$5.00		\$38,000.00		\$3.50	\$26,600.00		\$3.00	\$22,800.00	\$22,800.00
5	Pavement Removal/Disposition	4,995 SY	\$5.00		\$24,975.00		\$8.00	\$39,960.00		\$11.00	\$54,945.00	\$59,940.00
6	Sidewalk, Driveway, Removal/Disposition	850 SY	\$4.00		\$3,400.00		\$5.00	\$4,250.00		\$9.00	\$7,650.00	\$10,200.00
7	Subgrade Preparation	5,502 SY	\$3.00		\$16,506.00		\$3.00	\$16,506.00		\$5.00	\$27,510.00	\$18,156.60
8	Subgrade Treatment, Flyash, 6% by Weight	2,750 SY	\$6.00		\$16,500.00		\$1.00	\$2,750.00		\$6.00	\$16,500.00	\$15,125.00
9	PCC Pavement, 8" Base, Integral Curb	4,012 SY	\$47.00		\$188,564.00		\$45.00	\$180,540.00		\$39.00	\$156,468.00	\$156,468.00
10	PCC Pavement, 9" Base, Integral Curb	983 SY	\$50.00		\$49,150.00		\$47.00	\$46,201.00		\$44.00	\$43,252.00	\$42,268.00
11	HMA 3M S 1/2, 2" Thickness	930 TON	\$70.00		\$65,100.00		\$79.00	\$73,470.00		\$74.00	\$68,820.00	\$68,820.00
12	PCC Commercial Driveway, 8" Type C, 10' Radius	100 SY	\$45.00		\$4,500.00		\$40.00	\$4,000.00		\$42.00	\$4,200.00	\$4,000.00
13	PCC Driveway, 6" Type A	200 SY	\$35.00		\$7,000.00		\$35.00	\$7,000.00		\$30.00	\$6,000.00	\$5,800.00
14	PCC Sidewalk, 4"	600 SY	\$30.00		\$18,000.00		\$30.00	\$18,000.00		\$21.00	\$12,600.00	\$12,000.00
15	Detectable Warnings	320 SF	\$30.00		\$9,600.00		\$25.00	\$8,000.00		\$26.00	\$8,320.00	\$8,000.00
16	Storm Sewer, 12" Class 3 RCP	7.5 LF	\$60.00		\$450.00		\$117.00	\$877.50		\$95.00	\$712.50	\$577.50
17	Storm Sewer, 15" Class 3 RCP	234.5 LF	\$65.00		\$15,242.50		\$120.00	\$28,140.00		\$96.00	\$22,512.00	\$18,760.00
18	Storm Sewer, 18" Class 3 RCP	442.3 LF	\$70.00		\$30,961.00		\$122.00	\$53,960.60		\$98.00	\$43,345.40	\$36,710.90
19	Storm Sewer, 21" Class 3 RCP	75.5 LF	\$80.00		\$6,040.00		\$133.00	\$10,041.50		\$103.00	\$7,776.50	\$6,568.50
20	Storm Sewer, 24" Class 3 RCP	185.5 LF	\$100.00		\$18,550.00		\$133.00	\$24,671.50		\$106.00	\$19,663.00	\$17,066.00
21	Storm Sewer, 30" Class 3 RCP	363.5 LF	\$120.00		\$43,620.00		\$161.00	\$58,523.50		\$175.00	\$63,612.50	\$37,804.00
22	Storm Sewer, 36" Class 3 RCP	550 LF	\$140.00		\$77,000.00		\$177.00	\$97,350.00		\$165.00	\$90,750.00	\$66,550.00
23	Storm Sewer, 42" Class 3 RCP	397.5 LF	\$180.00		\$71,550.00		\$192.00	\$76,320.00		\$197.00	\$78,307.50	\$55,650.00
24	Storm Sewer, 48" Class 3 RCP	381 LF	\$220.00		\$83,820.00		\$199.00	\$75,819.00		\$215.00	\$81,915.00	\$61,722.00
25	Storm Sewer, 54" Class 3 RCP	334 LF	\$245.00		\$81,830.00		\$265.00	\$88,510.00		\$239.00	\$79,826.00	\$62,124.00
26	Storm Sewer, 54" Class 3 RCAP	24 LF	\$280.00		\$6,720.00		\$270.00	\$6,480.00		\$270.00	\$6,480.00	\$5,040.00
27	Storm Sewer, 18" Class 4 RCP Jacked in Place without Casing Pij	32 LF	\$500.00		\$16,000.00		\$594.00	\$19,008.00		\$500.00	\$16,000.00	\$11,168.00
28	Storm Sewer, 36" Class 4 RCP Jacked in Place without Casing Pij	56 LF	\$700.00		\$39,200.00		\$564.00	\$31,584.00		\$500.00	\$28,000.00	\$24,752.00
29	Storm Sewer, 36" Df	15 LF	\$160.00		\$2,400.00		\$395.00	\$5,925.00		\$355.00	\$5,325.00	\$7,755.00
30	Storm Manhole, Type M-A, 60"	2 EACH	\$3,500.00		\$7,000.00		\$8,700.00	\$17,400.00		\$4,400.00	\$8,800.00	\$9,600.00
31	Storm Manhole, Type M-A, 72"	3 EACH	\$4,500.00		\$13,500.00		\$10,700.00	\$32,100.00		\$5,400.00	\$16,200.00	\$16,800.00
32	Storm Manhole, Type M-C	7 EACH	\$7,500.00		\$52,500.00		\$15,000.00	\$105,000.00		\$12,500.00	\$87,500.00	\$74,900.00
33	Storm Manhole, Type M-D	3 EACH	\$8,500.00		\$25,500.00		\$20,000.00	\$60,000.00		\$22,500.00	\$67,500.00	\$58,200.00
34	Connection to Existing Manhole, Storm	1 LS	\$20,000.00		\$20,000.00		\$13,800.00	\$13,800.00		\$40,000.00	\$40,000.00	\$20,000.00
35	Intake, Type M-A	2 EACH	\$2,500.00		\$5,000.00		\$1,500.00	\$3,000.00		\$2,900.00	\$5,800.00	\$5,800.00
36	Intake, Type M-D	1 EACH	\$3,500.00		\$3,500.00		\$3,000.00	\$3,000.00		\$4,300.00	\$4,300.00	\$4,400.00
37	Intake, Type M-F	17 EACH	\$3,000.00		\$51,000.00		\$3,500.00	\$59,500.00		\$4,600.00	\$78,200.00	\$61,200.00
38	Intake, Type M-H	10 EACH	\$4,000.00		\$40,000.00		\$4,600.00	\$46,000.00		\$6,300.00	\$63,000.00	\$46,000.00
39	Intake, Type M-H Modified	1 EACH	\$4,500.00		\$4,500.00		\$7,500.00	\$7,500.00		\$8,800.00	\$8,800.00	\$5,300.00
40	Intake, Type RA-41	1 EACH	\$3,500.00		\$3,500.00		\$4,600.00	\$4,600.00		\$9,100.00	\$9,100.00	\$5,700.00
41	Special Structure 1	1 LS	\$12,000.00		\$12,000.00		\$11,300.00	\$11,300.00		\$11,500.00	\$11,500.00	\$10,000.00

ITEM	DESCRIPTION	QUANTITY	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT
42	Manhole Removal, Storm	2 EACH	\$1,000.00	\$2,000.00	\$400.00	\$800.00	\$400.00	\$800.00	\$725.00	\$1,450.00
43	Intake Removal	15 EACH	\$500.00	\$7,500.00	\$400.00	\$6,000.00	\$400.00	\$6,000.00	\$725.00	\$10,875.00
44	Standard Sewer Plug, 8"-30"	25 EACH	\$250.00	\$6,250.00	\$50.00	\$1,250.00	\$250.00	\$6,250.00	\$590.00	\$14,750.00
45	Special Sewer Plug, 48"	1 LS	\$5,000.00	\$5,000.00	\$5,000.00	\$5,000.00	\$400.00	\$400.00	\$2,900.00	\$2,900.00
46	Sanitary Sewer, 16" DI	20 LF	\$125.00	\$2,500.00	\$199.50	\$3,990.00	\$590.00	\$300.00	\$300.00	\$6,000.00
47	Sanitary Sewer Service Pipe, 6"	400 LF	\$60.00	\$24,000.00	\$36.00	\$14,400.00	\$125.00	\$50,000.00	\$35.00	\$14,000.00
48	Sanitary Sewer Service Connections	14 EACH	\$1,000.00	\$14,000.00	\$100.00	\$1,400.00	\$1,200.00	\$16,800.00	\$500.00	\$7,000.00
49	8" Water Main Relocation Location No. 1	1 LS	\$12,000.00	\$12,000.00	\$7,000.00	\$7,000.00	\$11,500.00	\$11,500.00	\$7,000.00	\$7,000.00
50	8" Water Main Relocation Location No. 2	1 LS	\$12,000.00	\$12,000.00	\$7,000.00	\$7,000.00	\$11,500.00	\$11,500.00	\$7,000.00	\$7,000.00
51	Water Service Depth Check	14 EACH	\$500.00	\$7,000.00	\$1.00	\$14.00	\$325.00	\$4,550.00	\$250.00	\$3,500.00
52	Lower Water Service	6 EACH	\$1,500.00	\$9,000.00	\$50.00	\$300.00	\$2,300.00	\$13,800.00	\$1,500.00	\$9,000.00
53	New Water Service	8 EACH	\$3,500.00	\$28,000.00	\$100.00	\$800.00	\$1,600.00	\$12,800.00	\$2,500.00	\$20,000.00
54	Water Service Relocation	1 EACH	\$4,000.00	\$4,000.00	\$4,000.00	\$4,000.00	\$2,600.00	\$2,600.00	\$2,500.00	\$2,500.00
55	New Water Service Corporation	8 EACH	\$500.00	\$4,000.00	\$50.00	\$400.00	\$600.00	\$4,800.00	\$300.00	\$2,400.00
56	Granular Stabilization Material	240 TON	\$30.00	\$7,200.00	\$26.00	\$6,240.00	\$20.00	\$4,800.00	\$25.00	\$6,000.00
57	Temporary Granular Surfacing Material	300 TON	\$30.00	\$9,000.00	\$25.00	\$7,500.00	\$22.00	\$6,600.00	\$25.00	\$7,500.00
58	Clearing and Grubbing	1 LS	\$5,000.00	\$5,000.00	\$1,500.00	\$1,500.00	\$2,300.00	\$2,300.00	\$2,000.00	\$2,000.00
59	Sodding	300 SQ	\$50.00	\$15,000.00	\$40.00	\$12,000.00	\$36.00	\$10,800.00	\$27.00	\$8,100.00
60	Silt Fence	33 LF	\$3.00	\$60.00	\$3.50	\$70.00	\$4.00	\$80.00	\$2.00	\$40.00
61	Inlet Filter	33 EACH	\$20.00	\$660.00	\$24.00	\$792.00	\$26.00	\$858.00	\$120.00	\$3,960.00
62	Construction Staking	1 LS	\$10,000.00	\$10,000.00	\$9,000.00	\$9,000.00	\$8,300.00	\$8,300.00	\$10,000.00	\$10,000.00
63	Erosion Control	1 LS	\$7,000.00	\$7,000.00	\$1,975.00	\$1,975.00	\$2,100.00	\$2,100.00	\$2,000.00	\$2,000.00
64	Tree Planting, Swamp White Oak, 1-1/2" B&B	4 EACH	\$500.00	\$2,000.00	\$290.00	\$1,160.00	\$305.00	\$1,220.00	\$250.00	\$1,000.00
65	Tree Planting, Skyline Honeylocust, 1-1/2" B&B	2 EACH	\$500.00	\$1,000.00	\$278.00	\$556.00	\$300.00	\$600.00	\$250.00	\$500.00
66	Road Closure, Remove and Replace	2 EACH	\$7,500.00	\$15,000.00	\$3,000.00	\$6,000.00	\$8,000.00	\$16,000.00	\$9,000.00	\$18,000.00
				\$1,463,388.50		\$1,576,786.60		\$1,601,568.40		\$1,661,811.50
						+7.75%		+9.44%		+13.56%

TOTAL CONSTRUCTION COST
PERCENT OF ENGINEER'S ESTIMATE