



**Roll Call Number**

**Agenda Item Number**

17 A

DATE July 18, 2022

**ACCEPTING COMPLETED CONSTRUCTION AND APPROVING FINAL PAYMENT FOR MARKET DISTRICT SANITARY SEWER AND FORCE MAIN, MPS ENGINEERS, P.C. DBA KINGSTON SERVICES, P.C.**

BE IT RESOLVED BY THE CITY COUNCIL OF THE CITY OF DES MOINES, IOWA: That the attached report of the Des Moines City Engineer, showing the cost of the construction of the Market District Sanitary Sewer and Force Main, 072019010, in accordance with the contract approved between MPS Engineers, P.C. dba Kingston Services, P.C., Umesh G. Shetye, President, 1444 Illinois Street, Des Moines, IA 50314, under Roll Call No. 20-0119, of January 13, 2020, and the City of Des Moines, and recommending the acceptance thereof, be and the same is hereby approved, and accepted.

BE IT FURTHER RESOLVED: That \$3,774,804.05 is the total cost, of which \$3,661,559.93 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 \$113,244.12 is to be paid at the end of thirty days, with funds retained for unresolved claims on file in accordance with Iowa Code Chapter 573.

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 Director of Finance be and is hereby authorized to release said retainage if suit is not filed as above provided.

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

FORM APPROVED:

FUNDS AVAILABLE

*s/ Kathleen Vanderpool*

*Nickolas J. Schaul* *RS*

Kathleen Vanderpool  
Deputy City Attorney

Nickolas J. Schaul  
Director of Finance

Funding Source: 2022-23 CIP, Page 131, SE 7th Street Reconstruction and Trunk Sewer, ST274, Being: \$2,824,804.05 in TIF Bonds, and the remaining \$950,000 in Sanitary Sewer Funds

*SLN*  
*PM*

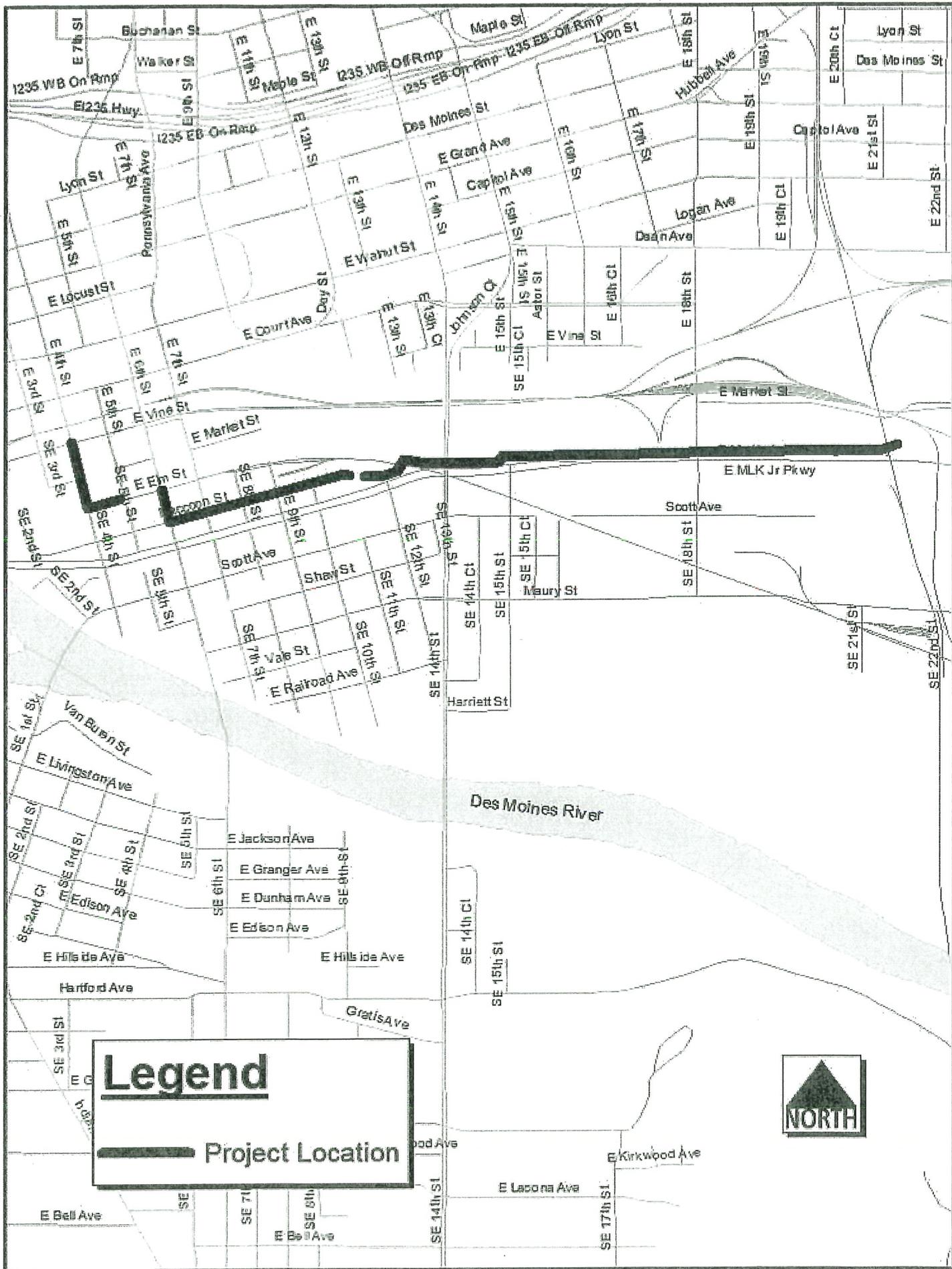
COUNCIL ACTION	YEAS	NAYS	PASS	ABSENT
COWNIE				
BOESEN				
GATTO				
MANDELBAUM				
SHEUMAKER				
VOSS				
WESTERGAARD				
TOTAL				
MOTION CARRIED				APPROVED

I, Laura Baumgartner, Acting 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.

Mayor

Acting City Clerk



**Legend**

 Project Location



## PROJECT SUMMARY

### Market District Sanitary Sewer and Force Main

#### Activity ID 072019010

On January 13, 2020, under Roll Call No. 20-0119, the Council awarded the contract for the above improvements to MPS Engineers, P.C. dba Kingston Services, P.C., in the amount of \$3,396,233.50. Tabulated below is a history of project change orders.

<b>Change Order No.</b>	<b>Initiated By</b>	<b>Description</b>	<b>Amount</b>
1	Engineering	4/8/2020 Modify air release manholes for corrosion protection.	\$21,978.00
2	Engineering	6/8/2020 Modify force main alignment to avoid conflict with the proposed transload facility.	\$74,335.25
3	Engineering	3/17/2021 Railroad flagging and observation requirements. Deepen bore under Norfolk Southern tracks to avoid utility conflict. Additional clearing and grubbing required.	\$47,746.00
4	Engineering	4/30/2021 Excavate and dispose of rubble, manhole modifications, replace leaking water service, install geogrid to stabilize poor soils, and hydromulch disturbed areas for winter stabilization.	\$47,939.10
5	Engineering	7/19/2021 Pave 7-inch PCC driveway for pump station on Raccoon Street, modify manholes, core-out unsuitable subgrade.	\$40,892.60
6	Engineering	8/31/2021 Install fencing around pump station at SE 11th and Raccoon Street.	\$47,404.00
7	Engineering	2/21/2022 Adjust plan quantities to as-built quantities.	\$100,398.60
8	Engineering	6/10/2022 Provide credit for manhole vacuum testing.	\$(2,123.00)
<b>Original Contract Amount</b>			\$3,396,233.50
<b>Total Change Orders</b>			\$378,570.55
<b>Percent of Change Orders to Original Contract</b>			11.15%
<b>Total Contract Amount</b>			\$3,774,804.05



July 18, 2022

**CERTIFICATION OF COMPLETION**

**AGENDA HEADING:**

Accepting completed construction and approving final payment for the Market District Sanitary Sewer and Force Main, MPS Engineers, P.C. dba Kingston Services, P.C..

**SYNOPSIS:**

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

**FISCAL IMPACT:**

Amount: \$3,774,804.05 As-Built Contract Cost

Funding Source: 2022-23 CIP, Page 131, SE 7th Street Reconstruction and Trunk Sewer, ST274, Being: \$2,824,804.05 in TIF Bonds, and the remaining \$950,000 in Sanitary Sewer Funds

**CERTIFICATION OF COMPLETION:**

On January 13, 2020, under Roll Call No. 20-0119, the City Council awarded a contract to MPS Engineers, P.C. dba Kingston Services, P.C., Umesh G. Shetye, President, 1444 Illinois Street, Des Moines, IA 50314 for the construction of the following improvement:

Market District Sanitary Sewer and Force Main, 072019010

This improvement includes the construction of 10-inch, 12-inch, and 15-inch sanitary sewer, 10-inch sanitary sewer force main, manholes, air release valves, pavement removal, Hot Mix Asphalt (HMA) pavement, traffic control, erosion control and miscellaneous associated work, including cleanup; all in accordance with the contract documents, including Plan File Nos. 612-200/265 located along M.L. King Jr. Parkway from S.E. 11th Street east to the 2100 block, along Raccoon Street from S.E. 11th Street to S.E. 7th Street, along S.E. 7th Street from Raccoon Street to E. Elm Street, along E. Elm Street from S.E. 5th Street to S.E. 4th Street, and along S.E. 4th Street from Elm Street to Vine Street, Des Moines, Iowa

I hereby certify that the construction of said Market District Sanitary Sewer and Force Main, Activity ID 072019010, 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 March 16, 2020, and was completed on October 1, 2020.

I further certify that \$3,774,804.05 is the total cost of said improvement, of which \$3,661,559.93 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 \$113,244.12 is to be paid at the end of thirty days, with funds retained for unresolved claims on file in accordance with Iowa Code Chapter 573. The amount of completed work is shown on the attached Estimate of Construction Completed.

A handwritten signature in black ink that reads "Steven L. Naber" with a red "PW" written below it.

Steven L. Naber, P.E.  
Des Moines City Engineer

17A

ENGINEERING DEPARTMENT  
CITY OF DES MOINES, IOWA



ESTIMATE OF CONSTRUCTION COMPLETED  
FOR WORK DONE FROM 1/20/2022 TO 5/24/2022  
FINAL PAYMENT / QTY AGREEMENT (PAYMENT NO. 15)

PROJECT: MARKET DISTRICT SANITARY SEWER AND FORCE MAIN  
CONTRACTOR: MPS ENGINEERS PC DBA KINGSTON SERVICES PC

Activity ID: 07-2019-010  
5/24/2022

LINE NO.	DESCRIPTION	UNIT	UNITS			UNIT PRICE	TOTAL AMOUNT
			ESTIMATED	AUTHORIZED	CONSTRUCTED TO DATE		
1	CLEARING AND GRUBBING	LS	1.000	1.000	1.000	\$15,750.00	\$15,750.00
2	TOPSOIL, OFFSITE	CY	125.000	125.000	125.000	\$56.00	\$7,000.00
3	EXCAVATION, CLASS 10	CY	80.000	145.000	145.000	\$78.00	\$11,310.00
4	SUBGRADE PREPARATION, 6 IN. DEPTH	SY	9,040.000	8,575.000	8,575.000	\$7.00	\$60,025.00
5	SUBBASE, MODIFIED	TON	3,100.000	3,367.000	3,367.000	\$48.00	\$161,616.00
6	SANITARY SEWER, GRAVITY MAIN, TRENCHED, DI, 10"	LF	70.000	89.000	89.000	\$212.00	\$18,868.00
7	SANITARY SEWER, GRAVITY MAIN, TRENCHED, PVC SDR 26, 12"	LF	1,282.000	1,033.000	1,033.000	\$198.00	\$204,534.00
8	SANITARY SEWER, GRAVITY MAIN, TRENCHED, PVC SDR 26, 15"	LF	1,520.000	1,853.000	1,853.000	\$226.00	\$418,778.00
9	SANITARY SEWER GRAVITY MAIN WITH CASING PIPE, TRENCHLESS, PVC, 12"	LF	75.000	75.000	75.000	\$1,595.00	\$119,625.00
10	SANITARY SEWER GRAVITY MAIN WITH CASING PIPE, TRENCHLESS, PVC, 15"	LF	75.000	75.000	75.000	\$1,595.00	\$119,625.00
11	SANITARY SEWER FORCE MAIN, TRENCHED, PVC, 10"	LF	5,119.000	4,984.000	4,984.000	\$54.00	\$269,136.00
12	SANITARY SEWER FORCE MAIN, TRENCHLESS, PVC, 10"	LF	270.000	421.000	421.000	\$150.00	\$63,150.00
13	SANITARY SEWER FORCE MAIN WITH CASING PIPE, TRENCHLESS, PVC, 10"	LF	390.000	397.000	397.000	\$735.00	\$291,795.00
14	SANITARY SEWER SERVICE RELOCATION	EA	10.000	11.000	11.000	\$1,850.00	\$20,350.00
15	SEWAGE AIR RELEASE VALVE AND PIT	EA	6.000	6.000	6.000	\$5,000.00	\$30,000.00
16	REMOVAL OF SANITARY SEWER, VCP, 10"	LF	457.000	519.000	519.000	\$32.00	\$16,608.00
17	SANITARY SEWER ABANDONMENT, FILL AND PLUG, 10"	LF	700.000	679.000	679.000	\$55.00	\$37,345.00
18	STORM SEWER, TRENCHED, RCP CL 3, 15"	LF	20.000	18.000	18.000	\$312.00	\$5,616.00
19	REMOVAL OF STORM SEWER, RCP, 12" THRU 18"	LF	28.000	131.000	131.000	\$32.00	\$4,192.00
20	PIPE APRON, 15" RCP CL 3	EA	3.000	3.000	3.000	\$1,500.00	\$4,500.00
21	PIPE APRON GUARD	EA	3.000	3.000	3.000	\$500.00	\$1,500.00
22	MANHOLE, SW 301, 48"	EA	9.000	8.000	8.000	\$7,200.00	\$57,600.00
23	MANHOLE, SW 401, 84"	EA	1.000	1.000	1.000	\$16,500.00	\$16,500.00
24	INTAKE, SW 502, 84"	EA	1.000	1.000	1.000	\$16,500.00	\$16,500.00
25	INTAKE, SW 507	EA	1.000	0.000	0.000	\$7,500.00	\$0.00
26	DROP CONNECTION, 10"	EA	4.000	4.000	4.000	\$8,500.00	\$34,000.00
27	INSIDE FORCE MAIN DROP CONNECTION, 10"	EA	1.000	1.000	1.000	\$15,000.00	\$15,000.00
28	MANHOLE ADJUSTMENT, MINOR	EA	1.000	4.000	4.000	\$2,500.00	\$10,000.00
29	MANHOLE ADJUSTMENT, PCC DIAMOND	EA	3.000	8.000	8.000	\$3,200.00	\$25,600.00
30	CONNECTION TO EXISTING MANHOLE	EA	1.000	1.000	1.000	\$3,500.00	\$3,500.00
31	REMOVE MANHOLE	EA	6.000	7.000	7.000	\$1,500.00	\$10,500.00
32	REMOVE INTAKE	EA	3.000	2.000	2.000	\$1,000.00	\$2,000.00
33	REMOVE AND REPLACE STORM SEWER, 36" RCP	LF	49.000	44.000	44.000	\$300.00	\$13,200.00
34	REMOVE AND REPLACE STORM SEWER, 24" RCP	LF	30.000	30.000	30.000	\$275.00	\$8,250.00

LINE NO.	DESCRIPTION	UNIT	UNITS			UNIT PRICE	TOTAL AMOUNT
			ESTIMATED	AUTHORIZED	CONSTRUCTED TO DATE		
35	REMOVE AND REPLACE STORM SEWER, 18" RCP	LF	122.000	95.000	95.000	\$225.00	\$21,375.00
36	REMOVE AND REPLACE STORM SEWER, 15" RCP	LF	24.000	24.000	24.000	\$312.00	\$7,488.00
37	REMOVE AND REPLACE STORM SEWER, 12" PVC	LF	67.500	0.000	0.000	\$254.00	\$0.00
38	PAVEMENT, PCC, 6" THICKNESS	SY	20.000	78.000	78.000	\$112.00	\$8,736.00
39	PAVEMENT, PCC, 8" THICKNESS	SY	1,435.000	1,622.000	1,622.000	\$84.00	\$136,248.00
40	CURB AND GUTTER, PCC, 8", 2'-6" WIDE	LF	127.000	190.000	190.000	\$54.00	\$10,260.00
41	PAVEMENT, HMA LT, BASE COURSE	TON	1,572.000	2,094.000	2,094.000	\$130.00	\$272,220.00
42	PAVEMENT, HMA LT, SURFACE COURSE	TON	777.000	1,206.000	1,206.000	\$130.00	\$156,780.00
43	REMOVAL OF SIDEWALK	SY	366.000	421.000	421.000	\$15.00	\$6,315.00
44	REMOVAL OF DRIVEWAY	SY	1,598.000	1,198.000	1,198.000	\$15.00	\$17,970.00
45	SIDEWALK, PCC, 4" THICK	SY	357.000	384.000	384.000	\$72.00	\$27,648.00
46	SIDEWALK, PCC, 6" THICK	SY	8.000	35.000	35.000	\$212.00	\$7,420.00
47	DETECTABLE WARNING	SF	16.000	55.000	55.000	\$64.00	\$3,520.00
48	DRIVEWAY, PAVED, HMA 6"	TON	500.000	234.000	234.000	\$150.00	\$35,100.00
49	DRIVEWAY, GRANULAR, 6"	TON	50.000	49.000	49.000	\$50.00	\$2,450.00
50	DRIVEWAY, GRANULAR, 6" TEMPORARY	TON	200.000	200.000	200.000	\$50.00	\$10,000.00
51	MILLING	SY	18.000	18.000	18.000	\$120.00	\$2,160.00
52	PAVEMENT REMOVAL	SY	8,126.000	8,839.000	8,839.000	\$15.00	\$132,585.00
53	TRAFFIC CONTROL	LS	1.000	1.000	1.000	\$18,400.00	\$18,400.00
54	CONVENTIONAL SEEDING, FERTILIZING AND MULCHING, TYPE 2	AC	9.300	7.000	7.000	\$2,450.00	\$17,150.00
55	STORMWATER POLLUTION PREVENTION	LS	1.000	1.000	1.000	\$6,000.00	\$6,000.00
56	FILTER SOCK	LF	13,236.000	8,492.000	8,492.000	\$1.50	\$12,738.00
57	FILTER SOCK REMOVAL	LF	13,236.000	8,492.000	8,492.000	\$0.50	\$4,246.00
58	INLET PROTECTION DEVICE	EA	4.000	1.000	1.000	\$175.00	\$175.00
59	REMOVAL AND REINSTALLATION OF EXISTING CHAIN LINK FENCE, 48"	LF	20.000	0.000	0.000	\$100.00	\$0.00
60	CONTRUCTION SURVEY	LS	1.000	1.000	1.000	\$25,000.00	\$25,000.00
61	MOBILIZATION	LS	1.000	1.000	1.000	\$422,399.50	\$422,399.50
62	CONCRETE WASHOUT	LS	1.000	1.000	1.000	\$4,000.00	\$4,000.00
63	TREE PROTECTION FENCE	LF	1,000.000	1,112.000	1,112.000	\$3.50	\$3,892.00
64	REMOVE RAILROAD TRACKS AND TIES	LF	415.000	806.000	806.000	\$50.00	\$40,300.00
65	MANUFACTURED SAND	TON	1,000.000	50.150	50.150	\$48.00	\$2,407.20
66	RAILROAD PROVISIONS	LS	1.000	1.000	1.000	\$24,000.00	\$24,000.00
1.01	COMPOSITE CASTING	EA	0.000	6.000	6.000	\$693.00	\$4,158.00
1.02	ARI STAINLESS STEEL AIR RELEASE VALVE	EA	0.000	6.000	6.000	\$2,970.00	\$17,820.00
2.01	ADDITIONAL EXCAVATION FOR LOWERING FORCE MAIN	LS	0.000	1.000	1.000	\$28,576.80	\$28,576.80
2.02	ADDITIONAL DEWATERING	LS	0.000	1.000	1.000	\$5,000.00	\$5,000.00
2.03	ADDITIONAL CONSTRUCTION STAKING	LS	0.000	1.000	1.000	\$2,750.00	\$2,750.00
2.04	DEEPEN BORE PITS	LS	0.000	1.000	1.000	\$4,015.00	\$4,015.00
2.05	ADDITIONAL POTHOLES	LS	0.000	1.000	1.000	\$1,650.00	\$1,650.00
2.06	12" PCC PAVEMENT REMOVAL	SY	0.000	55.000	55.000	\$24.00	\$1,320.00
2.07	12" PCC PAVEMENT REPLACEMENT	SY	0.000	55.000	55.000	\$122.00	\$6,710.00
2.08	ADDITIONAL MOBILIZATION	LS	0.000	1.000	1.000	\$1,457.25	\$1,457.25
2.09	ADDITIONAL BENDS	EA	0.000	3.000	3.000	\$900.00	\$2,700.00

LINE NO.	DESCRIPTION	UNIT	UNITS			UNIT PRICE	TOTAL AMOUNT
			ESTIMATED	AUTHORIZED	CONSTRUCTED TO DATE		
3.01	RAILPROS FLAGGING AND OBSERVATION	LS	0.000	1.000	1.000	\$7,307.00	\$7,307.00
3.02	DEEPEEN AND EXTEND BORE AT NORFOLK SOUTHERN RAILROAD	LS	0.000	1.000	1.000	\$35,445.00	\$35,445.00
3.03	ADDITIONAL CLEARING & GRUBBING FOR GRAVITY SEWER	LS	0.000	1.000	1.000	\$4,994.00	\$4,994.00
4.01	EXCAVATE AND DISPOSE OF RUBBLE IN FORCE MAIN TRENCH	LS	0.000	1.000	1.000	\$7,772.40	\$7,772.40
4.02	MANHOLE CONNECTION MODIFICATIONS, PER WRA REQUEST	LS	0.000	1.000	1.000	\$5,620.00	\$5,620.00
4.03	ADJUST ALIGNMENT OF SEWER FOR FORCE MAIN CONNECTION	LS	0.000	1.000	1.000	\$5,510.00	\$5,510.00
4.04	GEOGRID, TYPE 2	SY	0.000	2,745.400	2,745.400	\$4.50	\$12,354.30
4.05	WATER SERVICE, BITUMINOUS SUPPLY	LS	0.000	1.000	1.000	\$6,105.00	\$6,105.00
4.06	HYDROMULCH EROSION CONTROL	ACRE	0.000	0.000	0.000	\$1,870.00	\$0.00
4.07	MANHOLE, SW-301, 60"	EA.	0.000	1.000	1.000	\$9,800.00	\$9,800.00
5.01	SANITARY SEWER, GRAVITY MAIN, TRENCHED, DI, 8"	LF	0.000	9.000	9.000	\$222.22	\$1,999.98
5.02	MANHOLE MODIFICATIONS, ST-4	LS	0.000	1.000	1.000	\$3,158.22	\$3,158.22
5.03	DOWNTIME, ST-4	LS	0.000	1.000	1.000	\$4,950.00	\$4,950.00
5.04	STORM SEWER, TRENCHED, RCP, 12"	LF	0.000	30.000	30.000	\$242.00	\$7,260.00
5.05	CORE-OUT	CY	0.000	73.000	73.000	\$23.00	\$1,679.00
5.06	PCC PAVEMENT, 7"	SY	0.000	205.400	205.400	\$78.00	\$16,021.20
5.07	DRIVEWAY PAVING, MOBILIZATION	LS	0.000	1.000	1.000	\$479.97	\$479.97
5.08	MANHOLE BASE SECTION, ST-5	LS	0.000	1.000	1.000	\$1,924.23	\$1,924.23
5.09	MANHOLE MODIFICATIONS, ST-8	LS	0.000	1.000	1.000	\$3,420.00	\$3,420.00
6.01	CHAIN LINK FENCE, BLACK VINYL COATED, 8-FT HIGH, WITH BARB WIRE	LF	0.000	218.000	218.000	\$51.70	\$11,270.60
6.02	CHAIN LINK FENCE GATE, BLACK VINYL COATED, 8-FT HIGH, WITH BARB WIRE	EA	0.000	1.000	1.000	\$1,320.00	\$1,320.00
6.03	REINFORCED CONCRETE MOW STRIP	LF	0.000	218.000	218.000	\$46.30	\$10,093.40
7.01	MILLING - EXTENDED QUANTITY	SY	0.000	622.000	622.000	\$15.00	\$9,330.00
8.01	MANHOLE VACUUM TESTING CREDIT	LS	-0.000	1.000	1.000	-\$2,123.00	(\$2,123.00)
TOTAL CONTRACT AMOUNT PLUS CHANGE ORDERS			\$3,774,804.05				
PAYMENT #1			\$297,738.96				
PAYMENT #2			\$272,127.49				
PAYMENT #3			\$219,835.95				
PAYMENT #4			\$18,243.76				
PAYMENT #5			\$25,660.87				
PAYMENT #6			\$288,138.18				
PAYMENT #7			\$388,598.33				
PAYMENT #8			\$461,639.06				
PAYMENT #9			\$242,763.91				
PAYMENT #10			\$207,189.11				
PAYMENT #11			\$614,280.83				
PAYMENT #12			\$270,669.77				
PAYMENT #13			\$259,193.70				
PAYMENT #14			\$95,480.01				
THIS PARTIAL PAYMENT			\$0.00				
TOTAL PARTIAL PAYMENTS			\$3,661,559.93				
BALANCE			\$113,244.12				

TOTAL	\$3,774,804.05
RETAINAGE	\$113,244.12
TOTAL LESS RETAINAGE	\$3,661,559.93
LESS PREVIOUS PAYMENT	\$3,661,559.93
AMOUNT DUE	\$0.00

PREPARED BY: *Matt Labadie*  
CHECKED BY: *D.L.K.*  
CONTRACTOR APPROVAL: *[Signature]*

FINAL PAYMENT / QTY AGREEMENT (PAYMENT NO.)