

Date January 25, 2021

ACCEPTING COMPLETED CONSTRUCTION AND APPROVING FINAL PAYMENT FOR GRAY'S STATION REGIONAL DETENTION BASIN, S. M. HENTGES & SONS INC.

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 Gray's Station Regional Detention Basin, 082018006, in accordance with the contract approved between S. M. Hentges & Sons Inc., Steven M. Hentges, President, 650 Quaker Avenue, Suite 200, Jordan, MN 55352, under Roll Call No. 18-1875, of November 5, 2018, 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 \$3,554,728.86 is the total cost, of which \$3,448,086.99 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 \$106,641.87 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.

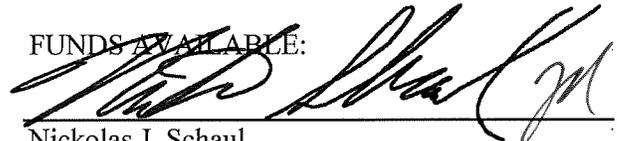
BE IT FURTHER RESOLVED: That the Director of Finance be and is hereby authorized to release said retainage if suit is not filed as above provided.

Moved by _____ to adopt.

FORM APPROVED:

s/Kathleen Vanderpool
Kathleen Vanderpool
Deputy City Attorney

FUNDS AVAILABLE:


Nickolas J. Schaul
Director of Finance

SLN Funding Source: 2020-2021 CIP, Page Storm - 9, Gray's Station Detention Basins, SM135, Being: \$500,000 State Revolving Loan Sponsored Project Funds, CWSRF No. CS192; \$5,000 Prairie Meadows Community Betterment Grant; and the remaining \$3,049,728.86 Storm Water Utility funds

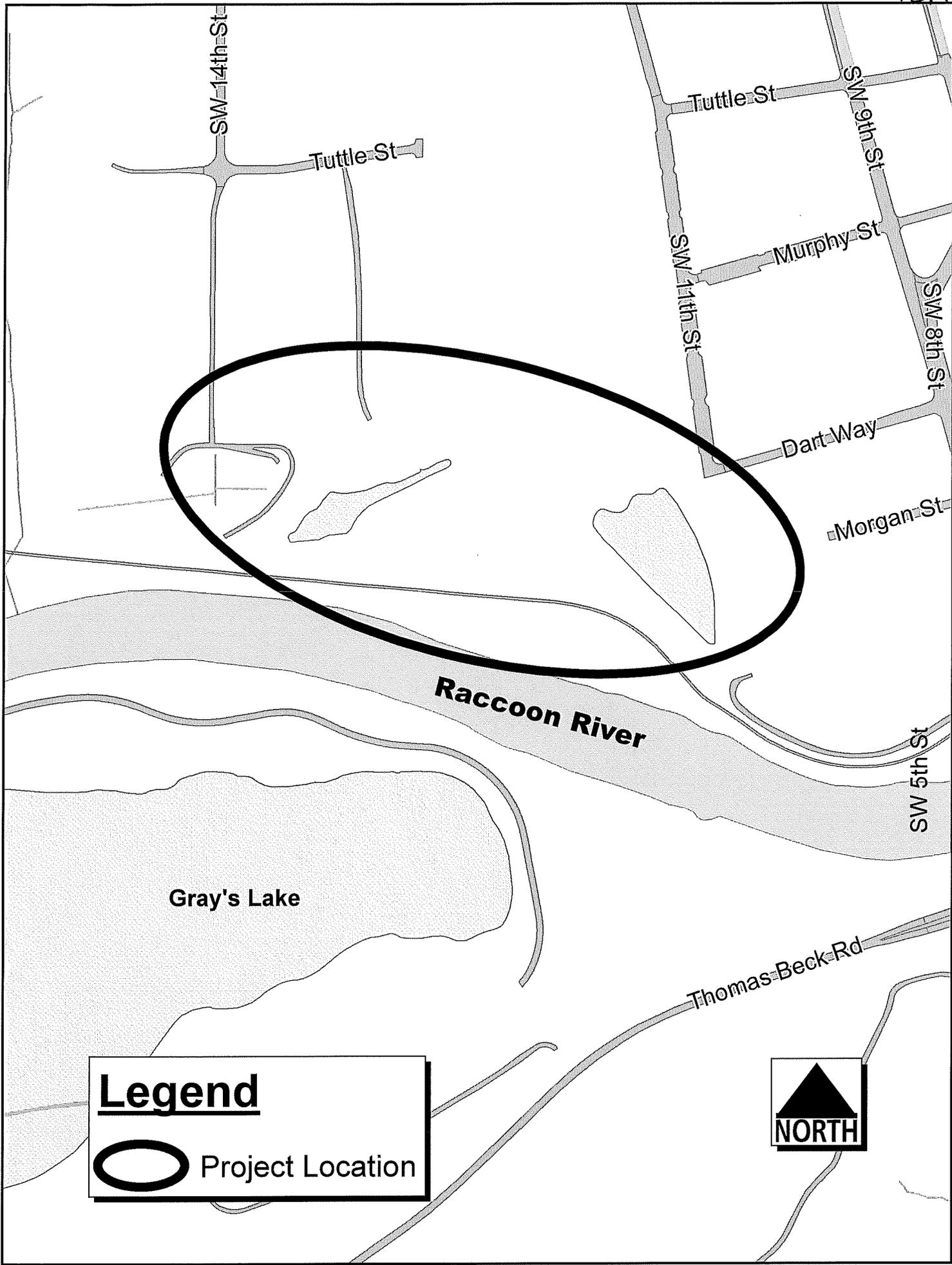
COUNCIL ACTION	YEAS	NAYS	PASS	ABSENT
COWNIE				
BOESEN				
GATTO				
GRAY				
MANDELBAUM				
VOSS				
WESTERGAARD				
TOTAL				
MOTION CARRIED			APPROVED	
_____ Mayor				

CERTIFICATE

I, P. Kay Cmelik, 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.

_____ City Clerk



Legend

 Project Location





13A

PROJECT SUMMARY

Gray's Station Regional Detention Basin

Activity ID 082018006

On November 5, 2018, under Roll Call No. 18-1875, the Council awarded the contract for the above improvements to S. M. Hentges & Sons Inc., in the amount of \$3,142,975.60. Tabulated below is a history of project change orders.

<u>Change Order No.</u>	<u>Initiated By</u>	<u>Description</u>	<u>Amount</u>
1	City	2/18/2019 Add erosion blanket to areas of basin.	\$(9.90)
2	City	3/19/2019 Add hauling of contaminated materials and contract extension.	\$9,639.00
3	City	3/19/2019 Add height to new manhole.	\$3,329.10
4	City	5/9/2019 Add dewatering vacuum well point system at DART pond.	\$45,000.00
5	City	5/28/2019 Remove concrete structure from DART pond.	\$7,596.23
6	City	7/9/2019 Add hauling and placement of unsuitable soil/debris and contract extension.	\$91,720.00
7	City	9/23/2019 Add additional dewatering, class 10, and gatewell work to project associated with unforeseen site conditions.	\$178,651.79
8	City	11/14/2019 Add additional organic material to sloped native grass areas.	\$40,920.00
9	City	2/13/2020 Add erosion stone and removal of debris from gray's station pump station.	\$49,742.04
10	City	6/5/2020 Add additional concrete matting to project.	\$16,480.80
11	City	7/28/2020 Add subdrain to project.	\$4,323.90

12 City

12/22/2020

\$(35,639.70)

This change order adjusts all plan quantities to the as-built quantities.

Original Contract Amount	\$3,142,975.60
Total Change Orders	\$411,753.26
Percent of Change Orders to Original Contract	13.10%
Total Contract Amount	\$3,554,728.86

13A



January 25, 2021

CERTIFICATION OF COMPLETION

AGENDA HEADING:

Accepting completed construction and approving final payment for the Gray's Station Regional Detention Basin, S. M. Hentges & Sons Inc.

SYNOPSIS:

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

FISCAL IMPACT:

Amount: \$3,554,728.86 As-Built Contract Cost

Funding Source: 2020-2021 CIP, Page Storm - 9, Gray's Station Detention Basins, SM135, Being: \$500,000 State Revolving Loan Sponsored Project Funds, CWSRF No. CS192; \$5,000 Prairie Meadows Community Betterment Grant; and the remaining \$3,049,728.86 Storm Water Utility funds

CERTIFICATION OF COMPLETION:

On November 5, 2018, under Roll Call No. 18-1875, the City Council awarded a contract to S. M. Hentges & Sons Inc., Steven M. Hentges, President, 650 Quaker Avenue, Suite 200, Jordan, MN 55352 for the construction of the following improvement:

Gray's Station Regional Detention Basin, 082018006

The improvement includes storm sewer pipe removal, Class 10 Excavation, Embankment-In-Place, storm sewer, manholes, Portland Cement Concrete (PCC) pavement, rip rap, turf reinforcement, wetland plugs, seeding and fence; and other associated and incidental items; all in accordance with the contract documents, including Plan File Nos. 582-201/245, and 597-237/257, located along the north side of the Raccoon River west of S.W. 11th Street, Des Moines, Iowa

I hereby certify that the construction of said Gray's Station Regional Detention Basin, Activity ID 082018006, 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 November 26, 2018, and was completed on January 5, 2021.

I further certify that \$3,554,728.86 is the total cost of said improvement, of which \$3,448,086.99 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 \$106,641.87 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.



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

13A

ENGINEERING DEPARTMENT
CITY OF DES MOINES, IOWA



ESTIMATE OF CONSTRUCTION COMPLETED
FOR WORK DONE FROM 11/16/2020 to 12/1/2020
FINAL PARTIAL PAYMENT NO.16

PROJECT: GRAY'S STATION REGIONAL DETENTION BASIN
CONTRACTOR: S.M. HENTGES & SONS INC.

Proj No: N/A
Activity ID: 08-2018-006
Date: 12/11/2020

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	\$30,000.00	\$30,000.00
2	REMOVAL OF RAILROAD TRACKS AND ROCK BALAST	CY	2,021.000	2,048.000	2,248.000	\$19.00	\$42,712.00
3	TOPSOIL, ON SITE	CY	27,255.000	27,255.000	27,255.000	\$3.50	\$95,392.50
4	EXCAVATION, CLASS 10	CY	157,240.000	157,240.000	157,240.000	\$6.60	\$1,037,784.00
5	SUBGRADE PREPARATION, 12 IN. DEPTH	SY	1,233.000	1,412.000	1,412.000	\$3.00	\$4,236.00
6	STORM SEWER, TRENCHED, RCP, 15IN.	LF	50.000	50.000	50.000	\$60.00	\$3,000.00
7	STORM SEWER, TRENCHED, RCP, 24IN.	LF	220.000	220.000	220.000	\$84.00	\$18,480.00
8	STORM SEWER, TRENCHED, RCP, 36IN.	LF	251.000	251.000	251.000	\$120.00	\$30,120.00
9	STORM SEWER, TRENCHED, RCP, 42IN.	LF	408.000	408.000	408.000	\$153.00	\$62,424.00
10	STORM SEWER, TRENCHED, RCP, 48IN.	LF	910.000	910.000	910.000	\$170.00	\$154,700.00
11	STORM SEWER, TRENCHED, RCP, 60IN.	LF	26.000	26.000	26.000	\$272.00	\$7,072.00
12	STORM SEWER, TRENCHLESS, RCP, 36IN.	LF	50.000	50.000	50.000	\$810.00	\$40,500.00
13	REMOVAL OF STORM SEWER, HDPE, 8" DIA	LF	8.000	8.000	8.000	\$18.00	\$144.00
14	REMOVAL OF STORM SEWER, RCP, 24" DIA	LF	112.000	112.000	112.000	\$19.00	\$2,128.00
15	REMOVAL OF STORM SEWER, RCP, 36" DIA	LF	206.000	206.000	206.000	\$22.00	\$4,532.00
16	REMOVAL OF STORM SEWER, RCP, 60" DIA	LF	45.000	45.000	45.000	\$35.00	\$1,575.00
17	REMOVAL OF STORM SEWER, RCP, 72" DIA	LF	115.000	115.000	115.000	\$44.00	\$5,060.00
18	STORM SEWER ABANDONMENT, FILL AND PLUG	LF	57.000	0.000	0.000	\$98.00	\$0.00
19	PIPE APRON, RCP, 15" DIA INCLUDES FOOTING & GUARD	EACH	1.000	1.000	1.000	\$2,800.00	\$2,800.00
20	PIPE APRON, RCP, 24" DIA INCLUDES FOOTING & GUARD	EACH	4.000	4.000	4.000	\$3,800.00	\$15,200.00
21	PIPE APRON, RCP, 36" DIA INCLUDES FOOTING & GUARD	EACH	5.000	5.000	5.000	\$5,200.00	\$26,000.00
22	PIPE APRON, RCP, 42" DIA INCLUDES FOOTING & GUARD	EACH	6.000	6.000	6.000	\$5,800.00	\$34,800.00
23	PIPE APRON, RCP, 48" DIA INCLUDES FOOTING & GUARD	EACH	4.000	4.000	4.000	\$5,600.00	\$22,400.00
24	PIPE APRON, RCP, 60" DIA INCLUDES FOOTING & GUARD	EACH	1.000	1.000	1.000	\$8,100.00	\$8,100.00
25	MANHOLE, SW-401, 60 IN.	EACH	1.000	1.000	1.000	\$4,000.00	\$4,000.00
26	MANHOLE, SW-401, 84 IN.	EACH	4.000	4.000	4.000	\$7,700.00	\$30,800.00
27	MANHOLE, SW-401, 96 IN.	EACH	1.000	1.000	1.000	\$12,200.00	\$12,200.00
28	INTAKE, SW-513, OPEN-SIDED AREA INTAKE	EACH	3.000	3.000	3.000	\$5,640.00	\$16,920.00
29	MANHOLE ADJUSTMENT, MAJOR (SANITARY MANHOLE)	EACH	3.000	3.000	3.000	\$1,400.00	\$4,200.00
30	REMOVE INTAKE	EACH	1.000	1.000	1.000	\$1,300.00	\$1,300.00
31	PAVEMENT, PCC, 6 IN.	SY	83.000	83.000	83.000	\$67.00	\$5,561.00
32	REMOVAL OF DRIVEWAY	SY	991.000	991.000	991.000	\$3.25	\$3,220.75
33	DRIVEWAY, GRANULAR, CLASS "A" CRUSHED STONE, 6 IN.	TON	333.000	765.420	765.420	\$23.00	\$17,604.66
34	PAVEMENT REMOVAL	SY	979.000	979.000	979.000	\$6.00	\$5,874.00
35	CONVENTIONAL SEEDING, SEEDING, FERTILIZING, AND MULCHING, T	ACRE	15.500	7.400	7.400	\$1,200.00	\$8,880.00
36	HYDRAULIC SEEDING, SEEDING, FERTILIZING, AND MULCHING, TYPE	ACRE	15.500	14.850	14.850	\$2,400.00	\$35,640.00
37	WETLAND PLANTINGS, WET PARAIIE SEED MIX	ACRE	2.400	2.400	2.400	\$2,500.00	\$6,000.00
38	WETLAND PLANTINGS, WET EDGE SEED MIX	ACRE	9.100	9.100	9.100	\$1,990.00	\$18,109.00
39	WETLAND PLANTINGS, EMERGENT WETLAND PLUG	EACH	164,500.000	148,836.000	148,836.000	\$3.15	\$468,833.40
40	SWPPP MANAGEMENT	LS	1.000	1.000	1.000	\$5,000.00	\$5,000.00
41	RIP RAP, CLASS D	TON	210.000	210.000	210.000	\$95.00	\$19,950.00
42	SEDIMENT BASIN, REMOVAL OF SEDIMENT	EACH	1.000	1.000	1.000	\$2,500.00	\$2,500.00
43	SILT FENCE OR SILT FENCE DITCH CHECK	LF	12,327.000	16,161.000	16,161.000	\$1.75	\$28,281.75
44	SILT FENCE OR SILT FENCE DITCH CHECK, REMOVAL OF DEVICE	LF	12,327.000	13,030.000	13,030.000	\$0.25	\$3,257.50
45	EROSION CONTROL MULCHING, CONVENTIONAL	ACRE	14.250	2.000	2.000	\$925.00	\$1,850.00
46	TURF REINFORCEMENT MAT, TYPE 2	SQ	101.000	67.580	67.580	\$51.00	\$3,446.58
47	TURF REINFORCEMENT MAT, TYPE 3	SQ	13.000	13.000	13.000	\$102.00	\$1,326.00
48	FLOW TRANSITION MAT	SF	792.000	792.000	792.000	\$14.30	\$11,325.60
49	ARTICULATED CONCRETE BLOCK HARD ARMOR MATTING	SF	15,113.000	14,738.000	14,738.000	\$12.50	\$184,225.00
50	CHAIN LINK FENCE, BLACK PVC COATED, 8 FT. TALL	LF	503.000	559.000	559.000	\$29.00	\$16,211.00
51	GATES, BLACK PVC COATED, 8 FT. TALL, 26 FT. WIDE	EACH	1.000	1.000	1.000	\$1,425.00	\$1,425.00
52	REMOVAL OF FENCE	LF	4,482.000	4,482.000	4,482.000	\$4.50	\$20,169.00
53	CONSTRUCTION SURVEY	LS	1.000	1.000	1.000	\$50,000.00	\$50,000.00
54	MONUMENT PRESERVATION OR REPLACEMENT	LS	1.000	1.000	1.000	\$5,000.00	\$5,000.00
55	MOBILIZATION	LS	1.000	1.000	1.000	\$142,000.00	\$142,000.00
56	CONCRETE WASHOUT	LS	1.000	1.000	1.000	\$1,500.00	\$1,500.00
57	EMBANKMENT-IN-PLACE	CY	40,900.000	40,900.000	40,900.000	\$2.20	\$89,980.00
58	GATEWELL #151 ABANDONMENT	LS	1.000	1.000	1.000	\$32,200.00	\$32,200.00
59	GATEWELL #153 ABANDONMENT	LS	1.000	1.000	1.000	\$28,200.00	\$28,200.00
60	GATEWELL #157 ABANDONMENT	LS	1.000	1.000	1.000	\$22,500.00	\$22,500.00

LINE NO.	DESCRIPTION	UNIT	UNITS			UNIT PRICE	TOTAL AMOUNT
			ESTIMATED	AUTHORIZED	CONSTRUCTED TO DATE		
61	WELL PLUGGING AND ABANDONMENT, INCLUDES 2 TEST AND MONIT	LS	1.000	1.000	1.000	\$6,500.00	\$6,500.00
62	SEEDING, LEVEE MIX	ACRE	5.500	5.500	5.500	\$2,900.00	\$15,950.00
63	RIP RAP, CLASS D	TON	1,350.000	1,346.000	1,346.000	\$75.00	\$100,950.00
1.01	SC-150BN EROSION CONTROL BLANKET	SY	18,278.000	18,506.000	18,506.000	\$2.70	\$49,966.20
2.01	LOAD/HAUL CONTAMINATED MATERIAL	TON	800.000	509.200	509.200	\$10.55	\$5,372.06
2.02	LOAD/HAUL CONTAMINATED MATERIAL FROM STOCKPILE	TON	100.000	0.000	0.000	\$11.99	\$0.00
3.01	84 INCH MANHOLE RISER	LF	3.000	3.000	3.000	\$1,109.70	\$3,329.10
4.01	VACUUM WELLPOINT SYSTEM	LS	1.000	1.000	1.000	\$45,000.00	\$45,000.00
5.01	REMOVE/HAUL DART POND STRUCTURE	LS	1.000	1.000	1.000	\$7,596.23	\$7,596.23
6.01	DEBRIS EXCAVATION AND HAULING	LS	1.000	1.000	1.000	\$26,000.00	\$26,000.00
6.02	FOREMAN PICKUP	HOUR	40.000	0.500	0.500	\$110.00	\$55.00
6.03	D6 DOZER	HOUR	40.000	41.000	41.000	\$343.00	\$14,063.00
6.04	EXCAVATOR WITH GPS	HOUR	80.000	63.000	63.000	\$343.00	\$21,609.00
6.05	SHEEPS FOOT COMPACTOR	HOUR	40.000	0.000	0.000	\$185.00	\$0.00
6.06	45 TON ADT	HOUR	40.000	30.000	30.000	\$319.00	\$9,570.00
7.01	LOAD & HAUL CLASS 10 TO LEVEE	CY	0.000	0.000	12760.000	\$4.60	\$58,696.00
7.02	JULY DEWATERING	LS	0.000	0.000	1.000	\$92,487.00	\$92,487.00
7.03	ABANDON & PLUG 10-INCH CMP & INTAKE	LS	0.000	0.000	1.000	\$16,600.00	\$16,600.00
7.04	ADD FILL AT UTILITY GUIDE POLE	LS	0.000	0.000	1.000	\$5,220.00	\$5,220.00
7.05	ADD GATEWELL CMP ABANDENMENT	LF	0.000	0.000	37.000	\$152.67	\$5,648.79
8.01	PROGANICS 4000 lbs/acre	ACRE	0.000	0.000	6.200	\$6,600.00	\$40,920.00
9.01	EROSION SHAPING & MITIGATION	LS	0.000	0.000	1.000	\$1,106.04	\$1,106.04
9.02	CLEANING OF PUMP STATION WET WELL	DAY	0.000	0.000	6.000	\$8,106.00	\$48,636.00
10.01	CONCRETE MATTING	SF	0.000	0.000	240.000	\$68.67	\$16,480.80
11.01	6-INCH SUBDRAIN & TOPSOIL	LF	0.000	0.000	70.000	\$61.77	\$4,323.90
TOTAL CONTRACT AMOUNT PLUS CHANGE ORDERS			\$3,554,728.86				
PARTIAL PAYMENT #1			\$271,460.08				
PARTIAL PAYMENT #2			\$410,765.16				
PARTIAL PAYMENT #3			\$38,437.41				
PARTIAL PAYMENT #4			\$557,415.61				
PARTIAL PAYMENT #5			\$344,310.75				
PARTIAL PAYMENT #6			\$484,532.55				
PARTIAL PAYMENT #7			\$459,788.97				
PARTIAL PAYMENT #8			\$275,582.05				
PARTIAL PAYMENT #9			\$380,469.21				
PARTIAL PAYMENT #10			\$37,592.02				
PARTIAL PAYMENT #11			\$99,533.20				
PARTIAL PAYMENT #12			\$48,249.78				
PARTIAL PAYMENT #13			\$30,240.67				
PARTIAL PAYMENT #14			\$2,815.42				
PARTIAL PAYMENT #15			\$6,894.11				
THIS PARTIAL PAYMENT			\$0.00				
TOTAL PARTIAL PAYMENTS			\$3,448,086.99				
BALANCE			\$106,641.87				
			97				

PREPARED BY: *Tom Beady*

CHECKED BY: _____

TOTAL	\$3,554,728.86
RETAINAGE	\$106,641.87
TOTAL LESS RETAINAGE	\$3,448,086.99
LESS PREVIOUS PAYMENT	\$3,448,086.99
AMOUNT DUE	\$0.00

FINAL PARTIAL PAYMENT NO.16