

# MEMORANDUM

**TO:** Programs, Projects and Operations Subcommittee

**FROM:** Martin P. Cleveland

**SUBJECT:** Papillion Creek Watershed Structures S-27 and S-32 Rehabilitation Project Bids

**DATE:** July 30, 2007

Attached is a location map for the referenced earthen dam rehabilitation project. This project will upgrade two existing 1970's vintage dams to high hazard classification to reflect development (houses and roads), that are located downstream of the dams.

The bid summary for the rehabilitation project is as follows:

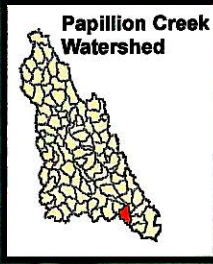
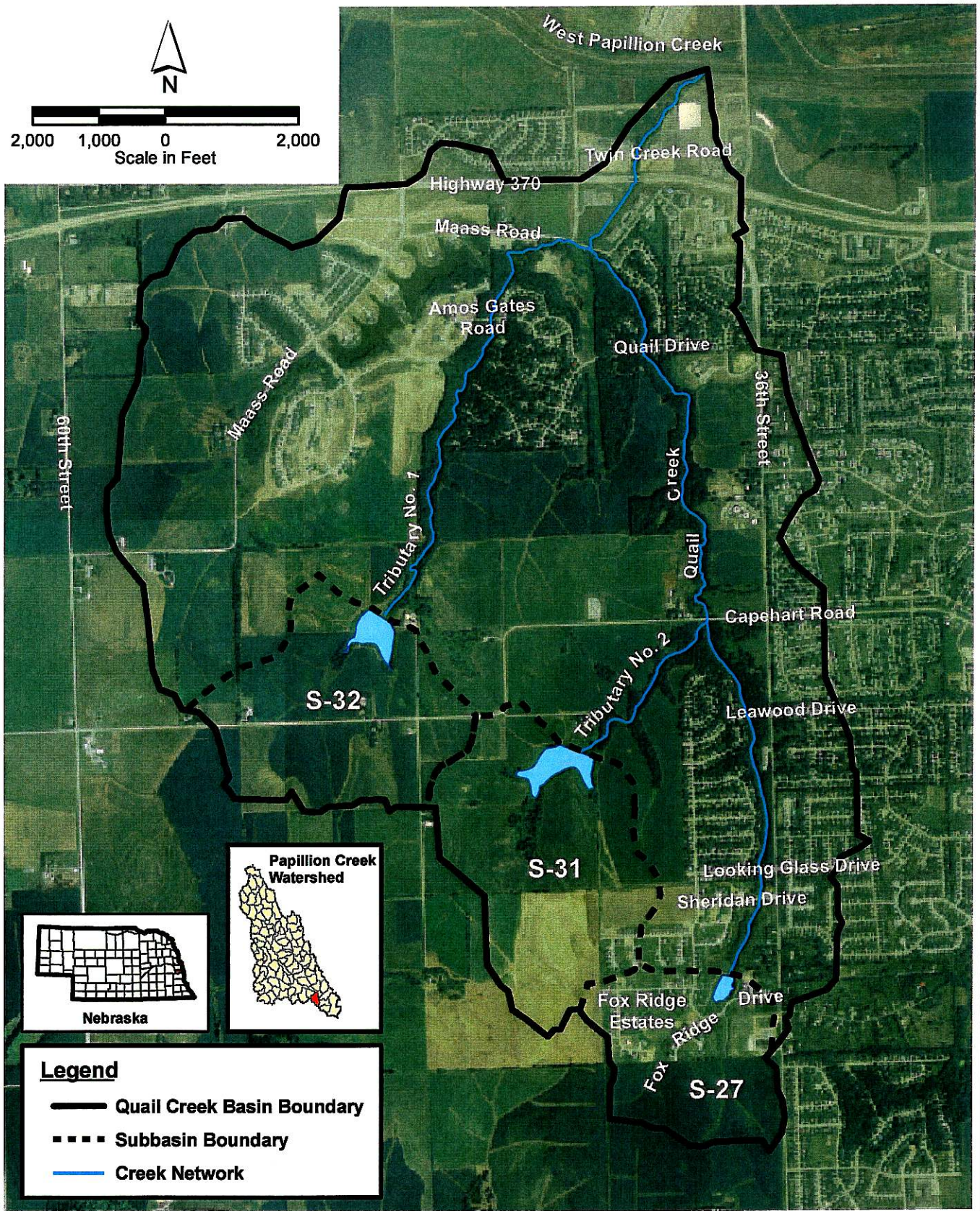
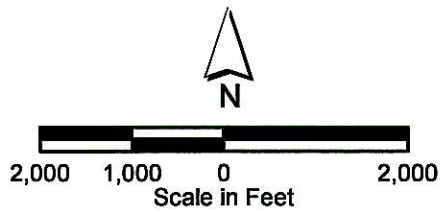
	<b>TOTAL BASE BID FOR S-27 AND S-32</b>
<b>CONSULTANT'S OPINION</b>	\$872,008.00
<b>THOMPSON CONSTRUCTION, INC.</b>	\$865,843.30

See attached detailed bid summary for individual items.

One bid was received and the apparent low bidder is Thompson Construction, Inc., with a total base bid of \$865,843.30. The Consultant's Opinion of Probable Construction Cost by HDR Engineering project is \$872,008.00.

This work will be funded via funds included in (account 03 12 4479). The proposed Fiscal Year 2008 budget includes \$1,674,000 in this account. The Natural Resources Conservation Service will reimburse the District for approximately 65% of the total project costs (right of way and construction).

**It is Management's recommendation that the Subcommittee recommend to the Board of Directors that the General Manager be authorized to execute a contract with Thompson Construction, Inc., for a total base bid of \$865,843.30 for construction the Papio Creek Watershed Structures S-27 and S-32 Rehabilitation Project.**



**Legend**

- Quail Creek Basin Boundary
- Subbasin Boundary
- Creek Network

Source: Farm Service Agency, 2003 (Aerial Photography)

Z:\Projects\NRCSS19310\_Watershed\_Rehab\map\_docs\arcmap\Project\_Map\_S-1.mxd



**Project Map**  
**Quail Creek Basin**

Papio Creek Watershed Structures S-27, S-31, and S-32  
 NRCS Watershed Rehabilitation Program

DATE	July 2005
EXHIBIT	S-1

## Summary of Bid Proposals

**Project:** Papillion Creek Watershed Structures S-27 and S-32      NRD Project No. 502  
 Rehabilitation Project  
**Opening Date:** July 27, 2007      Opening Time: 2:00 p.m.

	1	2	3	4
<b>Bidder Name:</b>	Consultant's Opinion of Cost	Thompson Construction Inc.		

1. Bid Subtotal for S-27	\$509,975	\$470,692.80	
2. Bid Subtotal for S-32	\$362,033	\$395,150.50	
3. Total Base Bid for S-27 and S-32	\$872,008	\$865,846.30	

<b>Bid Bond (5%)</b>	Yes
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\*Apparent Low Bidder is Thompson Construction Inc.

Watershed Rehabilitation Program  
Papio Creek Watershed  
Structures S-27 and S-32  
Bid Summary

Item	Description	Spec. #	Quantity	Unit	Unit Cost	Total Cost	Math Check
<b>COMPANY:</b> Thompson Construction, Inc.							
<b>ADDRESS:</b> PO Box 640							
<b>CITY, STATE:</b> Arlington NE 68002							
<b>REPRESENTATIVE:</b> Kelly Thompson							
<b>TELEPHONE NO.:</b>							
<b>EMAIL ADDRESS:</b>							
<b>STRUCTURE: S-27</b>							
1	Mobilization and Demobilization	8	1	LS	\$30,000.00	\$30,000.00	\$30,000.00
2	Water for Construction	10	74	1000 GALS	\$80.00	\$5,920.00	\$5,920.00
3	Dewatering	11	1	LS	\$22,000.00	\$22,000.00	\$22,000.00
4	Clearing and Grubbing	2	1	LS	\$2,000.00	\$2,000.00	\$2,000.00
5	Structure Removal, Concrete Bike Path	3	1	LS	\$3,000.00	\$3,000.00	\$3,000.00
6	Excavation, Common	21	6,760	CY	\$3.50	\$23,660.00	\$23,660.00
7	Excavation, Accumulated Sediment	21	6,000	CY	\$8.00	\$48,000.00	\$48,000.00
8	Earthfill, Class A Compaction	23	10,646	CY	\$2.00	\$21,292.00	\$21,292.00
9	Earthfill, Bike Path	23	480	CY	\$2.75	\$1,320.00	\$1,320.00
10	Drainfill, Foundation Drain System	24	73	CY	\$60.00	\$4,380.00	\$4,380.00
11	Drainfill, Seepage Protection Filter System	24	254	CY	\$50.00	\$12,700.00	\$12,700.00
12	Salvaging and Spreading Topsoil	26	6,430	SY	\$1.00	\$6,430.00	\$6,430.00
13	Concrete	31	39.9	CY	\$1,200.00	\$47,880.00	\$47,880.00
14	Concrete for Bike Path	32	226	CY	\$210.00	\$47,460.00	\$47,460.00
15	Steel Reinforcement	34	6,378	LBS.	\$1.50	\$9,567.00	\$9,567.00
16	Reinforced Concrete Pipe (36-inch Dia.)	41	184.7	LF	\$354.00	\$65,383.80	\$65,383.80
17	Plastic Pipe, Drawdown Pipe	45	30	LF	\$65.00	\$1,950.00	\$1,950.00
18	Plastic Pipe, Drainage System	45	102	LF	\$15.00	\$1,530.00	\$1,530.00
19	Metal Fabrication and Installation	81	1	LS	\$11,000.00	\$11,000.00	\$11,000.00
20	Diversions	27	280	LF	\$2.50	\$700.00	\$700.00
21	Rock Riprap (Plunge Pool)	212	567	CY	\$110.00	\$62,370.00	\$62,370.00
22	Grouted Rock Riprap	212	26	CY	\$200.00	\$5,200.00	\$5,200.00
23	Seeding and Mulching	6	6	AC	\$1,600.00	\$9,600.00	\$9,600.00
24	Shoreline Seeding	6	0.5	AC	\$2,100.00	\$1,050.00	\$1,050.00
25	Temporary Mulching	6	6	AC	\$550.00	\$3,300.00	\$3,300.00
26	Surveying and Staking	7	1	LS	\$15,000.00	\$15,000.00	\$15,000.00
27	Conduit Removal	444	1	LS	\$3,000.00	\$3,000.00	\$3,000.00
28	Pollution Control	5	1	LS	\$5,000.00	\$5,000.00	\$5,000.00
<b>SUBTOTAL FOR STRUCTURE: S-27</b>							<b>\$470,692.80</b>

Watershed Rehabilitation Program  
Papio Creek Watershed  
Structures S-27 and S-32  
Bid Summary

<b>COMPANY</b>	Thompson Construction, Inc.						
<b>ADDRESS</b>	PO Box 640						
<b>CITY, STA</b>	Arlington NE 68002						
<b>REPRESE</b>	Kelly Thompson						
<b>TELEPHONE NO.:</b>							
<b>EMAIL ADDRESS:</b>							
Item	Description	Spec. #	Quantity	Unit	Unit Cost	Total Cost	Math Check
	<b>STRUCTURE: S-32</b>						
1	Mobilization and Demobilization	8	1	LS	\$20,000.00	\$20,000.00	\$20,000.00
2	Water for Construction	10	60	1000 GALS	\$85.00	\$5,100.00	\$5,100.00
3	Dewatering	11	1	LS	\$36,000.00	\$36,000.00	\$36,000.00
4	Clearing and Grubbing	2	1	LS	\$3,000.00	\$3,000.00	\$3,000.00
5	Structure Removal, Concrete Sidewalk	3	1	LS	\$2,000.00	\$2,000.00	\$2,000.00
6	Excavation, Common	21	6,970	CY	\$3.50	\$24,395.00	\$24,395.00
7	Earthfill, Class A Compaction	23	9,570	CY	\$2.25	\$21,532.50	\$21,532.50
8	Drainfill, Foundation Drain System	24	88	CY	\$60.00	\$5,280.00	\$5,280.00
9	Drainfill, Seepage Protection Filter System	24	190	CY	\$50.00	\$9,500.00	\$9,500.00
10	Salvaging and Spreading Topsoil	26	5,200	SY	\$1.00	\$5,200.00	\$5,200.00
11	Concrete	31	26	CY	\$1,300.00	\$33,800.00	\$33,800.00
12	Concrete Sidewalk	32	6	CY	\$300.00	\$1,800.00	\$1,800.00
13	Steel Reinforcement	34	3,034	LBS.	\$2.00	\$6,068.00	\$6,068.00
14	Reinforced Concrete Pipe (30-inch Dia.)	41	218.7	LF	\$300.00	\$65,610.00	\$65,610.00
15	Plastic Pipe, Drawdown Pipe	45	30	LF	\$65.00	\$1,950.00	\$1,950.00
16	Plastic Pipe, Drainage System	45	100	LF	\$15.00	\$1,500.00	\$1,500.00
17	Metal Fabrication and Installation	81	1	LS	\$11,000.00	\$11,000.00	\$11,000.00
18	Diversions	27	700	LF	\$2.75	\$1,925.00	\$1,925.00
19	Rock Riprap (Plunge Pool)	212	356	CY	\$110.00	\$39,160.00	\$39,160.00
20	Grouted Rock Riprap	212	25	CY	\$200.00	\$5,000.00	\$5,000.00
21	Rock Riprap (Dam Front Slope)	212	525	CY	\$92.00	\$48,300.00	\$48,300.00
22	Seeding and Mulching	6	9.5	AC	\$1,650.00	\$15,675.00	\$15,675.00
23	Shoreline Seeding	6	0.3	AC	\$2,100.00	\$630.00	\$630.00
24	Temporary Mulching	6	9.5	AC	\$550.00	\$5,225.00	\$5,225.00
25	Surveying and Staking	7	1	LS	\$15,000.00	\$15,000.00	\$15,000.00
26	Conduit Removal	444	1	LS	\$5,500.00	\$5,500.00	\$5,500.00
27	Pollution Control	5	1	LS	\$5,000.00	\$5,000.00	\$5,000.00
	<b>SUBTOTAL FOR STRUCTURE: S-32</b>						<b>\$395,150.50</b>
	<b>TOTAL BASE BID PRICE FOR STRUCTURES S-27 AND S-32</b>						<b>\$865,843.30</b>

Watershed Rehabilitation Program  
Papio Creek Watershed  
Structures S-27 and S-32

COMPANY NAME: ADDRESS: CITY, STATE, ZIP: REPRESENTATIVE: TELEPHONE NO.: EMAIL ADDRESS:				ENGINEERS OPINION OF APPROXIMATE COSTS PREPARED BY HDR ENGINEERING			
Item	Description	Spec. #	Quantity	Unit	Unit Cost	Total Cost	Math Check
<b>STRUCTURE: S-27</b>							
1	Mobilization and Demobilization	8	1	LS	\$ 11,000.00	\$ 11,000.00	\$11,000.00
2	Water for Construction	10	74	1000 GALS	\$ 50.00	\$ 3,700.00	\$3,700.00
3	Dewatering	11	1	LS	\$ 10,000.00	\$ 10,000.00	\$10,000.00
4	Clearing and Grubbing	2	1	LS	\$ 5,000.00	\$ 5,000.00	\$5,000.00
5	Structure Removal, Concrete Bike Path	3	1	LS	\$ 1,000.00	\$ 1,000.00	\$1,000.00
6	Excavation, Common	21	6,760	CY	\$ 8.00	\$ 54,080.00	\$54,080.00
7	Excavation, Accumulated Sediment	21	6,000	CY	\$ 8.00	\$ 48,000.00	\$48,000.00
8	Earthfill, Class A Compaction	23	10,646	CY	\$ 6.00	\$ 63,876.00	\$63,876.00
9	Earthfill, Bike Path	23	480	CY	\$ 2.00	\$ 960.00	\$960.00
10	Drainfill, Foundation Drain System	24	73	CY	\$ 46.00	\$ 3,358.00	\$3,358.00
11	Drainfill, Seepage Protection Filter System	24	254	CY	\$ 71.00	\$ 18,034.00	\$18,034.00
12	Salvaging and Spreading Topsoil	26	6,430	SY	\$ 1.00	\$ 6,430.00	\$6,430.00
13	Concrete	31	39.9	CY	\$ 650.00	\$ 25,935.00	\$25,935.00
14	Concrete for Bike Path	32	226	CY	\$ 300.00	\$ 67,800.00	\$67,800.00
15	Steel Reinforcement	34	6,378	LBS.	\$ 2.00	\$ 12,756.00	\$12,756.00
16	Reinforced Concrete Pipe (36-inch Dia.)	41	184.7	LF	\$ 400.00	\$ 73,880.00	\$73,880.00
17	Plastic Pipe, Drawdown Pipe	45	30	LF	\$ 26.00	\$ 780.00	\$780.00
18	Plastic Pipe, Drainage System	45	102	LF	\$ 8.00	\$ 816.00	\$816.00
19	Metal Fabrication and Installation	81	1	LS	\$ 7,000.00	\$ 7,000.00	\$7,000.00
20	Diversions	27	280	LF	\$ 2.00	\$ 560.00	\$560.00
21	Rock Riprap (Plunge Pool)	212	567	CY	\$ 120.00	\$ 68,040.00	\$68,040.00
22	Grouted Rock Riprap	212	26	CY	\$ 95.00	\$ 2,470.00	\$2,470.00
23	Seeding and Mulching	6	6	AC	\$ 900.00	\$ 5,400.00	\$5,400.00
24	Shoreline Seeding	6	0.5	AC	\$ 600.00	\$ 300.00	\$300.00
25	Temporary Mulching	6	6	AC	\$ 300.00	\$ 1,800.00	\$1,800.00
26	Surveying and Staking	7	1	LS	\$ 6,000.00	\$ 6,000.00	\$6,000.00
27	Conduit Removal	444	1	LS	\$ 8,000.00	\$ 8,000.00	\$8,000.00
28	Pollution Control	5	1	LS	\$ 3,000.00	\$ 3,000.00	\$3,000.00
<b>SUBTOTAL FOR STRUCTURE: S-27</b>							<b>\$509,975.00</b>

Watershed Rehabilitation Program  
Papio Creek Watershed  
Structures S-27 and S-32

COMPANY NAME: ADDRESS: CITY, STATE, ZIP: REPRESENTATIVE: TELEPHONE NO.: EMAIL ADDRESS:					ENGINEERS OPINION OF APPROXIMATE COSTS PREPARED BY HDR ENGINEERING		
Item	Description	Spec. #	Quantity	Unit	Unit Cost	Total Cost	Math Check
<b>STRUCTURE: S-32</b>							
1	Mobilization and Demobilization	8	1	LS	\$ 12,000.00	\$ 12,000.00	\$12,000.00
2	Water for Construction	10	60	1000 GALS	\$ 50.00	\$ 3,000.00	\$3,000.00
3	Dewatering	11	1	LS	\$ 10,000.00	\$ 10,000.00	\$10,000.00
4	Clearing and Grubbing	2	1	LS	\$ 28,000.00	\$ 28,000.00	\$28,000.00
5	Structure Removal, Concrete Sidewalk	3	1	LS	\$ 1,000.00	\$ 1,000.00	\$1,000.00
6	Excavation, Common	21	6,970	CY	\$ 8.00	\$ 55,760.00	\$55,760.00
7	Earthfill, Class A Compaction	23	9,570	CY	\$ 4.50	\$ 43,065.00	\$43,065.00
8	Drainfill, Foundation Drain System	24	88	CY	\$ 40.00	\$ 3,520.00	\$3,520.00
9	Drainfill, Seepage Protection Filter System	24	190	CY	\$ 60.00	\$ 11,400.00	\$11,400.00
10	Salvaging and Spreading Topsoil	26	5,200	SY	\$ 1.00	\$ 5,200.00	\$5,200.00
11	Concrete	31	26	CY	\$ 600.00	\$ 15,600.00	\$15,600.00
12	Concrete Sidewalk	32	6	CY	\$ 300.00	\$ 1,800.00	\$1,800.00
13	Steel Reinforcement	34	3,034	LBS.	\$ 2.00	\$ 6,068.00	\$6,068.00
14	Reinforced Concrete Pipe (30-inch Dia.)	41	218.7	LF	\$ 200.00	\$ 43,740.00	\$43,740.00
15	Plastic Pipe, Drawdown Pipe	45	30	LF	\$ 26.00	\$ 780.00	\$780.00
16	Plastic Pipe, Drainage System	45	100	LF	\$ 8.00	\$ 800.00	\$800.00
17	Metal Fabrication and Installation	81	1	LS	\$ 7,000.00	\$ 7,000.00	\$7,000.00
18	Diversions	27	700	LF	\$ 0.50	\$ 350.00	\$350.00
19	Rock Riprap (Plunge Pool)	212	356	CY	\$ 85.00	\$ 30,260.00	\$30,260.00
20	Grouted Rock Riprap	212	25	CY	\$ 95.00	\$ 2,375.00	\$2,375.00
21	Rock Riprap (Dam Front Slope)	212	525	CY	\$ 75.00	\$ 39,375.00	\$39,375.00
22	Seeding and Mulching	6	9.5	AC	\$ 900.00	\$ 8,550.00	\$8,550.00
23	Shoreline Seeding	6	0.3	AC	\$ 600.00	\$ 180.00	\$180.00
24	Temporary Mulching	6	9.5	AC	\$ 300.00	\$ 2,850.00	\$2,850.00
25	Surveying and Staking	7	1	LS	\$ 5,000.00	\$ 5,000.00	\$5,000.00
26	Conduit Removal	444	1	LS	\$ 17,360.00	\$ 17,360.00	\$17,360.00
27	Pollution Control	5	1	LS	\$ 7,000.00	\$ 7,000.00	\$7,000.00
<b>SUBTOTAL FOR STRUCTURE: S-32</b>							<b>\$362,033.00</b>
<b>TOTAL BASE BID PRICE FOR STRUCTURES S-27 AND S-32</b>							<b>\$872,008.00</b>