



MEMORANDUM

TO: Kabetogama Town Board Members

FROM: Sara Christenson & Colin Marcusen
Project Engineers

DATE: March 17, 2015

RE: Puck's Point SSD Engineering Updates
SEH No. KABET 119468 14

This memo shall serve to provide you with updates on the PPSSD engineering items for the Township meeting on March 17, 2015.

- **Collection System Bid: 3 bids received**

Low Bidder: Wagner Construction - \$1,777,880.00 or \$1,796,380.00

Bid tabulation for Wagner Construction, Utility Systems of America, and Low Impact Excavators attached.

- **Pre-treatment System Bid: 3 bids received**

Low Bidder: Magney Construction - \$1,323,600.00

Bid tabulation from Magney, Utility Systems of America and Wagner attached.

- **Dispersal System Bid: 4 bids received**

Low Bidder: Viita's Excavating - \$362,277.00

Bid tabulation from Viita's, Low Impact Excavators, Septic Check, and Utility Systems of America attached.

- **Project Total:**

Collection: \$1,777,880.00

Treatment: \$1,323,600.00

Dispersal: \$362,277.00

TOTAL: \$3,463,757.00

Target Rebid: \$2,836,850.00 **Current Bid \$626,907.00 over target rebid**

Cost Per Month: **\$100/EDU**

- **Recommendations:**

Current bids would lead to a cost per month per EDU of greater than \$100. The bids can remain subject to acceptance for 90 days – June 9, 2015. It is recommended that award or rejection of the bids be delayed to allow time to secure additional funding – bonding bill or Corps of Engineers.

Cc: Mary Manninen, Township Clerk and Jill Kiner, Township Treasurer



TABULATION OF BIDS

PROJECT NO.: **KABET 114902**
 NAME: **2015 SANITARY SEWER COLLECTION SYSTEM**
 OWNER: **KABETOGAMA TOWNSHIP, MN**
 BID DATE: **WEDNESDAY, MARCH 11, 2015 @ 11:00 A.M.**

ITEM	QUANTITY	UNIT	DESCRIPTION	ENGINEER'S ESTIMATE		WAGNER CONSTRUCTION ¹		UTILITY SYSTEMS OF AMERIC/ ²		LOW IMPACT EXCAVATORS ³	
				UNIT COST	TOTAL	UNIT COST	TOTAL	UNIT COST	TOTAL	UNIT COST	TOTAL
BASE BID											
GENERAL											
1	1.00	LS	MOBILIZATION	\$25,000.00	\$25,000.00	\$50,000.00	\$50,000.00	\$100,000.00	\$100,000.00	\$100,000.00	\$100,000.00
2	1.00	LS	EROSION CONTROL AND TURF RESTORATION	\$50,000.00	\$50,000.00	\$45,000.00	\$45,000.00	\$11,000.00	\$11,000.00	\$50,000.00	\$50,000.00
3	1.00	LS	CLEARING AND GRUBBING	\$20,000.00	\$20,000.00	\$20,000.00	\$20,000.00	\$9,000.00	\$9,000.00	\$20,000.00	\$20,000.00
4	12.00	EA	REMOVE EXISTING TANK	\$1,400.00	\$16,800.00	\$1,400.00	\$16,800.00	\$1,000.00	\$12,000.00	\$1,000.00	\$12,000.00
PIPING AND TRANSMISSION											
5	2,274.00	LF	3" HDPE FORCE MAIN PIPE (9' DEPTH, TRENCHLESS, ROCK)	\$59.00	\$134,166.00	\$88.00	\$200,112.00	\$95.00	\$216,030.00	\$130.00	\$295,620.00
6	1.00	EA	3" GATE VALVE AND BOX	\$800.00	\$800.00	\$1,750.00	\$1,750.00	\$1,500.00	\$1,500.00	\$1,500.00	\$1,500.00
7	2,294.00	LF	2" HDPE FORCE MAIN (9' DEPTH, TRENCHLESS, SOIL)	\$18.00	\$41,292.00	\$18.00	\$41,292.00	\$19.00	\$43,586.00	\$45.00	\$103,230.00
8	893.00	LF	2" HDPE FORCE MAIN (9' DEPTH, TRENCHLESS, ROCK)	\$30.00	\$26,790.00	\$88.00	\$78,584.00	\$95.00	\$84,835.00	\$128.00	\$114,304.00
9	2.00	EA	2" CURB STOP AND BOX	\$1,500.00	\$3,000.00	\$1,500.00	\$3,000.00	\$1,500.00	\$3,000.00	\$1,500.00	\$3,000.00
10	105.00	LF	1 1/2" PE FORCE MAIN (9' DEPTH, TRENCHLESS, SOIL)	\$16.00	\$1,680.00	\$19.00	\$1,995.00	\$28.00	\$2,940.00	\$75.00	\$7,875.00
11	1,011.00	LF	1 1/2" PE FORCE MAIN (9' DEPTH, TRENCHLESS, ROCK)	\$58.00	\$58,638.00	\$87.00	\$87,957.00	\$95.00	\$96,045.00	\$135.00	\$136,485.00
12	1,356.00	LF	1 1/2" PE FORCE MAIN (INSULATED 1'-2' DEPTH)	\$43.00	\$58,308.00	\$43.00	\$58,308.00	\$75.00	\$101,700.00	\$48.00	\$65,088.00
13	2.00	EA	1 1/2" CURB STOP AND BOX	\$700.00	\$1,400.00	\$700.00	\$1,400.00	\$1,250.00	\$2,500.00	\$1,000.00	\$2,000.00
14	690.00	LF	1 1/4" HDPE SERVICE (9' DEPTH, TRENCHLESS, SOIL)	\$31.00	\$21,390.00	\$30.00	\$20,700.00	\$34.00	\$23,460.00	\$60.00	\$41,400.00
15	2,085.00	LF	1 1/4" HDPE SERVICE (9' DEPTH, TRENCHLESS, ROCK)	\$58.00	\$120,930.00	\$109.00	\$227,265.00	\$104.00	\$216,840.00	\$143.00	\$298,155.00
16	4.00	EA	FORCE MAIN FLUSHING CONNECTION	\$4,700.00	\$18,800.00	\$2,000.00	\$8,000.00	\$3,000.00	\$12,000.00	\$2,000.00	\$8,000.00
17	5.00	EA	MAIN LINE TRACER WIRE ACCESS BOX	\$550.00	\$2,750.00	\$500.00	\$2,500.00	\$200.00	\$1,000.00	\$550.00	\$2,750.00
18	1.00	EA	AIR RELEASE MANHOLE 3" FM	\$6,500.00	\$6,500.00	\$6,500.00	\$6,500.00	\$7,000.00	\$7,000.00	\$6,500.00	\$6,500.00
19	1.00	EA	AIR RELEASE MANHOLE 2" FM	\$6,000.00	\$6,000.00	\$6,000.00	\$6,000.00	\$5,000.00	\$5,000.00	\$6,000.00	\$6,000.00
20	1.00	EA	AIR RELEASE MANHOLE 1.5" FM	\$5,700.00	\$5,700.00	\$5,700.00	\$5,700.00	\$5,000.00	\$5,000.00	\$5,700.00	\$5,700.00
21	200.00	CY	STREET RESTORATION - GRAVEL (AS NEEDED)	\$35.00	\$7,000.00	\$35.00	\$7,000.00	\$35.00	\$7,000.00	\$35.00	\$7,000.00
22	200.00	SQ YD	STREET RESTORATION - COUNTY ROAD (AS NEEDED)	\$60.00	\$12,000.00	\$60.00	\$12,000.00	\$15.00	\$3,000.00	\$60.00	\$12,000.00
23	14.00	EA	ROCK EXCAVATION LATERAL ASSEMBLY	\$1,000.00	\$14,000.00	\$1,000.00	\$14,000.00	\$2,500.00	\$35,000.00	\$1,000.00	\$14,000.00
24	4,560.00	CY	COMMON BORROW	\$14.00	\$63,840.00	\$4.00	\$18,240.00	\$18.00	\$82,080.00	\$18.00	\$82,080.00
25	1,100.00	CY	TOPSOIL BORROW	\$28.00	\$30,800.00	\$8.00	\$8,800.00	\$26.00	\$28,600.00	\$28.00	\$30,800.00
26	1,050.00	LF	4" PVC GRAVITY SERVICE PIPE	\$43.00	\$45,150.00	\$43.00	\$45,150.00	\$38.00	\$39,900.00	\$43.00	\$45,150.00
27	27.00	EA	CONNECT TO EXISTING SERVICE (PER TANK)	\$650.00	\$17,550.00	\$650.00	\$17,550.00	\$375.00	\$10,125.00	\$500.00	\$13,500.00
DISPERAL FORCEMAIN											
28	1,510.00	LF	DOUBLE FORCEMAINS - 3" HDPE (STA 200+40 TO STA 215+50)	\$25.00	\$37,750.00	\$47.00	\$70,970.00	\$32.00	\$48,320.00	\$25.00	\$37,750.00
29	365.00	LF	TRIPLE FORCEMAIN - 3" HDPE (STA 215+50 TO STA 300+00)	\$35.00	\$12,775.00	\$49.00	\$17,885.00	\$37.00	\$13,505.00	\$29.00	\$10,585.00
30	385.00	LF	3" FORCE MAIN FROM TANKS TO MOUND 1 (PAID BY INDIVIDUAL PIPF)	\$12.00	\$4,620.00	\$45.00	\$17,325.00	\$20.00	\$7,700.00	\$22.00	\$8,470.00
31	75.00	SQ YD	4" INSULATION	\$35.00	\$2,625.00	\$3.00	\$225.00	\$50.00	\$3,750.00	\$80.00	\$6,000.00
32	17.00	EACH	3" GATE VALVE AND BOX	\$500.00	\$8,500.00	\$1,250.00	\$21,250.00	\$1,500.00	\$25,500.00	\$1,000.00	\$17,000.00



TABULATION OF BIDS

PROJECT NO.: **KABET 114902**
 NAME: **2015 SANITARY SEWER COLLECTION SYSTEM**
 OWNER: **KABETOGAMA TOWNSHIP, MN**
 BID DATE: **WEDNESDAY, MARCH 11, 2015 @ 11:00 A.M.**

ITEM	QUANTITY	UNIT	DESCRIPTION	ENGINEER'S ESTIMATE		1 WAGNER CONSTRUCTION		2 UTILITY SYSTEMS OF AMERIC/		3 LOW IMPACT EXCAVATORS	
				UNIT COST	TOTAL	UNIT COST	TOTAL	UNIT COST	TOTAL	UNIT COST	TOTAL
33	1.00	EACH	AIR RELEASE MH - 2 AIR RELEASE VALVES	\$2,500.00	\$2,500.00	\$6,000.00	\$6,000.00	\$11,500.00	\$11,500.00	\$4,000.00	\$4,000.00
34	7.00	EACH	TWO WAY FLUSHING CONNECTION	\$1,000.00	\$7,000.00	\$2,000.00	\$14,000.00	\$3,500.00	\$24,500.00	\$1,500.00	\$10,500.00
TOTAL BASE BID					\$886,054.00		\$1,153,258.00		\$1,294,916.00		\$1,578,442.00

SCHEDULE A - STEP SYSTEMS

35	12.00	EA	STEP SYSTEM 1000 GALLON	\$18,500.00	\$222,000.00	\$14,000.00	\$168,000.00	\$12,000.00	\$144,000.00	\$14,000.00	\$168,000.00
36	9.00	EA	STEP SYSTEM 1500 GALLON	\$22,000.00	\$198,000.00	\$17,000.00	\$153,000.00	\$12,300.00	\$110,700.00	\$17,000.00	\$153,000.00
37	3.00	EA	STEP SYSTEM 2000 GALLON	\$22,000.00	\$66,000.00	\$18,500.00	\$55,500.00	\$12,500.00	\$37,500.00	\$18,500.00	\$55,500.00
38	2.00	EA	STEP SYSTEM 2500 GALLON	\$24,000.00	\$48,000.00	\$18,000.00	\$36,000.00	\$13,000.00	\$26,000.00	\$18,000.00	\$36,000.00
39	1.00	EA	STEP SYSTEM 3000 GALLON (DUPLIX PUMPS)	\$25,000.00	\$25,000.00	\$25,000.00	\$25,000.00	\$15,000.00	\$15,000.00	\$20,000.00	\$20,000.00
40	300.00	CY	GRANULAR FOUNDATION	\$22.00	\$6,600.00	\$22.00	\$6,600.00	\$35.00	\$10,500.00	\$22.00	\$6,600.00
41	17.00	EA	LATERAL ASSEMBLY (STEP SYSTEM)	\$1,000.00	\$17,000.00	\$1,000.00	\$17,000.00	\$1,000.00	\$17,000.00	\$1,000.00	\$17,000.00
42	6.00	EA	RESIDENTIAL LIFT STATION	\$16,500.00	\$99,000.00	\$10,000.00	\$60,000.00	\$9,100.00	\$54,600.00	\$10,000.00	\$60,000.00
43	342.00	LF	RESIDENTIAL LIFT STATION SERVICE PIPE (TRENCHED)	\$41.00	\$14,022.00	\$41.00	\$14,022.00	\$38.00	\$12,996.00	\$40.00	\$13,680.00
44	900.00	CY	ROCK EXCAVATION (STEP) (EV)	\$120.00	\$108,000.00	\$120.00	\$108,000.00	\$115.00	\$103,500.00	\$120.00	\$108,000.00
TOTAL SCHEDULE A					\$803,622.00		\$643,122.00		\$531,796.00		\$637,780.00

SCHEDULE B - GRINDER STATIONS

44	23.00	EA	SIMPLEX GRINDER STATION (30" x 132")	\$10,000.00	\$230,000.00	\$14,000.00	\$322,000.00	\$11,500.00	\$264,500.00	\$13,750.00	\$316,250.00
45	9.00	EA	DUPLIX GRINDER STATION (48" x 132")	\$18,000.00	\$162,000.00	\$20,000.00	\$180,000.00	\$14,600.00	\$131,400.00	\$19,750.00	\$177,750.00
46	1.00	EA	DUPLIX GRINDER STATION (60" x 132")	\$23,000.00	\$23,000.00	\$25,000.00	\$25,000.00	\$15,000.00	\$15,000.00	\$21,600.00	\$21,600.00
47	300.00	CY	GRANULAR FOUNDATION	\$22.00	\$6,600.00	\$22.00	\$6,600.00	\$35.00	\$10,500.00	\$22.00	\$6,600.00
48	17.00	EA	LATERAL ASSEMBLY (GRINDER STATION)	\$1,000.00	\$17,000.00	\$1,000.00	\$17,000.00	\$1,000.00	\$17,000.00	\$1,000.00	\$17,000.00
49	342.00	LF	RESIDENTIAL LIFT STATION SERVICE PIPE (TRENCHED)	\$41.00	\$14,022.00	\$41.00	\$14,022.00	\$38.00	\$12,996.00	\$40.00	\$13,680.00
50	500.00	CY	ROCK EXCAVATION (GRINDER) (EV)	\$120.00	\$60,000.00	\$120.00	\$60,000.00	\$115.00	\$57,500.00	\$140.00	\$70,000.00
TOTAL SCHEDULE B					\$512,622.00		\$624,622.00		\$508,896.00		\$622,880.00

SUMMARY

TOTAL BASE BID	\$886,054.00	\$1,153,258.00	\$1,294,916.00	\$1,578,442.00
TOTAL BASE BID PLUS SCHEDULE A	\$1,689,676.00	\$1,796,380.00	\$1,826,712.00	\$2,216,222.00
TOTAL BASE BID PLUS SCHEDULE B	\$1,398,676.00	\$1,777,880.00	\$1,803,812.00	\$2,201,322.00

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TABULATION OF BIDS

PROJECT NO.: **KABET 114902**
 NAME: **2015 WASTEWATER PRETREATMENT**
 OWNER: **KABETOGAMA TOWNSHIP, MN**
 BID DATE: **WEDNESDAY, MARCH 11, 2015 @ 11:00 AM**

ITEM	QUANTITY	UNIT	DESCRIPTION	ENGINEER'S ESTIMATE		¹ MAGNEY CONSTRUCTION		² UTILITY SYSTEMS OF AMERICA		³ WAGNER CONSTRUCTION	
				UNIT COST	TOTAL	UNIT COST	TOTAL	UNIT COST	TOTAL	UNIT COST	TOTAL
1	1.00	LUMP SUM	LUMP SUM BID PRICE	\$950,000.00	\$950,000.00	\$1,323,600.00	\$1,323,600.00	\$1,425,000.00	\$1,425,000.00	\$1,744,000.00	\$1,744,000.00
GRAND TOTAL BID					\$950,000.00		\$1,323,600.00		\$1,425,000.00		\$1,744,000.00

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TABULATION OF BIDS

PROJECT NO.: KABET 114902
 NAME: 2015 WASTEWATER DISPERSAL
 OWNER: KABETOGAMA TOWNSHIP, MN
 BID DATE: WEDNESDAY, MARCH 11, 2015 @ 11:00 AM

ITEM	QUANTITY	UNIT	DESCRIPTION	ENGINEER'S ESTIMATE		¹ VIITA'S EXCAVATING		² LOW IMPACT EXCAVATORS		³ SEPTIC CHECK		⁴ UTILITY SYSTEMS OF AMERICA/	
				UNIT COST	TOTAL	UNIT COST	TOTAL	UNIT COST	TOTAL	UNIT COST	TOTAL	UNIT COST	TOTAL
1	1.00	LS	LUMP SUM BID PRICE	\$250,000.00	\$250,000.00	\$362,277.00	\$362,277.00	\$549,510.00	\$549,510.00	\$564,388.00	\$564,388.00	\$895,000.00	\$895,000.00
GRAND TOTAL BID					\$250,000.00		\$362,277.00		\$549,510.00		\$564,388.00		\$895,000.00

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