TABULATION OF BIDS

PINE HILL - SANITARY SEWER, WATERMAIN, STORM SEWER, STREET IMPROVEMENTS PROJECT
WHITE BEAR TOWNSHIP, MINNESOTA
TOWN PROJECT NO. 2016-1
TKDA PROJECT NO. 16027.005

TKDA
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ITEM NO.	DESCRIPTION	QUANTITY	UNIT	ENGINEER'S ESTIMATE UNIT PRICE	ENGINEER'S ESTIMATE TOTAL AMOUNT	C.W. HOULE, INC UNIT PRICE	C.W. HOULE, INC TOTAL AMOUNT	GEISLINGER AND SONS, INC. UNIT PRICE	GEISLINGER AND SONS, INC. TOTAL AMOUNT
	GENERAL								
1	MOBILIZATION	1	LS	$ 25,000.00	$ 25,000.00	$ 16,000.00	$ 16,000.00	$ 30,000.00	$ 30,000.00
2	TRAFFIC CONTROL	1	LS	$ 10,000.00	$ 10,000.00	$ 4,200.00	$ 4,200.00	$ 1,700.00	$ 1,700.00
3	SILT FENCE	4,840	LF	$ 2.00	$ 9,680.00	$ 1.70	$ 8,228.00	$ 2.00	$ 9,680.00
4	INLET PROTECTION	18	EA	$ 200.00	$ 3,600.00	$ 245.00	$ 4,410.00	$ 100.00	$ 1,800.00
5	4" TOPSOIL, SEED, MULCH	8,280	SY	$ 4.00	$ 33,120.00	$ 0.70	$ 5,796.00	$ 1.25	$ 10,350.00
6	4" TOPSOIL, SEED, & EROSION CONTROL BLANKET	1,490	SY	$ 6.50	$ 9,685.00	$ 2.50	$ 3,725.00	$ 2.00	$ 2,980.00
7	SALVAGE & REINSTALL POST & SIGN	4	EA	$ 100.00	$ 400.00	$ 200.00	$ 800.00	$ 100.00	$ 400.00
	SUBTOTAL GENERAL				$ 91,485.00		$ 43,159.00		$ 56,910.00
	STREET IMPROVEMENT								
1	SAWCUT PAVEMENT	220	LF	$ 3.50	$ 770.00	$ 4.00	$ 880.00	$ 4.00	$ 880.00
2	REMOVE & REPLACE CONCRETE CURB AND GUTTER (ALL TYPES)	20	LF	$ 32.00	$ 640.00	$ 35.00	$ 700.00	$ 30.00	$ 600.00
3	REMOVE & REPLACE BITUMINOUS ROADWAY PAVEMENT	100	SY	$ 15.00	$ 1,500.00	$ 40.00	$ 4,000.00	$ 30.00	$ 3,000.00
4	SUBGRADE PREPARATION - STREET	6,900	SY	$ 2.25	$ 15,525.00	$ 1.00	$ 6,900.00	$ 1.00	$ 6,900.00
5	SUBGRADE CORRECTION - AS NEEDED	580	CY	$ 24.00	$ 13,920.00	$ 2.00	$ 1,160.00	$ 5.00	$ 2,900.00
6	PLACE SELECT GRANULAR SUBBASE - 10"	4,560	TN	$ 6.00	$ 27,360.00	$ 3.30	$ 15,048.00	$ 1.00	$ 4,560.00
7	CLASS 5 AGGREGATE BASE - 8"	3,650	TN	$ 16.00	$ 58,400.00	$ 13.00	$ 47,450.00	$ 15.00	$ 54,750.00
8	2360 BIT. SPNWB230B 2" NON-WEARING COURSE	770	TN	$ 73.00	$ 56,210.00	$ 55.50	$ 42,735.00	$ 54.00	$ 41,580.00
9	2360 BIT. SPWEA240B 1-1/2" WEARING COURSE	580	TN	$ 75.00	$ 43,500.00	$ 60.00	$ 34,800.00	$ 58.00	$ 33,640.00
10	BITUMINOUS MATERIAL FOR TACK COAT	340	GAL	$ 4.00	$ 1,360.00	$ 2.00	$ 680.00	$ 3.50	$ 1,190.00
11	D412 CONCRETE CURB & GUTTER	3,235	LF	$ 18.00	$ 58,230.00	$ 13.00	$ 42,055.00	$ 12.20	$ 39,467.00
	SUBTOTAL STREET IMPROVEMENT				$ 277,415.00		$ 196,408.00		$ 189,467.00
	TRAIL IMPROVEMENT								
1	TRAIL GRADING	1,370	CY	$ 12.00	$ 16,440.00	$ 8.00	$ 10,960.00	$ 8.00	$ 10,960.00
2	SUBGRADE PREPARATION - TRAIL	1	LS	$ 6,500.00	$ 6,500.00	$ 2,000.00	$ 2,000.00	$ 2,500.00	$ 2,500.00
3	CLASS 5 AGGREGATE BASE - 6"	700	TN	$ 20.00	$ 14,000.00	$ 14.00	$ 9,800.00	$ 17.00	$ 11,900.00
4	2360 BIT. SPWEB240B 3" WEARING COURSE	290	TN	$ 80.00	$ 23,200.00	$ 70.00	$ 20,300.00	$ 61.50	$ 17,835.00
5	PEDESTRIAN RAMPS	3	EA	$ 1,500.00	$ 4,500.00	$ 1,960.00	$ 5,880.00	$ 1,300.00	$ 3,900.00
	SUBTOTAL TRAIL IMPROVEMENT				$ 64,640.00		$ 48,940.00		$ 47,095.00
	STORM SEWER IMPROVEMENTS								
1	CATCH BASIN TYPE 402	3	EA	$ 2,000.00	$ 6,000.00	$ 1,330.00	$ 3,990.00	$ 1,500.00	$ 4,500.00
2	CATCH BASIN TYPE 404	2	EA	$ 2,000.00	$ 4,000.00	$ 1,560.00	$ 3,120.00	$ 1,300.00	$ 2,600.00
3	CATCH BASIN/MANHOLE TYPE 406	11	EA	$ 3,500.00	$ 38,500.00	$ 2,040.00	$ 22,440.00	$ 1,800.00	$ 19,800.00
4	STORM SEWER MANHOLE TYPE 409	2	EA	$ 3,000.00	$ 6,000.00	$ 1,920.00	$ 3,840.00	$ 1,800.00	$ 3,600.00
5	OUTLET CONTROL STRUCTURE	1	EA	$ 4,500.00	$ 4,500.00	$ 5,450.00	$ 5,450.00	$ 4,500.00	$ 4,500.00
6	12" RCP STORM SEWER PIPE	330	LF	$ 32.00	$ 10,560.00	$ 21.00	$ 6,930.00	$ 25.00	$ 8,250.00
7	15" RCP STORM SEWER PIPE	270	LF	$ 36.00	$ 9,720.00	$ 23.00	$ 6,210.00	$ 26.00	$ 7,020.00
8	18" RCP STORM SEWER PIPE	850	LF	$ 40.00	$ 34,000.00	$ 27.00	$ 22,950.00	$ 27.00	$ 22,950.00

ITEM NO.	DESCRIPTION	QUANTITY	UNIT	ENGINEER'S ESTIMATE UNIT PRICE	ENGINEER'S ESTIMATE TOTAL AMOUNT	C.W. HOULE, INC UNIT PRICE	C.W. HOULE, INC TOTAL AMOUNT	GEISLINGER AND SONS, INC. UNIT PRICE	GEISLINGER AND SONS, INC. TOTAL AMOUNT
9	21" RCP STORM SEWER PIPE	77	LF	$ 45.00	$ 3,465.00	$ 31.00	$ 2,387.00	$ 29.00	$ 2,233.00
10	24" RCP STORM SEWER PIPE	275	LF	$ 50.00	$ 13,750.00	$ 35.00	$ 9,625.00	$ 32.00	$ 8,800.00
11	12" RC APRON W/ TRASHGUARD	1	EA	$ 1,500.00	$ 1,500.00	$ 980.00	$ 980.00	$ 500.00	$ 500.00
12	18" RC APRON W/ TRASHGUARD	3	EA	$ 1,750.00	$ 5,250.00	$ 1,180.00	$ 3,540.00	$ 650.00	$ 1,950.00
13	24" RC APRON W/ TRASHGUARD	1	EA	$ 2,000.00	$ 2,000.00	$ 1,330.00	$ 1,330.00	$ 900.00	$ 900.00
14	CLASS II RIP RAP WITH FILTER FABRIC	60	CY	$ 100.00	$ 6,000.00	$ 100.00	$ 6,000.00	$ 65.00	$ 3,900.00
15	4" PERFORATED DRAINTILE WITH SOCK	160	LF	$ 25.00	$ 4,000.00	$ 10.00	$ 1,600.00	$ 5.00	$ 800.00
16	COURSE FILTER AGGREGATE	180	CY	$ 12.00	$ 2,160.00	$ 44.00	$ 7,920.00	$ 42.00	$ 7,560.00
	SUBTOTAL STORM SEWER IMPROVEMENTS				$ 151,405.00		$ 108,312.00		$ 99,863.00
	SANITARY SEWER IMPROVEMENTS								
1	CONSTRUCT MANHOLE OVER EXISTING 21" PVC	1	EA	$ 10,000.00	$ 10,000.00	$ 7,450.00	$ 7,450.00	$ 5,000.00	$ 5,000.00
2	4" PVC, SCH 40 SANITARY SEWER SERVICE	945	LF	$ 24.00	$ 22,680.00	$ 12.00	$ 11,340.00	$ 22.00	$ 20,790.00
3	8" PVC, SDR 35 SANITARY SEWER	1,660	LF	$ 40.00	$ 66,400.00	$ 22.00	$ 36,520.00	$ 40.00	$ 66,400.00
4	12" PVC, SDR 35 SANITARY SEWER	20	LF	$ 125.00	$ 2,500.00	$ 30.00	$ 600.00	$ 50.00	$ 1,000.00
5	15" PVC, SDR 35 SANITARY SEWER	117	LF	$ 150.00	$ 17,550.00	$ 31.00	$ 3,627.00	$ 55.00	$ 6,435.00
6	48" DIAMETER SANITARY SWER MANHOLE, TYPE 301	11	EA	$ 5,500.00	$ 60,500.00	$ 2,365.00	$ 26,015.00	$ 4,000.00	$ 44,000.00
7	4" WYE ON 8" SANITARY SEWER	28	EA	$ 400.00	$ 11,200.00	$ 102.00	$ 2,856.00	$ 750.00	$ 21,000.00
8	4" POLYSTYRENE INSULATION	468	SF	$ 3.00	$ 1,404.00	$ 5.00	$ 2,340.00	$ 4.00	$ 1,872.00
	SUBTOTAL SANITARY SEWER IMPROVEMENTS				$ 192,234.00		$ 90,748.00		$ 166,497.00
	WATERMAIN IMPROVEMENTS								
1	CONNECT TO EX. 16" WATERMAIN	2	EA	$ 4,500.00	$ 9,000.00	$ 5,200.00	$ 10,400.00	$ 3,500.00	$ 7,000.00
2	8" GATE VALVE AND BOX	2	EA	$ 2,250.00	$ 4,500.00	$ 1,890.00	$ 3,780.00	$ 2,500.00	$ 5,000.00
3	16" BUTTERFLY VALVE AND BOX	6	EA	$ 7,500.00	$ 45,000.00	$ 3,200.00	$ 19,200.00	$ 3,500.00	$ 21,000.00
4	8" DIP WATERMAIN, CL. 52	1,140	LF	$ 45.00	$ 51,300.00	$ 31.00	$ 35,340.00	$ 30.00	$ 34,200.00
5	16" DIP WATERMAIN, CL. 52	1,839	LF	$ 80.00	$ 147,120.00	$ 59.00	$ 108,501.00	$ 55.00	$ 101,145.00
6	HYDRANT, LEAD, VALVE, AND BOX	8	EA	$ 7,500.00	$ 60,000.00	$ 4,750.00	$ 38,000.00	$ 5,000.00	$ 40,000.00
7	1" CORPORATION STOP W/ TAPPING SADDLE	37	EA	$ 500.00	$ 18,500.00	$ 112.00	$ 4,144.00	$ 120.00	$ 4,440.00
8	1" CURB STOP BOX AND VALVE	37	EA	$ 450.00	$ 16,650.00	$ 185.00	$ 6,845.00	$ 150.00	$ 5,550.00
9	1" TYPE K COPPER WATER SERVICE	1,037	LF	$ 25.00	$ 25,925.00	$ 14.00	$ 14,518.00	$ 22.00	$ 22,814.00
10	1" TYPE K COPPER WATER SERVICE - CR H2 CROSSING INCL. RESTORATION	747	LF	$ 40.00	$ 29,880.00	$ 36.00	$ 26,892.00	$ 35.00	$ 26,145.00
11	WATERMAIN CASING - 27" MINIMUM	52	LF	$ 400.00	$ 20,800.00	$ 187.00	$ 9,724.00	$ 70.00	$ 3,640.00
12	8"X45° BEND MJ DUCTILE IRON COMPACT FITTING	5	EA	$ 343.00	$ 1,715.00	$ 255.00	$ 1,275.00	$ 250.00	$ 1,250.00
13	8"X22-1/2° BEND MJ DUCTILE IRON COMPACT FITTING	2	EA	$ 308.00	$ 616.00	$ 255.00	$ 510.00	$ 250.00	$ 500.00
14	8"X11-1/4° BEND MJ DUCTILE IRON COMPACT FITTING	2	EA	$ 280.00	$ 560.00	$ 225.00	$ 450.00	$ 240.00	$ 480.00
15	16"X45° BEND MJ DUCTILE IRON COMPACT FITTING	3	EA	$ 1,414.00	$ 4,242.00	$ 1,090.00	$ 3,270.00	$ 750.00	$ 2,250.00
16	16"X22-1/2° BEND MJ DUCTILE IRON COMPACT FITTING	3	EA	$ 1,253.00	$ 3,759.00	$ 1,085.00	$ 3,255.00	$ 750.00	$ 2,250.00
17	16"X11-1/4° BEND MJ DUCTILE IRON COMPACT FITTING	4	EA	$ 1,134.00	$ 4,536.00	$ 1,085.00	$ 4,340.00	$ 750.00	$ 3,000.00
18	8"X6" TEE MJ DUCTILE IRON COMPACT FITTING	7	EA	$ 525.00	$ 3,675.00	$ 330.00	$ 2,310.00	$ 400.00	$ 2,800.00
19	16"X6" TEE MJ DUCTILE IRON COMPACT FITTING	4	EA	$ 1,603.00	$ 6,412.00	$ 1,030.00	$ 4,120.00	$ 900.00	$ 3,600.00
20	16"X18" TEE MJ DUCTILE IRON COMPACT FITTING	2	EA	$ 1,736.00	$ 3,472.00	$ 1,000.00	$ 2,000.00	$ 850.00	$ 1,700.00
21	16"X16" TEE MH DUCTILE IRON COMPACT FITTING	2	EA	$ 2,261.00	$ 4,522.00	$ 2,030.00	$ 4,060.00	$ 1,200.00	$ 2,400.00
22	16" PLUG MJ DUCTILE IRON COMPACT FITTING	1	EA	$ 665.00	$ 665.00	$ 750.00	$ 750.00	$ 400.00	$ 400.00
23	4" POLYSTYRENE INSULATION	300	SF	$ 3.00	$ 900.00	$ 5.00	$ 1,500.00	$ 4.00	$ 1,200.00
	SUBTOTAL WATERMAIN IMPROVEMENTS				$ 463,749.00		$ 305,184.00		$ 292,764.00
	GRAND TOTAL				**$ 1,240,928.00**		**$ 792,751.00**		**$ 852,596.00**

ITEM NO.	DESCRIPTION	QUANTITY	UNIT	S.R. WEIDEMA, INC. UNIT PRICE	S.R. WEIDEMA, INC. TOTAL AMOUNT	NORTHDALE CONSTRUCTION COMPANY, INC UNIT PRICE	NORTHDALE CONSTRUCTION COMPANY, INC TOTAL AMOUNT	PARK CONSTRUCTION COMPANY UNIT PRICE	PARK CONSTRUCTION COMPANY TOTAL AMOUNT
	GENERAL								
1	MOBILIZATION	1	LS	$ 45,000.00	$ 45,000.00	$ 11,777.50	$ 11,777.50	$ 53,500.00	$ 53,500.00
2	TRAFFIC CONTROL	1	LS	$ 1,650.00	$ 1,650.00	$ 1,732.50	$ 1,732.50	$ 1,650.00	$ 1,650.00
3	SILT FENCE	4,840	LF	$ 1.85	$ 8,954.00	$ 2.10	$ 10,164.00	$ 2.00	$ 9,680.00
4	INLET PROTECTION	18	EA	$ 330.00	$ 5,940.00	$ 150.00	$ 2,700.00	$ 150.00	$ 2,700.00
5	4" TOPSOIL, SEED, MULCH	8,280	SY	$ 1.60	$ 13,248.00	$ 2.52	$ 20,865.60	$ 3.60	$ 29,808.00
6	4" TOPSOIL, SEED, & EROSION CONTROL BLANKET	1,490	SY	$ 2.80	$ 4,172.00	$ 2.52	$ 3,754.80	$ 4.60	$ 6,854.00
7	SALVAGE & REINSTALL POST & SIGN	4	EA	$ 200.00	$ 800.00	$ 210.00	$ 840.00	$ 200.00	$ 800.00
	SUBTOTAL GENERAL				$ 79,764.00		$ 51,834.40		$ 104,992.00
	STREET IMPROVEMENT								
1	SAWCUT PAVEMENT	220	LF	$ 3.50	$ 770.00	$ 5.00	$ 1,100.00	$ 5.00	$ 1,100.00
2	REMOVE & REPLACE CONCRETE CURB AND GUTTER (ALL TYPES)	20	LF	$ 40.00	$ 800.00	$ 36.45	$ 729.00	$ 75.00	$ 1,500.00
3	REMOVE & REPLACE BITUMINOUS ROADWAY PAVEMENT	100	SY	$ 30.00	$ 3,000.00	$ 73.16	$ 7,316.00	$ 67.00	$ 6,700.00
4	SUBGRADE PREPARATION - STREET	6,900	SY	$ 1.15	$ 7,935.00	$ 0.50	$ 3,450.00	$ 1.50	$ 10,350.00
5	SUBGRADE CORRECTION - AS NEEDED	580	CY	$ 5.00	$ 2,900.00	$ 10.00	$ 5,800.00	$ 20.00	$ 11,600.00
6	PLACE SELECT GRANULAR SUBBASE - 10"	4,560	TN	$ 2.00	$ 9,120.00	$ 5.00	$ 22,800.00	$ 2.00	$ 9,120.00
7	CLASS 5 AGGREGATE BASE - 8"	3,650	TN	$ 13.75	$ 50,187.50	$ 19.06	$ 69,569.00	$ 16.10	$ 58,765.00
8	2360 BIT. SPNWB230B 2" NON-WEARING COURSE	770	TN	$ 53.75	$ 41,387.50	$ 56.44	$ 43,458.80	$ 57.80	$ 44,506.00
9	2360 BIT. SPWEA240B 1-1/2" WEARING COURSE	580	TN	$ 57.85	$ 33,553.00	$ 60.74	$ 35,229.20	$ 59.00	$ 34,220.00
10	BITUMINOUS MATERIAL FOR TACK COAT	340	GAL	$ 3.45	$ 1,173.00	$ 3.62	$ 1,230.80	$ 2.90	$ 986.00
11	D412 CONCRETE CURB & GUTTER	3,235	LF	$ 13.00	$ 42,055.00	$ 12.55	$ 40,599.25	$ 14.60	$ 47,231.00
	SUBTOTAL STREET IMPROVEMENT				$ 192,881.00		$ 231,282.05		$ 226,078.00
	TRAIL IMPROVEMENT								
1	TRAIL GRADING	1,370	CY	$ 12.00	$ 16,440.00	$ 15.00	$ 20,550.00	$ 20.00	$ 27,400.00
2	SUBGRADE PREPARATION - TRAIL	1	LS	$ 6,200.00	$ 6,200.00	$ 7,000.00	$ 7,000.00	$ 22,000.00	$ 22,000.00
3	CLASS 5 AGGREGATE BASE - 6"	700	TN	$ 20.00	$ 14,000.00	$ 22.95	$ 16,065.00	$ 23.40	$ 16,380.00
4	2360 BIT. SPWEB240B 3" WEARING COURSE	290	TN	$ 61.42	$ 17,811.80	$ 64.49	$ 18,702.10	$ 69.80	$ 20,242.00
5	PEDESTRIAN RAMPS	3	EA	$ 1,250.00	$ 3,750.00	$ 2,625.00	$ 7,875.00	$ 1,250.00	$ 3,750.00
	SUBTOTAL TRAIL IMPROVEMENT				$ 58,201.80		$ 70,192.10		$ 89,772.00
	STORM SEWER IMPROVEMENTS								
1	CATCH BASIN TYPE 402	3	EA	$ 1,513.00	$ 4,539.00	$ 1,462.13	$ 4,386.39	$ 1,860.00	$ 5,580.00
2	CATCH BASIN TYPE 404	2	EA	$ 1,717.00	$ 3,434.00	$ 1,682.50	$ 3,365.00	$ 2,060.00	$ 4,120.00
3	CATCH BASIN/MANHOLE TYPE 406	11	EA	$ 2,181.00	$ 23,991.00	$ 2,257.63	$ 24,833.93	$ 2,560.00	$ 28,160.00
4	STORM SEWER MANHOLE TYPE 409	2	EA	$ 2,012.00	$ 4,024.00	$ 2,049.08	$ 4,098.16	$ 2,380.00	$ 4,760.00
5	OUTLET CONTROL STRUCTURE	1	EA	$ 4,608.00	$ 4,608.00	$ 5,370.00	$ 5,370.00	$ 5,860.00	$ 5,860.00
6	12" RCP STORM SEWER PIPE	330	LF	$ 26.50	$ 8,745.00	$ 34.08	$ 11,246.40	$ 30.50	$ 10,065.00
7	15" RCP STORM SEWER PIPE	270	LF	$ 27.00	$ 7,290.00	$ 33.42	$ 9,023.40	$ 32.00	$ 8,640.00
8	18" RCP STORM SEWER PIPE	850	LF	$ 31.00	$ 26,350.00	$ 37.48	$ 31,858.00	$ 34.00	$ 28,900.00

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9	21" RCP STORM SEWER PIPE	77	LF	$ 31.50	$ 2,425.50	$ 39.71	$ 3,057.67	$ 42.00	$ 3,234.00
10	24" RCP STORM SEWER PIPE	275	LF	$ 34.25	$ 9,418.75	$ 44.05	$ 12,113.75	$ 44.00	$ 12,100.00
11	12" RC APRON W/ TRASHGUARD	1	EA	$ 617.00	$ 617.00	$ 687.53	$ 687.53	$ 716.00	$ 716.00
12	18" RC APRON W/ TRASHGUARD	3	EA	$ 714.00	$ 2,142.00	$ 868.13	$ 2,604.39	$ 815.00	$ 2,445.00
13	24" RC APRON W/ TRASHGUARD	1	EA	$ 1,041.00	$ 1,041.00	$ 1,099.25	$ 1,099.25	$ 1,290.00	$ 1,290.00
14	CLASS II RIP RAP WITH FILTER FABRIC	60	CY	$ 100.00	$ 6,000.00	$ 80.00	$ 4,800.00	$ 97.00	$ 5,820.00
15	4" PERFORATED DRAINTILE WITH SOCK	160	LF	$ 7.00	$ 1,120.00	$ 16.69	$ 2,670.40	$ 14.00	$ 2,240.00
16	COURSE FILTER AGGREGATE	180	CY	$ 40.00	$ 7,200.00	$ 52.00	$ 9,360.00	$ 52.00	$ 9,360.00
	SUBTOTAL STORM SEWER IMPROVEMENTS				$ 112,945.25		$ 130,574.27		$ 133,290.00
	SANITARY SEWER IMPROVEMENTS								
1	CONSTRUCT MANHOLE OVER EXISTING 21" PVC	1	EA	$ 20,000.00	$ 20,000.00	$ 11,832.38	$ 11,832.38	$ 12,300.00	$ 12,300.00
2	4" PVC, SCH 40 SANITARY SEWER SERVICE	945	LF	$ 15.50	$ 14,647.50	$ 19.89	$ 18,796.05	$ 20.00	$ 18,900.00
3	8" PVC, SDR 35 SANITARY SEWER	1,660	LF	$ 38.00	$ 63,080.00	$ 34.29	$ 56,921.40	$ 52.50	$ 87,150.00
4	12" PVC, SDR 35 SANITARY SEWER	20	LF	$ 40.00	$ 800.00	$ 39.80	$ 796.00	$ 53.00	$ 1,060.00
5	15" PVC, SDR 35 SANITARY SEWER	117	LF	$ 45.00	$ 5,265.00	$ 44.52	$ 5,208.84	$ 40.00	$ 4,680.00
6	48" DIAMETER SANITARY SWER MANHOLE, TYPE 301	11	EA	$ 2,900.00	$ 31,900.00	$ 2,918.88	$ 32,107.68	$ 2,970.00	$ 32,670.00
7	4" WYE ON 8" SANITARY SEWER	28	EA	$ 125.00	$ 3,500.00	$ 204.82	$ 5,734.96	$ 200.00	$ 5,600.00
8	4" POLYSTYRENE INSULATION	468	SF	$ 5.50	$ 2,574.00	$ 5.35	$ 2,503.80	$ 5.00	$ 2,340.00
	SUBTOTAL SANITARY SEWER IMPROVEMENTS				$ 141,766.50		$ 133,901.11		$ 164,700.00
	WATERMAIN IMPROVEMENTS								
1	CONNECT TO EX. 16" WATERMAIN	2	EA	$ 10,000.00	$ 20,000.00	$ 3,040.00	$ 6,080.00	$ 2,100.00	$ 4,200.00
2	8" GATE VALVE AND BOX	2	EA	$ 1,400.00	$ 2,800.00	$ 1,916.22	$ 3,832.44	$ 1,750.00	$ 3,500.00
3	16" BUTTERFLY VALVE AND BOX	6	EA	$ 2,665.00	$ 15,990.00	$ 3,059.51	$ 18,357.06	$ 3,450.00	$ 20,700.00
4	8" DIP WATERMAIN, CL. 52	1,140	LF	$ 30.00	$ 34,200.00	$ 36.48	$ 41,587.20	$ 39.00	$ 44,460.00
5	16" DIP WATERMAIN, CL. 52	1,839	LF	$ 60.00	$ 110,340.00	$ 69.24	$ 127,332.36	$ 70.00	$ 128,730.00
6	HYDRANT, LEAD, VALVE, AND BOX	8	EA	$ 4,500.00	$ 36,000.00	$ 6,453.13	$ 51,625.04	$ 5,500.00	$ 44,000.00
7	1" CORPORATION STOP W/ TAPPING SADDLE	37	EA	$ 415.00	$ 15,355.00	$ 133.05	$ 4,922.85	$ 180.00	$ 6,660.00
8	1" CURB STOP BOX AND VALVE	37	EA	$ 185.00	$ 6,845.00	$ 256.15	$ 9,477.55	$ 330.00	$ 12,210.00
9	1" TYPE K COPPER WATER SERVICE	1,037	LF	$ 16.00	$ 16,592.00	$ 20.46	$ 21,217.02	$ 16.00	$ 16,592.00
10	1" TYPE K COPPER WATER SERVICE - CR H2 CROSSING INCL. RESTORATION	747	LF	$ 40.00	$ 29,880.00	$ 41.89	$ 31,291.83	$ 27.00	$ 20,169.00
11	WATERMAIN CASING - 27" MINIMUM	52	LF	$ 390.00	$ 20,280.00	$ 179.75	$ 9,347.00	$ 420.00	$ 21,840.00
12	8"X45° BEND MJ DUCTILE IRON COMPACT FITTING	5	EA	$ 255.00	$ 1,275.00	$ 289.20	$ 1,446.00	$ 350.00	$ 1,750.00
13	8"X22-1/2° BEND MJ DUCTILE IRON COMPACT FITTING	2	EA	$ 255.00	$ 510.00	$ 287.05	$ 574.10	$ 350.00	$ 700.00
14	8"X11-1/4° BEND MJ DUCTILE IRON COMPACT FITTING	2	EA	$ 255.00	$ 510.00	$ 280.60	$ 561.20	$ 340.00	$ 680.00
15	16"X45° BEND MJ DUCTILE IRON COMPACT FITTING	3	EA	$ 720.00	$ 2,160.00	$ 1,071.88	$ 3,215.64	$ 1,200.00	$ 3,600.00
16	16"X22-1/2° BEND MJ DUCTILE IRON COMPACT FITTING	3	EA	$ 695.00	$ 2,085.00	$ 1,057.90	$ 3,173.70	$ 1,200.00	$ 3,600.00
17	16"X11-1/4° BEND MJ DUCTILE IRON COMPACT FITTING	4	EA	$ 720.00	$ 2,880.00	$ 1,077.25	$ 4,309.00	$ 1,200.00	$ 4,800.00
18	8"X6" TEE MJ DUCTILE IRON COMPACT FITTING	7	EA	$ 372.00	$ 2,604.00	$ 420.90	$ 2,946.30	$ 500.00	$ 3,500.00
19	16"X6" TEE MJ DUCTILE IRON COMPACT FITTING	4	EA	$ 837.00	$ 3,348.00	$ 1,229.25	$ 4,917.00	$ 1,450.00	$ 5,800.00
20	16"X18" TEE MJ DUCTILE IRON COMPACT FITTING	2	EA	$ 867.00	$ 1,734.00	$ 1,240.68	$ 2,481.36	$ 1,500.00	$ 3,000.00
21	16"X16" TEE MH DUCTILE IRON COMPACT FITTING	2	EA	$ 1,159.00	$ 2,318.00	$ 1,813.10	$ 3,626.20	$ 2,000.00	$ 4,000.00
22	16" PLUG MJ DUCTILE IRON COMPACT FITTING	1	EA	$ 349.00	$ 349.00	$ 742.95	$ 742.95	$ 450.00	$ 450.00
23	4" POLYSTYRENE INSULATION	300	SF	$ 6.85	$ 2,055.00	$ 5.35	$ 1,605.00	$ 5.00	$ 1,500.00
	SUBTOTAL WATERMAIN IMPROVEMENTS				$ 330,110.00		$ 354,668.80		$ 356,441.00
	GRAND TOTAL				**$ 915,668.55**		**$ 972,452.73**		**$ 1,075,273.00**