

Project: Bio Science Industrial Park Sanitary Sewer & Water Main Improvements				WORTC0505.00											
Location: Worthington, MN															
SEH No.: A-WORTC 0505.00															
Bid Date: Friday, March 10, 2006, 2:00 p.m.															
BASE BID				Engineer's Estimated Cost		Midstates Utilities		Quam		Svoboda		Larson		H&W Construction	
				Total Base = \$300,142.00		Total Base = \$309,375.00		Total Base = \$315,792.08		Total Base = \$305,567.50		Total Base = \$342,303.00		Total Base = \$362,736.60	
				Total Alternate = \$89,050.25		Total Alternate = \$90,092.00		Total Alternate = \$85,968.91		Total Alternate = \$96,495.95		Total Alternate = \$93,095.00		Total Alternate = \$98,761.00	
				Combined Total = \$389,192.25		Combined Total = \$399,467.00		Combined Total = \$401,760.99		Combined Total = \$402,063.45		Combined Total = \$435,398.00		Combined Total = \$461,497.60	
No.	Item Description	Unit	Quantity	Unit Price	Amount	Unit Price	Amount	Unit Price	Amount	Unit Price	Amount	Unit Price	Amount	Unit Price	Amount
1	Mobilization	LS	1	\$40,000.00	\$40,000.00	\$15,000.00	\$15,000.00	\$15,362.00	\$15,362.00	\$30,000.00	\$30,000.00	\$50,000.00	\$50,000.00	\$111,600.00	\$111,600.00
2	Exploratory Excavation	HOUR	2	\$150.00	\$300.00	\$200.00	\$400.00	\$147.00	\$294.00	\$300.00	\$600.00	\$225.00	\$450.00	\$150.00	\$300.00
3	F&I 8" PVC SDR35, 10'-14' Depth	LF	700	\$30.00	\$21,000.00	\$25.00	\$17,500.00	\$37.50	\$26,250.00	\$26.00	\$18,200.00	\$38.00	\$26,600.00	\$29.00	\$20,300.00
4	F&I 8" PVC SDR35, Sanitary Service Stubs	LF	250	\$30.00	\$7,500.00	\$26.00	\$6,500.00	\$33.00	\$8,250.00	\$31.00	\$7,750.00	\$43.00	\$10,750.00	\$29.00	\$7,250.00
5	F&I 10" PVC SDR35, 12'-16' Depth	LF	863	\$37.50	\$32,362.50	\$27.00	\$23,301.00	\$39.00	\$33,657.00	\$29.00	\$25,027.00	\$54.00	\$46,602.00	\$42.00	\$36,246.00
6	F&I 24" PVC SDR35, 17'-21' Depth	LF	55	\$88.00	\$4,840.00	\$120.00	\$6,600.00	\$87.00	\$4,785.00	\$110.00	\$6,050.00	\$105.00	\$5,775.00	\$124.00	\$6,820.00
7	F&I 30" PVC SDR35, 18'-22' Depth	LF	102	\$130.00	\$13,260.00	\$300.00	\$30,600.00	\$128.00	\$13,056.00	\$282.00	\$28,764.00	\$225.00	\$22,950.00	\$183.50	\$18,717.00
8	F&I 42" PVC SDR35, 20'-24' Depth	LF	40	\$172.00	\$6,880.00	\$350.00	\$14,000.00	\$231.00	\$9,240.00	\$356.00	\$14,240.00	\$325.00	\$13,000.00	\$260.00	\$10,400.00
9	F&I 10"PVC SDR35 Inside Drop Connection (#130)	EA	1	\$650.00	\$650.00	\$1,200.00	\$1,200.00	\$1,787.00	\$1,787.00	\$750.00	\$750.00	\$700.00	\$700.00	\$800.00	\$800.00
10	F&I Sewer Main Repair Connection - 30" PVC to 30" Clay	EA	3	\$1,100.00	\$3,300.00	\$4,000.00	\$12,000.00	\$8,461.00	\$25,383.00	\$1,500.00	\$4,500.00	\$3,500.00	\$10,500.00	\$1,149.00	\$3,447.00
11	F&I Sewer Main Repair Connection - 42" PVC to 30" Clay	EA	1	\$1,800.00	\$1,800.00	\$7,000.00	\$7,000.00	\$11,839.00	\$11,839.00	\$3,000.00	\$3,000.00	\$4,500.00	\$4,500.00	\$2,193.00	\$2,193.00
12	Tie Into Existing Manhole with 30" PVC	EA	1	\$750.00	\$750.00	\$5,000.00	\$5,000.00	\$4,660.00	\$4,660.00	\$1,500.00	\$1,500.00	\$2,000.00	\$2,000.00	\$4,199.00	\$4,199.00
13	Tie Into Exist. MH with 8" PVC Outside Drop Connection (#110)	EA	2	\$500.00	\$1,000.00	\$2,000.00	\$4,000.00	\$1,991.00	\$3,982.00	\$1,700.00	\$3,400.00	\$2,500.00	\$5,000.00	\$2,556.00	\$5,112.00
14	Tie Into New Manhole with Existing 30" Clay	EA	1	\$750.00	\$750.00	\$2,500.00	\$2,500.00	\$7,109.00	\$7,109.00	\$2,000.00	\$2,000.00	\$1,800.00	\$1,800.00	\$643.00	\$643.00
15	F&I 48"-72" MH, 15' Depth (#130)	EA	1	\$4,500.00	\$4,500.00	\$6,000.00	\$6,000.00	\$6,123.00	\$6,123.00	\$8,500.00	\$8,500.00	\$5,000.00	\$5,000.00	\$5,600.00	\$5,600.00
16	F&I 48" MH, 10' Depth (#131, #132, #133, #134, #135)	EA	5	\$4,000.00	\$20,000.00	\$2,800.00	\$14,000.00	\$3,065.00	\$15,325.00	\$3,850.00	\$19,250.00	\$3,500.00	\$17,500.00	\$2,360.00	\$11,800.00
17	F&I 72" Dia. Extra Depth MH	LF	5.3	\$200.00	\$1,060.00	\$400.00	\$2,120.00	\$334.00	\$1,770.20	\$545.00	\$2,888.50	\$750.00	\$3,975.00	\$281.00	\$1,489.30
18	F&I 48" Dia. Extra Depth MH	LF	12.7	\$175.00	\$2,222.50	\$200.00	\$2,540.00	\$141.00	\$1,790.70	\$370.00	\$4,699.00	\$400.00	\$5,080.00	\$135.00	\$1,714.50
19	F&I 4"-12" Corr. P.E. Repair Pipe Drain (If Needed)	LF	30	\$12.00	\$360.00	\$12.00	\$360.00	\$29.00	\$870.00	\$17.50	\$525.00	\$20.00	\$600.00	\$15.00	\$450.00
21	F&I Concrete Plug 4"-12" Pipe (As Directed)	EA	1	\$150.00	\$150.00	\$150.00	\$150.00	\$798.00	\$798.00	\$200.00	\$200.00	\$65.00	\$65.00	\$100.00	\$100.00
22	F&I Field Tile Repair Connection (If Needed)	EA	1	\$50.00	\$50.00	\$200.00	\$200.00	\$835.00	\$835.00	\$350.00	\$350.00	\$50.00	\$50.00	\$350.00	\$350.00
23	F&I Granular Foundation (LV), (If Needed)	CY	40	\$26.00	\$1,040.00	\$30.00	\$1,200.00	\$25.50	\$1,020.00	\$32.00	\$1,280.00	\$19.00	\$760.00	\$55.00	\$2,200.00
24	F&I Lean Mix Backfill Pipe Support (As Needed)	CY	2	\$120.00	\$240.00	\$110.00	\$220.00	\$252.00	\$504.00	\$600.00	\$1,200.00	\$100.00	\$200.00	\$225.00	\$450.00
25	Remove 25" to 36" Pipe	LF	142	\$15.00	\$2,130.00	\$10.00	\$1,420.00	\$45.00	\$6,390.00	\$8.00	\$1,136.00	\$6.00	\$852.00	\$15.00	\$2,130.00
26	Remove 4" to 15" Pipe (If Needed)	LF	40	\$6.00	\$240.00	\$6.00	\$240.00	\$20.00	\$800.00	\$3.00	\$120.00	\$4.00	\$160.00	\$10.00	\$400.00
27	Connect to Existing Water Main (N/S 12" Main)	EA	2	\$250.00	\$500.00	\$700.00	\$1,400.00	\$1,387.00	\$2,774.00	\$2,000.00	\$4,000.00	\$8.00	\$16.00	\$1,200.00	\$2,400.00
28	F&I 12" Water Main C900	LF	2208	\$45.00	\$99,360.00	\$45.00	\$99,360.00	\$37.00	\$81,696.00	\$32.00	\$70,656.00	\$34.00	\$75,072.00	\$35.00	\$77,280.00
29	F&I 12" 90 Degree Elbow	EA	2	\$375.00	\$750.00	\$700.00	\$1,400.00	\$719.00	\$1,438.00	\$300.00	\$600.00	\$700.00	\$1,400.00	\$592.00	\$1,184.00
30	Install 12" Gate Valve and Box	EA	3	\$350.00	\$1,050.00	\$400.00	\$1,200.00	\$479.00	\$1,437.00	\$1,550.00	\$4,650.00	\$400.00	\$1,200.00	\$553.00	\$1,659.00
31	Install 12" Gate Valve in Manhole	EA	2	\$1,500.00	\$3,000.00	\$2,700.00	\$5,400.00	\$944.00	\$1,888.00	\$1,550.00	\$3,100.00	\$400.00	\$800.00	\$537.00	\$1,074.00
32	F&I 12" MJ Plug	EA	1	\$250.00	\$250.00	\$200.00	\$200.00	\$411.00	\$411.00	\$600.00	\$600.00	\$350.00	\$350.00	\$264.00	\$264.00
33	Install Fire Hydrant Unit	EA	5	\$1,750.00	\$8,750.00	\$1,800.00	\$9,000.00	\$778.00	\$3,890.00	\$3,000.00	\$15,000.00	\$750.00	\$3,750.00	\$942.00	\$4,710.00
34	Salvage Fire Hydrant Unit	EA	1	\$225.00	\$225.00	\$400.00	\$400.00	\$441.00	\$441.00	\$1,000.00	\$1,000.00	\$500.00	\$500.00	\$225.00	\$225.00
35	F&I Install 48" Water Gate Valve Manhole	EA	2	\$4,000.00	\$8,000.00	\$2,100.00	\$4,200.00	\$2,322.00	\$4,644.00	\$3,000.00	\$6,000.00	\$3,500.00	\$7,000.00	\$1,824.00	\$3,648.00
36	F&I Tie Into Existing Water Main (E/W 12" Main)	EA	1	\$1,500.00	\$1,500.00	\$600.00	\$600.00	\$1,358.00	\$1,358.00	\$1,700.00	\$1,700.00	\$3,000.00	\$3,000.00	\$800.00	\$800.00
37	F&I MJ Sleeve	EA	3	\$225.00	\$675.00	\$600.00	\$1,800.00	\$440.00	\$1,320.00	\$800.00	\$2,400.00	\$700.00	\$2,100.00	\$390.00	\$1,170.00
38	F&I 12" RCP, Class III	LF	36	\$75.00	\$2,700.00	\$36.00	\$1,296.00	\$28.00	\$1,008.00	\$46.00	\$1,656.00	\$36.00	\$1,296.00	\$35.00	\$1,260.00
39	F&I 30" Dia. Design N, Drainage Structure (#501, #506), w/ Sediment Trap, Modified	EA	2	\$1,875.00	\$3,750.00	\$1,900.00	\$3,800.00	\$1,536.00	\$3,072.00	\$2,160.00	\$4,320.00	\$3,300.00	\$6,600.00	\$1,821.00	\$3,642.00
40	Inlet Protection	EA	2	\$75.00	\$150.00	\$200.00	\$400.00	\$88.00	\$176.00	\$250.00	\$500.00	\$150.00	\$300.00	\$220.00	\$440.00
41	Seeding	ACRE	2.54	\$100.00	\$254.00	\$600.00	\$1,524.00	\$945.00	\$2,400.30	\$250.00	\$635.00	\$300.00	\$762.00	\$1,100.00	\$2,794.00
42	Seed, MNDOT 250	LB	180	\$5.00	\$900.00	\$5.00	\$900.00	\$12.50	\$2,250.00	\$3.50	\$630.00	\$4.00	\$720.00	\$16.50	\$2,970.00

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Bid Date: Friday, March 10, 2006, 2:00 p.m.															
				Engineer's Estimated Cost		Midstates Utilities		Quam		Svoboda		Larson		H&W Construction	
43	Mulch Material, Type I	TON	5.1	\$175.00	\$892.50	\$200.00	\$1,020.00	\$236.00	\$1,203.60	\$175.00	\$892.50	\$200.00	\$1,020.00	\$137.50	\$701.25
44	Disk Anchoring	ACRE	2.54	\$75.00	\$190.50	\$100.00	\$254.00	\$157.00	\$398.78	\$175.00	\$444.50	\$200.00	\$508.00	\$82.50	\$209.55
45	Commercial Fertilizer 20-10-20	TON	0.5	\$800.00	\$400.00	\$700.00	\$350.00	\$997.00	\$498.50	\$660.00	\$330.00	\$800.00	\$400.00	\$770.00	\$385.00
46	Silt Fence	LF	100	\$3.00	\$300.00	\$5.00	\$500.00	\$6.00	\$600.00	\$3.00	\$300.00	\$4.00	\$400.00	\$7.70	\$770.00
47	Water (If Needed)	M gal.	8	\$20.00	\$160.00	\$40.00	\$320.00	\$126.00	\$1,008.00	\$28.00	\$224.00	\$30.00	\$240.00	\$55.00	\$440.00
Totals =				\$300,142.00		\$309,375.00		\$315,792.08		\$305,567.50		\$342,303.00		\$362,736.60	

				Engineer's Estimated Cost		Midstates Utilities		Quam		Svoboda		Larson		H&W Construction	
ALTERNATE 1:															
No.	Item Description	Unit	Quantity	Unit Price	Amount	Unit Price	Amount	Unit Price	Amount	Unit Price	Amount	Unit Price	Amount	Unit Price	Amount
1	Exploratory Excavation	HOURL	2	\$150.00	\$300.00	\$200.00	\$400.00	\$147.00	\$294.00	\$300.00	\$600.00	\$225.00	\$450.00	\$150.00	\$300.00
2	F&I 24" PVC SDR35, 17'-21' Depth	LF	486	\$88.00	\$42,768.00	\$90.00	\$43,740.00	\$72.00	\$34,992.00	\$87.00	\$42,282.00	\$90.00	\$43,740.00	\$100.00	\$48,600.00
3	F&I 8" PVC SDR35, Sanitary Service Stubs	LF	50	\$35.00	\$1,750.00	\$26.00	\$1,300.00	\$37.50	\$1,875.00	\$31.00	\$1,550.00	\$36.00	\$1,800.00	\$30.00	\$1,500.00
4	F&I 8" PVC SDR35 Outside Drop Connection (#136)	EA	2	\$650.00	\$1,300.00	\$1,800.00	\$3,600.00	\$1,759.00	\$3,518.00	\$1,700.00	\$3,400.00	\$700.00	\$1,400.00	\$2,556.00	\$5,112.00
5	F&I 48"-72" MH, 15' Depth (#136, #137)	EA	2	\$4,500.00	\$9,000.00	\$5,500.00	\$11,000.00	\$5,933.00	\$11,866.00	\$8,000.00	\$16,000.00	\$5,000.00	\$10,000.00	\$5,600.00	\$11,200.00
6	F&I 72" Dia. Extra Depth MH	LF	3.6	\$200.00	\$720.00	\$400.00	\$1,440.00	\$384.00	\$1,382.40	\$500.00	\$1,800.00	\$750.00	\$2,700.00	\$281.00	\$1,011.60
7	F&I 4"-12" Corr. P.E. Repair Pipe Drain (If Needed)	LF	30	\$12.00	\$360.00	\$12.00	\$360.00	\$28.75	\$862.50	\$17.50	\$525.00	\$25.00	\$750.00	\$15.00	\$450.00
8	F&I Concrete Plug 4"-12" Pipe (As Directed)	EA	1	\$150.00	\$150.00	\$150.00	\$150.00	\$745.00	\$745.00	\$200.00	\$200.00	\$100.00	\$100.00	\$100.00	\$100.00
9	F&I Field Tile Repair Connection (If Needed)	EA	1	\$50.00	\$50.00	\$200.00	\$200.00	\$642.00	\$642.00	\$350.00	\$350.00	\$100.00	\$100.00	\$350.00	\$350.00
10	F&I Granular Foundation (LV)	CY	10	\$26.00	\$260.00	\$30.00	\$300.00	\$23.50	\$235.00	\$32.00	\$320.00	\$20.00	\$200.00	\$55.00	\$550.00
11	F&I Lean Mix Backfill Pipe Support (As Needed)	CY	2	\$120.00	\$240.00	\$110.00	\$220.00	\$278.00	\$556.00	\$300.00	\$600.00	\$100.00	\$200.00	\$150.00	\$300.00
12	Remove 4" to 15" Pipe (If Needed)	LF	20	\$6.00	\$120.00	\$6.00	\$120.00	\$30.50	\$610.00	\$3.00	\$60.00	\$4.00	\$80.00	\$10.00	\$200.00
13	Connect to Existing Water Main	EA	1	\$250.00	\$250.00	\$700.00	\$700.00	\$1,005.00	\$1,005.00	\$150.00	\$150.00	\$700.00	\$700.00	\$800.00	\$800.00
14	F&I 12" Water Main C900	LF	495	\$45.00	\$22,275.00	\$31.00	\$15,345.00	\$34.50	\$17,077.50	\$32.00	\$15,840.00	\$40.00	\$19,800.00	\$35.00	\$17,325.00
15	F&I 12" MJ Plug	EA	1	\$250.00	\$250.00	\$200.00	\$200.00	\$500.00	\$500.00	\$300.00	\$300.00	\$200.00	\$200.00	\$264.00	\$264.00
16	Install Fire Hydrant Unit	EA	2	\$1,750.00	\$3,500.00	\$1,800.00	\$3,600.00	\$1,072.00	\$2,144.00	\$2,550.00	\$5,100.00	\$750.00	\$1,500.00	\$942.00	\$1,884.00
17	F&I 12" RCP, Class III	LF	36	\$26.00	\$936.00	\$36.00	\$1,296.00	\$30.00	\$1,080.00	\$46.00	\$1,656.00	\$36.00	\$1,296.00	\$36.00	\$1,296.00
18	F&I 30" Dia. Design N, Drainage Structure (#601, #611) W/ Sediment Trap	EA	2	\$1,875.00	\$3,750.00	\$2,100.00	\$4,200.00	\$1,692.00	\$3,384.00	\$2,100.00	\$4,200.00	\$3,300.00	\$6,600.00	\$1,821.00	\$3,642.00
19	Inlet Protection	EA	2	\$75.00	\$150.00	\$200.00	\$400.00	\$152.00	\$304.00	\$250.00	\$500.00	\$150.00	\$300.00	\$220.00	\$440.00
20	Seeding	ACRE	0.71	\$100.00	\$71.00	\$600.00	\$426.00	\$1,102.00	\$782.42	\$250.00	\$177.50	\$300.00	\$213.00	\$1,650.00	\$1,171.50
21	Seed, MNDOT 250	LB	50	\$5.00	\$250.00	\$5.00	\$250.00	\$12.00	\$600.00	\$3.50	\$175.00	\$4.00	\$200.00	\$16.50	\$825.00
22	Mulch Material, Type I	TON	1.4	\$175.00	\$245.00	\$200.00	\$280.00	\$262.00	\$366.80	\$175.00	\$245.00	\$200.00	\$280.00	\$220.00	\$308.00
23	Disk Anchoring	ACRE	0.71	\$75.00	\$53.25	\$100.00	\$71.00	\$315.00	\$223.65	\$175.00	\$124.25	\$200.00	\$142.00	\$110.00	\$78.10
24	Commercial Fertilizer 20-10-20	TON	0.12	\$600.00	\$72.00	\$700.00	\$84.00	\$997.00	\$119.64	\$660.00	\$79.20	\$200.00	\$24.00	\$990.00	\$118.80
25	Silt Fence	LF	50	\$3.00	\$150.00	\$5.00	\$250.00	\$6.00	\$300.00	\$3.00	\$150.00	\$4.00	\$200.00	\$9.90	\$495.00
26	Water (If Needed)	M gal.	4	\$20.00	\$80.00	\$40.00	\$160.00	\$126.00	\$504.00	\$28.00	\$112.00	\$30.00	\$120.00	\$110.00	\$440.00
Totals =				\$89,050.25		\$90,092.00		\$85,968.91		\$96,495.95		\$93,095.00		\$98,761.00	