

Wells 12, 15 22 Surface Water Pipeline Project

Bid Opening: June 10, 2010

Estimate: \$640,000

CONTRACTOR				KINETICS MECH SERVICES LIVERMORE		DA WOOD CONSTRUCTION EMPIRE	
ITEM #	DESCRIPTION	QTY	LS	ITEM COST	TOTAL COST	ITEM COST	TOTAL COST
1	Mobilization & Demobilization	1	LS	\$ 12,210.00	\$ 12,210.00	\$ 4,114.00	\$ 4,114.00
2	Pothole items per plan	30	EA	\$ 400.00	\$ 12,000.00	\$ 266.00	\$ 7,980.00
3	Construction Signs	1	LS	\$ 3,000.00	\$ 3,000.00	\$ 2,681.00	\$ 2,681.00
4	Traffic Control	1	LS	\$ 15,000.00	\$ 15,000.00	\$ 17,880.00	\$ 17,880.00
5	Saw-Cut AC	25,880	LF	\$ 0.50	\$ 12,940.00	\$ 0.72	\$ 18,633.60
6	Trench Patch (4"AC/6"AC) Northgate Dr., Alameda St., Agate Ave., Victory Ave.	23,100	SF	\$ 2.00	\$ 46,200.00	\$ 3.61	\$ 83,391.00
7	Trench Patch (6"AC/6"AC) Lathrop Rd., Union Rd., Louise Ave.	23,700	SF	\$ 3.00	\$ 71,100.00	\$ 4.57	\$ 108,309.00
8	Connect to Existing Water Main	10	EA	\$ 1,200.00	\$ 12,000.00	\$ 1,925.00	\$ 19,250.00
9	Provide and Install 8" gate valve with valve box, lid and ring	5	EA	\$ 2,000.00	\$ 10,000.00	\$ 1,332.00	\$ 6,660.00
10	Provide and Install 12" gate valve with valve box, lid and ring	9	EA	\$ 2,400.00	\$ 21,600.00	\$ 2,133.00	\$ 19,197.00
11	Provide and Install 16" butterfly valve with valve box, lid and ring	4	EA	\$ 2,800.00	\$ 11,200.00	\$ 2,418.00	\$ 9,672.00
12	Provide and Install 18" butterfly valve with valve box, lid and ring	2	EA	\$ 3,000.00	\$ 6,000.00	\$ 2,697.00	\$ 5,394.00
13	Valve box model G05Cv by Christy Concrete products with rings, custom lids provided by City	5	EA	\$ 400.00	\$ 2,000.00	\$ 564.00	\$ 2,820.00
14	Provide and install a below grade blowoff assembly with valve box per City standard W-7	3	EA	\$ 1,500.00	\$ 4,500.00	\$ 2,239.00	\$ 6,717.00
15	Provide and install an air release valve assembly per City Standard W-18	1	EA	\$ 2,000.00	\$ 2,000.00	\$ 2,150.00	\$ 2,150.00
16	provide an 8" butterfly control valve with actuator at the well sites	3	EA	\$ 4,000.00	\$ 12,000.00	\$ 6,968.00	\$ 20,904.00
17	Provide 8" flow meter at the well sites	3	EA	\$ 5,000.00	\$ 15,000.00	\$ 4,051.00	\$ 12,153.00
18	Provide static mixer at well sites	3	EA	\$ 4,000.00	\$ 12,000.00	\$ 5,307.00	\$ 15,921.00
19	Traffic rated pullbox E-6	5	EA	\$ 1,000.00	\$ 5,000.00	\$ 678.00	\$ 3,390.00
20	Electrical pullbox P-48 for future fiber optics	2	EA	\$ 1,500.00	\$ 3,000.00	\$ 604.00	\$ 1,208.00
21	Pressure test and disinfect water mains	1	LS	\$ 5,200.00	\$ 5,200.00	\$ 3,031.00	\$ 3,031.00
22	provide interim water line connections	2	LS	\$ 3,900.00	\$ 7,800.00	\$ 5,600.00	\$ 11,200.00
23	8" PVC DR 18 water line, includes all fittings, thrust blocks, pipe restraints and trench backfill	4,600	LF	\$ 22.00	\$ 101,200.00	\$ 19.08	\$ 87,768.00
24	8" PVC DR 14 water line, includes all fittings, thrust blocks, pipe restraints and trench backfill	160	LF	\$ 30.00	\$ 4,800.00	\$ 30.30	\$ 4,848.00

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25	8" ductile iron water line, includes all fittings, thrust blocks, pipe restraints and trench backfill	100	LF	\$ 70.00	\$ 7,000.00	\$ 41.76	\$ 4,176.00
26	12" PVC DR 18 water line, includes all fittings, thrust blocks, pipe restraints and trench backfill	4,700	LF	\$ 34.00	\$ 159,800.00	\$ 27.26	\$ 128,122.00
27	12" PVC DR 14 wwater line, includes all fittings, thrust blocks, pipe restraints and trench backfill	350	LF	\$ 40.00	\$ 14,000.00	\$ 27.15	\$ 9,502.50
28	16" (PVC DR 14 or ductile iron pipe) water line, includes all fittings, thrust blocks, pipe restraints and trench backfill	3,730	LF	\$ 51.00	\$ 190,230.00	\$ 42.50	\$ 158,525.00
29	18" (PVC DR 14 or ductile iron pipe) water line, includes all fittings, thrust blocks, pipe restraints and trench backfill	730	LF	\$ 44.00	\$ 32,120.00	\$ 45.40	\$ 33,142.00
30	18" PVC DR 18 water line includes all fittings, thrust blocks, pipe restraints and trench backfill	200	LF	\$ 48.00	\$ 9,600.00	\$ 47.35	\$ 9,470.00
31	Reconnect existing fire hydrants with new assembly, Type X Pavement Markers	2	EA	\$ 2,000.00	\$ 4,000.00	\$ 3,500.00	\$ 7,000.00
32	2" schedule 40 PVC conduit for future fiber optics	10,150	LF	\$ 1.00	\$ 10,150.00	\$ 0.82	\$ 8,323.00
33	3/4" electrical conduit at well sites	200	LF	\$ 25.00	\$ 5,000.00	\$ 4.02	\$ 804.00
34	Provide and install valve vaults, flow meter vaults, vault hatches, ductile iron piping & reconnect piping with all fittings, thrust blocks * pipe restraints at well site, see plans for details	1	LS	\$ 14,100.00	\$ 14,100.00	\$ 44,017.00	\$ 44,017.00
35	Install flow control valve, flow meter, static mixer and all necessary wiring and conduit for acomplete system at well site	1	LS	\$ 6,700.00	\$ 6,700.00	\$ 5,225.00	\$ 5,225.00
36	Replace and damaged traffic loops due to water line construction	21	EA	\$ 500.00	\$ 10,500.00	\$ 850.00	\$ 17,850.00
37	Slurry seal entire width of street within the limmits of works	79,720	SY	\$ 1.20	\$ 95,664.00	\$ 1.40	\$ 111,608.00
38	Pavement striping and markers	1	LS	\$ 6,000.00	\$ 6,000.00	\$ 54,795.00	\$ 54,795.00
39	Remove existing chain link fence at Wells 12 & 15 and discard of material	352	LF	\$ 5.00	\$ 1,760.00	\$ 2.25	\$ 792.00
40	Install a 7' tall prefabricated tubular fence w/ gates at Well 12 & 15 and include concrete footings for each fence post	360	LF	\$ 30.00	\$ 10,800.00	\$ 100.18	\$ 36,064.80
41	Install a 12" wide by 4" thick mow strip along the tubular fence perimeter	295	LF	\$ 20.00	\$ 5,900.00	\$ 19.75	\$ 5,826.25
42	Remove existing median & install Median curb per City standard (ST-34), Detail A-1	240	LF	\$ 15.00	\$ 3,600.00	\$ 24.00	\$ 5,760.00
43	Install river rock set in concrete in the median area (see sheet 18 on plans)	320	SF	\$ 10.00	\$ 3,200.00	\$ 24.50	\$ 7,840.00
Total Bid					\$ 997,874.00		\$ 1,124,114.15

Wells 12, 15 22 Surface Water Pipeline Project

Bid Opening: June 10, 2010

Estimate: \$640,000

CONTRACTOR				MOZINGO CONSTRUCTION OAKDALE		PE PACIFIC ENGINEERING BAKERSFIELD	
ITEM #	DESCRIPTION	QTY	LS	ITEM COST	TOTAL COST	ITEM COST	TOTAL COST
1	Mobilization & Demobilization	1	LS	\$ 11,000.00	\$ 11,000.00	\$ 95,000.00	\$ 95,000.00
2	Pothole items per plan	30	EA	\$ 300.00	\$ 9,000.00	\$ 100.00	\$ 3,000.00
3	Construction Signs	1	LS	\$ 2,000.00	\$ 2,000.00	\$ 1,500.00	\$ 1,500.00
4	Traffic Control	1	LS	\$ 19,000.00	\$ 19,000.00	\$ 5,000.00	\$ 5,000.00
5	Saw-Cut AC	25,880	LF	\$ 0.30	\$ 7,764.00	\$ 0.50	\$ 12,940.00
6	Trench Patch (4"AC/6"AC) Northgate Dr., Alameda St., Agate Ave., Victory Ave.	23,100	SF	\$ 5.00	\$ 115,500.00	\$ 3.10	\$ 71,610.00
7	Trench Patch (6"AC/6"AC) Lathrop Rd., Union Rd., Louise Ave.	23,700	SF	\$ 6.00	\$ 142,200.00	\$ 4.35	\$ 103,095.00
8	Connect to Existing Water Main	10	EA	\$ 2,400.00	\$ 24,000.00	\$ 2,500.00	\$ 25,000.00
9	Provide and Install 8" gate valve with valve box, lid and ring	5	EA	\$ 1,425.00	\$ 7,125.00	\$ 1,300.00	\$ 6,500.00
10	Provide and Install 12" gate valve with valve box, lid and ring	9	EA	\$ 2,250.00	\$ 20,250.00	\$ 1,700.00	\$ 15,300.00
11	Provide and Install 16" butterfly valve with valve box, lid and ring	4	EA	\$ 2,450.00	\$ 9,800.00	\$ 4,000.00	\$ 16,000.00
12	Provide and Install 18" butterfly valve with valve box, lid and ring	2	EA	\$ 2,725.00	\$ 5,450.00	\$ 4,500.00	\$ 9,000.00
13	Valve box model G05Cv by Christy Concrete products with rings, custom lids provided by City	5	EA	\$ 600.00	\$ 3,000.00	\$ 300.00	\$ 1,500.00
14	Provide and install a below grade blowoff assembly with valve box per City standard W-7	3	EA	\$ 2,700.00	\$ 8,100.00	\$ 6,500.00	\$ 19,500.00
15	Provide and install an air release valve assembly per City Standard W-18	1	EA	\$ 2,600.00	\$ 2,600.00	\$ 4,500.00	\$ 4,500.00
16	provide an 8" butterfly control valve with actuator at the well sites	3	EA	\$ 15,500.00	\$ 46,500.00	\$ 4,500.00	\$ 13,500.00
17	Provide 8" flow meter at the well sites	3	EA	\$ 13,500.00	\$ 40,500.00	\$ 3,000.00	\$ 9,000.00
18	Provide static mixer at well sites	3	EA	\$ 5,800.00	\$ 17,400.00	\$ 7,000.00	\$ 21,000.00
19	Traffic rated pullbox E-6	5	EA	\$ 750.00	\$ 3,750.00	\$ 650.00	\$ 3,250.00
20	Electrical pullbox P-48 for future fiber optics	2	EA	\$ 500.00	\$ 1,000.00	\$ 700.00	\$ 1,400.00
21	Pressure test and disinfect water mains	1	LS	\$ 12,000.00	\$ 12,000.00	\$ 3,000.00	\$ 3,000.00
22	provide interim water line connections	2	LS	\$ 3,000.00	\$ 6,000.00	\$ 4,000.00	\$ 8,000.00
23	8" PVC DR 18 water line, includes all fittings, thrust blocks, pipe restraints and trench backfill	4,600	LF	\$ 19.50	\$ 89,700.00	\$ 21.00	\$ 96,600.00
24	8" PVC DR 14 water line, includes all fittings, thrust blocks, pipe restraints and trench backfill	160	LF	\$ 25.00	\$ 4,000.00	\$ 20.00	\$ 3,200.00

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25	8" ductile iron water line, includes all fittings, thrust blocks, pipe restraints and trench backfill	100	LF	\$ 31.00	\$ 3,100.00	\$ 160.00	\$ 16,000.00
26	12" PVC DR 18 water line, includes all fittings, thrust blocks, pipe restraints and trench backfill	4,700	LF	\$ 26.00	\$ 122,200.00	\$ 28.00	\$ 131,600.00
27	12" PVC DR 14 wwater line, includes all fittings, thrust blocks, pipe restraints and trench backfill	350	LF	\$ 29.00	\$ 10,150.00	\$ 30.00	\$ 10,500.00
28	16" (PVC DR 14 or ductile iron pipe) water line, includes all fittings, thrust blocks, pipe restraints and trench backfill	3,730	LF	\$ 41.00	\$ 152,930.00	\$ 49.00	\$ 182,770.00
29	18" (PVC DR 14 or ductile iron pipe) water line, includes all fittings, thrust blocks, pipe restraints and trench backfill	730	LF	\$ 42.00	\$ 30,660.00	\$ 155.00	\$ 113,150.00
30	18" PVC DR 18 water line includes all fittings, thrust blocks, pipe restraints and trench backfill	200	LF	\$ 67.00	\$ 13,400.00	\$ 55.00	\$ 11,000.00
31	Reconnect existing fire hydrants with new assembly, Type X Pavement Markers	2	EA	\$ 2,500.00	\$ 5,000.00	\$ 3,000.00	\$ 6,000.00
32	2" schedule 40 PVC conduit for future fiber optics	10,150	LF	\$ 2.00	\$ 20,300.00	\$ 0.95	\$ 9,642.50
33	3/4" electrical conduit at well sites	200	LF	\$ 22.00	\$ 4,400.00	\$ 1.00	\$ 200.00
34	Provide and install valve vaults, flow meter vaults, vault hatches, ductile iron piping & reconnect piping with all fittings, thrust blocks * pipe restraints at well site, see plans for details	1	LS	\$ 30,000.00	\$ 30,000.00	\$ 44,900.00	\$ 44,900.00
35	Install flow control valve, flow meter, static mixer and all necessary wiring and conduit for acomplete system at well site	1	LS	\$ 10,000.00	\$ 10,000.00	\$ 1,500.00	\$ 1,500.00
36	Replace and damaged traffic loops due to water line construction	21	EA	\$ 350.00	\$ 7,350.00	\$ 300.00	\$ 6,300.00
37	Slurry seal entire width of street within the limmits of works	79,720	SY	\$ 1.55	\$ 123,566.00	\$ 1.45	\$ 115,594.00
38	Pavement striping and markers	1	LS	\$ 60,000.00	\$ 60,000.00	\$ 56,000.00	\$ 56,000.00
39	Remove existing chain link fence at Wells 12 & 15 and discard of material	352	LF	\$ 5.00	\$ 1,760.00	\$ 10.00	\$ 3,520.00
40	Install a 7' tall prefabricated tubular fence w/ gates at Well 12 & 15 and include concrete footings for each fence post	360	LF	\$ 118.00	\$ 42,480.00	\$ 65.00	\$ 23,400.00
41	Install a 12" wide by 4" thick mow strip along the tubular fence perimeter	295	LF	\$ 15.00	\$ 4,425.00	\$ 14.00	\$ 4,130.00
42	Remove existing median & install Median curb per City standard (ST-34), Detail A-1	240	LF	\$ 30.00	\$ 7,200.00	\$ 19.00	\$ 4,560.00
43	Install river rock set in concrete in the median area (see sheet 18 on plans)	320	SF	\$ 9.00	\$ 2,880.00	\$ 47.00	\$ 15,040.00
Total Bid					\$ 1,259,440.00		\$ 1,304,201.50

Wells 12, 15 22 Surface Water Pipeline Project

Bid Opening: June 10, 2010

Estimate: \$640,000

CONTRACTOR				KNIFE RIVER CONSTR STOCKTON		PRESTON PIPELINES MILPITAS	
ITEM #	DESCRIPTION	QTY	LS	ITEM COST	TOTAL COST	ITEM COST	TOTAL COST
1	Mobilization & Demobilization	1	LS	\$ 10,000.00	\$ 10,000.00	\$ 22,000.00	\$ 22,000.00
2	Pothole items per plan	30	EA	\$ 220.00	\$ 6,600.00	\$ 450.00	\$ 13,500.00
3	Construction Signs	1	LS	\$ 1,100.00	\$ 1,100.00	\$ 10,000.00	\$ 10,000.00
4	Traffic Control	1	LS	\$ 24,000.00	\$ 24,000.00	\$ 25,000.00	\$ 25,000.00
5	Saw-Cut AC	25,880	LF	\$ 0.75	\$ 19,410.00	\$ 0.90	\$ 23,292.00
6	Trench Patch (4"AC/6"AC) Northgate Dr., Alameda St., Agate Ave., Victory Ave.	23,100	SF	\$ 4.85	\$ 112,035.00	\$ 3.70	\$ 85,470.00
7	Trench Patch (6"AC/6"AC) Lathrop Rd., Union Rd., Louise Ave.	23,700	SF	\$ 6.25	\$ 148,125.00	\$ 5.50	\$ 130,350.00
8	Connect to Existing Water Main	10	EA	\$ 2,200.00	\$ 22,000.00	\$ 3,000.00	\$ 30,000.00
9	Provide and Install 8" gate valve with valve box, lid and ring	5	EA	\$ 1,350.00	\$ 6,750.00	\$ 1,400.00	\$ 7,000.00
10	Provide and Install 12" gate valve with valve box, lid and ring	9	EA	\$ 2,100.00	\$ 18,900.00	\$ 2,300.00	\$ 20,700.00
11	Provide and Install 16" butterfly valve with valve box, lid and ring	4	EA	\$ 2,600.00	\$ 10,400.00	\$ 2,500.00	\$ 10,000.00
12	Provide and Install 18" butterfly valve with valve box, lid and ring	2	EA	\$ 2,850.00	\$ 5,700.00	\$ 2,800.00	\$ 5,600.00
13	Valve box model G05Cv by Christy Concrete products with rings, custom lids provided by City	5	EA	\$ 400.00	\$ 2,000.00	\$ 450.00	\$ 2,250.00
14	Provide and install a below grade blowoff assembly with valve box per City standard W-7	3	EA	\$ 2,700.00	\$ 8,100.00	\$ 2,300.00	\$ 6,900.00
15	Provide and install an air release valve assembly per City Standard W-18	1	EA	\$ 2,900.00	\$ 2,900.00	\$ 2,400.00	\$ 2,400.00
16	provide an 8" butterfly control valve with actuator at the well sites	3	EA	\$ 7,000.00	\$ 21,000.00	\$ 7,000.00	\$ 21,000.00
17	Provide 8" flow meter at the well sites	3	EA	\$ 4,050.00	\$ 12,150.00	\$ 7,000.00	\$ 21,000.00
18	Provide static mixer at well sites	3	EA	\$ 5,500.00	\$ 16,500.00	\$ 4,000.00	\$ 12,000.00
19	Traffic rated pullbox E-6	5	EA	\$ 780.00	\$ 3,900.00	\$ 1,000.00	\$ 5,000.00
20	Electrical pullbox P-48 for future fiber optics	2	EA	\$ 870.00	\$ 1,740.00	\$ 950.00	\$ 1,900.00
21	Pressure test and disinfect water mains	1	LS	\$ 17,000.00	\$ 17,000.00	\$ 14,590.00	\$ 14,590.00
22	provide interim water line connections	2	LS	\$ 2,100.00	\$ 4,200.00	\$ 4,500.00	\$ 9,000.00
23	8" PVC DR 18 water line, includes all fittings, thrust blocks, pipe restraints and trench backfill	4,600	LF	\$ 22.50	\$ 103,500.00	\$ 29.00	\$ 133,400.00
24	8" PVC DR 14 water line, includes all fittings, thrust blocks, pipe restraints and trench backfill	160	LF	\$ 24.50	\$ 3,920.00	\$ 60.00	\$ 9,600.00

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25	8" ductile iron water line, includes all fittings, thrust blocks, pipe restraints and trench backfill	100	LF	\$ 39.00	\$ 3,900.00	\$ 75.00	\$ 7,500.00
26	12" PVC DR 18 water line, includes all fittings, thrust blocks, pipe restraints and trench backfill	4,700	LF	\$ 31.70	\$ 148,990.00	\$ 40.00	\$ 188,000.00
27	12" PVC DR 14 wwater line, includes all fittings, thrust blocks, pipe restraints and trench backfill	350	LF	\$ 35.00	\$ 12,250.00	\$ 60.00	\$ 21,000.00
28	16" (PVC DR 14 or ductile iron pipe) water line, includes all fittings, thrust blocks, pipe restraints and trench backfill	3,730	LF	\$ 46.50	\$ 173,445.00	\$ 54.00	\$ 201,420.00
29	18" (PVC DR 14 or ductile iron pipe) water line, includes all fittings, thrust blocks, pipe restraints and trench backfill	730	LF	\$ 53.00	\$ 38,690.00	\$ 70.00	\$ 51,100.00
30	18" PVC DR 18 water line includes all fittings, thrust blocks, pipe restraints and trench backfill	200	LF	\$ 71.50	\$ 14,300.00	\$ 100.00	\$ 20,000.00
31	Reconnect existing fire hydrants with new assembly, Type X Pavement Markers	2	EA	\$ 2,700.00	\$ 5,400.00	\$ 1,000.00	\$ 2,000.00
32	2" schedule 40 PVC conduit for future fiber optics	10,150	LF	\$ 0.70	\$ 7,105.00	\$ 1.00	\$ 10,150.00
33	3/4" electrical conduit at well sites	200	LF	\$ 12.25	\$ 2,450.00	\$ 25.00	\$ 5,000.00
34	Provide and install valve vaults, flow meter vaults, vault hatches, ductile iron piping & reconnect piping with all fittings, thrust blocks * pipe restraints at well site, see plans for details	1	LS	\$ 65,500.00	\$ 65,500.00	\$ 90,000.00	\$ 90,000.00
35	Install flow control valve, flow meter, static mixer and all necessary wiring and conduit for acomplete system at well site	1	LS	\$ 13,000.00	\$ 13,000.00	\$ 18,000.00	\$ 18,000.00
36	Replace and damaged traffic loops due to water line construction	21	EA	\$ 650.00	\$ 13,650.00	\$ 1,000.00	\$ 21,000.00
37	Slurry seal entire width of street within the limmits of works	79,720	SY	\$ 1.45	\$ 115,594.00	\$ 1.40	\$ 111,608.00
38	Pavement striping and markers	1	LS	\$ 54,000.00	\$ 54,000.00	\$ 54,000.00	\$ 54,000.00
39	Remove existing chain link fence at Wells 12 & 15 and discard of material	352	LF	\$ 11.00	\$ 3,872.00	\$ 5.00	\$ 1,760.00
40	Install a 7' tall prefabricated tubular fence w/ gates at Well 12 & 15 and include concrete footings for each fence post	360	LF	\$ 106.00	\$ 38,160.00	\$ 105.00	\$ 37,800.00
41	Install a 12" wide by 4" thick mow strip along the tubular fence perimeter	295	LF	\$ 21.50	\$ 6,342.50	\$ 19.00	\$ 5,605.00
42	Remove existing median & install Median curb per City standard (ST-34), Detail A-1	240	LF	\$ 33.70	\$ 8,088.00	\$ 45.00	\$ 10,800.00
43	Install river rock set in concrete in the median area (see sheet 18 on plans)	320	SF	\$ 14.50	\$ 4,640.00	\$ 15.00	\$ 4,800.00
Total Bid					\$ 1,311,306.50		\$ 1,483,495.00

Wells 12, 15 22 Surface Water Pipeline Project

Bid Opening: June 10, 2010

Estimate: \$640,000

CONTRACTOR				J & M INC LIVERMORE	
ITEM #	DESCRIPTION	QTY	LS	ITEM COST	TOTAL COST
1	Mobilization & Demobilization	1	LS	\$ 35,750.00	\$ 35,750.00
2	Pothole items per plan	30	EA	\$ 10,500.00	\$ 315,000.00
3	Construction Signs	1	LS	\$ 24,502.00	\$ 24,502.00
4	Traffic Control	1	LS	\$ 58,800.00	\$ 58,800.00
5	Saw-Cut AC	25,880	LF	\$ 0.75	\$ 19,410.00
6	Trench Patch (4"AC/6"AC) Northgate Dr., Alameda St., Agate Ave., Victory Ave.	23,100	SF	\$ 4.25	\$ 98,175.00
7	Trench Patch (6"AC/6"AC) Lathrop Rd., Union Rd., Louise Ave.	23,700	SF	\$ 5.75	\$ 136,275.00
8	Connect to Existing Water Main	10	EA	\$ 3,512.00	\$ 35,120.00
9	Provide and Install 8" gate valve with valve box, lid and ring	5	EA	\$ 1,438.00	\$ 7,190.00
10	Provide and Install 12" gate valve with valve box, lid and ring	9	EA	\$ 2,339.00	\$ 21,051.00
11	Provide and Install 16" butterfly valve with valve box, lid and ring	4	EA	\$ 2,648.00	\$ 10,592.00
12	Provide and Install 18" butterfly valve with valve box, lid and ring	2	EA	\$ 3,400.00	\$ 6,800.00
13	Valve box model G05Cv by Christy Concrete products with rings, custom lids provided by City	5	EA	\$ 192.00	\$ 960.00
14	Provide and install a below grade blowoff assembly with valve box per City standard W-7	3	EA	\$ 2,700.00	\$ 8,100.00
15	Provide and install an air release valve assembly per City Standard W-18	1	EA	\$ 2,700.00	\$ 2,700.00
16	provide an 8" butterfly control valve with actuator at the well sites	3	EA	\$ 6,713.00	\$ 20,139.00
17	Provide 8" flow meter at the well sites	3	EA	\$ 3,705.00	\$ 11,115.00
18	Provide static mixer at well sites	3	EA	\$ 5,686.00	\$ 17,058.00
19	Traffic rated pullbox E-6	5	EA	\$ 400.00	\$ 2,000.00
20	Electrical pullbox P-48 for future fiber optics	2	EA	\$ 1,038.00	\$ 2,076.00
21	Pressure test and disinfect water mains	1	LS	\$ 29,180.00	\$ 29,180.00
22	provide interim water line connections	2	LS	\$ 3,362.00	\$ 6,724.00
23	8" PVC DR 18 water line, includes all fittings, thrust blocks, pipe restraints and trench backfill	4,600	LF	\$ 45.25	\$ 208,150.00
24	8" PVC DR 14 water line, includes all fittings, thrust blocks, pipe restraints and trench backfill	160	LF	\$ 70.00	\$ 11,200.00

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25	8" ductile iron water line, includes all fittings, thrust blocks, pipe restraints and trench backfill	100	LF	\$ 128.00	\$ 12,800.00
26	12" PVC DR 18 water line, includes all fittings, thrust blocks, pipe restraints and trench backfill	4,700	LF	\$ 57.00	\$ 267,900.00
27	12" PVC DR 14 wwater line, includes all fittings, thrust blocks, pipe restraints and trench backfill	350	LF	\$ 68.00	\$ 23,800.00
28	16" (PVC DR 14 or ductile iron pipe) water line, includes all fittings, thrust blocks, pipe restraints and trench backfill	3,730	LF	\$ 77.50	\$ 289,075.00
29	18" (PVC DR 14 or ductile iron pipe) water line, includes all fittings, thrust blocks, pipe restraints and trench backfill	730	LF	\$ 101.25	\$ 73,912.50
30	18" PVC DR 18 water line includes all fittings, thrust blocks, pipe restraints and trench backfill	200	LF	\$ 143.25	\$ 28,650.00
31	Reconnect existing fire hydrants with new assembly, Type X Pavement Markers	2	EA	\$ 3,304.00	\$ 6,608.00
32	2" schedule 40 PVC conduit for future fiber optics	10,150	LF	\$ 1.00	\$ 10,150.00
33	3/4" electrical conduit at well sites	200	LF	\$ 110.00	\$ 22,000.00
34	Provide and install valve vaults, flow meter vaults, vault hatches, ductile iron piping & reconnect piping with all fittings, thrust blocks * pipe restraints at well site, see plans for details	1	LS	\$ 91,736.00	\$ 91,736.00
35	Install flow control valve, flow meter, static mixer and all necessary wiring and conduit for acomplete system at well site	1	LS	\$ 14,247.00	\$ 14,247.00
36	Replace and damaged traffic loops due to water line construction	21	EA	\$ 377.14	\$ 7,919.94
37	Slurry seal entire width of street within the limmits of works	79,720	SY	\$ 1.50	\$ 119,580.00
38	Pavement striping and markers	1	LS	\$ 60,000.00	\$ 60,000.00
39	Remove existing chain link fence at Wells 12 & 15 and discard of material	352	LF	\$ 5.50	\$ 1,936.00
40	Install a 7' tall prefabricated tubular fence w/ gates at Well 12 & 15 and include concrete footings for each fence post	360	LF	\$ 152.75	\$ 54,990.00
41	Install a 12" wide by 4" thick mow strip along the tubular fence perimeter	295	LF	\$ 7.00	\$ 2,065.00
42	Remove existing median & install Median curb per City standard (ST-34), Detail A-1	240	LF	\$ 28.00	\$ 6,720.00
43	Install river rock set in concrete in the median area (see sheet 18 on plans)	320	SF	\$ 33.00	\$ 10,560.00
Total Bid					\$ 2,192,716.44