

Vitrified clay tile pipe sewer of the internal diameter designated in inches, including eight (8) inch "Y" branches, sealed with clay disc stoppers, eight (8) inch "Y" branch connections for catchbasins, and all necessary fittings, cementing joints with Portland cement mortar, furnished and laid complete in place including trenching and backfilling, and all necessary earth excavation, bracing, sheeting, making necessary pipe bedding and fills for pipe support and cover as required, and removal of excess earth, as follows:

20,000 lineal feet of eight (8) inch catchbasin connections @ \$1.30 per lineal foot	\$ 26,000.00
57,000 lineal feet of twelve (12) inch sewer, @ \$2.75 per lineal foot	156,750.00
20,000 lineal feet of fifteen (15) inch sewer, @ \$3.50 per lineal foot	70,000.00
7,700 lineal feet of eighteen (18) inch sewer, @ \$4.75 per lineal foot	36,575.00
6,800 lineal feet of twenty-one (21) inch sewer, @ \$6.00 per lineal foot	40,800.00
6,100 lineal feet of twenty-four (24) inch sewer, @ \$7.50 per lineal foot	45,750.00
8,100 lineal feet of twenty-seven (27) inch sewer, @ \$8.75 per lineal foot	70,875.00
7,500 lineal feet of thirty (30) inch sewer, at \$10.00 per lineal foot	75,000.00
510 lineal feet of thirty-three (33) inch sewer, @ \$11.00 per lineal foot	5,610.00
390 lineal feet of thirty-six (36) inch sewer, @ \$12.20 per lineal foot	4,758.00

Vitrified Clay Segment Block of the double ring type, circular sewer of internal diameter in inches as designated, with all necessary fittings, joints made with Portland cement mortar, all necessary pipe bedding support, including fill for covering sewer excavation, bracing, sheeting, backfilling and removal of surplus earth, and including eight (8) inch tee branch connections sealed with clay disc stoppers and eight (8) inch tee branch connections for catchbasin connections, furnished and laid complete in place as follows:

400 lineal feet of forty-two (42) inch sewer, @ \$15.00 per lineal foot	\$ 6,000.00
1,400 lineal feet of forty-eight (48) inch sewer, @ \$16.25 per lineal foot	22,750.00
1,250 lineal feet of fifty-four (54) inch sewer, @ \$18.00 per lineal foot	24,300.00
1,100 lineal feet of sixty (60) inch sewer, @ \$23.00 per lineal foot	67,525.00
1,000 lineal feet of sixty-six (66) inch sewer, @ \$25.00 per lineal foot	74,750.00
1,000 lineal feet of seventy-two (72) inch sewer, @ \$23.00 per lineal foot	166,500.00
1,000 lineal feet of seventy-eight (78) inch sewer, @ \$33.50 per lineal foot	83,800.00
1,000 lineal feet of eighty-four (84) inch sewer, @ \$38.00 per lineal foot	110,200.00
1,000 lineal feet of one hundred two (102) inch sewer, @ \$45.00 per lineal foot	162,000.00
480 Brick Manholes of three (3) feet internal diameter with walls eight (8) inches thick and a cast iron cover weighing 470 pounds constructed in place on sewers having a diameter greater than thirty-six (36) inches, complete @ \$100.00 each	48,900.00
81 Brick Manholes of three and one-half (3½) feet internal diameter with walls eight (8) inches thick and a cast iron cover weighing 470 pounds constructed in place on sewers having a diameter greater than thirty-six (36) inches, complete @ \$100.00 each	\$100.00
602 Brick catchbasins, cylindrical in shape, three (3) feet internal diameter, five (5) feet deep of brick work and including a 350 pound cast iron cover of adjustable curb pattern and grate seventeen (17) by twenty-two (22) inches in size, with an eight (8) inch half trap, the bottom of which is set two (2) feet above the floor of the basin on the inside of said basin (but not including the eight (8) inch connection to sewer) including all labor and materials complete @ \$75 each	45,150.00

Vitrified Clay Segment Block of the double ring type, circular in cross section of the internal diameter in inches as designated with joints made with Portland cement mortar, constructed in tunnel, including all timbering, concrete

backfilling, removal of surplus excavation, laid complete and in place as follows:

250 lineal feet of one hundred two (102) inch sewer, @ \$75.00 per lineal foot	\$ 18,750.00
60 lineal feet of eighty-four (84) inch sewer, @ \$50.00 per lineal foot	3,000.00
30 lineal feet of seventy-two (72) inch sewer, @ \$45.00 per lineal foot	1,350.00
60 lineal feet of sixty-six (66) inch sewer, @ \$40.00 per lineal foot	2,400.00
Vitrified Clay Tile pipe sewers of the internal diameter designated in inches, with joints made with Portland cement mortar, constructed in tunnel, including all timbering, concrete, backfilling, removal of surplus excavation, laid complete and in place as follows:	
30 lineal feet of thirty-three (33) inch sewer, @ \$25.00 per lineal foot	\$ 750.00
30 lineal feet of thirty (30) inch sewer, @ \$25.00 per lineal foot	750.00
335 lineal feet of twelve (12) inch sewer, @ \$25.00 per lineal foot	8,375.00
4,000 cubic yards of concrete for cradles on vitrified clay tile pipe sewers including excavation, labor and materials, complete in place, @ \$15.00 per cubic yard	60,000.00
32,000 cubic yards of surplus excavation to be removed, @ \$1.00 per cubic yard	32,000.00
1 Pumping station building, eighty-four (84) feet and eight (8) inches long and fifty-six (56) feet and one-half (½) inch wide, except concrete foundation, with a brick superstructure with Bedford stone trim; concrete floor, steel roof trusses and steel purlins, with reinforced interlocking roof tile, including windows, doors, plastering, painting, electric wiring, heating plant, plumbing and plumbing appurtenances including all material and labor necessary to fully erect and complete the building in place in accordance with the plans attached to said ordinance distributed as follows:	
21,000 Gray pressed face brick laid up in mortar including all labor and material @ \$80.00 per thousand	2,160.00
15,000 Glazed brick laid in mortar including all labor and material @ \$160.00 per thousand	2,400.00
4,000 Vitrified paving brick laid in mortar including all labor and material @ \$80.00 per thousand	320.00
55,000 No. 1 common brick laid in mortar including all labor and material @ \$40.00 per thousand	2,200.00
750 Cubic feet Bedford stone trim completely erected in place including all labor and material @ \$6.00 per cubic yard	4,500.00
115 Cubic yards of concrete floors, concrete base, office roof slabs of concrete and concrete steps constructed in place including all labor and material @ \$20.00 per cubic yard	2,300.00
46 Squares of reinforced interlocking roofing tile including copper flashing, all erected in place including all labor and material @ \$60.00 per square	2,760.00
24 Tons of structural steel for roof trusses, purlins, and other structural appurtenances, erected in place, including fabrication, painting, labor and material, as set forth in said plans attached to said ordinance @ \$110.00 per ton	2,640.00
1,115 Square feet steel sash for 18 windows including all hardware, erection, painting, and all labor and material, in place @ \$1.00 per square foot	1,115.00
710 Square feet of glazing installed in place including all labor and material @ 60c per square foot	426.00
42 Feet of pipe railing including erection, painting, and all labor and material, completely installed in place @ \$4.00 per foot	168.00

160 Square yards of plastering in ceiling and walls in office and toilet including lathing and corner beads and including all labor and material complete in place @ \$2.50 per square yard	400.00
1 Steam heating plant complete including pipes, radiators, valves, bricked in boiler, and all necessary appurtenances including erection, painting and all labor and material installed complete in place	3,711.00
Electric wiring complete, including cut out boxes and main line switches, fuses and forty outlets including conduit pipe and all material and labor complete in place	600.00
Carpentry work including six (6) doors and hardware, trim, moulding, window stools and base, including all labor and material complete in place	1,300.00
Waterproofing walls, calceining walls and ceiling and painting, varnishing and finishing of woodwork trim and walls, including all labor and material	500.00
Plumbing including all floor drainage and down spouts with connections to wet well, plumbing fixtures, piping and connections with water supply well and to the hot water heater and boiler, and all plumbing appliances, a one hundred fifty (150) gallon hot water tank and one hot water heater, including the furnishing of all fixtures and appliances and including all material and labor completely installed in place	1,000.00
1 Six (6) inch diameter water supply well with casing and screen, together with automatic electric deep well pump, steel compression and storage tank, installed in the pumping station building including all pipe connections between pump, tank and with the several plumbing appliances in the building, all complete in place and ready for operation	2,500.00
150 Cubic yard of concrete for building and machinery foundations including all excavation, labor and material, as set forth in the said plans attached to said ordinance complete in place @ \$20.00 per cubic yard	3,000.00
1 Reinforced concrete discharge chamber including all necessary excavation, material, and labor as set forth in the said plans attached to said ordinance, complete in place	6,000.00
2 Underground steel storage tanks, complete and in place, each ten (10) feet six (6) inches in diameter and twenty-nine (29) feet and ten (10) inches long, including vent pipes, inlet pipes and outlet pipes connected to Diesel oil engines and including all labor, material, excavation and backfilling, complete in place, @ \$2,500.00 each	5,000.00
2 Two cycle 270 horse power Diesel oil engines each provided with three (3) cylinders, pipe connecting to starting air compressor, cooling water pump, ten (10) inch exhaust pipe, ten (10) inch muffler, ten (10) inch vertical exhaust stack and flexible coupling, complete, erected in place and connected to forty-eight (48) inch horizontal screw pump and including all labor and material @ \$18,000.00 each	36,000.00
1 Six (6) horse power gasoline engine with pulley and belting and including exhaust pipe, muffler, gasoline tank, complete erected in place	

and including all labor and material	500.00
1 Four and one-half (4½) inch by five (5) inch vertical starting air compressor provided with a pulley including one and one-half (1½) inch air pipe connections to Diesel oil engines, complete and erected in place and including all labor and material	500.00
1 Seven and one-half (7½) inch by six (6) inch horizontal feather valve vacuum pump provided with a pulley including one and one-half (1½) inch pipe connection with the forty-eight (48) inch and twenty (20) inch horizontal screw pumps, complete and erected in place and including all labor and material	600.00
2 Forty-eight (48) inch horizontal screw pumps fitted with a cast iron impeller, steel shaft and pedestal bearing complete and erected in place, including piping from vacuum pump and including all labor and material @ \$8,000 each	16,000.00
1 Twenty (20) inch horizontal screw pump fitted with a cast iron impeller, steel shaft and pedestal bearing, complete and erected in place, including piping from vacuum pump and including all labor and material	2,500.00
1 Three phase 60 cycle 220 volt 50 horse power squirrel cage electric motor including hand starter, panel board and wiring complete, erected in place and connected to a twenty (20) inch horizontal screw pump and including all labor and material	1,200.00
1 Reinforced concrete wet well, with inside dimensions seventy-three (73) feet and two (2) inches by eight and one-half (8½) feet by nine (9) feet, including openings for suction pipes, five (5) foot sump well and three (3) manholes, lids and curbs, and including all labor, material, excavation and backfilling complete in place	6,000.00
2 Fifty-four (54) inch cast iron suction pipes and fittings installed in place from the forty-eight (48) inch pumps to wet well including all labor, material and placing complete as described in said ordinance and set forth in plans thereto attached, @ \$2,300.00 each	4,600.00
1 Twenty (20) inch cast iron suction pipe and fittings installed in place from the twenty (20) inch pumps to wet well including all labor, material and placing complete as described in said ordinance and set forth in plans thereto attached	480.00
1 Forty-eight (48) inch cast iron discharge pipe with fittings installed in place from the forty-eight (48) inch pump to the discharge chamber, including all excavation, steel beams, etc. to support pipe over wet well, labor and materials as described in said ordinance and set forth in plans thereto attached	5,000.00
1 Forty-eight (48) inch cast iron discharge pipe with fittings installed in place from the forty-eight (48) inch pump to the discharge chamber, including all excavation, labor and material as described in said ordinance and set forth in the plans thereto attached	2,400.00
1 Twenty (20) inch cast iron discharge pipe with fittings installed in place from the twenty (20) inch pump to the discharge chamber, including all excavation, steel beams, etc. to support pipe over wet well, labor and materials as de-	

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