

October 19, 2011

Sewer & Stormwater System Valuation

Assume Box Sewer Cost / Ft^2 \$48.00

Clay Pipe			Sanitary	Sanitary	Combined	Combined	Stormwater	Stormwater	Total	Total	\$/Ft.	Total \$
Exist Size (inches)	New Size	\$/Ft.	Feet	Repl. Cost	Feet	Repl. Cost	Feet	Repl. Cost	Feet	Miles		
<= 10"	10	\$250	2,857,107	\$714,276,750	55,347	\$13,836,750	8,898	\$2,224,500	2,921,352	553.29	\$250	\$730,338,000
12	12	\$290	419,925	\$121,778,250	227,450	\$65,960,500	31,878	\$9,244,620	679,253	128.65	\$290	\$196,983,370
15	15	\$330	155,502	\$51,315,660	270,670	\$89,321,100	69,167	\$22,825,110	495,339	93.81	\$330	\$163,461,870
18	18	\$350	64,046	\$22,416,100	104,683	\$36,639,050	27,201	\$9,520,350	195,930	37.11	\$350	\$68,575,500
20	21	\$375	3,448	\$1,293,000	99,936	\$37,476,000	16,698	\$6,261,750	120,082	22.74	\$375	\$45,030,750
21	21	\$375	28,917	\$10,843,875	20,649	\$7,743,375	2,080	\$780,000	51,646	9.78	\$375	\$19,367,250
24	24	\$415	60,040	\$24,916,600	71,164	\$29,533,060	18,022	\$7,479,130	149,226	28.26	\$415	\$61,928,790
27	27	\$465	8,095	\$3,764,175	4,933	\$2,293,845	0	\$0	13,028	2.47	\$465	\$6,058,020
30	30	\$530	24,075	\$12,759,750	26,543	\$14,067,790	5,594	\$2,964,820	56,212	10.65	\$530	\$29,792,360
36	36	\$630	14,461	\$9,110,430	7,908	\$4,982,040	1,203	\$757,890	23,572	4.46	\$630	\$14,850,360
48	48	\$830		\$0	770	\$639,100	513	\$425,790	1,283	0.24	\$830	\$1,064,890
Unknown	30	\$530	12,810	\$6,789,300	7,739	\$4,101,670	596	\$315,880	21,145	4.00	\$530	\$11,206,850
Subtotal			3,648,426	\$979,263,890	897,792	\$306,594,280	181,850	\$62,799,840	4,728,068	895		\$1,348,658,010

Brick Egg			Sanitary	Sanitary	Combined	Combined	Stormwater	Stormwater	Total	Total	\$/Ft.	Total \$
Exist Size (inches)	New Size	\$/Ft.	Feet	Repl. Cost	Feet	Repl. Cost	Feet	Repl. Cost	Feet	Miles		
2'-3"	1'-6"	\$350	4,643	\$1,625,050	2,242,832	\$784,991,200	15,866	\$5,553,100	2,263,341	428.66	\$350	\$792,169,350
2'-6"	1'-8"	\$415	3,785	\$1,570,775	1,045,024	\$433,684,960	6,256	\$2,596,240	1,055,065	199.82	\$415	\$437,851,975
3'	2'	\$465	2,723	\$1,266,195	966,312	\$449,335,080	7,330	\$3,408,450	976,365	184.92	\$465	\$454,009,725
3'-3"	2'-2"	\$530	1,311	\$694,830	104,136	\$55,192,080	1,696	\$898,880	107,143	20.29	\$530	\$56,785,790
3'-6"	2'-4"	\$630	4,001	\$2,520,630	239,885	\$151,127,550	4,364	\$2,749,320	248,250	47.02	\$630	\$156,397,500
3'-7"	2'-10"	\$715	8,464	\$6,051,760	0	\$0	0	\$0	8,464	1.60	\$715	\$6,051,760
4'	2'-8"	\$715	0	\$0	52,611	\$37,616,865	4,999	\$3,574,285	57,610	10.91	\$715	\$41,191,150
4'-3"	2'-10"	\$830	0	\$0	6,632	\$5,504,560	0	\$0	6,632	1.26	\$830	\$5,504,560
4'-6"	3'	\$955	0	\$0	15,276	\$14,588,580	154	\$147,070	15,430	2.92	\$955	\$14,735,650
5'	3'-4"	\$1,000	0	\$0	7,522	\$7,522,000	165	\$165,000	7,687	1.46	\$1,000	\$7,687,000
5'-3"	3'-6"	\$1,265	0	\$0	1,488	\$1,882,320	0	\$0	1,488	0.28	\$1,265	\$1,882,320
6'	4'	\$1,455	0	\$0	355	\$516,525	0	\$0	355	0.07	\$1,455	\$516,525
Subtotal			24,927	\$13,729,240	4,682,073	\$1,941,961,720	40,830	\$19,092,345	4,747,830	899		\$1,974,783,305

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Sewer & Stormwater System Valuation													
Brick Circular				Sanitary		Combined		Stormwater		Total		Total	
Exist Size (inches)	Area (Ft^2)	New Size	\$/Ft.	Feet	Repl. Cost	Feet	Repl. Cost	Feet	Repl. Cost	Feet	Miles	\$/Ft.	Total \$
<=18		18	\$350	195	\$68,250	6,906	\$2,417,100	149	\$52,150	7,250	1.37	\$350	\$2,537,500
21		21	\$375	0	\$0	266	\$99,750	4	\$1,500	270	0.05	\$375	\$101,250
24		24	\$415	1,062	\$440,730	5,128	\$2,128,120	295,931	\$122,811,365	302,121	57.22	\$415	\$125,380,215
27		27	\$465	0	\$0	12	\$5,580	7,453	\$3,465,645	7,465	1.41	\$465	\$3,471,225
30		30	\$530	9,433	\$4,999,490	19,397	\$10,280,410	77,006	\$40,813,180	105,836	20.04	\$530	\$56,093,080
33		36	\$630	1,458	\$918,540	2,348	\$1,479,240	6,477	\$4,080,510	10,283	1.95	\$630	\$6,478,290
36		36	\$630	9,062	\$5,709,060	169,302	\$106,660,260	169,264	\$106,636,320	347,628	65.84	\$630	\$219,005,640
39		42	\$715	0	\$0	16,346	\$11,687,390	6,467	\$4,623,905	22,813	4.32	\$715	\$16,311,295
42		42	\$715	5,626	\$4,022,590	109,354	\$78,188,110	28,965	\$20,709,975	143,945	27.26	\$715	\$102,920,675
45		48	\$830	3,974	\$3,298,420	7,357	\$6,106,310	4,671	\$3,876,930	16,002	3.03	\$830	\$13,281,660
48		48	\$830	4,089	\$3,393,870	95,654	\$79,392,820	13,536	\$11,234,880	113,279	21.45	\$830	\$94,021,570
51		54	\$955	0	\$0	12,315	\$11,760,825	1,818	\$1,736,190	14,133	2.68	\$955	\$13,497,015
54		54	\$955	2,777	\$2,652,035	78,493	\$74,960,815	8,577	\$8,191,035	89,847	17.02	\$955	\$85,803,885
57		60	\$1,000	3,025	\$3,025,000	25,549	\$25,549,000	3,207	\$3,207,000	31,781	6.02	\$1,000	\$31,781,000
60		60	\$1,000	6,932	\$6,932,000	66,879	\$66,879,000	3,283	\$3,283,000	77,094	14.60	\$1,000	\$77,094,000
63		66	\$1,265	0	\$0	8,041	\$10,171,865	1,854	\$2,345,310	9,895	1.87	\$1,265	\$12,517,175
66		66	\$1,265	0	\$0	31,473	\$39,813,345	1,272	\$1,609,080	32,745	6.20	\$1,265	\$41,422,425
69		72	\$1,455	0	\$0	5,506	\$8,011,230	0	\$0	5,506	1.04	\$1,455	\$8,011,230
72		72	\$1,455	10,640	\$15,481,200	38,988	\$56,727,540	3,017	\$4,389,735	52,645	9.97	\$1,455	\$76,598,475
75		78	\$1,670	0	\$0	1,668	\$2,785,560	813	\$1,357,710	2,481	0.47	\$1,670	\$4,143,270
78		78	\$1,670	0	\$0	20,058	\$33,496,860	4,158	\$6,943,860	24,216	4.59	\$1,670	\$40,440,720
81		84	\$1,920	0	\$0	519	\$996,480	1,574	\$3,022,080	2,093	0.40	\$1,920	\$4,018,560
84		84	\$1,920	0	\$0	28,486	\$54,693,120	1,108	\$2,127,360	29,594	5.60	\$1,920	\$56,820,480
87		90	\$2,200	0	\$0	1,539	\$3,385,800	1,314	\$2,890,800	2,853	0.54	\$2,200	\$6,276,600
90		90	\$2,200	0	\$0	25,230	\$55,506,000	3,594	\$7,906,800	28,824	5.46	\$2,200	\$63,412,800
93	47.15		\$48.00	0	\$0	4,548	\$10,292,829	2,096	\$4,743,573	6,644	1.26	\$48.00	\$15,036,402
96	50.24		\$48.00	0	\$0	9,271	\$22,357,202	2,661	\$6,417,055	11,932	2.26	\$48.00	\$28,774,257
99	53.43		\$48.00	0	\$0	7,978	\$20,460,339	1,642	\$4,211,065	9,620	1.82	\$48.00	\$24,671,404
102	56.72		\$48.00	0	\$0	27,377	\$74,530,597	4,458	\$12,136,370	31,835	6.03	\$48.00	\$86,666,967
105	60.10		\$48.00	0	\$0	1,671	\$4,820,626	0	\$0	1,671	0.32	\$48.00	\$4,820,626
108	63.59		\$48.00	0	\$0	14,206	\$43,357,848	533	\$1,626,759	14,739	2.79	\$48.00	\$44,984,607
111	67.17		\$48.00	0	\$0	1,444	\$4,655,449	0	\$0	1,444	0.27	\$48.00	\$4,655,449
114	70.85		\$48.00	0	\$0	18,551	\$63,084,902	34	\$115,621	18,585	3.52	\$48.00	\$63,200,523
120	78.50		\$48.00	0	\$0	14,864	\$56,007,552	0	\$0	14,864	2.82	\$48.00	\$56,007,552
126	86.55		\$48.00	0	\$0	7,990	\$33,192,218	0	\$0	7,990	1.51	\$48.00	\$33,192,218
132	94.99		\$48.00	0	\$0	4,824	\$21,993,967	0	\$0	4,824	0.91	\$48.00	\$21,993,967
138	103.82		\$48.00	0	\$0	1,141	\$5,685,808	0	\$0	1,141	0.22	\$48.00	\$5,685,808
141	108.38		\$48.00	0	\$0	1,391	\$7,236,253	0	\$0	1,391	0.26	\$48.00	\$7,236,253
144	113.04		\$48.00	0	\$0	11,682	\$63,385,597	1,456	\$7,900,140	13,138	2.49	\$48.00	\$71,285,737
147	117.80		\$48.00	0	\$0	748	\$4,229,458	82	\$463,657	830	0.16	\$48.00	\$4,693,115
150	122.66		\$48.00	0	\$0	2,070	\$12,187,125	0	\$0	2,070	0.39	\$48.00	\$12,187,125
153	127.61		\$48.00	0	\$0	2,715	\$16,630,339	0	\$0	2,715	0.51	\$48.00	\$16,630,339
156	132.67		\$48.00	0	\$0	7,298	\$46,473,080	2,763	\$17,594,563	10,061	1.91	\$48.00	\$64,067,643
162	143.07		\$48.00	0	\$0	1,283	\$8,810,592	0	\$0	1,283	0.24	\$48.00	\$8,810,592
168	153.86		\$48.00	0	\$0	2,476	\$18,285,953	0	\$0	2,476	0.47	\$48.00	\$18,285,953
174	165.05		\$48.00	0	\$0	1,081	\$8,563,920	0	\$0	1,081	0.20	\$48.00	\$8,563,920
180	176.63		\$48.00	0	\$0	2,006	\$17,006,868	0	\$0	2,006	0.38	\$48.00	\$17,006,868
192	200.96		\$48.00	0	\$0	2,296	\$22,147,400	0	\$0	2,296	0.43	\$48.00	\$22,147,400
207	233.59		\$48.00	0	\$0	899	\$10,079,727	0	\$0	899	0.17	\$48.00	\$10,079,727
Subtotal				58,273	\$50,941,185	926,624	\$1,338,658,179	661,237	\$422,525,122	1,646,134	312		\$1,812,124,486

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Sewer & Stormwater System Valuation

Brick Odd				Sanitary		Combined		Stormwater		Total	Total		
Exist Size (Feet)		Area (Ft^2)	\$/Ft.	Feet	Repl. Cost	Feet	Repl. Cost	Feet	Repl. Cost	Feet	Miles	\$/Ft.	Total \$
2	1	2	\$48.00	0	\$0.00	301	\$28,896.00	0	\$0	301	0.06	\$48.00	\$28,896
2	1.5	3	\$48.00	0	\$0.00	33	\$4,752.00	0	\$0	33	0.01	\$48.00	\$4,752
2.5	1.33	3.325	\$48.00	0	\$0.00	86	\$13,725.60	0	\$0	86	0.02	\$48.00	\$13,726
2.5	3.33	8.325	\$48.00	0	\$0.00	345	\$137,862.00	0	\$0	345	0.07	\$48.00	\$137,862
2.67	2.33	6.2211	\$48.00	0	\$0.00	148	\$44,194.69	0	\$0	148	0.03	\$48.00	\$44,195
2.875	4	11.5	\$48.00	0	\$0.00	481	\$265,512.00	0	\$0	481	0.09	\$48.00	\$265,512
3	2.5	7.5	\$48.00	0	\$0.00	0	\$0.00	796	\$286,560	796	0.15	\$48.00	\$286,560
3	3	9	\$48.00	0	\$0.00	57	\$24,624.00	0	\$0	57	0.01	\$48.00	\$24,624
3.33	2.25	7.4925	\$48.00	0	\$0.00	678	\$243,835.92	0	\$0	678	0.13	\$48.00	\$243,836
3.75	2.5	9.375	\$48.00	0	\$0.00	385	\$173,250.00	0	\$0	385	0.07	\$48.00	\$173,250
4.5	6	27	\$48.00	0	\$0.00	1269	\$1,644,624.00	0	\$0	1269	0.24	\$48.00	\$1,644,624
5.25	5	26.25	\$48.00	0	\$0.00	723	\$910,980.00	0	\$0	723	0.14	\$48.00	\$910,980
6	4.5	27	\$48.00	0	\$0.00	33	\$42,768.00	0	\$0	33	0.01	\$48.00	\$42,768
4.5	5	22.5	\$48.00	0	\$0.00	551	\$595,080.00	0	\$0	551	0.10	\$48.00	\$595,080
5	4	20	\$48.00	0	\$0.00	349	\$335,040.00	7	\$6,720	356	0.07	\$48.00	\$341,760
5.5	7.5	41.25	\$48.00	0	\$0.00	0	\$0.00	273	\$540,540	273	0.05	\$48.00	\$540,540
6	7.5	45	\$48.00	0	\$0.00	0	\$0.00	408	\$881,280	408	0.08	\$48.00	\$881,280
7	12	84	\$48.00	0	\$0.00	0	\$0.00	180	\$725,760	180	0.03	\$48.00	\$725,760
7.25	8	58	\$48.00	0	\$0.00	526	\$1,464,384.00	0	\$0	526	0.10	\$48.00	\$1,464,384
6	6	36	\$48.00	0	\$0.00	36	\$62,208.00	0	\$0	36	0.01	\$48.00	\$62,208
6.5	6.5	42.25	\$48.00	0	\$0.00	12	\$24,336.00	0	\$0	12	0.00	\$48.00	\$24,336
6.5	6.75	43.875	\$48.00	0	\$0.00	466	\$981,396.00	0	\$0	466	0.09	\$48.00	\$981,396
7.25	6.25	45.3125	\$48.00	0	\$0.00	39	\$84,825.00	0	\$0	39	0.01	\$48.00	\$84,825
7.25	7	50.75	\$48.00	0	\$0.00	428	\$1,042,608.00	0	\$0	428	0.08	\$48.00	\$1,042,608
7.5	7.25	54.375	\$48.00	0	\$0.00	501	\$1,307,610.00	0	\$0	501	0.09	\$48.00	\$1,307,610
11.5	7.25	83.375	\$48.00	0	\$0.00	926	\$3,705,852.00	0	\$0	926	0.18	\$48.00	\$3,705,852
12	6	72	\$48.00	0	\$0.00	108	\$373,248.00	0	\$0	108	0.02	\$48.00	\$373,248
12.67	18.5	234.395	\$48.00	0	\$0.00	953	\$10,722,164.88	0	\$0	953	0.18	\$48.00	\$10,722,165
18.25	20	365	\$48.00	0	\$0.00	1,182	\$20,708,640.00	0	\$0	1182	0.22	\$48.00	\$20,708,640
19.5	12	234	\$48.00	0	\$0.00	93	\$1,044,576.00	0	\$0	93	0.02	\$48.00	\$1,044,576
10	10	100	\$48.00	0	\$0.00	0	\$0.00	441	\$2,116,800	441	0.08	\$48.00	\$2,116,800
10	10.25	102.5	\$48.00	0	\$0.00	0	\$0.00	172	\$846,240	172	0.03	\$48.00	\$846,240
14.67	16	234.72	\$48.00	0	\$0.00	0	\$0.00	750	\$8,449,920	750	0.14	\$48.00	\$8,449,920
Subtotal				0	\$0	10,709	\$45,986,992	3,027	\$13,853,820	13,736	3		\$59,840,812

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Sewer & Stormwater System Valuation

Concrete Circular Exist Size (inches)	Area (Ft^2)	New Size	\$/Ft.	Sanitary Feet	Sanitary Repl. Cost	Combined Feet	Combined Repl. Cost	Stormwater Feet	Stormwater Repl. Cost	Total Feet	Total Miles	\$/Ft.	Total \$
<=18		18	\$350	67,444	\$23,605,400	783,236	\$274,132,600	1,016,730	\$355,855,500	1,867,410	353.68	\$350	\$653,593,500
21		21	\$375	3,877	\$1,453,875	393,390	\$147,521,250	398,120	\$149,295,000	795,387	150.64	\$375	\$298,270,125
24		24	\$415	5,062	\$2,100,730	274,812	\$114,046,980	295,978	\$122,830,870	575,852	109.06	\$415	\$238,978,580
27		27	\$465	6,078	\$2,826,270	166,172	\$77,269,980	196,302	\$91,280,430	368,552	69.80	\$465	\$171,376,680
30		30	\$530	27,141	\$14,384,730	141,686	\$75,093,580	147,647	\$78,252,910	316,474	59.94	\$530	\$167,731,220
33		33	\$630	0	\$0	8,656	\$5,453,280	12,103	\$7,624,890	20,759	3.93	\$630	\$13,078,170
36		36	\$630	21,985	\$13,850,550	168,622	\$106,231,860	162,733	\$102,521,790	353,340	66.92	\$630	\$222,604,200
42		42	\$715	28,311	\$20,242,365	95,393	\$68,205,995	117,024	\$83,672,160	240,728	45.59	\$715	\$172,120,520
48		48	\$830	23,570	\$19,563,100	54,550	\$45,276,500	75,667	\$62,803,610	153,787	29.13	\$830	\$127,643,210
54		54	\$955	7,454	\$7,118,570	29,488	\$28,161,040	56,157	\$53,629,935	93,099	17.63	\$955	\$88,909,545
60		60	\$1,000	7,969	\$7,969,000	49,225	\$49,225,000	35,592	\$35,592,000	92,786	17.57	\$1,000	\$92,786,000
63		63	\$1,265	0	\$0	4,502	\$5,695,030	0	\$0	4,502	0.85	\$1,265	\$5,695,030
66		66	\$1,265	0	\$0	40,496	\$51,227,440	27,355	\$34,604,075	67,851	12.85	\$1,265	\$85,831,515
72		72	\$1,455	1,331	\$1,936,605	22,880	\$33,290,400	19,708	\$28,675,140	43,919	8.32	\$1,455	\$63,902,145
78		78	\$1,670	0	\$0	4,544	\$7,588,480	5,540	\$9,251,800	10,084	1.91	\$1,670	\$16,840,280
81		81	\$1,920	0	\$0	1,977	\$3,795,840	0	\$0	1,977	0.37	\$1,920	\$3,795,840
84		84	\$1,920	0	\$0	16,474	\$31,630,080	16,979	\$32,599,680	33,453	6.34	\$1,920	\$64,229,760
90		90	\$2,200	0	\$0	5,374	\$11,822,800	591	\$1,300,200	5,965	1.13	\$2,200	\$13,123,000
96	50.24		\$48.00	0	\$0	11,039	\$26,620,769	2,972	\$7,167,037	14,011	2.65	\$48.00	\$33,787,807
99	53.43		\$48.00	0	\$0	0	\$0	61	\$156,440	61	0.01	\$48.00	\$156,440
102	56.72		\$48.00	0	\$0	23,475	\$63,907,871	1,921	\$5,229,692	25,396	4.81	\$48.00	\$69,137,562
108	63.59		\$48.00	0	\$0	813	\$2,481,341	166	\$506,645	979	0.19	\$48.00	\$2,987,986
114	70.85		\$48.00	0	\$0	4,518	\$15,364,001	0	\$0	4,518	0.86	\$48.00	\$15,364,001
120	78.50		\$48.00	0	\$0	4,687	\$17,660,616	3,611	\$13,606,248	8,298	1.57	\$48.00	\$31,266,864
123	82.47		\$48.00	0	\$0	0	\$0	2,917	\$11,547,688	2,917	0.55	\$48.00	\$11,547,688
126	86.55		\$48.00	0	\$0	11,403	\$47,370,571	1,115	\$4,631,955	12,518	2.37	\$48.00	\$52,002,526
132	94.99		\$48.00	0	\$0	3,483	\$15,879,972	10,400	\$47,416,512	13,883	2.63	\$48.00	\$63,296,484
135	99.35		\$48.00	0	\$0	3,226	\$15,384,391	0	\$0	3,226	0.61	\$48.00	\$15,384,391
144	113.04		\$48.00	0	\$0	1,903	\$10,325,526	2,116	\$11,481,247	4,019	0.76	\$48.00	\$21,806,772
147	117.80		\$48.00	0	\$0	3,908	\$22,097,219	807	\$4,563,064	4,715	0.89	\$48.00	\$26,660,284
150	122.66		\$48.00	0	\$0	9,134	\$53,776,425	3,750	\$22,078,125	12,884	2.44	\$48.00	\$75,854,550
156	132.67		\$48.00	0	\$0	0	\$0	18,490	\$117,742,841	18,490	3.50	\$48.00	\$117,742,841
162	143.07		\$48.00	0	\$0	0	\$0	1,071	\$7,354,750	1,071	0.20	\$48.00	\$7,354,750
168	153.86		\$48.00	0	\$0	8,104	\$59,850,309	0	\$0	8,104	1.53	\$48.00	\$59,850,309
210	240.41		\$48.00	0	\$0	1,217	\$14,043,572	0	\$0	1,217	0.23	\$48.00	\$14,043,572
228	283.39		\$48.00	0	\$0	248	\$3,373,415	0	\$0	248	0.05	\$48.00	\$3,373,415
Unknown		90	\$2,200	0	\$0	0	\$0	0	\$0	0	0.00	\$2,200	\$0
Subtotal				200,222	\$115,051,195	2,348,635	\$1,503,804,132	2,633,623	\$1,503,272,235	5,182,480	982		\$3,122,127,563

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Sewer & Stormwater System Valuation

Concrete Box						Sanitary		Sanitary		Combined		Combined		Stormwater		Stormwater		Total		Total			
Exist Size (inches)			Area (Ft^2)	New Size	\$/Ft.	Feet	Repl. Cost	Feet	Repl. Cost	Feet	Repl. Cost	Feet	Repl. Cost	Feet	Repl. Cost	Feet	Miles	\$/Ft.	Total \$				
	24	38	6.33		\$48.00	0	\$0	152	\$46,208	0	\$0	152	\$46,208	0	\$0	152	0.03	\$48.00	\$46,208				
	24	48	8.00		\$48.00	0	\$0	756	\$290,304	0	\$0	756	\$290,304	0	\$0	756	0.14	\$48.00	\$290,304				
	24	54	9.00		\$48.00	0	\$0	526	\$227,232	0	\$0	526	\$227,232	0	\$0	526	0.10	\$48.00	\$227,232				
	24	45	7.50		\$48.00	0	\$0	0	\$0	234	\$84,240	234	\$84,240	0	\$0	234	0.04	\$48.00	\$84,240				
	30	18	3.75		\$48.00	0	\$0	160	\$28,800	0	\$0	160	\$28,800	0	\$0	160	0.03	\$48.00	\$28,800				
	30	19	3.96		\$48.00	0	\$0	4112	\$781,280	0	\$0	4112	\$781,280	0	\$0	4112	0.78	\$48.00	\$781,280				
	30	22	4.58		\$48.00	0	\$0	38	\$8,360	0	\$0	38	\$8,360	0	\$0	38	0.01	\$48.00	\$8,360				
	30	24	5.00		\$48.00	0	\$0	279	\$66,960	0	\$0	279	\$66,960	0	\$0	279	0.05	\$48.00	\$66,960				
	30	30	6.25		\$48.00	0	\$0	16	\$4,800	0	\$0	16	\$4,800	0	\$0	16	0.00	\$48.00	\$4,800				
	32	24	5.33		\$48.00	0	\$0	92	\$23,552	0	\$0	92	\$23,552	0	\$0	92	0.02	\$48.00	\$23,552				
	33	18	4.13		\$48.00	0	\$0	369	\$73,062	0	\$0	369	\$73,062	0	\$0	369	0.07	\$48.00	\$73,062				
	33	21	4.81		\$48.00	0	\$0	2047	\$472,857	0	\$0	2047	\$472,857	0	\$0	2047	0.39	\$48.00	\$472,857				
	33	36	8.25		\$48.00	0	\$0	60	\$23,760	0	\$0	60	\$23,760	0	\$0	60	0.01	\$48.00	\$23,760				
	34	22	5.19		\$48.00	0	\$0	398	\$99,235	0	\$0	398	\$99,235	0	\$0	398	0.08	\$48.00	\$99,235				
	34	24	5.67		\$48.00	0	\$0	94	\$25,568	0	\$0	94	\$25,568	0	\$0	94	0.02	\$48.00	\$25,568				
	36	18	4.50		\$48.00	0	\$0	538	\$116,208	0	\$0	538	\$116,208	0	\$0	538	0.10	\$48.00	\$116,208				
	36	21	5.25		\$48.00	0	\$0	1500	\$378,000	0	\$0	1500	\$378,000	0	\$0	1500	0.28	\$48.00	\$378,000				
	36	27	6.75		\$48.00	0	\$0	957	\$310,068	0	\$0	957	\$310,068	0	\$0	957	0.18	\$48.00	\$310,068				
	36	30	7.50		\$48.00	0	\$0	421	\$151,560	0	\$0	421	\$151,560	0	\$0	421	0.08	\$48.00	\$151,560				
	36	42	10.50		\$48.00	0	\$0	1242	\$625,968	0	\$0	1242	\$625,968	0	\$0	1242	0.24	\$48.00	\$625,968				
	36	48	12.00		\$48.00	0	\$0	7319	\$4,215,744	0	\$0	7319	\$4,215,744	0	\$0	7319	1.39	\$48.00	\$4,215,744				
	36	72	18.00		\$48.00	0	\$0	214	\$184,896	90	\$77,760	304	\$262,656	90	\$77,760	304	0.06	\$48.00	\$262,656				
	36	96	24.00		\$48.00	0	\$0	21	\$24,192	0	\$0	21	\$24,192	0	\$0	21	0.00	\$48.00	\$24,192				
	36	102	25.50		\$48.00	0	\$0	28	\$34,272	0	\$0	28	\$34,272	0	\$0	28	0.01	\$48.00	\$34,272				
	36	156	39.00		\$48.00	0	\$0	0	\$0	31	\$58,032	31	\$58,032	31	\$58,032	31	0.01	\$48.00	\$58,032				
	38	24	6.33		\$48.00	0	\$0	1286	\$390,944	0	\$0	1286	\$390,944	0	\$0	1286	0.24	\$48.00	\$390,944				
	38	75	19.79		\$48.00	0	\$0	56	\$53,200	0	\$0	56	\$53,200	0	\$0	56	0.01	\$48.00	\$53,200				
	39	26	7.04		\$48.00	0	\$0	1138	\$384,644	0	\$0	1138	\$384,644	0	\$0	1138	0.22	\$48.00	\$384,644				
	39	30	8.13		\$48.00	0	\$0	392	\$152,880	0	\$0	392	\$152,880	0	\$0	392	0.07	\$48.00	\$152,880				
	39	48	13.00		\$48.00	0	\$0	106	\$66,144	0	\$0	106	\$66,144	0	\$0	106	0.02	\$48.00	\$66,144				
	41	62	17.65		\$48.00	0	\$0	51	\$43,214	0	\$0	51	\$43,214	0	\$0	51	0.01	\$48.00	\$43,214				
	42	27	7.88		\$48.00	0	\$0	580	\$219,240	0	\$0	580	\$219,240	0	\$0	580	0.11	\$48.00	\$219,240				
	42	28	8.17		\$48.00	0	\$0	2808	\$1,100,736	691	\$270,872	3499	\$1,371,608	691	\$270,872	3499	0.66	\$48.00	\$1,371,608				
	42	36	10.50		\$48.00	0	\$0	126	\$63,504	31	\$15,624	157	\$79,128	31	\$15,624	157	0.03	\$48.00	\$79,128				
	42	42	12.25		\$48.00	0	\$0	231	\$135,828	235	\$138,180	466	\$274,008	235	\$138,180	466	0.09	\$48.00	\$274,008				
	42	64	18.67		\$48.00	0	\$0	4	\$3,584	0	\$0	4	\$3,584	0	\$0	4	0.00	\$48.00	\$3,584				
	42	66	19.25		\$48.00	0	\$0	0	\$0	214	\$197,736	214	\$197,736	214	\$197,736	214	0.04	\$48.00	\$197,736				
	42	84	24.50		\$48.00	0	\$0	136	\$159,936	0	\$0	136	\$159,936	0	\$0	136	0.03	\$48.00	\$159,936				
	45	24	7.50		\$48.00	0	\$0	418	\$150,480	0	\$0	418	\$150,480	0	\$0	418	0.08	\$48.00	\$150,480				
	45	27	8.44		\$48.00	0	\$0	499	\$202,095	0	\$0	499	\$202,095	0	\$0	499	0.09	\$48.00	\$202,095				
	45	29	9.06		\$48.00	0	\$0	1019	\$443,265	0	\$0	1019	\$443,265	0	\$0	1019	0.19	\$48.00	\$443,265				
	45	30	9.38		\$48.00	0	\$0	331	\$148,950	0	\$0	331	\$148,950	0	\$0	331	0.06	\$48.00	\$148,950				
	45	132	41.25		\$48.00	0	\$0	3	\$5,940	0	\$0	3	\$5,940	0	\$0	3	0.00	\$48.00	\$5,940				
	48	18	6.00		\$48.00	0	\$0	777	\$223,776	0	\$0	777	\$223,776	0	\$0	777	0.15	\$48.00	\$223,776				
	48	30	10.00		\$48.00	0	\$0	1038	\$498,240	0	\$0	1038	\$498,240	0	\$0	1038	0.20	\$48.00	\$498,240				
	48	32	10.67		\$48.00	0	\$0	33	\$16,896	0	\$0	33	\$16,896	0	\$0	33	0.01	\$48.00	\$16,896				
	48	33	11.00		\$48.00	0	\$0	449	\$237,072	0	\$0	449	\$237,072	0	\$0	449	0.09	\$48.00	\$237,072				
	48	36	12.00		\$48.00	0	\$0	2480	\$1,428,480	0	\$0	2480	\$1,428,480	0	\$0	2480	0.47	\$48.00	\$1,428,480				
	48	42	14.00		\$48.00	0	\$0	1028	\$690,816	430	\$288,960	1458	\$979,776	430	\$288,960	1458	0.28	\$48.00	\$979,776				
	48	48	16.00		\$48.00	0	\$0	8791	\$6,751,488	2635	\$2,023,680	11426	\$8,775,168	2635	\$2,023,680	11426	2.16	\$48.00	\$8,775,168				
	48	60	20.00		\$48.00	0	\$0	3068	\$2,945,280	829	\$795,840	3897	\$3,741,120	829	\$795,840	3897	0.74	\$48.00	\$3,741,120				
	48	63	21.00		\$48.00	0	\$0	520	\$524,160	0	\$0	520	\$524,160	0	\$0	520	0.10	\$48.00	\$524,160				
	48	72	24.00		\$48.00	0	\$0	1205	\$1,388,160	1513	\$1,742,976	2718	\$3,131,136	1513	\$1,742,976	2718	0.51	\$48.00	\$3,131,136				
	48	76	25.33		\$48.00	0	\$0	28	\$34,048	14	\$17,024	42	\$51,072	14	\$17,024	42	0.01	\$48.00	\$51,072				
	48	84	28.00		\$48.00	0	\$0	773	\$1,038,912	684	\$919,296	1457	\$1,958,208	684	\$919,296	1457	0.28	\$48.00	\$1,958,208				
	48	90	30.00		\$48.00	834	\$1,200,960	0	\$0	0	\$0	834	\$1,200,960	0	\$0	834	0.16	\$48.00	\$1,200,960				
	48	102	34.00		\$48.00	0	\$0	227	\$370,464	0	\$0	227	\$370,464	0	\$0	227	0.04	\$48.00	\$370,464				
	48	120	40.00		\$48.00	0	\$0	22	\$42,240	0	\$0	22	\$42,240	0	\$0	22	0.00	\$48.00	\$42,240				
	48	132	44.00		\$48.00	0	\$0	0	\$0	227	\$479,424	227	\$479,424	227	\$479,424	227	0.04	\$48.00	\$479,424				

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49	32	10.89	\$48.00	0	\$0	325	\$169,867	0	\$0	325	0.06	\$48.00	\$169,867
49	48	16.33	\$48.00	0	\$0	70	\$54,880	0	\$0	70	0.01	\$48.00	\$54,880
51	36	12.75	\$48.00	0	\$0	1387	\$848,844	0	\$0	1387	0.26	\$48.00	\$848,844
51	42	14.88	\$48.00	0	\$0	298	\$212,772	0	\$0	298	0.06	\$48.00	\$212,772
51	108	38.25	\$48.00	0	\$0	75	\$137,700	0	\$0	75	0.01	\$48.00	\$137,700
53	34	12.51	\$48.00	0	\$0	136	\$81,691	582	\$349,588	718	0.14	\$48.00	\$431,279
53	108	39.75	\$48.00	0	\$0	120	\$228,960	0	\$0	120	0.02	\$48.00	\$228,960
54	27	10.13	\$48.00	0	\$0	51	\$24,786	0	\$0	51	0.01	\$48.00	\$24,786
54	30	11.25	\$48.00	0	\$0	23	\$12,420	0	\$0	23	0.00	\$48.00	\$12,420
54	36	13.50	\$48.00	0	\$0	866	\$561,168	761	\$493,128	1627	0.31	\$48.00	\$1,054,296
54	42	15.75	\$48.00	0	\$0	2719	\$2,055,564	71	\$53,676	2790	0.53	\$48.00	\$2,109,240
54	48	18.00	\$48.00	0	\$0	2568	\$2,218,752	80	\$69,120	2648	0.50	\$48.00	\$2,287,872
54	54	20.25	\$48.00	0	\$0	6749	\$6,560,028	0	\$0	6749	1.28	\$48.00	\$6,560,028
54	60	22.50	\$48.00	0	\$0	1240	\$1,339,200	0	\$0	1240	0.23	\$48.00	\$1,339,200
54	72	27.00	\$48.00	0	\$0	758	\$982,368	73	\$94,608	831	0.16	\$48.00	\$1,076,976
54	84	31.50	\$48.00	0	\$0	268	\$405,216	0	\$0	268	0.05	\$48.00	\$405,216
54	96	36.00	\$48.00	0	\$0	0	\$0	157	\$271,296	157	0.03	\$48.00	\$271,296
54	108	40.50	\$48.00	0	\$0	85	\$165,240	0	\$0	85	0.02	\$48.00	\$165,240
54	114	42.75	\$48.00	0	\$0	416	\$853,632	0	\$0	416	0.08	\$48.00	\$853,632
54	132	49.50	\$48.00	0	\$0	0	\$0	16	\$38,016	16	0.00	\$48.00	\$38,016
57	51	20.19	\$48.00	0	\$0	17	\$16,473	0	\$0	17	0.00	\$48.00	\$16,473
60	36	15.00	\$48.00	0	\$0	802	\$577,440	0	\$0	802	0.15	\$48.00	\$577,440
60	38	15.83	\$48.00	0	\$0	406	\$308,560	0	\$0	406	0.08	\$48.00	\$308,560
60	42	17.50	\$48.00	0	\$0	458	\$384,720	0	\$0	458	0.09	\$48.00	\$384,720
60	48	20.00	\$48.00	150	\$144,000	5223	\$5,014,080	4155	\$3,988,800	9528	1.80	\$48.00	\$9,146,880
60	51	21.25	\$48.00	1113	\$1,135,260	0	\$0	0	\$0	1113	0.21	\$48.00	\$1,135,260
60	54	22.50	\$48.00	0	\$0	1463	\$1,580,040	0	\$0	1463	0.28	\$48.00	\$1,580,040
60	57	23.75	\$48.00	0	\$0	25	\$28,500	0	\$0	25	0.00	\$48.00	\$28,500
60	60	25.00	\$48.00	0	\$0	10407	\$12,488,400	197	\$236,400	10604	2.01	\$48.00	\$12,724,800
60	66	27.50	\$48.00	0	\$0	175	\$231,000	575	\$759,000	750	0.14	\$48.00	\$990,000
60	72	30.00	\$48.00	546	\$786,240	6101	\$8,785,440	1789	\$2,576,160	8436	1.60	\$48.00	\$12,147,840
60	78	32.50	\$48.00	0	\$0	237	\$369,720	0	\$0	237	0.04	\$48.00	\$369,720
60	84	35.00	\$48.00	0	\$0	2943	\$4,944,240	0	\$0	2943	0.56	\$48.00	\$4,944,240
60	90	37.50	\$48.00	0	\$0	429	\$772,200	427	\$768,600	856	0.16	\$48.00	\$1,540,800
60	93	38.75	\$48.00	0	\$0	0	\$0	499	\$928,140	499	0.09	\$48.00	\$928,140
60	96	40.00	\$48.00	0	\$0	1402	\$2,691,840	125	\$240,000	1527	0.29	\$48.00	\$2,931,840
60	102	42.50	\$48.00	0	\$0	386	\$787,440	0	\$0	386	0.07	\$48.00	\$787,440
60	108	45.00	\$48.00	0	\$0	69	\$149,040	1035	\$2,235,600	1104	0.21	\$48.00	\$2,384,640
60	120	50.00	\$48.00	0	\$0	667	\$1,600,800	257	\$616,800	924	0.18	\$48.00	\$2,217,600
60	132	55.00	\$48.00	0	\$0	0	\$0	418	\$1,103,520	418	0.08	\$48.00	\$1,103,520
60	156	65.00	\$48.00	0	\$0	0	\$0	254	\$792,480	254	0.05	\$48.00	\$792,480
63	54	23.63	\$48.00	0	\$0	5389	\$6,111,126	0	\$0	5389	1.02	\$48.00	\$6,111,126
66	54	24.75	\$48.00	0	\$0	2183	\$2,593,404	0	\$0	2183	0.41	\$48.00	\$2,593,404
66	60	27.50	\$48.00	0	\$0	4939	\$6,519,480	615	\$811,800	5554	1.05	\$48.00	\$7,331,280
66	66	30.25	\$48.00	0	\$0	3807	\$5,527,764	140	\$203,280	3947	0.75	\$48.00	\$5,731,044
66	72	33.00	\$48.00	0	\$0	365	\$578,160	0	\$0	365	0.07	\$48.00	\$578,160
66	78	35.75	\$48.00	0	\$0	1671	\$2,867,436	204	\$350,064	1875	0.36	\$48.00	\$3,217,500
66	84	38.50	\$48.00	0	\$0	1484	\$2,742,432	0	\$0	1484	0.28	\$48.00	\$2,742,432
66	90	41.25	\$48.00	0	\$0	909	\$1,799,820	106	\$209,880	1015	0.19	\$48.00	\$2,009,700
66	93	42.63	\$48.00	0	\$0	0	\$0	1666	\$3,408,636	1666	0.32	\$48.00	\$3,408,636
66	96	44.00	\$48.00	0	\$0	2112	\$4,460,544	185	\$390,720	2297	0.44	\$48.00	\$4,851,264
66	108	49.50	\$48.00	0	\$0	1012	\$2,404,512	656	\$1,558,656	1668	0.32	\$48.00	\$3,963,168
66	114	52.25	\$48.00	0	\$0	451	\$1,131,108	902	\$2,262,216	1353	0.26	\$48.00	\$3,393,324
66	120	55.00	\$48.00	0	\$0	536	\$1,415,040	113	\$298,320	649	0.12	\$48.00	\$1,713,360
66	132	60.50	\$48.00	0	\$0	0	\$0	69	\$200,376	69	0.01	\$48.00	\$200,376
66	156	71.50	\$48.00	0	\$0	114	\$391,248	0	\$0	114	0.02	\$48.00	\$391,248
69	42	20.13	\$48.00	0	\$0	841	\$812,406	0	\$0	841	0.16	\$48.00	\$812,406
69	54	25.88	\$48.00	6671	\$8,285,382	0	\$0	0	\$0	6671	1.26	\$48.00	\$8,285,382
69	84	40.25	\$48.00	0	\$0	483	\$933,156	0	\$0	483	0.09	\$48.00	\$933,156
72	48	24.00	\$48.00	0	\$0	949	\$1,093,248	1478	\$1,702,656	2427	0.46	\$48.00	\$2,795,904
72	54	27.00	\$48.00	0	\$0	73	\$94,608	36	\$46,656	109	0.02	\$48.00	\$141,264

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72	60	30.00	\$48.00	11716	\$16,871,040	7715	\$11,109,600	1027	\$1,478,880	20458	3.87	\$48.00	\$29,459,520
72	66	33.00	\$48.00	1583	\$2,507,472	1000	\$1,584,000	663	\$1,050,192	3246	0.61	\$48.00	\$5,141,664
72	69	34.50	\$48.00	0	\$0	2924	\$4,842,144	0	\$0	2924	0.55	\$48.00	\$4,842,144
72	78	39.00	\$48.00	149	\$278,928	7679	\$14,375,088	5377	\$10,065,744	13205	2.50	\$48.00	\$24,719,760
72	84	42.00	\$48.00	0	\$0	7845	\$15,815,520	3237	\$6,525,792	11082	2.10	\$48.00	\$22,341,312
72	90	45.00	\$48.00	0	\$0	3847	\$8,309,520	283	\$611,280	4130	0.78	\$48.00	\$8,920,800
72	96	48.00	\$48.00	0	\$0	5570	\$12,833,280	2902	\$6,686,208	8472	1.60	\$48.00	\$19,519,488
72	102	51.00	\$48.00	0	\$0	1191	\$2,915,568	740	\$1,811,520	1931	0.37	\$48.00	\$4,727,088
72	108	54.00	\$48.00	0	\$0	4509	\$11,687,328	1090	\$2,825,280	5599	1.06	\$48.00	\$14,512,608
72	110	55.00	\$48.00	0	\$0	104	\$274,560	0	\$0	104	0.02	\$48.00	\$274,560
72	114	57.00	\$48.00	0	\$0	0	\$0	4233	\$11,581,488	4233	0.80	\$48.00	\$11,581,488
72	120	60.00	\$48.00	0	\$0	10035	\$28,900,800	3002	\$8,645,760	13037	2.47	\$48.00	\$37,546,560
72	122	61.00	\$48.00	0	\$0	160	\$468,480	0	\$0	160	0.03	\$48.00	\$468,480
72	129	64.50	\$48.00	0	\$0	76	\$235,296	0	\$0	76	0.01	\$48.00	\$235,296
72	132	66.00	\$48.00	0	\$0	691	\$2,189,088	4534	\$14,363,712	5225	0.99	\$48.00	\$16,552,800
72	138	69.00	\$48.00	0	\$0	94	\$311,328	7695	\$25,485,840	7789	1.48	\$48.00	\$25,797,168
72	144	72.00	\$48.00	0	\$0	571	\$1,973,376	1502	\$5,190,912	2073	0.39	\$48.00	\$7,164,288
72	150	75.00	\$48.00	0	\$0	472	\$1,699,200	0	\$0	472	0.09	\$48.00	\$1,699,200
72	156	78.00	\$48.00	0	\$0	556	\$2,081,664	0	\$0	556	0.11	\$48.00	\$2,081,664
72	168	84.00	\$48.00	0	\$0	183	\$737,856	0	\$0	183	0.03	\$48.00	\$737,856
72	174	87.00	\$48.00	0	\$0	250	\$1,044,000	0	\$0	250	0.05	\$48.00	\$1,044,000
78	42	22.75	\$48.00	0	\$0	25	\$27,300	0	\$0	25	0.00	\$48.00	\$27,300
78	54	29.25	\$48.00	0	\$0	125	\$175,500	1222	\$1,715,688	1347	0.26	\$48.00	\$1,891,188
78	60	32.50	\$48.00	0	\$0	781	\$1,218,360	3813	\$5,948,280	4594	0.87	\$48.00	\$7,166,640
78	66	35.75	\$48.00	0	\$0	537	\$921,492	0	\$0	537	0.10	\$48.00	\$921,492
78	72	39.00	\$48.00	0	\$0	910	\$1,703,520	0	\$0	910	0.17	\$48.00	\$1,703,520
78	78	42.25	\$48.00	13704	\$27,791,712	3831	\$7,769,268	0	\$0	17535	3.32	\$48.00	\$35,560,980
78	96	52.00	\$48.00	0	\$0	429	\$1,070,784	222	\$554,112	651	0.12	\$48.00	\$1,624,896
78	102	55.25	\$48.00	0	\$0	616	\$1,633,632	663	\$1,758,276	1279	0.24	\$48.00	\$3,391,908
78	108	58.50	\$48.00	0	\$0	3150	\$8,845,200	0	\$0	3150	0.60	\$48.00	\$8,845,200
78	114	61.75	\$48.00	0	\$0	2345	\$6,950,580	347	\$1,028,508	2692	0.51	\$48.00	\$7,979,088
78	120	65.00	\$48.00	0	\$0	788	\$2,458,560	141	\$439,920	929	0.18	\$48.00	\$2,898,480
78	132	71.50	\$48.00	0	\$0	0	\$0	0	\$0	0	0.00	\$48.00	\$0
78	144	78.00	\$48.00	0	\$0	1818	\$6,806,592	17	\$63,648	1835	0.35	\$48.00	\$6,870,240
78	162	87.75	\$48.00	0	\$0	2462	\$10,369,944	0	\$0	2462	0.47	\$48.00	\$10,369,944
78	186	100.75	\$48.00	0	\$0	0	\$0	462	\$2,234,232	462	0.09	\$48.00	\$2,234,232
81	51	28.69	\$48.00	0	\$0	8612	\$11,858,724	0	\$0	8612	1.63	\$48.00	\$11,858,724
81	63	35.44	\$48.00	0	\$0	8611	\$14,647,311	0	\$0	8611	1.63	\$48.00	\$14,647,311
81	84	47.25	\$48.00	0	\$0	12772	\$28,966,896	0	\$0	12772	2.42	\$48.00	\$28,966,896
81	108	60.75	\$48.00	0	\$0	1493	\$4,353,588	0	\$0	1493	0.28	\$48.00	\$4,353,588
84	54	31.50	\$48.00	0	\$0	146	\$220,752	0	\$0	146	0.03	\$48.00	\$220,752
84	60	35.00	\$48.00	0	\$0	3780	\$6,350,400	203	\$341,040	3983	0.75	\$48.00	\$6,691,440
84	66	38.50	\$48.00	0	\$0	3246	\$5,998,608	2002	\$3,699,696	5248	0.99	\$48.00	\$9,698,304
84	72	42.00	\$48.00	0	\$0	4414	\$8,898,624	4169	\$8,404,704	8583	1.63	\$48.00	\$17,303,328
84	78	45.50	\$48.00	0	\$0	2182	\$4,765,488	250	\$546,000	2432	0.46	\$48.00	\$5,311,488
84	81	47.25	\$48.00	0	\$0	982	\$2,227,176	0	\$0	982	0.19	\$48.00	\$2,227,176
84	84	49.00	\$48.00	0	\$0	4280	\$10,066,560	297	\$698,544	4577	0.87	\$48.00	\$10,765,104
84	90	52.50	\$48.00	0	\$0	2204	\$5,554,080	759	\$1,912,680	2963	0.56	\$48.00	\$7,466,760
84	96	56.00	\$48.00	0	\$0	5672	\$15,246,336	2435	\$6,545,280	8107	1.54	\$48.00	\$21,791,616
84	108	63.00	\$48.00	0	\$0	19190	\$58,030,560	10280	\$31,086,720	29470	5.58	\$48.00	\$89,117,280
84	120	70.00	\$48.00	0	\$0	1039	\$3,491,040	27380	\$91,996,800	28419	5.38	\$48.00	\$95,487,840
84	126	73.50	\$48.00	0	\$0	1835	\$6,473,880	5858	\$20,667,024	7693	1.46	\$48.00	\$27,140,904
84	132	77.00	\$48.00	0	\$0	401	\$1,482,096	100	\$369,600	501	0.09	\$48.00	\$1,851,696
84	138	80.50	\$48.00	0	\$0	0	\$0	26309	\$101,657,976	26309	4.98	\$48.00	\$101,657,976
84	144	84.00	\$48.00	0	\$0	0	\$0	582	\$2,346,624	582	0.11	\$48.00	\$2,346,624
84	156	91.00	\$48.00	0	\$0	0	\$0	232	\$1,013,376	232	0.04	\$48.00	\$1,013,376
87	72	43.50	\$48.00	0	\$0	330	\$689,040	0	\$0	330	0.06	\$48.00	\$689,040
87	84	50.75	\$48.00	0	\$0	841	\$2,048,676	0	\$0	841	0.16	\$48.00	\$2,048,676
87	96	58.00	\$48.00	0	\$0	183	\$509,472	0	\$0	183	0.03	\$48.00	\$509,472
88	112	68.44	\$48.00	0	\$0	33	\$108,416	0	\$0	33	0.01	\$48.00	\$108,416
90	54	33.75	\$48.00	0	\$0	870	\$1,409,400	0	\$0	870	0.16	\$48.00	\$1,409,400

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90	60	37.50	\$48.00	0	\$0	1502	\$2,703,600	0	\$0	1502	0.28	\$48.00	\$2,703,600
90	66	41.25	\$48.00	0	\$0	0	\$0	24	\$47,520	24	0.00	\$48.00	\$47,520
90	72	45.00	\$48.00	0	\$0	3948	\$8,527,680	0	\$0	3948	0.75	\$48.00	\$8,527,680
90	78	48.75	\$48.00	0	\$0	3481	\$8,145,540	931	\$2,178,540	4412	0.84	\$48.00	\$10,324,080
90	84	52.5	\$48.00	0	\$0	457	\$1,151,640	0	\$0	457	0.09	\$48.00	\$1,151,640
90	90	56.25	\$48.00	0	\$0	2113	\$5,705,100	0	\$0	2113	0.40	\$48.00	\$5,705,100
90	96	60	\$48.00	0	\$0	88	\$253,440	63	\$181,440	151	0.03	\$48.00	\$434,880
90	108	67.5	\$48.00	0	\$0	0	\$0	252	\$816,480	252	0.05	\$48.00	\$816,480
90	114	71.25	\$48.00	0	\$0	0	\$0	1077	\$3,683,340	1077	0.20	\$48.00	\$3,683,340
90	150	93.75	\$48.00	0	\$0	497	\$2,236,500	0	\$0	497	0.09	\$48.00	\$2,236,500
90	174	108.75	\$48.00	0	\$0	0	\$0	2273	\$11,865,060	2273	0.43	\$48.00	\$11,865,060
96	60	40.00	\$48.00	0	\$0	1883	\$3,615,360	2692	\$5,168,640	4575	0.87	\$48.00	\$8,784,000
96	66	44.00	\$48.00	0	\$0	514	\$1,085,568	0	\$0	514	0.10	\$48.00	\$1,085,568
96	72	48.00	\$48.00	0	\$0	3522	\$8,114,688	83	\$191,232	3605	0.68	\$48.00	\$8,305,920
96	75	50.00	\$48.00	0	\$0	2623	\$6,295,200	0	\$0	2623	0.50	\$48.00	\$6,295,200
96	81	54.00	\$48.00	0	\$0	217	\$562,464	0	\$0	217	0.04	\$48.00	\$562,464
96	84	56.00	\$48.00	0	\$0	6220	\$16,719,360	285	\$766,080	6505	1.23	\$48.00	\$17,485,440
96	90	60.00	\$48.00	0	\$0	7796	\$22,452,480	0	\$0	7796	1.48	\$48.00	\$22,452,480
96	96	64.00	\$48.00	0	\$0	6667	\$20,481,024	5297	\$16,272,384	11964	2.27	\$48.00	\$36,753,408
96	108	72.00	\$48.00	0	\$0	2981	\$10,302,336	909	\$3,141,504	3890	0.74	\$48.00	\$13,443,840
96	120	80.00	\$48.00	0	\$0	3120	\$11,980,800	98	\$376,320	3218	0.61	\$48.00	\$12,357,120
96	126	84.00	\$48.00	0	\$0	551	\$2,221,632	488	\$1,967,616	1039	0.20	\$48.00	\$4,189,248
96	132	88.00	\$48.00	0	\$0	3479	\$14,695,296	1719	\$7,261,056	5198	0.98	\$48.00	\$21,956,352
96	144	96.00	\$48.00	0	\$0	1979	\$9,119,232	6058	\$27,915,264	8037	1.52	\$48.00	\$37,034,496
96	156	104.00	\$48.00	0	\$0	579	\$2,890,368	0	\$0	579	0.11	\$48.00	\$2,890,368
96	168	112.00	\$48.00	0	\$0	779	\$4,187,904	0	\$0	779	0.15	\$48.00	\$4,187,904
96	180	120.00	\$48.00	0	\$0	266	\$1,532,160	0	\$0	266	0.05	\$48.00	\$1,532,160
102	54	38.25	\$48.00	0	\$0	52	\$95,472	0	\$0	52	0.01	\$48.00	\$95,472
102	60	42.50	\$48.00	0	\$0	0	\$0	778	\$1,587,120	778	0.15	\$48.00	\$1,587,120
102	72	51.00	\$48.00	0	\$0	483	\$1,182,384	0	\$0	483	0.09	\$48.00	\$1,182,384
102	78	55.25	\$48.00	0	\$0	1299	\$3,444,948	0	\$0	1299	0.25	\$48.00	\$3,444,948
102	82	58.08	\$48.00	0	\$0	543	\$1,513,884	0	\$0	543	0.10	\$48.00	\$1,513,884
102	84	59.50	\$48.00	0	\$0	600	\$1,713,600	8	\$22,848	608	0.12	\$48.00	\$1,736,448
102	90	63.75	\$48.00	0	\$0	2615	\$8,001,900	857	\$2,622,420	3472	0.66	\$48.00	\$10,624,320
102	93	65.88	\$48.00	0	\$0	42	\$132,804	0	\$0	42	0.01	\$48.00	\$132,804
102	96	68.00	\$48.00	0	\$0	139	\$453,696	0	\$0	139	0.03	\$48.00	\$453,696
102	102	72.25	\$48.00	0	\$0	707	\$2,451,876	2416	\$8,378,688	3123	0.59	\$48.00	\$10,830,564
102	114	80.75	\$48.00	0	\$0	1066	\$4,131,816	2273	\$8,810,148	3339	0.63	\$48.00	\$12,941,964
102	120	85.00	\$48.00	0	\$0	0	\$0	2163	\$8,825,040	2163	0.41	\$48.00	\$8,825,040
102	132	93.50	\$48.00	0	\$0	231	\$1,036,728	0	\$0	231	0.04	\$48.00	\$1,036,728
102	144	102.00	\$48.00	0	\$0	2280	\$11,162,880	0	\$0	2280	0.43	\$48.00	\$11,162,880
102	168	119.00	\$48.00	0	\$0	0	\$0	484	\$2,764,608	484	0.09	\$48.00	\$2,764,608
102	192	136.00	\$48.00	0	\$0	740	\$4,830,720	0	\$0	740	0.14	\$48.00	\$4,830,720
104	132	95.33	\$48.00	0	\$0	1146	\$5,244,096	0	\$0	1146	0.22	\$48.00	\$5,244,096
108	54	40.50	\$48.00	0	\$0	374	\$727,056	0	\$0	374	0.07	\$48.00	\$727,056
108	72	54.00	\$48.00	0	\$0	2635	\$6,829,920	1595	\$4,134,240	4230	0.80	\$48.00	\$10,964,160
108	84	63.00	\$48.00	0	\$0	2088	\$6,314,112	4273	\$12,921,552	6361	1.20	\$48.00	\$19,235,664
108	90	67.50	\$48.00	0	\$0	0	\$0	249	\$806,760	249	0.05	\$48.00	\$806,760
108	96	72.00	\$48.00	0	\$0	3252	\$11,238,912	565	\$1,952,640	3817	0.72	\$48.00	\$13,191,552
108	108	81.00	\$48.00	0	\$0	1690	\$6,570,720	0	\$0	1690	0.32	\$48.00	\$6,570,720
108	114	85.50	\$48.00	0	\$0	50	\$205,200	0	\$0	50	0.01	\$48.00	\$205,200
108	120	90.00	\$48.00	0	\$0	3038	\$13,124,160	3219	\$13,906,080	6257	1.19	\$48.00	\$27,030,240
108	132	99.00	\$48.00	0	\$0	649	\$3,084,048	2554	\$12,136,608	3203	0.61	\$48.00	\$15,220,656
108	144	108.00	\$48.00	0	\$0	1811	\$9,388,224	0	\$0	1811	0.34	\$48.00	\$9,388,224
108	150	112.50	\$48.00	0	\$0	41	\$221,400	0	\$0	41	0.01	\$48.00	\$221,400
108	186	139.50	\$48.00	0	\$0	383	\$2,564,568	0	\$0	383	0.07	\$48.00	\$2,564,568
114	60	47.50	\$48.00	0	\$0	412	\$939,360	0	\$0	412	0.08	\$48.00	\$939,360
114	81	64.13	\$48.00	0	\$0	478	\$1,471,284	0	\$0	478	0.09	\$48.00	\$1,471,284
114	90	71.25	\$48.00	0	\$0	95	\$324,900	677	\$2,315,340	772	0.15	\$48.00	\$2,640,240
114	96	76.00	\$48.00	0	\$0	1335	\$4,870,080	0	\$0	1335	0.25	\$48.00	\$4,870,080
114	102	80.75	\$48.00	0	\$0	3033	\$11,755,908	204	\$790,704	3237	0.61	\$48.00	\$12,546,612

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114	114	90.25	\$48.00	0	\$0	3197	\$13,849,404	426	\$1,845,432	3623	0.69	\$48.00	\$15,694,836
114	132	104.50	\$48.00	0	\$0	854	\$4,283,664	0	\$0	854	0.16	\$48.00	\$4,283,664
114	138	109.25	\$48.00	0	\$0	711	\$3,728,484	0	\$0	711	0.13	\$48.00	\$3,728,484
120	72	60.00	\$48.00	0	\$0	95	\$273,600	827	\$2,381,760	922	0.17	\$48.00	\$2,655,360
120	84	70.00	\$48.00	0	\$0	1116	\$3,749,760	3858	\$12,962,880	4974	0.94	\$48.00	\$16,712,640
120	90	75.00	\$48.00	0	\$0	188	\$676,800	0	\$0	188	0.04	\$48.00	\$676,800
120	96	80.00	\$48.00	0	\$0	2591	\$9,949,440	0	\$0	2591	0.49	\$48.00	\$9,949,440
120	102	85.00	\$48.00	0	\$0	146	\$595,680	0	\$0	146	0.03	\$48.00	\$595,680
120	108	90.00	\$48.00	0	\$0	3107	\$13,422,240	1052	\$4,544,640	4159	0.79	\$48.00	\$17,966,880
120	114	95.00	\$48.00	0	\$0	3782	\$17,245,920	0	\$0	3782	0.72	\$48.00	\$17,245,920
120	120	100.00	\$48.00	0	\$0	602	\$2,889,600	123	\$590,400	725	0.14	\$48.00	\$3,480,000
120	150	125.00	\$48.00	0	\$0	184	\$1,104,000	0	\$0	184	0.03	\$48.00	\$1,104,000
123	120	102.50	\$48.00	0	\$0	3992	\$19,640,640	0	\$0	3992	0.76	\$48.00	\$19,640,640
123	123	105.06	\$48.00	0	\$0	0	\$0	147	\$741,321	147	0.03	\$48.00	\$741,321
126	84	73.50	\$48.00	0	\$0	1307	\$4,611,096	517	\$1,823,976	1824	0.35	\$48.00	\$6,435,072
126	96	84.00	\$48.00	0	\$0	3661	\$14,761,152	0	\$0	3661	0.69	\$48.00	\$14,761,152
126	102	89.25	\$48.00	0	\$0	0	\$0	483	\$2,069,172	483	0.09	\$48.00	\$2,069,172
126	108	94.50	\$48.00	0	\$0	1349	\$6,119,064	0	\$0	1349	0.26	\$48.00	\$6,119,064
126	114	99.75	\$48.00	0	\$0	297	\$1,422,036	0	\$0	297	0.06	\$48.00	\$1,422,036
126	120	105.00	\$48.00	0	\$0	114	\$574,560	0	\$0	114	0.02	\$48.00	\$574,560
126	126	110.25	\$48.00	0	\$0	34	\$179,928	0	\$0	34	0.01	\$48.00	\$179,928
126	167	146.13	\$48.00	0	\$0	0	\$0	35	\$245,490	35	0.01	\$48.00	\$245,490
126	192	168.00	\$48.00	0	\$0	1203	\$9,700,992	0	\$0	1203	0.23	\$48.00	\$9,700,992
126	198	173.25	\$48.00	0	\$0	461	\$3,833,676	0	\$0	461	0.09	\$48.00	\$3,833,676
128	102	90.67	\$48.00	0	\$0	317	\$1,379,584	0	\$0	317	0.06	\$48.00	\$1,379,584
129	129	115.56	\$48.00	0	\$0	87	\$482,589	0	\$0	87	0.02	\$48.00	\$482,589
132	72	66.00	\$48.00	0	\$0	0	\$0	68	\$215,424	68	0.01	\$48.00	\$215,424
132	78	71.50	\$48.00	0	\$0	0	\$0	512	\$1,757,184	512	0.10	\$48.00	\$1,757,184
132	108	99.00	\$48.00	0	\$0	2383	\$11,324,016	864	\$4,105,728	3247	0.61	\$48.00	\$15,429,744
132	114	104.50	\$48.00	0	\$0	582	\$2,919,312	0	\$0	582	0.11	\$48.00	\$2,919,312
132	120	110.00	\$48.00	0	\$0	320	\$1,689,600	24	\$126,720	344	0.07	\$48.00	\$1,816,320
132	132	121.00	\$48.00	0	\$0	510	\$2,962,080	0	\$0	510	0.10	\$48.00	\$2,962,080
132	150	137.50	\$48.00	0	\$0	960	\$6,336,000	0	\$0	960	0.18	\$48.00	\$6,336,000
132	168	154.00	\$48.00	0	\$0	0	\$0	76	\$561,792	76	0.01	\$48.00	\$561,792
132	192	176.00	\$48.00	0	\$0	364	\$3,075,072	0	\$0	364	0.07	\$48.00	\$3,075,072
135	120	112.50	\$48.00	0	\$0	2003	\$10,816,200	0	\$0	2003	0.38	\$48.00	\$10,816,200
138	78	74.75	\$48.00	0	\$0	0	\$0	121	\$434,148	121	0.02	\$48.00	\$434,148
138	96	92.00	\$48.00	0	\$0	222	\$980,352	0	\$0	222	0.04	\$48.00	\$980,352
138	102	97.75	\$48.00	0	\$0	492	\$2,308,464	0	\$0	492	0.09	\$48.00	\$2,308,464
138	108	103.50	\$48.00	0	\$0	685	\$3,403,080	0	\$0	685	0.13	\$48.00	\$3,403,080
138	126	120.75	\$48.00	0	\$0	2020	\$11,707,920	0	\$0	2020	0.38	\$48.00	\$11,707,920
138	132	126.50	\$48.00	0	\$0	713	\$4,329,336	0	\$0	713	0.14	\$48.00	\$4,329,336
138	138	132.25	\$48.00	0	\$0	275	\$1,745,700	0	\$0	275	0.05	\$48.00	\$1,745,700
144	72	72.00	\$48.00	0	\$0	0	\$0	2579	\$8,913,024	2579	0.49	\$48.00	\$8,913,024
144	84	84.00	\$48.00	0	\$0	2820	\$11,370,240	0	\$0	2820	0.53	\$48.00	\$11,370,240
144	96	96.00	\$48.00	0	\$0	2656	\$12,238,848	0	\$0	2656	0.50	\$48.00	\$12,238,848
144	120	120.00	\$48.00	0	\$0	430	\$2,476,800	28	\$161,280	458	0.09	\$48.00	\$2,638,080
144	132	132.00	\$48.00	0	\$0	1117	\$7,077,312	0	\$0	1117	0.21	\$48.00	\$7,077,312
144	138	138.00	\$48.00	0	\$0	51	\$337,824	118	\$781,632	169	0.03	\$48.00	\$1,119,456
144	144	144.00	\$48.00	0	\$0	665	\$4,596,480	2916	\$20,155,392	3581	0.68	\$48.00	\$24,751,872
144	252	252.00	\$48.00	0	\$0	2373	\$28,703,808	0	\$0	2373	0.45	\$48.00	\$28,703,808
150	78	81.25	\$48.00	0	\$0	5150	\$20,085,000	0	\$0	5150	0.98	\$48.00	\$20,085,000
150	96	100.00	\$48.00	0	\$0	0	\$0	2314	\$11,107,200	2314	0.44	\$48.00	\$11,107,200
150	138	143.75	\$48.00	0	\$0	1454	\$10,032,600	0	\$0	1454	0.28	\$48.00	\$10,032,600
150	150	156.25	\$48.00	0	\$0	510	\$3,825,000	0	\$0	510	0.10	\$48.00	\$3,825,000
150	168	175.00	\$48.00	0	\$0	42	\$352,800	0	\$0	42	0.01	\$48.00	\$352,800
156	108	117.00	\$48.00	0	\$0	310	\$1,740,960	0	\$0	310	0.06	\$48.00	\$1,740,960
156	132	143.00	\$48.00	0	\$0	1935	\$13,281,840	0	\$0	1935	0.37	\$48.00	\$13,281,840
156	156	169.00	\$48.00	0	\$0	3454	\$28,018,848	0	\$0	3454	0.65	\$48.00	\$28,018,848
168	114	133.00	\$48.00	0	\$0	4828	\$30,821,952	0	\$0	4828	0.91	\$48.00	\$30,821,952
168	144	168.00	\$48.00	0	\$0	213	\$1,717,632	0	\$0	213	0.04	\$48.00	\$1,717,632

October 19, 2011

Sewer & Stormwater System Valuation

168	156	182.00		\$48.00	0	\$0	1620	\$14,152,320	0	\$0	1620	0.31	\$48.00	\$14,152,320
168	168	196.00		\$48.00	0	\$0	475	\$4,468,800	0	\$0	475	0.09	\$48.00	\$4,468,800
180	66	82.50		\$48.00	0	\$0	533	\$2,110,680	0	\$0	533	0.10	\$48.00	\$2,110,680
180	180	225.00		\$48.00	0	\$0	1039	\$11,221,200	0	\$0	1039	0.20	\$48.00	\$11,221,200
180	204	255.00		\$48.00	0	\$0	669	\$8,188,560	0	\$0	669	0.13	\$48.00	\$8,188,560
180	240	300.00		\$48.00	0	\$0	3456	\$49,766,400	0	\$0	3456	0.65	\$48.00	\$49,766,400
192	102	136.00		\$48.00	0	\$0	25	\$163,200	0	\$0	25	0.00	\$48.00	\$163,200
192	168	224.00		\$48.00	0	\$0	308	\$3,311,616	0	\$0	308	0.06	\$48.00	\$3,311,616
192	216	288.00		\$48.00	0	\$0	556	\$7,686,144	0	\$0	556	0.11	\$48.00	\$7,686,144
196	126	171.50		\$48.00	0	\$0	76	\$625,632	0	\$0	76	0.01	\$48.00	\$625,632
204	180	255.00		\$48.00	0	\$0	816	\$9,987,840	0	\$0	816	0.15	\$48.00	\$9,987,840
204	192	272.00		\$48.00	0	\$0	2672	\$34,885,632	0	\$0	2672	0.51	\$48.00	\$34,885,632
204	216	306.00		\$48.00	0	\$0	4826	\$70,884,288	0	\$0	4826	0.91	\$48.00	\$70,884,288
210	90	131.25		\$48.00	0	\$0	32	\$201,600	0	\$0	32	0.01	\$48.00	\$201,600
216	144	216.00		\$48.00	0	\$0	100	\$1,036,800	0	\$0	100	0.02	\$48.00	\$1,036,800
216	192	288.00		\$48.00	0	\$0	1364	\$18,855,936	0	\$0	1364	0.26	\$48.00	\$18,855,936
219	240	365.00		\$48.00	0	\$0	3	\$52,560	0	\$0	3	0.00	\$48.00	\$52,560
240	180	300.00		\$48.00	0	\$0	124	\$1,785,600	0	\$0	124	0.02	\$48.00	\$1,785,600
252	216	378.00		\$48.00	0	\$0	2060	\$37,376,640	0	\$0	2060	0.39	\$48.00	\$37,376,640
258	156	279.50		\$48.00	0	\$0	1845	\$24,752,520	0	\$0	1845	0.35	\$48.00	\$24,752,520
264	156	286.00		\$48.00	0	\$0	1647	\$22,610,016	0	\$0	1647	0.31	\$48.00	\$22,610,016
264	228	418.00		\$48.00	0	\$0	830	\$16,653,120	0	\$0	830	0.16	\$48.00	\$16,653,120
288	252	504.00		\$48.00	0	\$0	4406	\$106,589,952	131	\$3,169,152	4537	0.86	\$48.00	\$109,759,104
296	288	592.00		\$48.00	0	\$0	182	\$5,171,712	0	\$0	182	0.03	\$48.00	\$5,171,712
150	150	156.25	unknown	\$48.00	448	\$3,360,000	15960	\$119,700,000	7862	\$58,965,000	24270	4.60	\$48.00	\$182,025,000
Subtotal					36,914	\$62,360,994	487,174	\$1,730,975,346	219,172	\$716,985,191	743,260	141		\$2,510,321,531
Grand Total					3,968,762	1,221,346,504	9,353,007	6,867,980,650	3,739,739	2,738,528,553				10,827,855,707

Sanitary + Storm Sewer Costs	3,959,875,057	30.84% Sanitary
Same Trench Storm Discount ¹	\$610,673,252	
Modified Storm Cost	\$2,127,855,301	
Modified San + Storm Cost	\$3,349,201,805	36.47% Sanitary

Note: ¹Reflects estimated reduction in costs for storm sewers installed within the same trench as sanitary system.
Storm sewer is placed in same trench above sanitary based on depth and separation requirements for the santiary