The systems costs included on the following pages are intended for budget estimating. They are costs of systems in-place including material and labor, excluding general contractor overhead and fee. Pricing based on Seattle, Washington market and Prevailing Wages. Systems costs are based on a typical installation for on-site work involving new construction. On-site difficulties and uncontrollable variables will add to costs.

1)	Up to 900 SF	\$23.50	/SF
2)	900-1300 SF	\$26.75	/SF
3)	1300-2000 SF	\$29.00	/SF
	BUILDINGS, RAISING		
l)	Up to 2000 SF bldg, up to 8 FT high	\$0.65	/CF
	DEMOLITION		
	ASPHALT SAWCUTTING Minimum Charge: \$375		
)	1" Thick	\$0.53	/LF
2)	2" Thick	\$1.21	/LF
3)	4" Thick	\$1.73	/LF
l)	6" Thick	\$2.10	/LF
	CONCRETE SLAB SAWCUTTING GAS Minimum Charge: \$375		
)	1" Thick	\$0.53	/LF
2)	2" Thick	\$1.21	/LF
3)	3" Thick	\$1.73	/LF
1)	4" Thick	\$2.10	/LF
	CONCRETE SLAB SAWING ELECTRIC Minimum Charge: \$495		
-	1" Thick	\$1.31	/LF
-		\$1.31 \$2.36	• • • • • • •
2)	1" Thick	· · · · · · · • · · · · · · · · · · · ·	/LF
2) 3)	1" Thick 2" Thick	\$2.36	/LF /LF
2) 3)	1" Thick 2" Thick 4" Thick	\$2.36 \$4.73	/LF /LF
?) 3) 4)	1" Thick 2" Thick 4" Thick 6" Thick	\$2.36 \$4.73	/LF /LF
) 3) 4)	1" Thick 2" Thick 4" Thick 6" Thick CONCRETE WALL SAWCUTTING Minimum Charge: \$600	\$2.36 \$4.73 \$7.09	/LF /LF /LF
2) 3) 4)	1" Thick 2" Thick 4" Thick 6" Thick CONCRETE WALL SAWCUTTING Minimum Charge: \$600 4" Thick	\$2.36 \$4.73 \$7.09 \$13.13	/LF /LF /LF /LF
) 3) 4) () () () () () () () () () () () () ()	1" Thick 2" Thick 4" Thick 6" Thick CONCRETE WALL SAWCUTTING Minimum Charge: \$600 4" Thick 6" Thick	\$2.36 \$4.73 \$7.09 \$13.13 \$18.90	/LF /LF /LF /LF
2) 3) 1) 1) 2) 3)	1" Thick 2" Thick 4" Thick 6" Thick CONCRETE WALL SAWCUTTING Minimum Charge: \$600 4" Thick 6" Thick 8" Thick	\$2.36 \$4.73 \$7.09 \$13.13 \$18.90 \$24.68	/LF /LF /LF /LF /LF
2) 3) 1) 1) 2) 3)	1" Thick 2" Thick 4" Thick 6" Thick CONCRETE WALL SAWCUTTING Minimum Charge: \$600 4" Thick 6" Thick 8" Thick 10" Thick	\$2.36 \$4.73 \$7.09 \$13.13 \$18.90 \$24.68 \$30.45	/LF /LF /LF /LF /LF
2) 3) 4) (2) (3) (4) (5)	1" Thick 2" Thick 4" Thick 6" Thick CONCRETE WALL SAWCUTTING Minimum Charge: \$600 4" Thick 6" Thick 8" Thick 10" Thick 12" Thick	\$2.36 \$4.73 \$7.09 \$13.13 \$18.90 \$24.68 \$30.45	/LF /LF /LF /LF /LF /LF
2) 3) 1) 1) 2) 3) 1)	1" Thick 2" Thick 4" Thick 6" Thick CONCRETE WALL SAWCUTTING Minimum Charge: \$600 4" Thick 6" Thick 8" Thick 10" Thick 12" Thick CMU BLOCK WALL SAWCUTTING Minimum Charge: \$600	\$2.36 \$4.73 \$7.09 \$13.13 \$18.90 \$24.68 \$30.45 \$36.23	/LF /LF /LF /LF /LF /LF
2) 3) 1) 1) 2) 3) 1) 5)	1" Thick 2" Thick 4" Thick 6" Thick CONCRETE WALL SAWCUTTING Minimum Charge: \$600 4" Thick 6" Thick 8" Thick 10" Thick 12" Thick CMU BLOCK WALL SAWCUTTING Minimum Charge: \$600 4" Thick	\$2.36 \$4.73 \$7.09 \$13.13 \$18.90 \$24.68 \$30.45 \$36.23	/LF /LF /LF /LF /LF /LF /LF

	CONCRETE DEMOLITION Minimum 100 SF Exterior (\$800 minimum)	
1)	4" Concrete Slab	\$6.04 /SF
2)	8" Concrete Wall	\$9.98 /SF
4.	ASPHALT DEMOLITION Minimum 200 SF (\$800 minimum)	44.40.405
1)	2-4"	\$4.46 /SF
	DUMP FEES, CONCRETE & ASPHALT See Materials Section Page 2-1	for Pricing
	WATER SYSTEMS Includes Native Backfill	
	2" PVC	\$12.13 /LF
,	4" PVC	\$47.96 /LF
3)	6" Ductile Iron Pipe	\$66.15 /LF
4)	8" Ductile Iron Pipe	\$80.85 /LF
5)	Standard Hydrant Assembly	\$7455.00 /EA
6)	Hydrant Assembly with Storz Adaptor	
7)	6" Wet Tap	\$7350.00 /EA
	6" Tee	\$740.25 /EA
,	6" Bend	\$651.00 /EA
0)	8" Wet Tap	\$8715.00 /EA
1)	8" Tee	\$980.70 /EA
2)	8" Bend	\$756.00 /EA
4)	STORM SEWER SYSTEMS Pipe depth is based on a typical installation for on-site work involving new backfill.	
1\	Pipe depth is based on a typical installation for on-site work involving new backfill.	
	Pipe depth is based on a typical installation for on-site work involving new backfill. 8" CMP Corrugated Metal Pipe	\$48.89 /LF
2)	Pipe depth is based on a typical installation for on-site work involving new backfill. 8" CMP Corrugated Metal Pipe 12" CMP	\$48.89 /LF \$70.28 /LF
2) 3)	Pipe depth is based on a typical installation for on-site work involving new backfill. 8" CMP Corrugated Metal Pipe 12" CMP 15" CMP	\$48.89 /LF \$70.28 /LF \$86.57 /LF
2) 3) 4)	Pipe depth is based on a typical installation for on-site work involving new backfill. 8" CMP Corrugated Metal Pipe 12" CMP 15" CMP 18" CMP	\$48.89 /LF \$70.28 /LF \$86.57 /LF \$100.83 /LF
2) 3) 4) 5)	Pipe depth is based on a typical installation for on-site work involving new backfill. 8" CMP Corrugated Metal Pipe 12" CMP 15" CMP 18" CMP 24" CMP	\$48.89 /LF \$70.28 /LF \$86.57 /LF \$100.83 /LF \$125.28 /LF
2) 3) 4) 5)	Pipe depth is based on a typical installation for on-site work involving new backfill. 8" CMP Corrugated Metal Pipe 12" CMP 15" CMP 18" CMP 24" CMP 30" CMP	\$48.89 /LF \$70.28 /LF \$86.57 /LF \$100.83 /LF \$125.28 /LF \$137.50 /LF
2) 3) 4) 5) 6) 7)	Pipe depth is based on a typical installation for on-site work involving new backfill. 8" CMP Corrugated Metal Pipe 12" CMP 15" CMP 18" CMP 24" CMP	\$48.89 /LF \$70.28 /LF \$86.57 /LF \$100.83 /LF \$125.28 /LF \$137.50 /LF \$167.03 /LF
2) 3) 4) 5) 6) 7)	Pipe depth is based on a typical installation for on-site work involving new backfill. 8" CMP Corrugated Metal Pipe 12" CMP 15" CMP 18" CMP 24" CMP 30" CMP 30" CMP	\$48.89 /LF \$70.28 /LF \$86.57 /LF \$100.83 /LF \$125.28 /LF \$137.50 /LF \$167.03 /LF \$240.37 /LF
2) 3) 4) 5) 6) 7) 8)	Pipe depth is based on a typical installation for on-site work involving new backfill. 8" CMP Corrugated Metal Pipe 12" CMP 15" CMP 18" CMP 24" CMP 30" CMP 36" CMP	\$48.89 /LF \$70.28 /LF \$86.57 /LF \$100.83 /LF \$125.28 /LF \$137.50 /LF \$167.03 /LF \$240.37 /LF \$282.12 /LF
2) 3) 4) 5) 6) 7) 8) 9) 0)	Pipe depth is based on a typical installation for on-site work involving new backfill. 8" CMP Corrugated Metal Pipe 12" CMP 15" CMP 18" CMP 24" CMP 30" CMP 36" CMP 48" CMP 54" CMP	\$48.89 /LF \$70.28 /LF \$86.57 /LF \$100.83 /LF \$125.28 /LF \$137.50 /LF \$167.03 /LF \$240.37 /LF \$282.12 /LF \$316.75 /LF
2) 3) 4) 5) 6) 7) 8) 9) 0)	Pipe depth is based on a typical installation for on-site work involving new backfill. 8" CMP Corrugated Metal Pipe 12" CMP 15" CMP 18" CMP 24" CMP 30" CMP 36" CMP 48" CMP 54" CMP 54" CMP 8" ADS N-12	\$48.89 /LF \$70.28 /LF \$86.57 /LF \$100.83 /LF \$125.28 /LF \$137.50 /LF \$167.03 /LF \$240.37 /LF \$282.12 /LF \$316.75 /LF
2) 3) 4) 5) 6) 7) 8) 9) 0) 1) 2)	Pipe depth is based on a typical installation for on-site work involving new backfill. 8" CMP Corrugated Metal Pipe 12" CMP 15" CMP 18" CMP 24" CMP 30" CMP 36" CMP 48" CMP 54" CMP	\$48.89 /LF \$70.28 /LF \$86.57 /LF \$100.83 /LF \$125.28 /LF \$137.50 /LF \$167.03 /LF \$240.37 /LF \$240.37 /LF \$282.12 /LF \$316.75 /LF \$37.18 /LF
2) 3) 4) 5) 6) 7) 8) 9) 0) 1) 2) 3)	Pipe depth is based on a typical installation for on-site work involving new backfill. 8" CMP Corrugated Metal Pipe 12" CMP 15" CMP 18" CMP 24" CMP 30" CMP 36" CMP 48" CMP 48" CMP 54" CMP 54" CMP 54" CMP 54" CMP	\$48.89 /LF \$70.28 /LF \$86.57 /LF \$100.83 /LF \$125.28 /LF \$137.50 /LF \$167.03 /LF \$240.37 /LF \$282.12 /LF \$316.75 /LF \$37.18 /LF \$47.87 /LF
2) 3) 4) 5) 6) 7) 8) 9) 0) 1) 2) 3) 4)	Pipe depth is based on a typical installation for on-site work involving new backfill. 8" CMP Corrugated Metal Pipe 12" CMP 15" CMP 18" CMP 24" CMP 30" CMP 36" CMP 48" CMP 54" CMP 60" CMP 8" ADS N-12 12" ADS N-12 12" ADS N-12	\$48.89 /LF \$70.28 /LF \$86.57 /LF \$100.83 /LF \$125.28 /LF \$137.50 /LF \$167.03 /LF \$240.37 /LF \$240.37 /LF \$316.75 /LF \$37.18 /LF \$47.87 /LF \$77.41 /LF
2) 3) 4) 5) 6) 7) 8) 9) 1) 2) 3) 4) 5)	Pipe depth is based on a typical installation for on-site work involving new backfill. 8" CMP Corrugated Metal Pipe 12" CMP 15" CMP 18" CMP 24" CMP 30" CMP 36" CMP 48" CMP 54" CMP 54" CMP 54" CMP 54" CMP 54" CMP 8" ADS N-12 12" ADS N-12 12" ADS N-12 Catch Basin Type I	\$48.89 /LF \$70.28 /LF \$86.57 /LF \$100.83 /LF \$125.28 /LF \$137.50 /LF \$167.03 /LF \$240.37 /LF \$240.37 /LF \$316.75 /LF \$37.18 /LF \$47.87 /LF \$101.85 /LF
2) 3) 4) 5) 6) 7) 8) 9) 1) 2) 4) 5) 6)	Pipe depth is based on a typical installation for on-site work involving new backfill. 8" CMP Corrugated Metal Pipe 12" CMP 15" CMP 18" CMP 24" CMP 30" CMP 36" CMP 48" CMP 54" CMP 60" CMP 8" ADS N-12 12" ADS N-12 12" ADS N-12 Catch Basin Type I Catch Basin Type II, 48" DIA	\$48.89 /LF \$70.28 /LF \$86.57 /LF \$100.83 /LF \$125.28 /LF \$137.50 /LF \$167.03 /LF \$240.37 /LF \$240.37 /LF \$316.75 /LF \$37.18 /LF \$47.87 /LF \$77.41 /LF \$101.85 /LF \$2215.24 /EA
2) 3) 4) 5) 6) 7) 8) 9) 1) 2) 4) 5) 6) 7)	Pipe depth is based on a typical installation for on-site work involving new backfill. 8" CMP Corrugated Metal Pipe 12" CMP 15" CMP 18" CMP 24" CMP 30" CMP 36" CMP 48" CMP 54" CMP 54" CMP 54" CMP 60" CMP 8" ADS N-12 12" ADS N-12 12" ADS N-12 Catch Basin Type I Catch Basin Type II, 54" DIA Catch Basin Type III, 54" DIA Catch Basin Type III, 54" DIA Catch Basin Type III, 54" DIA	\$48.89 /LF \$70.28 /LF \$86.57 /LF \$100.83 /LF \$125.28 /LF \$137.50 /LF \$167.03 /LF \$240.37 /LF \$240.37 /LF \$316.75 /LF \$37.18 /LF \$47.87 /LF \$77.41 /LF \$101.85 /LF \$2215.24 /EA \$4674.92 /EA
2) 3) 4) 5) 6) 7) 8) 9) 0) 1) 2) 4) 5) 6) 7) 8)	Pipe depth is based on a typical installation for on-site work involving new backfill. 8" CMP Corrugated Metal Pipe 12" CMP 15" CMP 18" CMP 24" CMP 30" CMP 36" CMP 48" CMP 54" CMP 54" CMP 54" CMP 54" CMP 54" CMP CORP 8" ADS N-12 12" ADS N-12 12" ADS N-12 12" ADS N-12 Catch Basin Type II, 48" DIA Catch Basin Type II, 54" DIA	\$48.89 /LF \$70.28 /LF \$86.57 /LF \$100.83 /LF \$125.28 /LF \$137.50 /LF \$167.03 /LF \$240.37 /LF \$240.37 /LF \$282.12 /LF \$316.75 /LF \$37.18 /LF \$47.87 /LF \$47.87 /LF \$77.41 /LF \$101.85 /LF \$2215.24 /EA \$4674.92 /EA \$5550.83 /EA
2) 3) 4) 5) 6) 7) 8) 9) 0) 1) 2) 3) 4) 5) 6) 7) 8) 9) 9) 9) 9) 9) 9) 9) 9) 9) 9) 9) 9) 9)	Pipe depth is based on a typical installation for on-site work involving new backfill. 8" CMP Corrugated Metal Pipe 12" CMP 15" CMP 18" CMP 24" CMP 30" CMP 36" CMP 36" CMP 48" CMP 54" CMP 60" CMP 8" ADS N-12 12" ADS N-12 12" ADS N-12 12" ADS N-12 Catch Basin Type I, 48" DIA Catch Basin Type II, 54" DIA Catch Basin Type II, 60" DIA	\$48.89 /LF \$70.28 /LF \$86.57 /LF \$100.83 /LF \$125.28 /LF \$137.50 /LF \$167.03 /LF \$240.37 /LF \$240.37 /LF \$316.75 /LF \$37.18 /LF \$37.18 /LF \$47.87 /LF \$101.85 /LF \$101.85 /LF \$2215.24 /EA \$4674.92 /EA \$5550.83 /EA
2) 3) 4) 5) 6) 7) 8) 9) 0) 1) 2) 3) 4) 5) 6) 7) 8) 9) 0) 7) 8) 9) 0) 1) 10 10 10 10 10 10 10 10 10 10 10 10 10	Pipe depth is based on a typical installation for on-site work involving new backfill. 8" CMP Corrugated Metal Pipe 12" CMP 15" CMP 18" CMP 24" CMP 30" CMP 36" CMP 36" CMP 48" CMP 54" CMP 60" CMP 8" ADS N-12 12" ADS N-12 12" ADS N-12 12" ADS N-12 Catch Basin Type I, 48" DIA Catch Basin Type II, 54" DIA Catch Basin Type II, 54" DIA Catch Basin Type II, 60" DIA Catch Basin Type II, 72" DIA	\$48.89 /LF \$70.28 /LF \$86.57 /LF \$100.83 /LF \$125.28 /LF \$137.50 /LF \$167.03 /LF \$240.37 /LF \$240.37 /LF \$316.75 /LF \$37.18 /LF \$37.18 /LF \$47.87 /LF \$101.85 /LF \$1215.24 /EA \$4674.92 /EA \$5550.83 /EA \$6992.00 /EA \$7893.38 /EA
2) 3) 4) 5) 6) 7) 8) 9) 0) 1) 2) 3) 4) 5) 6) 7) 8) 9) 1) 1) 1) 1) 1) 1) 1) 1) 1) 1) 1) 1) 1)	Pipe depth is based on a typical installation for on-site work involving new backfill. 8" CMP Corrugated Metal Pipe 12" CMP 15" CMP 18" CMP 24" CMP 30" CMP 36" CMP 48" CMP 48" CMP 54" CMP 60" CMP 8" ADS N-12 12" ADS N-12 12" ADS N-12 12" ADS N-11 Catch Basin Type II, 48" DIA Catch Basin Type II, 54" DIA w/restrictor Catch Basin Type II, 54" DIA w/restrictor Catch Basin Type II, 54" DIA Catch Basin Type II, 60" DIA Catch Basin Type II, 72" DIA Yard Drain	\$48.89 /LF \$70.28 /LF \$86.57 /LF \$100.83 /LF \$125.28 /LF \$137.50 /LF \$167.03 /LF \$167.03 /LF \$240.37 /LF \$282.12 /LF \$316.75 /LF \$37.18 /LF \$37.18 /LF \$47.87 /LF \$101.85 /LF \$101.85 /LF \$2215.24 /EA \$4674.92 /EA \$5550.83 /EA \$6992.00 /EA \$7893.38 /EA \$9441.50 /EA
2) 3) 4) 5) 6) 7) 8) 9) 0) 1) 2) 3) 4) 5) 6) 7) 8) 9) 0) 1) 1) 2) 3) 1) 1) 1) 1) 1) 1) 1) 1) 1) 1) 1) 1) 1)	Pipe depth is based on a typical installation for on-site work involving new backfill. 8" CMP Corrugated Metal Pipe 12" CMP 15" CMP 18" CMP 24" CMP 30" CMP 36" CMP 48" CMP 48" CMP 54" CMP 60" CMP 8" ADS N-12 12" ADS N-12 12" ADS N-12 12catch Basin Type I Catch Basin Type II, 48" DIA Catch Basin Type II, 54" DIA Catch Basin Type II, 54" DIA Catch Basin Type II, 54" DIA Catch Basin Type II, 60" DIA Catch Basin Type II, 72" DIA Yard Drain 8" PVC (3034)	\$48.89 /LF \$70.28 /LF \$70.28 /LF \$100.83 /LF \$1125.28 /LF \$137.50 /LF \$167.03 /LF \$167.03 /LF \$240.37 /LF \$240.37 /LF \$316.75 /LF \$37.18 /LF \$37.18 /LF \$47.87 /LF \$77.41 /LF \$101.85 /LF \$2215.24 /EA \$4674.92 /EA \$4674.92 /EA \$5550.83 /EA \$7893.38 /EA \$7893.38 /EA \$9441.50 /EA \$1222.20 /EA
2) 3) 4) 5) 6) 7) 8) 9) 0) 11) 2) 3) 4) 5) 6) 7) 8) 9) 2) 2) 2) 2) 2) 2) 2) 2) 2) 3) 4) 2) 2) 2) 2) 2) 2) 2) 2) 2) 2) 2) 2) 2)	Pipe depth is based on a typical installation for on-site work involving new backfill. 8" CMP Corrugated Metal Pipe 12" CMP 15" CMP 18" CMP 24" CMP 30" CMP 36" CMP 48" CMP 48" CMP 54" CMP 60" CMP 8" ADS N-12 12" ADS N-12 12" ADS N-12 12" ADS N-11 Catch Basin Type II, 48" DIA Catch Basin Type II, 54" DIA w/restrictor Catch Basin Type II, 54" DIA w/restrictor Catch Basin Type II, 54" DIA Catch Basin Type II, 60" DIA Catch Basin Type II, 72" DIA Yard Drain	\$48.89 /LF \$70.28 /LF \$86.57 /LF \$100.83 /LF \$125.28 /LF \$137.50 /LF \$167.03 /LF \$167.03 /LF \$240.37 /LF \$282.12 /LF \$316.75 /LF \$37.18 /LF \$37.18 /LF \$47.87 /LF \$101.85 /LF \$101.85 /LF \$2215.24 /EA \$4674.92 /EA \$5550.83 /EA \$6992.00 /EA \$7893.38 /EA \$9441.50 /EA

	VAULTS WITH CARTRIDGE FILTER				
1) .	2-3 FILTERS	\$26,000-\$42	,000.00		
2) .	10-12 FILTERS	\$58,000-\$75	,000.00		
3) .	16-20 FILTERS	\$85,000-\$118	3,000.00		
	SANITARY SEWER SYSTEMS				
	Pipe depth is based on a typical installation for on-site work involving new construction backfill.	on; includes native	:		
1) .	4" PVC 3034 Side Sewer	\$49.35	/LF		
2)	6" PVC 3034 Side Sewer	\$64.05	/LF		
3)	8" PVC 3034 Sewer Main	\$78.75	/LF		
4)	Clean Out w/cast iron cover 6" C.O.	\$966.00	/EA		
ō) .	Septic Tank 1000 GAL	\$2887.50	/EA		
3) 3)	Drainfield 24" wide trench	\$16.80	/LF		
7) .	Manhole, 48" DIA	\$6720.00	/EA		
1 \	FOOTING / FOUNDATION DRAINS PVC 4" Includes: Pipe, Fittings, Gravel Cover (2729)	\$25.73	/ =		
	······································				
	ADS 4" Includes: Pipe, Fittings, Gravel Cover Downspout Drains (3034) 4"	\$22.05 \$28.88			
٠,	DOWNSPORT DIAMS (0004) 4	Ψ20.00	/LI		
	AUGER CAST PILES				
	Mobilization	\$28,000.00			
A)	12" Diameter	\$65.00	/LF		
B)	16" Diameter	\$80.00	/LF		
C)	18" Diameter	\$85.00	/LF		
D)	24" Diameter	\$100.00	/LF		
	WOOD PILING (new-land only-good soil conditions and access)				
	Mobilization	\$25,000.00			
A)	Under 1500 Total LF	\$75.00	/LF		
,	Over 1500 Total LF	\$65.00	• · · · · · · · · · · · · · · · · · · ·		
	SHORING-CANTELEVERED SOLDIER PILE (good soil conditions, good access)				
	Mobilization	\$25,000.00			
A)	Temporary (includes lagging, SF of lagged wall)	\$80 - \$100.00	/SF		
-/	Permanent (includes lagging, SF of lagged wall)		/SF		

CULVERT PIPE - FABRICATED FITTINGS - LABOR CHARGES ONLY

The following are labor charges to cut and weld shop fabricated fittings. Add the required lineal footage to the appropriate pipe type. Add 25% each for aluminum pipe, arched pipe, and eccentric tees e.g. risers.

1) 2-2/3" x 1/2 " Corrugation

SIZE	ELBOW <45 DEG	ELBOW >45 DEG	TEE	WYE	BULKHEAD/ CAP
6"	\$64	\$63	\$77	\$91	\$56
8"	\$71	\$70	\$86	\$101	\$75
10"	\$76	\$76	\$94	\$138	\$93
12"	\$96	\$95	\$118	\$168	\$112
15"	\$115	\$115	\$143	\$198	\$139
18"	\$134	\$133	\$167	\$229	\$167
24"	\$165	\$164	\$217	\$259	\$212
30"	\$212	\$212	\$293	\$348	\$259
36"	\$257	\$256	\$345	\$411	\$339
42"	\$298	\$298	\$399	\$477	\$416
48"	\$340	\$339	\$454	\$542	\$563
54"	\$390	\$390	\$523	\$628	\$688
60"	\$437	\$437	\$580	\$693	\$813
66"	\$480	\$470	\$533	\$759	\$988

2) 3" X 1" Corrugation

SIZE	ELBOW <45 DEG	ELBOW >45 DEG	TEE	WYE	BULKHEAD/ CAP
72"	\$500.00	\$575.00	\$775.00	\$930.00	\$1125.00
78"	\$583.00	\$670.00	\$837.00	\$1004.00	\$1300.00
84"	\$654.00	\$752.00	\$949.00	\$1140.00	\$1218.00
90"	\$710.00	\$817.00	\$1019.00	\$1063.00	\$1738.00
96"	\$752.00	\$865.00	\$1086.00	\$1133.00	\$1988.00
102"	\$801.00	\$921.00	\$1149.00	\$1201.00	\$1784.00
108"	\$843.00	\$969.00	\$1217.00	\$1271.00	\$2275.00
114"	\$888.00	\$1021.00	\$1282.00	\$1340.00	\$2900.00
120"	\$935.00	\$1075.00	\$1349.00	\$1411.00	\$3288.00

	ELEVATOR SHAFTS (good conditions and access)	
A)	24" Diameter	\$45,000.00 /EA
	DRILLED SHAFTS	
A)	18" Diameter	\$190.00 /LF
B)	24" Diameter	\$225.00 /LF
C)	30" Diameter	\$275.00 /LF
D) .	36" Diameter	\$350.00 /LF
	EARTHWORK	
1)	Excavation, Common 500 CY	\$12.60 /CY
2)	Excavation, Common 10,000 CY	\$10.50 /CY
3)	Fill Structural Class B Pit Run Gravel	\$43.05 /TON
4)	Export within 10 mile radius	\$35.42 /CY
5)	Dump Fees	\$12.47 /TON
6)	Footing Excavation Small Backhoe	\$18.46 /CY
7)	Footing Excavation Large Track Backhoe	\$12.97 /CY
8)	Footing Backfill Placed and Compacted	\$13.47 /CY
9)	Gravel Base Under Slab on Grade	
	Includes: Fill, Placement, and Compaction.	\$71.40 /CY
	Filter Fabric Mirafi #140N	\$2.00 /SY
11)	Vapor Barrier Under Slab on Grade 6 Mil	\$0.19 /SF
	Rough Grade	\$0.20 /SF
	Clearing	\$0.47 /SF
	Fine Grading	\$0.29 /SF
15) 	Road Crossing - Utility Ditch Crushed Rock	\$43.05 /TON
	ASPHALT PAVEMENT	
	ADD 22% FOR PREVAILING WAGES	
1)	2" Class B Asphalt w/2" Base Includes soil sterilization	
	A) 100 to 500 SY	\$44.50 /SY
	B) 500 to 1000 SY	\$31.12 /SY
•	C) 1000 SY and up	\$29.26 /SY
	2" Class B Asphalt w/ 4" Base Includes soil sterilization	
	A) 100 to 500 SY	\$48.19 /SY
	B) 500 to 1000 SY	\$40.58 /SY
	C) 1000 to 2500 SY	\$35.75 /SY
	D) 2500 SY and up	\$29.44 /SY
3)	2" Class B Asphalt with 4" ATB Base	
	A) 2200 SY	\$56.50 /SY
•	B) 7000 SY	\$47.60 /SY
	4" ATB	\$45.57 /SY
5)	Bike Path 2" Class B Asphalt with 4" base	\$45.95 /SY
	Trench Patching Includes: 2" Asphaltic Concrete, no base or prep.	\$58.25 /LF
	Root Barrier: 2' high	\$41.42 /LF
	Gravel Surfacing	\$23.63 /SY
	Seal Coat Latex Base-2 coats	\$4.10 /SY

CONCRETE PAVEMENT	
9" Thick	\$74.00 /SY
12" Thick	\$88.00 /SY
UNIT PAVERS See Systems-in-Place in Division 4.	
FENCING, PERMANENT - Furnished & installed. Budget prices listed ar quantity of several hundred lineal feet of fence in normal soil conditions for are based on Seattle Washington area market and Prevailing Wage costs specific conditions (like total quantity of fence, access, grade changes, digasphalt or concrete for post setting, prevailing wage) will impact costs.	or new construction. Prices s. On-site variables or project
6' High Galvanized Chain Link Fence	\$55.00-\$70.00 /LF
7' High GALV Chain Link Fence w/3 strands barbwire (6' fabric) 6' High Black Coated Chain Link Fence	\$60.00-\$75.00 /LF
(vinyl coated chain link fabric and powder coated framework) 6' High Black Coated Chain Link Fence w/Vinyl slats	\$50.00-\$75.00 /LF
(vinyl coated chain link fabric and powder coated framework)	\$65.00-\$80.00 /LF
6' High Basic Solid Wood Style Fence	······································
(4x4 posts, (2) 2x4 rails, 1x6 vertically installed cedar fence boards)	\$50.00-\$70.00 /LF
3' High Two Rail Split Rail Fence (Cedar)	\$22.00-\$28.00 /LF
FENCING, TEMPORARY 6'H X 12'L Temp Fence Panels W/ Concrete Block A) 3 month contract B) 6 month contract	\$2.25/LF (JOB MIN 450.0 \$3.00/LF (JOB MIN 650.0
C) 9 month contract	\$4.25/LF (JOB MIN 750.0
D) 12 month contract	\$5.00/LF (JOB MIN 850.0
6'H Drive Post Fencing	φο.σο/Ει (σου ινιίι σου.σ
A) 1-6 month contract	\$26.00/LF (JOB MIN 550.0
Standard Labor To Install/Remove	\$12.00 /LF
Delivery In King,Pierce & Sno Co	\$350.00 Per Trucklo
Time & Material Or Extra Labor	\$180.00 Per Cro
Water Barricade Rentals	\$55.00 Per Unit Per Mor
Call For Pricing On Fence Panel Option, Customer Responsible For Water	er Supply
STEEL TRENCH PLATES Freight: \$75 per hour up to 40,000 LB Include	es boom truck service
2142 lbs, 6'X10'X7/8"	\$100.00 /MO
3266 lbs, 8'X10'X1"	\$115.00 /MO
3920 lbs, 8'X12'X1"	\$115.00 /MO
5875 lbs, 8'X12'X1-1/2"	\$150.00 /MO
6532 lbs, 8'X20'X1"	\$175.00 /MO
ELEVATOR SHAFTS - good conditions and access	

	CURBING		
1)	Extruded Curb 6" x 8" - Standard Size-Minimum 250 LF	\$25.00	/LF
2)	Extruded Curb 6" x 10"- Minimum 250 LF	\$30.00	/LF
3)	Precast Wheel Stops 6'	\$400.00/EA 12 (OR LES
4)	Precast Wheel Stops 6'	\$400.00/EA 13 O	R MOR
	PARKING AND PAVEMENT MARKINGS		
1)	Striping	\$2.00-30.00	/LF
2)	Stencils	\$30.00-\$1000.00	/EA
3)	Numbers	\$35.00 EAC	CH DIG
4)	Curb Painting	\$4.00-\$20.00	/LF
5)	Seal Coating second coat with asphalt emulsion	\$1.00	/SF
	** Call for minimum charges on small quantities **		•••••
	POWER WASHING		
1)	Power wash water truck: Prevailing HR	\$130.00	/HR
2)	Power wash water truck: Non-Prevailing HR	\$105.00	/HR
	PERMEABLE ASPHALT		
	MIX & INSTALLATION ONLY. EXCLUDES UNDERLINING BASE COURSE		
1)	10,000 SF- 4" Mix only	\$6.16	/SF
2)	30,000 SF - 4" Mix only	\$5.77	/SF
	PERVIOUS CONCRETE PAVING		
1)	4" (Truck pour)	\$6.75	/SF
2)	5" (Truck pour)	\$8.00	/SF
	PAVERS		
1)	Permeable Pavers with sub-base, base and bedding	\$14.00-\$18.00	/SF
2)	Sand Set Pavers	\$13.00-\$18.00	/SF
3)	Pedestal Set Pavers	\$15.00-\$21.00	/SF
4)	Interlocking Concrete Pavers	\$10.00	/SF
	RETAINING WALLS		
1)	Rockeries	\$13.00-\$18.00	• · · · · · · · · · · · ·
2)	Gabion	\$130.00-\$160.00	/CY
3)	Wire Mesh Walls	\$14.00-\$32.00	/SF
4)	Modular Block	\$13.00-\$23.00	/SF
5)	Criblock	\$16.00-\$24.00	/SF
6)	18 X 18 1-5/8" Thick	\$10.70	/EA
7)	24 x 24 1-7/8" Thick	\$13.20	/EA
	SITE FURNISHINGS		
1)	Tennis court Surface coat	\$3750.00	O/COUF
2)	Cushioned play mat 1-3/4"	\$11.50	/SF

	LANDSCAPING					
	Irrigation Systems Per Square Foot					
	A) 2" to 3" Popups	\$1.10	/SF			
	B) 6" Popups	\$1.65	/SF			
	C) Toro 300's	\$1.00	/SF			
	D) Super 600's	\$1.00	/SF			
2)	Irrigation Systems Detailed		••••			
	A) Point of Connection Depending on Size	\$3,350.00	/EA			
	B) 2" Automatic Control Valves - Brass	\$1,250.00	/EA			
	C) 1-1/2" Automatic Control Valves - Brass	\$975.00	/EA			
	D) 1" Automatic Control Valves - Brass	\$750.00	/EA			
	E) 2" Automatic Control Valves - Plastic	\$625.00	/EA			
•	F) 1-1/2" Automatic Control Valves - Plastic	\$425.00	/EA			
•	G) 1" Automatic Control Valves - Plastic	\$475.00	/EA			
	H) 3" PVC	\$7.50	/LF			
•	I) 2-1/2" PVC	\$7.00	/LF			
•	J) 2" PVC	\$5.50	/LF			
•	K) 1-1/2" PVC	\$4.50	/LF			
	L) 1-1/4" PVC	\$3.75	• • • • • • • •			
	M) 1" PVC	\$3.45	• • • • • • • • •			
	N) 3/4" PVC	\$3.25	• • • • • • • • •			
	O) Quick Couplers	\$205.00	• · · · · · · · ·			
	P) Manual Drainage	\$95.00	• • • • • • • • •			
	Q) Automatic Electric Controller, 24 Station	\$1575.00-\$2625.00				
	R) Heads Depends on average size	\$135.00	• • • • • • • • •			
	S) Direct Burial Cable, 14 GA	\$0.20	• • • • • • • • •			
	T) Double Check Valve 2" Approximate	\$1,100.00	• • • • • • • • •			
	U) Double Check Valve 2" W/enclosed 25TA Vault Apprx	\$2,750.00	• • • • • • • • •			
	Grading	<u> </u>	:			
,	A) Rough Grading	\$0.08-\$0.09	/SF			
	B) Fine Grading	\$0.17	• • • • • • • • •			
	Soil Placement	Ψ0.11				
,	A) Stockpiled Open Area	\$15.25	/CY			
	B) Stockpiled Tight Areas	\$17.75				
	C) Imported Open Areas	\$40.00	• • • • • • • • •			
	D) Imported Tight Areas	\$45.00	• • • • • • • • •			
5)	Bark Mulch Blown	\$70.00	• · · · · · · · ·			
٠.	Bed Areas Includes soil prep and bark					
٠.	Turf Areas	\$0.75	/SF			
,		ድ በ 15 ድበ 20	/QE			
•	A) Hydroseeding Includes: Mulch seed blends, fertilizer & tackifier but not ground prep.	\$0.15-\$0.20	••••••			
	B) Strawblowing	\$0.05-\$0.08	/SF			
	or \$420-\$840 per acre price varies by slope and volume					
	Strawblowing - with tackifier	\$0.07	/SF			

8)	Planting	
	A) Shrubs 1 gallon	\$12.50-\$15.00 /EA
	B) Shrubs 2 gallon	\$12.50-\$16.50 /EA
	C) Shrubs 5 gallon	\$28.00-\$35.00 /EA
	D) Vine Maples 6'-8' clumps	\$350.00 /EA
	E) Trees - Deciduous 2" caliper	\$475.00 /EA
	F) Trees - Deciduous 3" caliper	\$550.00 /EA
	G) Trees - Deciduous 4" caliper	\$750.00 /EA
	Trees - Add 20% for oaks	
	H) Trees - Coniferous 6 - 8 '	\$325.00 /EA
	I) Trees - Coniferous 8 - 10'	\$350.00 /EA
	J) Trees - Coniferous 10 - 12'	\$475.00 /EA
	K) Groundcovers 2-1/4"	\$3.50 /EA
	L) Groundcovers 4"	\$4.25 /EA
	Groundcover prices vary with plant material and spacing.	
9)	Turf & Trees 30' on Center with Irrigation System	
	A) Sod Turf	\$1.85 /SF
	B) Seed Turf	\$1.50 /SF
	CONSTRUCTION SURVEY / LAYOUT-SITE PREPARATION Construction survey estimated layout/consulting rates-prices do no setup costs. PROFESSIONAL SERVICES: Cut sheets, field notes, office calcul	
	may be an additional fee.	'
1)	Office staff: Licensed Surveyor	\$250.00-\$350.00 /HR
2)	Office staff: Draft Person	\$100.00-\$150.00 /HR
3)	2-man Field Crew	\$300.00-\$350.00 /HR
4)	G.P.S. control point (3 minimum)	\$200.00 /EA
5)	Monument reference/replacement	\$500.00 /EA
6)	Assumed Datum Bench Mark (2 minimum)	\$200.00 /EA
7)	Defined Datum Bench Mark (2 minimum)	\$250.00 /EA
8)	Aerial Drone 3D Mapping Data Collection	\$300.00-\$400.00 /HR
8A)	Aerial Drone 3D Mapping Office Drafting	\$125.00-\$150.00 /HR
9)	Bathymetric Subaquatic Mapping (single-beam)	\$500.00 /HR
	Dethermental Code and the Managina (and the code)	

 9A)
 Bathymetric Subaquatic Mapping (multi-beam)
 Call Service Provider

 10)
 Crew Travel (Portal to Portal)
 \$100.00-\$150.00 /HR

	TRAFFIC SIGNAL SYSTEMS	
	Does Not Include Lighting Or Power Function	
1)	Sized For Single Arm To 40 Feet	\$3,750.00 /EA
2)	Horizontal Arm Per Lineal Feet	\$550.00 /LF
3)	Traffic Signal	
	Including Signal Bracket Sensor Wiring	\$6,500.00 /EA
4)	Pedestrian Signals And Callers	•
	Includes Four Signals With Brackets And To Call Buttons	\$8,750.00 /EA
5)	Controller Design	
	Includes Miscellaneous Signage And Adjacent Surface Work	\$75,000.00 /EA