



Unit Description	Unit Price	Unit	Add. Cost	No. of Units	Total
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Parking Lot/Streets

Temporary Barricades	\$246.00	each			\$0.00
Asphaltic Concrete & Bituminous Concrete Curb - 3" High Rolled	\$6.15	lin ft			\$0.00
Asphaltic Concrete & Bituminous Concrete Curb - 6" High Vertical	\$10.35	lin ft			\$0.00
Concrete Curb - 3" High Integral Rolled	\$8.50	lin ft			\$0.00
Concrete Curb - 6" High Integral Vertical (cul-de-sac)	\$10.35	lin ft			\$0.00
Concrete Curb & Gutter - 3" High Rolled	\$16.60	lin ft			\$0.00
Concrete Curb & Gutter - 6" High Vertical	\$20.70	lin ft		880	\$18,216.00
Guard Rail (Steel)	\$57.40	lin ft			\$0.00
Bituminous Concrete Pavement - 2" Type C Wearing Surface	\$12.30	sq yd			\$0.00
Bituminous Concrete Pavement - 9" (7" Type X & 2" Type C) (CRS)	\$56.40	sq yd		1786	\$100,730.40
Bituminous Concrete Pavement - 10.5" (8.5" Type X & 2" Type C) (CRS)	\$67.70	sq yd			\$0.00
Tack Coat	\$1.50	gal			\$0.00
Prime Coat	\$2.50	gal			\$0.00
Concrete Base - 6"	\$45.50	cu yd			\$0.00
Concrete Base - 7"	\$48.30	sq yd			\$0.00
Concrete Pavement - 6" PCC (Non-Reinforced) (CRS)	\$35.00	sq yd			\$0.00
Concrete Pavement - 7" PCC (Non-Reinforced) (CRS)	\$35.00	sq yd			\$0.00
Concrete Pavement - 8" PCC (Non-Reinforced) (ARS)	\$38.50	sq ft		657	\$25,294.50
Rock Excavation	\$24.40	cu yd			\$0.00
Subgrade Excavation	\$2.80	cu yd			\$0.00
Saw Cutting	\$5.75	lin ft			\$0.00
Type 5 Aggregate Base - 6"	\$6.40	sq yd		2832	\$18,124.80
Removal of Asphaltic Concrete & Bituminous Concrete Pavement	\$20.50	sq yd			\$0.00
Removal of Asphaltic Concrete & Bituminous Concrete Curb	\$15.30	lin ft			\$0.00
Removal of Asphaltic Concrete & Bituminous Concrete Driveway	\$17.50	sq yd			\$0.00
Removal of Concrete Curb & Gutter	\$18.50	lin ft		49	\$906.50
Removal of Concrete Driveway	\$26.50	sq yd			\$0.00
Removal of Concrete Pavement	\$28.70	sq yd			\$0.00
Removal of Concrete Walk	\$2.60	sq ft			\$0.00
R & R of Asphaltic Concrete & Bituminous Concrete Pavement	\$56.40	sq yd			\$0.00
R & R of Asphaltic Concrete & Bituminous Concrete Curb	\$30.80	lin ft			\$0.00
R & R of Asphaltic Concrete & Bituminous Concrete Driveway	\$43.00	sq yd			\$0.00
Removal & Replacement of Concrete Curb & Gutter	\$39.00	lin ft			\$0.00
Removal & Replacement of Concrete Driveway	\$49.20	sq yd			\$0.00
Removal & Replacement of Concrete Pavement	\$54.30	sq yd			\$0.00
Removal & Replacement of Concrete Walk	\$7.30	sq ft			\$0.00
Non-Residential - 55' R, 7" Portland Cement Concrete (No Center Island) - TA	\$26,950.00	each			\$0.00
Non-Residential - 55' R, Bituminous Concrete (8.5" Type X & 2" Type C) - TA	\$26,950.00	each			\$0.00
Residential - 42' R, 6" Portland Cement Concrete - TA	\$15,250.00	each			\$0.00
Residential - 42' R, Bituminous Concrete (7" Type X & 2" Type C) - TA	\$15,250.00	each			\$0.00
Residential - 55' R, 6" Portland Cement Concrete - TA	\$21,450.00	each			\$0.00
Residential - 55' R, Bituminous Concrete (7" Type X & 2" Type C) - TA	\$21,450.00	each			\$0.00
Temp Turnaround - Residential, Bituminous Concrete (7" Type X & 2" Type C)	\$6,400.00	each			\$0.00
A-Joint installation	\$500.00	each			\$0.00
Striping Removal and Replacement	\$600.00	LS			\$0.00
					\$0.00

Streets	\$163,272.20
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Storm Sewers

12" Concrete Collar	\$207.00	each			\$0.00
15" Concrete Collar	\$259.00	each			\$0.00
18" Concrete Collar	\$310.00	each			\$0.00
24" Concrete Collar	\$388.00	each			\$0.00
27" Concrete Collar	\$414.00	each			\$0.00
30" Concrete Collar	\$440.00	each			\$0.00
36" Concrete Collar	\$544.00	each			\$0.00



Engineers Cost Estimate for Site Improvements

3/25/2021
Page 2 of 6

Unit Description	Unit Price	Unit	Add. Cost	No. of Units	Total
42" Concrete Collar	\$621.00	each			\$0.00
48" Concrete Collar	\$724.00	each			\$0.00
12" Flared End Section	\$517.00	each		1	\$517.00
15" Flared End Section	\$569.00	each			\$0.00
18" Flared End Section	\$621.00	each		1	\$621.00
21" Flared End Section	\$673.00	each			\$0.00
24" Flared End Section	\$724.00	each			\$0.00
27" Flared End Section.	\$828.00	each			\$0.00
30" Flared End Section	\$931.00	each			\$0.00
33" Flared End Section	\$1,294.00	each			\$0.00
36" Flared End Section	\$1,347.00	each			\$0.00
42" Flared End Section	\$1,552.00	each			\$0.00
48" Flared End Section	\$1,763.00	each			\$0.00
54" Flared End Section	\$1,865.00	each			\$0.00
60" Flared End Section	\$2,383.00	each			\$0.00
66" Flared End Section	\$2,798.00	each			\$0.00
72" Flared End Section	\$3,418.00	each			\$0.00
Toe Wall	\$220.00	cu yd			\$0.00
Rip-Rap and Filter Fabric at Flared Ends	\$50.00	sq yd			\$0.00
12" Headwall	\$1,219.00	each			\$0.00
15" Headwall	\$1,245.00	each			\$0.00
18" Headwall	\$1,255.00	each			\$0.00
21" Headwall	\$1,300.00	each			\$0.00
24" Headwall	\$1,347.00	each			\$0.00
27" Headwall	\$1,435.00	each			\$0.00
30" Headwall	\$1,609.00	each			\$0.00
33" Headwall	\$1,747.00	each			\$0.00
36" Headwall	\$1,947.00	each			\$0.00
42" Headwall	\$2,070.00	each			\$0.00
48" Headwall	\$2,280.00	each			\$0.00
54" Headwall	\$2,434.00	each			\$0.00
60" Headwall	\$2,665.00	each			\$0.00
66" Headwall	\$2,952.00	each			\$0.00
72" Headwall	\$3,157.00	each			\$0.00
12" RCP	\$34.00	lin ft			\$0.00
15" RCP	\$38.00	lin ft			\$0.00
18" RCP	\$40.00	lin ft			\$0.00
21" RCP	\$44.00	lin ft			\$0.00
24" RCP	\$50.00	lin ft			\$0.00
27" RCP	\$52.00	lin ft			\$0.00
30" RCP	\$55.00	lin ft			\$0.00
33" RCP	\$59.00	lin ft			\$0.00
36" RCP	\$62.00	lin ft			\$0.00
42" RCP	\$75.00	lin ft			\$0.00
48" RCP	\$87.00	lin ft			\$0.00
54" RCP	\$111.00	lin ft			\$0.00
60" RCP	\$133.00	lin ft			\$0.00
66" RCP	\$168.00	lin ft			\$0.00
72" RCP	\$230.00	lin ft			\$0.00
78" RCP	\$256.00	lin ft			\$0.00
84" RCP	\$316.00	lin ft			\$0.00
90" RCP	\$343.00	lin ft			\$0.00
96" RCP	\$404.00	lin ft			\$0.00
102" RCP	\$425.00	lin ft			\$0.00
8" PVC	\$12.00	lin ft		80	\$960.00
12" HDPE Pipe with Bedding and Backfill	\$38.00	lin ft		50	\$1,900.00
15" HDPE Pipe with Bedding and Backfill	\$45.00	lin ft		166	\$7,470.00
18" HDPE Pipe with Bedding and Backfill	\$50.00	lin ft		249	\$12,450.00



Unit Description	Unit Price	Unit	Add. Cost	No. of Units	Total
21" HDPE Pipe with Bedding and Backfill		lin ft			\$0.00
24" HDPE Pipe with Bedding and Backfill		lin ft			\$0.00
27" HDPE Pipe with Bedding and Backfill		lin ft			\$0.00
Area Inlet, Single	\$2,070.00	each			\$0.00
Area Inlet, Double	\$2,485.00	each			\$0.00
Area Inlet, Triple	\$3,105.00	each			\$0.00
Asphaltic Concrete Swale - 5" thick	\$5.45	sq ft			\$0.00
Box Culvert	\$727.00	cu yd			\$0.00
Concrete Encasement/ Cradle	\$220.00	cu yd			\$0.00
Corrugated Metal Pipe	\$2.70	lin ft			\$0.00
Corrugated Metal Pipe, Aluminum	\$3.00	lin ft			\$0.00
End Pipe	\$724.00	each			\$0.00
Energy Dissipater	\$3,625.00	each			\$0.00
Granular Fill per Cubic Yard (crossing and bedding)	\$3.70	cu yd			\$0.00
Granular Fill per Lot	\$205.00	per lot			\$0.00
Grated Inlet	\$2,588.00	each		2	\$5,176.00
Grated Inlet with Sidetake Unit	\$2,500.00	each			\$0.00
Grated Trough (Cast-Iron)	\$10,350.00	each			\$0.00
Junction Chamber	\$13,250.00	each			\$0.00
Overflow Structure	\$6,210.00	each		1	\$6,210.00
Riprap - Heavy Stone	\$57.00	sq yd			\$0.00
Riprap / Revetment - Gabion Basket	\$210.00	cu yd			\$0.00
Riprap / Revetment - Heavy Stone (12-24")	\$47.00	sq yd			\$0.00
Riprap / Revetment - Light Stone (9-12")	\$47.00	sq yd			\$0.00
Storm Sewer Manhole	\$1,350.00	each			\$0.00
Street Curb Inlet, Single	\$1,350.00	each			\$0.00
Street Curb Inlet, Double	\$2,575.00	each			\$0.00
Street Curb Inlet, Triple	\$2,700.00	each			\$0.00
Jetting	\$1.50	lin ft			\$0.00
Raingarden or Bio-swale	\$10.00	sq ft		539	\$5,390.00
NPDES filter unit - each inlet	\$200.00	each			\$0.00
NPDES filter unit - site specific	\$20,000.00	each			\$0.00
Under-drain System	\$2,000.00	each			\$0.00
Spring Treatment	\$18,450.00	each			\$0.00
Detention/Retention Basin - Apartments / Condominiums	\$62.00	# of Units	\$9,330		\$0.00
Detention/Retention Basin - Industrial / Commercial	\$1,238.00	# of Acres	\$15,500		\$0.00
Detention/Retention Basin - Residential	\$250.00	# of Lots	\$7,750		\$0.00
6" PVC	\$12.00	lin ft		121	\$1,452.00
Manhole - cast-in-place (dog-house)	\$2,000.00	each		1	\$2,000.00
Cleanout	\$250.00	each		4	\$1,000.00

Storm Sewers	\$45,146.00
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Sanitary Sewers

42" Manhole - precast	\$1,000.00	each			\$0.00
48" Manhole - precast	\$1,200.00	each			\$0.00
60" Manhole - precast	\$1,500.00	each			\$0.00
Manhole - cast-in-place (dog-house)	\$2,000.00	each			\$0.00
8" PVC pipe	\$12.00	lin ft			\$0.00
10" PVC pipe	\$13.00	lin ft			\$0.00
8" DIP	\$40.00	lin ft			\$0.00
10" DIP	\$45.00	lin ft			\$0.00
8"x4" wyes	\$30.00	each			\$0.00
8"x6" wyes	\$30.00	each			\$0.00
Granular Fill (crossings and bedding)	\$8.00	Ton			\$0.00
Jetting	\$1.50	lin ft			\$0.00
Concrete Encasement/Cradle	\$200.00	cu yd			\$0.00
Connect to Existing Main	\$500.00	each			\$0.00



Unit Description	Unit Price	Unit	Add. Cost	No. of Units	Total
Connect to Existing Structure	\$500.00	each			\$0.00
Force Main - 2" PVC	\$6.00	lin ft			\$0.00
Force Main - 6" PVC	\$8.00	lin ft			\$0.00
Force Main - Lift Station (& associated construction)	\$250,000.00	lump sum			\$0.00
Force Main - Air Release Valves	\$600.00	each			\$0.00
Force Main - Off-Site Location Markers	\$40.00	each			\$0.00
Force Main - Pressure Test	\$50.00	pipe run	\$500		\$0.00
Pressure and Vacuum Test	\$20.00	pipe run	\$500		\$0.00
Mandrel Pull	\$10.00	pipe run	\$500		\$0.00
Horz Boring - Mobilization	\$5,000.00	each			\$0.00
Horz Boring - Bore Pit (Excavation and Backfilling)	\$50.00	cu yd			\$0.00
Horz Boring - Casing Pipe	\$25.00	lin ft			\$0.00
Horz Boring - Restoration (vegetation)	\$8.30	sq yd			\$0.00
Grease Interceptor	\$4,000.00	each			\$0.00
6" Cut in WYE	\$1,500.00	each		1	\$1,500.00
Cleanout	\$250.00	each		3	\$750.00
6" PVC	\$12.00	each		110	\$1,320.00

Sanitary Sewers	\$3,570.00
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Water

Connect to Existing Main	\$500.00	each			\$0.00
2" PVC	\$7.50	lin ft			\$0.00
6" PVC	\$8.00	lin ft		127	\$1,016.00
8" PVC	\$9.00	lin ft			\$0.00
6" 3-Way Fire Hydrant	\$1,700.00	each		1	\$1,700.00
8" 3-Way Fire Hydrant	\$1,900.00	each			\$0.00
6" Bend	\$200.00	each		2	\$400.00
8" Bend	\$225.00	each			\$0.00
6" Blow-off Valve	\$400.00	each			\$0.00
2" Blow-off Valve	\$400.00	each			\$0.00
6"x2" Reducer	\$150.00	each			\$0.00
8"x6" Reducer	\$175.00	each			\$0.00
6" Valve Box	\$500.00	each			\$0.00
8" Valve Box	\$700.00	each			\$0.00
Tee	\$250.00	each		3	\$750.00
Tracer Wire	\$1.00	lin ft			\$0.00
Tracer Tape	\$0.75	lin ft			\$0.00
Straddle Block	\$100.00	each			\$0.00
Concrete Collar (at surface)	\$50.00	each			\$0.00
Backing/Thrust Block	\$150.00	each			\$0.00
Granular Fill (crossings and bedding)	\$8.00	ton			\$0.00
Jetting	\$1.50	lin ft			\$0.00
Bacteria Test	\$500.00	each	\$500		\$0.00
Pressure Test	\$2,000.00	each	\$500		\$0.00
Off-Site Location Markers	\$50.00	each			\$0.00
Horz Boring - Mobilization	\$5,000.00	each			\$0.00
Horz Boring - Bore Pit (Excavation and Backfilling)	\$50.00	cu yd			\$0.00
Horz Boring - Casing Pipe	\$25.00	lin ft			\$0.00
Horz Boring - Restoration (vegetation)	\$8.30	sq yd			\$0.00
Backflow Preventor	\$3,000.00	each		1	\$3,000.00
					\$0.00

Water	\$6,866.00
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Grading

Erosion Control - Apartments / Condominiums (vegetation)	\$311.00	# of Units	\$2,480		\$0.00
Erosion Control - Industrial / Commercial (vegetation)	\$1,860.00	# of Acres	\$1,550	1.64	\$4,600.40
Erosion Control - Residential (vegetation)	\$372.00	# of Lots	\$1,240		\$0.00



Unit Description	Unit Price	Unit	Add. Cost	No. of Units	Total
Grading - Apartments / Condominiums	\$189.00	# of Units	\$4,635		\$0.00
Grading - Industrial / Commercial	\$1,558.00	# of Acres	\$3,720	1.64	\$6,275.12
Grading - Residential	\$317.00	# of Lots	\$3,110		\$0.00
Siltation Control - Apartments / Condominiums (silt fence, silt basins, check dams, etc.)	\$56.00	# of Units	\$2,480		\$0.00
Siltation Control - Industrial / Commercial (silt fence, silt basins, check dams, etc.)	\$774.00	# of Acres	\$3,110	1.64	\$4,379.36
Siltation Control - Residential (silt fence, silt basins, check dams, etc.)	\$158.00	# of Lots	\$2,480		\$0.00
Temporary Silt Basin - Outfall Structure	\$5,000.00	each		1	\$5,000.00
Temporary Silt basin - Riser Pipe	\$8.00	lin ft			\$0.00
Clearing	\$3,000.00	# of Acres			\$0.00
Construction Entrance / Wash Down Pad / Parking	\$25.00	sq yd		192	\$4,800.00
Sink Hole Treatment - Capping	\$610.00	each			\$0.00
Sinkhole Treatment - Venting	\$3,880.00	each			\$0.00
Sink Hole Treatment	\$28,315.00	each			\$0.00
Retaining Wall - Concrete	\$912.00	cu yd			\$0.00
Retaining Wall - Large Panel Wall System	\$61.50	sq ft			\$0.00
Retaining Wall - Precast Concrete Block Wall (Versa-Lok)	\$20.50	sq ft			\$0.00
					\$0.00

Grading	\$25,054.88
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Common Ground/Other Improvements

Stop Signs	\$200.00	each			\$0.00
Yield Signs	\$200.00	each			\$0.00
No Parking Signs	\$125.00	each			\$0.00
Speed Limit Sign	\$175.00	each			\$0.00
End of Road Markers	\$300.00	each			\$0.00
Other Signs	\$200.00	each			\$0.00
Construction Traffic Signs	\$50.00	each			\$0.00
Street Name Sign	\$246.00	each			\$0.00
Street Lights - Typical	\$750.00	each			\$0.00
Street Lights - Special Order	\$1,500.00	each			\$0.00
Common Ground Concrete Walkway - 4" Thick	\$4.70	sq ft			\$0.00
Concrete Handicap Curb Ramp with Truncated Domes	\$1,035.00	each			\$0.00
Concrete Sidewalk - 4" thick - 4' wide	\$4.70	sq ft			\$0.00
Concrete Sidewalk - 4" thick - 5' wide	\$4.70	sq ft		831	\$3,905.70
Concrete Sidewalk - 4" thick - 6' wide	\$4.70	sq ft			\$0.00
Concrete Sidewalk - 6" thick (Residential Entrances)	\$4.90	sq ft			\$0.00
Concrete Sidewalk - 7" thick (Commercial Entrances)	\$5.10	sq ft		420	\$2,142.00
Bituminous Concrete Trail - 6' wide - 3" thick over 4" Aggregate Base	\$22.00	sq yd			\$0.00
Bituminous Concrete Trail - 8' wide - 3" thick over 4" Aggregate Base	\$22.00	sq yd			\$0.00
Bituminous Concrete Trail - 10' wide - 3" thick over 4" Aggregate Base	\$22.00	sq yd			\$0.00
Silt Removal and Restoration (Retention/Detention Basins)	\$25,000.00	# of Acres	\$10,000		\$0.00
Trees - 1.5" diameter	\$140.00	each			\$0.00
Trees - 3.0" diameter	\$220.00	each			\$0.00
Trees, Conifer - 4' minimum	\$88.00	each			\$0.00
Trees, Conifer - 6' minimum	\$145.00	each			\$0.00
Landscaping	\$10.00	sq ft			\$0.00
Mail Kiosk	\$2,000.00	each			\$0.00
Parking Lot (Concrete or Asphalt)	\$22.00	sq yd			\$0.00
Striping	\$3.00	per stall	\$1,500		\$1,500.00
Concrete Sidewalk - 4" thick - 4' wide	\$4.70	sq ft			\$0.00
Concrete Sidewalk - 4" thick - 5' wide	\$4.70	sq ft			\$0.00
Concrete Curb - Type "S"	\$12.00	lin ft			\$0.00
Tot Lot	\$5,000.00	each			\$0.00
Sports Court	\$15,000.00	each			\$0.00
Pedestrian Trail - Asphalt	\$3.00	sq ft			\$0.00
Trash enclosures	\$1,500.00	each			\$0.00
Bike Rack	\$1,000.00	each			\$0.00



Engineers Cost Estimate for Site Improvements

3/25/2021
Page 6 of 6

Unit Description	Unit Price	Unit	Add. Cost	No. of Units	Total
Seeding - common ground	\$0.62	sq yd			\$0.00
Sodding - common ground	\$8.30	sq yd			\$0.00
Swales	\$8.30	sq yd			\$0.00
Fence, Chain Link - 4' high	\$14.60	lin ft			\$0.00
Fence, Chain Link - 5' high	\$16.65	lin ft			\$0.00
Fence, Chain Link - 6' high	\$19.75	lin ft			\$0.00
Fence, Sight Proof, PVC - 6' high	\$38.95	lin ft			\$0.00
Fence, Sight Proof, Wood - 6' high	\$36.90	lin ft			\$0.00
Fence, Vinyl or Metal - 4' high	\$40.00	lin ft			\$0.00
Fence, Vinyl or Metal - 5' high	\$45.00	lin ft			\$0.00
Fence, Vinyl or Metal - 6' high	\$50.00	lin ft			\$0.00
Survey Monuments - first 4 monuments	\$910.00	each			\$0.00
Survey Monuments - monuments after first 4	\$215.00	each			\$0.00
As-Built - Storm Sewers - Residential	\$10.00	# of Lots	\$1,000		\$0.00
As-Built - Sanitary Sewers - Residential	\$10.00	# of Lots	\$1,000		\$0.00
As-Built - Water - Residential	\$5.00	# of Lots	\$1,000		\$0.00
As-Built - Storm Sewers - Commercial/Industrial/Apts	\$150.00	# of Acres	\$500		\$0.00
As-Built - Sanitary Sewers - Commercial/Industrial/Apts	\$150.00	# of Acres	\$500		\$0.00
As-Built - Water - Commercial/Industrial/Apts	\$100.00	# of Acres	\$500		\$0.00
Off-Site Restoration Costs	\$2.00	sq yd			\$0.00
Removal of Temporary Turnaround	\$4,600.00	each			\$0.00
Commercial Estimate - Parking Lot	\$22.00	sq yd			\$0.00
Commercial Estimate - Bike Rack	\$1,000.00	each			\$0.00
Commercial Estimate - Trash Enclosure	\$1,500.00	each			\$0.00
Commercial Estimate - Striping	\$3.00	per stall			\$0.00
Commercial Estimate - Concrete Curb Type "S"	\$12.00	lin ft			\$0.00
Commercial Estimate - Wheel Stops	\$200.00	each			\$0.00
Commercial Estimate - Handicap Ramp	\$1,000.00	each		3	\$3,000.00
Commercial Estimate - Handicap Sign & Pole	\$750.00	each			\$0.00
Commercial Estimate - Light Standard	\$1,500.00	each		3	\$4,500.00
					\$0.00

Common Ground/Other Improvements	\$15,047.70
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Streets/Parking Lot	\$163,272.20
Storm Sewers	\$45,146.00
Sanitary Sewers	\$3,570.00
Water	\$6,866.00
Grading	\$25,054.88
Common Ground/Other Improvements	\$15,047.70

Total	\$258,956.78
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