

City of Rochester, New Hampshire
Project Surety Schedule & Performance Guarantee



PROJECT NAME & ADDRESS:

DATE:

MAP & LOT:

Description	Quantity	Unit	Unit Price	Total
Site Preparation				
Clearing & Grubbing		AC	\$ 12,000.00	\$ -
Removal of Pipe Lines ≤ 24"		LF	\$ 18.00	\$ -
Removal of Pipe Lines > 24"		LF	\$ 36.00	\$ -
Common Excavation		CY	\$ 16.00	\$ -
Unsuitable Excavation		CY	\$ 36.00	\$ -
Ledge Excavation		CY	\$ 125.00	\$ -
Saw Cut Pavement		LF	\$ 2.60	\$ -
Roads				
Granular/Common Fill		CY	\$ 32.00	\$ -
Gravel Backfill (304.2)		CY	\$ 36.00	\$ -
Crushed Gravel (304.3)		CY	\$ 36.00	\$ -
Crushed Stone - Fine Gradation (304.4)		CY	\$ 40.00	\$ -
Crushed Stone - Coarse Gradation (304.5)		CY	\$ 42.00	\$ -
Hot Bituminous Pavement - Hand Method		TON	\$ 170.00	\$ -
Hot Bituminous Pavement - Machine Method		TON	\$ 105.00	\$ -
Pavement Prep for Top Coat if placed over 1-yr after Base Coat		SY	\$ 1.00	\$ -
Cold Plane		SY	\$ 6.50	\$ -
Reclaim Pavement		SY	\$ 4.00	\$ -
Fine Grading		SY	\$ 3.00	\$ -
Concrete Sidewalk 4"		SY	\$ 62.00	\$ -
Bituminous Sidewalk 3"		SY	\$ 44.00	\$ -
Straight Granite Curb		LF	\$ 40.00	\$ -
Curved Granite Curb		LF	\$ 50.00	\$ -
Reset Granite Curb		LF	\$ 21.00	\$ -
Bituminous Curb, Type B 6" Reveal		LF	\$ 12.00	\$ -
Traffic Sign with Post		EA	\$ 320.00	\$ -
Lightpole Base and Fixture		EA	\$ 12,000.00	\$ -
Cobra Head Light onto Existing Pole		EA	\$ 1,170.00	\$ -
Conduit Duct Bank (4" SCH 80 - 2 Pipes)		LF	\$ 80.00	\$ -
Conduit Duct Bank (4" SCH 80 - 3 Pipes)		LF	\$ 100.00	\$ -
Conduit Duct Bank (4" SCH 80 - 4 Pipes)		LF	\$ 120.00	\$ -
Traffic Loop Detectors		EA	\$ 1,000.00	\$ -
Retroflective Paint Marking - 4" Line		LF	\$ 1.20	\$ -
Retroflective Paint Pavement Marking - Symbol or Word		EA	\$ 51.00	\$ -
Retroflective Thermoplastic Pavement Marking - ≤ 12" Line		LF	\$ 3.20	\$ -
Retroflective Thermoplastic Pavement Marking - Symbol		EA	\$ 130.00	\$ -
Obliterate Pavement Marking - ≤ 12" Line		LF	\$ 1.00	\$ -
Guardrail (Steel rail and posts)		LF	\$ 45.00	\$ -
Structural				
Mechanically Stabilized Earth Retaining Wall		SF	\$ 50.00	\$ -
Retaining Wall - Modular Block		SF	\$ 54.00	\$ -
Utilities				
Catch Basin with Frame, Grate & Hood		EA	\$ 4,800.00	\$ -
Special Catch Basins (i.e. Tree Box Filters)		EA	\$ 5,600.00	\$ -
Box Culvert ≤ 36' x 60'		LF	\$ 500.00	\$ -
Box Culvert ≥ 36' x 60'		LF	\$ 680.00	\$ -
Drop Inlet		EA	\$ 3,200.00	\$ -

Description	Quantity	Unit	Unit Price	Total
MH - 4' Dia. w/ Base and Top		VF	\$ 480.00	\$ -
MH - 5' Dia. w/ Base and Top		VF	\$ 520.00	\$ -
MH - 6' Dia. w/ Base and Top		VF	\$ 640.00	\$ -
MH - 8' Dia. w/ Base and Top		VF	\$ 940.00	\$ -
Remove and Reset CB, DI Grate and Frame		EA	\$ 500.00	\$ -
Reconstruct / Adjust Drainage Manholes		EA	\$ 1,000.00	\$ -
Outlet/Inlet Control Structure		EA	\$ 6,100.00	\$ -
Riprap		CY	\$ 64.00	\$ -
Perf Underdrain ≤ 6"		LF	\$ 58.00	\$ -
Perf Underdrain > 6"		LF	\$ 90.00	\$ -
12" RC Pipe - Class III		LF	\$ 125.00	\$ -
15" RC Pipe - Class IV		LF	\$ 140.00	\$ -
18" RC Pipe - Class IV		LF	\$ 156.00	\$ -
24" RC Pipe - Class IV		LF	\$ 204.00	\$ -
30" RC Pipe - Class IV		LF	\$ 240.00	\$ -
36" RC Pipe - Class IV		LF	\$ 285.00	\$ -
48" RC Pipe - Class V		LF	\$ 400.00	\$ -
12" RCP - End Sections		EA	\$ 780.00	\$ -
15" RCP - End Sections		EA	\$ 880.00	\$ -
18" RCP - End Sections		EA	\$ 980.00	\$ -
24" RCP - End Sections		EA	\$ 1,200.00	\$ -
30" RCP - End Sections		EA	\$ 1,300.00	\$ -
36" RCP - End Sections		EA	\$ 1,500.00	\$ -
48" RCP - End Sections		EA	\$ 1,800.00	\$ -
12" Plastic Corrugated/Smooth Pipe		LF	\$ 85.00	\$ -
15" Plastic Corrugated/Smooth Pipe		LF	\$ 98.00	\$ -
18" Plastic Corrugated/Smooth Pipe		LF	\$ 120.00	\$ -
24" Plastic Corrugated/Smooth Pipe		LF	\$ 180.00	\$ -
30" Plastic Corrugated/Smooth Pipe		LF	\$ 200.00	\$ -
36" Plastic Corrugated/Smooth Pipe		LF	\$ 260.00	\$ -
12" Plastic Flared End Sections		EA	\$ 300.00	\$ -
15" Plastic Flared End Sections		EA	\$ 310.00	\$ -
18" Plastic Flared End Sections		EA	\$ 340.00	\$ -
24" Plastic Flared End Sections		EA	\$ 400.00	\$ -
30" Plastic Flared End Sections		EA	\$ 540.00	\$ -
36" Plastic Flared End Sections		EA	\$ 610.00	\$ -
PVC Sewer Gravity Main ≤ 8"		LF	\$ 130.00	\$ -
PVC Sewer Gravity Main > 8"		LF	\$ 180.00	\$ -
PVC Sewer Service Pipe and Fittings		LF	\$ 120.00	\$ -
PVC Sewer Forcemain Pipe ≤ 3"		LF	\$ 36.00	\$ -
PVC Sewer Forcemain Pipe > 3"		LF	\$ 61.00	\$ -
Reconstruct / Adjust Sewer Manholes		EA	\$ 1,000.00	\$ -
Manhole Covers and Frames (Drainage and Sewer)		EA	\$ 1,200.00	\$ -
6" Cement Lined Ductile Iron Water Pipe CL 52		LF	\$ 150.00	\$ -
8" Cement Lined Ductile Iron Water Pipe CL 52		LF	\$ 180.00	\$ -
12" Cement Lined Ductile Iron Water Pipe CL 52		LF	\$ 210.00	\$ -
20" Cement Lined Ductile Iron Water Pipe CL 52		LF	\$ 280.00	\$ -
3/4" Copper Water Pipe		LF	\$ 65.00	\$ -
1" Copper Water Pipe		LF	\$ 84.00	\$ -
2" Copper Water Pipe		LF	\$ 120.00	\$ -
3/4" PE Water Pipe		LF	\$ 45.00	\$ -
1" PE Water Pipe		LF	\$ 81.00	\$ -
2" PE Water Pipe		LF	\$ 100.00	\$ -
Curb Stop w/ Box & Rod		EA	\$ 385.00	\$ -
DI Fittings		LB	\$ 13.80	\$ -

Description	Quantity	Unit	Unit Price	Total
6" Gate Valve		EA	\$ 2,100.00	\$ -
8" Gate Valve		EA	\$ 2,750.00	\$ -
12" Gate Valve		EA	\$ 3,800.00	\$ -
1" Water Service Tap & Corporation		EA	\$ 425.00	\$ -
Chlorine Injection Tap		EA	\$ 1,400.00	\$ -
Hydrant		EA	\$ 6,800.00	\$ -
Subdivision Electrification (Cost from Utility)		LS	\$ -	\$ -
Site Stabilization/Stormwater/Landscaping				
Silt Fence (or equal)		LF	\$ 4.70	\$ -
Storm Water Pollution Prevention Plan (SWPPP)		EA	\$ 5,400.00	\$ -
Monitor SWPPP		HR	\$ 90.00	\$ -
Chain Link/Stockade Fence - 5'		LF	\$ 85.00	\$ -
Permanent Dumpster Pad & Enclosure		EA	\$ 2,900.00	\$ -
New Trees - Deciduous - General		EA	\$ 510.00	\$ -
New Trees - Evergreen Cedar		EA	\$ 510.00	\$ -
Shrubs - Large		EA	\$ 150.00	\$ -
Shrubs - Small		EA	\$ 80.00	\$ -
Rain Garden/Gravel Wetland (Volume of Storage)		CF	\$ 15.30	\$ -
Infiltration/Detention Basin (Volume of Storage)		CF	\$ 8.30	\$ -
Subsurface Infiltration Chamber (Volume of Storage)		CF	\$ 85.60	\$ -
Loam and Seed		SY	\$ 9.50	\$ -
Sod		SY	\$ 9.40	\$ -
Mulch		CY	\$ 80.00	\$ -
Hay Bales - Temporary Erosion Control		LF	\$ 22.00	\$ -
Quality Control				
Physical Testing Laboratory Services		AC	\$ 3,400.00	\$ -
Officers - 4 hr min		HR	\$ 98.00	\$ -
Flagger		HR	\$ 44.00	\$ -
Project Documentation				
As-Built Drawing (\$2,000 min)		LS	\$ -	\$ -
Staking/Monumentation/Record Drawings Prep (\$2,500 Min)		LS	\$ -	\$ -
Site Maintenance				
Site Clean Up (Removal of Construction Materials/Debris)		AC	\$ 6,400.00	\$ -
Clean Out Catch Basins (\$400 Min)		EA	\$ 80.00	\$ -
Dumpster (10 CY - 4 Ton)		WK	\$ 675.00	\$ -
Demolition				
Specialized or Site Specific Demolition (\$1,200 Min)		LS	\$ 1,200.00	\$ -
Specialty Requirements per N.O.D.				
Requirement or Other Cost not Listed Above		LS	\$0.00	\$ -
Mobilization/Demobilization		5% of total		\$ -

Subtotal: \$ -

10% Contingency: \$ -

Performance Guarantee (10% of total cost including 10% contingency): \$ -

Surety = 110% of the Uncompleted Work: \$ -

Notes:

1. The purpose of this document is to create a starting point for developers to determine the site work costs.
2. This estimate may not be fully comprehensive and does not relieve the contractor or developer from obligations necessary to complete work as approved.
3. Unit cost of pipes include cost of excavation and backfill.
4. Prices related to asphalt are volatile. Prices may need to be routinely updated.
5. Unit costs for stormwater detention and treatment based on data from the UNH Stormwater Center's *Subsurface Gravel Wetland Design Specifications*, dated 6/27/16 and EPA Region 1 Memorandum, *Methodology for Developing Cost Estimates for Opti-Tool*, dated 2/20/16. Unit pricing escalated for inflation using the U.S. Bureau of Labor Statistics Price Index Inflation Calculator.