Durham County, North Carolina
Proposed Northern Convenience Site
Final Construction Cost Estimate - 07/15/2020

Item No.	Description	Quantity	Unit	Unit Cost	Total
1	General Conditions, Overhead, Mob/Demob	1	LS	$ 110,000.00	$ 110,000
2	Attendant Building	935	SF	$ 464.47	$ 434,275
	Foundations	*526*	*SF*	*$ 23.05*	*$ 12,122*
	Slab on Grade	*526*	*SF*	*$ 25.95*	*$ 13,649*
	Structure	*526*	*SF*	*$ 54.93*	*$ 28,892*
	Roof Structure	*752*	*SF*	*$ 62.71*	*$ 47,161*
	Exterior Walls	*960*	*SF*	*$ 27.12*	*$ 26,036*
	Exterior Windows	*698*	*SF*	*$ 76.42*	*$ 53,342*
	Exterior Doors	*5*	*EA*	*$ 4,256.20*	*$ 21,281*
	Roofing	*752*	*SF*	*$ 17.18*	*$ 12,916*
	Interior Partitions and Windows	*718*	*SF*	*$ 8.35*	*$ 5,992*
	Interior Doors	*1*	*LS*	*$ 2,015.00*	*$ 2,015*
	Interior Specialties	*935*	*SF*	*$ 2.24*	*$ 2,099*
	Staircases	*1*	*LS*	*$ 36,845.00*	*$ 36,845*
	Finishes	*935*	*SF*	*$ 4.81*	*$ 4,496*
	Plumbing	*935*	*SF*	*$ 19.14*	*$ 17,893*
	HVAC	*935*	*SF*	*$ 26.74*	*$ 24,998*
	Electrical Service & Distribution	*935*	*SF*	*$ 38.61*	*$ 36,100*
	Lighting & Branch Wiring	*935*	*SF*	*$ 57.65*	*$ 53,899*
	Communication & Branch Wiring	*935*	*SF*	*$ 6.29*	*$ 5,885*
	Special Electrical Systems	*1*	*LS*	*$ 1,555.00*	*$ 1,555*
	Equipment & Furnishings	*33*	*LF*	*$ 821.18*	*$ 27,099*
3	Attendant Shelter	125	SF	$ 621.28	$ 77,660
	Foundations	*125*	*SF*	*$ 6.73*	*$ 841*
	Slab on Grade	*125*	*SF*	*$ 26.51*	*$ 3,314*
	Roof Structure	*152*	*SF*	*$ 22.41*	*$ 3,406*
	Exterior Walls	*215*	*SF*	*$ 27.12*	*$ 5,831*
	Exterior Windows	*124*	*SF*	*$ 70.63*	*$ 8,758*
	Exterior Doors	*3*	*EA*	*$ 4,136.67*	*$ 12,410*
	Roofing	*152*	*SF*	*$ 16.14*	*$ 2,453*
	Interior Partitions and Windows	*98*	*SF*	*$ 8.65*	*$ 848*
	Interior Specialties	*125*	*SF*	*$ 5.38*	*$ 673*
	Finishes	*125*	*SF*	*$ 2.63*	*$ 329*
	HVAC	*125*	*SF*	*$ 34.52*	*$ 4,315*
	Electrical Service & Distribution	*125*	*SF*	*$ 156.33*	*$ 19,541*
	Lighting & Branch Wiring	*125*	*SF*	*$ 101.73*	*$ 12,716*
	Communication & Branch Wiring	*125*	*SF*	*$ 11.58*	*$ 1,448*
	Special Electrical Systems	*1*	*LS*	*$ 777.00*	*$ 777*
4	Site Preparation				$ 199,240
	Bahama Restoration	*1*	*LS*	*$ 35,000.00*	*$ 35,000*
	Rougemont Restoration	*1*	*LS*	*$ 25,000.00*	*$ 25,000*
	Misc. Site Work, Demo and Erosion Control	*1*	*LS*	*$ 20,000.00*	*$ 20,000*
	Construction Entrance	*1*	*LS*	*$ 2,650.00*	*$ 2,650*
	Silt Fence	*1200*	*LF*	*$ 2.40*	*$ 2,880*
	Clearing and Grubbing	*3.35*	*AC*	*$ 6,000.00*	*$ 20,100*
	Topsoil Recovery	*1,800*	*CY*	*$ 4.85*	*$ 8,730*
	General Excavation to Fill	*1,680*	*CY*	*$ 9.75*	*$ 16,380*
	General Excavation & Haul Off-site	*1,000*	*CY*	*$ 15.75*	*$ 15,750*
	Rock Excavation	*250*	*CY*	*$ 120.00*	*$ 30,000*
	Sediment Basin Skimmers and Baffles	*1*	*LS*	*$ 4,750.00*	*$ 4,750*
	Topsoil Installation and Fine Grading	*1800*	*CY*	*$ 10.00*	*$ 18,000*
5	Site Improvements				$ 605,915
	Paved Roadway	*4,247*	*SY*	*$ 48.50*	*$ 205,980*
	Gravel Roadway	*1,850*	*SY*	*$ 26.50*	*$ 49,025*
	Turn Lane and Shoulder Full Depth Pavement	*495*	*SY*	*$ 78.50*	*$ 38,823*
	Traffic Control	*1*	*LS*	*$ 10,000.00*	*$ 10,000*
	Pavement Markings	*1*	*LS*	*$ 5,800.00*	*$ 5,800*
	Concrete Pad Stone Bedding	*162*	*CY*	*$ 44.00*	*$ 7,124*
	Concrete Pads	*174*	*CY*	*$ 340.00*	*$ 59,290*

Item No.	Description	Quantity	Unit	Unit Cost	Total
	Canopy Roof Over Oil Area	*1,800*	*SF*	*$ 12.00*	*$ 21,600*
	Concrete Medians	*122*	*LF*	*$ 14.00*	*$ 1,708*
	Entrance Sign	*1*	*LS*	*$ 47,500.00*	*$ 47,500*
	Signage	*1*	*LS*	*$ 24,000.00*	*$ 24,000*
	Wheel Stops	*22*	*EA*	*$ 300.00*	*$ 6,600*
	Concrete Stairs/Sidewalk	*1*	*LS*	*$ 6,300.00*	*$ 6,300*
	15' Bar Gates	*2*	*EA*	*$ 3,250.00*	*$ 6,500*
	6-foot Chain Link Fence	*2,166*	*LF*	*$ 21.00*	*$ 45,486*
	Chain Link Gates	*27*	*LF*	*$ 115.00*	*$ 3,105*
	Electric Cantilever Gate	*1*	*LS*	*$ 9,300.00*	*$ 9,300*
	Bollards	*4*	*EA*	*$ 1,300.00*	*$ 5,200*
	Bike Rack	*2*	*EA*	*$ 350.00*	*$ 700*
	Guardrail	*300*	*LF*	*$ 34.00*	*$ 10,200*
	Landscape Plantings	*1*	*LS*	*$ 37,000.00*	*$ 37,000*
	Seed & Mulch	*1.1*	*AC*	*$ 4,250.00*	*$ 4,675*
5	Stormwater Management				$ 112,737
	Culverts - 12"	*72*	*LF*	*$ 41.00*	*$ 2,952*
	RCP Drain Line - 18"	*228*	*LF*	*$ 112.00*	*$ 25,536*
	Level Spreader	*30*	*LF*	*$ 340.00*	*$ 10,200*
	Bioretention Basin Outlet Structures	*2*	*LS*	*$ 5,600.00*	*$ 11,200*
	Bioretention Basin Media	*370*	*CY*	*$ 48.50*	*$ 17,963*
	IWS System	*150*	*CY*	*$ 64.00*	*$ 9,600*
	Basin Fine Grading	*1*	*LS*	*$ 10,000.00*	*$ 10,000*
	Stormwater Swales	*622*	*LF*	*$ 15.00*	*$ 9,336*
	Sod in Bioretention Area	*5,500*	*SF*	*$ 2.90*	*$ 15,950*
6	Site Water/Sewer				$ 106,850
	Septic System	*1*	*LS*	*$ 23,500.00*	*$ 23,500*
	Drilled Well and Water Supply	*1*	*LS*	*$ 19,500.00*	*$ 19,500*
	Yard Hydrants and Piping	*1*	*LS*	*$ 2,350.00*	*$ 2,350*
	Leachate Storage Tank & Collection	*1*	*LS*	*$ 40,000.00*	*$ 40,000*
	Oil Spill Storage Tank & Collection	*1*	*LS*	*$ 21,500.00*	*$ 21,500*
7	Site Electrical Utilities				$ 374,853
	Electrical Service and Feeders	*1*	*LS*	*$ 101,000.00*	*$ 101,000*
	Compactor Electrical Service	*1*	*LS*	*$ 32,063.00*	*$ 32,063*
	Site Lighting	*1*	*LS*	*$ 161,450.00*	*$ 161,450*
	Security & Communications	*1*	*LS*	*$ 80,340.00*	*$ 80,340*
9	Convenience Center Drop Off Area				$ 334,203
	Retaining Wall Excavation & Haul Off-Site	*525*	*CY*	*$ 16.25*	*$ 8,531*
	Retaining Wall Footings	*136*	*CY*	*$ 536.00*	*$ 72,896*
	Retaining Wall	*106*	*CY*	*$ 845.00*	*$ 89,820*
	Retaining Wall Stone Bedding/Backfill	*140*	*CY*	*$ 58.00*	*$ 8,120*
	Structural Fill Behind Wall	*500*	*CY*	*$ 33.00*	*$ 16,500*
	Canopy Roof Over Containers	*1,965*	*SF*	*$ 41.00*	*$ 80,565*
	Concrete Pads at Retaining Wall	*86*	*CY*	*$ 430.00*	*$ 36,944*
	Steel Runners	*356*	*LF*	*$ 58.50*	*$ 20,826*
10	Compaction Equipment				$ 121,000
	Pre-Crusher & Hopper	*1*	*LS*	*$ 53,000.00*	*$ 53,000*
	Compactor & Hoppers	*1*	*LS*	*$ 68,000.00*	*$ 68,000*

Total Construction Cost:	$ 2,476,733
Construction Engineering:	$ 186,505
Construction Phase Contingency (5%):	$ 133,162
TOTAL:	**$ 2,796,399**

Notes:

1. Costs include consideration for non-competitive market conditions, General Contractor home office expenses, General Contractor Profit, fees and permits, Subcontractor OH&P, bonds and escalation to mid point of construction.
2. GC markup not applied to compaction equipment as this is anticipated to be procured separate from construction project.