

**Grafton High School - Grafton, MA**

**Schematic Design - Proposed Total Project Budget**

**December 17, 2009**

District: Grafton, MA  
 Proposed Project: Grafton High School

**Estimated Costs**

1000	0000	ADMINISTRATION			
101	0000	Legal Fees			
102	0000	Owner's Project Manager		\$	1,713,536
		0200	Feasibility Study	\$	80,000
		0300	Schematic Design	\$	60,000
		0400	Design Development		
		0500	Construction Contract Documents	\$	317,000
		0600	Bidding		
		0700	Construction Contract Administration	\$	1,242,500
		0800	Cost Estimates	\$	14,036
103	0000	Advertising and Printing		\$	60,000
104	0000	Permit Fees		\$	-
105	0000	Owner's Insurance			n/a
199	0000	Other Administrative Costs		\$	27,964
				<b>Subtotal:</b>	<b>1,801,500</b>

2000	0000	ARCHITECTURE & ENGINEERING			
201	0000	Basic Services		\$	5,050,000
		0100	Programming		n/a
		0200	Feasibility Study	\$	122,000
		0300	Schematic Design	\$	218,000
		0400	Design Development	\$	1,276,000
		0500	Construction Contract Documents	\$	1,767,500
		0600	Bidding	\$	151,500
		0700	Construction Contract Administration	\$	1,515,000
		0800	Closeout		
		9900	Other Basic Services	\$	-
202	0000	Extra Services			
		0100	Programmatic Changes		see Misc. Proj. costs
		0200	Construction Change Orders		see Owner Contingency
203	0000	Reimbursible Services		\$	-
		0100	Construction Testing (Forensics)		see Misc. Proj. costs
		0200	Printing (over minimum)		see A/E basic services
		0300	Other Reimbursable Costs		see A/E basic services
204	0000	Subconsultants (not in Basic Services)			
		0100	Civil Engineering		see A/E basic services
		0200	Hazardous Materials (inc. monitoring)	\$	50,000
		0300	Geotechnical (monitoring)	\$	90,000
		0400	Site Survey	\$	28,375
		0500	Wetlands	\$	7,950
		0600	Landscaping		see A/E basic services
		0700	Technology		see A/E basic services
		0800	Equipment		see A/E basic services
		0900	Acoustical		see A/E basic services
		1000	Food Service		see A/E basic services
		1100	Cost Consultants		see A/E basic services

		1200	Traffic Consultants; Environmental Permitting	\$	14,900
		1300	Commissioning		MSBA to provide
		9900	Other Consultants; Additional Services	\$	33,775
<b>Subtotal:</b>					<b>5,275,000</b>

<b>300</b>	<b>0000</b>	<b>SITE ACQUISITION</b>			
301	0000	Land/Building Purchase			\$ -
302	0000	Appraisal Fees			\$ -
303	0000	Recording Fees			\$ -
<b>Subtotal</b>					<b>\$ -</b>

<b>500</b>	<b>0000</b>	<b>CONSTRUCTION COSTS</b>			
501	0000	Pre-Construction Services			
502	0000	Construction Costs			\$57,444,992
		<b>A</b>	<b>Substructure</b>		
		A10	Foundations		
			A1010	Standard Foundations	\$ 987,477
			A1030	Slab on Grade	\$ 879,991
		<b>B</b>	<b>Shell</b>		
		B10	Superstructure		
			B1010	Floor Construction	\$ 2,033,384
			B1020	Roof Construction	\$ 3,078,392
		B20	Exterior Enclosure		
			B2010	Exterior Walls	\$ 4,549,518
			B2020	Exterior Windows	\$ 2,060,244
			B2030	Exterior Doors	\$ 62,750
		B30	Roofing		
			B3010	Roof Coverings	\$ 1,522,945
			B3020	Roof Openings	\$ 206,300
		<b>C</b>	<b>Interiors</b>		
		C10	Interior Construction		
			C1010	Partitions	\$ 3,145,846
			C1020	Interior Doors	\$ 661,845
			C1030	Fittings	\$ 1,243,270
		C20	Staircases		
			C2010	Stair Construction	\$ 120,500
			C2030	Stair Finishes	\$ 71,800
		C30	Interior Finishes		
			C3010	Wall Finishes	\$ 1,491,773
			C3020	Floor Finishes	\$ 1,128,724
			C3030	Ceiling Finishes	\$ 1,076,929
		<b>D</b>	<b>Services</b>		
		D10	Conveying Systems		\$ 105,000
		D20	Plumbing		\$ 1,471,910
		D30	HVAC		\$ 5,687,035
		D40	Fire Protection		\$ 887,775
		D50	Electrical		\$ 4,644,191
		<b>E</b>	<b>Equipment &amp; Furnishings</b>		
		E10	Equipment		\$ 942,000
		E20	Furnishings		\$ 1,408,183
		<b>F</b>	<b>Special Construction and Demolition</b>		
		F20	Special Construction & Demolition		\$ -
			Special Construction		\$ -
			Selective Building Demolition		\$ 75,212

			In Building Hazardous Material Abatement	\$	-
			Asbestos Containing Floor Material Abatement	\$	-
			Other Hazardous Material Abatement	\$	-
	<b>G</b>	<b>Building and Site Work</b>			
		<b>G10</b>	Site Preparation (Earthwork)	\$	1,726,515
		<b>G20</b>	Site Improvements	\$	3,547,657
		<b>G30</b>	Site Civil/ Mechanical Utilities	\$	1,326,298
		<b>G40</b>	Site Electrical Utilities	\$	172,128
		<b>G90</b>	Other Site Construction	\$	-
<b>Direct Cost Subtotal</b>					<b>\$46,315,592</b>
<b>Indirect Construction Costs</b>					
			General Conditions	\$	1,768,000
			Overhead & Profit	\$	1,923,344
			Sub-Contractor Bonds	\$	694,734
			Contingencies (Design & Pricing)	\$	5,070,167
			Escalation to Mid-Point of Construction	\$	1,673,155
<b>Indirect Cost Subtotal</b>				<b>\$</b>	<b>11,129,400</b>
<b>Construction Costs Subtotal</b>					<b>\$57,444,992</b>
<b>CONSTRUCTION CONTINGENCY</b>					
			CM Pre Construction Fee	\$	100,000
			Construction Contingency (5%)	\$	2,872,250
<b>Construction Costs Including Contingency</b>					<b>\$60,417,242</b>
<b>ALTERNATES</b>					
			Rain Water Harvesting	\$	400,000
			Artificial Turf Football Field	\$	853,279
			Green Roof Structure	\$	260,377
<b>Subtotal - Alternates</b>				<b>\$</b>	<b>1,513,656</b>
<b>600 MISCELLANEOUS PROJECT COSTS</b>					
601	0000		Utility Company Fees	\$	20,000
602	0000		Testing Services	\$	100,000
603	0000		Swing Space/Modulars	\$	-
609	0000		Other Project Costs (inc Structural Peer Review)	\$	30,000
<b>Subtotal</b>				<b>\$</b>	<b>150,000</b>
<b>700 FURNISHINGS &amp; EQUIPMENT</b>					
701	0000		Furnishings (inc Maintenance Equip, Library Books)	\$	1,620,000
702	0000		Maintenance Equipment		see above
703	0000		Computer Equipment	\$	1,620,000
<b>Subtotal</b>				<b>\$</b>	<b>3,240,000</b>
<b>800 OWNER'S CONTINGENCY</b>					
801	0000		Owner's Contingency	\$	700,000
<b>Subtotal</b>				<b>\$</b>	<b>700,000</b>
<b>PROJECT TOTAL:</b>				<b>\$</b>	<b>73,097,398</b>