

Fox Hill Elementary School
Burlington, MA

June 21, 2023

PDP ESTIMATE
GRAND SUMMARY

	<u>chptr 149 a</u> <u>CM @ RISK</u>	<u>COST</u> <u>PER SF</u>	<u>chptr 149</u> <u>Desing/Bid</u>	<u>ADD</u> <u>GEO THERMAL</u>
OPTION 1 BASE REPAIR	\$39,394,562	\$611.72	\$36,636,943	N/A
OPTION 2 RENOVATION ADDITION - 325	\$85,253,800	\$840.77	\$79,286,034	\$5,868,000
OPTION 3A NEW 3 STORY - 325	\$81,736,870	\$898.21	\$76,015,289	\$5,712,000
OPTION 3B NEW 3 STORY - 325	\$82,292,494	\$904.31	\$76,532,020	\$5,712,000
OPTION 3C NEW 2 STORY - 325	\$85,822,801	\$943.11	\$79,815,205	\$5,712,000
OPTION 3D NEW 2 STORY - 325	\$86,132,868	\$946.52	\$80,103,567	\$5,712,000
OPTION 5 RENOVATION ADDITION - 640	\$121,362,971	\$777.97	\$112,867,563	\$9,792,000
OPTION 6A NEW 3 STORY - 640	\$122,667,012	\$791.40	\$114,080,321	\$9,777,000
OPTION 6B NEW 3 STORY - 640	\$122,448,619	\$789.99	\$113,877,216	\$9,777,000
OPTION 7 RENOVATION ADDITION - 640	\$121,852,373	\$743.00	\$113,322,707	\$9,912,000
OPTION 8 NEW 3 STORY - 640	\$119,445,763	\$778.66	\$111,084,560	\$9,753,000
OPTION 9 NEW 3 STORY - 325	\$74,746,381	\$900.56	\$69,514,134	\$5,592,000

PV SYSTEM PROVIDED BY OTHERS

PDP
Fox Hill Elementary School
Burlington, MA

21-Jun-23

Designer: DiNisco Design Architects + Planners, Inc.

OPTION 1 BASE REPAIR

	GSF	COST	COST PER S.F.	TOTAL
RENOVATION	64,400	GSF	\$319.41	\$20,570,000
HAZARDOUS WASTE				\$1,319,700
SITework	1	LS		\$1,946,965
TEMPORARY CLASSROOM				NIC
TOTAL DIRECT COST				----- \$23,836,665
CM CHPTR 149A BID				
GENERAL CONDITIONS	24	mos	\$165,000	\$3,960,000
GENERAL REQUIREMENTS		2.5%		\$694,917
BUILDING PERMIT	waived	0%		\$0
P&P BOND & INSURANCE		2%		\$569,832
PROFIT		2.5%		\$726,535
DESIGN CONTINGENCY		15%		\$4,468,192
CM CONTINGENCY		3%		\$1,027,684
ESCALATION (winter 2026)		12%		\$4,110,737
TOTAL COST				----- \$39,394,562
COST PER SF				\$611.72

PDP
Fox Hill Elementary School
Burlington, MA

21-Jun-23

Designer: DiNisco Design Architects + Planners, Inc.

OPTION 2 RENOVATION ADDITION - 325

	GSF	COST	COST PER S.F.	TOTAL
ADDITION	76,400	GSF	\$443.32	\$33,869,648
RENOVATION	25,000	GSF	\$319.41	\$7,985,248
DEMOLITION	39,400	GSF	\$10	\$394,000
HAZARDOUS WASTE				\$1,319,700
SITework	1	LS		\$9,656,186
TEMPORARY CLASSROOM				NIC
TOTAL DIRECT COST				----- \$53,224,782
CM CHPTR 149A BID				
GENERAL CONDITIONS	42	mos	\$165,000	\$6,930,000
GENERAL REQUIREMENTS		2.5%		\$1,503,870
BUILDING PERMIT	waived	0%		\$0
P&P BOND & INSURANCE		2%		\$1,233,173
PROFIT		2.5%		\$1,572,296
DESIGN CONTINGENCY		15%		\$9,669,618
CM CONTINGENCY		3%		\$2,224,012
ESCALATION (winter 2026)		12%		\$8,896,049
TOTAL COST				----- \$85,253,800
			COST PER SF	\$840.77

PDP
Fox Hill Elementary School
Burlington, MA

21-Jun-23

Designer: DiNisco Design Architects + Planners, Inc.

OPTION 3A NEW 3 STORY - 325

	GSF	COST	COST PER S.F.	TOTAL
NEW CONSTRUCTION	91,000		\$443.32	\$40,342,120
DEMOLITION	64,400	GSF	\$10	\$644,000
HAZARDOUS WASTE				\$1,319,700
SITWORK	1	LS		\$10,747,429
TEMPORARY CLASSROOM				NIC
TOTAL DIRECT COST				----- \$53,053,249
CM CHPTR 149A BID				
GENERAL CONDITIONS	28	mos	\$165,000	\$4,620,000
GENERAL REQUIREMENTS		2.5%		\$1,441,831
BUILDING PERMIT	waived	0%		\$0
P&P BOND & INSURANCE		2%		\$1,182,302
PROFIT		2.5%		\$1,507,435
DESIGN CONTINGENCY		15%		\$9,270,723
CM CONTINGENCY		3%		\$2,132,266
ESCALATION (winter 2026)		12%		\$8,529,065
TOTAL COST				----- \$81,736,870
COST PER SF				\$898.21

PDP
Fox Hill Elementary School
Burlington, MA

21-Jun-23

Designer: DiNisco Design Architects + Planners, Inc.

OPTION 3B NEW 3 STORY - 325

	GSF	COST	COST PER S.F.	TOTAL
NEW CONSTRUCTION	91,000		\$443.32	\$40,342,120
DEMOLITION	64,400	GSF	\$10	\$644,000
HAZARDOUS WASTE				\$1,319,700
SITework	1	LS		\$11,139,476
TEMPORARY CLASSROOM				NIC
TOTAL DIRECT COST				\$53,445,296
CM CHPTR 149A BID				
GENERAL CONDITIONS	28	mos	\$165,000	\$4,620,000
GENERAL REQUIREMENTS		2.5%		\$1,451,632
BUILDING PERMIT	waived	0%		\$0
P&P BOND & INSURANCE		2%		\$1,190,339
PROFIT		2.5%		\$1,517,682
DESIGN CONTINGENCY		15%		\$9,333,742
CM CONTINGENCY		3%		\$2,146,761
ESCALATION (winter 2026)		12%		\$8,587,043
TOTAL COST				\$82,292,494
COST PER SF				\$904.31

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21-Jun-23

Designer: DiNisco Design Architects + Planners, Inc.

OPTION 3C NEW 2 STORY - 325

	GSF	COST	COST PER S.F.	TOTAL
NEW CONSTRUCTION	91,000		\$473.10	\$43,051,730
DEMOLITION	64,400	GSF	\$10.00	\$644,000
HAZARDOUS WASTE				\$1,319,700
SITWORK	1	LS		\$10,920,837
TEMPORARY CLASSROOM				NIC
TOTAL DIRECT COST				\$55,936,268
CM CHPTR 149A BID				
GENERAL CONDITIONS	28	mos	\$165,000	\$4,620,000
GENERAL REQUIREMENTS		2.5%		\$1,513,907
BUILDING PERMIT	waived	0%		\$0
P&P BOND & INSURANCE		2%		\$1,241,403
PROFIT		2.5%		\$1,582,789
DESIGN CONTINGENCY		15%		\$9,734,155
CM CONTINGENCY		3%		\$2,238,856
ESCALATION (winter 2026)		12%		\$8,955,423
TOTAL COST				\$85,822,801
COST PER SF				\$943.11

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21-Jun-23

Designer: DiNisco Design Architects + Planners, Inc.

OPTION 3D NEW 2 STORY - 325

	GSF	COST	COST PER S.F.	TOTAL
NEW CONSTRUCTION	91,000		\$473.10	\$43,051,730
DEMOLITION	64,400	GSF	\$10.00	\$644,000
HAZARDOUS WASTE				\$1,319,700
SITWORK	1	LS		\$11,139,620
TEMPORARY CLASSROOM				NIC
TOTAL DIRECT COST				\$56,155,050
CM CHPTR 149A BID				
GENERAL CONDITIONS	28	mos	\$165,000	\$4,620,000
GENERAL REQUIREMENTS		2.5%		\$1,519,376
BUILDING PERMIT	waived	0%		\$0
P&P BOND & INSURANCE		2%		\$1,245,889
PROFIT		2.5%		\$1,588,508
DESIGN CONTINGENCY		15%		\$9,769,323
CM CONTINGENCY		3%		\$2,246,944
ESCALATION (winter 2026)		12%		\$8,987,778
TOTAL COST				\$86,132,868
COST PER SF				\$946.52

PDP
Fox Hill Elementary School
Burlington, MA

21-Jun-23

Designer: DiNisco Design Architects + Planners, Inc.

OPTION 5 RENOVATION ADDITION - 640

	GSF	COST	COST PER S.F.	TOTAL
ADDITION	131,000	GSF	\$443.32	\$58,074,920
RENOVATION	25,000	GSF	\$319	\$7,985,248
DEMOLITION	39,400	GSF	\$10	\$394,000
HAZARDOUS WASTE				\$1,319,700
SITework	1	LS		\$9,939,419
TEMPORARY CLASSROOM				NIC
TOTAL DIRECT COST				----- \$77,713,287
CM CHPTR 149A BID				
GENERAL CONDITIONS	48	MOS	\$165,000	\$7,920,000
GENERAL REQUIREMENTS		2.5%		\$2,140,832
BUILDING PERMIT	waived	0%		\$0
P&P BOND & INSURANCE		2%		\$1,755,482
PROFIT		2.5%		\$2,238,240
DESIGN CONTINGENCY		15%		\$13,765,176
CM CONTINGENCY		3%		\$3,165,991
ESCALATION (winter 2026)		12%		\$12,663,962
TOTAL COST				----- \$121,362,971
COST PER SF				\$777.97

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Fox Hill Elementary School
Burlington, MA

21-Jun-23

Designer: DiNisco Design Architects + Planners, Inc.

OPTION 6A NEW 3 STORY - 640

	GSF	COST	COST PER S.F.	TOTAL
NEW CONSTRUCTION	155,000		\$443.32	\$68,714,600
DEMOLITION	64,400	GSF	\$10	\$644,000
HAZARDOUS WASTE				\$1,319,700
SITework	1	LS		\$10,925,114
TEMPORARY CLASSROOM				NIC
TOTAL DIRECT COST				\$81,603,414
CM CHPTR 149A BID				
GENERAL CONDITIONS	30	mos	\$165,000	\$4,950,000
GENERAL REQUIREMENTS		2.5%		\$2,163,835
BUILDING PERMIT	waived	0%		\$0
P&P BOND & INSURANCE		2%		\$1,774,345
PROFIT		2.5%		\$2,262,290
DESIGN CONTINGENCY		15%		\$13,913,083
CM CONTINGENCY		3%		\$3,200,009
ESCALATION (winter 2026)		12%		\$12,800,036
TOTAL COST				\$122,667,012
COST PER SF				\$791.40

PDP
Fox Hill Elementary School
Burlington, MA

21-Jun-23

Designer: DiNisco Design Architects + Planners, Inc.

OPTION 6B NEW 3 STORY - 640

	GSF	COST	COST PER S.F.	TOTAL
NEW CONSTRUCTION	155,000		\$443.32	\$68,714,600
DEMOLITION	64,400	GSF	\$10	\$644,000
HAZARDOUS WASTE				\$1,319,700
SITWORK	1	LS		\$10,771,017
TEMPORARY CLASSROOM				NIC
TOTAL DIRECT COST				----- \$81,449,317
CM CHPTR 149A BID				
GENERAL CONDITIONS	30	mos	\$165,000	\$4,950,000
GENERAL REQUIREMENTS		2.5%		\$2,159,983
BUILDING PERMIT	waived	0%		\$0
P&P BOND & INSURANCE		2%		\$1,771,186
PROFIT		2.5%		\$2,258,262
DESIGN CONTINGENCY		15%		\$13,888,312
CM CONTINGENCY		3%		\$3,194,312
ESCALATION (winter 2026)		12%		\$12,777,247
TOTAL COST				----- \$122,448,619
COST PER SF				\$789.99

PDP
Fox Hill Elementary School
Burlington, MA

21-Jun-23

Designer: DiNisco Design Architects + Planners, Inc.

OPTION 7 RENOVATION ADDITION - 640

	GSF	COST	COST PER S.F.	TOTAL
ADDITION	124,000	GSF	\$443.32	\$54,971,680
RENOVATION	40,000	GSF	\$319	\$12,776,398
DEMOLITION	17,500	GSF	\$10	\$175,000
HAZARDOUS WASTE				\$1,600,000
SITWORK	1	LS		\$8,535,531
TEMPORARY CLASSROOM				NIC
TOTAL DIRECT COST				----- \$78,058,608
CM CHPTR 149A BID				
GENERAL CONDITIONS	48	mos	\$165,000	\$7,920,000
GENERAL REQUIREMENTS		2.5%		\$2,149,465
BUILDING PERMIT	waived	0%		\$0
P&P BOND & INSURANCE		2%		\$1,762,561
PROFIT		2.5%		\$2,247,266
DESIGN CONTINGENCY		15%		\$13,820,685
CM CONTINGENCY		3%		\$3,178,758
ESCALATION (winter 2026)		12%		\$12,715,030
TOTAL COST				----- \$121,852,373
COST PER SF				\$743.00

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Fox Hill Elementary School
Burlington, MA

21-Jun-23

Designer: DiNisco Design Architects + Planners, Inc.

OPTION 8 NEW 3 STORY - 640

	GSF	COST	COST PER S.F.	TOTAL
NEW CONSTRUCTION	153,400	GSF	\$443.32	\$68,005,288
DEMOLITION	57,500	GSF	\$10	\$575,000
HAZARDOUS WASTE				\$1,600,000
SITework	1	LS		\$9,150,224
TEMPORARY CLASSROOM				NIC
TOTAL DIRECT COST				\$79,330,512
CM CHPTR 149A BID				
GENERAL CONDITIONS	30	mos	\$165,000	\$4,950,000
GENERAL REQUIREMENTS		2.5%		\$2,107,013
BUILDING PERMIT	waived	0%		\$0
P&P BOND & INSURANCE		2%		\$1,727,751
PROFIT		2.5%		\$2,202,882
DESIGN CONTINGENCY		15%		\$13,547,724
CM CONTINGENCY		3%		\$3,115,976
ESCALATION (winter 2026)		12%		\$12,463,906
TOTAL COST				\$119,445,763
COST PER SF				\$778.66

PDP
Fox Hill Elementary School
Burlington, MA

21-Jun-23

Designer: DiNisco Design Architects + Planners, Inc.

OPTION 9 NEW 3 STORY - 325

	GSF	COST	COST PER S.F.	TOTAL
NEW CONSTRUCTION	83,000	GSF	\$443.32	\$36,795,560
DEMOLITION	57,500	GSF	\$10	\$575,000
HAZARDOUS WASTE				\$1,600,000
SITWORK	1	LS		\$9,150,224
TEMPORARY CLASSROOM				NIC
TOTAL DIRECT COST				\$48,120,784
CM CHPTR 149A BID				
GENERAL CONDITIONS	28	mos	\$165,000	\$4,620,000
GENERAL REQUIREMENTS		2.5%		\$1,318,520
BUILDING PERMIT	waived	0%		\$0
P&P BOND & INSURANCE		2%		\$1,081,186
PROFIT		2.5%		\$1,378,512
DESIGN CONTINGENCY		15%		\$8,477,850
CM CONTINGENCY		3%		\$1,949,906
ESCALATION (winter 2026)		12%		\$7,799,622
TOTAL COST				\$74,746,381
COST PER SF				\$900.56

PROJECT: Fox Hill Elementary School
 LOCATION: Burlington, MA
 CLIENT: DiNisco Design
 DATE: 21-Jun-23

SUMMARY

No.: 18021

ESTIMATE TOTAL	OPT 2 RENO/ADD ESTIMATE TOTAL	OPT 3A RENO/ADD ESTIMATE TOTAL	OPT 3B NEW 3 STORY ESTIMATE TOTAL	
G. BUILDING SITEWORK				
G10 - SITE PREPARATION				
G1010 SITE CLEARING	\$127,500	\$457,102	\$464,837	\$513,244
G1020 SITE DEMOLITION & RELOCATIONS	\$116,550	\$334,782	\$338,985	\$365,174
G1030 SITE EARTHWORK	\$56,000	\$1,317,841	\$1,356,213	\$1,520,341
G20 - SITE IMPROVEMENTS				
G2010 ROADWAYS	\$473,560	\$1,158,407	\$1,078,166	\$1,162,584
G2030 PEDESTRIAN PAVING	\$64,275	\$568,880	\$1,319,531	\$993,094
G2040 SITE DEVELOPMENT	\$1,034,080	\$2,093,861	\$2,338,315	\$2,395,877
G2050 LANDSCAPING	\$0	\$1,308,231	\$1,365,610	\$1,583,142
G30 - SITE MECHANICAL UTILITIES				
G3010 WATER SUPPLY	\$0	\$352,836	\$379,400	\$304,000
G3020 SANITARY SEWER	\$0	\$243,185	\$175,145	\$318,995
G3030 STORM SEWER	\$0	\$1,214,472	\$1,349,670	\$1,274,508
G3060 FUEL DISTRIBUTION	\$0	\$0	\$0	\$0
G40 - SITE ELECTRICAL UTILITIES				
G4010 ELECTRICAL DISTRIBUTION	\$0	\$383,670	\$312,390	\$463,090
G4020 SITE LIGHTING	\$75,000	\$222,918	\$269,168	\$245,427
TOTAL DIRECT COST	\$1,946,965	\$9,656,186	\$10,747,429	\$11,139,476

DESCRIPTION	UNIT COST	UNIT	Opt 1 & 4 CODE (325)		Opt 2 RENO ADD (325)		Opt 3A 3 STORY (325)		Opt 3B 3 STORY (325)	
			QUANTITY	TOTAL	QUANTITY	TOTAL	QUANTITY	TOTAL	QUANTITY	TOTAL
G. BUILDING SITEWORK										
G10 - SITE PREPARATION										
G1010 SITE CLEARING										
<u>311000 SITE PREPARATION & CLEARING</u>										
Construction fence	16.00	LF	1,500	\$24,000	3,900	\$62,400	3,861	\$61,776	4,040	\$64,640
Construction entrance pad	15.00	SF	1,500	\$22,500	1,500	\$22,500	1,500	\$22,500	1,500	\$22,500
Construction gates	1,000.00	EA	1	\$1,000	1	\$1,000	1	\$1,000	1	\$1,000
Clear and Grub	0.20	SF	200,000	\$40,000	634,274	\$126,855	649,389	\$129,878	731,614	\$146,323
Strip and stack 6" avg. top soil	11.00	CY			11,746	\$129,206	12,025	\$132,275	13,549	\$149,039
Protect stockpile	10,000.00	LS			1	\$10,000	1	\$10,000	1	\$10,000
Protect tree	10,000.00	LS	1	\$10,000	1	\$10,000	1	\$10,000	1	\$10,000
General Site Prep	0.15	SF	200,000	\$30,000	634,274	\$95,141	649,389	\$97,408	731,614	\$109,742
				-----		-----		-----		-----
				\$127,500		\$457,102		\$464,837		\$513,244
G1020 SITE DEMOLITION & RELOCATIONS										
Erosion control	8.50	LF	1,200	\$10,200	3,900	\$33,150	3,861	\$32,819	4,040	\$34,340
Inlet Protection	110.00	EA	35	\$3,850	35	\$3,850	35	\$3,850	35	\$3,850
Erosion Control Maintance	7,500.00	LS	1	\$7,500	1	\$7,500	1	\$7,500	1	\$7,500
Misc. Site Removal	0.30	SF	200,000	\$60,000	634,274	\$190,282	649,389	\$194,817	731,614	\$219,484
Temporary Measures:										
Temp Sediment basin	15,000.00	LS			1	\$15,000	1	\$15,000	1	\$15,000
Temporary Parking and Access	50,000.00	LS			1	\$50,000	1	\$50,000	1	\$50,000
Phasing logistics	35,000.00	LS	1	\$35,000	1	\$35,000	1	\$35,000	1	\$35,000
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				\$116,550		\$334,782		\$338,985		\$365,174
G1030 SITE EARTHWORK										
<u>310000 EARTHWORK</u>										
Site Grading	2.50	SY			70,474	\$176,185	72,154	\$180,385	81,290	\$203,225
Site Cut to fill	28.00	CY	2,000	\$56,000	23,492	\$657,776	24,051	\$673,428	27,097	\$758,716
Site Fill - Import	28.00	CY			10,000	\$280,000	10,000	\$280,000	12,000	\$336,000
Site Fill -Bldg removal fill	10.00	CY			2,888	\$28,880	4,740	\$47,400	4,740	\$47,400
Replace Unsuitable Mat'l	70.00	CY			2,500	\$175,000	2,500	\$175,000	2,500	\$175,000
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				\$56,000		\$1,317,841		\$1,356,213		\$1,520,341
TOTAL G10 - SITE PREPARATION				\$300,050		\$2,109,725		\$2,160,035		\$2,398,759
G20 - SITE IMPROVEMENTS										
G2010 ROADWAYS										
<u>321000 PAVING AND CURBING</u>										
Bituminous - Drive and parking	\$5.20	SF	50,000	\$260,000	108,458	\$563,982	99,104	\$515,341	104,485	\$543,322
12" Gravel base @ vehicular pave.	\$60.00	CY	1,851	\$111,060	4,017	\$241,020	3,671	\$220,260	3,870	\$232,200
Granite Curbing - road/drop off	\$53.00	LF	1,500	\$79,500	5,837	\$309,361	5,696	\$301,888	6,499	\$344,447
Curb cut /St. patch @ entry drive	\$5,000.00	LOC	1	\$5,000	1	\$5,000	1	\$5,000	1	\$5,000
Parking/traffic signage	\$0.12	SF	50,000	\$6,000	108,458	\$13,015	99,104	\$11,892	104,485	\$12,538
Parking line panting & markings	\$0.24	SF	50,000	\$12,000	108,458	\$26,030	99,104	\$23,785	104,485	\$25,076
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				\$473,560		\$1,158,407		\$1,078,166		\$1,162,584
G2030 PEDESTRIAN PAVING										
<u>321000 PAVING AND CURBING</u>										
4" Concrete Pavement	\$11.00	SF	5,000	\$55,000	23,074	\$253,814	34,834	\$383,174	19,962	\$219,582
Bit Play Surface	\$10.00	SF			13,999	\$139,990	31,560	\$315,600	27,944	\$279,440
Unit Entry Paver	\$36.00	SF			3,081	\$110,916	13,947	\$502,092	11,227	\$404,172
8" Gravel base @ ped. pavement	\$55.00	CY	125	\$6,875	992	\$54,560	1,983	\$109,065	1,460	\$80,300
Tactile warning paver	\$1,200.00	EA	2	\$2,400	8	\$9,600	8	\$9,600	8	\$9,600
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DESCRIPTION	UNIT COST	UNIT	Opt 1 & 4 CODE (325)		Opt 2 RENO ADD (325)		Opt 3A 3 STORY (325)		Opt 3B 3 STORY (325)	
			QUANTITY	TOTAL	QUANTITY	TOTAL	QUANTITY	TOTAL	QUANTITY	TOTAL
				\$64,275		\$568,880		\$1,319,531		\$993,094
G2040 SITE DEVELOPMENT										
<u>323000 SITE IMPROVEMENTS</u>										
Play Area :										
Under drain system	\$1.00	SF	12,000	\$12,000	12,000	\$12,000	12,000	\$12,000	12,000	\$12,000
Resilient play surface	\$27.00	SF	12,000	\$324,000	12,000	\$324,000	12,000	\$324,000	12,000	\$324,000
8" Gravel Base	\$55.00	CY	296	\$16,280	296	\$16,280	296	\$16,280	296	\$16,280
Perim. curb	\$55.00	LF	542	\$29,810	542	\$29,810	542	\$29,810	542	\$29,810
Decorative metal fencing	\$145.00	LF	542	\$78,590	542	\$78,590	542	\$78,590	542	\$78,590
5'W Gate @ decorative metal fencing	\$4,200.00	EA	2	\$8,400	2	\$8,400	2	\$8,400	2	\$8,400
Play Equipment - allow	\$500,000.00	LS	1	\$500,000	1	\$500,000	1	\$500,000	1	\$500,000
Softball Field										
12" Drainage Layer	\$58.00	CY			3,110	\$180,380	3,110	\$180,380	3,110	\$180,380
Perf Sub Drain	\$0.85	SF			83,862	\$71,283	83,862	\$71,283	83,862	\$71,283
Softball Clay Infield	\$5.25	SF			15,400	\$80,850	15,400	\$80,850	15,400	\$80,850
Backstop	\$30,000.00	EA			2	\$60,000	2	\$60,000	2	\$60,000
Player Bench w/ Conc Pad	\$15,000.00	EA			4	\$60,000	4	\$60,000	4	\$60,000
CL Fencing	\$74.00	LF			800	\$59,200	800	\$59,200	800	\$59,200
CL Gate sgl	\$3,800.00	EA			8	\$30,400	8	\$30,400	8	\$30,400
Foul Pole	\$7,250.00	EA			4	\$29,000	4	\$29,000	4	\$29,000
Field lighting	n/a									
Athletic Fields:										
12" Drainage Layer	\$58.00	CY					2,973	\$172,434	3,430	\$198,940
Perf Sub Drain	\$0.85	SF					80,283	\$68,241	92,636	\$78,741
Outdoor Learning										
Dumpster pad and enclosure	\$20,000.00	LS			1	\$20,000	1	\$20,000	1	\$20,000
Trash Receptacle	\$2,100.00	EA			4	\$8,400	4	\$8,400	4	\$8,400
Flag pole	\$11,500.00	EA			1	\$11,500	1	\$11,500	1	\$11,500
Benches	\$3,000.00	EA	5	\$15,000	12	\$36,000	12	\$36,000	12	\$36,000
Decorative bollard	\$2,600.00	EA			40	\$104,000	40	\$104,000	40	\$104,000
Utility Bollard	\$1,500.00	EA			20	\$30,000	20	\$30,000	20	\$30,000
Bike Loop	\$850.00	EA			12	\$10,200	12	\$10,200	12	\$10,200
Site sign	\$25,000.00	LS			1	\$25,000	1	\$25,000	1	\$25,000
Site Fencing	\$50,000.00	LS			1	\$50,000	1	\$50,000	1	\$50,000
Misc. site improvements	\$0.25	SF	200,000	\$50,000	634,274	\$158,569	649,389	\$162,347	731,614	\$182,904
				-----		-----		-----		-----
				\$1,034,080		\$2,093,861		\$2,338,315		\$2,395,877
G2050 LANDSCAPING										
<u>329000 PLANTING</u>										
Planting Allowance	\$0.50	SF			634,274	\$317,137	649,389	\$324,695	731,614	\$365,807
Rain Garden	\$100,000.00	LS			1	\$100,000	1	\$100,000	1	\$100,000
Loam:										
12" Planting Bed - import	\$72.00	CY			1,500	\$108,000	1,500	\$108,000	1,500	\$108,000
Mulch	\$55.00	CY			375	\$20,625	375	\$20,625	375	\$20,625
6" Loam Lawn	\$72.00	CY			7,890	\$568,083	7,606	\$547,607	9,395	\$676,428
Sod - Softball field										
Sod - Athletic Field	\$1.10	SF			34,231	\$37,654	63,148	\$69,463	63,584	\$69,942
Hydroseed - lawn	\$1.10	SF					80,283	\$88,311	92,636	\$101,900
Irrigation system	\$0.40	SF			391,831	\$156,732	267,274	\$106,910	351,101	\$140,440
				-----		-----		-----		-----
				\$0		\$1,308,231		\$1,365,610		\$1,583,142
TOTAL G20 - SITE IMPROVEMENTS				\$1,571,915		\$5,129,380		\$6,101,622		\$6,134,697
G30 - SITE MECHANICAL UTILITIES										
G3010 WATER SUPPLY										
330000 UTILITIES										
Street Connection	\$25,000.00	LOC			1	\$25,000	1	\$25,000	1	\$25,000
St pavement cut & patch	\$5,000.00	LOC			1	\$5,000	1	\$5,000	1	\$5,000
8" Main loop	\$116.00	LF			2,321	\$269,236	2,550	\$295,800	1,900	\$220,400
6" Fire Service	\$92.00	LF			150	\$13,800	150	\$13,800	150	\$13,800
4" Domestic	\$88.00	LF			100	\$8,800	100	\$8,800	100	\$8,800
8" Gate valve main	\$1,850.00	EA			4	\$7,400	4	\$7,400	4	\$7,400
6" Gate valve dom	\$1,600.00	EA			4	\$6,400	4	\$6,400	4	\$6,400
Fire Hydrant	\$3,600.00	EA			2	\$7,200	2	\$7,200	2	\$7,200
Test, santize, thrust block , misc.	\$10,000.00	LS			1	\$10,000	1	\$10,000	1	\$10,000

DESCRIPTION	UNIT COST	UNIT	Opt 1 & 4 CODE (325)		Opt 2 RENO ADD (325)		Opt 3A 3 STORY (325)		Opt 3B 3 STORY (325)	
			QUANTITY	TOTAL	QUANTITY	TOTAL	QUANTITY	TOTAL	QUANTITY	TOTAL
				\$0		\$352,836		\$379,400		\$304,000
G3020 SANITARY SEWER										
330000 UTILITIES										
8" PVC San Main	\$105.00	LF			1,597	\$167,685	949	\$99,645	2,319	\$243,495
Grease Trap - 5,000 gal	\$32,000.00	EA			1	\$32,000	1	\$32,000	1	\$32,000
Int Grease interceptor		W/ plumbing								
Site manhole	\$5,500.00	EA			3	\$16,500	3	\$16,500	3	\$16,500
St pavement cut & patch	\$5,000.00	LOC			1	\$5,000	1	\$5,000	1	\$5,000
Street Connection	\$22,000.00	LS			1	\$22,000	1	\$22,000	1	\$22,000
				\$0		\$243,185		\$175,145		\$318,995
G3030 STORM SEWER										
330000 UTILITIES										
On site Storage System:										
Building Area	6.00	SFFP			53,800	\$322,800	45,500	\$273,000	48,800	\$292,800
Site Pavement	6.00	SFFP			148,612	\$891,672	179,445	\$1,076,670	163,618	\$981,708
				\$0		\$1,214,472		\$1,349,670		\$1,274,508
G3060 FUEL DISTRIBUTION										
Trench gas line	not used									
Gas pad										
				\$0		\$0		\$0		\$0
TOTAL G30 - SITE MECHANICAL UTILITIES				\$0		\$1,810,493		\$1,904,215		\$1,897,503
G40 - SITE ELECTRICAL UTILITIES										
G4010 ELECTRICAL DISTRIBUTION										
<u>330000 UTILITIES</u>										
Site Electric	\$200,000.00	LS			1	\$200,000	1	\$200,000	1	\$200,000
*Electrical poles and primary by others										
Electrical Distribution:										
Transformer pad	\$4,000.00	EA			1	\$4,000	1	\$4,000	1	\$4,000
Emergency generator pad	\$4,000.00	EA			1	\$4,000	1	\$4,000	1	\$4,000
Primary/ t& d elec. conc duct bank	\$110.00	LF			1,597	\$175,670	949	\$104,390	2,319	\$255,090
				\$0		\$383,670		\$312,390		\$463,090
G4020 SITE LIGHTING										
<u>260001 ELECTRICAL*</u>										
Site Lighting	\$1.50	SFP	50,000	\$75,000	148,612	\$222,918	179,445	\$269,168	163,618	\$245,427
				\$75,000		\$222,918		\$269,168		\$245,427
TOTAL G40 - SITE ELECTRICAL UTILITIES				\$75,000		\$606,588		\$581,558		\$708,517
TOTAL G90 - OTHER SITE CONSTRUCTION				\$0		\$0		\$0		\$0

PROJECT: Fox Hill Elementary School
 LOCATION: Burlington, MA
 CLIENT: DiNisco Design
 DATE: 21-Jun-23

SUMMARY

No.: 18021

	OPT 3C NEW 2 STORY ESTIMATE TOTAL	OPT 3D NEW 2 STORY ESTIMATE TOTAL	OPT 5 RENO/ADD ESTIMATE TOTAL	OPT 6A NEW 3 STORY ESTIMATE TOTAL
G. BUILDING SITEWORK				
G10 - SITE PREPARATION				
G1010 SITE CLEARING	\$457,640	\$539,680	\$456,326	\$466,913
G1020 SITE DEMOLITION & RELOCATIONS	\$337,497	\$381,935	\$336,791	\$342,534
G1030 SITE EARTHWORK	\$1,344,673	\$1,676,589	\$1,324,233	\$1,369,062
G20 - SITE IMPROVEMENTS				
G2010 ROADWAYS	\$1,271,552	\$1,159,505	\$1,405,788	\$1,301,566
G2030 PEDESTRIAN PAVING	\$1,046,627	\$934,089	\$736,282	\$1,092,300
G2040 SITE DEVELOPMENT	\$2,160,797	\$2,407,281	\$1,804,384	\$2,166,485
G2050 LANDSCAPING	\$1,263,392	\$1,697,999	\$1,230,952	\$1,279,999
G30 - SITE MECHANICAL UTILITIES				
G3010 WATER SUPPLY	\$466,400	\$303,652	\$294,604	\$387,520
G3020 SANITARY SEWER	\$318,995	\$169,685	\$213,995	\$245,495
G3030 STORM SEWER	\$1,499,940	\$1,317,828	\$1,512,900	\$1,599,480
G3060 FUEL DISTRIBUTION	\$0	\$0	\$0	\$0
G40 - SITE ELECTRICAL UTILITIES				
G4010 ELECTRICAL DISTRIBUTION	\$463,090	\$306,670	\$353,090	\$386,090
G4020 SITE LIGHTING	\$290,235	\$244,707	\$270,075	\$287,670
TOTAL DIRECT COST	\$10,920,837	\$11,139,620	\$9,939,419	\$10,925,114

DESCRIPTION	UNIT COST	UNIT	Opt 3C 2 STORY (325)		Opt 3D 2 STORY (325)		Opt 5 RENO ADD (640)		Opt 6A 3 STORY (640)	
			QUANTITY	TOTAL	QUANTITY	TOTAL	QUANTITY	TOTAL	QUANTITY	TOTAL
G. BUILDING SITEWORK										
G10 - SITE PREPARATION										
G1010 SITE CLEARING										
<u>311000 SITE PREPARATION & CLEARING</u>										
Construction fence	16.00	LF	3,996	\$63,936	4,072	\$65,152	3,984	\$63,744	3,934	\$62,944
Construction entrance pad	15.00	SF	1,200	\$18,000	1,200	\$18,000	1,200	\$18,000	1,200	\$18,000
Construction gates	1,000.00	EA	1	\$1,000	1	\$1,000	1	\$1,000	1	\$1,000
Clear and Grub	0.20	SF	640,603	\$128,121	786,577	\$157,315	638,590	\$127,718	659,151	\$131,830
Strip and stack 6" avg. top soil	11.00	CY	11,863	\$130,493	14,566	\$160,226	11,825	\$130,075	12,206	\$134,266
Protect stockpile	10,000.00	LS	1	\$10,000	1	\$10,000	1	\$10,000	1	\$10,000
Protect tree	10,000.00	LS	1	\$10,000	1	\$10,000	1	\$10,000	1	\$10,000
General Site Prep	0.15	SF	640,603	\$96,090	786,577	\$117,987	638,590	\$95,789	659,151	\$98,873
				-----		-----		-----		-----
				\$457,640		\$539,680		\$456,326		\$466,913
G1020 SITE DEMOLITION & RELOCATIONS										
Erosion control	8.50	LF	3,996	\$33,966	4,072	\$34,612	3,984	\$33,864	3,934	\$33,439
Inlet Protection	110.00	EA	35	\$3,850	35	\$3,850	35	\$3,850	35	\$3,850
Erosion Control Maintenance	7,500.00	LS	1	\$7,500	1	\$7,500	1	\$7,500	1	\$7,500
Misc. Site Removal	0.30	SF	640,603	\$192,181	786,577	\$235,973	638,590	\$191,577	659,151	\$197,745
Temporary Measures:										
Temp Sediment basin	15,000.00	LS	1	\$15,000	1	\$15,000	1	\$15,000	1	\$15,000
Temporary Parking and Access	50,000.00	LS	1	\$50,000	1	\$50,000	1	\$50,000	1	\$50,000
Phasing logistics	35,000.00	LS	1	\$35,000	1	\$35,000	1	\$35,000	1	\$35,000
				-----		-----		-----		-----
				\$337,497		\$381,935		\$336,791		\$342,534
G1030 SITE EARTHWORK										
<u>310000 EARTHWORK</u>										
Site Grading	2.50	SY	71,178	\$177,945	87,397	\$218,493	70,954	\$177,385	73,239	\$183,098
Site Cut to fill	28.00	CY	23,726	\$664,328	29,132	\$815,696	23,651	\$662,228	24,413	\$683,564
Site Fill - Import	28.00	CY	10,000	\$280,000	15,000	\$420,000	10,000	\$280,000	10,000	\$280,000
Site Fill -Bldg removal fill	10.00	CY	4,740	\$47,400	4,740	\$47,400	2,962	\$29,620	4,740	\$47,400
Replace Unsuitable Mat'l	70.00	CY	2,500	\$175,000	2,500	\$175,000	2,500	\$175,000	2,500	\$175,000
				-----		-----		-----		-----
				\$1,344,673		\$1,676,589		\$1,324,233		\$1,369,062
TOTAL G10 - SITE PREPARATION				\$2,139,810		\$2,598,204		\$2,117,350		\$2,178,509
G20 - SITE IMPROVEMENTS										
G2010 ROADWAYS										
<u>321000 PAVING AND CURBING</u>										
Bituminous - Drive and parking	\$5.20	SF	123,192	\$640,598	101,716	\$528,923	135,312	\$703,622	127,840	\$664,768
12" Gravel base @ vehicular pave.	\$60.00	CY	4,563	\$273,780	3,767	\$226,020	5,012	\$300,720	4,735	\$284,100
Granite Curbing - road/drop off	\$53.00	LF	5,808	\$307,824	6,848	\$362,944	6,561	\$347,733	5,692	\$301,676
Curb cut /St. patch @ entry drive	\$5,000.00	LOC	1	\$5,000	1	\$5,000	1	\$5,000	1	\$5,000
Parking/traffic signage	\$0.12	SF	123,192	\$14,783	101,716	\$12,206	135,312	\$16,237	127,840	\$15,341
Parking line painting & markings	\$0.24	SF	123,192	\$29,566	101,716	\$24,412	135,312	\$32,475	127,840	\$30,682
				-----		-----		-----		-----
				\$1,271,552		\$1,159,505		\$1,405,788		\$1,301,566
G2030 PEDESTRIAN PAVING										
<u>321000 PAVING AND CURBING</u>										
4" Concrete Pavement	\$11.00	SF	32,387	\$356,257	22,451	\$246,961	24,619	\$270,809	23,005	\$253,055
Bit Play Surface	\$10.00	SF	29,981	\$299,810	31,108	\$311,080	12,661	\$126,610	28,110	\$281,100
Unit Entry Paver	\$36.00	SF	7,930	\$285,480	7,863	\$283,068	7,458	\$268,488	12,825	\$461,700
8" Gravel base @ ped. pavement	\$55.00	CY	1,736	\$95,480	1,516	\$83,380	1,105	\$60,775	1,579	\$86,845
Tactile warning paver	\$1,200.00	EA	8	\$9,600	8	\$9,600	8	\$9,600	8	\$9,600
				-----		-----		-----		-----
				\$1,046,627		\$934,089		\$736,282		\$1,092,300

DESCRIPTION	UNIT COST	UNIT	Opt 3C 2 STORY (325)		Opt 3D 2 STORY (325)		Opt 5 RENO ADD (640)		Opt 6A 3 STORY (640)	
			QUANTITY	TOTAL	QUANTITY	TOTAL	QUANTITY	TOTAL	QUANTITY	TOTAL
G2040 SITE DEVELOPMENT										
<u>323000 SITE IMPROVEMENTS</u>										
Play Area :										
Under drain system	\$1.00	SF	12,000	\$12,000	12,000	\$12,000	12,000	\$12,000	12,000	\$12,000
Resilient play surface	\$27.00	SF	12,000	\$324,000	12,000	\$324,000	12,000	\$324,000	12,000	\$324,000
8" Gravel Base	\$55.00	CY	296	\$16,280	296	\$16,280	296	\$16,280	296	\$16,280
Perim. curb	\$55.00	LF	542	\$29,810	542	\$29,810	542	\$29,810	542	\$29,810
Decorative metal fencing	\$145.00	LF	542	\$78,590	542	\$78,590	542	\$78,590	542	\$78,590
5'W Gate @ decorative metal fencing	\$4,200.00	EA	2	\$8,400	2	\$8,400	2	\$8,400	2	\$8,400
Play Equipment - allow	\$500,000.00	LS	1	\$500,000	1	\$500,000	1	\$500,000	1	\$500,000
Softball Field										
12" Drainage Layer	\$58.00	CY	3,110	\$180,380	3,110	\$180,380	1,555	\$90,190	3,110	\$180,380
Perf Sub Drain	\$0.85	SF	83,862	\$71,283	83,862	\$71,283	41,931	\$35,641	83,862	\$71,283
Softball Clay Infield	\$5.25	SF	15,400	\$80,850	15,400	\$80,850	7,700	\$40,425	15,400	\$80,850
Backstop	\$25,000.00	EA	2	\$50,000	2	\$50,000	1	\$25,000	2	\$50,000
Player Bench w/ Conc Pad	\$15,000.00	EA	4	\$60,000	4	\$60,000	2	\$30,000	4	\$60,000
CL Fencing	\$74.00	LF	800	\$59,200	800	\$59,200	400	\$29,600	800	\$59,200
CL Gate sgl	\$3,800.00	EA	8	\$30,400	8	\$30,400	4	\$15,200	8	\$30,400
Foul Pole	\$7,250.00	EA	4	\$29,000	4	\$29,000	2	\$14,500	4	\$29,000
Field lighting	n/a									
Athletic Fields:										
12" Drainage Layer	\$58.00	CY	931	\$53,998	3,525	\$204,450			944	\$54,752
Perf Sub Drain	\$0.85	SF	25,124	\$21,355	95,170	\$80,895			25,473	\$21,652
Outdoor Learning										
Dumpster pad and enclosure	\$100,000.00	LS	1	\$100,000	1	\$100,000	1	\$100,000	1	\$100,000
Trash Receptacle	\$2,100.00	EA	4	\$8,400	4	\$8,400	4	\$8,400	4	\$8,400
Flag pole	\$11,500.00	EA	1	\$11,500	1	\$11,500	1	\$11,500	1	\$11,500
Benches	\$3,000.00	EA	12	\$36,000	12	\$36,000	12	\$36,000	12	\$36,000
Decorative bollard	\$2,600.00	EA	40	\$104,000	40	\$104,000	40	\$104,000	40	\$104,000
Utility Bollard	\$1,500.00	EA	20	\$30,000	20	\$30,000	20	\$30,000	20	\$30,000
Bike Loop	\$850.00	EA	12	\$10,200	12	\$10,200	12	\$10,200	12	\$10,200
Site sign	\$25,000.00	LS	1	\$25,000	1	\$25,000	1	\$25,000	1	\$25,000
Site Fencing	\$50,000.00	LS	1	\$50,000	1	\$50,000	1	\$50,000	1	\$50,000
Misc. site improvements	\$0.25	SF	640,603	\$160,151	786,577	\$196,644	638,590	\$159,648	659,151	\$164,788
				-----		-----		-----		-----
				\$2,160,797		\$2,407,281		\$1,804,384		\$2,166,485
G2050 LANDSCAPING										
<u>329000 PLANTING</u>										
Planting Allowance	\$0.50	SF	640,603	\$320,302	786,577	\$393,289	638,590	\$319,295	659,151	\$329,576
Rain Garden	\$100,000.00	LS	1	\$100,000	1	\$100,000	1	\$100,000	1	\$100,000
Loam:										
12" Planting Bed - import	\$72.00	CY	1,500	\$108,000	1,500	\$108,000	1,500	\$108,000	1,500	\$108,000
Mulch	\$55.00	CY	375	\$20,625	375	\$20,625	375	\$20,625	375	\$20,625
6" Loam Lawn	\$72.00	CY	6,980	\$502,531	10,315	\$742,680	7,063	\$508,504	7,035	\$506,529
Sod - Softball field	\$1.10	SF	25,154	\$27,669	62,832	\$69,115			64,971	\$71,468
Sod - Athletic Field	\$1.10	SF	62,240	\$68,464	95,170	\$104,687	31,395	\$34,535	25,473	\$28,020
Hydroseed - lawn	\$0.40	SF	289,504	\$115,802	399,008	\$159,603	349,983	\$139,993	289,453	\$115,781
Irrigation system		NIC								
				-----		-----		-----		-----
				\$1,263,392		\$1,697,999		\$1,230,952		\$1,279,999
TOTAL G20 - SITE IMPROVEMENTS				\$5,742,368		\$6,198,874		\$5,177,405		\$5,840,350
G30 - SITE MECHANICAL UTILITIES										
G3010 WATER SUPPLY										
<u>330000 UTILITIES</u>										
Street Connection	\$25,000.00	LOC	1	\$25,000	1	\$25,000	1	\$25,000	1	\$25,000
St pavement cut & patch	\$5,000.00	LOC	1	\$5,000	1	\$5,000	1	\$5,000	1	\$5,000
8" Main loop	\$116.00	LF	3,300	\$382,800	1,897	\$220,052	1,819	\$211,004	2,620	\$303,920
6" Fire Service	\$92.00	LF	150	\$13,800	150	\$13,800	150	\$13,800	150	\$13,800
4" Domestic	\$88.00	LF	100	\$8,800	100	\$8,800	100	\$8,800	100	\$8,800
8" Gate valve main	\$1,850.00	EA	4	\$7,400	4	\$7,400	4	\$7,400	4	\$7,400
6" Gate valve dom	\$1,600.00	EA	4	\$6,400	4	\$6,400	4	\$6,400	4	\$6,400
Fire Hydrant	\$3,600.00	EA	2	\$7,200	2	\$7,200	2	\$7,200	2	\$7,200
Test, santize, thrust block , misc.	\$10,000.00	LS	1	\$10,000	1	\$10,000	1	\$10,000	1	\$10,000
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DESCRIPTION	UNIT COST	UNIT	Opt 3C 2 STORY (325)		Opt 3D 2 STORY (325)		Opt 5 RENO ADD (640)		Opt 6A 3 STORY (640)	
			QUANTITY	TOTAL	QUANTITY	TOTAL	QUANTITY	TOTAL	QUANTITY	TOTAL
				\$466,400		\$303,652		\$294,604		\$387,520
G3020 SANITARY SEWER										
330000 UTILITIES										
8" PVC San Main	\$105.00	LF	2,319	\$243,495	897	\$94,185	1,319	\$138,495	1,619	\$169,995
Grease Trap - 5,000 gal	\$32,000.00	EA	1	\$32,000	1	\$32,000	1	\$32,000	1	\$32,000
Int Grease interceptor		W / plumbing								
Site manhole	\$5,500.00	EA	3	\$16,500	3	\$16,500	3	\$16,500	3	\$16,500
St pavement cut & patch	\$5,000.00	LOC	1	\$5,000	1	\$5,000	1	\$5,000	1	\$5,000
Street Connection	\$22,000.00	LS	1	\$22,000	1	\$22,000	1	\$22,000	1	\$22,000
				\$318,995		\$169,685		\$213,995		\$245,495
G3030 STORM SEWER										
330000 UTILITIES										
On site Storage System:										
Building Area	6.00	SFFP	56,500	\$339,000	56,500	\$339,000	72,100	\$432,600	74,800	\$448,800
Site Pavement	6.00	SFFP	193,490	\$1,160,940	163,138	\$978,828	180,050	\$1,080,300	191,780	\$1,150,680
				\$1,499,940		\$1,317,828		\$1,512,900		\$1,599,480
G3060 FUEL DISTRIBUTION										
Trench gas line	not used									
Gas pad										
				\$0		\$0		\$0		\$0
TOTAL G30 - SITE MECHANICAL UTILITIES				\$2,285,335		\$1,791,165		\$2,021,499		\$2,232,495
G40 - SITE ELECTRICAL UTILITIES										
G4010 ELECTRICAL DISTRIBUTION										
330000 UTILITIES										
Site Electric	\$200,000.00	LS	1	\$200,000	1	\$200,000	1	\$200,000	1	\$200,000
*Electrical poles and primary by others										
Electrical Distribution:										
Transformer pad	\$4,000.00	EA	1	\$4,000	1	\$4,000	1	\$4,000	1	\$4,000
Emergency generator pad	\$4,000.00	EA	1	\$4,000	1	\$4,000	1	\$4,000	1	\$4,000
Primary/ t& d elec. conc duct bank	\$110.00	LF	2,319	\$255,090	897	\$98,670	1,319	\$145,090	1,619	\$178,090
				\$463,090		\$306,670		\$353,090		\$386,090
G4020 SITE LIGHTING										
260001 ELECTRICAL*										
Site Lighting	\$1.50	SFP	193,490	\$290,235	163,138	\$244,707	180,050	\$270,075	191,780	\$287,670
				\$290,235		\$244,707		\$270,075		\$287,670
TOTAL G40 - SITE ELECTRICAL UTILITIES				\$753,325		\$551,377		\$623,165		\$673,760
TOTAL G90 - OTHER SITE CONSTRUCTION				\$0		\$0		\$0		\$0

PROJECT: Fox Hill Elementary School
 LOCATION: Burlington, MA
 CLIENT: DiNisco Design
 DATE: 21-Jun-23

SUMMARY

No.: 18021

	OPT 6B NEW 3 STORY ESTIMATE TOTAL	OPT 7 RENO/ADD ESTIMATE TOTAL	OPT 8 NEW 3 STORY ESTIMATE TOTAL	OPT 9 NEW 3 STORY ESTIMATE TOTAL
G. BUILDING SITEWORK				
G10 - SITE PREPARATION				
G1010 SITE CLEARING	\$504,264	\$328,449	\$347,914	\$314,881
G1020 SITE DEMOLITION & RELOCATIONS	\$362,748	\$267,654	\$278,168	\$260,298
G1030 SITE EARTHWORK	\$1,369,062	\$968,230	\$1,036,314	\$950,429
G20 - SITE IMPROVEMENTS				
G2010 ROADWAYS	\$1,176,317	\$1,024,425	\$1,312,912	\$917,382
G2030 PEDESTRIAN PAVING	\$1,213,543	\$1,119,542	\$1,146,632	\$815,777
G2040 SITE DEVELOPMENT	\$2,026,292	\$1,472,610	\$1,479,919	\$1,928,439
G2050 LANDSCAPING	\$1,477,063	\$786,216	\$810,031	\$920,041
G30 - SITE MECHANICAL UTILITIES				
G3010 WATER SUPPLY	\$339,728	\$342,048	\$345,760	\$328,360
G3020 SANITARY SEWER	\$202,340	\$204,440	\$207,800	\$192,050
G3030 STORM SEWER	\$1,495,704	\$1,427,070	\$1,562,340	\$1,019,256
G3060 FUEL DISTRIBUTION	\$0	\$0	\$0	\$0
G40 - SITE ELECTRICAL UTILITIES				
G4010 ELECTRICAL DISTRIBUTION	\$340,880	\$343,080	\$346,600	\$330,100
G4020 SITE LIGHTING	\$263,076	\$251,768	\$275,835	\$193,014
TOTAL DIRECT COST	\$10,771,017	\$8,535,531	\$9,150,224	\$8,170,026

DESCRIPTION	UNIT COST	UNIT	Opt 6B 3 STORY (640)		OPT 7 RENO-ADD (640)		OPT 8 NEW (640)		OPT 9 3 STORY (325)	
			QUANTITY	TOTAL	QUANTITY	TOTAL	QUANTITY	TOTAL	QUANTITY	TOTAL
G. BUILDING SITEWORK										
G10 - SITE PREPARATION										
G1010 SITE CLEARING										
<u>311000 SITE PREPARATION & CLEARING</u>										
Construction fence	16.00	LF	4,051	\$64,816	3,081	\$49,296	3,286	\$52,576	3,113	\$49,808
Construction entrance pad	15.00	SF	1,200	\$18,000	1,200	\$18,000	1,200	\$18,000	1,200	\$18,000
Construction gates	1,000.00	EA	1	\$1,000	1	\$1,000	1	\$1,000	1	\$1,000
Clear and Grub	0.20	SF	723,214	\$144,643	433,718	\$86,744	462,957	\$92,591	408,290	\$81,658
Strip and stack 6" avg. top soil	11.00	CY	13,393	\$147,323	8,032	\$88,352	8,573	\$94,303	7,561	\$83,171
Protect stockpile	10,000.00	LS	1	\$10,000	1	\$10,000	1	\$10,000	1	\$10,000
Protect tree	10,000.00	LS	1	\$10,000	1	\$10,000	1	\$10,000	1	\$10,000
General Site Prep	0.15	SF	723,214	\$108,482	433,718	\$65,058	462,957	\$69,444	408,290	\$61,244
				-----		-----		-----		-----
				\$504,264		\$328,449		\$347,914		\$314,881
G1020 SITE DEMOLITION & RELOCATIONS										
Erosion control	8.50	LF	4,051	\$34,434	3,081	\$26,189	3,286	\$27,931	3,113	\$26,461
Inlet Protection	110.00	EA	35	\$3,850	35	\$3,850	35	\$3,850	35	\$3,850
Erosion Control Maintance	7,500.00	LS	1	\$7,500	1	\$7,500	1	\$7,500	1	\$7,500
Misc. Site Removal	0.30	SF	723,214	\$216,964	433,718	\$130,115	462,957	\$138,887	408,290	\$122,487
Temporary Measures:										
Temp Sediment basin	15,000.00	LS	1	\$15,000	1	\$15,000	1	\$15,000	1	\$15,000
Temporary Parking and Access	50,000.00	LS	1	\$50,000	1	\$50,000	1	\$50,000	1	\$50,000
Phasing logistics	35,000.00	LS	1	\$35,000	1	\$35,000	1	\$35,000	1	\$35,000
				-----		-----		-----		-----
				\$362,748		\$267,654		\$278,168		\$260,298
G1030 SITE EARTHWORK										
<u>310000 EARTHWORK</u>										
Site Grading	2.50	SY	73,239	\$183,098	48,191	\$120,478	51,439	\$128,598	45,365	\$113,413
Site Cut to fill	28.00	CY	24,413	\$683,564	16,064	\$449,792	17,147	\$480,116	15,122	\$423,416
Site Fill - Import	28.00	CY	10,000	\$280,000	7,500	\$210,000	7,500	\$210,000	7,000	\$196,000
Site Fill -Bldg removal fill	10.00	CY	4,740	\$47,400	1,296	\$12,960	4,260	\$42,600	4,260	\$42,600
Replace Unsuitable Mat'l	70.00	CY	2,500	\$175,000	2,500	\$175,000	2,500	\$175,000	2,500	\$175,000
				-----		-----		-----		-----
				\$1,369,062		\$968,230		\$1,036,314		\$950,429
TOTAL G10 - SITE PREPARATION				\$2,236,073		\$1,564,333		\$1,662,396		\$1,525,607
G20 - SITE IMPROVEMENTS										
G2010 ROADWAYS										
<u>321000 PAVING AND CURBING</u>										
Bituminous - Drive and parking	\$5.20	SF	114,897	\$597,464	97,893	\$509,044	126,784	\$659,277	85,391	\$444,033
12" Gravel base @ vehicular pave.	\$60.00	CY	4,255	\$255,300	3,626	\$217,560	4,696	\$281,760	3,163	\$189,780
Granite Curbing - road/drop off	\$53.00	LF	5,230	\$277,190	4,860	\$257,580	6,061	\$321,233	4,676	\$247,828
Curb cut /St. patch @ entry drive	\$5,000.00	LOC	1	\$5,000	1	\$5,000	1	\$5,000	1	\$5,000
Parking/traffic signage	\$0.12	SF	114,897	\$13,788	97,893	\$11,747	126,784	\$15,214	85,391	\$10,247
Parking line panting & markings	\$0.24	SF	114,897	\$27,575	97,893	\$23,494	126,784	\$30,428	85,391	\$20,494
				-----		-----		-----		-----
				\$1,176,317		\$1,024,425		\$1,312,912		\$917,382
G2030 PEDESTRIAN PAVING										
<u>321000 PAVING AND CURBING</u>										
4" Concrete Pavement	\$11.00	SF	21,762	\$239,382	20,395	\$224,345	24,559	\$270,149	15,243	\$167,673
Bit Play Surface	\$10.00	SF	19,679	\$196,790	38,205	\$382,050	14,704	\$147,040	16,533	\$165,330
Unit Entry Paver	\$36.00	SF	19,046	\$685,656	11,352	\$408,672	17,843	\$642,348	11,509	\$414,324
8" Gravel base @ ped. pavement	\$55.00	CY	1,493	\$82,115	1,725	\$94,875	1,409	\$77,495	1,070	\$58,850
Tactile warning paver	\$1,200.00	EA	8	\$9,600	8	\$9,600	8	\$9,600	8	\$9,600
				-----		-----		-----		-----

DESCRIPTION	UNIT COST	UNIT	Opt 6B 3 STORY (640)		OPT 7 RENO-ADD (640)		OPT 8 NEW (640)		OPT 9 3 STORY (325)	
			QUANTITY	TOTAL	QUANTITY	TOTAL	QUANTITY	TOTAL	QUANTITY	TOTAL
				\$1,213,543		\$1,119,542		\$1,146,632		\$815,777
G2040 SITE DEVELOPMENT										
<u>323000 SITE IMPROVEMENTS</u>										
Play Area :										
Under drain system	\$1.00	SF	12,000	\$12,000	12,000	\$12,000	12,000	\$12,000	12,000	\$12,000
Resilient play surface	\$27.00	SF	12,000	\$324,000	12,000	\$324,000	12,000	\$324,000	12,000	\$324,000
8" Gravel Base	\$55.00	CY	296	\$16,280	296	\$16,280	296	\$16,280	296	\$16,280
Perim. curb	\$55.00	LF	542	\$29,810	542	\$29,810	542	\$29,810	542	\$29,810
Decorative metal fencing	\$145.00	LF	542	\$78,590	542	\$78,590	542	\$78,590	542	\$78,590
5'W Gate @ decorative metal fencing	\$4,200.00	EA	2	\$8,400	2	\$8,400	2	\$8,400	2	\$8,400
Play Equipment - allow	\$500,000.00	LS	1	\$500,000	1	\$500,000	1	\$500,000	1	\$500,000
Softball Field										
12" Drainage Layer	\$58.00	CY	1,555	\$90,190					1,555	\$90,190
Perf Sub Drain	\$0.85	SF	41,931	\$35,641					41,931	\$35,641
Softball Clay Infield	\$5.25	SF	7,700	\$40,425					7,700	\$40,425
Backstop	\$25,000.00	EA	1	\$25,000					1	\$25,000
Player Bench w/ Conc Pad	\$15,000.00	EA	2	\$30,000					2	\$30,000
CL Fencing	\$74.00	LF	400	\$29,600					400	\$29,600
CL Gate sgl	\$3,800.00	EA	4	\$15,200					4	\$15,200
Foul Pole	\$7,250.00	EA	2	\$14,500					2	\$14,500
Field lighting	n/a									
Athletic Fields:										
12" Drainage Layer	\$58.00	CY	2,480	\$143,840					2,244	\$130,152
Perf Sub Drain	\$0.85	SF	66,956	\$56,913					60,563	\$51,479
Outdoor Learning										
Dumpster pad and enclosure	\$20,000.00	LS	1	\$20,000	1	\$20,000	1	\$20,000	1	\$20,000
Trash Receptacle	\$2,100.00	EA	4	\$8,400	4	\$8,400	4	\$8,400	4	\$8,400
Flag pole	\$11,500.00	EA	1	\$11,500	1	\$11,500	1	\$11,500	1	\$11,500
Benches	\$3,000.00	EA	12	\$36,000	12	\$36,000	12	\$36,000	12	\$36,000
Decorative bollard	\$2,600.00	EA	40	\$104,000	40	\$104,000	40	\$104,000	40	\$104,000
Utility Bollard	\$1,500.00	EA	20	\$30,000	20	\$30,000	20	\$30,000	20	\$30,000
Bike Loop	\$850.00	EA	12	\$10,200	12	\$10,200	12	\$10,200	12	\$10,200
Site sign	\$25,000.00	LS	1	\$25,000	1	\$25,000	1	\$25,000	1	\$25,000
Site Fencing	\$50,000.00	LS	1	\$50,000	1	\$50,000	1	\$50,000	1	\$50,000
Misc. site improvements	\$0.25	SF	723,214	\$180,804	433,718	\$108,430	462,957	\$115,739	408,290	\$102,073
				-----		-----		-----		-----
				\$2,026,292		\$1,472,610		\$1,479,919		\$1,928,439
G2050 LANDSCAPING										
<u>329000 PLANTING</u>										
Planting Allowance	\$0.50	SF	723,214	\$361,607	433,718	\$216,859	462,957	\$231,479	408,290	\$204,145
Rain Garden	\$100,000.00	LS	1	\$100,000	1	\$100,000	1	\$100,000	1	\$100,000
Loam:										
12" Planting Bed - import	\$72.00	CY	1,500	\$108,000	1,500	\$108,000	1,500	\$108,000	1,500	\$108,000
Mulch	\$55.00	CY	375	\$20,625	375	\$20,625	375	\$20,625	375	\$20,625
6" Loam Lawn	\$72.00	CY	8,727	\$628,375	3,640	\$262,101	3,739	\$269,175	4,508	\$324,545
Sod - Softball field										
Sod - Athletic Field	\$1.10	SF	32,964	\$36,260					32,811	\$36,092
Hydroseed - lawn	\$1.10	SF	66,956	\$73,652					60,563	\$66,619
Irrigation system	\$0.40	SF	371,361	\$148,544	196,576	\$78,630	201,881	\$80,752	150,035	\$60,014
				-----		-----		-----		-----
				\$1,477,063		\$786,216		\$810,031		\$920,041
TOTAL G20 - SITE IMPROVEMENTS				\$5,893,216		\$4,402,792		\$4,749,494		\$4,581,639
G30 - SITE MECHANICAL UTILITIES										
G3010 WATER SUPPLY										
330000 UTILITIES										
Street Connection	\$25,000.00	LOC	1	\$25,000	1	\$25,000	1	\$25,000	1	\$25,000
St pavement cut & patch	\$5,000.00	LOC	1	\$5,000	1	\$5,000	1	\$5,000	1	\$5,000
8" Main loop	\$116.00	LF	2,208	\$256,128	2,228	\$258,448	2,260	\$262,160	2,110	\$244,760
6" Fire Service	\$92.00	LF	150	\$13,800	150	\$13,800	150	\$13,800	150	\$13,800
4" Domestic	\$88.00	LF	100	\$8,800	100	\$8,800	100	\$8,800	100	\$8,800
8" Gate valve main	\$1,850.00	EA	4	\$7,400	4	\$7,400	4	\$7,400	4	\$7,400
6" Gate valve dom	\$1,600.00	EA	4	\$6,400	4	\$6,400	4	\$6,400	4	\$6,400
Fire Hydrant	\$3,600.00	EA	2	\$7,200	2	\$7,200	2	\$7,200	2	\$7,200
Test, santize, thrust block , misc.	\$10,000.00	LS	1	\$10,000	1	\$10,000	1	\$10,000	1	\$10,000

DESCRIPTION	UNIT COST	UNIT	Opt 6B 3 STORY (640)		OPT 7 RENO-ADD (640)		OPT 8 NEW (640)		OPT 9 3 STORY (325)	
			QUANTITY	TOTAL	QUANTITY	TOTAL	QUANTITY	TOTAL	QUANTITY	TOTAL
				\$339,728		\$342,048		\$345,760		\$328,360
G3020 SANITARY SEWER										
330000 UTILITIES										
8" PVC San Main	\$105.00	LF	1,208	\$126,840	1,228	\$128,940	1,260	\$132,300	1,110	\$116,550
Grease Trap - 5,000 gal	\$32,000.00	EA	1	\$32,000	1	\$32,000	1	\$32,000	1	\$32,000
Int Grease interceptor		W/ plumbing								
Site manhole	\$5,500.00	EA	3	\$16,500	3	\$16,500	3	\$16,500	3	\$16,500
St pavement cut & patch	\$5,000.00	LOC	1	\$5,000	1	\$5,000	1	\$5,000	1	\$5,000
Street Connection	\$22,000.00	LS	1	\$22,000	1	\$22,000	1	\$22,000	1	\$22,000
				\$202,340		\$204,440		\$207,800		\$192,050
G3030 STORM SEWER										
330000 UTILITIES										
On site Storage System:										
Building Area	6.00	SFFP	73,900	\$443,400	70,000	\$420,000	76,500	\$459,000	41,200	\$247,200
Site Pavement	6.00	SFFP	175,384	\$1,052,304	167,845	\$1,007,070	183,890	\$1,103,340	128,676	\$772,056
				\$1,495,704		\$1,427,070		\$1,562,340		\$1,019,256
G3060 FUEL DISTRIBUTION										
Trench gas line	not used									
Gas pad										
				\$0		\$0		\$0		\$0
TOTAL G30 - SITE MECHANICAL UTILITIES				\$2,037,772		\$1,973,558		\$2,115,900		\$1,539,666
G40 - SITE ELECTRICAL UTILITIES										
G4010 ELECTRICAL DISTRIBUTION										
<u>330000 UTILITIES</u>										
Site Electric	\$200,000.00	LS	1	\$200,000	1	\$200,000	1	\$200,000	1	\$200,000
*Electrical poles and primary by others										
Electrical Distribution:										
Transformer pad	\$4,000.00	EA	1	\$4,000	1	\$4,000	1	\$4,000	1	\$4,000
Emergency generator pad	\$4,000.00	EA	1	\$4,000	1	\$4,000	1	\$4,000	1	\$4,000
Primary/ t& d elec. conc duct bank	\$110.00	LF	1,208	\$132,880	1,228	\$135,080	1,260	\$138,600	1,110	\$122,100
				\$340,880		\$343,080		\$346,600		\$330,100
G4020 SITE LIGHTING										
<u>260001 ELECTRICAL*</u>										
Site Lighting	\$1.50	SFP	175,384	\$263,076	167,845	\$251,768	183,890	\$275,835	128,676	\$193,014
				\$263,076		\$251,768		\$275,835		\$193,014
TOTAL G40 - SITE ELECTRICAL UTILITIES				\$603,956		\$594,848		\$622,435		\$523,114
TOTAL G90 - OTHER SITE CONSTRUCTION				\$0		\$0		\$0		\$0

Fort River Elem. School - Renovation

DESCRIPTION	UNIT COST	UNIT	RENOVATION	
			QUANTITY	TOTAL
RENOVATION EXISTING SCHOOL				
Minor Structural Repair	\$1.00	GSF	64,400	\$64,400
ADA Interior Doors:				
Rework Int Part , Doors	\$30	GSF	64,400	\$1,932,000
Replace all Finishes	\$45	GSF	64,400	\$2,898,000
New Sprinkler System	\$10	GSF	64,400	\$644,000
Replace Plumbing	\$26	GSF	64,400	\$1,674,400
Repalce Kitchn Equipment	\$500,000	LS	1	\$500,000
HVAC Replacement	\$85	GSF	64,400	\$5,474,000
Replace Entire Electrical System	\$55	GSF	64,400	\$3,542,000
ROOFING:				
Replace Roofing and Flashing	\$36	SF	64,400	\$2,318,400
EXTERIOR WALL				
Cut and Point - 10%	\$50.00	SF	4,200	\$210,000
Replace Brick Veneer - 5%	\$150.00	SF	2,100	\$315,000
Replace Windows	\$12.00	SF	64,400	\$772,800
Misc. Exterior Work	\$5.00	SF	45,000	\$225,000

				\$20,570,000

PROJECT: Fox Hill Elementary School
 LOCATION: Burlington, MA
 CLIENT: DiNisco Design
 DATE: 21-Jun-23

SUMMARY

Fox Hill Elem. School - Cost per sf detail

6/21/23

DESCRIPTION	UNIT COST	UNIT	COST PER 3 - STORY	COST PER 2 - STORY	COST PER 1 - STORY
COST PER SF DETAIL		GSF			
A. SUBSTRUCTURE					
A10 - FOUNDATIONS					
A1010 STANDARD FOUNDATIONS			\$15.90	\$18.20	\$39.25
A1020 SPECIAL FOUNDATIONS			\$13.00	\$15.00	\$18.00
A1030 SLAB ON GRADE			\$11.85	\$14.02	\$30.47
B. SHELL					
B10 - SUPERSTRUCTURE					
B1010 FLOOR CONSTRUCTION			\$33.90	\$34.75	\$0.00
B1020 ROOF CONSTRUCTION			\$16.26	\$19.26	\$38.00
B20 - EXTERIOR ENCLOSURE					
B2010 EXTERIOR WALLS			\$35.94	\$33.60	\$37.20
B2020 EXTERIOR WINDOWS			\$14.68	\$13.20	\$16.50
B2030 EXTERIOR DOORS			\$1.18	\$1.18	\$1.39
B30 - ROOFING					
B3010 ROOF COVERINGS			\$10.70	\$13.80	\$32.50
B3020 ROOF OPENINGS			\$0.20	\$0.20	\$0.50
C. INTERIORS					
C10 - INTERIOR CONSTRUCTION					
C1010 PARTITIONS			\$29.85	\$29.85	\$29.85
C1020 INTERIOR DOORS			\$5.68	\$5.68	\$5.68
C1030 FITTINGS			\$11.61	\$11.61	\$11.61
C20 - STAIRS					
C2010 STAIR CONSTRUCTION			\$2.21	\$11.61	\$0.00
C2020 STAIR FINISHES			\$0.51	\$11.61	\$0.00
C30 - INTERIOR FINISHES					
C3010 WALL FINISHES			\$10.25	\$10.25	\$9.30
C3020 FLOOR FINISHES			\$10.50	\$10.50	\$9.85
C3030 CEILING FINISHES			\$12.00	\$12.00	\$11.25
D. SERVICES					
D10 - CONVEYING					
D1010 ELEVATORS & LIFTS			\$1.92	\$1.60	\$0.00
D20 - PLUMBING					
D2010 PLUMBING			\$27.00	\$27.00	\$27.00
D30 - HVAC					
D3010 HVAC			\$89.00	\$89.00	\$89.00
D40 - FIRE PROTECTION					
D4010 SPRINKLERS			\$12.00	\$12.00	\$12.00
D50 - ELECTRICAL					
D5010 ELECTRICAL SERVICE & DISTRIBUTION			\$14.00	\$14.00	\$14.00
D5020 LIGHTING & BRANCH WIRING			\$15.00	\$15.00	\$15.00
D5030 COMMUNICATION & SECURITY			\$20.00	\$20.00	\$20.00
D5090 OTHER ELECTRICAL SYSTEMS			\$6.00	\$6.00	\$6.00
E. EQUIPMENT & FURNISHINGS					
E10 - EQUIPMENT					
E1010 COMMERCIAL EQUIPMENT			\$4.35	\$4.35	\$4.35
E1090 OTHER EQUIPMENT			\$2.33	\$2.33	\$2.33
E20 - FURNISHINGS					
E 2010 FIXED FURNISHINGS			\$15.50	\$15.50	\$13.95
TOTAL DIRECT COST PER S.F.			\$443.32	\$473.10	\$494.98