

**JOHNSON
ROBERTS**
ASSOCIATES INC.

ARCHITECTS

Essex Public Safety Building

Essex, Massachusetts

Public Forum September 12, 2019

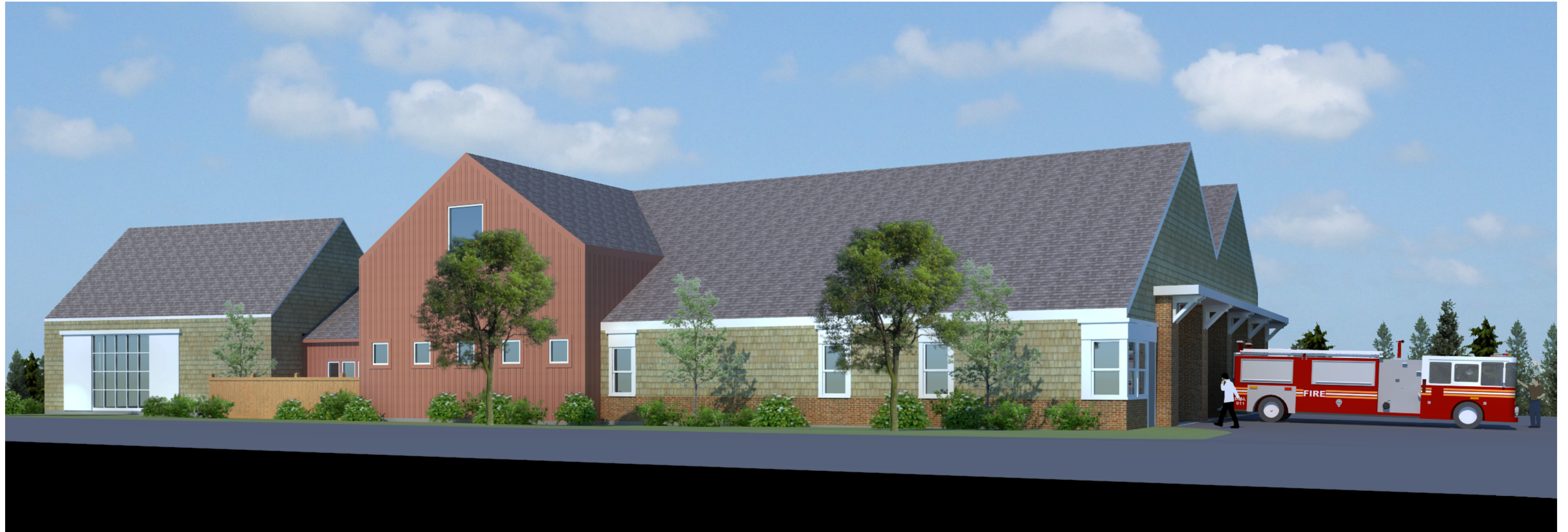
Essex Public Safety Building Project

Model View



Essex Public Safety Building Project

Model View



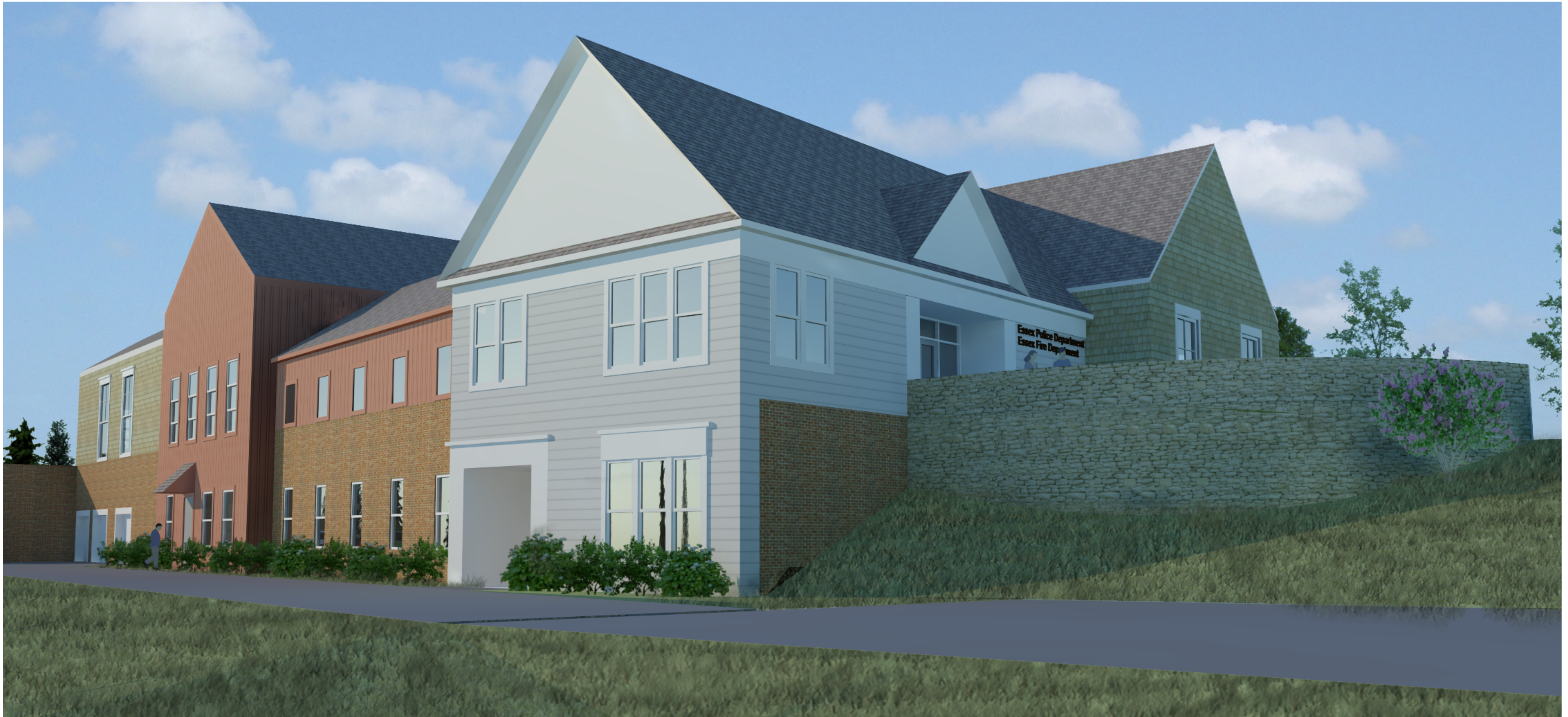
Essex Public Safety Building Project

Model View



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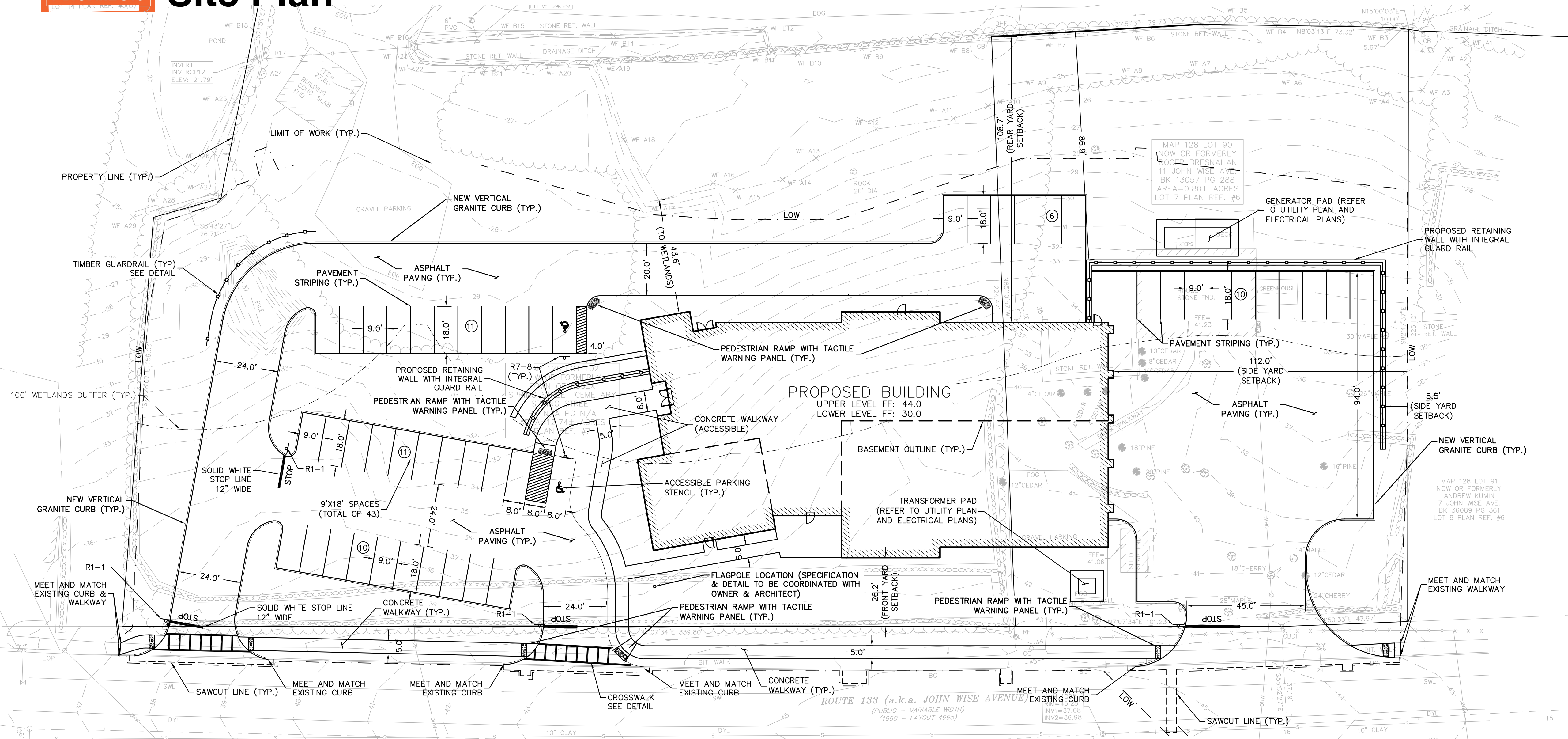
Model View





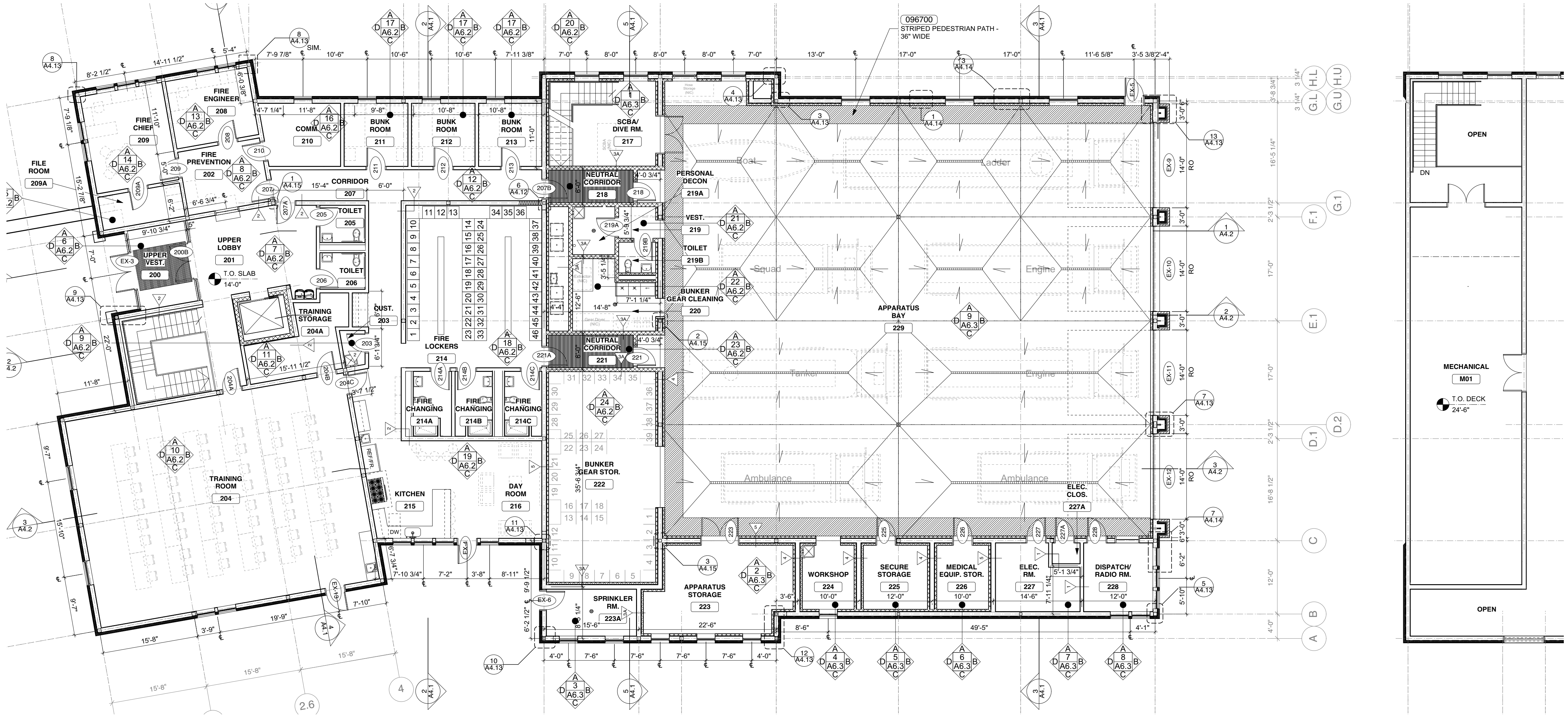
Essex Public Safety Building Project

Site Plan



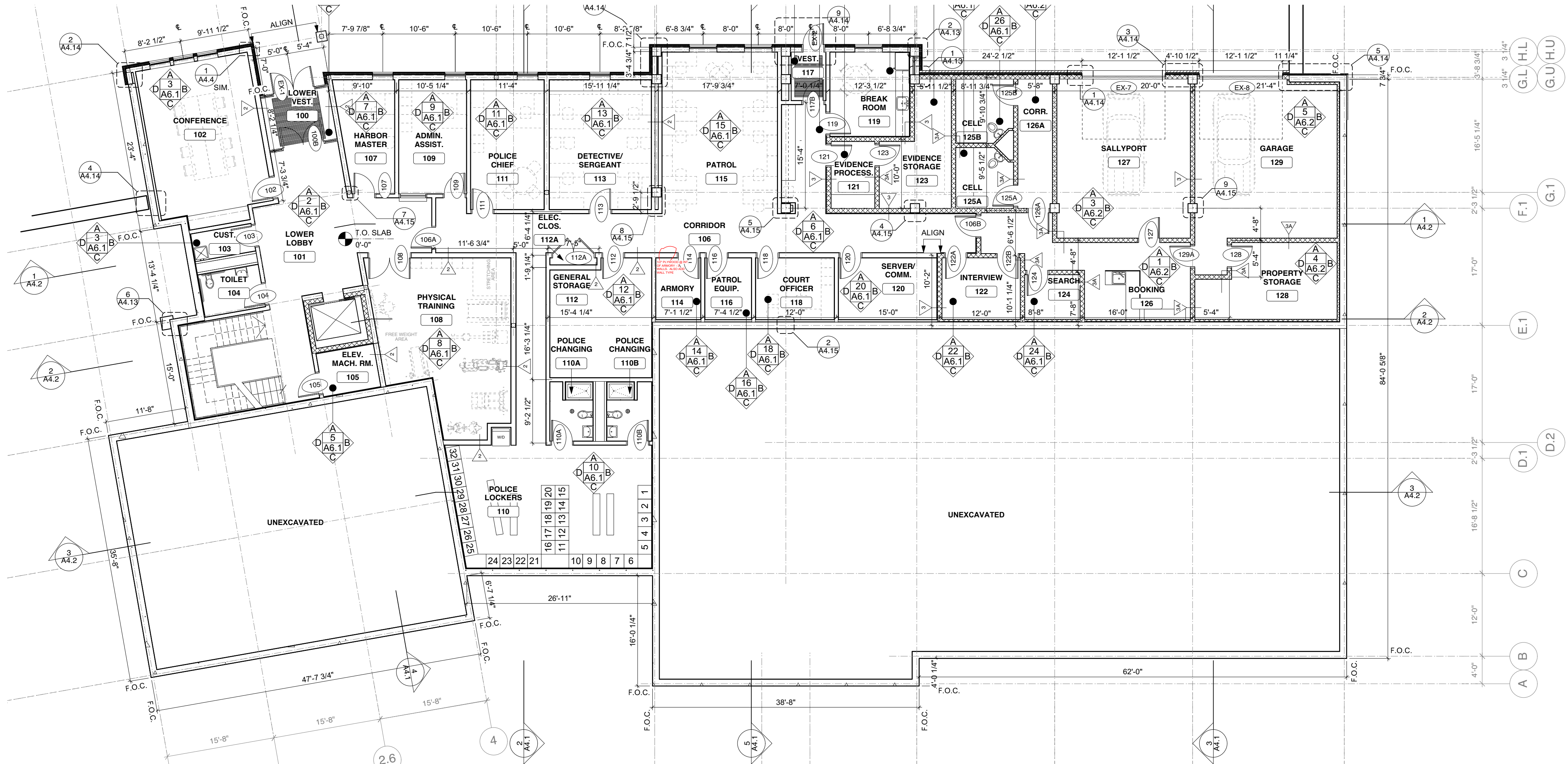
Essex Public Safety Building Project

Upper Level Plan



Essex Public Safety Building Project

Lower Level Plan



Exterior Elevations



Essex Public Safety Building Project										
60% CD Cost Estimate Summary									9/10/2019	
	PM&C (OPM)			Miyakoda Consulting (Architect)			Variance		DD	Variance
	GFA	24,505		GFA	24,505		GFA	-	Estimate	to DD
	Total Cost	Cost/SF		Total Cost	Cost/SF		Total Cost	Cost/Sf	Total Cost	Total Cost
BUILDING COSTS										
DIV. 3 CONCRETE	\$ 1,041,460	\$ 42.50		\$ 1,029,313	\$ 42.00		\$ 12,147	\$ 0.50	\$ 794,557	\$ 234,756
DIV. 4 MASONRY	\$ 428,567	\$ 17.49		\$ 418,570	\$ 17.08		\$ 9,997	\$ 0.41	\$ 368,401	\$ 50,169
DIV. 5 METALS	\$ 889,305	\$ 36.29		\$ 889,566	\$ 36.30		\$ (261)	\$ (0.01)	\$ 828,098	\$ 61,468
DIV. 6 WOODS & PLASTICS	\$ 182,023	\$ 7.43		\$ 191,403	\$ 7.81		\$ (9,380)	\$ (0.38)	\$ 177,583	\$ 13,820
DIV. 7 THERMAL & MOISTURE PROTECTION	\$ 935,680	\$ 38.18		\$ 929,477	\$ 37.93		\$ 6,203	\$ 0.25	\$ 926,723	\$ 2,754
DIV. 8 DOORS & WINDOWS	\$ 464,100	\$ 18.94		\$ 465,093	\$ 18.98		\$ (993)	\$ (0.04)	\$ 519,026	\$ (53,933)
DIV. 9 FINISHES	\$ 1,042,371	\$ 42.54		\$ 1,028,473	\$ 41.97		\$ 13,898	\$ 0.57	\$ 1,006,280	\$ 22,193
DIV 10 SPECIALTIES	\$ 287,993	\$ 11.75		\$ 284,070	\$ 11.59		\$ 3,923	\$ 0.16	\$ 315,670	\$ (31,600)
DIV. 11 EQUIPMENT	\$ 101,000	\$ 4.12		\$ 87,000	\$ 3.55		\$ 14,000	\$ 0.57	\$ 263,000	\$ (176,000)
DIV. 12 FURNISHINGS	\$ 119,215	\$ 4.86		\$ 116,863	\$ 4.77		\$ 2,352	\$ 0.10	\$ 97,569	\$ 19,294
DIV. 14 CONVEYING SYSTEMS	\$ 127,500	\$ 5.20		\$ 127,500	\$ 5.20		\$ -	\$ -	\$ 138,000	\$ (10,500)
DIV. 21 FIRE SUPPRESSION	\$ 158,460	\$ 6.47		\$ 164,595	\$ 6.72		\$ (6,135)	\$ (0.25)	\$ 168,382	\$ (3,787)
DIV. 22 PLUMBING	\$ 546,570	\$ 22.30		\$ 552,008	\$ 22.53		\$ (5,438)	\$ (0.22)	\$ 523,972	\$ 28,036
DIV. 23 HVAC	\$ 1,436,467	\$ 58.62		\$ 1,423,565	\$ 58.09		\$ 12,902	\$ 0.53	\$ 1,496,640	\$ (73,075)
DIV. 26 ELECTRICAL	\$ 1,234,440	\$ 50.38		\$ 1,261,868	\$ 51.49		\$ (27,428)	\$ (1.12)	\$ 1,265,694	\$ (3,826)
DIV. 31 EARTHWORK	\$303,539	\$ 12.39		\$ 309,194	\$ 12.62		\$ (5,655)	\$ (0.23)	\$ 273,921	\$ 35,273
SUBTOTAL BUILDING COSTS	\$ 9,298,690	\$ 379.46		\$ 9,278,561	\$ 378.64		\$ 20,129	\$ 0.82	\$ 9,163,516	\$ 115,045

Essex Public Safety Building Project

	PM&C (OPM)		Miyakoda Consulting (Architect)		Variance		DD	Variance
	GFA	24,505	GFA	24,505	GFA	-	Estimate	to DD
	Total Cost	Cost/SF	Total Cost	Cost/SF	Total Cost	Cost/Sf	Total Cost	Total Cost
SITEWORK								
DIV. 02 EXISTING CONDITIONS	\$	-	\$	45,719	\$	(45,719)	\$	44,819
DIV. 31 EARTHWORK	\$	395,362	\$	354,540	\$	40,822	\$	592,381
DIV. 32 EXTERIOR IMPROVEMENTS	\$	805,714	\$	811,353	\$	(5,639)	\$	572,971
DIV. 33 UTILITIES	\$	524,180	\$	508,738	\$	15,442	\$	572,162
DIV. 34 TRAFFIC CONTROL	\$	150,000	\$	150,000	\$	-	\$	150,000
SUBTOTAL SITEWORK	\$	1,875,256	\$	1,870,350	\$	4,906	\$	1,932,333
DEMO EXISTING BARN/HOUSE	\$	30,657.00	\$	30,000	\$	657	\$	30,000
HAZMAT REMOVAL ALLOWANCE	\$	26,500.00	\$	26,500.00	\$	-	\$	10,000
SUB-TOTAL DIRECT (TRADE) COST	\$	11,231,103	\$	11,205,411	\$	25,692	\$	11,135,849
DESIGN AND PRICING CONTINGENCY	3.0%	\$ 336,933	3.0%	\$ 336,162	\$	771	\$	556,792
SUB-TOTAL	\$	11,568,036	\$	11,541,573	\$	26,463	\$	11,692,641
GENERAL CONDITIONS / REQUIREMENTS	7.50%	\$882,344	7.50%	\$ 881,199	\$	1,145	\$	892,733
BONDS	1.00%	\$117,646	0.80%	\$ 100,376	\$	17,270	\$	88,979
INSURANCE	1.25%	\$147,057	1.00%	\$ 124,228	\$	22,829	\$	125,854
PERMIT		Waived		Waived		Waived		Waived
OVERHEAD AND FEE	3.00%	\$ 387,349	3.0%	\$ 379,421	\$	7,928	\$	320,005
SUB-TOTAL	\$	13,102,432	\$	13,026,797	\$	75,635	\$	13,120,212
ESCALATION	1.75%	\$ 196,544	1.92%	\$ 250,115	\$	(53,571)	\$	437,340
TOTAL OF ALL CONSTRUCTION	\$	13,298,976	\$	13,276,912	\$	22,064	\$	13,557,552
Demo existing public safety building (Inc. Haz Mat)	\$	145,447	\$	121,600	\$	23,847	\$	67,000
Regrade and provide lawn at existing public safety building	\$	47,121	\$	40,000	\$	7,121	\$	40,000
TOTAL W/EXISTING PUBLIC SAFETY SCOPE	\$	13,491,544	\$	13,438,512	\$	53,032	\$	13,664,552

Essex Public Safety Building Project
Additional Funding Necessary to Complete Base Scope
9/10/2019

	Budget at SD	Budget at 60% CD	Change from SD to 60% CD
CONSTRUCTION COST	\$ 15,048,539	\$ 13,465,028	\$ (1,583,511)
Construction of new building, demolition and restoration at existing site and demo/disposal of barn (60% CD value is the average of the two estimates)			
ARCHITECTURE & ENGINEERING	\$ 644,402	\$ 609,002	\$ (35,400)
Basic, Additional and Reimbursable Services			
ADMINISTRATION	\$ 502,826	\$ 512,826	\$ 10,000
OPM Basic Services, Additional and Reimbursable Services, Advertising, Printing, Permits and Owner's Insurance			
MISCELLANEOUS SOFT COSTS	\$ 141,610	\$ 158,000	\$ 16,390
Hazmat Monitoring & Testing, Commissioning, Material Testing and Inspection, Moving Costs and Utility Company Backcharges			
Re-use of Historic Barn Elements	\$ -	\$ -	\$ -
Careful Dismantling and Incorporation of Selected Elements in New Building (Cost was anticipated to be offset by CPA funding at SD Phase and has since been removed from the project scope as CPA funding would not be sufficient to cover the currently anticipated cost of \$200k+/-)			
FURNISHINGS & EQUIPMENT	\$ 300,000	\$ 400,000	\$ 100,000
Furnishings, Equipment and Technology			
CONTINGENCY	\$ 897,418	\$ 802,407	\$ (95,011)
Construction and Owner's Contingency (6% of Construction Cost)			
TOTAL BASE BUDGET	\$ 17,534,795	\$ 15,947,263	\$ (1,587,532)
MAY 2019 APPROPRIATION		\$ (497,105)	
ADDITIONAL FUNDING NEEDED		\$ 15,450,158	

