

Town of North Yarmouth Fire Department





North Yarmouth- Fire Department Space Programming

Fire Department Additional Space Needs				
Room Name:	# Rooms	Sqft per Room	Total Sqft	
Outdoor spaces				
Fire employee parking	20	162	3,240	
General Parking	6	162	972	
Sub-Total outdoor additional space needs for Fire Department			4,212	
Circulation Factor of 15%			632	
Total outdoor additional space needs for Fire Department			4,844	
Room Name:	# Rooms	Sqft per Room	Total Sqft	
Admin/Office Area				
Airlock	1	50	50	
Lobby/ Entrance	1	80	80 simple - no trophy case	
Admin Office	1	120	120 off lobby	
Lietenant Office	1	120	120	
Fire Chief Office	1	150	150	
Captain Office	1	120	120	
Deputy Chief Office	1	120	120	
Sheriff Office	1	198	198	
Small Conference Room	1	140	140	
Report/computer room/watch room	1	120	120	
Restrooms	2	70	140	
Records/Storage	1	40	40 4-6 file cabinets near chief and admin	
Training Room/LOC	1	1000	1,000 50 People in rows, CPR training	
Training Room Storage	1	120	120 Tables/chairs Mannequins	
Training Room Kitchen	1	60	60	
Janitor Closet	1	24	24	
			0	
			0	
Sub-Total Admin/Office Area			2,602	
Living Quarter Area				
Bunkroom	8	70	560 3 live-in students currently, 8 single rooms	
Bunkroom Bath/Shower	3	76	228 1 bathroom accessible from dayroom	
Bunkroom Storage	1	50	50 Slop sink / Storage	
Laundry (General)	1	60	60 1 washer and 1 dryer	
Kitchen/dining	1	750	750 w/ a small pantry and 2 refridgerators	
Fitness Room	1	400	400 2 cardio machines, 2 stair walkers, free weights	
Dayroom	1	500	500 8 people , recliners, open to	
Wellness Center	0	0	0 Part of Fitness	
Sauna	1	30	30	
			0	
			0	
			0	
Sub-Total Living Quarter Area			2,578	
App Bay Area				
App Bays (deep)	8	700	5,600 Additional 2 small bays, plymovent, elect. Drops, air drops.	
Restrooms	1	60	60	
Decon.	1	300	300 Standard layout	
Turnout Gear/lockers	1	480	480 combine turnout gear into one area - 45 lockers	
Call Company Turnout Gear/lockers	1	0	0 see above	
Gear Storage Room	1	192	192 12x16	
EMS supply Storage	1	96	96 8x12	

SCBA Filling Storage	1	100	100	Machine filled & empty - Workbench, req compressor (7 1/2' x 34" wide) 30" access doors
Projects(Machine Shop)	1	80	80	8x10
Training Tower	1	144	144	12x12
Mezzanine Storage	1	0	0	Additional Storage in app bays
			0	
			0	
			0	
			0	
Sub-Total App Bay Area			7,052	
Support Spaces				
IT/Server Room	1	140	140	
Mechanical Room	1	70	70	
Electrical Room(s)	2	80	160	Life Safety elec. And Electrical room under training tower
Sprinkler Room	1	120	120	
			0	
			0	
			0	
Sub-Total Support Spaces			490	
Sub-Total Square Footage Space Needs for Fire Department			12,722	
Circulation/grossing Factor of 30%			3,817	
Total programming for Fire Department			16,539	

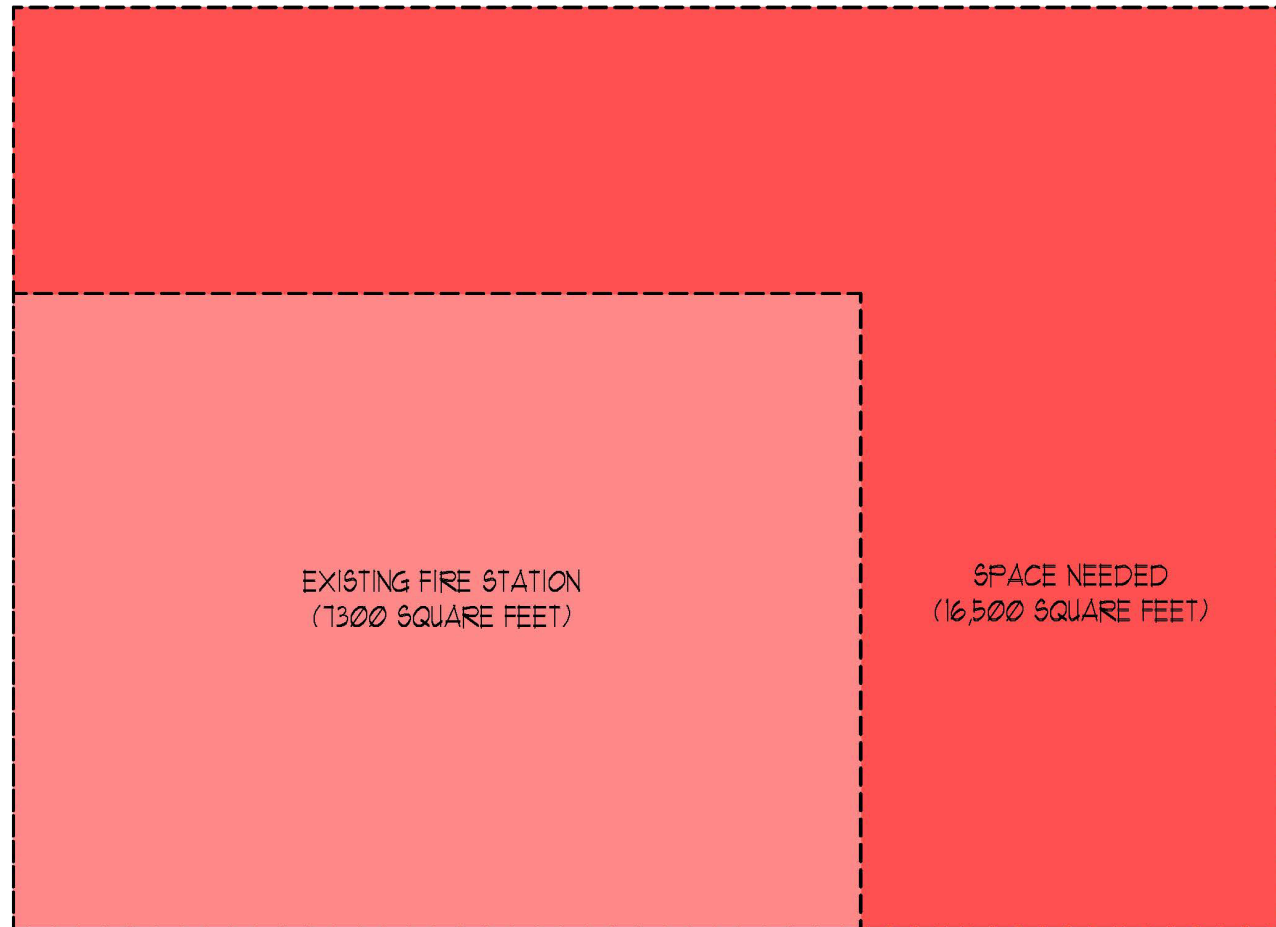
Space Programming

- Based on Space program analysis, a total square footage of 16,500 for a 2-story building is needed



North Yarmouth– Space Needs

Fire Department Space Comparison



Over double the existing square footage is needed for space



Apparatus Bay with Turn-out Gear within

Building Deficiencies

- Poorly Insulated
- No Sprinkler System
- Does not meet Essential Facility Code
- Does not meet ADA Code
- Missing many program requirements
 - Turn-out Gear
 - Bunkrooms
- No vehicle exhaust system
- Split Apparatus Bays
 - Small for apparatus
- Need of Storage



North Yarmouth – Existing Facility



Town Resident's Entry through Dayroom



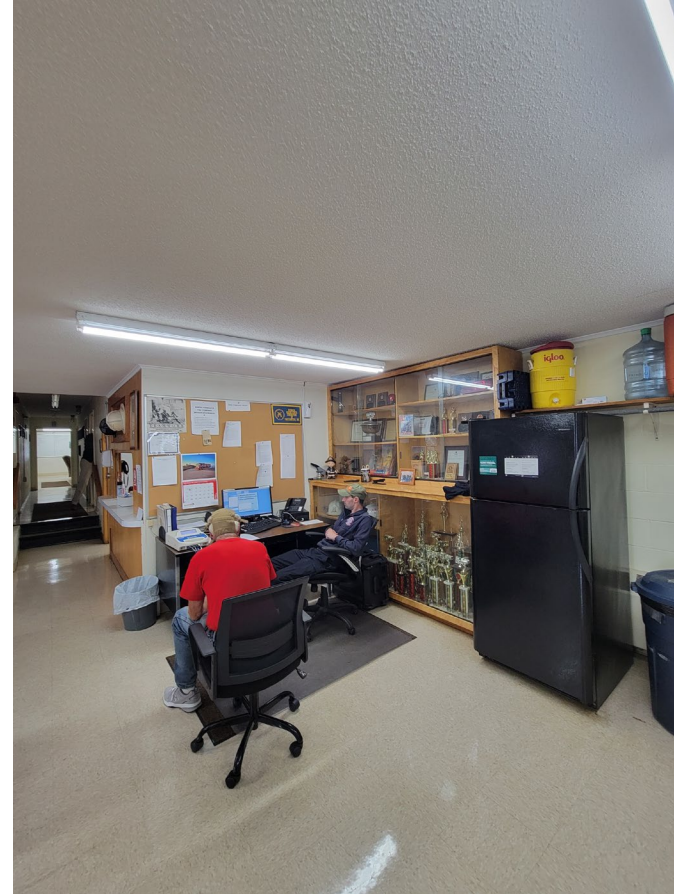
Existing Bunkroom



North Yarmouth – Existing Facility



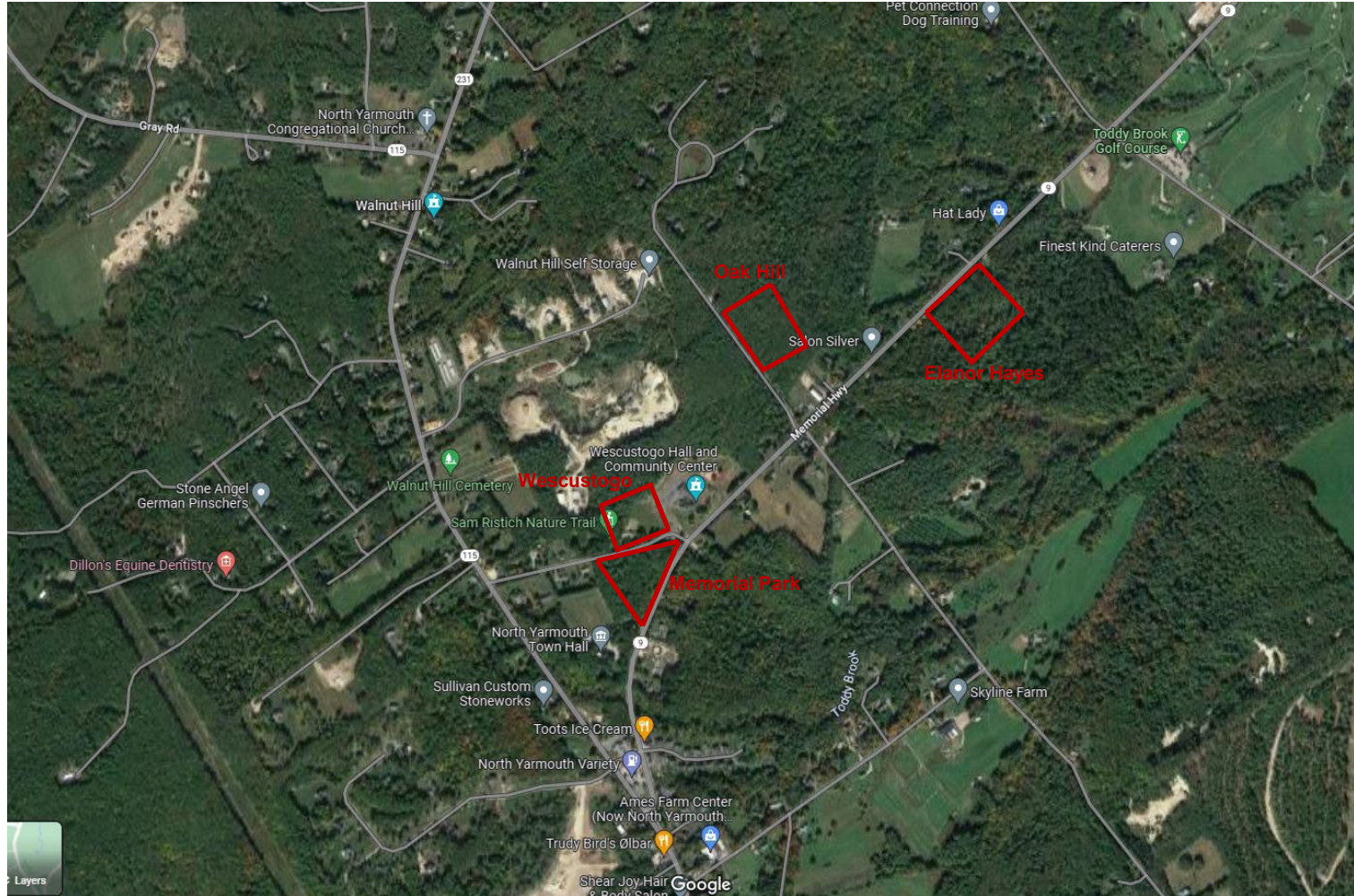
Non-compliant ADA bathroom



Report/Computer area inside Training Room



North Yarmouth – Possible Sites



Sites

Oak Hill

- Very steep, cost prohibited to create vast flat area

Elanor Hayes

- An important open space for the Town of North Yarmouth

Memorial Park

- An important open space for the Town of North Yarmouth

Wescustogo

- Requires the removal and relocation of a baseball field

North Yarmouth – Possible Station Site Layout



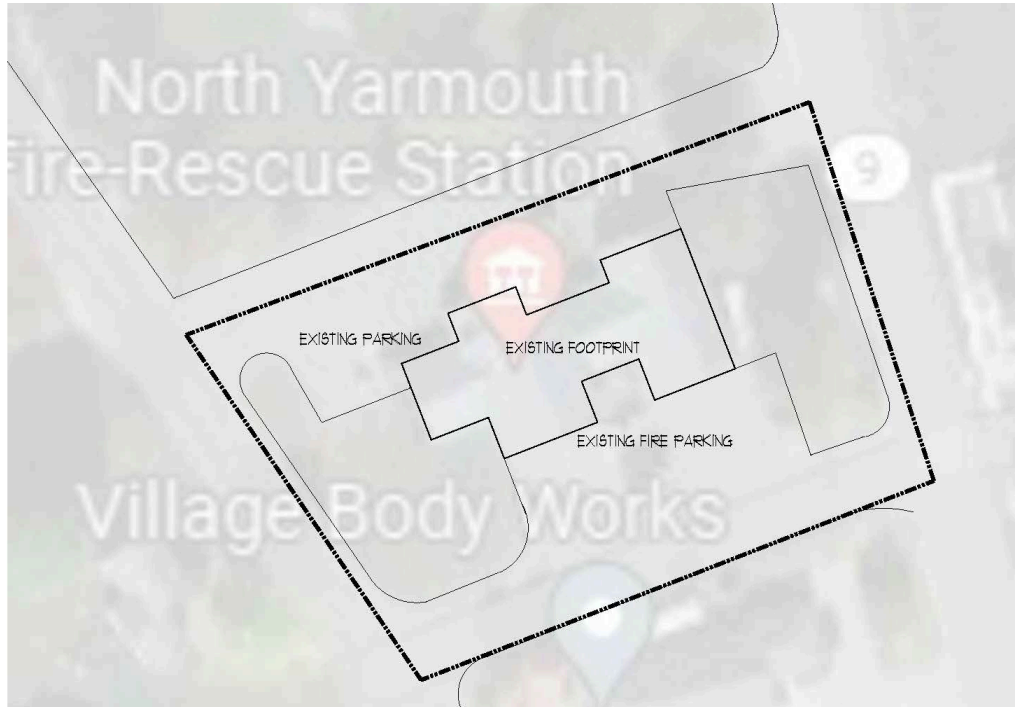
Wescustogo Site

Rough Costs

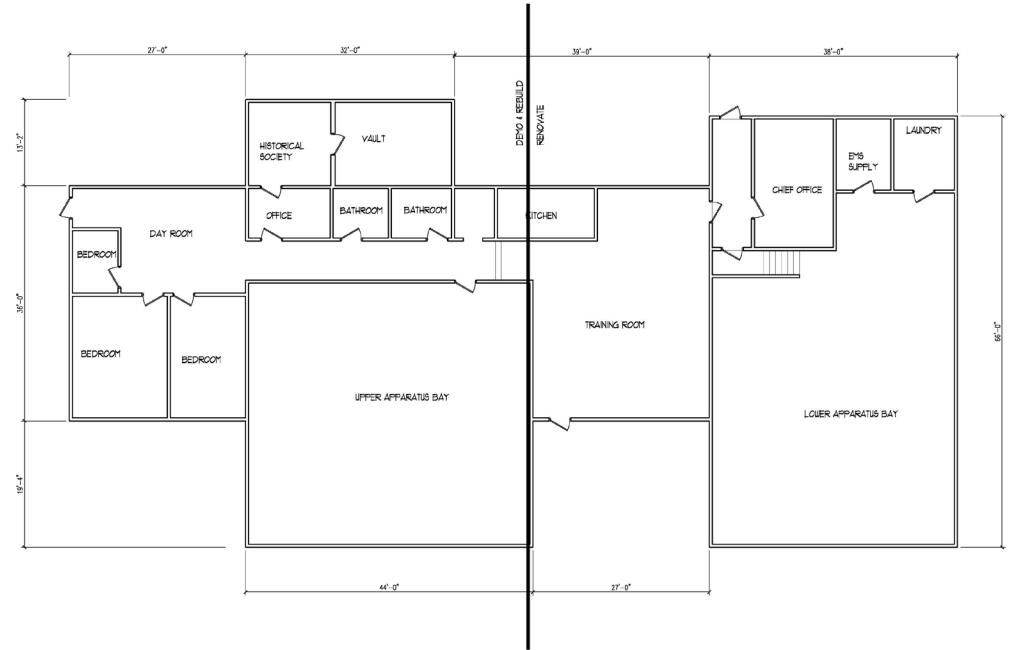
- New Turn-Key 1-story of 15,700 square feet for Fire Department at \$525 a square foot = **\$8,242,500**
- Removal and Relocation of Baseball Field = **\$1,000,000**
- **Total Cost for a new station = \$9,242,500**



North Yarmouth – Existing Site



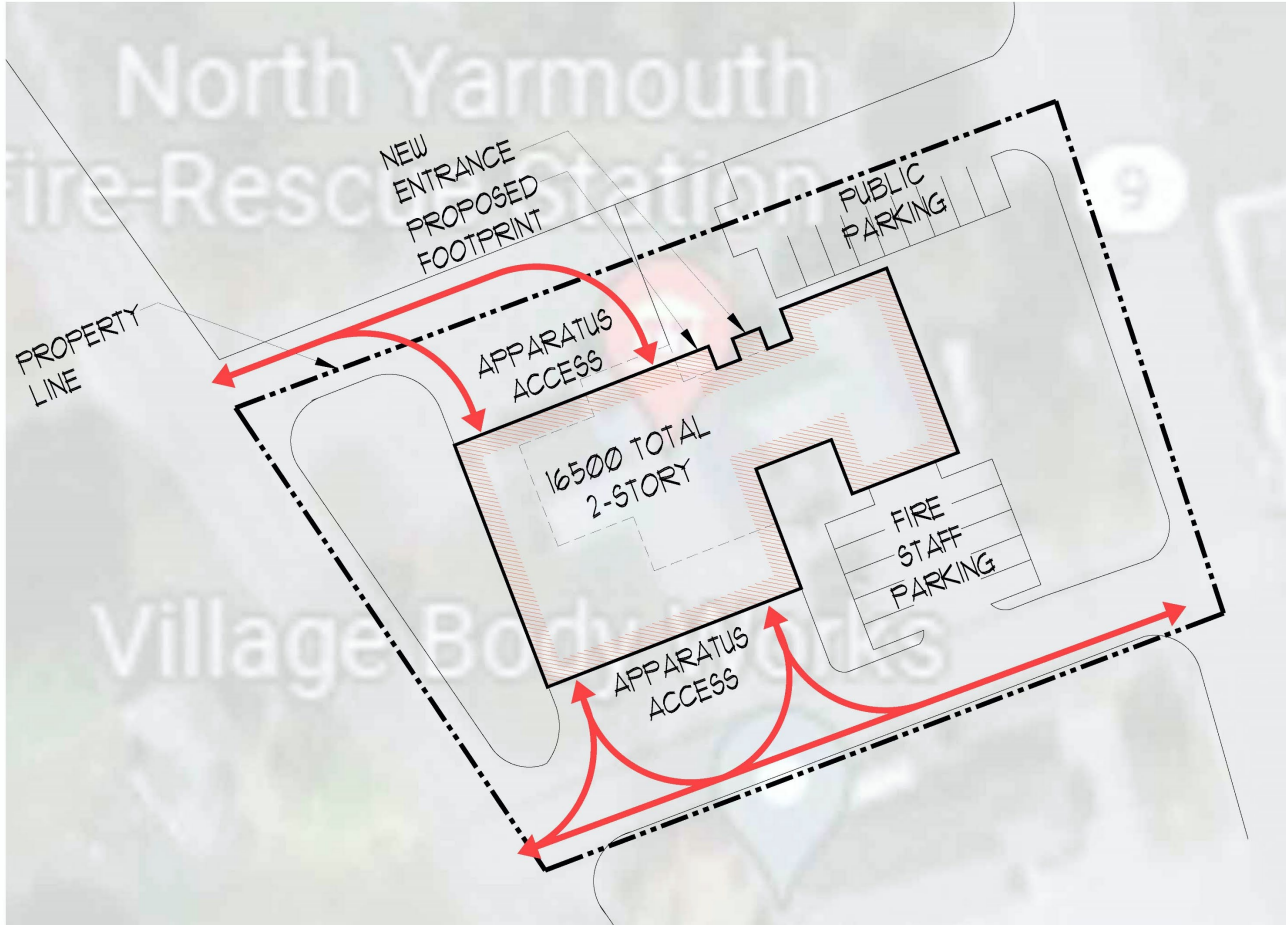
Existing Site Plan



Existing Floor Plan



North Yarmouth – Renovated Existing Site



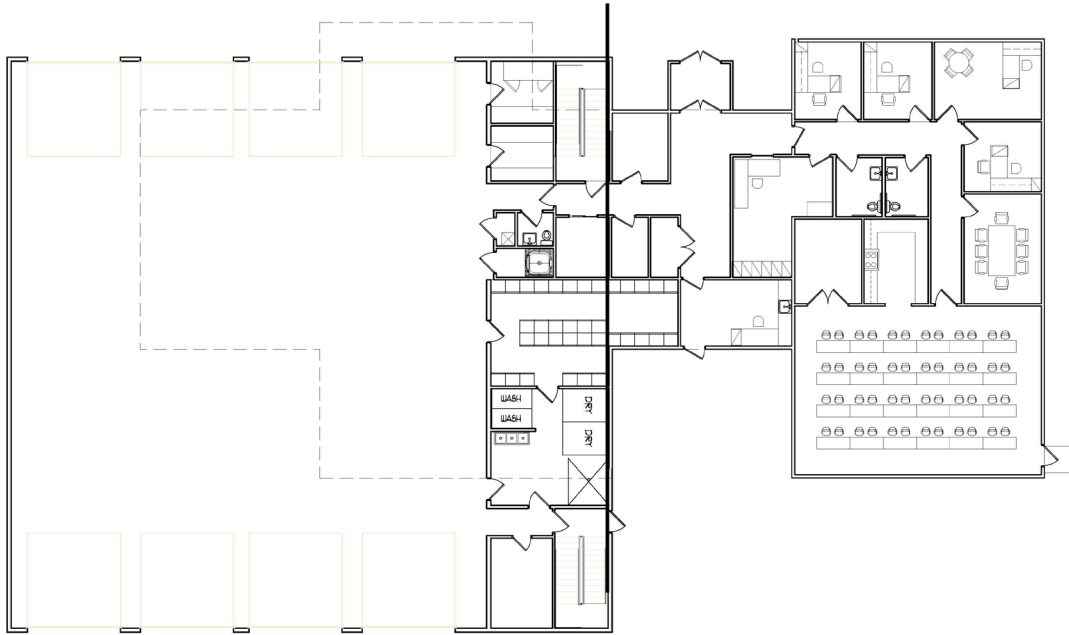
Conceptual Site Plan

Rough Costs

- Extensive Renovated space of 3,500 square feet at \$325 = **\$1,137,500**
 - New Turn-Key 2-story space of 13,000 square feet for Fire Department at \$525 = **\$6,825,000**
 - Temporary Housing/Restroom - **\$50,000-\$100,000**
- Total Project Costs = \$8,062,500**



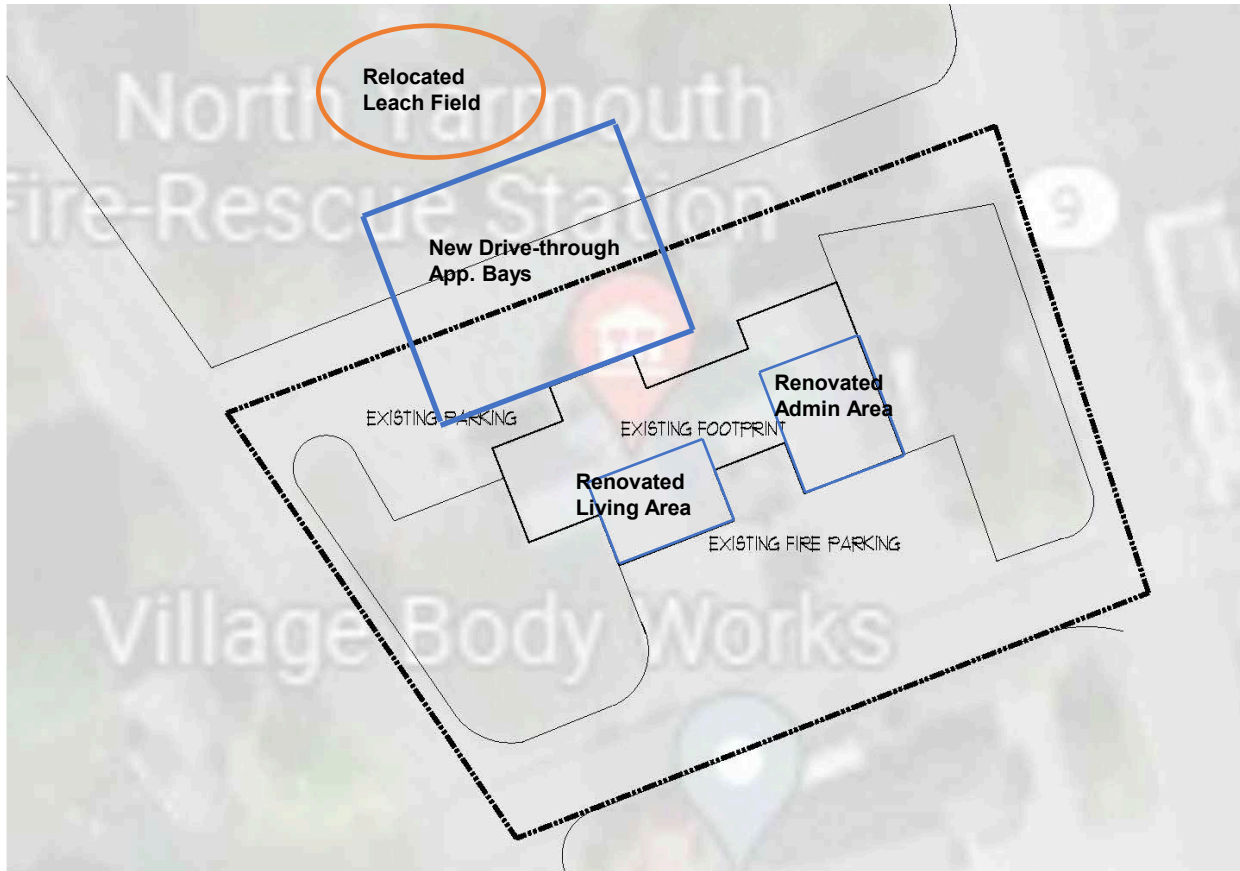
North Yarmouth – Renovated Existing Site



Conceptual First Floor Plan



Conceptual Second Floor Plan



Conceptual Site with Expansion

Rough Costs

- Renovated space of 3,600 square feet at \$300 = **\$1,080,000**
- New Turn-Key Apparatus Space of 7,000 square feet for Fire Department at \$500 = **\$3,500,000**

Total Project Costs = \$4,580,000