



## AGENDA

Project Introduction

Police Department  
Facility Assessment

Fire and Police Space  
Needs Assessment

Recommendations

Cost Modeling



## TOWN OF SALEM, NH

Fire and Police Facility Space Needs Assessment  
Board of Selectmen Presentation

29 July, 2019



# PROJECT INTRODUCTION



FACILITY



SPACE NEEDS



PROGRAM



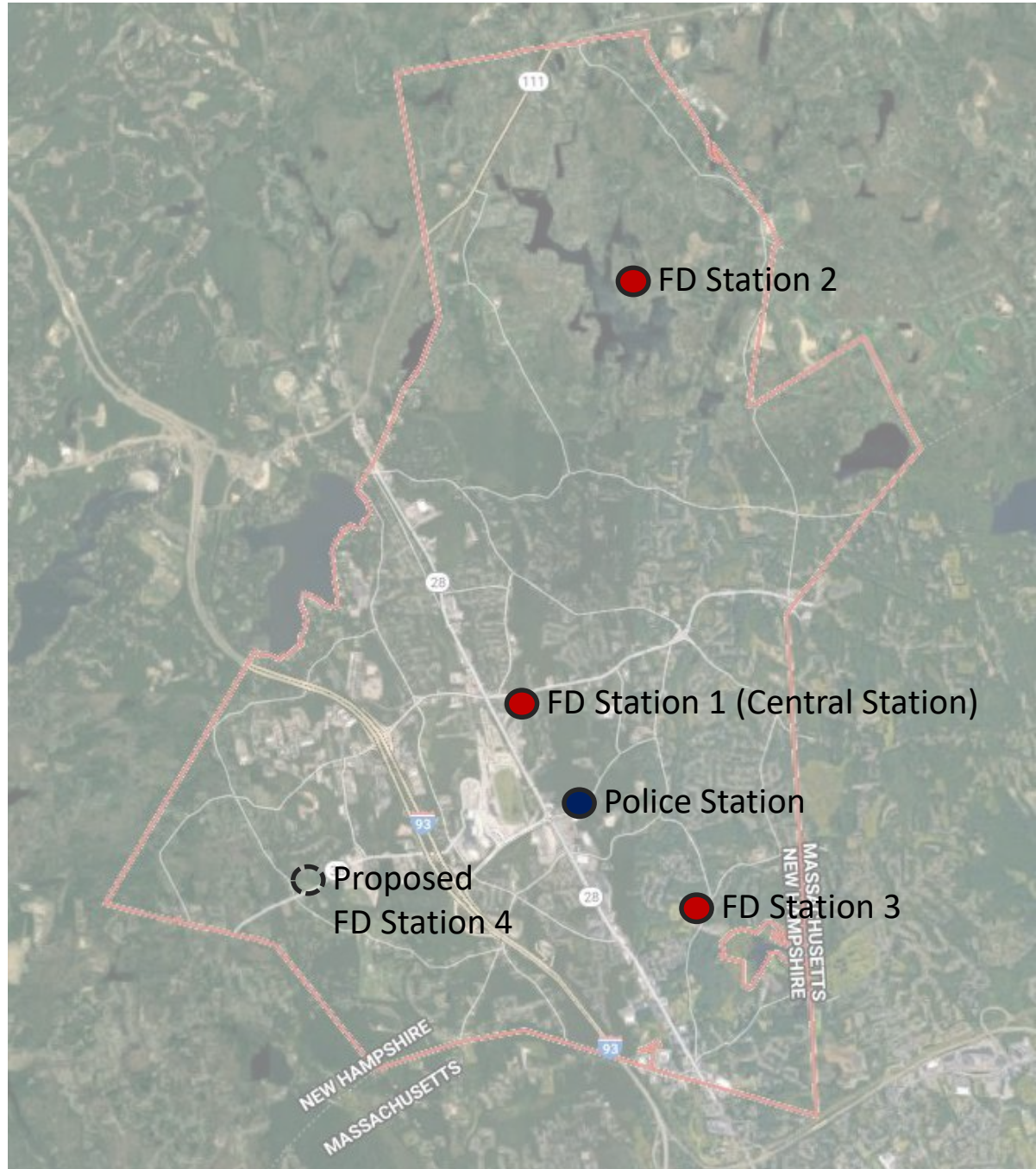
DESIGN



COST



REPORT



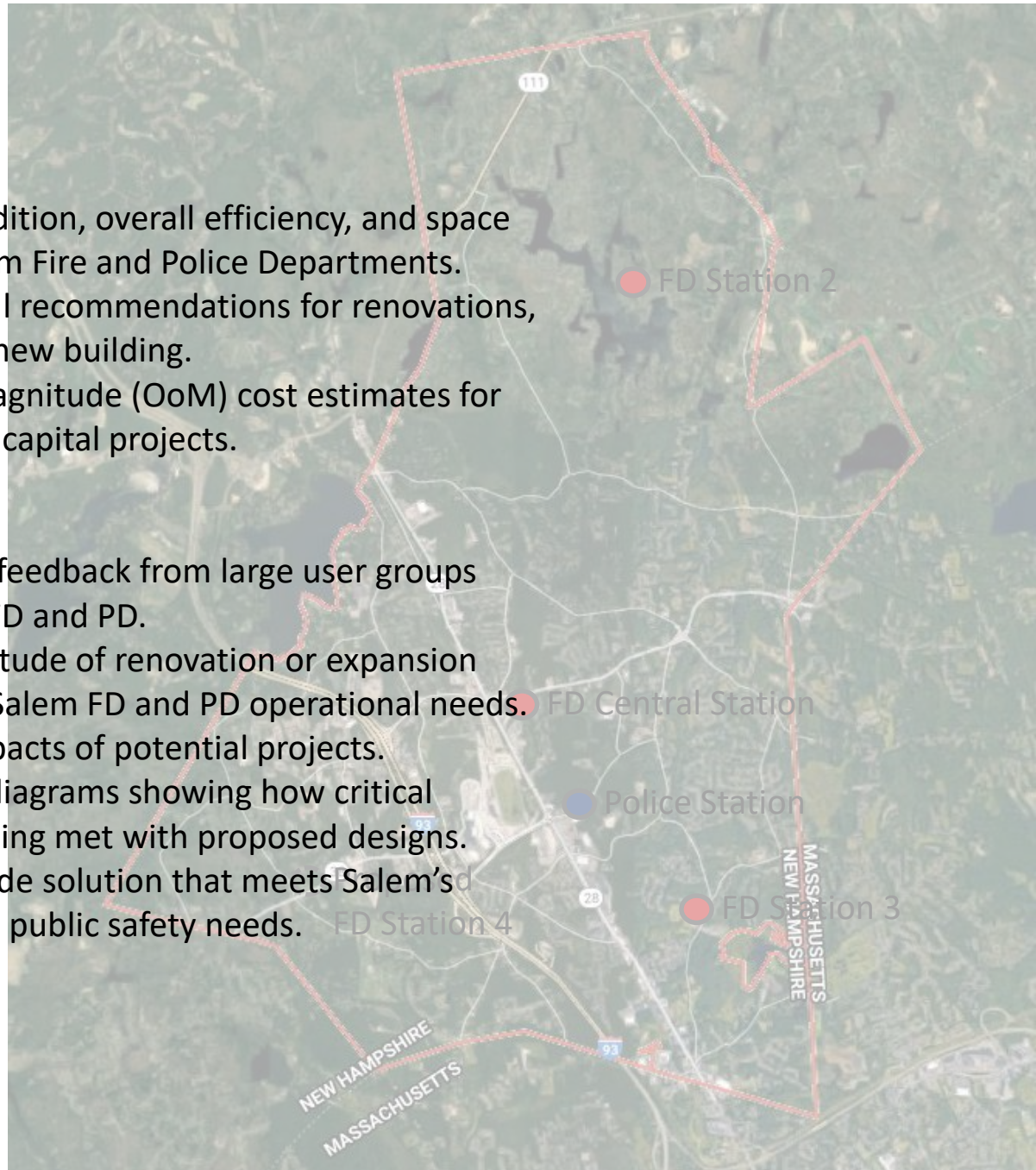


## PURPOSE

- Assess facility condition, overall efficiency, and space needs for the Salem Fire and Police Departments.
- Provide conceptual recommendations for renovations, additions, and/or new building.
- Create order of magnitude (OoM) cost estimates for planning of future capital projects.

## PROJECT GOALS

- Elicit space needs feedback from large user groups within the Salem FD and PD.
- Identify the magnitude of renovation or expansion required to meet Salem FD and PD operational needs.
- Represent Site impacts of potential projects.
- Create floor plan diagrams showing how critical adjacencies are being met with proposed designs.
- Present a town-wide solution that meets Salem's current and future public safety needs.

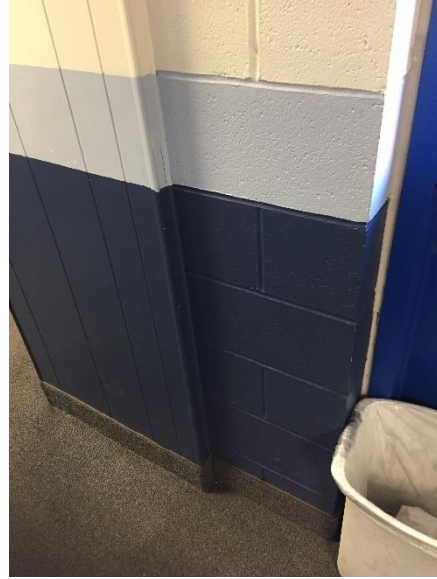


# **POLICE FACILITY ASSESSMENT**





# POLICE FACILITY ASSESSMENT



## Architectural and engineering assessment identified significant facility issues

- Overall facility condition is poor
- Building construction and systems do not support operational needs
- Many finishes and systems are in need of replacement

Salem, NH Police Department Existing Facilities Analysis																												Harriman		
BUILDING CONDITION SUMMARY TABLE																												Thursday, January 17, 2019		
		Summary Information					Building Exterior								Life Safety					Interior								19 Total Review Categories		Overall Condition Rating
BUILDING NAME	ADDRESS	YEAR CONSTRUCTED	CONSTRUCTION TYPE	BUILDING USE	BUILDING AREA (GSF)	TOTAL # OF FLOORS	Exposed Foundation	Brick / Masonry	Siding / Cladding	Windows	Doors	Canopies / Overhangs	Roof / Flashing	Fire Alarm / Strobes	CO / Smoke Detector	Life Safety: Exit Signs	Life Safety: Emergency Lighting	Condition of Walls	Base	Flooring	Ceiling	Stairs	Handrails	Doors	Glazing	Total Score	Building Average Rating			
Main Building	9 Veterans Memorial Parkway	1991	Masonry/Wood	Office		1	1.5	1.5	1	1.5	2	1.5	2	1	2	3	3	2	1	1.5	1.5	2	NA	2	2	32.0	1.78	Poor		
		Summary Information					Electrical			Lighting		Mechanical			Plumbing					Structure				38 Total Review Categories		Overall Condition Rating				
BUILDING NAME	ADDRESS	YEAR CONSTRUCTED		BUILDING USE	BUILDING AREA (GSF)	TOTAL # OF FLOORS	Service Entrance	Panel / Distribution	Emergency Power	Lighting	Lighting Controls	Boiler	Fuel	HVAC	Vented Police Area	Toilet Rooms	Kitchen	Domestic Water	Sprinkler Riser	Sprinkler Distribution	Showers	Wood Trusses	Observable Masonry	Headers / Lintels	Misc Metals / Stairs		Total Score	Building Average Rating		
Main Building	9 Veterans Memorial Parkway	1991	Masonry/Wood	Office		1	1	1	3	2.5	2	NA	3	1.5	1	2	NA	4	NA	NA	3	2	3	2.5	NA	63.5	1.98	Poor		
Rating Index																														
		1 Poor			2 Fair			3 Good			4 Very Good			5 Brand New																
Comments																														
Structural: Building structure appeared to be in fair condition however construction was likely not of a quality required for emergency facilities.																														
Architectural Exterior: Brick veneer from grade to 3 feet above grade is in poor condition: rest of brick is in fair condition. Painted wood siding on brick building is in fair condition and painted wood trim on brick building is in good condition. Wood trim and siding on modular building and detached storage buildings are in poor condition. Windows in brick portion of building are in fair condition: windows in modular portion are in poor condition.																														
Architctural Interior: Interior finishes ranged from poor to fair with some areas in relatively good condition but most areas in need of finishes replacement or upgrade. Many finishes such as carpeted wall base are difficult to clean and are not appropriate for public safety facilities.																														
Mechanical: Heat and air condition is provided by packaged gas-fired DX units in the attic. (2) units replaced 2 years ago. Overall, fresh air ventilation is poor. Additional heating and air conditioning is provided to the Dispatch by a ductless split AC unit with electric reheat. Additional air conditioning is provided to the data room by a ductless split AC unit system systems. Heat in Vestibules provided by local electric unit heaters. Jet filtration unit installed in Evidence. Exhaust fans in toilets, showers, and other areas are residential type. CARport exhaust fan runs constantly. Attic space vented by exhaust fans (running at time of review). Domestic water heater in Locker Room is relatively new.																														
Electrical: A lack of electrical capacity was observed throughout the facility as well as poor installation at several locations in the attic space.																														
Life Safety: No fire suppression system.																														
Operational Notes: The modular buildings are in poor condition in all categories, resulting in building area that cannot support the critical needs of a public safety facility. Deficiencies range from poor exterior envelope, lack of an appropriately secure environment, lack of ADA access, and poor indoor air quality.																														



# **SPACE NEEDS ASSESSMENT**



- Needs broken into primary and secondary facility
- Space needs = 39,140 additional SF than existing (382% more space)
- Major deficit areas:
  - Public access areas (including multi-purpose training room)
  - Support services
  - Dispatch
  - Patrol
  - Arrestee processing
  - Investigative Services
  - Lockers-fitness

Space Needs Assessment Summary PRIMARY POLICE FACILITY																			
Milestones	Authorized 2018		Move-in 2020		+1 2030		+2 2040					Existing Building Area	Move-in Area Totals	+1 Area Totals	+2 Area Totals	Remarks			
	Staffing Projection																# of Parking Spaces		
	Sworn or Nonsworn	SW	NS	SW	NS	SW	NS	SW	NS	Public	Fleet						Staff		
1	Public Access Areas		0	0	0	0	0	0	0	0	54	0	0	168	3,250	3,250	3,250	Includes 50-person Community/ Multi-purpose Training Room	
2	Support Services- Records Unit		0	4	0	4	0	4	0	4	2	0	4	794	1,264	1,264	1,264		
3	Prosecutor		0	3	0	3	0	3	0	3	0	0	3	270	330	330	330		
4	Chief / Administration		5	1	5	1	8	1	8	1	0	6	5	734	2,279	2,689	2,689		
5	Dispatch		0	9	0	9	0	9	0	9	0	0	7	228	1,659	1,659	1,659		
6	Patrol Division		42	0	46	0	47	0	48	0	0	23	23	1,398	4,417	4,417	4,417		
7	Arrestee Processing		0	0	0	0	0	0	0	0	1	0	0	1,215	4,313	4,313	4,313		
8	Community Services Unit		9	0	9	0	9	0	9	0	0	10	8	848	1,033	1,033	1,033		
9	Investigative Services		12	0	13	0	14	0	15	0	0	19	15	2,168	4,133	4,133	4,133		
10	Lockers - Fitness		0	0	0	0	0	0	0	0	0	0	0	1,209	3,539	3,539	3,539		
11	Staff Support Areas		0	0	0	0	0	0	0	0	0	0	0	369	1,081	1,081	1,081		
12	Building Support Areas		0	0	0	0	0	0	0	0	0	0	0	258	1,661	1,661	1,661		
13	Subtotals		68	17	73	17	78	17	80	17	57	58	65	9,659	28,957	29,367	29,367	Department Gross Area	
14	Total Staff and Parking Required		85		90		95		97		57		123						
15	- Exterior Wall 6%														1,737	1,762	1,762		
16	- Circulation between work areas 8%														2,317	2,349	2,349		
17	- Structure/ MEP 7%														2,027	2,056	2,056		
18	- Vertical Circulation (2-levels) 3%														869	881	881		
19	Gross Area Totals													11,912	35,907	36,416	36,416	Building Gross Area	





- Needs broken into primary and secondary facility
- Space needs = 39,140 additional SF than existing (382% more space)
- Major deficit areas:
  - Property/evidence storage
  - Evidence processing
  - Special operations
  - Patrol garage
  - Animal control

Space Needs Assessment Summary SECONDARY POLICE FACILITY																	
Milestones	Authorized 2017		Move-in 2020		+1 2030		+2 2040		# of Parking Spaces			Existing Building Area	Move-in Area Totals	+1 Area Totals	+2 Area Totals	Remarks	
	Staffing Projection																
	Sworn or Nonsworn	SW	NS	SW	NS	SW	NS	SW	NS	Public	Fleet	Staff					
20 Property/ Evid Storage	1	0	1	0	1	0	1	0	1	1	1	778	1829	2094	2359	Indoor Firing Range & Support Spaces shown on Line 26 below.	
21 Evidence Processing	0	0	0	0	0	0	0	0	0	0	0	0	535	535	535		
22 Training Unit	0	0	0	0	0	0	0	0	0	0	0	0	1,311	1,495	1,495		
23 Traffic Garage												490	508	508	508		
24 K9 Support Spaces													288	288	288		
25 Special Operations Unit (SOU/SWAT)													298	298	298		
26 Firing Range & Range Support Spaces													4,342	4,342	4,342		
27 Patrol Garage													1,100	1,100	1,100		
28 Motors Garage												550	739	739	739		
29 Animal Control Building	0	0	0	0	0	0	0	0	2	0	2		2,059	2,059	2,059		
30 Subtotals	1	0	1	0	1	0	1	0	3	1	3	1,818	13,008	13,457	13,723	Department Gross Area	
31 Total Staff and Parking Required	1		1		1		1		3		4						
32 - Exterior Wall 6%													780	807	823		
33 - Circulation between work areas 8%													1,041	1,077	1,098		
34 - Structure/ MEP 7%													911	942	961		
35 Gross Area Totals												1,968	15,740	16,283	16,604	Building Gross Area	
36																	
37 PRIMARY POLICE BUILDING													35,907	36,416	36,416	Building Gross Area	
38 SECONDARY POLICE BUILDING													15,740	16,283	16,604	Building Gross Area	
39 COMBINED TOTAL												13,880	51,647	52,699	53,020	Building Gross Area	



- Site space needs presented difficulties redeveloping existing site

Milestones	# of Parking Spaces			Space Code	Existing Site	Planning Milestone +2	
	Public	Fleet	Staff			Area Totals	
						SF	Acre
<b>Building Footprint</b>						<u>48,583</u>	<u>1.12</u>
Primary Building							
• Ground Floor Spaces				26,677		26,677	
• Second Floor Spaces				9,739			
Secondary Building				36,416			
• Ground Floor Spaces				16,604		16,604	
Future Expansion Allowance				10%		5,302	
				53,020			
<b>Parking Areas</b>						<u>94,581</u>	<u>2.17</u>
Non-secure Public Parking							
• Police Business/ Visitors	6			AUTO		2,100	
• Community/ Training Room	50			AUTO		17,500	
• Bond-Release/ Property Return	2			AUTO			
• Animal Control	2			AUTO			
Secure Staff Parking (shift change peak)							
• Personal Vehicles			68	AUTO			
• Fleet Vehicles		59		FLEET			
• Specialty Vehicles							
1. Traffic Trailer		1		375			
2. SOU Vehicle		1		375			
-		0		0			
Security Gates (for secure parking area)			2	960			
Parking lot net-to-gross area factor				34%			
• Handicap Spaces							
• Landscaped Islands							
• Cross-aisle(s)							
• Walkways							
• Snow-removal Stacking Space							

30	<b>Facility Support &amp; Equip/ Site Amenities &amp; Features</b>				<u>14,920</u>	<u>0.34</u>
31	K9 Support Areas					
32	• Outdoor Caged Run (Sheltered)	2	80		160	
33	Animal Control Support Areas					
34	• Outdoor Caged Run (Sheltered)	5	32		160	
35	Service & Equipment Area Allowance					
36	• Loading Area	1	1,080		1,080	
37	• Trash Dumpster (Incl. pad & screen)	2	276		552	
38	• Electrical Transformer	1	228		228	
39	• Emergency Generator	1	360		360	
40	• Chiller	1	360		360	
41	Public Plaza/ Flags/ Officer Memorial	1	800		800	
42	Staff Break Patio	1	400		400	
43	Landscaping / Buffer Allowance		25%		10,820	
44	Security Fencing					
45	Radio Tower/ Monopole	0	0		0	
46						
47	<b>Standards and Regulatory Requirements</b>				<u>183,606</u>	<u>4.22</u>
48	Building - Vehicle Security Stand-off Allowance		80		12,923	
49	Stormwater Detention Area				30,781	
50	Setback/ Yard/ Open Space Allowance				139,901	
51						
52	Subtotals				341,690	7.8
53	Site Complexity/ Irregularity Factor 15%					1.2
54	<b>Site Area* (acres)</b>				<b>7.8</b>	<b>to 9.0</b>



- Inspectional Services, currently located in town Hall, is included in Station 1
- Space needs = 29,187 additional SF than existing (315% more space)
- Major deficit areas:
  - Public access areas (including community/EOC room)
  - Apparatus bay
  - Training support
  - Vehicle maintenance

Space Needs Assessment Summary STATION 1																	
Milestones	Authorized 2019		Move-in 2021		+1 2031		+2 2041		# of Parking Spaces			Existing Building Area	Move-in Area Totals	+1 Area Totals	+2 Area Totals	Remarks	
	Staffing Projection																
	Ft	PT	FT	PT	FT	PT	FT	PT	Public	Fleet	Staff						
1 Public Access Areas	0	0	0	0	0	0	0	0	95	0	0		3,892	3,892	3,892	Includes Community/ Training/ EOC Room for 75 people	
2 Administration/ Inspectional Services	18	2	18	2	21	2	21	2	2	8	21		6,408	6,833	6,833		
3 Communications	5	2	5	2	7	0	7	2	0	0	5		1,569	1,806	1,806		
4 Day Space Areas	0	0	0	0	0	0	0	0	0	0	0		2,608	2,608	2,608		
5 Staff Quarters & Support	36	0	36	0	36	0	40	0	0	0	18		2,485	2,485	2,485		
6 Stationhouse Operations & Support	1	0	1	0	1	0	1	0	0	0	1		3,141	3,141	3,141		
7 Apparatus/ Vehicle Accommodation	0	0	0	0	0	0	0	0	0	0	0		7,925	7,925	7,925		
8 Vehicle Maintenance	0	0	0	0	0	0	0	0	0	0	0		3,722	3,722	3,722	Includes mezzanine area of ~440sf	
9 Training	0	0	0	0	0	0	0	0	0	0	0		2,183	2,183	2,183	Includes mezzanine Training & Storage area of ~1,000sf	
10 Building Support Spaces	0	0	0	0	0	0	0	0	0	0	0		741	741	741		
11 Subtotals	60	4	60	4	65	2	69	4	97	8	45		34,674	35,336	35,336	Department Gross Area	
12 Total Staff and Parking Required	64		64		67		73		97		53						
13 - Exterior Wall 6.0%													2,080	2,120	2,120		
14 - Circulation between work areas 8.0%													2,774	2,827	2,827		
15 - Structure/ MEP 5.5%													1,907	1,943	1,943		
16 - Vertical Circulation (2-levels) 1.5%												520	530	530			
17 Gross Area Totals	Existing Area: FS#1 (12,360sf) + Insp Svcs (1,210sf) = 13,570sf											~13,570	41,955	42,757	42,757	Building Gross Area	





- Space needs = 3,107 additional SF than existing (149% more space)
- Major deficit areas:
  - Staff quarters and support
  - Stationhouse operations and support

Space Needs Assessment Summary STATION 2																		
Milestones	Authorized 2019		Move-in 2021		+1 2031		+2 2041		# of Parking Spaces			Existing Building Area	Move-in Area Totals	+1 Area Totals	+2 Area Totals	Remarks		
	Staffing Projection																	
	Ft	PT	FT	PT	FT	PT	FT	PT	Public	Fleet	Staff							
1 Public Access Areas	0	0	0	0	0	0	0	0	2	0	0		279	279	279			
2 Day Space Areas (Note: Red highlighted)	0	0	0	0	0	0	0	0	0	0	0		1,418	1,418	1,418			
3 Staff Quarters & Support (Note: Red high	20	0	20	0	20	0	20	0	0	0	10		1,545	1,545	1,545			
4 Stationhouse Operations & Support (Note	0	0	0	0	0	0	0	0	0	0	0		1,296	1,296	1,296			
5 Apparatus/ Vehicle Accommodation	0	0	0	0	0	0	0	0	0	0	0		3,348	3,348	3,348			
6 Training	0	0	0	0	0	0	0	0	0	0	0		0	0	0			
7 Building Support Spaces	0	0	0	0	0	0	0	0	0	0	0		264	264	264			
8 Subtotals	20	0	20	0	20	0	20	0	2	0	10		8,150	8,150	8,150	Department Gross Area		
9 Total Staff and Parking Required	20		20		20		20		2		10							
10 - Exterior Wall 4.5%	(Adjusted to reflect existing spaces that remain)													367	367		367	
11 - Circulation between work areas 7.5%	(Adjusted to reflect existing spaces that remain)													611	611		611	
12 - Structure/ MEP 4.5%	(Adjusted to reflect existing spaces that remain)													367	367		367	
13 - Vertical Circulation (2-levels) 0.0%													0	0	0			
14 Gross Area Totals												~6,388	9,495	9,495	9,495	Building Gross Area		



- Space needs = 12,562 additional SF than existing (355% more space)
- Major deficit areas:
  - Public access areas (including first aid station)
  - Day space and support
  - Stationhouse operations and support
  - Apparatus bay
  - Apparatus and equipment storage (currently located at old Station 2)

Space Needs Assessment Summary STATION 3																
Milestones	Authorized 2019		Move-in 2021		+1 2031		+2 2041		# of Parking Spaces			Existing Building Area	Move-in	+1	+2	Remarks
	Staffing Projection												Area Totals	Area Totals	Area Totals	
	Fl	PT	FT	PT	FT	PT	FT	NS	Public	Fleet	Staff					
1 Public Access Areas	0	0	0	0	0	0	0	0	2	0	0		584	584	584	
2 Day Space Areas (Note: Red highlighted)	0	0	0	0	0	0	0	0	0	0	0		1,418	1,418	1,418	
3 Staff Quarters & Support (Note: Red high	20	0	20	0	20	0	28	0	0	0	14		1,545	1,545	1,818	
4 Stationhouse Operations & Support (Note	0	0	0	0	0	0	0	0	0	0	0		1,370	1,370	1,370	
5 Apparatus/ Vehicle Accommodation	0	0	0	0	0	0	0	0	0	0	0		9,337	9,337	9,337	Includes apparatus from East Broadway Storage Building
6 Training	0	0	0	0	0	0	0	0	0	0	0		0	0	0	
7 Building Support Spaces	0	0	0	0	0	0	0	0	0	0	0		286	286	286	
8 Subtotals	20	0	20	0	20	0	28	0	2	0	14		14,539	14,539	14,812	Department Gross Area
9 Total Staff and Parking Required	20		20		20		28		2		14					
10 - Exterior Wall 4.5%													654	654	667	
11 - Circulation between work areas 7.5%													1,090	1,090	1,111	
12 - Structure/ MEP 4.5%													654	654	667	
13 - Vertical Circulation (2-levels) 1.5%													218	218	222	
14 Gross Area Totals												~4,916	17,156	17,156	17,478	Building Gross Area



- New West Salem substation with large outdoor training area

Space Needs Assessment Summary STATION 4																
Milestones	Authorized 2019		Move-in 2024		+1 2034		+2 2044		# of Parking Spaces				Move-in	+1	+2	Remarks
	Staffing Projection															
	Ft	PT	FT	PT	FT	PT	FT	NS	Public	Fleet	Staff		Area Totals	Area Totals	Area Totals	
1 Public Access Areas	0	0	0	0	0	0	0	0	2	0	0		584	584	584	
2 Day Space Areas	0	0	0	0	0	0	0	0	0	0	0		1,418	1,418	1,418	
3 Staff Quarters & Support	0	0	20	0	20	0	28	0	0	0	14		1,545	1,545	1,818	
4 Stationhouse Operations & Support	0	0	0	0	0	0	0	0	0	0	0		1,370	1,370	1,370	
5 Apparatus/ Vehicle Accommodation	0	0	0	0	0	0	0	0	0	0	0		4,998	4,998	4,998	
6 Training (see below)	0	0	0	0	0	0	0	0	0	0	0		0	0	0	
7 Building Support Spaces	0	0	0	0	0	0	0	0	0	0	0		264	350	350	
8 Subtotals	0	0	20	0	20	0	28	0	2	0	14		10,179	10,264	10,537	Department Gross Area
9 Total Staff and Parking Required	0		20		20		28		2		14					
10 - Exterior Wall 6.0%													611	616	632	
11 - Circulation between work areas 8.0%													814	821	843	
12 - Structure/ MEP 5.5%													560	565	580	
13 - Vertical Circulation (2-levels) 0.0%													0	0	0	
14 Gross Area Totals													12,163	12,266	12,592	Building Gross Area
Combined Ops Training Center (Co-locate with Station 4)																
1 Combined Ops Training Center											12					Custom designed using Intermodal Containers/ Container Express (ConEx) Boxes for smoke and live fire training opportunities. 4 to 5 stories tall with multiple fire set areas and different configurations on each level. Can be equipped with smoke exhaust, stair and railings.
2 Multi-Story ConEx Training Tower: 5 to 10 containers																
3																
4 Concrete Training/ Skills Pad (~240 ft x 300 ft)																
5 Drafting/ Pumping Vault																
6																
7 Training Props																
8 • Concrete Pad: Vehicle Extraction Training																
9 • Roof Vent Prop																
10																
11 Storage & Equipment Building																
12																
13 Circulation/ Buffer/ Open space (20%)																
14																
15																
16 Parking	0	0	0	0	0	0	0	0	0	0	12					
17 Minimum Site Area													2.5	2.5	2.5	Acres
18																





# RECOMMENDATIONS

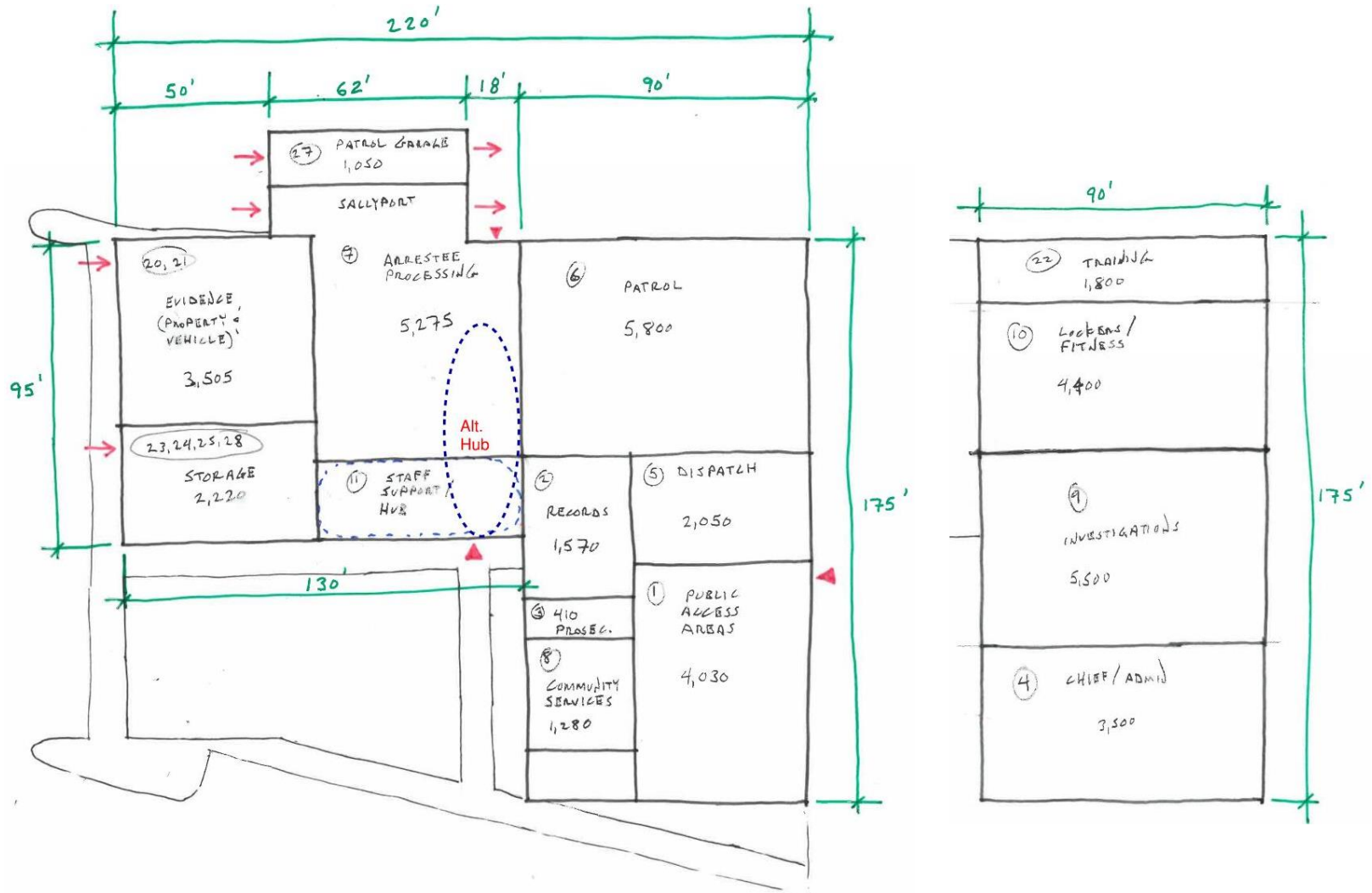


- **Primary Facility in 2-story block**
- **Secondary Facility in 1-story block**
- **Plan works within existing site development limitations**
- **Requires relocating PD during construction**



## Adjacency Diagram

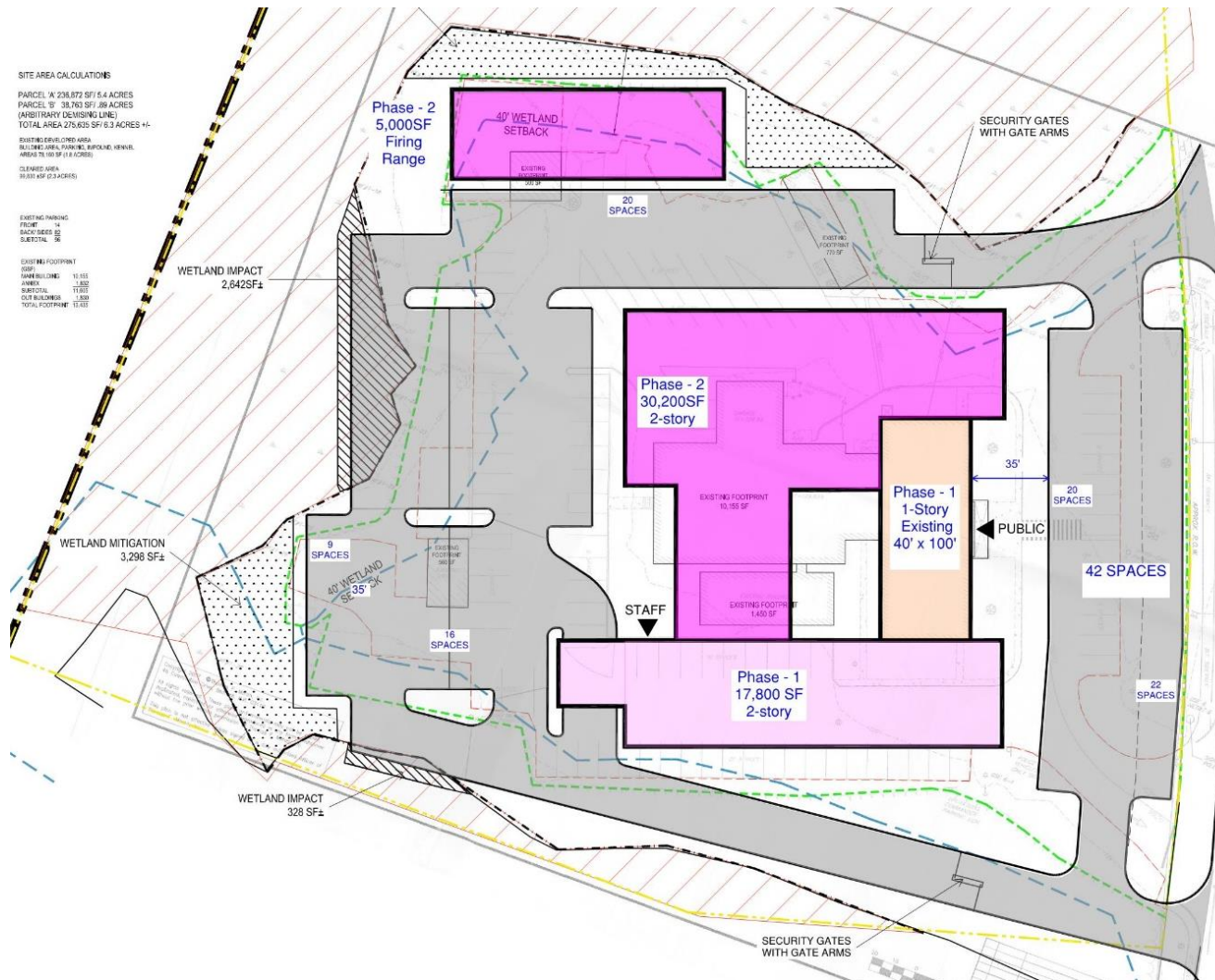
- Program functions around a central hub
- Adjacencies are strong





# PHASED 2-STORY PD CONCEPT

- Allows PD to remain onsite during phased construction
- Includes firing range
- Minor wetland impact



## BUILDING SUMMARY

### Phase-1

Existing 4,000 sf

New 8,900 sf x 2 17,800 sf

Subtotal 12,900sf footprint /21,800sf total

### Phase-2

Footprint 15,100sf x2 30,200sf

firing range 5,000 sf

Total Phase-2 35,200sf

Total Phase-1 21,800sf

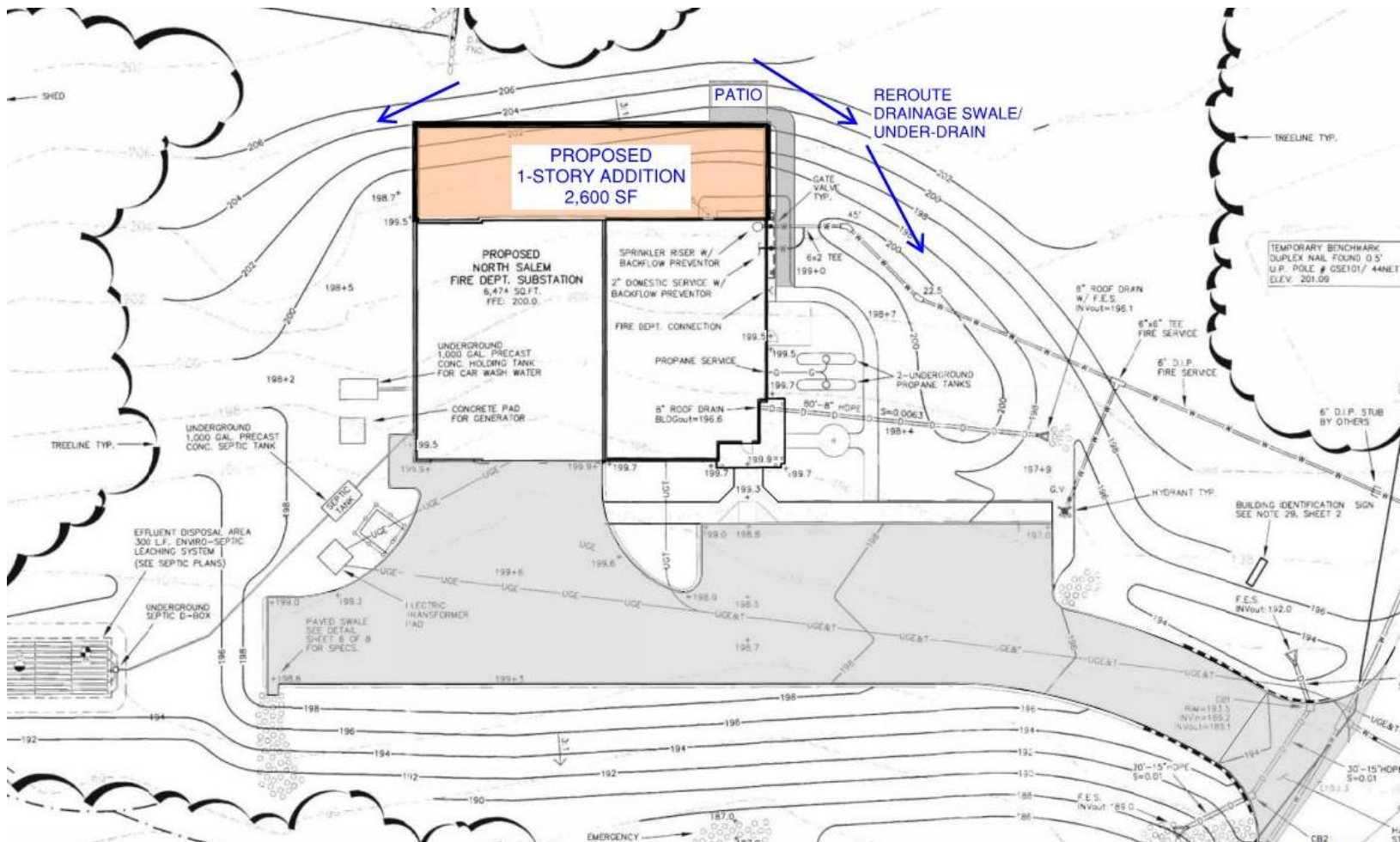
Total Buildings 57,000 sf





## Addition / Renovation

- Addition located along rear side of existing building
- Dedicated site area for public and FD operations



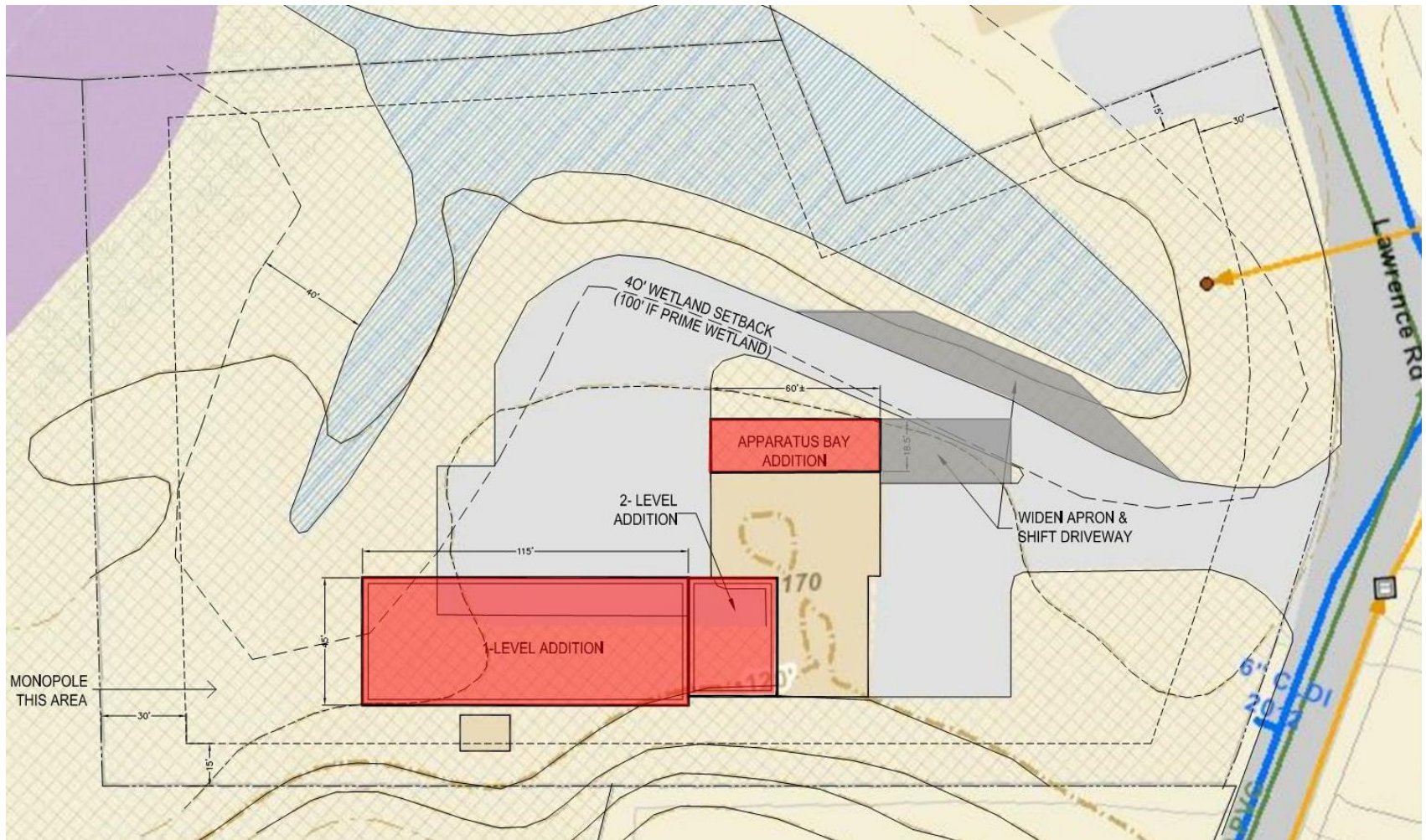


## Addition / Renovation Adjacency Diagram

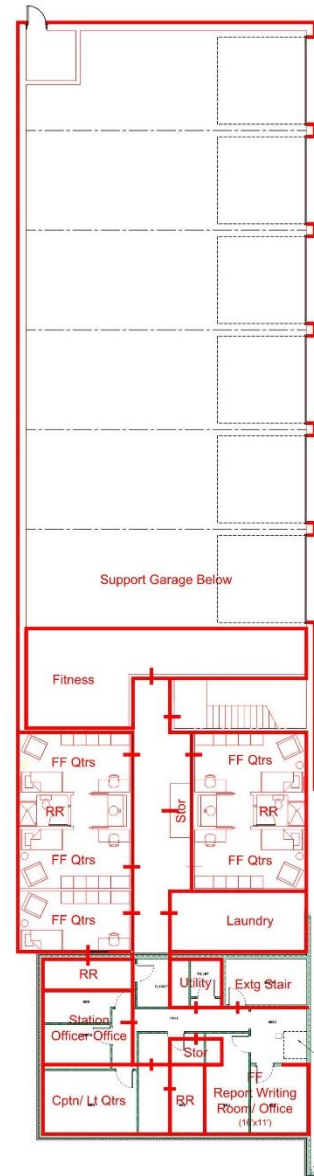
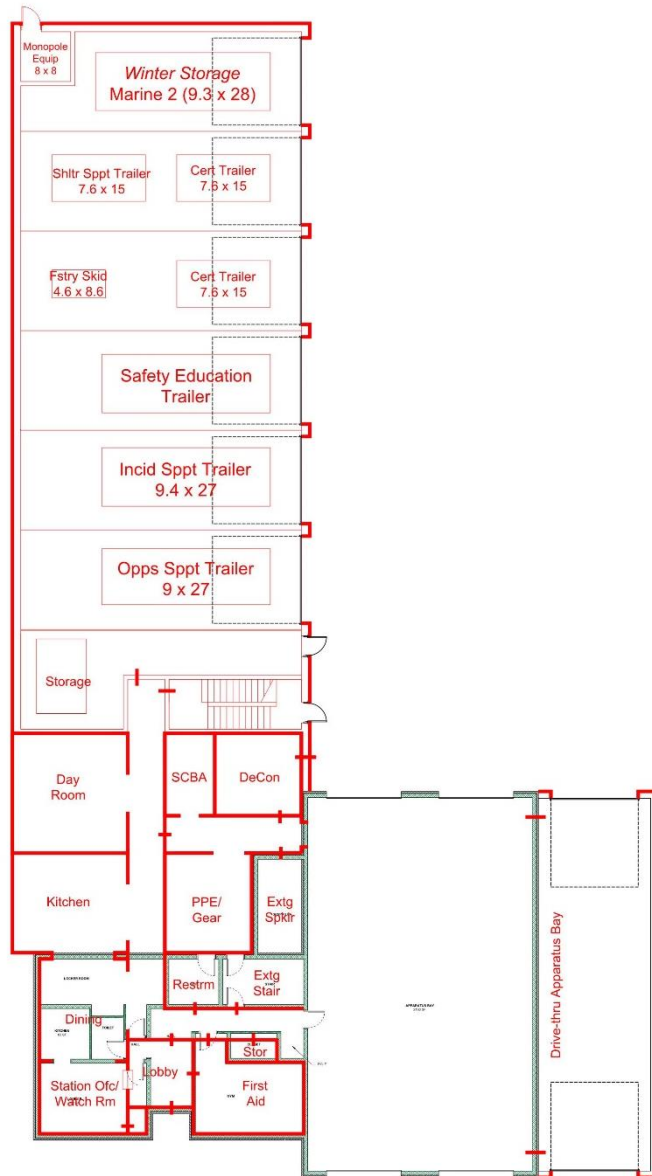


## Addition / Renovation

- Multiple additions located to meet operational need
- Building Massing intended to be compatible with neighborhood



## Addition / Renovation Adjacency Diagram



# **COST MODELING**





- Order of Magnitude (OoM) is preliminary and conservative in nature
- Total project cost = construction + soft costs: total bonded value

I. Construction	FD - 1	FD - 2	FD - 3	FD - 4	PD - All New	PD - Phased
	New: 43,500 SF Reno: 0 SF \$448.79/SF	New: 2,600 SF Reno: 3,015 SF \$305.98/SF	New: 10,910 SF Reno: 2,580 SF \$376.15/SF	New: 12,592 SF Reno: 0 SF \$450.00/SF	New: 48,300 SF Reno: 0 SF \$509.64/SF	New: 49,020 SF Reno: 4,000 SF \$525.00/SF
Construction Cost						
Demolition	529,700	22,791	27,378	405,900	326,750	217,615
Renovation	-	-	-	Total cost includes Station 4 + site development of 2.5 acres + \$500,000 for training facility	-	-
New Construction	-	-	-	-	-	-
Temporary Relocation Cost	-	-	-	-	TBD	-
Phasing Costs	-	-	-	-	-	-
Site	2,354,220	136,748	520,181	4,356,000	3,450,475	3,450,150
<b>TOTAL</b>	<b>\$19,522,572</b>	<b>\$1,718,080</b>	<b>\$5,074,276</b>	<b>\$10,522,400</b>	<b>\$24,615,491</b>	<b>\$27,835,500</b>
II. Administrative Cost & Reserve						
Land (cost TBD and added to budget)	0	0	0	TBD	0	0
FF&E (budget)	780,903	34,362	101,486	210,448	984,620	1,113,420
Infrastructure Technology (budget)	50,000	50,000	50,000	50,000	50,000	50,000
Advertising/Printing	5,000	5,000	5,000	5,000	5,000	5,000
Insurance/Legal	5,000	5,000	5,000	5,000	5,000	5,000
Bid Contingency (7.5%)	1,464,193	128,856	380,571	789,180	1,846,162	2,087,663
Construction Contingency (7.5%)	1,464,193	128,856	380,571	789,180	1,846,162	2,087,663
<b>TOTAL</b>	<b>\$3,769,289</b>	<b>\$352,074</b>	<b>\$922,627</b>	<b>\$1,848,808</b>	<b>\$4,736,943</b>	<b>\$5,348,745</b>
III. Fees & Services						
Total Basic Services Architect/Engineer	1,678,941	166,224	463,662	961,484	2,116,932	2,393,853
Additional Services Fees (budget)	117,135	11,597	32,349	67,080	147,693	167,013
FF&E Fee	24,000	12,000	8,000	12,000	24,000	12,000
TEL / Data Design	20,000	10,000	10,000	10,000	20,000	20,000
Fee for Planning Board Permitting (budget)	10,000	10,000	10,000	10,000	30,000	30,000
A/E Reimbursable	33,579	4,987	13,910	28,845	42,339	47,877
Survey/Soils/Borings	20,000	20,000	20,000	50,000	20,000	20,000
OPM Fee	710,622	61,335	181,152	375,650	896,004	1,013,212
Special Inspections	50,000	15,000	15,000	15,000	50,000	50,000
Cost Estimating	24,000	12,000	12,000	12,000	24,000	24,000
Commissioning	30,000	15,000	20,000	20,000	30,000	30,000
Misc Fees and Expenses	50,000	25,000	25,000	25,000	50,000	50,000
Testing and Balancing	40,000	15,000	20,000	20,000	40,000	40,000
<b>TOTAL</b>	<b>\$2,808,277</b>	<b>\$378,143</b>	<b>\$831,072</b>	<b>\$1,607,059</b>	<b>\$3,490,968</b>	<b>\$3,897,955</b>
<b>Project Cost</b>	<b>\$26,100,138</b>	<b>\$2,448,297</b>	<b>\$6,827,975</b>	<b>\$13,978,267</b>	<b>\$32,843,402</b>	<b>\$37,082,200</b>



# QUESTIONS

