NORTH READING FIRE DEPARTMENT

APRIL 2,2024

EXISTING SITE PLAN

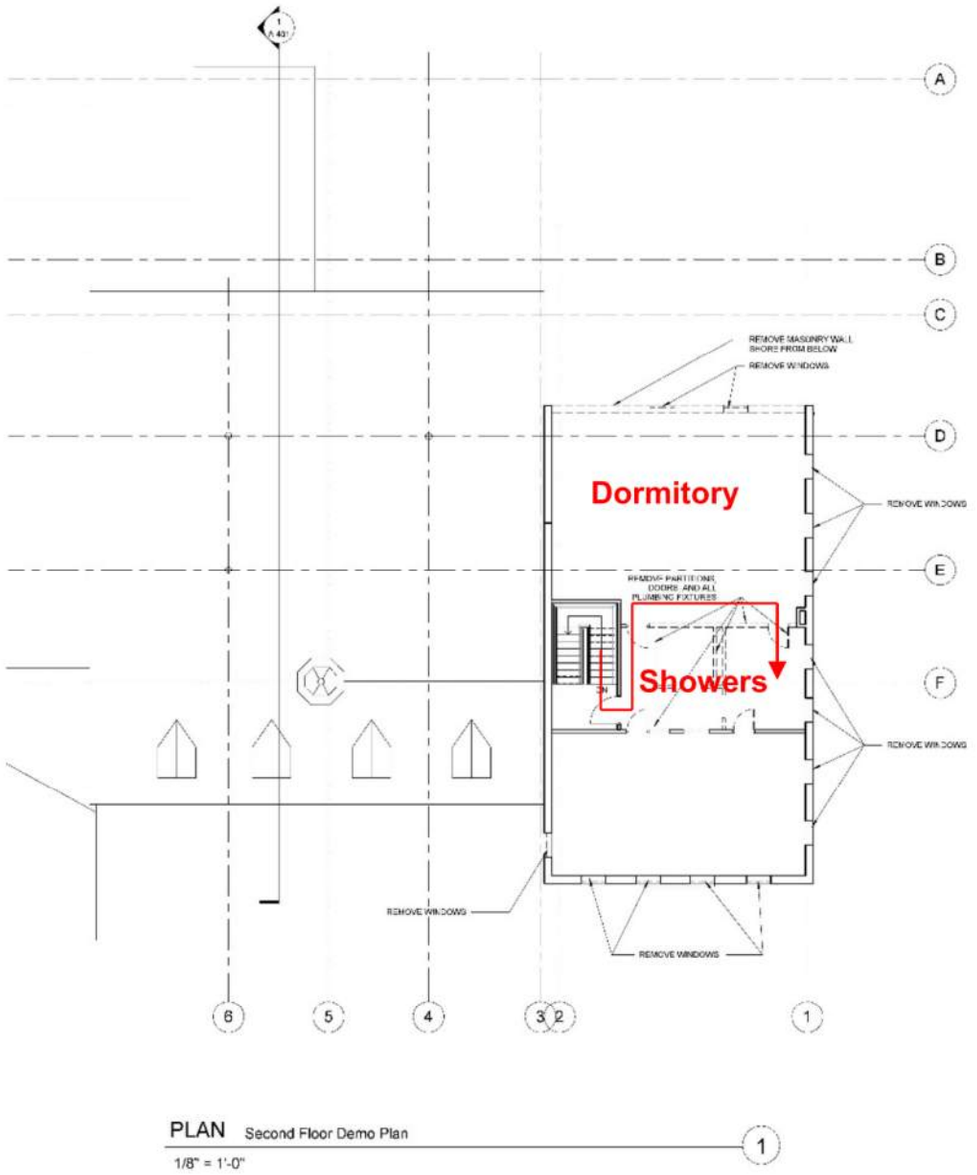
- Existing building and site shared with Police Dept.
- Existing leach field under asphalt between building and street
- Limited parking on site
- Vegetated wetlands to the south of the site
- Apparatus exit to the north of the site onto Park Street
- Vertical clearance for apparatus is minimal
- Renovation should maintain aesthetics of the existing building from the street

FIRE STATION EXISTING CONDITIONS:

- ❑ Health and Safety Conditions
- ❑ Undersized Apparatus Bay
- ❑ Inadequate Sleeping Quarters
- ❑ Inadequate Storage
- ❑ Inefficient and Out of Date Building Systems
- ❑ Building Code Issues to be Addressed
- ❑ Existing Facility Cannot Accommodate Growth

HEALTH AND SAFETY CONDITIONS

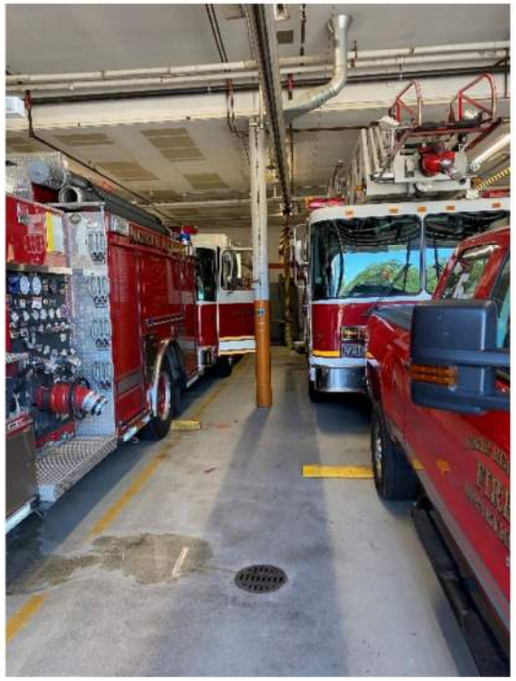
❑ No Decontamination Facilities



UNDERSIZED APPARATUS BAY

- ❑ **Not Enough Space For All Apparatus Vehicles: Fire Alarm Truck Stored Parks Dept. Barn**

Tight Width with Little Space Between Vehicles

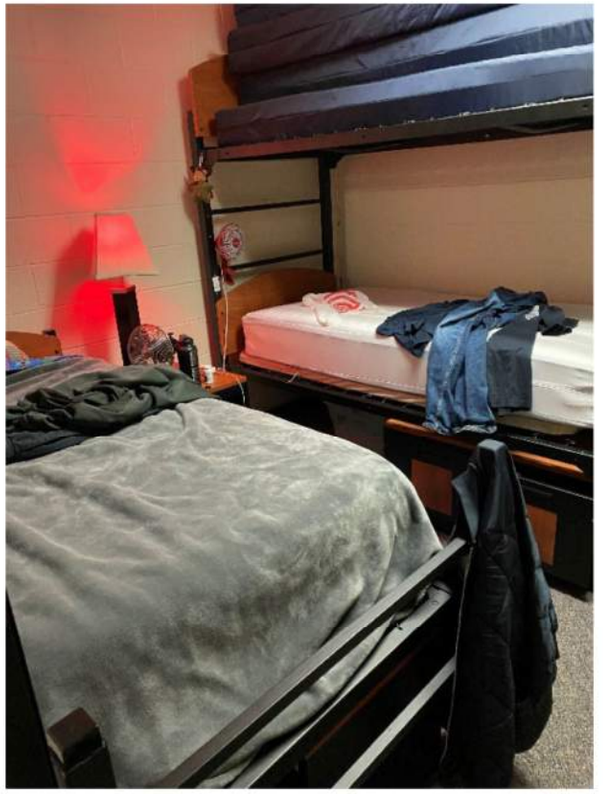


Open Doors Conflict with Structure

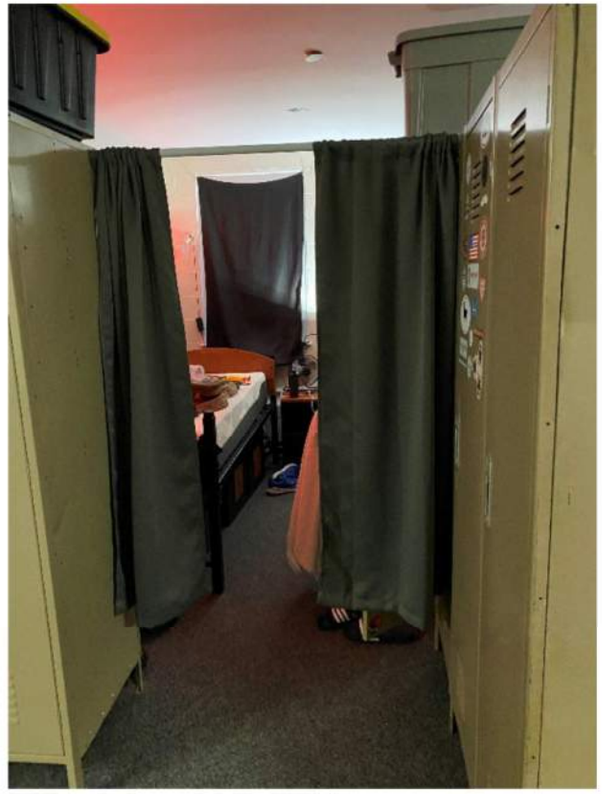
Use of Vehicle Space to Work on Vehicle Repairs

INADEQUATE SLEEPING QUARTERS

Lack of Privacy, No Accommodation for Female Fire Fighters

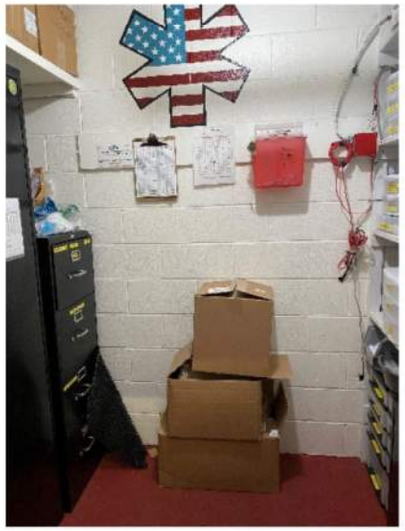


Bunk Beds for Additional Personnel



Improvised Privacy Curtains

INADEQUATE STORAGE

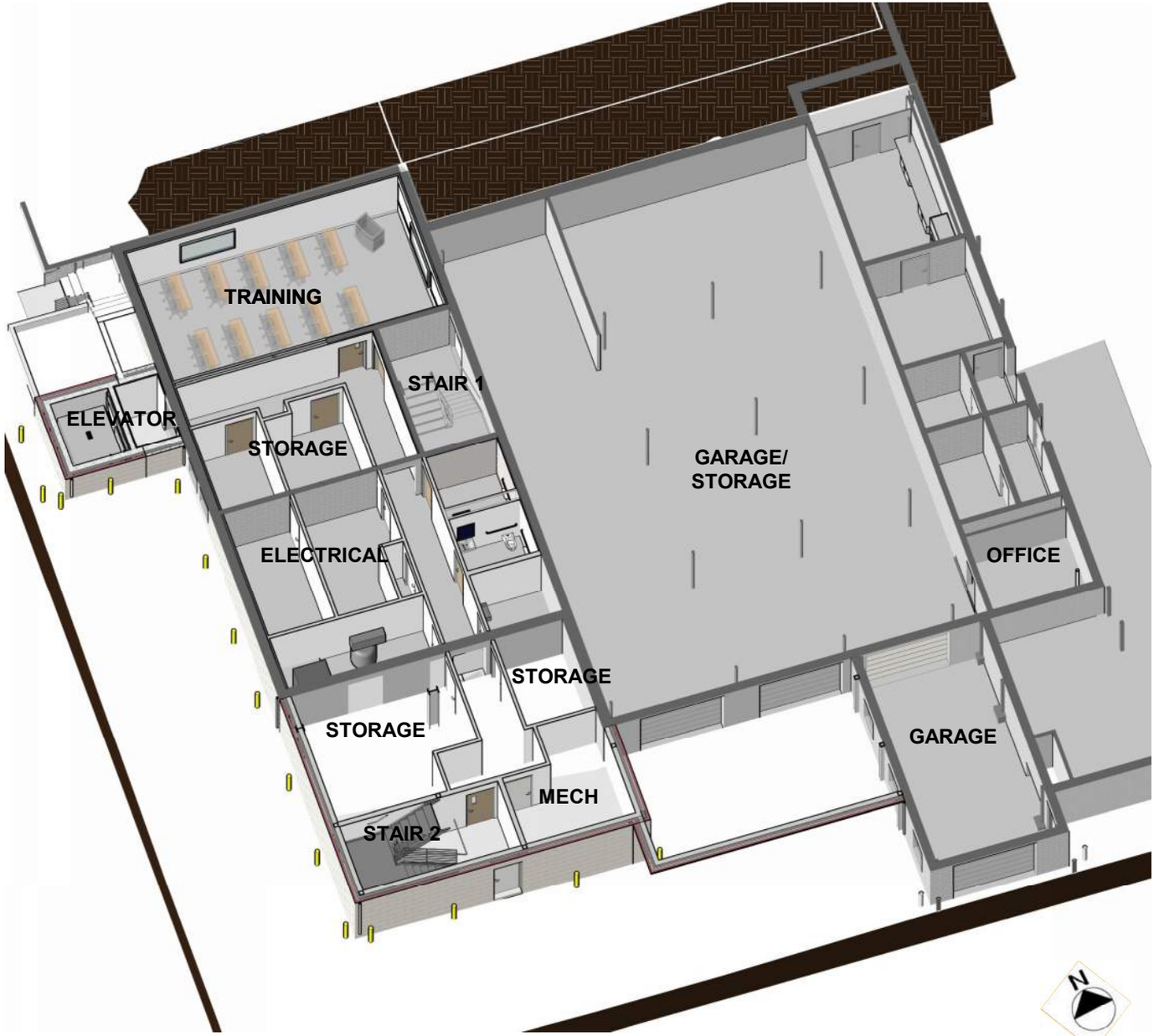


PROPOSED SITE PLAN

- Front of Apparatus bay to be extended to increase interior clearance for modern fire apparatus
- Rear of Apparatus bay to be extended to accommodate modern fire apparatus sizes
- Apparatus exit to north of the site to Park Street to be maintained
- New 2nd floor extension to be created above apparatus bay
- Additional program spaces are to be extended to the rear of the site
- Parking studies have determined that on site capacity is at maximum and can’t be extended beyond existing constraints

BASEMENT FLOOR PLAN

- Fire vehicle storage & workshop to remain
- Stair 2 and Elevator added
- New Training room and (2) toilet rooms created
- Existing Electrical room reconfigured for new Electrical and Telecom
- Storage and Mechanical rooms added



FIRST FLOOR PLAN

- Addition to Apparatus Bay at rear for more vehicle storage
- Extension of Apparatus Bay at front for more vehicle storage
- Gear Storage and Decontamination areas for firefighters added
- Main Public Entry to remain and Lobby to be enlarged
- Administration, Dispatch and Permitting offices off Lobby
- (2) Accessible toilets added for offices and public
- Stair 2 added for egress

SECOND FLOOR PLAN

- Administrative Offices and Conference Room in existing wing
- Unisex Shower Rooms added in existing wing
- Living Quarters and Day Room occupy the floor created over the Apparatus Bay
- Study Room and Report Writing are under the new pitched roof
- Fitness Room relocated to area under new pitched roof
- Training room created in existing wing

ROOF PLAN

- New pitched shingle roof and dormers toward Park Street to replicate existing appearance
- New Flat Roof over new Apparatus Bay front extension toward Park Street
- New Flat Roofs over Living Quarters and Addition to rear of building
- Skylights for daylighting
- Flat roof areas to be used for future solar panel arrays
- New Cupola to match existing
- Existing pitched shingle roof over west wing to remain and be reroofed

3D VIEW FROM NORTHWEST

- Materials: Masonry, Asphalt shingles and Siding will match existing
- Proportions: Massing of additions are in proportion to the existing building
- Forms + Visuals: Roof Pitches and dormers to match existing; New cupola will be similar to existing
- Details: New Apparatus Bay Bi-folding doors, New entry ramp and elevator for accessibility

3D VIEW FROM SOUTHWEST

- New Flat Roofs over additions are located away from street view to preserve existing character of the building
- Skylights are incorporated for daylight into Living and Day Room areas
- Roof mounted elements are configured to maximize area for future photovoltaic arrays

NORTH READING FIRE STATION