

Tubac Fire District Needs Assessment Study

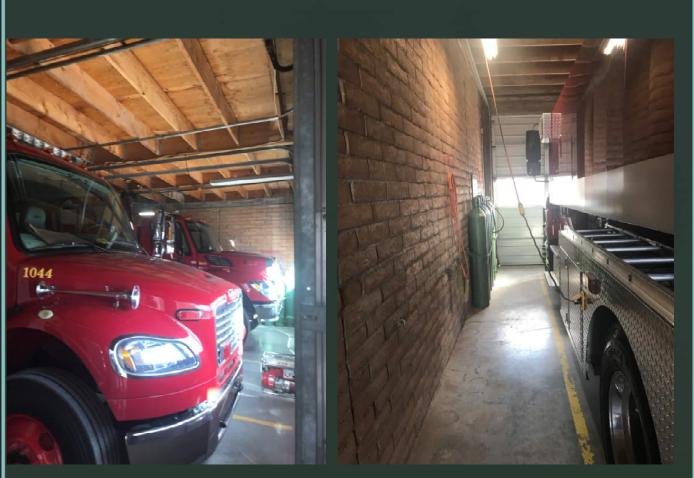
- Review of Existing Conditions
- · Review current and future
 - Staff and operational organization
 - Service goals
- Develop list of program spaces needed to support service mission
- NFPA Fire Station Design Guidelines
- Develop square footage needed based on needs
- Test existing site for suitability to support the needs
- Develop prototypical site layout with needs
- Develop budget





- Review of Existing Conditions
- Existing station is an assembly of older structures, some meant to be temporary that limit functionality and operational flexibility.
- No automatic sprinkler system
- No site security
 - Protection of emergency equipment, fuel storage
 - District vehicles and personal vehicles





- Review of Existing Conditions
- No automatic sprinkler system
- Inadequate space
 - Low headroom & small bays limit type of apparatus that can be used
 - Clearance between equipment
- No ventilation of apparatus bays
- Back up into bays





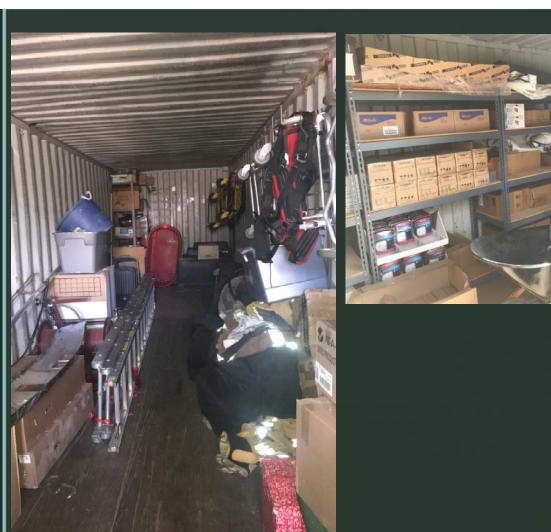




Tubac Fire District Needs Assessment Study

- Review of Existing Conditions
- Low and narrow clearance at garage doors
- No site security
- Tower location limits new construction





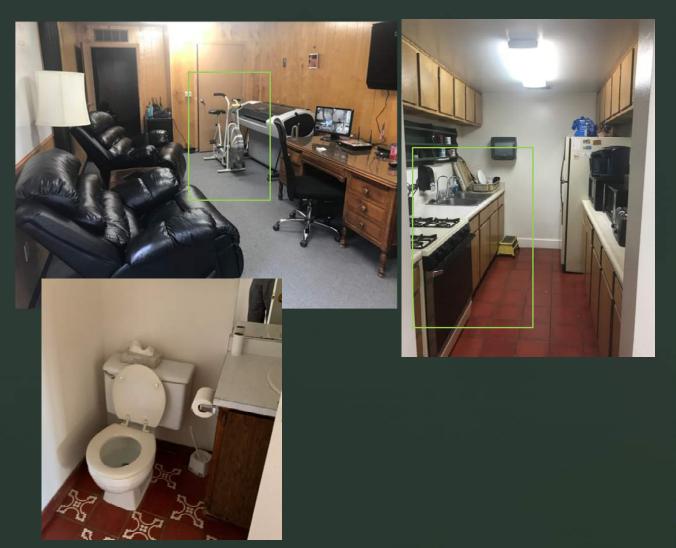
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Needs Assessment Process

- Review of Existing Conditions
- Low clearance
- No site security
- Storage in non-conditioned shipping containers

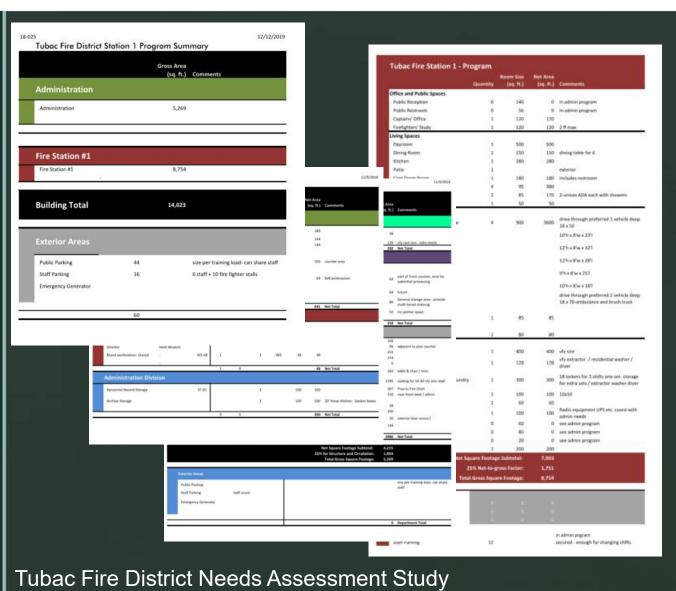
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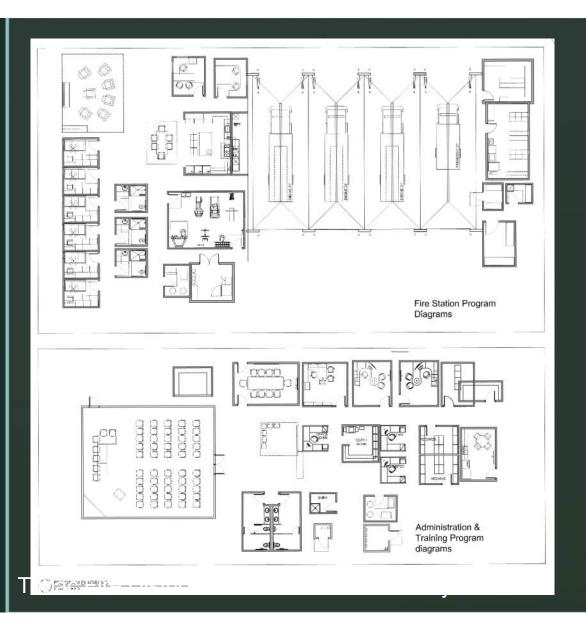
- Review of Existing Conditions
- Doesn't comply with ADA
 - Kitchen
 - Restrooms
 - Door Clearances etc.
- No dedicated fitness area





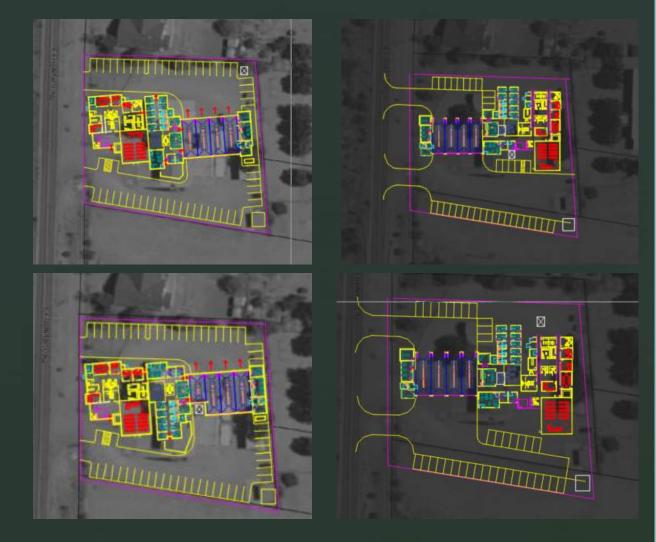
- Review current and future
 - Staff and operational organization
 - Service goals
- Develop list of program spaces needed to support service mission
- NFPA Fire Station Design Guidelines





- NFPA Fire Station Design Guidelines
- Develop square footage needed based on needs for each space



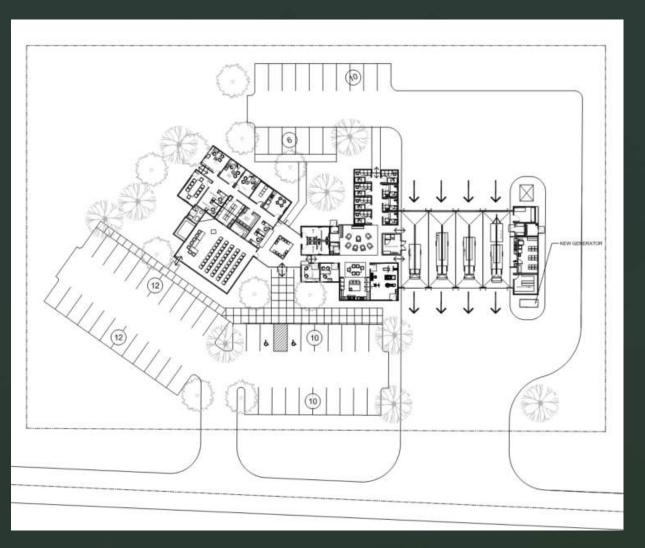


Tubac Fire District Needs Assessment Study

- Test existing site for suitability to support the needs
- Site is too small for the required needs
- Conflicting / unsafe circulation between public and fire vehicles
- Relocation of tower would be required
- Relocation of Firefighters would be needed during construction







Generic Site Plan Concept

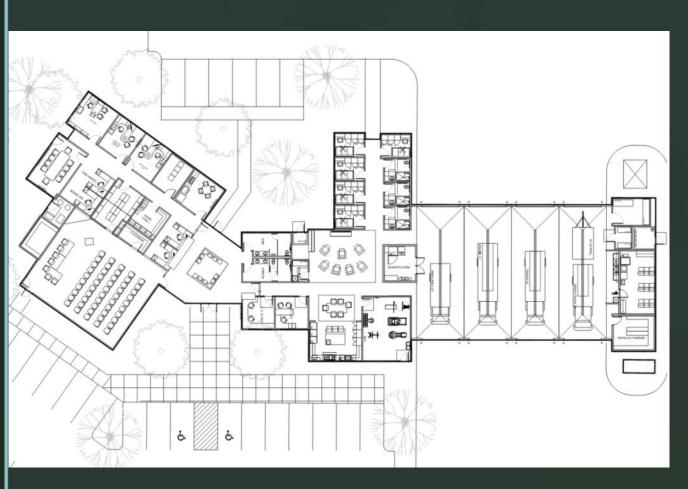
Site area required +/- 2 acres

Parking 44 public, 16 staff

Secure staff parking
Relocate fuel station
Public entry & parking separate
Fire apparatus response / return drives
Connection to existing utilities (if available)

Floor Plan Tabulations
Building Area 14,023 sf
New Administration Offices 5,269 sf
New Fire Station 8,754 sf





Floor Plan Concept

Parking 44 public, 16 staff

Shared public entrance for Admin & Fire Shared public restrooms

Training Room / Board & Community Room Drive Through Apparatus Bays Public entry & parking separate Fire apparatus response / return drives Connection to existing utilities (if available)

Floor Plan Tabulations
Building Area 14,023 sf
New Administration Offices 5,229 sf
New Fire Station 8,754 sf