
**2014 Long Term Needs Assessment
DPS & Public Safety Facilities
City of Novi
April 7, 2014**



Background

- RFP Selection Process
- Sidock Architects
 - Novi – based
 - 70+ Public Safety Projects
 - 25+ Public Services Projects
 - 50+ Facilities Assessments

Methodology

- Kick-off Meetings
- Interviews
- Site Inspections
- Analysis-Based on Our Experience
 - Recommendations
 - Preliminary Design
 - Cost Estimates
- Parking Lot Inventory and Maintenance Plan Report
- Draft Report
- Final Report



Police Department

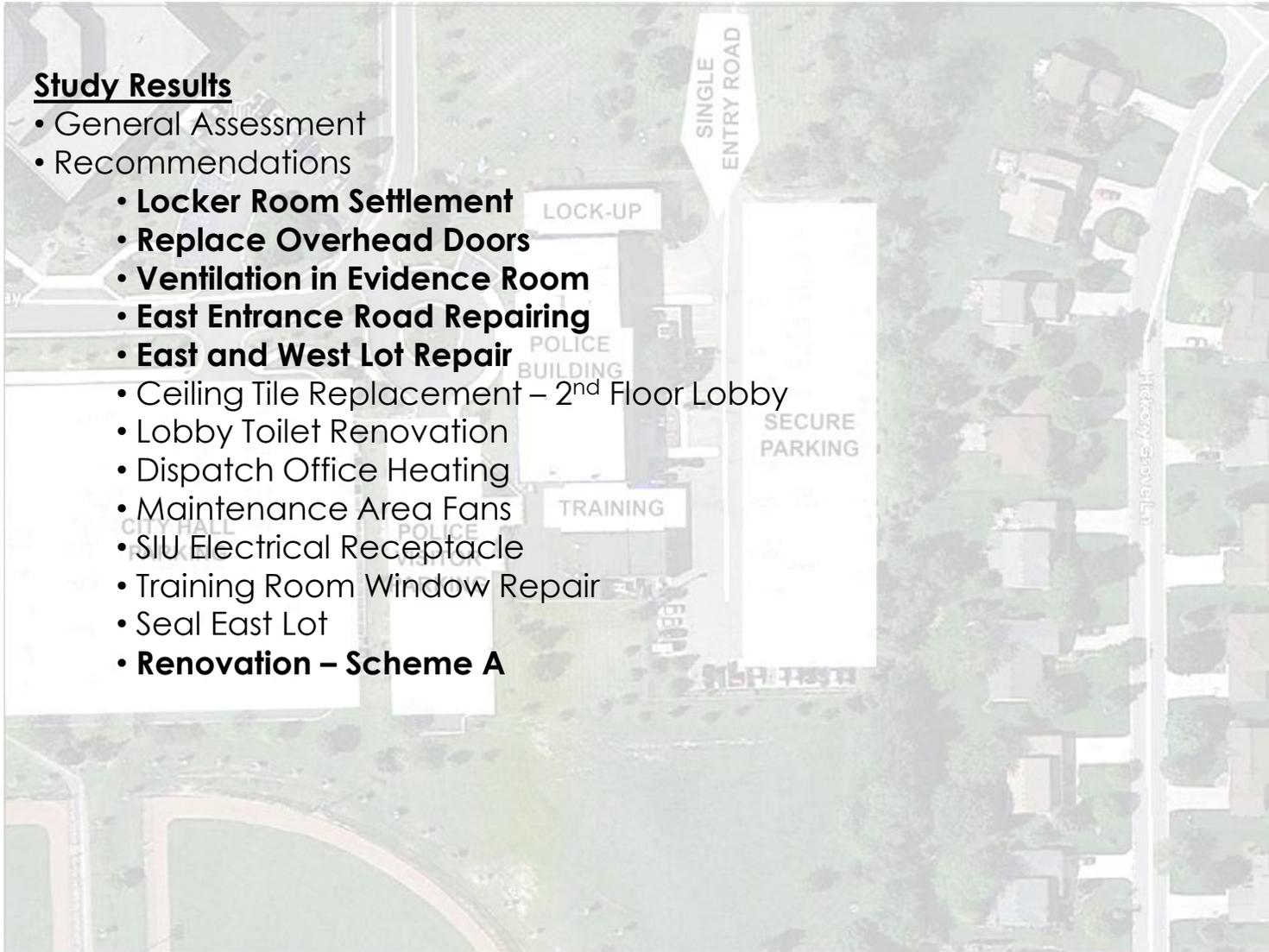




POLICE DEPARTMENT - AERIAL VIEW

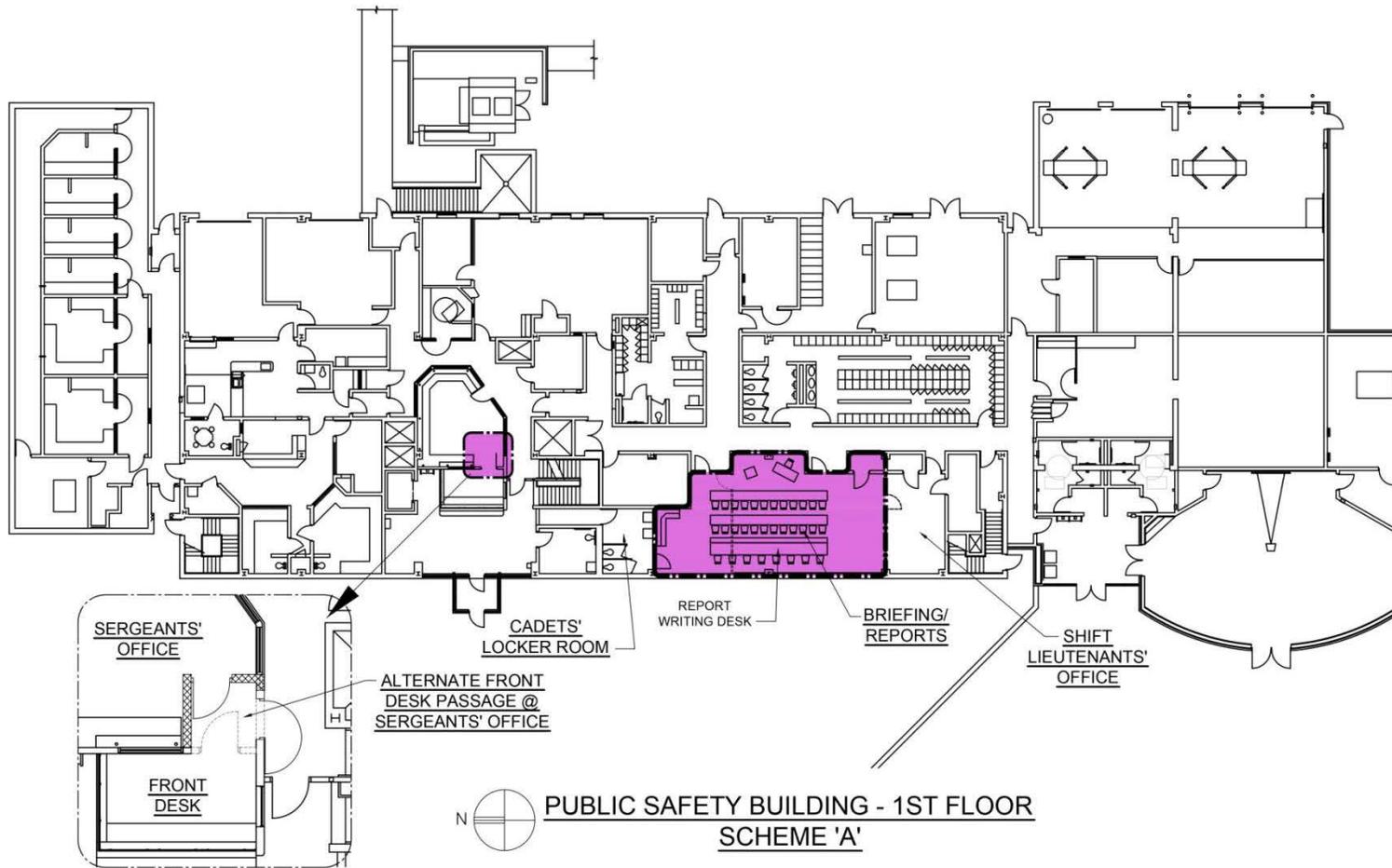
Study Results

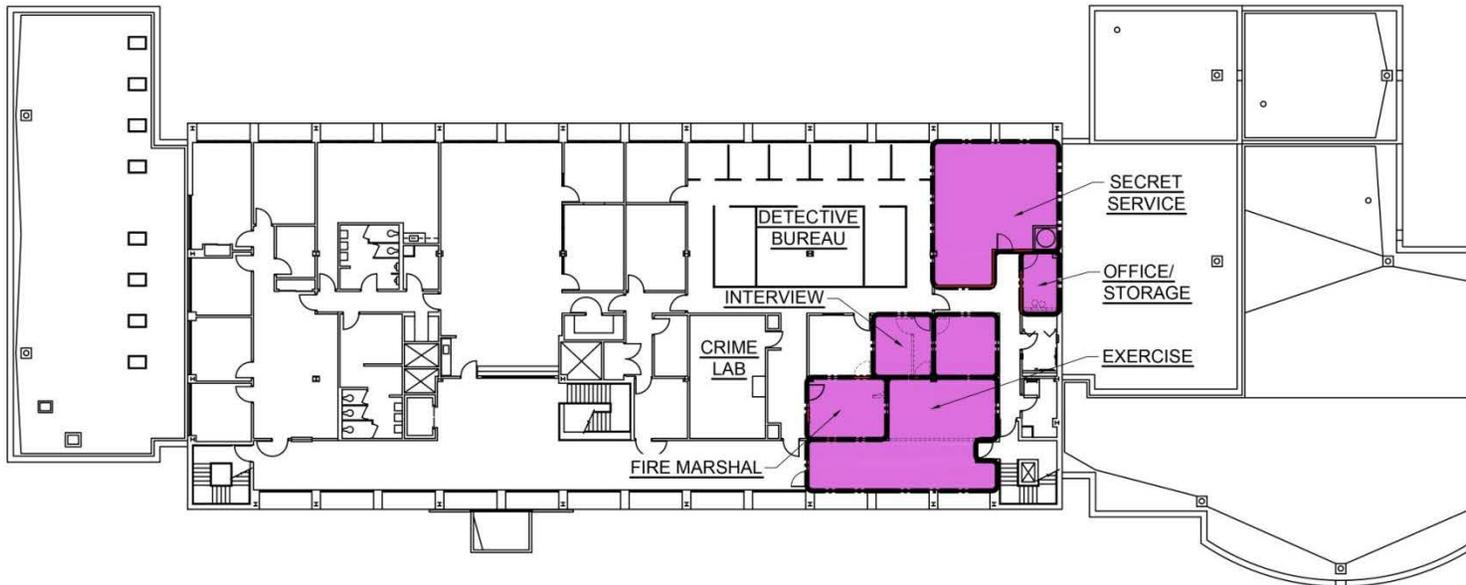
- General Assessment
- Recommendations
 - **Locker Room Settlement**
 - **Replace Overhead Doors**
 - **Ventilation in Evidence Room**
 - **East Entrance Road Repairing**
 - **East and West Lot Repair**
 - Ceiling Tile Replacement – 2nd Floor Lobby
 - Lobby Toilet Renovation
 - Dispatch Office Heating
 - Maintenance Area Fans
 - SIU Electrical Receptacle
 - Training Room Window Repair
 - Seal East Lot
 - **Renovation – Scheme A**



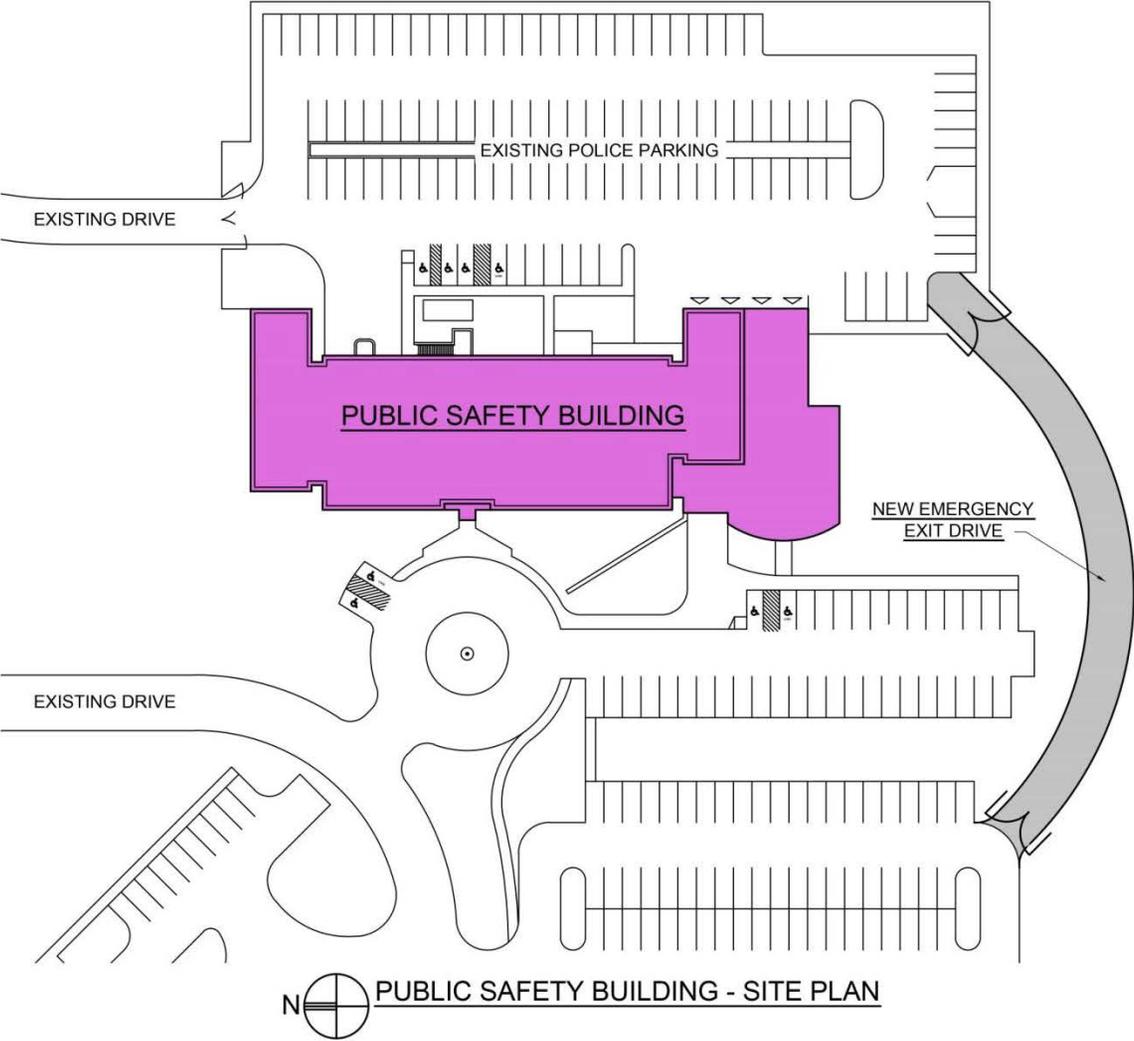
POLICE DEPARTMENT - AERIAL VIEW

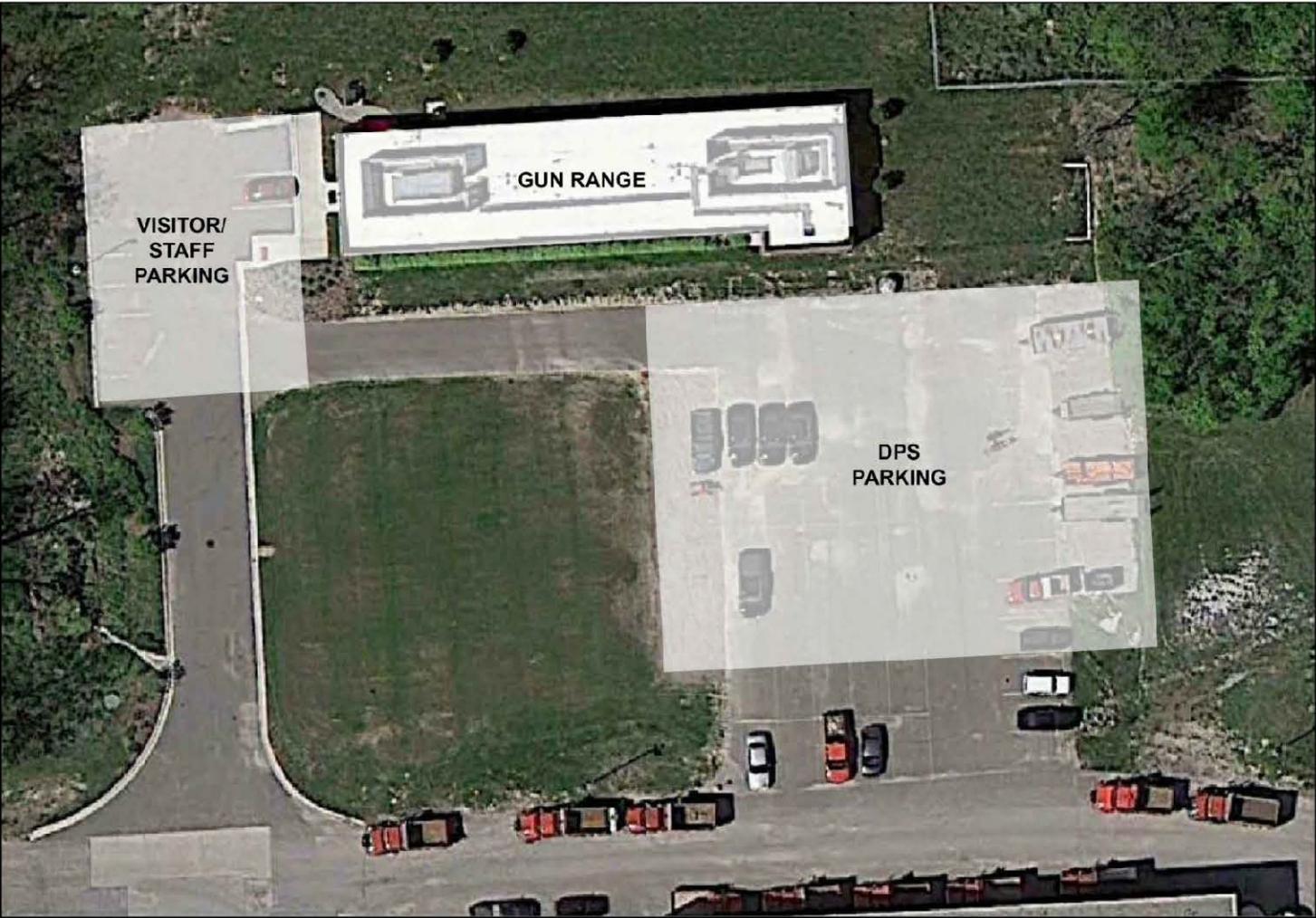






N  PUBLIC SAFETY BUILDING - 2ND FLOOR
SCHEME 'A'

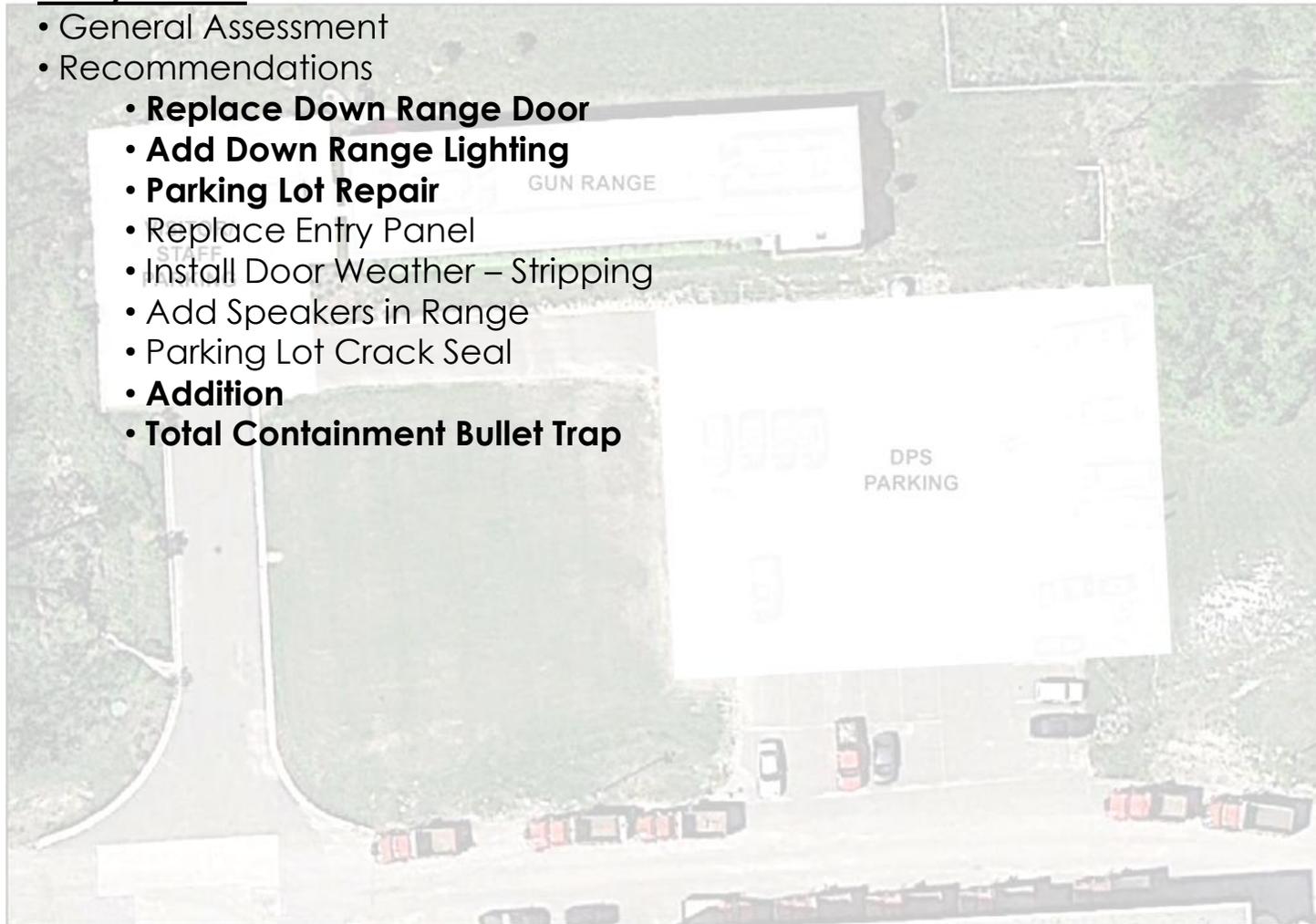




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GUN RANGE - AERIAL VIEW

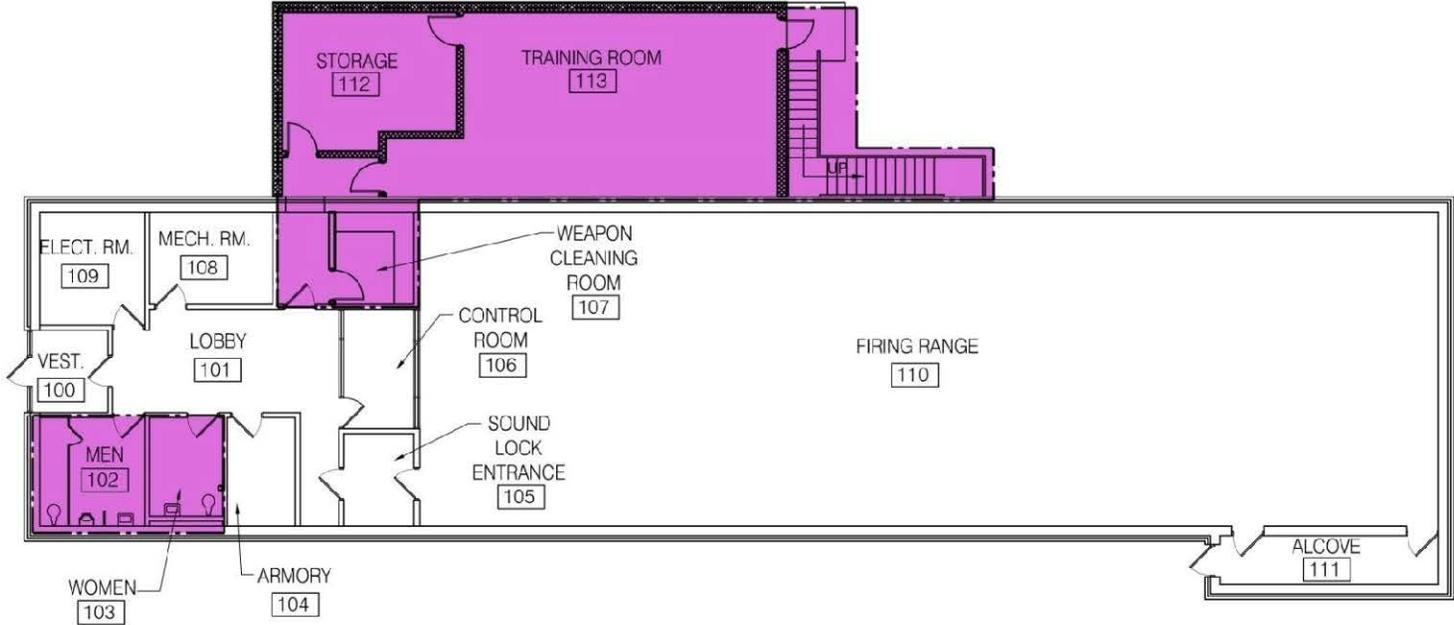
Study Results

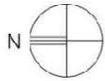
- General Assessment
- Recommendations
 - **Replace Down Range Door**
 - **Add Down Range Lighting**
 - **Parking Lot Repair**
 - Replace Entry Panel
 - Install Door Weather – Stripping
 - Add Speakers in Range
 - Parking Lot Crack Seal
 - **Addition**
 - **Total Containment Bullet Trap**



GUN RANGE - AERIAL VIEW





N  **GUN RANGE -
PROPOSED FLOOR PLAN**

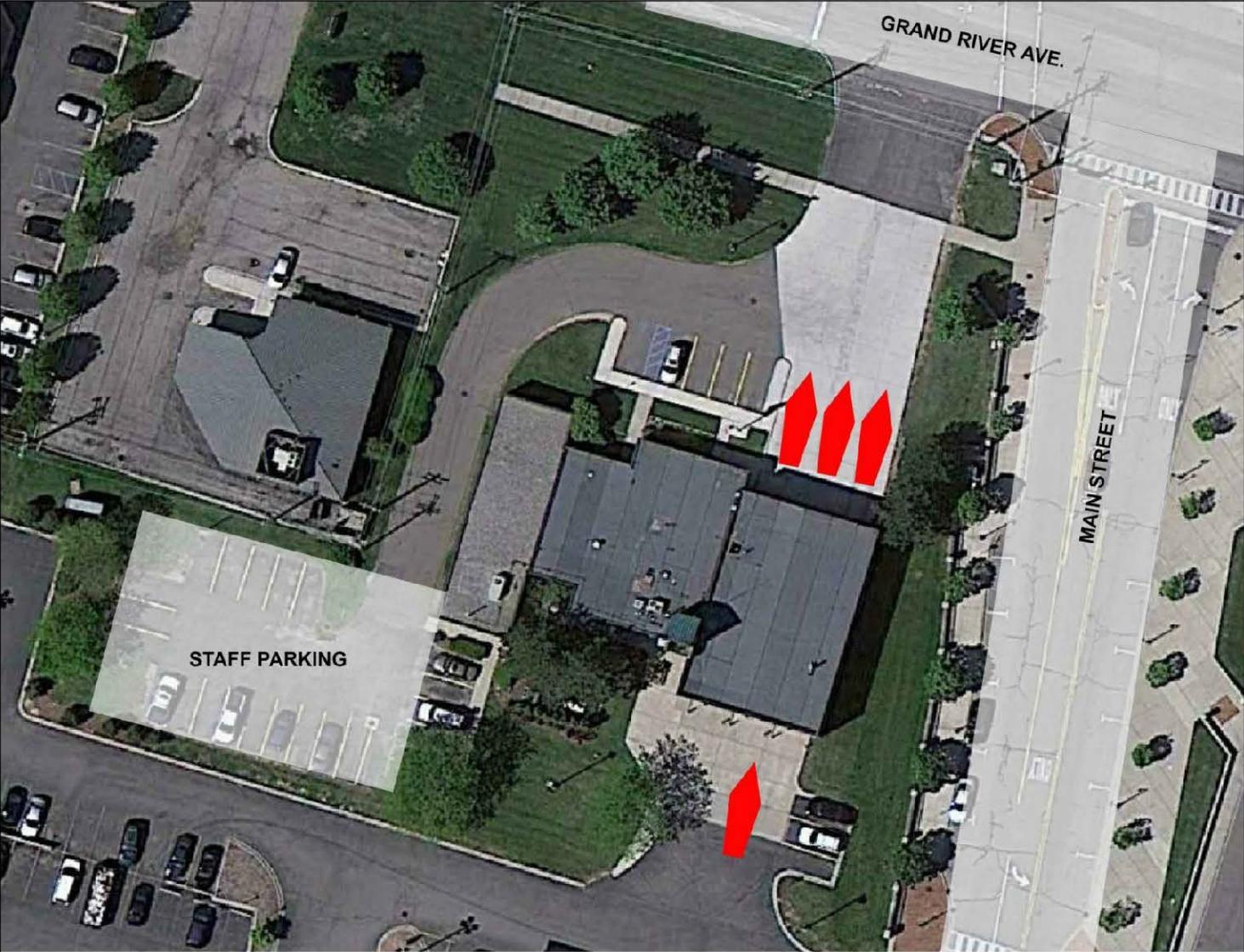
Fire Department



Study Scope

- Fire Station No. 1
- Alternate Site Analysis – Station No. 1
- Fire Station No. 2
- Fire Station No. 3
- Fire Station No. 4
- CEMS Building

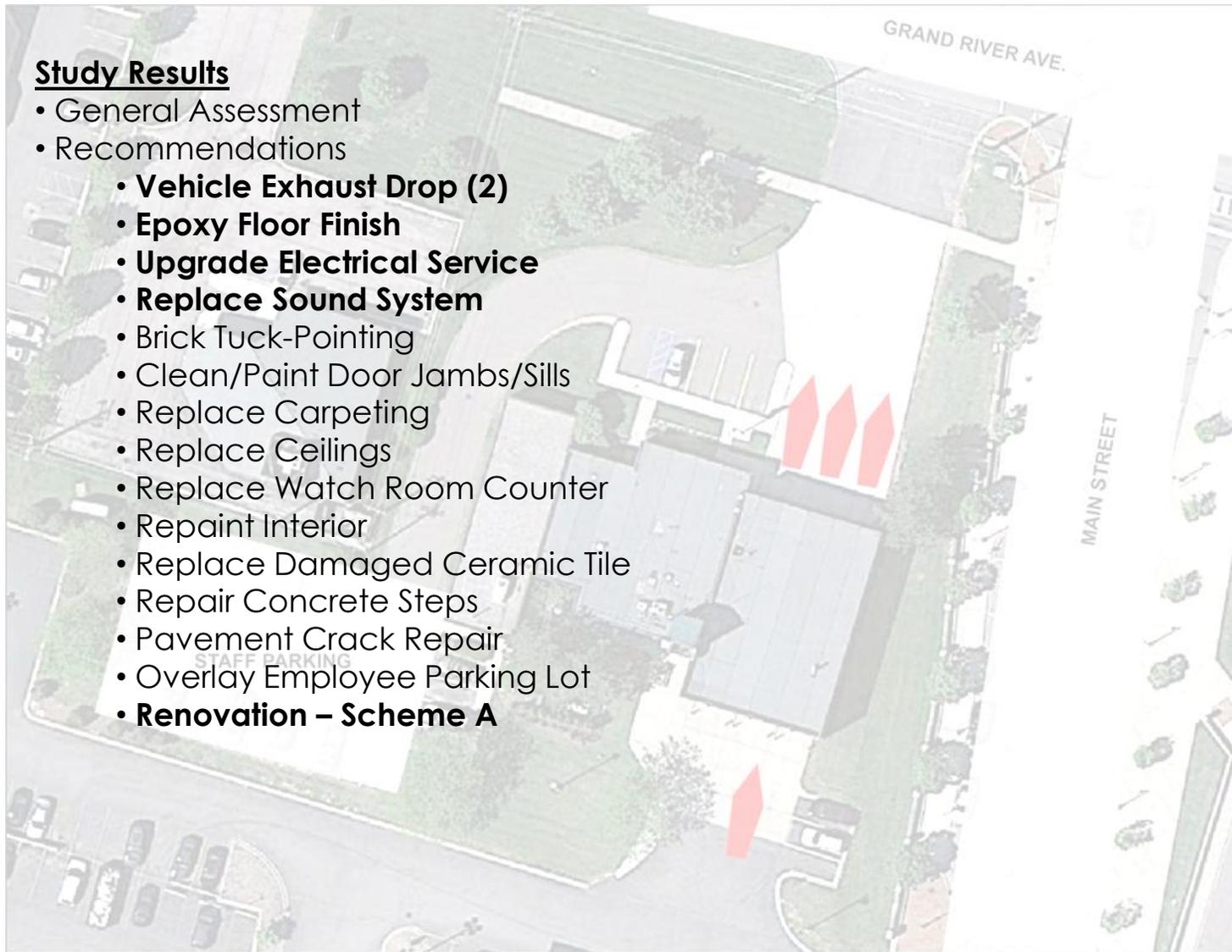




FIRE STATION #1 - AERIAL VIEW

Study Results

- General Assessment
- Recommendations
 - **Vehicle Exhaust Drop (2)**
 - **Epoxy Floor Finish**
 - **Upgrade Electrical Service**
 - **Replace Sound System**
 - Brick Tuck-Pointing
 - Clean/Paint Door Jambs/Sills
 - Replace Carpeting
 - Replace Ceilings
 - Replace Watch Room Counter
 - Repaint Interior
 - Replace Damaged Ceramic Tile
 - Repair Concrete Steps
 - Pavement Crack Repair
 - Overlay Employee Parking Lot
 - **Renovation – Scheme A**



FIRE STATION #1 - AERIAL VIEW

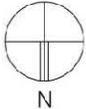
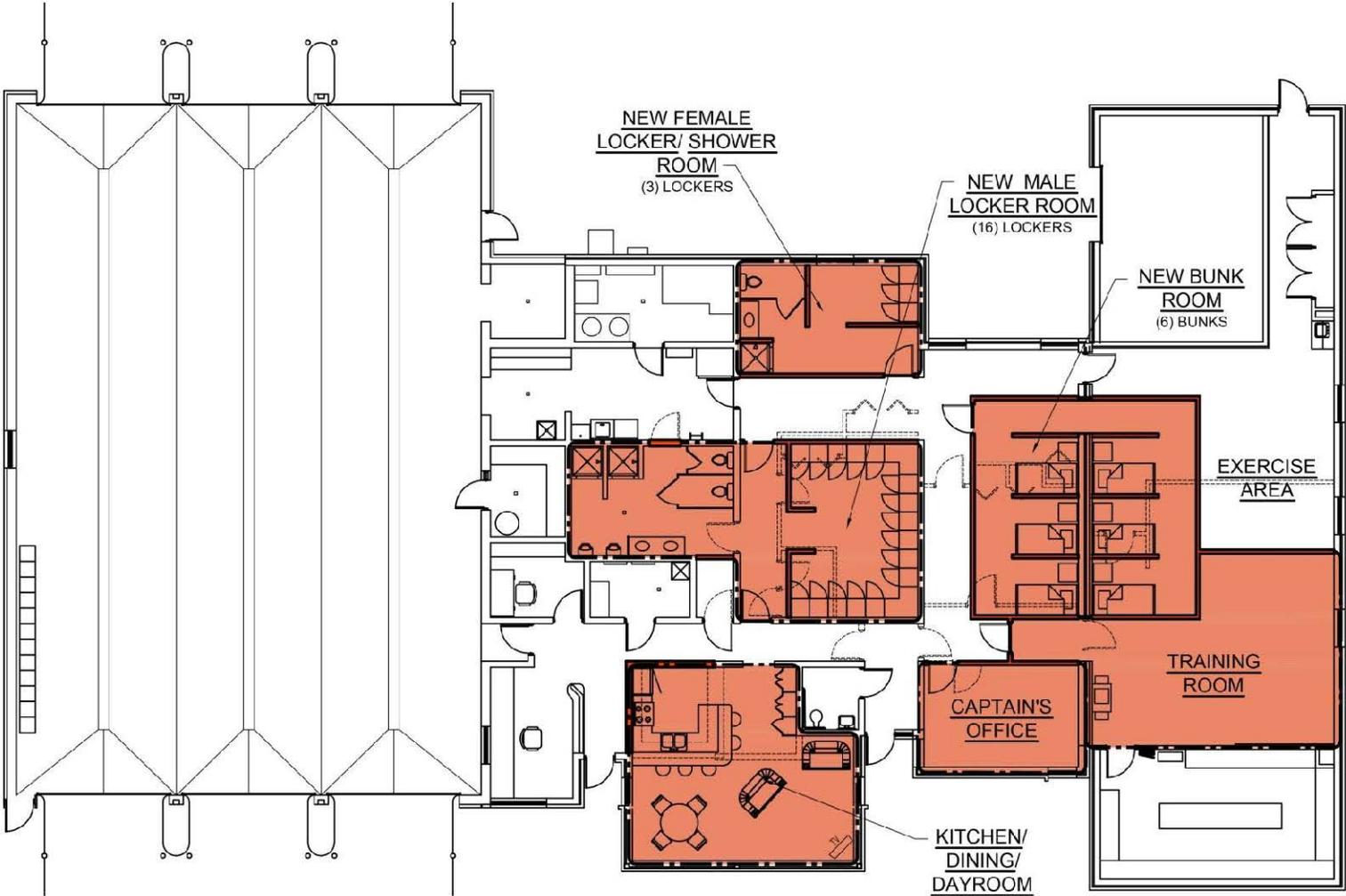


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Fire Station #1-Scheme A

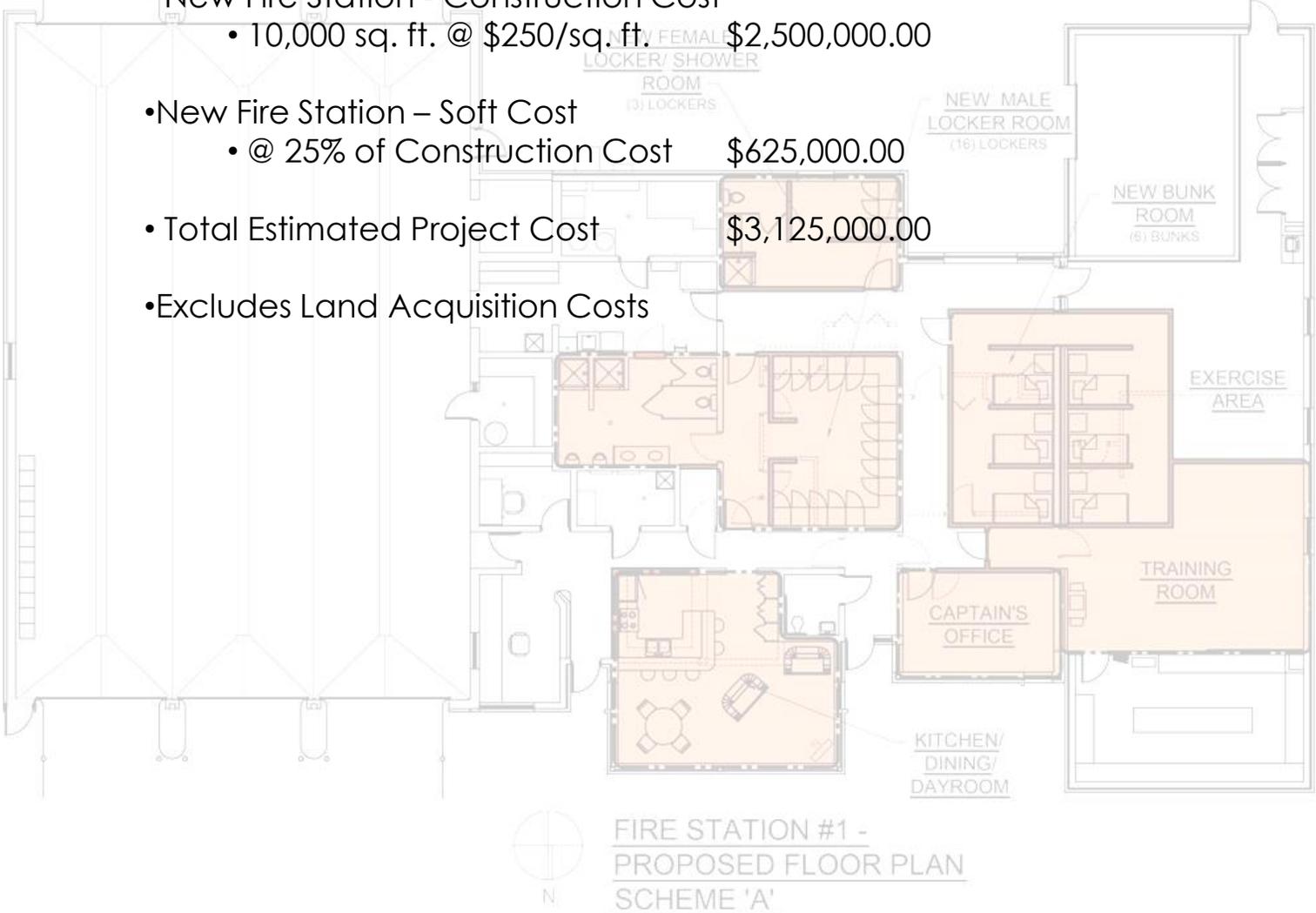


**FIRE STATION #1 -
PROPOSED FLOOR PLAN
SCHEME 'A'**

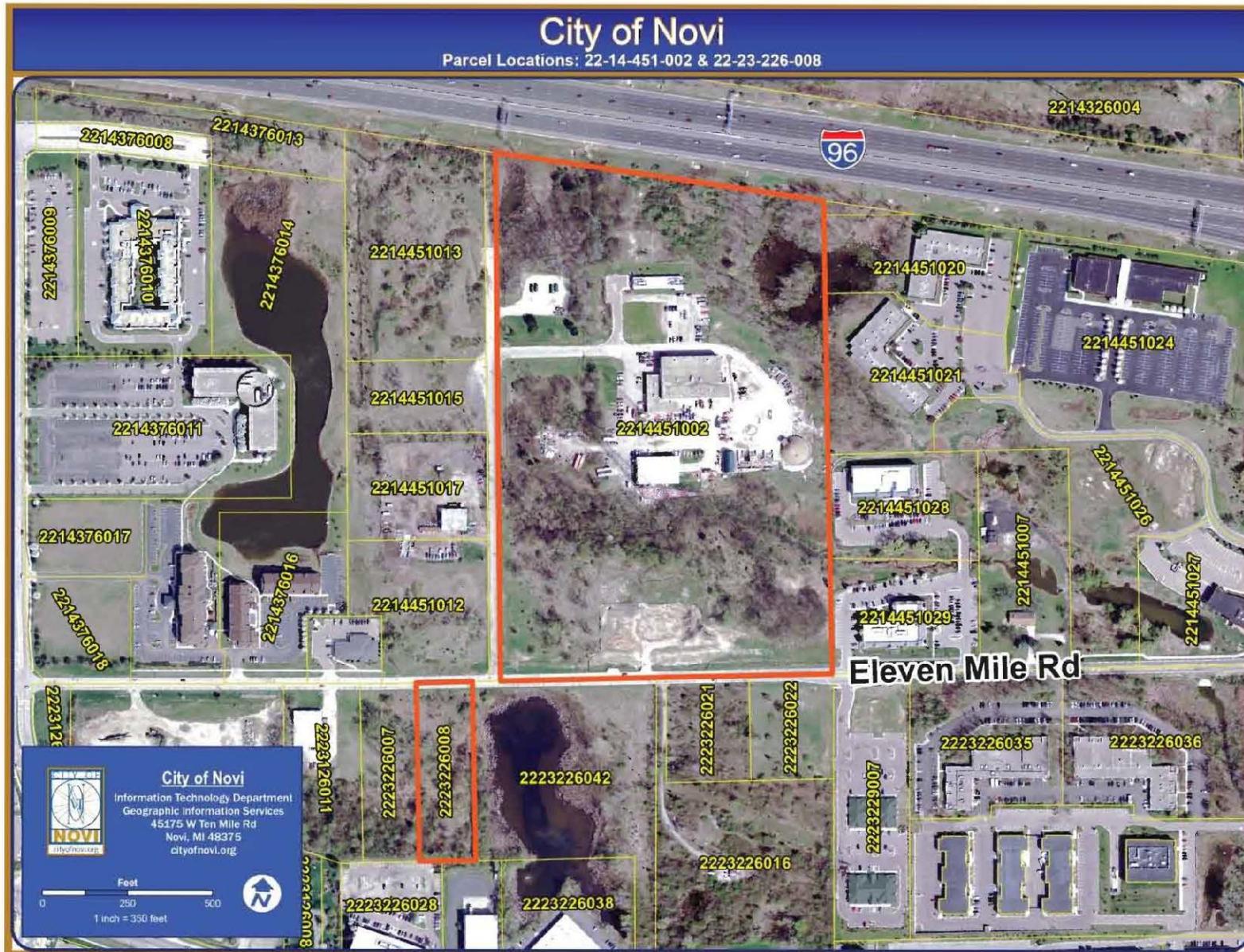


Alternative – Replacement Station

- New Fire Station - Construction Cost
 - 10,000 sq. ft. @ \$250/sq. ft. \$2,500,000.00
- New Fire Station – Soft Cost
 - @ 25% of Construction Cost \$625,000.00
- Total Estimated Project Cost \$3,125,000.00
- Excludes Land Acquisition Costs



Fire Station #1 - Alternate Site Analysis



Two Alternate Sites (11 Mile & Lee BeGole Drive)

- Site Visit
- Run-Time Analysis
- Additional Sites

Recommendations

- Existing Site
- Anglin Site



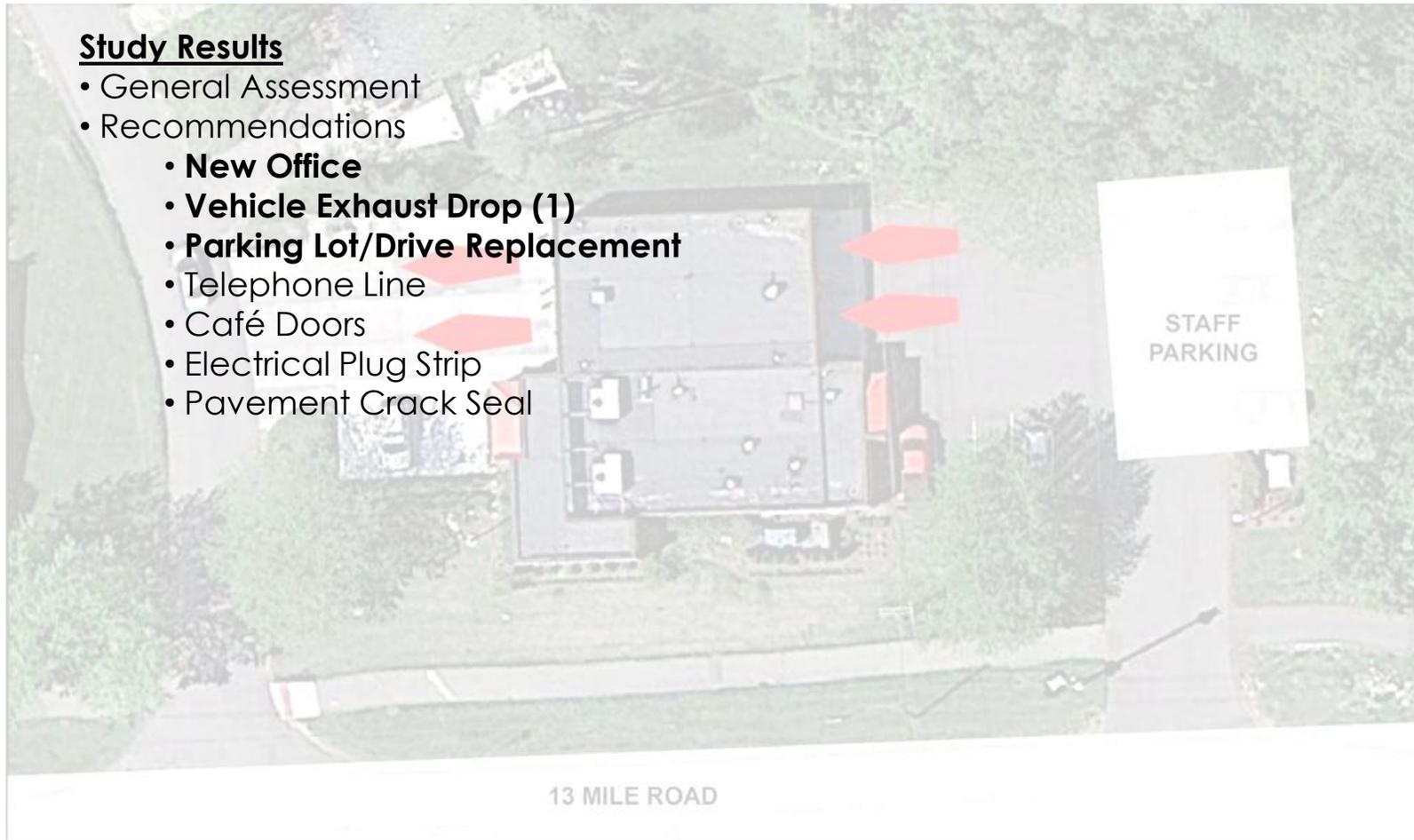


FIRE STATION #2 - AERIAL VIEW



Study Results

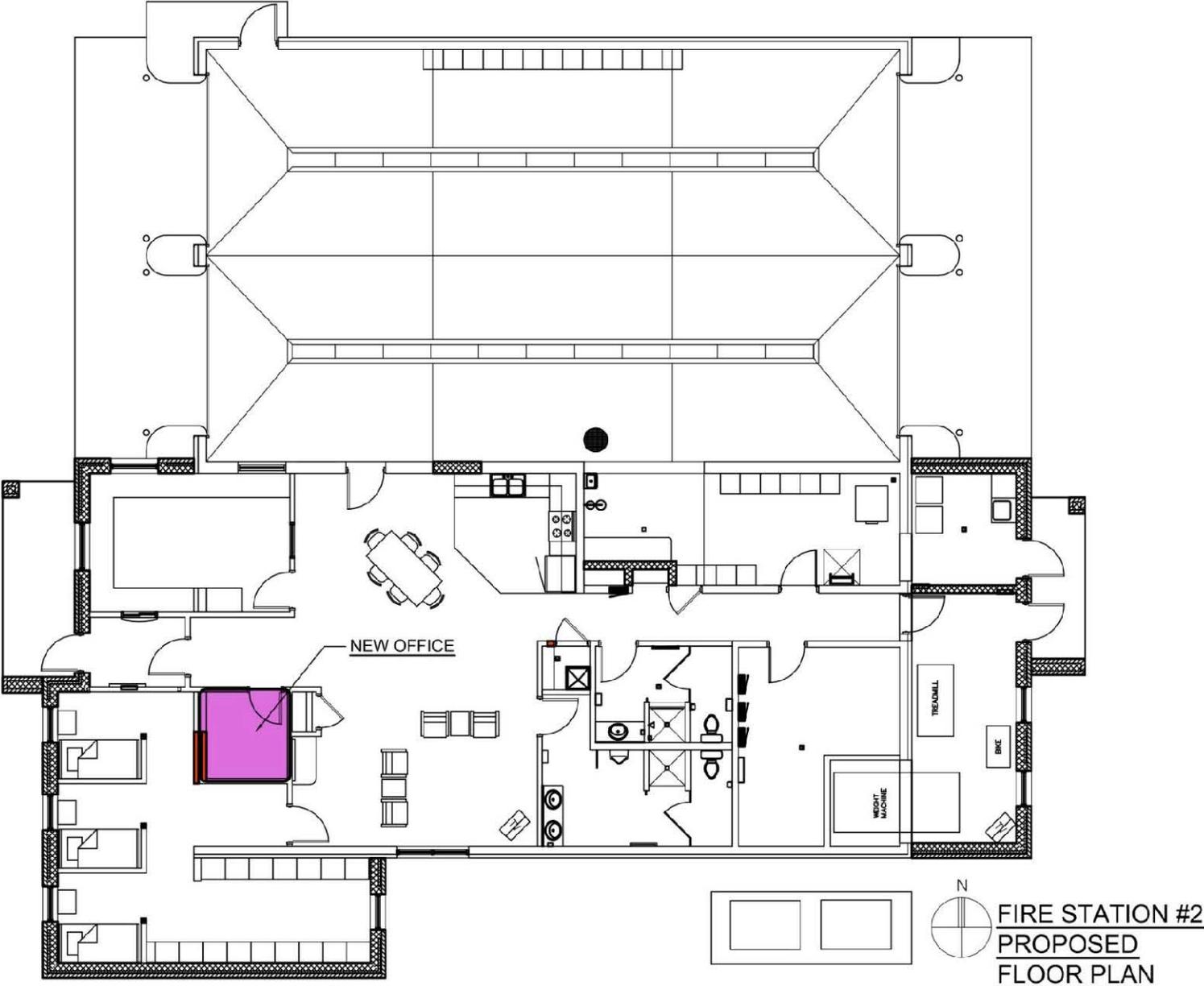
- General Assessment
- Recommendations
 - **New Office**
 - **Vehicle Exhaust Drop (1)**
 - **Parking Lot/Drive Replacement**
 - Telephone Line
 - Café Doors
 - Electrical Plug Strip
 - Pavement Crack Seal

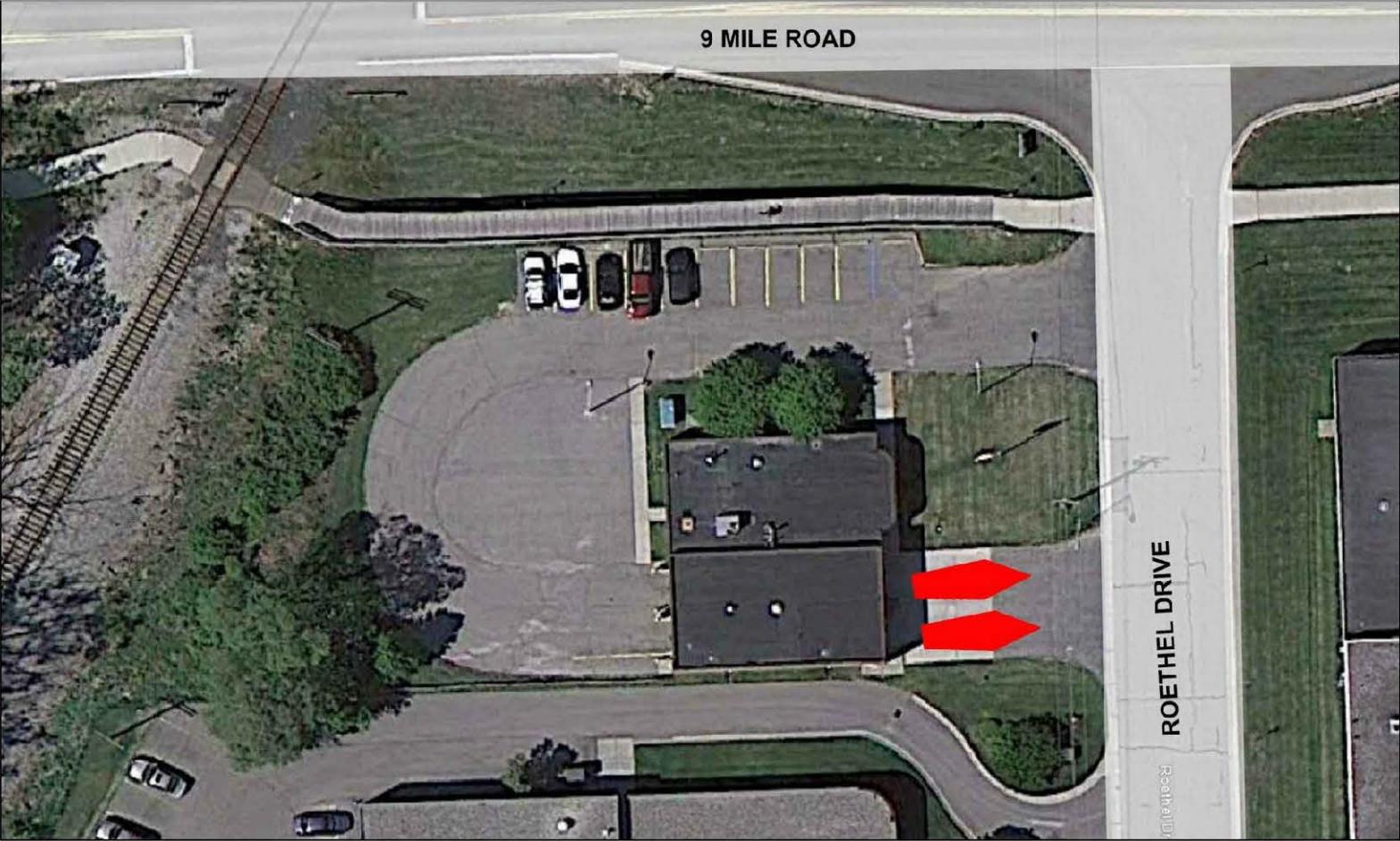


FIRE STATION #2 - AERIAL VIEW



Fire Station #2-Proposed





FIRE STATION #3 - AERIAL VIEW

Study Results

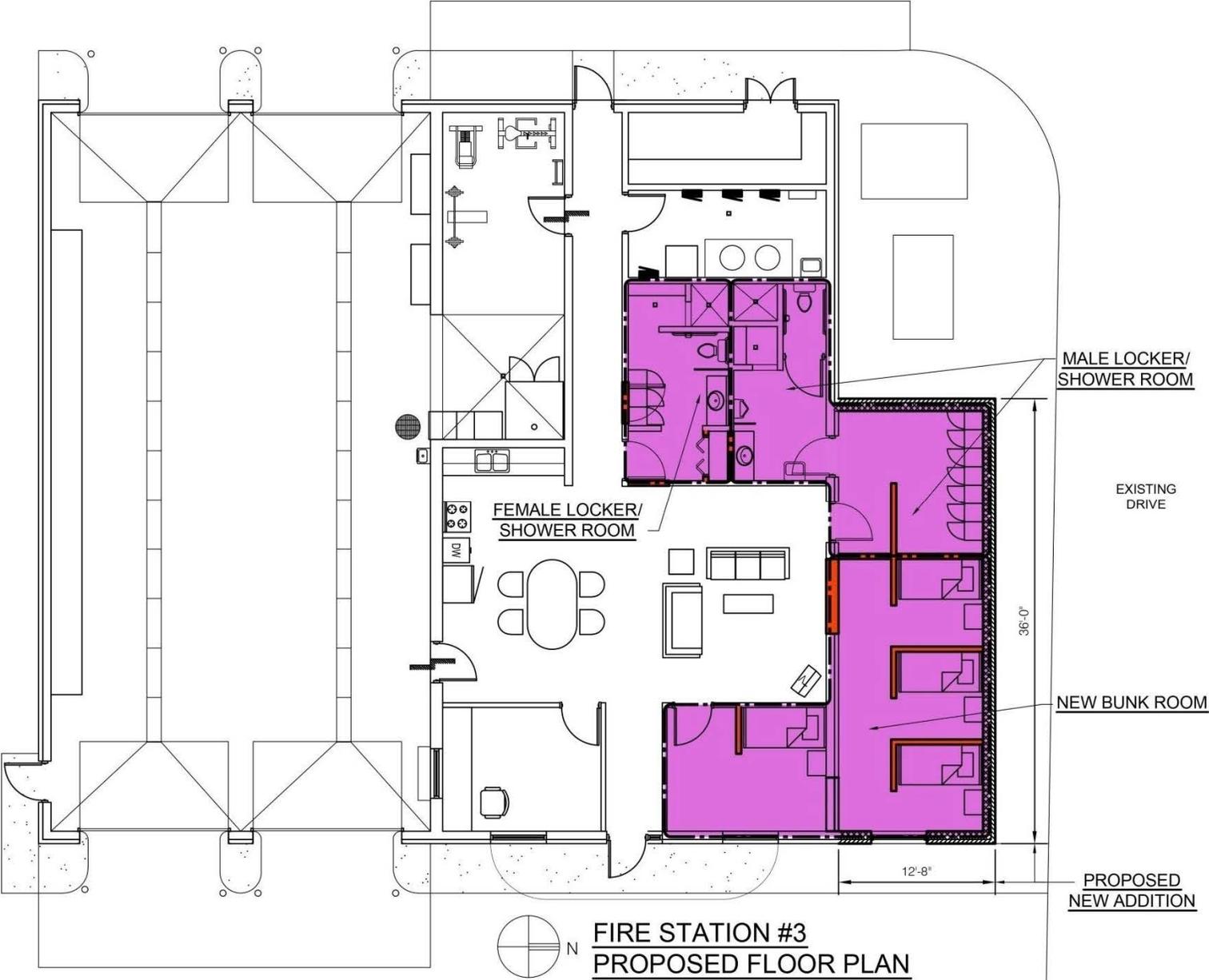
- General Assessment
- Recommendations
 - **Vehicle Exhaust Drop**
 - **Epoxy Floor Finish**
 - **Parking Lot/Drive Repair**
 - Repaint Interior
 - Kitchen Renovation
 - Update Watch Room Finishes
 - Pavement Crack Seal
 - **Addition/Renovation**
 - **Alternative/Replacement Station**

9 MILE ROAD



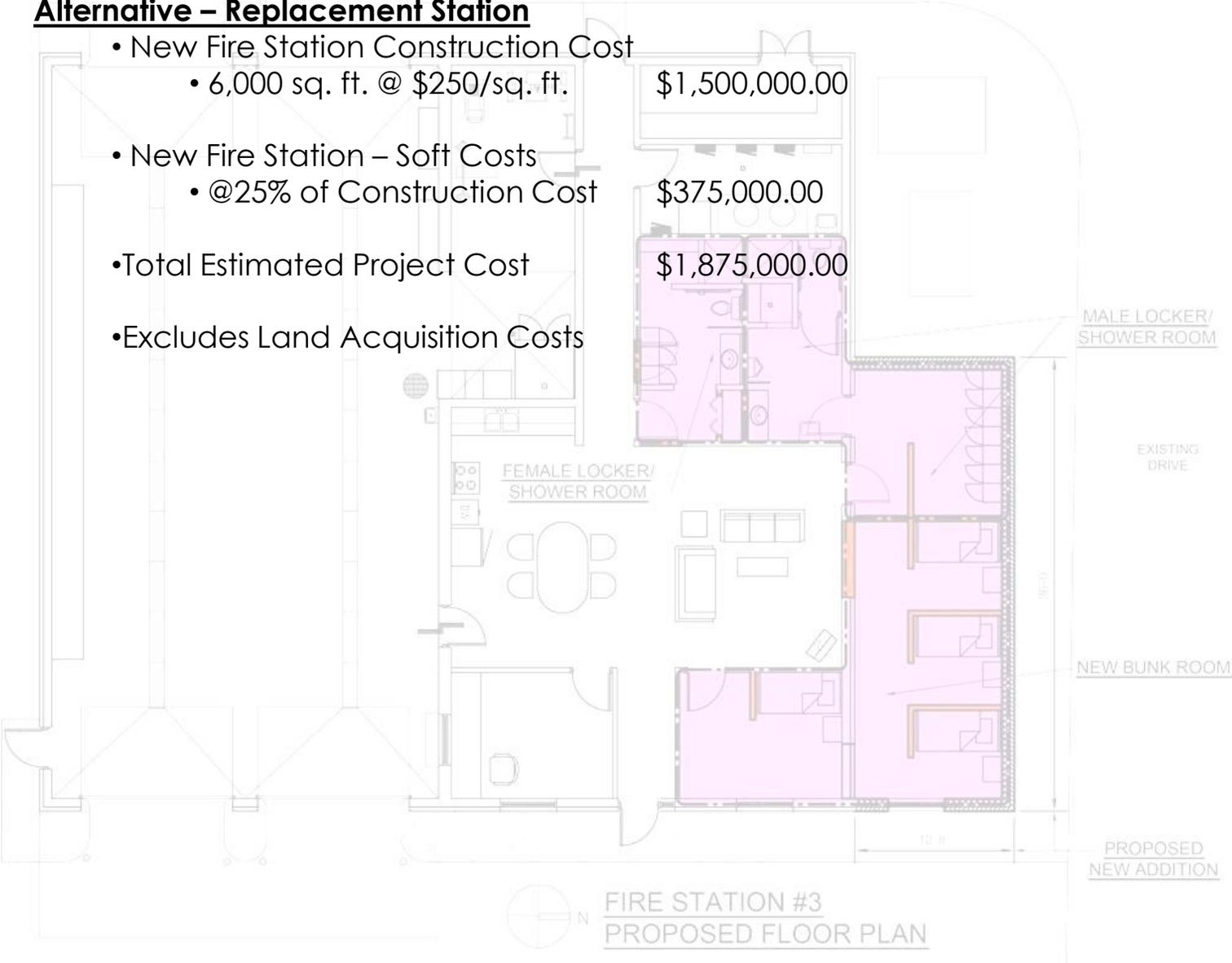
FIRE STATION #3 - AERIAL VIEW

Fire Station #3-Proposed



Alternative – Replacement Station

- New Fire Station Construction Cost
 - 6,000 sq. ft. @ \$250/sq. ft. \$1,500,000.00
- New Fire Station – Soft Costs
 - @25% of Construction Cost \$375,000.00
- Total Estimated Project Cost \$1,875,000.00
- Excludes Land Acquisition Costs



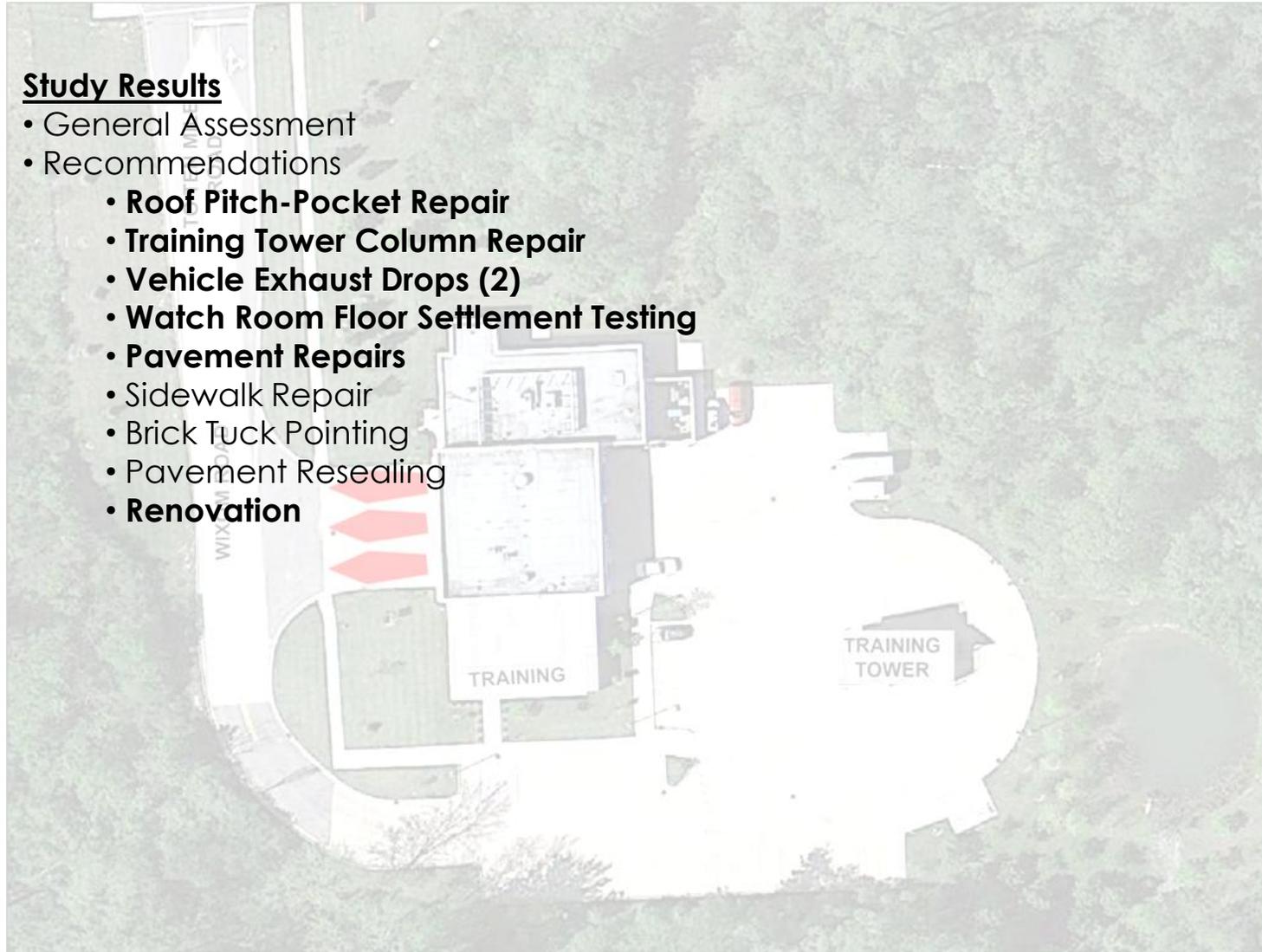
Fire Station #4-Aerial



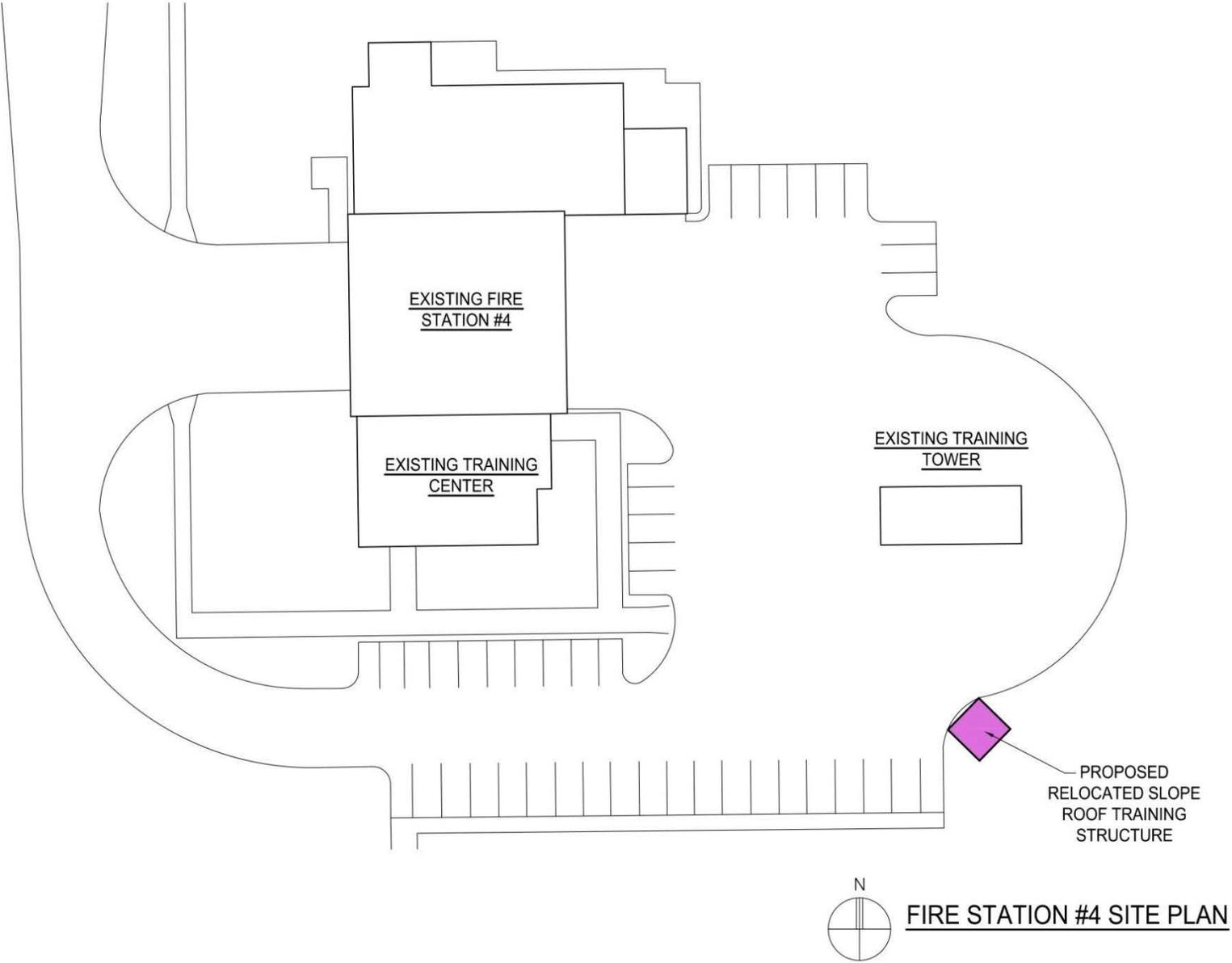
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FIRE STATION #4 - AERIAL VIEW

Study Results

- General Assessment
- Recommendations
 - **Roof Pitch-Pocket Repair**
 - **Training Tower Column Repair**
 - **Vehicle Exhaust Drops (2)**
 - **Watch Room Floor Settlement Testing**
 - **Pavement Repairs**
 - Sidewalk Repair
 - Brick Tuck Pointing
 - Pavement Resealing
 - **Renovation**



Fire Station #4-Proposed





N
CEMS - AERIAL VIEW

Study Results

- General Assessment
- Recommendations
 - **Repair Concrete Slab**
 - **CO Monitor/Exhaust Fan**
 - **Pavement Repair/Replacement**
 - Repaint Overhead Doors
 - Repaint Exterior Doors
 - Replace Downspouts
 - Replace Wood Fence
 - Pavement Crack Seal
 - **Upgrade/Renovation**



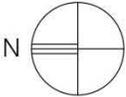
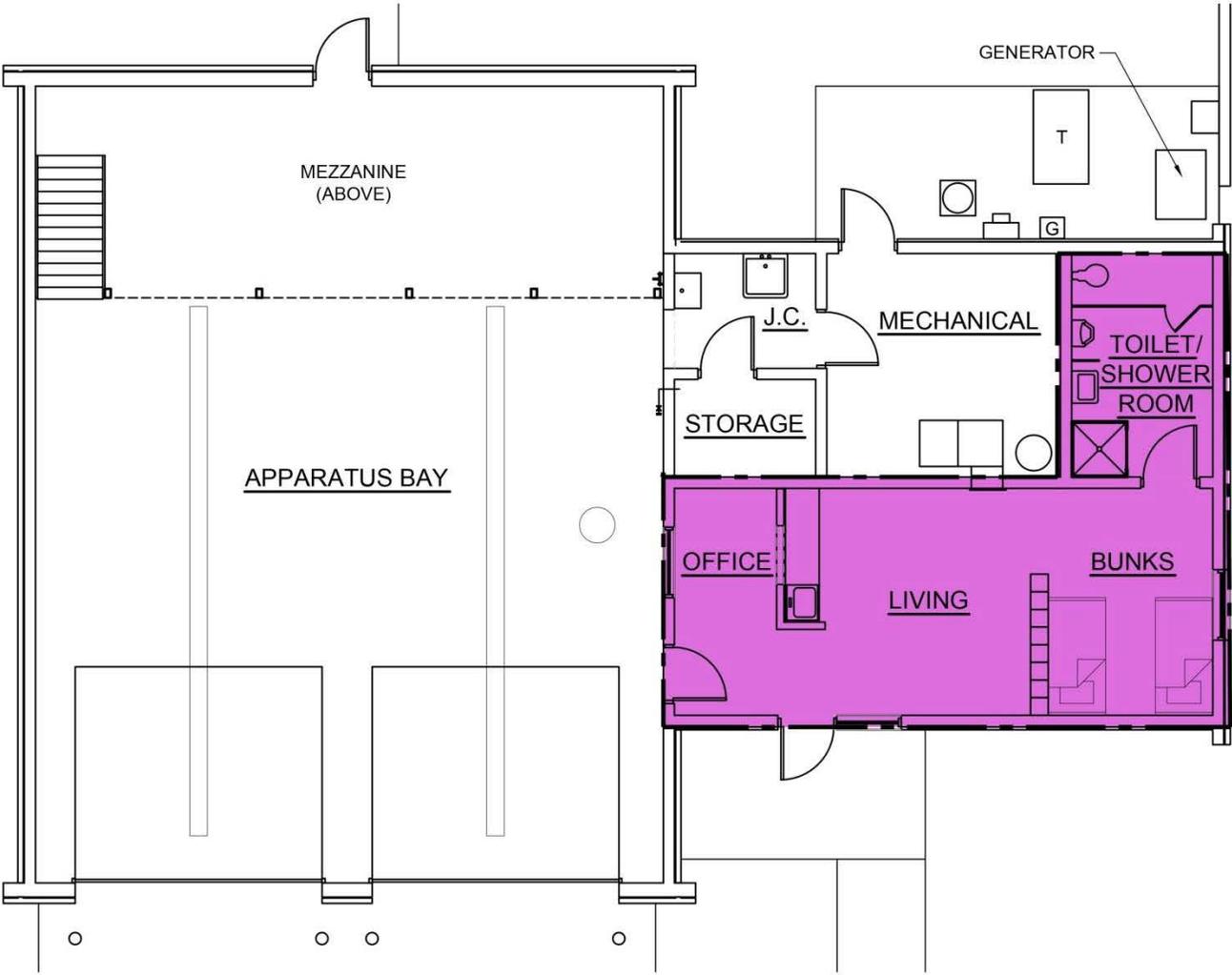
CEMS - AERIAL VIEW



Sidock Architects

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CEMS STATION FLOOR PLAN

DPS Facilities at the Field Services Complex





Study Results

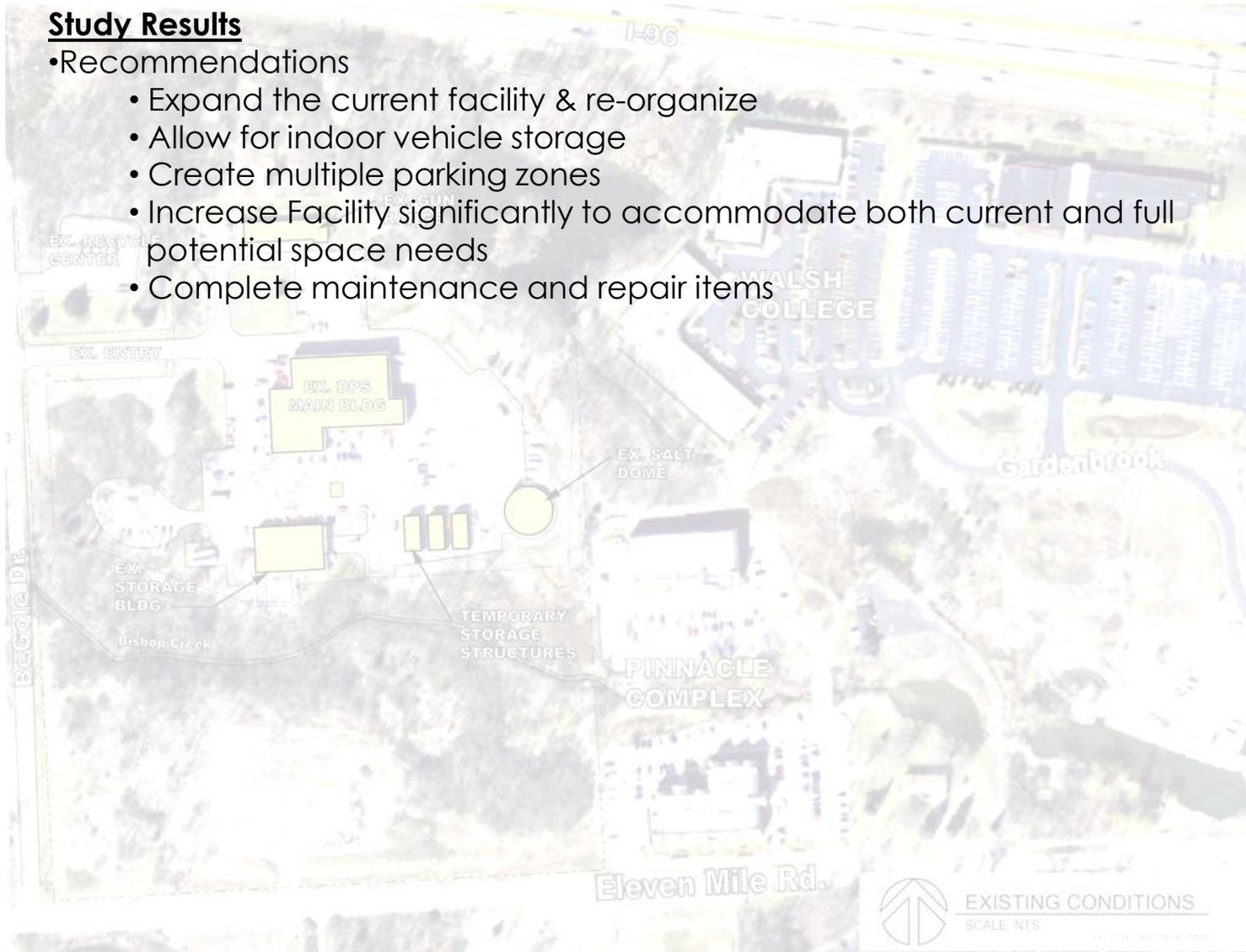
- General Assessment
 - Located in logical location
 - Facility has not kept up with growth
 - Current space and function issues restrict efficiency & safety
 - Inadequate indoor vehicle storage
 - Unsafe indoor vehicle storage
 - Inadequate employee facilities
 - Poor vehicle circulation
 - Many maintenance & repair items



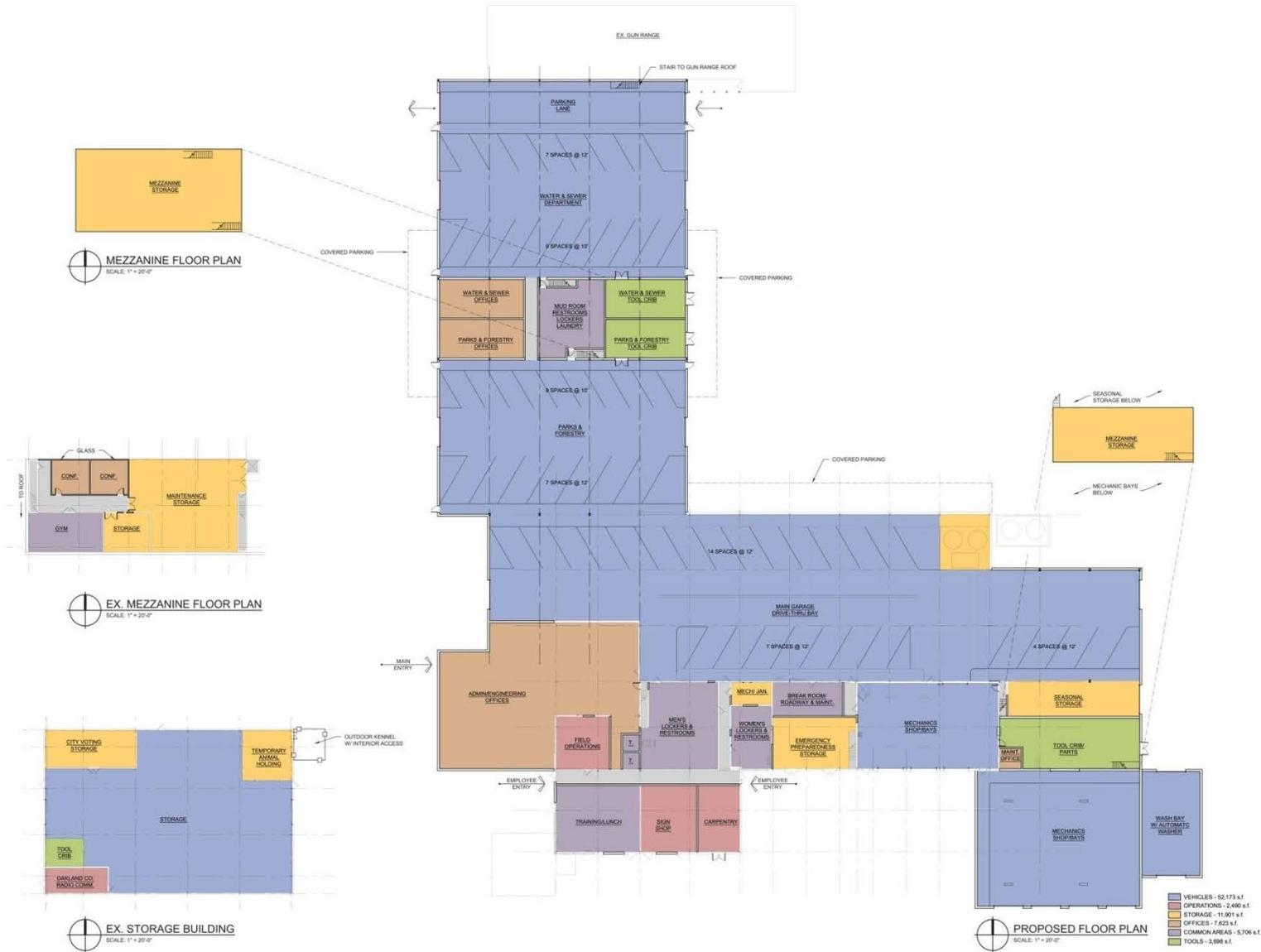
Study Results

•Recommendations

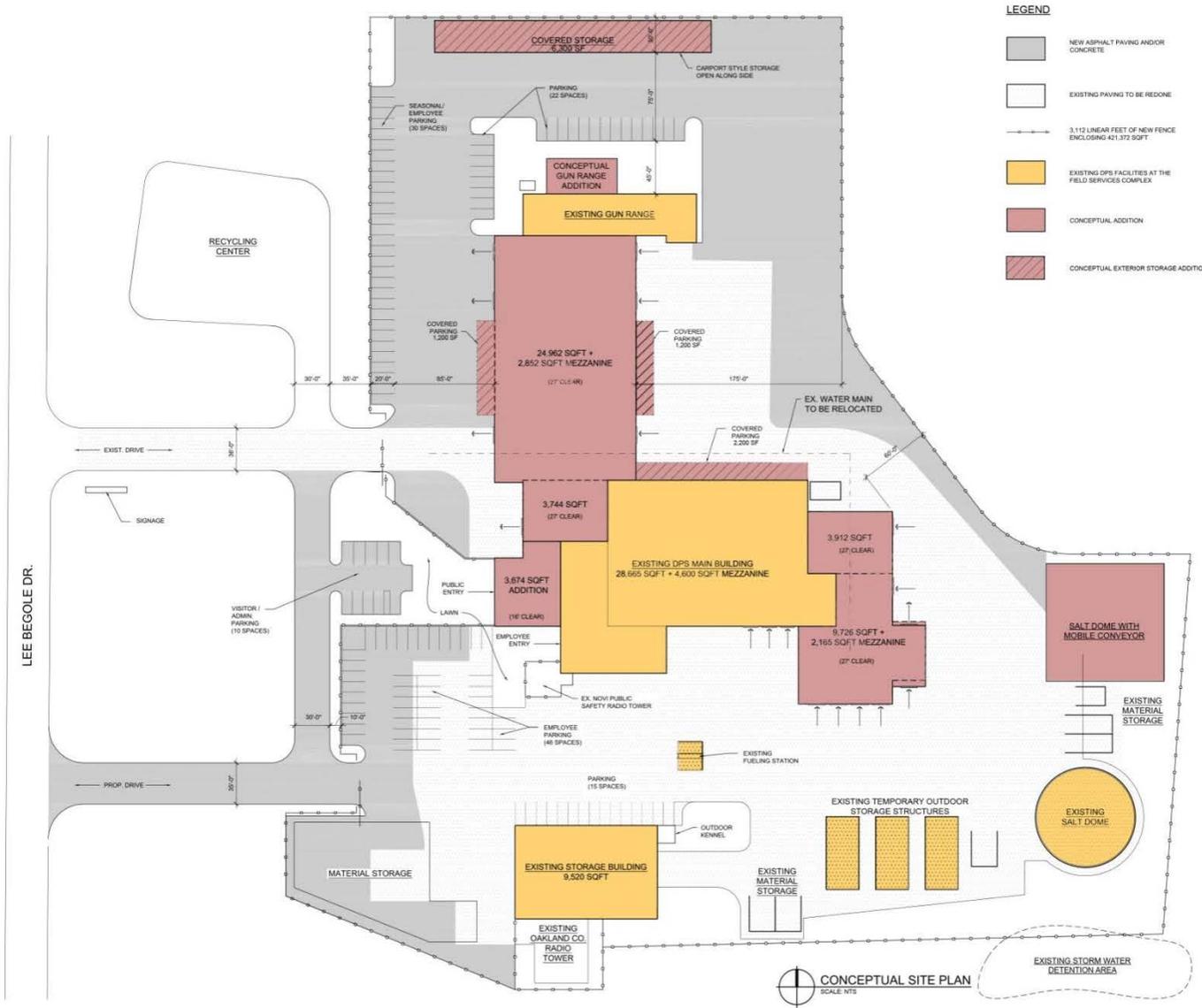
- Expand the current facility & re-organize
- Allow for indoor vehicle storage
- Create multiple parking zones
- Increase Facility significantly to accommodate both current and full potential space needs
- Complete maintenance and repair items



Department of Public Services-Proposed



Department of Public Services-Proposed



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