

South Point Public Works Facility – Warm Storage Building

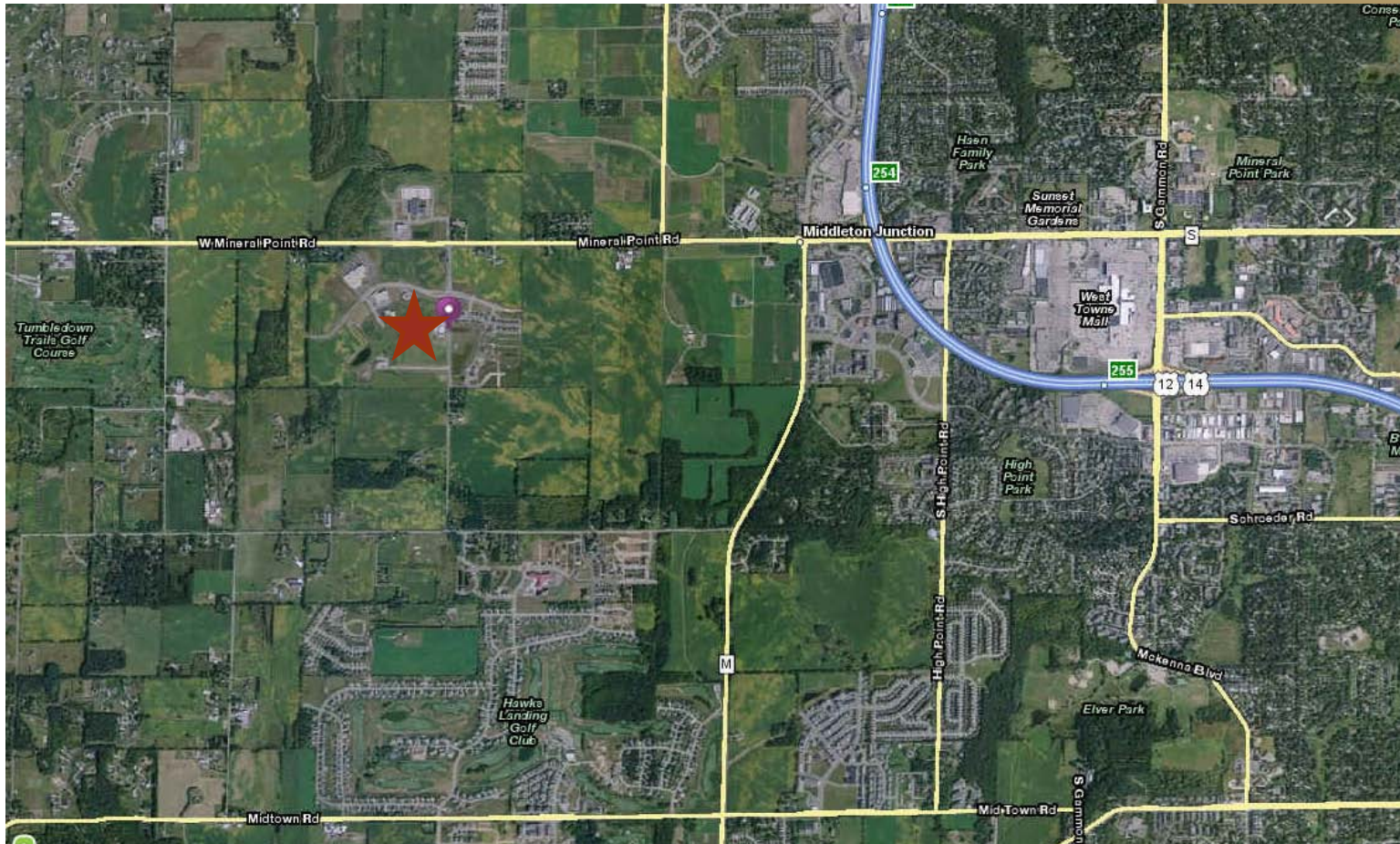
Urban Design Commission
Submittal – Informational and Initial
Approval Presentation
December 7, 2011

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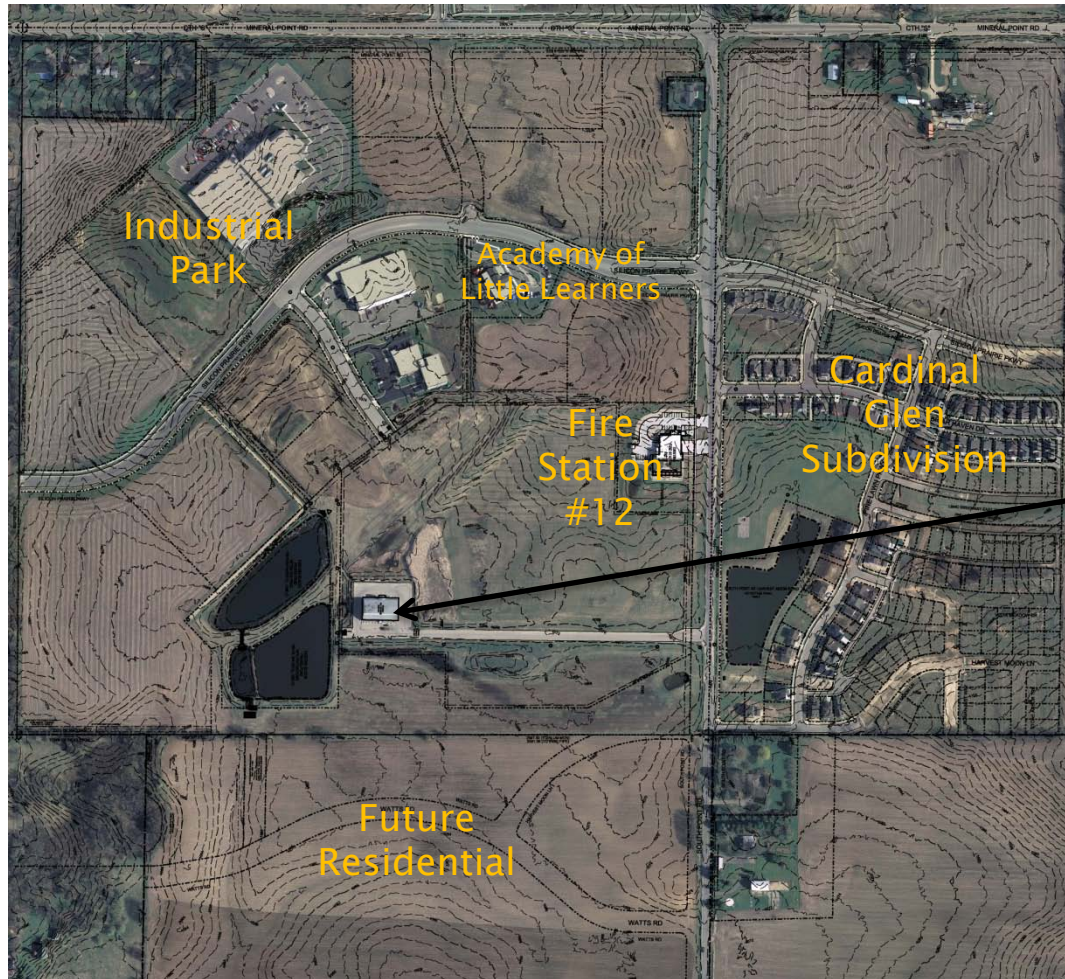
Project Description

- New 21,280 sf Warm Storage Building for Streets Department on existing South Point Public Works Facility site at 402 South Point Road

Location Map



Neighborhood Site Analysis



- Zoned SM – Specific Manufacturing
- Aldermanic District 9

Existing Salt Storage Building and Driveway

Neighborhood Images



Neighborhood Images



Neighborhood Images



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Neighborhood Images



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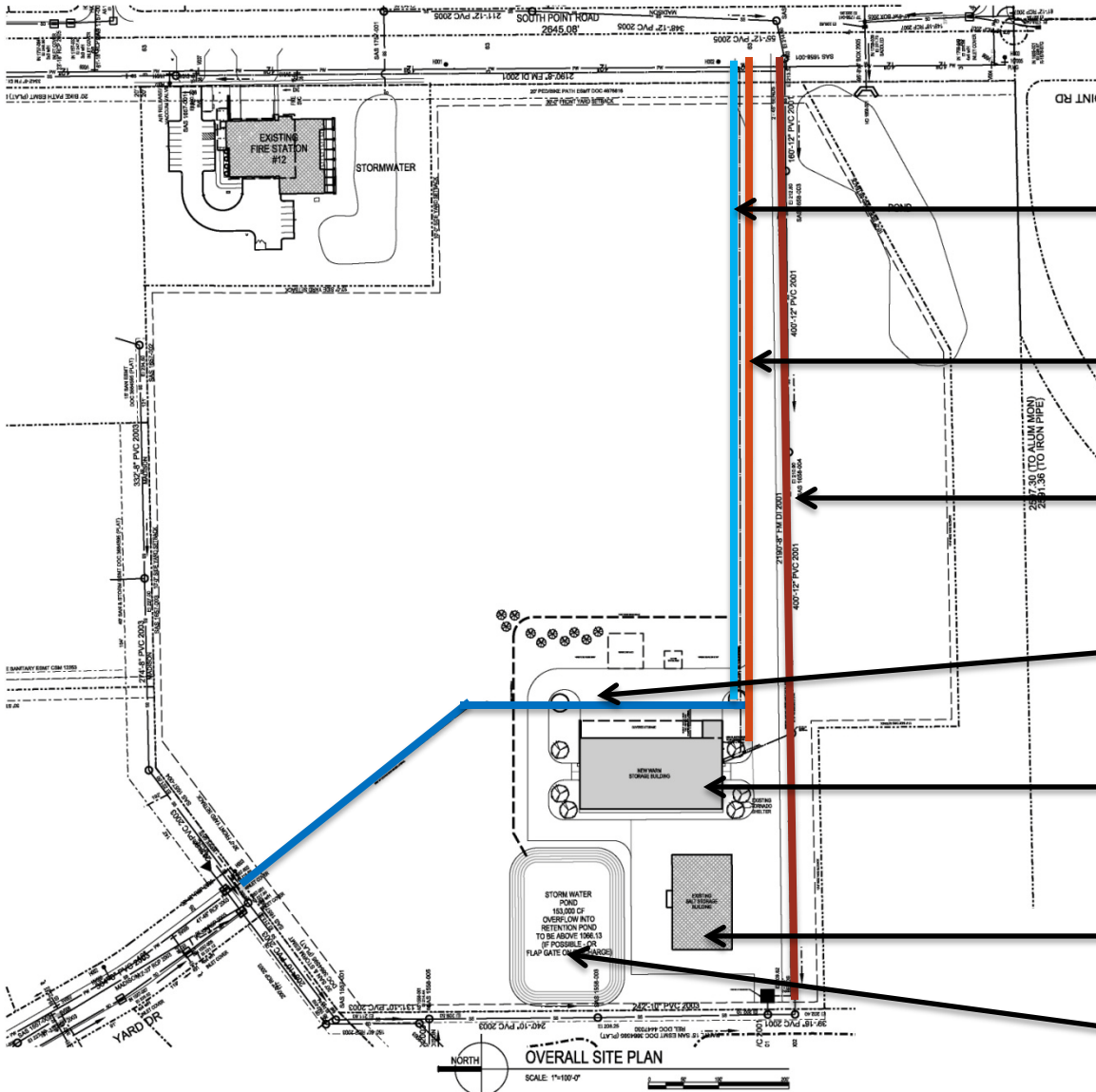
Site Analysis



- Endangered Resources Review did not determine any follow-up actions on the site
- Geotech report determined generally:
 - 5–30" topsoil over
 - 1–3' stiff/hard lean clay over
 - 7–13.5' medium stiff/lean clay and/or very loose to medium dense sand with some silt over
 - Sand w/various amts. of silt and gravel

Anticipated Wetlands (awaiting Wetland Delineation Report)

Overall Site Plan



Future Water lateral to provide loop service

Gas Service from South Point

Sanitary to connect to south

Proposed Water lateral with two fire hydrants

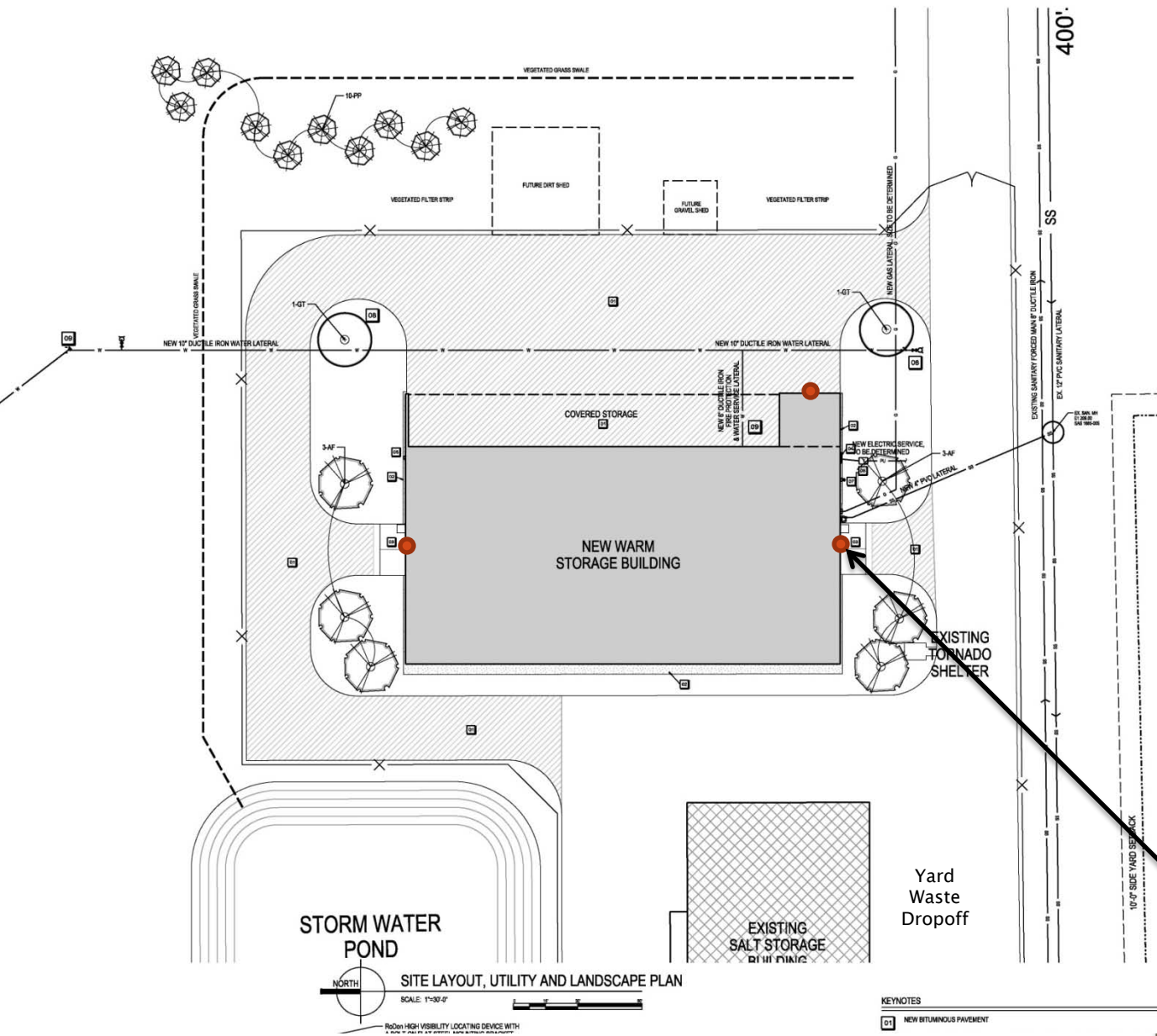
Proposed New Building

Existing Salt Storage

Stormwater Pond to shift to north and decrease in size

Proposed Site / Landscape Plan

- Sienna Freeman Maple
- Sunburst Honey Locust
- Colorado Spruce
- Seeded utility lawn mix
- Stormwater Pond layout to be shifted to north (awaiting survey)
- Covered Storage
- Wall-Pak Exterior Lighting
- Manual Swing Gate to be relocated



Exterior Lighting

COOPER LIGHTING - LUMARK®

DESCRIPTION

The Lumark Wal-Pak Series of wall luminaires provides traditional architectural style with high performance energy efficient illumination. Rugged die-cast aluminum construction, stainless steel hardware along with a sealed and gasketed optical compartment make the Wal-Pak virtually impenetrable to contaminants. IP65 Rated. Six available lamp sources including patent pending energy efficient LED, pulse start metal halide, compact fluorescent, ceramic metal halide, standard metal halide and high pressure sodium. UL and dUL wet location listed. The Wal-Pak wall luminaire is ideal for pathway illumination, building entrances, vehicle ramps, schools, tunnels, stairways and loading docks.

SPECIFICATION FEATURES

Housing

Rugged one-piece die-cast aluminum housing and hinged, removable die-cast aluminum door. One-piece silicone gasket seals the optical chamber. UL 1598 wet location listed and IP65 ingress protection rated. Not recommended for car wash applications.

Electrical

Ballasts, LED driver and related electrical components are hard mounted to the die-cast housing for optimal heat sinking and operating efficiency. Wiring is extended through a silicone gasket at the back of the housing. Three 1/2" threaded conduit entry points allow for thru branch wiring. LED thermal management system incorporates both conduction and natural convection to transfer heat rapidly away from LED source. Integral LED electronic driver incorporates internal fusing designed to withstand a 3kV surge test and is Class 2 rated for 120-277V with an operating temperature of -30° to 60°C. Wal-

Pak LED systems maintain greater than 70% of the initial light output after 50,000 hours of operation. UL listed HID high power factor ballasts are Class H insulation rated (metal halide: 150, 175, 200, 250, 320, 350, 400W [-30°C / -20°F], (high pressure sodium: 50, 70, 100, 150, 250, 400W [-40°C / -40°F]). High efficiency HID ballasts are available in 120V, 208V, 240V, 277V, 347V and 480V. Compact fluorescent high power factor ballasts are Class P insulation rated for 120-277V and have a starting temperature of -18°C / 0°F.

Optical

Highly reflective anodized aluminum reflectors provide high efficiency illumination. Optical assemblies include impact resistant borosilicate refractive glass, Soli™ flat diamond patterned glass and full cutoff IESNA compliant configurations. Patent pending, solid state LED luminaires are thermally optimized with 2400 or 4000 lumen package modules. HID models are offered in horizontal medium or mogul-based

metal halide (MH / MP) or high pressure sodium (HP) lamps. T6 ceramic metal halide (CM) and 4-pin compact fluorescent (CF) lamp models offer high efficiency energy saving illumination.

Door Assembly

Single point, captive stainless steel hardware secures the removable hinged door allowing for ease of installation and maintenance. Door assembly is hinged at the bottom for easy removal, installation and re-lamping.

Finish

Housing and door are protected with 5-stage TGIC dark bronze polyester powder coat paint. Premium TGIC power coat finishes withstand extreme climate changes while providing optimal color and gloss retention. Optional premium colors are available.



Catalog #	Type
Project	OA
Comments	Date
Prepared by	



WP WAL-PAK
2400 - 4000 Lumen LED
39 - 400W
High Pressure Sodium
Pulse Start Metal Halide
Metal Halide
Ceramic Metal Halide
32 - 140W
Compact Fluorescent

WALL MOUNT LUMINAIRE

TECHNICAL DATA

UL and dUL Wet Location Listed
IP65 Rated
-40°C Maximum Ambient Temperature
External Supply Wiring 90°C Maximum
EISA B, ARA, Title 20 Compliant
LM79 / LM80 Compliant

ENERGY DATA

Reactor Ballast Input Watts

50W HPS NPF (58 Watts)
70W HPS NPF (82 Watts)
100W HPS NPF (119 Watts)
150W HPS NPF (175 Watts)

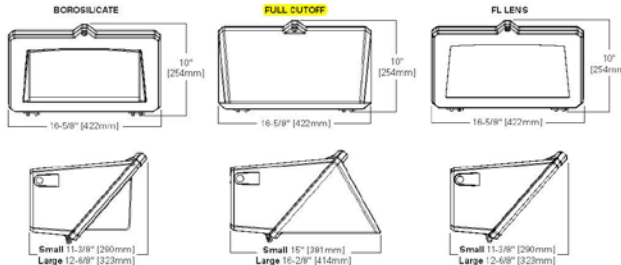
High Reactance Ballast Input Watts

50W MP HPF (69 Watts)
70W MP HPF (84 Watts)
100W MP HPF (125 Watts)
150W MP HPF (185 Watts)
CWA Ballast Input Watts
200W HFS HPF (250 Watts)
200W MP HPF (227 Watts) Ⓞ
250W MP HPF (280 Watts) Ⓞ
300W MP HPF (395 Watts) Ⓞ
350W MP HPF (450 Watts) Ⓞ
400W HFS HPF (485 Watts)
400W MP HPF (452 Watts) Ⓞ

SHIPPING DATA

Approximate Net Weight:
32-42 lbs. (15-19 kgs.) AD81092103.ppt
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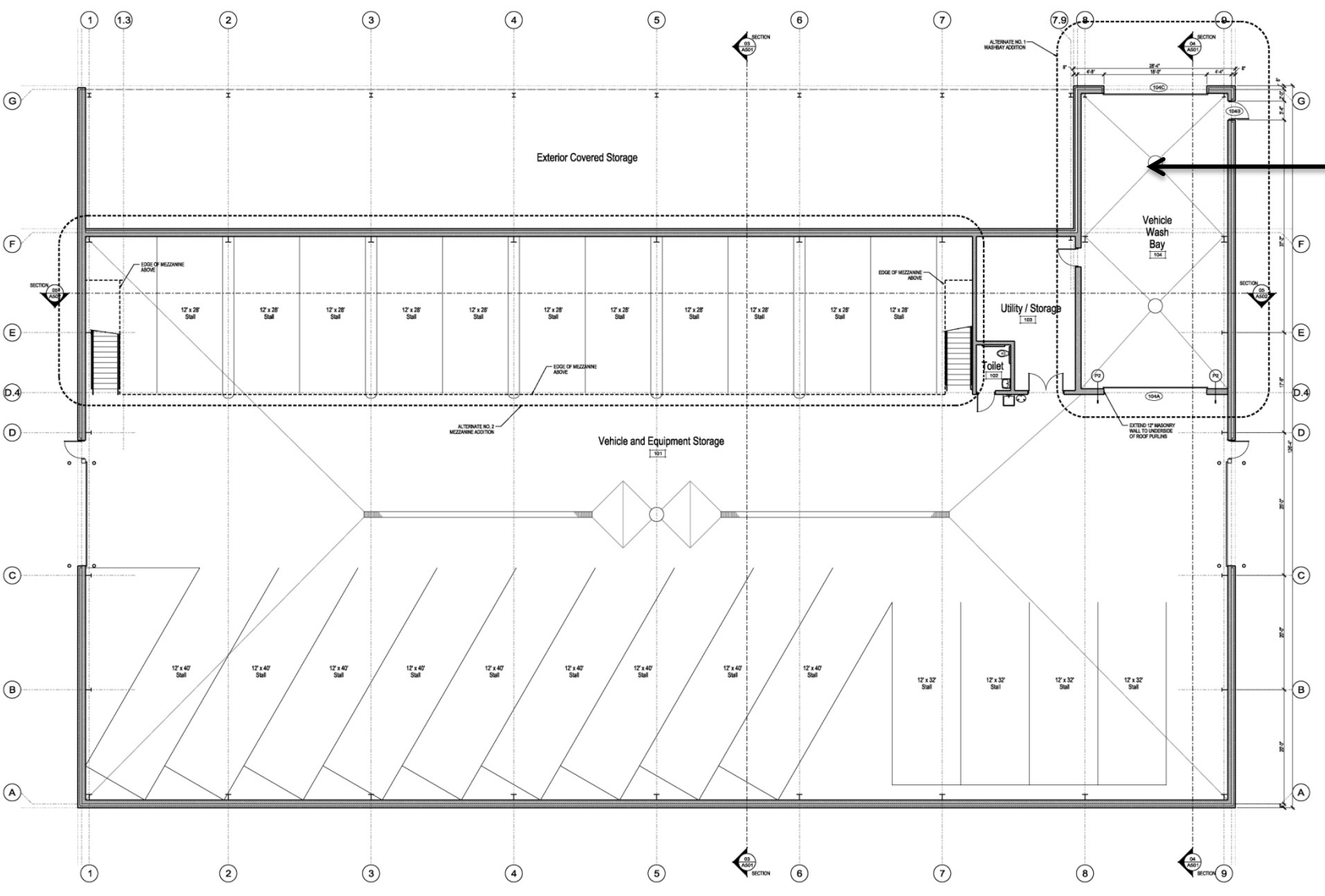
DIMENSIONS



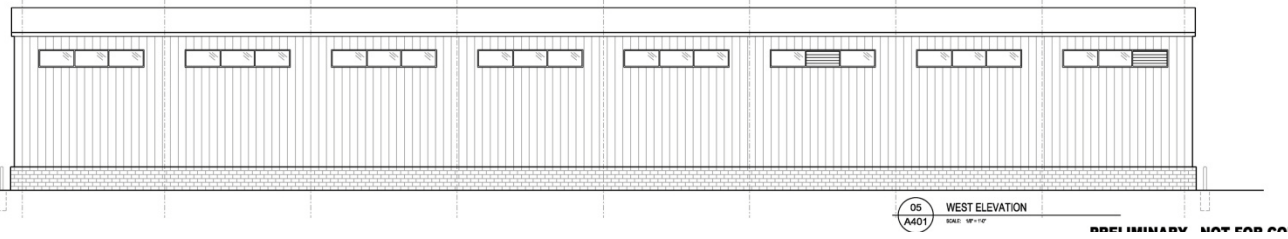
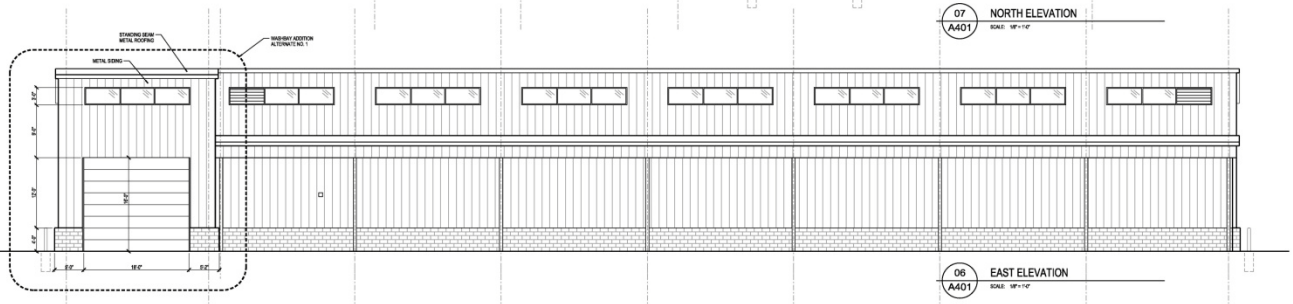
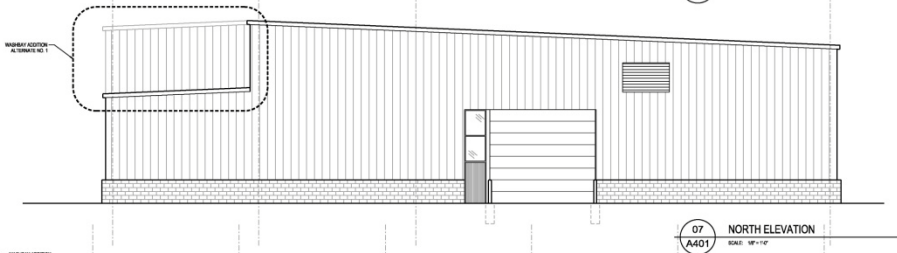
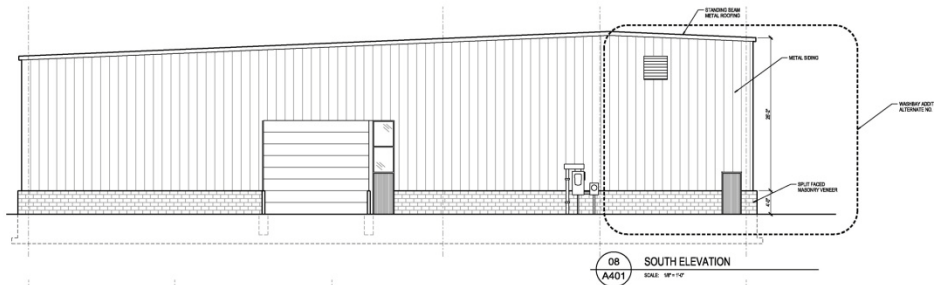
COOPER Lighting
www.cooperlighting.com

Proposed Building Plan

Wash Bay is an alternate

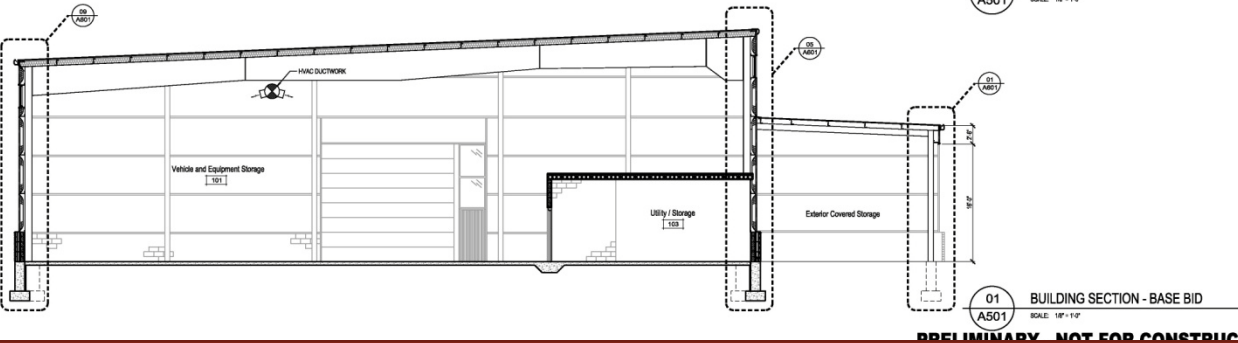
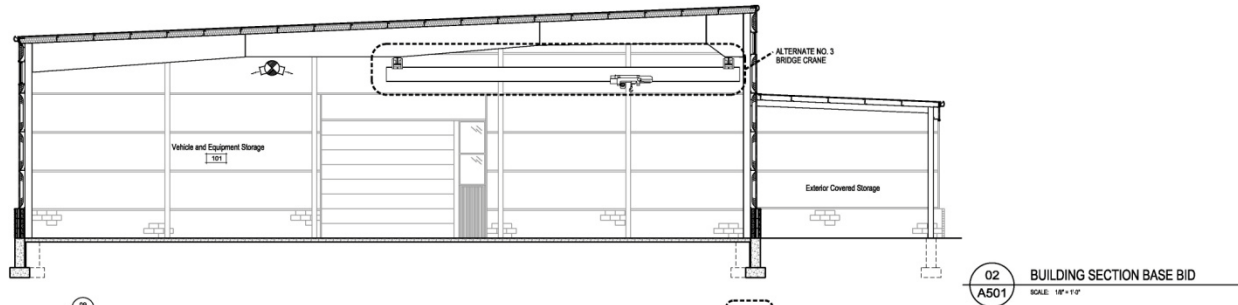
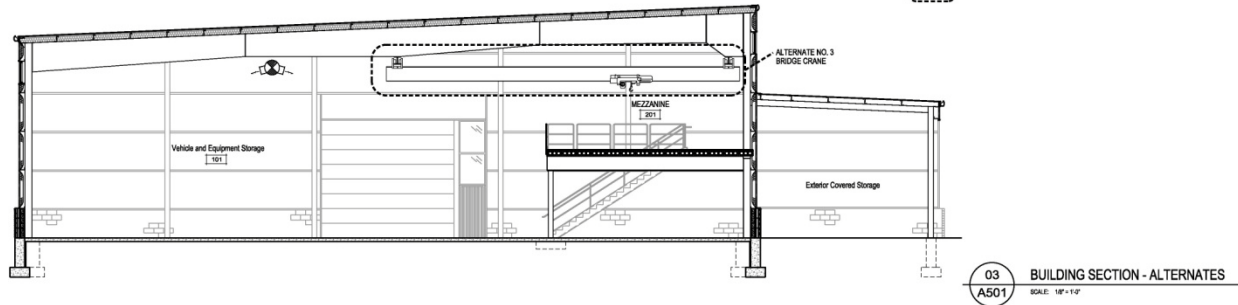
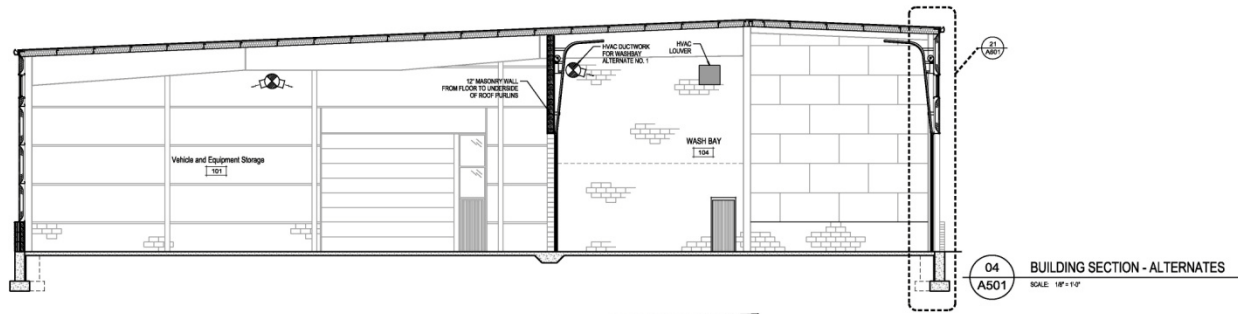


Proposed Building Elevations



PRELIMINARY - NOT FOR CONSTRUCTION

Building Sections



PRELIMINARY - NOT FOR CONSTRUCTION

Proposed Building Elevations – Option 1



Building Materials:

- Hunter Green Metal Panel
- Buff Split-Face Block
- Tan Doors & Frames & Fascia
- Snow White Standing Seam Roof

Proposed Building Elevations – Option 2



Building Materials:

- Rustic Red Metal Panel
- Adobe Split-Face Block
- White Doors & Frames & Fascia
- Snow White Standing Seam Roof

Thank you for your time.

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