



Town of Truro New Public Works Facility



Building Committee Questions
April 18, 2024

Town of Truro
New Public Works Facility

Items for Discussion

- Wash Water Holding Tank Info
- Updated Concept Additional Info (from questions)
- Cost for Solar Panels

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Wash Water Holding Tank Info

ASSUMPTIONS

- 36 vehicles
- 7 gpm flow rate
- 100% of fleet washed every other week
- Wash time 10 min – 20 min
- Undercarriage wash time is 45 seconds at 100 gpm

RESULTS

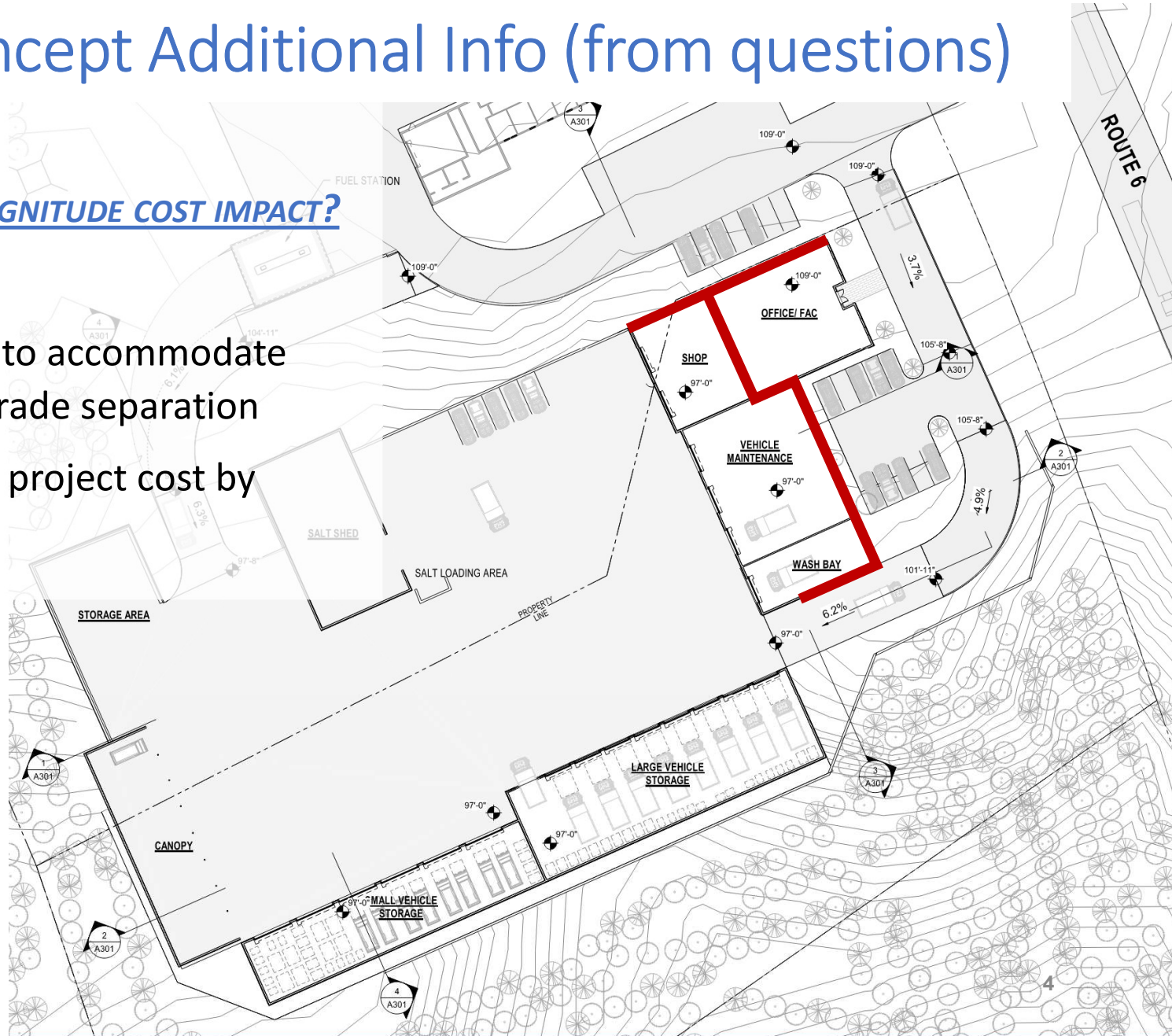
- Pump 7,200 gal every 5 weeks from holding tank
- Pricing at @\$0.25/gal to pump/haul/dispose = \$1,800 each **(\$18,720/year)**

Town of Truro New Public Works Facility

Updated Concept Additional Info (from questions)

TIERED FLOOR ORDER OF MAGNITUDE COST IMPACT?

- Increased wall height to accommodate earth retention and grade separation
- estimated to increase project cost by \$110,000 - \$125,000

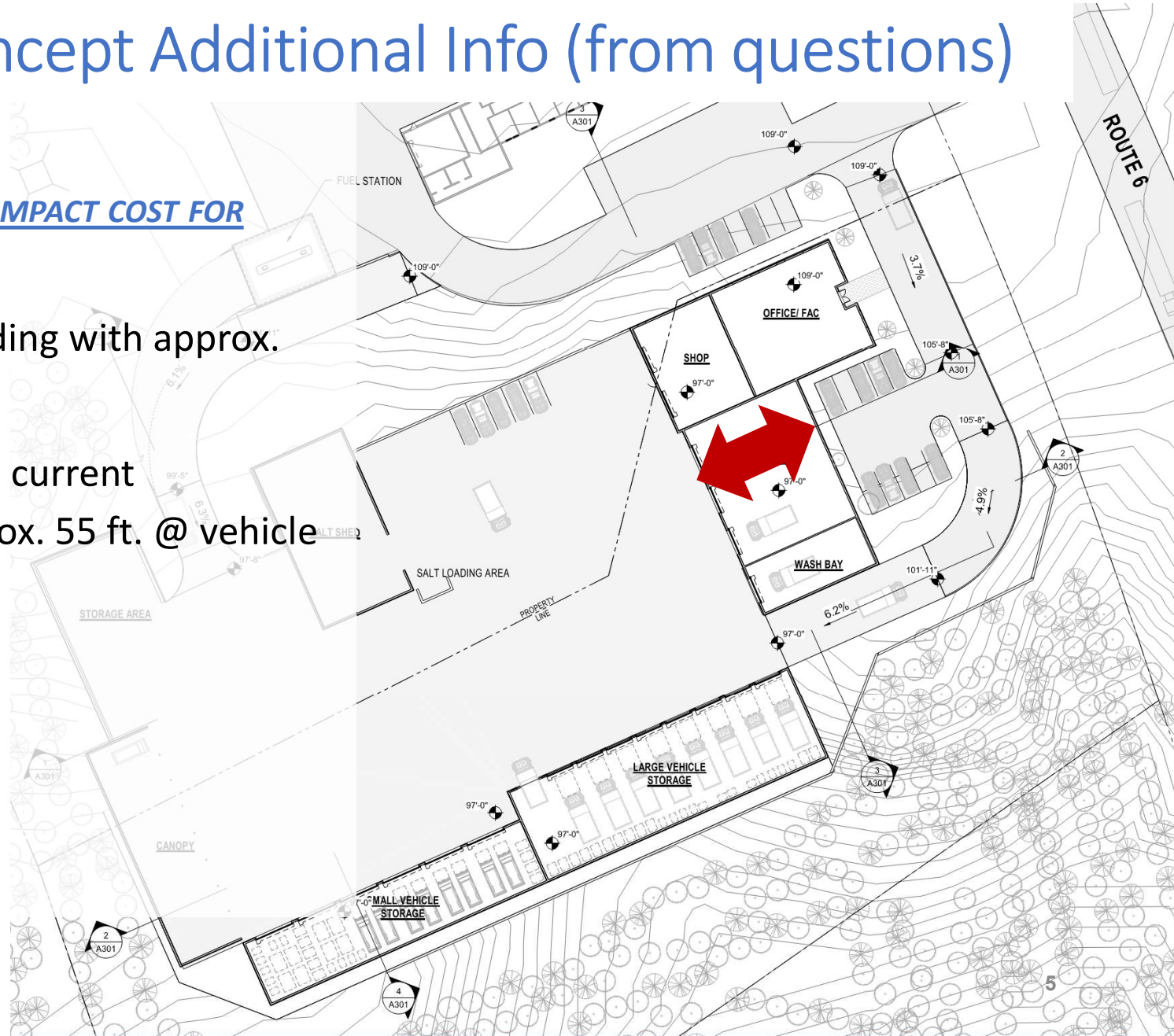


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Updated Concept Additional Info (from questions)

WILL LONG SPANS HAVE AN IMPACT COST FOR TIMBER BUILDING?

- Pricing based on building with approx. 69' span
- Truro longest span (in current configuration) is approx. 55 ft. @ vehicle maintenance

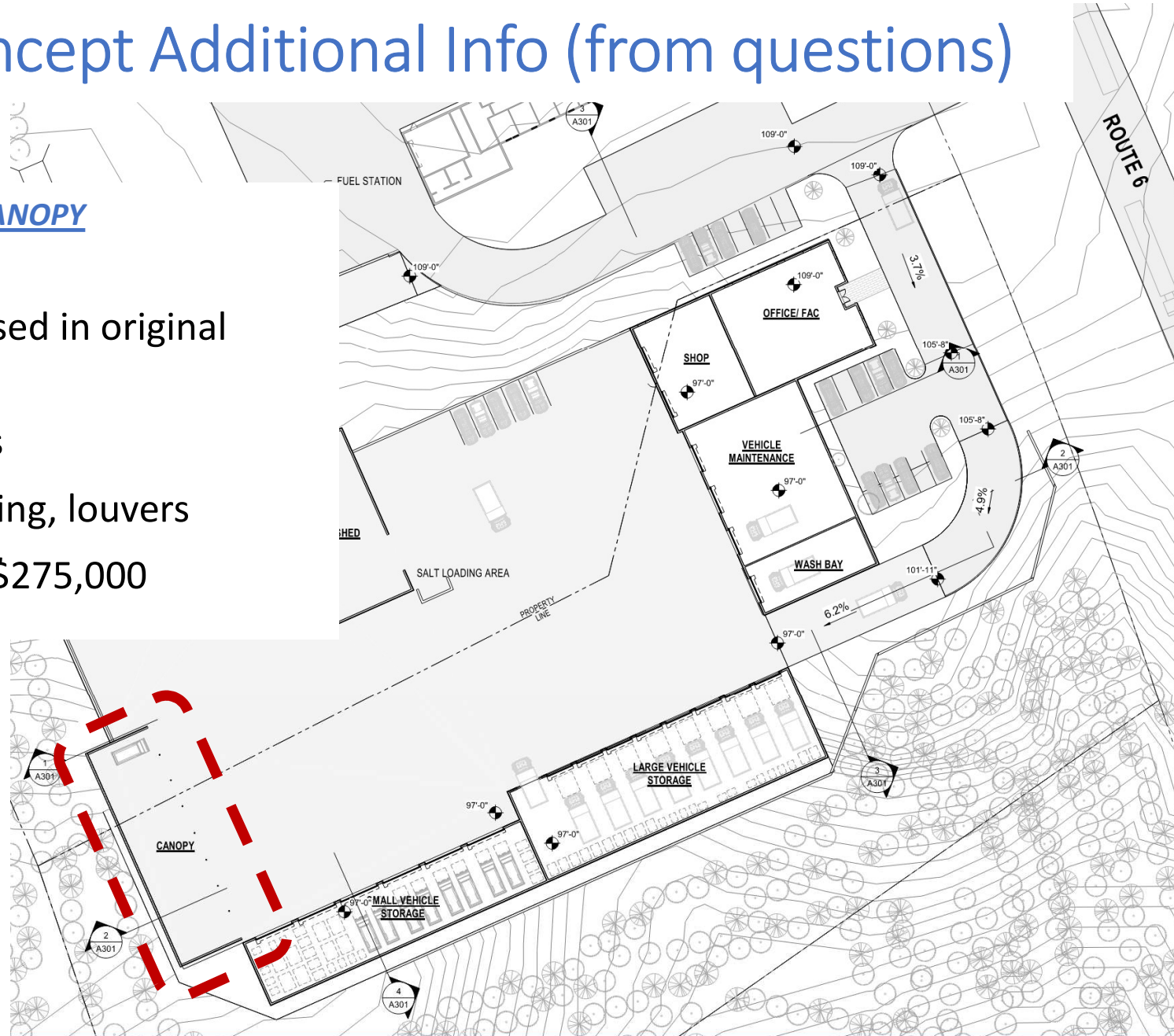


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Updated Concept Additional Info (from questions)

COST IMPACT IF ENCLOSING CANOPY (STEEL AND TIMBER OPTIONS)

- 3 sides anticipated closed in original pricing
- Added overhead doors
- Added electricity, lighting, louvers
- Anticipate \$200,000 - \$275,000

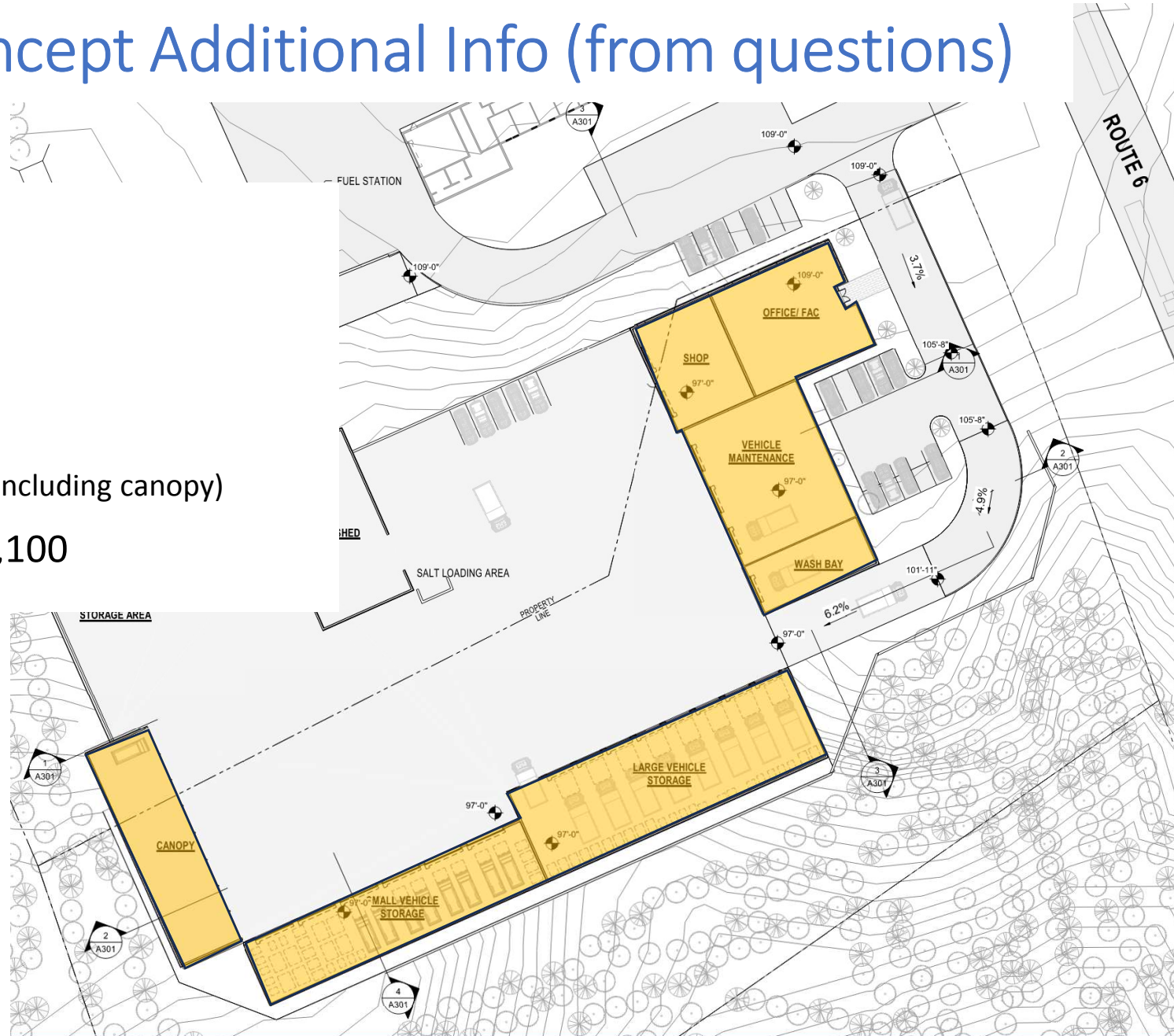


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Updated Concept Additional Info (from questions)

COST FOR SOLAR PANELS

- Average 20 watts/sf
- Cost \$3.00/watt
- 75% roof coverage
- Roof area = 23,540 sf (including canopy)
- Estimated Cost = \$353,100



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Questions