

AMP At The Point

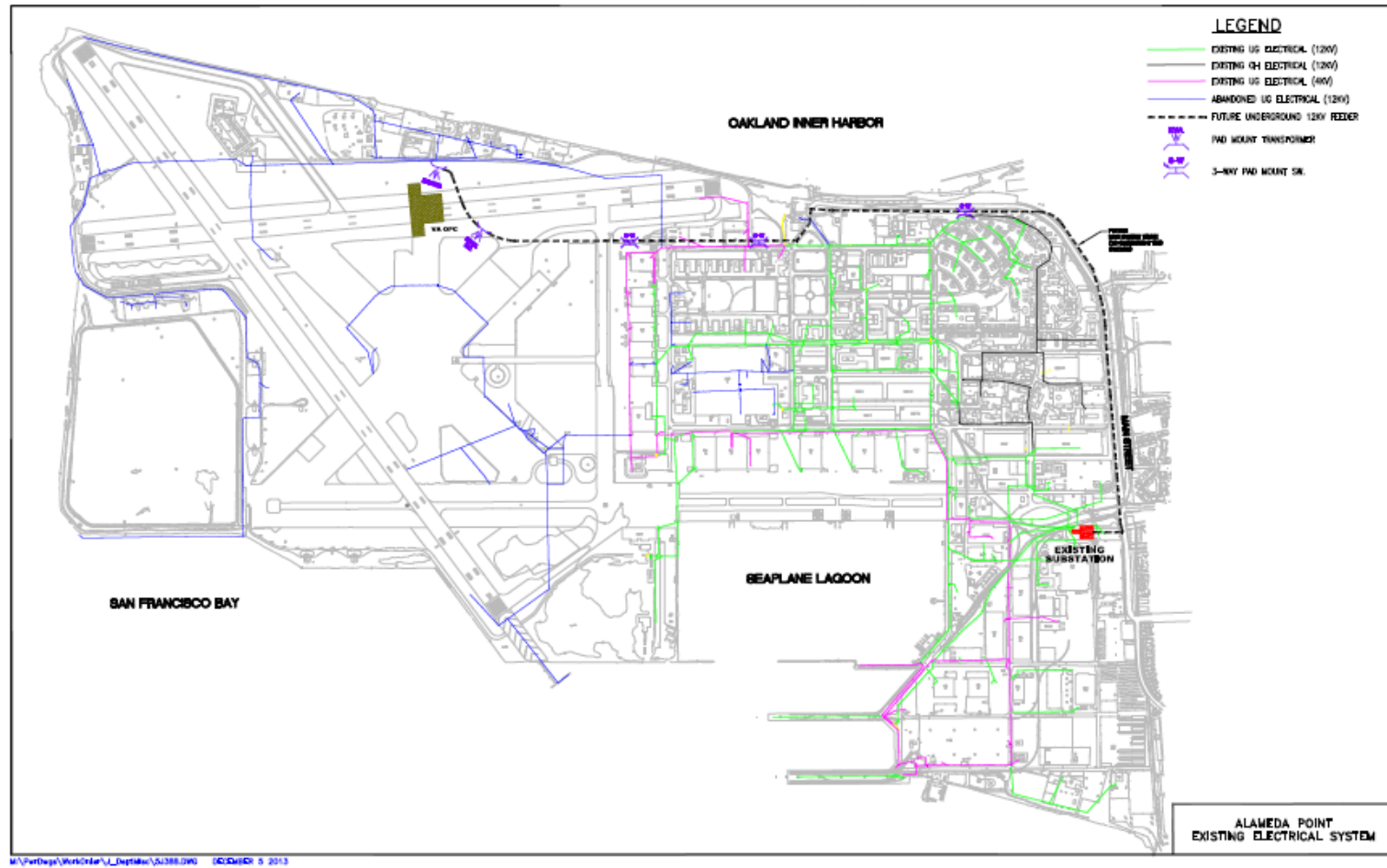
Current and Planned Infrastructure

Public Utilities Board Meeting
March 17, 2014

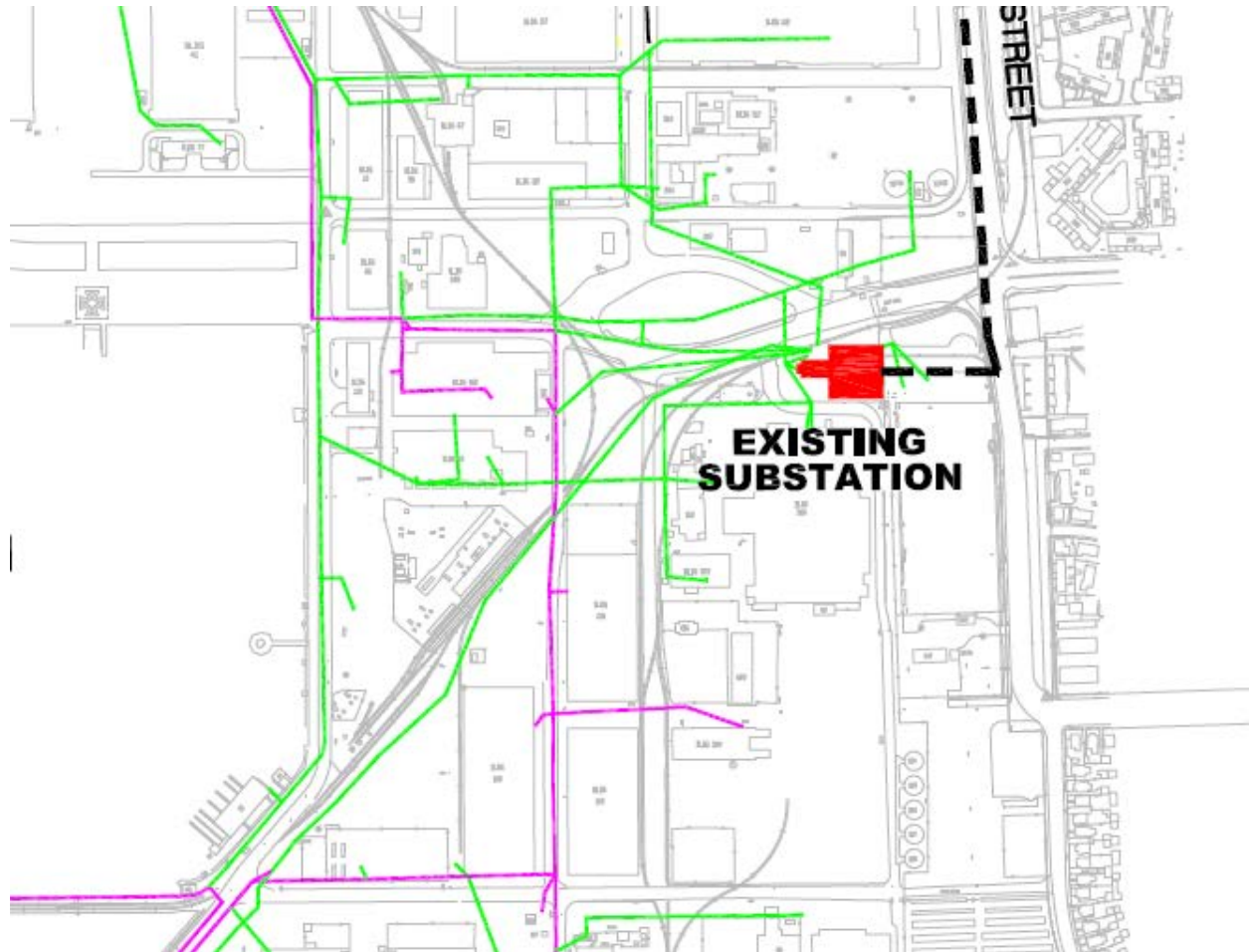
Overview

- Existing system
- AMP improvements
- AMP planned improvements
- Advanced distribution planning for future development and reuse

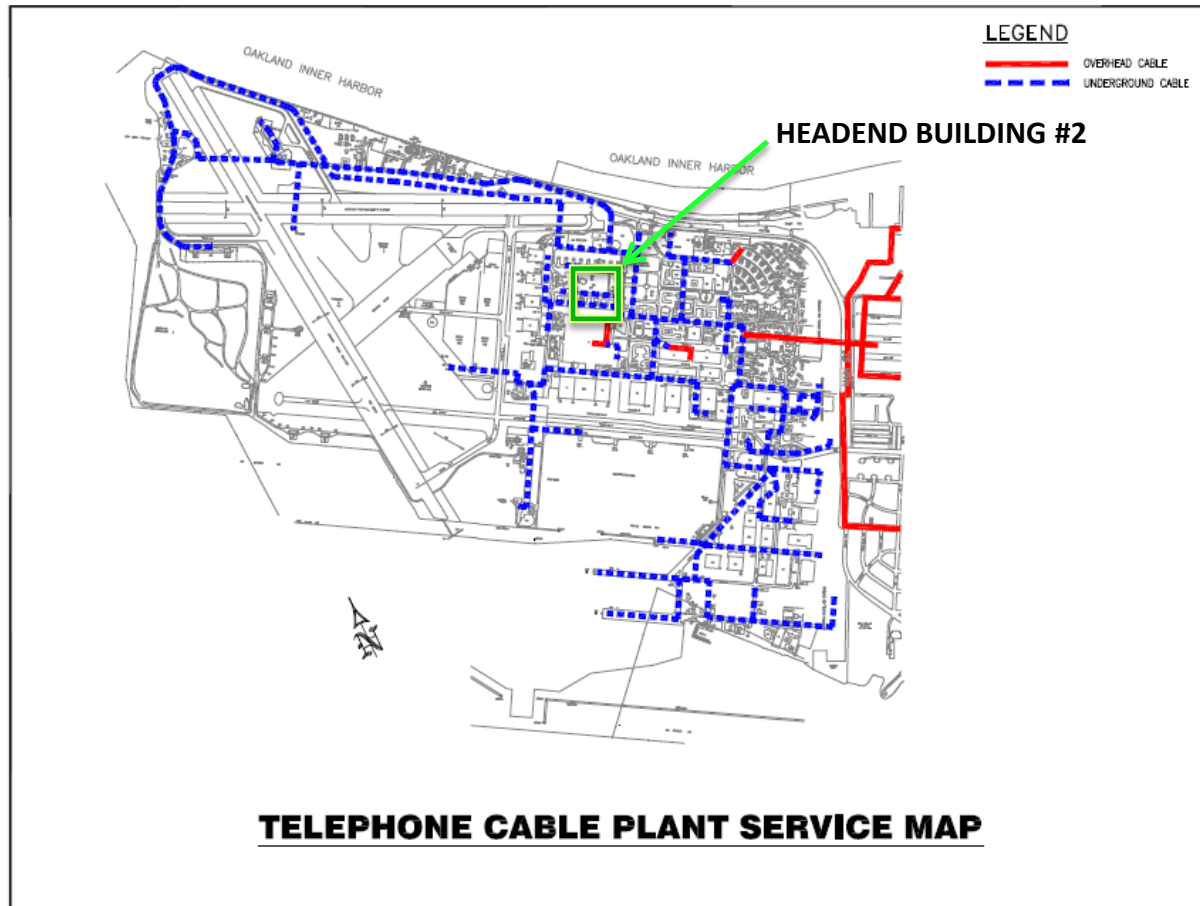
AMP EXISTING DISTRIBUTION



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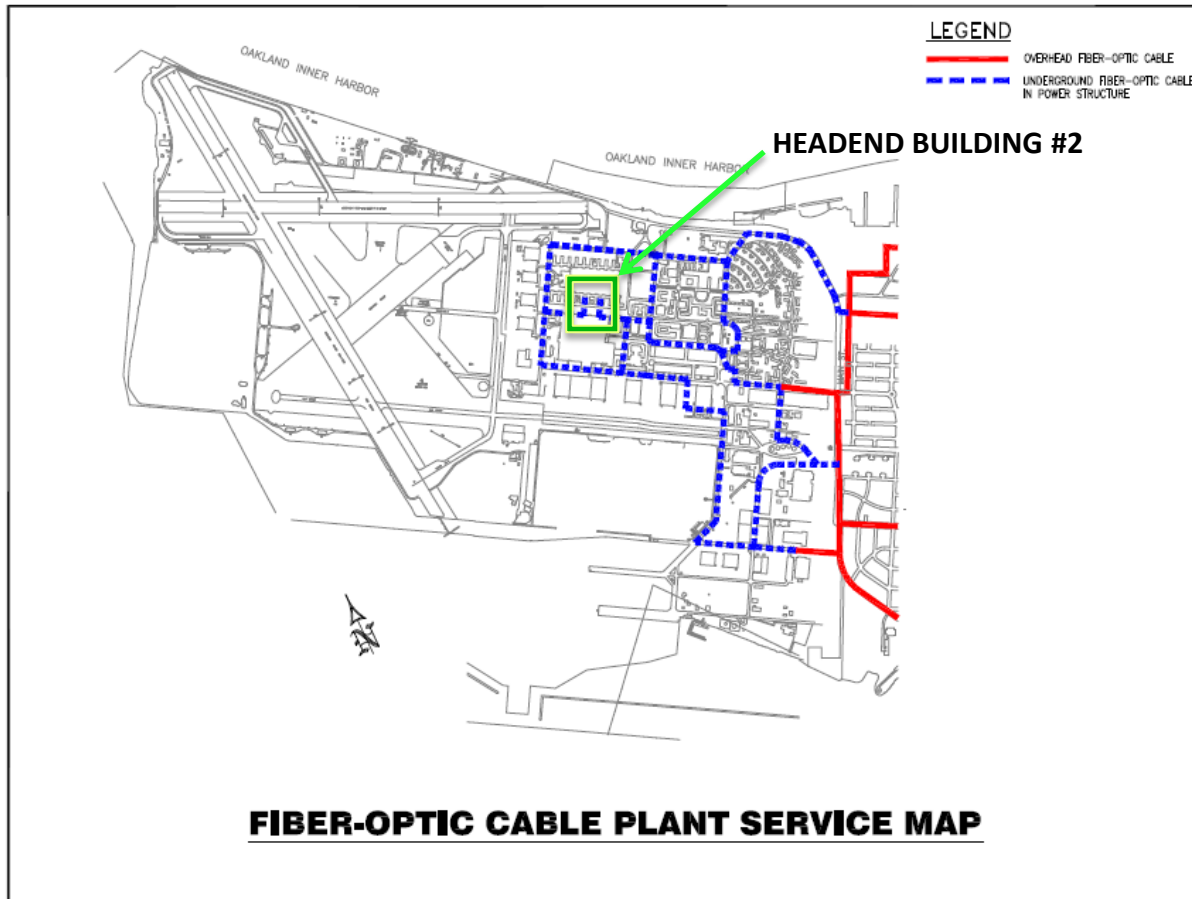


EXISTING TELEPHONE DISTRIBUTION



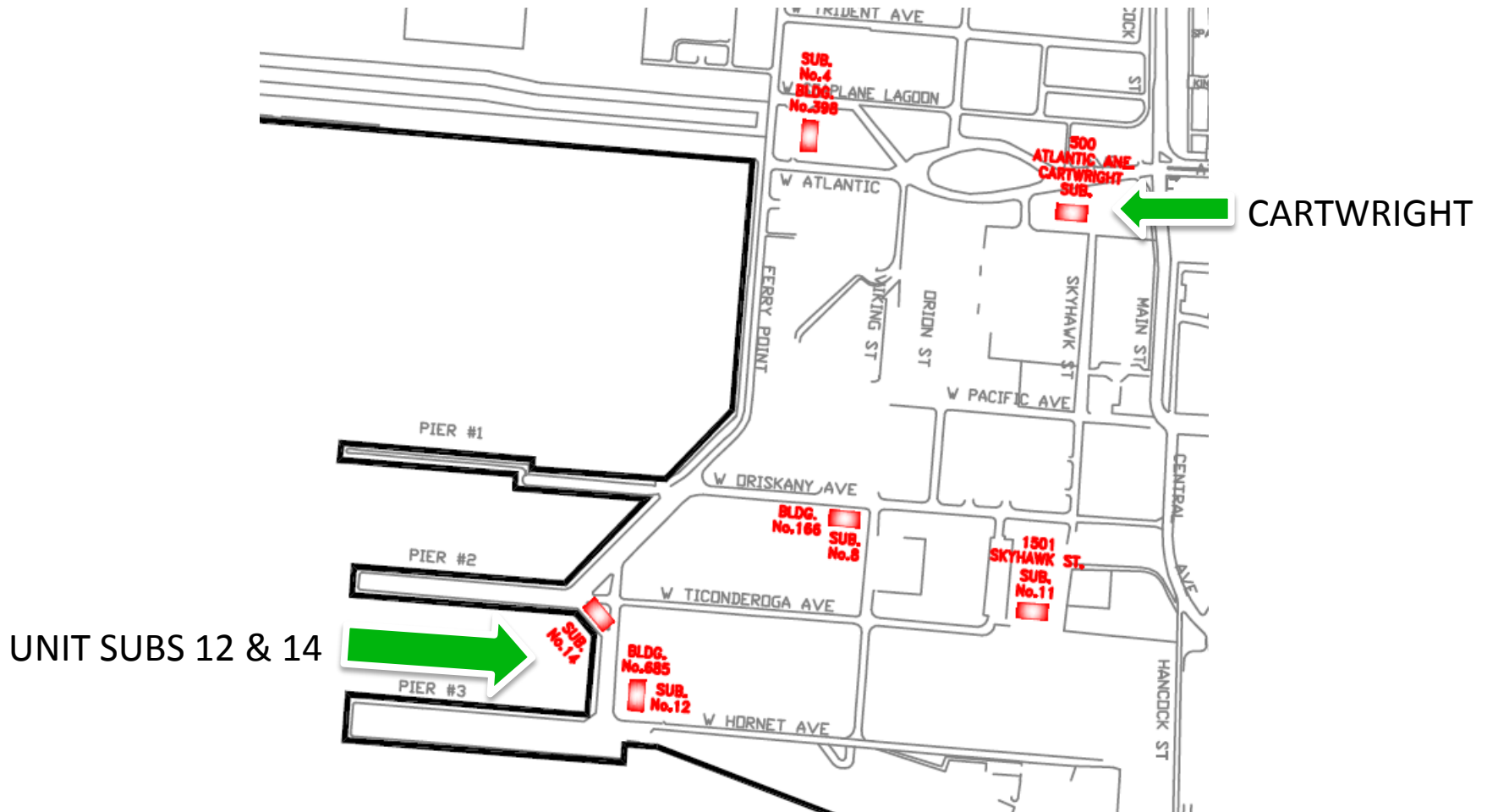
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EXISTING CABLE DISTRIBUTION

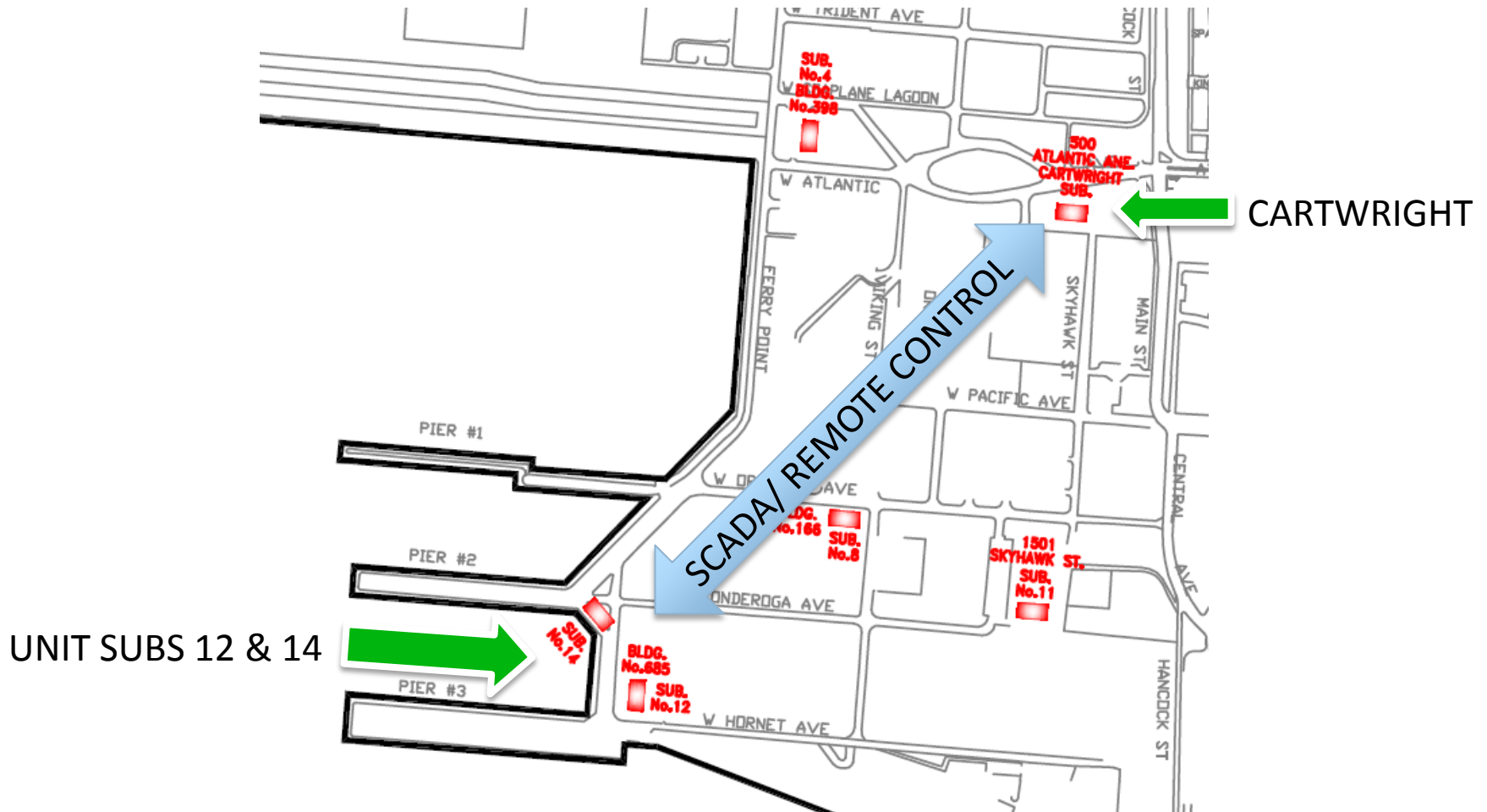


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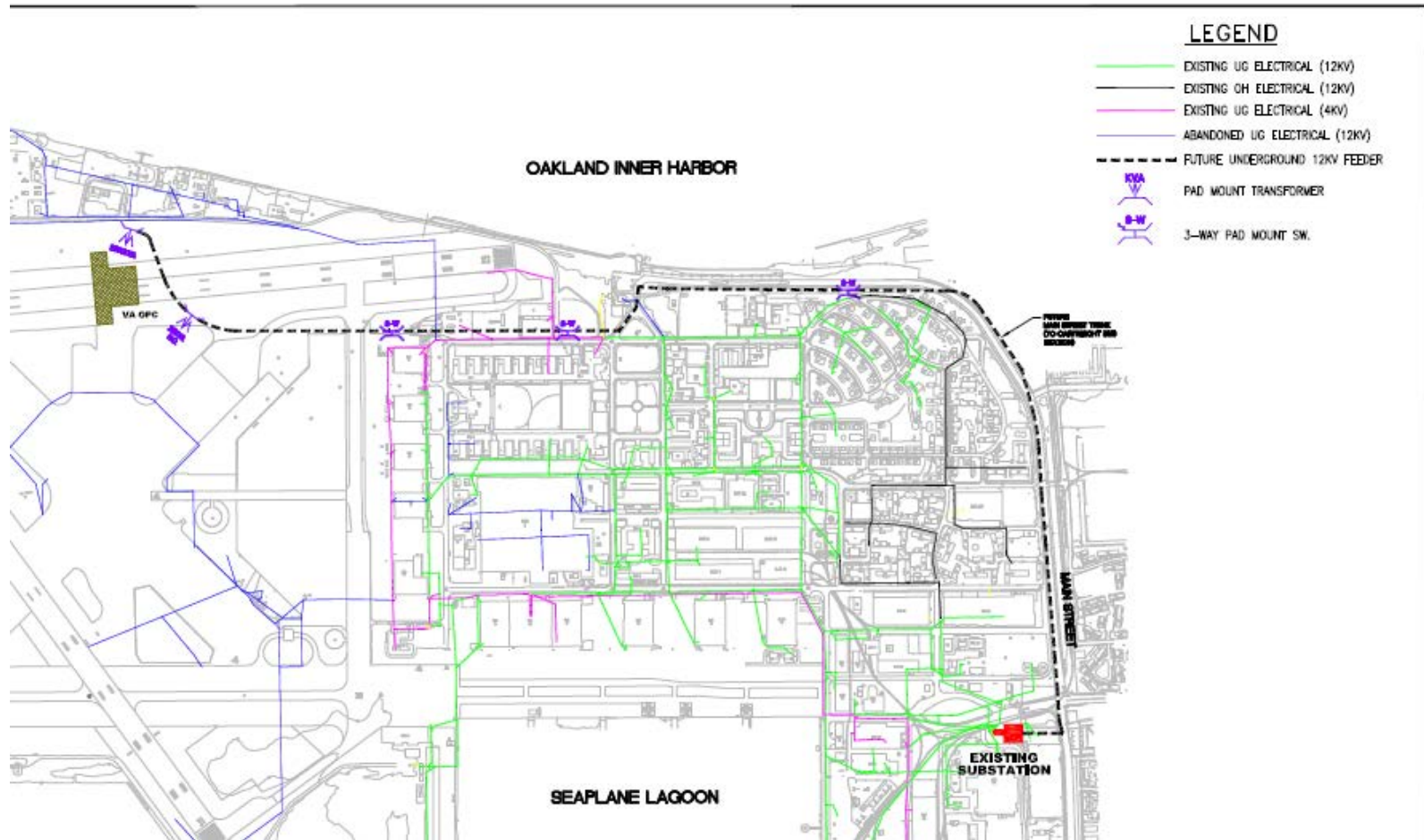
AMP IMPROVEMENTS



AMP IMPROVEMENTS

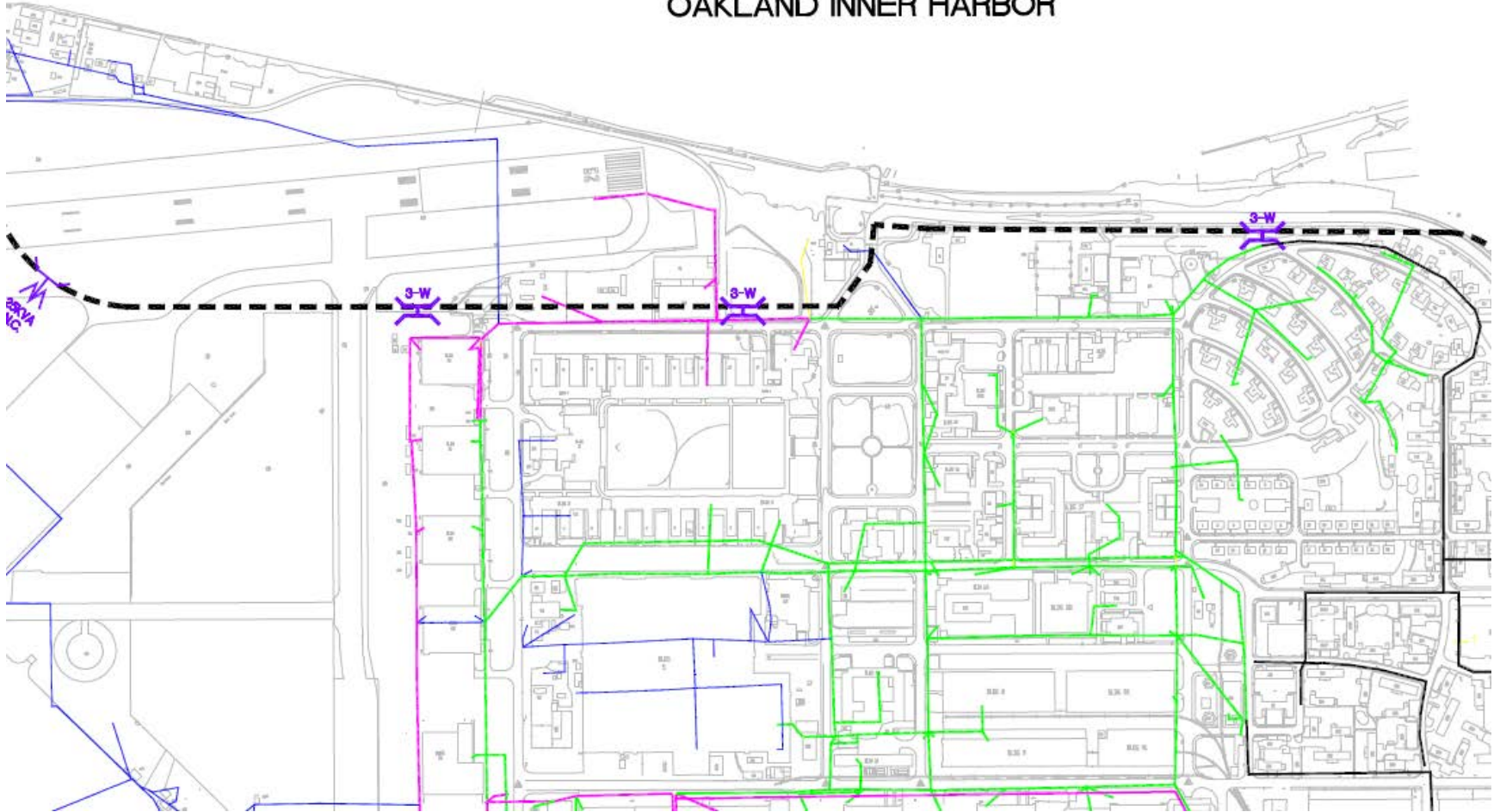


IMPROVEMENTS TO SERVE V.A.



IMPROVEMENTS FOR FUTURE DEVELOPMENT

OAKLAND INNER HARBOR



Advanced Distribution Planning

- Trunk system:
 - Looped system with SCADA switching capacity
- Distribution system:
 - Looped system with relay protection integrated into SCADA
- Integrating distribution management system with intelligent field sensors
 - Improves reliability & provides situational awareness
- Eliminate 4kV & overhead systems
 - Pier 1 & unit subs #7 & #8 (4kV)
 - Overhead facilities to existing housing area

Advance Distribution Planning (cont.)

- Fiber optic rings:
 - GB ring connected to AMP major facilities
 - 100MB inner ring at Point to provide interoperability
- Advanced metering:
 - Remote access, data options
- Street lighting
 - LED

IDEAS FOR FUTURE

- Residential
 - ZNE building codes (State initiative)
 - Reuse area
 - Rooftop solar
- Commercial
 - Fiber optics
 - Commercial fiber optic opportunities
 - More secure, reliable and enables speed
- Generation
 - Wind, solar
 - Storage

Next Steps

- 30 Year project track
- Partner in City approach

Questions?



Contact Information

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