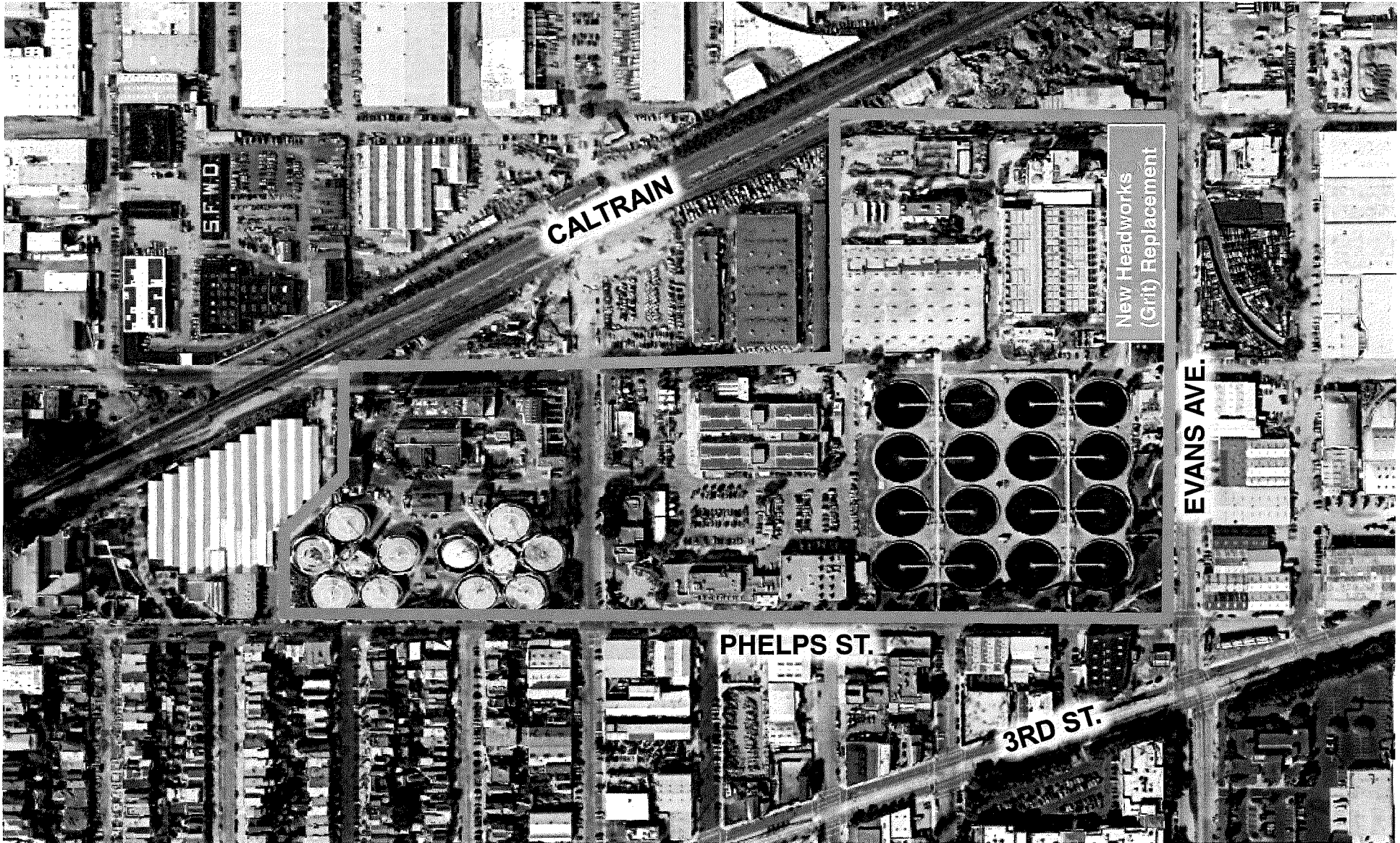


Southeast Treatment Plant

File # 161185
Received in Committee
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for



SEP New Headworks (Grit) Replacement



SEWERAGE TREATMENT PLANT IMPROVEMENT PROGRAM | Grey. Green. Clean.

SEP New Headworks (Grit) Replacement

Purpose & Objectives

Upgrades needed to address:

- Ineffective Grit Removal and Screening
- Odor Control
- Aging Infrastructure and Equipment
- Seismic Vulnerability

Objective

- Build a new facility to handle the influent wastewater flow for a capacity of 250 MGD
- Maximize the control of odors within the facility
- Build critical processes with redundant infrastructure
- Protect downstream processes and equipment
- Design the new facility to withstand an earthquake of magnitude:
 - 7.8 on the San Andreas Fault; and,
 - 7.1 on the Hayward Fault

SEP New Headworks (Grit) Replacement

Proposed Site Layout



- New Influent Junction Structure
- New Fine Screens and Screening Handlings
- New Grit Removal and Grit Handling systems
- Odor Control Structure
- Primary Influent Distribution Area

SEP New Headworks (Grit) Replacement

Cross section of new layout including odor control

