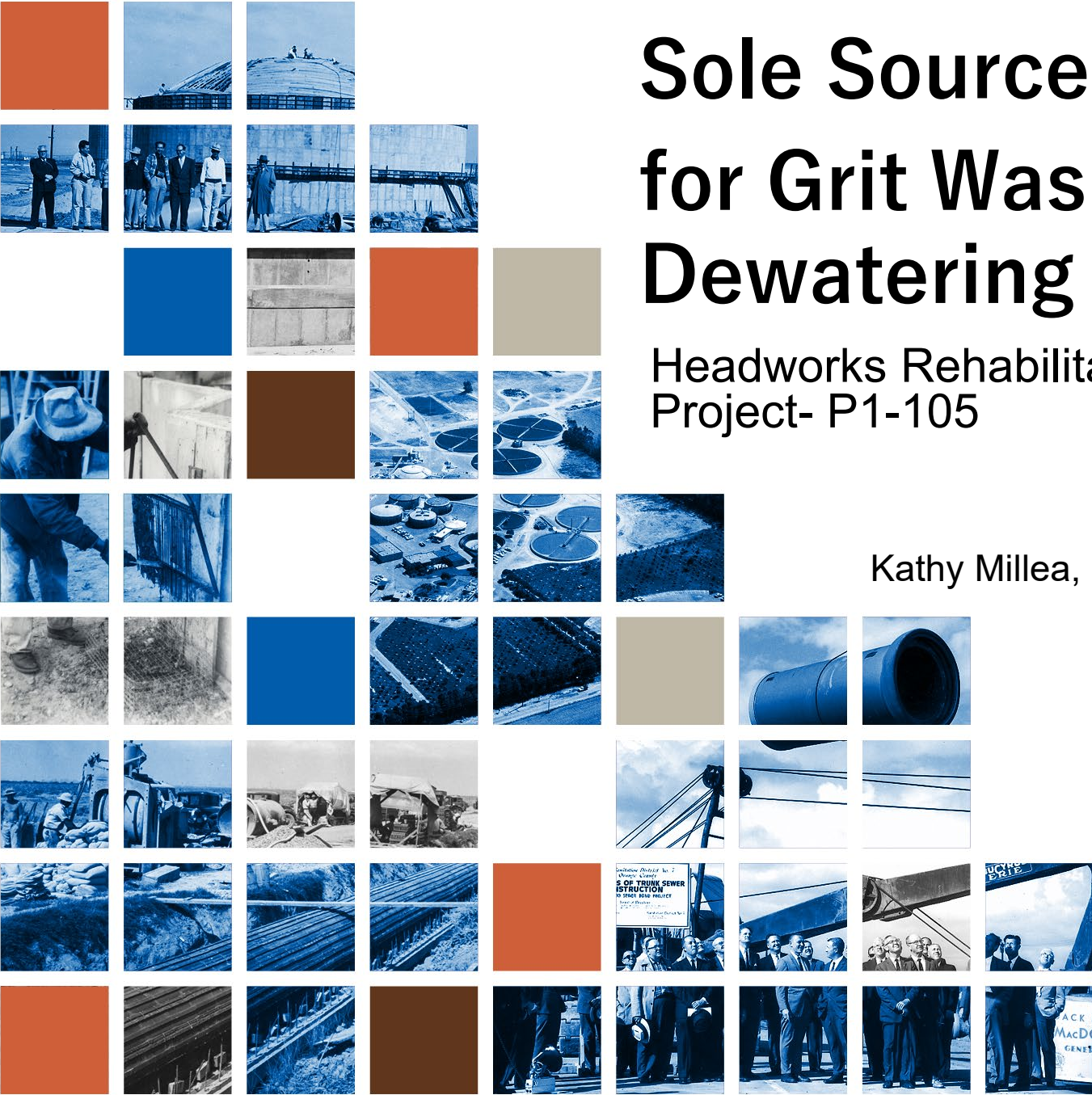


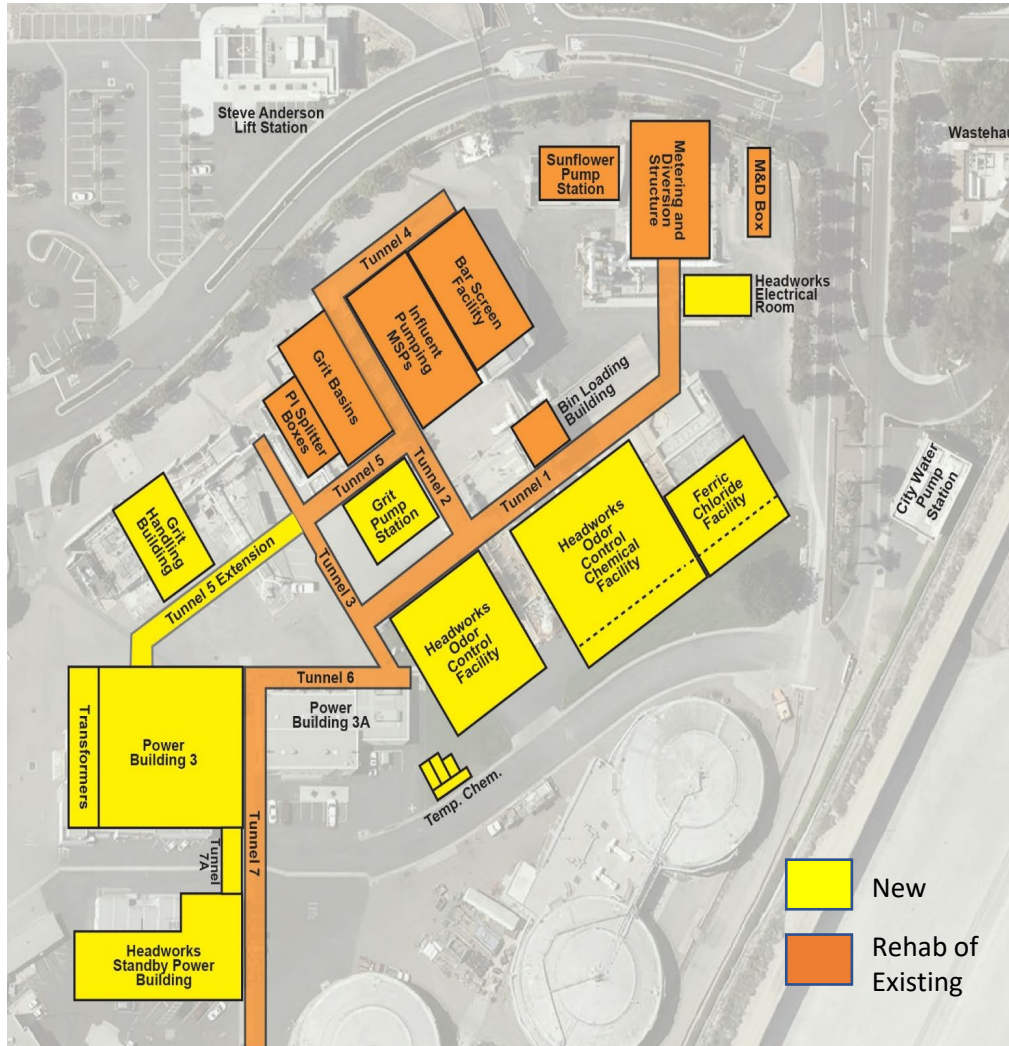
# Sole Source for Grit Washing & Dewatering System

Headworks Rehabilitation  
Project- P1-105

Kathy Millea, Director of Engineering  
Operations Committee  
July 1, 2020



# Headworks Rehabilitation at Plant No. 1



Construction Cost: \$293 million

Advertise for Bids: Sept 2020

Construction Duration: 6.5 years

# Headworks Rehabilitation at Plant No. 1

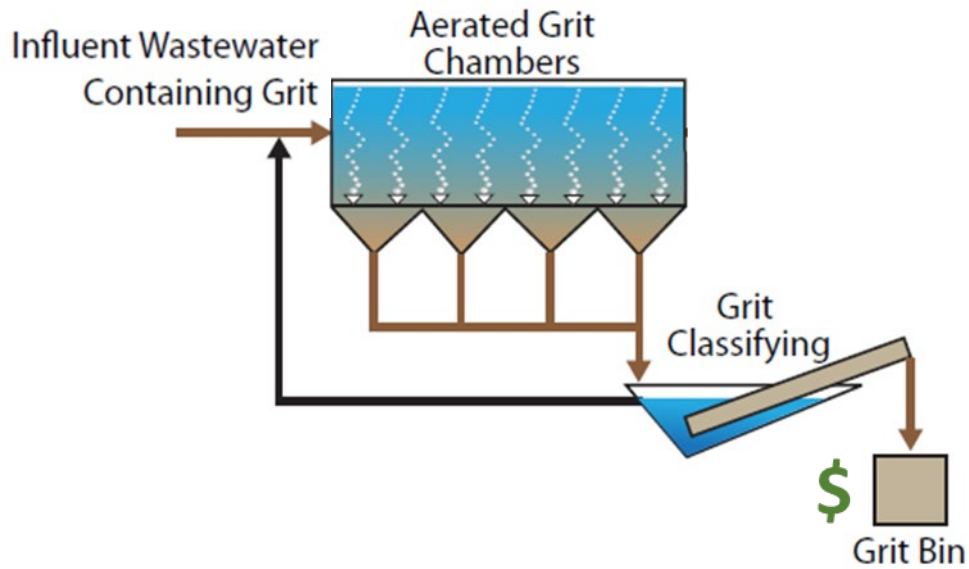
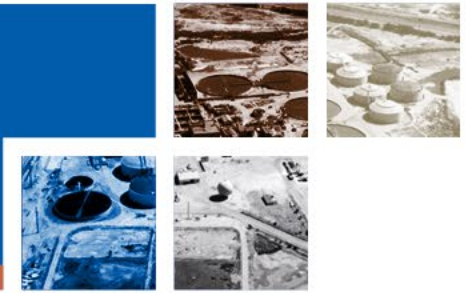


Construction Cost: \$293 million

Advertise for Bids: Sept 2020

Construction Duration: 6.5 years

# Grit Removal Facilities



# Existing Grit Handling Facilities in Poor Condition



- Obsolete mechanical equipment
- Grit has high organic and water content
- Poor grit capture



# Grit Washing Evaluation



Extensive studies performed:

- Existing grit system performance
- Grit characterization
- Grit washing technologies
- Odor control requirements
- Life cycle cost analysis

Recommendation:

- Sole Source Huber COANDA grit classifier



# Sole Source Justification



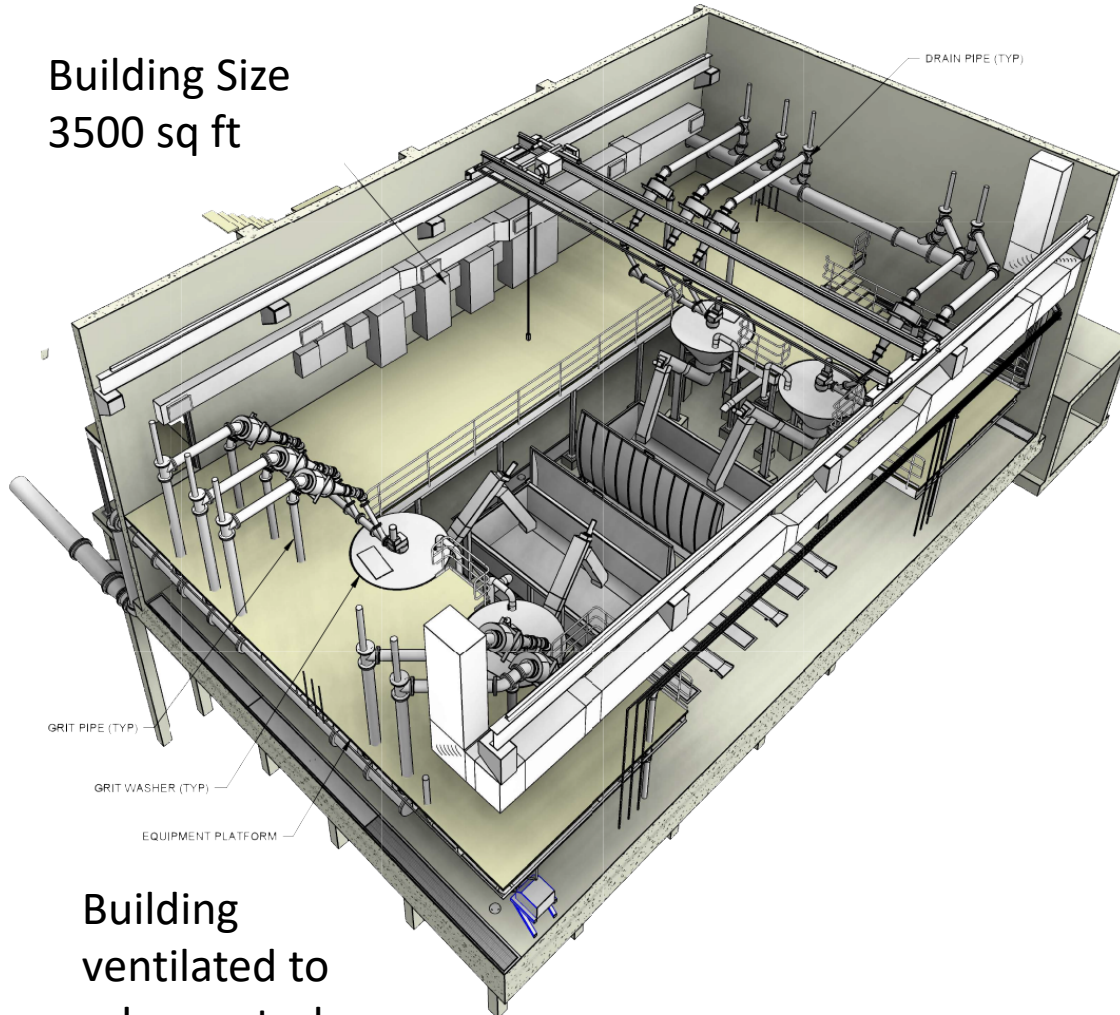
- Cleaner grit = lower foul air flow
- Cleaner grit = lower disposal costs
- Cleaner grit = more reusable solids capture
- \$3 million lower life cycle cost than conventional grit classifier facility
- No other high-performance grit handling system found
- \$2.3 million pricing commitment from supplier. Verified as reasonable for similar installations



# Proposed Grit Handling Building Built Around Specific Equipment

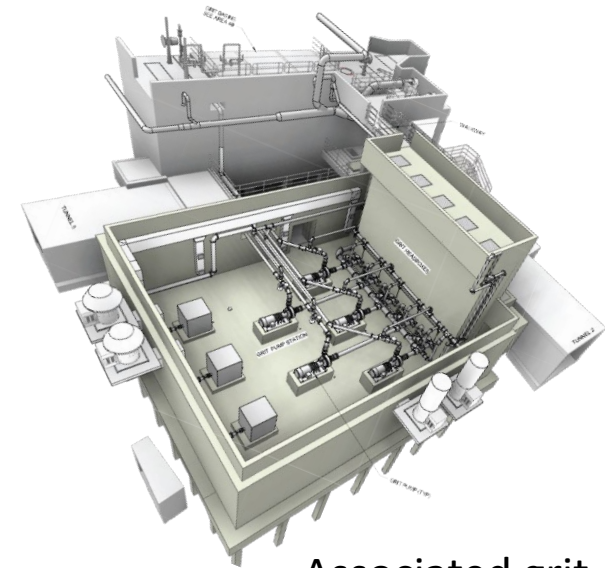


Building Size  
3500 sq ft



Ground floor  
and mezzanine

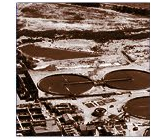
Building  
ventilated to  
odor control



Associated grit  
pump station



# Recommended Action



Adopt Resolution No. OCSD 20-XX entitled, “A Resolution of the Board of Directors of the Orange County Sanitation District, making findings pursuant to Public Contracts Code Section 3400 in support of the sole source specification of Huber Technology for grit washing and dewatering systems for Headworks Rehabilitation at Plant No. 1, Project No. P1-105”.

