

Summit Reservoir Replacement

Pre-Construction Neighborhood Meeting

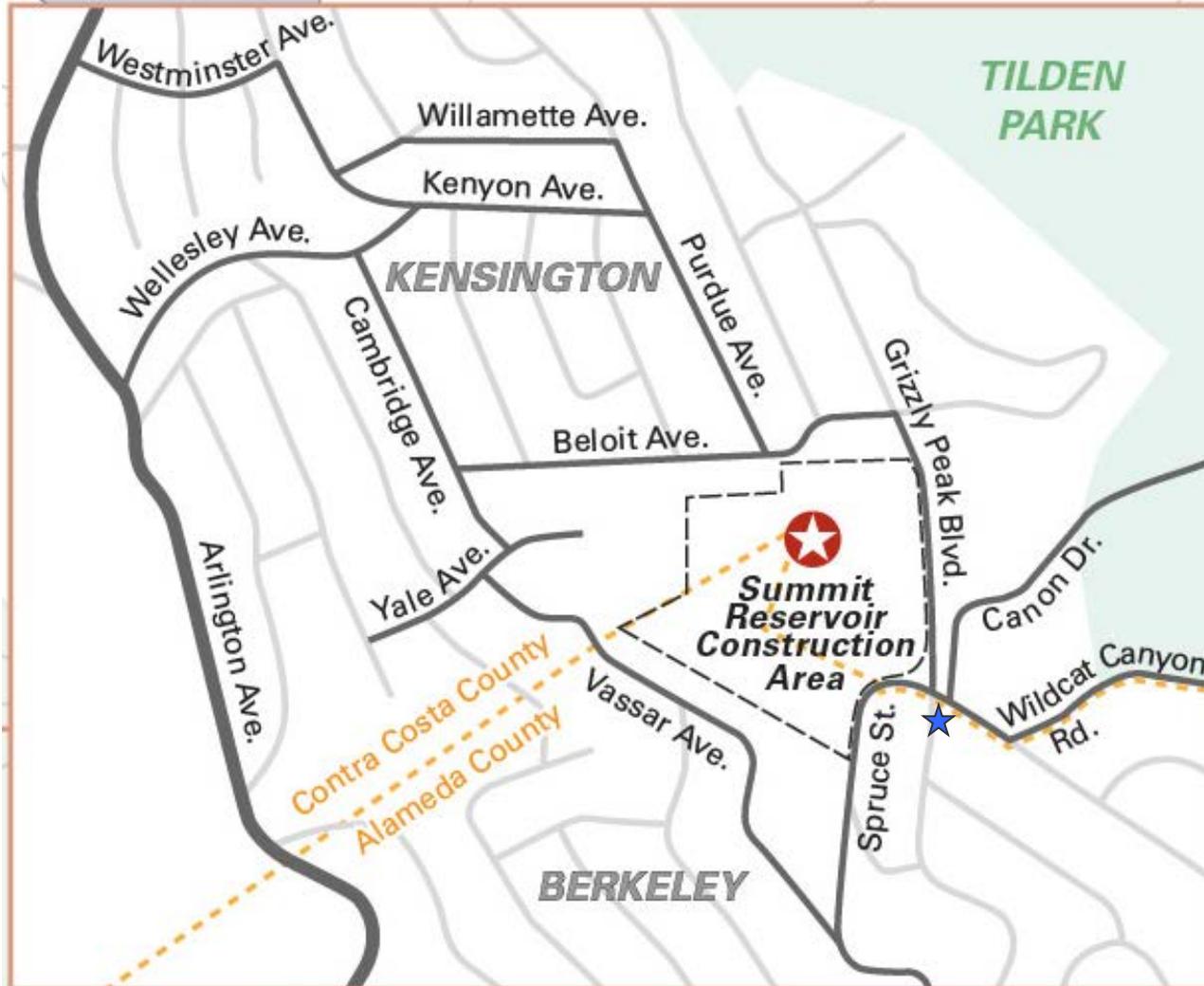
October 15, 2014

Agenda



- Introductions
- Project overview
- Construction schedule
- Construction impacts
- Communications
- Q & A

Site Vicinity Map



Project Overview



- \$24 million, 10-yr project
- Planning complete (Nov 2011)
- Design complete (Jun 2014)
- Award contract (Aug 2014)
- Start construction (~ Nov 2014)
- End construction (~ Feb 2017)

Why are we doing this project?



- Regulatory
- Water quality
- Aging infrastructure
- Operational efficiency

Aging Infrastructure



- Shasta/Woods PP (1937)
- High priority PP rehab list
- Aging equipment
- Piping corrosion



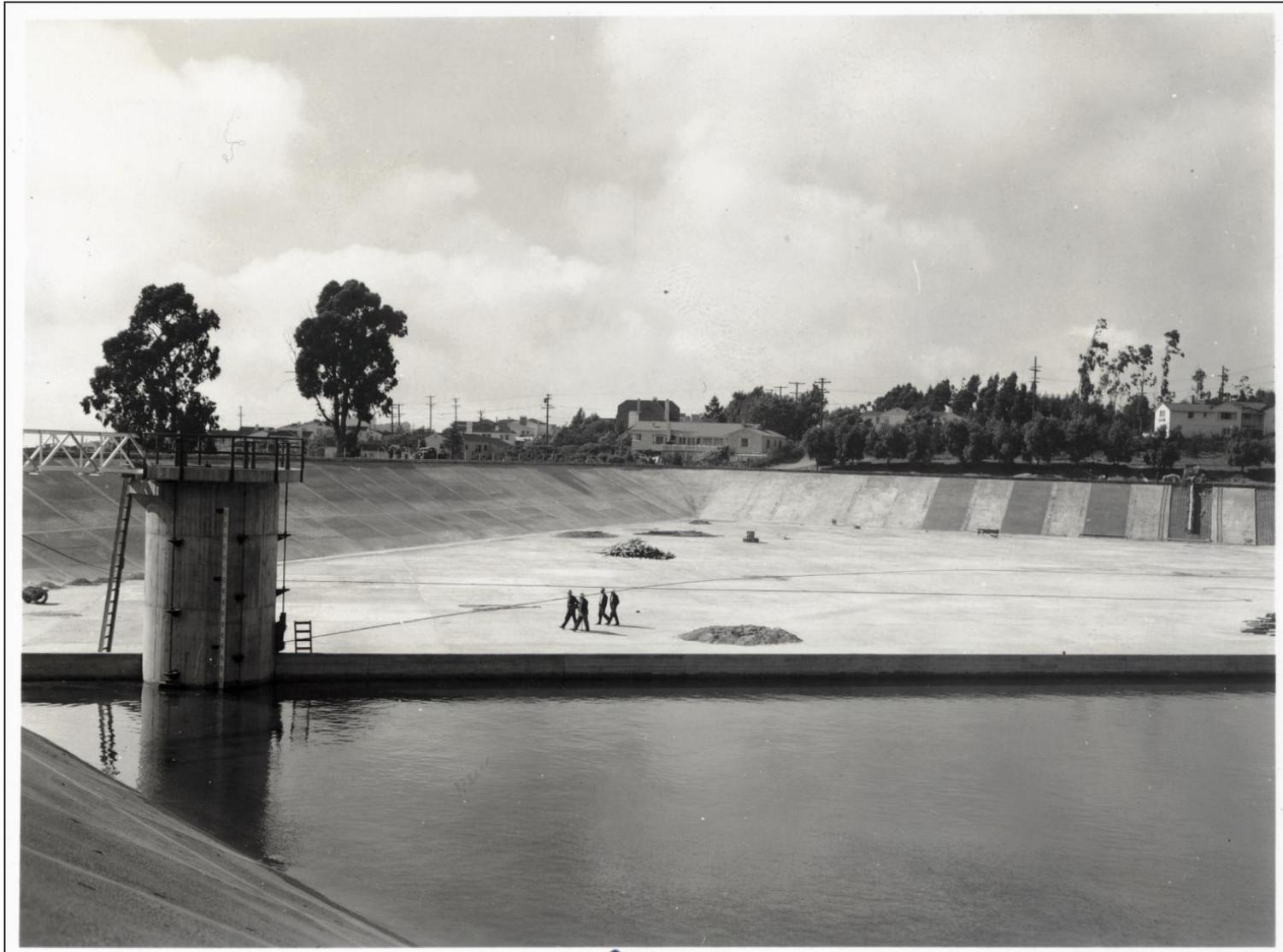
Aerial photo from 1930's



Reservoir in 1940's



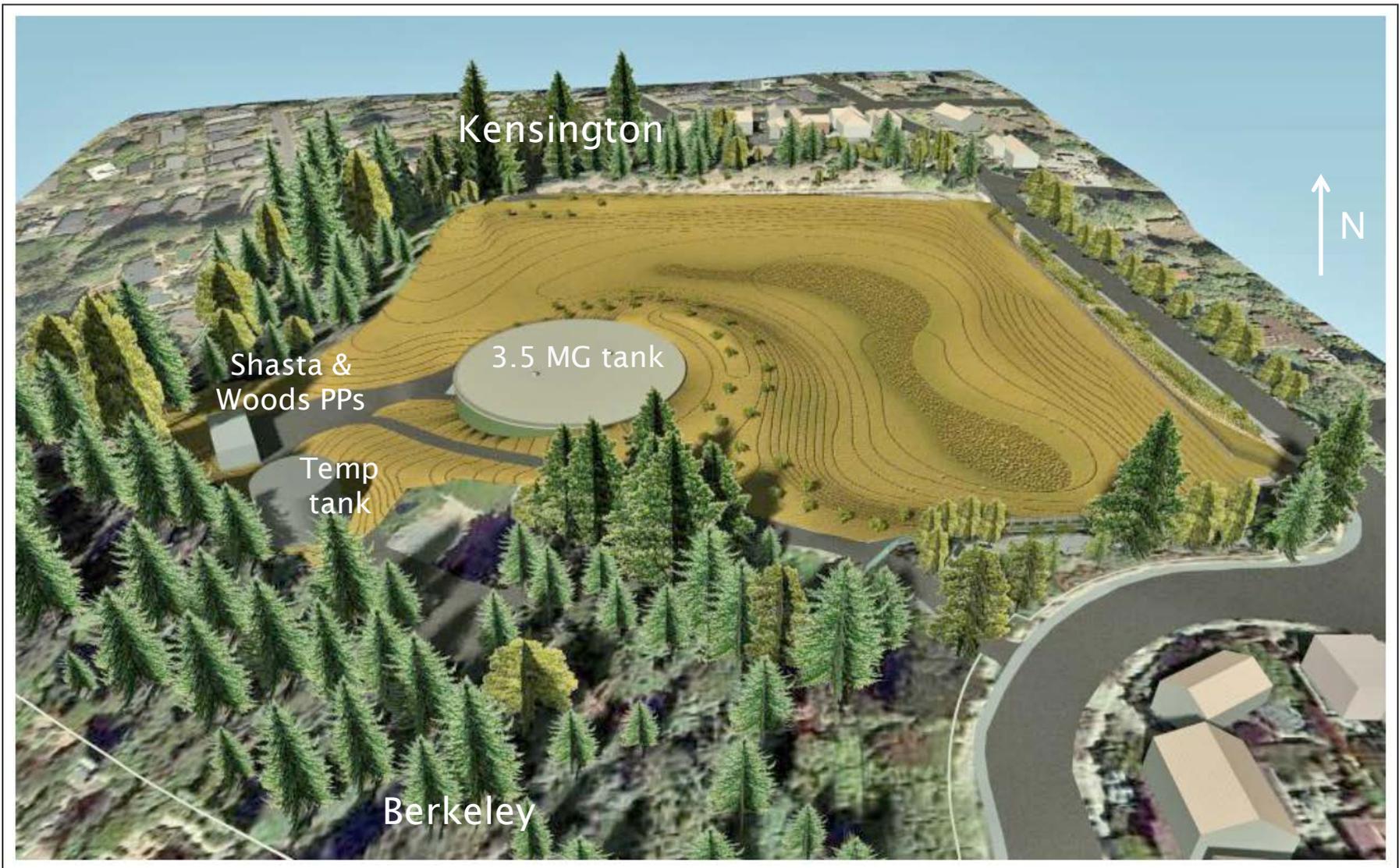
Reservoir in 1940's



Summit Reservoir (2014)



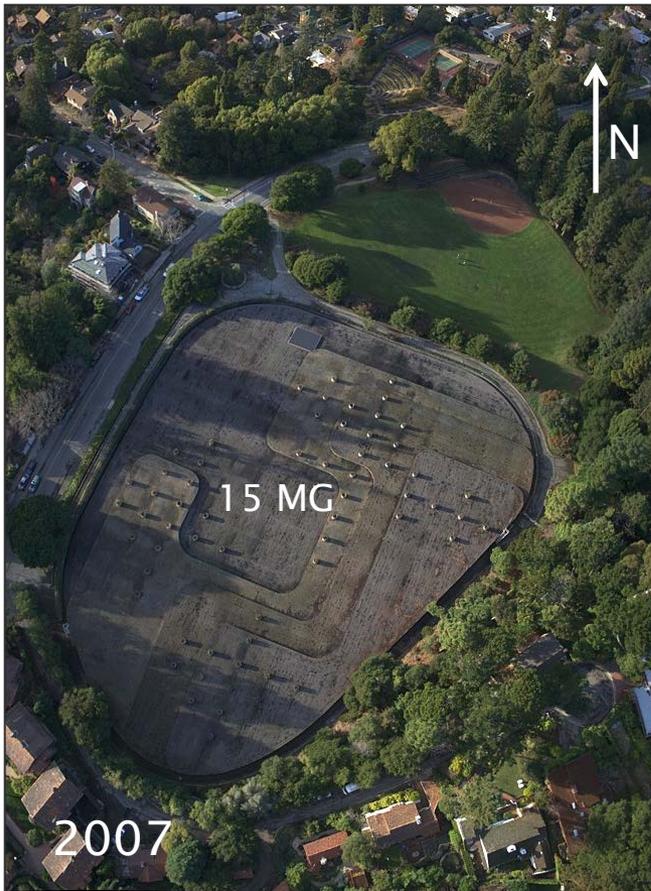
Proposed Project in EIR (Nov 2011)



Grizzly Peak Blvd Path



Similar Reservoir Project



Berryman Reservoir

15 MG open-cut → 2.6 MG tank

Construction



Construction Schedule



- District issued NTP in Sept 2014
 - Temp tank ~ Nov 2014 to April 2015
 - Reservoir demo/grading ~ Apr 2015 to Aug 2015
 - New tank and pipelines ~ Sept 2015 to Sept 2016
 - New pumping plant ~ Sept 2015 to Dec 2016
 - Landscaping ~ Jun 2016 to Jan 2016
 - Construction completion ~ Feb 2017

Standard Work Hours



- Monday through Friday
 - 7:00 am to 6:00 pm for on-site work
 - 9:00 am start for work on Spruce & Vassar
 - 9:00 am to 4:00 pm for hauling
 - During large concrete pours there will be temporary, extended work hours
 - 8:00 am to 4:00 pm for noisy work activities (> 90 dBA at property line)

Noise/Vibration Impacts



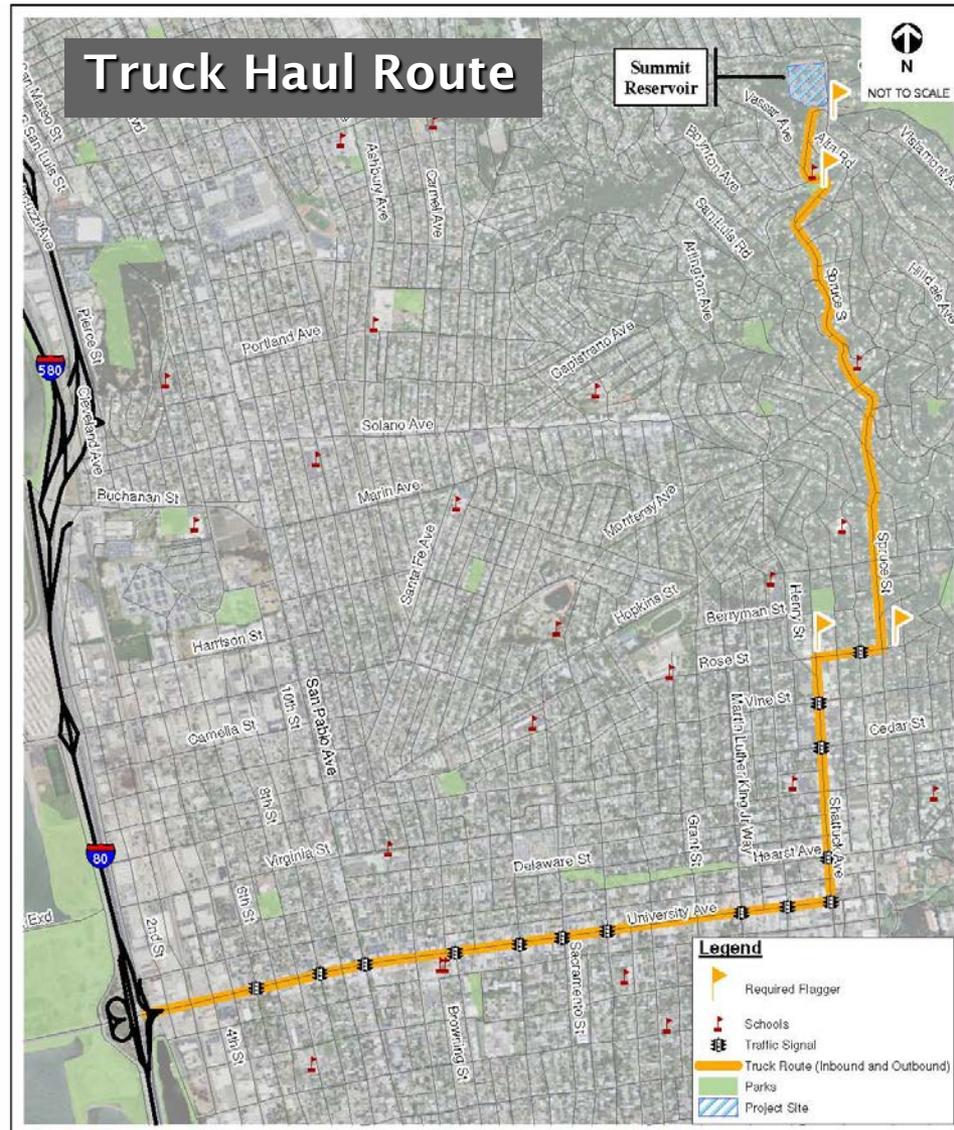
Mitigation for short-term demolition & construction noise impacts:

- District to provide full time noise and vibration monitoring
- Limit noise-generating activities >90db between 8:00 a.m. – 4:00 p.m.
- Contractor must submit noise control plan
- Reduced vehicle speeds
- On-site power, limited use of generators



Construction Traffic

Truck Haul Route



- Coordinate Traffic Control Plan with City of Berkeley
- Limit haul trucks to 9:00 am to 4:00 pm
- Increased congestion on Spruce, Rose, Shattuck and University
- Flaggers at key intersections and schools during peak hours of truck traffic
- Provide signage for pedestrians and bicycles

Communications



- Periodic mailings announce the major phases of the construction
- Opt in for email notifications
- Web site updates at www.ebmud.com
 - Select Construction Projects and Summit Reservoir under Berkeley or Kensington
- Contact Michelle Blackwell at mblackwe@ebmud.com or 510-287-2053 for interim questions or concerns
- For after hour contacts call EBMUD at 1 (866)-403-2683

EBMUD web site (www.ebmud.com)



contact us
FOR EMERGENCIES CALL 1-866-403-2683

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Questions ?

Additional Information

Construction Impacts



Major activity	Approximate Duration	Expected Impacts
Demolition and clearing	Up to 6 months	Roof off haul = traffic impacts Concrete crusher = increased noise: some restricted work hours due to noise Dust and vibration
Earthwork and site grading	3 to 4 months	Dust, vibration and noise Back up beepers Low traffic volumes
Construction of tank and pumping plant	9 to 12 months	Several large concrete pours for foundations and roofs = extended work hours and increased truck traffic
Earthwork around tank	2 months	Increased soil compaction and vibration
Landscaping, demolition and site cleanup	6 months	Back up beepers, noise Remaining demolition

Construction Impacts



Expected Impacts	Mitigations
Traffic and parking	Designated truck haul route Flaggers at key locations Parking on site and on Grizzly Peak Blvd. for contractor staff
Noise and vibration	Reduced work hours for activities over 90db Noise and vibration monitoring Generally no weekend or night work Noise control measures
Dust and air quality	Street sweeping Dust control measures
Visual	Existing landscaping