



Engineering, Operations, & Technology Committee

Wadsworth Pumping Plant Bypass Pipeline

Item 7-1

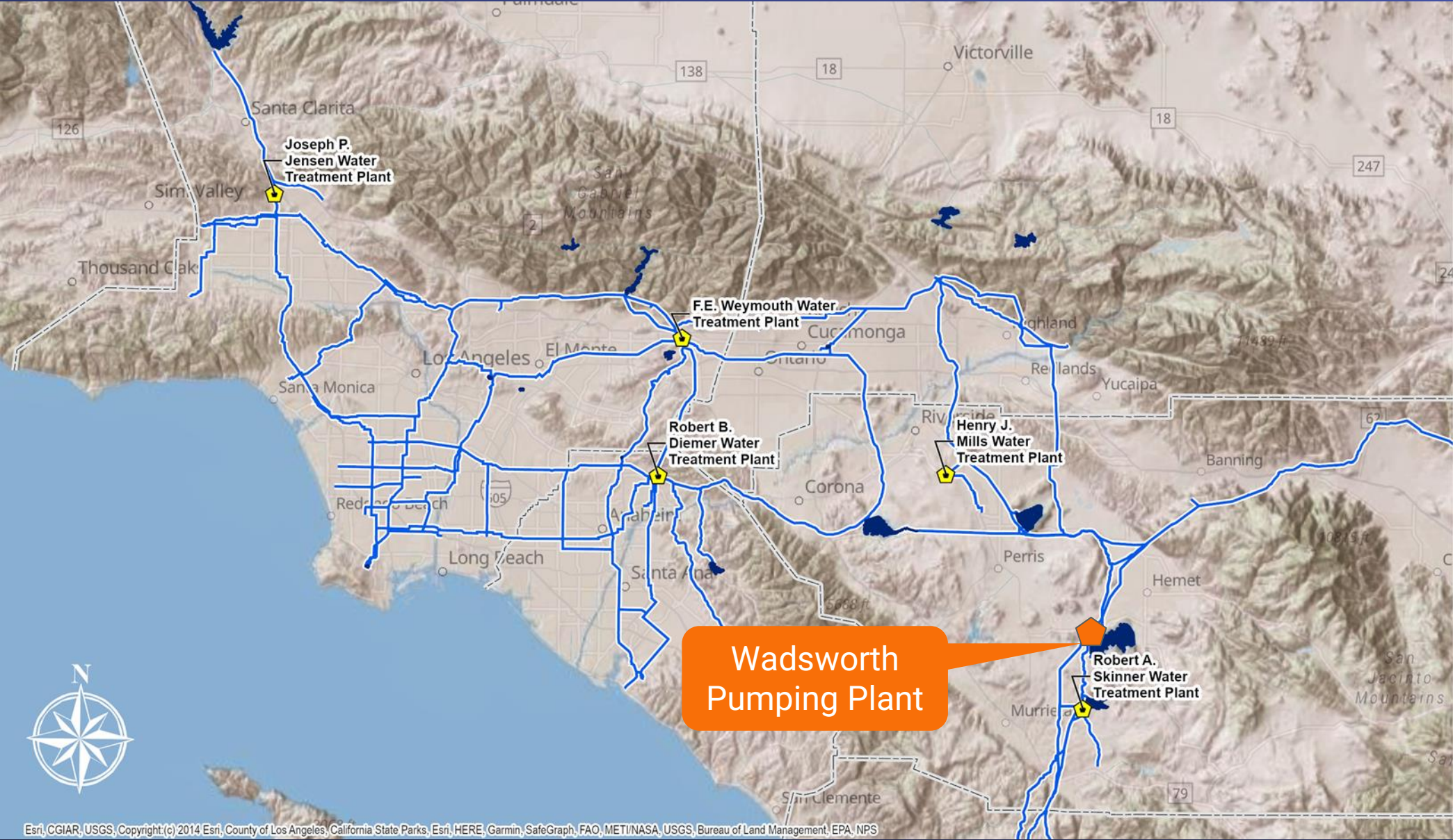
January 9, 2023

Wadsworth Bypass Pipeline

Current Action

- Award a \$14,820,500 contract to Steve P. Rados, Inc. to construct a bypass pipeline at the Wadsworth Pumping Plant as part of the water supply reliability improvements in the Rialto Pipeline service area
- Part of series of projects to improve supply reliability for SWP dependent member agencies

Distribution System



Wadsworth Bypass Pipeline

Background

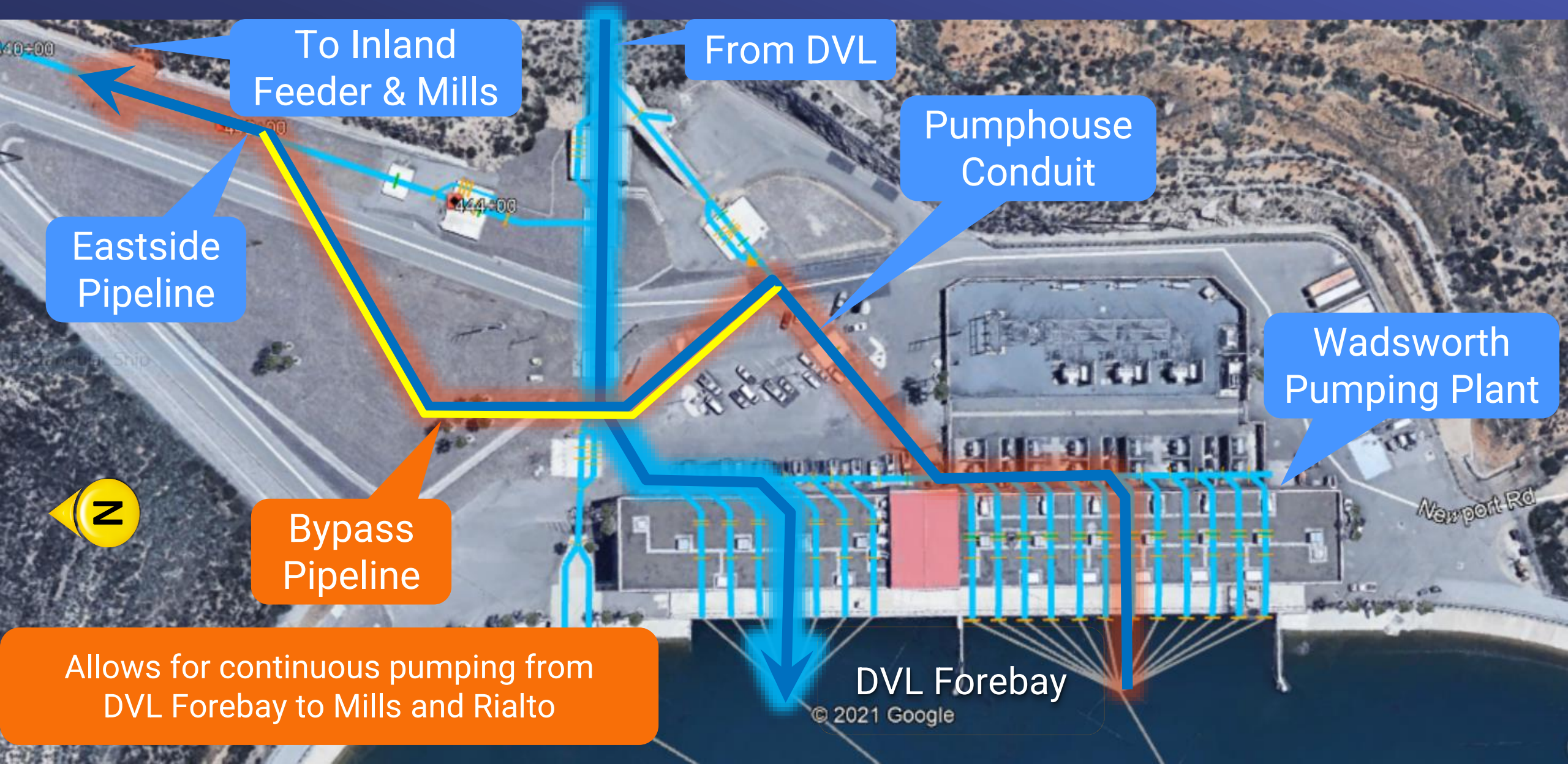
- Rialto Pipeline conveys SWP supplies to Inland Empire Utilities Agency, Three Valleys MWD & Upper San Gabriel Valley MWD
- DVL is Metropolitan's largest reservoir
 - DVL helps meet member agency demands under normal, drought, & emergency conditions
- Rialto Pipeline unable to access water stored in DVL or from CRA due to infrastructure & operational constraints

Background – On-going Water Supply Reliability Improvements

- Four projects initiated to improve supply reliability of State Water Project dependent areas
- Wadsworth bypass is first project to go into construction
- Final design ongoing for remaining three projects



Wadsworth Pumping Plant With Bypass Pipeline



Wadsworth Bypass Pipeline

Alternatives Considered

- Buried pipeline
 - Underlying soil is extremely hard rock
 - Blasting of rock could damage nearby facilities
 - Interfering utilities in the area
- Partially buried pipeline encased in concrete (selected option)
 - Minimizes excavation in extremely hard rock
 - Avoids relocating other major pipelines

Contractor Scope of Work

- Install approx. 600 feet 96-inch pipe
- Encase pipeline in concrete
- Construct valve structure
- Protect or relocate utilities
- Perform traffic control & restore access roads and parking area, as required



Project Site: Looking East From Location of New Valve Structure Towards Pumphouse Conduit

Metropolitan Scope of Work

- Force Construction
 - Remove & replace valves & blind flanges for pipe access
 - Coordinate shutdown & dewatering of pipeline
- Field inspection & construction management
- Submittal review & technical support
- Administer Project Labor Agreement
- Respond to requests for information
- Environmental monitoring, project management, & contract administration



Project Site: Looking East Towards
DVL Entrance Gate

Bid Results

Specifications No. 2020 **

| | |
|---------------------------|----------------------|
| Bids Received | December 13, 2022 |
| No. of Bidders | 3 |
| Lowest Responsible Bidder | Steve P. Rados, Inc. |
| Low Bid | \$14,820,500 |
| Range of Other Bids | \$16.2 M to \$18.3 M |
| Engineer's estimate | \$18.2 M |
| SBE Participation* | 39% |

*SBE (Small Business Enterprise) participation level set at 20

**This contract will be conducted under the terms of Metropolitan's project labor agreement

Allocation of Funds

Wadsworth Pumping Plant Bypass Pipeline

Metropolitan Labor

Owners Costs (Proj. Mgmt., Contract Admin., Envir. Support) \$ 482,000

Construction Inspection & Support 1,928,000

Force Construction 336,000

Submittals Review, Tech. Support, Record Dwgs. 429,000

Materials & Incidentals 94,000

Contracts

Steve P. Rados, Inc. 14,820,500

Remaining Budget 1,510,500

Total \$ 19,600,000

Project Schedule



Board Options

- Option #1
Award a \$14,820,500 contract to Steve P. Rados, Inc. to construct a bypass pipeline at the Wadsworth Pumping Plant as part of water supply reliability improvements in the Rialto Pipeline service area.
- Option #2
Do not proceed with the project at this time.

Staff Recommendation

- Option #1

