ADOPTION OF A MITIGATED NEGATIVE DECLARATION AND MITIGATION MONITORING AND REPORTING PROGRAM AND PROJECT APPROVAL FOR THE FULTON RD SEWER MAIN IMPROVEMENTS, WEST 3RD ST TO SANTA ROSA CREEK

Board of Public Utilities Meeting

August 3, 2023

Andrew Wilt, Civil Engineer
Transportation and Public Works

Justin Witt, Environmental Planner
Brelje & Race

Santa Rosa WATER

OUR FUTURE IN EVERY DROP

Presentation Outline

- Background
- Pre-design analysis
- Proposed Project
- Easements
- California Environmental Quality Act (CEQA)
- Recommendation

Background

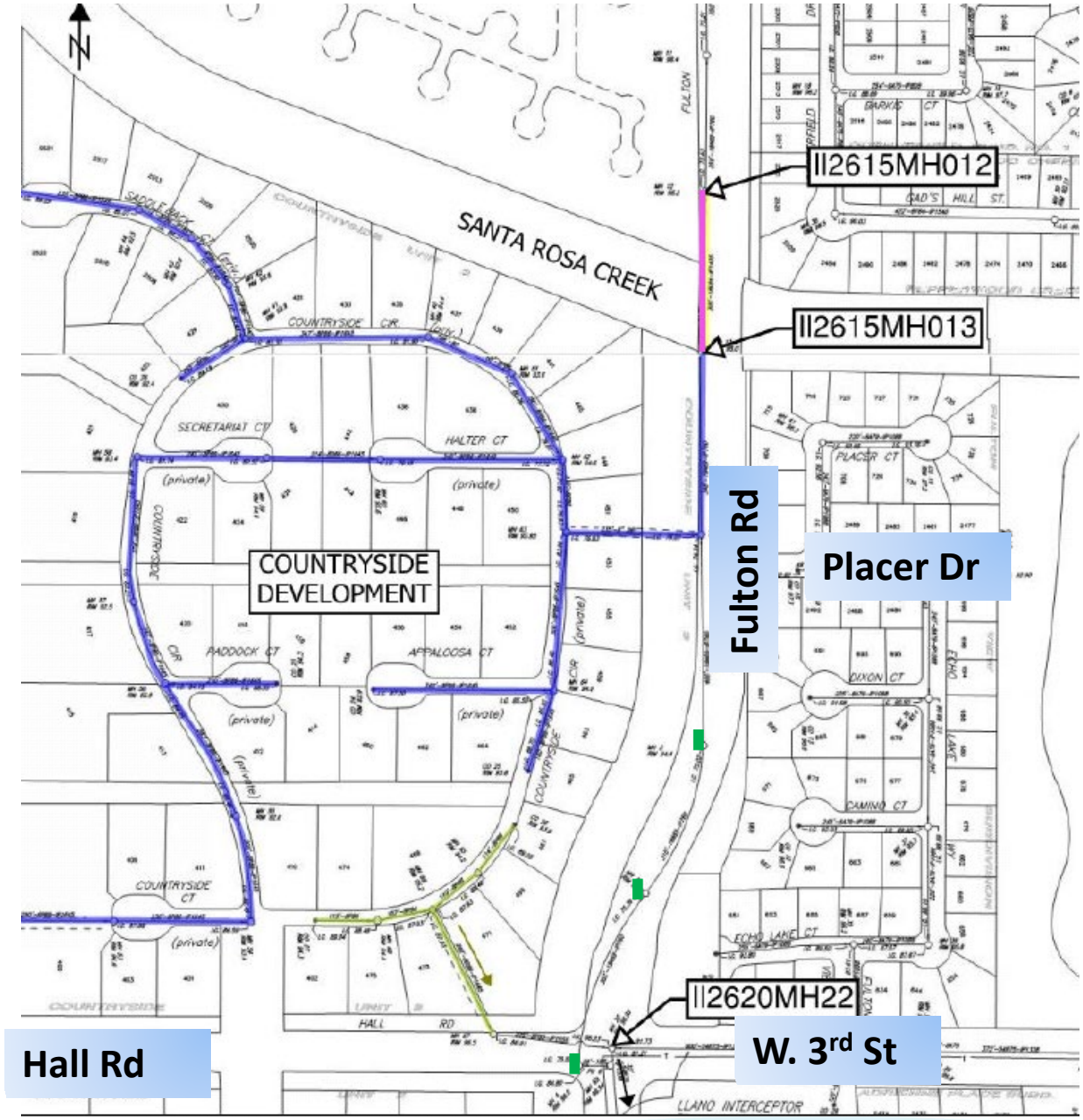
Existing sewer:

- Installed in 1969
- Fulton Rd bridge widened in 1984
- Polyethylene (PE) Lined in 1985
- Failing liner constricting flow
- Requires monthly maintenance/flushing

Location

Subject area

Ex SS service area



Failing Liner

2014 CCTV Inspection: Existing liner pipe with elliptical shape

Pre-design Analysis

Woodard & Curran/RMC Technical Memo

11 Alternative Analyzed:

1. CIPP Spot Repair
2. Mechanical Point Repair
3. Remove and Replace Liner
4. Reroute Flow
5. Pipe Burst Existing Pipe
6. Pipe Jacking with Ductile Iron Pipe

Pre-design Analysis

Woodard & Curran/RMC Technical Memo

11 Alternatives Analyzed (cont.):

7. Sliplining
8. Open Cut Replacement
9. Inverted Siphon - Open Cut w/Guided Auger Boring
10. Inverted Siphon – Horizontal Direction Drilling
11. Pump Station and Force Main

Pre-design Analysis

Woodard & Curran/RMC Technical Memo

Ranking criteria:

1. Constructability
2. Operations and maintenance
3. Relative cost

Recommendation:

Alternative 8 - Open Cut Replacement

Pre-design Analysis

Brelje and Race Life Cycle Cost Analysis

Alternative 8 - Open Cut Replacement

vs.

Alternative 11 - Pump Station

Considerations:

1. Construction cost
2. Equipment replacement cost
3. Ongoing maintenance cost
4. Permitting schedule

Pre-design Analysis

Brelje and Race Life Cycle Cost Analysis

Alternative 8 - Open Cut Replacement

vs.

Alternative 11 - Pump Station

Findings:

1. Approximately Equal life cycle cost
2. Staff selected Alternative 8

Proposed Project

Proposed Project

Easements

Three (3) New Sanitary Sewer easements required:

- Countryside North Owners Association
- Sonoma Water
- Sequoia Park Associates

Easements

Santa Rosa Creek bridge (Sonoma Water)

California Environmental Quality Act (CEQA)

- Public disclosure of project and potential impacts
- Mitigation

CEQA
Process

- Preparation of Initial Study/Mitigated Negative Declaration (IS/MND)
- AB 52 Tribal Consultation
- 30-day public review period June 30 to July 31, 2022
- Response to Comments/IS/MND revisions
- Adoption of MND
- File Notice of Determination

CEQA
Initial Study / MND

- Santa Rosa Creek Considerations
  - CDFW, Regional Board, US Army Corps of Engineers, NOAA Fisheries jurisdiction
  - Mitigation strategy for stream/riparian impacts
    - In-stream construction methodologies
    - Fish management plan
    - Riparian restoration plan

CEQA
Initial Study / MND

- Santa Rosa Creek impacts
    - Nesting birds, roosting bats, tree impacts, rare plant surveys, jurisdictional waters

CEQA
Initial Study / MND

- All potentially significant impacts are construction-related and can be mitigated
  - Construction-related dust, erosion control
  - Construction-related noise
  - Construction-related spills
  - Construction-related access
  - Accidental discovery of archaeological resources

CEQA
Tribal Consultation

- AB52 requires Tribal Consultation
- Consultation requests mailed to Federated Indians of Graton Rancheria and Lytton Rancheria
- Extensive Consultation with Graton Rancheria—December 2020 to April 2022
  - Inclusion of Tribal Monitoring
  - Development of Archaeological and Tribal Cultural Resources Treatment Plan

CEQA
Noticing and Public Review

- Public Comment Period - 30 days
- Noticing in The Press Democrat and at County Clerk
- Distribution to State Clearinghouse and Agencies
- Notice mailed to adjacent property owners
- Public review copies (online, at City TPW)

CEQA
Comments and Findings

- Comment from CDFW requiring revision to Biological Resources mitigations
- Response to Comments and Final MND
- With incorporation of included mitigation measures, the project will not cause significant environmental effects

Recommendation

It is recommended by the Transportation and Public Works Department and Santa Rosa Water that the Board of Public Utilities, by resolution

1. Adopt the MND for the Fulton Rd Sewer Main Improvements, West 3rd St to Santa Rosa Creek Project

2. Adopt the MMRP

3. Approve the Fulton Rd Sewer Main Improvements, West 3rd St to Santa Rosa Creek Project

4. Direct staff to file Notice of Determination (NOD)

Questions?