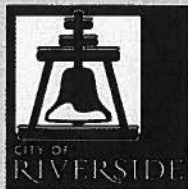


ATTACHMENT 2



*City of Riverside
Public Works Department*

Final Mitigated Negative Declaration

AGENDA ITEM NO.:

WARD: 5

1. **Case Number:** EPW 18-001
2. **Project Title:** Monroe Master Drainage Plan Line E Stages 2 and 3, Line E-2, and Line E-5 Storm Drain Improvements
3. **Hearing Date:** January 15, 2019
4. **Lead Agency:** City of Riverside
Public Works Department
3900 Main Street, 4th Floor
Riverside, CA 92522
5. **Contact Person:** Sweta Patel, P.E. Senior Engineer
Phone Number: (951) 826-5714
6. **Project Location:** Within 11,200 feet of existing road right-of-way for Gratton Street, Dufferin Avenue, and Hermosa Drive, in the Arlington Heights neighborhood of the City of Riverside, Riverside County, Section 16, Township 3S, Range 5W (**Figure 1–Regional Location, Figure 2–Project Location**).
7. **Project Applicant/
Project Sponsor's
Name and Address:** City of Riverside
Public Works Department
3900 Main Street, 4th Floor
Riverside, CA 92501
8. **General Plan Designation:** Arlington Heights Greenbelt
9. **Zoning:** RA-5 (Residential-Agricultural)
10. **Description of Project:** (Describe the whole action involved, including but not limited to later phases of the project, and any secondary, support, or off-site features necessary for its implementation. Attach additional sheets if necessary.)

The proposed project includes the construction of approximately 11,200 linear feet of underground storm drain pipe within the Gratton Street, Dufferin Avenue, and Hermosa Drive rights-of-way; removing and rebuilding the existing curb, gutter, and street lights along the east side of Gratton Street between Lincoln Avenue and Victoria Avenue; and a jack-and-bore operation for trenchless pipe installation underneath Gage Canal at the intersection of Gratton Street and Hermosa Drive. The project is proposed to provide protection from a ten-year storm event by installing a system of underground storm drains, which include main Line E and laterals Line E-2 and Line E-5.

Construction of main Line E includes Stages 2 and 3, which are located within the Gratton Street right-of-way and will extend approximately 7,600 feet (1.4 miles) from Lincoln Avenue at the north to the Gage Canal at the south (**Figure 3a, Figure 3b**). Line E-2 is located within the Hermosa Street right-of-way and will extend approximately 2,200 feet from Gage Canal at the west to St. Lawrence Street at the east (**Figure 3c**). Line E-5 is located within the Dufferin Avenue right-of-way and will extend approximately 1,400 feet from Gratton

Street at the west to Adams Street at the east (**Figure 3d**). To facilitate construction of Line E-5, a 10-foot-wide temporary construction easement has been granted to the City within a private citrus orchard adjacent to the right-of-way on the north side of Dufferin Avenue.

Construction of the proposed project is expected to begin late 2019 or early 2020, and is expected to last approximately 15 months. Project construction would progress at an estimated average rate of 40 feet per day, with a maximum of 300 feet of work area disturbed at any given time. The depth of the trench for pipeline installation would range from a minimum of 9 feet at the eastern end of the alignment to a maximum of 20 feet at the western end of the alignment. The width of the trench to be excavated would be determined by the width of the pipeline segment to be installed. Pipeline segments would range in diameter from 18 inches (1.5 feet) at the eastern end of the alignment to 84 inches (7 feet) at the western end of the alignment. The trench would accommodate the pipeline width plus an additional two feet, and would therefore not exceed a maximum width of 9 feet. The total volume of soil that would be excavated by trenching and require exporting off-site would be approximately 29,000 cubic yards.

The majority of the construction of the project alignment from Lincoln Avenue to Hermosa Drive in Gratton Street would use conventional open trench methods. However, the portion of Line E crossing underneath Gage Canal would use a trenchless jack-and-bore construction method for placement of the new pipeline. The City of Riverside Public Works Department will obtain a maintenance easement for the Riverside County Flood Control and Water Conservation District to allow jack-and-bore construction underneath the Gage Canal. The tentative location of temporary staging areas for the storage of construction equipment and materials would be near the intersection of Gratton Street and Hermosa Drive, and/or within a nearby nursery to be determined.

10. Surrounding land uses and setting: Briefly describe the project's surroundings:

The project site is located within existing street right-of-way that is surrounded by citrus groves, plant nurseries, non-native grassland, and low-density residential development. The Gage Canal, a concrete irrigation canal, flows through the southeastern portion of the project site and crosses under a bridge at Gratton Street near its intersection with Hermosa Drive. Currently, there are no storm drain systems within the project area other than culvert crossings at the street intersections and an engineered retention basin on the east side of Gratton Street between Victoria Avenue and Lincoln Avenue. As a result, several of the street intersections flood during moderate storm events, especially the Gratton Street and Lincoln Avenue intersection, and the Adams Street and Dufferin Avenue intersection.

Adjacent Existing Land Use:

North: Residential
East: Residential, Agricultural
South: Residential, Agricultural
West: Residential, Agricultural

Adjacent zoning:

North: RA-5 (Residential-Agricultural)
East: RA-5 (Residential-Agricultural)
South: RA-5 (Residential-Agricultural)
West: RA-5 (Residential-Agricultural)

11. Other public agencies whose approval is required (e.g., permits, financial approval, or participation agreement.):

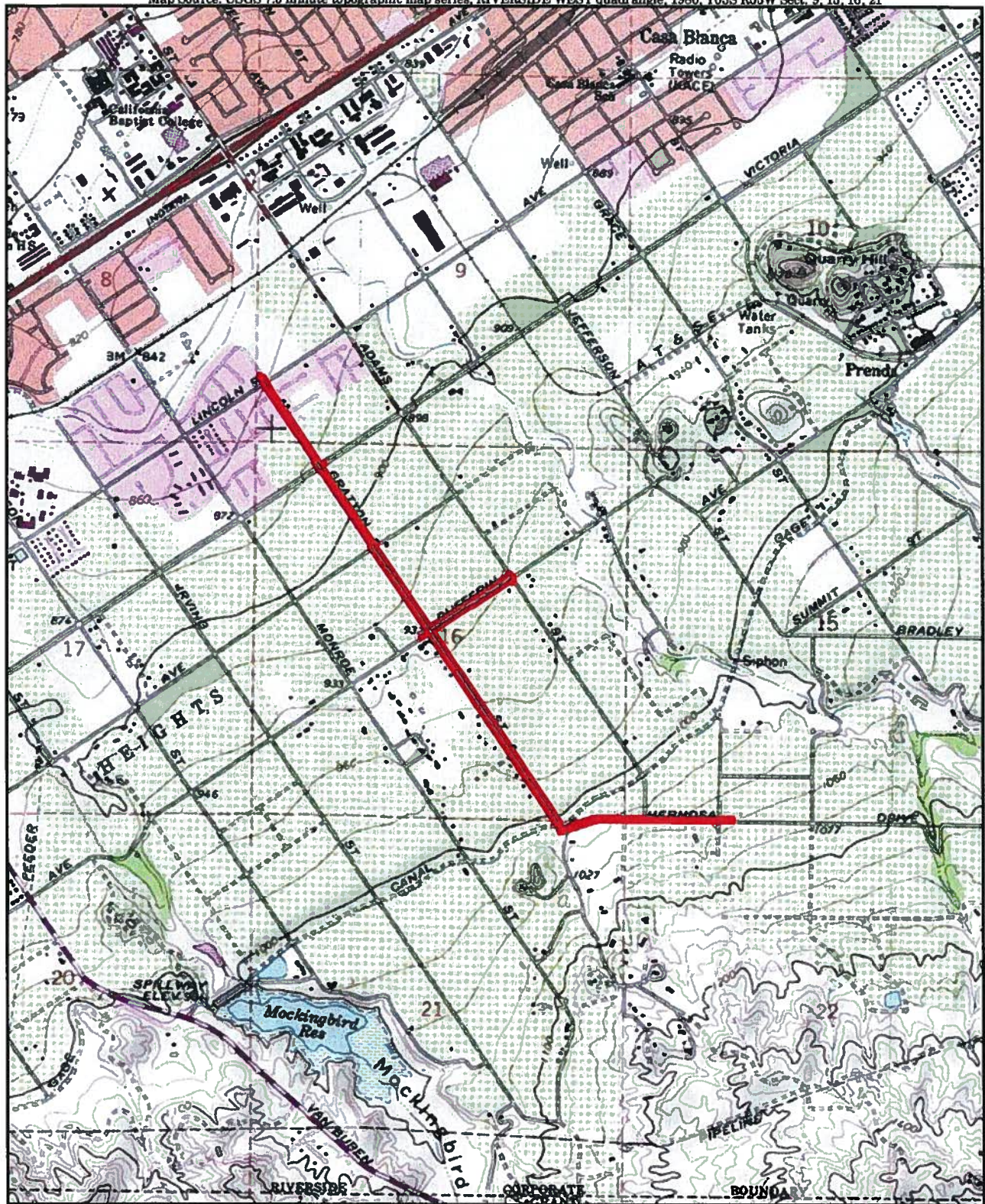
Riverside County Flood Control and Water Conservation District (RCFC&WCD)



 Project Location

FIGURE 1
Regional Location

Map Source: USGS 7.5 minute topographic map series, RIVERSIDE WEST quadrangle, 1980, T03S R05W Sect. 9, 15, 16, 21



0 Feet 2,000

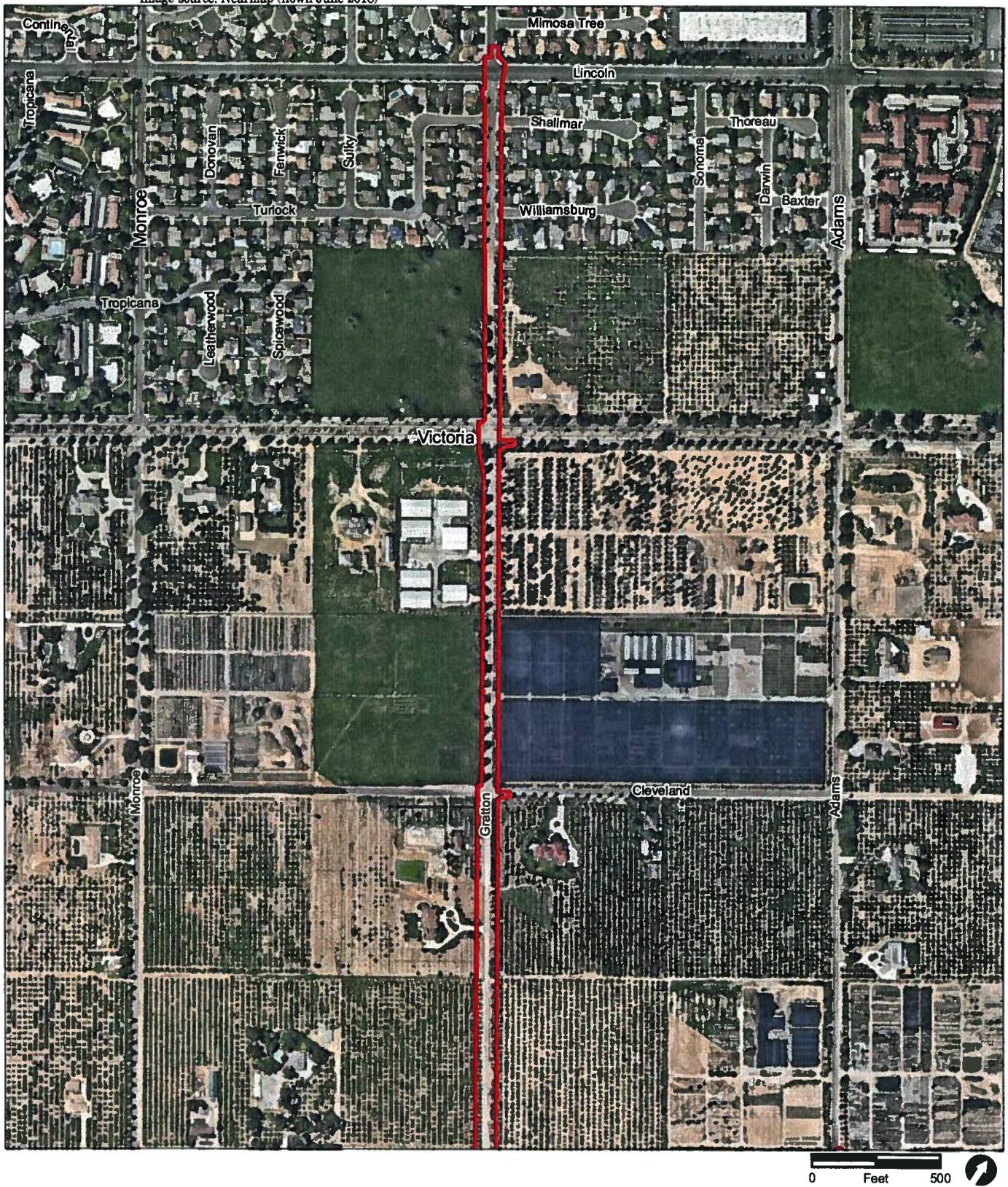
Project Boundary

RECON

M:\JOBS\58995\common_gis\fig2.mxd 6/26/2018 sab

FIGURE 2
Project Location on USGS Map

Image source: Nearmap (flown June 2018)



 Project Boundary

RECON

\\serverfs01\gis\JOBS5\8995\common_gis\Fig3a_MND.mxd 8/1/2018 frm

FIGURE 3a
Impact Area: Line E, Stage 2