

**INITIAL STUDY
FOR THE
PROPOSED WOOD STREETS STREET LIGHT PROJECT
AREA 2 SUBSEQUENT MITIGATED NEGATIVE
DECLARATION IN THE
CITY OF RIVERSIDE**

Prepared for:

**City of Riverside Community &
Economic Development Department
Planning Division**

Prepared by:

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3544 University Avenue
Riverside, California 92501

JUNE 2015

TABLE OF CONTENTS

<u>Section</u>	<u>Page No.</u>
1 INTRODUCTION.....	1
1.1 California Environmental Quality Act Compliance	1
1.2 Public Review Process	1
2 PROJECT DESCRIPTION	3
2.1 Project Location	3
2.2 Surrounding Land Uses.....	3
2.3 Project Background.....	4
2.4 Need for Project	5
2.5 Project Characteristics	13
2.5.1 California Environmental Quality Act Baseline	13
2.5.2 Proposed Project	14
3 FINDINGS	17
4 ENVIRONMENTAL CHECKLIST	19
4.1 Environmental Factors Potentially Affected.....	22
4.2 Evaluation of Environmental Impacts	24
4.2.1 Aesthetics	25
4.2.2 Agriculture and Forestry Resources.....	26
4.2.3 Air Quality	28
4.2.4 Biological Resources	29
4.2.5 Cultural Resources	31
4.2.6 Geology and Soils	33
4.2.7 Greenhouse Gas Emissions.....	35
4.2.8 Hazards and Hazardous Emissions	36
4.2.9 Hydrology and Water Quality.....	37
4.2.10 Land Use and Planning	39
4.2.11 Mineral Resources	40
4.2.12 Noise	40
4.2.13 Population and Housing.....	42
4.2.14 Public Services.....	43
4.2.15 Recreation	44
4.2.16 Transportation/Traffic.....	44
4.2.17 Utilities and Service Systems.....	46
4.2.18 Mandatory Findings of Significance.....	48
5 REFERENCES.....	49

TABLE OF CONTENTS (CONTINUED)

Page No.

APPENDIX

A Proposed Wood Streets Street Light Layout and Standards

TABLES

1 Existing Land Use in Project Area..... 3
2 Existing and Proposed Lighting in Area 2..... 14

FIGURES

1 Regional Map.....5
2 Vicinity Map.....7
3 Aerial Map9
4 General Street Light Replacement Locations11

1 INTRODUCTION

1.1 California Environmental Quality Act Compliance

The City, through its Community & Economic Development Department, Planning Division (Department), is the lead agency responsible for the review and approval of the proposed Wood Streets Street Light Project Area 2 (project). The City has made the determination that a Subsequent Mitigated Negative Declaration (MND) is the appropriate environmental document to be prepared in compliance with the California Environmental Quality Act (CEQA). As stated in Section 15162(a)(3)(a) of the CEQA Guidelines, a Subsequent MND can be prepared if the lead agency determines that new information of substantial importance, which was not known and could not have been known with the exercise of reasonable diligence at the time the previous Negative Declaration was adopted, shows the project will have one or more significant effects not discussed in the previous Negative Declaration. Based on light complaints from Area 1 of the project, the need for tree trimming in some areas, and the potential for sidewalk detours during light replacement activities, mitigation measures have been incorporated to Area 2 of the proposed project to ensure impacts are less than significant.

As provided for by CEQA Section 21064.5, an MND may be prepared for a project subject to CEQA when an Initial Study has identified potentially significant effects on the environment, but (1) revisions in the project plans or proposals made by, or agreed to by, the applicant before the proposed MND and Initial Study are released for public review would avoid the effects or mitigate the effects to a point where clearly no significant effect on the environment would occur, and (2) there is no substantial evidence in light of the whole record before the public agency that the project, as revised, may have a significant effect on the environment.

The City has prepared a Subsequent MND in conformance with Section 15070(a) of the CEQA Guidelines. The purpose of the Subsequent MND and the Initial Study Checklist/Environmental Evaluation is to address new information and determine any potentially significant impacts associated with the proposed project and incorporate mitigation measures into the project design as necessary to reduce or eliminate the potentially significant effects of the project.

1.2 Public Review Process

Pursuant to State CEQA Guidelines Section 15105(b), the Subsequent MND will be available for a public comment period of no less than 20 days from June 30, 2015, to July 20, 2015.

In reviewing the Subsequent MND, affected public agencies and the interested public should focus on the sufficiency of the document in identifying and analyzing the possible impacts on the environment, as well as ways in which the significant effects of the project are proposed to be avoided or mitigated.

Comments may be made on the Subsequent MND in writing before the end of the comment period. Following the close of the public comment period, the City will consider this Subsequent MND and comments thereto in determining whether to approve the proposed project. Written comments on the Subsequent MND should be sent to the following address by July 20, 2015:

Teri Delcamp, Historic Preservation Senior Planner
City of Riverside
Community & Economic Development Department
Planning Division
3900 Main Street, 3rd Floor
Riverside, California 92522

2 PROJECT DESCRIPTION

2.1 Project Location

The approximately 223-acre project area is mostly located within the Wood Streets Neighborhood Conservation Area (NCA) in Riverside, California. The project is located approximately 0.5 mile west of State Route 91 (SR 91) and approximately 2 miles south of SR 60. The project would occur along public rights-of-way mostly within the Wood Streets residential neighborhood generally bounded by Ramona Drive to the north; Magnolia Avenue to the east; Jurupa Avenue, Maplewood Place, and Edgewood Place to the south; and Palm Avenue to the west. The site boundaries also encompass Magnolia Elementary School and St. Paul Lutheran Church. Some areas including along Beechwood Place between Brockton Avenue and Palm Avenue, west of Brockton Avenue between Bandini Avenue and Linwood Place, and the areas generally south of Rosewood Place, are not located within the Wood Streets NCA. The attached figures show the specific boundaries of the project in detail (Figure 1, Regional Map; Figure 2, Vicinity Map; Figure 3, Aerial Map; Figure 4, General Street Light Replacement Locations).

The latitude and longitude of the approximate center of the site is 33°58'02" N and 117°22'33" W. The project site includes parts of Section 23 of Township 2 South, Range 5 West within the Riverside West 7.5-minute quadrangle, as mapped by the U.S. Geological Survey.

2.2 Surrounding Land Uses

The uses adjacent to the proposed Wood Streets Street Light Project Area 2 (project) site are residential development, a church and Central Middle School to the north; a park to the northwest; residential development, commercial, office, and public service development to the south; residential and commercial development to the east; and residential development and a park to the west. Table 1 outlines the existing land uses within and surrounding the project area.

Table 1
Existing Land Use in Project Area

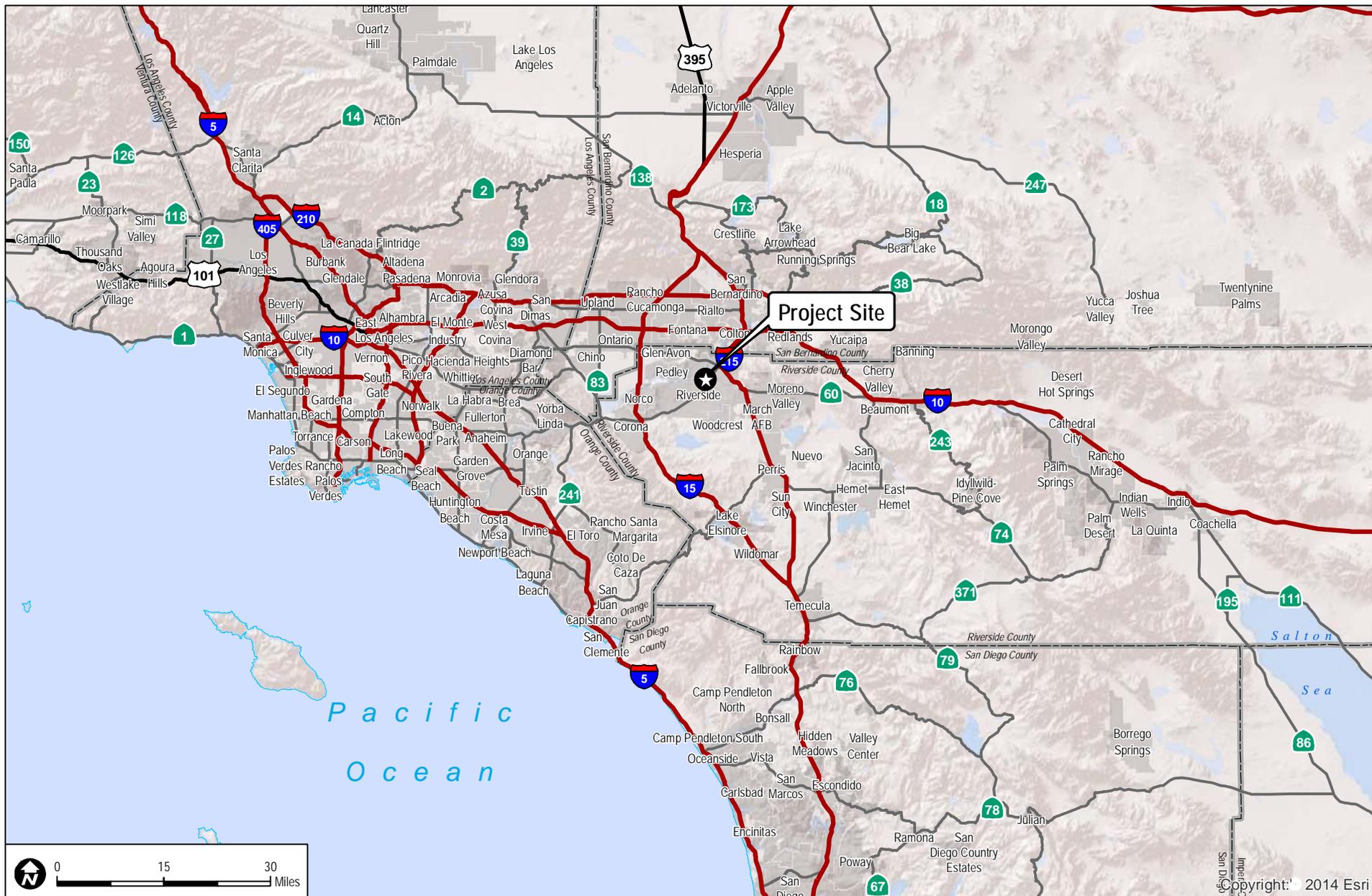
	Existing Land Use	General Plan Designation	Zoning Designation
Project Site	Residential, Commercial, Institutional	MDR - Medium Density Residential, C - Commercial, PF - Public Facilities/Institutional	R-1-7000 - Residential, CR - Commercial-Retail, PF - Public Facilities
North	Residential, School, Church	MDR - Medium Density Residential, PF - Public Facilities/Institutional	R-1-7000 – Residential, PF - Public Facilities
East	Residential, Commercial	MDR - Medium Density Residential, MU-N – Mixed Use-Neighborhood	R-1-7000 – Residential, CG – General Commercial, O - Office
South	Residential, Commercial, Office, School	MDR - Medium Density Residential, C - Commercial, MU-N – Mixed Use-Neighborhood	R-1-7000 – Residential; CR – Commercial Retail, CG - Commercial General, O - Office
West	Residential, Park	MDR - Medium Density Residential, LDR - Low Density Residential	R-1-7000 – Residential

2.3 Project Background

The City of Riverside Public Utilities Department is currently in the process of replacing the historic light standards in the Wood Streets Historic District and Wood Streets NCA. The Wood Streets District/NCA includes a group of adjacent residential subdivisions that represent the City's most coherent examples of 1920s and 1930s residential neighborhoods in their style, scale, and tone. These residences retain common setbacks, turfed front yards with sidewalks, curbs, street trees, streetlights, and street entry markers. The styles of the houses range from Craftsman and California Bungalow to distinctive examples of period revival architecture, including Tudor Revival, Spanish Colonial Revival, Pueblo Revival, and Mission Revival. Of the 1,224 properties included in the Wood Streets District, 1,081 are contributors—recognized as representative of the historical character of the district—and 143 are non-contributors (City of Riverside n.d.).

The first phase of the project (Area 1) was approved on March 21, 2012, by the Cultural Heritage Board under Certificate of Appropriateness Case No. P12-0043 and replacement began in January 2014. The first phase of the project proposed replacement of 202 of the 243 historic light standards in Area 1, which included portions of the Wood Streets Historic District and the NCA. New replica standards have replaced the 159 existing Kodiak standards and fiberglass standards that were in poor condition. Of the remaining standards, 43 were in good condition and were retained and 41 were in poor condition and were removed. To date, all light fixtures in Area 1 have been replaced; however, asphalt in some areas has yet to be completed.

The proposed project will continue the process of historic light standard replacement in Area 2, which is within the Wood Streets NCA only.

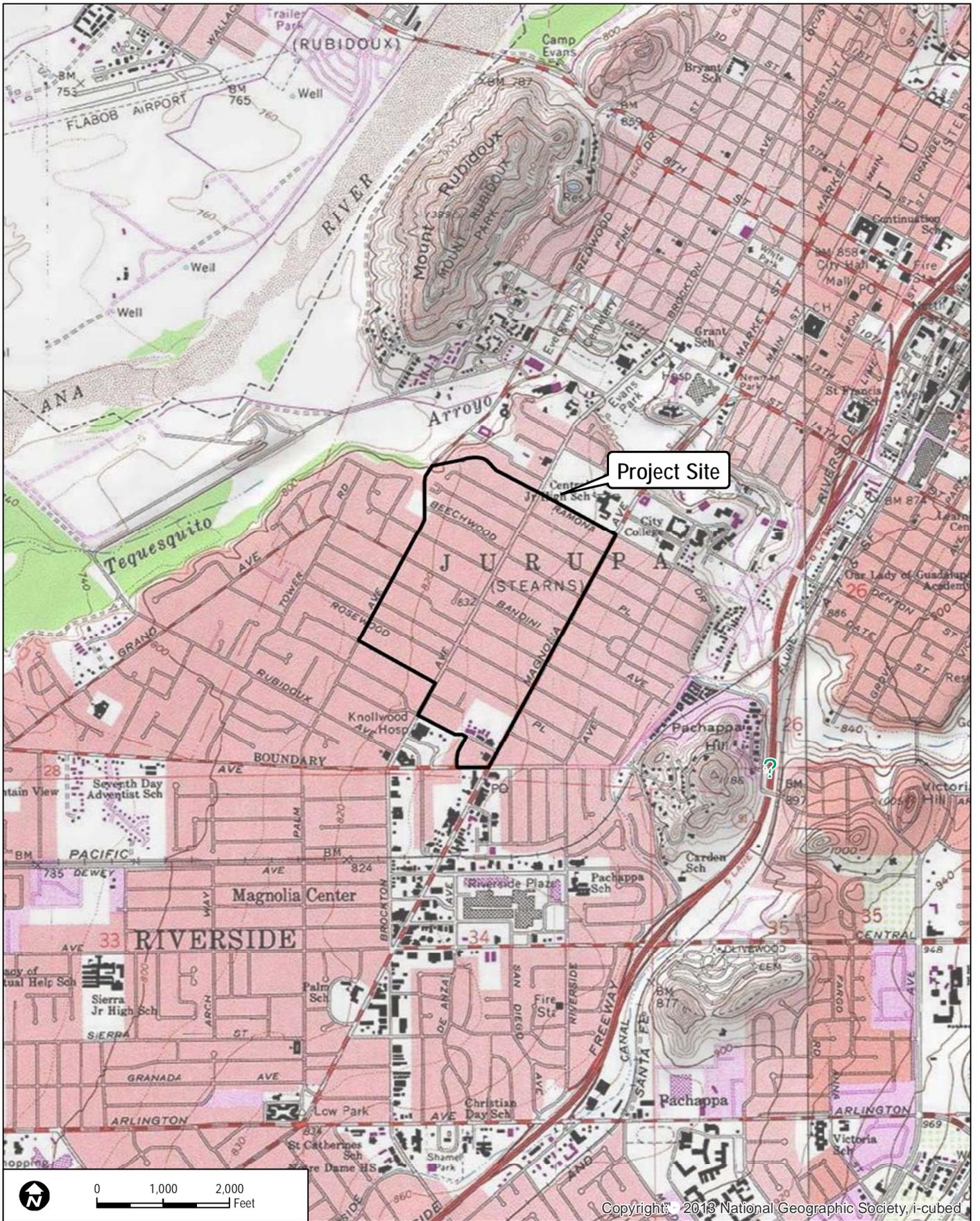


DUDEK

Wood Streets Street Light Project Area 2

FIGURE 1
Regional Map

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SOURCE: USGS 7.5-Minute Series Riverside West Quadrangle.

FIGURE 2
Vicinity Map

Wood Streets Street Light Project Area 2

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-  Project Boundary
-  Streets Where Lights Will be Replaced

Figure 3
Aerial Map

SOURCE: Bing Maps 2015



Wood Streets Street Light Project Area 2

DUDEK CONSULTING ENGINEERS ARCHITECTS

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2.4 Need for Project

The proposed project would continue the current replacement of the light standards, but within the Wood Streets NCA. Many of the existing light standards are in poor condition and are inefficient related to energy usage and require replacement. The project would install replicas of the existing styles to ensure compliance with Title 20 of the City's Municipal Code, Cultural Resources, which provides standards and requirements for historic preservation in the City, as well as General Plan Policy HP-1.2, which states:

The City shall assume its direct responsibility for historic preservation by protecting and maintaining its publicly owned cultural resources. Such resources may include, but are not limited to, buildings, monuments, landscapes, and right-of-way improvements, such as retaining walls, granite curbs, entry monuments, light standards, street trees, and the scoring, dimensions, and patterns of sidewalks, driveways, curbs and gutters.

The project would support the City's ongoing efforts to maintain the integrity of its cultural resources while providing current and effective services to its residents.

2.5 Project Characteristics

2.5.1 California Environmental Quality Act Baseline

The Wood Streets Street Light Project Area 2 currently contains 284 historic light standards. Of these, 250 are proposed for removal and 195 standards with improved lighting will be installed. Whereas some existing street lights are across from each other, the new layout for the light standards will be staggered so street lights will not always remain in the same location as existing. The existing Corsican and Monuments are not a part of the project. The existing light standards are as follows:

- 148 TC Concrete
- 85 TC Metal
- 31 TC Fiber Glass
- 12 TC Round Top
- 1 Corsican 1
- 2 Monument 1
- 1 Monument 2
- 3 Monument 3
- 1 Monument 4

Visual examples of each type of lighting standard are shown in Appendix A.

The proposed project would take place within the public rights-of-way within an approximately 223-acre area. Figure 3, Aerial Map, and Figure 4, General Street Light Replacement Locations depicts the roadways within the project site.

2.5.2 Proposed Project

The proposed project would remove 250 of the 284 existing historic lighting standards in the Wood Streets NCA, and install 195 new light standards in a new layout.

The proposed replacement within Area 2 would include replacement along Ramona Drive, Larchwood Place, Highland Place, Chapman Place, Elmwood Court, Bandini Avenue between Brockton Avenue and Magnolia Avenue, Alden Road, Linwood Place, Oakwood Place, Rosewood Place, Edgewood Place, Beechwood Place between Brockton Avenue and Magnolia Avenue, and parkways within the Wood Streets NCA.

The number of lighting standards to be removed and the type of standard are as follows:

- 143 TC Concrete
- 68 TC Metal
- 30 TC Fiber Glass
- 9 TC Round Top

Table 2 summarizes the number of existing lighting standards and number of proposed light standard removals.

Table 2
Existing and Proposed Lighting in Area 2

Light Fixture	Number of Existing Light Fixtures	Number of Proposed Light Fixture Removed
TC Concrete	148	143
TC Metal	85	68
TC Fiber Glass	31	30
TC Round Top	12	9
Corsican	1	0
Monument 1	2	0
Monument 2	1	0
Monument 3	3	0
Monument 4	1	0
Total	284	250

Of the 250 street lights to be removed, 195 are proposed to be replaced with street light standards in a new layout. They will be replaced with the historically appropriate Kodiak concrete street light standard and receive the new acorn top with 66-watt Light-Emitting Diode (LED) luminaire that was developed in the first area of the replacement project in the Wood Streets NCA and Historic District. A 22-watt LED luminaire is being developed; if it meets the City standards, it may be used in residential areas. It will not affect the proposed street light locations.

The monument light standards and luminaires are proposed to be preserved in place and are not a part of the project.

Riverside Public Utilities is funding the project through their capital expenditure account under Neighborhood street light retrofit projects.

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3 FINDINGS

Based on the environmental discussion provided in Section 4.0 of this Initial Study, the City finds that the proposed Wood Streets Street Light Project Area 2 would not have a significant adverse effect on the environment. Potentially significant effects and the mitigation measures that would reduce these impacts to less-than-significant levels have been identified in the Initial Study and are described herein. As previously stated, per Section 15162(a)(3)(a) of the CEQA Guidelines, a Subsequent MND can be prepared if the lead agency determines that new information of substantial importance, which was not known and could not have been known with the exercise of reasonable diligence at the time the previous Negative Declaration was adopted, shows the project will have one or more significant effects not discussed in the previous Negative Declaration. Based on light complaints from Area 1 of the project, the need for tree trimming in some areas, and the potential for sidewalk detours during light replacement activities, mitigation measures have been incorporated to Area 2 of the proposed project to ensure impacts are less than significant. As such, a Subsequent MND is therefore proposed to satisfy the requirements of the California Environmental Quality Act (CEQA; California Public Resources Code, Section 21000 et seq.).

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4 ENVIRONMENTAL CHECKLIST

1. **Case Number:** P15-0344 (Certificate of Appropriateness)
2. **Project Title:** Wood Streets Street Light Project Area 2
3. **Hearing Date:** August 19, 2015
4. **Lead Agency Name and Address:** City of Riverside
Community & Economic
Development Department
Planning Division
3900 Main Street, 3rd Floor
Riverside, California 92522
5. **Contact Person, Phone Number,
and Email:** Teri Delcamp, Historic Preservation
Senior Planner
951.826.2117
tdelcamp@riversideca.gov
6. **Project Location:** Wood Streets Neighborhood Conservation
Area. The project is generally bounded by
Ramona Drive to the north; Magnolia Avenue
to the east; Jurupa Avenue, Maplewood Place,
and Edgewood Place to the south; and Palm
Avenue to the west.
Riverside, California 92501 and 92506
7. **Project Sponsor's Name and Address:** Applicant
Riverside Public Utilities
3900 Orange Street
Riverside, California 92501
Property Owner
City of Riverside
3900 Main Street
Riverside, California 92501
8. **General Plan Designation:** Public Rights-of-Way adjacent to MDR -
Medium Density Residential, C – Commercial,
PF - Public Facilities/Institutional
9. **Zoning:** Public Rights-of-Way adjacent to R-1-7000
– Single Family Residential, CR –
Commercial-Retail, PF - Public Facilities

10. **Description of Project:** See Section 2.0, Project Description.

11. **Existing Land Use and Setting:**

The approximately 223-acre project site consists of existing historic residences as well as commercial development and institutional uses (including schools and churches). The proposed project would occur within the public rights-of-way and parkways within the project site.

12. **Surrounding Land Uses and Setting (briefly describe the project's surroundings):**

The uses adjacent to the proposed project site are residential development, a church and Central Middle School to the north; a park to the northwest; residential development, commercial, office, and public service development to the south; residential and commercial development to the east; and residential development and a park to the west.

Adjacent Existing General Plan/Land Use:

- North: MDR – Medium Density Residential, PF – Public Facilities/Institutional.
- South: MDR – Medium Density Residential, C – Commercial, MU-N – Mixed Use–Neighborhood.
- East: MDR – Medium Density Residential, MU-N – Mixed Use Neighborhood.
- West: MDR – Medium Density Residential, LDR – Low Density Residential.

Adjacent Zoning:

- North: R-1-7000 – Residential, PF – Public Facilities.
- South: R-1-7000 – Residential, CR – Commercial-Retail, CG – Commercial General, O – Office.
- East: R-1-7000 – Residential, CG – General Commercial, O – Office.
- West: R-1-7000 – Residential.

13. **Other Public Agencies Whose Approval is Anticipated to be Required (e.g., permits, financial approval, or participation agreement):**

- a. Riverside Public Utilities
- b. Riverside Public Works

14. **Other Environmental Reviews Referenced in this Review:**

- c. Riverside General Plan 2025 (GP 2025)
- d. Zoning Code, Title 19
- e. General Plan 2025 Final Programmatic Environmental Impact Report (FPEIR)

- f. Title 20, Cultural Resources
- g. California Integrated Waste Management Board 2002 Landfill Facility Compliance Study.

15. Acronyms

AQMP	Air Quality Management Plan
CBC	California Building Code
CEQA	California Environmental Quality Act
City	City of Riverside
CMP	Riverside County Congestion Management Plan
CO	carbon monoxide
DOC	California Department of Conservation
FPEIR	GP 2025 Final Programmatic Environmental Impact Report
GHG	Greenhouse Gas
GP	General Plan
GP 2025	City of Riverside General Plan 2025
HPS	high pressure sodium
LED	Light-Emitting Diode
LOS	level of service
MND	Mitigated Negative Declaration
MRZ	Mineral Resource Zone
MSHCP	Multiple Species Habitat Conservation Plan
NCA	Neighborhood Conservation Area
NO _x	oxides of nitrogen
O ₃	ozone
PM _{2.5}	particulate matter with an aerodynamic diameter less than or equal to 2.5 microns in diameter
PM ₁₀	particulate matter with an aerodynamic diameter less than or equal to 10 microns in diameter
PRC	California Public Resources Code
RPU	City of Riverside Public Utilities
SCAB	South Coast Air Basin
SCAQMD	South Coast Air Quality Management District
SR 60	State Route 60
SR 91	State Route 91

4.1 Environmental Factors Potentially Affected

The environmental factors checked below would be potentially affected by this project, involving at least one impact that is a “potentially significant impact” as indicated by the checklist that follows.

- | | | |
|--|---|---|
| <input checked="" type="checkbox"/> Aesthetics | <input type="checkbox"/> Agriculture and forestry resources | <input type="checkbox"/> Air quality |
| <input type="checkbox"/> Biological resources | <input checked="" type="checkbox"/> Cultural resources | <input type="checkbox"/> Geology/soils |
| <input type="checkbox"/> Greenhouse gas emissions | <input type="checkbox"/> Hazards and hazardous materials | <input type="checkbox"/> Hydrology/water quality |
| <input type="checkbox"/> Land use/planning | <input type="checkbox"/> Mineral resources | <input type="checkbox"/> Noise |
| <input type="checkbox"/> Population/housing | <input type="checkbox"/> Public services | <input type="checkbox"/> Recreation |
| <input checked="" type="checkbox"/> Transportation/traffic | <input type="checkbox"/> Utilities/service systems | <input type="checkbox"/> Mandatory findings of significance |

DETERMINATION (to be completed by the lead agency):

On the basis of this initial evaluation, which reflects the independent judgment of the City of Riverside, it is recommended that:

The City of Riverside finds that the proposed project COULD NOT have a significant effect on the environment, and a NEGATIVE DECLARATION will be prepared.

The City of Riverside finds that although the proposed project could have a significant effect on the environment, there will not be a significant effect in this case because revisions in the project have been made by or agreed to by the project proponent. A MITIGATED NEGATIVE DECLARATION will be prepared.

The City of Riverside finds that the proposed project MAY have a significant effect on the environment, and an ENVIRONMENTAL IMPACT REPORT (EIR) is required.

The City of Riverside finds that the proposed project MAY have a “potentially significant impact” or “potentially significant unless mitigated” impact on the environment, but at least one effect (1) has been adequately analyzed in an earlier document pursuant to applicable legal standards, and (2) has been addressed by mitigation measures based on the earlier analysis as described on attached sheets. An EIR is required, but it must analyze only the effects that remain to be addressed.

The City of Riverside finds that although the proposed project could have a significant effect on the environment, because all potentially significant effects (1) have been analyzed adequately in an earlier EIR or NEGATIVE DECLARATION pursuant to applicable standards, and (2) have been avoided or mitigated pursuant to that earlier EIR or NEGATIVE DECLARATION, including revisions or mitigation measures that are imposed upon the proposed project, nothing further is required.

Signature Teri Depp

Date 6/26/15

4.2 Evaluation of Environmental Impacts

1. A brief explanation is required for all answers except “no impact” answers that are adequately supported by the information sources the lead agency cites in the parentheses following each question. A “no impact” answer is adequately supported if the referenced information sources show that the impact simply does not apply to projects like the one involved (e.g., the project falls outside a fault rupture zone). A “no impact” answer should be explained where it is based on project-specific factors as well as general standards (e.g., the project will not expose sensitive receptors to pollutants, based on a project-specific screening analysis).
2. All answers must take account of the whole action involved, including off-site as well as on-site, cumulative as well as project-level, indirect as well as direct, and construction as well as operational impacts.
3. Once the lead agency has determined that a particular physical impact may occur, the checklist answers must indicate whether the impact is potentially significant, less than significant with mitigation, or less than significant. “Potentially significant impact” is appropriate if there is substantial evidence that an effect may be significant. If there are one or more “potentially significant impact” entries when the determination is made, an EIR is required.
4. “Negative declaration: Less than significant with mitigation incorporated” applies where the incorporation of mitigation measures has reduced an effect from a “potentially significant impact” to a “less-than-significant impact.” The lead agency must describe the mitigation measures and briefly explain how they reduce the effect to a less-than-significant level (mitigation measures from earlier analyses, as described in item 5, may be cross-referenced).
5. Earlier analyses may be used where, pursuant to the tiering, program EIR, or other CEQA process, an effect has been adequately analyzed in an earlier EIR or negative declaration (14 CCR 15063(c)(3)(D)). In this case, a brief discussion should identify the following:
 - a. **Earlier Analysis Used.** Identify and state where they are available for review.
 - b. **Impacts Adequately Addressed.** Identify which effects from the checklist in Section 4.1 were within the scope of and adequately analyzed in an earlier document pursuant to applicable legal standards, and state whether such effects were addressed by mitigation measures based on the earlier analysis.
 - c. **Mitigation Measures.** For effects that are “less than significant with mitigation measures incorporated,” describe the mitigation measures that were incorporated or refined from the earlier document and the extent to which they address site-specific conditions for the project.

6. Lead agencies are encouraged to incorporate into the checklist references to information sources for potential impacts (e.g., general plans, zoning ordinances). Reference to a previously prepared or outside document should, where appropriate, include a reference to the page or pages where the statement is substantiated.
7. Supporting information sources: A source list should be attached, and other sources used or individuals contacted should be cited in the discussion.
8. The explanation of each issue should identify the following:
 - a. The significance criteria or threshold, if any, used to evaluate each question
 - b. The mitigation measure identified, if any, to reduce the impact to less than significant.

Issues (and Supporting Information Sources)	Potentially Significant Impact	Potentially Significant Unless Mitigation Incorporated	Less-Than-Significant Impact	No Impact
4.2.1 Aesthetics – Would the project:				
a. Have a substantial adverse effect on a scenic vista?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
4.2.1a. Response (Sources: Proposed Project; City of Riverside 2007a, Figure CCM-4 – Master Plan of Roadways): According to the City’s GP 2025 Open Space and Conservation Element, the peak of Mount Rubidoux, which is located approximately 0.69 mile northwest from the project site, provides a partial scenic viewpoint to some residents within the Wood Streets NCA. The existing predominant residential development with mature trees within the project boundaries currently blocks most of the views from the houses or area streets to Mount Rubidoux. The proposed project consists of the replacement of existing historic light standards and luminaires of similar heights within public rights-of-way and thus would not substantially affect the residents’ partial views to Mount Rubidoux, if it currently exists. The easterly project boundary is also located adjacent to Magnolia Avenue, which is identified in Figure CCM-4, Master Plan of Roadways of the City’s GP 2025, as a 120 foot arterial, Parkway, Scenic, and Special Boulevard. The proposed project will not have an aesthetic impact on Magnolia Avenue itself as there will be no light fixture replacement along this roadway. Because scenic vistas will not be affected by the project, impacts are considered less than significant either directly, indirectly, or cumulatively, and no mitigation measures are required.				
b. Substantially damage scenic resources, including, but not limited to, trees, rock outcroppings, and historic buildings within a State Scenic Highway?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
4.2.1b. Response (Sources: Caltrans 2011; City of Riverside 2007a, Circulation and Community Mobility Element, Figure CCM-4, and Open Space and Conservation Element): Refer to Response 4.2.1a. There are no state scenic highways near the site as identified by the California Scenic Highway Program (Caltrans 2011). However, Figure CCM-4, Master Plan of Roadways, in the City’s GP 2025 Circulation and Community Mobility Element designates Magnolia Avenue as a 120-foot arterial, Parkway, Scenic, and Special Boulevard. The easterly project boundary is located adjacent to Magnolia Avenue. As discussed in Response 4.2.1a, the project will not affect the scenic qualities of Magnolia Avenue since there are no light fixture replacements along this roadway. As such, there will be no impact on this local resource either directly, indirectly, or cumulatively, and no mitigation measures are required.				
c. Substantially degrade the existing visual character or quality of the site and its surroundings?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Issues (and Supporting Information Sources)	Potentially Significant Impact	Potentially Significant Unless Mitigation Incorporated	Less-Than-Significant Impact	No Impact
<p>4.2.1c. Response (Sources: Proposed Project; City of Riverside 2007b, Title 20 of the Riverside Municipal Code): Refer to Responses 4.2.1a and 4.2.5a. The project area currently consists of predominately residential development, commercial, school, and institutional uses. Within this area there are 284 existing light fixtures. The proposed project consists of the replacement of 250 of the 284 existing historic light standards with historically appropriate concrete light standards and installation of replacement, replica glass acorn luminaires. As discussed in Section 4.2.5a, the project will comply with and implement the applicable provisions in Title 20 and the Secretary of the Interior’s Standards for the Treatment of Historic Properties related to historic resources; design standards and guidelines; and conditions of approval for the Certificate of Appropriateness. Since the proposed project will replace the existing light fixtures to a more historically appropriate fixture, the project will enhance the Wood Streets NCA character. Therefore, the proposed project will have a less-than-significant impact on the existing visual character and quality of the site and its surroundings, either directly, indirectly, or cumulatively, and no mitigation measures are required.</p>				
<p>d. Create a new source of substantial light or glare which would adversely affect day or nighttime views in the area?</p>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<p>4.2.1d. Response (Sources: Proposed Project; Title 19 – Article VIII – Chapter 19.556 – Lighting, Citywide Design and Sign Guidelines): The project site is already an illuminated area. Currently there are sources of nighttime light and glare from the existing development and by the 284 existing light fixtures on public rights-of-way within the project boundary. Damaged or historically inappropriate standards and lighting will be removed and replaced by new energy efficient and historically appropriate concrete standards and luminaires. The proposed luminaires will include LED lights up to 66 watts that will be evenly spaced through the project area providing a uniform, more focused spread of light for increased safety, while using less energy than existing lights. There will be no substantial increase in light or glare from existing conditions. The proposed project will include a photometrics study designed to comply with the requirements and policies for the City, to be reviewed by City staff during plan check review. In the event the City receives complaints with regards to the illumination produced by the light replacement fixtures, mitigation measure MM-AES-1 has been incorporated to ensure light and glare impacts does not significantly impact the project area. Thus, the proposed project will have a less-than-significant impact with mitigation incorporated on day or nighttime views directly, indirectly, or cumulatively.</p> <p>MM-AES-1: In the event the City of Riverside receives complaints with regards to illumination produced by the new light replacement fixtures, the City will work with the property owners on a case-by-case basis to resolve the light and glare issues by implementing features, such as diffuser with shield, to minimize light pollution.</p>				
<p>4.2.2 Agriculture and Forestry Resources – Would the project:</p>				
<p>In determining whether impacts to agricultural resources are significant environmental effects, lead agencies may refer to the California Agricultural Land Evaluation and Site Assessment Model (1997) prepared by the California Department of Conservation as an optional model to use in assessing impacts on agriculture and farmland. In determining whether impacts to forest resources, including timberland, are significant environmental effects, lead agencies may refer to information compiled by the California Department of Forestry and Fire Protection regarding the state’s inventory of forest land, including the Forest and Range Assessment Project and the Forest Legacy Assessment project; and forest carbon measurement methodology provided in Forest Protocols adopted by the California Air Resources Board.</p>				
<p>a. Convert Prime Farmland, Unique Farmland, or Farmland of Statewide Importance (Farmland), as shown on the maps prepared pursuant to the Farmland Mapping and Monitoring Program of the California Resources Agency, to non-agricultural use?</p>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<p>4.2.2a. Response (Sources: DOC 2010; City of Riverside 2007a, Open Space and Conservation Element, Figure OS-2 – Agricultural Suitability): The proposed project will entail the replacement of existing light standards within the public rights-of-way within the Wood Streets NCA. The subject site is designated “Urban and Built-Up Land” by the California Department of Conservation (DOC) Farmland Mapping and Monitoring Program (DOC 2010) and as depicted in Figure OS-2 of the</p>				

Issues (and Supporting Information Sources)	Potentially Significant Impact	Potentially Significant Unless Mitigation Incorporated	Less-Than-Significant Impact	No Impact
<p>City's GP 2025 (City of Riverside 2007a). The DOC (2010) defines "Urban and Built-Up Land" as occupied structures with a building density of at least one unit to 1.5 acres, or approximately six structures to a 10-acre parcel. Since the site is already developed and is not located on any Farmland designations, no conversion of Prime Farmland, Unique Farmland, or Farmland of Statewide Importance to non-agricultural use would occur. As such, the project will have no impact directly, indirectly, or cumulatively on agricultural resources.</p>				
<p>b. Conflict with existing zoning for agricultural use, or a Williamson Act contract?</p>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<p>4.2.2b. Response (Sources: Zoning Map of the City of Riverside (2013); Land Use Policy Map (2013); City of Riverside 2007a, Open Space and Conservation Element, Figure OS-3 – Williamson Act Preserves; DOC 2012): The City's Land Use Zoning Map and General Plan Land Use Map indicate that no portion of the project site is located within an area that is zoned for agricultural use. The site carries land use designations of MDR – Medium Density Residential, C – Commercial, and PF – Public Facilities/Institutional and is zoned R-1-7000 – Single Family Residential, CR – Commercial Retail, and PF – Public Facilities. According to the DOC's Williamson Act Map and as depicted in Figure OS-3, Williamson Act Preserves in the City's GP 2025 Open Space and Conservation Element, there are no Williamson Act contracts on the project site. Since the project is not an agricultural land use and is not under a Williamson Act contract, no impacts to an agricultural use or Williamson Act contract would occur. As such, no impacts will result either directly, indirectly, or cumulatively.</p>				
<p>c. Conflict with existing zoning for, or cause rezoning of, forest land (as defined in California Public Resources Code Section 12220(g)), timberland (as defined by California Public Resources Code Section 4526), or timberland zoned Timberland Production (as defined by Government Code Section 51104(g))?</p>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<p>4.2.2c. Response (Sources: PRC 12220(g) and 4526; CGC 51104(g); City of Riverside Zoning Map): The City of Riverside has no forest land that can support 10% native tree cover, nor does it have any timberland. The project area is zoned R-1-7000 – Single Family Residential, CR – Commercial Retail, and PF – Public Facilities. The proposed replacement of existing historic light standards with historically appropriate light standards will not result in the rezoning of property intended for forest land. Therefore, no impacts will occur from this project on forest land either directly, indirectly, or cumulatively.</p>				
<p>d. Result in the loss of forest land or conversion of forest land to non-forest use?</p>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<p>4.2.2d. Response (Source: PRC 12220(g); City of Riverside 2007a, Zoning Map): Refer to Response 4.2.2c. The project site is currently developed with residences, commercial uses, and school and church facilities and is not considered forest land. Therefore, implementation of the proposed project would not result in the loss of forest land or conversion of forest land to non-forest use. No impacts will occur from the project either directly, indirectly, or cumulatively.</p>				
<p>e. Involve other changes in the existing environment, which, due to their location or nature, could result in conversion of Farmland to non-agricultural use or conversion of forest land to non-forest use?</p>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<p>4.2.2e. Response (Sources: DOC 2010; City of Riverside 2007a, Open Space and Conservation Element, Figure OS-2 – Agricultural Suitability; PRC 12220(g)): Please refer to Responses 4.2.2a, 4.2.2c, and 4.2.2d. Implementation of the proposed project would be within a previously developed area. The subject site is designated "Urban and Built-Up Land" by the DOC Farmland Mapping and Monitoring Program (DOC 2010) and as depicted in Figure OS-2 of the City's GP 2025 (City of Riverside 2007a). No forest land areas, as defined in California Public Resources Code (PRC) 12220(g), are located within or adjacent to the project site. Therefore, changes to the existing environment that could result in conversion of Farmland to non-</p>				

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agricultural use or conversion of forest land to non-forest use would not occur. No impacts will result from the project either directly, indirectly, or cumulatively.				
4.2.3 Air Quality – Would the project:				
Where available, the significance criteria established by the applicable air quality management or air pollution control district may be relied upon to make the following determinations.				
a. Conflict with or obstruct implementation of the applicable air quality plan?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<p>4.2.3a. Response (Source: SCAQMD 2012): The proposed replacement of historical light standards is consistent with Title 20, the Secretary of Interior's Standards and the General Plan 2025 Program "Typical Growth Scenario." The luminaires of all of the 250 standards within the project area would be replaced with an acrylic acorn style standard, which would include an internal LED bulb. Replacement of the 100-watt high pressure sodium (HPS) bulb in the existing standard with the proposed 66-watt equivalent LED bulb would result in an approximately 34% decrease in energy use for this light standard. A 22-watt LED bulb is being developed; if it meets the City standards it may be used in residential areas. It will not affect the proposed street light locations.</p> <p>The South Coast Air Basin (SCAB) Air Quality Management Plan (AQMP), prepared by South Coast Air Quality Management District (SCAQMD), sets forth a comprehensive program to lead the SCAB into compliance with Federal and State air quality standards. The City is located within the Riverside County subregion of the SCAB projections. The City's GP 2025 FPEIR determined that implementation of the City's GP 2025 would generally meet forecasts for air quality standard attainment and would be consistent with the 2012 AQMP. Because the proposed project is consistent with the air quality policies found in the City's GP 2025, the proposed project would not conflict with or obstruct implementation of the AQMP. Therefore, the project will have a less-than-significant impact on implementation of the air quality plan and no mitigation measures are required.</p>				
b. Violate any air quality standard or contribute substantially to an existing or projected air quality violation?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<p>4.2.3b. Response (Sources: CARB 2013; City of Riverside 2007c, Table 5.3-B; SCAQMD 2012): The portion of the SCAB in which the City is located is designated as a nonattainment area for ozone (O₃), particulate matter with an aerodynamic diameter less than or equal to 10 microns in diameter (PM₁₀), and PM_{2.5} under state standards and a nonattainment area for O₃, PM₁₀, and PM_{2.5} under federal standards.</p> <p>The project would not result in the violation of any ambient air quality standard or contribute substantially to an existing or projected air quality violation, because the project is proposed in a developed area and does not involve significant construction, grading, or earthmoving activities. The proposed project consists of the replacement of existing historic light standards and luminaires of similar heights within public rights-of-way. Therefore, the project will have a less-than-significant impact either directly, indirectly, or cumulatively on ambient air quality and/or existing air quality violations, and no mitigation measures are required.</p>				
c. Result in a cumulatively considerable net increase of any criteria pollutant for which the project region is non-attainment under an applicable federal or state ambient air quality standard (including releasing emissions which exceed quantitative thresholds for ozone precursors)?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Issues (and Supporting Information Sources)	Potentially Significant Impact	Potentially Significant Unless Mitigation Incorporated	Less-Than-Significant Impact	No Impact
<p>4.2.3c. Response (Sources: City of Riverside 2007c, Table 5.3-B; SCAQMD 2012 AQMP): See response 4.2.3b. The City's GP 2025 FPEIR analyzed AQMP thresholds and indicated that future construction activities under the GP are projected to result in significant levels of oxides of nitrogen (NO_x) and reactive organic compounds or gases, both O₃ precursors, PM₁₀, PM_{2.5}, and carbon monoxide (CO). Although long-term emissions are expected to decrease by 2025, all criteria pollutants remain above the SCAQMD thresholds.</p> <p>Because the proposed project is consistent with the City's GP 2025, cumulative impacts associated with increases in criteria pollutants as a result of the project were previously evaluated as part of the cumulative analysis of buildout anticipated under the City's GP 2025 Program. As a result, the proposed project does not result in any new significant impacts related to land use that were previously evaluated and for which a statement of overriding considerations was adopted as part of the General Plan 2025 FPEIR. Replacement of lighting fixtures to be safer, more energy efficient, and more historically uniform would not result in cumulative air quality impacts. Therefore, cumulative air quality emissions impacts are less than significant, and no mitigation measures are required.</p>				
d. Expose sensitive receptors to substantial pollutant concentrations?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<p>4.2.3d. Response (Sources: City of Riverside 2007c, Table 5.3-B SCAQMD CEQA Regional Significance Thresholds; SCAQMD 2012 AQMP): Nearby sensitive receptors include neighboring residents, church, and nearby schools. Short-term impacts associated with construction from the City's GP 2025 typical buildout will result in increased air emissions from earthmoving and construction activities. Because the project is proposed on a previously developed site and does not involve substantial grading or earthmoving activities, the project would result in minimal pollutant emissions. Replacement of lighting fixtures to be safer, more energy efficient, and more historically uniform would not result in substantial pollutant concentrations. The project would not expose sensitive receptors to substantial pollutant concentrations and would have a less-than-significant impact either directly, indirectly, or cumulatively, and no mitigation measures are required.</p>				
e. Create objectionable odors affecting a substantial number of people?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<p>4.2.3e. Response (Source: Proposed Project) Odors are a form of air pollution that is most obvious to the general public. Odors can present significant problems for both the source and surrounding community. Although offensive odors seldom cause physical harm, they can be annoying and cause concern. Construction and operation of the project would not create objectionable odors affecting a substantial number of people.</p> <p>Land uses and industrial operations that are associated with odor complaints include agricultural uses, wastewater treatment plants, food processing plants, chemical plants, composting, refineries, landfills, dairies, and fiberglass molding. The project entails light replacement fixtures and would not result in the creation of a land use that is commonly associated with odors. Thus, the project will have no impact related to odor exposure either directly, indirectly, or cumulative, and no mitigation measures are required.</p>				
<p>4.2.4 Biological Resources – Would the project:</p>				
a. Have a substantial adverse effect, either directly or through habitat modifications, on any species identified as a candidate, sensitive, or special-status species in local or regional plans, policies, or regulations, or by the California Department of Fish and Game or U.S. Fish and Wildlife Service?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Issues (and Supporting Information Sources)	Potentially Significant Impact	Potentially Significant Unless Mitigation Incorporated	Less-Than-Significant Impact	No Impact
<p>4.2.4a. Response (Sources: City of Riverside 2007a Figures OS-6 – Stephen’s Kangaroo Rat Core Reserves and Other Habitat Conservation Plans, OS-7 – MSHCP Cores and Linkages, OS-8 – MSHCP Cell Areas; City of Riverside 2007c, Figures 5.4-2 – MSHCP Area Plans, 5.4-4 – MSHCP Criteria Cells and Subunit Areas, 5.4-6 – MSHCP Narrow Endemic Plan Species Survey Area, 5.4-7 – MSHCP Criteria Area Species Survey Area, and 5.4-8 – MSHCP Burrowing Owl Survey Area):</p> <p>The project site is located within the developed right-of-way within an urbanized area. The City’s GP 2025 and the Multiple Species Habitat Conservation Plan (MSHCP; County of Riverside 2007) identified no potential for the project area to include candidate, sensitive, or special-status species or suitable habitat for such species. Therefore, the project will have no impact on habitat or species identified by the California Department of Fish and Wildlife or U.S. Fish and Wildlife Service either directly, indirectly, or cumulatively, and no mitigation measures are required.</p>				
<p>b. Have a substantial adverse effect on any riparian habitat or other sensitive natural community identified in local or regional plans, policies, and regulations or by the California Department of Fish and Game or U.S. Fish and Wildlife Service?</p>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<p>4.2.4b. Response (Sources: City of Riverside 2007a Figures OS-6 – Stephen’s Kangaroo Rat Core Reserves and Other Habitat Conservation Plans, OS-7 – MSHCP Cores and Linkages, OS-8 – MSHCP Cell Areas; City of Riverside 2007c, Figures 5.4-2 – MSHCP Area Plans, 5.4-4 – MSHCP Criteria Cells and Subunit Areas, 5.4-6 – MSHCP Narrow Endemic Plan Species Survey Area, 5.4-7 – MSHCP Criteria Area Species Survey Area, and 5.4-8 - MSHCP Burrowing Owl Survey Area; and MSHCP Section 6.1.2):</p> <p>The project area is developed and within an urbanized area. No riparian habitat or other sensitive natural community exists on site or within the project vicinity. As such, the project will have no impact on any riparian habitat or other sensitive natural community identified in local or regional plans, policies, and regulations or by California Department of Fish and Wildlife or U.S. Fish and Wildlife Service directly, indirectly, or cumulatively, and no mitigation measures and required.</p>				
<p>c. Have a substantial adverse effect on federally protected wetlands as defined by Section 404 of the Clean Water Act (including, but not limited to, marsh, vernal pool, coastal, etc.) through direct removal, filling, hydrological interruption, or other means?</p>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<p>4.2.4c. Response (Source: City of Riverside 2013 GIS/CADME USGS Quad Map Layer):</p> <p>The proposed project would occur within developed public rights-of-way within an urbanized area. No federally protected wetlands as defined by Section 404 of the Clean Water Act exist within the project area or vicinity. The project site does not contain any discernable drainage courses, inundated areas, wetland vegetation, or hydric soils, and thus does not include U.S. Army Corps of Engineer jurisdictional drainages or wetlands. The proposed project will have no impact to federally protected wetlands either directly, indirectly, or cumulatively, and no mitigation measures are required.</p>				
<p>d. Interfere substantially with the movement of any native resident or migratory fish or wildlife species or with established native resident or migratory wildlife corridors, or impede the use of native wildlife nursery sites?</p>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<p>4.2.4d. Response (Sources: County of Riverside 2007 MSHCP; City of Riverside 2007a Figure OS-7 – MSHCP Cores and Linkages):</p> <p>The project site is within an urbanized area that does not serve as an established wildlife corridor or wildlife nursery. Furthermore, replacement and operation of the light standards in the project area would not interfere with wildlife movement or use of wildlife nursery sites. The proposed project will have no impact on wildlife movement either directly, indirectly, or cumulatively, and no mitigation measures are required.</p>				

Issues (and Supporting Information Sources)	Potentially Significant Impact	Potentially Significant Unless Mitigation Incorporated	Less-Than-Significant Impact	No Impact
e. Conflict with any local policies or ordinances protecting biological resources, such as a tree preservation policy or ordinance?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<p>4.2.4e. Response (Sources: County of Riverside 2007, MSHCP; City of Riverside 2007d, Title 16 of the City's Municipal Code – Section 16.72.040, Title 16 of the City's Municipal Code – Section 16.40.040; City of Riverside 2007e): The City's GP 2025 includes policies to ensure that future development would not conflict with any local policies or ordinances protecting biological resources, including tree preservation policies. This project has been reviewed against these policies and found to be in compliance with the policies. For these reasons, the project will have a less-than-significant impact associated with conflicts with local biological resource protection polices or ordinances directly, indirectly, or cumulatively, and no mitigation measures are required.</p>				
f. Conflict with the provisions of an adopted Habitat Conservation Plan, Natural Community Conservation Plan, or other approved local, regional, or state habitat conservation plan?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<p>4.2.4f. Response (Sources: County of Riverside 2007, MSHCP; City of Riverside 2007a, Figure OS-6 – Stephen's Kangaroo Rat Core Reserves and Other Habitat Conservation Plans): The project is subject to compliance with the Western Riverside MSHCP because the City of Riverside is a Permittee to the MSHCP. The project site is not located in an area subject to Cell Criteria under the MSHCP, and therefore has no conservation requirements toward building out the MSHCP Reserve. The project site does not support any riparian or riverine resources that would be affected by the project, and is therefore compliant with Section 6.1.2 of the MSHCP. Additionally, the project site is not within a Narrow Endemic Plant Species Survey Area per Section 6.1.3 of the MSHCP; a Criteria Area Species Survey Area or Additional Species Survey Area per Section 6.3.2 of the MSHCP; or any other applicable conservation plan. Since no Conservation Areas are near the project site, compliance with Section 6.1.4, Urban–Wildlands Interface Guidelines, is not needed. As such, there project will result in a less-than-significant impact either directly, indirectly, or cumulatively, and no mitigation measures are required.</p>				
<p>4.2.5 Cultural Resources – Would the project:</p>				
a. Cause a substantial adverse change in the significance of a historical resource as defined in § 15064.5?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<p>4.2.5a. Response (Sources: City of Riverside. 2007c, GP 2025 FPEIR Table 5.5-A Historical Districts and Neighborhood Conservation Areas and Appendix D; City of Riverside 2007b, Title 20 of the Riverside Municipal Code): The proposed project involves restoration, rehabilitation, alteration, and demolition of a historical resource as defined under Section 15064.5(a) of the CEQA Guidelines. Per the CEQA Guidelines, the majority of the site and structures affected by the project are considered to be historic resources as they are within the Wood Streets NCA as defined in Title 20 of the Riverside Municipal Code (City of Riverside 2007b). These resources are described in more detail in Response 4.2.1a and are shown in the proposed project plans (Appendix A). The majority of the replacement light standards will be in modified locations and 250 of the 284 light standards will be replaced with 195 more efficient light fixtures and distribution of light for increased safety. A Certificate of Appropriateness application (P15-0344) has been reviewed pursuant to adopted City procedures (Title 20) to determine if the proposed changes would have a significant adverse environmental effect as defined by CEQA. The proposed light replacement is not considered to be a significant change to the features of the cultural landscape of the Wood Streets NCA areas because the original purpose of lighting the streets is being preserved through historically appropriate replacement fixtures and retention of some existing fixtures in a more efficient lighting pattern and electrical system. The existing light fixture locations and appearance are documented in the project plans (Appendix A). Pursuant to this review under case number P15-0344, mitigation measure MM-CUL-1 has been incorporated to require replacing historically significant light standards and luminaires with new designs that match the existing or proposed historically compatible light fixtures, which is intended as referenced in the project description. Existing non-compatible fiberglass light standards will be replaced with more appropriate concrete standards. Additionally, should light fixture replacement activities require tree roots to be removed or trimmed in order</p>				

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<p>to fit in the electrical conduit serving the new lights, and as a result mature neighborhood trees could be impacted, mitigation measure MM-CUL-2 has been incorporated to ensure trees are replaced in the event the trees die. As such, implementation of MM-CUL-1 and MM-CUL-2 will reduce impacts related to historical resources to less-than-significant levels.</p> <p>MM-CUL-1: The City's Historic Preservation Officer or Qualified Designee will review project plans for locations within the Wood Streets NCA during the plan check process to ensure that the light standards which have been damaged or are historically inappropriate are proposed to be replaced by new historically appropriate concrete standards. All existing luminaires shall be replaced with appropriate acrylic acorn luminaires.</p> <p>MM-CUL-2: In the event tree roots associated with City trees along parkways need to be removed or trimmed for the infrastructure installment needed to support the replacement light fixtures, the City's certified arborist shall be consulted to determine how the roots should be cut prior to any cutting or removal of roots and where the replacement tree should be planted. The replacement tree should be of the same kind or as determined historically acceptable by the City's arborist and City's Historic Preservation Officer or Qualified Designee.</p>				
<p>b. Cause a substantial adverse change in the significance of an archaeological resource pursuant to § 15064.5?</p>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<p>4.2.5b. Response (Source: City of Riverside 2007c, Figure 5.5-1 – Archaeological Sensitivity and Figure 5.5-2 – Prehistoric Cultural Resources Sensitivity):</p> <p>The project site has an unknown archaeological sensitivity on the City's GP 2025 FPEIR Figure 5.5-1 and an unknown prehistoric cultural resources sensitivity on the City's GP 2025 FPEIR Figure 5.5-2 (City of Riverside 2007c). Areas classified as unknown are primarily those areas that were urbanized prior to the mid-1970s and may contain buried archaeological deposits dating to the City's prehistoric and historical periods (City of Riverside 2007c). The project area is currently developed and improved within an urbanized area where minimal activities, such as new development involving grading and ground disturbance would occur creating the potential for disturbance to archaeological resources. Trenching will occur where replacement light standards are installed and for new or replacement electrical system equipment including cable, conduit, and some vaults. Due to the previously developed character of the project area, there is minimal potential for the proposed minor ground-disturbing activities to result in archaeological impacts. Standard conditions addressing inadvertent archaeological discoveries will be included in the Certificate of Appropriateness. Therefore, the project will have a less-than-significant impact either directly, indirectly, or cumulatively on archaeological resources pursuant to Section 15064.5 of the CEQA Guidelines, and no mitigation measures are required.</p>				
<p>c. Directly or indirectly destroy a unique paleontological resource or site or unique geologic feature?</p>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<p>4.2.5c. Response (Source: City of Riverside 2007a, Policy HP-1.3 and Policy HP-1.4):</p> <p>The proposed project does not anticipate destroying any paleontological resource or unique geologic feature, given the disturbed nature of the project area. No known paleontological resources have been found on site during any past development. The proposed project entails light replacement within previously developed sidewalks and parkways. Therefore, it is expected that the project will have a less-than-significant impact either directly, indirectly, or cumulatively on paleontological resources, and no mitigation measures are required.</p>				
<p>d. Disturb any human remains, including those interred outside of formal cemeteries?</p>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

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<p>4.2.5d. Response (Source: City of Riverside 2007c, Figure 5.5-1 – Archaeological Sensitivity and Figure 5.5-2 – Prehistoric Cultural Resources Sensitivity; PRC 5097.98; California Health and Safety Code, Sections 7050.5, 7051, 5052, and 7054):</p> <p>The site is not known to be an informal/formal cemetery. The project area is fully developed with an existing residential neighborhood, church, and school. Due to past excavation and fills on the project site, it is highly unlikely that human remains are present. In the unlikely event that human remains are discovered, state and local laws require that the county coroner be notified. PRC 5097.8 addresses the disposition of Native American burials in archaeological sites and protects such remains from disturbance, vandalism, or inadvertent destruction; establishes procedures to be implemented if Native American skeletal remains are discovered during construction of a project; and establishes the Native American Heritage Commission to resolve disputes regarding the disposition of such remains. The proposed project will be required to comply with PRC 5097.98 should any unknown human remains be discovered during site disturbance. Additionally, Sections 7050.5, 7051, 5052, and 7054 of the Health and Safety Code collectively address the illegality of interference with human burial remains, as well as the disposition of Native America burials in archaeological sites. The law protects such remains from disturbance, vandalism, or inadvertent destruction, and establishes procedures to be implemented if Native American skeletal remains are discovered during construction of a project, including the treatment of remains prior to, during, and after evaluation, and reburial procedures. As such, the project will have a less-than-significant impact either directly, indirectly, or cumulatively on human remains, and no mitigation measures are required.</p>				
<p>4.2.6 Geology and Soils – Would the project:</p>				
<p>a. Expose people or structures to potential substantial adverse effects, including the risk of loss, injury, or death involving:</p>				
<p>i. Rupture of a known earthquake fault, as delineated on the most recent Alquist-Priolo Earthquake Fault Zoning Map issued by the State Geologist for the area or based on other substantial evidence of a known fault? Refer to Division of Mines and Geology Special Publication 42.</p>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<p>4.2.6a.i. Response (Sources: DOC 2007; City of Riverside 2007c, Figure 5.6-2 – Faults and Fault Zones; City of Riverside 2007a, Figure PS-1 – Regional Fault Zones):</p> <p>The project site is not within an Alquist-Priolo Earthquake Fault Zone (DOC 2007). However, the City is located in a region with several active fault lines. The project site is located approximately 8 miles from the San Jacinto Fault Zone and approximately 14 miles from the Elsinore Fault Zone, two of the closest mapped fault zones to the City of Riverside.</p> <p>The site is not within a fault hazard zone and the potential for fault rupture is low. In the event of rupture, installation of new light standards within the public rights-of-way would not be likely to expose people or structures to damage. The proposed project would be required to meet California Building Code (CBC) standards, which would ensure the project would meet current seismic safety regulations. Therefore, the project will have a less-than-significant impact either directly, indirectly, or cumulatively, and no mitigation measures are required.</p>				
<p>ii. Strong seismic ground shaking?</p>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<p>4.2.6a.ii. Response (Source: City of Riverside 2007c, Figure 5.6-2 – Faults and Fault Zones):</p> <p>According to the City’s GP 2025 FPEIR, Appendix E, “the effect of an earthquake originating on any given fault will depend primarily upon its distance from the project site and the size earthquake (amount of energy release) that the fault is likely to generate. In general, the more distant the fault is and the smaller the potential earthquake, the less effect” (City of Riverside 2007c). The project site is located approximately 8 miles from the San Jacinto Fault Zone and approximately 14 miles from the Elsinore Fault Zone, two of the closest mapped fault zones to the City of Riverside. Because the project site is in proximity to known active or potentially active faults, the site could be subjected to significant ground shaking caused by earthquakes. Proper engineering design and installation in conformance with CBC standards would ensure that seismic ground shaking will result in less-than-significant impacts either directly,</p>				

Issues (and Supporting Information Sources)	Potentially Significant Impact	Potentially Significant Unless Mitigation Incorporated	Less-Than-Significant Impact	No Impact
indirectly, or cumulatively. No mitigation measures are required.				
iii. Seismic-related ground failure, including liquefaction?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<p>4.2.6a.iii. Response (Sources: City of Riverside 2007c, Figure 5.6-2 – Faults and Fault Zones and Figure 5.6-3 – Generalized Liquefaction Zones; City of Riverside 2007a, Figure PS-1 – Regional Fault Zones, Figure PS-2 – Liquefaction Zones, and Public Safety Element):</p> <p>According to Figure PS-1 of the City’s GP 2025, the project site is not located on or near an earthquake fault or fault zone (City of Riverside 2007a). The nearest known earthquake fault is located approximately 8 miles from the project site. Figure PS-2 of the City’s GP 2025 depicts the project site being within low and moderate liquefaction zones (City of Riverside 2007a). Impacts related to ground failure such as from liquefaction are considered less than significant due to the fact that the new lighting standards being proposed by the project will all be designed to CBC standards to anticipate impacts associated with seismic-related ground failure. No mitigation measures are required.</p>				
iv. Landslides?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<p>4.2.6a.iv. Response (Sources: City of Riverside 2007c, Geology and Soils and Figure 5.6-1 – Areas Underlain by Steep Slopes; City of Riverside 2007a, Public Safety Element):</p> <p>The Geology and Soils section of the City’s GP 2025 FPEIR states that “areas of high susceptibility to seismically induced landslides and rockfalls correspond to steep slopes in excess of 30 percent” (City of Riverside 2007c). Figure 5.6-1 of the City’s GP 2025 FPEIR indicates that the project area is located on land identified as having a 0% to 10% slope, which is the lowest of the four potential categories (City of Riverside 2007c). Additionally, because the project site is relatively level under existing conditions and the proposed project would not change ground elevations at the project site, the proposed project would be unlikely to be susceptible to landslides. Therefore, the project will have a less-than-significant impact either directly, indirectly, or cumulatively, and no mitigation measures are required.</p>				
b. Result in substantial soil erosion or the loss of topsoil?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<p>4.2.6b. Response (Source: City of Riverside 2007c, Figure 5.6-1 – Areas Underlain by Steep Slopes):</p> <p>According to Figure 5.6-1 of the City’s GP 2025 FPEIR, the project site is located in a region identified as having a 0% to 10% slope, the lowest category of slope identified on that figure (City of Riverside 2007c). Construction activities such as minor excavation and grading may have the potential to cause soil erosion or the loss of topsoil; however, the City implements best management practices under the special provisions on every contract during construction, which would include, but not be limited to, gravel/sand bags to prevent off-site sedimentation, dust abatement measures to minimize fugitive dust, removal of soil tracked onto paved surfaces, and avoiding construction activities during periods of inclement weather. The project would not involve substantial grading or earthmoving activities that could result in erosion, nor would operation of the proposed light standards result in erosion or loss of topsoil. Limited trenching for electrical lines would be required as part of the proposed project. Therefore, the project will have a less-than-significant impact either directly, indirectly, or cumulatively, and no mitigation measures are required.</p>				
c. Be located on a geologic unit or soil that is unstable, or that would become unstable as a result of the project, and potentially result in on- or off-site landslide, lateral spreading, subsidence, liquefaction, or collapse?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<p>4.2.6c. Response (Sources: City of Riverside 2007a, Figures PS-1 – Regional Fault Zones, PS-2 – Liquefaction Zones, and PS-3 – Soils with High Shrink-Swell Potential; City of Riverside 2007c, Figure 5.6-1 – Areas Underlain by Steep Slope):</p> <p>According to Figure PS-1 of the City’s GP 2025, the nearest fault zone is located approximately 8 miles from the project site. Figure PS-2 of the City’s GP 2025 indicates that the project site is located within low and moderate liquefaction zones. Figure PS-3 of GP 2025 indicates that the project site is not located in an area with soils identified as having a high shrink-swell potential (City of Riverside 2007a). The project site is not located in an area with steep</p>				

Issues (and Supporting Information Sources)	Potentially Significant Impact	Potentially Significant Unless Mitigation Incorporated	Less-Than-Significant Impact	No Impact
<p>slopes that could result in a landslide, as indicated on Figure 5.6-1 of the City's GP 2025 FPEIR (City of Riverside 2007c). The project would not result in soil instability, as installation and operation of the proposed light replacement standards would not require significant grading or earthmoving activities. Limited trenching would be required for electrical lines; however, trenching would be minor and would not cause soil instability. Therefore, the project site is not considered to be susceptible or located on a site that is unstable. The project will have a less-than-significant impact either directly, indirectly, or cumulatively, and no mitigation measures are required.</p>				
<p>d. Be located on expansive soil, as defined in Table 18-1-B of the Uniform Building Code (1994), creating substantial risks to life or property?</p>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<p>4.2.6d. Response (Sources: City of Riverside 2007a, Figure PS-3 – Soils with High Shrink-Swell Potential; City of Riverside 2007c): Soils containing high clay content often exhibit a relatively high potential to expand when saturated and to contract when dried out. Figure PS-3 of the City's GP 2025 indicates that the project site is not located in an area with soils that have a high shrink-swell potential, thereby substantially reducing the potential for adverse impacts related to being located on expansive soils (City of Riverside 2007a). As such, the project will have a less-than-significant impact either directly, indirectly, or cumulatively, and no mitigation measures are required.</p>				
<p>e. Have soils incapable of adequately supporting the use of septic tanks or alternative waste water disposal systems where sewers are not available for the disposal of waste water?</p>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<p>4.2.6e. Response (Source: Proposed Project) The project consists of the installation of light replacement fixtures and would not generate wastewater requiring disposal. Therefore, the project would have no impact either directly, indirectly, or cumulatively on septic tanks or alternative wastewater disposal systems. No mitigation measures are required.</p>				
<p>4.2.7 Greenhouse Gas Emissions – Would the project:</p>				
<p>a. Generate greenhouse gas emissions, either directly or indirectly, that may have a significant impact on the environment?</p>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<p>4.2.7a. Response (Source: Proposed Project): The project proposes to replace the luminaires of 250 existing light standards. The replacement luminaires would include internal LED light bulbs. Replacements of the street light standards in the project area are currently outfitted with 100-watt HPS bulbs. Replacement of these 100-watt HPS bulbs with a 66-watt equivalent LED bulb would reduce energy use by approximately 34% per light standard. A 22-watt LED bulb is being developed; if it meets the City standards it may be used in residential areas. It will not affect the proposed street light locations. The proposed project would not result in a net increase in Greenhouse Gas (GHG) emissions due to the minimal need for GHG-producing equipment during installation, replacement of new conduit/cables, and the installation of new light standards with energy efficient LED bulbs. The project would also comply with the City's General Plan policies and CBC requirements designed to reduce GHG emissions. Because the project would not result in a net increase in GHG emissions, it would not interfere with GHG emissions reductions measures set forth in Assembly Bill 32 and Executive Order S-3-05. Therefore, the project will have a less-than-significant impact on GHG emissions, and no mitigation measures are required.</p>				
<p>b. Conflict with an applicable plan, policy, or regulation adopted for the purpose of reducing the emissions of greenhouse gases?</p>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<p>4.2.7b. Response (Source: City of Riverside 2007c, Section 5.3): See Response 4.2.7a. SCAQMD supports state, federal, and international policies to reduce levels of ozone-depleting</p>				

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gases through its Global Warming Policy and rules. The SCAQMD has established an interim GHG threshold to promote compliance with these policies. As discussed in Response 4.2.7a, the project would not generate a net increase in GHG emissions as the proposed LED bulbs would result in energy reduction and would comply with the City's GP policies and CBC regulations designed to reduce GHG emissions. Therefore, the project will have a less-than-significant impact on compliance with policies designed to reduce GHG emissions. No mitigation measures are required.				
4.2.8 Hazards and Hazardous Emissions – Would the project:				
a. Create a significant hazard to the public or the environment through the routine transport, use, or disposal of hazardous materials?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
4.2.8a. Response (Source: Proposed Project): The proposed project, which includes the replacement and operation of historic light standards, would not require the transport, use, or disposal of hazardous materials. The old light fixtures would be transported by the contractor, once Riverside Public Utilities (RPU) deems them as removed & abandoned per our UGS specifications standard 2-6. The street light standard becomes property of the contractor and shall remove from the site. Therefore, the project will have no impact directly, indirectly, or cumulatively associated with hazardous material use. No mitigation measures are required.				
b. Create a significant hazard to the public or the environment through reasonably foreseeable upset and accident conditions involving the release of hazardous materials into the environment?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
4.2.8b. Response (Source: City of Riverside 2007a, Public Safety Element): Please refer to Response 4.2.8a. The proposed project would not require the use of hazardous materials and would comply with the policies set forth in the Public Safety Element of the City's GP 2025 related to hazardous materials. The project will have no impact either directly, indirectly, or cumulatively on accidental release of hazardous materials. No mitigation measures are required.				
c. Emit hazardous emissions or handle hazardous or acutely hazardous materials, substances, or waste within one-quarter mile of an existing or proposed school?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
4.2.8c. Response (Source: City of Riverside 2007c, Section 5.7, Figure 5.13-2 – Riverside Unified School District Boundaries, Figure 5.13-3 – Alford Unified School District Boundaries, Table 5.13-D, Table 5.13-E, Figure 5.13-4 – Other School District Boundaries): There are four schools within one-quarter mile of the project. Magnolia Elementary School and Champions Before-and After- School Program facility are within the southern project site boundaries. First Methodist Church Pre School, Eden Lutheran Pre-School, Central Middle School, All Saints Carden Academy, First Five Pre-School and Riverside City College are located north of the project site. California Southern Law, First Christian Church nursery, and The Growing Place child development center are located south of the project site. The project is the replacement of existing historic light standards with historically appropriate light standards. The project would not require the use of hazardous materials or create hazardous emissions that would create a risk the area schools. Therefore, the project will have no impact directly, indirectly, or cumulatively associated with hazardous materials use near schools. No mitigation measures are required.				
d. Be located on a site which is included on a list of hazardous materials sites compiled pursuant to Government Code Section 65962.5 and, as a result, would it create a significant hazard to the public or the environment?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
4.2.8d. Response (Sources: DTSC 2007; City of Riverside 2007c, Figures 5.7-1 – Hazardous Waste Sites, 5.7-2 – Airport Safety and Compatibility Zones, 5.7-3 – Fire Hazard Areas, Tables 5.7-A 5.7-B, and 5.7-C): Government Code Section 65962.5 combines several regulatory lists of sites that may pose a hazard related to hazardous				

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materials or substances. According to Government Code, Section 65962.5(a), there are no hazardous materials or waste sites located on the project site or near the project site. Additionally, according to Figure 5.7-1 of the City's GP 2025 FPEIR, there are no known hazardous waste sites within the project site (City of Riverside 2007c). Because no active hazardous materials sites exist on site, the project would not create a hazard to the public or the environment. As such, the project will have no impact either directly, indirectly, or cumulatively, and no mitigation measures are required.				
e. For a project located within an airport land use plan or, where such a plan has not been adopted, within two miles of a public airport or public use airport, would the project result in a safety hazard for people residing or working in the project area?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
4.2.8e. Response (Source: City of Riverside 2007c, Figure 5.7-2 – Airport Safety and Compatibility Zones): Part of the project site is located within Compatibility Zone “Other Airport Environs” of the Riverside Municipal Airport. Only uses that would be hazards to flight (such as tall structures) are prohibited within this zone. The project would not generate any additional residents or employees in the project area. Therefore, the project will have no impact either directly, indirectly, or cumulatively on safety hazards associated with airport uses. No mitigation measures are required.				
f. For a project within the vicinity of a private airstrip, would the project result in a safety hazard for people residing or working in the project area?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
4.2.8f. Response (Source: City of Riverside 2007a, Figure PS-6 – Airport Land Use Compatibility Zones and Influence Areas): There are no private airstrips in the project vicinity; therefore, the proposed project would not result in a safety hazard for people residing or working in the project area. Thus, the project will have no impact either directly, indirectly, or cumulatively, and no mitigation measures are required.				
g. Impair implementation of or physically interfere with an adopted emergency response plan or emergency evacuation plan?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
4.2.8g. Response (Sources: City of Riverside 2007c, Chapter 5.7; City of Riverside 2006) The proposed project shall comply with the City's Emergency Operations Plan. The project would result in minimal physical alterations to the project site and as such would have no impact on the implementation of an adopted emergency plan.				
h. Expose people or structures to a significant risk of loss, injury, or death involving wildland fires, including where wildlands are adjacent to urbanized areas or where residences are intermixed with wildlands?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
4.2.8h. Response (Source: City of Riverside 2007c, Figure 5.7-3 – Fire Hazard Areas): According to Figure 5.7-3 of the City's GP 2025 FPEIR, the project site is not within a fire hazard area. Additionally, the project site would occur within a developed area. Therefore, the risk of a large, high-intensity fire impacting the site is very low. The project will have a less-than-significant impact either directly, indirectly, or cumulatively, and no mitigation measures are required.				
4.2.9 Hydrology and Water Quality – Would the project:				
a. Violate any water quality standards or waste discharge requirements?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
4.2.9a. Response (Source: City of Riverside 2007c, Table 5.8-A): The proposed project is located within the Santa Ana River Watershed. The project would result in minimal physical alterations to the project site (including earthmoving activities, grading, or paving) and would not involve any operational components that would affect water quality or be subject to water quality standards or waste discharge requirements. The				

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<p>project will have no impact associated with violation of water quality standards or waste discharge requirements, and no mitigation measures are required.</p>				
<p>b. Substantially deplete groundwater supplies or interfere substantially with groundwater recharge such that there would be a net deficit in aquifer volume or a lowering of the local groundwater table level (e.g., the production rate of pre-existing nearby wells would drop to a level which would not support existing land uses or planned uses for which permits have been granted)?</p>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<p>4.2.9b. Response (Source: City of Riverside 2007a Tables PF-1, PF-2, PF-3, Riverside Public Utilities Map of Water Supply Basins, RPU 2007 – RPU UWMP, WMWD 2011 – WMWD UWMP): The project site is located within the Riverside South Supply Basin. The project would not alter the amount of impervious groundcover or otherwise cause physical alterations to the project site that could potentially deplete groundwater supplies or interfere with groundwater recharge. The project will have a less-than-significant impact either directly, indirectly, or cumulatively on groundwater supply, and no mitigation measures are required.</p>				
<p>c. Substantially alter the existing drainage pattern of the site or area, including through the alteration of the course of a stream or river, in a manner which would result in substantial erosion or siltation on or off site?</p>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<p>4.2.9c. Response (Source: Proposed Project): The proposed project would result in minimal physical alterations to the project site (including earthmoving activities, grading, or paving), which is currently fully improved and developed. Replacement and operation of historic light standards in this setting will have a less-than-significant impact on existing drainage patterns and would not result in siltation or erosion on or off site. No mitigation measures are required.</p>				
<p>d. Substantially alter the existing drainage pattern of the site or area, including through the alteration of the course of a stream or river, or substantially increase the rate or amount of surface runoff in a manner which would result in flooding on- or off-site?</p>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<p>4.2.9d. Response (Source: Proposed Project): See response 4.2.9c.</p>				
<p>e. Create or contribute runoff water which would exceed the capacity of existing or planned stormwater drainage systems or provide substantial additional sources of polluted runoff?</p>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<p>4.2.9e. Response (Source: Proposed Project): The proposed replacement and operation of historic light standards would result in minimal physical alterations to the fully developed project site. The project would not create or contribute runoff water. The project will have a less-than-significant impact on runoff water. No mitigation measures are required.</p>				
<p>f. Otherwise substantially degrade water quality?</p>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<p>4.2.9f. Response (Source: Proposed Project): There are no other sources or characteristics of the project that would substantially degrade water quality. Impacts are considered to be less than significant, and no mitigation measures are required.</p>				
<p>g. Place housing within a 100-year flood hazard area as mapped on a federal Flood Hazard Boundary or Flood Insurance Rate Map or other flood hazard delineation map?</p>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

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4.2.9g. Response (Source: City of Riverside 2007c, Figure 5.8-2 – Flood Hazard Areas): The project site is not located within a 100-year flood hazard area. The project does not propose the development of housing. Therefore, no impact will result either directly, indirectly, or cumulatively, and no mitigation measures are required.				
h. Place within a 100-year flood hazard area structures which would impede or redirect flood flows?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
4.2.9h. Response (Source: City of Riverside 2007c, Figure 5.8-2 – Flood Hazard Areas): The project site is not located within a 100-year flood hazard area. Therefore, the proposed project would not place structures within a 100-year flood hazard area. No impact will result either directly, indirectly, or cumulatively, and no mitigation measures are required.				
i. Expose people or structures to a significant risk of loss, injury, or death involving flooding, including flooding as a result of the failure of a levee or dam?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
4.2.9i. Response (Source: City of Riverside 2007c, Figure 5.8-2 – Flood Hazard Areas): The project site is not within a flood zone or area subject to dam inundation as depicted on the City's GP 2025 FPEIR Figure 5.8-2, Flood Hazard Areas. Thus, the project will not place a structure within a flood hazard area or dam inundation area that would expose people or structures to a significant risk of loss, injury, or death involving flooding, including flooding as a result of a levee or dam. Therefore, no impact directly, indirectly, or cumulatively will occur, and no mitigation measures are required.				
j. Inundation by seiche, tsunami, or mudflow?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
4.2.9j. Response (Source: City of Riverside 2007c, Chapter 5.8, Figure 5.8-2 – Flood Hazard Areas): A seiche is a to-and-fro vibration of an enclosed water body that is similar to the slopping of water in a basin. Seiches are often triggered by earthquakes. Tsunamis are tidal waves that occur in coastal areas. The project site is located approximately 1.6 miles southwest of Lake Evans, which could be subject to seiche. However, since the project area is not located downslope of any large bodies of water that could adversely affect the site in the event of earthquake-induced seiches. The project site is not located near any coastal areas, which are subject to tsunamis. The project site is located approximately 37 miles inland from the Pacific Ocean and at an elevation of around 830 feet above mean sea level. The risk of a tsunami affecting the project area is low. The project site is located near the Santa Ana River, which is not subject to significant mudflows since there are no slopes or mountainous areas that would contribute to mudflow risks. Given the project's location and since there are no features nearby that would pose a threat from seiche, tsunami, or mudflow, this impact is considered less than significant directly, indirectly, or cumulatively, and no mitigation measures are required.				
4.2.10 Land Use and Planning – Would the project:				
a. Physically divide an established community?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
4.2.10a. Response (Source: Proposed Project): The project proposes to replace existing historic light standards with historically appropriate light standards and replica replacement luminaires in a fully developed and improved neighborhood. The project does not include the construction of structures or the subdivision of land. As such, the project would have no impact directly, indirectly, or cumulatively regarding physically dividing an established community. No mitigation measures are required.				
b. Conflict with any applicable land use plan, policy, or regulation of an agency with jurisdiction over the project (including, but not limited to the general plan, specific plan, local coastal program, or zoning ordinance) adopted for the purpose of avoiding or mitigating an environmental effect?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
4.2.10b. Response (Sources: City of Riverside 2007a, Zoning Map and Land Use Policy Map; City of Riverside 2007c): The site is designated MDR – Medium Density Residential, C – Commercial, and PF – Public Facilities/Institutional and is zoned R-1-7000 – Single Family Residential, CR – Commercial Retail, and PF – Public Facilities. The project consists of the replacement of existing historic light standards with historically appropriate light standards and replica				

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replacement luminaries within the public rights-of-way. The project would be consistent with the City's GP 2025 and Title 20 of the Riverside Municipal Code for Historic Districts and Neighborhood Conservation Areas. As such, the project will have a less-than-significant impact on applicable land use plans, policies, and regulations, and no mitigation measures are required.				
c. Conflict with any applicable habitat conservation plan or natural community conservation plan?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
4.2.10c. Response (Source: County of Riverside 2007 MSHCP): The project is subject to compliance with the Western Riverside MSHCP, because the City of Riverside is a Permittee to the MSHCP. The project site is not located in an area subject to Cell Criteria under the MSHCP, and therefore has no conservation requirements toward building out the MSHCP Reserve. The project site does not support any riparian or riverine resources that would be affected by the project, and is therefore compliant with Section 6.1.2 of the MSHCP. Additionally, the project site is not within a Narrow Endemic Plant Species Survey Area per Section 6.1.3 of the MSHCP; a Criteria Area Species Survey Area or Additional Species Survey Area per Section 6.3.2 of the MSHCP; or any other applicable conservation plan. Since no Conservation Areas are near the project site, compliance with Section 6.1.4, Urban-Wildlands Interface Guidelines, is not needed. As such, there project will result in a less-than-significant impact either directly, indirectly, or cumulatively, and no mitigation measures are required.				
4.2.11 Mineral Resources – Would the project:				
a. Result in the loss of availability of a known mineral resource that would be of value to the region and the residents of the state?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
4.2.11a. Response (Source: City of Riverside 2007a, Figure OS-1 – Mineral Resources): The proposed project lies within Mineral Resource Zone 3 (MRZ-3) as depicted on Figure OS-1 of the City's GP 2025 (City of Riverside 2007a), indicating that the area contains known or inferred mineral occurrences of undetermined mineral resources significance. However, the project site has been previously disturbed and is developed with existing sidewalks and public rights-of-way that serve the Wood Streets residential neighborhood. The project does not involve extraction of mineral resources or grading activity. There is no historical use of the site or surrounding area for mineral extraction purposes. Based on the MRZ-3 designation and given that the site is currently developed, the proposed project would not result in the loss of a known mineral resource. As such, the project will have no impact on mineral resources directly, indirectly, or cumulatively, and no mitigation measures are required.				
b. Result in the loss of availability of a locally important mineral resource recovery site delineated on a local general plan, specific plan, or other land use plan?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
4.2.11b. Response (Sources: City of Riverside 2007a, Figure OS-1 – Mineral Resources; City of Riverside 2007c): The proposed project lies within MRZ-3 as depicted on Figure OS-1 of the City's GP 2025 (City of Riverside 2007a), indicating that the area contains known or inferred mineral occurrences of undetermined mineral resources significance. The project site has been previously disturbed and is developed with existing sidewalks and public rights-of-way that serve the Wood Streets residential neighborhood. The City's GP 2025 FPEIR determined that there are no specific areas within the City or Sphere Area, including the project site, which has locally important mineral resource recovery sites (City of Riverside 2007c). Therefore, implementation of the project would not significantly preclude the ability to extract state-designated resources. Therefore, there will be no impact on the availability of mineral resource sites, either directly, indirectly, or cumulatively, and no mitigation measures are required.				
4.2.12 Noise – Would the project result in:				
a. Exposure of persons to or generation of noise levels in excess of standards established in the local general plan or noise ordinance, or applicable standards of other agencies?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

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<p>4.2.12a. Response (Sources: City of Riverside 2007f; City of Riverside 2007c, Figure 5.11-6 – 2025 Roadway Noise, and Table 5.11-I): Noise levels are regulated by the City’s Municipal Code, Title 7 (City of Riverside 2007f). The proposed project does not involve activities or uses during installation or operation that would substantially increase ambient noise levels. The installation process could generate short-term, temporary noise. However, noise associated with the installation of the proposed light standards and luminaries would be subject to the standards set forth in the City’s Municipal Code Section 7.35.010, which limits construction noise to 7:00 a.m. to 7:00 p.m. on weekdays and 8:00 a.m. to 5:00 p.m. on Saturdays. Therefore, the project would have a less-than-significant impact directly, indirectly, or cumulatively on exposure of persons to noise levels or generation of noise levels in excess of applicable standards. No mitigation measures are required.</p>				
<p>b. Exposure of persons to or generation of excessive groundborne vibration or groundborne noise levels?</p>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<p>4.2.12b. Response (Source: City of Riverside 2007c, Table 5.11-G): The proposed project would not involve substantial earthwork that would result in substantial groundborne vibration or noise levels. The project would involve the temporary and intermittent use of construction equipment for various construction activities. There would be no operational or maintenance activities that would include vibration. The project would not require the use of blasting that would cause excessive groundborne vibration or noise. The project will utilize standard construction equipment such as a small crane which is not typically a source of excessive groundborne vibration. Therefore, the project will have a less-than-significant impact directly, indirectly, or cumulatively on groundborne vibration, and no mitigation measures are required.</p>				
<p>c. A substantial permanent increase in ambient noise levels in the project vicinity above levels existing without the project?</p>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<p>4.2.12c. Response (Sources: City of Riverside 2007f; City of Riverside 2007c, Section 5.11): The project consists of the replacement of existing light standards with historically appropriate light standards. Thus, the proposed project does not involve uses or activities that would result in a substantial permanent increase ambient noise levels in the project vicinity above levels existing without the project. As such, the project will have a less-than-significant impact directly, indirectly, or cumulatively, and no mitigation measures are required.</p>				
<p>d. A substantial temporary or periodic increase in ambient noise levels in the project vicinity above levels existing without the project?</p>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<p>4.2.12d. Response (Source: City of Riverside 2007c, Table 5.11-J): The primary source of temporary or periodic noise associated with the proposed project would be from installation activity and maintenance work. Both the General Plan 2025 and the Municipal Code Title 7 (Noise Code) limit construction activities to specific times and days of the week. Noise associated with the installation of the proposed light standards and luminaries would be subject to the standards set forth in the City’s Municipal Code Section 7.35.010, which limits construction noise to 7:00 a.m. to 7:00 p.m. on weekdays and 8:00 a.m. to 5:00 p.m. on Saturdays. Considering the short-term nature of installation and the provisions of the Noise Code, the temporary and periodic increase in noise levels due to installation which may result from the project are considered less than significant. No mitigation measures are required.</p>				
<p>e. For a project located within an airport land use plan or, where such a plan has not been adopted, within two miles of a public airport or public use airport, would the project expose people residing or working in the project area to excessive noise levels?</p>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Issues (and Supporting Information Sources)	Potentially Significant Impact	Potentially Significant Unless Mitigation Incorporated	Less-Than-Significant Impact	No Impact
<p>4.2.12e. Response (Source: City of Riverside 2007c, Figures N-8 – Riverside and Flabob Airport Noise Contours, N-9 – March ARB Noise Contour, N-10 – Noise/Land Use Noise Compatibility Criteria): See discussion under Response 4.2.8e. Part of the project site is located within Compatibility Zone “Other Airport Environs” of the Riverside Municipal Airport. Only uses that would be hazards to flight (such as tall structures) are prohibited within this zone. There are no regulations related to noise-sensitivity or adverse noise impacts associated with this compatibility zone. The project would not add residents or employees to the project area. For these reasons, the project will have a less-than-significant impact directly, indirectly, or cumulatively related to airport noise exposure, and no mitigation measures are required.</p>				
<p>f. For a project within the vicinity of a private airstrip, would the project expose people residing or working in the project area to excessive noise levels?</p>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<p>4.2.12f. Response (Source: City of Riverside 2007a, Figure 5.7-2 – Airport Safety and Compatibility Zones): There are no private airstrips in the project vicinity; therefore, the proposed project would not expose people residing or working in the project area to excessive noise levels. Thus, the project will have no impact either directly, indirectly, or cumulatively, and no mitigation measures are required.</p>				
<p>4.2.13 Population and Housing – Would the project:</p>				
<p>a. Induce substantial population growth in an area, either directly (for example, by proposing new homes and businesses) or indirectly (for example, through extension of roads or other infrastructure)?</p>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<p>4.2.13a. Response (Sources: City of Riverside 2013, CADME Land Use Layer; Proposed Project): The project is located within an urbanized area and does not include new homes or businesses that would directly induce substantial population growth, and does not involve the addition of new roads or infrastructure that would indirectly induce substantial population growth. The proposed project would include the replacement and operation of historic light standards within public rights-of-ways of a currently developed residential neighborhood. Therefore, the project will have no impact on population growth either directly, indirectly, or cumulatively, and no mitigation measures are required.</p>				
<p>b. Displace substantial numbers of existing housing, necessitating the construction of replacement housing elsewhere?</p>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<p>4.2.13b. Response (Sources: City of Riverside 2013, CADME Land Use Layer; Proposed Project): The project is the replacement of existing light standards with historically accurate light standards and replica luminaires within public rights-of-way. Therefore, the project will not displace existing housing, necessitating the construction of replacement housing elsewhere because the project is proposed on public rights-of-way that have no existing housing that will be removed or affected by the proposed project. As such, there will be no impact on the displacement of housing either directly, indirectly, or cumulatively, and no mitigation measures are required.</p>				
<p>c. Displace substantial numbers of people, necessitating the construction of replacement housing elsewhere?</p>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<p>4.2.13c. Response (Sources: City of Riverside 2013, CADME Land Use Layer; Proposed Project): The project is the replacement of existing light standards with historically accurate light standards and replica luminaires within the public rights-of-way. Therefore, the project will not displace people necessitating the construction of replacement housing elsewhere because the project area is proposed on public rights-of-way that have no existing housing or residents that will be removed or affected by the proposed project. As such, the project will have no impact on the displacement of people either directly, indirectly, or cumulatively, and no mitigation measures are required.</p>				

Issues (and Supporting Information Sources)	Potentially Significant Impact	Potentially Significant Unless Mitigation Incorporated	Less-Than-Significant Impact	No Impact
4.2.14 Public Services – Would the project:				
14. Result in substantial adverse physical impacts associated with the provision of new or physically altered governmental facilities, need for new or physically altered governmental facilities, the construction of which could cause significant environmental impacts, in order to maintain acceptable service ratios, response times or other performance objectives for any of the public services:				
a. Fire protection?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
4.2.14a. Response (Source: City of Riverside 2007c, Table 5.13-B – Fire Station Locations, Table 5.13-C – Riverside Fire Department Statistics and Ordinance): Adequate fire facilities and services are provided by Stations 1 (3420 Mission Inn Avenue) and 3 (6395 Riverside Avenue). The project would replace existing light standards on public rights-of-way and would not result in the intensification of land use on the project site. Since the proposed project is not changing the land uses within the project boundary, fire services and fire needs evaluated in the City's GP 2025 would not change as a result of the project, and thus would not require the need for additional fire protection services. Additionally, the proposed project would be required to comply with the requirements of the City's Fire Department and Uniform Fire Code. Therefore, the proposed project will not result in new facilities related to fire services. There will be no impact on the demand for additional police facilities or services either directly, indirectly, or cumulatively, and no mitigation measures are required.				
b. Police protection?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
4.2.14b. Response (Sources: City of Riverside 2007a, Figure PS-8 – Neighborhood Policing Centers; City of Riverside 2007c): The project site is located within City's North Policing Center. Orange Police Station and Fairmount Police Station are located within the North Policing Center. Since the proposed project is not changing the land uses within the project boundary, police services and needs evaluated in the City's GP 2025 would not change as a result of the project. The lighting materials will be properly secured during the light replacement activities; however, there is always the possibility of theft. Priority 2 calls are non-life threatening and include incidents such as burglary, petty theft, and shoplifting (City of Riverside 2007c). Police officers strive to respond within 12 minutes to Priority 2 calls. Since the project would not intensify land use within the project site and since the contractor is responsible for all materials including replacement of stolen material during short-term light replacement activities until the project is completed and becomes City property, the proposed project is not expected to result in new facilities that would be needed to serve the proposed project. Therefore, the project will have a less-than-significant impact on the demand for additional police protection either directly, indirectly, or cumulatively, and no mitigation measures are required.				
c. Schools?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
4.2.14c. Response (Source: City of Riverside 2007c, Figure 5.13-2 – Riverside Unified School District Boundaries, Tables 5.13-D): The project site is located within the Riverside Unified School District. There are four schools within one-quarter mile of the project. Magnolia Elementary School and Champions Before- and After-School Program facility are within the southern project site boundaries. First Methodist Church Pre-school, Eden Lutheran Pre-School, Central Middle School All Saints Carden Academy, First Five Pre School and Riverside City College are located north of the project site. California Southern Law, First Christian Church nursery, and The Growing Place child development center are located south of the project site. The proposed project does not include new housing and thus would not generate an increase in resident population requiring additional school facilities and services. Therefore, the project will have no impact on school facilities or service either directly, indirectly, or cumulatively, and no mitigation measures are required.				
d. Parks?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Issues (and Supporting Information Sources)	Potentially Significant Impact	Potentially Significant Unless Mitigation Incorporated	Less-Than-Significant Impact	No Impact
4.2.14d. Response (Sources: City of Riverside 2007a, Figure PR-1 – Parks, Open Spaces and Trails, Table PR-1 – Park and Recreation Facilities; Proposed Project)				
The project does not propose residential uses and therefore would not be expected to result in an increased demand for parks. Therefore, there will be no impact on the demand for additional recreational or park facilities either directly, indirectly, or cumulatively, and no mitigation measures are required.				
e. Other public facilities?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
4.2.14e. Response (Source: Proposed Project): No other public facilities or services other than police and fire protection are anticipated to serve the proposed project. Therefore, there will be no impact on the demand for other public facilities or services either directly, indirectly, or cumulatively, and no mitigation measures are required.				
4.2.15 Recreation				
a. Would the project increase the use of existing neighborhood and regional parks or other recreational facilities such that substantial physical deterioration of the facility would occur or be accelerated?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
4.2.15a. Response (Source: Proposed Project): The proposed project would replace existing historic light standards with historically accurate light standards and replica luminaires. The proposed project would not include new homes or businesses that would increase the use of existing parks or recreational facilities and thus no deterioration of existing facilities would occur. Therefore, there will be no impact on recreational facilities either directly, indirectly, or cumulatively, and no mitigation measures are required.				
b. Does the project include recreational facilities or require the construction or expansion of recreational facilities which might have an adverse physical effect on the environment?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
4.2.15b. Response (Source: Proposed Project): Please refer to response 4.2.15a. The project does not propose to construct or expand recreational facilities. Therefore, there will be no impact on recreational facilities either directly, indirectly, or cumulatively, and no mitigation measures are required.				
4.2.16 Transportation/Traffic – Would the project:				
a. Conflict with an applicable plan, ordinance, or policy establishing measures of effectiveness for the performance of the circulation system, taking into account all modes of transportation including mass transit and non-motorized travel and relevant components of the circulation system, including but not limited to intersections, streets, highways and freeways, pedestrian and bicycle paths, and mass transit?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
4.2.16a. Response (Sources: City of Riverside 2007a, Figure CCM-4; City of Riverside 2007c, Figure 5.15-4, Tables 5.15-D, 5.15-H, 5.15-I, 5.15-J, 5.15-K; SCAG 2012 Regional Transportation Plan):				
The project is the replacement of existing light standards with historically appropriate light standards and replica luminaires within a developed area. No increase in the intensity of land use or substantial increase in traffic would occur as a result of the project. There would be two construction vehicles – one small crane and one truck - at a given time during the light replacement activities. The project will have no impact on local or regional transportation planning, and no mitigation measures are required.				
b. Conflict with an applicable congestion management program, including but not limited to level of service	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Issues (and Supporting Information Sources)	Potentially Significant Impact	Potentially Significant Unless Mitigation Incorporated	Less-Than-Significant Impact	No Impact
standards and travel demand measures, or other standards established by the county congestion management agency for designated roads or highways?				
<p>4.2.16b. Response (Sources: City of Riverside 2007a, Figure CCM-4; City of Riverside 2007c, Figure 5.15-4 – Volume to Capacity (V/C) Ratio and Level of Service (LOS) (Typical 2025), Tables 5.15-D, 5.15-H, 5.15-I, 5.15-J, 5.15-K; SCAG 2012 RTP; Riverside County Transportation Commission 2011, CMP):</p> <p>The project area does not include any of the state highways within Riverside County’s Congestion Management Plan (CMP). Magnolia Avenue is designated as a principal arterial within the CMP. The project is consistent with the Transportation Demand Management/Air Quality components of the CMP. Furthermore, as discussed in response 4.2.16a, the project would not result in substantial increase in vehicle traffic. Therefore, the project will have a less-than-significant impact directly, indirectly, or cumulatively on conflict with an applicable CMP and applicable traffic and transportation standards, and no mitigation measures are required.</p>				
c. Result in a change in air traffic patterns, including either an increase in traffic levels or a change in location that results in substantial safety risks?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<p>4.2.16c. Response (Source: City of Riverside 2007c, Figure 5.7-2 – Airport Safety and Compatibility Zones):</p> <p>Part of the project site is located within Compatibility Zone “Other Airport Environs” of the Riverside Municipal Airport. However, the project does not include the need for air traffic nor will its operations require any air traffic patterns to be modified. Therefore, the project will have no impact directly, indirectly, or cumulatively on air traffic patterns or associated risks, and no mitigation measures are required.</p>				
d. Substantially increase hazards due to a design feature (e.g., sharp curves or dangerous intersections) or incompatible uses (e.g., farm equipment)?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<p>4.2.16d. Response (Source: Proposed Project):</p> <p>The proposed project site is fully developed under existing conditions, with all site improvements in place. The proposed project is located within public rights-of-way and involves the replacement of existing lighting fixtures. Thus, the project will not result in any modifications to design of existing street alignments or intersections. Therefore, the project will have no impact on increasing hazards through design or incompatible uses either directly, indirectly, or cumulatively, and no mitigation measures are required, and no mitigation measures are required.</p>				
e. Result in inadequate emergency access?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<p>4.2.16e. Response (Source: Fire Code; Proposed Project):</p> <p>The proposed project site is fully developed under existing conditions, with all site improvements in place. Specifically, the proposed project is located within public rights-of-way. No feature of the proposed project is expected to result in inadequate emergency access as driveways and emergency access points within the project boundary will not be affected by light replacement activities. Additionally, through the City’s site plan review, the City Fire Department will ensure that the light replacement activities meet code requirements related to emergency access. Therefore, there will be no impact on emergency access either directly, indirectly, or cumulatively, and no mitigation measures are required.</p>				
f. Conflict with adopted policies, plans, or programs regarding public transit, bicycle, or pedestrian facilities, or otherwise decrease the performance or safety of such facilities?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<p>4.2.16f. Response (Sources: RTA 2015; City of Riverside 2007g):</p> <p>Extensive bus service throughout the City is provided by the Riverside Transit Agency. There are bus stops located along Magnolia Avenue and Brockton Avenue within the project site. The City has a Bicycle Master Plan that serves to develop a feasible plan for an interconnected on-street and off-street bicycle lane network throughout the City. As shown on Figure 6-1 of the City’s Bicycle Master Plan (City of Riverside 2007g), there is an existing bike lane along Magnolia Avenue and future bike routes/lanes are proposed along Palm Avenue and Brockton Avenue, and future bike lane proposed along Jurupa Avenue. During short-term light replacement activities, sidewalks within the project</p>				

Issues (and Supporting Information Sources)	Potentially Significant Impact	Potentially Significant Unless Mitigation Incorporated	Less-Than-Significant Impact	No Impact
<p>boundaries could be temporarily closed. No bike lanes or bus transit stops would be impacted from the light replacement activities as there are no road detours associated with the project. A traffic control plan would be prepared by the contractor to outline possible detours during the temporary sidewalk closures (MM-TRA-1). As such, the project would not conflict with adopted policies, plans, or programs regarding public transit, bicycle, or pedestrian facilities with implementation of mitigation measure MM-TRA-1. Project operation would result in a more uniform and efficient lighting to enhance the safety of bus transit stop, bicycle and pedestrian facilities within the Wood Streets neighborhood. As such, the project will have a less-than-significant impact with mitigation incorporated on public transit, bicycle, or pedestrian facilities either directly, indirectly, or cumulatively.</p> <p>MM-TRA-1: Prior to construction of the project, the hired contractor shall prepare and implement a traffic control plan consistent with the City of Riverside’s requirements. The traffic control plan shall include an outline of any sidewalk access detours during short-term construction activities.</p>				
4.2.17 Utilities and Service Systems – Would the project:				
a. Exceed wastewater treatment requirements of the applicable Regional Water Quality Control Board?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<p>4.2.17a. Response (Sources: City of Riverside 2007a, Figure PF-2; City of Riverside 2007c, Section 5.16; City of Riverside 2010): The project would not generate wastewater and as such would not require wastewater treatment. The City’s Public Works Department will review the proposed project to ensure that the project is in compliance with the City’s Wastewater Integrated Master Plan (City of Riverside 2010). The project site is within a developed area with all site improvements in place. The project proposes minimal modifications to the project site. Therefore, the project would have no impact directly, indirectly, or cumulatively on wastewater treatment, and no mitigation measures are required.</p>				
b. Require or result in the construction of new water or wastewater treatment facilities or expansion of existing facilities, the construction of which could cause significant environmental effects?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<p>4.2.17b. Response (Sources: City of Riverside 2007a, Tables PF-1 and PF-2; City of Riverside 2007c, Section 5.16; City of Riverside 2010): The project would not require or generate water or wastewater. The proposed project is not expected to require or result in the construction of new water or wastewater treatment facilities or expansion of existing facilities that would cause significant environmental effects. The project is consistent with the Typical Growth Scenario of the General Plan 2025, in which future water and wastewater generation was determined to be adequately served by existing facilities. Furthermore, the City’s Public Works Department will review the proposed project to ensure that the project is in compliance with the City’s Wastewater Integrated Master Plan (City of Riverside 2010). No impact directly, indirectly, or cumulatively to water or wastewater treatment facilities would result from the proposed project, and no mitigation measures are required.</p>				
c. Require or result in the construction of new storm water drainage facilities or expansion of existing facilities, the construction of which could cause significant environmental effects?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<p>4.2.17c. Response (Source: City of Riverside 2007c, Figure 5.16-2 – Drainage Facilities): The proposed project is located within a previously developed area and would not result in an increase in impervious surfaces. The proposed project consists of the replacement of existing historic light standards and luminaires that does not require the use of stormwater drainage facilities or expansion of existing facilities. As such, the project would not increase surface runoff within the project site or area and no new or expanded stormwater facilities would be needed as a result of the project. Therefore, the project will have no impact directly, indirectly, or cumulatively on storm drain facilities, and no mitigation measures are required.</p>				

Issues (and Supporting Information Sources)	Potentially Significant Impact	Potentially Significant Unless Mitigation Incorporated	Less-Than-Significant Impact	No Impact
d. Have sufficient water supplies available to serve the project from existing entitlements and resources, or are new or expanded entitlements needed?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<p>4.2.17d. Response (Sources: City of Riverside 2007c, Figures 5.16-3 – Water Service Areas and 5.16-4 – Water Facilities, Tables 5.16-E, 5.16-F, 5.16-G; RPU 2007, RPU UWMP): The project site is located within the City’s Public Utilities service area. The project would not require water supplies to serve the light fixtures. The proposed project is consistent with the General Plan 2025 Typical Growth Scenario, in which future water supplies were determined to be adequate. Therefore, the project will have no impact directly, indirectly, or cumulatively on water supply, and no mitigation measures are required.</p>				
e. Result in a determination by the wastewater treatment provider which serves or may serve the project that it has adequate capacity to serve the project’s projected demand in addition to the provider’s existing commitments?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<p>4.2.17e. Response (Sources: City of Riverside 2007c, Figure 5.16-5 – Sewer Service Areas and Figure 5.16-6 – Sewer Infrastructure and Table 5.16-K; City of Riverside 2010): The project site is located within the City’s Public Works sewer service area. Wastewater from the project area is currently treated at the City’s Wastewater Treatment Plant located at the Regional Water Quality Control Plant. The proposed project would not generate wastewater as it entails operation of lighting along the public rights-of-way and thus would not increase the volume of wastewater requiring treatment at the Wastewater Treatment Plant. The project is consistent with the General Plan 2025 Typical Growth Scenario, in which wastewater generation was determined to be served adequately by existing facilities. In addition, the current Wastewater Treatment Master Plan anticipates and provides for this type of project. For these reasons, the project will have no impact directly, indirectly, or cumulatively on wastewater treatment, and no mitigation measures are required.</p>				
f. Be served by a landfill with sufficient permitted capacity to accommodate the project’s solid waste disposal needs?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<p>4.2.17f. Response (Source: City of Riverside 2007c, Tables 5.16-A and 5.16-M): Because the project is consistent with the General Plan 2025 Typical Buildout project level, in which future landfill capacity was determined to be adequate, the amount of solid waste generated during installation activities is expected to be within the permitted capacity of nearby landfills. The project would generate minimal waste during installation and would not generate solid waste during operation. The project will have less-than-significant impact directly, indirectly, or cumulatively on solid waste disposal, and no mitigation measures are required.</p>				
g. Comply with federal, state, and local statutes and regulations related to solid waste?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<p>4.2.17g. Response (Source: California Integrated Waste Management Board 2002, Landfill Facility Compliance Study): See Response 4.2.17f. The California Green Building Code requires all projects to divert 50% of non-hazardous construction and demolition debris for all projects and 100% of excavated soil and land clearing debris for all non-residential projects. The proposed project must comply with the City’s waste disposal requirements as well as the California Green Building Code and as such would not conflict with any federal, state, or local regulations related to solid waste. The project would generate minimal solid waste during installation and would not result in solid waste during operation. Therefore, the project will have less-than-significant impacts directly, indirectly, or cumulatively related to solid waste regulation, and no mitigation measures would be required.</p>				

Issues (and Supporting Information Sources)	Potentially Significant Impact	Potentially Significant Unless Mitigation Incorporated	Less-Than-Significant Impact	No Impact
4.2.18 Mandatory Findings of Significance				
a. Does the project have the potential to degrade the quality of the environment, substantially reduce the habitat of a fish or wildlife species, cause a fish or wildlife population to drop below self-sustaining levels, threaten to eliminate a plant or animal community, reduce the number or restrict the range of a rare or an endangered plant or animal, or eliminate important examples of the major periods of California history or prehistory?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4.2.18a. Response (Source: Proposed Project): The project site is currently developed within an urbanized area consisting of residences, commercial uses, and school and church facilities with all site improvements in place, and thus would not substantially reduce the habitat of a fish or wildlife species, cause a fish or wildlife population to drop below self-sustaining levels, threaten to eliminate a plant or animal community, or reduce the number or restrict the range of a rare or an endangered plant or animal. Only minor site modifications to the existing light fixtures within the project area are proposed. Since the project area is within the Wood Streets NCA, mitigation measures MM-CUL-1 and MM-CUL-2 have been incorporated to ensure that the light fixture replacement and treatment of parkway trees are compatible with the historic and cultural character of the area. As such, the project will have a less-than-significant impact with mitigation incorporated .				
b. Does the project have impacts that are individually limited, but cumulatively considerable? ("Cumulatively considerable" means that the incremental effects of a project are considerable when viewed in connection with the effects of past projects, the effects of other current projects, and the effects of probable future projects.)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
4.2.18b. Response (Source: City of Riverside 2007c Section 6): The project is consistent with the General Plan 2025; therefore, no new cumulative impacts beyond those that were anticipated in the General Plan 2025 would result. As such, the project will have no impact , and no mitigation measures are required.				
c. Does the project have environmental effects which will cause substantial adverse effects on human beings, either directly or indirectly?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
4.2.18c. Response (Sources: City of Riverside 2007c Section 5; Proposed Project): Based on the analysis of all of the above questions, it has been determined that the project would have a less-than-significant impact on human beings with the implementation of the mitigation measures listed herein.				

5 REFERENCES

14 CCR (California Code of Regulations) 15000–15387 and Appendix A–L. Guidelines for Implementation of the California Environmental Quality Act, as amended.

24 CCR, Part 1. California Building Code.

California Health and Safety Code, Sections 7050.5, 7051, 5052, and 7054

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INTENTIONALLY LEFT BLANK

APPENDIX A

Proposed Wood Streets Street Light Layout and Standards



TC CONCRETE



TC METAL



TC FIBER GLASS



TC ROUND TOP



CORSICAN 1



MONUMENT 1
PROTECT IN PLACE



MONUMENT 2
PROTECT IN PLACE



MONUMENT 3
PROTECT IN PLACE

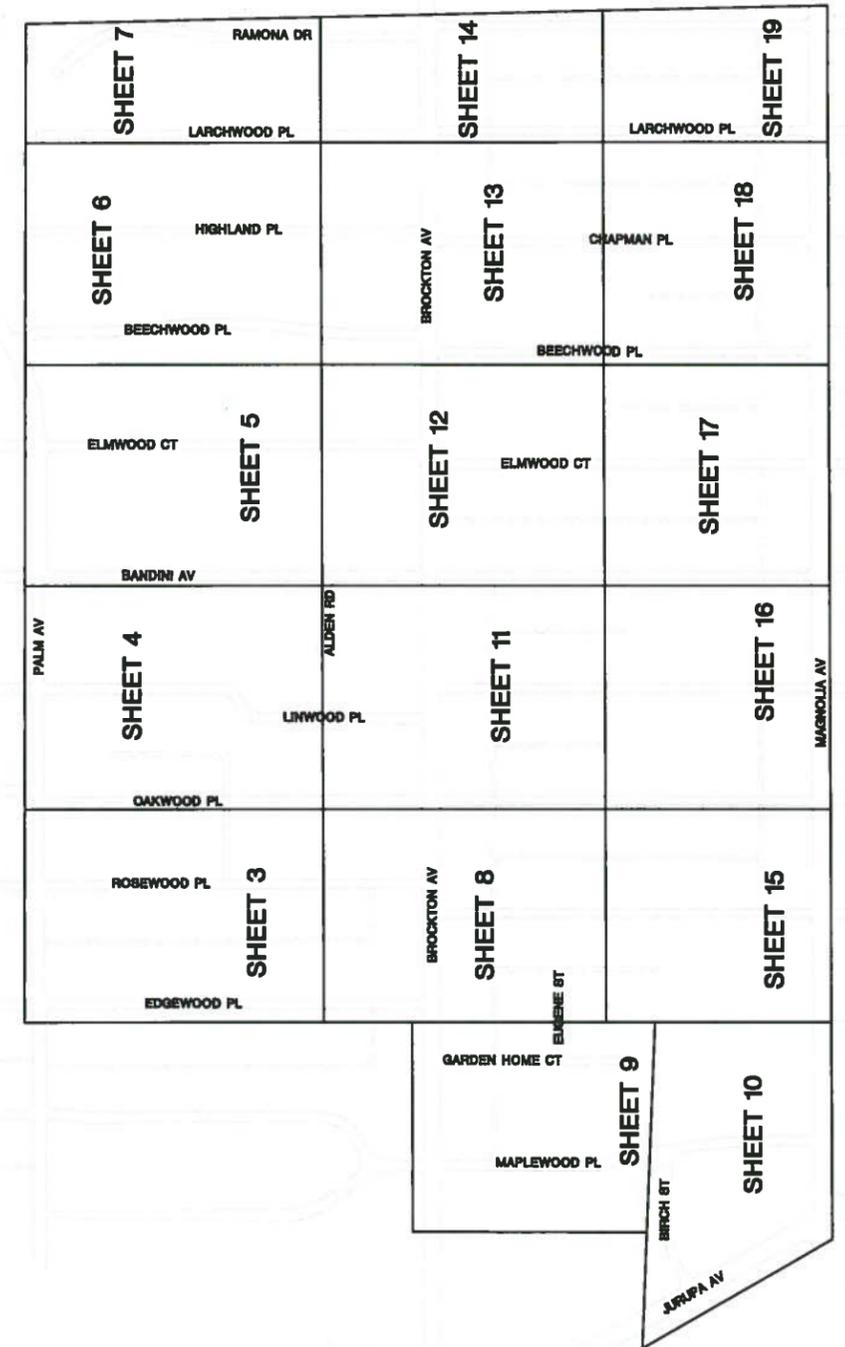


MONUMENT 4
PROTECT IN PLACE



PROPOSED NEW STREET LIGHT STANDARD
REPLACEMENT FOR ALL STREET LIGHTS UNLESS
OTHERWISE SPECIFIED ON DRAWINGS

TC CONCRETE	148
TC METAL	85
TC FIBER GLASS	31
TC ROUND TOP	12
CORSICAN 1	1
MONUMENT 1	2
MONUMENT 2	1
MONUMENT 3	3
MONUMENT 4	1
TOTAL	284

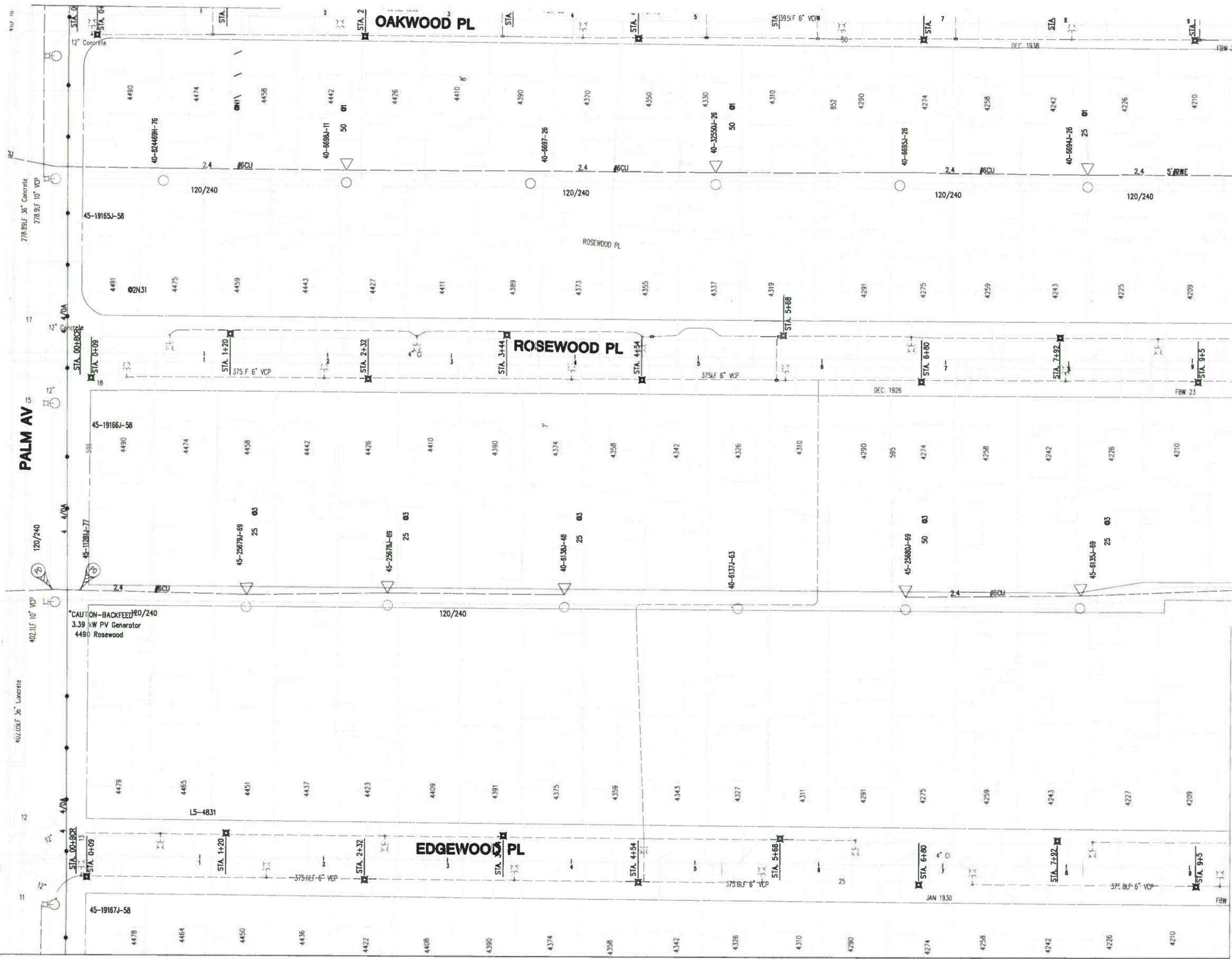


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CIRCUIT # CKT # _____

SUSTAINABLE STREET LIGHT DESIGN FOR:
AREA 2

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DATE	CHECKED	TASK # 01	UOL
PA NO. N/A	APPROVED	WORK ORDER # XXXXXXX	
MAP BK	BOARD DATE	DIV. 5	XXXXXX-XX
PERMIT NO. N/A	ACCT 613000-470637XX	SHEET 2 OF 19	



TC METAL
7



TC CONCRETE
15

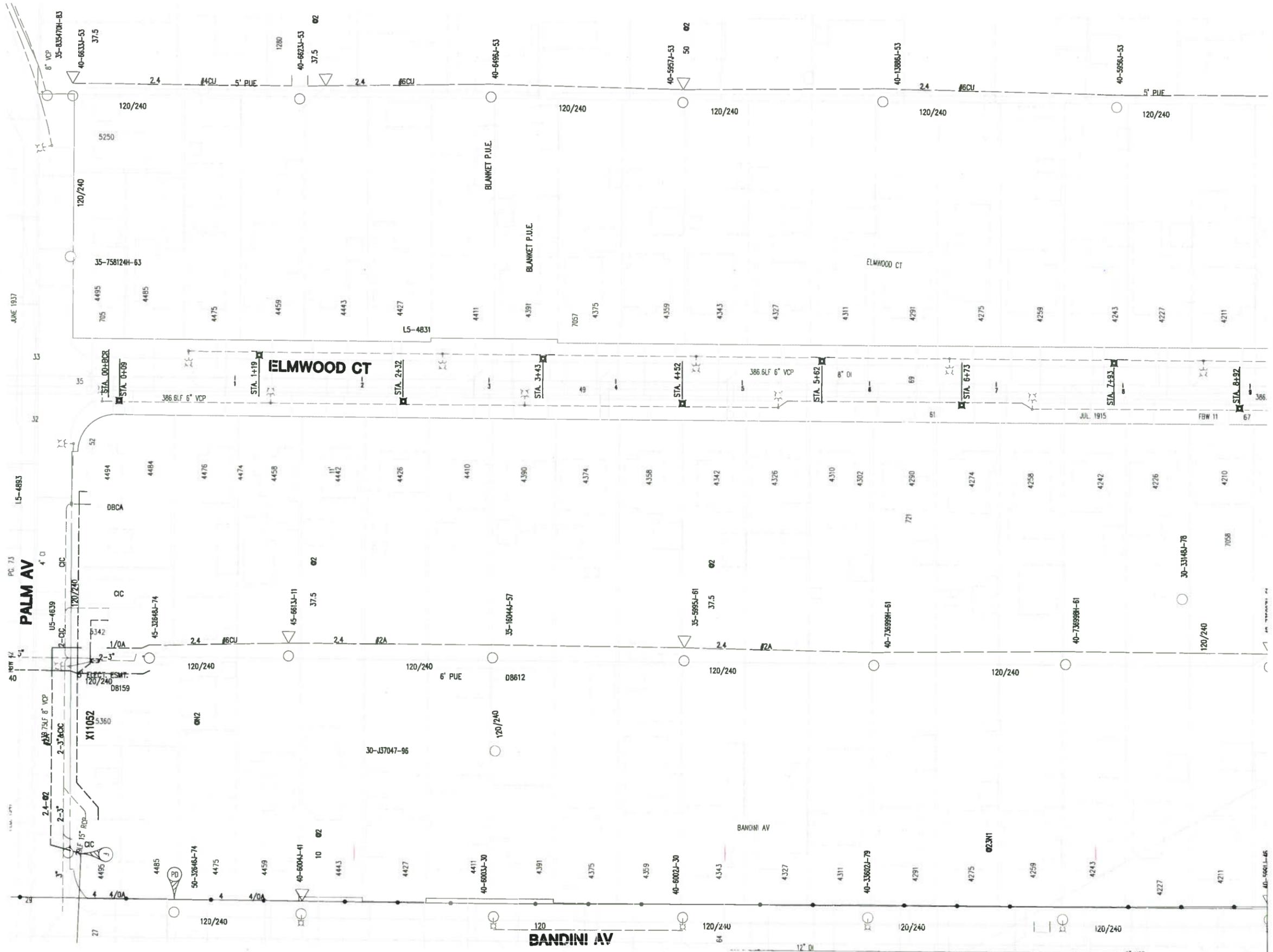


TC FIBER GLASS
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TOTAL
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PERMIT NO. N/A	ACCT. 613000-470637XX	SHEET 3 OF 19	

ASBUILT APPROV REVISIONS DATE



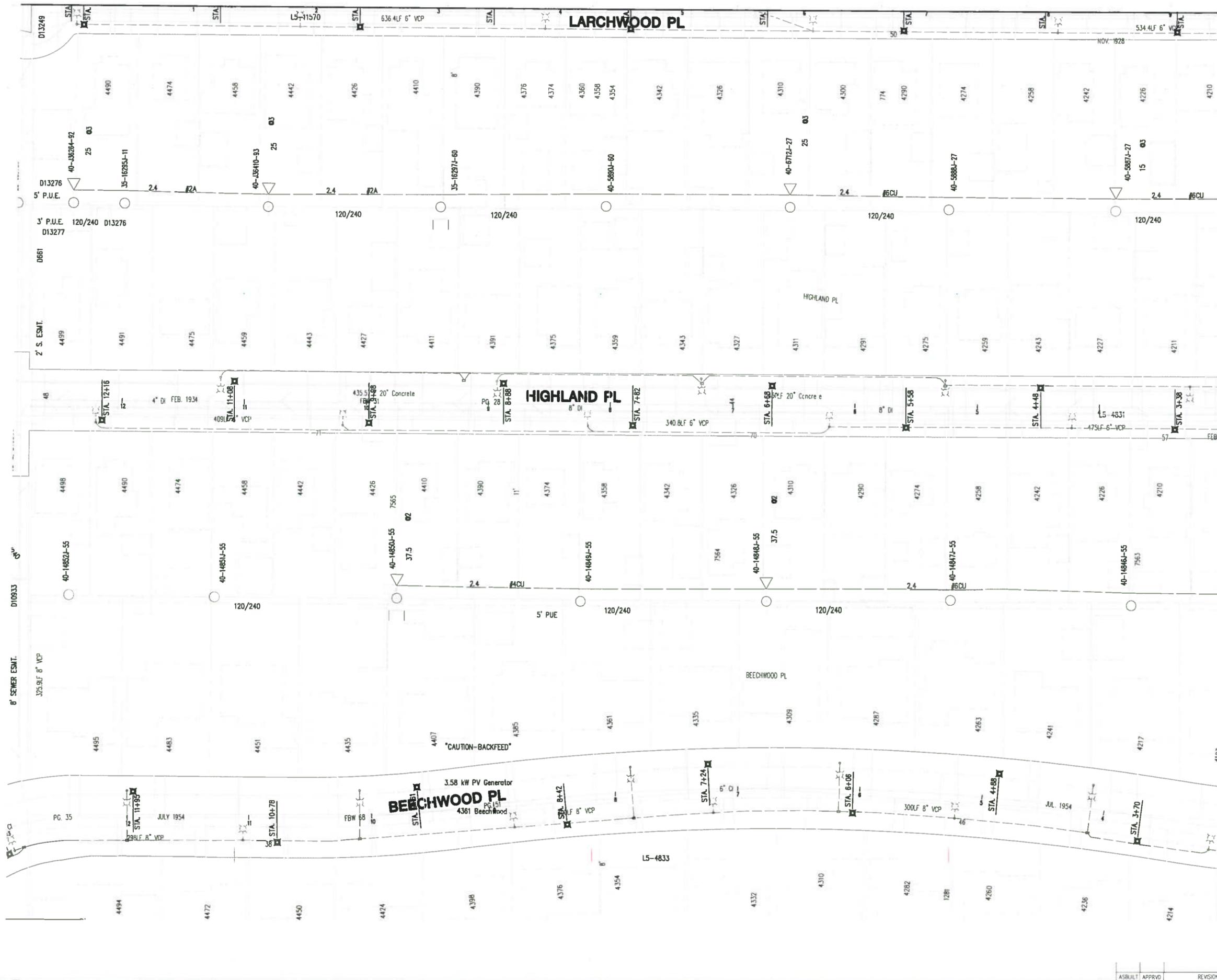
TC CONCRETE
9



TC FIBER GLASS
1

TOTAL
10

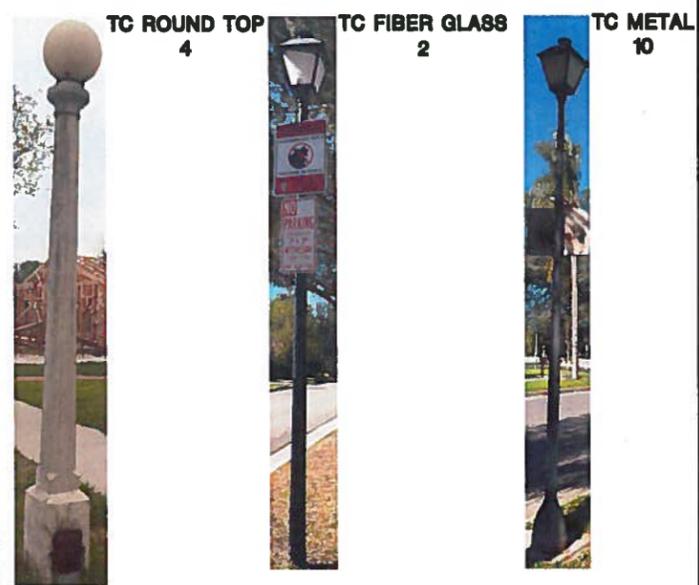
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ASBUILT	APPROV	REVISIONS	SHEET 5 OF 19



TOTAL
26

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DATE:	CHECKED:	TASK # 01	UOL
S/A NO. N/A	APPROVED:	WORK ORDER # XXXXXXX	
MAP BK:	BOARD DATE:	DIV. 5	XXXXXX-XX
PERMIT NO. N/A	ACCT: 613000-470637XX	SHEET 6 OF 19	

ASBUILT	APPROV	REVISIONS	DATE
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EST. DEM: REF DWGS:		CIRCUIT # CKT #	
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		SHEET 7 OF 19	

ASBUILT APPROV. REVISIONS DATE



TC CONCRETE
15



TC FIBER GLASS
9



TC METAL
4



MONUMENT 2
1

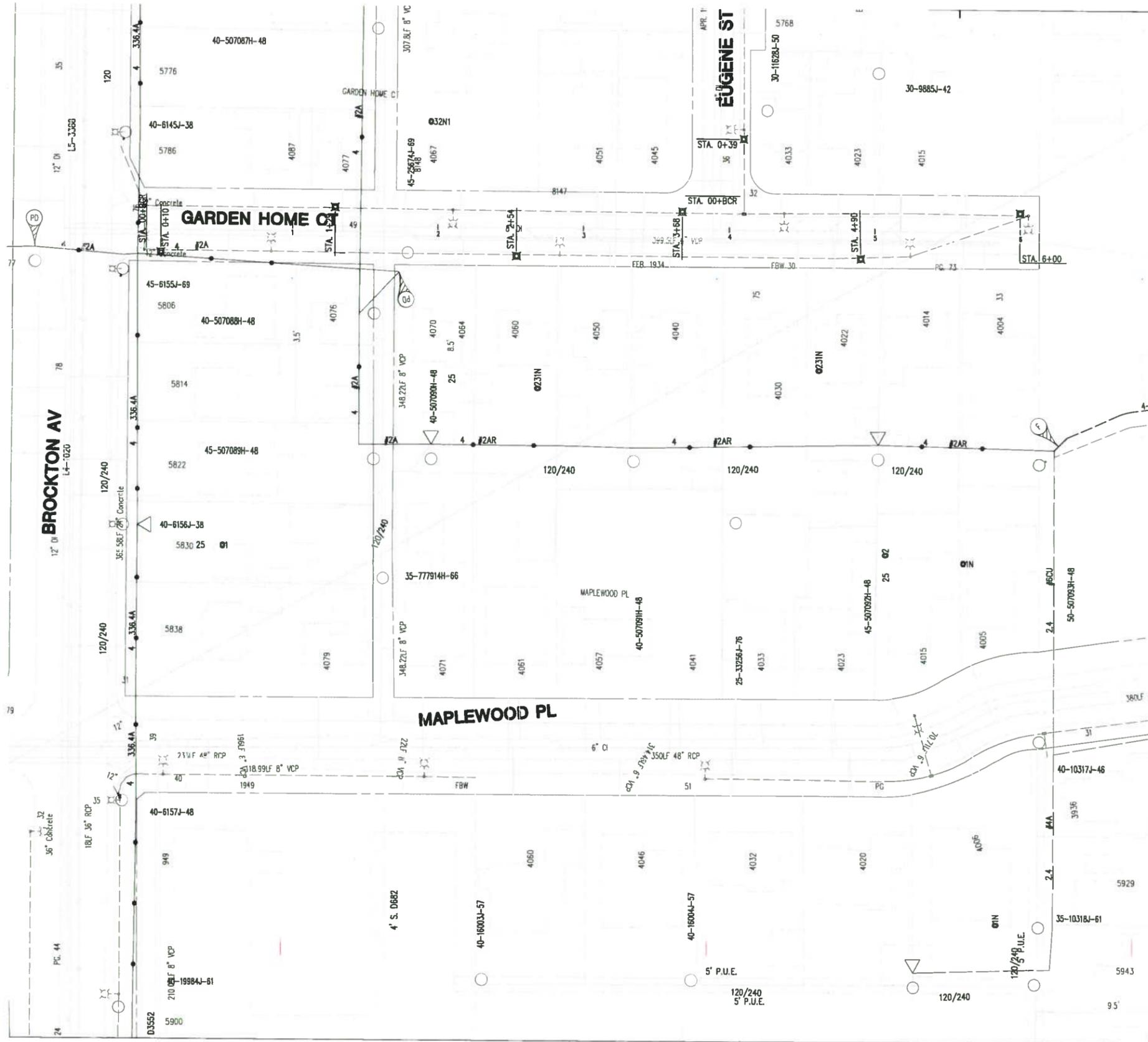
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DATE	CHECKED	DEPARTMENT OF PUBLIC UTILITIES
I/A NO. N/A	APPROVED	TASK # 01
MAP BK	BOARD DATE	WORK ORDER # XXXXXXX
PERMIT NO. N/A	ACCT. 613000-470637XX	DIV. 5
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		XXXXXX-XX
		SHEET 8 OF 19

ASBUILT APPROV REVISIONS DATE



TC METAL
2



TC CONCRETE
6

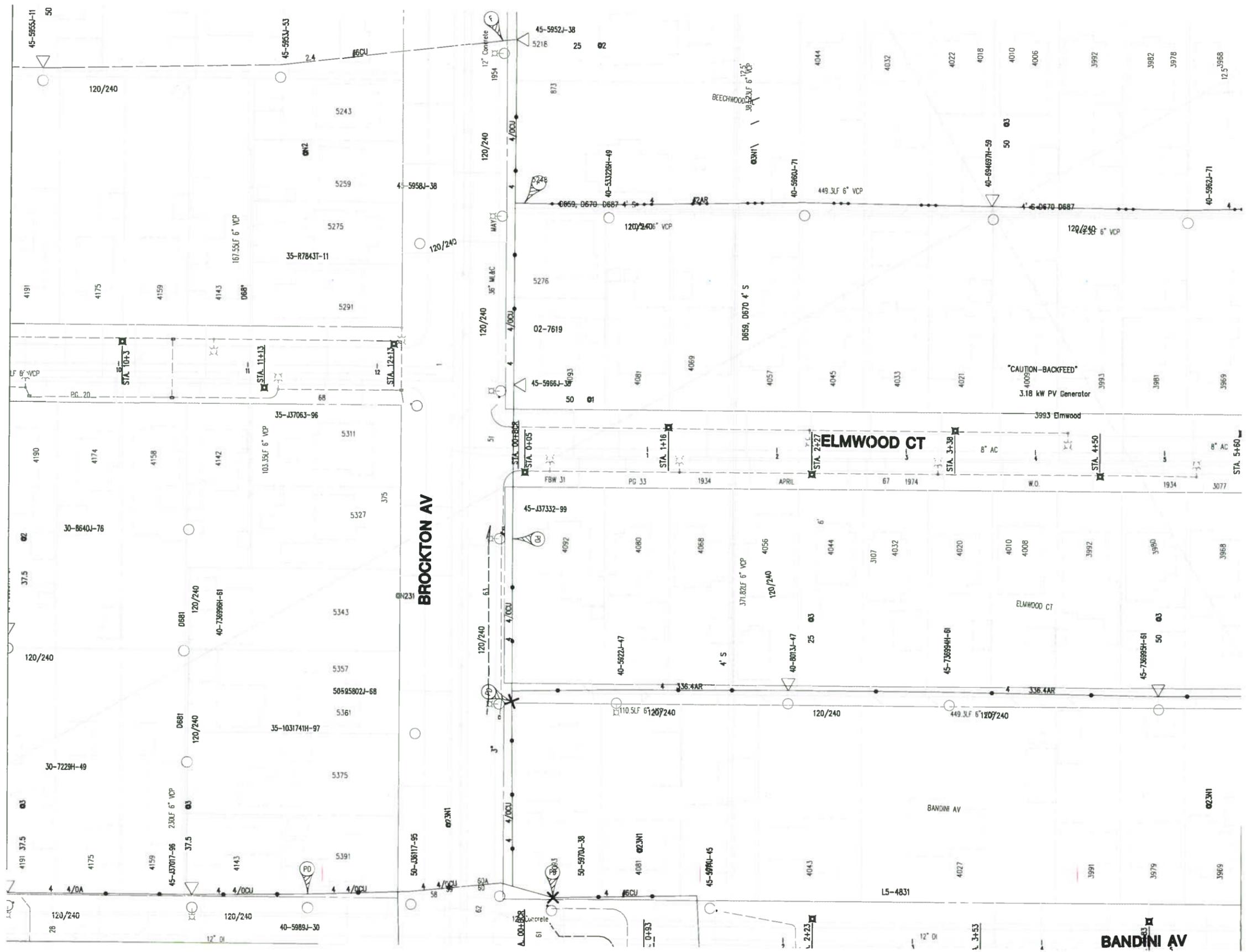


CORBICAN 1
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TOTAL
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ASBULT	APPRVD	REVISIONS	DATE
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TC FIBER GLASS
5

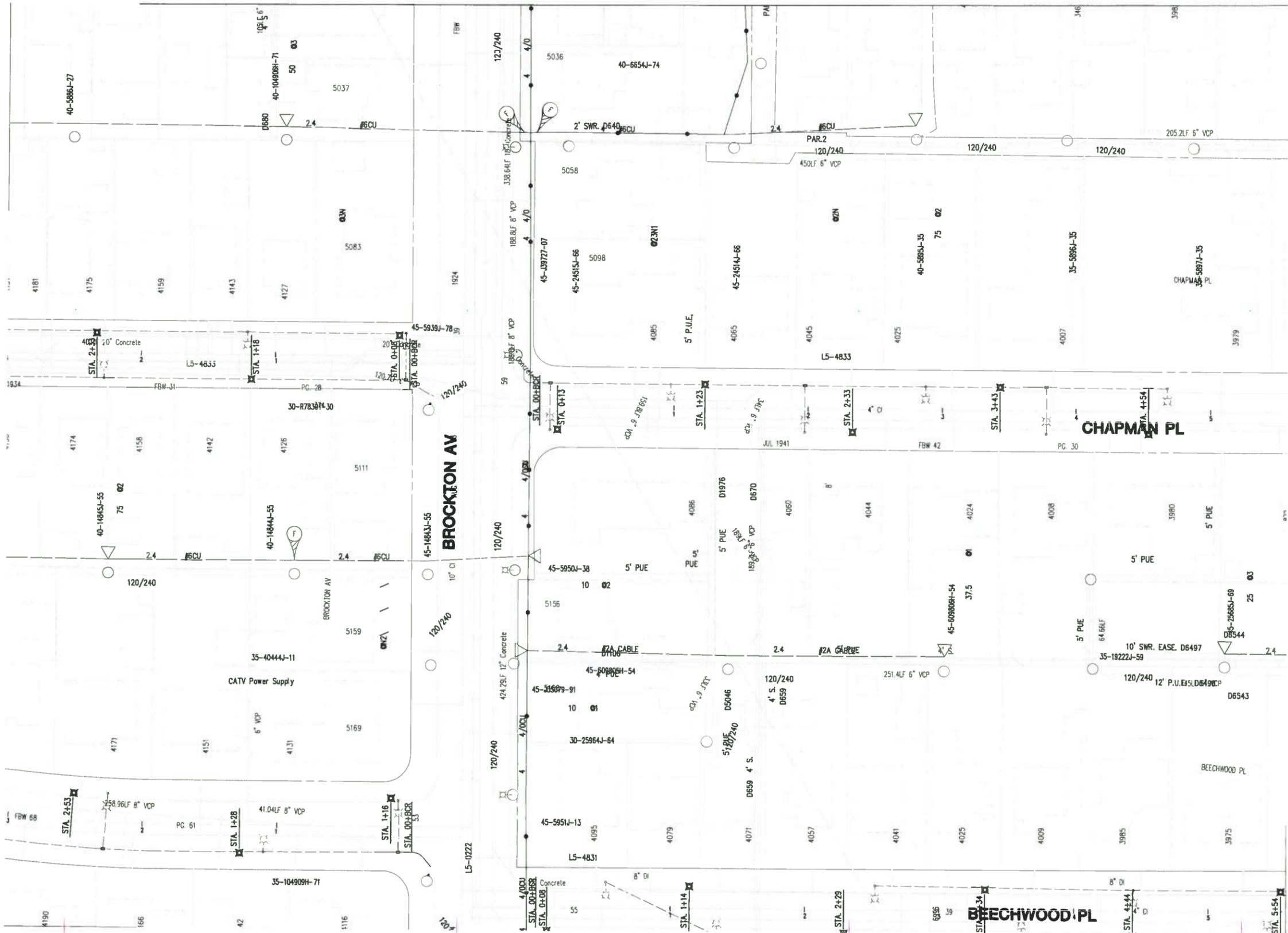


TC CONCRETE
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TOTAL
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DATE	CHECKED	TASK # 01	UOL
JPA NO. N/A	APPROVED	WORK ORDER / XXXXXXX	
MAP BK	BOARD DATE	DIV. 5	SIZE XXXXX-XX
PERMIT NO. N/A	ACCT. 613000-470637XX	SHEET 12 OF 19	

ASBUILT APPROV REVISIONS DATE



TC METAL
10

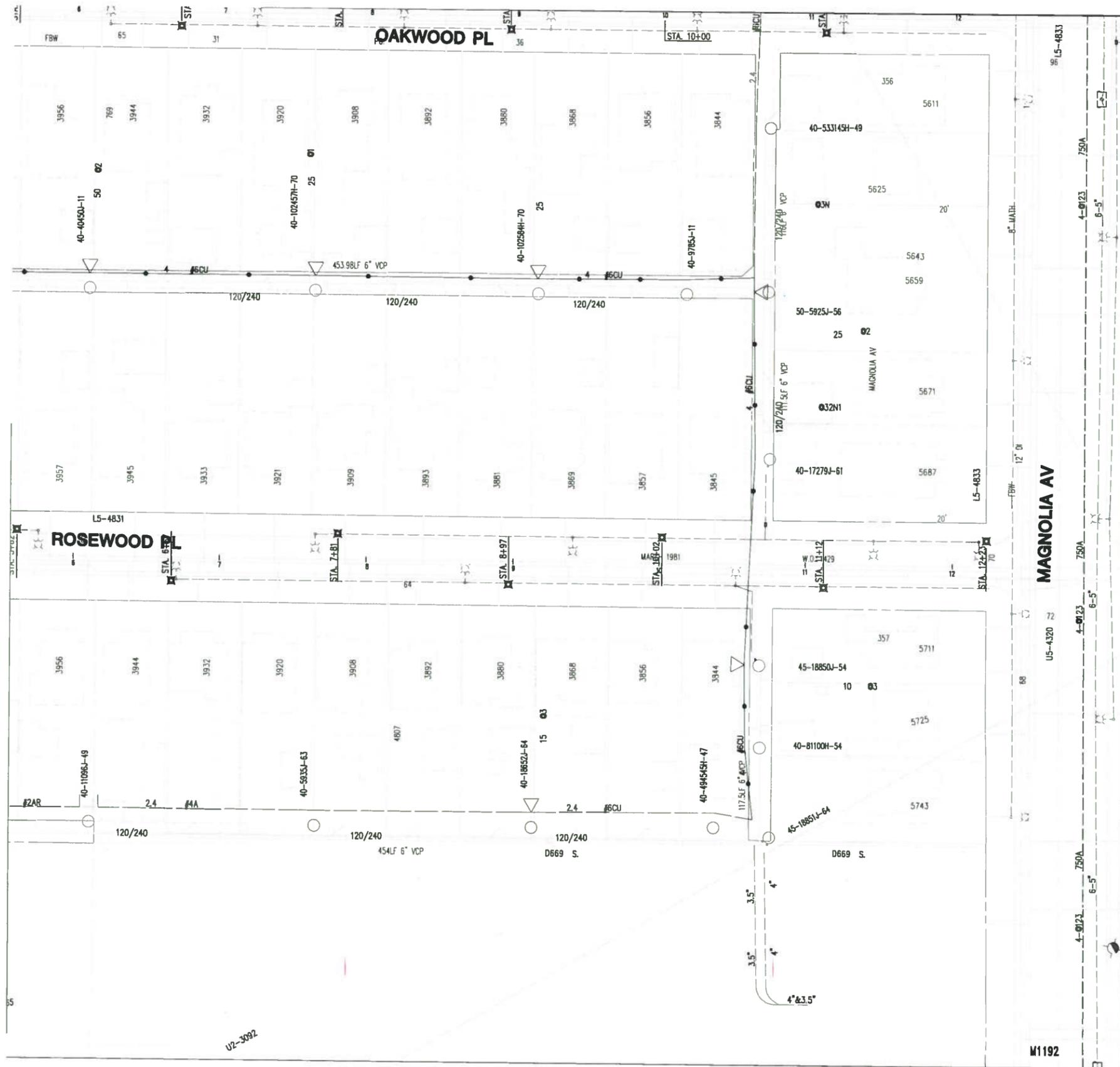


TC CONCRETE
7

TC FIBER GLASS
1

TOTAL
18

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MAP NO. N/A	APPROVED	TASK # 01	UOL
MAP BK	BOARD DATE	WORK ORDER # XXXXXXX	
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ASBUILT	APPROV	REVISIONS	SHEET 13 OF 19



TC FIBER GLASS
5

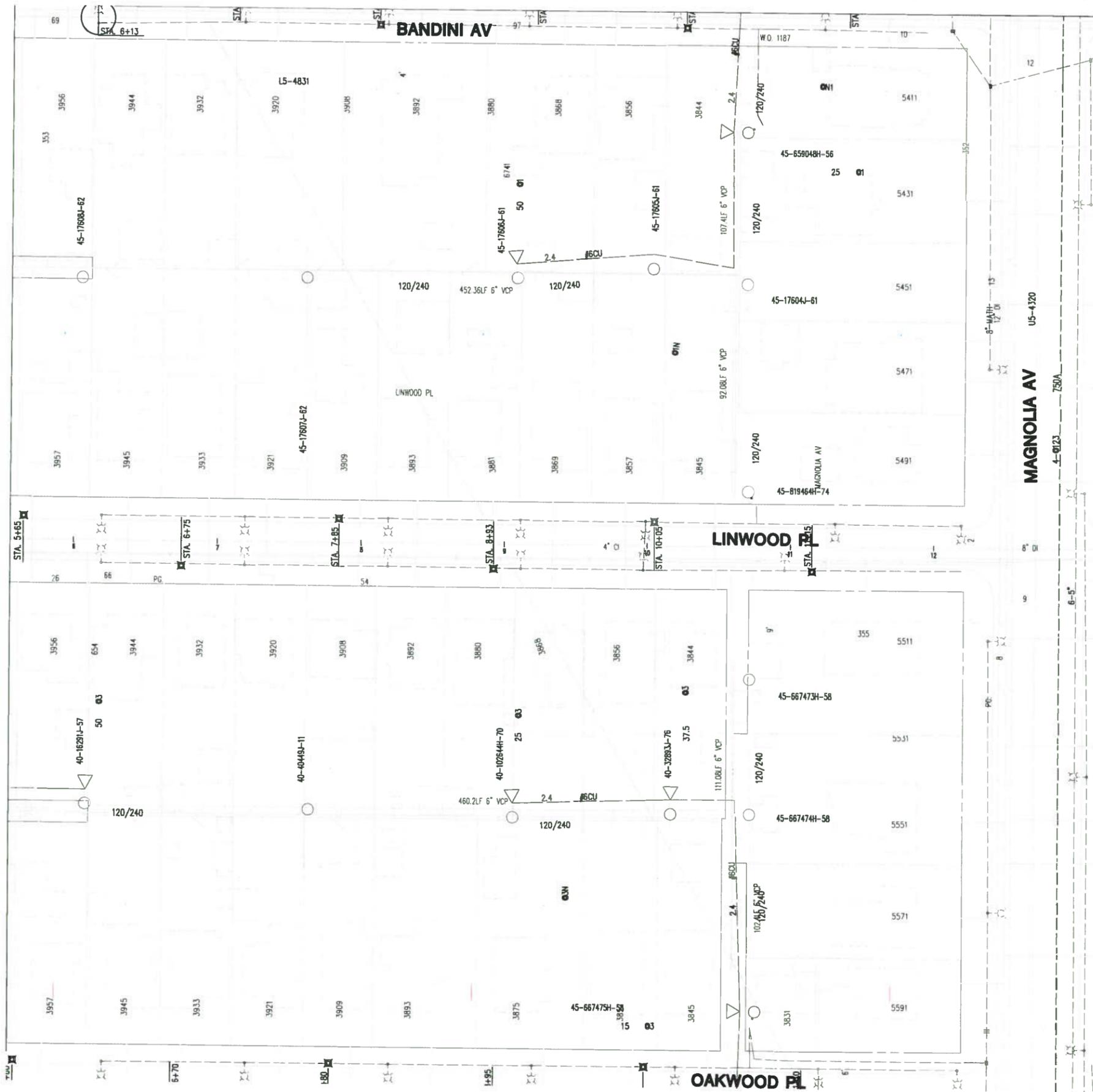


TC CONCRETE
9

TOTAL
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		SHEET 15 OF 19	

BUILT	APPRVD	REVISIONS	DATE
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**TC CONCRETE
21**



**TC FIBER GLASS
2**



**MONUMENT 3
3**

**TOTAL
26**

ASBULT APPRVD REVISIONS DATE

EST. DEM: REF DWGS:		CIRCUIT # CKT #	
SUSTAINABLE STREET LIGHT DESIGN FOR: AREA 2			
SCALE 1" = 40'	DRAWN S. RIVERA	CITY OF RIVERSIDE DEPARTMENT OF PUBLIC UTILITIES	
DATE	CHECKED		
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PERMIT NO. N/A	ACCT. 613000-470637XX	DIV. 5	XXXXXX-XX
		SHEET 16 OF 19	



TC CONCRETE
15



TC FIBER GLASS
3



MONUMENT 4
1

TOTAL
19

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DATE	CHECKED	DEPARTMENT OF PUBLIC UTILITIES	
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PERMIT NO. N/A	ACCT. 613000-470637XX	DIV. 5	SIZE XXXXX-XX
		SHEET 17 OF 19	

ASBUILT APPROV REVISIONS DATE



TC CONCRETE
10



TC METAL
1

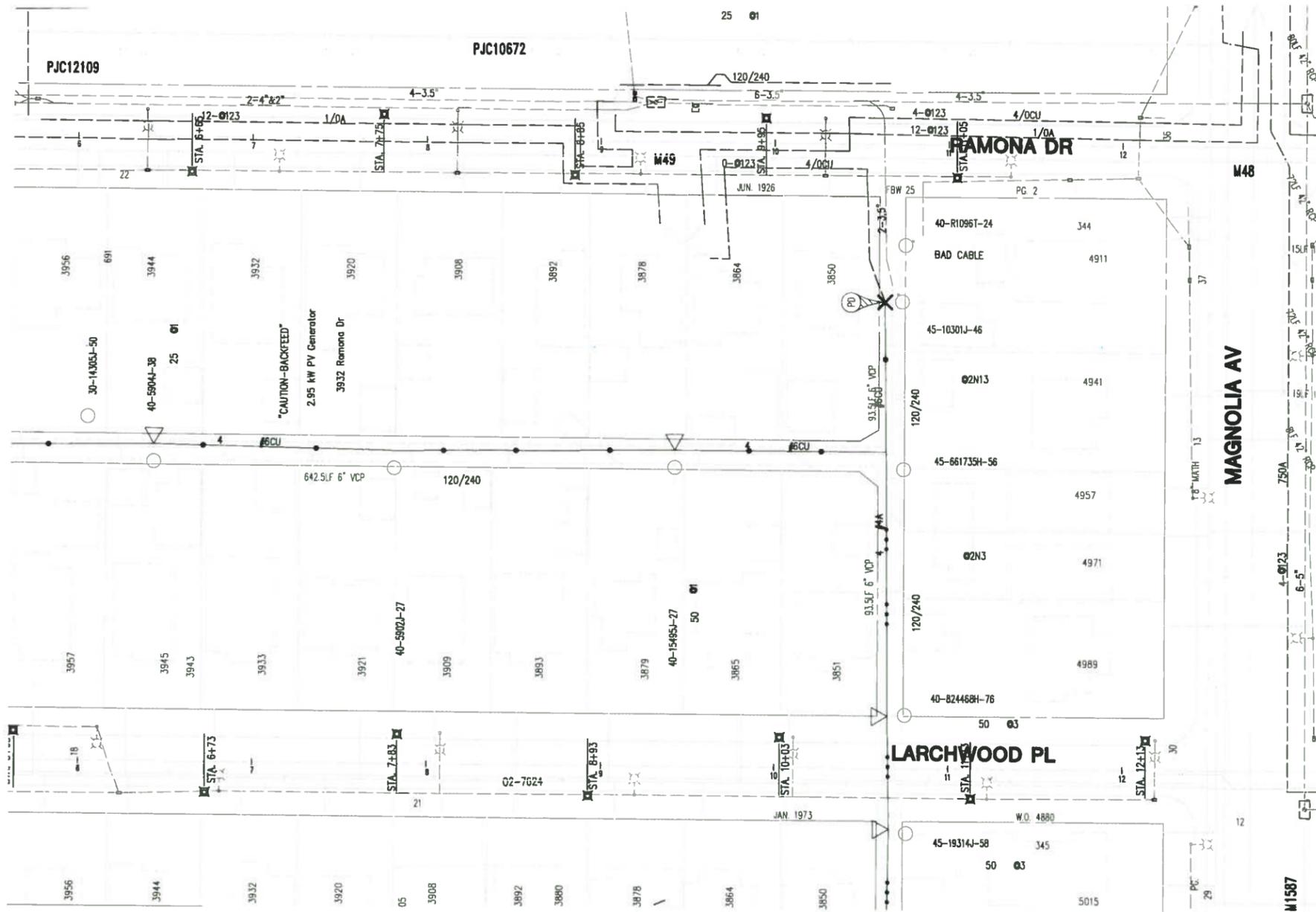


TC FIBER GLASS
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PERMIT NO. N/A	ACCT. 613000-470637XX	SHEET 18 OF 19	

ASBUILT APPROV REVISIONS DATE



TC CONCRETE
5



TC FIBER GLASS
1



TC METAL
7

TOTAL
13

ASBULT APPRVD REVISIONS DATE

EST. DEM. REF DWGS.		CIRCUIT # CKT #	
SUSTAINABLE STREET LIGHT DESIGN FOR: AREA 2			
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PERMIT NO. N/A	ACCT. 613000-470637XX	E	SHEET 19 OF 19

