- **Action HE-6.4:** Complete an evaluation and report of housing development every 5 years to ensure that adequate services and facilities, including water, wastewater, and neighborhood infrastructure are available.
- **Action HE-6.5:** As part of the Citywide Community Engagement Policy, prepare requirements for outreach and engagement that private developers will undertake for all new housing projects.

Development Process

- **Policy HE-EJ-7.0:** Development Process: facilitate a development process that promotes design and rehabilitation of housing that is responsive to the needs and desires of the residents of environmental justice communities.
  - **Action HE-EJ-7.1:** Conduct an inventory of existing housing within environmental justice communities to determine the adequacy of existing housing.
  - **Action HE-EJ-7.2:** On properties where poor-quality housing conditions are identified in environmental justice communities, facilitate the permitting process for property owners and residents to remedy and retrofit unhealthy and unsafe conditions in a timely fashion.
  - **Action HE-EJ-7.3:** Through the approval process, identify potential California Environmental Quality Act (CEQA) streamlining opportunities including, but not limited to, CEQA exemptions, tiering from prior CEQA documents, and by-right approvals to expedite approvals of proposed affordable and supportive housing projects.
  - **Action HE-EJ 7.4:** Publicize the undeveloped and underutilized developed sites land inventory on the City's website.
  - **Action HE-EJ-7.5:** Prepare an infill development[19] ordinance and development regulations, including the potential to use pre-approved construction plans, to facilitate housing on smaller lots that are close to needed services and amenities. Continue to allow lot consolidation without discretionary review and with fee reductions.

Access to Food

- **Policy HE-EJ-8.0:** Access to Food. Provide opportunities to access fresh, healthy, and affordable food from food sources that are accessible to neighborhoods and within a quarter mile of public transit.
  - **Action HE-EJ-8.1:** Streamline development approvals for opening full-service grocery stores.
  - **Action HE-EJ-8.2:** Work with retail businesses in environmental justice communities such as local convenience stores and farmers' markets to increase the availability of fresh produce.
  - **Action HE-EJ-8.3:** Use the Riverside Food Systems Alliance and similar organizations to expand civic engagement, particularly with community-based organizations and local

[19] Infill development. *Infill development* refers to the addition of housing, businesses, or other new uses on existing sites within developed, urbanized areas, as opposed to outlying or undeveloped areas, where the efficient use of existing, in-place infrastructure and services can be realized.

grocers, to better understand the barriers to healthy food access in environmental justice communities.

- **Action HE-EJ-8.4:** Develop a Food Access Assessment program to assess food security within environmental justice communities, identify strategies to ensure the equitable distribution and accessibility of healthy foods such as identifying and pursuing opportunities to locate fresh produce providers near or within existing neighborhoods.
- **Action HE-EJ-8.5:** Facilitate transformation of vacant lots in within environmental justice communities into community garden sites.
- **Action HE-EJ 8.6:** Streamline approvals and promote the establishment of farmers' in areas with poor access to healthy food options.

Public Safety Element

Guiding Principle: Comprehensively address the public safety needs and concerns of residents, businesses, institutions, and visitors in a proactive and coordinated way to ensure protection from foreseeable natural and human-caused hazards.

Natural Hazards

- **Policy PS-1–Natural Hazards:** Reduce the risk to the community from hazards related to geologic conditions, seismic activity, flooding, drought, and wildland fires.

Geologic and Seismic Hazards

- **Action PS-1.1-1:** (Seismic Hazards) Participate in federal, state, and local earthquake preparedness programs to ensure current best practices and resources are in place that support seismic mitigation and disaster response efforts.
- **Action PS-1.1-2:** (Seismic Hazards) Establish an educational outreach and training program related to earthquake preparedness, resilience and recovery that facilitates training and support for business owners, tenants and residents.
- **Action PS-1.1-3:**(Seismic Hazards) Minimize the potential loss of life, damage to structures, and economic impacts of disaster recovery by implementing a Seismic Safety Program that addresses each risk.
- **Action PS-1.1.4:** (Seismic Hazards) In support of the Seismic Safety Program, conduct a citywide seismic survey of existing vulnerable building types to assess each risk, minimize loss of life, implement mitigation measures, and facilitate faster disaster response and recovery efforts as they relate to large earthquake events.

Flood Hazards

- **Action PS-1.2-1:** (Flood Hazards) Inventory emergency and critical facilities located in the 1 percent annual chance of flood zones, establish procedures to maintain structural and operational integrity of public facilities during flood events, and identify emergency evacuation routes for areas that could be affected by flooding or dam failure.

- **Action PS-1.2-2:** (Flood Hazards) Coordinate with Riverside County Flood Control and Water Conservation District, for the responsible agency for maintenance and monitoring of regional flood control facilities, and the City Fire Department to evaluate the effectiveness of existing flood control systems and improve these systems as necessary to meet capacity demands.
- **Action PS-1.2-3:** (Flood Hazards) Permit development in a floodplain only if there is minimal risk to lives and property and the project is adequately designed so that all structures are capable of withstanding a 1 percent annual chance of flood (100-year flood) or greater.
- **Action PS-1.2-4:** (Flood Hazards) During project review, require drainage studies (as needed) by a qualified engineer to certify that new development will be protected and not create new downstream flood hazards.

Fire Hazards

- **Action PS-1.3-1:** (Fire Hazards) Update the Riverside Fire Department's Strategic Plan, in accordance with the applicable review schedule, and continue to identify and implement strategies that maintain and improve the City's Class 1 ISO rating.
- **Action PS-1.3-2:** (Fire Hazards) Develop educational materials for community members to regularly update them on fire safety, hazardous materials safety, and fire prevention.
- **Action PS-1.3-3:** (Fire Hazards) Prepare a City-owned Properties Wildfire High-hazard Plan that: (1) identifies locations for new essential facilities outside of high fire-hazard areas; (2) implements construction or other ways to minimize hazards for essential facilities in high fire-hazard areas; and (3) identifies fire breaks for all City-owned properties to reduce fire hazards.

Drought Conditions

- **Action PS-1.4-1:** (Drought Conditions) Update the Urban Water Management Plan and Drought Contingency Plan as required by state law and regulations, including during, and in anticipation of, upcoming drought conditions.

Human-Caused Hazards

Hazardous Materials

- **Policy PS-2–Hazardous Materials:** Minimize the risk of potential hazards associated with management and transport of hazardous materials.
  - **Action PS-2.1-1:** (Hazardous Materials) Develop a Hazardous Materials Plan to provide a framework to review industry/business uses that includes safety protocols, enforcement mechanisms, inspection requirements, and review/update procedures.
  - **Action PS-2.1-2:** (Hazardous Materials Transport) Establish designated safe transport routes for transport of hazardous materials to reduce the risks associated with ground transport of hazardous materials.
  - **Action PS-2.1-3:** (Hazardous Materials Transport/Emergency Preparedness) Establish a training program on rail-related hazard emergency preparedness for stakeholders and City

Staff to ensure emergency operations and mitigation measures are clear and updated when changes occur.

Transportation

- **Policy PS-3–Transportation:** Minimize the risk of potential hazards associated with air and ground transportation.

Air Transportation

- **Action PS-3.1-1:** (Aircraft Hazards) Participate in the Riverside County Airport Land Use Commission MARB Joint Land Use Study to ensure City issues and concerns are incorporated into the update of the Land Use Compatibility Plan.

Rail Transportation

- **Action PS-3.2-1:** (Railroad Hazards) Continue implementation of Quiet Zone improvements and grade separations at rail crossings within the City to improve safety for pedestrians, bicyclists and motorists.

Pedestrian and Bicyclist Safety

- **Action PS-3.3-1:** (Pedestrian and Bicyclist Safety) Implement the City's PACT (Pedestrian Target Safeguarding Plan, Active Transportation Plan, Complete Streets Ordinance and Trail Master Plan) to: improve safety and walkability; provide street amenities such as trees, lighting, furniture; prioritize pedestrians and bicyclists; and implement traffic calming and safety improvements such as lighted crosswalks.
- **Action PS-3.3-2:** (Pedestrian and Bicyclist Safety) Implement phased infrastructure improvements that enhance pedestrian and bicycle safety as identified in the City's Capital Investment Program.
- **Action PS-3.3-3:** (Pedestrian and Bicyclist Safety) Implement the Citywide Community Engagement Policy Toolkit as part of any pedestrian and bicyclist safety project to promote safety for any City-initiated project.

Vehicle Safety

- **Action PS-3.4-1:** (Vehicle Safety) Develop a Local Roadway Safety Plan to identify intersections and road segments with the highest collision rates and prioritize design safety measures to reduce incidences at these locations.

Emergency Services

- **Policy PS-4–Emergency Services:** Provide responsive police, fire, and emergency services to all residents and businesses in Riverside.

Police Services

- **Action PS-4.1-1:** (Police Services) Update the Riverside Police Department Strategic Plan, in accordance with applicable review schedule, to maintain the minimum Riverside Police

Department response times of 9 minutes on all Priority One calls and 12 minutes on all Priority Two calls.[20]

- **Action PS-4.1-2:** (Police Services) Collaborate with the Riverside County Sheriff to provide coordinated law enforcement services within the City's Sphere of Influence areas.
- **Action PS-4.1-3:** (Police Services) Coordinate police services with private, college and university campus police within Riverside.
- **Action PS-4.1-4:** (Police Services) Identify a location for, plan for, and develop a new modernized police headquarters facility in the Downtown area.
- **Action PS-4.1-5:** (Public Safety) Engage residents and apartment managers to remain involved in the Crime-Free Multi-Housing Program to reduce crime in apartment communities.

Emergency Preparedness

- **Action PS-4.2.1:** (Emergency Preparedness) As part of the regular updates of the Riverside County Hazard Mitigation Plan and the updates of emergency operating procedures, assess and identify actions to address potential natural and human caused hazards as they affect infrastructure within the City.
- **Action PS-4.2-2:** (Emergency Preparedness) Conduct emergency operations exercises, with Riverside Police Department, Riverside Fire Department, and other City Departments, to identify deficiencies or practices requiring modification, and prepare periodic updates based on outcomes.
- **Action PS-4.2-3:** (Emergency Preparedness) Conduct reviews of procedures and regularly inspect equipment to ensure both are ready to provide emergency disaster services after a disaster or emergency event.
- **Action PS-4.2-4:** (Emergency Preparedness) Provide educational materials for community members, both online and hard copy, with up-to-date information on emergency preparedness.
- **Action PS-4.2-5:** (Emergency Preparedness) Update the City's information data sharing infrastructure related to computer-aided dispatch.
- **Action PS-4.2-6:** (Emergency Response) Conduct periodic reviews and monitor participation in mutual aid and automatic aid agreements with other agencies to ensure resources keep pace with new development planned or proposed in Riverside and within the Riverside Local Agency Formation Commission's Sphere of Influence.

Pandemic

- **Policy PS-5–Pandemic:** Provide responsive public health services to all residents of Riverside.
  - **Action PS-5.1-1:** (Pandemic Preparedness) Maintain and update the City's Recovery Framework Plan and Pandemic Plan.

[20] Priority One calls are defined in RPD procedures as related to an imminent threat to life; Priority Two calls are defined as related to an imminent threat to property.

- **Action PS-5.1-2:** (Pandemic Outreach) Provide education materials using various social media platforms and online communication for pandemic-related health updates and resources that will help remove barriers to health services.

Homelessness

- **Policy PS-6–Homelessness:** Reduce homelessness in Riverside through coordinated implementation of and equitable accessibility to public safety, economic, and social programs.
  - **Action PS-6.1-1:** (Homelessness) Continue to address homelessness through the Public Safety and Engagement Team Program, including both housing solutions and mental health services, building on lessons learned and focusing on key areas of the City.
  - **Action PS-6.1-2:** (Homelessness) Coordinate with non-profit organizations to provide access to transitional housing, job training and placement, childcare, and health-promoting services to the homeless.
  - **Action PS-6.1-3:** (Homelessness) Coordinate with adjacent jurisdictions to implement the Multidisciplinary Regional Santa Ana River Bottom Encampment Response Plan to connect individuals with safer shelters outside of the Santa Ana River bottom.

Climate Adaptation and Resiliency

- **Policy PS-7–Climate Adaptation and Resiliency:** Identify key potential impacts of climate change on City organizations, infrastructure, natural resources, and residents and develop adaptation pathways and resiliency pathways to address them.
  - **Action PS-7.1-1:** (Climate Adaptation) Complete a comprehensive vulnerability assessment to identify infrastructure, natural resources, and residents most at risk and identify what they need to adapt to a changing climate.
  - **Action PS-7.1-2:** (Climate Adaptation) Develop and implement a Climate Action Plan that includes climate adaptation strategies for environmental justice communities and communities disproportionately affected by climate change.
  - **Action PS-7.1-3:** (Resiliency) Incorporate climate resilience into all City department planning, practices, and procedures, following California Integrated Climate Adaptation and Resiliency Program guidance and other relevant guidance for incorporating resiliency into agency planning and operations.

Environmental Justice Policies

The California Environmental Protection Agency defines environmental justice communities as:

1. Areas disproportionately affected by environmental pollution and other hazards that can lead to negative public health effects, exposure, or environmental degradation; or areas with concentrations of people that are of low income, high unemployment, low levels of homeownership, high rent burden, sensitive populations, or low levels of educational attainment[21]; or
2. Low-income areas that are disproportionately affected by environmental pollution and other hazards that can lead to negative health effects, exposure, or environmental degradation.[22]

As defined by the Environmental Protection Agency, environmental justice is the fair treatment and meaningful involvement of all people regardless of race, color, national origin, or income, with respect to the development, implementation, and enforcement of laws, regulations, and policies. The need to promote environmental justice has come from a history of disproportionate environmental harm to low-income and minority populations. This is, in part, because of compounded exposure to environmental hazards that can lead to adverse health outcomes and compromised quality of life.

California Government Code Section 65302 requires that jurisdictions with environmental justice communities incorporate environmental justice policies into their General Plans. This can include developing a separate environmental justice element or integrating related goals, policies, and objectives into the other elements of the General Plan. These updates are required when a jurisdiction adopts the General Plan or revises two or more elements concurrently and they must address ways that environmental justice communities are protected from environmental and health hazards. Opportunities for community members to engage in decision-making that affects environmental quality and health outcomes must also be identified.

Environmental justice communities within the City of Riverside have been identified using the California Communities Environmental Health Screening Tool ("CalEnviroScreen"), a data tool developed by CalEPA's Office of Environmental Health Hazard Assessment (OEHHA) pursuant to Health and Safety Code Section 39711 and other statutory requirements. CalEnviroScreen provides statewide data that can be used to identify communities disproportionately affected by, or vulnerable to, environmental pollution and contaminants. The mapping tool contains 12 indicators related to pollution burden and 8 indicators that track population characteristics and other vulnerabilities.

To ensure compliance with California Senate Bill 1000, the City of Riverside General Plan 2025 includes environmental justice policies and actions that are integrated into the existing elements of the General Plan. The following environmental justice policies provide a framework for integrating environmental justice into the City's Phase 2 General Plan update.

[21] California Code, Health and Safety Code – HSC Section 39711

[22] Gov. Code, § 65302, subdivision. (h)(4)(A).

Land Use and Urban Design Element

- **Policy LU-EJ-1.0:** Housing Location: Ensure new housing developments adhere to local, state, and federal requirements to avoid disproportionate impacts on environmental justice communities.
    - **Action LU-EJ-1.1:** Update the General Plan to identify locations for new housing developments that are near transportation centers, commercial uses, parks and needed services, with a focus on improving access and affordability in high-opportunity areas.
    - **Action LU-EJ-1.2:** Develop design standards for development near noise or air pollution generators to minimize impacts on housing development.
- **Policy LU-EJ-2.0:** Public Engagement: Ensure the Citywide Community Engagement Policy provides community members with opportunities to participate in decisions that affect their environment and health.
    - **Action LU-EJ-2.1:** Implement the Citywide Community Engagement Policy that facilitates input from community members on key projects and ensures their concerns and aspirations inform an equitable decision-making process.
    - **Action LU-EJ-2.2:** Implement engagement, per the Citywide Community Engagement Process, for City-sponsored projects at convenient times for those directly affected and offer translation services when requested.

Circulation and Community Mobility Element

- **Policy CCM-EJ-1.0:** Active Transportation: Promote physical activity and active transportation to address negative health outcomes, particularly among environmental justice communities.
    - **Action CCM-EJ-1.1:** Partner with community-based organizations to develop educational resources that: (1) encourage active living healthy eating, social and emotional health, and general wellness; and (2) raises awareness of health-related illnesses and promotes physical activity as a way of life.
    - **Action CCM-EJ-1.2:** Meet with school districts and youth organizations to identify ways to promote affordable or free programs that encourage better nutrition and increased physical activity.
- **Policy CCM-EJ-2.0:** Transportation Options: Encourage increased public transportation and multi-modal transportation choices as means of reducing roadway congestion and associated air pollution and promoting overall health.
    - **Action CCM-EJ-2.1:** Require Crime Prevention Through Environmental Design standards be incorporated into all City projects and private development to improve the pedestrian experience that could be related to sidewalks/trails, parks, street crossings, lighting, bicycle infrastructure, Americans with Disabilities Act (ADA) accessibility.
    - **Action CCM- EJ-2.2:** Encourage school districts to establish and maintain safe drop-off and pick-up zones and implement operational improvements to alleviate congestion.

Education Element

- **Policy ED-EJ-1.0:** Education: Coordinate with public school districts, charter and private K-12 schools, and local universities and colleges to promote equity in educational facilities and opportunities for the entire community.
    - **Action ED-EJ-1.1:** Sponsor events at local schools, community centers, and libraries where underserved, low-income and minority students can gain exposure to early childhood education and opportunities in higher education and vocational training.
    - **Action ED-EJ-1.2:** Work with business leaders, faculty, and students at the various universities to develop and promote training programs to reinforce student career opportunities that align with the needs of the City (e.g., supervisory, teaching, healthcare professionals, technology-oriented).
    - **Action ED-EJ-1.3:** Coordinate and provide input to school districts as they site new or rehabilitate existing school facilities and encourage joint-use facilities, programming, and activities.
    - **Action ED-EJ-1.4:** Partner with school districts, universities, colleges to offer literacy and language education programs at City facilities in environmental justice communities for all generations.
    - **Action ED-EJ-1.5:** Implement the PACT by identifying and implementing pedestrian, bicycle, and transit network improvements in environmental justice communities that will benefit the Safe Routes to School programs for public school districts, charter, and private K-12 schools.

Noise Element

- **Policy N-EJ-1.0:** Noise: With a particular focus on environmental justice communities, reduce noise pollution by enforcing noise reduction and control measures within and adjacent to residential neighborhoods.
    - **Action N-EJ-1.1:** Conduct outreach to help identify neighborhoods subject to excessive ambient noise pollution.
    - **Action N-EJ-1.2:** Identify and pursue funding sources to assist residents in environmental justice communities, including identification of possible resources, to achieve healthy noise levels.
    - **Action N-EJ-1.3:** Develop prescriptive sound transmission control standard construction plans designed to reduce interior noise levels according to the requirements of the City's Noise Code.

Air Quality Element

- **Policy AQ-EJ-1.0:** Air Quality: Ensure that land use decisions, including enforcement actions, are made in an equitable fashion to protect residents and workers in environmental justice communities from the short- and long-term effects of air pollution.

- **Action AQ-EJ-1.1:** Develop standards to minimize indoor and outdoor air pollution for new housing development by minimizing air emissions for new development near pollution sources such as freeways or industrial uses.
- **Action AQ-EJ-1.2:** Pursue incentives and funding to implement best practices to identify and reduce pollution exposure in environmental justice communities developed through the California Air Resources Board's Community Air Protection Program.

Parks and Recreation Element

- **Policy PR-EJ-1.0:** Parks and Recreation: Distribute recreational facilities equitably throughout Riverside's neighborhoods.
  - **Action PR-EJ-1.1:** Complete an analysis of the City's open space network to reduce gaps in connectivity and identify unsafe conditions to provide safe circulation and link pedestrians to parks and recreational amenities.
  - **Action PR-EJ-1.2:** Identify and reuse vacant and underutilized land within environmental justice communities to help improve local access to recreational amenities.
  - **Action PR-EJ-1.3:** Collaborate with residents to transform City-owned parcels into usable open space based on specific criteria that assess potential of the site.
  - **Action PR-EJ-1.4:** Pursue grants and other funding opportunities to create parks and open space within environmental justice communities in the City.

Public Facilities and Infrastructure Element

- **Policy FI-EJ-1.0:** Health Care: Coordinate with healthcare providers to expand healthcare access for residents of environmental justice communities.
  - **Action FI-EJ-1.1:** Collaborate with health care and medical service providers to improve access to health care to improve the overall health and wellness of environmental justice community members.
  - **Action FI-EJ-1.2:** Develop a promotional program to encourage retrofit and weatherization of existing housing that results in energy efficiency/conservation to improve economic stability and improved health for residents of environmental justice communities.

Arts and Culture Element

- **Policy AC-EJ-1.0:** Arts and Culture: Promote equitable distribution of arts and cultural facilities across the City.
  - **Action AC-EJ-1.1:** Evaluate the feasibility of an Arts in Public Places program that requires a percentage-based developer fee for new construction projects with a market value above a certain amount.
  - **Action AC-EJ-1.2:** Develop an action plan with local artists, the community, and school districts to develop a program that addresses promotes public art, identifies possible funding mechanism, and includes public art in environmental justice communities.

- **Action AC-EJ-1.3:** Work with Riverside Unified School District, Alvord Unified School District, and others to support current and create new formal arts program that recognize the work of K-12 schools and students.
- **Action AC-EJ-1.4:** Evaluate and prioritize the distribution of arts facilities within the City through a program that includes community outreach and possible funding opportunities, such as the implementation of micro-grant program.

Historic Preservation Element

- **Policy HP-EJ-1.0:** Historic Preservation: Encourage identification and preservation of historic and cultural resources associated with communities whose histories and historical contributions are not well documented.
  - **Action HP-EJ-1.1:** Promote historic designation of sites associated with underrepresented communities, including but not limited to, those identified in the Japanese American, Chinese American, and Latino and other Context Statements.
  - **Action HP-EJ-1.2:** Promote the Points of Cultural Interest Program for environmental justice communities and underrepresented communities such as those related to the civil rights movements or social injustices.
  - **Action HP-EJ-1.3:** Promote the City's Mills Act Program to encourage the restoration and preservation of qualified historic buildings in environmental justice communities by targeting outreach within these communities.

Appendix C

Air Quality and Greenhouse Gas Modeling Inputs

Date: 7/1/2021 2:19 PM

City of Riverside HE Update Project 2029 - Riverside-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

City of Riverside HE Update Project 2029

Riverside-South Coast County, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Apartments Low Rise	31,564.00	Dwelling Unit	1,972.75	31,564,000.00	101008
Regional Shopping Center	3,181.93	1000sqft	73.05	3,181,930.00	3320

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.4	**Precipitation Freq (Days)**	28
Climate Zone	10			**Operational Year**	2029
Utility Company	Riverside Public Utilities/City of Riverside				
CO2 Intensity (lb/MWhr)	379	**CH4 Intensity (lb/MWhr)**	0	**N2O Intensity (lb/MWhr)**	0

1.3 User Entered Comments & Non-Default Data

Project Characteristics - Updates to CO2e intensity made per City of Riverside Public Utilities 2018 Integrated Resource Plan (Table 17.3.4, https://www.riversideca.gov/utilities/about-rpu/pdf/RPU_Full_IRP_2018_Final.pdf).

Land Use - Land use changes provided by Fehr & Peers (Email from Delia Votsch to Matthew McFalls 6/3/2021). Population data provided by Fehr & Peers.

Construction Phase - Operations only.

Off-road Equipment -

Vehicle Trips - Mobile emissions estimated in EMFAC2021 with VMT data from Fehr & Peers.

Area Mitigation - SCAQMD Rule 445

Waste Mitigation -

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	6,000.00	0.00
tblLandUse	Population	90,273.00	101,008.00
tblLandUse	Population	0.00	3,320.00
tblProjectCharacteristics	CH4IntensityFactor	0.033	0

City of Riverside HE Update Project 2029 - Riverside-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

tblProjectCharacteristics	CO2IntensityFactor	789.98	379
tblProjectCharacteristics	N2OIntensityFactor	0.004	0
tblVehicleTrips	ST_TR	8.14	0.00
tblVehicleTrips	ST_TR	46.12	0.00
tblVehicleTrips	SU_TR	6.28	0.00
tblVehicleTrips	SU_TR	21.10	0.00
tblVehicleTrips	WD_TR	7.32	0.00
tblVehicleTrips	WD_TR	37.75	0.00

2.0 Emissions Summary

2.2 Overall Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	828.30	29.97	2601.93	0.14		14.44	14.44		14.44	14.44	0.00	4689.60	4689.60	4.49	0.00	4801.90
Energy	14.31	122.43	52.88	0.78		9.89	9.89		9.89	9.89		156143.26	156143.26	2.99	2.86	157071.14
Mobile	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00	0.00	0.00	0.00	0.00
Total	**842.62**	**152.40**	**2654.80**	**0.92**	**0.00**	**24.33**	**24.33**	**0.00**	**24.33**	**24.33**	**0.00**	**160832.86**	**160832.86**	**7.48**	**2.86**	**161873.04**

5.0 Energy Detail

5.2 Energy by Land Use - NaturalGas

City of Riverside HE Update Project 2029 - Riverside-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Apartments Low Rise	1308.04	14.1063	120.5448	51.2957	0.7694		9.7462	9.7462		9.7462	9.7462		153,886.9374	153,886.9374	2.9495	2.8213	154,801.4105
Regional Shopping Center	19.1788	0.2068	1.8803	1.5794	0.0113		0.1429	0.1429		0.1429	0.1429		2,256.3243	2,256.3243	0.0433	0.0414	2,269.7325
Total		**14.3131**	**122.4250**	**52.8751**	**0.7807**		**9.8891**	**9.8891**		**9.8891**	**9.8891**		**156,143.2616**	**156,143.2616**	**2.9928**	**2.8626**	**157,071.1430**

6.0 Area Detail

6.2 Area by SubCategory

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	62.19					0.00	0.00		0.00	0.00			0.00			0.00
Consumer Products	687.97					0.00	0.00		0.00	0.00			0.00			0.00
Hearth	0.00	0.00	0.00	0.00		0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Landscaping	78.14	29.97	2601.93	0.14		14.44	14.44		14.44	14.44		4689.60	4689.60	4.49		4801.90
Total	**828.30**	**29.97**	**2601.93**	**0.14**		**14.44**	**14.44**		**14.44**	**14.44**	**0.00**	**4689.60**	**4689.60**	**4.49**	**0.00**	**4801.90**

City of Riverside HE Update Project 2029 - Riverside-South Coast County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

City of Riverside HE Update Project 2029

Riverside-South Coast County, Annual

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1.2 Other Project Characteristics

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Climate Zone	10			**Operational Year**	2029
Utility Company	Riverside Public Utilities/City of Riverside				
CO2 Intensity (lb/MWhr)	379	**CH4 Intensity (lb/MWhr)**	0	**N2O Intensity (lb/MWhr)**	0

1.3 User Entered Comments & Non-Default Data

Project Characteristics - Updates to CO2e intensity made per City of Riverside Public Utilities 2018 Integrated Resource Plan (Table 17.3.4, https://www.riversideca.gov/utilities/about-rpu/pdf/RPU_Full_IRP_2018_Final.pdf).

Land Use - Land use changes provided by Fehr & Peers (Email from Delia Votsch to Matthew McFalls 6/3/2021). Population data provided by Fehr & Peers.

Construction Phase - Operations only.

Off-road Equipment -

Vehicle Trips - Mobile emissions estimated in EMFAC2021 with VMT data from Fehr & Peers.

Area Mitigation - SCAQMD Rule 445

Waste Mitigation -

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	6,000.00	0.00
tblLandUse	Population	90,273.00	101,008.00
tblLandUse	Population	0.00	3,320.00

City of Riverside HE Update Project 2029 - Riverside-South Coast County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

tblProjectCharacteristics	CH4IntensityFactor	0.033	0
tblProjectCharacteristics	CO2IntensityFactor	789.98	379
tblProjectCharacteristics	N2OIntensityFactor	0.004	0
tblVehicleTrips	ST_TR	8.14	0.00
tblVehicleTrips	ST_TR	46.12	0.00
tblVehicleTrips	SU_TR	6.28	0.00
tblVehicleTrips	SU_TR	21.10	0.00
tblVehicleTrips	WD_TR	7.32	0.00
tblVehicleTrips	WD_TR	37.75	0.00

2.0 Emissions Summary

2.2 Overall Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	146.67	3.75	325.24	0.02		1.80	1.80		1.80	1.80	0.00	531.79	531.79	0.51	0.00	544.53
Energy	2.61	22.34	9.65	0.14		1.80	1.80		1.80	1.80	0.00	55119.02	55119.02	0.50	0.47	55272.64
Mobile	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Waste						0.00	0.00		0.00	0.00	3625.51	0.00	3625.51	214.26	0.00	8982.06
Water						0.00	0.00		0.00	0.00	727.21	7883.17	8610.39	74.69	1.76	11003.25
Total	**149.28**	**26.09**	**334.89**	**0.16**	**0.00**	**3.61**	**3.61**	**0.00**	**3.61**	**3.61**	**4352.73**	**63533.99**	**67886.71**	**289.96**	**2.24**	**75802.47**

5.0 Energy Detail

City of Riverside HE Update Project 2029 - Riverside-South Coast County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

5.2 Energy by Land Use - NaturalGas

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Apartments Low Rise	477434000.00	2.57	22.00	9.36	0.14		1.78	1.78		1.78	1.78	0.00	25477.71	25477.71	0.49	0.47	25629.11
Regional Shopping Center	7000250.00	0.04	0.34	0.29	0.00		0.03	0.03		0.03	0.03	0.00	373.56	373.56	0.01	0.01	375.78
Total		**2.61**	**22.34**	**9.65**	**0.14**		**1.80**	**1.80**		**1.80**	**1.80**	**0.00**	**25851.27**	**25851.27**	**0.50**	**0.47**	**26004.89**

5.3 Energy by Land Use - Electricity

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Apartments Low Rise	131620000.00	22627.04	0.00	0.00	22627.04
Regional Shopping Center	38628600.00	6640.71	0.00	0.00	6640.71
Total		**29267.75**	**0.00**	**0.00**	**29267.75**

6.0 Area Detail

6.2 Area by SubCategory

City of Riverside HE Update Project 2029 - Riverside-South Coast County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	11.35					0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Consumer Products	125.55					0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hearth	0.00	0.00	0.00	0.00		0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Landscaping	9.77	3.75	325.24	0.02		1.80	1.80		1.80	1.80	0.00	531.79	531.79	0.51	0.00	544.53
Total	**146.67**	**3.75**	**325.24**	**0.02**		**1.80**	**1.80**		**1.80**	**1.80**	**0.00**	**531.79**	**531.79**	**0.51**	**0.00**	**544.53**

7.0 Water Detail

7.2 Water by Land Use

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Apartments Low Rise	2056.52 / 1296.5	7732.12	67.01	1.58	9878.94
Regional Shopping Center	235.694 / 144.457	878.27	7.68	0.18	1124.31
Total		**8610.39**	**74.69**	**1.76**	**11003.25**

8.0 Waste Detail

8.2 Waste by Land Use

City of Riverside HE Update Project 2029 - Riverside-South Coast County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

	Waste Disposed		Total CO2	CH4	N2O	CO2e
Land Use	tons	tons/yr	MT/yr			
Apartments Low Rise	14519.40		2947.32	174.18	0.00	7301.85
Regional Shopping Center	3341.03		678.20	40.08	0.00	1680.21
Total			**3625.51**	**214.26**	**0.00**	**8982.06**

City of Riverside HE Update No Project 2021 - Riverside-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

City of Riverside HE Update No Project 2021

Riverside-South Coast County, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	237.32	1000sqft	5.45	237,325.00	0
Government Office Building	541.80	1000sqft	12.44	541,800.00	0
General Heavy Industry	747.07	1000sqft	17.15	747,070.00	0
High Turnover (Sit Down Restaurant)	222.28	1000sqft	5.10	222,275.00	0
Apartments Low Rise	389.00	Dwelling Unit	24.31	389,000.00	1113

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.4	**Precipitation Freq (Days)**	28
Climate Zone	10			**Operational Year**	2021
Utility Company	Riverside Public Utilities/City of Riverside				
CO2 Intensity (lb/MWhr)	774	**CH4 Intensity (lb/MWhr)**	0	**N2O Intensity (lb/MWhr)**	0

1.3 User Entered Comments & Non-Default Data

Project Characteristics - Updates to CO2e intensity made per City of Riverside Public Utilities 2018 Integrated Resource Plan (Table 17.3.4, https://www.riversideca.gov/utilities/about-rpu/pdf/RPU_Full_IRP_2018_Final.pdf).

Land Use - Land use change provided by Fehr & Peers (Email from Delia Votsch to Matthew McFalls 6/3/2021)

Construction Phase - Only Operations.

Off-road Equipment -

Vehicle Trips - Mobile emissions estimated using EMFAC2021.

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	40.00	0.00

City of Riverside HE Update No Project 2021 - Riverside-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

tblLandUse	LandUseSquareFeet	237,320.00	237,325.00
tblLandUse	LandUseSquareFeet	222,280.00	222,275.00
tblProjectCharacteristics	CH4IntensityFactor	0.033	0
tblProjectCharacteristics	CO2IntensityFactor	789.98	774
tblProjectCharacteristics	N2OIntensityFactor	0.004	0
tblVehicleTrips	ST_TR	8.14	0.00
tblVehicleTrips	ST_TR	6.42	0.00
tblVehicleTrips	ST_TR	2.21	0.00
tblVehicleTrips	ST_TR	122.40	0.00
tblVehicleTrips	SU_TR	6.28	0.00
tblVehicleTrips	SU_TR	5.09	0.00
tblVehicleTrips	SU_TR	0.70	0.00
tblVehicleTrips	SU_TR	142.64	0.00
tblVehicleTrips	WD_TR	7.32	0.00
tblVehicleTrips	WD_TR	3.93	0.00
tblVehicleTrips	WD_TR	9.74	0.00
tblVehicleTrips	WD_TR	22.59	0.00
tblVehicleTrips	WD_TR	112.18	0.00

2.0 Emissions Summary

2.2 Overall Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	150.35	8.44	230.17	0.51		29.89	29.89		29.89	29.89	3643.73	7060.17	10703.90	10.92	0.25	11050.68
Energy	2.76	24.97	20.36	0.15		1.90	1.90		1.90	1.90		30077.24	30077.24	0.58	0.55	30255.98

City of Riverside HE Update No Project 2021 - Riverside-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Mobile	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00	0.00	0.00	0.00	0.00
Total	**153.11**	**33.41**	**250.53**	**0.66**	**0.00**	**31.80**	**31.80**	**0.00**	**31.80**	**31.80**	**3643.73**	**37137.41**	**40781.15**	**11.50**	**0.80**	**41306.66**

5.0 Energy Detail

5.2 Energy by Land Use - NaturalGas

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Apartments Low Rise	16120.50	0.17	1.49	0.63	0.01		0.12	0.12		0.12	0.12		1896.53	1896.53	0.04	0.03	1907.80
General Heavy Industry	66172.00	0.71	6.49	5.45	0.04		0.49	0.49		0.49	0.49		7784.94	7784.94	0.15	0.14	7831.20
General Office Building	2230.20	0.02	0.22	0.18	0.00		0.02	0.02		0.02	0.02		262.38	262.38	0.01	0.00	263.94
Government Office Building	5091.44	0.05	0.50	0.42	0.00		0.04	0.04		0.04	0.04		598.99	598.99	0.01	0.01	602.55
High Turnover (Sit Down Restaurant)	166042.00	1.79	16.28	13.67	0.10		1.24	1.24		1.24	1.24		19534.41	19534.41	0.37	0.36	19650.49
Total		**2.76**	**24.97**	**20.36**	**0.15**		**1.90**	**1.90**		**1.90**	**1.90**		**30077.24**	**30077.24**	**0.58**	**0.55**	**30255.98**

6.0 Area Detail

6.2 Area by SubCategory

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e

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City of Riverside HE Update No Project 2021 - Riverside-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

SubCategory	lb/day										lb/day					
Architectural Coating	5.11					0.00	0.00		0.00	0.00			0.00			0.00
Consumer Products	42.32					0.00	0.00		0.00	0.00			0.00			0.00
Hearth	101.93	8.07	197.83	0.50		29.72	29.72		29.72	29.72	3643.73	7002.00	10645.73	10.87	0.25	10991.09
Landscaping	0.99	0.37	32.34	0.00		0.18	0.18		0.18	0.18		58.17	58.17	0.06		59.59
Total	**150.35**	**8.44**	**230.17**	**0.51**		**29.89**	**29.89**		**29.89**	**29.89**	**3643.73**	**7060.17**	**10703.90**	**10.92**	**0.25**	**11050.68**

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

City of Riverside HE Update No Project 2021

Riverside-South Coast County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	237.32	1000sqft	5.45	237,325.00	0
Government Office Building	541.80	1000sqft	12.44	541,800.00	0
General Heavy Industry	747.07	1000sqft	17.15	747,070.00	0
High Turnover (Sit Down Restaurant)	222.28	1000sqft	5.10	222,275.00	0
Apartments Low Rise	389.00	Dwelling Unit	24.31	389,000.00	1113

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.4	**Precipitation Freq (Days)**	28
Climate Zone	10			**Operational Year**	2021
Utility Company	Riverside Public Utilities/City of Riverside				
CO2 Intensity (lb/MWhr)	774	**CH4 Intensity (lb/MWhr)**	0	**N2O Intensity (lb/MWhr)**	0

1.3 User Entered Comments & Non-Default Data

Project Characteristics - Updates to CO2e intensity made per City of Riverside Public Utilities 2018 Integrated Resource Plan (Table 17.3.4, https://www.riversideca.gov/utilities/about-rpu/pdf/RPU_Full_IRP_2018_Final.pdf).

Land Use - Land use change provided by Fehr & Peers (Email from Delia Votsch to Matthew McFalls 6/3/2021)

Construction Phase - Only Operations.

Off-road Equipment -

Vehicle Trips - Mobile emissions estimated using EMFAC2021.

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	40.00	0.00

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

tblLandUse	LandUseSquareFeet	237,320.00	237,325.00
tblLandUse	LandUseSquareFeet	222,280.00	222,275.00
tblProjectCharacteristics	CH4IntensityFactor	0.033	0
tblProjectCharacteristics	CO2IntensityFactor	789.98	774
tblProjectCharacteristics	N2OIntensityFactor	0.004	0
tblVehicleTrips	ST_TR	8.14	0.00
tblVehicleTrips	ST_TR	6.42	0.00
tblVehicleTrips	ST_TR	2.21	0.00
tblVehicleTrips	ST_TR	122.40	0.00
tblVehicleTrips	SU_TR	6.28	0.00
tblVehicleTrips	SU_TR	5.09	0.00
tblVehicleTrips	SU_TR	0.70	0.00
tblVehicleTrips	SU_TR	142.64	0.00
tblVehicleTrips	WD_TR	7.32	0.00
tblVehicleTrips	WD_TR	3.93	0.00
tblVehicleTrips	WD_TR	9.74	0.00
tblVehicleTrips	WD_TR	22.59	0.00
tblVehicleTrips	WD_TR	112.18	0.00

2.0 Emissions Summary

2.2 Overall Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	10.05	0.15	6.52	0.01		0.39	0.39		0.39	0.39	41.32	86.00	127.32	0.13	0.00	131.39
Energy	0.50	4.56	3.72	0.03		0.35	0.35		0.35	0.35	0.00	14266.90	14266.90	0.10	0.09	14296.50

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Mobile	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Waste						0.00	0.00		0.00	0.00	908.39	0.00	908.39	53.68	0.00	2250.49
Water						0.00	0.00		0.00	0.00	131.78	2336.18	2467.97	13.54	0.32	2901.59
Total	**10.56**	**4.70**	**10.23**	**0.03**	**0.00**	**0.74**	**0.74**	**0.00**	**0.74**	**0.74**	**1081.49**	**16689.08**	**17770.58**	**67.44**	**0.41**	**19579.98**

5.0 Energy Detail

5.2 Energy by Land Use - NaturalGas

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Apartments Low Rise	5883980.00	0.03	0.27	0.12	0.00		0.02	0.02		0.02	0.02	0.00	313.99	313.99	0.01	0.01	315.86
General Heavy Industry	24152800.00	0.13	1.18	0.99	0.01		0.09	0.09		0.09	0.09	0.00	1288.88	1288.88	0.02	0.02	1296.54
General Office Building	814025.00	0.00	0.04	0.03	0.00		0.00	0.00		0.00	0.00	0.00	43.44	43.44	0.00	0.00	43.70
Government Office Building	1858370.00	0.01	0.09	0.08	0.00		0.01	0.01		0.01	0.01	0.00	99.17	99.17	0.00	0.00	99.76
High Turnover (Sit Down Restaurant)	60605500.00	0.33	2.97	2.50	0.02		0.23	0.23		0.23	0.23	0.00	3234.14	3234.14	0.06	0.06	3253.36
Total		**0.50**	**4.56**	**3.72**	**0.03**		**0.35**	**0.35**		**0.35**	**0.35**	**0.00**	**4979.63**	**4979.63**	**0.10**	**0.09**	**5009.22**

5.3 Energy by Land Use - Electricity

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Apartments Low Rise	1622110.00	569.49	0.00	0.00	569.49
General Heavy Industry	7410930.00	2601.83	0.00	0.00	2601.83
General Office Building	2181020.00	765.71	0.00	0.00	765.71
Government Office Building	4979140.00	1748.08	0.00	0.00	1748.08
High Turnover (Sit Down Restaurant)	10260200.00	3602.16	0.00	0.00	3602.16
Total		**9287.28**	**0.00**	**0.00**	**9287.28**

6.0 Area Detail

6.2 Area by SubCategory

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.93					0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Consumer Products	7.72					0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hearth	1.27	0.10	2.47	0.01		0.37	0.37		0.37	0.37	41.32	79.40	120.72	0.12	0.00	124.64
Landscaping	0.12	0.05	4.04	0.00		0.02	0.02		0.02	0.02	0.00	6.60	6.60	0.01	0.00	6.76
Total	**10.05**	**0.15**	**6.52**	**0.01**		**0.39**	**0.39**		**0.39**	**0.39**	**41.32**	**86.00**	**127.32**	**0.13**	**0.00**	**131.39**

City of Riverside HE Update No Project 2021 - Riverside-South Coast County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

7.0 Water Detail

7.2 Water by Land Use

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Apartments Low Rise	25.3449 / 15.9783	186.2265	0.8259	0.0195	212.6842
General Heavy Industry	172.76 / 0	844.5668	5.6294	0.1329	1,024.91
General Office Building	42.1798 / 25.8521	307.0394	1.3744	0.0325	351.0712
Government Office Building	107.634 / 65.9691	783.4994	3.5073	0.0828	895.8591
High Turnover (Sit Down Restaurant)	67.4695 / 4.30656	346.634	2.1985	0.0519	417.0658
Total		**2,467.97**	**13.5354**	**0.3196**	**2,901.59**

8.0 Waste Detail

8.2 Waste by Land Use

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Apartments Low Rise	178.94	36.32	2.15	0.00	89.99

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

General Heavy Industry	926.37	188.04	11.11	0.00	465.87
General Office Building	220.71	44.80	2.65	0.00	111.00
Government Office Building	503.87	102.28	6.04	0.00	253.40
High Turnover (Sit Down Restaurant)	2645.13	536.94	31.73	0.00	1330.24
Total		**908.39**	**53.68**	**0.00**	**2250.49**

Mobile Emissions Summary

Year	Condition	VehType	VMT (per day)	Running (RUNEX, PMTW, PMBW) grams per mile											Pounds per day									Metric Tons Per Year			
				ROG	NOx	CO	PM10 Ex	PM10 D	PM2.5 Ex	PM2.5 D	SO2	CO2	CH4	N2O	ROG	NOx	CO	PM10 Ex	PM10 D	PM2.5 Ex	PM2.5 D	SO2	CO2	CH4	N2O	CO2e
2029	Project Baseline	Passenger Car	1,615,587	0.01	0.05	0.76	0.00	0.02	0.00	0.01	0.00	291	0.01	0.01	42	163	2,708	4	61	4	18	10	163,203	0	0	163,203
2029	Project Baseline	Light Truck	18,063	0.03	0.33	0.44	0.01	0.09	0.01	0.03	0.00	505	0.00	0.04	1	13	18	0	3	0	1	0	3,166	0	0	3,166
2029	Project Baseline	Medium Truck	30,486	0.01	0.48	0.16	0.01	0.05	0.01	0.02	0.01	1,077	0.01	0.13	1	32	11	0	4	0	1	1	11,391	0	0	11,391
2029	Project Baseline	Heavy Truck	10,058	0.01	1.40	0.44	0.02	0.12	0.02	0.04	0.01	1,399	0.06	0.22	0	31	10	1	3	1	1	0	4,882	0	0	4,882
2029	*Total*		*1,674,194*												*45*	*239*	*2,747*	*5*	*70*	*5*	*22*	*11*	*182,642*	*0*	*0*	*182,642*

Appendix D

Potential for Special-Status Species Occurrence

Appendix D
Potential for Special-Status Species Occurrence

Common/Scientific Name	Status[a] FED/STATE/ CNPS/ MSHCP	Species Requirements	Specific Habitat[b] Present/ Absent	Rationale
Plants				
chaparral sand-verbena (*Abronia villosa* var. *aurita*)	–/–/1B.1/–	Annual herb. Sandy soils in chaparral, coastal scrub, and desert dunes, mostly on broad alluvial fans and benches. Known to occur in northern Orange County, western Riverside County, San Bernardino County, San Diego County, and southern Imperial County. Elevation range: 246–5,248 ft. Blooming period: January–September.	HP	Potentially suitable habitat is present in the City in association with the Santa Ana River floodplain. This species is not expected to occur outside of the Santa Ana River floodplain.
Munz's onion (*Allium munzii*)	E/T/1B.1/ MSHCP(b)	Perennial bulbiferous herb. Mesic exposures or seasonally moist microsites in grassy openings in coastal sage scrub, chaparral, juniper woodland, and valley and foothill grasslands in clay soils. Associated with a special "clay soil flora" and is only known from Riverside County. At least one population (Bachelor Mountain) is reported to be associated with pyroxenite outcrops instead of clay. Elevation range: 974–3,510 ft. Blooming period: March–May.	HP	Potentially suitable habitat is present in the City. MSHCP: This species is a Narrow Endemic Plant Species. The City lies outside of the MSHCP survey area for the species (Areas 1, 2, and 4).
San Diego ambrosia (*Ambrosia pumila*)	E/–/1B.1/ MSHCP(b)	Perennial rhizomatous herb. Open floodplain terraces, watershed margins of vernal pools, or alkali playas in a variety of associations that are dominated by sparse non-native grasslands or ruderal habitat. Elevation range: less than 1,600 ft. in known Riverside County populations and less than 600 ft. in San Diego County. Blooming period: April–October.	HP	Suitable habitat is present within the City. MSHCP: This is a Narrow Endemic Plant Species (Area 7) for the City.

Common/Scientific Name	Status[a] FED/STATE/ CNPS/ MSHCP	Species Requirements	Specific Habitat[b] Present/ Absent	Rationale
marsh sandwort (*Arenaria paludicola*)	E/E/1B.1/–	Perennial stoloniferous herb. Sandy soils and openings in marshes and swamps (freshwater or brackish). Elevation range: 10–550 ft. Blooming period: May–August.	A	There are no records of occurrence of this species in Riverside County. As such, this species is considered absent from the City.
western spleenwort (*Asplenium vespertinum*)	–/–/4.2/–	Perennial rhizomatous herb. Rocky soils in chaparral, cismontane woodland, and coastal scrub. Elevation range: 600–3,300 ft. Blooming period: February–June.	HP	Potentially suitable habitat is present in the City.
Horn's milk-vetch (*Astragalus hornii* var. *hornii*)	–/–/1B.1/–	Annual herb. Lake margins and alkaline soils in meadows, seeps, and playas. Elevation range: 195–2,790 ft. Blooming period: May–October.	HP	Potentially suitable habitat is present in the City.
Nevin's barberry (*Berberis nevinii*)	E/E/1B.1/ MSHCP(d)	Evergreen shrub. Sandy or gravelly soils in chaparral, cismontane woodland, coastal scrub, and riparian scrub. Elevation range: 898–2,707 ft. Blooming period: March–June.	HP	Potentially suitable habitat is present in the City. MSHCP: The eastern portion of the City is within a Criteria Area (Area 6) for this species.
thread-leaved brodiaea (*Brodiaea filifolia*)	T/E/1B.1/ MSHCP(d)	Perennial bulbiferous herb. Clay soils in openings in chaparral, cismontane woodland, coastal scrub, playas, valley and foothill grassland, and vernal pools. Elevation range: 82–3,673 ft. Blooming period: March–June.	HP	Potentially suitable habitat is present in the City. MSHCP: The City lies outside the MSHCP survey area for the species (Criteria Area 3).
Plummer's mariposa lily (*Calochortus plummerae*)	–/–/4.2/ MSHCP(e)	Perennial bulbiferous herb. Granitic and rocky areas in chaparral, cismontane woodland, coastal scrub, lower montane coniferous forest, and valley and foothill grassland. Elevation range: 328–5,576 ft. Blooming period: May–July.	HP	Potentially suitable habitat is present in the City. MSHCP: MSHCP-specific conservation requirements would be necessary in portions of the City containing suitable habitat for this species.

Common/Scientific Name	Status[a] FED/STATE/ CNPS/ MSHCP	Species Requirements	Specific Habitat[b] Present/ Absent	Rationale
bristly sedge (*Carex comosa*)	–/–/2B.1/–	Perennial rhizomatous herb. Coastal prairie, marshes and swamps around lake margins, and valley and foothill grassland. Elevation range: sea level to 2,000 ft. Blooming period: May–September.	HA	Not expected to occur in the City. The only record of occurrence for this species within the region is from 1882 and is now extirpated. All other records for this species are located in central and northern California.
Payson's jewel-flower (*Caulanthus simulans*)	–/–/4.2/ MSHCP	Annual herb. Sandy and granitic soils in chaparral and coastal scrub. Elevation range: 295–7,218 ft. Blooming period: February–June.	HP	Potentially suitable habitat is present in the City. MSHCP: This species is fully covered by the MSHCP.
smooth tarplant (*Centromadia pungens* ssp. *laevis*)	–/–/1B.1/ MSHCP(d)	Annual herb. Alkaline soils in chenopod scrub, meadows and seeps, playas, riparian woodland, and valley and foothill grassland. Elevation range: sea level to 2,100 ft. Blooming period: April–September.	HP	Potentially suitable habitat is present in the City. MSHCP: The City lies outside the MSHCP survey area for the species (Criteria Areas 1, 2, 3, and 4).
salt marsh bird's-beak (*Chloropyron maritimum* ssp. *maritimum*)	E/E/1B.1/–	Hemiparasitic annual herb. Coastal dunes and coastal salt marshes and swamps. Elevation range: sea level to 90 ft. Blooming period: May–October.	HA	No suitable habitat is present within the City. The only record of occurrence for this species within the region is from 1888 and it is presumed extirpated.
Peninsular spineflower (*Chorizanthe leptotheca*)	–/–/4.2/ MSHCP	Annual herb. Alluvial fans or granitic areas in chaparral, coastal scrub, and lower montane coniferous forest. Elevation range: 984–6,232 ft. Blooming period: May–August.	HP	Potentially suitable habitat is present in the City. MSHCP: This species is fully covered by the MSHCP.
Parry's spineflower (*Chorizanthe parryi* var. *parryi*)	–/–/1B.1/ MSHCP(e)	Annual herb. Sandy or rocky openings in chaparral, coastal scrub, cismontane woodland, and valley and foothill grassland. Elevation range: 902–4,001 ft. Blooming period: April–June.	HP	Potentially suitable habitat is present in the City. MSHCP: MSHCP-specific conservation requirements would be necessary in portions of the City containing suitable habitat for this species.

Common/Scientific Name	Status[a] FED/STATE/ CNPS/ MSHCP	Species Requirements	Specific Habitat[b] Present/ Absent	Rationale
long-spined spineflower (*Chorizanthe polygonoides* var. *longispina*)	–/–/1B.2/ MSHCP	Annual herb. Associated primarily with heavy, often rocky, clay soils in southern needlegrass grassland, and openings in coastal sage scrub, chaparral, valley and foothill grasslands, and vernal pools. Elevation range: 98–5,020 ft. Blooming period: April–July.	HP	Potentially suitable habitat is present in the City. MSHCP: This species is fully covered by the MSHCP.
small-flowered morning-glory (*Convolvulus simulans*)	–/–/4.2/ MSHCP	Annual herb. Friable clay soils or serpentine seeps in chaparral openings, coastal scrub, and valley and foothill grassland. Elevation range: 98–2,297 ft. Blooming period: March–July.	HP	Potentially suitable habitat is present in the City. MSHCP: This species is fully covered by the MSHCP.
Peruvian dodder (*Cuscuta obtusiflora* var. *glandulosa*)	–/–/2B.2/–	Annual parasitic vine. Freshwater marshes and swamps. Elevation range: 49–918 ft. Blooming period: July–October.	HP	Potentially suitable habitat is present in the City.
snake cholla (*Cylindropuntia californica* var. *californica*)	–/–/1B.1/–	Perennial stem succulent. Chaparral and coastal scrub. Elevation range: 100–500 ft. Blooming period: April–May.	HP	Potentially suitable habitat is present in the City.
paniculate tarplant (*Deinandra paniculata*)	–/–/4.2/–	Annual herb. Vernally mesic soils in coastal scrub, valley and foothill grassland, and vernal pools. Elevation range: 82–3,084 ft. Blooming period: April–November.	HP	Potentially suitable habitat is present in the City.
slender-horned spineflower (*Dodecahema leptoceras*)	E/E/1B.1/ MSHCP(b)	Annual herb. Sandy soils in chaparral, cismontane woodland, and alluvial fan coastal scrub. Elevation range: 656–2,493 ft. Blooming period: April–June.	HP	Potentially suitable habitat is present in the City. MSHCP: This species is a Narrow Endemic Plant Species. The City lies outside of the MSHCP survey area for the species (Areas 1 and 5).

Common/Scientific Name	Status[a] FED/STATE/ CNPS/ MSHCP	Species Requirements	Specific Habitat[b] Present/ Absent	Rationale
many-stemmed dudleya (*Dudleya multicaulis*)	–/–/1B.2/ MSHCP(b)	Perennial herb. Usually in poor soils, often on clay or at the margins of gabbroic rock outcrops in chaparral, coastal sage scrub, and valley and foothill grassland communities. Elevation range: 49–2,591 ft. Blooming period: April–July.	HP	Potentially suitable habitat is present in the City. MSHCP: This species is a Narrow Endemic Plant Species. The City lies outside of the MSHCP survey area for the species (Areas 1, 2, and 10).
Santa Ana River woollystar (*Eriastrum densifolium* ssp. *sanctorum*)	E/E/1B.1/ MSHCP	Perennial herb. Sandy to gravelly soil in chaparral and coastal scrub in alluvial fans. Elevation range: 299–2,001 ft. Blooming period: April–September.	HP	Suitable habitat is present within the City. MSHCP: This species is fully covered by the MSHCP.
Alvin Meadow bedstraw (*Galium californicum* ssp. *primum*)	–/–/1B.2/ MSHCP(f)	Perennial herb. Granitic to sandy soil in chaparral and lower montane coniferous forests. Elevation range: 4,428–5,576 ft. Blooming period: May–July.	HP	Potentially suitable habitat is present in the City. MSHCP: Considered to be Covered Species Adequately Conserved when a Memorandum of Understanding is executed with the Forest Service that addresses management for these species on Forest Service Land.
Palmer's grapplinghook (*Harpagonella palmeri*)	–/–/4.2/ MSHCP	Annual herb. Chaparral, coastal scrub, and valley and foothill grasslands in open grassy areas. Often associated with clay soils. Elevation range: 65–3,130 ft. Blooming period: March–May.	HP	Potentially suitable habitat is present in the City. MSHCP: This species is fully covered by the MSHCP.
Los Angeles sunflower (*Helianthus nuttallii* ssp. *parishii*)	–/–/1A/–	Perennial rhizomatous herb. Marshes and swamps (coastal salt and freshwater). Elevation range: 30–5,500 ft. Blooming period: August–October.	HP	Potentially suitable habitat is present in the City.

Common/Scientific Name	Status[a] FED/STATE/ CNPS/ MSHCP	Species Requirements	Specific Habitat[b] Present/ Absent	Rationale
mesa horkelia (*Horkelia cuneata* var. *puberula*)	–/–/1B.1/–	Perennial herb. Sandy and gravelly soils within maritime chaparral, cismontane woodland, and coastal scrub. Elevation range: 229–2,657 ft. Blooming period: February–September.	HP	Potentially suitable habitat is present in the City.
Coulter's goldfields (*Lasthenia glabrata* ssp. *coulteri*)	–/–/1B.1/ MSHCP(d)	Annual herb. Coastal salt marsh, coastal salt swamps, playas, and vernal pools. Elevation range: 3–4,001 ft. Blooming period: February–June.	HP	Potentially suitable habitat is present in the City. MSHCP: The City lies outside the MSHCP survey area for the species (Criteria Area 1).
Robinson's pepper-grass (*Lepidium virginicum* var. *robinsonii*)	–/–/4.3/–	Annual herb. Openings in chaparral and sage scrub. Elevation range: Below 2,900 ft. Blooming period: January–July.	HP	Potentially suitable habitat is present in the City.
Parish's desert-thorn (*Lycium parishii*)	–/–/2B.3/–	Perennial shrub. Coastal scrub and Sonoran desert scrub. Elevation range: 440–3,280 ft. Blooming period: March–April.	HA	Not expected to occur in the City. The only records of occurrence for the region are from the 1880s.
Parish's bush-mallow (*Malacothamnus parishii*)	–/–/1A/–	Deciduous shrub. Chaparral and coastal scrub. Elevation range: 1,000–1,500 ft. Blooming period: June–July.	HP	Potentially suitable habitat is present in the City.
Pringle's monardella (*Monardella pringlei*)	–/–/1A/–	Annual herb. Sandy soils in coastal scrub habitat. Elevation range: 984–1,312 ft. Blooming period: May–June.	HP	Potentially suitable habitat is present in the City.
little mousetail (*Myosurus minimus* ssp. *apus*)	–/–/3.1/ MSHCP(d)	Annual herb. Valley and foothill grassland, alkaline vernal pools. Elevation range: 65–2,100 ft. Blooming period: March–June.	HP	Potentially suitable habitat is present in the City. MSHCP: The City lies outside the MSHCP survey area for the species (Criteria Areas 1, 2, 3, and 4).

Common/Scientific Name	Status[a] FED/STATE/ CNPS/ MSHCP	Species Requirements	Specific Habitat[b] Present/ Absent	Rationale
Gambel's water cress (*Nasturtium gambelii*)	E/T/1B.1/–	Perennial rhizomatous herb. Freshwater to brackish marshes and swamps. Elevation range: 15–1,200 ft. Blooming period: April–October.	A	There are no records of occurrence for this species in Riverside County. As such, this species is considered absent from the City.
spreading navarretia (*Navarretia fossalis*)	T/–/1B.1/ MSHCP(b)	Annual herb. Associated with vernal pools and depressions and ditches in areas that once supported vernal pools. Elevation range: 98–2,150 ft. Blooming period: April–June.	HP	Potentially suitable habitat is present in the City. MSHCP: This species is a Narrow Endemic Plant Species. The City lies outside of the MSHCP survey area for the species (Area 3).
Brand's star phacelia (*Phacelia stellaris*)	–/–/1B.1/ MSHCP(b)	Annual herb. Coastal dunes and coastal scrub habitats in sandy openings, sandy benches, dunes, sandy washes, or flood plains of rivers. Restricted to clay soils. Elevation range: 3–1,312 ft. Blooming period: March–June.	HP	Potentially suitable habitat is present in the City. MSHCP: This is a Narrow Endemic Plant Species (Area 7) for the City.
Parish's gooseberry (*Ribes divaricatum* var. *parishii*)	–/–/1A/–	Perennial deciduous shrub. Riparian woodland. Elevation range: 200–1,000 ft. Blooming period: February–April.	HP	Potentially suitable habitat is present in the City.
Coulter's matilija poppy (*Romneya coulteri*)	–/–/4.2/ MSHCP	Perennial rhizomatous herb. Chaparral and coastal scrub, often in burned areas. Elevation range: 65–3,936 ft. Blooming period: March–July.	HP	Potentially suitable habitat is present in the City. MSHCP: This species is fully covered by the MSHCP.
Gambel's watercress (*Rorippa gambellii*)	E/T/1B.1/–	Perennial rhizomatous herb. Freshwater or brackish marshes and swamps. Elevation range: 16–1,083 ft. Blooming period: April–October.	A	There are no records of occurrence for this species in Riverside County. As such, this species is considered absent from the City.
chaparral ragwort (*Senecio aphanactis*)	–/–/2B.2/–	Annual herb. Chaparral, cismontane woodland, and coastal scrub. Elevation range: 50–2,620 ft. Blooming period: January–April.	HP	Potentially suitable habitat is present in the City.

Common/Scientific Name	Status[a] FED/STATE/ CNPS/ MSHCP	Species Requirements	Specific Habitat[b] Present/ Absent	Rationale
salt spring checkerbloom (*Sidalcea neomexicana*)	–/–/2B.2/–	Perennial herb. Alkaline and mesic soils within chaparral, coastal scrub, lower montane coniferous forest, Mojavean desert scrub, and playas. Elevation range: 49–5,020 ft. Blooming period: March–June.	HP	Potentially suitable habitat is present in the City.
prairie wedge grass (*Sphenopholis obtusata*)	–/–/2B.2/–	Perennial herb. Mesic soils within cismontane woodland, and meadows and seeps. Elevation range: 984–6,562 ft. Blooming period: April–July.	HP	Potentially suitable habitat is present in the City.
San Bernardino aster (*Symphyotrichum defoliatum*)	–/–/1B.2/–	Perennial rhizomatous herb. Near ditches, streams, and springs in cismontane woodland, coastal scrub, lower montane coniferous forest, meadows and seeps, marshes and swamps, and vernally mesic valley and foothill grassland. Elevation range: 7–6,693 ft. Blooming period: July–November.	HP	Potentially suitable habitat is present in the City.
woven-spored lichen (*Texosporium sancti-jacobi*)	–/–/3/–	Crustose lichen (terricolous). Restricted to occurring on biotic crusts in arid and semi-arid habitats, such as chaparral or on decaying organic matter. Intolerant of disturbed sites. Elevation range: 951–2,165 ft.	HP	Potentially suitable habitat is present in the City.
Invertebrates				
Crotch bumble bee (*Bombus crotchii*)	–/CE/–/–	Generally inhabits grasslands and scrublands and nests underground. In the winter this species probably inhabits soft, disturbed soil or winters under leaf litter or other loose debris. Utilizes plants in the genera *Antirrhinum*, *Phacelia*, *Clarkia*, *Dendromecon*, *Eschscholzia*, and *Eriogonum.*	HP	Potentially suitable scrub and grassland habitats are present in the City.

Common/Scientific Name	Status[a] FED/STATE/ CNPS/ MSHCP	Species Requirements	Specific Habitat[b] Present/ Absent	Rationale
vernal pool fairy shrimp (*Branchinecta lynchi*)	T/–/–/ MSHCP(a)	Restricted to seasonal vernal pools. The vernal pool fairy shrimp prefers cool-water pools that have low to moderate dissolved solids, which are unpredictable, and often short-lived.	HP	Potentially suitable habitat is present in pools and depressional features throughout the valley portion of the City. MSHCP: This species is a Wetlands Area and Species-Specific Objectives species.
Quino checkerspot butterfly (*Euphydryas editha quino*) (=*E. e. wrighti*)	E/–/–/ MSHCP	Habitat associations seem to be tied to both host plant species and topography. Larvae feed on *Plantago erecta*, *Plantago patagonia*, *Antirrhinum coulterianum*, *Cordylanthus rigidus* (and possibly other *Plantago* species), *Collinsia concolor*, and *Castilleja exserta*. Adults nectar mostly on small annuals; often occur on open or sparsely vegetated rounded hilltops, ridgelines, and occasionally rocky outcrops. Habitat components have been found in association with, but not restricted to vernal pools, sage scrub, chaparral, native and nonnative grassland, and open oak and juniper woodland communities. The key component seems to be open-canopied habitats.	HP	Potentially suitable habitat is present in scrub, grassland, and woodland habitats in the valley and lower foothill portions of the City. MSHCP: This species is fully covered by the MSHCP.
Delhi sands flower-loving fly (*Rhaphiomidas terminatus abdominalis*)	E/–/–/ MSHCP	Found within 12 distinct locations within the cities of Colton, Rialto, and Fontana. Only found in areas with Delhi sands and is typically associated with the following native plants: California buckwheat (*Eriogonum fasciculatum*), telegraph plant *(Heterotheca grandiflora*), and California croton (*Croton californica*). Low tolerance to disturbances.	A	Suitable Delhi sand soils are not present within the City. MSHCP: This species is fully covered by the MSHCP.

Common/Scientific Name	Status[a] FED/STATE/ CNPS/ MSHCP	Species Requirements	Specific Habitat[b] Present/ Absent	Rationale
Riverside fairy shrimp (*Streptocephalus woottoni*)	E/–/–/ MSHCP(a)	Restricted to deep seasonal vernal pools, vernal pool like ephemeral ponds, and stock ponds and other human modified depressions. Species prefers warm–water pools that have low to moderate dissolved solids, are less predictable, and remain filled for extended periods of time. Basins that support Riverside fairy shrimp are typically dry a portion of the year, but usually are filled by late fall, winter, or spring rains, and may persist through. All known habitat lies within annual grasslands, which may be interspersed through chaparral or coastal sage scrub vegetation. In Riverside County, found in pools formed over the following soils: Murrieta stony clay loams, Las Posas series, Wyman clay loam, and Willows soils.	HP	Potentially suitable habitat is present in pools and depressional features throughout the valley portion of the City. MSHCP: This species is a Wetlands Area and Species-Specific Objectives species.
Fish				
Santa Ana sucker (*Catostomus santaanae*)	T/–/–/ MSHCP	Occurs in stream channels with a mosaic of loose sand, gravel, cobble, and boulder substrates in riffles, runs, pools, and shallow sandy stream margins with cool, running water. Historical range included the Los Angeles, San Gabriel, and Santa Ana river drainage systems in southern California. An introduced population also occurs in the Santa Clara River drainage system.	HP CH	Suitable habitat is present in the City within the wetted portions of the Santa Ana River and its tributaries. Known populations occur within portions of the Santa Ana River downstream of the drop structure located south of La Cadena Drive in San Bernardino County. Critical habitat occurs within the City. MSHCP: This species is fully covered under the MSHCP.

Common/Scientific Name	Status[a] FED/STATE/ CNPS/ MSHCP	Species Requirements	Specific Habitat[b] Present/ Absent	Rationale
arroyo chub (*Gila orcuttii*)	–/CSC/–/ MSHCP	Occurs in perennial streams or intermittent streams with permanent pools and slow water sections of streams with mud or sand substrates. Spawning occurs in pools. Native to Los Angeles, San Gabriel, San Luis Rey, Santa Ana, and Santa Margarita river systems; introduced in Santa Ynez, Santa Maria, Cuyama, and Mojave river systems and smaller coastal streams.	HP	Suitable habitat is present in the City within the wetted portions of the Santa Ana River and its tributaries. MSHCP: This species is fully covered under the MSHCP.
steelhead, southern California coast distinct population segment (*Oncorhynchus mykiss irideus*)	E/CSC/–/–	An anadromous fish that has physiological tolerances to warm water and changing conditions. Populations known from San Mateo Creek in San Diego County.	A	Not expected to occur in the City. Extant populations are not known to occur within the City.
Santa Ana speckled dace (*Rhinichthys osculus* ssp. 3)	–/CSC/–/–	Found in the headwaters of the Santa Ana and San Gabriel river drainages. Occurs in riffles in small streams and shore areas with abundant gravel and rock. Speckled dace occupy many isolated western drainages and have diversified into numerous subspecies, with those in swift water taking on streamlined forms, while those in slower water are relatively chubby and small finned.	HP	Suitable habitat is present in the City within the wetted portions of the Santa Ana River and its tributaries.
Amphibians				
western spadefoot (*Spea hammondii*)	–/CSC/–/ MSHCP	Found primarily in grassland habitats, but can be found in valley-foothill hardwood woodlands. Vernal pools and seasonal ponds are essential for breeding and egg laying. It is found at sea level to 4,500 ft. in elevation.	HP	Potentially suitable habitat is present in pools and depressional features throughout the valley and foothill portions of the City. MSHCP: This species is fully covered under the MSHCP.

Common/Scientific Name	Status[a] FED/STATE/ CNPS/ MSHCP	Species Requirements	Specific Habitat[b] Present/ Absent	Rationale
Reptiles				
southern California legless lizard (*Anniella stebbinsi*)	–/CSC/–/–	Occurs in sandy or loose loamy soils under sparse vegetation in broadleaved upland forest, chaparral, coastal dunes, and coastal scrub. Generally south of the Transverse Range, extending to northwestern Baja California.	HP	Potentially suitable habitat is present in scrub and woodland habitats in areas with sandy or loam soils throughout the City.
California glossy snake (*Arizona elegans occidentalis*)	–/CSC/–/–	Generalist reported from a range of scrub and grassland habitats, often with loose or sandy soils. Patchily distributed from the eastern portion of San Francisco Bay, southern San Joaquin Valley, and the Coast, Transverse, and Peninsular ranges, south to Baja California.	HP	Potentially suitable habitat is present in scrub and grassland habitats in areas with sandy or loam soils throughout the City.
coastal whiptail *(Aspidoscelis tigris stejnegeri*)	–/CSC/–/ MSHCP	Habitats include disturbed coastal sage scrub-chaparral mix and cleared areas of chaparral with a sandy/rocky substrate.	HP	Potentially suitable habitat is present in scrub habitats in areas with sandy soils or rocky areas throughout the City. MSHCP: This species is fully covered under the MSHCP.
San Diego banded gecko (*Coleonyx variegatus abbotti*)	–/CSC/–/ MSHCP	Found in granite or rocky outcrops in coastal scrub and chaparral habitats.	HP	Potentially suitable habitat is present in the valley and lower foothill portions of the City in scrub and rock outcrop habitats. MSHCP: This species is fully covered under the MSHCP.
red-diamond rattlesnake *(Crotalus ruber*)	–/CSC/–/ MSHCP	Occurs as far north as Puente Hills in Yorba Linda and as far south as Loreto Baja California, Mexico. Occurs within chaparral, woodland, grassland, and desert areas. Prefers areas with boulders and rock outcrops in areas of heavy brush, such as chamise chaparral.	HP	Potentially suitable habitat is present in the valley and lower foothill portions of the City in scrub and grassland habitats. MSHCP: This species is fully covered under the MSHCP.

Common/Scientific Name	Status[a] FED/STATE/ CNPS/ MSHCP	Species Requirements	Specific Habitat[b] Present/ Absent	Rationale
western pond turtle (*Emys marmorata*)	–/CSC/–/ MSHCP	A thoroughly aquatic turtle of ponds, marshes, rivers, streams, and irrigation ditches, usually with aquatic vegetation, below 6,000 ft. elevation. Needs basking sites and suitable (sandy banks or grassy open fields) upland habitat for egg-laying.	HP	Suitable habitat is present in aquatic habitats in the valley and foothill portions of the City. MSHCP: This species is fully covered under the MSHCP.
coast horned lizard (*Phrynosoma blainvillii*)	–/CSC/–/ MSHCP	Found in arid and semi-arid climate conditions in chaparral, coastal sage scrub, primarily below 2,000 ft. in elevation. Critical factors are the presence of loose soils with a high sand fraction; an abundance of native ants or other insects, especially harvester ants (*Pogonomyrmex* spp.); and the availability of both sunny basking spots and dense cover for refuge.	HP	Potentially suitable habitat is present in scrub habitats in areas with loose, sandy soils and harvester ants throughout the valley and foothill portions of the City. MSHCP: This species is fully covered under the MSHCP.
Birds				
tricolored blackbird (*Agelaius tricolor*)	–/CT/–/ MSHCP	Nests in dense colonies near freshwater in marshes with emergent wetland vegetation (e.g., cattails, tules). Will occasionally nest in moist thickets (e.g., blackberry, willow, rose) in agricultural fields or sewage treatment plants. Forages in grassland and cropland habitats. Range is restricted to the Central Valley and surrounding foothills, throughout coastal and some inland localities in southern California, and scattered sites in Oregon, western Nevada, central Washington, and western coastal Baja California. Breed in dense colonies and may travel several kilometers to secure food for their nestlings. They are itinerant breeders, nesting more than once at different locations during the breeding season.	HP	Suitable habitat occurs in marshes and other ponded areas containing emergent vegetation and thickets throughout the valley and foothill portions of the City. MSHCP: This species is fully covered under the MSHCP.

Common/Scientific Name	Status[a] FED/STATE/ CNPS/ MSHCP	Species Requirements	Specific Habitat[b] Present/ Absent	Rationale
long-eared owl (*Asio otus*)	–/CSC/–/–	In southern California, the species breeds and roosts in riparian and oak forests, and hunts small mammals at night in adjacent open habitats; known to breed at several dozen locales in San Diego County and possibly Orange County, and probably do so in smaller numbers in other coastal southern California counties as well. Species is sensitive to man-made disturbances, in particular night lighting. Foraging lands need to be rodent rich and relatively close to roosting and/or nesting habitat.	HP	Potentially suitable habitat is present in riparian, oak woodland, and open habitats in undisturbed areas throughout the valley and foothill portions of the City.
burrowing owl (*Athene cunicularia*)	–/CSC/–/ MSHCP(c)	Inhabits open, dry, nearly or quite level, grassland, prairie, desert floor, and shrubland with relatively low cover. In coastal southern California, a substantial fraction of birds are found in microhabitats highly altered by man, including flood control and irrigation basins, dikes, and banks, abandoned fields surrounded by agriculture, and road cuts and margins. Strong association with burrowing mammals, especially ground squirrels (*Spermophilus* spp.); however they will also occupy man-made niches such as banks and ditches, piles of broken concrete, and even abandoned structures.	HP	Suitable habitat is present throughout the valley and foothill portions of the City. MSHCP: The City occurs within the MSHCP Survey Area for this species.
Swainson's hawk (*Buteo swainsoni*)	–/T/–/ MSHCP	Suitable breeding habitat consists of areas containing Joshua trees, Fremont cottonwoods, or other large trees located adjacent to open fields, including agricultural fields. Forages in open desert, grasslands, agricultural fields, or livestock pastures. In most of southern California, this species is now limited to a spring and fall transient, with known breeding populations currently isolated to the Antelope Valley in Los Angeles and Kern counties.	HP	Potential suitable foraging habitat is present in open areas in the valley and foothill portions of the City. This species is not expected to breed within the City; all nesting records for the region are from the late 1800s and early 1900s. MSHCP: This species is fully covered by the MSHCP.

Common/Scientific Name	Status[a] FED/STATE/ CNPS/ MSHCP	Species Requirements	Specific Habitat[b] Present/ Absent	Rationale
western yellow-billed cuckoo (*Coccyzus americanas occidentalis*)	T/E/–/ MSHCP(a)	Breeds and nests in extensive stands of dense, mature cottonwood/willow riparian forest along broad, lower flood bottoms of larger river systems at scattered locales in western North America. Requires large stands of riparian woodland for nesting sites, typically in excess of 300 ft. in width and 25 acres in area.	HA	Suitable dense, large mature stands of riparian habitats are not present within the City. MSHCP: This species is a Riparian/Riverine Area and Species-Specific Objectives species.
yellow rail (*Coturnicops noveboracensis*)	–/CSC/–/–	Found in shallow marshes and wet meadows. During the winter, they are found in drier fresh-water and brackish marshes and deep grass and rice fields.	A	Not expected to occur in the City. Although suitable habitat is present, the City is outside of the current known range of the species; the only known record of occurrence within the City is from the early 1900s and the area has since been converted to residential development.
white-tailed kite (*Elanus leucurus*)	–/FP/–/ MSHCP	Species hunts in open country. This is a strongly lowland species, apparently rare anywhere in California above 2,000 ft. Nests are flimsy and are located low in trees and large shrubs near foraging areas in savannahs and at edges between open habitat and woodland or forest areas. Its diet is largely restricted to small mammals such as voles and mice.	HP	Potentially suitable breeding and foraging habitat is present in the undeveloped, open natural areas in the valley and foothill portions of the City. MSHCP: This species is fully covered under the MSHCP.
southwestern willow flycatcher (*Empidonax traillii extimus*)	E/E/–/ MSHCP(a)	Highly restricted distribution in southern California as a breeder. Occupies extensive riparian forests, wet meadows, and lower montane riparian habitats primarily below 4,000 ft. Occurs in riparian habitats along rivers, streams, or other wetlands, where dense growths of willows (*Salix* spp.), *Baccharis* spp., arrowweed (*Pluchea* spp.), buttonbush (*Cephalanthus* spp.), tamarisk (*Tamarix* spp.), Russian olive (*Eleagnus* spp.) are present, often with a scattered overstory of cottonwood (*Populus* spp.).	HP	Suitable habitat is present in riparian habitats throughout the City. MSHCP: This species is a Riparian/Riverine Area and Species-Specific Objectives species.

Common/Scientific Name	Status[a] FED/STATE/ CNPS/ MSHCP	Species Requirements	Specific Habitat[b] Present/ Absent	Rationale
bald eagle (*Haliaeetus leucocephalus*)	D/E, FP/–/ MSHCP	Primarily occurs in or near seacoasts, rivers, swamps, and large lakes. Nests in large, old-growth or dominant live trees with open branches, especially ponderosa pine, typically within one mile of water. Eats mainly fish and carrion, and formerly nested locally along the coast of southern California. This species is a localized winter resident and rare migrant, with only very rare breeding efforts in coastal southern California (e.g., Lake Skinner, Riverside County).	A	Suitable foraging, nesting, and wintering habitat is not present within the City. MSHCP: This species is fully covered under the MSHCP.
yellow-breasted chat (*Icteria virens*)	–/CSC/–/ MSHCP	Nests in low thickets in dense riparian habitats. It is a local and uncommon breeder and rare migrant across southern California.	HP	Suitable habitat is present in riparian habitats throughout the City. MSHCP: This species is fully covered under the MSHCP.
loggerhead shrike (*Lanius ludovicianus*)	–/CSC/–/ MSHCP	Found as a common resident and winter visitor throughout California in lowland and foothill habitats, where it frequents open areas with sparse shrubs and trees.	HP	Suitable habitat is present in undeveloped areas throughout the valley and foothill portions of the City. MSHCP: This species is fully covered under the MSHCP.
California black rail (*Laterallus jamaicensis coturniculus*)	–/E, FP/–/–	Found in salt marshes, freshwater marshes, and wet meadows. Requires water depths of about 1 inch that do not fluctuate and dense vegetation for nesting. Most California populations, especially in the southern part of the state, are nonmigratory, and these habitat types serve for breeding, foraging, and overwintering. In tidal areas, also requires dense cover of upland vegetation to provide protection from predators when rails must leave marsh habitats during high tides.	A	Not expected to occur in the City. Although suitable habitat is present, the City is outside of the current known range of the species; all records of occurrence within the City are from the late 1800s and early 1900s.

Common/Scientific Name	Status[a] FED/STATE/ CNPS/ MSHCP	Species Requirements	Specific Habitat[b] Present/ Absent	Rationale
coastal California gnatcatcher (*Polioptila californica californica*)	T/CSC/–/ MSHCP	Year-round obligate resident of coastal sage scrub vegetation on mesas, arid hillsides, and in washes. Nests almost exclusively in California sagebrush (*Artemisia californica*). Nest placement is typically in areas with less than 40 percent slope gradient. Occurs in low-lying foothills and valleys in cismontane southwestern California and Baja California. Monogamous pairs tend to stay in the same locale.	HP	Suitable habitat is present in scrub habitats in the valley and foothill portions of the City. MSHCP: This species is fully covered under the MSHCP.
yellow warbler (*Setophaga petechia*)	–/CSC/–/ MSHCP	Nests in the upper story of riparian habitats in southern California. It is also a common, widespread migrant in spring and fall, occupying a wide variety of habitats at that time.	HP	Suitable habitat is present in riparian habitats throughout the City. MSHCP: This species is fully covered under the MSHCP.
least Bell's vireo (*Vireo bellii pusillus*)	E/E/–/ MSHCP(a)	Found as a summer resident of southern California where it inhabits low riparian growth in the vicinity of water or in dry river bottoms below 2,000 ft. Species selects dense vegetation low in riparian zones for nesting; most frequently located in riparian stands between 5 and 10 years old; when mature riparian woodland is selected, vireos nest in areas with a substantial robust understory of willows as well as other plant species.	HP CH	Suitable habitat is present in riparian habitats throughout the City. Critical habitat occurs within the City. MSHCP: This species is a Riparian/Riverine Area and Species-Specific Objectives species.
Mammals				
northwestern San Diego pocket mouse (*Chaetodipus fallax fallax*)	–/CSC/–/ MSHCP	Sandy herbaceous areas, usually in association with rocks and course gravel in southwest California; coastal and desert border areas in San Bernardino, Riverside, and San Diego counties. Elevation ranges from sea level to 6,000 ft. Vegetation community preferences include sage scrub, chamise-redshank chaparral, mixed chaparral, sage brush, desert wash, desert scrub, desert succulent scrub, pinyon-juniper, and annual grassland.	HP	Suitable habitat is present in the Santa Ana River floodplain portion of the City. MSHCP: This species is fully covered by the MSHCP.

Common/Scientific Name	Status[a] FED/STATE/ CNPS/ MSHCP	Species Requirements	Specific Habitat[b] Present/ Absent	Rationale
San Bernardino kangaroo rat (*Dipodomys merriami parvus*)	E/CSC/–/ MSHCP(c)	Prefers soils of sandy loam, occasionally to sandy gravel, in open to moderately shrubby habitats, especially intermediate seral stages of alluvial fan sage scrub up to 1,970 ft. from active channels.	HP	Suitable habitat is present within alluvial scrub habitats in the Santa Ana River floodplain portions of the City. MSHCP: The City lies outside of the MSHCP survey area for the species.
Stephens' kangaroo rat (*Dipodomys stephensi*)	E/T/–/ MSHCP	Found almost exclusively in open grasslands or sparse shrublands with cover of less than 50% during the summer. Species avoids dense grasses and are more likely to inhabit areas where the annual forbs disarticulate in the summer and leave more open areas. Tends to avoid rocky soils. Tends to use flatter slopes (i.e., < 30%), but may be found on steeper slopes in trace densities.	HP	Potentially suitable habitat is present in scrub and shrubland areas in the valley and foothill portions of the City. MSHCP: This species is fully covered by the MSHCP.
western mastiff bat (*Eumops perotis californicus*)	–/CSC/–/–	Occurs in many open, semi-arid to arid habitats, including conifer and deciduous woodlands, coastal scrub, grasslands, and chaparral. Roosts in the crevices in vertical cliff faces, high buildings, and tunnels and travels widely when foraging. Roosts may be communal (up to 100 individuals) or solitary. This species appears to not migrate, but performs seasonal movements.	HP	Potentially suitable foraging habitat is present throughout the City. No suitable roosting cliff habitat is present.
western yellow bat (*Lasiurus xanthinus*)	–/CSC/–/–	Associated with water features in open grassy areas and scrub, as well as canyon and riparian situations. Thought to be non-colonial. Individuals usually roost in trees, hanging from the underside of a leaf and are commonly found in the southwestern U.S. roosting in the skirt of dead fronds in both native and non-native palm trees. Some populations may be migratory, although some individuals appear to be present year–round. Species probably does not hibernate.	HP	Suitable roosting and foraging habitat is present in riparian habitats and areas containing palm trees throughout the City.

Common/Scientific Name	Status[a] FED/STATE/ CNPS/ MSHCP	Species Requirements	Specific Habitat[b] Present/ Absent	Rationale
San Diego black-tailed jackrabbit (*Lepus californicus bennettii*)	–/CSC/–/ MSHCP	Common throughout California except at high elevations. Occurs in herbaceous and desert shrub areas, sage scrub, grasslands, open chaparral and woodland/forest areas. Relatively disturbance tolerant.	HP	Suitable habitat is present throughout the valley and foothill portions of the City. MSHCP: This species is fully covered by the MSHCP.
San Diego desert woodrat (*Neotoma bryanti intermedia*)	–/CSC/–/ MSHCP	Dry and/or sunny shrublands, especially (but not requiring) areas with cacti and abundant rocks and crevices. Does not require a source of drinking water. Sage scrub communities are frequently occupied.	HP	Suitable habitat is present throughout the scrub and shrubland portions of the City. MSHCP: This species is fully covered by the MSHCP.
pocketed free-tailed bat (*Nyctinomops femorosaccus*)	–/CSC/–/–	Found rarely in southwestern California; found in southeastern deserts of California, with portions of western Riverside County apparently on the periphery of their range. Occurs in a variety of arid areas, including pine-juniper woodlands, desert oasis, desert wash, and desert riparian. Roosts in high rock cliffs, crevices, and rock outcrops. Forages primarily on large moths, especially over water. Found from the southwestern United States to central Mexico.	HP	Potentially suitable foraging habitat is present in woodland and scrub areas of the City. No suitable roosting cliff habitat is present.
southern grasshopper mouse (*Onychomys torridus ramona*)	–/CSC/–/–	Wide variety of dry to moderately dry scrub, grassland, and woodland habitats across southern California, exclusive of the more mesic coastal areas from Ventura County north.	HP	Potentially suitable habitat is present in grassland, scrub, and woodland areas of the valley and foothill portions of the City.
Los Angeles pocket mouse (*Perognathus longimembris brevinasus*)	–/CSC/–/ MSHCP(c)	Habitat requirements for this subspecies are poorly known; it inhabits areas of open ground, prefers fine sandy soils (for burrowing), but is also found commonly on gravel washes and on stony soils, within brush and woodland habitats. It is rarely found on sites with a high cover of rocks.	HP	Potentially suitable habitat is present in scrub and woodland habitats in the valley and foothill portions of the City. MSHCP: The City lies outside of the MSHCP survey area for the species.

Common/Scientific Name	Status[a] FED/STATE/ CNPS/ MSHCP	Species Requirements	Specific Habitat[b] Present/ Absent	Rationale
American badger (*Taxidea taxus*)	–/CSC/–/–	Associated with large grassland and sparse sage scrub habitats. Most abundant in drier open stages of most shrub, forest, and herbaceous habitats. Occupies large dens/burrows and requires friable soils for digging dens.	HP	Potentially suitable habitat is present in undeveloped natural areas with friable soils throughout the City.

[a] Status Codes

Federal

E = Federally listed; Endangered

T = Federally listed; Threatened

D = Delisted

State

E = State listed; Endangered

T = State listed; Threatened

C = State candidate

CSC = California Species of Special Concern

FP = California Fully Protected Species

California Rare Plant Rank (CRPR)

1A = Plants presumed extinct in California

1B = Plants rare, threatened, or endangered in California and elsewhere

2 = Plants rare, threatened, or endangered in California, but more common elsewhere

3 = Plants about which we need more information

4 = Limited distribution (Watch List)

0.1 = Seriously endangered in California

0.2 = Fairly endangered in California

0.3 = Not very endangered in California

WRC MSHCP

WRC MSHCP = No additional action necessary

WRC MSHCP(a) = Surveys may be required as part of wetlands mapping

WRC MSHCP(b) = Surveys may be required within the Narrow Endemic Plant Species survey area

WRC MSHCP(c) = Surveys may be required within locations shown on survey maps

WRC MSHCP(d) = Surveys may be required within Criteria Area

WRC MSHCP(e) = Conservation requirements identified in species-specific conservation objectives need to be met before classified as a Covered Species

WRC MSHCP(f) = Covered Species when a Memorandum of Understanding is executed with the Forest Service Land

[b] Habitat Presence/Absence Codes*

HP = Habitat is or may be present. The species may be present.

HA = No habitat is present and the species is not expected to occur.

A = Species is absent based on known range or records of occurrence.

CH = Critical habitat is present.

**Because focused surveys for special-status species were not performed for this project, only potential habitat was assessed (rather than species presence/absence).*

Appendix E

Locations Where Opportunity Site Is Present at Historical Resources

Appendix E
Locations Where Opportunity Site Is Present at Historical Resources

The following table lists historical resources that encompass an Opportunity Site. It also lists historical resources that are within the Innovation District and Downtown Specific Plan boundaries but are not specifically listed in the Opportunity Sites Inventory. Note that properties within surveyed areas are not subject to Certificates of Appropriateness, unless the property was determined eligible for designation.

Table CUL1-1. Locations Where Opportunity Site Is Present at Historical Resource

Type of Resource	Resource Name	
Historic District (6)		
Evergreen Quarter		Prospect Place Historic District
Heritage Square Historic District		Seventh Street East Historic District
Mission Inn Historic District		Seventh Street Historic District
Historic District Potential (1)		
Citrus Thematic Industrial		
Landmarks (51)		
1st Christian Church Parsonage		Grant School
Alkire House		J. R. Willis Building
Arcade Building		John J. Hewitt House
Aurea Vista Hotel		John W. North Park
Benjamin Rockhold Family House		Lerner Building
Bobby Bonds Residence		Loring Building
Bonnett Building		Mission Inn
Chinatown Site		McIntyre House
Collier House		Mitchell House
Collins-Seaton House		Old City Hall
Cressman House		Residence
De Anza Statue and Newman Park		Riverside Art Museum
E.T. Wall Packing House		Riverside County Courthouse
Fairmount Park		Riverside Municipal Auditorium
Farm House Motel		Riverside Municipal Museum
First Church of Christ, Scientist		Santa Fe Depot
First Congregational Church		The Roosevelt Building
Food Manufacturing Corporation Site		The Tetley Buildings
Former 1st United Brethren Church		Union Pacific Depot
Former MH Simons Undertaking Chapel		Universalist Unitarian Church
Former Rouse's Department Store		Waite House
Former University Heights Junior High School		Ward House
Former Y.M.C.A. Building		Weber House
Harada House		White Park Building

Type of Resource	Resource Name	
Historic Library	White Park	
Irving School		
Structures of Merit (373)		
1734 Seventh St.	3170 Orange St.	3432 Franklin Ave.
1751 Third St	3171 Ninth St.	3434 Lemon St.
1821 Tenth St.	3172-78 Lemon St	3435 First St.
1824 Enterprise Ave.	3173 Lime St.	3435 Lime St.
1835 Pennsylvania Ave	3174 Mulberry St.	3436 Fourth St.
2008 Patterson St.	3188 Orange St.	3438-40 Mulberry St.
2009 Patterson St.	3189-95 Mulberry St.	3439 Fifth St
2028 Eleventh	3190 Lemon St.	3441 Mulberry St.
2037 Patterson St.	3190 Mulberry St.	3442 First St.
2038 Eleventh	3191 Lemon St.	3442 Lime St.
2039 University Ave.	3191 Seventh St.	3442 Third St.
2060 Seventh St.	3194-96 Lime St.	3443 Fifth St
2070 Patterson St.	3195 Lime St.	3443-45 First St.
2072 Seventh St.	3197 First St.	3444 Second St.
2082 Seventh St.	3205-09 Mulberry	3444 Sixth St.
2125 Seventh St.	3208 Mulberry St.	3445 Fourth St.
2210 Seventh St.	3210 Orange St.	3449 First St.
2211 Sixth St.	3215 Lemon St.	3449 Fourth St.
2226 Seventh St.	3224 Lemon St.	3450 First St.
2243 Fifth St.	3225 Lime St.	3451 Fifth St.
2258 Fifth St.	3226 Mulberry St.	3451 Lime St.
2291 Twelfth St.	3229 Lemon St.	3452 Lemon St.
2310 Seventh St.	3229 Mulberry St.	3452 Mulberry St.
2315 Seventh St.	3234 Orange St.	3452 University Ave.
2334 Seventh St.	3235 Lemon St.	3457 Mulberry St.
2335 Seventh St.	3244 Lemon St.	3460 Lime St.
2351 Seventh St.	3245 Lemon St.	3461 Third St
2367 Seventh St.	3245 Lime St.	3464 Third St.
2389 Seventh St.	3246-54 Mulberry St.	3465 Third St.
2409 Seventh St.	3252 Seventh St	3466 University Ave.
2418 Seventh St.	3254 Orange St.	3468 Lemon St.
2429 Seventh St.	3255 Lime St.	3468-70 Second St.
2433 Tenth St.	3255 Mulberry Ave.	3470 Fourth St.
2450 Seventh St.	3258 Lemon St.	3475 Lime St.
2459 Seventh St.	3259 Orange St.	3475 Mulberry St.
2490 Seventh St.	3266 Lime St.	3476 Third St.
2516-18 Seventh St	3266 Mulberry St.	3478 Lemon St.
2517 Seventh St.	3269 Mulberry St.	3488 Second St.
2543 Lime St.	3270 Mulberry St.	3490 Kansas Ave.
2551 Seventh St.	3273 Orange St.	3490 Lime St.
2562 University Ave.	3274 Lemon St.	3491 Mulberry St.
2582 Seventh St.	3275 Lemon St.	3492 Third St.
2583 Seventh St.	3275 Lime St.	3495 First St.

Type of Resource	Resource Name	
2583 Sixth St.	3276 Lime St.	3495 Lime St.
2586 University Ave.	3284 Orange St.	3503-05 First St.
2616 Seventh St.	3285 Lemon St.	3506-34 Ninth St
2617 Seventh St.	3290 Lemon St.	3507-09 First St
2625 Sixth St.	3294 Mulberry St.	3515-17 First St
2650 Seventh St.	3296 Lime St.	3521-57 Main St
2651-53 Eleventh St.	3299 Lime St.	3524 Kansas Ave.
2682 Orange St.	3303 Mulberry St.	3525 Mission Inn Ave
2682 Seventh St.	3306 Mulberry	3532-38 University Ave.
2683 Seventh St.	3309-11 Lime St.	3533 Third St.
2691 Orange St.	3310 Lime St.	3535-45 University Ave
2691 Twelfth St.	3311 Lemon St.	3544 University Ave.
2709 Orange St.	3314 Orange St.	3545 Third St.
2716-18 Seventh St.	3315 Third St.	3546 Second St.
2717 Seventh St.	3321-27 Lemon St.	3546 Third St
2726 Fifth St.	3322 Mulberry St.	3550-60 University Ave
2726 Sixth St.	3324-28 Lime St.	3557 First St.
2743 Orange St.	3325 Mulberry St.	3557 University Ave.
2750 Orange St.	3326 Lemon St.	3558 Third St.
2750 Seventh St.	3329 Lime St.	3563-77 Main St
2751 Seventh St.	3332 Orange St.	3567 Comer Ave.
2782 Seventh St.	3332 Second St	3570 Second St.
2783 Seventh St.	3335 Third St.	3575 First St.
2801 Fourth St.	3336 Mulberry St.	3575-81 University Ave.
2811 Twelfth St.	3339 First St.	3580-82 Main St.
2817 Seventh St.	3339 Mulberry St.	3585-95 Main St
2826 Eleventh St.	3342 Lemon St.	3587 University Ave.
2826 Sixth St.	3342 Lime St.	3591 First St.
2850 Seventh St.	3343 Lime St.	3594-98 Main St.
2851 Seventh St.	3343-49 Fourth	3595 University Ave.
2851 University Ave.	3348-50 Mulberry St.	3596 Commerce St.
2875 Fifth St.	3349 Third St.	3597 Main St.
2879 Main St.	3350 Second St	3610 Eleventh St
2882 Seventh St.	3353-57 Lemon St.	3615 Main St
2883 Seventh St.	3353-59 Fourth St	3631-39 University Ave
2909 Seventh St.	3354 Orange St.	3637 Lime St.
2931 Twelfth St.	3355-57 University Ave.	3637-49 Ninth St.
2933 Fourth St.	3355-73 Second St.	3642 University Ave.
2934 Seventh St.	3356 Lemon St.	3642-46 Seventh St.
2944 Seventh St.	3357 Lime St.	3643 University Ave.
2945 Seventh St.	3359 Mulberry St.	3651 Third St.
2956 Seventh St.	3359 Third St	3657 Lemon St.
2957 Seventh St.	3359-63 Lemon St.	3658-68 Market St
2973 Mulberry St.	3360 Lime St.	3681-89 Sixth St
2974 Lime St.	3362 Mulberry St.	3691 Kansas Ave.
2981 Seventh St.	3362 Second St.	3696 Franklin Ave

Type of Resource	Resource Name	
2983 Seventh St	3368-70 Lemon	3720 Main St
2993 Seventh St.	3369 Lemon St.	3720-36 Main St.
3021 Lime St.	3369 Third St	3724 Franklin Ave.
3021 Mulberry St.	3370 First St.	3734 Spruce St.
3035 Mulberry St.	3370 Orange St.	3737-41 Sixth St
3049 Mulberry St.	3374 Lime St.	3750 Main St.
3050 Orange St	3375 Lime St.	3750 Santa Fe Ave.
3063 Lime St.	3379 Holding St.	3753 Eucalyptus Ave.
3063 Mulberry St.	3380 Second St.	3755 Lemon St.
3106-08 Lemon St.	3381 Seventh St	3757-91 Seventh St
3108 Lime St.	3382 Mulberry St.	3760-78 Ninth St.
3109 Lemon St.	3383-85 Second St.	3761-75 Tenth St.
3112 Orange St.	3385 Lemon St.	3768-70 Orange St
3124 Lemon St.	3387-89 Mulberry St.	3797 Tenth St./3970-76 Market St.
3124 Lime St.	3390 Lime St.	3800 Main St.
3125-27 Main St	3390 Orange St	3824 Main St.
3125-29 Lemon St	3390 University Ave.	3834-50 Main St
3128 Mulberry St.	3391-97 Seventh St	3866 Main St.
3139-41 Lime St	3392-98 Lemon St.	3890 Orange St.
3140 Lime St.	3394 Mulberry St.	3901-31 Orange St
3140-42 Lemon St.	3395 Mulberry St.	4001 Main St.
3140-42 Orange St.	3396 Second St	4015-23 Main St.
3141 Main St.	3406 Mulberry St.	4049-53 Main St.
3142 Mulberry St.	3406-08 Lemon St.	4094 Brockton Ave.
3145 Lemon St.	3408-10 First St.	4135 Market St.
3150 Lime St.	3409 Lime St.	4205 Lemon St
3154 Orange St.	3410 Lime St.	4290 Brockton Ave.
3156 Mulberry St.	3414 Sixth St	4308 Lime St.
3157 Lime St.	3418-20 Lemon St.	4310 Orange St
3157 Mulberry St.	3421-23 Lime St.	4324 Lime St.
3157-59 Lemon	3423 First St	4479 Chicago Ave.
3158 Lemon St.	3425 Seventh St	4495 Magnolia Ave
3159 Main St.	3426 Lime St.	4565 Mulberry St.
3160 Lime St.	3428 Mulberry St.	4624 Olivewood Ave.
3167 Main St.	3428 Sixth St	Lewis H Guffin House
3169 Lemon St.		
National Register Sites (16)		
All Souls Universalist-Unit. Church		Mission Court Bungalows
Chinatown Site		Mission Inn/Agua Mansa Bell
First Church of Christ, Scientist		Old YWCA Building
First Congregational Church		Riverside Municipal Auditorium
Former MH Simons Undertaking Chapel		Riverside Municipal Museum
Former University Heights Junior High School		Riverside-Arlington Hts. Fruit Exchange
Harada House		Sutherland Fruit Company
Masonic Temple (Demolished)		Union Pacific Depot

Type of Resource	Resource Name	
Neighborhood Conservation Areas (NCA) (2)		
Old Magnolia Avenue NCA		St. Andrews Terraces NCA
Surveyed Areas (10)		
Camp Anza (Original Boundary)		Northside Reconnaissance
La Sierra (Five Points)		I-215 Improvement
Arlington		Brockton Arcade
Casa Blanca		University Avenue
Eastside Community		Camp Anza (Concentrated Area)

Appendix F

Consistency Analysis with Relevant Plans and Policies

Appendix F
Consistency Analysis with Relevant Plans and Policies

Table F-1. Consistency of the Project with SCAG Goals and Policies

Goal Number	2020–2045 RTP/SCS Goals, Principles, and Strategies	Consistency Analysis
Goal 1	Encourage regional economic prosperity and global competitiveness.	**Consistent.** Project implementation would allow for future development and would therefore improve regional economic development through the provision of new jobs. Therefore, the Project would be consistent with this goal.
Goal 2	Improve mobility, accessibility, reliability, and travel safety for people and goods.	**Consistent.** As concluded in Section 3.12, *Transportation*, the Project would be consistent with goals related to housing and public safety objectives. Future development would comply with GP 2025 polices, which maximize mobility and accessibility. GP 2025 Policies LU-8.1, LU-8.3, and AQ-8.23 promote infill development, mixed-use development, and higher density/mixed-use developments. The future development would include multi-family and mixed uses (residential and commercial) in compliance with these policies. GP 2025 also contains public transportation and alternative transportation modes. Future development must comply with all SCAQMD and Riverside County Transportation Commission TDM programs, and future development residents, employees, and other users would be provided ample opportunities to use the City's public transportation system and bicycle network; see Section 3.12, *Transportation*. To further ensure travel safety and reliability, all future development would be subject to compliance with GP 2025 Policies CCM-1.1, CCM-1.2, CCM-1.3, CCM-1.4, and CCM-7.1. Compliance with the regulatory standards and GP 2025 policies discussed above would ensure the Project would not substantially increase hazards due to a design feature (e.g., circulation system improvement), thus ensuring travel safety and reliability. Therefore, the Project would be consistent with this goal.
Goal 3	Enhance the preservation, security, and resilience of the regional transportation system.	**Consistent.** In furtherance of this goal, the Project would result in less-than-significant impacts on Congestion Management Program roadway segments with mitigation incorporated under Section 3.12.5 of this Draft EIR. The future development would comply with GP 2025 polices, which maximize mobility and accessibility in the City. Therefore, the Project would be consistent with this goal.
Goal 4	Increase person and goods movement and travel choices within the transportation system.	**Consistent.** Refer to discussion of RTP/SCS Goal 2 and Goal 3. The Project would comply with this goal.

Goal Number	2020–2045 RTP/SCS Goals, Principles, and Strategies	Consistency Analysis
Goal 5	Reduce greenhouse gas emissions and improve air quality.	**Consistent.** Refer to discussion of RTP/SCS Goal 2. Additionally, the Project would rezone land to allow for fulfilment of the City's RHNA. The Project's proposed rezoning effort would involve the potential addition of 11,333,238 square feet of mixed-use development throughout the City; see Table 2-3, *Potential Development in Mixed-Use Zones*, and Table 2-4, *Total Residential and Non-Residential Development in Mixed-Use Zones by Ward*, in Chapter 2, *Project Description*. Mixed-use development patterns facilitate a pedestrian environment through the provision of commercial uses intermixed with residential uses. Therefore, the Project would be consistent with this goal.
Goal 6	Support healthy and equitable communities.	**Consistent.** The Project would be consistent with this goal by facilitating a diversity of housing options, which would support healthy and equitable communities. Therefore, the Project would be consistent with this goal.
Goal 7	Adapt to a changing climate and support an integrated regional development pattern and transportation network.	**Consistent.** The Project would be consistent with this goal by facilitating and encouraging new housing development, including both single- and multi-family, that results in livable and sustainable neighborhoods. The proposed Zoning Code and Specific Plan amendments would include mixed-use categories, which would provide for development of some lower-level commercial/retail, office, and potentially live/work uses. Therefore, the Project would be consistent with this goal.
Goal 8	Leverage new transportation technologies and data-driven solutions that result in more efficient travel.	**Not Applicable.** This goal is directed toward SCAG to result in more efficient travel. No further discussion is required for individual development projects facilitated by the Project.
Goal 9	Encourage development of diverse housing types in areas that are supported by multiple transportation options.	**Consistent.** The Project would rezone areas of the City to allow for fulfilment of the City's RHNA. The proposed Zoning Code and Specific Plan amendments would include mixed-use categories, which would provide for development of some lower-level commercial/retail, office, and potentially live/work uses. Sites identified for rezoning were prioritized based partly on accessibility to multiple modes of transportation. Therefore, the Project would be consistent with this goal.
Goal 10	Promote conservation of natural and agricultural lands and restoration of habitats.	**Consistent.** The Project would be consistent with this goal, as it does not propose the conversion of any significant natural or agricultural lands to urban use. The Project would rezone land to allow for higher residential densities and nonresidential intensities. The Project would focus development in already urbanized parts of the City, rather than spreading growth to the urban fringes. Therefore, the Project would be consistent with this goal.

Goal Number	2020–2045 RTP/SCS Goals, Principles, and Strategies	Consistency Analysis
RTP/SCS: Adopted Growth Forecasts for Riverside		
Adopted Growth Forecasts		**Inconsistent:** As concluded Section 3.9, *Population and Housing*, the Project would be growth inducing, in as much as the future development would cause SCAG's Adopted Growth Forecasts to be exceeded. Therefore, the Project would be inconsistent with SCAG's growth forecasts for Riverside, and a significant and unavoidable impact would occur in this regard. It is noted, however, the Project is proposed to accommodate the City's remaining RHNA. State law and SCAG mandate that Riverside accommodate its RHNA "fair share" of the region's housing needs for all income groups, which cannot be achieved without the Project's proposed general plan amendments, Zoning Code changes, and Specific Plan amendments, and associated future development.

EIR = environmental impact report; City = City of Riverside; GP 2025 = *Riverside General Plan 2025*; RHNA = Regional Housing Needs Assessment; RTP/SCS = Regional Transportation Plan/Sustainable Communities Strategy; SCAG = Southern California Association of Governments; SCAQMD = South Coast Air Quality Management District; TDM = Transportation Demand Management

Table F-2. Consistency of the Project with GP 2025

Objective	Policy	Consistency Analysis
Riverside General Plan 2025		
Land Use and Urban Design Element		
Objective LU-8: Emphasize smart growth principles through all steps of the land development process.	**Policy LU-8.1:** Ensure well-planned infill development Citywide, allow for increased density in selected areas along established transportation corridors.	**Consistent:** The Project would rezone areas of the City to allow for fulfilment of the City's RHNA. The proposed Zoning Code and Specific Plan amendments would include mixed-use categories, which would provide for development of some lower-level commercial/retail, office, and potentially live/work uses. Sites identified for rezoning were prioritized based partly on accessibility to multiple modes of transportation. Therefore, the Project would be consistent with Policy LU-8.1.
	Policy LU-8.2: Avoid density increases or intrusion of nonresidential uses that are incompatible with existing neighborhoods.	**Consistent:** The Project would rezone areas of the City to allow for fulfilment of the City's RHNA. The proposed Zoning Code and Specific Plan amendments would include mixed-use land use categories, which would provide for development of some lower-level commercial/retail, office, and potentially live/work uses. Integration of mixed-use development would introduce new residential development along with nonresidential uses. Nonresidential uses would be designed to be compatible with existing neighborhoods Therefore, the Project would be consistent with Policy LU-8.2.
	Policy LU-8.3: Allow for mixed-use development at varying intensities at selected areas as a	**Consistent:** Opportunity Sites have been identified to accommodate future housing and mixed-use development; this includes potential redevelopment sites that will help the City meet the housing demand. The Housing Element Update proposes to rezone up

Objective	Policy	Consistency Analysis
	means of revitalizing underutilized urban parcels.	to 581 acres within City boundaries to accommodate a variety of housing types and densities to accommodate the needs of all income levels. The Project would focus development in already urbanized parts of the City, rather than spreading growth to the urban fringes. Therefore, the Project would be consistent with Policy LU-8.3.
	Policy LU-8.4: Ensure that in-fill development and development along Magnolia and University Avenues, incorporates the latest Smart Growth principles.	**Consistent:** The Project would rezone land to allow for higher residential densities and nonresidential intensities. The Project would focus development in already urbanized parts of the City, rather than spreading growth to the urban fringes, which would include Magnolia and University Avenues. Therefore, the Project would be consistent with Policy LU-8.4.
Objective LU-9: Provide for continuing growth within the General Plan Area, with land uses and intensities appropriately designated to meet the needs of anticipated growth and to achieve the community's objectives.	**Policy LU-9.2:** Evaluate proposed amendments to the Land Use Policy Map (Figure LU-10) to consider the effect such amendments will have on the City's ability to achieve its objectives	**Consistent:** The Project would amend the GP 2025 Land Use Policy Map (Figure LU-10) to achieve statewide goals for the development, preservation, and improvement of housing and the City's Housing Element objectives to: (1) preserve and increase affordable housing options, including subsidized and non-subsidized affordable units, for lower-income and environmental justice communities, special needs, and under-served populations, (2) expand housing and services that address the needs of the City's homeless population, (3) promote healthy and attainable housing opportunities for all people regardless of their special characteristics as protected under state and federal fair housing laws, (4) facilitate and encourage new housing types, including both single- and multi-family and middle housing, and the necessary public amenities to support a sense of community that results in equitable and sustainable neighborhoods, (5) reduce and remove government barriers, where feasible and legally permissible, to reduce the costs of housing development and facilitate both ownership and rental opportunities for all residents, (6) ensure regular monitoring and reporting, including outreach to the public, on the status of housing in the City, (7) facilitate a development process that promotes design and rehabilitation of housing that is responsive to the needs and desires of the residents of environmental justice communities, and (8) provide opportunities to access fresh, healthy, and affordable food from sources that are accessible to neighborhoods and within a quarter mile of public transit. Therefore, the Project would be consistent with Policy LU-9.2.
	Policy LU-9.3: Designate areas for urban land uses where adequate urban levels of public facilities and services exist or are planned, in accordance with the public facilities and service	**Consistent:** Following implementation of recommended mitigation and compliance with GP 2025 policies and RMC requirements, the Project's public facility impacts would be reduced to less-than-significant levels; see Section 3.10, *Public Services*, and Section 3.14, *Utilities and Service Systems*. Therefore, the Project would be consistent with Policy LU-9.3.

Objective	Policy	Consistency Analysis
	provisions policies of this General Plan.	
	Policy LU-9.4: Promote future patterns of urban development and land use that reduce infrastructure construction costs and make better use of existing and planned public facilities when considering amendments to the Land Use Policy Map (Figure LU-10).	**Consistent:** The Project would rezone land to allow for higher residential density and nonresidential intensities, as infill developments. As such, the Project would focus development in already urbanized parts of the City to capitalize on existing and planned public facilities, rather than spreading growth to the urban fringes. Therefore, the Project would be consistent with Policy LU-9.4.
	Policy LU-9.7: Protect residentially designated areas from encroachment by incompatible uses and from the effects of incompatible uses in adjacent areas. Uses adjacent to planned residential areas should be compatible with the planned residential uses and should employ appropriate site design, landscaping and building design to buffer the non-residential uses.	**Consistent:** Refer to discussion of Policy LU-8.2 above. The Project would be consistent with Policy LU-9.7.
Objective LU-10: Provide for appropriate timing of development in accordance with the future land uses designated in this Land Use Element.	**Policy LU-10.1:** Discourage the premature development of nonurbanized areas and encourage growth, through such programs as the Residential Infill Incentive Program, first in undeveloped and under-developed areas within, adjacent to or in close proximity to existing urbanized neighborhoods.	**Consistent:** Most of the proposed Opportunity Sites are developed to varying degrees. The Project is intended to facilitate redevelopment or adaptive reuse of selected Opportunity Sites that are vacant/underutilized and considered viable for development/redevelopment. Therefore, the Project would be consistent with Policy LU-10.1.
	Policy LU-10.4: Require development projects to be timed	**Consistent:** Following implementation of recommended mitigation and compliance with GP 2025 policies and RMC requirements, the Project's impacts on public services,

Objective	Policy	Consistency Analysis
	and phased so that projects are not occupied prior to the provision of necessary urban services.	recreation, and utilities and service systems would be reduced to less-than-significant levels; see Section 3.10, *Public Services*, Section 3.11, *Recreation*, and Section 3.14, *Utilities and Service Systems*. Therefore, the Project would be consistent with Policy LU-10.4.
Objective LU-26: Ensure that a network of modern, effective and adequate community facilities are equitably distributed across the entire City.	**Policy LU-26.1:** Develop and enforce standards for community facilities (such as fire and police stations, libraries and parks) based upon population densities and proximity of existing facilities.	**Consistent:** The Housing Element Update includes policies that create safe and healthy complete neighborhoods that promote proximity of quality housing development to commercial uses, schools, transit, parks, and other needs. The Housing Element Update also includes Environmental Justice Policies to facilitate equitable distribution of housing throughout the City. These policies promote housing in response to the needs and desires of the residents of environmental justice communities as well as facilitate the development of affordable housing and supportive housing. Therefore, the Project would be consistent with Policy LU-26.1.
Objective LU-28: Preserve and enhance the quality and character of Riverside by ensuring compliance with all relevant codes and regulations.	**Policy LU-28.2:** Encourage the rehabilitation or replacement of dilapidated housing units and buildings, discouraging further deterioration. Where necessary, seek to remove unsafe structures.	**Consistent:** Most of the proposed Opportunity Sites are developed to varying degrees. The Project is intended to facilitate redevelopment or adaptive reuse of Opportunity Sites that are vacant/underutilized and considered viable for development/redevelopment. Therefore, the Project would be consistent with Policy LU-28.2
Objective LU-30: Establish Riverside's neighborhoods as the fundamental building blocks of the overall community, utilizing Neighborhood and Specific Plans to provide a more detailed design and policy direction for development projects located in particular neighborhoods.	**Policy LU-30.3:** Ensure that the distinct character of each of Riverside's neighborhoods is respected and reflected in all new development, especially infill development	**Consistent:** Opportunity Sites were identified with mapping tools to determine if sites potentially accommodate housing. Criteria were used to identify the initial inventory, including identifying undeveloped or underdeveloped sites, or sites with vacant buildings, high rates of vacancy, etc. Sites were then removed from the potential inventory if there were extra protections imposed by Proposition R, Measure C, or housing restrictive zoning (i.e., airport land use incompatibility); if there were known environmental risks like high fire hazard or floodplain areas; if there was a lack of available infrastructure services, such as wet or dry utilities; if there were sites of known significant soils or groundwater contamination; or if there were no amenities in the vicinity, like transportation access or employment centers. Therefore, the Project would be consistent with Policy LU-28.1

City = City of Riverside; GP 2025 = *Riverside General Plan 2025*; RHNA = Regional Housing Needs Assessment; RMC = Riverside Municipal Code

Table F-3. Consistency of the Project with Specific Plan Policies

Goal	Policy	Consistency Analysis
Canyon Springs Business Park Specific Plan		
	There are no applicable policies related to the Project regarding land use.	
Downtown Specific Plan		
Goal LU-1 To provide land use opportunities for Downtown to serve as the region's cultural, governmental, arts, and entertainment center with unique and interrelated districts offering a wide range of opportunities for residential lifestyles, work environments, shopping, entertainment, learning, culture, and the arts.	**Policy LU-4:** Encourage mixed-use development with a strong residential presence in the Raincross District, including both new construction and the adaptation of upstairs spaces in existing buildings for residential purposes.	**Consistent:** The Project would rezone land to allow for higher residential density and nonresidential intensities, as infill developments. Therefore, the Project would be consistent with Policy LU-4.
	Policy LU-10: Encourage the establishment of a vibrant mix of uses that will serve the needs of both residents and visitors and will help create a vibrant daytime, evening, and weekend environment.	**Consistent:** Opportunity Sites have been identified to accommodate future housing and mixed-use development. The Housing Element Update proposes to rezone up to 581 acres within City boundaries to accommodate a variety of housing types and densities to accommodate the needs of households of all income levels. The Project would focus development on already urbanized parts of the City, rather than spreading growth to the urban fringes. Therefore, the Project would be consistent with Policy LU-10.
Hunter Business Park Specific Plan		
	There are no applicable policies related to the Project regarding land use.	
La Sierra University Specific Plan		
Goal LSU-1 To provide a high quality, attractive mixed-use development which includes educational, residential, commercial, industrial and recreational uses, all integrated with and enhancing the existing campus environment.	**Policy LSU-1.14** The mixed use community shall be designed to foster pedestrian circulation among various land uses including a pedestrian path along the new arterial street, and pedestrian paths that link the planned residential areas with the campus, neighborhood schools, parks, and the community multi-use trail proposed along the flood control channel, and the Five Points shopping area.	**Consistent.** The Project includes policies to encourage mixed-use development that reduces automobile trips, vehicle miles traveled, and associated energy consumption. Therefore, the Project would be consistent with Policy LSU-1.14.

Goal	Policy	Consistency Analysis
Magnolia Avenue Specific Plan: Corridor Wide Vision, Objectives and Policies		
Objective 1: Restore the Magnolia/Market Corridor to its historical role as a scenic, "showcase roadway" that spans the City of Riverside while updating its function as a key transit corridor to support future growth. (General Plan Objective LU-12)	**Policy 1.6:** Support and encourage the redevelopment of the Magnolia Avenue corridor with mixed-use development. (General Plan Policy LU-58.7)	**Consistent.** The Project includes policies to encourage mixed-use development that reduces automobile trips, vehicle miles traveled, and associated energy consumption. Therefore, the Project would be consistent with Policy 1.6.
Objective 3: Promote the application of Mixed Use zoning for consistency with the General plan mixed use land use designations.	N/A	**Consistent**. The proposed Zoning Code and Specific Plan amendments would include mixed-use land use categories, which would provide for development of some lower-level commercial/retail, office, and potentially live/work uses. Therefore, the Project would be consistent with Objective 3.
Riverside Marketplace		
To provide land uses which will benefit the surrounding neighborhoods economically, aesthetically, and socially	Stabilize and enhance the residential areas by permitting compatible adjacent land uses as well as guiding improvements throughout the Specific Plan area	**Consistent.** The Project would rezone areas of the City to allow for fulfilment of the City's RHNA. The proposed Zoning Code and Specific Plan amendments would include mixed-use land use categories, which would provide for development of some lower-level commercial/retail, office, and potentially live/work uses. New multi-family and mixed-use development would be more compatible with the established residential areas in Specific Plan areas than the previous heavy industrial uses.
University Avenue Specific Plan		
	There are no applicable policies related to the Project regarding land use.	
Northside Neighborhood and Pelissier Ranch Specific Plan		
LU Goal 1: Offer a wide-range of housing types.	**LU 1.1** Provide for all housing types from single-family to multi-family residential development, in different settings.	**Consistent.** The Project would rezone areas of the City to allow for fulfilment of the City's RHNA. The proposed Zoning Code and Specific Plan amendments would include mixed-use categories, which would provide for development of some lower-level commercial/retail,

Goal	Policy	Consistency Analysis
		office, and potentially live/work uses. Therefore, the Project would be consistent with this goal.
LU Goal 2: Create appropriate land use planning areas and ensure that standards emphasize the compatibility of uses.	**LU 2.1** Buffer industrial uses from sensitive receptors such as residential and recreational uses.	**Consistent.** Although there is no specific provision for the Project to buffer industrial uses from sensitive receptors, the Project would follow implementation of recommended mitigation in compliance with GP 2025 policies and RMC requirements. As part of this, the zoning defines and provides parameters for various types of land uses in a community, including but not limited to commercial, residential, and industrial. The RMC regulates municipal affairs within the City's jurisdiction including, without limitation, subdivision regulations (codified in RMC Title 18) and zoning regulations (codified in RMC Title 19). The purpose of RMC Title 18, *Subdivisions*, is to regulate and control the design and improvement of subdivisions. Therefore, the Project would be consistent with Policy LU 2.1.
	LU 2.2 Promote mixed-use development that offers new housing opportunities and needed services for residents.	**Consistent.** Opportunity Sites have been identified to accommodate future housing and mixed-use development; this includes potential redevelopment sites that will help the City meet the housing demand. The Housing Element Update proposes to rezone up to 581 acres within City boundaries to accommodate a variety of housing types and densities to accommodate the needs of all income levels. The Project would rezone areas of the City to allow for fulfilment of the City's RHNA. The proposed Zoning Code and Specific Plan amendments would include mixed-use categories, which would provide for development of some lower-level commercial/retail, office, and potentially live/work uses. Therefore, the Project would be consistent with Policy LU 2.2.
	LU 2.3 Create high-density mixed-use development tied to transit.	**Consistent:** Refer to discussion of RTP/SCS Goal 2. Additionally, the Project would rezone land to allow for fulfilment of the City's RHNA. The Project's proposed rezoning effort would involve the potential addition of 11,333,238 square feet of mixed-use development throughout the City; see Table 2-3, *Potential Development in Mixed-Use Zones*, and Table 2-4, *Total Residential and Non-Residential Development in Mixed-Use Zones by Ward*, in Chapter 2, *Project Description*. Mixed-use development patterns facilitate a pedestrian environment through the provision of commercial uses intermixed with residential uses. Sites identified for rezoning were prioritized

Goal	Policy	Consistency Analysis
		based partly on accessibility to multiple modes of transportation. Therefore, the Project would be consistent with Policy LU 2.3.
LU Goal 3: Ensure development regulations and design guidelines identify ways to achieve high quality development	**LU 3.1** Encourage a vertical mix of uses in key districts, including the Northside Village Center, that includes retail and restaurant uses on ground floors with residential and office uses on higher floors.	**Consistent:** The Project would rezone areas of the City to allow for fulfilment of the City's RHNA. The proposed Zoning Code and Specific Plan amendments would include mixed-use land use categories, which would provide for development of some lower-level commercial/retail, office, and potentially live/work uses. Therefore, the Project could be inconsistent with Policy LU 3.1.
	LU 3.2 Promote Leadership in Energy and Environmental Design (LEED) standards for new development.	**Consistent:** The Project includes policies to encourage mixed-use development that reduces automobile trips, vehicle miles traveled, and associated energy consumption. Refer to discussion of RTP/SCS Goal 2. Additionally, the Project would rezone land to allow for fulfilment of the City's RHNA. The Project's proposed rezoning effort would involve the potential addition of 11,333,238 square feet of mixed-use development throughout the City (inclusive of both residential and nonresidential floor area); see Table 2-3, *Potential Development in Mixed-Use Zones*, and Table 2-4, *Total Residential and Non-Residential Development in Mixed-Use Zones by Ward*, in Chapter 2, *Project Description*. Mixed-use development patterns facilitate a pedestrian environment through the provision of commercial uses intermixed with residential uses. Therefore, the Project would be consistent with Policy LU 3.2.
California Baptist University Specific Plan		
Objective 1: Provide sufficient and appropriate academic, research, athletic, housing, and support facilities to accommodate the University's planned student enrollment of 12,000 by year 2025.	**Policy 1.1:** Pursue the development program and campus improvements described in this Specific Plan while maintaining the flexibility needed to accommodate evolving academic and student needs and dynamic growth.	**Consistent.** Project implementation would allow for future development and would therefore improve regional and local development including support facilities. Therefore, the Project would be consistent with Objective 1.
Objective 2: Create a unified campus identity recognizable for both CBU and the community by	**Policy 2.1:** Provide edge and transition standards that respect the scale and character of the campus community interface in accordance with the	**Consistent.** The Project would comply with California State Planning and Land Use Law (Government Code Section 65000 et seq.), which sets forth minimum standards for the regulation of land use at the city

Goal	Policy	Consistency Analysis
harmonizing the campus aesthetic through architecture, signage, and landscaping.	development standards and design guidelines outlined herein.	and county levels. Therefore, there would be no conflict with Policy 2.1.
	Policy 2.2: Create a new dramatic entrance to the campus at Adams Street and Briarwood Drive, connecting to Campus Bridge Drive and linking the urban mixed uses with the balance of the campus.	**Consistent.** The Project includes policies to encourage mixed-use development that reduces automobile trips, vehicle miles traveled, and associated energy consumption. The proposed Zoning Code and Specific Plan amendments would include mixed-use land use categories. Therefore, the Project would be consistent with Policy 2.2.
	Policy 2.3: Maintain the Magnolia Avenue Corridor as a major multi-use corridor and attractive boulevard along the campus frontage	**Consistent.** The Project includes policies to encourage mixed-use development that reduces automobile trips, vehicle miles traveled, and associated energy consumption. Therefore, the Project would be consistent with Policy 2.3.
Objective 3: Provide an enhanced CBU campus setting that attracts prospective students and their parents to the City of Riverside, and that enhances the stature of CBU as it relates to other universities and facilities.	**Policy 3.1:** Establish and maintain modern educational and research facilities that respond to the needs of the University's mission and planned curriculum.	**Consistent.** The Project includes policies to encourage mixed-use development that would not conflict with this objective. Therefore, the Project would be consistent with Objective 3.
	Policy 3.2: Provide a variety of safe and secure housing opportunities for students, including through the conversion of existing apartment units to student housing.	
	Policy 3.3: Expand the athletic facilities to accommodate campus growth and attract higher level competitive prospective student-athletes.	
	Policy 3.4: Operate a modern events center that serves as the centerpiece for cultural and Christian events that advance the University's mission.	
	Policy 3.5: Complete the transformation of Adams Plaza into a revitalized Lancer Plaza that incorporates a student recreation center, support services, and academic uses.	
Objective 4: Accommodate diverse modes of mobility for all persons traveling to,	**Policy 4.1:** Ensure consistency with City of Riverside street standards, as may be modified, regarding ultimate roadway configuration and improvements for those	**Consistent.** Refer to discussion of RTP/SCS Goal 2 and Goal 3. The Project would not conflict with Objective 4.

Goal	Policy	Consistency Analysis
from, and within the CBU campus.	public roadway segments abutting the campus. **Policy 4.2:** Provide well-marked and signed travelways for pedestrians, cyclists, and motorists within the CBU campus. **Policy 4.3:** Accommodate the University's parking demand in a manner that minimizes external impacts, as required per this Specific Plan. **Policy 4.4:** Pursue the vacation of Diana Avenue to provide reasonable control over the access and vehicle speed along this southern campus edge.	
Objective 5: Respect cultural features on the campus that reflect Riverside's history and contribute to campus historical identity, while accommodating the University's needs pursuant to its mission.	**Policy 5.1:** Pursue the adaptive reuse of designated historical structures in accordance with local, State, and federal regulations, standards, guidelines, and Table 6-1. **Policy 5.2:** Provide for new buildings to be architecturally compatible with the existing historical campus architecture consistent with the design guidelines contained in this Specific Plan. **Policy 5.3:** Protect historical landscapes and other non-structural features pursuant to the standards in this Specific Plan. **Policy 5.4:** Establish a CBU historical district, in accordance with Title 20 of the Riverside Municipal Code, that encompasses buildings and other features that reflect Riverside's rich history.	**Consistent.** The Project would be consistent with GP 2025 Historic Preservation Element policies relating to cultural resources as listed in Table 3.3-1, because it would comply with state laws and the Cultural Resources Ordinance aimed at identifying and protecting cultural resources. In addition, the Project calls for the use of the Secretary of the Interior's Standards for Rehabilitation to integrate sensitive design practices (City of Riverside 2012). Therefore, the Project would be consistent with Objective 5.

GP 2025 = *Riverside General Plan 2025*; RHNA = Regional Housing Needs Assessment; RMC = Riverside Municipal Code; RTP/SCS = Regional Transportation Plan/ Sustainable Communities Strategy

References

City of Riverside. 2012. *Riverside General Plan 2025*. Historic Preservation Element. Available: https://www.riversideca.gov/planning/gp2025program/GP/16_Historic_Preservation_Element.pdf. Accessed: April 2021.

Appendix G

Noise Field Measurement Data

FIELD NOISE MEASUREMENT DATA

PROJECT: Riverside Housing Element PROJ. # 00660.20

SITE IDENTIFICATION: LT-1 OBSERVER(S): JCR

ADDRESS: Near 3496 Commerce St, Riverside, CA 92507

START DATE / TIME: 5/17/21 - 7:54 END DATE / TIME: 5/17/21 - 8:49

METEROLOGICAL CONDITIONS:

TEMP: ____ °F HUMIDITY: ____ %R.H. WIND: CALM LIGHT MODERATE VARIABLE

WINDSPEED: ____ MPH DIR: N NE E SE S SW W NW STEADY GUSTY

SKY: SUNNY CLEAR OVRCST PRTLY CLOUDY FOG RAIN OTHER:

ACOUSTIC MEASUREMENTS:

INSTRUMENT: Pic 4 TYPE: 1 (2) SERIAL #:

CALIBRATOR: CAL200 SERIAL #: 2916

CALIBRATION CHECK, BEFORE: 94.0 AFTER 93.9 WINDSCREEN X

SETTINGS: A-WEIGHTED SLOW FAST FRONTAL RANDOM ANSI OTHER:

FILE / MEAS #	START TIME	END TIME	L_{eq}	max	L 1.67	L 8.33	L 25	L 50	L 90	L 99	min

COMMENTS: Start 7:54 AM, Closed @ 8:28 AM
Arrived @ 8:48, stopped @ 8:49

NOISE SOURCE INFO:

PRIMARY NOISE SOURCE: TRAFFIC AIRCRAFT RAIL INDUSTRIAL AMBIENT OTHER:

ROADWAY TYPE:

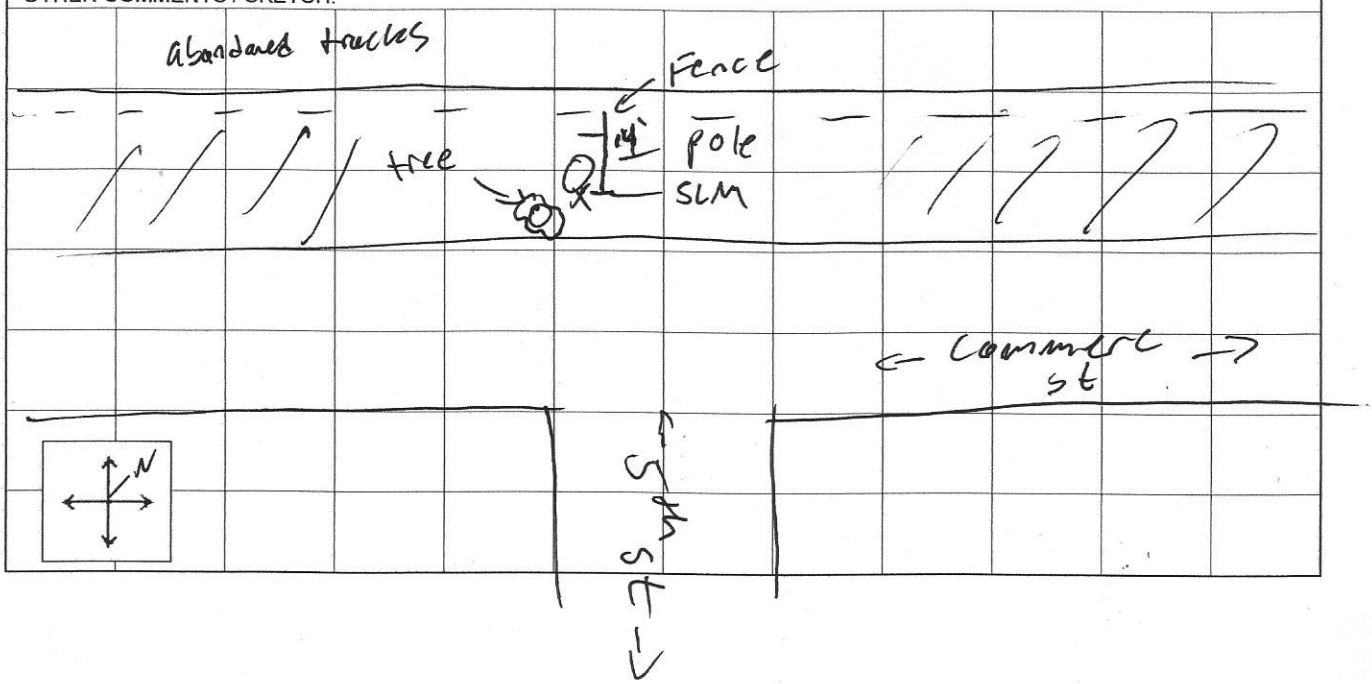
OTHER SOURCES: DIST. AIRCRAFT / RUSTLING LEAVES / DIST. BARKING DOGS / BIRDS / DIST. INDUSTRIAL
DIST. CHILDREN PLAYING / DIST. TRAFFIC / DIST. LANDSCAPING ACTIVITIES / OTHER:

DESCRIPTION / SKETCH:

TERRAIN: HARD SOFT MIXED FLAT OTHER:

PHOTOS:

OTHER COMMENTS / SKETCH:



FIELD NOISE MEASUREMENT DATA

PROJECT: Riverside Hawthorn Elementary PROJ. # 00660.20

SITE IDENTIFICATION: LT-2 OBSERVER(S): JCK
ADDRESS: Near 6155 Valley Springs Pkwy, Riverside CA, 92507
START DATE / TIME: 5/18/21 END DATE / TIME: 5/18/21

METEROLOGICAL CONDITIONS:

TEMP: ____ °F HUMIDITY: ____ %R.H. WIND: CALM LIGHT MODERATE VARIABLE
WINDSPEED: ____ MPH DIR: N NE E SE S SW W NW STEADY GUSTY
SKY: SUNNY CLEAR OVRCST PRTLY CLOUDY FOG RAIN OTHER:

ACOUSTIC MEASUREMENTS:

INSTRUMENT: PIC F TYPE: 1 (2) SERIAL #:
CALIBRATOR: CAL200 SERIAL #: 2916
CALIBRATION CHECK, BEFORE: 94.0 AFTER 94.0 WINDSCREEN X
SETTINGS: A-WEIGHTED SLOW FAST FRONTAL RANDOM ANSI OTHER:

FILE / MEAS #	START TIME	END TIME	L_{eq}	L max	L 1.67	L 8.33	L 25	L 50	L 90	L 99	L min

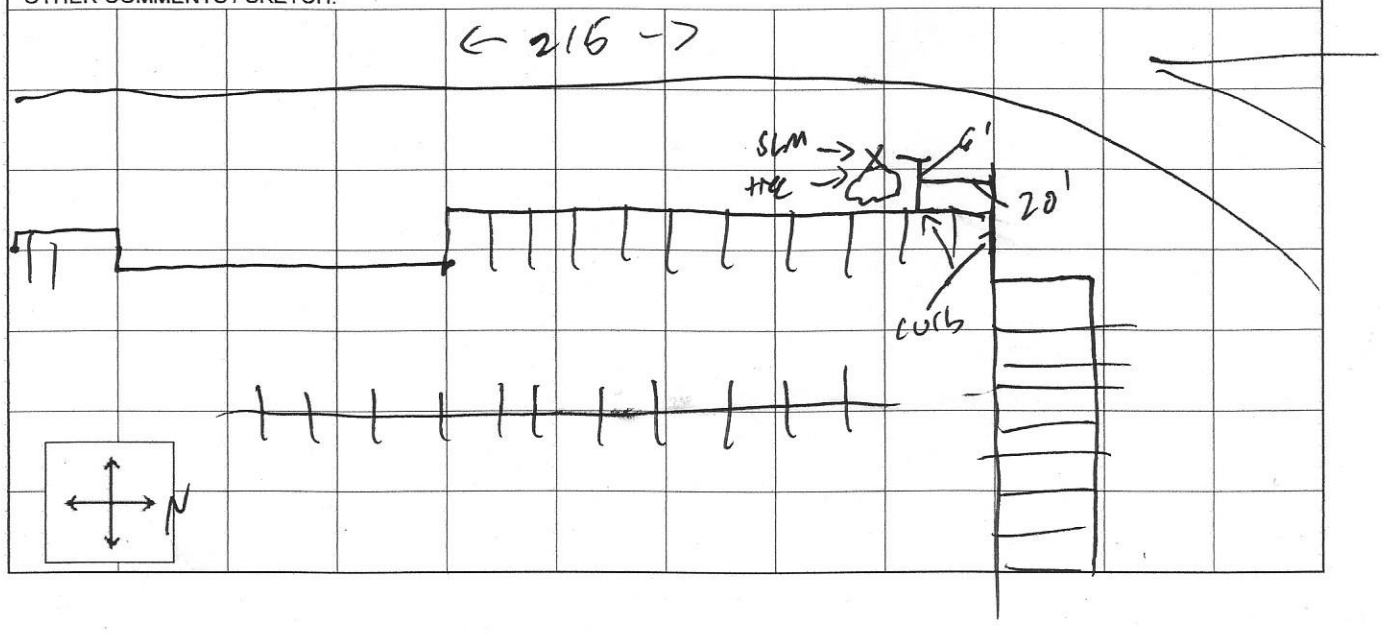
COMMENTS: Started @ 9:05 Am, cleared @ 9:45 Am
arrived @ 1:30 pm, stopped @ 1:33 pm

NOISE SOURCE INFO:

PRIMARY NOISE SOURCE: TRAFFIC AIRCRAFT RAIL INDUSTRIAL AMBIENT OTHER:
ROADWAY TYPE:
OTHER SOURCES: DIST. AIRCRAFT / RUSTLING LEAVES / DIST. BARKING DOGS / BIRDS / DIST. INDUSTRIAL
DIST. CHILDREN PLAYING / DIST. TRAFFIC / DIST. LANDSCAPING ACTIVITIES / OTHER:

DESCRIPTION / SKETCH:

TERRAIN: HARD SOFT MIXED FLAT OTHER:
PHOTOS:
OTHER COMMENTS / SKETCH:



FIELD NOISE MEASUREMENT DATA

PROJECT: Riverside Housing Element PROJ. # 00660.20

SITE IDENTIFICATION: LT-3 OBSERVER(S): SCK
ADDRESS: Near 18806 Van Buren Blvd, Riverside, CA, 92508
START DATE / TIME: 5/18/21 END DATE / TIME: 5/18/21

METEROLOGICAL CONDITIONS:

TEMP: ____ °F HUMIDITY: ____ %R.H. WIND: CALM LIGHT MODERATE VARIABLE
WINDSPEED: ____ MPH DIR: N NE E SE S SW W NW STEADY GUSTY
SKY: SUNNY CLEAR OVRCST PRTLY CLOUDY FOG RAIN OTHER:

ACOUSTIC MEASUREMENTS:

INSTRUMENT: Pic H TYPE: 1 (2) SERIAL #:
CALIBRATOR: CAL200 SERIAL #: 2916
CALIBRATION CHECK, BEFORE: 94.0 AFTER 93.8 WINDSCREEN X
SETTINGS: A-WEIGHTED (SLOW) FAST FRONTAL (RANDOM) (ANSI) OTHER:

FILE / MEAS #	START TIME	END TIME	L_{eq}	max	1.67	8.33	25	L 50	90	99	min

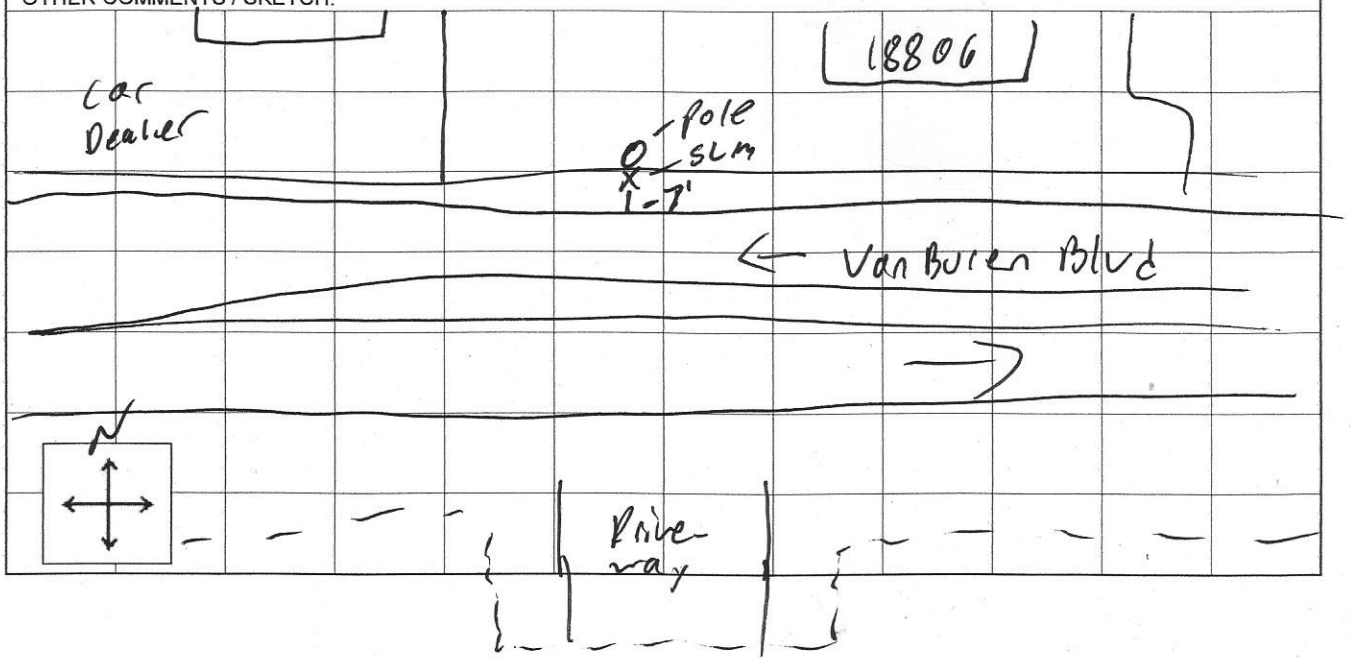
COMMENTS: Started @ 9:10 Am, Cleared @ 10:10 Am
Arrived @ 2:00 pm, Stopped @ 2:04 pm

NOISE SOURCE INFO:

PRIMARY NOISE SOURCE: TRAFFIC AIRCRAFT RAIL INDUSTRIAL AMBIENT OTHER:
ROADWAY TYPE:
OTHER SOURCES: DIST. AIRCRAFT / RUSTLING LEAVES / DIST. BARKING DOGS / BIRDS / DIST. INDUSTRIAL
DIST. CHILDREN PLAYING / DIST. TRAFFIC / DIST. LANDSCAPING ACTIVITIES / OTHER:

DESCRIPTION / SKETCH:

TERRAIN: HARD SOFT MIXED FLAT OTHER:
PHOTOS:
OTHER COMMENTS / SKETCH:



FIELD NOISE MEASUREMENT DATA

PROJECT: Riverside Housing Element PROJ. # 00660.20

SITE IDENTIFICATION: LT-4 OBSERVER(S): SCR
ADDRESS: Near 4640 Olivewood Ave, Riverside, CA 92501
START DATE / TIME: 7:52 AM - 5/17/21 END DATE / TIME: 5/17/21 - 8:39

METEROLOGICAL CONDITIONS:

TEMP: _____ °F HUMIDITY: _____ %R.H. WIND: CALM LIGHT MODERATE VARIABLE
WINDSPEED: _____ MPH DIR: N NE E SE S SW W NW STEADY GUSTY
SKY: SUNNY CLEAR OVRCST PRTLY CLOUDY FOG RAIN OTHER:

ACOUSTIC MEASUREMENTS:

INSTRUMENT: PIC F TYPE: 1 (2) SERIAL #:
CALIBRATOR: CAL200 SERIAL #: 2916
CALIBRATION CHECK, BEFORE: 94.0 AFTER 94.0 WINDSCREEN X

SETTINGS: A-WEIGHTED (SLOW) FAST FRONTAL RANDOM (ANSI) OTHER:

FILE / MEAS #	START TIME	END TIME	L_{eq}	max	L 1.67	8.33	25	50	90	99	min

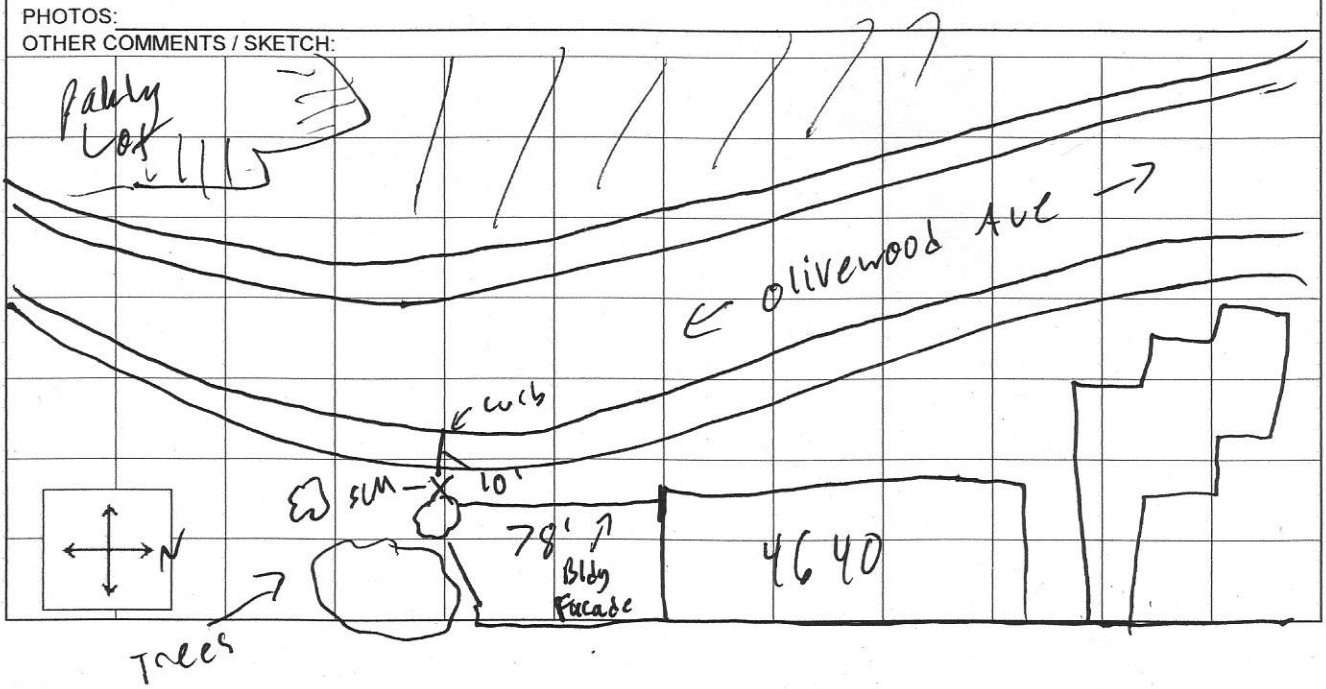
COMMENTS: Start: 7:52 AM, cleared @ 8:10 AM
Arrived @ 8:35 AM, stopped @ 8:39 AM

NOISE SOURCE INFO:

PRIMARY NOISE SOURCE: TRAFFIC AIRCRAFT RAIL INDUSTRIAL AMBIENT OTHER: _____
ROADWAY TYPE: _____
OTHER SOURCES: DIST. AIRCRAFT / RUSTLING LEAVES / DIST. BARKING DOGS / BIRDS / DIST. INDUSTRIAL
DIST. CHILDREN PLAYING / DIST. TRAFFIC / DIST. LANDSCAPING ACTIVITIES / OTHER:

DESCRIPTION / SKETCH:

TERRAIN: HARD SOFT MIXED FLAT OTHER: _____
PHOTOS: _____
OTHER COMMENTS / SKETCH:



FIELD NOISE MEASUREMENT DATA

PROJECT: Riverside Housing Element PROJ. # 00660.20

SITE IDENTIFICATION: ST-1 OBSERVER(S): JCR

ADDRESS: Near 4080 Lemon St, Riverside, CA 92501

START DATE / TIME: 5/17/21 ~ 11:03 AM END DATE / TIME: 5/17/21 ~ 11:23 AM

METEROLOGICAL CONDITIONS:

TEMP: 64 °F HUMIDITY: 72 %R.H. WIND: CALM LIGHT MODERATE VARIABLE

WINDSPEED: 0-2 MPH DIR: N NE E SE S SW W NW STEADY GUSTY

SKY: SUNNY CLEAR OVRCST PRTLY CLOUDY FOG RAIN OTHER:

ACOUSTIC MEASUREMENTS:

INSTRUMENT: LD 831 TYPE: 1 2 SERIAL #: 3786

CALIBRATOR: LD CAL 200 SERIAL #: 2916

CALIBRATION CHECK, BEFORE: 114.0 AFTER 113.9 WINDSCREEN X

SETTINGS: A-WEIGHTED SLOW FAST FRONTAL RANDOM ANSI OTHER:

FILE / MEAS #	START TIME	END TIME	L_{eq}	max	1.67	8.33	L 25	50	90	99	min
.347	11:03 AM	11:23 AM	67.7	77.1	73.5	70.8	68.2	66.5	64.2	62.5	61.3

COMMENTS:

NOISE SOURCE INFO:

PRIMARY NOISE SOURCE: TRAFFIC AIRCRAFT RAIL INDUSTRIAL AMBIENT OTHER:

ROADWAY TYPE: Lime St, 4L

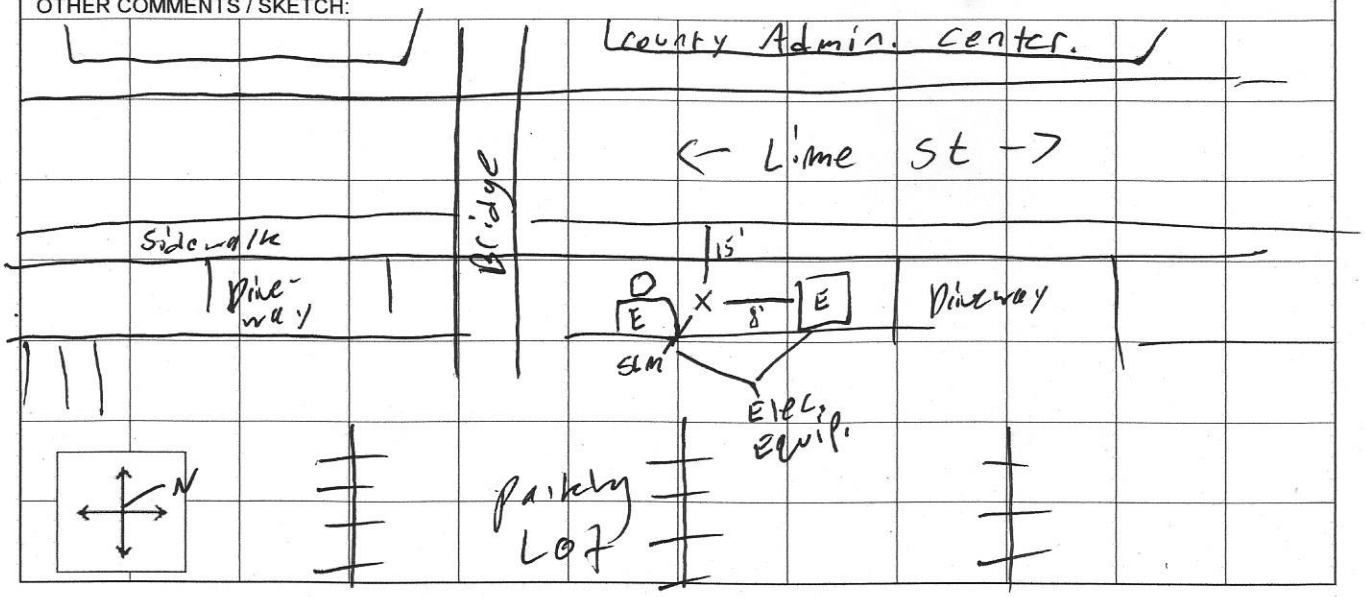
OTHER SOURCES: DIST. AIRCRAFT / RUSTLING LEAVES / DIST. BARKING DOGS / BIRDS / DIST. INDUSTRIAL
DIST. CHILDREN PLAYING / DIST. TRAFFIC / DIST. LANDSCAPING ACTIVITIES / OTHER:

DESCRIPTION / SKETCH:

TERRAIN: HARD SOFT MIXED FLAT OTHER:

PHOTOS:

OTHER COMMENTS / SKETCH:



FIELD NOISE MEASUREMENT DATA

PROJECT: Riverside Housing Element PROJ. # 00660.20

SITE IDENTIFICATION: ST-2 OBSERVER(S): JCR
ADDRESS: Near 2870 University Ave, Riverside, CA 92507
START DATE / TIME: 5/17/21 - 11:37 AM END DATE / TIME: 5/17/21 - 11:57

METEROLOGICAL CONDITIONS:
TEMP: 65 °F HUMIDITY: 70 %R.H. WIND: CALM LIGHT MODERATE VARIABLE
WINDSPEED: 3-5 MPH DIR: N NE E SE S SW W NW STEADY GUSTY
SKY: SUNNY CLEAR OVRCST PRTLY CLOUDY FOG RAIN OTHER:

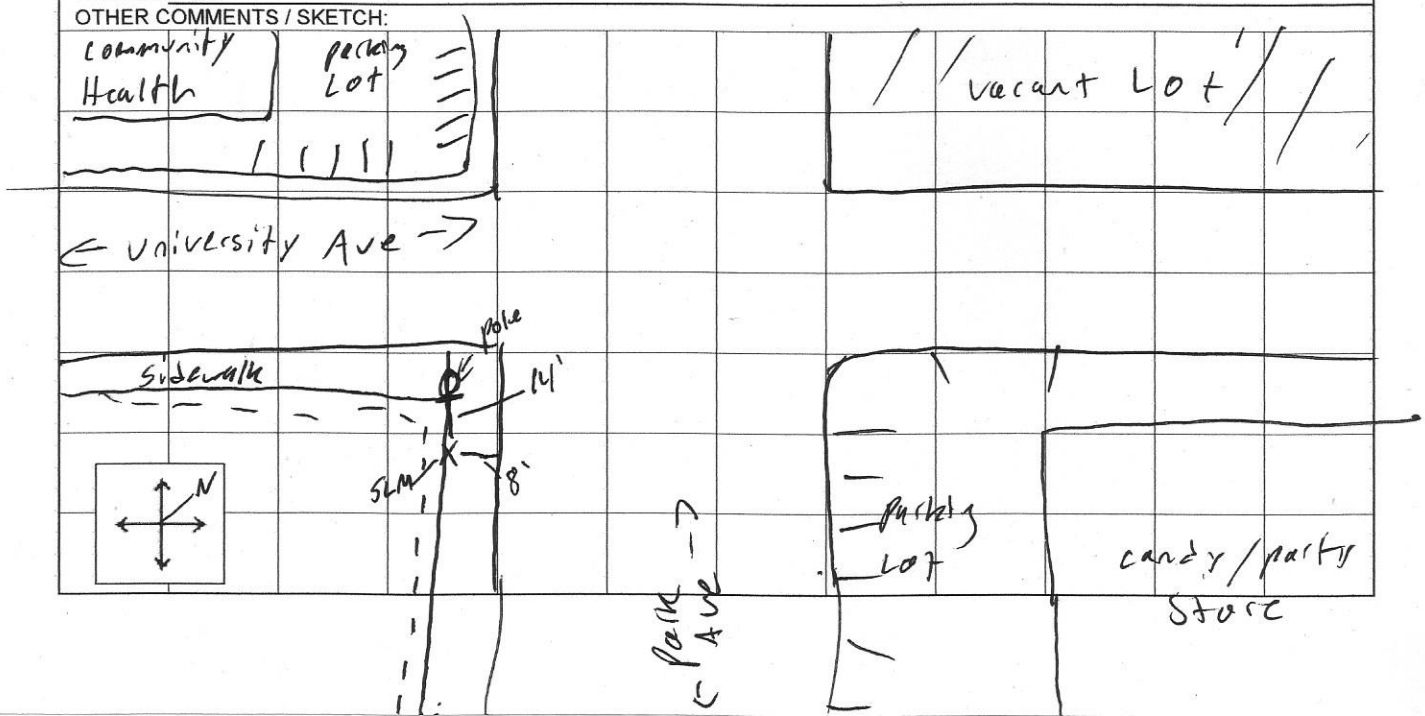
ACOUSTIC MEASUREMENTS:
INSTRUMENT: LD 831 TYPE: 1 2 SERIAL #: 3786
CALIBRATOR: LD CAL 200 SERIAL #: 2916
CALIBRATION CHECK, BEFORE: 114.0 AFTER 114.0 WINDSCREEN X
SETTINGS: A-WEIGHTED SLOW FAST FRONTAL RANDOM ANSI OTHER:

FILE / MEAS #	START TIME	END TIME	L_{eq}	max	1.67	8.33	25	L 50	90	99	min
.348	11:37 AM	11:57 AM	68.6	82.9	77.1	72.6	68.8	65.7	58.9	57.2	56.3

COMMENTS:

NOISE SOURCE INFO:
PRIMARY NOISE SOURCE: TRAFFIC AIRCRAFT RAIL INDUSTRIAL AMBIENT OTHER:
ROADWAY TYPE: University Ave
OTHER SOURCES: DIST. AIRCRAFT / RUSTLING LEAVES / DIST. BARKING DOGS / BIRDS / DIST. INDUSTRIAL
DIST. CHILDREN PLAYING / DIST. TRAFFIC / DIST. LANDSCAPING ACTIVITIES / OTHER:
Train Horn (Passed twice)
- passed out emergency siren

DESCRIPTION / SKETCH:
TERRAIN: HARD SOFT MIXED FLAT OTHER:
PHOTOS:
OTHER COMMENTS / SKETCH:



FIELD NOISE MEASUREMENT DATA

PROJECT: Riverside Housing Element PROJ. # 00660.20

SITE IDENTIFICATION: ST-3 OBSERVER(S): JCR
ADDRESS: Near 2727 Main St, Riverside, CA 92501
START DATE / TIME: 5/17/21 - 9:34AM END DATE / TIME: 5/17/21 - 9:54AM

METEROLOGICAL CONDITIONS:
TEMP: 61 °F HUMIDITY: 77 %R.H. WIND: CALM LIGHT MODERATE VARIABLE
WINDSPEED: 2-4 MPH DIR: N NE E SE S SW (W) NW STEADY GUSTY
SKY: SUNNY CLEAR (OVRCST) PRTLY CLOUDY FOG RAIN OTHER:

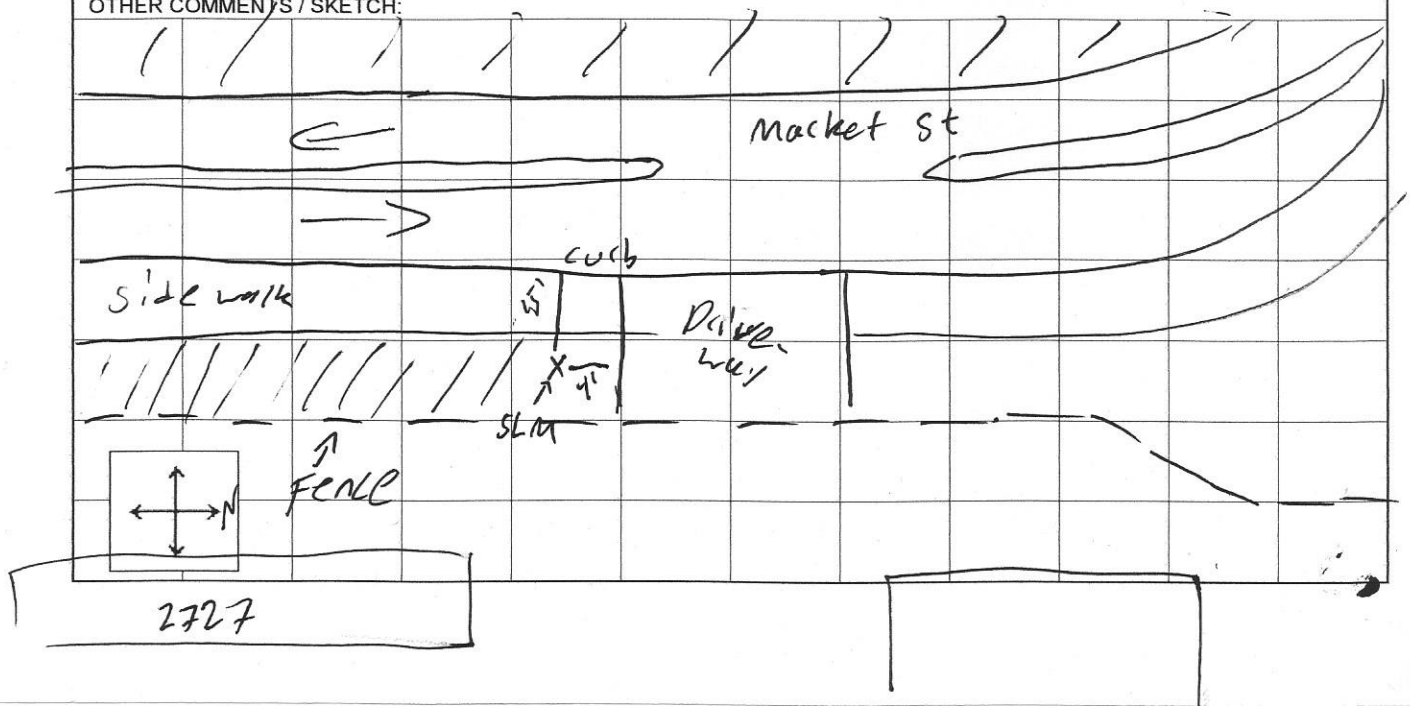
ACOUSTIC MEASUREMENTS:
INSTRUMENT: LD 831 TYPE: (1) 2 SERIAL #: 3786
CALIBRATOR: LD CAL 200 SERIAL #: 2916
CALIBRATION CHECK, BEFORE: 114.0 AFTER 114.0 WINDSCREEN X
SETTINGS: (A-WEIGHTED) (SLOW) FAST FRONTAL (RANDOM) (ANSI) OTHER:

FILE / MEAS #	START TIME	END TIME	L_{eq}	max	L 1.67	8.33	25	50	90	99	min
.345	9:34	9:54	67.3	79.4	75.5	72.4	67.7	63.6	52.8	48.8	47.8

COMMENTS:

NOISE SOURCE INFO:
PRIMARY NOISE SOURCE: (TRAFFIC) AIRCRAFT RAIL INDUSTRIAL AMBIENT OTHER:
ROADWAY TYPE: Market St
OTHER SOURCES: ~~DIST. AIRCRAFT~~ / RUSTLING LEAVES / DIST. BARKING DOGS / BIRDS / DIST. INDUSTRIAL
DIST. CHILDREN PLAYING / DIST. TRAFFIC / DIST. LANDSCAPING ACTIVITIES / OTHER:

DESCRIPTION / SKETCH:
TERRAIN: HARD SOFT MIXED FLAT OTHER:
PHOTOS:
OTHER COMMENTS / SKETCH:



FIELD NOISE MEASUREMENT DATA

PROJECT: Riverside Housing Element PROJ. # 00660.20

SITE IDENTIFICATION: ST-4 OBSERVER(S): JCR

ADDRESS: Near 821 W La Cadena Dr, Riverside, CA, 92501

START DATE / TIME: 5/17/21 - ~~8:48AM~~ 8:48AM END DATE / TIME: 5/17/21 - 9:08AM

METEROLOGICAL CONDITIONS:

TEMP: 62 °F HUMIDITY: 73 %R.H. WIND: CALM LIGHT MODERATE VARIABLE

WINDSPEED: 1-2 MPH DIR: N NE E SE S SW W NW STEADY GUSTY

SKY: SUNNY CLEAR OVRCST PRTLY CLOUDY FOG RAIN OTHER:

ACOUSTIC MEASUREMENTS:

INSTRUMENT: LD 831 TYPE: 1 2 SERIAL #: 3786

CALIBRATOR: LD CAL 200 SERIAL #: 2916

CALIBRATION CHECK, BEFORE: 114.0 AFTER 114.0 WINDSCREEN X

SETTINGS: A-WEIGHTED SLOW FAST FRONTAL RANDOM ANSI OTHER:

FILE / MEAS #	START TIME	END TIME	L_{eq}	max	L 1.67	L 8.33	L 25	L 50	L 90	L 99	min
~~8:48AM~~											
~~8:48~~	~~9:08~~										
344	8:48	9:08	69.2	75.9	72.9	71.3	70.0	68.9	66.5	62.9	61.5

COMMENTS:

NOISE SOURCE INFO:

PRIMARY NOISE SOURCE: TRAFFIC AIRCRAFT RAIL INDUSTRIAL AMBIENT OTHER:

ROADWAY TYPE: La Cadena / 215

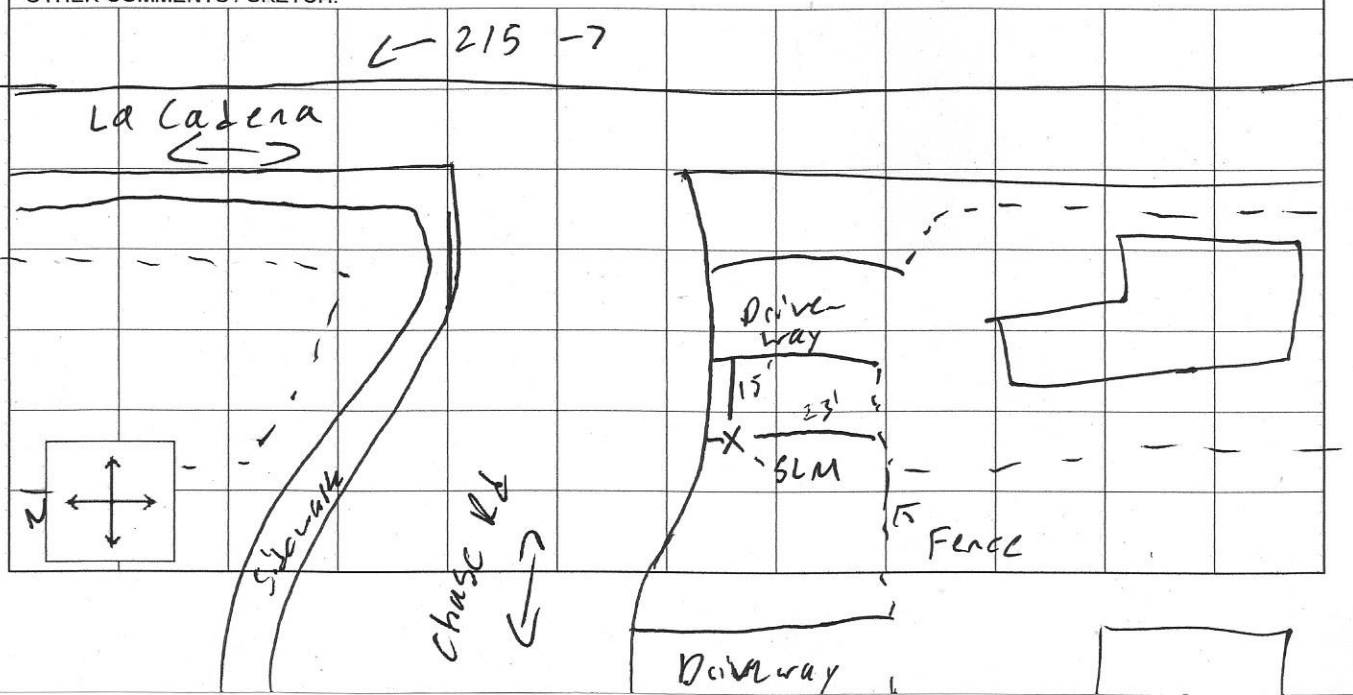
OTHER SOURCES: DIST. AIRCRAFT / RUSTLING LEAVES / DIST. BARKING DOGS / BIRDS / DIST. INDUSTRIAL DIST. CHILDREN PLAYING / DIST. TRAFFIC / DIST. LANDSCAPING ACTIVITIES / OTHER:

DESCRIPTION / SKETCH:

TERRAIN: HARD SOFT MIXED FLAT OTHER:

PHOTOS:

OTHER COMMENTS / SKETCH:



FIELD NOISE MEASUREMENT DATA

PROJECT: RIVERSIDE HS PROJ. #

SITE IDENTIFICATION: ST-5
ADDRESS: 6674 HUNTINGTON AVE OBSERVER(S): D. HARRIS
START DATE / TIME: 5-17 12:02 END DATE / TIME:

METEROLOGICAL CONDITIONS:
TEMP: 69 °F HUMIDITY: 32 %R.H. WIND: (CALM) LIGHT MODERATE VARIABLE
WINDSPEED: 0-3 MPH DIR: N NE E SE S SW W NW STEADY GUSTY
SKY: SUNNY CLEAR (OVRCST) PRTLY CLOUDY FOG RAIN OTHER:

ACOUSTIC MEASUREMENTS:
INSTRUMENT: LD LxT TYPE: (1) 2 SERIAL #: 4005
CALIBRATOR: CAL 200 SERIAL #:
CALIBRATION CHECK: PRE-TEST 113.9 dBA SPL POST-TEST dBA SPL WINDSCREEN 6645 ✓
SETTINGS: (A-WEIGHTED) (SLOW) FAST FRONTAL (RANDOM) (ANSI) OTHER:

REC #	START	END	L_{eq}	L_{max}	L_1	L_{10} 83	L_{25}	L_{50}	L_{90}	L_{99}	L_{min}
174	12:02	12:22	71.3	83.3	72.6	75.0	72.7	69.7	59.2	50.2	45.0

COMMENTS:

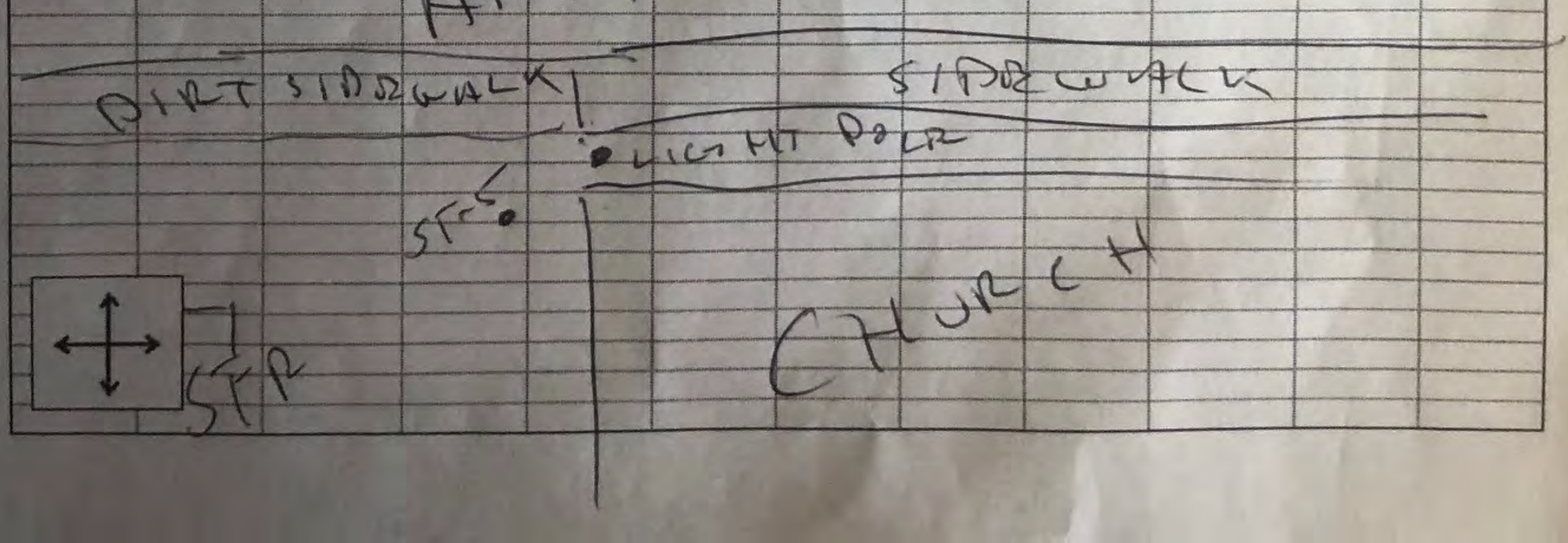
SOURCE INFO AND TRAFFIC COUNTS:
PRIMARY NOISE SOURCE: (TRAFFIC) AIRCRAFT RAIL INDUSTRIAL (AMBIENT) OTHER:
ROADWAY TYPE:
TRAFFIC COUNT DURATION: ____-MIN SPEED #2 COUNT SPEED

	NB / EB	SB / WB	NB / EB	SB / WB	NB / EB	SB / WB	NB / EB	SB / WB
AUTOS:								
MED. TRUCKS:								
HVY TRUCKS:								
BUSES:								
MOTORCYCLES:								

SPEED ESTIMATED BY: RADAR / DRIVING / OBSERVER

OTHER SOURCES: DIST. AIRCRAFT / RUSTLING LEAVES / DIST. BARKING DOGS / BIRDS / DIST. INDUSTRIAL
DIST. CHILDREN PLAYING / DIST. TRAFFIC / DIST. LANDSCAPING ACTIVITIES / OTHER:

DESCRIPTION / SKETCH:
TERRAIN: HARD SOFT MIXED FLAT OTHER:
PHOTOS: N E S W
OTHER COMMENTS / SKETCH:



FIELD NOISE MEASUREMENT DATA

PROJECT: _____ PROJ. # _____

SITE IDENTIFICATION: ST-6
ADDRESS: 10249 ARLINGTON AVE
START DATE / TIME: 5-17 11:32
OBSERVER(S): P.HARDIR
END DATE / TIME: _____

METEROLOGICAL CONDITIONS:
TEMP: 68 °F HUMIDITY: 41 %R.H. WIND: **CALM LIGHT MODERATE VARIABLE**
WINDSPEED: 3-5 MPH DIR: **N NE E SE S SW W NW** **STEADY GUSTY**
SKY: **SUNNY CLEAR OVRCST PRTLY CLOUDY FOG RAIN** **OTHER:**

ACOUSTIC MEASUREMENTS:
INSTRUMENT: LD LxT TYPE: **1** 2 SERIAL #: 4,007
CALIBRATOR: CAL 200 SERIAL #: 6641
CALIBRATION CHECK: PRE-TEST 114.06 dBA SPL POST-TEST 113.96 dBA SPL WINDSCREEN
SETTINGS: **A-WEIGHTED SLOW FAST FRONTAL RANDOM ANSI** **OTHER:**

REC #	START	END	L_{eq}	L_{max}	L_1	L_{10} 83	L_{25}	L_{50}	L_{90}	L_{99}	L_{min}
117	11:20	11:40	67.5	84.5	73.9	71.2	68.9	65.7	56.9	52.7	51.0

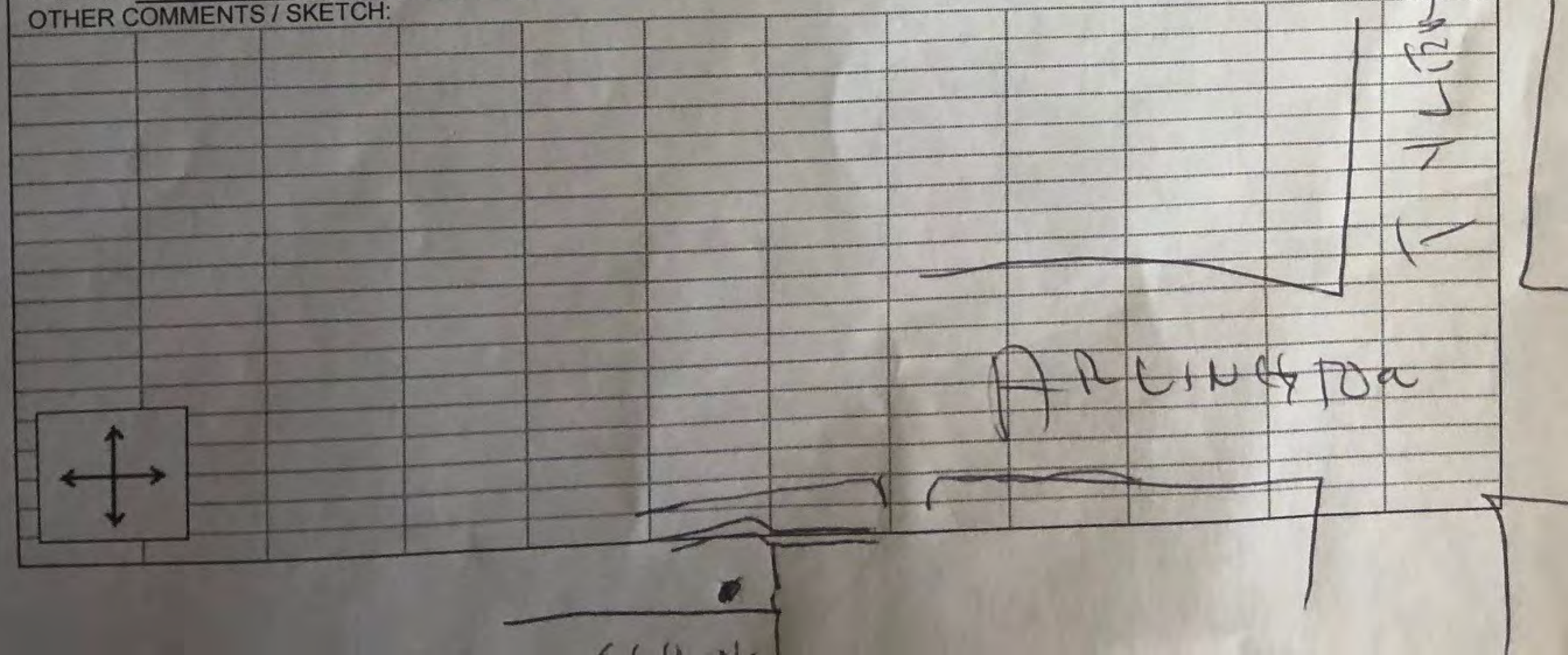
COMMENTS:

SOURCE INFO AND TRAFFIC COUNTS:
PRIMARY NOISE SOURCE: **TRAFFIC AIRCRAFT RAIL INDUSTRIAL AMBIENT** OTHER: _____
ROADWAY TYPE: _____
TRAFFIC COUNT DURATION: _____-MIN

	SPEED				#2 COUNT			
	NB / EB	**SB / WB**	**NB / EB**	**SB / WB**	**NB / EB**	**SB / WB**	**NB / EB**	**SB / WB**
AUTOS:								
MED. TRUCKS:								
HVY TRUCKS:								
BUSES:								
MOTORCYCLES:								

SPEED ESTIMATED BY: **RADAR / DRIVING / OBSERVER**
OTHER SOURCES: **DIST. AIRCRAFT / RUSTLING LEAVES / DIST. BARKING DOGS / BIRDS / DIST. INDUSTRIAL**
DIST. CHILDREN PLAYING / DIST. TRAFFIC / DIST. LANDSCAPING ACTIVITIES / OTHER:

DESCRIPTION / SKETCH:
TERRAIN: **HARD SOFT MIXED FLAT OTHER:** _____
PHOTOS: N E S W
OTHER COMMENTS / SKETCH:



FIELD NOISE MEASUREMENT DATA

PROJECT: _____ PROJ. # _____

SITE IDENTIFICATION: ST-7 OBSERVER(S): P. HARDIE
ADDRESS: 5061 LA SIERRA AVE
START DATE / TIME: 5-17 9:20 END DATE / TIME: _____

METEROLOGICAL CONDITIONS:
TEMP: 65 °F HUMIDITY: 38 %R.H. WIND: CALM (LIGHT) MODERATE VARIABLE
WINDSPEED: 3-5 MPH DIR: N NE E SE S SW (W) NW STEADY GUSTY
SKY: SUNNY CLEAR (OVRCST) PRTLY CLOUDY FOG RAIN OTHER:

ACOUSTIC MEASUREMENTS:
INSTRUMENT: LD 2x1 TYPE: (1) 2 SERIAL #: 4005
CALIBRATOR: CAL 200 SERIAL #: 6645
CALIBRATION CHECK: PRE-TEST 114.0 dBA SPL POST-TEST 114.0 dBA SPL WINDSCREEN ✓
SETTINGS: (A-WEIGHTED) (SLOW) FAST FRONTAL (RANDOM) (ANSI) OTHER: _____

REC #	START	END	L_{eq}	L_{max}	L_1	L_{10} 8.3	L_{25}	L_{50}	L_{90}	L_{99}	L_{min}
175	9:30	9:50	70.6	88.1	79.4	75.9	70.6	65.3	57.1	53.3	49.2

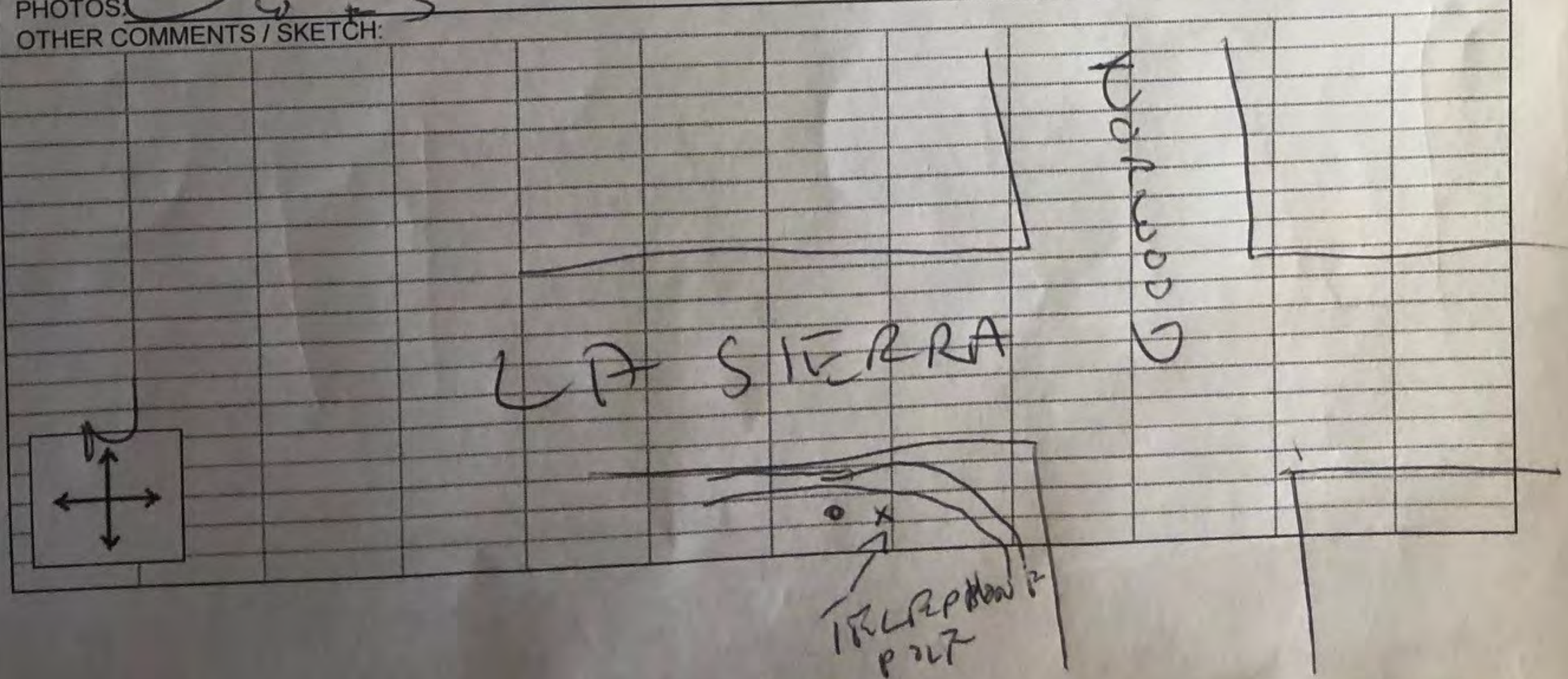
COMMENTS:

SOURCE INFO AND TRAFFIC COUNTS:
PRIMARY NOISE SOURCE: (TRAFFIC) AIRCRAFT RAIL INDUSTRIAL (AMBIENT) OTHER: _____
ROADWAY TYPE: _____
TRAFFIC COUNT DURATION: _____-MIN

	SPEED		#2 COUNT		SPEED	
	NB / EB	SB / WB	NB / EB	SB / WB	NB / EB	SB / WB
AUTOS:						
MED. TRUCKS:						
HVY TRUCKS:						
BUSES:						
MOTORCYCLES:						

SPEED ESTIMATED BY: RADAR / DRIVING / OBSERVER
OTHER SOURCES: DIST. AIRCRAFT / RUSTLING LEAVES / DIST. BARKING DOGS / (BIRDS) / DIST. INDUSTRIAL
DIST. CHILDREN PLAYING / DIST. TRAFFIC / DIST. LANDSCAPING ACTIVITIES / OTHER:

DESCRIPTION / SKETCH:
TERRAIN: (HARD) SOFT MIXED FLAT OTHER: _____
PHOTOS: ✓
OTHER COMMENTS / SKETCH:



FIELD NOISE MEASUREMENT DATA

PROJECT: RIVERSIDE HS PROJ. #

SITE IDENTIFICATION: ST-8
ADDRESS: 3625 POLK STREET OBSERVER(S): P. HARDER
START DATE / TIME: 5-17 8:05 END DATE / TIME:

METEROLOGICAL CONDITIONS:
TEMP: 67.7 °F HUMIDITY: 47 %R.H. WIND: **CALM** LIGHT MODERATE VARIABLE
WINDSPEED: 0 MPH DIR: N NE E SE S SW W NW STEADY GUSTY
SKY: SUNNY CLEAR **OVRCST** PRTLY CLOUDY FOG RAIN OTHER:

ACOUSTIC MEASUREMENTS:
INSTRUMENT: LD LXT TYPE: 1 2 SERIAL #: 4005
CALIBRATOR: LD CAL 200 SERIAL #: 6645
CALIBRATION CHECK: PRE-TEST 113.8 dBA SPL POST-TEST 114.1 dBA SPL WINDSCREEN
SETTINGS: **A-WEIGHTED** **SLOW** FAST FRONTAL **RANDOM** **ANSI** OTHER:

REC #	START	END	L_{eq}	L_{max}	L_1	$L_{8.3}$	L_{25}	L_{50}	L_{90}	L_{99}	L_{min}
123	8:05	8:20	61.6/74.3		68.5	65.4	62.8	59.2	54.3	52.8	52.1

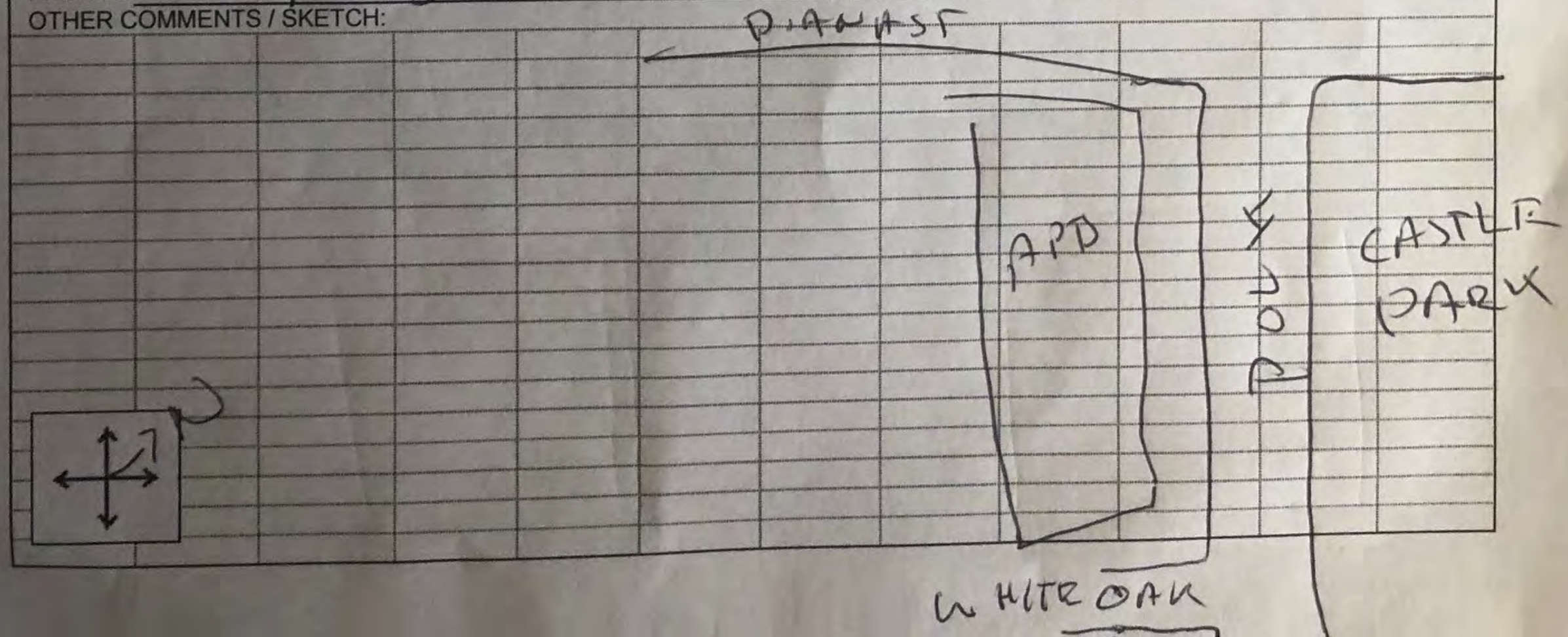
COMMENTS:

SOURCE INFO AND TRAFFIC COUNTS:
PRIMARY NOISE SOURCE: **TRAFFIC** AIRCRAFT RAIL INDUSTRIAL **AMBIENT** OTHER:
ROADWAY TYPE:
TRAFFIC COUNT DURATION: ____-MIN SPEED #2 COUNT SPEED

	NB / EB	SB / WB	NB / EB	SB / WB	NB / EB	SB / WB	NB / EB	SB / WB
AUTOS:								
MED. TRUCKS:								
HVY TRUCKS:								
BUSES:								
MOTORCYCLES:								

SPEED ESTIMATED BY: RADAR / DRIVING / OBSERVER
OTHER SOURCES: **DIST. AIRCRAFT / RUSTLING LEAVES / DIST. BARKING DOGS / BIRDS / DIST. INDUSTRIAL**
DIST. CHILDREN PLAYING / DIST. TRAFFIC / DIST. LANDSCAPING ACTIVITIES / OTHER:
SR-91 SETS BKGRND

DESCRIPTION / SKETCH:
TERRAIN: **HARD** SOFT MIXED FLAT OTHER:
PHOTOS: N & SW
OTHER COMMENTS / SKETCH:



FIELD NOISE MEASUREMENT DATA

PROJECT: RIVERSIDE HS PROJ. # _____

SITE IDENTIFICATION: ST-9
ADDRESS: 10125 INDIANA AVE
START DATE / TIME: 5-12 715
OBSERVER(S): R. HARDING
END DATE / TIME: _____

METEROLOGICAL CONDITIONS:
TEMP: _____ °F HUMIDITY: _____ %R.H. WIND: (CALM) LIGHT MODERATE VARIABLE
WINDSPEED: ____ MPH DIR: N NE E SE S SW W NW STEADY GUSTY
SKY: SUNNY CLEAR (OVRCST) PRTLY CLOUDY FOG RAIN OTHER:

ACOUSTIC MEASUREMENTS:
INSTRUMENT: LD LXT TYPE: (1) 2 SERIAL #: 4005
CALIBRATOR: CAL 200 SERIAL #: _____
CALIBRATION CHECK: PRE-TEST 113.74 dBA SPL POST-TEST 113.86 dBA SPL WINDSCREEN ✓
SETTINGS: (A-WEIGHTED) (SLOW) FAST FRONTAL (RANDOM) (ANSI) OTHER: _____

REC #	START	END	L_{eq}	L_{max}	L_5	L_{10}	L_{25} (33.3)	L_{50}	L_{90}	L_{99}	L_{min}
172	7:15	7:35	72.3	88.3	74.6	73.6	72.0	71.4	69.8	_____	67.8
_____	_____	_____	_____	_____	76.5	68.3 / 73	L 25	_____	_____	68.7	_____
_____	_____	_____	_____	_____	_____	73.4	72.4	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____	_____	_____	_____	_____	_____

COMMENTS:

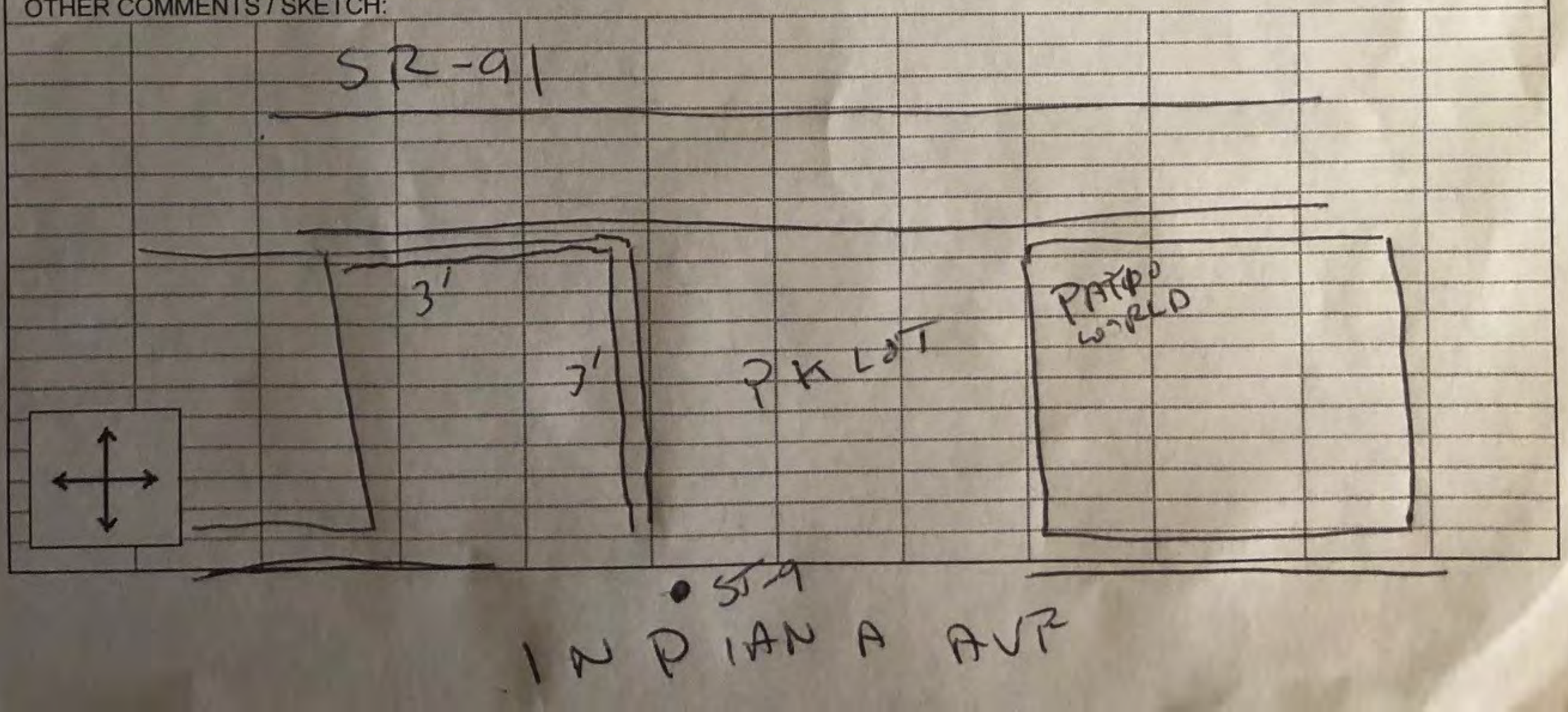
SOURCE INFO AND TRAFFIC COUNTS:
PRIMARY NOISE SOURCE: (TRAFFIC) AIRCRAFT RAIL INDUSTRIAL (AMBIENT) OTHER: _____
ROADWAY TYPE: _____
TRAFFIC COUNT DURATION: _____-MIN

	SPEED NB / EB	SPEED SB / WB	#2 COUNT NB / EB	#2 COUNT SB / WB	SPEED NB / EB	SPEED SB / WB
AUTOS:	_____	_____	_____	_____	_____	_____
MED. TRUCKS:	_____	_____	_____	_____	_____	_____
HVY TRUCKS:	_____	_____	_____	_____	_____	_____
BUSES:	_____	_____	_____	_____	_____	_____
MOTORCYCLES:	_____	_____	_____	_____	_____	_____

SPEED ESTIMATED BY: RADAR / DRIVING / OBSERVER

OTHER SOURCES: DIST. AIRCRAFT / RUSTLING LEAVES / DIST. BARKING DOGS / BIRDS / DIST. INDUSTRIAL
DIST. CHILDREN PLAYING / DIST. TRAFFIC / DIST. LANDSCAPING ACTIVITIES / OTHER:

DESCRIPTION / SKETCH:
TERRAIN: (HARD) SOFT MIXED FLAT OTHER: _____
PHOTOS: _____
OTHER COMMENTS / SKETCH:



FIELD NOISE MEASUREMENT DATA

PROJECT: Riverside Housing Element PROJ. # 60660.20

SITE IDENTIFICATION: ST-10 OBSERVER(S): JCR

ADDRESS: Near 1825 3rd St, Riverside, CA 92507

START DATE / TIME: 5/17/21 - 12:11 pm END DATE / TIME: 5/17/21 - 12:31 pm

METEROLOGICAL CONDITIONS:

TEMP: 66 °F HUMIDITY: 60.0 %R.H. WIND: CALM LIGHT MODERATE VARIABLE

WINDSPEED: 0-2 MPH DIR: N NE E SE S SW W NW STEADY GUSTY

SKY: SUNNY CLEAR OVRCST PRTLY CLOUDY FOG RAIN OTHER:

ACOUSTIC MEASUREMENTS:

INSTRUMENT: LD 831 TYPE: 1 2 SERIAL #: 3786

CALIBRATOR: LD CAL 200 SERIAL #: 2916

CALIBRATION CHECK, BEFORE: 114.0 AFTER 114.0 WINDSCREEN X

SETTINGS: A-WEIGHTED SLOW FAST FRONTAL RANDOM ANSI OTHER:

FILE / MEAS #	START TIME	END TIME	L_{eq}	max	L 1.67	8.33	25	50	90	99	min
.349	12:11 pm	12:31 pm	68.5	81.5	76.1	73.2	69.7	69.9	54.5	48.9	47.8

COMMENTS:

NOISE SOURCE INFO:

PRIMARY NOISE SOURCE: TRAFFIC AIRCRAFT RAIL INDUSTRIAL AMBIENT OTHER:

ROADWAY TYPE:

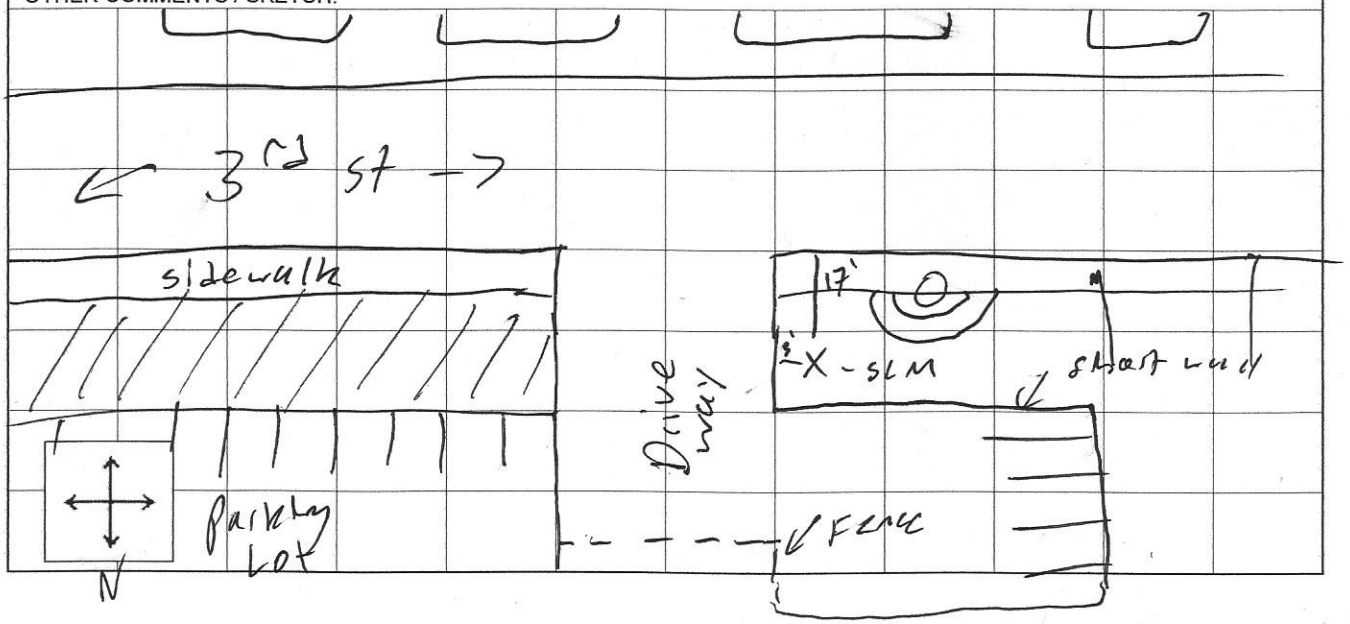
OTHER SOURCES: DIST. AIRCRAFT / RUSTLING LEAVES / DIST. BARKING DOGS / BIRDS / DIST. INDUSTRIAL
DIST. CHILDREN PLAYING / DIST. TRAFFIC / DIST. LANDSCAPING ACTIVITIES / OTHER:

DESCRIPTION / SKETCH:

TERRAIN: HARD SOFT MIXED FLAT OTHER:

PHOTOS:

OTHER COMMENTS / SKETCH:



FIELD NOISE MEASUREMENT DATA

PROJECT: RIVERSIDE HE PROJ. #

SITE IDENTIFICATION: ST-11 OBSERVER(S): P. HARRIS
ADDRESS: 3375 IOWA AVE
START DATE / TIME: 5-18 7:56 END DATE / TIME:

METEROLOGICAL CONDITIONS:
TEMP: 65 °F HUMIDITY: 57 %R.H. WIND: **CALM LIGHT MODERATE VARIABLE**
WINDSPEED: 0 MPH DIR: **N NE E SE S SW W NW STEADY GUSTY**
SKY: **SUNNY CLEAR OVRCST PRTLY CLOUDY FOG RAIN OTHER:**

ACOUSTIC MEASUREMENTS:
INSTRUMENT: LD LXT TYPE: 1 2 SERIAL #: 4005
CALIBRATOR: CAL 200 SERIAL #: 6641
CALIBRATION CHECK: PRE-TEST 113.96 dBA SPL POST-TEST 114.06 dBA SPL WINDSCREEN ✓
SETTINGS: **A-WEIGHTED SLOW FAST FRONTAL RANDOM ANSI** OTHER:

REC #	START	END	L_{eq}	L_{max}	L_1	L_{10} 83	L_{25}	L_{50}	L_{90}	L_{99}	L_{min}
181	7:56	8:16	64.1	100							
				80.6	70.2	65.4	64.1	62.4	60.3	59.3	58.7

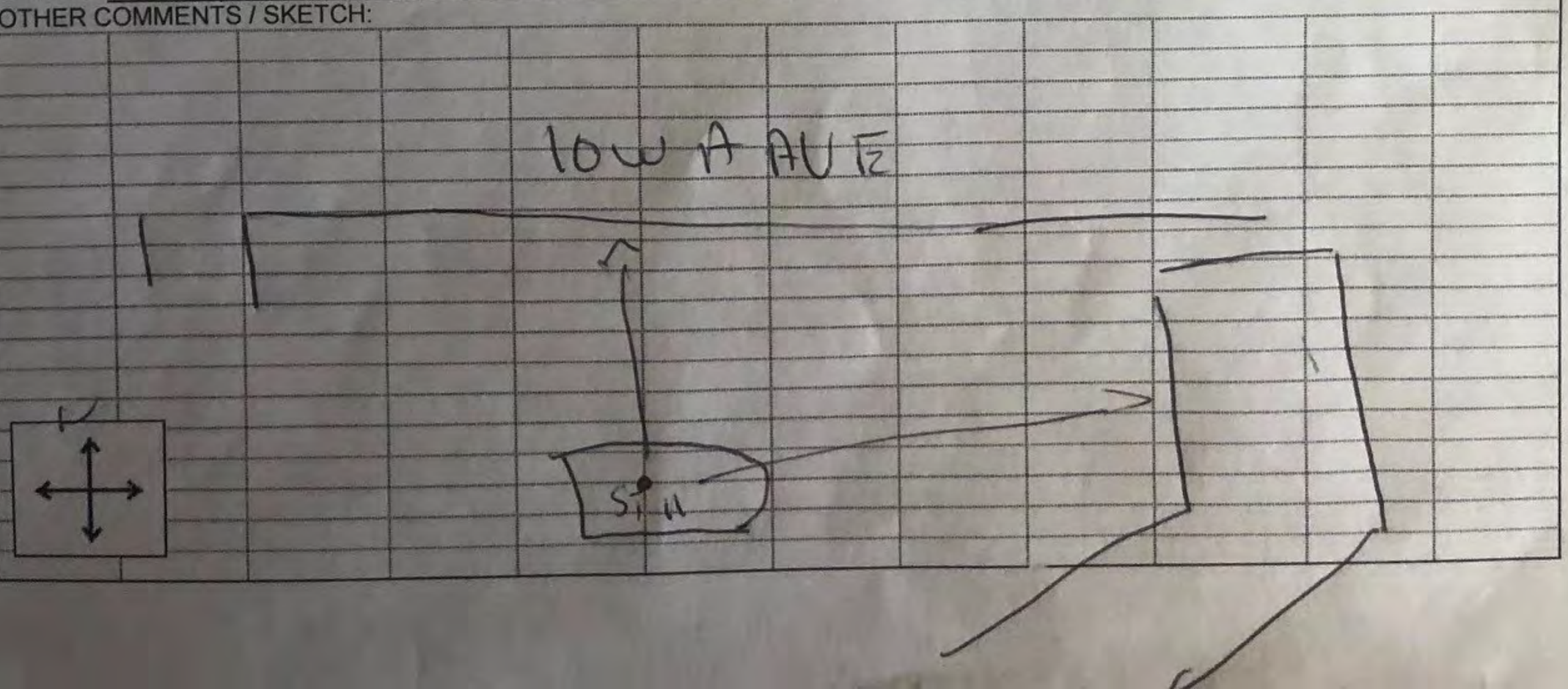
COMMENTS:

SOURCE INFO AND TRAFFIC COUNTS:
PRIMARY NOISE SOURCE: **TRAFFIC AIRCRAFT RAIL INDUSTRIAL AMBIENT OTHER:**
ROADWAY TYPE:
TRAFFIC COUNT DURATION: ____-MIN

	SPEED NB / EB	SPEED SB / WB	#2 COUNT NB / EB	#2 COUNT SB / WB	SPEED NB / EB	SPEED SB / WB
AUTOS:						
MED. TRUCKS:						
HVY TRUCKS:						
BUSES:						
MOTORCYCLES:						

SPEED ESTIMATED BY: **RADAR / DRIVING / OBSERVER**
OTHER SOURCES: **DIST. AIRCRAFT / RUSTLING LEAVES / DIST. BARKING DOGS / BIRDS / DIST. INDUSTRIAL DIST. CHILDREN PLAYING / DIST. TRAFFIC / DIST. LANDSCAPING ACTIVITIES / OTHER:**

DESCRIPTION / SKETCH:
TERRAIN: **HARD SOFT MIXED FLAT OTHER:**
PHOTOS: N E S W
OTHER COMMENTS / SKETCH:



FIELD NOISE MEASUREMENT DATA

PROJECT: RIVERSIDE HS PROJ. # _____

SITE IDENTIFICATION: ST-12
ADDRESS: 1485 UNIVERSITY AVE
START DATE / TIME: 5-18 8:26
OBSERVER(S): P. HARDIE
END DATE / TIME: _____

METEROLOGICAL CONDITIONS:
TEMP: 68 °F HUMIDITY: 42 %R.H. WIND: **CALM LIGHT MODERATE VARIABLE**
WINDSPEED: ____ MPH DIR: **N NE E SE S SW W NW STEADY GUSTY**
SKY: **SUNNY CLEAR (OVRCST) PRTLY CLOUDY FOG RAIN OTHER:**

ACOUSTIC MEASUREMENTS:
INSTRUMENT: LD 2xt TYPE: (2) SERIAL #: 4005
CALIBRATOR: CAL 200 SERIAL #: 6645
CALIBRATION CHECK: PRE-TEST 114.0 dBA SPL POST-TEST 113.9 dBA SPL WINDSCREEN ✓
SETTINGS: **(A-WEIGHTED) (SLOW) FAST FRONTAL (RANDOM) (ANSI)** OTHER: _____

REC #	START	END	L_{eq}	L_{max}	L_1	L_{10} (8.)	L_{25}	L_{50}	L_{90}	L_{99}	L_{min}
18	8:26	8:46	59.4	73.5	66.0	62.9	60.2	56.9	52.3	48.9	47.8

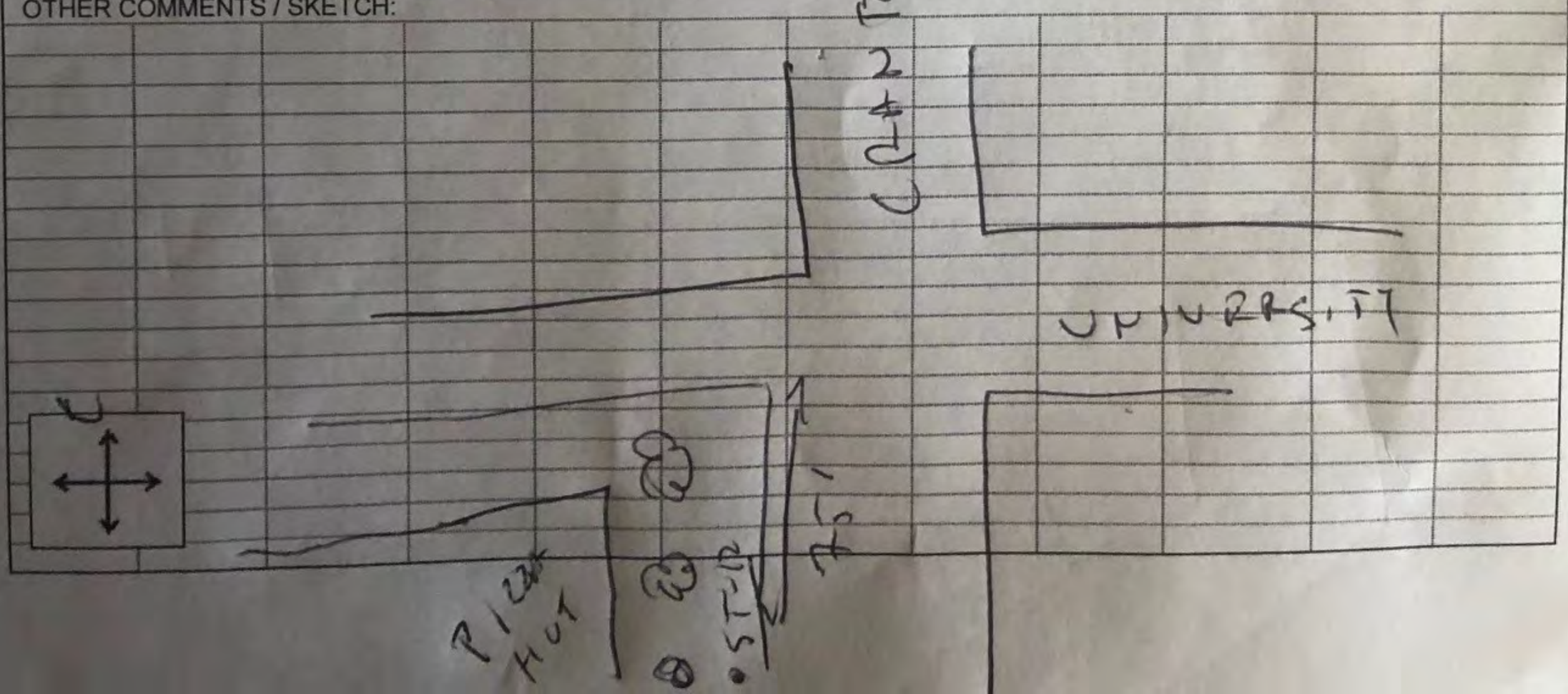
COMMENTS: TRAFFIC NOISE FROM AUTO CLEANING @ AUTO

SOURCE INFO AND TRAFFIC COUNTS:
PRIMARY NOISE SOURCE: (TRAFFIC) **AIRCRAFT RAIL INDUSTRIAL (AMBIENT) OTHER:** _____
ROADWAY TYPE: _____
TRAFFIC COUNT DURATION: ____-MIN SPEED #2 COUNT SPEED

	NB / EB	SB / WB	NB / EB	SB / WB	NB / EB	SB / WB	NB / EB	SB / WB
AUTOS:								
MED. TRUCKS:								
HVY TRUCKS:								
BUSES:								
MOTORCYCLES:								

SPEED ESTIMATED BY: **RADAR / DRIVING / OBSERVER**
OTHER SOURCES: **DIST. AIRCRAFT / RUSTLING LEAVES / DIST. BARKING DOGS / BIRDS / (DIST. INDUSTRIAL)**
DIST. CHILDREN PLAYING / DIST. TRAFFIC / DIST. LANDSCAPING ACTIVITIES / OTHER:

DESCRIPTION / SKETCH:
TERRAIN: (HARD) **SOFT MIXED FLAT OTHER:** _____
PHOTOS: N E S W
OTHER COMMENTS / SKETCH:



FIELD NOISE MEASUREMENT DATA

PROJECT: Riverside Housing Element PROJ. # 00660.20

SITE IDENTIFICATION: ST-13 OBSERVER(S): JCK
ADDRESS: Near 1223 University Ave, Riverside, CA 92507
START DATE / TIME: 5/17/21 - 1:00 pm END DATE / TIME: 5/17/21 - 1:20 pm

METEROLOGICAL CONDITIONS:
TEMP: 70 °F HUMIDITY: 60 %R.H. WIND: CALM (LIGHT) MODERATE VARIABLE
WINDSPEED: 2-4 MPH DIR: N NE E SE (S SW) W NW STEADY GUSTY
SKY: SUNNY CLEAR (OVRCST) PRTLY CLOUDY FOG (RAIN) OTHER:

ACOUSTIC MEASUREMENTS:
INSTRUMENT: LD 831 TYPE: (1) 2 SERIAL #: 3786
CALIBRATOR: LD CAL 200 SERIAL #: 2916
CALIBRATION CHECK, BEFORE: 114.0 AFTER 114.0 WINDSCREEN X
SETTINGS: (A-WEIGHTED) (SLOW) FAST FRONTAL (RANDOM) (ANSI) OTHER:

FILE / MEAS #	START TIME	END TIME	L_{eq}	max	L 1.67	8.33	25	50	90	99	min
350	1:00pm	1:20pm	65.8	77.7	72.7	69.7	66.8	63.5	58.7	57.4	56.9

COMMENTS:

NOISE SOURCE INFO:
PRIMARY NOISE SOURCE: (TRAFFIC) AIRCRAFT RAIL INDUSTRIAL AMBIENT OTHER:
ROADWAY TYPE:
OTHER SOURCES: DIST. AIRCRAFT / RUSTLING LEAVES / DIST. BARKING DOGS / BIRDS / DIST. INDUSTRIAL
DIST. CHILDREN PLAYING / DIST. TRAFFIC / DIST. LANDSCAPING ACTIVITIES / OTHER:

DESCRIPTION / SKETCH:
TERRAIN: (HARD) SOFT MIXED FLAT OTHER:
PHOTOS:
OTHER COMMENTS / SKETCH: