CITY OF HIGHLAND
REGULAR MEETING OF THE PLANNING COMMISSION AGENDA

REGULAR MEETING

September 20, 2022
6:00 p.m.
City Hall
Donahue Council Chambers
27215 Base Line
Highland, California

MEMBERS

Randall Hamerly, Chair
Chandra Thomas, Vice Chair
Edward Amaya, Commissioner
Jarrod Miller, Commissioner
Jessica Sutorus, Commissioner

STAFF

Lawrence A. Mainez, Community Development Director
Kim Stater, Assistant Community Development Director
Ash Syed, Associate Planner
Angela Tafolla, Assistant Planner
Angelica Martinez, Planning Technician II
Camille Goritz, Administrative Assistant III

MISSION STATEMENT

Highland is dedicated to the betterment of the individual, the family, the neighborhood and the community. The City Council and the staff of Highland are dedicated to providing the quality of public facilities and services that its citizens are willing to fund and will do so as efficiently as possible.

Visit the City's Website at: www.cityofhighland.org

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Pursuant to Government Code Section 54957.5, any disclosable public records related to an open session item on a regular meeting agenda and distributed by the City of Highland to all or a majority of the Planning Commission, less than 72 hours prior to that meeting, are available for public inspection at Highland City Hall, 27215 Base Line, Highland, CA 92346, during normal business hours.

Submission of Public Comments: For those wishing to make public comments by email, please submit your comments by email to be read aloud at the meeting. Email comments must be submitted by 5:00 p.m. on September 20, 2022 to publiccomment@cityofhighland.org. if you are submitting a public comment pertaining to an item on the September 20, 2022 agenda, please identify the agenda item number in the subject line.

For those wishing to make public comments regarding a public hearing item please identify the agenda item in the subject line. Comments can be submitted any time prior to the meeting, as well as during the meeting up until the close of the public hearing on the corresponding item to be considered part of the record. Please email your comments at publiccomment@cityofhighland.org.

Members of the public will be permitted to make public comments in person.

PLANNING COMMISSION
REGULAR MEETING AGENDA
September 20, 2022 - 6:00 P.M.

CALL TO ORDER

PLEDGE OF ALLEGIANCE

COMMUNITY INPUT (ITEMS NOT ON THE AGENDA)

To address the Planning Commission, please complete a speaker form located at the entrance and give it to the Administrative Assistant prior to the beginning of the meeting. Your name will be called when it is your turn to speak. Individual speakers are limited to three minutes each. Comments received via email by September 20, 2022, 5:00 p.m., will be read into the record, provided that the reading shall not exceed three (3) minutes.

CONSENT CALENDAR

1. Minutes from the September 6, 2022 Regular Meeting.
   RECOMMENDATION: That the Planning Commission approve the minutes, as submitted.

PUBLIC HEARINGS

2. A One-Year Extension of Time (EXT 22-002) for Conditional Use Permit (CUP 17-003) and Design Review Application (DRA 18-005) to accommodate a 33,775 square foot expansion of an existing self-storage facility.
   RECOMMENDATION: Staff recommends the Planning Commission Adopt Resolution No. 2022- ___ approving a one (1) year Extension of Time (EXT-22-002), subject to the Conditions of Approval and Findings of Fact.

3. Conditional Use Permit (CUP 22-003) to permit the development of a 90,532 square foot warehouse and associated improvements, Design Review Application (DRA 22-008) for the Site Plan, Building Elevations, Grading Plan and Conceptual Landscape Plan, Tentative Parcel Map (TPM 22-009) to combine four (4) parcels into one (1), and Variance (VAR 22-003) allowing the warehouse building to exceed the maximum building height permitted in the Business Park Zone by fourteen (14) feet.
   RECOMMENDATION: Staff recommends the Planning Commission:
   1. Adopt Resolution No. 2022 - _____ approving Conditional Use Permit CUP-22-003 for the development of a 90,532 square foot warehouse and associated improvements, subject to the Conditions of Approval, and the Findings of Fact;
   2. Adopt Resolution No. 2022- ___ approving Design Review Application (DRA 22-008) for the project's Site Plan, Building Elevations, Grading Plan and Conceptual Landscape Plan, subject to the Conditions of Approval, and the Findings of Fact;
   3. Adopt Resolution No. 2022-___ approving Tentative Parcel Map (TPM 22-009) to combine four (4) parcels into one (1), subject to the Conditions of Approval, and the Findings of Fact;
   4. Adopt Resolution No. 2022 - ____ approving Variance (VAR 22-003) to allow the warehouse building to exceed the maximum building height permitted in the Business Park Zone by fourteen (14) feet; and
   5. Adopt Resolution No. 2022-___ certifying the associated Mitigated Negative Declaration (ENV 22-005), and direct staff to file a Notice of Determination with the County Clerk of the Board.

ANNOUNCEMENTS

ADJOURN

I, Camille Goritz, Administrative Assistant III of the City of Highland, California, certify that I caused to be posted this agenda on or before the 15th of September 2022 by 5:30 p.m. on our website at www.cityofhighland.org and in the following designated areas:

Highland Branch Library
7863 Central Avenue

Fire Station No. 1
26974 Base Line

City Hall
27215 Base Line

Date: September 15, 2022

Camille Goritz Administrative Assistant III

STAFF REPORT

TO THE PLANNING COMMISSION

DATE: September 20, 2022

FROM: Lawrence Mainez, Community Development Director

PREPARED BY: Camille Goritz, Administrative Assistant III

SUBJECT: Minutes from the September 6, 2022 Planning Commission Regular Meeting.

RECOMMENDATION: Staff recommends the Planning Commission approve the Minutes as submitted.

PUBLIC NOTICE: The agenda for this item was posted at the three locations per Resolution No. 2011-047 and on the City's website.

Approved _____ Motion _____ Second _____ Agenda Item No. 1

Denied _____ Ayes _____

Continued _____ Noes _____ File No. _____

Tabled _____ Abstain _____

Absent _____

Recording Secretary

Community Development Director

PLANNING COMMISSION REGULAR MEETING MINUTES
September 6, 2022 – 6:00 P.M.

CALL TO ORDER

The regular meeting of the Planning Commission of the City of Highland was called to order at 6:05 p.m. by Chair Hamerly at the Donahue Council Chambers, 27215 Base Line, Highland, California.

Present:	Chair	Randall Hamerly
	Vice Chair	Chandra Thomas
	Commissioner	Jarrod Miller
	Commissioner	Jessica Sutorus
Absent:	Commissioner	Edward Amaya

Staff Present: Lawrence Mainez, Community Development Director
Kim Stater, Assistant Community Development Director
Ash Syed, Associate Planner
Angela Tafolla, Assistant Planner
Matt Bennett, Assistant Public Works Director
Matt Wirz, Building Official
Camille Goritz, Administrative Assistant III
Scott Rice, City Landscape Architect

The Pledge of Allegiance was led by Chair Hamerly.

COMMUNITY INPUT (ITEMS NOT ON THE AGENDA)

None.

CONSENT CALENDAR

1. Minutes from the August 16, 2022 Regular Meeting.

A MOTION was made by Vice Chair Thomas, seconded by Commissioner Miller, to approve the minutes as amended. Motion carried, 4-1, with Commissioner Amaya being absent.

PUBLIC HEARINGS

2. Municipal Code Amendment (MCA-21-001): An Ordinance of the City of Highland amending Chapter 16.06 (Definitions), Chapter 16.20 (Commercial Districts), Chapter 16.24 (Employment Districts), Chapter 16.44 (Specific Use Development Standards), and Chapter 16.52 (Parking Regulations) to eliminate ambiguities and inconsistencies in the code as well as reflections of new legislation related to service stations.

Assistant Planner Tafolla presented the staff report.

Commissioner Sutorus asked can you define what kind of vending machines will be on site?

Assistant Planner Tafolla stated coin operated vending machines that are outside.

Chair Hamerly stated point of clarification the chapters that go along with the Highland Municipal Code (HMC) Amendment is addressing parking. Are we addressing the parking for the service or fueling stations? A prior Planning Commission meeting we discussed other parking regulations that were going to be studied.

Assistant Planner Tafolla stated it's only related to service stations.

Chair Hamerly stated regarding the definitions and consistency, it is mentioned that the separation between the fueling stations would be measured from centerline of canopy. Most of the stipulations that are talking about separation between one use and another, it is typically measured from the property boundary. Why wouldn't we keep that metric consistent for the purposes of fueling stations?

Assistant Planner Tafolla stated staff recognizes that property size and shapes vary significantly. We used the pinpoint of the center of the canopy because it is the main use of the fueling station and was the best matrix to evaluate that concentration issue to reduce any disparities if we were to measure from property line.

Chair Hamerly stated for example TREH Partners, even though it's a master planned project, they did subdivide within each of those parcels so they would have the ability to sublease to a vendor that was going to build and operate a service station, restaurant, or commercial use.

Assistant Community Development Director Stater stated it was to address alternate scenarios, for example, Food for Less and the service station that is on the parcel so that when we did have larger parcels, we had multiple users. The idea visually was we were looking to separate was the canopies.

Chair Hamerly asked so staffs opinion that the 250 feet buffer would addresses the concerns that we would have at the gateways along 3rd Street, 5th Street and Base Line?

Assistant Community Development Director Stater stated yes. We looked at many scenarios and we brought the one that we thought made the most sense, but we looked at 500/1,000 feet. Other communities had stricter guidelines, but it eliminates the opportunities that were necessary for fueling in the city.

Chair Hamerly asked is it staffs understanding that the term fueling was also applying to Electric Vehicles (EV)?

Assistant Community Development Director Stater stated yes, the definition itself we tried to be more expansive to make sure we included the EV.

Chair Hamerly stated page 17 on subsection 5 under canopies, there were only items A and B related to the exterior design of canopies. It stated should be located no closer than 10 feet from any property line, pronounced massing should be applied to canopy support posts. We have had some issue with applicants regarding that. It seems it's missing some of the other macro issues that we've had. The canopy lighting and signage, it can be very bright, and we've had some issues with some applicants regarding the maximum canopy heights. The canopy heights need to reflect what the primary vehicles are being serviced.

Assistant Community Development Director Stater stated I have lighting, signage, massing of the canopy itself, materials, and canopy height, so I'll try and work on some language.

Chair Hamerly stated regarding item 9, it stated it is no more than one driveway with a maximum with 35 feet should be permitted on any one street frontage and shall be located as follows and no closer than 50 feet from a street intersection. Some of the master planned developments have internal circulation and the service station basically is placed at a signalized intersection, but it's not placed directly onto the arterial. Using this definition, you would not be able to exit at even a signalized intersection.

Assistant Community Development Director Stater asked are you referring to a street intersection?

Chair Hamerly stated it says the driveway.

Assistant Community Development Director Stater stated maybe we should say standalone stations.

Chair Hamerly stated discussing fast charge stations would be required. The charging stations should not be anywhere in the vehicle cue for fueling for the pumps and the pumps should not block the access to the charging stations.

Commissioner Miller asked do we know where we stand from a supply and demand standpoint in the city in regard to how many gas stations, we need to meet the demand that we currently have today? How is that going to dissipate over the next 10 to 15 years as we move to no gasoline?

Assistant Community Development Director Stater stated we don't have an outside market study; we currently acknowledge what's happening in the industry. At the bottom section D, it stated abandoned or converted vehicle fueling stations, it talks about when they cease operation, requiring a removal of the gas pumps, the pump islands, and the freestanding canopies. We could add a statement that states converted to a usable alternative within that period of time.

Vice Chair Thomas stated another data point that we should consider is, right now if we have a gas vehicle, we can't fill our gas vehicle at home, we must go to a gas station or if I have my EV, I can use my own charging station at home.

Commissioner Sutorus stated there are Tesla fast chargers off Highland Avenue because people are commuting to the mountains, and that's the last stop before you go up the mountains. Also, everyone who drives an electric car knows that it degrades going up that hill very quickly more than going downhill.

Chair Hamerly opened the public hearing.

Commissioner Sutorus asked can we recommend in the future of forecast study?

Assistant Community Development Director Stater stated yes.

Chair Hamerly closed the public hearing.

A MOTION was made by Vice Chair Thomas, seconded by Commissioner Sutorus, to approve Resolution No. 2022-024 recommending the City Council approve Municipal Code Amendment 21-001:

1. Adopt a Notice of Exemption and instruct staff to file a Notice of Exemption with the County Clerk of the Board, and;

2. Introduce an Ordinance to amend Chapter 16.06 Definitions as instructed and amended, Chapter 16.44 Specific Development Standards and Tables 16.16.030.A Uses Permitted within Commercial Districts; and 16.24.030.A Uses Permitted within the Employment District of the Highland Municipal Code to prevent the over concentration of service stations and proactively address the state's efforts related to the zero emission vehicles. Motion carried, 4-1-1, with Commissioner Miller dissenting and Commissioner Amaya being absent.

Community Development Director Mainez asked Commissioner Miller to clarify why he voted no on this item.

Commissioner Miller stated I do not feel like the analysis that was provided was adequate to address the issues to make a determination. There was not adequate evidence to support the revisions that are being proposed.

RESOLUTION NO. 2022 – 024

A RESOLUTION OF THE PLANNING COMMISSION OF THE CITY OF HIGHLAND, CALIFORNIA RECOMMENDING THAT THE CITY COUNCIL ADOPT AN ENVIRONMENTAL EXEMPTION AND DIRECT STAFF TO FILE A NOTICE OF EXEMPTION WITH THE COUNTY CLERK OF THE BOARD AND ADOPT AN ORDINANCE AMENDING THE HIGHLAND MUNICIPAL CODE LAND USE AND DEVELOPMENT TITLE 16, CHAPTER 16.06.010 AMENDING DEFINITIONS FOR SERVICE STATIONS, CHAPTER 16.20.030.A UPDATING THE COMMERICAL DISTRICTS USES TABLE, CHAPTER 16.24.030.A UPDATING THE EMPLOYMENT DISTRICTS USES TABLE, CHAPTER, CHAPTER 16.44.200 UPDATING EXISTING SPECIFIC USE DEVELOPMENT STANDARDS FOR SERVICE STATIONS, CHAPTER 16.52.030.A UPDATING PARKING SPACE REQUIRMENTS AND CHAPTER 16.40.480 UPDATING VIDEO MONITORING SYSTEMS (MUNICIPAL CODE AMENDMENT MCA 21-001)

3. Conditional Use Permit (CUP 22-004) to permit the development of a 187,870 square foot warehouse and associated improvements, Design Review Application (DRA 22-006) for the Site Plan, Building Elevations, Grading Plan and Conceptual Landscape Plan, Tentative Parcel Map No. 20584 (TPM 22-005) to combine four (4) parcels into one (1), and Variance (VAR 22-002) allowing the warehouse building to exceed the maximum building height permitted in the Business Park Zone by five (5) feet. (APN No: 1192-491-01, 02, 49 & 50.

Associate Planner Syed presented the staff report.

Chair Hamerly stated I noticed one of the exhibits, the number of parcels had been modified. In the grading and site plan, there is a parcel designated as not a part, but in your exhibits here it is showing that it is being included. I'm assuming that that is the modification that you're referring to.

Associate Planner Syed stated when I spoke with the Architect Firm, they were able to modify the site plan and the landscape plan in time for the meeting. However, we have conditioned the project in the Conditional Use Permit (CUP) conditions to make sure that all plans match the modified site and landscape plan.

Chair Hamerly opened the public hearing.

Delshawn Mcclellon, Public Speaker stated I am a member of the Southwest Regional Council of Carpenters, which we represent 6,000 members in San Bernardino alone. We would love to work in the city. We are in favor of this project and I'm asking you to be in favor of it too. Our local members, your constituents, would love to work on this project for obvious reasons like being close to home, not having to spend two and four hours on the freeway every day and just the fact of coming home and being able to spend more quality time with their family.

Angel Esparza, Public Speaker stated I am a representative of the Southwest Regional Council of Carpenters. I'm also a 23-year member of the Carpenters Union. I've been able to flourish from somewhere I came from. I came from a dark place at one point in time in my life, making bad choices when all the doors were closed for me, Carpenters Union said come on in. The apprenticeship program that the Carpenters Union has, and it has in place a state accredited apprenticeship program, buildings like this, is what I started my career in 23 years ago. I've been able to buy two homes, many cars and support many kids not being supported by the system. We urge the Planning Commission today in approving this project. I believe that this project will benefit the environment and the local economy by utilizing local skilled and training workforce. The developer will be utilizing the local skilled training work and all workers will be covered under the proper protocols of Health and Safety Department while building this project.

Rolando Garcia, Public Speaker stated I am a local member of the community. I am a member of the Southwest Regional Council of Carpenters. I am a product of the apprenticeship, been a Union Carpenter since I was 17 years old. I urge you all to really review this and approve this CUP. I have a similar story to Angel. We went through the apprenticeship. We want your local community members to be working locally. We don't need other people coming from other communities coming to work here and take their money elsewhere. This would help save traffic, keeping the environment good in this area. I'm also the training coordinator for the local apprenticeship, and I have 1,500 apprentices from San Bernardino County a few 100 from City of San Bernardino, few hundred from the City of Highland. These are people that are thriving in your community.

Christina, Public Speaker stated it seems like me and my husband are the only ones that are here from the neighborhood of the Cypress Street. Some of our concerns are the devalue of our property with the warehouse being located right in front. Is what you said was that trucks would be coming out of Cypress Street as well?

Associate Planner Syed stated yes. Trucks would be able to only make a left turn out of the of the exit at Cypress Street and go towards the intersection.

Christina, Public Speaker stated where the driveway is on Cypress Street is where our house is located at. We will be highly affected by that area, and I am a little bit concerned of that driveway being on that street, especially since we have no traffic as of right now going down that street. We are concerned about is the noise, although there are gates that are going to be up, it's only going to limit the noise. As far as the forklifts, we are concerned with the hours of operation. I am sure when you guys go home from work, you guys want to be going to a place that's peace and quiet. We think that this may be a disturbance to our peace and quiet once we come home. A little back story is my neighbors, my mother-in-law which she wrote a letter and I believe it was on the final paperwork that you had online. I was able to go through this study and I obviously see that majority says it's low impact, but it's not 100% guaranteed that it's going to be a low impact to us neighbors. A lot of our neighbors on our street are longtime members. My husband's family lived in the house that we own now, it was his grandfather's house. We bought it because it held a lot of memories and we wanted to continue to build memories in that house. We just had a child. My neighbor again is my mother-in-law, and she's lived on that street for over 30 years. My other neighbor that was here before, at the last meeting has been there for quite some time. I just wanted to voice my opinion because since I'm the only one representing us on that street. So as far as I can think of, that's most of our concerns is that and the health risk. I understand that there's new regulations that are in place for the health risk and that lowers the risk of those health concerns as far as cancer and things like that. You can say that you're you only have 2% to have cancer, but you could still be that 2% that gets that cancer and from what I've been reading is warehouses that are near community houses now in days our air pollution isn't getting any better. Please take into consideration everything that's being built in our neighborhood because as you can see there are a lot of warehouses that are being constructed in our neighborhood.

Chair Hamerly stated it looks like there is sufficient depth in the truck bay that somebody has plenty of room to back into the truck bay and maneuver and have both an ingress and egress for all trucks on the Victoria Avenue point of access. The site plan was adequate for what I was mentioning because it shows the relationship, the depth of the truck bays, there's plenty of space in the truck area on the east side of the parcel. So, if the point of greatest impact to the surrounding community is on Cypress Street, would there be a way for all truck traffic comes out on the southwest corner as opposed to exiting onto Cypress Street? Then have the staff and guest parking that is in the northeast corner that would be entering and exiting through Cypress Street. If fire is requiring through access, we could condition that gate to be operable through a Knox Box or something similar, so that fire would be the only person or entity that would have through access, and then the vehicles would go to the north, the trucks would go to the west. This was the same concern that was expressed by the two individuals that attended our last meeting.

Assistant Community Development Director Stater stated that was a consideration that staff looked at, gave thought to, and speaking with the applicant, they felt that there was conflict with all trucks coming and going from the same point of access on Victoria Avenue. We did look at that but did not recommend it as a Condition of Approval (COA) just based on the conflicts coming from a large street like Victoria Avenue with only one point of semi-truck access.

Chair Hamerly stated ok, but the ultimate right of way on Victoria Avenue is designed to be a main arterial that's feeding into the airport. Cypress Street is not sized for truck traffic.

Assistant Community Development Director Stater stated it is not a truck route, however there is some additional right of way that will be granted to make that larger than a traditional residential street, like the project that you had reviewed at Cypress Street and 6th Street.

Vice Chair Thomas stated I think the largest issue is going to be when the trucks are coming out facing the residential community with lights facing directly into the houses.

Associate Planner Syed stated what is shown is passenger vehicle access, which is left in, left out, right in, and right out. For the trucks, it's just right in, left out onto Cypress Street.

Vice Chair Thomas stated even a left out, they're going to be coming out facing those houses.

Assistant Community Development Director Stater stated another consideration by staff was that the future improvement of Victoria Avenue and Cypress Street intersection will have a signal. That would be a safe movement for trucks to come out onto Cypress Street, westbound to Victoria Avenue and then be able to make movements fully improved signalized intersection.

Chair Hamerly stated the north access to the site with trucks is, even with the additional right of way a truck wanting to make that 90 degree turn to get in. Especially if they were eastbound and trying to make the right in, they're going to be swinging wide to make that turn and not take out the landscape, assuming that is a 36-foot driveway right there.

Commissioner Miller asked what will the hours of operation will be?

Assistant Community Development Director Stater stated at this point it is unrestricted with a proposal.

Chair Hamerly stated we need to put restrictions on the CUP, then when we have a known entity that says this is how we operate and hours of operation.

Associate Planner Syed stated we can specify hours of operation for now as part of the CUP and then in the future if the tenant wants to modify those it is up to Planning Commissioners discretion.

Kevin Rice, Applicant stated I appreciate all your considerations and time and effort it takes to review the project. As it relates to the project, I hear the considerations along but to your point about queuing, that's exactly we're trying to avoid by having multiple access points on Cypress Street and Victoria Avenue. Anytime you have residential, industrial, commercial, whatever that usage happens to be, but that doesn't mean that my rights would be subjugated because of my neighbors. As far as putting restrictions of hours of operation in the building, you don't see that in surrounding communities, so I'd be handcuffed relative to other folks. I'm not in favor at all of any kind of limitations on hours nor in access along Cypress Avenue.

Chair Hamerly stated what I was considering would be limiting truck access during certain hours of the day to eliminating potential conflicts with either morning or afternoon rush hour to try to mitigate some of the impacts on the neighbors.

Kevin Rice stated we're talking about a linear distance there of every 200 feet from future signalized intersection.

Assistant Community Development Director Stater stated the depth of the building is 391 feet between the landscape and the driveway.

Kevin Rice asked ok, so we're talking about restricting hours of operation for four driveways? Four people need to get out to work in the morning, maybe 8:00 AM, and so I should have hours restricted because of those four people?

Commissioner Miller stated one of my concern was people trying to go to sleep at night and being woken up by a semi-truck with lights blaring through their window.

Vice Chair Thomas stated I agree.

Kevin Rice stated as a general statement, the vast majority is warehouses, they're not 24 operations, they operate same business hours from 8 AM to 6:00 PM, it would be extremely typical for something like that to happen. I can't handcuff myself out of the gate, right, for obvious reasons.

Chair Hamerly asked in your parking study, what were the findings the truck traffic trip generation?

Sean Kilkenny, Dudek Consultant, stated we prepared several technical studies and worked with the city on the Initial Study and Mitigated Negative Declaration based on similar uses that we have worked on in the past. The expectation and reasonably foreseeable users of this size of warehouse and location, and the traffic study documented approximately 88 truck trips a day and 233 passenger vehicle trips a day. 313ish total trips is about 119 more than the existing conditions with the existing uses on site. The peak times which are the busiest times of day would be two-hour peak period, 7:00 AM - 9:00 AM and 4:00 PM - 6:00 PM and it's about 10 trucks per hour, so about one vehicle every 6 minutes.

Chair Hamerly asked is that averaging the San Bernardino and the Redlands warehouse that were surveyed?

Sean Kilkenny stated this was based on the IET manual, so it's based on an aggregation of hundreds of projects and there's specific generation rates for different classifications of land uses. So, for this type of warehouse land use. The parking study was based on similar size and uses in different jurisdictions that were alike from what we have seen from Patriot.

Chair Hamerly stated we will now go over the Design Review Application, starting with site plan.

Vice Chair Thomas stated I am still not comfortable with the access along Cypress Street. I understand the right to develop this for that use, it just seems like there's disregard to the

neighbors in that community. City of Highland is about being neighborly also, and I just didn't hear that from the Applicant. I am still concerned for the homeowners across the street. Has it always been zoned for this type of use?

Assistant Community Development Director Stater stated at least since 2006.

Community Development Director Mainez stated in 2006 is when we re-evaluated, and we keep it Business Park. There are policies and provisions to look at the interaction between the land use, you are always going to have that in the planning process. This is not the Applicants first project; I think he's just been through this a lot, and what you are hearing is the frustration of the process. So, what we've done is we looked at different scenarios and it is speculative, so it makes it more difficult.

Chair Hamerly stated given the right of way width of Cypress Street as it currently exists, I think an eastbound right in is going to be a problematic turn with a full semi-truck. I can see it being less of an issue having a westbound exit coming out on the Cypress Street because that's a reasonable turning radius coming out of that drive isle. If you can choose to exit onto Victoria Avenue right in, right out, but if you're going to exit onto Cypress Street, it's a left out only, and not have any entrance coming in because you also must consider not just the residents but the traffic that's going back and forth on Cypress Street. Has staff had any thought of making the wall a bit taller?

Community Development Director Mainez stated we did. There was a noise study and then we looked at the line of sight.

Assistant Community Development Director Stater stated we can go higher. The code allows the taller wall for various reasons, noise mitigation and aesthetics.

Associate Planner Syed stated we can go to 10 feet according to the HMC. There is 20-foot setback between the property line and where the wheel stop for the trailers would be.

Community Development Director Mainez stated that's good that the trailers wouldn't be parked right against the wall.

Chair Hamerly stated along the western facade and the northern façade there are multiple exit doors coming out of the warehouse and then there's a 5-foot-wide DG path connecting all those pads. That's cutting into the landscape area and it doesn't look like it's a path of egress since it is a DG path. Why we wouldn't run a DG path straight out to the sidewalk, since there's a sidewalk that wraps all the way around the building? That would give us more opportunity for landscaping to mask the taller structure. It would also reduce the amount of DG/concrete because it's a shorter path directly to the sidewalk and it is connecting all those pads out there.

Bridget Herdman, Herdman Architecture stated we proposed this as a solution for those access doors. There's a grade differential from that finished floor down to the sidewalk. If we did connections strictly out, we'd end up with a lot of stairs. We have done this on other developments to mitigate having so many stairs along the perimeter.

Chair Hamerly asked what is the grade differential between sidewalk and floor?

Bridgett Herdman stated two to one is the max. We have a 0.5% slope to the south.

Chair Hamerly stated moving onto the photometric plan. At the northeast corner, we are getting a 0.3 – 0.4 foot candle bleed. It goes past the centerline of Cypress Street. We'll probably have conditions about shielding the parking lot lights because that is where it is coming from. The northeast corners getting a bleed between the 0.1, but it maxes out on Cypress at 0.3 and 0.4. We need to catch that in plan check or condition it so the parking between the landscape and the shielding on the parking lot lighting that we've got the light infiltration.

Associate Planner Syed stated ok, I will take note of that.

Chair Hamerly stated moving onto the building elevations. What is the minimum and the maximum parapet height measured from the roof deck?

Associate Planner Syed stated 4 feet at maximum.

Chair Hamerly asked the metal panels that are called out as standing seam, what is the profile of that? Is that an actual clip standing seam or is that more of a ribbed product?

Bridgett Herdman stated it would be more of a ribbed product, like what we're trying to exhibit in the 3D view that we have on the front page.

Chair Hamerly asked would that be a concealed fastener system, or would that be exposed?

Bridgett Herdman stated concealed.

Chair Hamerly stated the four material combinations that are present on the elevations, is there a uniform parapet cap, or is it changing based on the material and on the height of the parapet?

Bridgett Herdman stated the parapet cap will be uniform where the parapet is aligned, so even though transitions from concrete, glazing to a metal panel it would be a continuous cap.

Chair Hamerly asked do we know what the plant pallet would be for the city street trees on Cypress Street and Victoria Avenue?

Assistant Community Development Director Stater stated I do not think have a designated street tree for Cypress Street. So, on page 100, condition #19, they both address the tree height and the other addresses the Cypress parkway.

Chair Hamerly stated condition #19 would address it to because we don't have anything designated for the street trees, so that was one opportunity. We need a little bit more height and mass along the street frontages.

Assistant Community Development Director Stater asked did you want a recommendation from our City Landscape Architect for a particular species?

City Landscape Architect Scott Rice stated we may need to supplement conditions #19 and/or #22. In in general, we have been taking the feedback from each of these

buildings. It's this is a multiple building from the same applicant. They've been very receptive to the plan check comments as they come through. I don't have a lot of concern that they won't be willing to carry on the conditions we have in place. Responding to the street trees, we are also providing shade for the sidewalk. There is a unique character for each of these buildings that Patriots proposing and so we end up getting the same plan on the landscape plans submitted.

Chair Hamerly asked what kind of trees are you coming up with in that process?

City Landscape Architect Scott Rice stated we are using the building facades.

Assistant Public Works Director Bennett stated I would like to make a correction on the Engineering conditions. On page 113, condition #17, I would like to remove 6th Street. On condition #28, the last sentence I would strike 6th Street and add Victoria Avenue.

Commissioner Miller stated I would like to restrict hours of operation from 10:00 PM to 6:00 AM.

Chair Hamerly stated ok, so from 10:00 PM to 6:00 AM would be restricted hours for truck delivery. The hours of operation are a CUP planning conditions.

Assistant Community Development Director Stater stated right now there is a modification to page 72, condition #5, striking long term. The addition of condition #14, the easterly and southerly cement masonry wall shall be 10 foot tall as measured from the adjacent on-site grade. If you were to add a condition, we could make that condition #15.

Chair Hamerly stated however condition #14, wouldn't that be DRA?

Assistant Community Development Director Stater stated on page 100, condition #24. Planning COA for design review will make an equivalent condition.

Chair Hamerly asked so condition #24 would have the wall height?

Assistant Community Development Director Stater stated correct. The conditions cross reference each other, but this way we won't miss it.

Chair Hamerly stated ok, now for condition #15, hours of operation. Do we want to specify that it would be hours of operation for pickup and delivery as opposed to operation of the warehouse because they could conceivably have 24-hour operation?

Commissioner Miller stated yes.

Community Development Director Mainez stated if you look at condition #3 on page 72 there is a step requiring the applicant to have a supplemental review by the planning department and they would have to submit documents identifying the use, a letter of intent and parking requirements. We can add hours of operation at that time.

Kevin Rice stated this condition where there's residential, I hear the local community concerned with this condition where you have these seems it's my right since 2006. You never see usage restrictions put in place at this time. I've never had it happen to me.

So, it's extremely unique and like I said, in all likelihood it's not the case, but to hamstring me, we'd be the only building that would have a usage restriction, speculatively, that I'm aware of at this point in this context.

Vice Chair Thomas asked what about your neighbors, how do you feel about their impacts?

Kevin Rice stated I'll tell you about myself, I spent a dozen years as an officer in the Marines in Iraq and Afghanistan. So, she has the right to come and voice her opinion. We talk about things like this project, there are zoning and building codes. They're set to a standard, so if I color inside the box, I have done what I'm supposed to do. We have gone through probably nine months of iteration with staff. I'm not breaking the rules. I'm painting inside the box, and I have someone arbitrarily saying I don't like the way you paint inside the box. I mean the cost and time we go through to make sure we've mitigated this, this isn't some arbitrary standard where I think this looks good. This is the box that I'm painting into that are not just opining, but experts, their professional credentials higher than any of us in that specific field, have laid down and said this is the standard California we adhere to. So, I get upset when I come in here, I adhered the standards, and I get told arbitrarily, no, you can't. I have rights too and I fought for my rights, I fought for your rights.

Vice Chair Thomas stated that coming through loud and clear in all that you presented tonight. I understand what you're saying, it just does not sit well with me, but I believe everything that you just said about you having your rights too, it's just a complete disregard for the impact of your neighbors and that's not being neighborly. I don't know how else to express that, but it doesn't matter because you're within your rights, I understand.

Chair Hamerly closed the public hearing.

Community Development Director Mainez stated the use is not exactly by right if you look at the tables. It is listed as a use, and we require a CUP.

Assistant Community Development Director Stater stated what if we restricted a certain window of restriction not just completely prohibited trucks but required all the truck traffic to go only from Victoria during those hours from 10 PM to 6 AM. Just something to think about.

Commissioner Miller stated maybe to restrict the usage of Cypress Street from 6:00 PM to 6:00 AM to keep the semi-truck headlights from going into those homes.

Assistant Community Development Director Stater stated I wasn't recommending particular hour, but instead of just prohibiting altogether, restricting traffic to Victoria Avenue during those hours.

Community Development Director Mainez stated I sense we are going to have to come back in the future to restrict the hours of operation.

Assistant Community Development Director Stater stated condition #15 stated prior to the issuance of a business license the perspective tenant's business operations shall be reviewed by the Planning Commission to determine hours for access of truck traffic on Cypress Street.

A MOTION was made by Vice Chair Thomas, seconded by Commissioner Sutorus, to:

1. Adopt Resolution No. 2022 - 025 approving Conditional Use Permit CUP-22-002 for the development of a 187,870 square foot warehouse and associated improvements, subject to the Conditions of Approval, and the Findings of Fact as modified;

2. Adopt Resolution No. 2022-026 Approving Design Review Application (DRA 22-006) for the project's Site Plan, Building Elevations, Grading Plan and Conceptual Landscape Plan, subject to the Conditions of Approval, and the Findings of Fact as modified;

3. Adopt Resolution No. 2022-027 approving Tentative Parcel Map (TPM 22-005) to combine six (6) parcels into one (1), subject to the Conditions of Approval, and the Findings of Fact as modified;

4. Adopt Resolution No. 2022 – 028 approving Variance (VAR 22-002) to allow the warehouse building to exceed the maximum building height permitted in the Business Park Zone by 5 feet; and

5. Adopt Resolution No. 2022-029 certifying the associated Mitigated Negative Declaration (ENV 22-004), and direct staff to file a Notice of Determination with the County Clerk of the Board. Motion carried, 4-1, with Commissioner Amaya being absent.

RESOLUTION NO. 2022-025

A RESOLUTION OF THE PLANNING COMMISSION OF THE CITY OF HIGHLAND, CALIFORNIA, ADOPTING CONDITIONAL USE PERMIT (CUP 22-004) FOR THE DEVELOPMENT OF A 305,617 SQUARE FOOT WAREHOUSE AND ASSOCIATED IMPROVEMENTS AT THE NORTHWEST CORNER OF 6TH STREET AND VICTORIA AVENUE. RELATED ENTITLEMENTS INCLUDE DESIGN REVIEW APPLICATION DRA-21-005, VARIANCE VAR-21-001 AND TENTATIVE PARCEL MAP 20384/TPM-21-002.

RESOLUTION NO. 2022-026

A RESOLUTION OF THE PLANNING COMMISSION OF THE CITY OF HIGHLAND, CALIFORNIA, APPROVING DESIGN REVIEW APPLICATION (DRA 22-006) FOR THE SITE PLAN, BUILDING ELEVATIONS, ROUGH GRADING PLAN AND CONCEPTUAL LANDSCAPE PLAN PERTINING TO THE DEVELOPMENT OF A 187,870 SQUARE FOOT WAREHOUSE, LOCATED AT THE SOUTHEAST CORNER OF VICTORIA AVENUE AND CYPRESS STREET. RELATED ENTITLEMENTS INCLUDE CONDITIONAL USE PERMIT (CUP 22-004), VARIANCE (VAR 22-002), AND TENTATIVE PARCEL MAP NO. 20584 (TPM 22-005).

RESOLUTION NO. 2022 -027

A RESOLUTION OF THE PLANNING COMMISSION OF THE CITY OF HIGHLAND, CALIFORNIA, APPROVING TENTATIVE PARCEL MAP NO. 20584 (TPM 22-005) TO MERGE SIX (6) EXISTING PARCELS INTO ONE (1) PARCEL IN ASSOCIATION WITH CONDITIONAL USE PERMIT (CUP 22-004), DESIGN REVIEW APPLICATION (DRA 22-006), VARIANCE (VAR 22-002) TO DEVELOP A 187,870 SQUARE FOOT INDUSTRIAL WAREHOUSE, LOCATED AT THE SOUTHEAST CORNER OF VICTORIA AVENUE AND CYPRESS STREET.

RESOLUTION NO. 2022-028

A RESOLUTION OF THE PLANNING COMMISSION OF THE CITY OF HIGHLAND, CALIFORNIA, APPROVING VARIANCE (VAR 22-002) TO ALLOW AN INCREASE IN THE MAXIMUM BUILDING HEIGHT IN THE BUSINESS PARK ZONE FROM 35 FEET TO 40 FEET IN ASSOCIATION WITH CONDITIONAL USE PERMIT (CUP 22-004), DESIGN REVIEW APPLICATION (DRA 22-006), AND TENTATIVE PARCEL MAP NO. 20584 (TPM 22-005) TO CONSTRUCT A 187,870 SQUARE FOOT WAREHOUSE, LOCATED AT THE SOUTHEAST CORNER OF VICTORIA AVENUE AND CYPRESS STREET.

RESOLUTION NO. 2022-029

A RESOLUTION OF THE PLANNING COMMISSION OF THE CITY OF HIGHLAND, CALIFORNIA, ADOPTING A MITIGATED NEGATIVE DECLARATION AND MITIGATION MONITORING AND REPORTING PROGRAM (ENV 22-004) FOR THE DEVELOPMENT OF A 187,870 SQUARE FOOT WAREHOUSE AT THE SOUTHEAST CORNER OF VICTORIA AVENUE AND CYPRESS STREET. RELATED ENTITLEMENTS INCLUDE CONDITIONAL USE PERMIT (CUP 22-004), DESIGN REVIEW APPLICATION (DRA 22-006), TENTATIVE PARCEL MAP NO. 20584 (TPM 22-005), AND VARIANCE (VAR 22-002).

ANNOUNCEMENTS

The next Planning Commission meeting is scheduled September 20, 2022.

ADJOURN

There being no further business, Chair Hamerly declared the meeting adjourned at 8:58 p.m.

Submitted by:

Camille Goritz, Administrative Assistant III
Community Development Department

Approved by:

Randall Hamerly, Chair
Planning Commission

STAFF REPORT

TO THE PLANNING COMMISSION

DATE: September 20, 2022

FROM: Lawrence A. Mainez, Community Development Director

REVIEWED BY: Kim Stater, Assistant Community Development Director

PREPARED BY: Ash Syed, Associate Planner

SUBJECT: A One-Year Extension of Time (EXT 22-002) for Conditional Use Permit (CUP 17-003) and Design Review Application (DRA 18-005) to accommodate a 33,775 square foot expansion of an existing self-storage facility.

LOCATION: 28031 and 28099 Greenspot Road
Assessor's Parcel Number(s): 1201-341-14.

OWNERS: Aysar Helo and Universal Self Storage Highland LP

RECOMMENDATION: Staff recommends the Planning Commission Adopt Resolution No. 2022-___ approving a one (1) year Extension of Time (EXT-22-002), subject to the Conditions of Approval and Findings of Fact.

PUBLIC NOTICE: On August 31, 2022, a Public Hearing Notice was posted on the City's website, and mailed to the property owners within 300 feet of the project site and to parties requesting notice. The Notice was published in the San Bernardino Sun newspaper on September 9, 2022. The Planning Commission Agenda was posted at the City's three designated posting locations on September 15, 2022.

DESCRIPTION OF THE SITE: The project site consists of approximately four (4) acres located on the south side of Greenspot Road, mid block between Boulder Avenue and the 210 Freeway (Attachment 1 – Area Map). A vacant parcel with developments on each side, the site is adjacent to the Esporta Fitness/In-N-Out shopping center to the west and the existing Universal Self Storage facility on the east.

Approved _____	Motion _____	Second _____	Agenda Item No. 2
Denied _____	Ayes _____		
	Noes _____		File No. _____
Continue _____	Abstain _____		
	Absent _____		

Recording Secretary

Community Development Director

The site's General Plan and Zoning designations are Planned Development (PD). Proposed projects within a Planned Development (PD) zone are subject to a Conditional Use Permit, Specific Plan or Planned Development Document establishing site specific development standards. Further, the overall intensity must be consistent and compatible with the adjacent existing land uses.

BACKGROUND:

Approval of Self Storage Facility in 2000

The original and current self storage facility was approved by the Planning Commission through Conditional Use Permit (CUP 00-004) with the adoption of Resolution No. 2000-07 on June 6, 2000. The approval involved a two (2) phase development, the first of which included a 95,600 square foot self-storage facility with a two (2) story manager's office on approximately 5.04 acres. The construction of this phase was completed in 2003 and has been in continuous operation since.

The zoning at the time of the original approval was Planned Development (PD) with an underlying General Plan land use designation of Business Park (BP). The intent was to encourage a combination of commercial and office type uses. The Applicants incorporated a commercial/office component along Greenspot to act as a buffer to the storage facility. The second phase of the project has yet to be constructed and the 1.48 acre frontage remains vacant.

Approval of the Self Storage Facility Expansion in 2018

In 2017, the Applicant submitted an Application to expand Universal Self Storage onto the vacant parcel to the west. The proposal included three (3) land use entitlements; a Conditional Use Permit, Design Review Application, Tentative Parcel Map and an Environmental Determination. The following is a summary of the entitlement Applications:

Conditional Use Permit (CUP 17-003)

CUP Planned Development Document

A Conditional Use Permit was approved on August 21, 2018, formally adopting the project's Planned Development Document (Attachment 2 – PC Resolution No. 2018-011). The Planned Development Document designates the permissible land use and development standards. The land use regulations adopted for the site are consistent with the City's established General Commercial (CG) standards.

CUP Overall Site Plan

The existing Universal Storage comprises of 95,600 square feet of storage space. The approved expansion includes four (4) new buildings, A-D, as depicted on the Overall Site Plan, page A-1.1. Access to the new storage units would be internal

from the existing drive aisles with access from Greenspot Road near the manager's office. The net area of new buildings is 33,775 square feet on approximately 1.4 acres. The proposed expansion creates 156 new storage units varying in size from 5x10' to 10x30'.

The proposed buildings are configured in a rectangular pattern with units in the middle, accessible from drive aisles measuring between 25' and 30' in width. Vehicular circulation will be one-way, in a counterclockwise route. One (1) parking space is provided adjacent to each unit for every 200 square feet of floor area. A minimum of four (4) parking spaces are provided adjacent to the existing office. An underground water quality retention feature is located beneath the westerly drive aisle.

The storage units will be 9'8" tall. The exterior wall of the units will serve as the exterior perimeter, thus, a separate boundary wall was not required. A ten (10) foot landscape planter is proposed to buffer the building on the western side. A directive from the Planning Commission during the August 21, 2018 meeting required the addition of a landscape buffer along the southerly boundary (Attachment 3 – PC Minutes from August 21, 2018).

Design Review Application (DRA 18-005)

Building Elevations

The self-storage expansion is proposed to resemble the existing Universal Self Storage with regard to materials, height and size. The buildings will be constructed of concrete block with metal roll up doors for access to each storage unit. Each building will feature a flat roof with exposed metal flashing. The exposed exterior block, visible from adjacent properties, will be split face with fluted columns. Lastly, the roll up doors, flashing and all other metal features will be painted a dark accent red color (Attachment 4 – Project Plans).

Plans of the westerly and southerly exposures are plain and devoid of interest. The Planning Commission directed that vertical fluted columns be added at 40 feet on center.

Conceptual Landscape Plan

As mentioned, the western and southern sides of the self-storage expansion will feature landscape buffers ten (10) feet wide. The westerly planter will be visible from the drive aisle next to the Esporta Fitness club. It will include a mix of Coral Beauty Cotoneaster and Santa Cruz Firethorn groundcover with Cajeput, California Sycamore and Tree Mallow trees. The groundcover grows between 18 and 36 inches tall. The trees have a variety of canopy types and grow between 6 and 80 feet tall. The southerly planter is adjacent to the Flood Control Channel. It will be planted with Santa Cruz Firethorn groundcover and Cajeput trees.

Comments from the City's Landscape Architect were presented during the August 21, 2018 Planning Commission meeting to address the addition of a landscape buffer at the northern building elevation, and replacing Pyracantha along the south side with cobbles and boulders from the site.

The Conceptual Landscape Plan is compliant with the City's water efficient landscape requirements, per Section 16.40.390 of the Highland Municipal Code. as it applies to Landscape Design and Plant Requirements; a licensed landscape architect prepared the project plans, the plant selection and grouping have similar water needs; the plants were selected appropriately based on their adaptability to the conditions of the site; no new turf is proposed; and invasive species were avoided to ensuring that the environmentally sensitive areas in the open space to the south will not be negatively affected.

Tentative Parcel Map No. 15814 (TPM 18-004) (Recorded)

Two existing adjacent parcels comprise the boundaries of Tentative Parcel Map No. 15814 (TPM 18-004). The larger of the two, and more easterly, contains the existing Universal Self Storage and its second phase. This parcel is owned by Universal Self Storage Highland LP. The second parcel, owned by Aysar Helo, is approximately two (2) acres and is a narrow parcel oriented north-south between the existing self-storage facility and the Esporta Fitness/In-N-Out shopping center.

As of July 2022, Tentative Parcel Map No. 15814 (TPM 18-004) was recorded, subdividing the two (2) parcels to create four (4) new ones parcels under the existing Conditional Use Permit (CUP 17-003) and Tentative Parcel Map No. 15814 (TPM 18-004) to better facilitate the future development. Thus, the map does not need to be extended.

ANALYSIS: The Conditional Use Permit (CUP 17-003) and Design Review Application (DRA 18-005) entitlement Applications were compliant with City's General Plan goals to develop the land with upgraded Planned Development criteria at the time of their respective approvals in August of 2018. These will also retain the frontage parcels for future development in compliance with the Golden Triangle Community Policy Area Plan. The proposed architecture, grading, circulation and conceptual landscape plan continue to comply with the City's standards. The overall intensity of the project is consistent and compatible with adjacent existing and planned land uses. The storage use expansion also complements the mixed-use development plan for the Golden Triangle Policy Area that will benefit the nearby retail and residential users.

The Highland Municipal Code, as well as the project conditions of approval, allows for an initial approval of three (3) years. The original expiration date was August 21, 2021 for each of the entitlements. The code allows these to be extended a total of three (3) years, in one (1) year increments. The approval of the first Extension of Time (EXT 21-002) Application extended the expiration date of the entitlements to August 21, 2022.

In July of 2022, the Applicants submitted a second Extension of Time (EXT 22-002) Application to push the expiration date of the entitlements to August 21, 2023, at which the Applicants would be eligible for a third and final extension should construction have not yet commenced.

There are no amendments to the project proposed by the Applicant and no change to the project's surroundings or to City policy. Subsequently, Staff does not recommend any amendments to the project Conditions of Approval. Thus, Staff recommends approval of the Extension of Time (EXT 22-002) Application, subject to the original Conditions of Approval.

ATTACHMENTS:

1. Area Map
2. PC Resolution No. 2018-011
3. PC Minutes from August 21, 2018
4. Project Plans
5. PC Resolution No. 2022-___ approving Extension of Time (EXT 22-002)

Attachment 1:

Area Map

N
(N) BUILDING-B
(N) BUILDING-C
(N) BUILDING-D
(N) BUILDING-A
NOT A PART
Greenspot Rd
Greenspot Rd

Attachment 2:

PC Resolution No. 2018-011

RESOLUTION NO. 2018 - 011

A RESOLUTION OF THE PLANNING COMMISSION OF THE CITY OF HIGHLAND, CALIFORNIA, APPROVING CONDITIONAL USE PERMIT APPLICATION NO. CUP-17-003, DESIGN REVIEW APPLICATION NO. DRA-18-005, AND TENTATIVE PARCEL MAP NO. 15814 TO PERMIT THE EXPANSION OF AN EXISTING SELF STORAGE BUSINESS AND TENATIVE PARCEL MAP LOCATED AT 28031 AND 28099 GREENSPOT ROAD, HIGHLAND (APN 1201-341-14 & 15).

APPLICANT: AYSAR HELO AND UNIVERSAL SELF STORAGE HIGHLAND LP

A. RECITALS

1. The Applicant filed applications with the City of Highland requesting approval of Conditional Use Permit CUP-17-003, Design Review Application DRA-18-005, and Tentative Parcel Map No. 15814 to expand an existing self-storage facility located on approximately 4 acres on the south of Greenspot Road, approximately 2000 feet east of the 210 Freeway within the Planned Development General Plan land use designation and Zone.

2. Pursuant to the California Environmental Quality Act, the project is exempt from the California Environmental Quality Act (CEQA), per Class 32, Section 15332. In-Fill Development Projects.

3. The subject site is located at 28031 and 28099 Greenspot Road in Highland, CA. Assessor Parcel Numbers: 1201-341-14 & 15.

4. On August 21, 2018, the Planning Commission conducted a public hearing for the project at Highland City Hall Council Chambers in Highland, California, at 6:00 p.m., and concluded the hearing on that date.

5. All legal prerequisites to the adoption of this Resolution have occurred.

B. RESOLUTION

NOW THEREFORE, it is hereby found, determined and resolved by the Planning Commission of the City of Highland as follows:

Section 1. The Planning Commission finds that all of the facts set forth in the Recitals, Part "A" of this Resolution, are true and correct.

Section 2. Pursuant to Title 14, California Code of Regulations, Section 15074, the City of Highland Planning Commission hereby certifies that the Notice of Exemption prepared for the project has been completed in compliance with the California Environmental Quality Act (CEQA) and that the Planning Commission has reviewed and considered the information contained in the document, and the comments received during the public review process, prior to approving the project.

Section 3. Based upon substantial evidence presented to the Planning Commission during the August 21, 2018, Public Hearing, including public testimony and written and oral Staff Reports, the Planning Commission finds as follows:

a. All necessary public meetings and opportunities for public testimony and comment have been conducted in compliance with State Law and the Municipal Code of the City of Highland.

Section 4. Conditional Use Permit Findings of Fact (CUP-17-003):

a. The proposed use is permitted within the subject district pursuant to the provisions of this section, and complies with all of the applicable provisions of this title; and is consistent with the goals, policies, and objectives of the Highland General Plan, and the applicable development policies and standards of the city.

Response: The project is located within the Planned Development (PD) General Plan land use designation. Development within a PD is required to be processed through the use of a conditional use permit, specific plan or planned unit development. The applicant has provided a PD document with proposed uses and development standards consistent with the City's General Commercial standards. The PD document, CUP and DRA plans constitute a complete development plan consistent with the General Plan policies and guidelines.

The overall intensity of PD projects must be consistent with and compatible with adjacent existing and planned land uses. In this scenario, the plan will further expand an existing commercial use and be surrounded on each side by compatible commercial uses and shopping centers with mixed retail and service uses located in the Highland Crossings, Crossroads and Greenspot Village Specific Plan.

The site is also within the General Plan's Golden Triangle Community Policy Area meant to "facilitate a master-planned, mixed-use type of development large enough to cater to residential, retail and office uses within a well-coordinated group of individually designed projects. Residential and employment-generating land uses would be interconnected with a system of landscaped trails, pedestrian pathways and local streets."

The proposal for a 33,775 square foot expansion of an existing self-storage business. Self-storage is a commercial property use. Commercial business is an integral part of a master planned, mixed use environment as described in the General Plan as the vision for the Golden Triangle. The existing business has a very high occupancy rate and the business is thriving at this location. The use provides the community with a much needed service. The materials and finishes of the expansion will match the existing. It will be equivalent in size, massing, circulation and architectural elevations. The project plans show the appropriate water quality, landscape and design features consistent with the development policies of the City.

b. The proposed use would not impair the integrity and character of the district in which it is to be established or located

Response: The site is located within the Planned Development (PD) Zone District designation. The Applicant is proposing to comply with the City's General Commercial (CG) District as it relates to development standards. The General Commercial Zone encourages commercial uses including self-storage with approval of a Design Review Application. General Commercial uses are in keeping with the vision of the Golden Triangle and specifically along the south side of Greenspot Road between the 210 Freeway and Boulder Avenue. The project's Site Plan, Conceptual Landscape Plan, Building Elevations and Conceptual Grading Plan meet the District's requirements for commercial uses described in Highland Municipal Code Chapter 16.20 Commercial Districts, as well as those specified in Section 16.44.190 Self-storage warehouses.

The City has reviewed the application and conditions of approval have been included to ensure compliance with applicable development policies and standards of the city. The project will benefit the district in which it is located.

c. The site is suitable for the type and intensity of use or development which is proposed.

Response: The site is situated on a major thoroughfare with commercial development on each side that is of similar type, design and intensity. It is generally flat with no known development impediments. The types of uses proposed are permitted within the PD and GC Districts. It is in close proximity to the 210 Freeway and is an integral part of the City's future commercial development potential that is well documented and anticipated. It can provide the necessary site amenities and design required by the City's policies and guidelines.

d. There are adequate provisions for water, sanitation, and public utilities and services to ensure public health and safety.

Response: Existing water, public utilities and services for the Project are available to serve the proposed use and ensure public health and safety.

e. The proposed use will not be detrimental to the public health, safety, or welfare, or materially injurious to properties and improvements in the vicinity.

Response: The proposed commercial uses will be in compliance with Municipal, Fire & Building codes. Each public safety and utility provider has been given an opportunity to comment and condition the project. The necessary permits will be required prior to and during construction. The project will not be detrimental to the public health, safety or welfare, or materially injurious to properties and improvement in the vicinity.

f. The proposed use would not result in a significant effect on the environment.

Response: The proposed Project is not expected to have a significant impact on the environment. It is exempt from the California Environmental Quality Act (CEQA), per Class 32, Section 15332. In-Fill Development Projects. because (a) The project is consistent with the applicable general plan designation and all applicable general plan policies as well as applicable zoning designations and regulations; (b) The proposed development occurs within the city limits on a project site of no more than five acres substantially surrounded by urban uses; (c) The project site has no value as habitat for endangered, rare of threatened species; and (d) Approval of the project would not result in any significant effects relating to traffic noise, air quality, or water quality.

Section 5. Findings of Fact for Design Review DRA-18-005

a. That the proposed project is consistent with the general plan or specific plan.

Response: The project is located within the Planned Development (PD) General Plan land use designation and the General Plan's Golden Triangle Community Policy Area meant to accommodate a mixed-use master planned development interconnected to each other and surrounding community.

The proposed project's PD document and site development plans have been reviewed and are in keeping with the City's commercial development standards. The proposal to expand a self-storage facility is an appropriate use described in the General Plan as part of the vision for the Golden Triangle as a commercial business. The existing business and its proposed expansion will provide the community with a needed service. The expansion is well designed with qualities and features to match the existing business. The project's development plans are consistent with the development policies of the City.

b. That the proposed use is in accordance with the objectives of Title 16, Land Use and Development of the City of Highland Municipal Code, and the purposes of the land use district in which the site is located.

Response: The site is located within the Planned Development (PD) Zone District designation. The Applicant is proposing to comply with the City's General Commercial (CG) District as it relates to development standards. The General Commercial Zone encourages commercial uses including those proposed. Approval of a Conditional Use Permit and Design Review Application are required. General Commercial uses are in keeping with the vision of the Golden Triangle and specifically along the south side of Greenspot Road between the 210 Freeway and Boulder Avenue. The project's Site Plan, Conceptual Landscape Plan, Building Elevations and Conceptual Grading Plan meet the District's requirements for commercial uses described in Highland Municipal Code Chapter 16.20 Commercial Districts, as well as those specified in Section 16.44.190 Self-storage warehouses.

The site plan, preliminary grading plan, typical building elevations, conceptual landscape, and color and material sampled have been reviewed and conditioned to be in compliance with the objectives of Title 16, Land Use and Development of the City of Highland Municipal Code, and the purposes of the PD and GC Land Use Districts in which the site is located.

c. That the proposed use is in compliance with city design and landscape standards and criteria.

Response: The proposed landscape plans have been preliminarily reviewed by the City of Highlands landscape architect who recommended two modifications incorporated as Planning Division Conditions of Approval. The plans are in compliance with the City's ordinances and regulations. Prior to installation of any landscape improvements associated with the Project, the Applicant will be required to submit for landscape plan check.

d. That the proposed use, together with the conditions applicable thereto, will not be detrimental to the public health, safety, or welfare or will not be materially injurious to properties or improvements in the vicinity of the site.

Response: The proposed Use has been reviewed by the City of Highland and has been found that it will not be detrimental to the public health, safety, welfare, or materially injurious to properties and improvements in the vicinity.

Section 6. Findings of Fact for Tentative Parcel Map 15814

a. Tentative Parcel Map No. 15814 complies with the provisions of Chapter 16.68 Land Divisions of the Highland Municipal Code.

b. Tentative Parcel Map No. 15814 complies with the Subdivision Map Act.

c. The proposed map is consistent with the Highland General Plan.

d. The site is physically suitable for the type of development.

e. The site is physically suitable for the proposed density of development.

f. The design of the subdivision or type of improvements is not likely to cause serious public health problems.

g. The design of the subdivision or the type of improvements will not conflict with easements, acquired by the public at large, for access through or use of, property within the proposed subdivision.

h. The design and location of each lot in the subdivision as a whole are consistent with any applicable regulations adopted by the State Board of Forestry and Fire Protection.

i. Structural fire protection and suppression services will be available for the subdivision through any of the following entities: A county, city, special district, political subdivision of the state, or other entity organized solely to provide fire protection services that is monitored and funded by a county or public entity, or the Department of Forestry and Fire Protection by contract entered into pursuant to Section 4133, 4142 or 4144 of the Public Resources Code.

j. To the extent practicable, ingress and egress for the subdivision meets the regulations regarding road standards for fire equipment access adopted pursuant to Section 4290 of the Public Resources Code and any applicable local ordinance.

Section 7. Based on the Findings and Conclusions set forth above, the Planning Commission directs staff to file a Notice of Exemption (ENV-18-004) and approves Conditional Use Permit (CUP-17-003), Design Review Application (DRA-18-005) and Tentative Parcel Map No. 15814 for the expansion of a self-storage business and subdivision of two parcels into four. All improvements will be completed subject to the Conditions of Approval attached hereto and incorporated by reference.

C. ADOPTION OF RESOLUTION.

The City Clerk shall certify to the adoption of this Resolution and shall cause the same to be published or posted in the manner prescribed by law.

PASSED, APPROVED AND ADOPTED this 21st day of August, 2018.

ATTEST:

Randall Hamerly, Chairman
Planning Commission

Lawrence A. Mainez
Community Development Director

Redlands Consultants & Associates

Engineering, Planning, Surveying, Construction Management

Kim Stater
Planning Department
City of Highland

Re CUP-17-003

Below is the Planned Development Document.

A. Introduction:
   i. Location:
   THE EAST NINE (9) ACRES OF THAT PORTION OF THE SOUTHEAST QUARTER OF THE SOUTHEAST QUARTER OF SECTION 4, TOWNSHIP 1 SOUTH, RANGE 3 WEST, SAN BERNARDINO BASE AND MERIDIAN, ACCORDING TO GOVERNMENT SURVEY, LYING SOUTH OF THE COUNTY ROAD, AS SAID ROAD EXISTED PRIOR TO OCTOBER 23, 1915.
   ii. Purpose:
   This Planned Development and CUP is presented to the City of Highland to allow for a better development of a long and narrow parcel of land along Greenspot Rd.
   iii Entitlements:
   Proposed development is a Parcel Map to add four lots and a remainder for the existing self-storage facility The added parcels will have the following proposed businesses:
   - Addition to the self-storage facility.
   - Future commercial developments.

   iv. Objectives:
   Design, Subdivide and build the vacant land included in the parcels to:
   - Circulate well together and with the surrounding developments.
   - Be consistent with the immediate and surrounding areas.
   - Be consistent with the General Plan Commercial Centers Goal and policies for City of Highland

B. Land Use and Development Standards:
   i. Land Use
   This PD will have the same Land Use regulations as the existing CG in the City of Highland Municipal Code chapter 16.20.030, and table 16.20.030.A
   ii. Development Standards:
      a) General Requirements. Table 'A' describes the minimum site development standards applicable to proposed and existing development in all this specific PD. All development shall conform to the standards established in this section.
         - A development, for purposes of meeting the minimum site size standards, consist of a combination of parcels whose total net acreage meets the minimum site size criteria; provided, that the design for the entire site is integrated and unified.
         - A development, for purposes of meeting the minimum Floor Area Ratio standards, consist of a combination of parcels whose total Floor Area Ratio meets the Maximum Floor Area Ratio criteria; provided, that the design for the entire site is integrated and unified

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Email rca k@live com

- In addition to the minimum standards established in Table 'I', developments within this PD shall also comply with the special requirements contained in subsection 'b)' of this section, Chapter 16.48 Highland Municipal Code, Performance Standards, other applicable city ordinances, and the city general plan.

TABLE 'I'

Requirements	
Minimum Parcel Area	1 Acre
Minimum Parcel Width	130 feet
Minimum Parcel Depth	175 feet
Front Building Set-Back (As measured from ultimate Right-of-Way)	20 feet
Side Street Building Set-Back (As measured from ultimate Right-of-Way)	20 feet
Side Set-Back when fronting commercial development/zone	0 feet
Side Set-Back when fronting residential development/zone	10 feet
Rear Set-Back when fronting commercial development/zone	5 feet
Rear Set-Back when fronting residential development/zone	20 feet
Maximum Floor Area Ratio	0.50
Maximum Building Height	60 feet

b) Special Requirements:

i) Wherever a single-story commercial use in this PD zone abuts a lot in any residential zone district, a landscaped setback, equal to the commercial building height, shall be required, to a maximum of 30 feet.

ii) Where a commercial use abuts any residential district, no two-story building shall be constructed within 40 feet of said residential district without issuance of a conditional use permit.

iii) Where off-street parking areas in this PD district is situated so as to be visible from any street, screening in the form of a three-foot high landscaped earthen berm or decorative wall three feet in height shall be erected between the required landscape area and the parking area.

iv) In this PD district, the required front and street side building setback areas shall be landscaped, except where necessary walks and drives are provided. Where off-street parking is located within such building setback areas, a minimum landscaped area 10 feet in depth shall be provided between the property-line and said off-street parking area

v) Except as otherwise permitted, a street side building setback area in this district shall be used only for landscaping, pedestrian walkways, trash enclosures, driveways, or off-street parking.

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vi) Except as otherwise permitted, required rear and interior side building setback areas in this district shall be used only for landscaping, pedestrian walkways, driveways, off-street parking or loading, recreational activities or facilities, and similar accessory activities
vii) No external security bars shall be permitted on structures in this district.
viii) Parking for each use shall comply with the provisions of Chapter 16.52 Highland Municipal Code.

iii. Circulation:
- Reciprocal access easements, reciprocal drainage easements and reciprocal parking easements shall be provided on all parcels fronting Greenspot Rd. and to the developments to the west of this district.
- There shall be ADA path of travel to allow travel within all the parcels of this PD district

v. Infrastructure:
- All pertinent infrastructure to the parcels included in this PD are already built. (water, sewer, storm drain and street).

vi. Public Services:

C. General Plan Consistency:
- This Planned Development (PD) shall be consistent with City of Highland General Plan.

D. Exhibits:
- Greenspot Streetscape
- Birds Eye View of proposed development.

CITY OF HIGHLAND
PLANNING DIVISION CONDITIONS OF APPROVAL

Date:	August 21, 2018
Owners:	Aysar Helo and Universal Self Storage Highland LP
Rep.:	Khaled S. Farah, Redlands Consultants & Associates
File/Index:	Conditional Use Permit CUP 17-003, Design Review Application DRA-18-005, Tentative Parcel Map 15814, and Environmental Determination ENV 18-004
Proposal:	Expansion of an existing self-storage facility (Universal Self Storage), and a Tentative Parcel Map to subdivide two (2) parcels into four (4). Planned development document and site development plans including site plan, building elevations, conceptual landscaping, preliminary grading and related development considerations.
Location:	28031 and 28099 Greenspot Road, Highland Assessor's Parcel Numbers: 1201-341-14 and 15.

PLANNING CONDITIONS OF APPROVAL

Note: These Conditions represent Planning Division Conditions only and are meant to be only one part of the Project's overall Conditions that include Engineering, Fire Department and Building and Safety Conditions of Approval. All required on-site and off-site improvements shall be completed and approved prior to final inspection for occupancy, except where noted.

This Conditional Use Permit, Design Review Application and Tentative Parcel Map are conditionally approved, subject to compliance with the requirements as specified below The Conditions listed below are continuing Conditions; failure of the Applicant and/or operator to comply with any/all Conditions at any time shall result in initiating revocation of the subject permit.

1. This Conditional Use Permit, Design Review Application and Tentative Parcel Map shall become null and void:

    a. Unless all Conditions have been complied with and the occupancy or use of the land or existing structures authorized by such Conditional Use Permit has taken place within thirty-six (36) months after the approval of said Conditional Use Permit.

    b. Where circumstances beyond the control of the Applicant cause delays which do not permit compliance with the time limitation established in this Section, the Planning Commission may grant an extension of time for a period of not to exceed an additional thirty-six (36) months. Applications for such extension of time must be set forth, in writing, by reasons for this extension and shall be filed together with a fee as established by the City

Council, with the Planning Department sixty (60) calendar days before the expiration of the Conditional Use Permit.

2. The subject Conditional Use Permit, Design Review Application and Tentative Parcel Map permit the construction of a 33,775 square foot expansion of an existing self-storage facility and land subdivision of two (2) parcels into four (4). The expansion will accommodate 156 new single-story, self-storage units. Design Review approval includes the Site Plan/Tentative Parcel Map 15814, Building Elevations, Preliminary Grading and Conceptual Landscape Plans attached hereto.

3. No storage of materials outside an enclosed building may be permitted unless expressly designed for such purpose and approved as a part of the site approvals.

4. The facility shall be permitted to operate 7:00 am to 7:00 pm.

5. The Building Elevations shall be modified on the west and south sides to include a vertical fluted split face column every 40'.

6. Security cameras shall be installed along all drive aisles. Location of said cameras shall be approved by the Highland Police Department.

7. Permanent automobile parking spaces shall be paved with asphalt, or concrete and painted with clearly painted lines.

    a. Each permanent parking space shall be no less than nine (9') feet wide nor less than nineteen (19') feet deep, with adequate provisions for ingress and egress by a standard American passenger vehicle, except where compact car spaces have been authorized as follows:

        1) Compact car parking spaces shall be not less than seven and one-half (7½) feet wide nor less than fifteen (15) feet long and shall be clearly marked and/or posted with signs stating "Compact Cars Only". Compact spaces shall not exceed 25% of the required parking.

    b. All parking areas shall be provided with nighttime security lighting. Lighting shall be shielded and directed to reflect away from neighboring properties. Lighting should not exceed 0.5 foot candles of illumination beyond the property boundary.

    c. The handicapped parking spaces shall be properly signed and striped per the Americans with Disabilities Act

    d. Loading Zones shall be properly striped and signed.

8 A parking lane, a minimum of nine feet in width, shall be provided adjacent to the opening of each storage unit.

9. Drive aisles meeting both the City's Development Code and Fire Department requirements shall be permanently maintained throughout the interior of the site.

   a. One-way drive aisles shall be a minimum 12 feet in width and two-way drive aisles shall be a minimum twenty-four feet (24').

10. Access and circulation shall be designed so as to eliminate the need to back out of any drive or access.

11. All ground mounted, as well as wall mounted mechanical, electrical, or gas equipment shall be screened from public view by the use of landscaping and/or architectural treatments compatible with the adjoining Building's architectural design.

12. All rooftop down drains shall be installed on the interior of the Buildings. Roof drains shall not drain onto pedestrian walkways.

13. All rooftop mounted mechanical equipment shall be screened from public view. This can be accomplished by Architectural Treatments of parapets equal in height to the tallest piece of roof-mounted equipment.

14. A photometric plan shall be provided to the Planning Department for review and approval in compliance with the following standards:

   a. Lighting shall meet the following HMC standards from Table 16.40.160.A for medium activity commercial uses or other similar Standards, as approved by the Planning Commission:

      - Maintained Footcandles - 0.2 min
      - Uniformity Avg.: Min - 5.9 : 1
      - Average Foot-candle - 3.5
      - Illumination levels are defined as maintained horizontal footcandles on the task.
      - Average illumination values should not exceed minimum values by more than the product of the minimum value and the specified ratio.
      - In no case should illumination exceed 0.5 footcandles measured at the property line

   b. All lighting fixtures shall be adjusted or designed to shine horizontal / downwards to avoid spillover and glare on the surrounding community with average of 0.5 footcandles to avoid spillover and glare impacts on the surrounding community and roadways.

c. Security lighting shall be installed to adequately illuminate the facility. All security lighting shall be shielded and directed away from surrounding residential uses, businesses, and public right-of-way, and not be of unusually high intensity

d. Parking lot light standards shall be located at a distance from parking lot trees, so the trees do not interfere with the lighting pattern or the light fixture. Lighting standards shall be shown on the landscape plans and appropriately positions so as not to displace the intended location of trees in parking lot planters.

15. No floodlights or other up-lighting shall be permitted to be attached to parking lot standards for the purpose of illuminating the building.

16. All lighting fixtures shall be adjusted or designed to shine horizontal / downwards to avoid spillover and glare on the surrounding community with average of 1 1 footcandles to avoid spillover and glare impacts on the surrounding community.

17. Security lighting shall be installed to adequately illuminate the Facility. All security lighting shall be shielded and directed away from surrounding residential uses, businesses, and public right-of-way, and not be of unusually high intensity.

18. No lighting shall blink, flash, or be of unusually high intensity or brightness.

19. Parking lot light standards and building mounted fixtures shall not extend above building eaves.

20. The Applicant / Developer shall submit three (3) copies of a Final Landscape / Irrigation Plan along with appropriate fees, to the City Planning Division for plan check. Said Landscape Plan shall show the type, size, and location of landscaping materials and a date by which time the planting is expected to be completed. Said Landscape Plan shall be signed by a Landscape Architect and incorporate the following criteria:

a. All landscaping shall be provided with a permanently maintained irrigation system.

b. The plants selected and planting methods used shall be suitable for the soil and climatic conditions of the Site.

c. Landscape Plans shall show any proposed walls or fences. All walls shall be designed and constructed to incorporate design features such as tree planter wells, variable setback, split-face block, columns, or other special features to provide visual and physical relief along the wall face.

d. One hundred percent (100%) of all landscape areas or exposed soil shall be covered with either shrubs or groundcover.

21. Install a landscape planter along the northern elevation of the expanded self-storage building comparable to the planter proposed along the west side of the building.

22. Omit the trees in planters as shown along the south side of the building expansion. Spread cobbles and boulders in this area as they become available during on-site grading

23. Headers between shrub beds and groundcover/turf areas shall be a minimum six-inch (6") wide concrete mow curb.

24. All trees in planter islands, or within six feet (6') of hardscape, shall be planted with root barriers.

25. Shrubs located in front of parking stalls shall be planted approximately two feet (2') from the curb face to prevent possible damage from vehicle overhang.

26. Clinging vines, as approved by the City's Landscape Architect, shall be installed around all trash enclosures visible from the public Right-of-Way and the public parking areas or other application as approved by the Planning Commission.

27. Required trees shall be a minimum 15-gallon size; except that 25 percent of the required trees shall be 24-inch box or larger.

28. A pre-construction nesting bird survey shall be conducted no more than three (3) days prior to the removal of vegetation or ground disturbance to avoid effects to nesting birds. This survey shall encompass the entire area of project-related ground disturbance. If any active nests are detected a buffer of at least 300 feet (500 for raptors) will be delineated, flagged, and avoided until the nesting cycle is complete as determined by the biological monitor to minimize impacts.

29. Pre-construction presence/absence surveys for burrowing owl shall be conducted within 30 days prior to any on-site ground disturbing activity. The burrowing owl survey shall be conducted pursuant to the recommendations and guidelines established by the California Department of Fish and Wildlife. In the event this species is not identified within the project limits, no further mitigation is required.

    a. If during the pre-construction survey, the burrowing owl is found to occupy the site during the survey period, the City shall require the applicant to mitigate as required by standards established by the California Department of Fish and Wildlife.

30. If cultural resources are discovered during project grading by the project contractor, all work in the area of the find shall cease and a qualified archaeologist shall be retained by the project sponsor to investigate the find and to make recommendations on its disposition. If a significant archaeological resource(s) is discovered on the property, ground-disturbing activities shall be suspended 100 feet around the resource(s). The archaeological monitor and representatives of the appropriate Native American Tribe(s), the Project Applicant, and the City Planning Department shall confer regarding mitigation of the discovered resource(s). A treatment plan and/or preservation plan shall be prepared by the archaeological monitor and reviewed by representatives of the appropriate Native American Tribe(s), the Project Applicant, and the City Planning Department and implemented by the archaeologist to protect the identified resource(s) from damage and destruction. The landowner shall relinquish ownership of all archaeological artifacts that are of Native American origin found on the project site to the culturally affiliated Native American Tribe(s) for proper treatment and disposition. A final report containing the significance and treatment findings shall be prepared by the archaeologist and submitted to the City Planning Department and appropriate Tribe(s).

31. If paleontological resources are identified during project grading, work will be halted in that area until a qualified paleontologist can assess the significance of the find. They shall monitor remaining earthmoving activities at the project site and shall be equipped to record and salvage fossil resources that may be unearthed during grading activities. The paleontologist shall be empowered to temporarily halt or divert grading equipment to allow recording and removal of the unearthed resources. Any fossils found shall be evaluated in accordance with CEQA Guidelines and offered for curation at an accredited facility approved by the City of Highland.

32. The Development Impact Fees shall be calculated and paid in accordance with City policy.

33. Prior to issuance of Building Permits, the Applicant/Contractor/Occupant shall submit and obtain of a Construction Waste Diversion Plan, in accordance with City Ordinance No.269.

34. Prior to the issuance of Building Permits, a copy of the Utility Plan shall be submitted for review and approval. The Utility Plan shall show the location of all proposed above ground electrical transformers, utility cabinets, back flow devices, fire department detector check valves, etc.

35. Prior to the occupancy or tenant *change* of the Building, or portion thereof, a Plot Plan shall be submitted to the City for review and approval, which identifies location of use, letter of intent and parking requirements.

36. Revisions, modification, or deletions of associated Plans must be submitted to the Planning Division for review and approval. Revisions may require additional review by the Planning Commission.

37. In compliance with City Ordinance, the Applicant shall agree to defend, at the Applicant's sole expense, any action brought against the City, its agents, officers, or employees, because if the issuance of such approval. The Applicant shall reimburse the City, its agents, officers, or employees for any court costs and attorney's fees, which the City, its agents, officers, or employees may be required by a court to pay as a result of such action. The City may, at its sole discretion, participate at his own expense in the defense of any such action, but such participation shall not relieve Applicant of his obligations under this Condition.

CITY OF HIGHLAND
ENGINEERING CONDITIONS
Greenspot Connection
Universal Self Storage Expansion

I. Conditions Applicable to Development of Parcel 1

A - Required Prior to Map Approval
B - Required Prior to Building/Construction Permit for Parcel 1
C - Required Prior to Occupancy for Parcel 1
D - Ongoing
E - Required Prior to Grading Permit for Parcel 1
* - Non Standard Conditions

SOILS/GRADING **PC August 21, 2018**

E 1. Submit a soils report for review by the City Engineer

E. 2. Provide preliminary title reports and CC&R's (if applicable) for review by the City Engineer.

E 3. Submit rough and/or precise grading plans to the City Engineer for review and approval Comply with the City of Highland grading standards as shown on the grading plan checklist.

B 4 Submit the structural design and location for any required retaining walls for review and approval by the City Engineer.

E 5 Submit an erosion control plan to minimize potential increases in erosion and sediment transport during construction activity for City Engineer approval. Place erosion control measures during or after grading work as required by the City Engineer.

E 6. Design short term erosion control in accordance with Best Management Practices such as, silt fencing to control the site perimeter, and straw bale barriers, sand bag barriers, rock filters or sediment basins to control internal erosion, or other methods to stabilize disturbed areas, as approved by the City Engineer.

D 7 Implement dust control measures during construction activities including, but not limited to, daily watering of construction area as frequently as necessary during active and inactive periods, utilizing soil emulsions, limiting construction vehicle speed to 10 miles per hour, stabilizing construction entrances to prevent trackout of sediments, and street sweeping.

B 8. Submit original wet signed and stamped rough grading certifications from the soils engineer and the grading engineer, along with compaction reports, to the City Engineer.

C 9. Submit original wet signed and stamped final grading certification from the grading engineer, to the City Engineer.

STREET /CIRCULATION

D* 10. In accordance with the City's Greenspot Road Master Plan, future development of the property adjoining easterly of the existing self-storage facility will be required to (1) construct a future eastbound right-turn pocket, a traffic signal and a driveway entrance abutting the east line of the existing self-storage facility, (2) remove the existing self-storage facility driveway approach on Greenspot Road and replace it with curb, gutter and sidewalk, and (3) reserve a private easement for pedestrian and vehicular access in favor of the existing self-storage facility and Parcels 1 thru 4. After development of the easterly adjoining property, the existing self-storage facility shall modify existing on-site improvements and construct a 2-way access to connect to the future driveway entrance and the future traffic signal that have been constructed by future development.

E 11. Submit street and drainage improvement plans to the City Engineer for review and approval Indicate on the plan the location of any existing utility/facility which would affect construction. Comply with the City of Highland design standards as shown on the street and storm drain improvement checklist.

C 12. Submit "Record Revisions" to all plans to reflect the improvements as constructed, and any changes made during construction.

WATER QUALITY/ DRAINAGE

E* 13. Obtain approval by the City Engineer of a Final Water Quality Management Plan (F-WQMP), prepared in accordance with the City's National Pollutant Discharge Elimination System (NPDES) permit requirements in effect at the time the Conceptual Water Quality Management Plan was approved unless subsequent City NPDES permits require otherwise. The F-WQMP shall (1) be prepared, signed, and sealed by a licensed Civil Engineer, (2) include Site Design Low Impact Development and Source Control Best Management Practices (BMPs) appropriate for commercial development, (3) include a BMP implementation, operation, and funding mechanism, and (4) be certified by the property owner. The property owner shall also enter into a Stormwater BMP Transfer, Access, and Maintenance Agreement with the City on the City form Include a copy of the recorded agreement in the F-WQMP. Construct BMPs in accordance with the approved F-WQMP.

E* 14. Install treatment control BMPs including, but not limited to pretreatment BMPs, and underground infiltration system. Alternate site design and treatment control BMPs which are equally effective may be submitted for review and approval by the City Engineer

E* 15. Design grading and on-site improvements to drain 100-year storm flows generated within the entire project site to the proposed on-site water quality system. Construct a storm drain to convey overflows from the on-site water quality system directly connecting to the existing public catch basin on the south side of Greenspot Road. With approval from the City Engineer, flows from the project may drain to the westerly adjoining property, if not exceeding the pre-development amount.

E 16. Prepare and submit a hydrology study to determine storm runoff quantities tributary to and generated within the site. Include hydraulic calculations to determine the size and type of all proposed drainage facilities.

MAP/DEDICATION

A* 17. Dedicate right-of-way across the Greenspot Road frontage of Parcels 2, 3, 4, and the Remainder Parcel to provide 55' south of street centerline and standard corner cutoff at the existing driveway adjoining Parcel 2.

A* 18. Submit to the City an irrevocable offer of dedication for additional right-of-way necessary for construction of a future eastbound right-turn pocket and a future traffic signal to be constructed by future development of the easterly adjoining property or properties located on the north side of Greenspot Road The eastbound right-turn pocket shall be 14'-wide, 80'- long having a 80'-long taper. The City will not exercise the right granted under the irrevocable offer of dedication until it is needed for construction of the eastbound right-turn pocket.

A* 19. Submit to the City an irrevocable offer of dedication for vehicular access right to Greenspot Road across the existing self-storage facility driveway. The City will not exercise the right granted under the irrevocable offer of dedication until it is needed for future development to construct the eastbound right-turn pocket and to remove the existing self-storage facility driveway.

C* 20. Apply to the City to annex the Parcels 1 thru 4 and the Remainder Parcel into the City's Landscape Maintenance District for City maintenance of frontage and median landscaping along Greenspot Road. Submit a ballot to the City agreeing to the annexation and amount of assessment.

A* 21. Dedicate a landscape easement across the Greenspot Road frontage for Parcels 1 thru 4 and the Remainder Parcel for potential City maintenance of frontage landscaping.

A* 22 Reserve a reciprocal private easement for drainage, sewer, water, pedestrian, vehicular access, and parking purposes in favor of the Parcels 1 thru 4 and the Remainder Parcel.

E* 23 Participate in a legal mechanism between the property owners of Parcels 1 thru 4 and the Remainder Parcel and the easterly adjoining property for maintenance and operation of the future signalized driveway entrance abutting the east line of the existing self-storage facility,

B 24. Record a Parcel Map with the San Bernardino County Recorder pursuant to the provisions of the State Subdivision Map Act.

A 25. At the time of Parcel Map submittal, the following shall be submitted: Traverse calculations (sheets), copies of recorded maps and deeds used as reference and/or showing original land division, tie notes and bench marks referenced, and a current title report The traverse calculation sheets shall show error of closure. Inverse calculations will not be acceptable for plan check review.

A 26. Include an Improvement Certificate/Statement on the Parcel Map in accordance with Section 66411.1 of the Subdivision Map Act.

B 27. Submit a duplicate photo mylar of the map recorded with the San Bernardino County Recorder.

FEES/BONDS

C* 28. Pay a proportionate share of the $70,333 traffic mitigation fees applicable to Parcels 1 thru 4 as identified in the focused traffic study prepared by Hernandez, Kroone & Associates dated May 1, 2018.

C 29 Pay City processing fee for application of Development Impact Fee credit to reflect payment of traffic mitigation fees.

D 30. Pay appropriate City fees for district annexation, plan check, WQMP review, focused traffic study, hydrology study review, structural calculation review, on-site and off-site inspection, utility excavation permits, microfilming and storage of plans, and other required fees.

A 31. Post a deposit for monumentation based on an estimate of the cost to perform the work by the project surveyor or engineer. The deposit shall not be released prior to written verification from the surveyor or engineer that the monuments have been set and payment for the work has been received.

E 32. Post a deposit for erosion control which shall not be released prior to completion of all on-site construction.

E 33. Submit a Grading Bond if more than 5,000 cubic yards of earthwork is proposed, and the grading is to be supervised in accordance with Section 3311(c) of the Uniform Building Code.

UTILITIES/CONSTRUCTION

D 34. Obtain a permit from the City Engineer prior to any on-site grading or construction within the public right-of-way.

E* 35. Obtain written permission from the adjoining property owners, including San Bernardino County Flood Control District, for offsite grading and construction work, if any

B 36. Install construction fencing and screening in accordance with Building and Safety Division Policy 335.

C 37. Reconstruct existing public improvements removed or damaged during construction. Pavement repair, which may include A C. overlay, T-cut trench repair and/or slurry seal shall be across all or a portion of damaged pavement caused by this project as determined by the City Engineer.

C 38. Coordinate, and where applicable, pay for the relocation of any existing public utilities as necessary.

C 39. Provide all utility services to each building, including sanitary sewers, water, electric power, gas, internet, and telephone. All utilities are to be underground.

E 40. Comply with applicable requirements of the National Pollutant Discharge Elimination System (NPDES) permit program. Provide written verification from the Regional Water Quality Control Board specifying the project's WDID number.

B 41. Destroy any abandoned wells on the property or similar structures that might result in contamination of underground waters in a manner approved by the City Engineer.

B 42. All underground structures, except those desired to be retained, must be broken in, backfilled, and inspected before covering.

D 43. Comply with the prevailing City design and construction standards and requirements at the time of permit issuance.

II. Conditions Applicable to Future Development in Parcels 2, 3, and 4

B - Required Prior to Building/Construction Permit for Parcels 2, 3 and 4
C - Required Prior to Occupancy for Parcels 2, 3 and 4
D - Ongoing
E - Required Prior to Grading Permit for Parcels 2, 3 and 4
* - Non Standard Conditions

SOILS/GRADING

E* 44. Prepare grading, landscaping and signage plans to comply with the City's sight distance requirements at project entrances. Walls, fencing, monument signs, landscaping, and utility structures, etc in the line of sight must not exceed thirty inches in height, measured from the flowline of the street.

STREET /CIRCULATION

C* 45. Construct 6'-wide curb adjacent sidewalk across the entire Greenspot Road frontage of Parcels 2.

E* 46. Design the site plan for Parcel 3 and 4 to reflect and accommodate a future eastbound right-turn pocket and a future traffic signal, to be constructed by future development of the property adjoining easterly of the existing self-storage facility.

B 47. Design and construct public improvements including sidewalk, drive approaches and access ramps in accordance with requirements of the State of California Accessibility Standards, Title 24 California Administrative Code

E 48. Design the site plan to accommodate internal circulation between Parcel 2, 3, and 4 and the existing self-storage facility.

C 49. Install traffic control signs and pavement markings, with locations and types approved by the City Engineer.

C* 50. Install landscaping and irrigation along the Greenspot Road project frontage. Design frontage irrigation system with a separate water meter and controller from the on-site irrigation system.

FEES

C* 51. Pay a proportionate share of the $70,333 traffic mitigation fees applicable to Parcels 1 thru 4 as identified in the focused traffic study prepared for this project by Hernandez, Kroone of Associates dated May 31, 2018.

C 52. Pay City processing fee for application of Development Impact Fee credit to reflect payment of traffic mitigation fees.

Building and Safety Division Conditions of Approval

Date:	8-8-18
Applicant:	Self-storage
Site Location:	28099 Greenspot Rd
CUP:	17-003
APN	1201-341-14, 15

1. Please provide the following construction plans and documents listed below for review of the proposed project. The initial plan review time will take two weeks on most projects. The applicant will receive a plan review number at the time plans are submitted for Building & Safety's plan review. This plan review number is needed to obtain information regarding your project.

    (3) Architectural Plans
    (3) Structural Plans
    (3) Structural Calculations
    (3) Plot/Site Plans
    (3) Electrical Plans
    (3) Electrical Load Calculations
    (3) Plumbing Plans/Isometrics
    (3) Mechanical Plans
    (3) HVAC Duct Layout Plans
    (3) Roof and Floor Truss Plans
    (3) Title 24 Energy Calculations
    (3) Geology Report
    (3) Soils Report
    (3) Precise Grading Plans
    (3) Site Disabled Access Plan
    (3) Condition of Approval Packages
    (3) Temporary Fence Plan
    (1) Approved Health Department Plans
    (2) Commissioning Plan

2. All structures shall be designed in accordance with the current version of the California Building Codes, including the California Green Building Standards Code. Design all structures to comply with Seismic Design Category D, wind speed 110 (ULT) MPH, at exposure "C", and Energy Climate Zone 10

3. Building and Safety does not release the gas meter until final approvals are obtained from all agencies and departments. Policy 295.

4. It has come to the Cities attention that premature failures have occurred in copper piping when used within the City of Highland, particularly east of the

Santa Ana river bed. Property Owners, Contractors and Developers are advised to analyze soil and water compositions when considering the type of pipe material to be utilized. City staff makes no recommendations on which Plumbing Code approved products or methods to utilize, this is the responsibility of the property owner or contractor. Alternate unapproved code materials may be submitted for City approval at the time of plan submittal.

5. The Developer/Owner is responsible for the coordination of releasing any Deferral of Development Impact Fees or Bonds after such fees have been paid. The Developer/Owner should be aware, once the deferral notice is sent to the San Bernardino County Recorder's Office; the release process takes two to three weeks. This process will delay final Certificates of Occupancy.

6. The Developer/Owner is responsible for the coordination of the final occupancy. The Developer/Owner shall request clearances from each department and/or agency at least two weeks prior to requesting a final building inspection from Building and Safety. Each agency shall sign the back of the Building and Safety Job Card and provide a copy of the signatures to Building and Safety at the time a final inspection is requested.

7. Projects requiring County Health and/or San Bernardino Environmental Control, such as food services or interceptors, need to obtain those permits prior to building permit issuance.

8. Building and Safety inspection requests can be made 24 hours in advance for the next day inspection. Please contact (909) 864-2136, Ext 228.

9. A security fence with screening shall protect all construction sites. The fencing and screening shall be maintained at all times to protect pedestrians.

10. On site toilet facilities shall be provided for construction workers and such facilities shall be maintained in a sanitary condition. Construction toilet facilities of the non-sewer type shall conform to ANSI ZA.3.

11. All construction materials, which are not used, shall be recycled pursuant to the requirements set forth by Ordinance No. 269. Receipts from the recycle company responsible for picking up the materials shall be kept in the construction office. After the construction is complete and before final occupancy, the trash receipts shall be forwarded to the Planning Division.

12. Construction projects, requiring temporary electrical power, shall obtain an electrical permit from Building and Safety. No temporary electrical power will be granted to a project unless the following item is in place and approved by Building and Safety and the Planning Division.

    a) Installation of a construction trailer through the "Temporary Occupancy Permit", alternatively, a security fenced area where the electrical power will be located. Installation of construction/sales trailers must be located on private property. No trailers can be located in the street unless a permit from the Engineering Department is obtained.

13. Prior to the issuance of Building Permits, on site water service shall be installed and approved by the responsible agency On site fire hydrants shall be approved by the Fire Department. No flammable materials will be allowed on the site until the fire hydrants are established and approved. No flammable construction materials shall be placed on the site without approvals by the Fire Department. All street and access roadways around the project shall be paved for emergency response vehicles before flammable materials are placed on the project.

14. Construction projects requiring fire permits must apply and submit fire plans prior to the issuance of the building permit, including fire sprinkler submittals.

15. Prior to issuance of permits, site-grading certifications and compaction reports shall be submitted to Building and Safety or Public Works, as applicable.

16. Prior to issuance of building permits, provide a receipt from the appropriate Unified School District stating that all school fees have been paid. (Redlands or San Bernardino Unified School Districts)

17. All construction projects shall comply with the NPDES Stormwater Best Management Program. Prior to building permit issuance submit copy of the Water Quality Management Program Report. (WQMP)

18. Prior to final inspection, provide Building & Safety with a flash disk of the approved plans and documents.

19. Site development and grading shall be designed to provide access to all entrances and exterior ground floor exits and access to all paths of travel. All route(s) of travel shall comply as accessible route(s) of travel.

20. The City enforces the State of California provisions of the California Building Code disabled access requirements. The Federal Americans with Disabilities Act (ADA) standards may differ in some cases from the California State requirements, therefore it is the building owner's responsibility to be aware of those differences and comply accordingly.

21. At the time of submittal for plan review, projects meeting the requirements under Section 5.410.2 and Section 5.410.2.3 of the California Green Building Standards Code shall submit a Commissioning Plan. The Commissioning Plan shall include the following:

    a. General project information
    b. Commissioning goals
    c. Systems to be commissioned
    d. An explanation of the original design intent
    e. Equipment and systems to be tested, including the extent of the test
    f. Functions to be tested.
    g. Conditions under which the test shall be performed
    h. Measurable criteria for acceptable performance

i. Commissioning team information
j. Commissioning process activities, schedules and responsibilities.
k. Plans for the completion of the commissioning shall be included.

City of Highland, **FIRE PREVENTION DIVISION,** Conditions of Approval.

DATE : August 8, 2018

APPLICANT : Redlands Consultants & Associates

ADDRESS : 28099 Greenspot Road

SITE LOCATION: Proposed Expansion of Self Storage Facility on Vacant Lot

FILE / INDEX No.: CUP 17-003

A tiered level of mitigation options has been developed and listed below are the systems and/or modifications required for your project. Compliance of the following items are a condition of **FINAL OCCUPANCY APPROVAL**. These conditions are required as acceptable solutions to the adverse fire conditions impacting firefighting and emergency operations accompanying the site/area. They will either assist in detection and extinguishment of the fire and/or facilitate the anticipated emergency operations.

This project is protected by the City of Highland Fire Department / Cal-Fire / California Department of Forestry and Fire Protection. Prior to any construction occurring on any parcel, the applicant shall contact the city of highland fire marshal office for verification of current fire protection development requirements. All new construction shall comply with the currently adopted California Fire Code and all applicable statutes, appendices, codes, ordinances, standards and policies of the City of Highland Fire Department/ Fire Prevention Division / Cal-Fire / California Department of Forestry and Fire Protection

Fire Department Review of all projects is required.

ALL CONSTRUCTION (New and renovations to existing) SHALL COMPLY WITH THE CALIFORNIA FIRE CODE Along with amendments as adopted within the Highland Municipal Code (Ord. #411).

Note: All weather access roads (CFC) and fire hydrant/water system installations shall be in place, inspected and approved, **PRIOR** to combustible material being brought on site.

GENERAL.

1. **HF3:** A fuel break of one hundred (100) feet (brush and weed clearance) is required prior to construction. The clearance shall be maintained on a year-round basis. **CFC & HMC**

2. **HF31:** Approved fire hydrant pavement markers (blue dots) shall be installed at every hydrant.

3. **HF51:** The main electrical panel and all sub-panel(s) shall be labeled on inside cover for all circuits. **CEC**

4. **HF52:** Water heater (fuel fired), shall be properly vented to exterior of structure. Water heater shall be seismic strapped to wall and be located 18" above a garage floor. **CBC**

5. **HF55:** Commercial exit requirements:
   A. Required exit doors shall be maintained in an operable condition at all times
   B. Required exit doors shall swing outward and away in the direction of exit travel.
   C. Obstructions shall not be placed in the required width of an exit. Exits shall not be blocked or locked shut or obstructed in any manner during business hours.
   D. Exit paths shall be illuminated when structure is occupied.
   E. Exit path illumination shall be supplied from two (2) sources of power when occupant load is one hundred (100) persons or more.
   F. When exit way/exit pathway and/or exit doorway is not easily identified, additional exit signs shall be installed.

6. Exit signs shall be internally or externally illuminated by two lamps or shall be of the self-luminous type. **CFC; CBC**

7. **HF60:** Additional plans for access, fire safety systems, fire lanes and signage, gates, storage, or other special conditions may be requested for review, conditioning and approval by the fire marshal.

8. **HF48:** A class "A" roof covering structure with "bird stops" shall be installed.

ACCESS:

9. **HF7:** Fire department **access** roads shall meet the fire dept. minimum unobstructed width of twenty (20) feet (twenty-six (26) feet within FR-1&2 zones). **This standard shall not lessen other agency requirements.** Access roads shall be paved (asphalt/concrete) and in place **prior** to delivery of combustible building materials on site. Roads shall be designed and constructed to meet adopted city standards. **CFC**

10. **HF8:** All access roads, public, private streets and residential driveways shall maintain a minimum vertical clearance of thirteen (13) feet-six (6) inches. **CFC**

11. **HF10:** Driveways exceeding 150 feet shall have a fire department approved turn-around at the terminus. **CFC / APPENDIX D**

12. **HF11:** Fire department access roadway(s) and/or public/private street(s) exceeding one hundred fifty (**150**) feet in length shall provide an approved turn-around at the terminus (**cul-de-sac**). Minimum radius shall be **not less than forty (40)** feet. Or as approved by the fire marshal. Cul-de-sacs providing access to perimeter emergency access roads shall have a minimum radius of forty four **(44)** feet. **CFC / APPENDIX D, SBCO TRANSPORTATION STD**

13. **HF12:** Fire department access roadway(s); public/private street(s) and driveways shall not exceed 12% grade. **CBC / APPENDIX D, HMC**

14. **HF13:** Fire department access roadway(s); shall extend to within one hundred fifty (150) feet of and shall give reasonable access to all portions of the exterior walls of the first story of any building.
    An access road, approved by the fire dept., shall be provided to within fifty (50) feet of all structures when the natural grade between access road and structure is in excess of 30%.
    Where an approved access road cannot be provided, a fire protection system shall be required and approved by the fire department. **CFC**

15. **HF15:** "Phased" projects may be required to provide a minimum of two (2) remote points of approved access during construction. A secondary access, for fire and other emergency equipment and for routes of escape, which will safely handle evacuations. **CFC - APPENDIX D**

16. **HF24:** "NO PARKING – FIRE LANE" signs shall be posted at locations designated by fire marshal. Fire lane curbs shall be painted red, with white letters stating, "NO PARKING – FIRE LANE" on top, not face. **CFC - APPENDIX D**

17. **HF54:** commercial and industrial structures-occupancies and gated complexes shall have an City of Highland "H-Key" and a "**KNOX BOX**" system installed on

the exterior of the building(s) or gated complex. Location of device to be determined by the fire department. The box shall contain keys necessary to gain access and may contain pre-plans and MSDS information as required by the fire department. New and existing multi-tenant commercial buildings shall provide a 'KNOX' box large enough to contain keys to access each individual tenant space. Installation location(s) to be determined by the fire marshal. The box shall contain clearly marked keys to each tenant space or other areas as determined by the fire marshal. **CFC**

WATER:

18. **HF25:** Minimum required fire flow, as determined by i.s.o. formula, is as follows: **22**
COMMERCIAL; GPM = 2750; at 20 psi residual; for 2 hour duration.
System shall be looped with minimum eight (8) inch mains; six (6) inch laterals, six (6) inch risers; six (6) inch dia. Hydrants with two 2 ½" outlet(s) and one 4" outlet. **CFC APPENDIX B AND C**

Note: Hydrants shall meet EVWD standards.

19. **HF29:** Fire hydrant spacing shall be:
Commercial retail: 300 FEET
CFC / APPENDIX B AND C.

Note: Existing fire hydrants (off-site) can be included if they meet spacing requirements. Hydrants shall not be located at the 'bulb' end of cul-de-sacs.

20. **HF26:** Two sets of water delivery system plans, designed to meet the required fire flow for this project and/or development, shall be submitted to the fire department for review and approval. **CFC**

21. **HF27:** Applicant-developer shall provide a letter from the water company serving the project-development, verifying financial arrangements have been made and bonded for the required water improvements **CFC**

22. **HF28:** Fire hydrants shall be installed, inspected and operational as per approved water system delivery plans **prior** to any framing, construction or delivery of combustible materials to project site. **CFC / CFC**

23. **HF30:** Private, on site fire hydrant(s) – yard hydrant(s)- capable of supplying required fire flow shall be installed at location(s) identified by the fire department. System shall be looped with minimum eight (8) inch mains; six (6) inch laterals, six (6) inch risers; six (6) inch dia. hydrants with one 2 ½" outlet and one 4" outlet. **CFC / APPENDIX B AND C**

24. **HF38:** Approved fire hydrant(s) capable of supplying required fire flow, shall be provided to all premises upon which facilities, buildings or portions of buildings are constructed or moved within the jurisdiction. When any portion of the facility or building protected is in excess of 150 feet from a fire hydrant on a public street, as measured by an approved route around the exterior of the facility or building, additional fire hydrants or on-site fire hydrants, meeting the required fire flow, shall be provided. **CFC APPENDIX B AND C**

ADDRESSING – IDENTIFICATION:

25. **HF21:** **Commercial** and **multi-family residential** address numbers shall be displayed on all **new and existing** structures in such a manner as to be plainly visible and legible from the access roadway or street. Numerals shall be of a contrasting color to the building and electrically illuminated.
Minimum size of the numerals shall be **8"** height, 3/4" stroke, or as approved by the fire marshal.
Industrial occupancies shall have address numbers of 12" height, 1" stroke and shall be electrically illuminated so as to be visible and legible from access roadway or street.
Note: Depending on height and setback of a building, larger numerals may be required and at additional locations on the building, as determined by a case-by-case review. **HMC**

26. **HF22:** Commercial-retail structures with rear access shall display address numbers on rear entry doorways, **4"** in height, 1/2" stroke, on contrasting background. **CFC**

FIRE PROTECTION & ALARM SYSTEMS:

27. **HF36:** Automatic fire sprinklers shall be installed according to **NFPA 13** and fire dept. requirements. Submit three **(3)** sets of shop plans with material cut sheets and hydraulic calculations, indicating the type of occupancy, type of materials to be stored (if any), for fire dept. review and approval prior to any installation. Submit copy of California C-16 license. **CFC; CBC; HMC**

28. **HF37:** Automatic fire sprinkler control devices (P.I.V & O.S.&Y.) Shall be visible from fire dept. access roadway, and identify system being controlled and address of structure.
Fire Dept. Connection (FDC) shall be located no closer than forty (40) feet and not to exceed one hundred fifty (150) from structure. Required fire hydrant shall have a maximum distance from FDC of thirty (30) feet. FDC shall identify address and system of structure being protected. **CFC**

29. **HF41:** A minimum of one 2A-10BC fire extinguisher shall be installed for each 3,000 sq.ft. of floor area. Travel distance to any one fire extinguisher shall not exceed 75 feet. Additional fire extinguishers, size and class to be determined by fire department, may be required. Fire extinguishers shall be serviced bi-annually and shall have a current State Fire Marshall service tag attached. Fire extinguishers are to be serviced every two years and inspected & tagged every year. **CFC; NFPA**

30. **HF43:** An automatic fire detection and alarm system meeting the requirements of CFC 907, CBC and NFPA 72 shall be installed. Three (3) sets of shop plans with material cut sheets and calculations shall be submitted to the fire department for review and approval prior to installation. **CFC; CBC; NFPA**

31. **HF60:** California Fire Code, **FIRE SAFETY DURING CONSTRUCTION AND DEMOLITION**, shall apply to this project. it is the responsibility of the project manager to meet with the fire marshal to discuss requirements specific to this project.

32. **HF62**: Additional plans for access, fire safety systems, storage or other special condition may be requested for review, conditioning and approval by the fire marshal.

33. **HF63**: Submit to fire marshal's office: **one copy** of building and/or structure plans for fire department review.

Craig Sanchez, Fire Marshal
City of Highland Fire Prevention
(909) 864-8732 x 248

Attachment 3:

PC Minutes from August 21, 2018

MINUTES
PLANNING COMMISSION REGULAR MEETING
August 21, 2018

CALL TO ORDER

The regular meeting of the Planning Commission of the City of Highland was called to order at 6:01 p.m. by Chairman Hamerly, in the Donahue Council Chambers, 27215 Base Line, Highland, California.

Present:	Chair	Randall Hamerly
	Vice Chair	John Gamboa
	Commissioner	Michael Hall
	Commissioner	Rich Haller
	Commissioner	Tamara Zaman

Absent: None

Staff Present: Lawrence Mainez, Community Development Director
Kim Stater, Assistant Community Development Director
Ernest Wong, Public Works Director/City Engineer
Matthew Bennett, Project Manager
Nancy Stewart, Administrative Assistant III

The Pledge of Allegiance was led by Chair Hamerly.

City Clerk Hughes swore in newly appointed Commissioner, Michael Hall.

CONSENT CALENDAR

1. Minutes from August 7, 2018, Regular Meeting

A MOTION was made by Vice Chair Gamboa, seconded by Commissioner Zaman, to approve the Minutes as amended. Motion carried, 4-1, with Commissioner Haller abstaining.

PUBLIC HEARING

2. A Conditional Use Permit, Design Review Application and Tentative Parcel Map to allow a 33,775 square foot expansion of an existing self-storage facility and subdivision of property from two to four parcels; CUP-17-003, DRA-18-005, TPM 15814.

Assistant Community Development Director Stater gave a brief description of the staff report, additionally stating there have been some modifications to the engineering conditions of approval. Those have been placed on the desk before you when you arrived this evening and copies have been provided for the public. Those changes have been highlighted. Staff also received today a comment from the adjacent property owner requesting clarification that the project before you this evening does not include the previously submitted gas station and fast food restaurants that did require reciprocal access between the properties, like In n Out and those to the west. Staff did clarify

these are not before you this evening, and you will not be taking any action that requires reciprocal access between the projects.

Chair Hamerly stated on the modified engineering condition that requests internal circulation between the mini storage and parcels two, three and four, that seems to work at odds with the security system that most mini storage facilities require, so he would have reservation about that. Could staff explain the thinking behind opening up between fast food and/or a gas station and the mini storage unit?

Assistant Community Development Director Stater stated at one time we had seen a fast food proposal and it did not share access with the mini storage which we thought at the time would be to the benefit of both projects. She will let Public Works Director/City Engineer Wong answer the question.

Public Works Director/City Engineer Wong stated this project has a special condition of approval that he thinks is worthwhile to explain. This shows the Golden Triangle area between the freeway here and Boulder Avenue here on Greenspot Road. The City of Highland has adopted a Master Plan for the improvement of Greenspot Road and also access layout at various locations. Right here at the freeway we have a signal here, and then in front of Lowes we have a signal, and then in front of the driveway to Staples there is another traffic signal. In the future there is going to be a traffic signal constructed at this location. This is right in the middle of the Golden Triangle. This location is the main entrance to this area, including commercial and residential areas. Similarly this traffic signal is going to provide full access to this development. The Master Plan shows that this big area is to get its full access way at this point, enter right at this location into the project or out of the project. As you can tell across the street, this intersection is already built. The City of Highland built the entire three quarter mile of Greenspot Road, the full width, everything was built including all the traffic signal conduit underneath the roadway; it is ready. So we anticipate that when either this property develops or some property up here develops and when they need this access they will build a traffic signal to control this intersection. As you can see on the north side, there is already a right-turn pocket built that would lead you to the property on the north side of the street. Similarly in the future there is going to be a right-turn pocket built in front of the signal to allow traffic to move into this parcel. What we anticipate to happen is, when this property sells, they will install a right turn pocket, put in a traffic signal, and install a driveway similar to what is on the north side. Whenever this driveway is available in the future, then we would anticipate that the driveway access would be removed by the new development. The existing development here will have to construct something inside to make a connection so they can utilize this signal light intersection to make a left turn out or in to the project. If you don't what will happen is this driveway is going to end up in the future a right turn pocket right in front of a signal. So this driveway would really not be a good location for access. When the signal is built, it would be difficult to get in and out of this driveway because you will have cars waiting in line for the green light, so this driveway would be blocked all the time. It is not going to be in the right location anymore. So as a part of this conditional approval, you see that this project now is required to do several things. One, blend a reciprocal easement among themselves so that parcels two, three and four and the parcel down here, and the existing mini storage will all be interconnected. They can all go to this future connection. Number two is, this project is now required to rent to the City a reciprocal offer of dedication to allow future construction of the right-turn pocket, so the future development here doesn't have to go get the dedication from them anymore because the City would already have that dedication. Thirdly, this project is required to make the physical connection to this

driveway. We think this would be a good arrangement to allow all the development of both this project and the project to the east. He wants to emphasize though, there is no need for any construction at this point to be done by the expansion of the self-storage facility. They don't need to do anything yet, at this time. They don't even need to do anything in the future. They don't need to worry about removing the driveway because the new development would take care of it at that time.

Chair Hamerly stated so in combination with the three actions that would be required to develop parcels two, three and four, there would also need to be a reciprocal parking arrangement between those three parcels and the existing mini storage because that would leave them without any parking whatsoever, because the only point of access would take out three or four existing parking spaces that they have outside the gate.

Public Works Director/City Engineer Wong stated yes but they are going to gain parking space in here when this driveway is closed; they can park against the street too. So they can make arrangements internally to still make their site plan work.

Chair Hamerly stated the other point is that the southbound drive aisle that comes into that future parcel to the east, is it anticipated that would have a median? Because the drive aisle that was going northbound, that at one point was a prominent gateway into that parcel and they were proposing a median. If a median is in fact there, that would cut off any access to come out of the mini storage and go westbound on Greenspot.

Public Works Director/City Engineer Wong stated of course we will not let that happen. Whatever median design would be subject to City review and approval, and we will make sure that there is a break in the median.

Chair Hamerly stated or they could make a southbound turn coming out of the mini storage, go to the circulation route that allows them to do a u-turn, then go northbound and then go westbound.

Public Works Director/City Engineer Wong stated that could be an alternative, but that can be evaluated in the future when we have development.

Chair Hamerly stated he is leery of any cross-traffic solutions within the first 100 to 150 feet of an intersection, especially when it is signalized because of the queues. That can create a bunch of problems for circulation, that would essentially lock the people into the mini storage parcel unable to get out if either the signal is active and allowing people to go southbound, or if the queue is extensive coming out of that center going northbound they wouldn't be able to cross.

Public Works Director/City Engineer Wong stated when we have a proposal on the Walmart parcel, then we will make sure that proposal will accommodate this movement for the self-storage.

Chair Hamerly stated he understands the explanation, but do we need to add any clarifying language for future participants in this development proposal so that we are only talking about the drive aisle outside the gate; we are not talking about full access between parcels two, three and four and the mini storage. The cross lot access is not for the purpose of gaining access to the mini storage from parcels two, three and four directly. It is to access the drive aisle at the eastern side of the property.

Public Works Director/City Engineer Wong stated he thinks we have conditioned that language to do two things. One is to require that internally command one, two, three and four that they have reciprocal access. Number two we have other language that requires this future connection to the property adjoining to the east.

Chair Hamerly stated his question was regarding Condition 48. It just says accommodate internal circulation. It is not specific to the existing drive aisle or any ingress/egress out of the site. It just says internal circulation.

Public Works Director/City Engineer Wong stated Condition 48 says that parcels two, three and four and the existing self-storage will have internal circulation. And we have Condition Number 10 in Item 3 that says future development in the Walmart parcel will reserve a private easement in favor of self-storage and all of these parcels within the parcel map here. So he thinks between the two it is clear that they are internally inter-connected, and they are also connected to the parcel on the east.

Commissioner Haller asked parcels 2, 3 and 4 can develop prior to the parcel to the east with no requirements to where these two driveways exist?

Public Works Director/City Engineer Wong stated correct. The parcels within this project here can all develop and use this access, because they don't have a driveway right next to them to connect to. However, once that driveway is constructed by the Walmart parcel development, then they would need to make that connection.

Chair Hamerly they would almost have to make a U-turn to get back to that.

Public Works Director/City Engineer Wong stated but they have another driveway here that they can use.

Chair Hamerly stated but it is still a U-turn. To access either of those two driveways would require a U-turn at some point on Greenspot.

Public Works Director/City Engineer Wong stated that is true. Eastbound traffic wanting to go into this project, without this signal would have to go there and make a U-turn. That is why this signal is really good for this business.

Kal Farah, Redlands Consultants & Associates, stated there is one condition they did not know how to resolve with regard to landscaping in front of one of the buildings facing northerly on the self-storage. That building sits 317 feet away from the street, and they don't see the need to put in landscaping on vacant land that will be their property line. That was the process they had worked on by sub-dividing all of those properties. None of the surrounding properties were required to landscape vacant land. They could break that building's frontage towards Greenspot putting some columns every 40 feet just to break the monotony of the flat or horizontal split-faced block.

Chair Hamerly inquired which particular Condition he was referring to so we can note it in any Motion if we choose to agree with that, regarding the landscape that would be on the north façade of the addendum parcel?

Kal Farah stated the north façade of the proposed addition to the self-storage.

Assistant Community Development Director Stater stated it is Planning Condition Number 21 on page 102 of your packet.

Chair Hamerly stated to clarify your point, when the parcels to the west of you were developed, there was also a Landscape Master Plan and as part of the Conditions of Approval those projects were conditioned that they had to implement the full scope of their Landscape Master Plan. If you were submitting an entire Master Planned Development for parcels two, three and four there would be similar conditions about the right-of-way, the parkway and the internal landscaping as a percentage of the total development. The concern is that this project could be there for five or ten years before the parcels to the north are developed. To mitigate the risk of the blank wall being an attractive nuisance, we either say clinging vines of some sort to be a deterrent for graffiti, or we say put a fence, some trees or some sort of vegetation. We will leave the option up to you, but in general we would tend to agree with the City's Landscape Architect in that regard.

Kal Farah reiterated concerns about the landscaping Condition on a vacant property.

Chair Hamerly asked what is the anticipated time frame for development of parcels 2, 3 and 4?

Kal Farah stated he could not say. The proposal was for this application to go through together, however they did have issues with the properties to the west. There was a Condition of Approval on their CUP to share reciprocal access easement just like they are requiring now, and they deny that it was one of their conditions. If we want to follow through with reciprocal access on those front properties, then we have to go through their property. They pulled those out so they could give the City and the developers more time to communicate together to find out whether that requirement on the adjacent westerly property was really a reciprocal access easement or not. On their parcel map it named this specific parcel that it had reciprocal access and now they deny it. So we had pull that away, but we were hoping that we can go ahead and do the development together.

Vice Chair Gamboa stated this is the only wall that will be facing northerly, and that is why we are asking for landscape along that edge.

Kal Farah restated his position.

Chair Hamerly stated regarding the Tentative Tract Map that proposes to subdivide the northerly parcel into three, are we locking ourselves into an arrangement where there is going to be three separate pads as opposed to one larger facility? Or is it anticipated that there would be one facility on one of the parcels, say the westernmost parcel, and then the other two parcels, 3 and 4, could potentially be developed to a larger scale building per the original proposal?

Kal Farah stated he is not sure. When he first came to this project, they had projects coming, two drive-thrus, and the gas station. They had people interested. Some of them moved away because it has been three years of trying to facilitate.

Chair Hamerly stated that is one of his chief concerns is that by putting traffic intensive or internally intensive circulation towards the front of these parcels we create more circulation problems within the overall development or fabric of the Greenspot Corridor.

He knows in looking at the proposal to the north there were gas stations there. There were a bunch of smaller independent parcels that were developed or proposed for development there, which puts all of the circulation, especially for drive-thrus, the queues and all of that, it puts it towards the front of the parcel which can create some additional problems. Not to fault In n Out, because they are very popular, but frequently their queues extend all the way back through that internal drive aisle because they have so many customers. That is a concern for him, in that if we start having a lot of drive-thru restaurants that are very successful, some of those queues, especially given how shallow this particular parcel is at the northern edge, if those queues start disrupting circulation coming in off of Greenspot, could you address those concerns?

Kal Farah stated all the front parcels that are empty he believes were within the City's Retail Commercial from the initial start, that they were required to be retail and commercial. He believes when the traffic study was done on Greenspot Road that was taken into consideration. He believes that Public Works Director/City Engineer Wong had proposed and conditioned this project for the circulation; they had drawn some proposals of where their driveways would go to the proposed traffic signal. When those projects do come, circulation will be addressed by engineering. It does take into consideration all of those items once the project is designed. In this case, the project is designed as a self-storage facility with very little traffic count. If a drive-thru comes in, maybe the City would require a traffic study and at that time all of these items would be addressed.

Chair Hamerly stated his concern is not with the circulation and/or the site plan for the mini storage, but the fact that it is bundled with a tract map that is subdividing the northern parcels and the point of concern is whether we are locking ourselves into three independent uses when the whole purpose of the PD within the Greenspot Corridor was to promote a cohesive master plan type retail commercial establishment that reads over the entire length of the corridor from the freeway all the way to Boulder. If we start breaking those parcels up, especially the street frontage parcels, we are encouraging more disjointed, spot development that breaks apart the cohesiveness of the PD which was the original vision for that corridor.

Kal Farah stated he believes that is why Public Works Director/City Engineer Wong requested they have this reciprocal access and the cohesiveness between all the parcels. They are taking two acres to the south and making it self-storage which makes the traffic count much reduced which should alleviate whatever additional retail comes up from the front properties. When development comes in, the City will require most probably a traffic study at that time when those front parcels come in for their own development.

Chair Hamerly stated this is a public hearing and asked if anyone wished to participate.

David Gandolfi spoke in favor of the project, citing concern about trees on the west side of property potentially allowing people to climb up and into the facility.

Paul DiMarino spoke in favor of the project.

Commissioner Haller stated he shares concern about subdivision or creating three parcels from one winding up with three small projects versus the one large project that was envisioned. He thinks this is a good use for the land. He initially had concerns about fire safety, but the fire department was okay with it. He supports this concept.

Chair Hamerly stated his concern was that they did bundle the application for the tentative tract map with this application, and this is the only time they get to consider whether should it be three parcels or should it remain one parcel, possibly two parcels. In general he believes there is only one suitable development option for this long parcel and that was to basically annex it to the mini storage. He has no reservations with the mini storage portion of the project; it is mainly what is going to happen to the north end of the parcel.

Chair Hamerly asked if there were any additional comments or concerns. Seeing none, the public hearing is closed.

Discussion ensued by the Commission regarding whether they were considering the applicant's suggestion for the deletion of or alternative solutions for the northern extremity landscaping condition along the wall on the main storage parcel.

Scott Rice, City Landscape Architect, stated the setback from Greenspot is pretty significant, which wasn't the primary concern. The distance between the internal driveways is considerably closer than the distance from Greenspot. It is probably within about a hundred feet of that wall. So the visibility of that wall came into question and that is why we flagged that item.

Chair Hamerly asked is it your anticipation that the landscape would be temporary pending development of the northern parcel, or would become a permanent part of the fabric of the northern parcels?

Scott Rice stated the northern parcels, once they are developed, would serve the same purpose as that temporary landscape buffer would be. They envisioned it as not having a blank wall face in such a highly visible location, not knowing the exact timeline of the development of the parcel to the north.

Commissioner Haller stated it was suggested that the trees on the west side might be a climbing ladder to get on to the roof. What is the anticipated height of those trees?

Scott Rice stated there are some California Sycamores that are fairly rapidly growing trees. They do have the ability to be climbed. It would be a function of maintenance to keep the lower limbs high enough that it would become difficult to climb. They would not be opposed to having other species used if that was a concern.

Community Development Director Mainez stated what Scott Rice is telling us is that it is a corner building that is facing an internal circulation facing In n Out and LA Fitness, so he is trying to treat that as a corner element. Both sides of those walls should be landscaped so it looks cohesive. So it is no longer an issue of what you can or cannot see from the right of way from Greenspot, it is more internal.

A MOTION was made by Vice Chair Gamboa, seconded by Commissioner Haller, to:

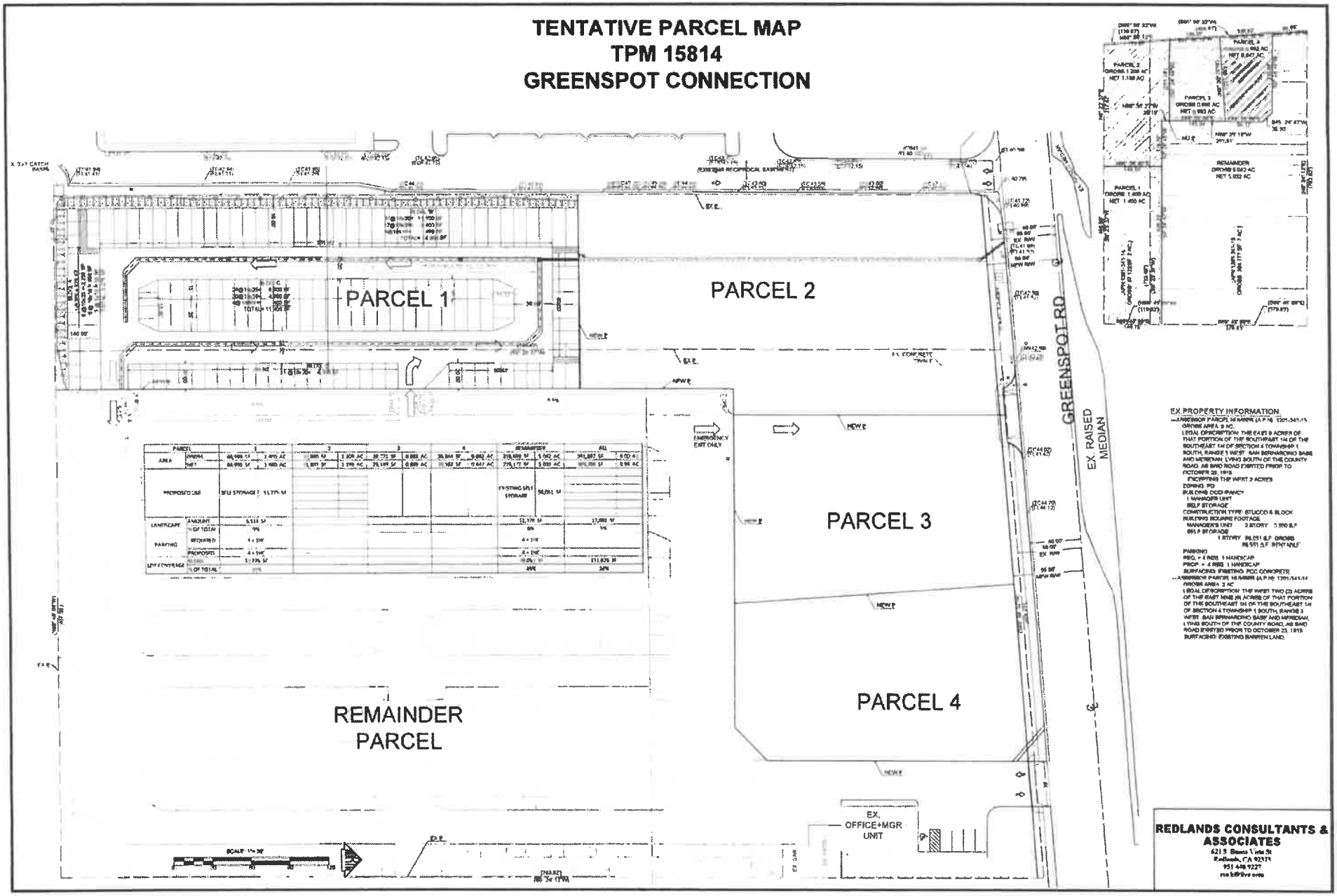
1. Adopt Resolution No. 2018-011 approving Conditional Use Permit CUP-17-003, Design Review Application DRA-18-005, and Tentative Parcel Map 15814 (TPM-18-004), subject to the Conditions of Approval (with amended Engineering Conditions) and Findings of Fact; and
2. Direct Staff to file a Notice of Exemption. Motion carried, 5-0.

Attachment 4:

Project Plans

SITE PLAN

TENTATIVE PARCEL MAP
TPM 15814
GREENSPOT CONNECTION



PRELIMINARY LANDSCAPE PLAN

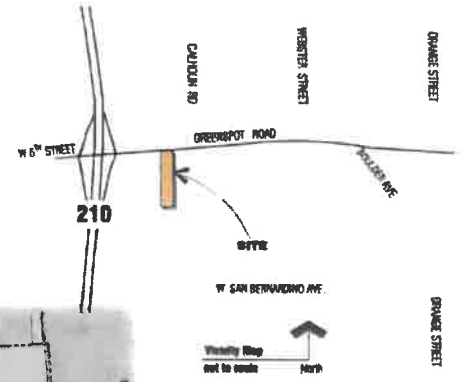
SELF-STORAGE EXPANSION

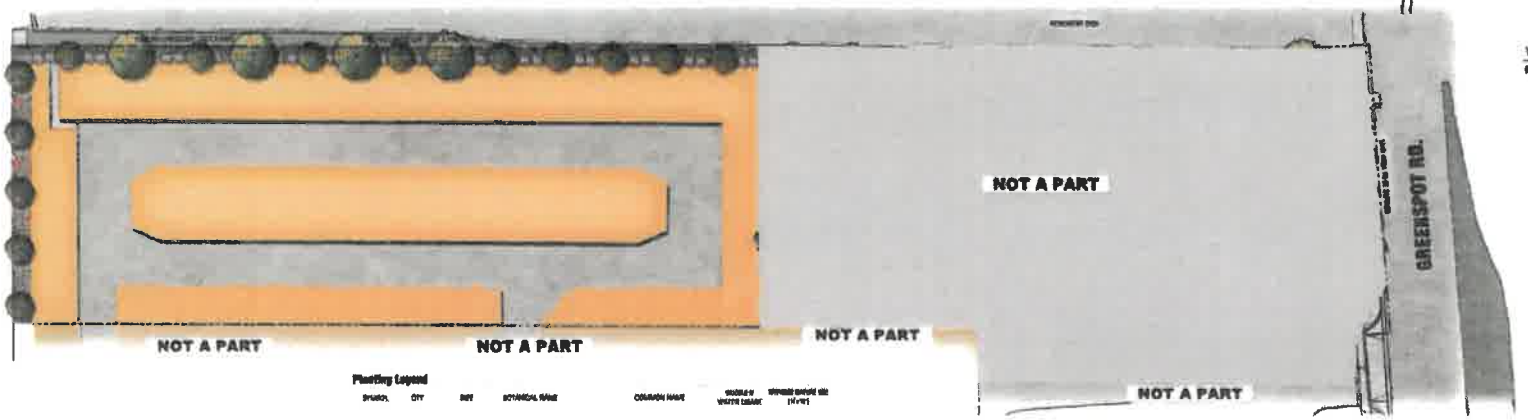
CONCEPTUAL LANDSCAPE PLAN

GREENSPOT ROAD
HIGHLAND, CALIFORNIA 92324

ON-SITE LANDSCAPE AREA 5,514 SF
TOTAL LANDSCAPE AREA 5,514 SF

OWNER:
FIRST CAPITAL HOLDING, LLC.
CONTACT: KHALED FARAH
621 S. BUENA VISTA ST
REDLANDS, CA 92373
CELL: (951) 440-9227
PHONE (909) 271-3135





Planting Legend

Symbol	QTY	SIZE	BOTANICAL NAME	COMMON NAME	MATURE HEIGHT & SPREAD
	14	15 Gal.	Melaleuca nesophila	Cajeput Tree	25' ft. 25' ft.
	4	15 Gal.	Pistacia chinensis	Chinese Pistache	35' ft. 25' ft.
	23	5 Gal.	Leucophyllum langmaniae	Texas Ranger	6' ft. 6' ft.
	2,884 Sq. Ft.	1 Gal. 36" o.c.	Rosmarinus officinalis 'Prostratus'	Dwarf Rosemary Groundcover	18" ft. 6ft
	2,193 Sq. Ft.	1 Gal. 48" o.c.	Pyracantha koidzumii 'Santa Cruz'	Santa Cruz Firethorn	2 ft. 8' ft

NO SUBSTITUTIONS. SPECIES OR VARIETY CONTRACTOR ASSUMES ALL RESPONSIBILITY FOR ALL ISSUES RESULTING FROM SUBSTITUTIONS. DESIGN WAS CREATED USING EXACT VARIETY INDICATED.

IF SUBSTITUTIONS ARE NECESSARY, CONTRACTOR MUST CONTACT LANDSCAPE ARCHITECT FOR SUBSTITUTION APPROVAL.

A 3" DEEP LAYER OF SHREDDED BARK MULCH SHALL BE PLACED IN ALL PLANTING BEDS.

PLANT COUNTS ARE FOR BIDDING PURPOSES ONLY. CONTRACTOR SHALL BE RESPONSIBLE FOR EXACT COUNT PER PLAN.

ALL ABOVE GROUND UTILITIES AND IRRIGATION EQUIPMENT SHALL BE SCREENED.

CONCEPTUAL LANDSCAPE NOTES:
*No new turf is proposed for this project.
*All landscape areas to be equipped with an underground automated irrigation system with low-flow emitters.

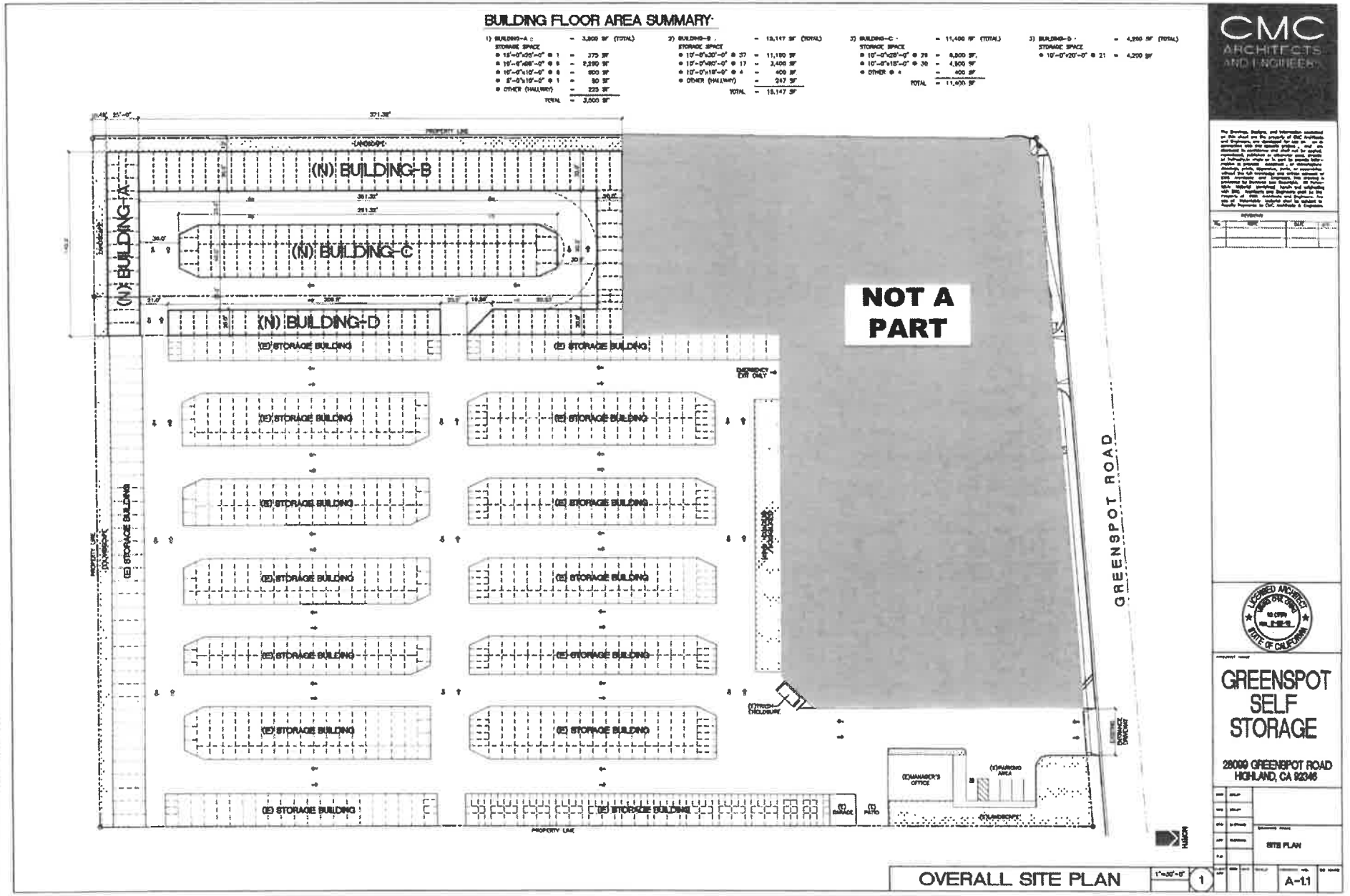
Landscape Plan
Scale: 1" = 20' North

6/5/2017
Expiration Of: 08-2019

JOB: 17-12 LICD CKE

RICHARD POPE
Landscape Architecture
Urban Design & Planning
1585 South "D" Street, Suite 103
San Bernardino, CA 92408
phone: (909) 888-5568
fax (909) 384-9654
e-mail: rpla.la@verizon.net
Richard Pope, Landscape Architect CA# 2664

ELEVATIONS & FLOOR PLAN
NEW SELF STORAGE



CMC ARCHITECTS AND ENGINEERS

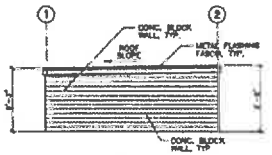
LICENSED ARCHITECT — STATE OF CALIFORNIA

GREENSPOT SELF STORAGE

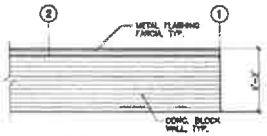
28099 GREENSPOT ROAD
HIGHLAND, CA 92346

SITE PLAN

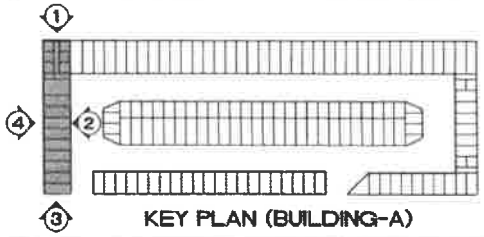
A-1.1

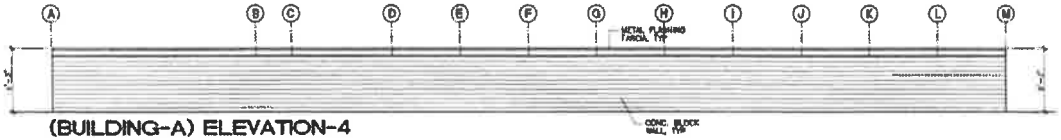


(BUILDING-A)
ELEVATION-3

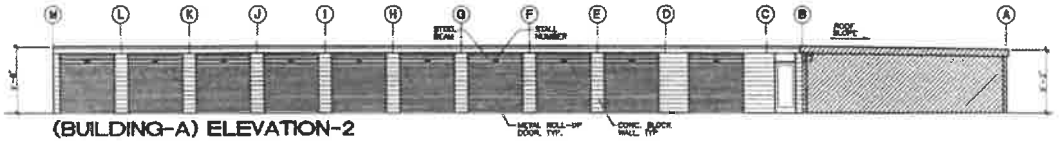


(BUILDING-A)
ELEVATION-1





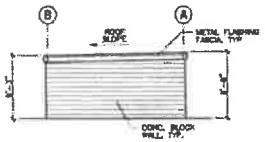
(BUILDING-A) ELEVATION-4



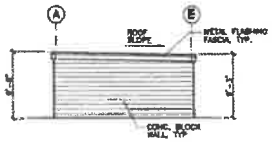
(BUILDING-A) ELEVATION-2

-ALL PROPOSED BUILDINGS' MATERIAL/S TO MATCH EXISTING.
-ALL PROPOSED BUILDINGS' TO MATCH EXISTING (IN HEIGHT AND SIZE).

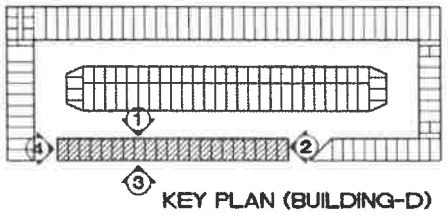
EXTERIOR ELEVATIONS (BUILDING-A) 1/8"=1'-0" SCALE 2

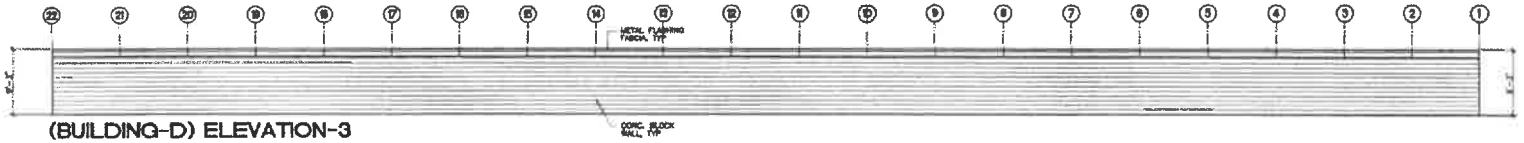


(BUILDING-2)
ELEVATION-2

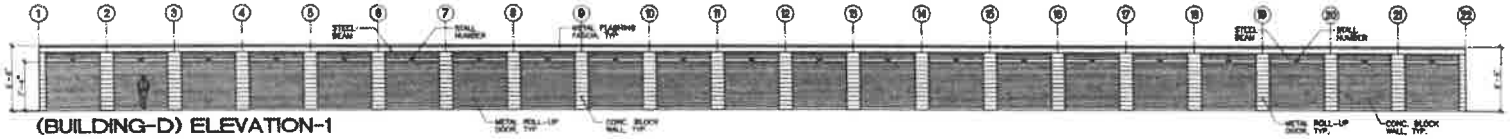


(BUILDING-2)
ELEVATION-4





(BUILDING-D) ELEVATION-3



(BUILDING-D) ELEVATION-1

EXTERIOR ELEVATIONS (BUILDING-D) 1/8"=1'-0" SCALE 1

CMC ARCHITECTS AND ENGINEERS

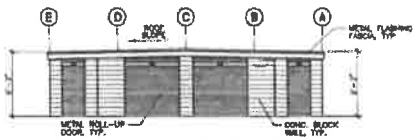
LICENSED ARCHITECT REGISTERED PROFESSIONAL ENGINEER STATE OF CALIFORNIA

GREENSPOT SELF STORAGE

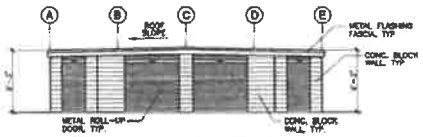
28099 GREENSPOT ROAD
HIGHLAND, CA 92346

EXTERIOR ELEVATIONS BUILDING A and D

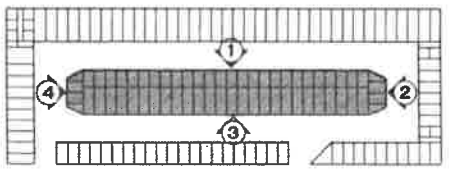
A-3.0



(BUILDING-C) ELEVATION-2



(BUILDING-C) ELEVATION-4



KEY PLAN (BUILDING-C)

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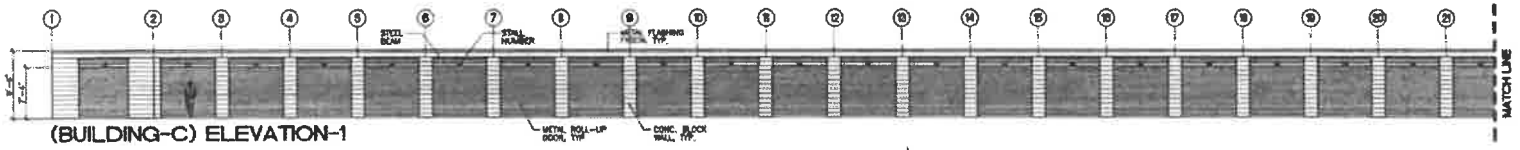
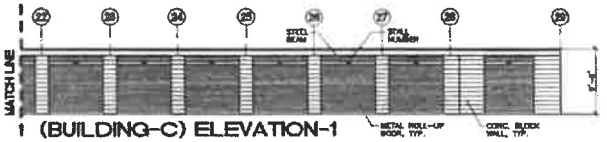
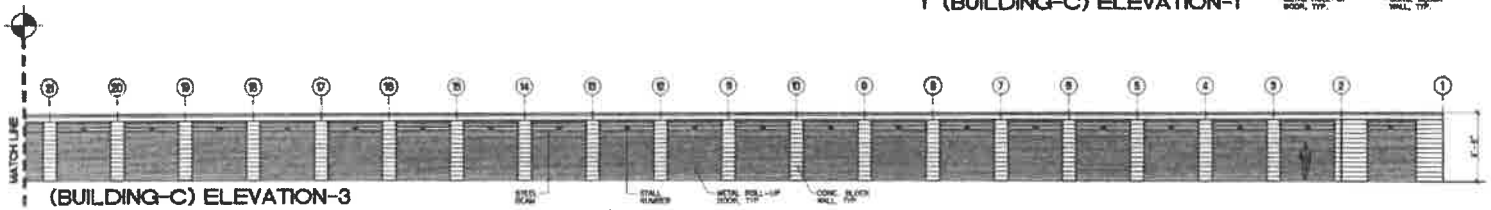
-ALL PROPOSED BUILDINGS' TO MATCH EXISTING (IN HEIGHT AND SIZE).



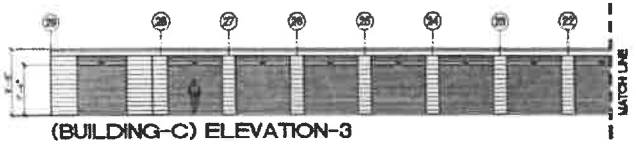
(BUILDING-C) ELEVATION-1



(BUILDING-C) ELEVATION-1



(BUILDING-C) ELEVATION-3



(BUILDING-C) ELEVATION-3

EXTERIOR ELEVATIONS (BUILDING-C)

1/8"=1'-0" SCALE

1

CMC ARCHITECTS AND ENGINEERS

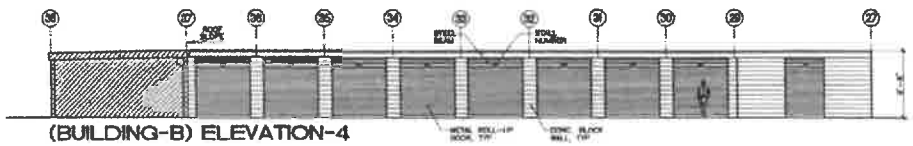
LICENSED ARCHITECT — STATE OF CALIFORNIA

GREENSPOT SELF STORAGE

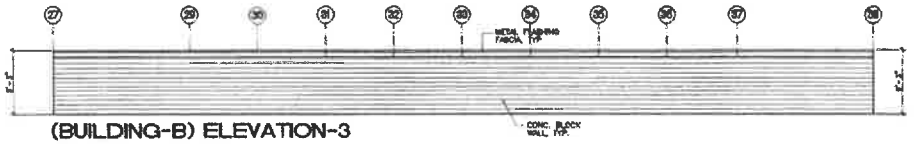
28099 GREENSPOT ROAD
HIGHLAND, CA 92346

EXTERIOR ELEVATIONS BUILDING C

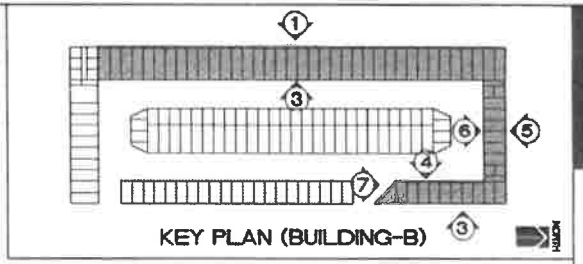
A-3.1



(BUILDING-B) ELEVATION-4



(BUILDING-B) ELEVATION-3



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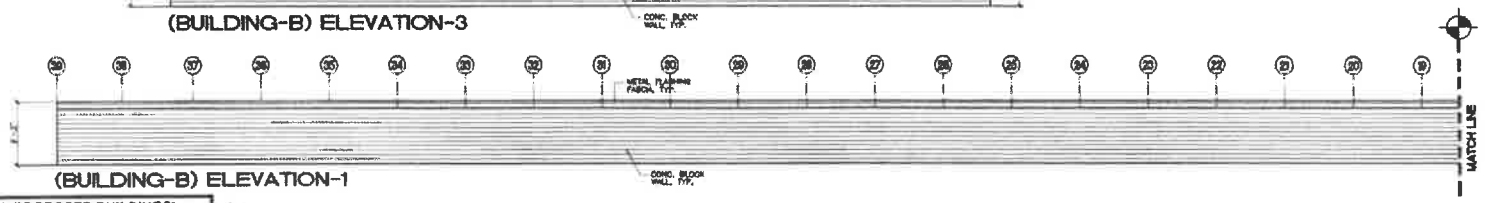

(BUILDING-B) ELEVATION-1

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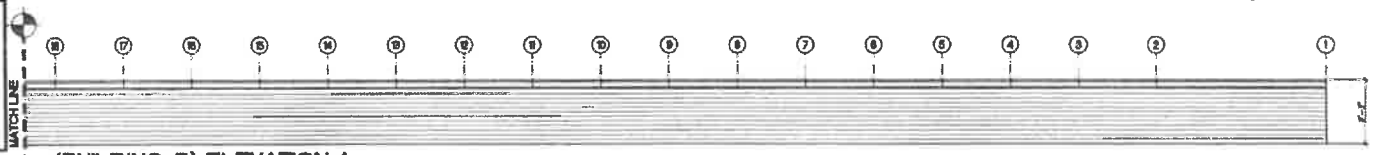
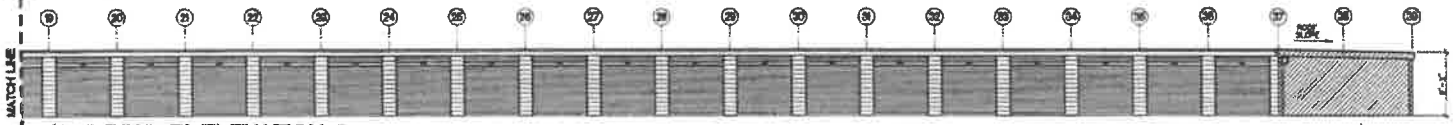
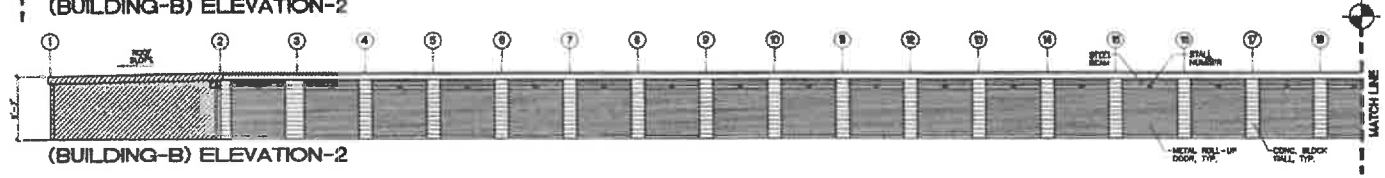


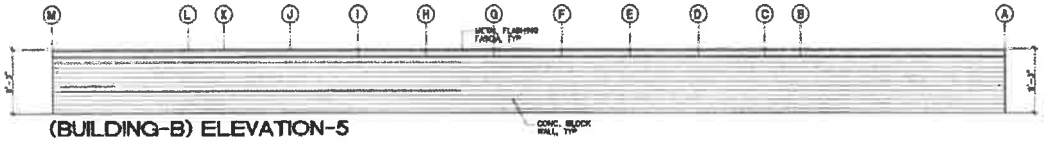
(BUILDING-B) ELEVATION-1



(BUILDING-B) ELEVATION-2

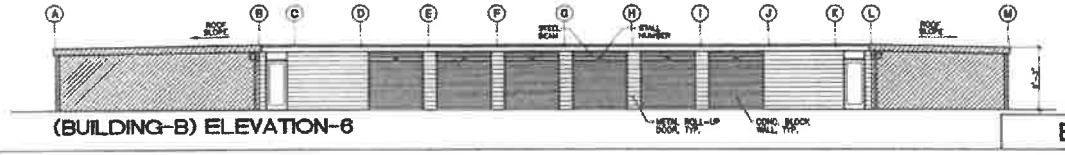


(BUILDING-B) ELEVATION-2



(BUILDING-B) ELEVATION-5

(BUILDING-B) ELEVATION-7



(BUILDING-B) ELEVATION-6

EXTERIOR ELEVATIONS (BUILDING-B)

1/8"=1'-0" SCALE

1

CMC ARCHITECTS AND ENGINEERS

LICENSED ARCHITECT — REGISTERED PROFESSIONAL — STATE OF CALIFORNIA

GREENSPOT SELF STORAGE

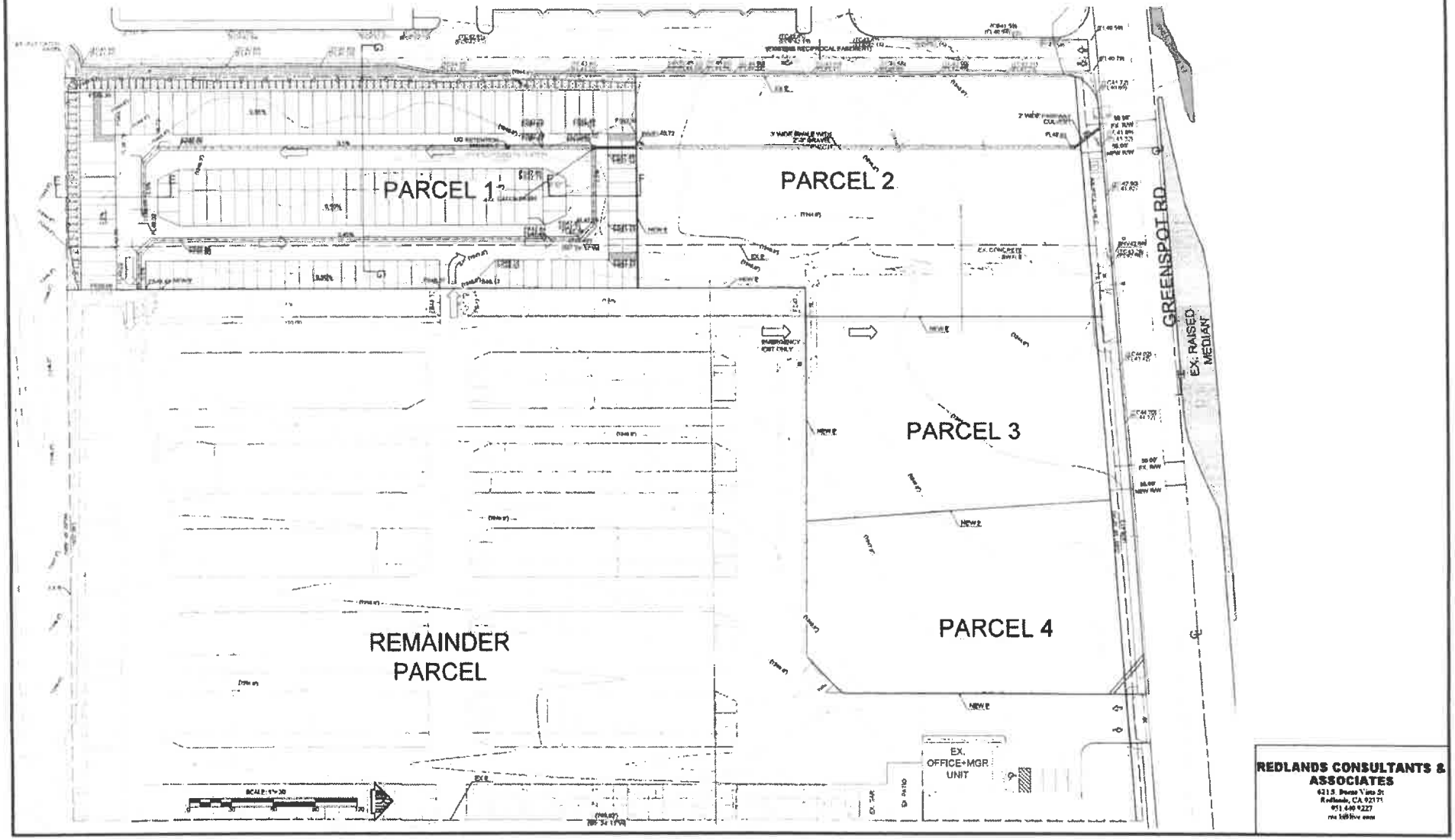
28099 GREENSPOT ROAD
HIGHLAND, CA 92346

EXTERIOR ELEVATIONS BUILDING-B

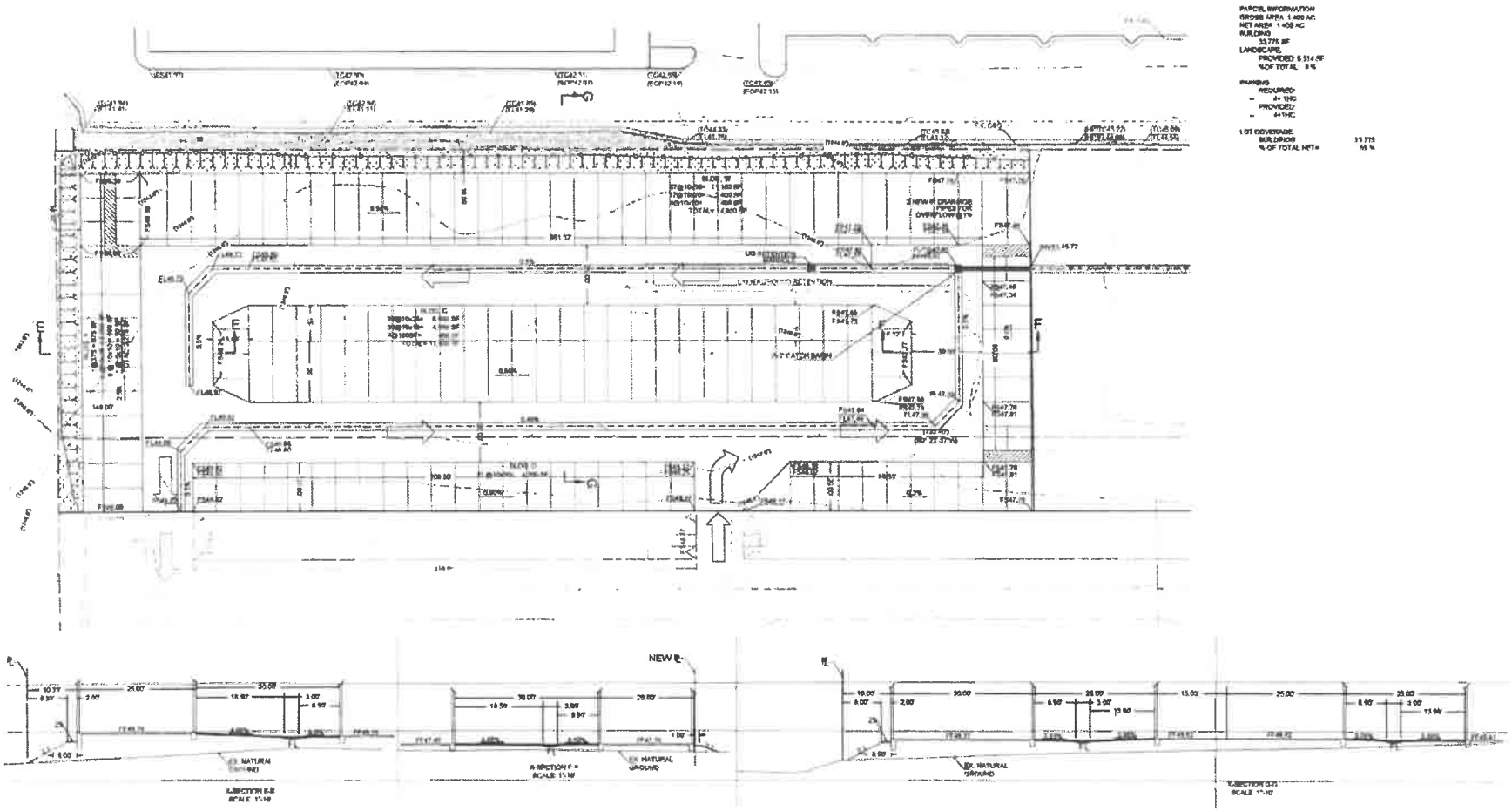
A-3.2

PRELIMINARY GRADING PLANS

GREENSPOT CONNECTION CONCEPTUAL GRADING PLAN



GREENSPOT CONNECTION CONCEPTUAL GRADING PLAN
NEW SELF STORAGE PORTION



REDLANDS CONSULTANTS & ASSOCIATES
621 S Buena Vista St
Redlands, CA 92373
951 490 9227

EXISTING ELEVATIONS

UNIVERSAL
SELF STORAGE
28099

Attachment 5:

PC Resolution No. 2022-___

approving Extension of Time (EXT 22-002)

RESOLUTION NO. 2022 – ____

A RESOLUTION OF THE PLANNING COMMISSION OF THE CITY OF HIGHLAND APPROVING A ONE (1) EXTENSION OF TIME (EXT 22-002) FOR CONDITIONAL USE PERMIT (CUP 17-003) AND DESIGN REVIEW APPLICATION (DRA 18-005), TO ACCOMMODATE A 33,775 SQUARE FOOT EXPANSION OF AN EXISTING SELF-STORAGE FACILITY LOCATED AT 28031 AND 28099 GREENSPOT ROAD, HIGHLAND.

ASSESSOR'S PARCEL NUMBER: 1201-341-14

APPLICANTS: UNIVERSAL SELF STORAGE HIGHLAND LP AND AYSAR HELO

A. RECITALS

1. On August 21, 2018, the Planning Commission adopted Resolution No. 18-011, approving Conditional Use Permit (CUP 17-003), Design Review Application (DRA 18-005), and Tentative Parcel Map No. 15814 (TPM 18-004), to permit the expansion of an existing self-storage business and land subdivision located at 28031 and 28099 Greenspot Road, Highland.

2. Pursuant to the California Environmental Quality Act, the project was determined to be Categorically Except from CEQA per Class 32, Section 15332. *Infill Development Projects*. A Notice of Exemption was filed with the San Bernardino County Clerk of the Board of Supervisors on August 24, 2018, Receipt Number 36-08242018-548. No further environmental review is required.

3. The subject entitlements were valid for a period of three years, expiring on August 21, 2018.

4. Subject to the provisions of the Highland Municipal Code, the Applicants filed for a one-year Extension of Time for the entitlements, requesting the expiration be extended to August 21, 2022.

5. On November 2, 2021, the Planning Commission adopted Resolution No. 2021-19, approving an Extension of Time (EXT 21-002) application for a one (1) year extension of Conditional Use Permit (CUP 17-003), Design Review Application (DRA 18-005), and Tentative Parcel Map No. 15814 (TPM 18-004), extending the expiration dates of each entitlement to August 21, 2022.

6. In July of 2022, the Applicant informed Staff that Tentative Parcel Map No. 15814 (TPM 18-004) for the subdivision of two (2) existing parcels into four (4) new parcels was recorded.

7. In July of 2022, the Applicant submitted a second Extension of Time (EXT (22-002) application to extend the expiration date of Conditional Use Permit (CUP

17-003) and Design Review Application (DRA 18-005) an additional one (1) year to August 21, 2023.

8. All legal prerequisites to the adoption of this Resolution have occurred.

B. RESOLUTION

NOW THEREFORE, it is hereby found, determined and resolved by the Planning Commission of the City of Highland as follows:

Section 1. The Planning Commission finds that all of the facts set forth in the Recitals, Part "A" of this Resolution, are true and correct.

Section 2. Based upon substantial evidence presented to the Planning Commission during the September 20, 2022, Public Hearing, including public testimony and written and oral Staff Reports, the Planning Commission finds as follows:

a. All necessary Public Meetings and opportunities for public testimony and comment have been conducted in compliance with State Law and the Municipal Code of the City of Highland.

Section 3. Findings of Fact

a. The Planning Commission finds that the Findings of Fact made in Resolution No. 2022-____ on September 20, 2022 for Conditional Use Permit (CUP 17-003) and Design Review Application (DRA 18-005 are true and correct and uphold all previous findings as stated in the adopted Resolution No. 2021-19.

b. Granting of the extension will not be detrimental to the public health, safety, or welfare or materially injurious to properties or improvements in the vicinity.

Section 4. Based on the Findings of Fact and Conclusions set forth above, the Planning Commission recommends approval of Extension of Time Application No. 22-002, subject to the original conditions of approval, granting a one (1) year Extension of Time, to August 21, 2023, for Conditional Use Permit (CUP 17-003) and Design Review Application (DRA 18-005) facilitating a 33,775 expansion of an existing self-storage facility.

C. ADOPTION OF RESOLUTION.

The City Clerk shall certify to the adoption of this Resolution and shall cause the same to be published or posted in the manner prescribed by law.

PASSED, APPROVED AND **ADOPTED** this 20th day of September, 2022.

ATTEST:

Randall Hamerly, Chairman
Planning Commission

Lawrence A. Mainez,
Community Development Director

STAFF REPORT

TO THE PLANNING COMMISSION

DATE: September 20, 2022

FROM: Lawrence A. Mainez, Community Development Director

REVIEWED BY: Kim Stater, Assistant Community Development Director KS

PREPARED BY: Ash Syed, Associate Planner AS

SUBJECT: Conditional Use Permit (CUP 22-003) to permit the development of a 90,532 square foot warehouse and associated improvements, Design Review Application (DRA 22-008) for the Site Plan, Building Elevations, Grading Plan and Conceptual Landscape Plan, Tentative Parcel Map (TPM 22-009) to combine four (4) parcels into one (1), and Variance (VAR 22-003) allowing the warehouse building to exceed the maximum building height permitted in the Business Park Zone by fourteen (14) feet.

LOCATION: A 4.24 acre site on the east side of Grape Street, approximately 200 feet south of Cypress Street.
Assessor's Parcel Numbers: 1192-261-11, 12, 23, & 24.

OWNER: Patriot Partners, LLC

REPRESENTATIVE Herdman Architecture & Design

RECOMMENDATION: Staff recommends the Planning Commission:

1. Adopt Resolution No. 2022 - _____ approving Conditional Use Permit CUP-22-003 for the development of a 90,532 square foot warehouse and associated improvements, subject to the Conditions of Approval, and the Findings of Fact;

Approved _____	Motion _____	Second _____	Agenda Item No. 3
Denied _____	Ayes _____		
	Noes _____		File No. _____
Continue _____	Abstain _____		
	Absent _____		
_____ Recording Secretary		_____ Community Development Director	

2. Adopt Resolution No. 2022- ___ approving Design Review Application (DRA 22-008) for the project's Site Plan, Building Elevations, Grading Plan and Conceptual Landscape Plan, subject to the Conditions of Approval, and the Findings of Fact;

3. Adopt Resolution No. 2022-___ approving Tentative Parcel Map (TPM 22-009) to combine four (4) parcels into one (1), subject to the Conditions of Approval, and the Findings of Fact;

4. Adopt Resolution No. 2022 - _____ approving Variance (VAR 22-003) to allow the warehouse building to exceed the maximum building height permitted in the Business Park Zone by fourteen (14) feet; and

5. Adopt Resolution No. 2022-___ certifying the associated Mitigated Negative Declaration (ENV 22-005), and direct staff to file a Notice of Determination with the County Clerk of the Board.

FISCAL IMPACT: The Applicant submitted the required deposit for processing the entitlements. Staff time spent working on the applications is charged to this balance. In addition, the developer will be required to pay Development Impact Fees (DIFs) to offset the costs of public facilities and infrastructure and construct on- and off-site improvements related to the development.

PUBLIC NOTICE: On August 31, 2022, a Public Hearing Notice was posted on the City's website, and mailed to the property owners within 300 feet of the project site and to parties requesting notice. The Notice was published in the San Bernardino Sun newspaper on September 9, 2022. The Planning Commission Agenda was posted at the City's three designated posting locations on September 15, 2022.

PUBLIC COMMENT: Staff received one (1) phone inquiry from a resident within the 300-foot radius of the project. The resident expressed general concern over the development of a warehouse in an otherwise primarily residential area. The resident claimed to Staff that the City's zoning for the project site is incorrect and this warehouse should not be permitted as the existing site comprises of residential homes and is thus, zoned for residential. Staff explained to the resident that the four (4) parcels, along with the rest of the block, are zoned for Business Park (BP) but feature legal, non-conforming residences. Staff also conveyed to the resident that the City's goal for the Victoria Avenue Corridor is to slowly transition to Business Park uses. The resident expressed general detest for the City's objective.

Staff also explained to the resident that the project proposal had been thoroughly reviewed and that any potential impacts had been addressed with mitigation measures within the Initial Study/Mitigated Negative Declaration, which was available at City Hall and on the City's website for their viewing.

A letter from the Southwest Regional Council of Carpenters was also received on September 9, 2022 expressing their support for the project.

DESCRIPTION OF THE SITE: The proposed site is currently comprised of four (4) parcels, all of which are accessible from Grape Street. As mentioned, the parcels had each previously been utilized for single-family homes constructed in 1994, 1957, 1950, and 1932. Each of these homes will undergo demolition prior to the start of construction (Exhibit A – Area Map).

The overall vicinity is relatively flat, sloping gradually to the southwest. The site itself is zoned for Business Park (BP), as the four homes currently on the site are considered legal non-conforming, per the City's provisions for single-family homes within non-residential zones. As mentioned, the general area is in transition from its older residential uses, developed prior to the City's incorporation in 1987, to Business Park/Airport-related uses that align with the vision for the Victoria Avenue Corridor, which spans from Highland Avenue to the San Bernardino International Airport.

The Victoria Avenue Corridor is the *"primary, passenger entryway into the San Bernardino International Airport from the [SR]-210, new lands use patterns will need to be established to take advantage of future commercial opportunities, improve traffic and provide future development opportunities along Victoria Avenue."* While this site itself does not feature any frontage along Victoria Avenue, the parcels are included within the Victoria Avenue Corridor, as identified in the General Plan Land Use Element (Exhibit B – General Plan Excerpt of Victoria Avenue Corridor).

Surrounding Land Uses

North: Existing Legal, Non-Conforming Residential Homes along Cypress Street
South: Existing Legal, Non-Conforming Residence (1) and a Future Warehouse (Under Construction)
East: Existing Legal, Non-Conforming Residential Homes along Victoria Avenue
West: Existing Legal Residential Homes and Vacant Land

Location	General Plan	Zoning
North:	Business Park (BP)	Business Park (BP)
South:	Business Park (BP)	Business Park (BP)
East:	Business Park (BP)	Business Park (BP)
West:	Low Density (LD)	Single-Family Residential (R-1)

PROJECT REVIEW:

Conditional Use Permit

Site Plan

The proposed layout of the building features 90,532 square feet of interior space, twelve (12) loading docks along the south side, and seventy (70) passenger vehicle parking along the north side as well as the remainder of the south side of the site. Per the Highland Municipal Code Section 16.24.040 Employment district development standards, the project is subject to a 20-foot setback area along each side of the property. Additionally, where onsite parking is proposed within the dedicated landscaped setback area, the portion may be split into 10-feet of landscaping at the property line and an additional 10-feet of landscaping along the building front. The proposed site design satisfies said criteria with a 20-feet fully landscaped setback along the Grape Street frontage to the west, a fully landscaped area between the truck docks and residence to the south, and a split landscaping arrangement within the passenger parking lots along the northern and southern boundaries. The project will also construct on-site and off-site improvements that include utilities, storm drain facilities, irrigation, hardscape, trash enclosures, as well as perimeter walls and gates (Exhibit C – Site Plan).

Access

There are two points of access proposed on the site; both off Grape Street one at the south and north side of the project frontage of Grape Street. The access points to Grape Street will be right in/ out and left in/ out for passenger vehicles, but trucks will be restricted to right in and left out only. The future signalized intersection of 6th Street and Victoria Avenue, will permit trucks to make a left onto westbound 6th Street and northbound on Victoria Avenue at the signalized intersection.

As mentioned, the building features twelve (12) dock hi doors along the southern face, not visible from the public right-of-way. There is a two-story, 5,000 square foot office located at the southwest corner of the building.

A trash enclosure is located along the southern property line, just east of the passenger vehicle parking spaces. Measuring 26' x 12', the enclosure will be finished with painted tilt-up screen walls, steel gates and steel roof covering and will be conditioned to comply with the City's most current design criteria.

Parking

The Municipal Code requires industrial warehouses to provide one (1) parking stall per 1,000 square feet of interior space and one (1) parking stall per 250 square feet of office space. Thus, the site would be required to provide 106 total spaces:

Proposed Use:	Size	Parking Ratio	Parking Required	Parking Proposed
Warehouse	85,532 sf	1 space /1000 sf	86	57
Office/Mezzanine	5,000 sf	1 space /250 sf	20	13
Total	187,870 sf	-	**106**	**70**

Passenger vehicle parking depicted on the Site Plan shows 70 parking spaces; 55 of which are standard, 1 dedicated to vanpool, 2 standard ADA, 4 clean air vehicles, 5 electric vehicles, and 3 spaces for ADA compliant electric vehicles, ADA compliant electric vans, and traditional ADA compliant vans, respectively. Per the municipal code requirements, this is an overall deficit of 36 spaces (106 spaces required as opposed to the 70 proposed).

The Applicant considers the City's parking standards to be in excess of typical warehousing needs and has provided a parking study for consideration by the Planning Commission to reduce the requirement per the Municipal Code. The Applicant studied two (2) similar facilities within three (3) miles of the site: a 297,860 square foot warehouse building in San Bernardino, at the southeast corner of Central Avenue and Tippecanoe Avenue, and a 326,920 square foot warehouse building in Redlands, at the southeast corner of Nevada Street and Almond Avenue. The warehouses provide 197 and174 onsite parking spaces respectively at each location.

On February 2nd and 3rd of 2021, the Applicant's traffic consultant analyzed the peak demand at each location. The results determined that the highest observed occupied onsite parking demand between the two sites on those two days was 112 of the 197 parking spaces at the 297,860 square foot warehouse in San Bernardino. This equates to 1 parking space for every 2,660 square feet of warehouse space. Per this calculation of the highest observed parking rate during the analysis, the estimated peak demand for the 90,532 square foot warehouse would be 35 spaces (Exhibit D – Parking Analysis).

Staff supports the parking study along with its findings that 70 spaces will be suitable to serve the site.

Noise

The neighborhood surrounding the project consists of residential homes to the north, south, east and to the west across Grape Street. Special consideration is taken to ensure these sensitive noise receptors will not have significant impacts as a result of the project's construction and continued operation.

Noise and vibrations are studied in Section 3.13 of the Initial Study beginning on Page 79. The report reviews Federal, State and Local standards. Appendix G, the Phase I Environmental Site Assessment, contains data on Construction Noise Modeling, Equipment Specifications and Noise Calculations, and Traffic Noise Data and Calculations.

The acceptable noise level is between 55 and 60 respective of the time of day. As measured from the surrounding residences, the noise levels may reach 62.7 dBA at peak, which is still within 5 dBA of the acceptable range and thus no significant impact related to noise is assumed to occur as a result of the project. The details are enumerated in Section 3.13.

With respect to construction noise, hours will be limited by the Building & Safety Division to 7:00 am to 7:00 pm Monday through Saturday. Construction noise will most greatly affect the residents directly to the north, south, and east. During the most intensive construction, demolition, the 8-hour noise levels are 80 dBA, which meets, but does not exceed, the maximum level provided by the Federal Transit Administration's guidance document used as a local reference. The project is compliant with standards for both operational and construction noise.

Photometrics

Parking lot lights include pole mounted "Valulume Series PLED" and "Razar Series LED" lights within the parking lot and truck route with "Razar Wall mount LED" lights installed on the building itself. All three (3) products are constructed of precision cast aluminum frame, stainless steel hardware, and feature a polyester powder coat finish. The Photometric Study is included in the plan set, labeled E-FC. The site is well illuminated at its access points, along the building, parking lot and loading docks. The plan satisfies Section 16.48.080 *Light and glare* of the Highland Municipal Code (Exhibit E – Photometric Plan).

Variance

The maximum building height permitted in the Business Park (BP) zone is thirty-five (35) feet. The Applicant has proposed an overall building height of forty-three (43) feet with a maximum height of forty-nine (49) feet for the office portion at the southwest corner of the building, which exceed the height limit by fourteen (14) feet (40%). A major

variance is required should the project be approved as depicted by the Building Elevations.

The Applicant provided findings that describe the reasoning behind the additional height, explaining internal clear heights of thirty-six (36) feet to accommodate, *"joists, lights and sprinkler systems"* as well as *"4-5 feet to reach the roof of the structure"*, and *"an additional 4-5 feet above the roof line to screen roof-mounted equipment, such as HVAC systems."* Per the findings, the building is proposed at the minimum height demanded by the market and should the project be developed with a clear height of thirty (30) feet, the warehouse would lose approximately 30% of its storage capacity, drastically reducing its usability.

Design Review:

Building Elevations

The building type is a tilt up concrete warehouse, 384' x 252' in footprint, and forty-three (43) feet in height. The exterior has a unique, modern style featuring a glass entrance to the office at the southwest corner of the site, which extends to a height of forty-nine (49) feet, the walls are a primarily concrete formliner, black metal paneling around the southwest corner entrance, with a combination of white (Sherwin Williams "Superwhite") and black (Sherwin Williams "Peppercorn") around the trucking bays. There are also several charcoal anodized metal brows placed at various locations along the building siding on the concrete formliner to provide aesthetic variety.

The two (2) corners of the building visible to the general public are clad with an aluminum frame consisting of blue reflective glazing and black anodized mullion. Additionally, the corners are accented with blue LED underlighting and clear anodized metal decorative brows (Exhibit F – Elevations).

Grading Plan

The site is relatively flat, sloping down slightly to the southwest. Once graded, the elevation will fall approximately five (5) feet from the northwest to southeast. Roof drains and catch basins are located throughout the property bringing surface water to the stormwater management basin located underground, below the loading/unloading docks lot at the southeast corner of the site (Exhibit G – Grading Plan).

The project will connect to existing water and sewer lines along Grape Street. The project has also been conditioned to construct curb, gutter, and sidewalk along the Grape Street frontage in addition to the undergrounding of existing overhead utility lines and removal of utility poles.

Landscape Plan

The project's Conceptual Landscape Plan features a variety of evergreen and deciduous trees in addition to groundcover. The Desert Willow and Chitalpa trees are deciduous varieties that offer attractive orchid-like pink flowers. Proposed evergreen trees consist of Blue Palo Verde, African Sumac, and Brisbane Box varieties. Shrubs include the Dwarf Bottlebrush, Mexican Sage and Autumn Sage with its colorful red flowers. Accent flora comprises of Blue Glow Agave, Coral Aloe, and Soap Aloe. Lastly, groundcover throughout the site will be Dwarf Acacia, Lantana, Pink Muhly, and Prostrate Rosemary, all of which are considered to be drought tolerant with low water consumption rates.

The Blue Palo Verde and Chinese Pistache trees are the primary species with additional Desert Willow trees along the Grape Street frontage. Afghan Pine and Brisbane Box trees are proposed along the interior drive aisle of the site. African Sumac and Chitalpa trees are proposed within the parking lot planters alongside the building. The full project frontage along Grape Street shall be landscaped with a twenty (20) foot planter area. Lastly, there are additional landscape planters between every eight (8) parking spaces within the general parking area along the northern and southern parking areas, satisfying the requirement per the City's Parking Regulations.

The Landscape Plan was reviewed by the City's Landscape Architect and found to be suitable for a light industrial warehouse use as it relates to tree shade and spacing. However, additional attention shall be given to complement the unique design character of the building particularly near vehicular entrances (Exhibit H – Landscape Plan).

Walls and Fences

A ten (10) foot tall screen wall will be constructed along the southern and eastern perimeters, shielding the adjacent existing residential developments on the south and east from the loading/unloading of semi-trucks at the southeast corner of the site. The project has also been conditioned to construct a six (6) foot tall block wall around the remainder of the site, as a barrier between adjacent residences and the onsite parking areas and internal drive aisle. Additional landscaping will be installed adjacent to each wall to soften its exposure. These walls and gates are consistent with the Municipal Code standards for fences and walls within the Business Park Zone (Exhibit I – Fence & Wall Plan).

Tentative Parcel Map

Prior to the development of this site, the Applicant is required to consolidate the four (4) separate parcels and create one (1) individual parcel in order to construct this

warehouse/distribution center. The proposal satisfies the standards established by the Subdivision Map Act as well as the Section 16.68 – Subdivisions, of the Highland Municipal Code

ENVIRONMENTAL REVIEW: An Initial Study was prepared for the project and potential impacts to air quality, biological resources, tribal/cultural resources, as well as geology and soils were identified. Project specific mitigation measures have been included to reduce said impacts to below a level of significance and the list of measures have been included in the Mitigation Monitoring and Reporting Program. (MMRP)

A Notice of Intent to Adopt a Mitigated Negative Declaration (MND) was circulated through the California State Clearinghouse and made available for public comment between August 22, 2022 and September 11, 2022. The Notice was mailed to surrounding property owners within 300 feet as well as interested agencies and parties at their request. The Notice was also posted on the City's website, outside City Hall, the Sam J. Racadio Library and Environmental Learning Center, and Fire Station #1.

Based upon the Findings of the Initial Study and adoption of the Mitigation Measures, the Project will not have a significant impact upon the environment. Staff recommends adoption of a Mitigated Negative Declaration and Mitigation Monitoring and Reporting Program.

CONCLUSION: This project is located within the Victoria Avenue Corridor. As aforementioned, the Corridor is a policy area given special consideration in the General Plan as it undergoes a transition from large lot single-family residences to various mixed uses that capitalize on new land use patterns, commercial opportunities, and improved traffic facilities.

While adjacent to an existing residential area, the project is located toward the southern end of the corridor, near a gateway to the San Bernardino International Airport. General Plan Goal 10.2 seeks to create an attractive and visually unified major arterial corridor with specialized streetscape and landscape improvements. General Plan Goal 10.8 seeks to ensure that development is professional and aesthetically pleasing in appearance through coordinated site planning and architectural design.

The design satisfies the intent of General Plan Goal 10.8 Policy 10.8.2, which encourages contemporary, clean and distinctive buildings with clearly visible entrances, as well as General Plan Goal 10.8 Policy 10.8.3, to avoid long, blank building walls by incorporating vertical and/or horizontal façade articulation and modulation and varying use of color, materials and landscaping. It also consolidates four (4) smaller lots into one (1) large parcel to create a more versatile, functional use. Parking and service areas are screened from public view with walls and landscaping and berms and existing overhead utility lines will be undergrounded. The building is also set back nearly forty-six (46) feet from adjacent residential uses while also providing a bold, modern

aesthetic appearance along Grape Street. Lastly, the project fulfills the development standards established by the Municipal Code with consideration given to the reduction in parking and increased building heights. Staff recommends approval of Conditional Use Permit (CUP 22-003), Design Review Application (DRA 22-008), Tentative Parcel Map (TPM 22-009), and Variance (VAR 22-003), subject to the Conditions of Approval and Findings of Fact.

EXHIBITS:

1) Area Map
2) General Plan Excerpt of Victoria Avenue Corridor
3) Site Plan
4) Parking Analysis
5) Photometric Plan
6) Elevations
7) Grading Plan
8) Landscape Plan
9) Fence & Wall Plan

ATTACHMENTS:

1) Resolution No. 2022-____ for Conditional Use Permit (CUP 22-003)
   Exhibit A: Conditions of Approval (CUP 22-003)
2) Resolution No. 2022-____ for Design Review Application (DRA 22-008)
   Exhibit A: Conditions of Approval (DRA 22-008)
3) Resolution No. 2022-____ for Tentative Parcel Map (TPM 22-009)
   Exhibit A: Conditions of Approval (TPM 22-009)
4) Resolution No. 2022-____ for Variance (VAR 22-003)
5) Resolution No. 2022-____ certifying Mitigated Negative Declaration (ENV 22-004)
   Exhibit A: Final Initial Study/Mitigated Negative Declaration

Exhibit 1:

Area Map

Cypress St
Cypress St
Cypress St
Grape St
Grape St
6th St
6th St
6th St
N

Exhibit 2:

General Plan Excerpt of Victoria Avenue Corridor

GOAL 2.13

Transform the 5th Street Corridor into a major employment center and gateway to the San Bernardino International Airport.

Policies

1) Continue to coordinate with the City of San Bernardino and the San Bernardino International Airport Authority for future planning on and around the airport.

2) Continue to plan and promote the 5th Street Corridor as the major industrial entryway into the San Bernardino International Airport.

3) Develop a comprehensive design and branding program for the 5th Street Corridor, promoting it as a unified, business-friendly employment center.

4) Ensure exceptional circulation through adherence to the policies of the Circulation Element.

5) Protect and enhance the integrity and desirability of industrial sites from nonindustrial uses.

6) Improve landscaping along the edges and median of 5th Street and the boundaries of the corridor.

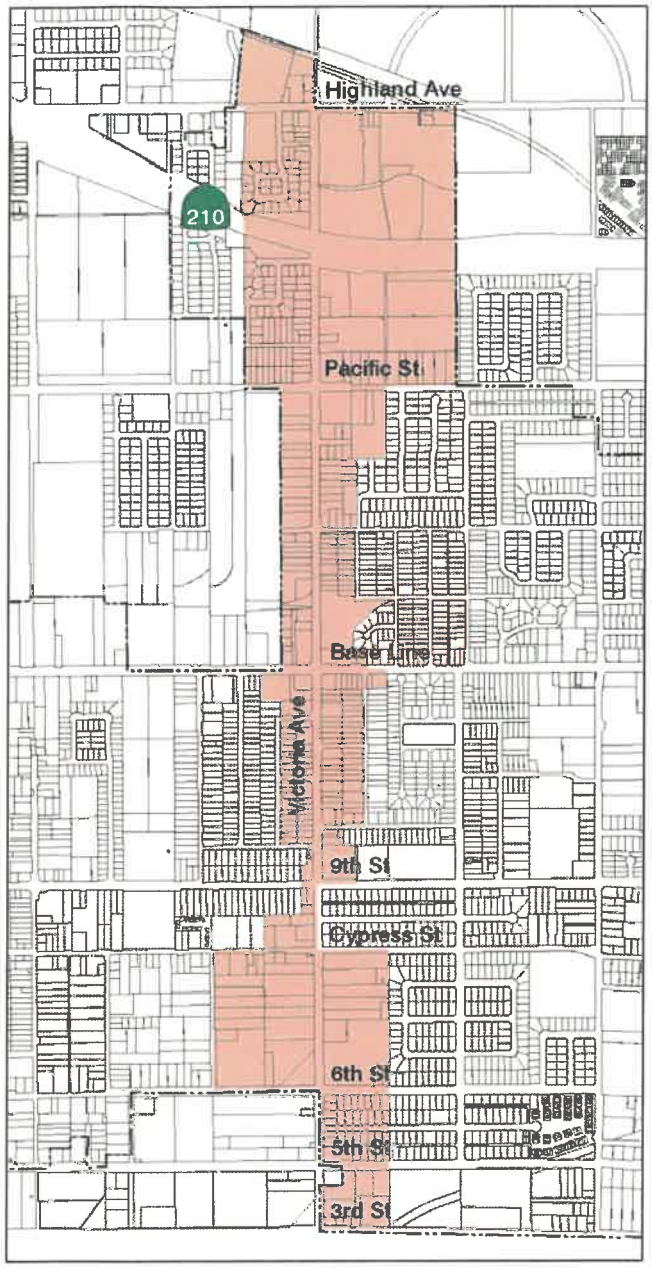
7) Ensure quality development through Development Code standards and the Community Design Element policies and guidelines.

8) Until nonconforming residential uses transition out of the area, provide adequate transitions and/or buffers between existing residential neighborhoods and industrial or other incompatible land uses.

9) Work with San Bernardino International Airport Authority to ensure that future planning activities encourage consistency with adopted City land use plans and minimize impacts on Highland's economic development opportunities and quality of life.

Victoria Avenue Corridor

As the primary passenger entryway into the San Bernardino International Airport from I-210, new land use patterns will need to be established to take advantage of future commercial opportunities, improve traffic and provide future development opportunities along Victoria Avenue. Currently, single-family residential uses and scattered strip development maintain individual access points to Victoria Avenue, which create



significant traffic congestion. Furthermore, to accommodate future traffic volumes, Victoria Avenue will need to be expanded and could impact current and future development along the corridor. To ensure quality development opportunities in the future, individual parcels will need to be consolidated.

GOAL 2.14

Establish the Victoria Avenue Corridor as the major entryway into the San Bernardino International Airport.

Policies

1) Concentrate commercial uses along Victoria Avenue at Base Line, Pacific Street and Highland Avenue.

2) Allow for a mix of commercial and residential uses in appropriate areas through the Planned Development land use designation.

3) Provide residential opportunities in mid-block areas between 9th Street and Pacific Avenue.

4) Encourage the consolidation of parcels to promote quality, planned development.

5) Consolidate access points along Victoria Avenue to improve traffic flows.

6) Create a major business park node at the southern terminus of Victoria Avenue to maximize employment opportunities adjacent to the airport.

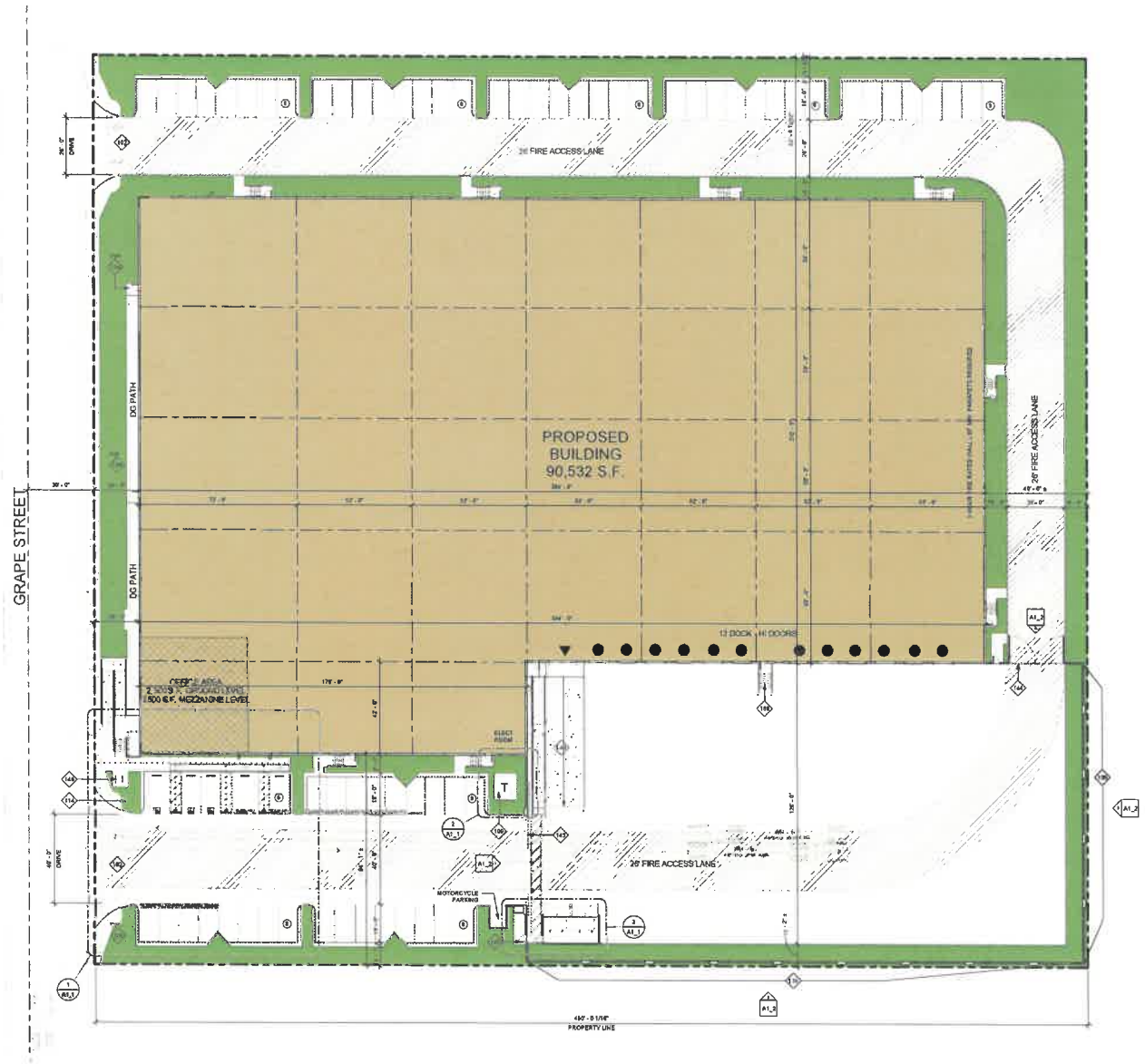
Seven Oaks Area

Located east of the Santa Ana River, the property known as the Seven Oaks area represents Highland's most significant prime residential real estate opportunity. The 1,900-acre property, annexed by the City in 2000, is designated as Planned Development, which ensures that the area will be planned comprehensively to ensure quality development that functions as a whole.

The site could accommodate hundreds or even thousands of high-end housing units, depending upon a variety of natural and infrastructure

Exhibit 3:

Site Plan



1 PROPOSED SITE PLAN
1" = 20'-0"

DEVELOPER/OWNER
PATRIOT PARTNERS 12129 W. SUNSET BLVD. LOS ANGELES, CA 90049 CONTACT: 858.952.4134 EMAIL: KEVIN@PATRIOTDEVELOPMENTPARTNERS.COM

APPLICANT'S REPRESENTATIVE/ARCHITECT
HERDMAN ARCHITECTURE & DESIGN, INC. 180 BAYVIEW CIRCLE,SUITE 100 NEWPORT BEACH, CA 92660 CONTACT: BRIDGET HERDMAN PHONE: 714.389.2909 EMAIL: PROJECTADMIN@HERDMANAD.COM

SCOPE OF WORK

CONSTRUCT NEW ONE STORY + MEZZANINE CONCRETE TILT-UP WAREHOUSE/DISTRIBUTION FACILITY WITH ELECTRICAL AND PLUMBING SERVICES, EXTERIOR LIGHTING, LANDSCAPING & IRRIGATION, TRASH ENCLOSURES, CONCRETE SCREEN WALLS, AND ALUMINUM/SWINGING METAL GATES. FIRE SPRINKLER AND GRADING PLANS TO BE A SEPARATE SUBMITTAL AND PERMIT

LEGAL DESCRIPTION & ZONING

LEGAL DESCRIPTION: SEE CIVIL PLAN

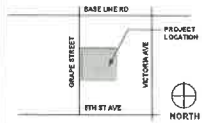
ASSESSOR'S PARCEL NO. APN:1192-281-23, 12,24,11

ZONING: SP - BUSINESS PARK

SHEET INDEX

A1	SITE PLAN
A1_1	ENLARGED PARTIAL SITE PLANS
A1_2	ENLARGED PARTIAL SITE PLANS
A1_3	SCREEN WALL PLAN & ELEVATIONS
A2	GROUND LEVEL FLOOR PLANS
A4	EXTERIOR ELEVATIONS
A4_1	COLOR BOARD
C1	CONCEPTUAL GRADING PLAN
L1	CONCEPTUAL LANDSCAPE PLAN
E1	PHOTOMETRIC PLAN

VICINITY MAP



SITE PLAN GENERAL NOTES

1. THE SITE PLAN SHALL MEET ALL ENGINEERING & NPDES REQUIREMENTS
2. GENERAL CONTRACTOR TO REVIEW THE SOILS REPORT AND ALL AMENDMENTS LISTED ON THE TITLE SHEET AND FOLLOW ALL RECOMMENDATIONS
3. U.O.N., ALL DIMENSIONS TO CONCRETE WALLS AND CURBS ARE EITHER TO THE CENTER (SHOWN WITH A CENTERLINE) OR FACE OF THE WALL OR CURB. ALL DIMENSIONS TO FRAMED WALLS ARE EITHER TO THE CENTER LINE OF THE WALL FRAMING (SHOWN WITH A CENTERLINE) OR THE FACE OF THE WALL FINISH.
4. REFER TO CIVIL AND MEP PLANS TO CONFIRM UTILITY INFORMATION SHOWN ON THE ARCHITECT'S SITE PLAN AND FOR ADDITIONAL UTILITY INFORMATION. GENERAL CONTRACTOR TO COORDINATE ALL POINTS OF CONNECTION.
5. REFER TO CIVIL DRAWINGS FOR ALL FINISHED GRADES AND SLOPES. ALL FINISHED GRADES TO PROVIDE POSITIVE DRAINAGE AWAY FORM THE BUILDING. GENERAL CONTRACTOR TO FIELD VERIFY.
6. ALL ACCESSIBLE ROUTES INDENTIFIED ON THE SITE PLAN DRAWINGS SHALL CONFORM TO THE FOLLOWING:
   a) SLOPES IN THE DIRECTION OF TRAVEL DO NOT EXCEED 5%. CROSS SLOPES DO NOT EXCEED 2%
   b) THE CLEAR WIDTH OF ALL WALKWAYS IS 4'-0" MIN
   c) CHANGES IN LEVEL UP TO 1/2" COMPLY w 11B-303.2. CHANGES IN LEVEL GREATER THAN 1/2" IF THEY OCCUR ARE RAMPED. SEE PLAN 6
   d) THE VERTICAL CLEARANCE ALONG THE ACCESSIBLE ROUTE IS 80" MIN.
7. ALL PAVED AND LANDSCAPED AREAS TO BE BOUND BY A MIN. 6" HIGH, 6" WIDE CONCRETE CURB U.O.N.
8. A CONCRETE NOSE STRIP EXTENDING 12" BEYOND EA END OF THE OPENING SHALL BE PROVIDED @ ALL EXTERIOR GLAZING WHERE THE SILL IS WITHIN 3' VERICAL OF THE FINISHED GRADE. SEE 3/A01.1
9. PROVIDE PIPE BOLLARD PROTECTION POSTS AS REQUIRED BY UTILITY COMPANIES AND OR FIRE AUTHORITIES AT ALL EXTERIOR ELECTRICAL EQUIPMENT AND FIRE PREVENTION DEVICES. IF FIRE BOLLARD PROTECTION POST DETAILS ARE NOT PROVIDED BY UTILITY COMPANIES AND OR FIRE AUTHORITY SEE DETAIL 3/A01.1
10. ALL EXPOSED BIORETENSION DEVICE COVERINGS SHALL BE PAINTED FORREST GREEN
11. WHERE OCCURS, GENERAL CONTRACTOR TO PROVIDE FLUID APPLIED DAMP PROOFING AT ALL RETAINING AND PLANTER WALLS WHERE THE SIDE OF THE WALL OPPOSITE THE SOIL SIDE IS EXPOSED TO VIEW AND ALL EXTERIOR WALLS WHERE THE ADJACENT FLOOR SLAB IS BELOW GRADE. SEE 19/A01.1

KEYNOTES

102	PROPOSED DRIVEWAY. PER JURISDICTIONAL STANDARD
106	SHADING, PROPOSED LANDSCAPING. SEE LANDSCAPE PLANS.
108	(N) TRANSFORMER LOCATION.
114	ACCESSIBLE SITE ENTRANCE SIGN.
134	EXERIOR CONCRETE LANDING.
136	CONCRETE TILT-UP SCREEN WALL. MIN HEIGHT 10'ABOVE HIGHEST ADJACENT FINISHED GRADE. PAINT BOTH SIDES AND TOP OF WALL. SEE PLANS FOR COLOR SCHEDULE.
143	PAINTED STEEL ROLLING GATE(S). MIN HEIGHT 6' ABOVE HIGHEST ADJACENT FINISHED GRADE OR AS SHOWN ON EXTERIOR ELEVATIONS. PROVIDE KNOX BOX AS REQUIRED BY FIRE AUTHORITY.
144	PAINTED STEEL SWINGING GATE(S). MIN HEIGHT 6' ABOVE HIGHEST ADJACENT FINISHED GRADE OR AS SHOWN ON EXTERIOR ELEVATIONS. PROVIDE KNOX BOX AS REQUIRED BY FIRE AUTHORITY.
145	PAINTED STEEL SWINGING PEDESTRIAN GATE. WHEN OCCURS IN TUBE STEEL FENCE, ALIGN TOP w/ FENCE HEIGHT. WHEN OCCURS IN CONCRETE SCREEN WALL, U.O.N., ALIGN TOP w/ SCREEN WALL. PROVIDE KNOX BOX AS REQUIRED BY FIRE AUTHORITY.
146	2 POSITION BIKE RACK.
148	CONCRETE TRUCK RAMP w/ 42" HIGH CONCRETE TILT-UP GUARD ON OPEN SIDE(S). PAINT ALL SIDES OF GUARD WALLS AND HANDRAILS. SEE ARCHITECTURAL DRAWINGS FOR COLOR SCHEDULE.
180	CONCRETE STAIRS ON GRADE.

GROSS SITE AREA

SQUARE FOOTAGE	ACRES
194,508 SF	4.34

FLOOR AREA RATIO

BUILDING AREA	SITE AREA	FAR ALLOWABLE	FAR PROVIDED
90,532 SF	194,508 SF	60%	46.1%

BUILDING AREA SUMMARY

NAME	AREA
GROUND FLOOR	
WAREHOUSE	88,032 SF
OFFICE	2500 SF
	88032 SF
MEZZANINE	
OFFICE	2500 SF
	2500 SF
GROUND LEVEL + MEZZANINE	
WAREHOUSE	88032 SF
OFFICE	2500 SF
TOTAL BUILDING AREA	90532 SF

LANDSCAPE AREA SUMMARY

LOT AREA	% LANDSCAPING AREA REQUIRED	LANDSCAPING AREA PROVIDED	% LANDSCAPING PROVIDED
194,508 SF	5%	29,305 SF	15.9%

TOTAL PARKING REQUIRED

BUILDING USE	BLDG AREA	PARKING RATIO	SPACES REQUIRED
OFFICE	5000 SF	250	20
WAREHOUSE	88532 SF	1000	89
TOTAL	90532 SF		109

PARKING PROVIDED

SPACE TYPE	SPACES PROVIDED
STANDARD STALLS	63
STANDARD ACCESSIBLE STALLS	2
VAN ACCESSIBLE STALLS	1
CLEAN AIR STALLS	4
FUTURE EV CHARGING ONLY STALLS	5
FUTURE EV CHARGING ONLY STANDARD ACCESSIBLE STALLS	1
FUTURE EV CHARGING ONLY VAN ACCESSIBLE STALLS	1
SWIMMING POOL	1
TOTAL	78

SITE LEGEND

- LANDSCAPE AREA
- CONCRETE PAVING. SEE CIVIL DRAWINGS FOR PAVING SECTIONS
- FIRE HYDRANT. PROVIDE PIPE BOLLARD PROTECTION POSTS AS REQUIRED. SEE 3/A01.1
- STREET LIGHT
- INDICATES AN ACCESSIBLE ROUTE. MUST COMPLY w/ SITE PLAN GENERAL NOTE #6
- PROPERTY LINE
- DOCK HIGH DOOR
- DRIVE THRU. DOOR

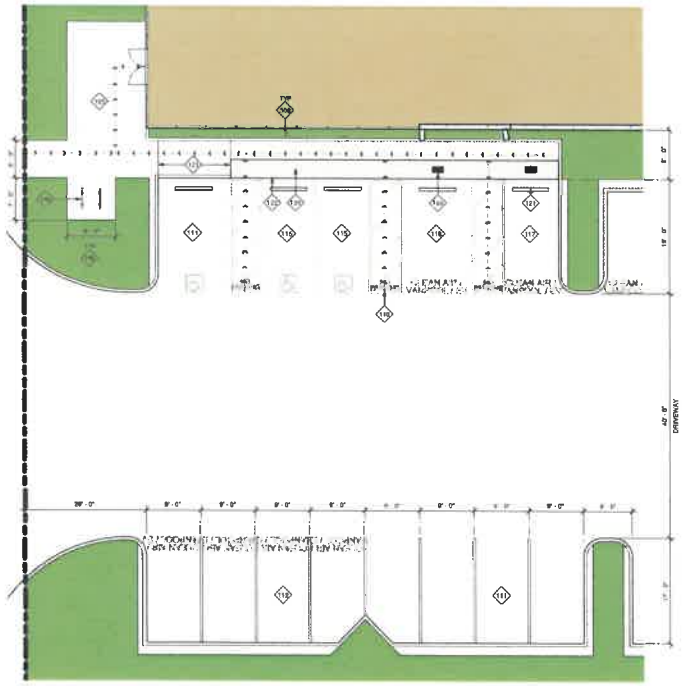
PROJECT
PATRIOT PARTNERS GRAPE ST.
HIGHLAND, CA
FIRST PLANNING SUBMITTAL

HERDMAN
ARCHITECTURE + DESIGN
A21-2263
09.14.2022

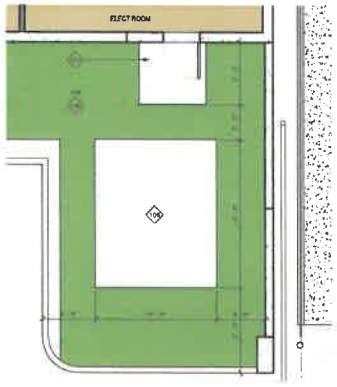
SITE PLAN

A1

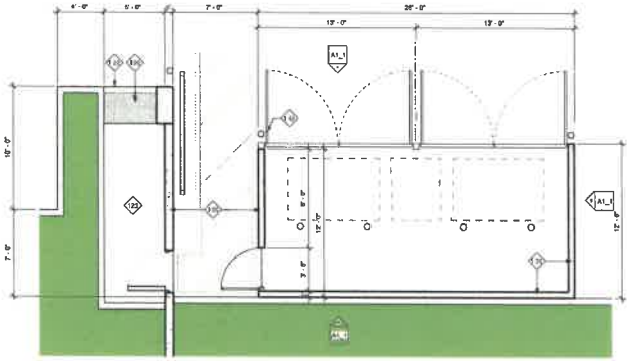
9/14/2022 12:01:57 PM



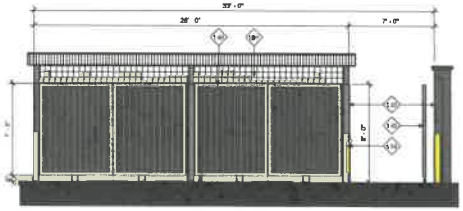
1 ENLARGED SITE PLAN
1/8" = 1'-0"



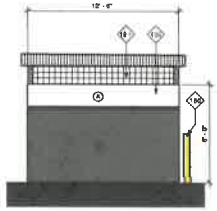
2 TRANSFORMER DETAIL
1/4" = 1'-0"



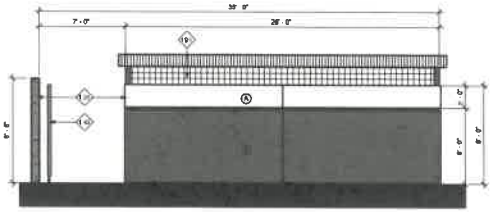
3 ENLARGED TRASH ENCLOSURE
1/4" = 1'-0"



4 TRASH ENCLOSURE NORTH ELEVATION
1/4" = 1'-0"



5 TRASH ENCLOSURE EAST ELEVATION
1/4" = 1'-0"



6 TRASH ENCLOSURE SOUTH ELEVATION
1/4" = 1'-0"

KEYNOTES

105	CONCRETE PAVING
108	@ SHADING, PROPOSED LANDSCAPED AREA. SEE LANDSCAPING PLANS
109	(N) TRANSFORMER LOCATION
110	ACCESS AISLE FOR ACCESSIBLE PARKING STALL. 5'-0" WIDE
111	TYP U.O.N., STANDARD PARKING STALL. 9'-0" WIDE x 19'-0" DEEP
112	CLEAN AIR VEHICLE PARKING STALL. MATCH STANDARD STALL SIZE
115	STANDARD ACCESSIBLE PARKING STALL. 9'-0" WIDE x DEPTH OF STANDARD STALL
117	FUTURE STANDARD ACCESSIBLE EV CHARGING ONLY PARKING STALL. 9'-0" WIDE x DEPTH OF STANDARD STALL. PROVIDE FOR FUTURE INSTALLATION OF CHARGING EQUIPMENT
118	FUTURE VAN ACCESSIBLE EV CHARGING ONLY PARKING STALL. 12'-0" WIDE x DEPTH OF STANDARD STALL. PROVIDE FOR FUTURE INSTALLATION OF CHARGING EQUIPMENT
120	TRUNCATED DOME DETECTABLE WARNING SURFACE, MIN 2'-0" DEEP IN THE DIRECTION OF TRAVEL
121	PRECAST CONCRETE WHEEL STOP
122	ZERO CURB FACE
123	CURB RAMP. 8.33% MAX SLOPE w/ 2% MAX CROSS SLOPE
124	LANDING CONCRETE LANDING
135	CONCRETE TILT UP SCREEN WALL. MIN HEIGHT 8" ABOVE HIGHEST ADJACENT FINISHED GRADE. PAINT BOTH SIDES AND TOP OF WALL. SEE PLANS FOR COLOR SCHEDULE
142	PAINTED STEEL TRASH ENCLOSURE GATES. ALIGN TOP OF GATES WITH TOP OF ADJACENT ENCLOSURE WALL
143	PAINTED STEEL ROLLING GATE (S). MIN HEIGHT 6" ABOVE HIGHEST ADJACENT FINISHED GRADE OR AS SHOWN ON EXTERIOR ELEVATIONS. PROVIDE KNOX BOX AS REQUIRED BY FIRE AUTHORITY
148	2 PERSON BIKE RACK
150	STEEL PIPE BOLLARD PROTECTION POST
153	FUTURE EVCS CHARGING EQUIPMENT
161	WIRE MESH BETWEEN TRASH ENCLOSURE PANELS AND ROOF. TYPICAL ON 4 SIDES OF ENCLOSURE
300	ACCESSIBLE PARKING STALL SIGN PER CODE. TYP PROVIDE AT ALL ADA STALLS

SITE LEGEND

- LANDSCAPE AREA
- CONCRETE PAVING. SEE CIVIL DRAWINGS FOR PAVING SECTIONS
- FIRE HYDRANT. PROVIDE PIPE BOLLARD PROTECTION POSTS AS REQUIRED. REF. 9/AD1.1
- STREET LIGHT
- INDICATES AN ACCESSIBLE ROUTE MUST COMPLY w/ SITE PLAN GENERAL NOTE #6
- PROPERTY LINE
- DOCK HIGH DOOR
- DRIVE THRU. DOOR

EXTERIOR COLOR SCHEDULE

- (A) EXTERIOR PAINT COLOR: SW 6995 SUPERWHITE
- (B) EXTERIOR PAINT COLOR: SW 7674 PEPPERCORN
- (C) CONCRETE FORMLINER COLOR
- (D) METAL PANEL COLOR
- (E) STOREFRONT MEDIUM PERFORMANCE BLUE REFLECTED GLAZING BLACK ANODIZED MULLION
- (F) CLEAR ANODIZED METAL EYE BROW

NOTES:

1. PAINT MAN DOORS, STAIR & RAMP GUARD WALLS, GUARD RAILS, DOWN SPOUTS, & LOUVERS TO MATCH ADJACENT BUILDING WALL COLOR, U.O.N.
2. U.O.N., EXTERIOR SIDE OF TRUCK DOORS TO BE PRE-FINISHED WITH MANUFACTURER'S WHITE. INTERIOR SIDE TO BE PRE-FINISHED WITH MANUFACTURER'S LIGHT GRAY.
3. POWER WASH EXTERIOR CONCRETE WALLS PRIOR TO PAINTING TO REMOVE ALL CHEMICALS AND DIRT THAT WILL IMPEDE THE PRIMER COAT FROM ADHERING TO THE WALLS.
4. PAINT EXTERIOR WALLS w/ 1- COAT SPRAYED AND BACK ROLLED ACRYLIC FLAT PRIMER AND 2-COATS SPRAYED-ON FLAT FINISH IN THE FINAL WALL COLOR. ALL PAINTS TO BE AS SPECIFIED BY THE MANUFACTURER FOR CONCRETE TILT UP WALL PANELS. FINISHED JOB SHALL BE SMOOTH AND FREE OF LAPPING AND OR STREAKING, REGARDLESS OF THE COLOR.
5. EXCEPT WHERE NOTED OTHERWISE ON THE PLANS ALL PANEL JOINTS SHALL BE CAULKED PER DETAIL 1/AD4.1
6. PAINT CONCRETE BEHIND ANY OPEN TRELLIS WORK THE COLOR OF THE ADJACENT WALL.
7. @ BOLD BROWS WITH GLAZING DIRECTLY ABOVE OR BELOW, PAINT THE EXPOSED WALL CHAMFER JUST ABOVE OR BELOW THE BROW TO MATCH THE BROW COLOR.

SITE PLAN GENERAL NOTES

1. THE SITE PLAN SHALL MEET ALL ENGINEERING & NPDES REQUIREMENTS.
2. GENERAL CONTRACTOR TO REVIEW THE SOILS REPORT AND ALL AMENDMENTS LISTED ON THE TITLE SHEET AND FOLLOW ALL RECOMMENDATIONS.
3. U.O.N., ALL DIMENSIONS TO CONCRETE WALLS AND CURBS ARE EITHER TO THE CENTER (SHOWN WITH A CENTERLINE) OR FACE OF THE WALL OR CURB. ALL DIMENSIONS TO FRAMED WALLS ARE EITHER TO THE CENTER LINE OF THE WALL FRAMING (SHOWN WITH A CENTERLINE) OR THE FACE OF THE WALL FINISH.
4. REFER TO CIVIL, AND MEP PLANS TO CONFIRM UTILITY INFORMATION SHOWN ON THE ARCHITECT'S SITE PLAN AND FOR ADDITIONAL UTILITY INFORMATION. GENERAL CONTRACTOR TO COORDINATE ALL POINTS OF CONNECTION.
5. REFER TO CIVIL DRAWINGS FOR ALL FINISHED GRADES AND SLOPES. ALL FINISHED GRADES TO PROVIDE POSITIVE DRAINAGE AWAY FORM THE BUILDING. GENERAL CONTRACTOR TO FIELD VERIFY.
6. ALL ACCESSIBLE ROUTES INDENTIFIED ON THE SITE PLAN DRAWINGS SHALL CONFORM TO THE FOLLOWING:
   a) SLOPES IN THE DIRECTION OF TRAVEL DO NOT EXCEED 5%. CROSS SLOPES DO NOT EXCEED 2%.
   b) THE CLEAR WIDTH OF ALL WALKWAYS IS 4'-0" MIN.
   c) CHANGES IN LEVEL UP TO 1/2" COMPLY w/ 11A/B2.1. CHANGES IN LEVEL GREATER THAN 1/2" IF THEY OCCUR ARE RAMPED. SEE PLANS
   d) THE VERTICAL CLEARANCE ALONG THE ACCESSIBLE ROUTE IS 80" MIN.
7. ALL PAVED AND LANDSCAPED AREAS TO BE BOUND BY A MIN. 6" HIGH 6" WIDE CONCRETE CURB U.O.N.
8. A CONCRETE MOW STRIP EXTENDING 12" BEYOND EA END OF THE OPENING SHALL BE PROVIDED @ ALL EXTERIOR GLAZING WHERE THE SILL IS WITHIN 3' VERTICAL OF THE FINISHED GRADE, SEE 9/AD1.1
9. PROVIDE PIPE BOLLARD PROTECTION POSTS AS REQUIRED BY UTILITY COMPANIES AND OR FIRE AUTHORITIES AT ALL EXTERIOR ELECTRICAL EQUIPMENT AND FIRE PREVENTION DEVICES. IF PIPE BOLLARD PROTECTION POST DETAILS ARE NOT PROVIDED BY UTILITY COMPANIES AND OR FIRE AUTHORITY SEE DETAIL 9/AD1.1
10. ALL EXPOSED DOOR TENSION DEVICE COVERINGS SHALL BE PAINTED FOR BEST OMEN.
11. WHERE OCCURS, GENERAL CONTRACTOR TO PROVIDE FLUID APPLIED DAMP PROOFING AT ALL RETAINING AND PLANTER WALLS WHERE THE SIDE OF THE WALL OPPOSITE THE SOIL SIDE IS EXPOSED TO VIEW AND ALL EXTERIOR WALLS WHERE THE ADJACENT FLOOR SLAB IS BELOW GRADE, SEE 19/AD1.1

PROJECT
PATRIOT PARTNERS GRAPE ST.
HIGHLAND, CA
FIRST PLANNING SUBMITTAL

HERDMAN
ARCHITECTURE + DESIGN

A21-2283
05.25.2022

ENLARGED SITE PLANS

A1_1

24/05/2022 2:23:04 pm

Exhibit 4:

Parking Analysis

DUDEK
MAIN OFFICE
605 THIRD STREET
ENCINITAS, CALIFORNIA 92024
T 800.450.1818 F 760.632.0164

MEMORANDUM

To:	Kim Stater, City of Highland
From:	Sabita Tewani, AICP, PTP, Transportation Planner Dennis Pascua, Transportation Services Manager
Subject:	Parking Study for the Grape Street Warehouse Project, City of Highland
Date:	August 22, 2022
cc:	Sean Kilkenny, Senior Project Manager Patrick Cruz, Project Manager
Attachments:	Attachment A – Site Plan Attachment B – Parking Ratios at Other Patriot Developments Attachment C – Raw Driveway Counts Attachment D – Parking Demand Worksheets

The following parking study has been prepared for the proposed Grape Street Warehouse project (project) in the City of Highland (City). Figure 1 illustrates the regional and project location.

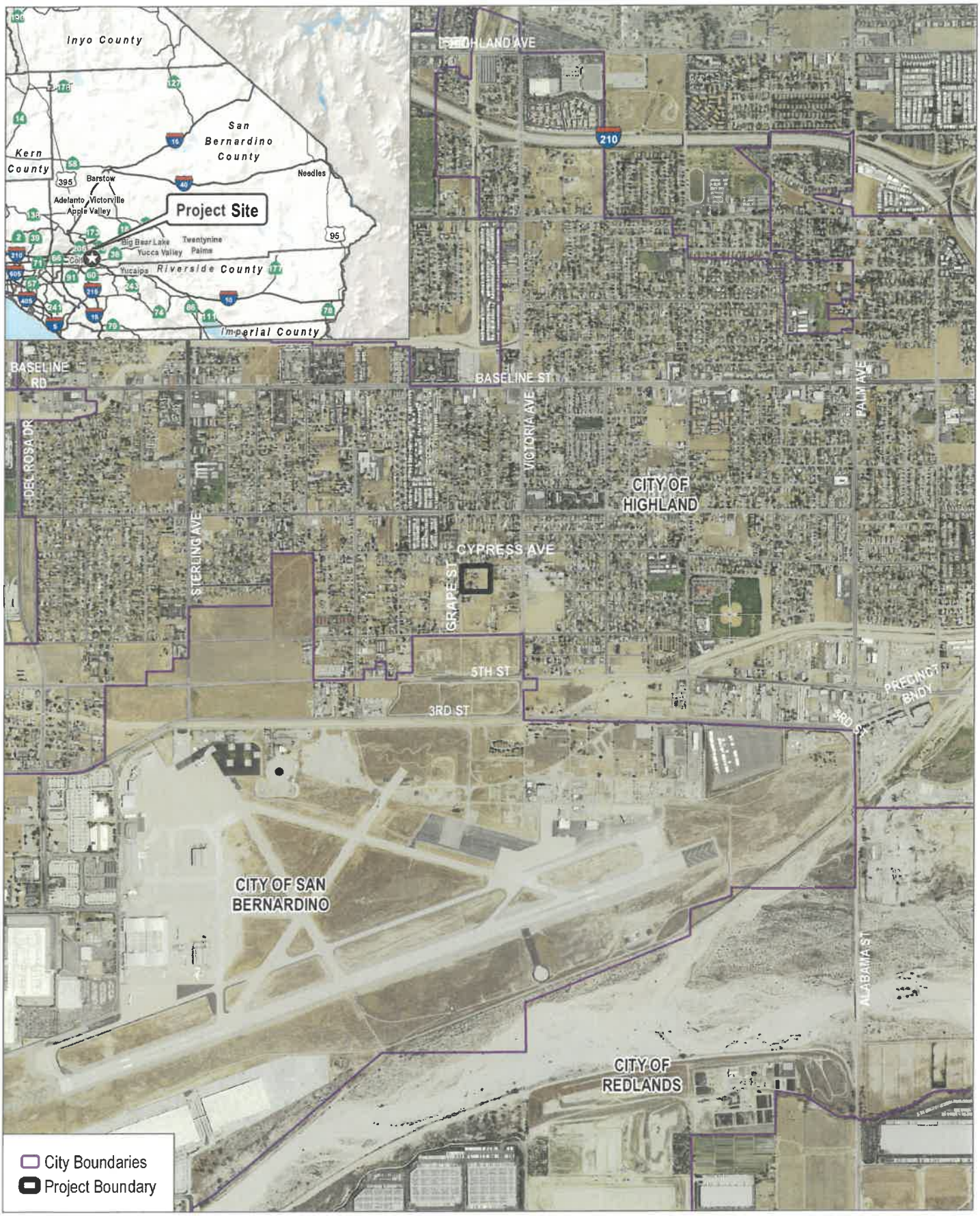
The proposed project is a warehouse located along the southwestern border of the City, north of the San Bernardino International Airport and the City of San Bernardino. Table 16.52.030.A in Section 16.52.030 of the Highland Municipal Code (Code) identifies the following off-street automobile parking space requirements for the following land uses applicable to the project:

- *E.3. Warehouse and distribution: 1 space per 1,000 gross feet of floor area devoted to warehousing plus the required amount of parking for gross square footage devoted to other uses.*
- *B.3.I.i. Offices – Administrative, business, professional: 1 space per 250 gross feet of floor area.*

Furthermore, in the case that the project would not be able to provide the Code's required number of spaces, per Section 16.52.020, a decrease in the number of required spaces may be granted through the approval of a variance:

- *F.2. A decrease in the number of spaces required by the schedules for provision of off-street parking and loading spaces and bicycle facilities contained in HMC 16.52.030 and 16.52.040 may be granted under the circumstances identified in HMC 16.52.050, or by the approval of a variance.*

The purpose of this parking study is to determine whether the project will provide an adequate parking supply based on the City Code's parking requirement. In addition, in the event the project could not meet the City's Code parking requirement, the City is allowing a parking demand analysis to be conducted to determine whether adequate parking would be supplied on site, subject to the City's review and approval. The parking demand analysis is based on the observed parking demand of two existing warehouses that are of similar use and size to the proposed project and located within three miles of the project site.



SOURCE: Bing Maps, USGS Topo Map Series

DUDEK

0 1,000 2,000 Feet

FIGURE 1

Project Location

Grape Street Highland Warehouse Project

Project Location and Description

The project site is located at 7747, 7757, 7769, and 7773 Grape Street, north of 6th Street, east of Grape Street, south of Cypress Street, and west of Victoria. Regional access to the project area is provided by Interstate (I-) 10 to the south, I-215 to the west, and State Route (SR) 210 to the east. Local access to the project site would be via Grape Street, Cypress Avenue and 6th Street.

The project proposes to construct a 90,532 square feet (SF) industrial warehouse building. Within the 90,532 SF warehouse building, there would be a total of 5,000 SF of office/mezzanine space. The parking supply for passenger vehicles would be a total of 70 spaces, consisting of 55 standard spaces, 1 vanpool parking space, 3 accessible spaces compliant with the Americans with Disabilities Act (ADA), 4 clean air vehicle spaces, and 7 electric vehicle spaces (including 1 electric van ADA space and 1 electric ADA space). The site plan is provided in Attachment A.

Municipal Code Parking Requirements

The Code parking requirement for the project was calculated by utilizing the off-street parking requirements established in the Code. Section 16.52.020 of the Highland Municipal Code states that where calculations yield a fractional space, the fraction shall be rounded to the next lower whole number. Table 2 provides the parking requirements for the proposed project per Section 16.52.030 of the Highland Municipal Code.

Table 1. Parking Requirements per Highland Municipal Code

Land Use	Size	City of Highland Parking Rates	Parking Requirement
Warehouse	85,532 SF	1 space per 1,000 SF of floor area	85 spaces
Office/Mezzanine	5,000 SF	1 space per 250 SF of floor area	20 spaces
Total	**90,532 SF**	—	**105 spaces**

Notes: SF = square foot

As shown in Table 2, the project would require a total of 106 parking spaces per the Code. This results in an aggregate rate of 1 space per 862 SF (90,532 SF ÷ 105 spaces). As previously indicated, the parking supply for passenger vehicles would be a total of 70 spaces. Therefore, the project would not meet the City's parking requirements per the Code and would have a shortfall of 36 spaces.

Municipal Code Parking Requirements for Other Cities

Parking requirements established in nearby City Codes are summarized in Table 2 to provide a comparison to those established by the City of Highland. For each jurisdiction analyzed below, according to each jurisdiction's municipal code, where calculations yield a fractional space, the fraction shall be rounded up to the next whole number. As stated above, the City of Highland requires fractional spaces to be rounded to the next lower whole number. As shown in Table 2, the City of Fontana provides the least conservative parking requirements for warehouse land uses, while the City of Highland provides the most conservative parking requirements.

Table 2. Parking Requirements per Various Cities' Municipal Codes

Jurisdiction	Required Parking Rates per Municipal Code	Estimated Required Parking of Proposed Project[1] in other Jurisdictions
Rancho Cucamonga	**Warehouse/Storage:** 1 per 1,000 sf for first 20,000 sf; 1 per 2,000 sf for the next 20,000 sf; and 1 per 4,000 sf for the remaining sf	42
	Office & administration: 4 per 1,000 sf	20
	Total	**62**
	Required Parking Ratio for Project in Rancho Cucamonga (Spaces/TSF)	**0.685**
Fontana	**Warehouse/Distribution/Logistics:** One parking space is required for each 1,000 square feet of gross floor area for the initial 20,000 square feet; one parking space is required for each 2,000 square feet of additional gross floor area for the next 20,000 square feet; and one parking space is required for each 5,000 square feet of additional gross floor area over 40,000 square feet.	41
	Professional or Unspecified Office: One parking space is required for each 250 square feet of gross floor area	20
	Total	**61**
	Required Parking Ratio for Project in Fontana (Spaces/TSF)	**0.674**
Perris	**Warehousing:** One space per 1,000 square feet of gross floor area for the first 20,000 square feet and one space per 2,000 square feet for that portion over 20,000 square feet	53
	Professional offices: One space for every 300 square feet	17
	Total	**70**
	Required Parking Ratio for Project in Perris (Spaces/TSF)	**0.773**
Moreno Valley	**Warehouse and distribution:** 1/1,000 sq. ft. of gross floor area for the first 20,000 sq. ft.; 1/ea. 2,000 sq. ft. of gross floor area for the second 20,000 sq. ft.; 1/ea. 4,000 sq. ft. of gross floor area for areas in excess of the initial 40,000 sq. ft.	42
	Business and professional offices: 1/250 sq. ft. of gross floor area	20
	Total	**62**
	Required Parking Ratio for Project in Moreno Valley (Spaces/TSF)	**0.685**
Highland	**Warehouse and distribution:** 1 space per 1,000 gross ft. of floor area devoted to warehousing plus the required amount of parking for gross square footage devoted to other uses	85
	Administrative, business, professional: 1 space per 250 gross ft. of floor area	20
	Total	**105**
	Required Parking Ratio for Project in Highland (Spaces/TSF)	**1.160**

Notes: sf/sq. ft. = square foot; TSF = thousand square feet

1 The proposed project consists of 85,532 SF warehousing and 5,000 SF office-related uses.

Based on review of these parking requirements, the average parking ratio for warehouses within the analyzed jurisdictions is 0.704 ([0.685 + 0.674+ 0.773 + 0.685] ÷ 4), and the average number of parking spaces that would be required for the proposed project within the four other jurisdictions listed in Table 2 is 64 spaces ([62+61+70+62] ÷ 4). As the project proposes to include a parking supply of 70 spaces, the project would provide adequate parking based on an average of the Municipal Code requirements of the other jurisdictions. Additionally,

parking supplies provided for other nearby warehousing projects developed by Patriot Development Partners (Patriot) are summarized in Attachment B.

Parking Demand Analysis

As noted above, in the event the project could not meet the City's Code parking requirement, the City is allowing a parking demand analysis to be conducted to determine whether adequate parking would be supplied on site, subject to the City's review and approval. The following parking demand analysis demonstrates whether the project can accommodate peak parking demand, based on the peak parking demand observed at two existing warehouses similar in capacity and located near the project site.

Parking Surveys

The following two existing occupied warehouses were chosen to be surveyed for parking demand:

- 1295 Central Avenue, San Bernardino, CA 92408: an approximately 296,725 SF warehouse (Fender Warehouse), located on the southeast corner of Central Avenue/Tippecanoe Avenue. This facility has 197 passenger vehicle parking spaces and is parked at 1 space per 1,506 SF.
- 27081 Almond Avenue, Redlands, CA 92374: an approximately 326,920 SF warehouse (2AM Logistics BMW Parts Distribution Center), located on the southeast corner of Nevada Street/Almond Avenue. This facility has 174 passenger vehicle parking spaces and is parked at 1 space per 1,879 SF.

It should be noted that the building square footages of the existing warehouses were estimated using aerial photography and were determined to be occupied and in operation based on site observations. Figure 2 shows the locations of both surveyed warehouse sites, relative to the location of the proposed project. Figure 3 shows a close-up view of the 1295 Central Avenue warehouse layout, and Figure 4 shows a close-up view of the 27081 Almond Avenue warehouse layout.

To determine the on-site parking demands of the warehouses, Dudek contracted with a qualified traffic/parking data collection firm to conduct hourly vehicle counts at the driveways of the two warehouses. The driveway counts accounted for vehicles entering and exiting all project driveways every 15 minutes, over a 24-hour period for two typical weekdays of a non-holiday week. The driveway counts were conducted at both sites on Tuesday, February 2, 2021, and Wednesday, February 3, 2021. Raw driveway count data is provided as Attachment C to this memorandum.

The peak parking demand at each site was derived by subtracting the number of vehicles exiting the site and adding the number of vehicles entering the site at each driveway for each 15-minute increment over the 24-hour period to the assumed baseline. Baseline parking space occupancy was calculated for the beginning of each survey period (12:00 a.m.) by determining the number of vehicles that would not result in "negative occupied spaces" at any time throughout the survey. For example, the 1295 Central Avenue Warehouse experienced the greatest net loss of vehicles throughout the survey period (31 vehicles) between 12:00 a.m. and 2:30 a.m. on Tuesday, February 2. After 2:30 AM, the rate at which the number of vehicles entering the site begins to exceed those exiting. Therefore, a baseline of 32 vehicles (31 vehicles plus 1 residual) was assumed to already occupy spaces at the project site at the beginning of the survey period. The same methodology was applied to each day at both warehouses. Worksheets detailing the baseline parking occupancy assumptions, as well as the parking demand calculations, are provided as Attachment D to this memorandum. Table 3 presents the findings of the parking demand analysis.

Table 3. Observed Peak Parking Demand and Rates

Warehouse Site	Size	# of Spaces	Tuesday, February 2, 2021		Wednesday, February 3, 2021	
			Peak Demand	Observed Parking Rate	Peak Demand	Observed Parking Rate
1295 Central Ave	297,860 SF	197	112	1 space per 2,660 SF	111	1 space per 2,684 SF
27081 Almond Ave	326,920 SF	174	55	1 space per 5,416 SF	49	1 space per 6,079 SF
Average Observed Parking Rate[1]			1 space per 4,038 SF			
Highest Observed Parking Rate[2]			1 space per 2,660 SF			

Notes: Based on parking surveys conducted on Tuesday, February 2, 2021, and Wednesday, February 3, 2021.
1 Average observed parking rate is based on the averaging the highest day of parking demand of the two observed sites.
2 Highest observed parking rate is based on the highest day of parking demand of the two observed sites.

Based on Table 3, the highest day of observed parking demand at the 1295 Central Avenue warehouse was Tuesday, February 2, 2021, with a peak demand of 112 spaces at 8:15 a.m. This resulted in a peak parking demand rate of 1 space per 2,660 SF. The highest day of observed parking demand at the 27081 Almond Avenue warehouse was also Tuesday, February 2, 2021, with a peak demand of 55 spaces at 8:00 a.m. This resulted in a peak parking demand rate of 1 space per 5,416 SF. Therefore, the average observed parking rate is 1 space per 4,038 SF, and the highest observed parking rate is 1 space per 2,660 SF over the course of both days.

Project Parking Demand

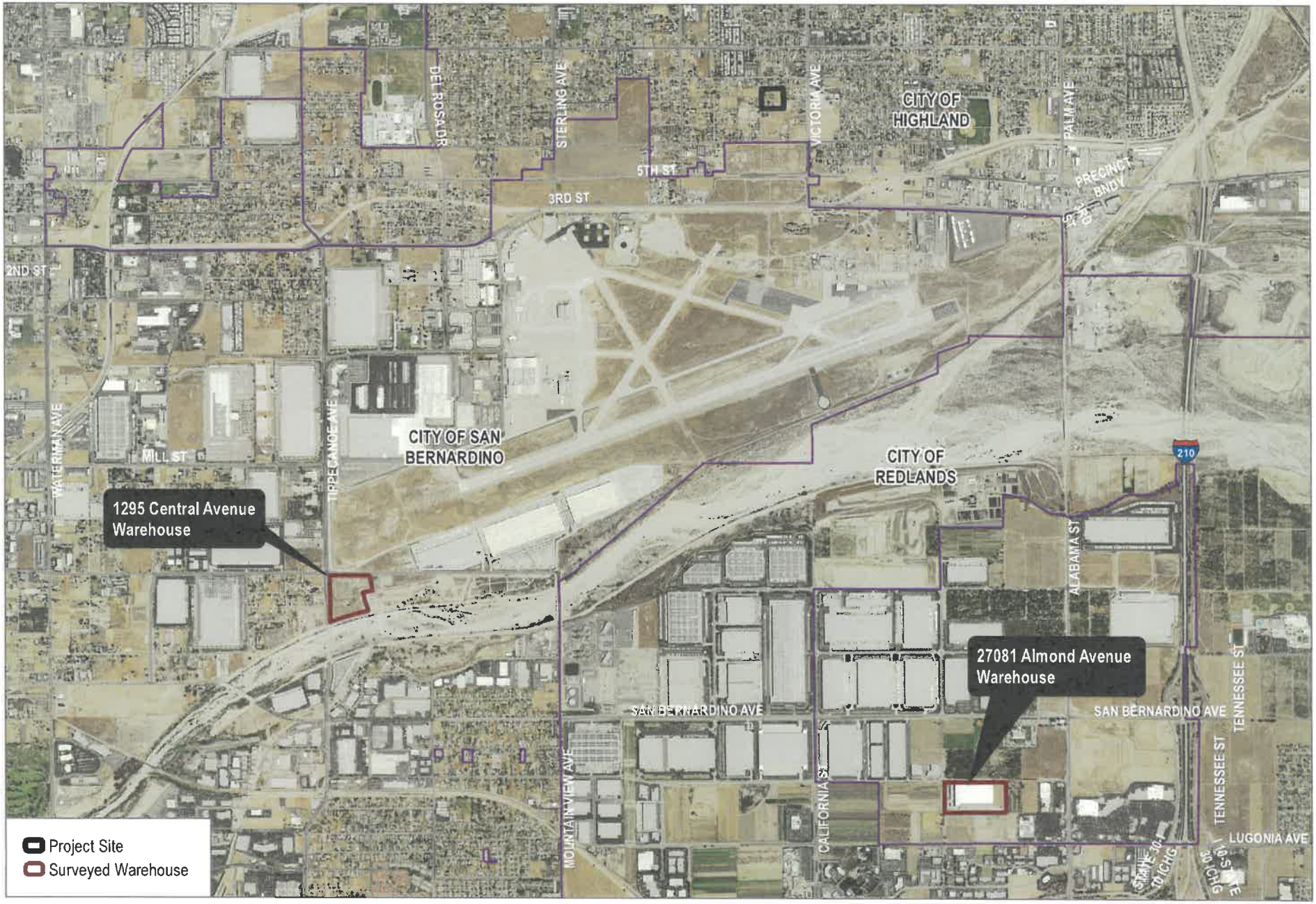
Based on the average observed parking rate of 1 space per 2,660 SF determined from the parking analysis of the two surveyed warehouses, the proposed 90,532 SF warehouse would have a peak parking demand of 13 spaces (90,532 SF ÷ 4,038 SF = 23 spaces). Additionally, the highest parking demand was also calculated to provide a conservative analysis. Using the highest observed parking rate of 1 space per 2,660 SF, the proposed 90,532 SF warehouse would have a peak parking demand of 35 spaces (90,532 SF ÷ 2,660 SF = 35 spaces). These estimates are provided in Table 4 below.

Table 4. Parking Requirements per Observed Rates

Land Use	Size	Observed Parking Rates	Parking Requirement
Warehouse	90,532 SF	1 space per 4,038 SF of floor area[1]	23 spaces
		1 space per 2,660 SF of floor area[2]	35 spaces

Notes: SF = square foot
1 Based on the average observed parking rate noted in Table 2.
2 Based on the highest observed parking rate noted in Table 2.

The proposed project would provide a parking supply of 70 spaces; therefore, assuming the conservative peak parking demand rate of 1 space per 2,660 SF, the project's projected parking demand of 35 spaces would be adequately accommodated within the proposed supply, with a residual of 35 spaces (70 spaces – 35 spaces).



SOURCE: Bing Maps

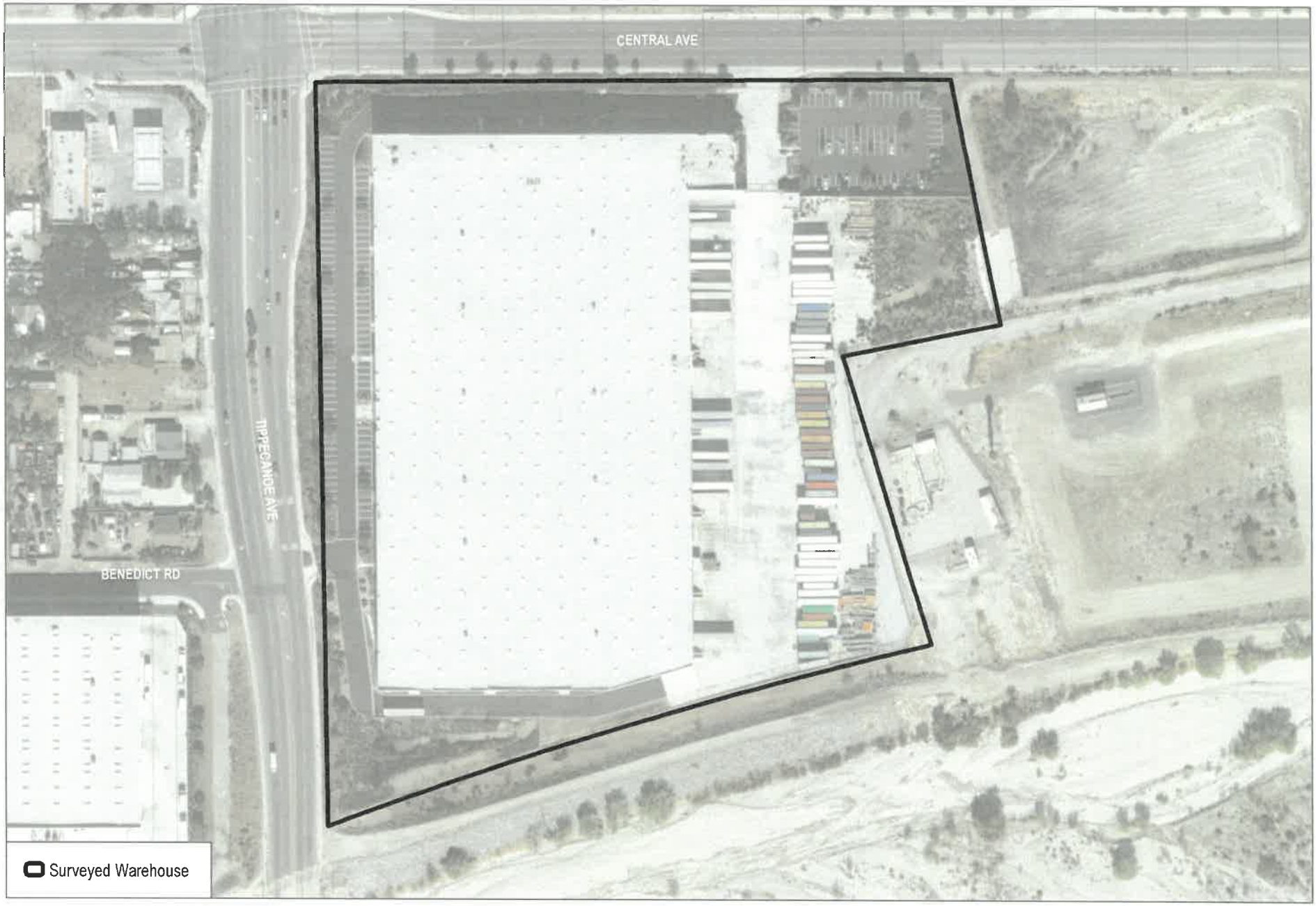
DUDEK

0 1,000 2,000 Feet

FIGURE 2

Surveyed Warehouse Locations

Grape Street Highland Warehouse Project



SOURCE: Bing Maps

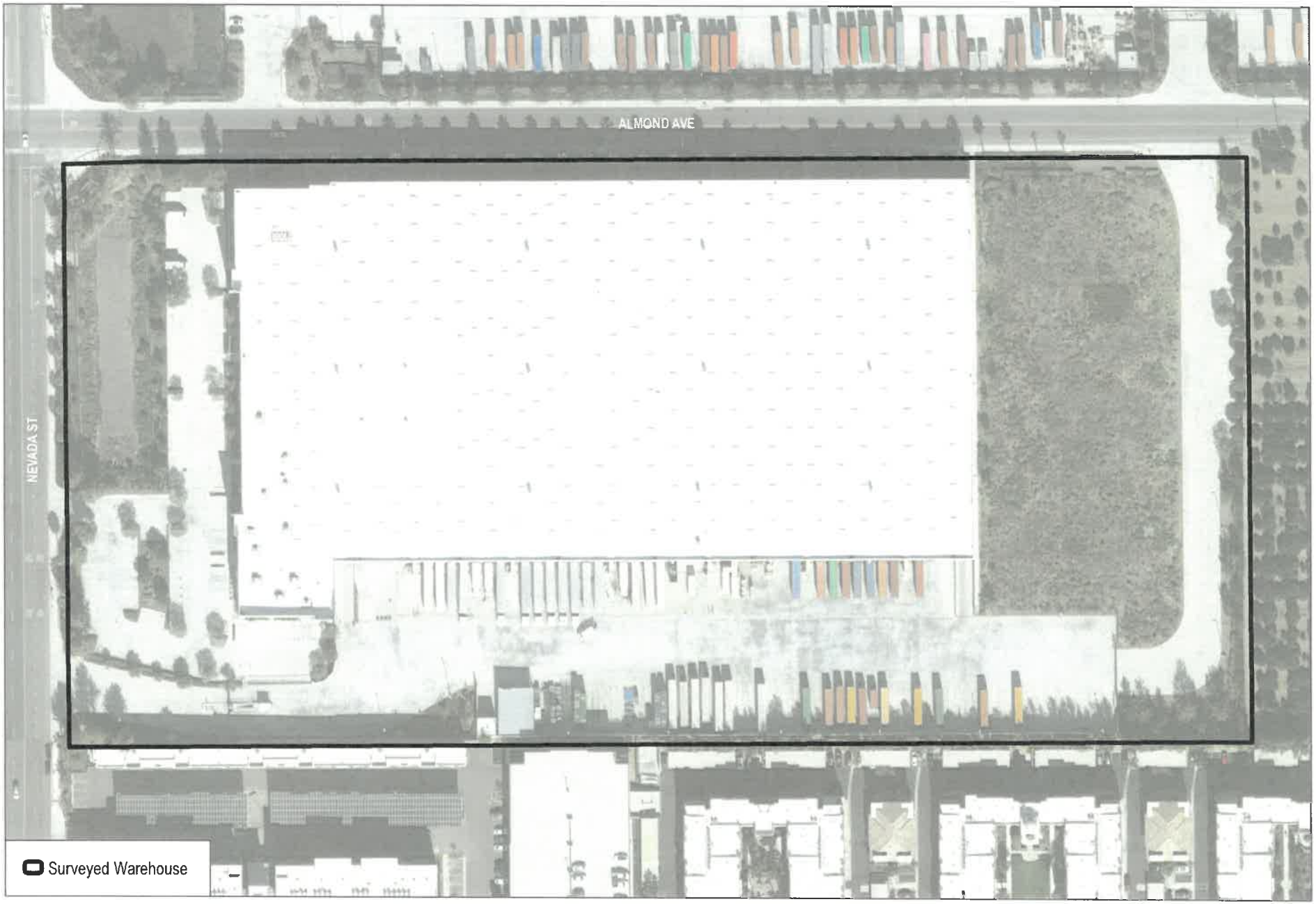
DUDEK

0 100 200 Feet

FIGURE 3

1295 Central Avenue Warehouse

Grape Street Highland Warehouse Project



SOURCE: Bing Maps

DUDEK

0 100 200 Feet

FIGURE 4

27081 Almond Avenue Warehouse

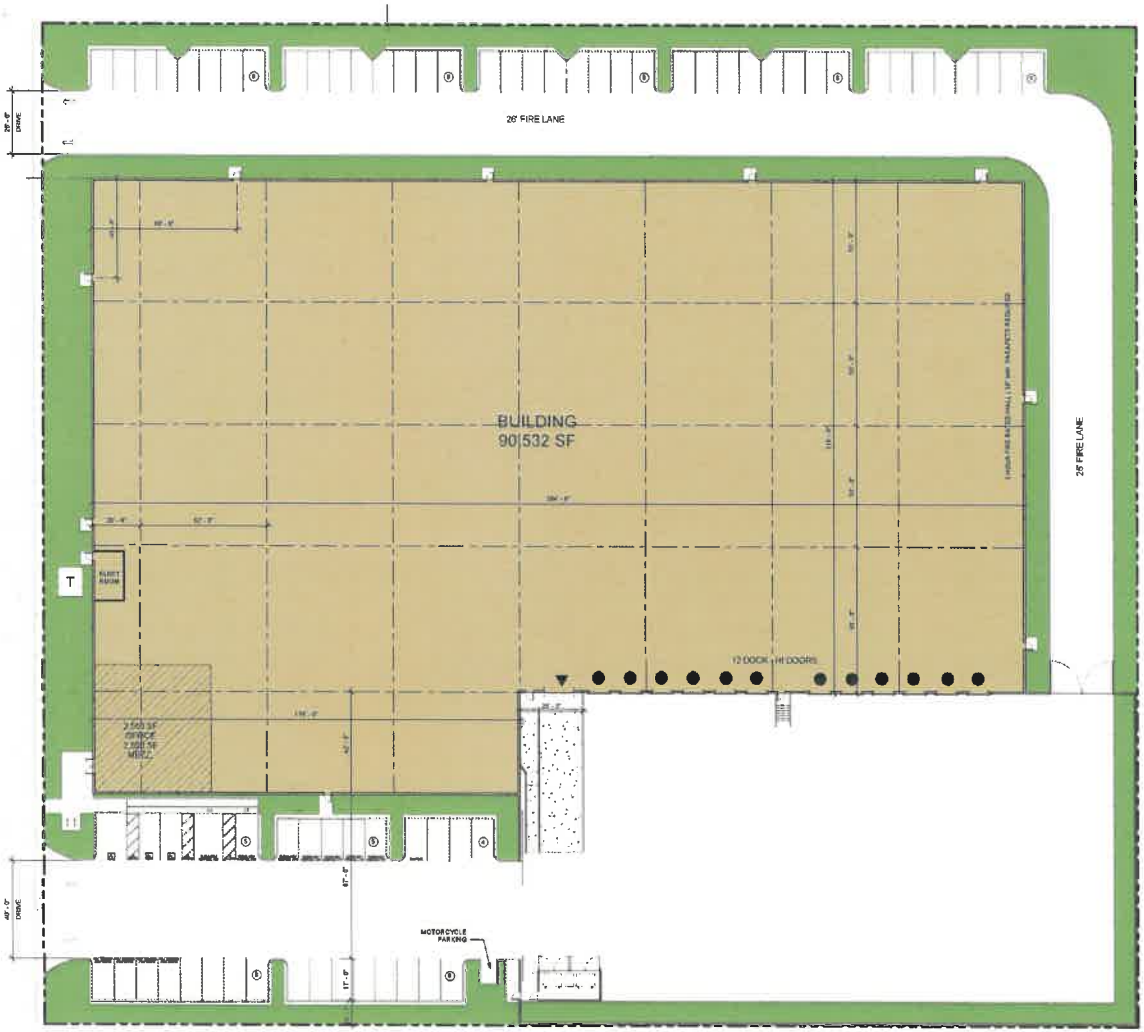
Grape Street Highland Warehouse Project

Conclusions

Based on the parking surveys and analysis discussed above, the following conclusions are made for the proposed Grape Street warehouse project:

- Based on the City of Highland Municipal Code parking requirements, the project would require a total of 105 parking spaces.
- The project would provide adequate parking based on an average of the Municipal Code parking requirements of four other nearby jurisdictions (64 spaces).
- Based on the highest observed parking rate of 1 space per 2,660 SF determined from the parking surveys of two existing warehouses near the project site, the proposed 90,532 SF warehouse would have a peak parking demand of 35 spaces (90,532 SF ÷ 2,660 SF = 35 spaces).
- The project's proposed supply of 70 parking spaces can adequately accommodate its forecast parking demand of 35 spaces (based on the highest peak observed parking rate).

Attachment A
Site Plan



1 PROPOSED SITE PLAN
1" = 20'-0"

DEVELOPER/OWNER

ADDRESS
CONTACT
PHONE XXX.XXX.XXXX
EMAIL

APPLICANT'S REPRESENTATIVE/ARCHITECT

HERDMAN ARCHITECTURE & DESIGN, INC.
120 BAYVIEW CIRCLE SUITE 100
NEWPORT BEACH, CA 92660
CONTACT: BRIDGET HERDMAN
PHONE: 714 388 2900
EMAIL: PROJECTADMIN@HERDMANAD.COM

SCOPE OF WORK

CONSTRUCT NEW ONE STORY + MEZZANINE CONCRETE TILT-UP WAREHOUSE/DISTRIBUTION FACILITY WITH ELECTRICAL AND PLUMBING SERVICES. EXTERIOR LIGHTING, LANDSCAPING & IRRIGATION, TRASH ENCLOSURES, CONCRETE SCREEN WALLS, AND SLIDING/SWINGING METAL GATES. FIRE SPRINKLER AND GRADING PLANS TO BE A SEPARATE SUBMITTAL AND PERMIT

LEGAL DESCRIPTION & ZONING

LEGAL DESCRIPTION
ASSESSOR'S PARCEL NO
SPECIFIC PLAN LEGEND
ZONING

SHEET INDEX

A1 SITE PLAN
A1_1 ENLARGED PARTIAL SITE PLANS
A1_2 ENLARGED PARTIAL SITE PLANS
A1_3 SCREEN WALL PLAN & ELEVATIONS
A2 GROUND LEVEL FLOOR PLANS
A3 ROOF PLAN
A4 EXTERIOR ELEVATIONS
C1 CIVIL
C2 CIVIL
C3 CIVIL
L1 LANDSCAPING

VICINITY MAP

SITE PLAN GENERAL NOTES

1. THE SITE PLAN SHALL MEET ALL ENGINEERING & NPDES REQUIREMENTS.
2. GENERAL CONTRACTOR TO REVIEW THE SOILS REPORT AND ALL AMENDMENTS LISTED ON THE TITLE SHEET AND FOLLOW ALL RECOMMENDATIONS
3. U.O.N., ALL DIMENSIONS TO CONCRETE WALLS AND CURBS ARE EITHER TO THE CENTER (SHOWN WITH A CENTERLINE) OR FACE OF THE WALL OR CURB. ALL DIMENSIONS TO FRAMED WALLS ARE EITHER TO THE CENTER LINE OF THE WALL FRAMING (SHOWN WITH A CENTERLINE) OR THE FACE OF THE WALL FINISH.
4. REFER TO CIVIL AND MEP PLANS TO CONFIRM UTILITY INFORMATION SHOWN ON THE ARCHITECT'S SITE PLAN AND FOR ADDITIONAL UTILITY INFORMATION. GENERAL CONTRACTOR TO COORDINATE ALL POINTS OF CONNECTION.
5. REFER TO CIVIL DRAWINGS FOR ALL FINISHED GRADES AND SLOPES. ALL FINISHED GRADES TO PROVIDE POSITIVE DRAINAGE AWAY FORM THE BUILDING. GENERAL CONTRACTOR TO FIELD VERIFY ALL ACCESSIBLE ROUTES INDENTIFIED ON THE SITE PLAN DRAWINGS SHALL CONFORM TO THE FOLLOWING:
   a) SLOPES IN THE DIRECTION OF TRAVEL DO NOT EXCEED 5%. CROSS SLOPES DO NOT EXCEED 2%
   b) THE CLEAR WIDTH OF ALL WALKWAYS IS 4'-0" MIN.
   c) CHANGES IN LEVEL UP TO 1/2" COMPLY w/ 1134.2.1. CHANGES IN LEVEL GREATER THAN 1/2" IF THEY OCCUR ARE RAMPED. SEE PLANS
   d) THE VERTICAL CLEARANCE ALONG THE ACCESSIBLE ROUTE IS 80" MIN
7. ALL PAVED AND LANDSCAPED AREAS TO BE BOUND BY A MIN. 6" HIGH, 6" WIDE CONCRETE CURB U.O.N.
8. A CONCRETE MOW STRIP EXTENDING 12" BEYOND EA END OF THE OPENING SHALL BE PROVIDED @ ALL EXTERIOR GLAZING WHERE THE SILL IS WITHIN 3' VERICAL OF THE FINISHED GRADE. SEE 2/AD1.1
10. PROVIDE PIPE BOLLARD PROTECTION POSTS AS REQUIRED BY UTILITY COMPANIES AND OR FIRE AUTHORITIES AT ALL EXTERIOR ELECTRICAL EQUIPMENT AND FIRE PREVENTION DEVICES. PIPE BOLLARD PROTECTION POST DETAILS ARE NOT PROVIDED BY UTILITY COMPANIES AND OR FIRE AUTHORITY SEE DETAIL 3/AD1.1
11. ALL EXPOSED BOARDTEN SIGN DEVICE COVERINGS SHALL BE PAINTED FORREST GREEN.
12. WHERE OCCURS, GENERAL CONTRACTOR TO PROVIDE FLUID APPLIED DAMP PROOFING AT ALL RETAINING AND PLANTER WALLS WHERE THE SIDE OF THE WALL OPPOSITE THE SOIL SIDE IS EXPOSED TO VIEW AND ALL EXTERIOR WALLS WHERE THE ADJACENT FLOOR SLAB IS BELOW GRADE. SEE 19/AD1.1

KEYNOTES

GROSS SITE AREA

SQUARE FOOTAGE	ACRES
184586 SF	4.24

FLOOR AREA RATIO

BUILDING AREA	SITE AREA	FAR ALLOWABLE	FAR PROVIDED
AREA SF			0%

BUILDING AREA SUMMARY

NAME	AREA
GROUND FLOOR	
WAREHOUSE	85532 SF
OFFICE	2500 SF
OVAL	90032 SF
MEZZANINE	
OFFICE	2500 SF
	2500 SF
GROUND LEVEL MEZZANINE	
WAREHOUSE	85532 SF
OFFICE	5000 SF
TOTAL BUILDING AREA	90532 SF

LANDSCAPE AREA SUMMARY

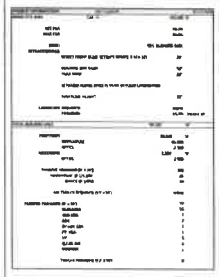
LOT AREA	% LANDSCAPING REQUIRED	LANDSCAPING AREA REQUIRED	% LANDSCAPING PROVIDED	LANDSCAPING PROVIDED
		25889 SF		

TOTAL PARKING REQUIRED

BUILDING USE	BUILDING AREA	PARKING RATIO (1/)	TOTAL REQUIRED
OFFICE	5000 SF	250	20
WAREHOUSE	85532 SF	1800	86
TOTAL	90532 SF		106

PARKING PROVIDED

SPACE TYPE	SPACES PROVIDED
STANDARD STALLS	91
STANDARD ACCESSIBLE STALLS	2
VAN ACCESSIBLE STALLS	1
CLEAN AIR STALLS	4
FUTURE EV CHARGING ONLY STALLS	5
WAREHOUSE EV CHARGING ONLY	1
STANDARD ACCESSIBLE STALLS	
FUTURE EV CHARGING ONLY VAN ACCESSIBLE STALLS	1
TRAILER POOL	1
TOTAL	106



SITE LEGEND

- LANDSCAPE AREA
- CONCRETE PAVING. SEE CIVIL DRAWINGS FOR PAVING SECTIONS
- FIRE HYDRANT. PROVIDE PIPE BOLLARD PROTECTION POSTS AS REQUIRED. SEE 3/AD1.1
- STREET LIGHT
- INDICATES AN ACCESSIBLE ROUTE. MUST COMPLY w/ SITE PLAN GENERAL NOTE #8
- PROPERTY LINE
- DOCK HIGH DOOR
- DRIVE THRU. DOOR

PROJECT
PATRIOT PARTNERS GRAPE ST.
HIGHLAND, CA
FIRST PLANNING SUBMITTAL

HERDMAN
ARCHITECTURE + DESIGN
A21-2263
02.23.2022

SITE PLAN

A1

2/24/2022 8:07:57 A.M.

Attachment B

Parking Ratios at Other Patriot Developments

Ratio of Parking Provided to Square Footage at Other Patriot Warehouses

Project Name	Jurisdiction	Status	Size (SF)	Parking Provided (Spaces)	Ratio (Provided Spaces/TSF)	Parking Required[1] (Spaces)	Ratio (Required Spaces/TSF)
6th & Center	Rancho Cucamonga	Operational	117,293	92	0.784	50	0.426
Banana/Rose	Fontana	Approved	159,115	115	0.723	54	0.338
Willow	Fontana	Approved	160,834	149	0.926	51	0.337
Almond Avenue	Fontana	Approved	146,864	90	0.613	51	0.350
Palmetto Avenue	Fontana	Approved	90,620	82	0.905	40	0.350
Washington/ Live Oak	Fontana	In review; parking ratios accepted	176,987	96	0.542	57	0.443
Perris/Morgan	Perris	In review; parking ratios accepted	284,753	254	0.892	152	0.324
Heacock/ Krameria	Moreno Valley	In review; parking ratios accepted	99,486	72	0.724	45	0.535
			Average Ratio for Other Patriot Projects		*0.764*		*0.401*
6th Street/ Victoria Avenue	Highland	In review	307,445	129	0.420	308	1.098

Notes: SF = square foot; TSF = thousand square feet

[1] Parking required by total building square footage (i.e. parking required is based on warehousing land use; office space is not separated out).

Attachment C

Raw Driveway Counts

Prepared by National Data & Surveying Services

Trip GEN Study

Location: Fender Warehouse Dwy At E Central Ave
City: San Bernardino

DATE	Classification					
	Car		HT		Totals	
	In	Out	In	Out	In	Out
2/2/2021	208	209	27	31	***235***	***240***
2/3/2021	220	229	36	33	***256***	***262***
Totals	***428***	***438***	***63***	***64***	***491***	***502***

Prepared by National Data & Surveying Services

In & Out

Location: Fender Warehouse Dwy At E Central Ave
City: San Bernardino

Date: 2/2/2021
Day: Tuesday

TIME	Cars	
	In	Out
12:00 AM	0	0
12:15 AM	0	0
12:30 AM	1	4
12:45 AM	1	1
1:00 AM	0	11
1:15 AM	0	1
1:30 AM	0	2
1:45 AM	0	0
2:00 AM	0	0
2:15 AM	0	12
2:30 AM	0	1
2:45 AM	1	0
3:00 AM	1	0
3:15 AM	0	0
3:30 AM	0	0
3:45 AM	3	1
4:00 AM	1	0
4:15 AM	7	0
4:30 AM	16	2
4:45 AM	26	1
5:00 AM	5	0
5:15 AM	4	0
5:30 AM	7	0
5:45 AM	30	1
6:00 AM	3	0
6:15 AM	1	0
6:30 AM	1	0
6:45 AM	3	1
7:00 AM	1	2
7:15 AM	2	1
7:30 AM	5	1
7:45 AM	3	1
8:00 AM	0	0
8:15 AM	2	0
8:30 AM	0	1
8:45 AM	1	1
9:00 AM	0	3
9:15 AM	0	1
9:30 AM	1	3
9:45 AM	5	4
10:00 AM	1	0
10:15 AM	2	0
10:30 AM	4	5
10:45 AM	2	2
11:00 AM	1	1
11:15 AM	0	2
11:30 AM	0	2
11:45 AM	1	2
12:00 PM	2	2
12:15 PM	0	0
12:30 PM	0	0
12:45 PM	2	2
1:00 PM	0	1
1:15 PM	4	2
1:30 PM	3	12
1:45 PM	5	2
2:00 PM	1	2
2:15 PM	3	8
2:30 PM	4	33
2:45 PM	6	4
3:00 PM	5	14
3:15 PM	7	2
3:30 PM	2	8
3:45 PM	1	9
4:00 PM	1	3
4:15 PM	0	3
4:30 PM	0	1
4:45 PM	0	3
5:00 PM	0	1
5:15 PM	0	0
5:30 PM	0	0
5:45 PM	0	0
6:00 PM	0	0
6:15 PM	0	1
6:30 PM	4	4
6:45 PM	2	0
7:00 PM	0	2
7:15 PM	0	1
7:30 PM	1	1
7:45 PM	0	0
8:00 PM	4	7
8:15 PM	2	1
8:30 PM	3	1
8:45 PM	1	0
9:00 PM	0	1
9:15 PM	1	1
9:30 PM	1	1
9:45 PM	0	0
10:00 PM	1	0
10:15 PM	0	0
10:30 PM	0	0
10:45 PM	0	1
11:00 PM	0	2
11:15 PM	0	1
11:30 PM	0	0
11:45 PM	0	2
Totals	*208*	*209*

TIME	HT	
	In	Out
12:00 AM	0	3
12:15 AM	0	0
12:30 AM	0	1
12:45 AM	0	0
1:00 AM	0	0
1:15 AM	0	0
1:30 AM	0	0
1:45 AM	0	0
2:00 AM	0	0
2:15 AM	1	0
2:30 AM	1	0
2:45 AM	0	1
3:00 AM	0	1
3:15 AM	0	0
3:30 AM	0	0
3:45 AM	0	0
4:00 AM	1	0
4:15 AM	0	0
4:30 AM	0	0
4:45 AM	0	0
5:00 AM	0	0
5:15 AM	0	0
5:30 AM	0	0
5:45 AM	0	0
6:00 AM	1	1
6:15 AM	0	0
6:30 AM	0	1
6:45 AM	0	0
7:00 AM	0	0
7:15 AM	1	0
7:30 AM	1	0
7:45 AM	0	0
8:00 AM	0	0
8:15 AM	0	0
8:30 AM	1	0
8:45 AM	2	1
9:00 AM	0	2
9:15 AM	0	0
9:30 AM	0	0
9:45 AM	1	1
10:00 AM	0	1
10:15 AM	0	0
10:30 AM	0	0
10:45 AM	0	0
11:00 AM	0	0
11:15 AM	2	0
11:30 AM	0	1
11:45 AM	1	0
12:00 PM	0	1
12:15 PM	0	0
12:30 PM	1	0
12:45 PM	2	1
1:00 PM	1	2
1:15 PM	2	0
1:30 PM	0	3
1:45 PM	1	1
2:00 PM	1	1
2:15 PM	1	0
2:30 PM	0	0
2:45 PM	0	2
3:00 PM	0	0
3:15 PM	0	0
3:30 PM	0	0
3:45 PM	1	0
4:00 PM	0	1
4:15 PM	0	1
4:30 PM	0	0
4:45 PM	0	0
5:00 PM	0	0
5:15 PM	0	0
5:30 PM	1	0
5:45 PM	0	1
6:00 PM	0	0
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7:00 PM	0	0
7:15 PM	0	0
7:30 PM	0	0
7:45 PM	1	0
8:00 PM	0	0
8:15 PM	0	1
8:30 PM	0	0
8:45 PM	0	0
9:00 PM	0	0
9:15 PM	0	0
9:30 PM	1	0
9:45 PM	0	0
10:00 PM	0	0
10:15 PM	1	0
10:30 PM	0	1
10:45 PM	0	0
11:00 PM	0	1
11:15 PM	0	0
11:30 PM	0	0
11:45 PM	0	0
Totals	*27*	*31*

Prepared by National Data & Surveying Services

In & Out

Location: Fender Warehouse Dwy At E Central Ave
City: San Bernardino

Date: 2/3/2021
Day: Wednesday

TIME	Cars	
	In	Out
12:00 AM	0	0
12:15 AM	0	0
12:30 AM	0	2
12:45 AM	1	4
1:00 AM	2	17
1:15 AM	0	4
1:30 AM	0	1
1:45 AM	0	0
2:00 AM	0	0
2:15 AM	1	0
2:30 AM	1	1
2:45 AM	1	0
3:00 AM	2	2
3:15 AM	0	2
3:30 AM	0	0
3:45 AM	1	0
4:00 AM	2	0
4:15 AM	5	0
4:30 AM	12	1
4:45 AM	32	2
5:00 AM	5	0
5:15 AM	4	0
5:30 AM	5	1
5:45 AM	24	1
6:00 AM	13	0
6:15 AM	1	0
6:30 AM	1	0
6:45 AM	3	0
7:00 AM	3	2
7:15 AM	1	2
7:30 AM	0	1
7:45 AM	2	0
8:00 AM	3	1
8:15 AM	3	0
8:30 AM	2	2
8:45 AM	2	1
9:00 AM	0	0
9:15 AM	0	7
9:30 AM	4	3
9:45 AM	4	5
10:00 AM	4	2
10:15 AM	2	0
10:30 AM	2	4
10:45 AM	7	3
11:00 AM	1	4
11:15 AM	2	1
11:30 AM	1	5
11:45 AM	1	0
12:00 PM	3	1
12:15 PM	1	2
12:30 PM	1	2
12:45 PM	1	0
1:00 PM	0	3
1:15 PM	2	0
1:30 PM	2	5
1:45 PM	7	5
2:00 PM	0	2
2:15 PM	3	7
2:30 PM	3	40
2:45 PM	2	11
3:00 PM	4	15
3:15 PM	11	5
3:30 PM	1	7
3:45 PM	0	3
4:00 PM	2	4
4:15 PM	0	2
4:30 PM	1	3
4:45 PM	0	1
5:00 PM	0	1
5:15 PM	0	0
5:30 PM	0	1
5:45 PM	1	0
6:00 PM	0	2
6:15 PM	0	3
6:30 PM	0	1
6:45 PM	1	1
7:00 PM	1	2
7:15 PM	1	1
7:30 PM	0	0
7:45 PM	1	1
8:00 PM	3	7
8:15 PM	3	0
8:30 PM	0	0
8:45 PM	1	0
9:00 PM	2	2
9:15 PM	0	1
9:30 PM	1	1
9:45 PM	0	0
10:00 PM	0	0
10:15 PM	0	0
10:30 PM	0	2
10:45 PM	0	3
11:00 PM	1	0
11:15 PM	0	1
11:30 PM	0	0
11:45 PM	0	0
Totals	220	229

TIME	HT	
	In	Out
12:00 AM	0	0
12:15 AM	0	0
12:30 AM	0	0
12:45 AM	1	0
1:00 AM	0	0
1:15 AM	0	1
1:30 AM	0	0
1:45 AM	0	0
2:00 AM	0	0
2:15 AM	1	0
2:30 AM	0	0
2:45 AM	0	1
3:00 AM	0	0
3:15 AM	0	0
3:30 AM	1	0
3:45 AM	0	0
4:00 AM	0	1
4:15 AM	0	0
4:30 AM	0	0
4:45 AM	1	0
5:00 AM	0	0
5:15 AM	0	0
5:30 AM	0	1
5:45 AM	0	0
6:00 AM	0	0
6:15 AM	0	0
6:30 AM	0	1
6:45 AM	0	0
7:00 AM	1	0
7:15 AM	1	0
7:30 AM	0	0
7:45 AM	0	0
8:00 AM	2	0
8:15 AM	0	0
8:30 AM	0	1
8:45 AM	0	0
9:00 AM	1	0
9:15 AM	1	1
9:30 AM	0	1
9:45 AM	1	0
10:00 AM	0	1
10:15 AM	0	0
10:30 AM	1	0
10:45 AM	1	0
11:00 AM	0	0
11:15 AM	1	1
11:30 AM	1	0
11:45 AM	1	1
12:00 PM	1	0
12:15 PM	0	2
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12:45 PM	1	0
1:00 PM	1	0
1:15 PM	0	2
1:30 PM	2	0
1:45 PM	0	2
2:00 PM	1	3
2:15 PM	2	1
2:30 PM	1	1
2:45 PM	1	2
3:00 PM	0	2
3:15 PM	0	0
3:30 PM	0	0
3:45 PM	1	0
4:00 PM	0	0
4:15 PM	0	0
4:30 PM	2	1
4:45 PM	0	0
5:00 PM	0	1
5:15 PM	0	1
5:30 PM	0	0
5:45 PM	1	0
6:00 PM	1	1
6:15 PM	0	0
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7:00 PM	0	0
7:15 PM	0	0
7:30 PM	0	0
7:45 PM	0	0
8:00 PM	0	0
8:15 PM	0	0
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8:45 PM	0	0
9:00 PM	0	0
9:15 PM	0	0
9:30 PM	0	0
9:45 PM	1	0
10:00 PM	0	0
10:15 PM	0	1
10:30 PM	0	0
10:45 PM	0	0
11:00 PM	0	0
11:15 PM	1	0
11:30 PM	1	0
11:45 PM	2	1
Totals	36	33

Prepared by National Data & Surveying Services

Trip GEN Study

Location: Fender Warehouse Dwy At S Tippecanoe Ave
City: San Bernardino

DATE	Classification					
	Car		HT		Totals	
	In	Out	In	Out	In	Out
2/2/2021	0	1	0	0	***0***	***1***
2/3/2021	3	3	0	0	***3***	***3***
Totals	***3***	***4***	***0***	***0***	***3***	***4***

Prepared by National Data & Surveying Services

In & Out

Location: Fender Warehouse Dwy At S Tippecanoe Ave
City: San Bernardino

Date: 2/2/2021
Day: Tuesday

TIME	Cars	
	In	Out
12:00 AM	0	1
12:15 AM	0	0
12:30 AM	0	0
12:45 AM	0	0
1:00 AM	0	0
1:15 AM	0	0
1:30 AM	0	0
1:45 AM	0	0
2:00 AM	0	0
2:15 AM	0	0
2:30 AM	0	0
2:45 AM	0	0
3:00 AM	0	0
3:15 AM	0	0
3:30 AM	0	0
3:45 AM	0	0
4:00 AM	0	0
4:15 AM	0	0
4:30 AM	0	0
4:45 AM	0	0
5:00 AM	0	0
5:15 AM	0	0
5:30 AM	0	0
5:45 AM	0	0
6:00 AM	0	0
6:15 AM	0	0
6:30 AM	0	0
6:45 AM	0	0
7:00 AM	0	0
7:15 AM	0	0
7:30 AM	0	0
7:45 AM	0	0
8:00 AM	0	0
8:15 AM	0	0
8:30 AM	0	0
8:45 AM	0	0
9:00 AM	0	0
9:15 AM	0	0
9:30 AM	0	0
9:45 AM	0	0
10:00 AM	0	0
10:15 AM	0	0
10:30 AM	0	0
10:45 AM	0	0
11:00 AM	0	0
11:15 AM	0	0
11:30 AM	0	0
11:45 AM	0	0
12:00 PM	0	0
12:15 PM	0	0
12:30 PM	0	0
12:45 PM	0	0
1:00 PM	0	0
1:15 PM	0	0
1:30 PM	0	0
1:45 PM	0	0
2:00 PM	0	0
2:15 PM	0	0
2:30 PM	0	0
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4:00 PM	0	0
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6:30 PM	0	0
6:45 PM	0	0
7:00 PM	0	0
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7:45 PM	0	0
8:00 PM	0	0
8:15 PM	0	0
8:30 PM	0	0
8:45 PM	0	0
9:00 PM	0	0
9:15 PM	0	0
9:30 PM	0	0
9:45 PM	0	0
10:00 PM	0	0
10:15 PM	0	0
10:30 PM	0	0
10:45 PM	0	0
11:00 PM	0	0
11:15 PM	0	0
11:30 PM	0	0
11:45 PM	0	0
Totals	0	1

TIME	HT	
	In	Out
12:00 AM	0	0
12:15 AM	0	0
12:30 AM	0	0
12:45 AM	0	0
1:00 AM	0	0
1:15 AM	0	0
1:30 AM	0	0
1:45 AM	0	0
2:00 AM	0	0
2:15 AM	0	0
2:30 AM	0	0
2:45 AM	0	0
3:00 AM	0	0
3:15 AM	0	0
3:30 AM	0	0
3:45 AM	0	0
4:00 AM	0	0
4:15 AM	0	0
4:30 AM	0	0
4:45 AM	0	0
5:00 AM	0	0
5:15 AM	0	0
5:30 AM	0	0
5:45 AM	0	0
6:00 AM	0	0
6:15 AM	0	0
6:30 AM	0	0
6:45 AM	0	0
7:00 AM	0	0
7:15 AM	0	0
7:30 AM	0	0
7:45 AM	0	0
8:00 AM	0	0
8:15 AM	0	0
8:30 AM	0	0
8:45 AM	0	0
9:00 AM	0	0
9:15 AM	0	0
9:30 AM	0	0
9:45 AM	0	0
10:00 AM	0	0
10:15 AM	0	0
10:30 AM	0	0
10:45 AM	0	0
11:00 AM	0	0
11:15 AM	0	0
11:30 AM	0	0
11:45 AM	0	0
12:00 PM	0	0
12:15 PM	0	0
12:30 PM	0	0
12:45 PM	0	0
1:00 PM	0	0
1:15 PM	0	0
1:30 PM	0	0
1:45 PM	0	0
2:00 PM	0	0
2:15 PM	0	0
2:30 PM	0	0
2:45 PM	0	0
3:00 PM	0	0
3:15 PM	0	0
3:30 PM	0	0
3:45 PM	0	0
4:00 PM	0	0
4:15 PM	0	0
4:30 PM	0	0
4:45 PM	0	0
5:00 PM	0	0
5:15 PM	0	0
5:30 PM	0	0
5:45 PM	0	0
6:00 PM	0	0
6:15 PM	0	0
6:30 PM	0	0
6:45 PM	0	0
7:00 PM	0	0
7:15 PM	0	0
7:30 PM	0	0
7:45 PM	0	0
8:00 PM	0	0
8:15 PM	0	0
8:30 PM	0	0
8:45 PM	0	0
9:00 PM	0	0
9:15 PM	0	0
9:30 PM	0	0
9:45 PM	0	0
10:00 PM	0	0
10:15 PM	0	0
10:30 PM	0	0
10:45 PM	0	0
11:00 PM	0	0
11:15 PM	0	0
11:30 PM	0	0
11:45 PM	0	0
Totals	0	0

Prepared by National Data & Surveying Services

In & Out

Location: Fender Warehouse Dwy At S Tippecanoe Ave
City: San Bernardino

Date: 2/3/2021
Day: Wednesday

TIME	Cars	
	In	Out
12:00 AM	0	0
12:15 AM	0	0
12:30 AM	0	0
12:45 AM	0	0
1:00 AM	0	0
1:15 AM	0	0
1:30 AM	0	0
1:45 AM	0	0
2:00 AM	1	0
2:15 AM	0	1
2:30 AM	0	0
2:45 AM	0	0
3:00 AM	0	0
3:15 AM	0	0
3:30 AM	0	0
3:45 AM	0	0
4:00 AM	0	0
4:15 AM	0	0
4:30 AM	0	0
4:45 AM	0	0
5:00 AM	0	0
5:15 AM	0	0
5:30 AM	1	0
5:45 AM	1	0
6:00 AM	0	2
6:15 AM	0	0
6:30 AM	0	0
6:45 AM	0	0
7:00 AM	0	0
7:15 AM	0	0
7:30 AM	0	0
7:45 AM	0	0
8:00 AM	0	0
8:15 AM	0	0
8:30 AM	0	0
8:45 AM	0	0
9:00 AM	0	0
9:15 AM	0	0
9:30 AM	0	0
9:45 AM	0	0
10:00 AM	0	0
10:15 AM	0	0
10:30 AM	0	0
10:45 AM	0	0
11:00 AM	0	0
11:15 AM	0	0
11:30 AM	0	0
11:45 AM	0	0
12:00 PM	0	0
12:15 PM	0	0
12:30 PM	0	0
12:45 PM	0	0
1:00 PM	0	0
1:15 PM	0	0
1:30 PM	0	0
1:45 PM	0	0
2:00 PM	0	0
2:15 PM	0	0
2:30 PM	0	0
2:45 PM	0	0
3:00 PM	0	0
3:15 PM	0	0
3:30 PM	0	0
3:45 PM	0	0
4:00 PM	0	0
4:15 PM	0	0
4:30 PM	0	0
4:45 PM	0	0
5:00 PM	0	0
5:15 PM	0	0
5:30 PM	0	0
5:45 PM	0	0
6:00 PM	0	0
6:15 PM	0	0
6:30 PM	0	0
6:45 PM	0	0
7:00 PM	0	0
7:15 PM	0	0
7:30 PM	0	0
7:45 PM	0	0
8:00 PM	0	0
8:15 PM	0	0
8:30 PM	0	0
8:45 PM	0	0
9:00 PM	0	0
9:15 PM	0	0
9:30 PM	0	0
9:45 PM	0	0
10:00 PM	0	0
10:15 PM	0	0
10:30 PM	0	0
10:45 PM	0	0
11:00 PM	0	0
11:15 PM	0	0
11:30 PM	0	0
11:45 PM	0	0
Totals	3	3

TIME	HT	
	In	Out
12:00 AM	0	0
12:15 AM	0	0
12:30 AM	0	0
12:45 AM	0	0
1:00 AM	0	0
1:15 AM	0	0
1:30 AM	0	0
1:45 AM	0	0
2:00 AM	0	0
2:15 AM	0	0
2:30 AM	0	0
2:45 AM	0	0
3:00 AM	0	0
3:15 AM	0	0
3:30 AM	0	0
3:45 AM	0	0
4:00 AM	0	0
4:15 AM	0	0
4:30 AM	0	0
4:45 AM	0	0
5:00 AM	0	0
5:15 AM	0	0
5:30 AM	0	0
5:45 AM	0	0
6:00 AM	0	0
6:15 AM	0	0
6:30 AM	0	0
6:45 AM	0	0
7:00 AM	0	0
7:15 AM	0	0
7:30 AM	0	0
7:45 AM	0	0
8:00 AM	0	0
8:15 AM	0	0
8:30 AM	0	0
8:45 AM	0	0
9:00 AM	0	0
9:15 AM	0	0
9:30 AM	0	0
9:45 AM	0	0
10:00 AM	0	0
10:15 AM	0	0
10:30 AM	0	0
10:45 AM	0	0
11:00 AM	0	0
11:15 AM	0	0
11:30 AM	0	0
11:45 AM	0	0
12:00 PM	0	0
12:15 PM	0	0
12:30 PM	0	0
12:45 PM	0	0
1:00 PM	0	0
1:15 PM	0	0
1:30 PM	0	0
1:45 PM	0	0
2:00 PM	0	0
2:15 PM	0	0
2:30 PM	0	0
2:45 PM	0	0
3:00 PM	0	0
3:15 PM	0	0
3:30 PM	0	0
3:45 PM	0	0
4:00 PM	0	0
4:15 PM	0	0
4:30 PM	0	0
4:45 PM	0	0
5:00 PM	0	0
5:15 PM	0	0
5:30 PM	0	0
5:45 PM	0	0
6:00 PM	0	0
6:15 PM	0	0
6:30 PM	0	0
6:45 PM	0	0
7:00 PM	0	0
7:15 PM	0	0
7:30 PM	0	0
7:45 PM	0	0
8:00 PM	0	0
8:15 PM	0	0
8:30 PM	0	0
8:45 PM	0	0
9:00 PM	0	0
9:15 PM	0	0
9:30 PM	0	0
9:45 PM	0	0
10:00 PM	0	0
10:15 PM	0	0
10:30 PM	0	0
10:45 PM	0	0
11:00 PM	0	0
11:15 PM	0	0
11:30 PM	0	0
11:45 PM	0	0
Totals	0	0

Prepared by National Data & Surveying Services

Trip GEN Study

Location: 2AM Logistics BMW Parts Distribution Center Dwy At Almond Ave
City: Redlands

DATE	Classification					
	Car		HT		Totals	
	In	Out	In	Out	In	Out
2/2/2021	0	0	0	0	***0***	***0***
2/3/2021	4	5	0	0	***4***	***5***
Totals	*4*	*5*	*0*	*0*	*4*	*5*

Prepared by National Data & Surveying Services

In & Out

Location: 2AM Logistics BMW Parts Distribution Center Dwy At Almond Ave
City: Redlands

Date: 2/2/2021
Day: Tuesday

TIME	Cars	
	In	Out
12:00 AM	0	0
12:15 AM	0	0
12:30 AM	0	0
12:45 AM	0	0
1:00 AM	0	0
1:15 AM	0	0
1:30 AM	0	0
1:45 AM	0	0
2:00 AM	0	0
2:15 AM	0	0
2:30 AM	0	0
2:45 AM	0	0
3:00 AM	0	0
3:15 AM	0	0
3:30 AM	0	0
3:45 AM	0	0
4:00 AM	0	0
4:15 AM	0	0
4:30 AM	0	0
4:45 AM	0	0
5:00 AM	0	0
5:15 AM	0	0
5:30 AM	0	0
5:45 AM	0	0
6:00 AM	0	0
6:15 AM	0	0
6:30 AM	0	0
6:45 AM	0	0
7:00 AM	0	0
7:15 AM	0	0
7:30 AM	0	0
7:45 AM	0	0
8:00 AM	0	0
8:15 AM	0	0
8:30 AM	0	0
8:45 AM	0	0
9:00 AM	0	0
9:15 AM	0	0
9:30 AM	0	0
9:45 AM	0	0
10:00 AM	0	0
10:15 AM	0	0
10:30 AM	0	0
10:45 AM	0	0
11:00 AM	0	0
11:15 AM	0	0
11:30 AM	0	0
11:45 AM	0	0
12:00 PM	0	0
12:15 PM	0	0
12:30 PM	0	0
12:45 PM	0	0
1:00 PM	0	0
1:15 PM	0	0
1:30 PM	0	0
1:45 PM	0	0
2:00 PM	0	0
2:15 PM	0	0
2:30 PM	0	0
2:45 PM	0	0
3:00 PM	0	0
3:15 PM	0	0
3:30 PM	0	0
3:45 PM	0	0
4:00 PM	0	0
4:15 PM	0	0
4:30 PM	0	0
4:45 PM	0	0
5:00 PM	0	0
5:15 PM	0	0
5:30 PM	0	0
5:45 PM	0	0
6:00 PM	0	0
6:15 PM	0	0
6:30 PM	0	0
6:45 PM	0	0
7:00 PM	0	0
7:15 PM	0	0
7:30 PM	0	0
7:45 PM	0	0
8:00 PM	0	0
8:15 PM	0	0
8:30 PM	0	0
8:45 PM	0	0
9:00 PM	0	0
9:15 PM	0	0
9:30 PM	0	0
9:45 PM	0	0
10:00 PM	0	0
10:15 PM	0	0
10:30 PM	0	0
10:45 PM	0	0
11:00 PM	0	0
11:15 PM	0	0
11:30 PM	0	0
11:45 PM	0	0
Totals	*0*	*0*

TIME	HT	
	In	Out
12:00 AM	0	0
12:15 AM	0	0
12:30 AM	0	0
12:45 AM	0	0
1:00 AM	0	0
1:15 AM	0	0
1:30 AM	0	0
1:45 AM	0	0
2:00 AM	0	0
2:15 AM	0	0
2:30 AM	0	0
2:45 AM	0	0
3:00 AM	0	0
3:15 AM	0	0
3:30 AM	0	0
3:45 AM	0	0
4:00 AM	0	0
4:15 AM	0	0
4:30 AM	0	0
4:45 AM	0	0
5:00 AM	0	0
5:15 AM	0	0
5:30 AM	0	0
5:45 AM	0	0
6:00 AM	0	0
6:15 AM	0	0
6:30 AM	0	0
6:45 AM	0	0
7:00 AM	0	0
7:15 AM	0	0
7:30 AM	0	0
7:45 AM	0	0
8:00 AM	0	0
8:15 AM	0	0
8:30 AM	0	0
8:45 AM	0	0
9:00 AM	0	0
9:15 AM	0	0
9:30 AM	0	0
9:45 AM	0	0
10:00 AM	0	0
10:15 AM	0	0
10:30 AM	0	0
10:45 AM	0	0
11:00 AM	0	0
11:15 AM	0	0
11:30 AM	0	0
11:45 AM	0	0
12:00 PM	0	0
12:15 PM	0	0
12:30 PM	0	0
12:45 PM	0	0
1:00 PM	0	0
1:15 PM	0	0
1:30 PM	0	0
1:45 PM	0	0
2:00 PM	0	0
2:15 PM	0	0
2:30 PM	0	0
2:45 PM	0	0
3:00 PM	0	0
3:15 PM	0	0
3:30 PM	0	0
3:45 PM	0	0
4:00 PM	0	0
4:15 PM	0	0
4:30 PM	0	0
4:45 PM	0	0
5:00 PM	0	0
5:15 PM	0	0
5:30 PM	0	0
5:45 PM	0	0
6:00 PM	0	0
6:15 PM	0	0
6:30 PM	0	0
6:45 PM	0	0
7:00 PM	0	0
7:15 PM	0	0
7:30 PM	0	0
7:45 PM	0	0
8:00 PM	0	0
8:15 PM	0	0
8:30 PM	0	0
8:45 PM	0	0
9:00 PM	0	0
9:15 PM	0	0
9:30 PM	0	0
9:45 PM	0	0
10:00 PM	0	0
10:15 PM	0	0
10:30 PM	0	0
10:45 PM	0	0
11:00 PM	0	0
11:15 PM	0	0
11:30 PM	0	0
11:45 PM	0	0
Totals	*0*	*0*

Prepared by National Data & Surveying Services

In & Out

Location: 2AM Logistics BMW Parts Distribution Center Dwy At Almond Ave
City: Redlands

Date: 2/3/2021
Day: Wednesday

TIME	Cars	
	In	Out
12:00 AM	0	0
12:15 AM	0	0
12:30 AM	0	0
12:45 AM	0	0
1:00 AM	0	0
1:15 AM	0	0
1:30 AM	0	0
1:45 AM	0	0
2:00 AM	0	0
2:15 AM	0	0
2:30 AM	1	0
2:45 AM	0	1
3:00 AM	0	0
3:15 AM	0	0
3:30 AM	0	0
3:45 AM	0	0
4:00 AM	0	0
4:15 AM	0	0
4:30 AM	0	0
4:45 AM	0	0
5:00 AM	0	0
5:15 AM	0	0
5:30 AM	0	0
5:45 AM	0	0
6:00 AM	0	0
6:15 AM	0	0
6:30 AM	0	0
6:45 AM	0	0
7:00 AM	0	0
7:15 AM	1	1
7:30 AM	0	0
7:45 AM	0	0
8:00 AM	0	0
8:15 AM	0	0
8:30 AM	0	0
8:45 AM	0	0
9:00 AM	0	0
9:15 AM	0	1
9:30 AM	0	0
9:45 AM	0	0
10:00 AM	0	0
10:15 AM	0	0
10:30 AM	0	0
10:45 AM	0	0
11:00 AM	0	0
11:15 AM	1	0
11:30 AM	1	2
11:45 AM	0	0
12:00 PM	0	0
12:15 PM	0	0
12:30 PM	0	0
12:45 PM	0	0
1:00 PM	0	0
1:15 PM	0	0
1:30 PM	0	0
1:45 PM	0	0
2:00 PM	0	0
2:15 PM	0	0
2:30 PM	0	0
2:45 PM	0	0
3:00 PM	0	0
3:15 PM	0	0
3:30 PM	0	0
3:45 PM	0	0
4:00 PM	0	0
4:15 PM	0	0
4:30 PM	0	0
4:45 PM	0	0
5:00 PM	0	0
5:15 PM	0	0
5:30 PM	0	0
5:45 PM	0	0
6:00 PM	0	0
6:15 PM	0	0
6:30 PM	0	0
6:45 PM	0	0
7:00 PM	0	0
7:15 PM	0	0
7:30 PM	0	0
7:45 PM	0	0
8:00 PM	0	0
8:15 PM	0	0
8:30 PM	0	0
8:45 PM	0	0
9:00 PM	0	0
9:15 PM	0	0
9:30 PM	0	0
9:45 PM	0	0
10:00 PM	0	0
10:15 PM	0	0
10:30 PM	0	0
10:45 PM	0	0
11:00 PM	0	0
11:15 PM	0	0
11:30 PM	0	0
11:45 PM	0	0
Totals	4	5

TIME	HT	
	In	Out
12:00 AM	0	0
12:15 AM	0	0
12:30 AM	0	0
12:45 AM	0	0
1:00 AM	0	0
1:15 AM	0	0
1:30 AM	0	0
1:45 AM	0	0
2:00 AM	0	0
2:15 AM	0	0
2:30 AM	0	0
2:45 AM	0	0
3:00 AM	0	0
3:15 AM	0	0
3:30 AM	0	0
3:45 AM	0	0
4:00 AM	0	0
4:15 AM	0	0
4:30 AM	0	0
4:45 AM	0	0
5:00 AM	0	0
5:15 AM	0	0
5:30 AM	0	0
5:45 AM	0	0
6:00 AM	0	0
6:15 AM	0	0
6:30 AM	0	0
6:45 AM	0	0
7:00 AM	0	0
7:15 AM	0	0
7:30 AM	0	0
7:45 AM	0	0
8:00 AM	0	0
8:15 AM	0	0
8:30 AM	0	0
8:45 AM	0	0
9:00 AM	0	0
9:15 AM	0	0
9:30 AM	0	0
9:45 AM	0	0
10:00 AM	0	0
10:15 AM	0	0
10:30 AM	0	0
10:45 AM	0	0
11:00 AM	0	0
11:15 AM	0	0
11:30 AM	0	0
11:45 AM	0	0
12:00 PM	0	0
12:15 PM	0	0
12:30 PM	0	0
12:45 PM	0	0
1:00 PM	0	0
1:15 PM	0	0
1:30 PM	0	0
1:45 PM	0	0
2:00 PM	0	0
2:15 PM	0	0
2:30 PM	0	0
2:45 PM	0	0
3:00 PM	0	0
3:15 PM	0	0
3:30 PM	0	0
3:45 PM	0	0
4:00 PM	0	0
4:15 PM	0	0
4:30 PM	0	0
4:45 PM	0	0
5:00 PM	0	0
5:15 PM	0	0
5:30 PM	0	0
5:45 PM	0	0
6:00 PM	0	0
6:15 PM	0	0
6:30 PM	0	0
6:45 PM	0	0
7:00 PM	0	0
7:15 PM	0	0
7:30 PM	0	0
7:45 PM	0	0
8:00 PM	0	0
8:15 PM	0	0
8:30 PM	0	0
8:45 PM	0	0
9:00 PM	0	0
9:15 PM	0	0
9:30 PM	0	0
9:45 PM	0	0
10:00 PM	0	0
10:15 PM	0	0
10:30 PM	0	0
10:45 PM	0	0
11:00 PM	0	0
11:15 PM	0	0
11:30 PM	0	0
11:45 PM	0	0
Totals	0	0

Prepared by National Data & Surveying Services

Trip GEN Study

Location: 2AM Logistics BMW Parts Distribution Center North Dwy At Nevada St
City: Redlands

DATE	Classification					
	Car		HT		Totals	
	In	Out	In	Out	In	Out
2/2/2021	134	136	2	2	***136***	***138***
2/3/2021	130	132	5	5	***135***	***137***
Totals	***264***	***268***	*7*	*7*	***271***	***275***

Prepared by National Data & Surveying Services

In & Out

Location: 2AM Logistics BMW Parts Distribution Center North Dwy At Nevada St
City: Redlands

Date: 2/2/2021
Day: Tuesday

TIME	Cars	
	In	Out
12:00 AM	0	0
12:15 AM	0	0
12:30 AM	0	0
12:45 AM	0	0
1:00 AM	0	0
1:15 AM	0	0
1:30 AM	0	0
1:45 AM	1	0
2:00 AM	1	0
2:15 AM	0	0
2:30 AM	1	0
2:45 AM	0	0
3:00 AM	1	0
3:15 AM	8	0
3:30 AM	15	0
3:45 AM	18	0
4:00 AM	3	0
4:15 AM	1	0
4:30 AM	0	0
4:45 AM	1	0
5:00 AM	0	1
5:15 AM	0	0
5:30 AM	0	0
5:45 AM	0	0
6:00 AM	0	0
6:15 AM	0	0
6:30 AM	0	2
6:45 AM	1	0
7:00 AM	2	1
7:15 AM	1	1
7:30 AM	0	0
7:45 AM	0	0
8:00 AM	1	1
8:15 AM	1	2
8:30 AM	1	1
8:45 AM	0	1
9:00 AM	1	5
9:15 AM	2	2
9:30 AM	0	0
9:45 AM	1	2
10:00 AM	1	1
10:15 AM	0	0
10:30 AM	0	0
10:45 AM	2	3
11:00 AM	0	2
11:15 AM	0	0
11:30 AM	1	1
11:45 AM	2	1
12:00 PM	0	0
12:15 PM	0	2
12:30 PM	17	44
12:45 PM	23	1
1:00 PM	2	1
1:15 PM	0	0
1:30 PM	1	1
1:45 PM	0	0
2:00 PM	1	0
2:15 PM	0	1
2:30 PM	0	3
2:45 PM	1	0
3:00 PM	0	0
3:15 PM	0	0
3:30 PM	0	0
3:45 PM	2	0
4:00 PM	0	1
4:15 PM	0	0
4:30 PM	0	0
4:45 PM	1	2
5:00 PM	2	3
5:15 PM	2	1
5:30 PM	2	3
5:45 PM	1	1
6:00 PM	1	0
6:15 PM	0	1
6:30 PM	1	0
6:45 PM	0	0
7:00 PM	1	2
7:15 PM	1	0
7:30 PM	3	1
7:45 PM	0	0
8:00 PM	1	0
8:15 PM	1	0
8:30 PM	1	0
8:45 PM	1	2
9:00 PM	0	2
9:15 PM	0	2
9:30 PM	0	34
9:45 PM	0	1
10:00 PM	1	0
10:15 PM	0	0
10:30 PM	0	0
10:45 PM	0	0
11:00 PM	0	0
11:15 PM	0	0
11:30 PM	0	0
11:45 PM	0	0
Totals	134	136

TIME	HT	
	In	Out
12:00 AM	0	0
12:15 AM	0	0
12:30 AM	0	0
12:45 AM	0	0
1:00 AM	0	0
1:15 AM	0	0
1:30 AM	0	0
1:45 AM	0	0
2:00 AM	0	0
2:15 AM	0	0
2:30 AM	0	0
2:45 AM	0	0
3:00 AM	0	0
3:15 AM	0	0
3:30 AM	0	0
3:45 AM	0	0
4:00 AM	0	0
4:15 AM	0	0
4:30 AM	0	0
4:45 AM	0	0
5:00 AM	0	0
5:15 AM	0	0
5:30 AM	0	0
5:45 AM	0	0
6:00 AM	0	0
6:15 AM	0	0
6:30 AM	0	0
6:45 AM	0	0
7:00 AM	0	0
7:15 AM	0	0
7:30 AM	0	0
7:45 AM	0	0
8:00 AM	0	0
8:15 AM	0	0
8:30 AM	0	0
8:45 AM	0	0
9:00 AM	0	0
9:15 AM	0	0
9:30 AM	0	1
9:45 AM	0	0
10:00 AM	0	0
10:15 AM	0	0
10:30 AM	0	0
10:45 AM	0	0
11:00 AM	0	0
11:15 AM	0	0
11:30 AM	0	0
11:45 AM	0	0
12:00 PM	0	0
12:15 PM	0	0
12:30 PM	0	0
12:45 PM	1	1
1:00 PM	0	0
1:15 PM	0	0
1:30 PM	0	0
1:45 PM	0	0
2:00 PM	0	0
2:15 PM	0	0
2:30 PM	0	0
2:45 PM	0	0
3:00 PM	0	0
3:15 PM	0	0
3:30 PM	0	0
3:45 PM	0	0
4:00 PM	0	0
4:15 PM	0	0
4:30 PM	0	0
4:45 PM	0	0
5:00 PM	0	0
5:15 PM	1	0
5:30 PM	0	0
5:45 PM	0	0
6:00 PM	0	0
6:15 PM	0	0
6:30 PM	0	0
6:45 PM	0	0
7:00 PM	0	0
7:15 PM	0	0
7:30 PM	0	0
7:45 PM	0	0
8:00 PM	0	0
8:15 PM	0	0
8:30 PM	0	0
8:45 PM	0	0
9:00 PM	0	0
9:15 PM	0	0
9:30 PM	0	0
9:45 PM	0	0
10:00 PM	0	0
10:15 PM	0	0
10:30 PM	0	0
10:45 PM	0	0
11:00 PM	0	0
11:15 PM	0	0
11:30 PM	0	0
11:45 PM	0	0
Totals	2	2

Prepared by National Data & Surveying Services

In & Out

Location: 2AM Logistics BMW Parts Distribution Center North Dwy At Nevada St
City: Redlands

Date: 2/3/2021
Day: Wednesday

TIME	Cars	
	In	Out
12:00 AM	0	0
12:15 AM	0	0
12:30 AM	0	0
12:45 AM	0	0
1:00 AM	0	0
1:15 AM	0	0
1:30 AM	0	0
1:45 AM	0	0
2:00 AM	2	0
2:15 AM	0	0
2:30 AM	1	0
2:45 AM	1	0
3:00 AM	0	1
3:15 AM	8	0
3:30 AM	8	0
3:45 AM	19	0
4:00 AM	3	0
4:15 AM	1	0
4:30 AM	1	0
4:45 AM	0	1
5:00 AM	0	0
5:15 AM	0	0
5:30 AM	0	1
5:45 AM	2	1
6:00 AM	0	1
6:15 AM	2	0
6:30 AM	0	0
6:45 AM	1	1
7:00 AM	0	0
7:15 AM	1	0
7:30 AM	1	1
7:45 AM	1	1
8:00 AM	1	3
8:15 AM	2	1
8:30 AM	0	2
8:45 AM	1	2
9:00 AM	0	0
9:15 AM	0	1
9:30 AM	1	1
9:45 AM	2	2
10:00 AM	0	2
10:15 AM	1	0
10:30 AM	0	1
10:45 AM	2	3
11:00 AM	0	1
11:15 AM	0	0
11:30 AM	0	2
11:45 AM	1	0
12:00 PM	0	0
12:15 PM	0	3
12:30 PM	8	39
12:45 PM	30	1
1:00 PM	2	0
1:15 PM	1	0
1:30 PM	0	3
1:45 PM	0	0
2:00 PM	0	0
2:15 PM	0	0
2:30 PM	0	0
2:45 PM	0	0
3:00 PM	0	0
3:15 PM	1	0
3:30 PM	1	0
3:45 PM	1	2
4:00 PM	1	1
4:15 PM	0	0
4:30 PM	0	0
4:45 PM	0	0
5:00 PM	1	3
5:15 PM	2	3
5:30 PM	4	3
5:45 PM	3	0
6:00 PM	0	1
6:15 PM	0	0
6:30 PM	0	0
6:45 PM	0	0
7:00 PM	0	0
7:15 PM	0	0
7:30 PM	4	0
7:45 PM	1	0
8:00 PM	0	1
8:15 PM	1	0
8:30 PM	2	0
8:45 PM	1	1
9:00 PM	2	1
9:15 PM	0	6
9:30 PM	0	34
9:45 PM	1	1
10:00 PM	0	0
10:15 PM	0	0
10:30 PM	0	0
10:45 PM	0	0
11:00 PM	0	0
11:15 PM	0	0
11:30 PM	0	0
11:45 PM	0	0
Totals	130	132

TIME	HT	
	In	Out
12:00 AM	0	0
12:15 AM	0	0
12:30 AM	0	0
12:45 AM	0	0
1:00 AM	0	0
1:15 AM	0	0
1:30 AM	0	0
1:45 AM	0	0
2:00 AM	0	0
2:15 AM	0	0
2:30 AM	0	0
2:45 AM	0	0
3:00 AM	0	0
3:15 AM	0	0
3:30 AM	0	0
3:45 AM	0	0
4:00 AM	0	0
4:15 AM	0	0
4:30 AM	0	0
4:45 AM	0	0
5:00 AM	0	0
5:15 AM	0	0
5:30 AM	0	0
5:45 AM	0	0
6:00 AM	0	0
6:15 AM	0	0
6:30 AM	0	0
6:45 AM	0	0
7:00 AM	0	0
7:15 AM	0	0
7:30 AM	0	0
7:45 AM	0	0
8:00 AM	0	0
8:15 AM	0	0
8:30 AM	0	0
8:45 AM	0	0
9:00 AM	0	0
9:15 AM	0	0
9:30 AM	0	0
9:45 AM	0	1
10:00 AM	0	0
10:15 AM	0	0
10:30 AM	1	0
10:45 AM	0	0
11:00 AM	0	0
11:15 AM	0	0
11:30 AM	0	0
11:45 AM	0	0
12:00 PM	0	0
12:15 PM	0	0
12:30 PM	0	1
12:45 PM	0	0
1:00 PM	0	0
1:15 PM	1	0
1:30 PM	0	0
1:45 PM	0	0
2:00 PM	1	0
2:15 PM	0	1
2:30 PM	0	0
2:45 PM	1	1
3:00 PM	0	0
3:15 PM	0	0
3:30 PM	0	0
3:45 PM	0	0
4:00 PM	0	0
4:15 PM	0	0
4:30 PM	0	0
4:45 PM	1	0
5:00 PM	0	1
5:15 PM	0	0
5:30 PM	0	0
5:45 PM	0	0
6:00 PM	0	0
6:15 PM	0	0
6:30 PM	0	0
6:45 PM	0	0
7:00 PM	0	0
7:15 PM	0	0
7:30 PM	0	0
7:45 PM	0	0
8:00 PM	0	0
8:15 PM	0	0
8:30 PM	0	0
8:45 PM	0	0
9:00 PM	0	0
9:15 PM	0	0
9:30 PM	0	0
9:45 PM	0	0
10:00 PM	0	0
10:15 PM	0	0
10:30 PM	0	0
10:45 PM	0	0
11:00 PM	0	0
11:15 PM	0	0
11:30 PM	0	0
11:45 PM	0	0
Totals	5	5

Prepared by National Data & Surveying Services

Trip GEN Study

Location: 2AM Logistics BMW Parts Distribution Center South Dwy At Nevada St
City: Redlands

DATE	Classification					
	Car		HT		Totals	
	In	Out	In	Out	In	Out
2/2/2021	15	15	35	33	***50***	***48***
2/3/2021	8	8	33	35	***41***	***43***
Totals	***23***	***23***	***68***	***68***	***91***	***91***

Prepared by National Data & Surveying Services

In & Out

Location: 2AM Logistics BMW Parts Distribution Center South Dwy At Nevada St
City: Redlands

Date: 2/2/2021
Day: Tuesday

TIME	Cars	
	In	Out
12:00 AM	0	0
12:15 AM	0	0
12:30 AM	0	0
12:45 AM	0	0
1:00 AM	0	0
1:15 AM	0	0
1:30 AM	0	0
1:45 AM	0	0
2:00 AM	0	0
2:15 AM	0	0
2:30 AM	0	0
2:45 AM	0	0
3:00 AM	0	0
3:15 AM	0	0
3:30 AM	0	0
3:45 AM	0	0
4:00 AM	0	0
4:15 AM	0	0
4:30 AM	0	0
4:45 AM	0	0
5:00 AM	0	0
5:15 AM	0	0
5:30 AM	0	0
5:45 AM	0	0
6:00 AM	0	0
6:15 AM	0	0
6:30 AM	0	0
6:45 AM	1	1
7:00 AM	0	0
7:15 AM	0	0
7:30 AM	0	0
7:45 AM	0	0
8:00 AM	2	0
8:15 AM	0	2
8:30 AM	1	1
8:45 AM	0	0
9:00 AM	1	0
9:15 AM	0	0
9:30 AM	0	0
9:45 AM	0	0
10:00 AM	0	0
10:15 AM	0	0
10:30 AM	1	1
10:45 AM	1	1
11:00 AM	1	0
11:15 AM	0	0
11:30 AM	0	1
11:45 AM	0	0
12:00 PM	1	1
12:15 PM	0	1
12:30 PM	2	2
12:45 PM	0	0
1:00 PM	1	0
1:15 PM	0	0
1:30 PM	0	1
1:45 PM	0	0
2:00 PM	0	0
2:15 PM	0	0
2:30 PM	0	0
2:45 PM	0	0
3:00 PM	0	0
3:15 PM	1	1
3:30 PM	0	0
3:45 PM	0	0
4:00 PM	0	0
4:15 PM	0	0
4:30 PM	0	0
4:45 PM	0	0
5:00 PM	0	0
5:15 PM	0	0
5:30 PM	0	0
5:45 PM	1	1
6:00 PM	1	0
6:15 PM	0	1
6:30 PM	0	0
6:45 PM	0	0
7:00 PM	0	0
7:15 PM	0	0
7:30 PM	0	0
7:45 PM	0	0
8:00 PM	0	0
8:15 PM	0	0
8:30 PM	0	0
8:45 PM	0	0
9:00 PM	0	0
9:15 PM	0	0
9:30 PM	0	0
9:45 PM	0	0
10:00 PM	0	0
10:15 PM	0	0
10:30 PM	0	0
10:45 PM	0	0
11:00 PM	0	0
11:15 PM	0	0
11:30 PM	0	0
11:45 PM	0	0
Totals	15	15

TIME	HT	
	In	Out
12:00 AM	0	0
12:15 AM	0	0
12:30 AM	0	0
12:45 AM	0	0
1:00 AM	0	0
1:15 AM	1	0
1:30 AM	0	1
1:45 AM	0	0
2:00 AM	0	0
2:15 AM	0	0
2:30 AM	0	0
2:45 AM	0	1
3:00 AM	0	0
3:15 AM	0	0
3:30 AM	0	0
3:45 AM	0	0
4:00 AM	0	0
4:15 AM	0	0
4:30 AM	0	0
4:45 AM	0	0
5:00 AM	0	0
5:15 AM	0	0
5:30 AM	0	0
5:45 AM	0	0
6:00 AM	0	0
6:15 AM	0	0
6:30 AM	0	0
6:45 AM	0	0
7:00 AM	1	0
7:15 AM	0	0
7:30 AM	1	0
7:45 AM	1	0
8:00 AM	1	1
8:15 AM	0	0
8:30 AM	2	1
8:45 AM	3	0
9:00 AM	1	0
9:15 AM	1	0
9:30 AM	1	0
9:45 AM	1	0
10:00 AM	2	1
10:15 AM	0	2
10:30 AM	1	0
10:45 AM	1	0
11:00 AM	0	1
11:15 AM	0	1
11:30 AM	1	2
11:45 AM	0	0
12:00 PM	1	0
12:15 PM	0	1
12:30 PM	0	0
12:45 PM	1	0
1:00 PM	0	0
1:15 PM	0	0
1:30 PM	2	1
1:45 PM	0	1
2:00 PM	2	0
2:15 PM	0	0
2:30 PM	0	0
2:45 PM	0	0
3:00 PM	1	0
3:15 PM	0	3
3:30 PM	1	0
3:45 PM	0	1
4:00 PM	1	0
4:15 PM	0	0
4:30 PM	1	0
4:45 PM	0	0
5:00 PM	0	0
5:15 PM	0	1
5:30 PM	1	1
5:45 PM	0	0
6:00 PM	1	0
6:15 PM	0	1
6:30 PM	0	0
6:45 PM	1	0
7:00 PM	0	0
7:15 PM	0	1
7:30 PM	0	0
7:45 PM	0	0
8:00 PM	0	0
8:15 PM	0	0
8:30 PM	0	1
8:45 PM	0	3
9:00 PM	0	2
9:15 PM	0	1
9:30 PM	0	1
9:45 PM	0	0
10:00 PM	1	0
10:15 PM	0	0
10:30 PM	1	2
10:45 PM	0	0
11:00 PM	0	1
11:15 PM	0	0
11:30 PM	1	0
11:45 PM	0	0
Totals	35	33

Prepared by National Data & Surveying Services

In & Out

Location: 2AM Logistics BMW Parts Distribution Center South Dwy At Nevada St
City: Redlands

Date: 2/3/2021
Day: Wednesday

TIME	Cars	
	In	Out
12:00 AM	0	0
12:15 AM	0	0
12:30 AM	0	0
12:45 AM	0	0
1:00 AM	0	0
1:15 AM	0	0
1:30 AM	0	0
1:45 AM	0	0
2:00 AM	0	0
2:15 AM	0	0
2:30 AM	0	0
2:45 AM	0	0
3:00 AM	1	0
3:15 AM	0	1
3:30 AM	0	0
3:45 AM	0	0
4:00 AM	0	0
4:15 AM	0	0
4:30 AM	0	0
4:45 AM	0	0
5:00 AM	0	0
5:15 AM	0	0
5:30 AM	0	0
5:45 AM	0	0
6:00 AM	1	0
6:15 AM	0	0
6:30 AM	0	0
6:45 AM	0	0
7:00 AM	0	0
7:15 AM	0	0
7:30 AM	0	0
7:45 AM	0	0
8:00 AM	0	0
8:15 AM	1	0
8:30 AM	0	1
8:45 AM	0	0
9:00 AM	0	0
9:15 AM	0	0
9:30 AM	0	1
9:45 AM	0	0
10:00 AM	0	0
10:15 AM	0	0
10:30 AM	0	0
10:45 AM	1	0
11:00 AM	0	0
11:15 AM	0	0
11:30 AM	0	1
11:45 AM	0	0
12:00 PM	1	1
12:15 PM	0	0
12:30 PM	0	0
12:45 PM	0	0
1:00 PM	0	0
1:15 PM	1	0
1:30 PM	0	0
1:45 PM	0	0
2:00 PM	0	1
2:15 PM	0	0
2:30 PM	0	0
2:45 PM	0	0
3:00 PM	0	0
3:15 PM	0	0
3:30 PM	0	0
3:45 PM	1	0
4:00 PM	0	1
4:15 PM	0	0
4:30 PM	0	0
4:45 PM	1	1
5:00 PM	0	0
5:15 PM	0	0
5:30 PM	0	0
5:45 PM	0	0
6:00 PM	0	0
6:15 PM	0	0
6:30 PM	0	0
6:45 PM	0	0
7:00 PM	0	0
7:15 PM	0	0
7:30 PM	0	0
7:45 PM	0	0
8:00 PM	0	0
8:15 PM	0	0
8:30 PM	0	0
8:45 PM	0	0
9:00 PM	0	0
9:15 PM	0	0
9:30 PM	0	0
9:45 PM	0	0
10:00 PM	0	0
10:15 PM	0	0
10:30 PM	0	0
10:45 PM	0	0
11:00 PM	0	0
11:15 PM	0	0
11:30 PM	0	0
11:45 PM	0	0
Totals	8	8

TIME	HT	
	In	Out
12:00 AM	0	0
12:15 AM	1	1
12:30 AM	1	0
12:45 AM	0	2
1:00 AM	0	0
1:15 AM	0	0
1:30 AM	0	0
1:45 AM	0	0
2:00 AM	0	0
2:15 AM	0	0
2:30 AM	0	0
2:45 AM	0	1
3:00 AM	0	0
3:15 AM	0	0
3:30 AM	0	0
3:45 AM	0	0
4:00 AM	0	0
4:15 AM	0	0
4:30 AM	0	0
4:45 AM	0	0
5:00 AM	0	0
5:15 AM	0	0
5:30 AM	0	0
5:45 AM	0	0
6:00 AM	0	0
6:15 AM	0	0
6:30 AM	0	0
6:45 AM	0	0
7:00 AM	0	0
7:15 AM	0	0
7:30 AM	1	0
7:45 AM	0	0
8:00 AM	0	0
8:15 AM	3	0
8:30 AM	0	0
8:45 AM	0	0
9:00 AM	3	0
9:15 AM	2	1
9:30 AM	0	0
9:45 AM	3	0
10:00 AM	0	0
10:15 AM	1	1
10:30 AM	3	1
10:45 AM	1	1
11:00 AM	0	1
11:15 AM	1	2
11:30 AM	0	2
11:45 AM	0	0
12:00 PM	1	0
12:15 PM	0	1
12:30 PM	0	0
12:45 PM	1	0
1:00 PM	0	0
1:15 PM	1	1
1:30 PM	0	0
1:45 PM	1	0
2:00 PM	0	0
2:15 PM	1	0
2:30 PM	0	0
2:45 PM	1	1
3:00 PM	0	1
3:15 PM	0	1
3:30 PM	0	1
3:45 PM	2	0
4:00 PM	0	0
4:15 PM	0	0
4:30 PM	1	1
4:45 PM	0	0
5:00 PM	0	0
5:15 PM	0	1
5:30 PM	1	1
5:45 PM	0	0
6:00 PM	0	0
6:15 PM	0	1
6:30 PM	0	0
6:45 PM	1	0
7:00 PM	0	0
7:15 PM	0	1
7:30 PM	0	0
7:45 PM	0	0
8:00 PM	0	0
8:15 PM	1	0
8:30 PM	0	2
8:45 PM	0	1
9:00 PM	0	1
9:15 PM	0	4
9:30 PM	0	1
9:45 PM	1	0
10:00 PM	0	1
10:15 PM	0	1
10:30 PM	0	0
10:45 PM	0	0
11:00 PM	0	0
11:15 PM	0	0
11:30 PM	0	0
11:45 PM	0	0
Totals	33	35

Attachment D

Parking Demand Worksheets

1295 Central Avenue (Fender Warehouse)

TOTAL (both driveways)

TIME	Cars		TIME	Cars	
	Tuesday, February 2, 2021			Wednesday, February 3, 2021	
	In	Out		In	Out
12:00 AM	0	1	12:00 AM	0	0
12:15 AM	0	0	12:15 AM	0	0
12:30 AM	1	4	12:30 AM	0	2
12:45 AM	1	1	12:45 AM	1	4
1:00 AM	0	11	1:00 AM	2	17
1:15 AM	0	1	1:15 AM	0	4
1:30 AM	0	2	1:30 AM	0	1
1:45 AM	0	0	1:45 AM	0	0
2:00 AM	0	0	2:00 AM	1	0
2:15 AM	0	12	2:15 AM	1	1
2:30 AM	0	1	2:30 AM	1	1
2:45 AM	1	0	2:45 AM	1	0
3:00 AM	1	0	3:00 AM	2	2
3:15 AM	0	0	3:15 AM	0	2
3:30 AM	0	0	3:30 AM	0	0
3:45 AM	3	1	3:45 AM	1	0
4:00 AM	1	0	4:00 AM	2	0
4:15 AM	7	0	4:15 AM	5	0
4:30 AM	16	2	4:30 AM	12	1
4:45 AM	26	1	4:45 AM	32	2
5:00 AM	5	0	5:00 AM	5	0
5:15 AM	4	0	5:15 AM	4	0
5:30 AM	7	0	5:30 AM	6	1
5:45 AM	30	1	5:45 AM	25	1
6:00 AM	3	0	6:00 AM	13	2
6:15 AM	1	0	6:15 AM	1	0
6:30 AM	1	0	6:30 AM	1	0
6:45 AM	3	1	6:45 AM	3	0
7:00 AM	1	2	7:00 AM	3	2
7:15 AM	2	1	7:15 AM	1	2
7:30 AM	5	1	7:30 AM	0	1
7:45 AM	3	1	7:45 AM	2	0
8:00 AM	0	0	8:00 AM	3	1
8:15 AM	2	0	8:15 AM	3	0
8:30 AM	0	1	8:30 AM	2	2
8:45 AM	1	1	8:45 AM	2	1
9:00 AM	0	3	9:00 AM	0	0
9:15 AM	0	1	9:15 AM	0	7
9:30 AM	1	3	9:30 AM	4	3
9:45 AM	5	4	9:45 AM	4	5
10:00 AM	1	0	10:00 AM	4	2
10:15 AM	2	0	10:15 AM	2	0
10:30 AM	4	5	10:30 AM	2	4
10:45 AM	2	2	10:45 AM	7	3
11:00 AM	1	1	11:00 AM	1	4
11:15 AM	0	2	11:15 AM	2	1
11:30 AM	0	2	11:30 AM	1	5
11:45 AM	1	2	11:45 AM	1	0
12:00 PM	2	2	12:00 PM	3	1
12:15 PM	0	0	12:15 PM	1	2
12:30 PM	0	0	12:30 PM	1	2
12:45 PM	2	2	12:45 PM	1	0
1:00 PM	0	1	1:00 PM	0	3
1:15 PM	4	2	1:15 PM	2	0
1:30 PM	3	12	1:30 PM	2	5
1:45 PM	5	2	1:45 PM	7	5
2:00 PM	1	2	2:00 PM	0	2
2:15 PM	3	8	2:15 PM	3	7
2:30 PM	4	33	2:30 PM	3	40
2:45 PM	6	4	2:45 PM	2	11
3:00 PM	5	14	3:00 PM	4	15
3:15 PM	7	2	3:15 PM	11	5
3:30 PM	2	8	3:30 PM	1	7
3:45 PM	1	9	3:45 PM	0	3
4:00 PM	1	3	4:00 PM	2	4
4:15 PM	0	3	4:15 PM	0	2
4:30 PM	0	1	4:30 PM	1	3
4:45 PM	0	3	4:45 PM	0	1
5:00 PM	0	1	5:00 PM	0	1
5:15 PM	0	0	5:15 PM	0	0
5:30 PM	0	0	5:30 PM	0	1
5:45 PM	0	0	5:45 PM	1	0
6:00 PM	0	0	6:00 PM	0	2
6:15 PM	0	1	6:15 PM	0	3
6:30 PM	4	4	6:30 PM	0	1
6:45 PM	2	0	6:45 PM	1	1
7:00 PM	0	2	7:00 PM	1	2
7:15 PM	0	1	7:15 PM	1	1
7:30 PM	1	1	7:30 PM	0	0
7:45 PM	0	0	7:45 PM	1	1
8:00 PM	4	7	8:00 PM	3	7
8:15 PM	2	1	8:15 PM	3	0
8:30 PM	3	1	8:30 PM	0	0
8:45 PM	1	0	8:45 PM	1	0
9:00 PM	0	1	9:00 PM	2	2
9:15 PM	1	1	9:15 PM	0	1
9:30 PM	1	1	9:30 PM	1	1
9:45 PM	0	0	9:45 PM	0	0
10:00 PM	1	0	10:00 PM	0	0
10:15 PM	0	0	10:15 PM	0	0
10:30 PM	0	0	10:30 PM	0	2
10:45 PM	0	1	10:45 PM	0	3
11:00 PM	0	2	11:00 PM	1	0
11:15 PM	0	1	11:15 PM	0	1
11:30 PM	0	0	11:30 PM	0	0
11:45 PM	0	2	11:45 PM	0	0
Totals	208	210	Totals	223	232

Parking Occupancy & Demand Estimates (all driveways)

TIME	Cars			TIME	Cars		
	Tuesday, February 2, 2021				Wednesday, February 3, 2021		
	In	Out	Parking Occupied		In	Out	Parking Occupied
12:00 AM	0	1	31	12:00 AM	0	0	26
12:15 AM	0	0	31	12:15 AM	0	0	26
12:30 AM	1	4	28	12:30 AM	0	2	24
12:45 AM	1	1	28	12:45 AM	1	4	21
1:00 AM	0	11	17	1:00 AM	2	17	6
1:15 AM	0	1	16	1:15 AM	0	4	2
1:30 AM	0	2	14	1:30 AM	0	1	1
1:45 AM	0	0	14	1:45 AM	0	0	1
2:00 AM	0	0	14	2:00 AM	1	0	2
2:15 AM	0	12	2	2:15 AM	1	1	2
2:30 AM	0	1	1	2:30 AM	1	1	2
2:45 AM	1	0	2	2:45 AM	1	0	3
3:00 AM	1	0	3	3:00 AM	2	2	3
3:15 AM	0	0	3	3:15 AM	0	2	1
3:30 AM	0	0	3	3:30 AM	0	0	1
3:45 AM	3	1	5	3:45 AM	1	0	2
4:00 AM	1	0	6	4:00 AM	2	0	4
4:15 AM	7	0	13	4:15 AM	5	0	9
4:30 AM	16	2	27	4:30 AM	12	1	20
4:45 AM	26	1	52	4:45 AM	32	2	50
5:00 AM	5	0	57	5:00 AM	5	0	55
5:15 AM	4	0	61	5:15 AM	4	0	59
5:30 AM	7	0	68	5:30 AM	6	1	64
5:45 AM	30	1	97	5:45 AM	25	1	88
6:00 AM	3	0	100	6:00 AM	13	2	99
6:15 AM	1	0	101	6:15 AM	1	0	100
6:30 AM	1	0	102	6:30 AM	1	0	101
6:45 AM	3	1	104	6:45 AM	3	0	104
7:00 AM	1	2	103	7:00 AM	3	2	105
7:15 AM	2	1	104	7:15 AM	1	2	104
7:30 AM	5	1	108	7:30 AM	0	1	103
7:45 AM	3	1	110	7:45 AM	2	0	105
8:00 AM	0	0	110	8:00 AM	3	1	107
8:15 AM	2	0	112	8:15 AM	3	0	110
8:30 AM	0	1	111	8:30 AM	2	2	110
8:45 AM	1	1	111	8:45 AM	2	1	111
9:00 AM	0	3	108	9:00 AM	0	0	111
9:15 AM	0	1	107	9:15 AM	0	7	104
9:30 AM	1	3	105	9:30 AM	4	3	105
9:45 AM	5	4	106	9:45 AM	4	5	104
10:00 AM	1	0	107	10:00 AM	4	2	106
10:15 AM	2	0	109	10:15 AM	2	0	108
10:30 AM	4	5	108	10:30 AM	2	4	106
10:45 AM	2	2	108	10:45 AM	7	3	110
11:00 AM	1	1	108	11:00 AM	1	4	107
11:15 AM	0	2	106	11:15 AM	2	1	108
11:30 AM	0	2	104	11:30 AM	1	5	104
11:45 AM	1	2	103	11:45 AM	1	0	105
12:00 PM	2	2	103	12:00 PM	3	1	107
12:15 PM	0	0	103	12:15 PM	1	2	106
12:30 PM	0	0	103	12:30 PM	1	2	105
12:45 PM	2	2	103	12:45 PM	1	0	106
1:00 PM	0	1	102	1:00 PM	0	3	103
1:15 PM	4	2	104	1:15 PM	2	0	105
1:30 PM	3	12	95	1:30 PM	2	5	102
1:45 PM	5	2	98	1:45 PM	7	5	104
2:00 PM	1	2	97	2:00 PM	0	2	102
2:15 PM	3	8	92	2:15 PM	3	7	98
2:30 PM	4	33	63	2:30 PM	3	40	61
2:45 PM	6	4	65	2:45 PM	2	11	52
3:00 PM	5	14	56	3:00 PM	4	15	41
3:15 PM	7	2	61	3:15 PM	11	5	47
3:30 PM	2	8	55	3:30 PM	1	7	41
3:45 PM	1	9	47	3:45 PM	0	3	38
4:00 PM	1	3	45	4:00 PM	2	4	36
4:15 PM	0	3	42	4:15 PM	0	2	34
4:30 PM	0	1	41	4:30 PM	1	3	32
4:45 PM	0	3	38	4:45 PM	0	1	31
5:00 PM	0	1	37	5:00 PM	0	1	30
5:15 PM	0	0	37	5:15 PM	0	0	30
5:30 PM	0	1	36	5:30 PM	0	1	29
5:45 PM	0	0	37	5:45 PM	1	0	30
6:00 PM	0	0	37	6:00 PM	0	2	28
6:15 PM	0	1	36	6:15 PM	0	3	25
6:30 PM	4	4	36	6:30 PM	0	1	24
6:45 PM	2	0	38	6:45 PM	1	1	24
7:00 PM	0	2	36	7:00 PM	1	2	23
7:15 PM	0	1	35	7:15 PM	1	1	23
7:30 PM	1	1	35	7:30 PM	0	0	23
7:45 PM	0	0	35	7:45 PM	1	1	23
8:00 PM	4	7	32	8:00 PM	3	7	19
8:15 PM	2	1	33	8:15 PM	3	0	22
8:30 PM	3	1	35	8:30 PM	0	0	22
8:45 PM	1	0	36	8:45 PM	1	0	23
9:00 PM	0	1	35	9:00 PM	2	2	23
9:15 PM	1	1	35	9:15 PM	0	1	22
9:30 PM	1	1	35	9:30 PM	1	1	22
9:45 PM	0	0	35	9:45 PM	0	0	22
10:00 PM	1	0	36	10:00 PM	0	0	22
10:15 PM	0	0	36	10:15 PM	0	0	22
10:30 PM	0	2	36	10:30 PM	0	2	20
10:45 PM	0	1	35	10:45 PM	0	3	17
11:00 PM	0	2	33	11:00 PM	1	0	18
11:15 PM	0	1	32	11:15 PM	0	1	17
11:30 PM	0	0	32	11:30 PM	0	0	17
11:45 PM	0	2	30	11:45 PM	0	0	17
Totals	208	210		Totals	223	232	

Parking Occupancy Assumptions

Total Spaces		*197*
Survey Date	*2/2/2021*	*2/3/2021*
*% Spaces Occupied at 12AM **	*16%*	*13%*
# Spaces Occupied at 12AM	*32*	*26*

** An estimate of the number of spaces occupied at the beginning of the study must be determined to approximate parking demand. % Spaces occupied at 12AM is estimated assuming that parking occupancy must not fall below 0 at any time during the study period.*

Peak Parking Demand over two-day period
112

Fender Warehouse

297,860 SF

Tuesday, February 2, 2021		Wednesday, February 3, 2021	
Peak Demand (Spaces)	Observed Parking Rate	Peak Demand (Spaces)	Observed Parking Rate
112	1 space per 2660 SF	111	1 space per 2684 SF

27061 Almond Avenue (2AM Logistics BMW Parts Distribution Center)

TOTAL (all driveways)

Tuesday, February 2, 2021			Wednesday, February 3, 2021		
TIME	Cars		TIME	Cars	
	In	Out		In	Out
12:00 AM	0	0	12:00 AM	0	0
12:15 AM	0	0	12:15 AM	0	0
12:30 AM	0	0	12:30 AM	0	0
12:45 AM	0	0	12:45 AM	0	0
1:00 AM	0	0	1:00 AM	0	0
1:15 AM	0	0	1:15 AM	0	0
1:30 AM	0	0	1:30 AM	0	0
1:45 AM	1	0	1:45 AM	0	0
2:00 AM	1	0	2:00 AM	2	0
2:15 AM	0	0	2:15 AM	0	0
2:30 AM	1	0	2:30 AM	2	0
2:45 AM	0	0	2:45 AM	1	1
3:00 AM	1	0	3:00 AM	1	1
3:15 AM	8	0	3:15 AM	8	1
3:30 AM	15	0	3:30 AM	8	0
3:45 AM	18	0	3:45 AM	19	0
4:00 AM	3	0	4:00 AM	3	0
4:15 AM	1	0	4:15 AM	1	0
4:30 AM	0	0	4:30 AM	1	0
4:45 AM	1	0	4:45 AM	0	1
5:00 AM	0	1	5:00 AM	0	0
5:15 AM	0	0	5:15 AM	0	0
5:30 AM	0	0	5:30 AM	0	1
5:45 AM	0	0	5:45 AM	2	1
6:00 AM	0	0	6:00 AM	1	1
6:15 AM	0	0	6:15 AM	2	0
6:30 AM	0	2	6:30 AM	0	0
6:45 AM	2	1	6:45 AM	1	1
7:00 AM	2	1	7:00 AM	0	0
7:15 AM	1	1	7:15 AM	2	1
7:30 AM	0	0	7:30 AM	1	1
7:45 AM	0	0	7:45 AM	1	1
8:00 AM	3	1	8:00 AM	1	3
8:15 AM	1	4	8:15 AM	3	1
8:30 AM	2	2	8:30 AM	0	3
8:45 AM	0	1	8:45 AM	1	2
9:00 AM	2	5	9:00 AM	0	0
9:15 AM	2	2	9:15 AM	0	2
9:30 AM	0	0	9:30 AM	1	2
9:45 AM	1	2	9:45 AM	2	2
10:00 AM	1	1	10:00 AM	0	2
10:15 AM	0	0	10:15 AM	1	0
10:30 AM	1	1	10:30 AM	0	1
10:45 AM	3	4	10:45 AM	3	3
11:00 AM	1	2	11:00 AM	0	1
11:15 AM	0	0	11:15 AM	1	0
11:30 AM	1	2	11:30 AM	1	5
11:45 AM	2	1	11:45 AM	1	0
12:00 PM	1	1	12:00 PM	1	1
12:15 PM	0	3	12:15 PM	0	3
12:30 PM	19	46	12:30 PM	8	39
12:45 PM	23	1	12:45 PM	30	1
1:00 PM	3	1	1:00 PM	2	0
1:15 PM	0	0	1:15 PM	2	0
1:30 PM	1	2	1:30 PM	0	3
1:45 PM	0	0	1:45 PM	0	0
2:00 PM	1	0	2:00 PM	0	1
2:15 PM	0	1	2:15 PM	0	0
2:30 PM	0	3	2:30 PM	0	0
2:45 PM	1	0	2:45 PM	0	0
3:00 PM	0	0	3:00 PM	0	0
3:15 PM	1	1	3:15 PM	1	0
3:30 PM	0	0	3:30 PM	1	0
3:45 PM	2	0	3:45 PM	2	2
4:00 PM	0	1	4:00 PM	1	2
4:15 PM	0	0	4:15 PM	0	0
4:30 PM	0	0	4:30 PM	0	0
4:45 PM	1	2	4:45 PM	1	1
5:00 PM	2	3	5:00 PM	1	3
5:15 PM	2	1	5:15 PM	2	3
5:30 PM	2	3	5:30 PM	4	3
5:45 PM	2	2	5:45 PM	3	0
6:00 PM	2	0	6:00 PM	0	1
6:15 PM	0	2	6:15 PM	0	0
6:30 PM	1	0	6:30 PM	0	0
6:45 PM	0	0	6:45 PM	0	0
7:00 PM	1	2	7:00 PM	0	0
7:15 PM	1	0	7:15 PM	0	0
7:30 PM	3	1	7:30 PM	4	0
7:45 PM	0	0	7:45 PM	1	0
8:00 PM	1	0	8:00 PM	0	1
8:15 PM	1	0	8:15 PM	1	0
8:30 PM	1	0	8:30 PM	2	0
8:45 PM	1	2	8:45 PM	1	1
9:00 PM	0	2	9:00 PM	2	1
9:15 PM	0	2	9:15 PM	0	6
9:30 PM	0	34	9:30 PM	0	34
9:45 PM	0	1	9:45 PM	1	1
10:00 PM	1	0	10:00 PM	0	0
10:15 PM	0	0	10:15 PM	0	0
10:30 PM	0	0	10:30 PM	0	0
10:45 PM	0	0	10:45 PM	0	0
11:00 PM	0	0	11:00 PM	0	0
11:15 PM	0	0	11:15 PM	0	0
11:30 PM	0	0	11:30 PM	0	0
11:45 PM	0	0	11:45 PM	0	0
Totals	149	151	Totals	142	145

Parking Occupancy & Demand Estimates (all driveways)

Tuesday, February 2, 2021				Wednesday, February 3, 2021			
TIME	Cars			TIME	Cars		
	In	Out	Parking Occupied		In	Out	Parking Occupied
12:00 AM	0	0	4	12:00 AM	0	0	4
12:15 AM	0	0	4	12:15 AM	0	0	4
12:30 AM	0	0	4	12:30 AM	0	0	4
12:45 AM	0	0	4	12:45 AM	0	0	4
1:00 AM	0	0	4	1:00 AM	0	0	4
1:15 AM	0	0	4	1:15 AM	0	0	4
1:30 AM	0	0	4	1:30 AM	0	0	4
1:45 AM	1	0	5	1:45 AM	0	0	4
2:00 AM	1	0	6	2:00 AM	2	0	6
2:15 AM	0	0	6	2:15 AM	0	0	6
2:30 AM	1	0	7	2:30 AM	2	0	8
2:45 AM	0	0	7	2:45 AM	1	1	8
3:00 AM	1	0	8	3:00 AM	1	1	8
3:15 AM	8	0	16	3:15 AM	8	1	15
3:30 AM	15	0	31	3:30 AM	8	0	23
3:45 AM	18	0	49	3:45 AM	19	0	42
4:00 AM	3	0	52	4:00 AM	3	0	45
4:15 AM	1	0	53	4:15 AM	1	0	46
4:30 AM	1	0	53	4:30 AM	1	0	47
4:45 AM	1	0	54	4:45 AM	0	1	46
5:00 AM	0	1	53	5:00 AM	0	0	46
5:15 AM	0	0	53	5:15 AM	0	0	46
5:30 AM	0	1	53	5:30 AM	0	1	45
5:45 AM	2	1	53	5:45 AM	2	1	46
6:00 AM	1	1	53	6:00 AM	1	1	46
6:15 AM	2	0	53	6:15 AM	2	0	48
6:30 AM	0	2	51	6:30 AM	0	0	48
6:45 AM	2	1	52	6:45 AM	1	1	48
7:00 AM	2	1	53	7:00 AM	0	0	48
7:15 AM	1	1	53	7:15 AM	2	1	49
7:30 AM	0	0	53	7:30 AM	1	1	49
7:45 AM	0	0	53	7:45 AM	1	1	49
8:00 AM	3	1	55	8:00 AM	1	3	47
8:15 AM	1	4	52	8:15 AM	3	1	49
8:30 AM	2	2	52	8:30 AM	0	3	46
8:45 AM	0	1	51	8:45 AM	1	2	45
9:00 AM	2	5	48	9:00 AM	0	0	45
9:15 AM	2	2	48	9:15 AM	0	2	43
9:30 AM	0	0	48	9:30 AM	1	2	42
9:45 AM	1	2	47	9:45 AM	2	2	42
10:00 AM	1	1	47	10:00 AM	0	2	40
10:15 AM	0	0	47	10:15 AM	1	0	41
10:30 AM	1	1	47	10:30 AM	0	1	40
10:45 AM	3	4	46	10:45 AM	3	3	40
11:00 AM	1	2	45	11:00 AM	0	1	39
11:15 AM	0	0	45	11:15 AM	1	0	40
11:30 AM	1	2	44	11:30 AM	1	5	36
11:45 AM	2	1	45	11:45 AM	1	0	37
12:00 PM	1	1	45	12:00 PM	1	1	37
12:15 PM	0	3	42	12:15 PM	0	3	34
12:30 PM	19	46	15	12:30 PM	8	39	3
12:45 PM	23	1	37	12:45 PM	30	1	32
1:00 PM	3	1	39	1:00 PM	2	0	34
1:15 PM	0	0	39	1:15 PM	2	0	36
1:30 PM	1	2	38	1:30 PM	0	3	33
1:45 PM	0	0	38	1:45 PM	0	0	33
2:00 PM	1	0	39	2:00 PM	0	1	32
2:15 PM	0	1	38	2:15 PM	0	0	32
2:30 PM	0	3	35	2:30 PM	0	0	32
2:45 PM	1	0	36	2:45 PM	0	0	32
3:00 PM	0	0	36	3:00 PM	0	0	32
3:15 PM	1	1	36	3:15 PM	1	0	33
3:30 PM	0	0	36	3:30 PM	1	0	34
3:45 PM	2	0	38	3:45 PM	2	2	34
4:00 PM	0	1	37	4:00 PM	1	2	33
4:15 PM	0	0	37	4:15 PM	0	0	33
4:30 PM	0	0	37	4:30 PM	0	0	33
4:45 PM	1	2	36	4:45 PM	1	1	33
5:00 PM	2	3	35	5:00 PM	1	3	31
5:15 PM	2	1	36	5:15 PM	2	3	30
5:30 PM	2	3	35	5:30 PM	4	3	31
5:45 PM	2	2	35	5:45 PM	3	0	34
6:00 PM	2	0	37	6:00 PM	0	1	33
6:15 PM	0	2	35	6:15 PM	0	0	33
6:30 PM	1	0	36	6:30 PM	0	0	33
6:45 PM	0	0	36	6:45 PM	0	0	33
7:00 PM	1	2	35	7:00 PM	0	0	33
7:15 PM	1	0	36	7:15 PM	0	0	33
7:30 PM	3	1	38	7:30 PM	4	0	37
7:45 PM	0	0	38	7:45 PM	1	0	38
8:00 PM	1	0	39	8:00 PM	0	1	37
8:15 PM	1	0	40	8:15 PM	1	0	38
8:30 PM	1	0	41	8:30 PM	2	0	40
8:45 PM	1	2	40	8:45 PM	1	1	40
9:00 PM	0	2	38	9:00 PM	2	1	41
9:15 PM	0	2	36	9:15 PM	0	6	35
9:30 PM	0	34	2	9:30 PM	0	34	1
9:45 PM	0	1	1	9:45 PM	1	1	1
10:00 PM	1	0	2	10:00 PM	0	0	1
10:15 PM	0	0	2	10:15 PM	0	0	1
10:30 PM	0	0	2	10:30 PM	0	0	1
10:45 PM	0	0	2	10:45 PM	0	0	1
11:00 PM	0	0	2	11:00 PM	0	0	1
11:15 PM	0	0	2	11:15 PM	0	0	1
11:30 PM	0	0	2	11:30 PM	0	0	1
11:45 PM	0	0	2	11:45 PM	0	0	1
Totals	149	151		Totals	142	145	

Parking Occupancy Assumptions

Total Spaces		174
Survey Date	2/2/2021	2/3/2021
% Spaces Occupied at 12AM *	2%	2%
# Spaces Occupied at 12AM	4	4

** An estimate of the number of spaces occupied at the beginning of the study must be determined to approximate parking demand. % Spaces occupied at 12AM is estimated assuming that parking occupancy must not fall below 0 at any time during the study period.*

Max Parking Demand over two-day period
55

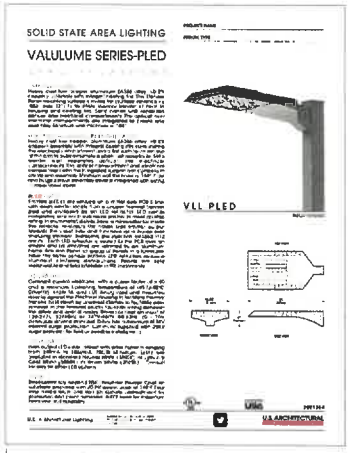
2AM Logistics BMW Parts Distribution Center

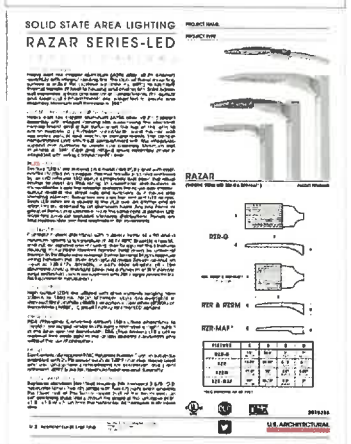
326,920 SF

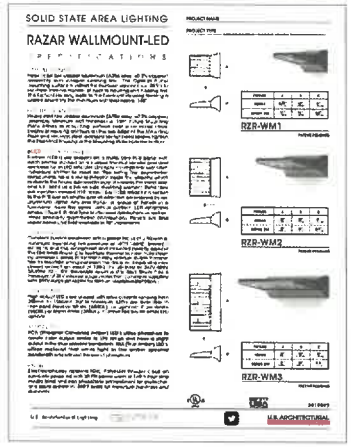
Tuesday, February 2, 2021		Wednesday, February 3, 2021	
Peak Demand (Spaces)	Observed Parking Rate	Peak Demand (Spaces)	Observed Parking Rate
55	1 space per 5418 SF	49	1 space per 6079 SF

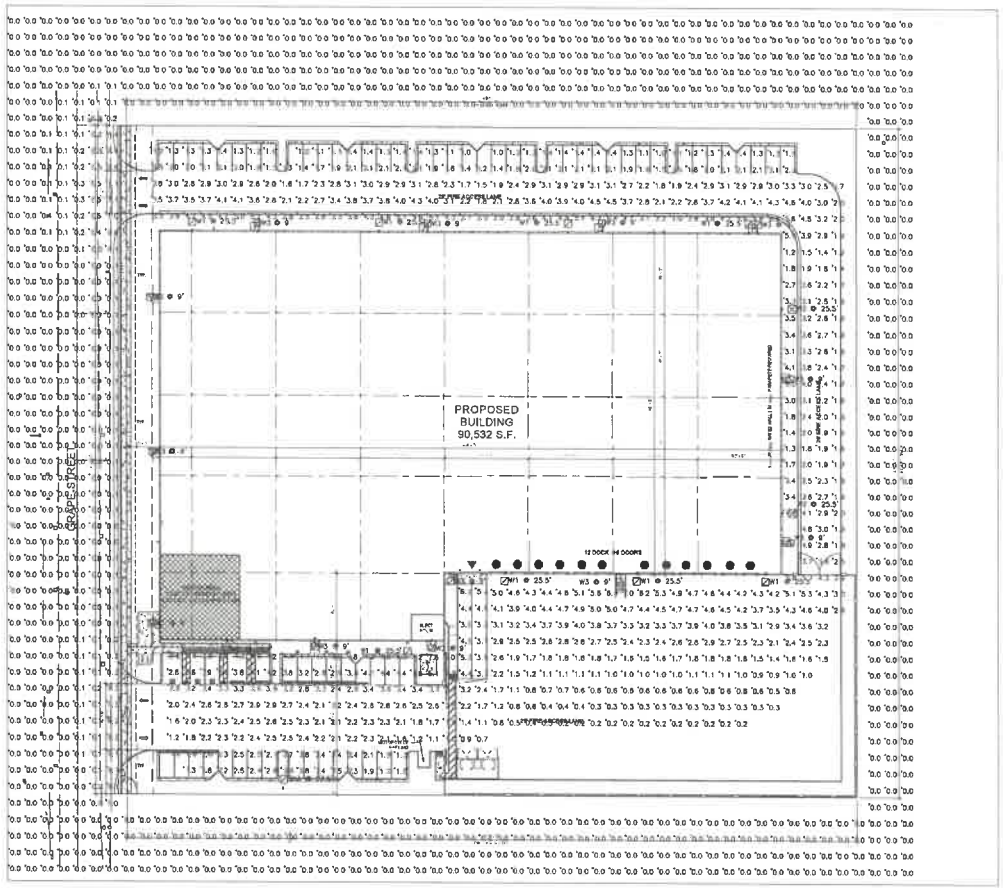
Exhibit 5:

Photometric Plan









SITE PHOTOMETRIC

SCALE: 1"=30'-0"

1

Schedule

Symbol	Label	QTY	Catalog Number	Description	Lamp	Number Lamps	Lumens per Lamp	LLF	Wattage
	W3	13	RZR-WM1-PLED-W-W-20LED-350mA-40K EM1 WML MT AT 9 FT AFG MM511 BUG RATING B1 U0 G1	CAST BLACK PAINTED FINNED METAL HOUSING.	20 WHITE LIGHT EMITTING DIODES (LEDS), BASE UP.	20	151	0.9	21.4
	W2	2	WM-PLED-W-W-80LED--MM511 525mA-NW WML MT AT 25.5 FT AFG BUG B3 U0 G3	CAST BLACK PAINTED FINNED METAL HOUSING.	80 WHITE LIGHT EMITTING DIODES (LEDS), BASE UP.	80	218	0.9	129.4
	SA3	1	WM-PLED-W-80LED-525mA-NW-HS-MA511 POLE MT AT 27.5 FT AFG BUG RATING B1 U0 G3 25 FT POLE 3G IN BASE	CAST BLACK PAINTED FINNED METAL HOUSING.	80 WHITE LIGHT EMITTING DIODES (LEDS), BASE UP.	80	170	0.9	129.4
	W1	9	WM-PLED-N-80LED-700mA-NW MM511 WML MT AT 25.5 FT AFG BUG RATING B3 U0 G3	CAST BLACK PAINTED FINNED METAL HOUSING.	80 WHITE LIGHT EMITTING DIODES (LEDS), BASE UP.	80	295	0.9	173.6

Statistics

Description	Symbol	Avg	Max	Min	Max/Min	Avg/Min
SITE	+	2.6 fc	7.6 fc	0.2 fc	38.0:1	13.0:1
PROPERTY	+	0.0 fc	1.1 fc	0.0 fc	N/A	N/A

PROJECT
1ST PLANNING SUBMITTAL

PATRIOT PARTNERS GRAPE ST
HIGHLAND, CA

HERDMAN
ARCHITECTURE + DESIGN
A21-2263
XX.XX.2022

SITE PHOTOMETRIC PLAN

E-FC

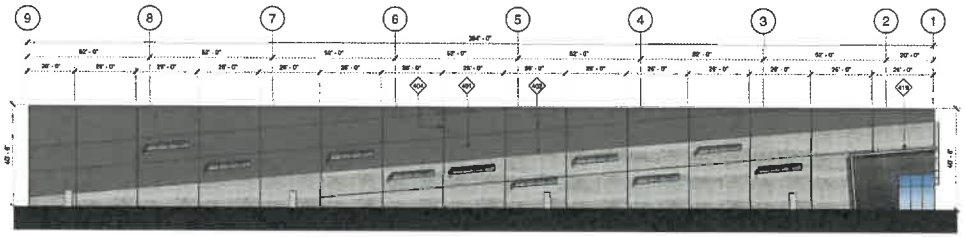
RPM
Engineers, Inc
530 DISCOVERY
Irvine, CA 92618
Tel: 949-450-1654
Fax: 949-450-1656
Contact: David Du
e-mail: david@rpmpe.com

No. 015986
08-31-2023
ELECTRICAL
STATE OF CALIFORNIA
08/13/2022

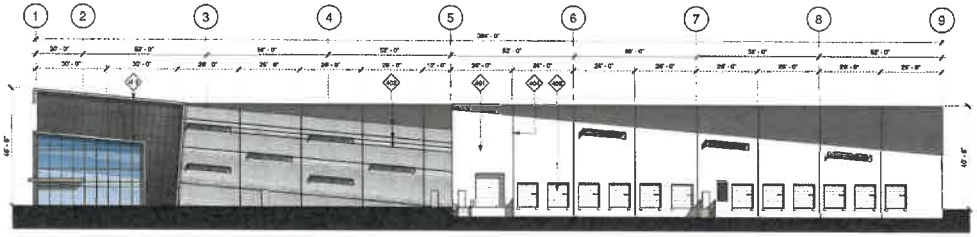
RPM #22-328 08/13/22

Exhibit 6:

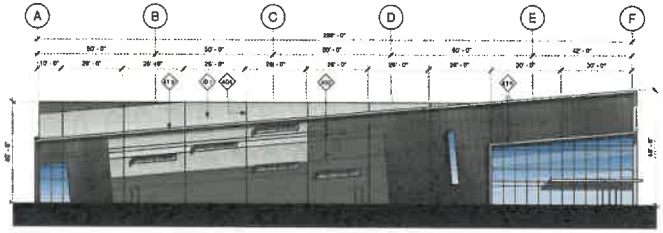
Elevations



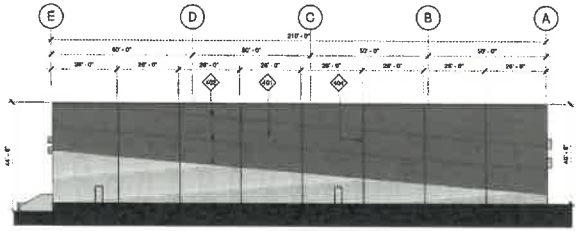
1 PROPOSED NORTH ELEVATION
1" = 20'-0"



2 PROPOSED SOUTH ELEVATION
1" = 20'-0"



3 PROPOSED WEST ELEVATION
1" = 20'-0"



4 PROPOSED EAST ELEVATION
1" = 20'-0"

KEYNOTES

401 PAINTED CONCRETE TILT-UP WALL PANEL.
402 WALL REVEAL.
404 PANEL JOINT.
409 STEEL SECTIONAL OVERHEAD DOOR.
419 DECORATIVE SOLID BRONW WRAPPED IN ALUMINUM PANELS. NOMINAL 8" THKNS. MAX 24" PROJECTION FROM BUILDING.

GLAZING LEGEND & NOTES

STOREFRONT FRAMING:
U.O.N @ VISION SYSTEM: MIN 2"x4 1/2" OFFSET SYSTEM U.O.N @ SPANDREL SYSTEM: 2"x7 3/4" OFFSET SYSTEM. STOREFRONT SYSTEM TO BE DESIGN BUILD BY THE GENERAL CONTRACTOR. DESIGN SHALL COMPLY WITH ALL RELEVANT CODE & WIND LOADING REQUIREMENTS.

VISION SYSTEM GLAZING:
FOR EXTERIOR VISION GLAZING USE 1" INSULATED GLASS CONSISTING OF AN OUTER LAYER OF 1/4" VISTACOOL AN D AN INNER LAYER OF 1/4" SOLARBAN 60. FOR INTERIOR GLAZING USE 1/2" CLEAR GLASS

SPANDREL SYSTEM GLAZING:
FOR EXTERIOR SPANDREL GLAZING USE 1/4" VISTACOOL. BACK PAINTING OF GLASS NOT REQUIRED.

NOTES:
1. FOR GLASS AND MULLION COLORS, SEE EXTERIOR COLORS, LEGEND & NOTES, THIS SHEET.
2. PROVIDE TEMPERED GLASS @ THE FOLLOWING:
   A. ALL SPANDREL SYSTEM GLAZING IN FRONT OF CONCRETE WALL PANELS
   B. ALL GLAZING WITHIN 18" OF AN ADJACENT WALKING SURFACE
   C. ALL GLAZING WITH 24" OF ANY PORTION OF A DOOR.
3. @ SPANDREL SYSTEM GLAZING IN FRONT OF CONCRETE WALL PANELS, PROVIDE 1" DIA VENTILATION HOLES IN THE CONCRETE A MAX OF 5'-0" O.C. CONTRACTOR TO PROVIDE A SMOOTH FINISH ON THE GLASS FACING CONCRETE SURFACES AND TO PAINT THEM IN A COLOR SELECTED BY THE ARCHITECT.
4. @ SPANDREL SYSTEM GLAZING NOT IN FRONT OF A CONCRETE WALL PANEL, PROVIDE TENCATE MIRAFI 140N FILTER FABRIC SHADE CLOTH.

EXTERIOR WALL COLOR LEGEND & NOTES

- (A) EXTERIOR PAINT COLOR: SW 6995 SUPERWHITE
- (B) EXTERIOR PAINT COLOR: SW 7674 PEPPERCORN
- (C) CONCRETE FORMLINER COLOR
- (D) METAL PANEL COLOR
- (E) STOREFRONT MEDIUM PERFORMANCE BLUE REFLECTED GLAZING BLACK ANODIZED MULLION
- (F) CLEAR ANODIZED METAL EYE BROW

NOTES:
1. PAINT MAN DOORS, STAIR & RAMP GUARD WALLS, GUARD RAILS, DOWN SPOUTS, & LOUVERS TO MATCH ADJACENT BUILDING WALL COLOR, U.O.N.
2. U.O.N., EXTERIOR SIDE OF TRUCK DOORS TO BE PRE-FINISHED WITH MANUFACTURER'S WHITE. INTERIOR SIDE TO BE PRE-FINISHED WITH MANUFACTURER'S LIGHT GRAY.
3. POWER WASH EXTERIOR CONCRETE WALLS PRIOR TO PAINTING TO REMOVE ALL CHEMICALS AND DIRT THAT WILL IMPEDE THE PRIMER COAT FROM ADHERING TO THE WALLS.
4. PAINT EXTERIOR WALLS W/ 1 COAT SPRAYED AND BACK ROLLED ACRYLIC FLAT PRIMER AND 2-COATS SPRAYED-ON FLAT FINISH IN THE FINAL WALL COLOR. ALL PAINTS TO BE AS SPECIFIED BY THE MANUFACTURER FOR CONCRETE TILT UP WALL PANELS. FINISHED JOB SHALL BE SMOOTH AND FREE OF LAPPING AND OR STREAKING, REGARDLESS OF THE COLOR.
5. EXCEPT WHERE NOTED OTHERWISE ON THE PLANS ALL PANEL JOINTS SHALL BE CAULKED PER DETAIL 1/A/04.1
6. PAINT CONCRETE BEHIND ANY OPEN TRELLIS WORK THE COLOR OF THE ADJACENT WALL.
7. @ SOLID BROWS WITH GLAZING DIRECTLY ABOVE OR BELOW, PAINT THE EXPOSED WALL CHAMFER JUST ABOVE OR BELOW THE BROW TO MATCH THE BROW COLOR.

PROJECT
FIRST PLANNING SUBMITTAL

PATRIOT PARTNERS GRAPE ST.
HIGHLAND, CA

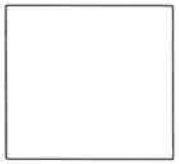
HERDMAN
ARCHITECTURE + DESIGN

A21-2283
08.02.2022

EXTERIOR ELEVATIONS

A4

9/2/2022 2:50:51 PM



A. EXTERIOR PAINT

SW 6995
SUPERWHITE

B. EXTERIOR PAINT

SW 7674
PEPPERCORN

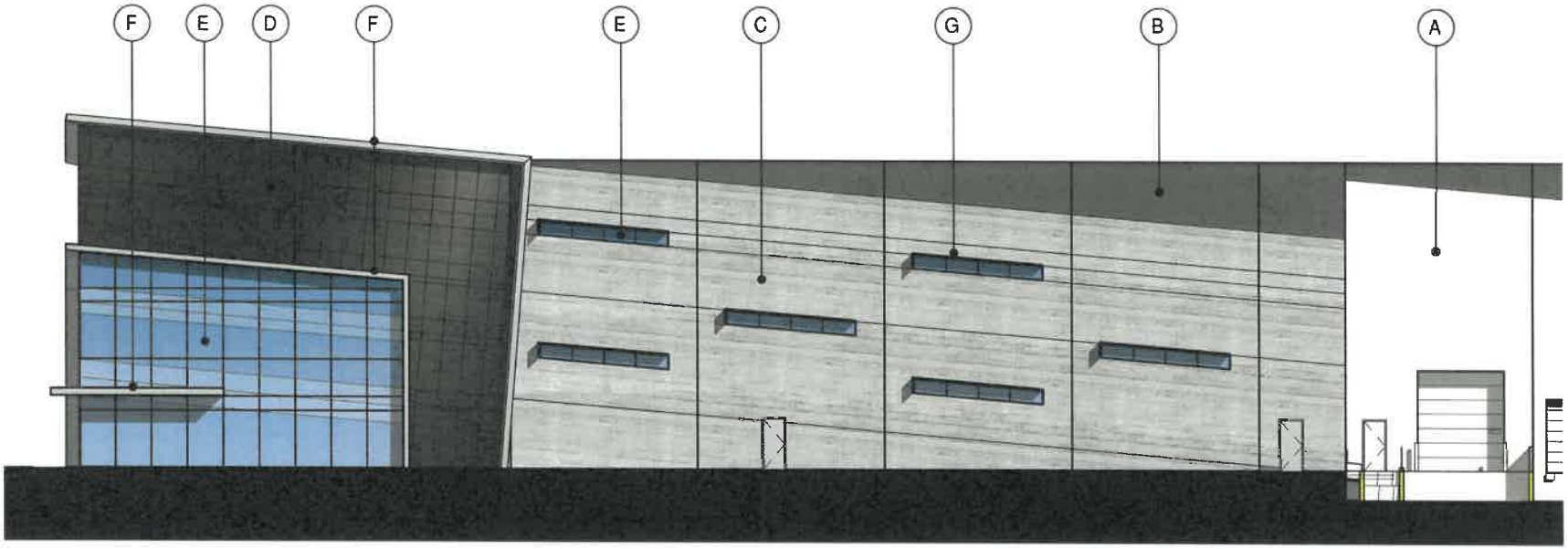
C. CONCRETE FORMLINER

D. METAL PANEL

E. STOREFRONT MEDIUM
PERFORMANCE BLUE
REFLECTED GLAZING
BLACK ANODIZED MULLION

F. CLEAR ANODIZED
METAL EYE BROW

G. CHARCOAL ANODIZED
METAL EYE BROW



ENLARGED VIEW @ CORNER

PROJECT
PATRIOT PARTNERS GRAPE ST.
HIGHLAND, CA
FIRST PLANNING SUBMITTAL

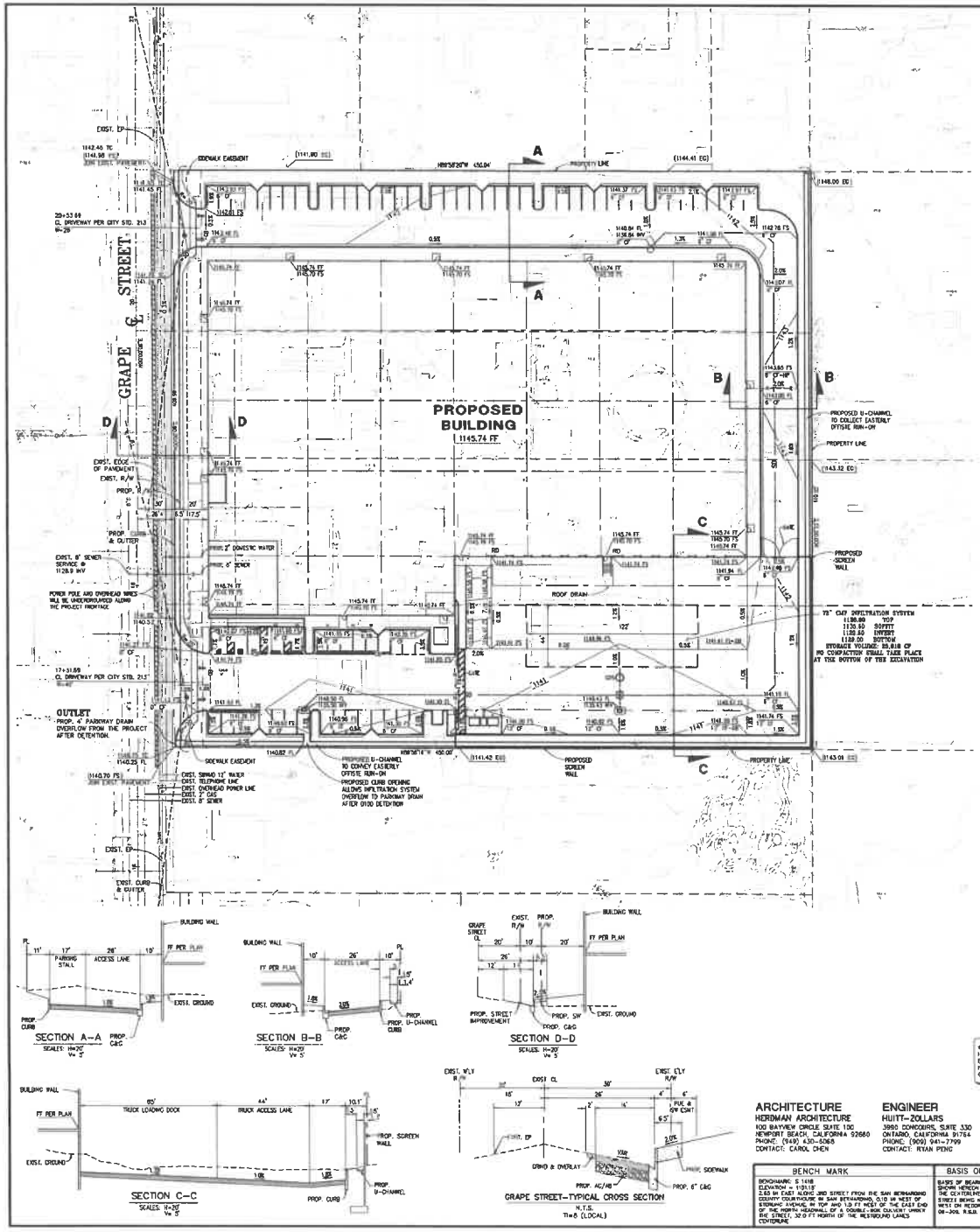
HERDMAN
ARCHITECTURE + DESIGN
A21-2283
05.25.2022

COLOR BOARD

A4_1

Exhibit 7:

Grading Plan



SECTION A–A
SCALES: H=20' V= 5'

SECTION B–B
SCALES: H=20' V= 5'

SECTION D–D
SCALES: H=20' V= 5'

SECTION C–C
SCALES: H=20' V= 5'

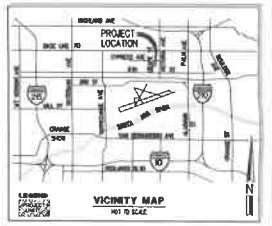
GRAPE STREET–TYPICAL CROSS SECTION
N.T.S.
The 8 (LOCAL)

* NOTE:
HORIZONTAL AND VERTICAL LOCATIONS TO BE VERIFIED IN THE FIELD AND ENGINEER NOTIFIED OF ANY DISCREPANCIES PRIOR TO CONSTRUCTION.

LEGEND

- PROPOSED STORM DRAIN
- PROPOSED SEWER
- PROPOSED WATER
- GRADE BREAK
- RIDGE LINE
- PROPERTY LINE
- CL
- EXISTING R/W
- PROPOSED R/W
- LINE OF SIGHT
- LANDSCAPE EASEMENT
- PROPOSED CURB OPENING INLET
- PROPOSED STREET LIGHT
- PROPOSED AC/AB
- REMOVE EXISTING PAVEMENT

CF	CURB FACE
CB	CATCH BASIN
C&G	CURB & GUTTER
CDS	CONTECH CDS UNIT
CL	CENTERLINE
DWY	DRIVEWAY
EXIST.	EXISTING
EP	EDGE OF PAVEMENT
EG	EXISTING GROUND
FF	FINISHED FLOOR
FS	FINISHED SURFACE
FL	FLOWLINE
GB	GRADE BREAK
INV	INVERT
LA	LANDSCAPE AREA
LP	LOW POINT
LT.	LEFT
N.A.P.	NOT A PART
P.I.P.	PROTECT IN PLACE
PP	POWER POLE
PL	PROPERTY LINE
PROP.	PROPOSED
RD	ROOF DRAIN
RT.	RIGHT
R/W	RIGHT-OF-WAY
STD	STANDARD
STL	STREET LIGHT
T.E.	TRASH ENCLOSURE
TP	TOP OF PAVEMENT
TC	TOP OF CURB
TG	TOP OF GRATE
EP	EDGE OF PAVEMENT
WSE	WATER SURFACE ELEVATION



VICINITY MAP
NOT TO SCALE

EARTHWORK VOLUMES

	CUT (CY)	FILL (CY)
RAW	4,270	11,479
OVEREXCAVATION	13,999	13,999
SUBTOTAL	18,269	25,478
SHRINKAGE 10%	-1,827	-
SUBSIDENCE 0.1'	-	1,025
SPOILS	638	
TOTAL	17,081	26,503
		9,422 CY SHORT

NOTE:
EARTHWORK ESTIMATE IS PRELIMINARY AND BASED ON CONCEPTUAL DESIGN ONLY AND TAKES INTO ACCOUNT PRELIMINARY SOILS PARAMETERS PROVIDED BY THE SOILS ENGINEER. ADJUSTMENTS MAY BE REQUIRED BASED ON FINAL DESIGN OF SITE PAVING THICKNESS. ADDITIONAL ADJUSTMENTS MAY BE REQUIRED BASED ON SITE SOIL CHARACTERISTICS EXPERIENCED DURING CONSTRUCTION.

LEGAL DESCRIPTION

THE LAND REFERRED TO HEREIN BELOW IS SITUATED IN THE CITY OF HIGHLAND, COUNTY OF SAN BERNARDINO, STATE OF CALIFORNIA, AND IS DESCRIBED AS FOLLOWS:

PARCEL A:
THAT PORTION OF LOT 6, CUNNINGHAM'S SUBDIVISION OF A PORTION OF BLOCKS 62 AND 63 OF THE RANCHO SAN BERNARDINO, IN THE CITY OF HIGHLAND, COUNTY OF SAN BERNARDINO, STATE OF CALIFORNIA, AS PER PLAT RECORDED IN BOOK 2 OF MAPS, PAGE 22, RECORDS OF SAID COUNTY, DESCRIBED AS FOLLOWS:

BEGINNING AT A POINT 340 FEET SOUTH AND 510 FEET WEST OF THE INTERSECTION OF THE CENTER LINE OF CYPRESS AND VICTORIA STREETS, AS SHOWN ON SAID MAP; THENCE WEST 480 FEET; THENCE NORTH 115 FEET; THENCE EAST 480 FEET; THENCE SOUTH 115 FEET TO THE POINT OF BEGINNING.

APN: 1192-281-23-0-000

PARCEL B:
SOUTH 102 FEET OF THE FOLLOWING DESCRIBED PROPERTY:

PORTION OF LOTS 4 AND 6, CUNNINGHAM SUBDIVISION, IN THE CITY OF HIGHLAND, COUNTY OF SAN BERNARDINO, STATE OF CALIFORNIA, AS PER PLAT RECORDED IN BOOK 2 OF MAPS, PAGE 22, RECORDS OF SAID COUNTY, DESCRIBED AS FOLLOWS:

COMMENCING IN THE CENTER LINE OF VICTORIA AVENUE, ALSO KNOWN AS PEPPER AVENUE, AT A POINT 430 FEET SOUTH OF THE INTERSECTION OF SAID CENTER LINE WITH THE CENTER LINE OF CYPRESS AVENUE, AS SHOWN BY THE MAP OF THE CUNNINGHAM SUBDIVISION OF A PORTION OF BLOCK 62 AND 63 OF THE RANCHO SAN BERNARDINO, IN BOOK 2 OF MAPS, PAGE 22, AND RUNNING THENCE WEST ALONG THE SOUTH LINE OF LAND CONVEYED TO S. TINEL AND ANN TINEL, BY DEED RECORDED IN BOOK 143, PAGE 355, OFFICIAL RECORDS, A DISTANCE OF 510 FEET TO THE POINT OF BEGINNING OF THE PARCEL HEREIN DESCRIBED; THENCE CONTINUING WEST ALONG THE SOUTH LINE OF SAID TINEL LAND 480 FEET TO THE WEST LINE OF LOT 6 OF SAID CUNNINGHAM SUBDIVISION; THENCE SOUTH ALONG THE WEST LINE OF SAID LOTS 6 AND 4, A DISTANCE OF 205 FEET; THENCE EAST PARALLEL TO THE SOUTH LINE OF SAID TINEL LAND, 480 FEET TO A POINT 510 FEET WEST OF THE CENTER LINE OF VICTORIA AVENUE; THENCE NORTH 206 FEET TO THE POINT OF BEGINNING.

APN: 1192-281-12-0-000

PARCEL C:
PARCEL 1:
ALL THAT PORTION OF LOT 6, CUNNINGHAM SUBDIVISION, IN THE COUNTY OF SAN BERNARDINO, STATE OF CALIFORNIA, AS SHOWN BY MAP ON FILE IN BOOK 2, PAGE 22, OF MAPS, IN THE OFFICE OF THE COUNTY RECORDER OF SAID COUNTY, DESCRIBED AS FOLLOWS:

BEGINNING AT A POINT IN THE WEST LINE OF LOT 6, 430 FEET SOUTH OF THE CENTER LINE OF CYPRESS STREET;

THENCE EAST AND PARALLEL TO THE CENTER OF CYPRESS STREET, 480 FEET;

THENCE NORTH 90 FEET;

THENCE WEST PARALLEL WITH THE CENTER LINE OF CYPRESS STREET, 480 FEET TO THE WEST LINE OF SAID LOT 6;

THENCE SOUTH 90 FEET TO THE POINT OF BEGINNING.

EXCEPT THE WEST 20 FEET THEREOF USED FOR STREET PURPOSES. SAID LAND IS ALSO SHOWN ON A RECORD OF SURVEY FILED IN BOOK 34 PAGE 8 OF RECORDS OF SURVEY, IN THE OFFICE OF THE COUNTY RECORDER OF SAID COUNTY.

APN: 1192-281-24-0-000

PARCEL 2:
THAT PORTION OF LOTS 4 AND 6, CUNNINGHAM SUBDIVISION, IN THE COUNTY OF SAN BERNARDINO, STATE OF CALIFORNIA, AS SHOWN BY MAP ON FILE IN BOOK 2, PAGE 22, OF MAPS, IN THE OFFICE OF THE COUNTY RECORDER OF SAID COUNTY, DESCRIBED AS FOLLOWS:

COMMENCING IN THE CENTERLINE OF VICTORIA AVENUE, ALSO KNOWN AS PEPPER AVENUE, AT A POINT 430 FEET SOUTH OF THE INTERSECTION OF SAID CENTERLINE WITH THE CENTERLINE OF CYPRESS AVENUE, AS SHOWN BY THE MAP OF THE CUNNINGHAM SUBDIVISION, OF A PORTION OF BLOCKS 62 AND 63 OF THE RANCHO SAN BERNARDINO, AS SHOWN BY MAP ON FILE IN BOOK 2, PAGE 22, OF MAPS, RECORDS OF SAN BERNARDINO COUNTY, CALIFORNIA, AND RUNNING THENCE WEST ALONG THE SOUTH LINE OF LAND CONVEYED TO S. TINEL AND ANN TINEL, BY DEED RECORDED IN BOOK 143, PAGE 355, OF OFFICIAL RECORDS, A DISTANCE OF 510 FEET TO THE POINT OF BEGINNING OF THE PARCEL HEREIN DESCRIBED;

THENCE CONTINUING WEST ALONG THE SOUTH LINE OF SAID TINEL LAND 480 FEET TO THE WEST LINE OF LOT 6 OF SAID CUNNINGHAM SUBDIVISION;

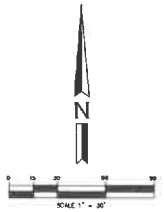
THENCE SOUTH ALONG THE WEST LINE OF SAID LOTS 6 AND 4, A DISTANCE OF 103 FEET;

THENCE EAST PARALLEL TO THE SOUTH LINE OF SAID TINEL LAND 480 FEET TO A POINT 510 FEET WEST OF THE CENTERLINE OF VICTORIA AVENUE;

THENCE NORTH 103 FEET TO THE POINT OF BEGINNING.

EXCEPTING THE WEST 20 FEET THEREOF FOR HIGHWAY PURPOSES. SAID 20 FOOT STRIP BEING PART OF THE HIGHWAY PAST SAID PREMISES TO CYPRESS AVENUE.

APN: 1192-281-11-0-000



ARCHITECTURE
HERDMAN ARCHITECTURE
100 BAYVIEW CIRCLE SUITE 100
NEWPORT BEACH, CALIFORNIA 92660
PHONE: (949) 430-5065
CONTACT: CAROL CHEN

ENGINEER
HUITT-ZOLLARS
3990 CONCOURS, SUITE 330
ONTARIO, CALIFORNIA 91764
PHONE: (909) 941-7799
CONTACT: RYAN PENG

OWNER
PATRIOT DEVELOPMENT PARTNERS
12126 W.SUNSET BLVD.
LOS ANGELES, CA 90049
PHONE: 858-952-4134
CONTACT: KEVAN RICE

BENCH MARK
BENCHMARK: E 1618
ELEVATION = 1151.15'
E 63 IN EAST ALONG 3RD STREET FROM THE SAN BERNARDINO COUNTY COURTHOUSE IN SAN BERNARDINO, 0.10 W/E OF STERLING AVENUE, IN TOP AND 1.9 FT WEST OF THE EAST END OF THE NORTH HEADWALL OF A DOUBLE-BOX CULVERT UNDER THE STREET, 32.0 FT NORTH OF THE RETROUND LINES CENTERLINE

BASIS OF BEARING
BASIS OF BEARINGS: BEARINGS ARE BASED ON THE CENTERLINE OF CYPRESS STREET BEING NORTH 89°38'22" WEST PER RECORD OF SURVEY 98-306, R.S.B. 130/8

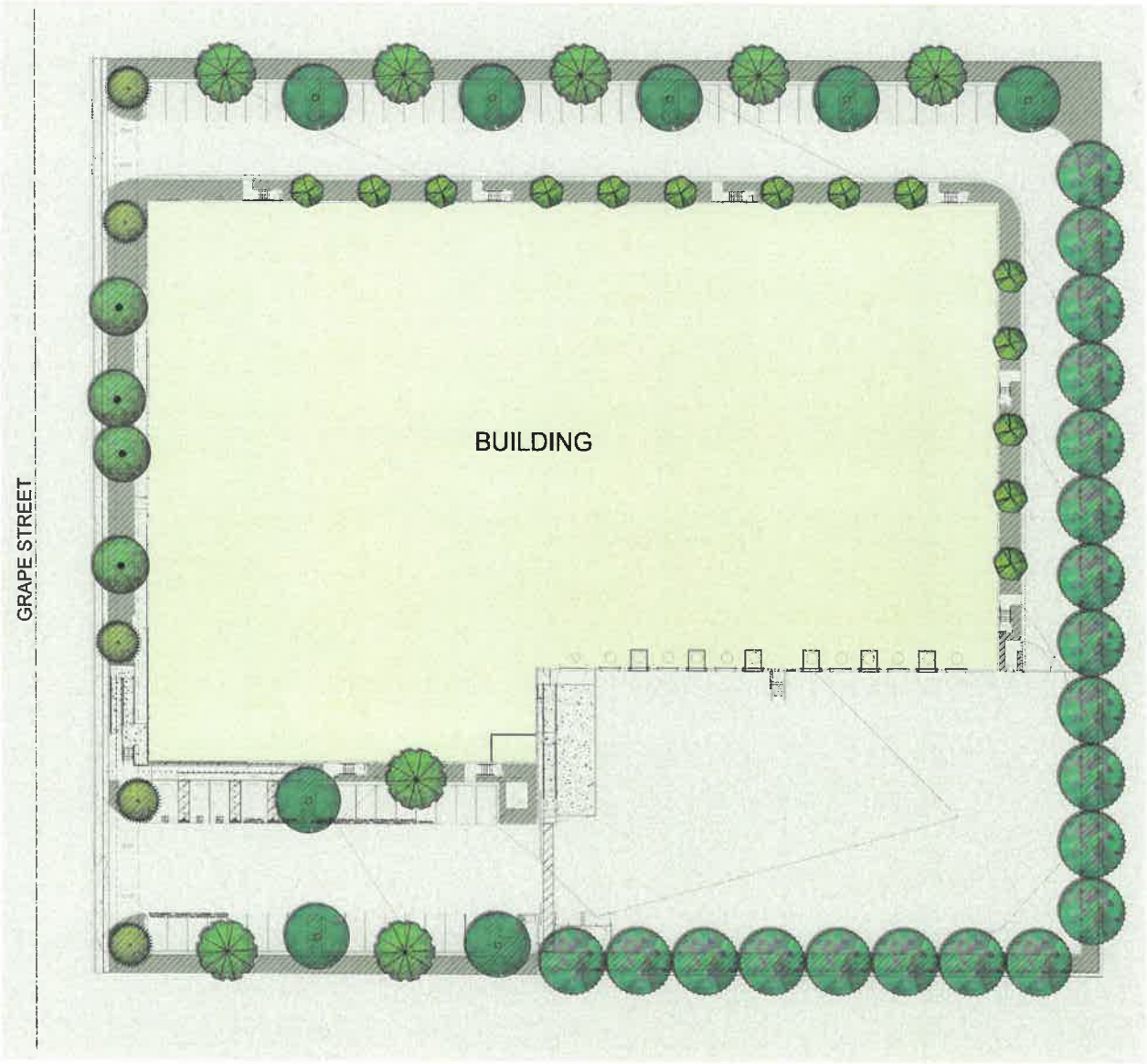
CONCEPTUAL GRADING PLAN
FOR
NORTH GRAPE INDUSTRIAL
CITY OF HIGHLAND

HUITT-ZOLLARS
HUITT-ZOLLARS, INC.
3990 CONCOURS, SUITE 330 * ONTARIO, CALIFORNIA 91764 * (909) 941-7799

DESIGNED BY	R.P.
DRAWN BY	R.P.
CHECKED BY	J.M.
FILE NAME	
JOB NO.	R1147702.01
SHEET	1 OF 2 SHEETS

Exhibit 8:

Landscape Plan



PLANTING LEGEND

TREES

SYMBOL	BOTANICAL/COMMON NAME	SIZE	QTY	WUCOLS	REMARKS
	Cercidium 'Desert Museum' Blue Palo Verde	36" Box	4	L	Multi
	Chilopsis linearis Desert Willow	36" Box	5	L	Multi
	Chitalpa tashkentensis Chitalpa	24" Box	8	L	Standard
	Pinus eldarica Afghan Pine	24" Box	20	L	Standard
	Rhus lancea African Sumac	24" Box	8	L	Standard
	Tristania conferta Brisbane Box	15 Gal	14	M	Standard

SHRUBS

SYMBOL	BOTANICAL/COMMON NAME	SIZE	QTY	WUCOLS	REMARKS
	Acca sellowiana Pineapple Guava	5 Gal	0	L	Hedge
	Callistemon 'Little John' Dwarf Bottle Brush	5 Gal	0	L	
	Carissa macrocarpa cpt 'Tuttle' Natal Plum	5 Gal	0	L	
	Cistus 'Sunset Pink' Sunset Pink Rockrose	5 Gal	0	L	
	Dasiphora fruticosa Silverberry	5 Gal	0	L	
	Rhamnus californica Coffeeberry	5 Gal	0	L	
	Rosmarinus o. 'Tuscan Blue' Rosemary	5 Gal	0	L	Hedge
	Salvia c. 'Allen Chickering' Allen Chickering Sage	5 Gal	0	L	
	Salvia greggii Autumn Sage	5 Gal	0	L	
	Salvia leucantha Mexican Sage	5 Gal	0	L	
	Westringia fruticosa Coast Rosemary	5 Gal	0	L	Hedge

ACCENTS

SYMBOL	BOTANICAL/COMMON NAME	SIZE	QTY	WUCOLS	REMARKS
	Agave 'Blue Glow' Blue Glow Agave	5 Gal	0	L	
	Agave victoria-reginae Agave	5 Gal	0	L	
	Agave vilmoriniana Agave	5 Gal	0	L	
	Aloe maculata Soap Aloe	5 Gal	0	L	
	Aloe petricola	1 Gal	0	L	
	Aloe striata Coral Aloe	1 Gal	0	L	
	Hesperaloe parviflora Red Yucca	5 Gal	0	L	

GROUNDCOVER

SYMBOL	BOTANICAL/COMMON NAME	SIZE	SPACING	WUCOLS	REMARKS
	Acacia redolens 'Low Boy' Dwarf Acacia	1 Gal	8' O.C.	L	
	Baccharis p. 'Pigeon Point' Dwarf Coyote Bush	1 Gal	6' O.C.	L	No Sheer
	Lantana 'Gold Mound' Yellow Lantana	1 Gal	36" O.C.	L	
	Lonicera j. 'Heilana' Hall's Honeysuckle	1 Gal	48" O.C.	L	
	Muhlenbergia capillaris Pink Muhly	1 Gal	36" O.C.	M	Grass
	Rosmarinus 'Huntington Carpet' Prostrate Rosemary	1 Gal	48" O.C.	L	
	Senecio mandraliscae Blue Fingers	4" Pots	12" O.C.	L	

N

0 10' 20' 40'

Grape Street

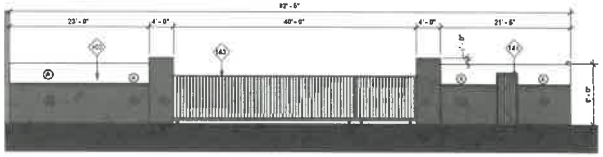
22-052
05.20.22
09.14.22

Highland, California

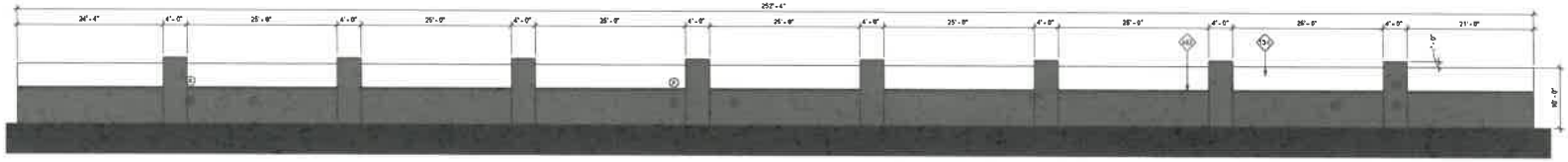
HUNTER LANDSCAPE
711 FEE ANA STREET PLACENTIA, CA 92870
714.986.2400 FAX 714.986.2408

Exhibit 9:

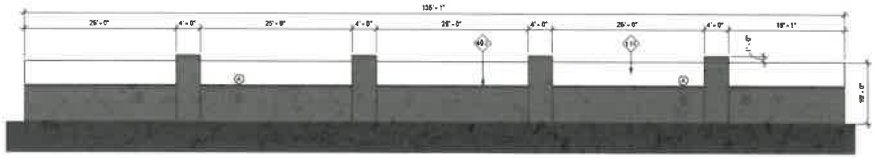
Fence & Wall Plan



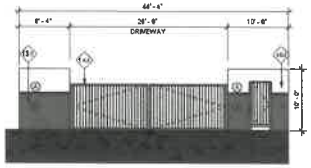
1 SOUTH TRUCK YARD - SOUTHWEST GATE ELEVATION
1/8" = 1'-0"



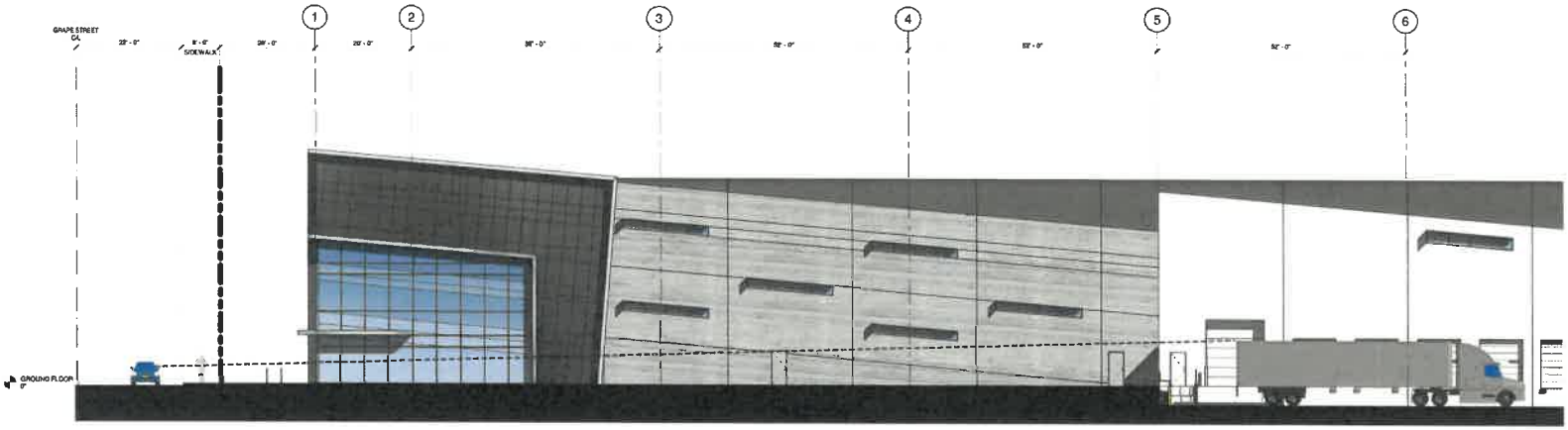
2 SOUTH TRUCK YARD - SITE WALL ELEVATION
1/8" = 1'-0"



3 SOUTHEAST TRUCK YARD - SITE WALL ELEVATION
1/8" = 1'-0"



4 EAST TRUCK YARD - NORTHEAST GATE ELEVATION
1/8" = 1'-0"



4 LINE OF SIGHT
1" = 20'-0"

KEYNOTES

136 CONCRETE TILT-UP SCREEN WALL. MIN HEIGHT 10'ABOVE HIGHEST ADJACENT FINISHED GRADE. PAINT BOTH SIDES AND TOP OF WALL. SEE PLANS FOR COLOR SCHEDULE.

143 PAINTED STEEL ROLLING GATE(S). MIN HEIGHT 6' ABOVE HIGHEST ADJACENT FINISHED GRADE OR AS SHOWN ON EXTERIOR ELEVATIONS. PROVIDE KNOX BOX AS REQUIRED BY FIRE AUTHORITY.

144 PAINTED STEEL SWINGING GATE(S). MIN HEIGHT 6' ABOVE HIGHEST ADJACENT FINISHED GRADE OR AS SHOWN ON EXTERIOR ELEVATION 3. PROVIDE KNOX BOX AS REQUIRED BY FIRE AUTHORITY.

145 PAINTED STEEL SWINGING PEDESTRIAN GATE. WHEN OCCURS IN TUBE STEEL FENCE, ALIGN TOP W/ FENCE. HEIGHT. WHEN OCCURS IN CONCRETE SCREEN WALL U.O.N., ALIGN TOP W/ SCREEN WALL. PROVIDE KNOX BOX AS REQUIRED BY FIRE AUTHORITY.

400 WALL REVEAL

EXTERIOR COLOR SCHEDULE

- (A) EXTERIOR PAINT COLOR: SW 6966 SUPERWHITE
- (B) EXTERIOR PAINT COLOR SW 7674 PEPPERCORN
- (C) CONCRETE FORMLINER MANUF. FITZGERALD FORMLINERS STYLE 18925 WEATHERED PLANK COLOR UNFINISHED
- (D) METAL PANEL COLOR
- (E) STOREFRONT MEDIUM PERFORMANCE BLUE REFLECTED GLAZING BLACK ANODIZED MULLION
- (F) CLEAR ANODIZED METAL EYE BROW

NOTES:

1. PAINT MAN DOORS, STAIR & RAMP GUARD WALLS, GUARD RAILS, DOWN SPOUTS, & LOUVERS TO MATCH ADJACENT BUILDING WALL COLOR, U.O.N.
2. U.O.N., EXTERIOR SIDE OF TRUCK DOORS TO BE PRE-FINISHED WITH MANUFACTURER'S WHITE. INTERIOR SIDE TO BE PRE-FINISHED WITH MANUFACTURER'S LIGHT GRAY.
3. POWER WASH EXTERIOR CONCRETE WALLS PRIOR TO PAINTING TO REMOVE ALL CHEMICALS AND DIRT THAT WILL IMPEDE THE PRIMER COAT FROM ADHERING TO THE WALLS.
4. PAINT EXTERIOR WALLS w/ 1- COAT SPRAYED AND BACK ROLLED ACRYLIC FLAT PRIMER AND 2COATS SPRAYED ON FLAT FINISH IN THE FINAL WALL COLOR. ALL PAINTS TO BE AS SPECIFIED BY THE MANUFACTURER FOR CONCRETE TILT UP WALL PANELS. FINISHED JOB SHALL BE SMOOTH AND FREE OF LAPPING AND OR STREAKING, REGARDLESS OF THE COLOR.
5. EXCEPT WHERE NOTED OTHERWISE ON THE PLANS, ALL PANEL JOINTS SHALL BE CAULKED PER DETAIL 9/A04.1.
6. PAINT CONCRETE SIDING, ANY OPEN TRELLIS WORK THE COLOR OF THE ADJACENT WALL.
7. @ SOLID BROWS WITH GLAZING DIRECTLY ABOVE OR BELOW, PAINT THE EXPOSED WALL CHANNEL JUST ABOVE OR BELOW THE BROW TO MATCH THE BROW COLOR.

SITE PLAN GENERAL NOTES

1. THE SITE PLAN SHALL MEET ALL ENGINEERING & NPDES REQUIREMENTS
2. GENERAL CONTRACTOR TO REVIEW THE SOILS REPORT AND ALL AMMENDMENTS LISTED ON THE TITLE SHEET AND FOLLOW ALL RECOMMENDATIONS
3. U.O.N., ALL DIMENSIONS TO CONCRETE WALLS AND CURBS ARE EITHER TO THE CENTER (SHOWN WITH A CENTERLINE) OR FACE OF THE WALL OR CURB. ALL DIMENSIONS TO FRAMED WALLS ARE EITHER TO THE CENTER LINE OF THE WALL FRAMING (SHOWN WITH A CENTERLINE) OR THE FACE OF THE WALL FINISH
4. REFER TO CIVIL AND MEP PLANS TO CONFIRM UTILITY INFORMATION SHOWN ON THE ARCHITECT'S SITE PLAN AND FOR ADDITIONAL UTILITY INFORMATION GENERAL CONTRACTOR TO COORDINATE ALL POINTS OF CONNECTION.
5. REFER TO CIVIL DRAWINGS FOR ALL FINISHED GRADES AND SLOPES. ALL FINISHED GRADES TO PROVIDE POSITIVE DRAINAGE AWAY FORM THE BUILDING. GENERAL CONTRACTOR TO FIELD VERIFY.
6. ALL ACCESSIBLE ROUTES NOEINTIFIED ON THE SITE PLAN DRAWINGS SHALL CONFORM TO THE FOLLOWING.
   a. SLOPES IN THE DIRECTION OF TRAVEL DO NOT EXCEED 5%. CROSS SLOPES DO NOT EXCEED 2%
   b. THE CLEAR WIDTH OF ALL WALKWAYS IS 4'-0" MIN.
   c. CHANGES IN LEVEL UP TO 1/2" COMPLY w/ 1133.2.1. CHANGES IN LEVEL GREATER THAN 1/2" IF THEY OCCUR ARE RAMPED. SEE PLANS
   d. THE VERTICAL CLEARANCE ALONG THE ACCESSIBLE ROUTE IS 80" MIN.
7. ALL PAVED AND LANDSCAPED AREAS TO BE BOUND BY A MIN. 6" HIGH, 6" WIDE CONCRETE CURB U.O.N.
8. A CONCRETE NOM 2'STEP EXTENDING 12" BEYOND EA END OF THE OPENING SHALL BE PROVIDED @ ALL EXTERIOR GLAZING WHERE THE SILL IS WITHIN 2' VERICAL OF THE FINISHED GRADE. SEE 2/A01.1
10. PROVIDE PIPE BOLLARD PROTECTION POSTS AS REQUIRED BY UTILITY COMPANIES AND OR FIRE AUTHORITIES AT ALL EXTERIOR ELECTRICAL EQUIPMENT AND FIRE PREVENTION DEVICES. IF PIPE BOLLARD PROTECTION POST DETAILS ARE NOT PROVIDED BY UTILITY COMPANIES AND OR FIRE AUTHORITY SEE DETAIL 3/A01.1
11. ALL EXPOSED ELECTRICAL DEVICE COVERAGE SHALL BE PAINTED FORREST GREEN.
12. WHERE OCCURS, GENERAL CONTRACTOR TO PROVIDE FLUID APPLIED DAMP PROOFING AT ALL RETAINING AND PLANTER WALLS WHERE THE SIDE OF THE WALL OPPOSITE THE SOIL SIDE IS EXPOSED TO VIEW AND ALL EXTERIOR WALLS WHERE THE ADJACENT FLOOR SLAB IS BELOW GRADE. SEE 7/A01.1

PROJECT
PATRIOT PARTNERS GRAPE ST.
HIGHLAND, CA
FIRST PLANNING SUBMITTAL

HERDMAN
ARCHITECTURE + DESIGN
A21-2283
09.14.2022

GATE & FENCE ELEVATIONS

A1_2

9/14/2022 11:40:04 AM

Attachment 1:

Resolution No. 2022-____

for Conditional Use Permit (CUP 22-003)

RESOLUTION NO. 2022-____

A RESOLUTION OF THE PLANNING COMMISSION OF THE CITY OF HIGHLAND, CALIFORNIA, APPROVING CONDITIONAL USE PERMIT (CUP 22-003) FOR THE DEVELOPMENT OF A 90,532 SQUARE FOOT WAREHOUSE AND ASSOCIATED IMPROVEMENTS ON THE EAST SIDE OF GRAPE STREET, APPROXIMATELY 200 FEET SOUTH OF CYPRESS STREET. RELATED ENTITLEMENTS INCLUDE DESIGN REVIEW APPLICATION (DRA 22-008), VARIANCE (VAR 22-003) AND TENTATIVE PARCEL MAP (TPM 22-009).

ASSESSOR'S PARCEL NUMBERS: 1192-261-11, 12, 23, & 24

APPLICANT: PATRIOT PARTNERS, LLC

A. RECITALS

1. On May 31, 2022, the Applicant submitted an application for Conditional Use Permit (CUP 22-003) to entitle the development of a 90,532 square foot industrial warehouse and associated improvements including loading docks, trailer parking, passenger vehicle parking, a stormwater infiltration basin, and landscape area. Related applications were also filed for Design Review Application (DRA 22-008) that included a Site Plan, Building Elevations, Rough Grading Plan, conceptual Landscape Plan, Variance (VAR 22-003) allowing the warehouse building to exceed the maximum building height permitted in the Business Park Zone by fourteen (14) feet; and Tentative Parcel Map (TPM 22-009) to combine four (4) parcels into one (1).

2. The site is located on an approximately 4.24 acres on the east side of Grape Street, approximately 200 feet south of Cypress Street within the City's Business Park (BP) Zoning and General Plan Land Use Designations;

3. Pursuant to the provision of the California Environmental Quality Act (CEQA) and State and Local CEQA Guidelines, the City of Highland is the Lead Agency, and is charged with the responsibility of deciding whether to approve the proposed project. An Initial Study and Mitigated Negative Declaration were prepared and circulated in accordance with state and local law to be considered by the Planning Commission at the September 20, 2022 public hearing.

4. On September 20, 2022, the Planning Commission of the City of Highland, conducted a Public Hearing on the subject Project and concluded the Hearing on that date.

5. All legal prerequisites to the adoption of this Resolution have occurred.

B. RESOLUTION

NOW THEREFORE, it is hereby found, determined and resolved by the Planning Commission of the City of Highland as follows:

1. The Planning Commission finds that all of the facts set forth in the Recitals, Part "A" of this Resolution, are true and correct.

2. Pursuant the California Code of Regulations, the City of Highland Planning Commission hereby finds that a Mitigated Negative Declaration prepared for the project has been completed in compliance with the California Environmental Quality Act (CEQA) and that the Planning Commission has reviewed and considered the information contained in the staff report, and the comments received during the public review process, prior to approving the project.

3. Based upon substantial evidence presented to the Planning Commission during the September 20, 2022 Public Hearing, including public testimony and written and oral Staff Reports, the Planning Commission finds as follows:

   a. All necessary public meetings and opportunities for public testimony and comment have been conducted in compliance with State Law and the Municipal Code of the City of Highland.

4. Findings of Fact for Conditional Use Permit (CUP 22-003):

   a. The proposed use is permitted within the subject district pursuant to the provisions of this section, and complies with all of the applicable provisions of this title; and is consistent with the goals, policies, and objectives of the Highland General Plan, and the applicable development policies and standards of the city.

      Response: A warehouse facility, such as the one proposed, is permitted within the Business Park (BP) Zone upon approval of a Conditional Use Permit. Applicable provisions in Title 16, *Land Use*, include but are not limited to, Chapter 16.24 *Employment Zones*, 16.40 *General Development Standards*, 16.54 *Parking*, and 16.68 *Land Divisions* with respect to the Tentative Parcel Map. The project satisfies the standards established in the chapters with the exception of a request for a variance to increase the maximum building height to forty-nine (49) feet. Additionally, the Applicant is requesting the Commission consider a reduction in the number of required parking spaces from 106 to the 70 provided. Findings can be made for each of the deviations.

      The General Plan goals and policies relevant to the project include its inclusion in the Victoria Avenue Corridor Policy Area, and general standards applicable to the Land Use Element, Circulation Element, and Community Design Element. The project meets all relevant goals and policies.

   b. The proposed use would not impair the integrity and character of the district in which it is to be established or located.

Response: The project would be developed in compliance with the Highland General Plan and Municipal Code standards related to warehousing in the Business Park (BP) District within the Victoria Avenue Corridor Policy Area. It meets development code standards such as land use, setbacks, density, circulation, etc. It has a high quality, modern design complementary to the Policy Area consistent with the vision for primary intersections within the Victoria Avenue Corridor. The building and site feature high quality finishes, landscaping, and aesthetic accents.

c. The site is suitable for the type and intensity of use or development which is proposed.

Response: The project site is appropriate for a warehouse development as it combines four (4) parcels for a total of 4.24 acres. It is relatively flat and will require the demolition of four (4) existing single-family homes each respective lot. There are no geographic or man-made impediments to the development of a warehouse on this site. There are utilities available within the adjacent right-of-way and drainage is good for on-site water retention and water quality treatment. There is access to the site from Grape Street along the western frontage and the site is adjacent to other Business Park zones parcels to the north, south, and east. It is also located within a half mile of the San Bernardino Airport and one and a half mile of the 210 Freeway.

Per Municipal Code Section 16.24.040 Employment District Development Standards, the maximum lot coverage is 60%. The project has proposed for 49.1%. It meets the minimum lot size, lot width and depth as well as required building setbacks and landscape coverage.

d. There are adequate provisions for water, sanitation, and public utilities and services to ensure public health and safety.

Response: Existing water, public utilities and services for the project are available adjacent to the site within the public right-of-way. East Valley Water District provided a "Will Serve" letter to the applicant, confirming the provision of services. All other utility providers were given notice of the project and none expressed concern. Public health and safety was addressed with the design and conditioning of the project.

e. The proposed use will not be detrimental to the public health, safety, or welfare, or materially injurious to properties and improvements in the vicinity.

Response: The proposed warehouse development will be in compliance with Municipal, Fire & Building codes. Each public safety division of the City has reviewed the project and provided relevant Conditions of Approval that will be adopted by resolution. The necessary ingress and egress are provided and all public utilities and services will be in place. There is no indication that the project would be detrimental to the public

health, safety or welfare, or materially injurious to properties and improvement in the vicinity.

f. The proposed use would not result in a significant effect on the environment.

Response: Pursuant to the California Environmental Quality Act (CEQA) and State and Local CEQA Guidelines, the City of Highland is the Lead Agency. As such, the City oversaw preparation of an Initial Study, which was made available for public review from August 22, 2022 to September 11, 2022. The Initial Study finds that either no impact or less than significant impacts would be associated with the issues of Aesthetics, Agricultural and Forestry Resources, Energy, Greenhouse Gas Emissions, Hazards and Hazardous Materials, Hydrology and Water Quality, Land Use and Planning, Mineral Resources, Noise, Population/Housing, Public Services, and Recreation, Transportation and Traffic, Wildfire, and Utilities and Services Systems.

The Initial Study also finds that potential impacts to air quality, biological resources, tribal/cultural resources, as well as geology and soils require the implementation of mitigation measures to reduce impacts to a less than significant level. A Mitigated Negative Declaration is the appropriate document for this project and will be adopted concurrently with the Conditional Use Permit.

5. That all necessary public meetings and opportunities for public testimony and comment have been conducted in compliance with State Law and the Municipal Code of the City of Highland. As described in the Recitals above, the Planning Commission considered the project, and all testimony, comment and evidence regarding the same, at noticed public hearings conducted in accordance with State Law and the City Municipal Code;

6. Based on the Findings and Conclusions set forth above, the Planning Commission approves Conditional Use Permit (CUP 22-003) facilitating the construction of a 90,532 square foot warehouse and related improvements. All improvements will be completed subject to the Conditions of Approval attached hereto and the development plans incorporated by reference.

7. The Planning Commission hereby directs Staff to file a Notice of Determination with the San Bernardino County Clerk of the Board of Supervisors, pursuant to the Public Resources Code and State CEQA Guidelines.

C. ADOPTION OF RESOLUTION.

The City Clerk shall certify to the adoption of this Resolution and shall cause the same to be published or posted in the manner prescribed by law.

PASSED, APPROVED, AND **ADOPTED** this 20th day of September, 2022.

ATTEST:

Randall Hamerly, Chairman Planning Commission	Lawrence A. Mainez Community Development Director

Exhibit A:

Conditions of Approval (CUP 22-003)

PLANNING DIVISION CONDITIONS OF APPROVAL

Date:	September 20, 2022
Applicant:	Patriot Partners, LLC
File/Index:	Conditional Use Permit (CUP 22-003)
Proposal:	The development and operation of a 90,532 square foot warehouse/logistics and associated improvements.
Location:	A 4.24 acre site on the east side of Grape Street, approximately 200 feet south of Cypress Street.
	Assessor's Parcel Numbers: 1192-261-11, 12, 23, & 24.
Related Entitlements:	Design Review Application (DRA 22-008), Tentative Parcel Map (TPM 22-009), & Variance (VAR 22-003)

PLANNING CONDITIONS OF APPROVAL

Note: These conditions represent Planning Division conditions only and are meant to be only one part of the Project's overall conditions that may include Building and Safety, Engineering, and the Fire Department conditions of approval. All required on-site and off-site improvements shall be completed and approved prior to final inspection for occupancy, except where noted.

Conditional Use Permit (CUP 22-003) is conditionally approved, subject to compliance with the requirements as specified below. The Conditions listed below are continuing Conditions; failure of the Applicant and/or operator to comply with any or all Conditions at any time, shall result in initiating revocation of the subject permit.

1. Conditional Use Permit (CUP 22-003) shall become null and void:

    a. Unless all conditions have been complied with and the occupancy or use of the land or structures authorized by this design review application, and have occurred within thirty-six (36) months from the approval date this design review application shall expire and be null and void without further action by the City of Highland.

    b. Where circumstances beyond the control of the Applicant cause delays which do not permit compliance within the time limitation established in this Section, the Planning Commission may grant an extension of time for a period of time not to exceed an additional thirty-six (36) months. An application for an extension of time must be set forth in writing, stating the reasons for the extension, and must be filed with the community development department no less than 30 calendar days nor more than 90 calendar days prior to the expiration date of the permit or approval. Such application shall be filed together with the City's processing fee, as established by the City Council.

NOTE: All required on-site and off-site improvements shall be completed and approved prior to final inspection for occupancy.

2. The proposed Entitlement permits the construction and operation of an approximately 90,532 square foot warehouse and associated improvements including loading docks, tractor-trailer stalls, passenger vehicle parking, a stormwater detention/infiltration basin, landscaping and off-site improvements along the Grape Street frontage as illustrated in the approved plans.

    a. Three complete sets of revised plans reflecting changes required by these conditions of approval and Planning Commission directives shall be submitted to the planning Department within two weeks of this project's approval.

3. The project site has been reviewed and approved for warehouse/logistics use with no outdoor storage of materials. Any change of use of this project site, the occupancy, or tenant change in the building, or portion thereof, may require a revised plot plan be submitted to the City for review and approval, which identifies location of use, letter of intent and parking requirements.

4. No outdoor storage facilities may be constructed or placed onsite for either permanent or temporary use. This includes, but is not limited to storage sheds, cargo containers, tents, canopies, or similar structures.

5. There shall be no parking of semi-trailer trucks unrelated to the warehouse business in operation.

6. The operator and recorded owner of the property shall submit to the Planning Division written evidence of agreement with all conditions of this approval before the approval becomes effective. Plan check cannot begin prior to receipt of this signed documentation.

7. In compliance with the Highland Municipal Code, the Applicant/Owner shall agree, at his/her sole cost and expense, to defend, indemnify, and hold harmless, the City, its officers, employees, agents, and consultants, from any claim, action, or proceeding brought by a third-party against the City, its officers, agents, and employees, which seeks to attack, set aside, challenge, void, or annul an approval of the City Council, Planning Commission, or other decision-making body, including staff, concerning this project. The City may, at its sole discretion, participate at its own expense in the defense of any such action but such participation shall not relieve the Applicant/Owner of his/her obligations under this condition.

8. The Owner/Applicant is responsible for implementing all conditions of approval to the satisfaction of the Community Development Director, City Engineer, Fire Department, and Police Department. No final inspection or clearances shall be

given until all conditions are met. Each condition of approval is separately enforced, and if one of the conditions of approval is found to be invalid by a court of law, all the other conditions shall remain valid and enforceable.

9. Revisions, modification, or deletions of associated plans must be submitted to the Planning Division for review and approval. Revisions may require additional review by the Planning Commission.

10. Pursuant to provisions of California Public Resources Code Section 21089 (b), this Application shall not be operative, vested or final, nor will building permits be issued or a map recorded, until: (1) the Notice of Determination (NOD) regarding the associated environmental action is filed and posted with the Clerk of the Board of Supervisors of the County of San Bernardino, and; (2) any and all required filing fees assessed pursuant to California Fish and Game Code Section 711.4, together with any required handling charges, are paid to the Clerk of the Board of Supervisors of the County of San Bernardino.

    a. The Applicant shall provide the Planning Division with a check for the appropriate fee, made payable to the Clerk of the Board of Supervisors, no later than 24 hours after receiving approval of the project. The City will file the NOD and fee payment with the County/State and will provide the Applicant with a copy of the receipt and filed NOD.

    b. Construction and operation of the proposed project shall be in compliance with the project's Mitigation Monitoring and Reporting Program.

11. Development Impact Fees shall be paid in accordance with City policy.

12. A reduction in the number of parking spaces required by Highland Municipal Code Section 16.52.030 *Schedule of off-street parking requirements*, is approved as validated by the project parking study. The project shall provide no less 70 parking spaces; 55 of which are standard, 1 dedicated to vanpool, 2 standard ADA, 4 clean air vehicles, 5 electric vehicles, and 3 spaces for ADA compliant electric vehicles, ADA compliant electric vans, and traditional ADA compliant vans, respectively. Minor modifications may be made as authorized by the Community Development Director.

13. The design and installation of signs shall be in accordance with Chapter 16.56, Sign Regulations, of the Highland Municipal Code, unless otherwise approved by the Planning Commission.

14. Easterly and southerly CMU walls surrounding truck loading/unloading area shall be ten (10) feet tall as measured from the adjacent onsite grade. Remaining perimeter of the site shall feature six (6) foot tall CMU walls.

15. Prior to the issuance of a business license the perspective tenant's business operations shall be reviewed by the Planning Commission to determine hours of truck traffic on Cypress Street

City of Highland

Engineering Department
Conditions of Approval
(CUP 22-003 & DRA 22-008 & TPM 22-009) Patriot on Grape Street

---

A - Required Prior to Map Approval
B - Required Prior to Building Permit/Construction
C - Required Prior to Building Occupancy
D - Ongoing
E - Required Prior to Grading Permit
* - Non Standard Conditions

Soils/ Geology/ Grading

E 1. Design grading and landscaping plans to comply with the City's clear sight triangle criteria at public street intersections and at private driveways. Walls, fencing, monument signs, slope, and landscaping, within the clear sight triangle, must not exceed thirty inches in height measured from the flowline of the street, unless a sight distance analysis that demonstrates sight distance is adequately maintained is submitted to and approved by the City Engineer.

E 2. Submit a preliminary soils report, prepared by a licensed Geotechnical Engineer, for review and approval by the City Engineer. Comply with the recommendations contained in the report and any amendments thereof as approved by the City Engineer.

E 3. Submit rough and/or precise grading plans to the City Engineer for review and approval. Comply with the City of Highland grading standards as shown on the grading plan checklist.

E 4. Submit the structural design and location for any required retaining walls for review and approval by the City Engineer. Construct concrete v-ditches and drainage system at the back of retaining walls in accordance with the Grading Plan Checklist and as required by the City Engineer.

E 5. Submit an erosion control plan to minimize potential increases in erosion and sediment transport during construction activity for City Engineer approval. Place erosion control measures during or after grading work as required by the City Engineer.

E 6. Design short-term erosion control in accordance with Best Management Practices such as, hydroseeding, mulching, jute matting or plastic sheeting to protect slopes; silt fencing to control site perimeter; and straw bale barriers, sand bag barriers, rock filters or sediment basins to control internal erosion, or other methods to stabilize disturbed areas, as approved by the City Engineer.

D 7. Implement dust control measures during construction activities including, but not limited to, daily watering of construction area as frequently as necessary during active and inactive periods, utilizing soil emulsions, limiting construction vehicle speed to 10 miles per hour, stabilizing construction entrances to prevent trackout of sediments, and street sweeping.

E 8. Design grading to intercept and conduct off-site tributary drainage flow around or through the project site in a manner that does not adversely affect adjacent properties. Conveyance of on-site and off-site tributary flows shall be maintained by the underlying property owner.

E 9. Design grading to drain the entire area of the project to the proposed Water Quality Management Plan (WQMP) infiltration basins and to accommodate overflows as necessary.

E* 10. Plot all existing and proposed easements on grading plan and note disposition of any existing utilities, appurtenances, fences, and access roads.

D* 11. Construct temporary sedimentation basins for use during the grading and construction period of the project. Do not start using the proposed infiltration basins until the site is stabilized for erosion and sedimentation.

B 12. Submit original wet signed and stamped rough grading certifications from the soils engineer and the grading engineer, along with compaction reports, to the City Engineer.

C 13. Submit original wet signed and stamped final grading certification from the grading engineer, to the City Engineer.

STREET IMPROVEMENT

C* 14. Remove existing improvements along eastside of Grape Street and construct new street improvements across the entire Grape Street frontage of the project and across the frontage of APN 1192-281-08 (7801 Grape Street). Construct new street improvements including, but not limited to, 6" curb and gutter located 26' east of street centerline, 6'-wide curb-adjacent sidewalk, and street lights. Design the limits and extent of removal of existing improvements, and construction of transitional improvements, as directed by the City Engineer.

C* 15. Construct new asphalt concrete pavement with class II aggregate base improvements to 12' west of centerline of Grape Street (T.I.=8) asphalt concrete pavement with class II aggregate base. Design the limits and extent of removal of existing improvements, and construction of transitional improvements, as directed by the City Engineer.

C* 16. In the event the developer, after a verifiable good faith effort, fails to acquire the required off-site property interests, the developer shall, prior to approval of the Final Map, enter into an agreement with the City to complete the improvements pursuant to Government Code Section 66462 at such time as the City acquires the property interests required for the improvements. Such agreement shall provide for payment by developer of all costs incurred by the City to acquire the off-site property interests (right of way dedications and permission to grade and construct as applicable) required in connection with the subdivision. Security for a portion of these costs shall be in the form of a cash deposit in the amount estimated by the City based on an appraisal report obtained by the developer, at the developer's cost. The appraiser shall have been approved by the City prior to commencement of the appraisal.

C* 17. Construct commercial drive approaches with curb returns per City Standard 213. Note 4.5' sidewalk easement will be required back of commercial drive approach (Std. 213).

C 18. Construct private ingress/ egress improvements at the southerly and northerly approach of Grape Street to permit right in and left out only truck movement.

C 19. Construct private ingress/ egress improvements at the southerly and northerly approach of Grape Street to permit right in/ right out and left in/ left out movements for passenger vehicles only.

C* 20. Remove existing improvements along northside of 6th Street and construct new street improvements across the entire 6th Street between Grape Street and Victoria Avenue. Construct new street improvements including, but not limited to, 6" curb and gutter located 22' north of street centerline, 6'-wide curb-adjacent sidewalk, and street lights. Design the limits and extent of removal of existing improvements, and construction of transitional improvements, as directed by the City Engineer.

C* 21. Construct new asphalt concrete pavement with class II aggregate base improvements to centerline of 6th Street (T.I.=8) asphalt concrete pavement with class II aggregate base. Design the limits and extent of removal of existing improvements, and construction of transitional improvements, as directed by the City Engineer.

C* 22. Remove existing improvements along eastside of Grape Street and construct new street improvements across the entire Grape Street frontage south of APN 1192-281-08 (7801 Grape Street). Construct new street improvements including, but not limited to, 6" curb and gutter located 26' east of street centerline, 6'-wide curb-adjacent sidewalk, and street lights. Design the limits and extent of removal of existing improvements, and construction of transitional improvements, as directed by the City Engineer.

C* 23. Construct new asphalt concrete pavement with class II aggregate base improvements to 12' west of centerline of Grape Street (T.I.=8) asphalt concrete pavement with class II aggregate base south of APN 1192-281-08 (7801 Grape Street). Design the limits and extent of removal of existing improvements, and construction of transitional improvements, as directed by the City Engineer.

E 24. Submit engineering plans for street improvements and signing & striping to the City Engineer for review and approval. Indicate the location of any existing utility/facility which would affect construction on plans and profiles. Comply with the City design standards as shown on the street and storm drain improvement checklist. Provide ADA access to site from right of way.

C 25. Install traffic control signs and pavement markings, with locations and types approved by the City Engineer.

C 26. Design and construct public improvements including sidewalk, driveway approaches and access ramps in accordance with all requirements of the State of California Accessibility Standards, Title 24 California Administrative Code. Redesign and reconstruct existing frontage improvements if found not in compliance with City Standards.

C* 27. Install new LS3 metered street light system along the project frontages. The new street lights, electrical conduits, wiring and meter etc. will be owned and maintained by the City. The street lights shall be equipped with a Light Emitting Diode (LED) luminaire on a marbelite pole with types and at the location specified by the City Engineer. Pay the City street lighting energy and maintenance charges for the initial 12 months.

C 28. Submit "Record Revisions" to all plans to reflect the improvements as constructed, and any changes made during construction.

WATER QUALITY/ DRAINAGE

E 29. Obtain approval by the City Engineer of a Final Water Quality Management Plan (F-WQMP), prepared in accordance with the City's National Pollutant Discharge Elimination System (NPDES) permit requirements in effect at the time the Conceptual Water Quality Management Plan was approved unless subsequent City NPDES permits require otherwise. The F-WQMP shall (1) be prepared, signed, and sealed by a licensed Civil Engineer, (2) include Site Design Low Impact Development and Source Control Best Management Practices (BMPs) appropriate for residential development, (3) include a BMP implementation, operation, and funding mechanism, and (4) be certified by the property owner. The property owner shall also enter into a Stormwater BMP Transfer, Access, and Maintenance Agreement with the City on standard City form. Include a copy of the recorded agreement in the F-WQMP. Construct BMPs in accordance with the approved F-WQMP. Include the project grading plan, landscape plan and utility plan with the first submittal of the F-WQMP.

C* 30. Construct and implement site design BMPs specified in the project approved F-WQMP including, but not limited to, pretreatment devices approved at time of C-WQMP approval, underground infiltration systems, and raised curb landscaped areas and parking lot islands. Alternate site design BMPs which are equally effective may be submitted for review and approval by the City Engineer.

C 31. Submit two sets of WQMP BMP Exhibits with a "WQMP BMP As-Built Certificate" wet signed and sealed by the Engineer of Record. The Certificate shall state:

"I hereby certify that the Water Quality Management Plan Best Management Practices have been constructed under my supervision in accordance with the approved plans and are functional to the best of my knowledge."

C* 32. Construct on-site private drainage system, HDPE or other pipe material as approved by City Engineer, to drain the entire project site to the proposed WQMP BMPs in accordance with the approved Final Water Quality Management Plan, and construct necessary drainage overflow facilities. Construct an overflow pipe to convey any overflow from the proposed underground infiltration system to Grape Street as necessary.

B 33. At the underground infiltration system proposed by the Final WQMP, conduct at least two new infiltration tests using a double-ring infiltrometer. The tests shall be conducted at the proposed chamber system subgrade elevation, prior to the submittal of the F-WQMP. After obtaining the results from the two tests, the engineer and geotechnical engineer shall determine if additional testing is required.

C 34. Register the underground chambers with EPA as a Class V Injection Well.

E 35. Submit a hydrology study to determine storm runoff quantities tributary to and generated by the Project for review and approval by the City Engineer. Include hydraulic calculations to determine the size and type of all drainage facilities.

E 36. Submit engineering plans for public and private drainage systems to the City Engineer for review and approval. Indicate the location of any existing utility facility which would affect construction on plans and profiles. Comply with the City design standards as shown the street and storm drain improvement checklist.

DEDICATION/ANNEXATION

C* 37. Apply to the City to annex the project into the City's Consolidated Landscape District (LMD) for potential City maintenance of parkway and frontage landscaping along Grape Street. The City will maintain parkway and frontage landscaping utilizing LMD revenue only if the City determines that adequate maintenance is not being provided by the property owner. The potential future amount of assessment will include the estimated on-going maintenance cost and one-time construction cost to convert the privately-maintained system to the City-maintained system.

B* 38. Dedicate an irrevocable offer of dedication, (1) a 10-foot wide minimum landscape easement across the Grape Street frontage, in addition to the required street right-of-way, as approved by the City Engineer, (2) a temporary construction easement granting permission for the City to enter the property to construct and restore landscaping. The exact dimensions of the landscape easement will be determined at the time on-site improvement plans have been prepared.

B 39. Record a Final Map with the San Bernardino County Recorder pursuant to the provisions of the State Subdivision Map Act. Submit a duplicate photo mylar of the map recorded with the San Bernardino County Recorder.

A 40. At the time of Final Map submittal, include traverse calculation sheets which show error of closure, copies of recorded maps and deeds used as reference and/or showing original land division, tie notes and bench marks referenced, and a current title report not older than 30 days. Inverse calculations will not be accepted for plan check.

A 41. Include an Improvement Certificate/Statement on the Parcel Map in accordance with Section 66411.1 of the Subdivision Map Act.

FEES/PERMITS

C* 42. Pay an in lieu fee for the design and construction of the future traffic signal at 6th and Victoria Avenue, as determined by the City Engineer.

C* 43. Pay City processing fee for application of Development Impact Fee (DIF) credits for street, drainage, and median improvements pursuant to adopted City Council DIF Credit Policy.

D 44. Pay appropriate Engineering fees for district annexation, plan check, WQMP review, hydrology study review, structural calculation review, on-site and off-site inspection, utility excavation permits, GIS map plan update, microfilming and storage of maps and plans, and other required fees.

D 45. Obtain a permit from Engineering prior to any on-site construction or construction within the public right-of-way.

E 46. Post a deposit for erosion control which shall not be released prior to completion of all on-site construction.

the project surveyor or engineer. The deposit shall not be released prior to written verification from the surveyor or engineer that the monuments have been set and payment for the work has been received.

UTILITIES/ CONSTRUCTION

E 48. Obtain written permission from the adjoining property owners for offsite grading and/or construction, if any.

B 49. Install construction fencing and screening in accordance with Building and Safety Division Policy 335.

C 50. Reconstruct existing public improvements removed or damaged during construction. Pavement repair, which may include A.C. overlay, T-cut trench repair and/or slurry seal after removal of existing striping shall be across all or a portion of damaged pavement caused by this project as determined by the City Engineer.

C 51. Coordinate, and where necessary, pay for the relocation of any existing public utilities as necessary.

C 52. Provide all utility services to each building, including sanitary sewers, water, electric power, gas, cable TV, internet, and telephone. All utilities listed under Highland Municipal Code Section 16.40.380 (A) are to be underground per Ordinance 315.

E 53. Comply with applicable requirements of the National Pollutant Discharge Elimination System (NPDES) permit program. Provide written verification from the Regional Water Quality Control Board specifying the projects WDID number.

B 54. Destroy any abandoned wells on the property or similar structures that might result in contamination of underground waters in a manner approved by the City Engineer.

B 55. All underground structures, except those desired to be retained, must be broken in, backfilled, and inspected before covering.

D 56. Comply with the prevailing City design and construction standards and requirements at the time of permit issuance.

B 57. Design and construct a trash enclosure per City Standard 700.

C 58. Install telephone, cable television, and internet enclosures underground whenever the underground installation is an available option offered by the utility companies. If the underground installation is not an available option and utility enclosures must be installed above ground, install the above-ground utility enclosures and any flush mount utility enclosures at locations where construction of retaining walls will not be necessary for compliance with the setback requirements of the utility companies.

B* 59. Submit a Composite Utility Plan indicating the location of all above ground and flush mount water, electric, cable TV, internet, and telephone utility structures prior to City issuance of utility permits.

B 60. Underground existing overhead utilities along Grape Street frontages per Ordinance 434.

Building and Safety Division Conditions of Approval

Date:	September 12, 2022
Project:	90,532 sq/ft warehouse building – East side of Grape St. appx. 200 ft south of Cypress St.
Applicant:	Patriot Warehouse Development
Site Location:	East side of Grape St. appx. 200 ft south of Cypress St.
Project Numbers:	**CUP:** 22-003, **DRA:** 22-008, **VAR:** 22-003
APN:	1192-261-11, 1192-261-12, 1192-261-23, 1192-261-24

1. Please provide the following number of construction plans and documents listed below for the first review of the proposed project. The initial plan review time will take two weeks on most projects. The applicant will receive an application number at the time plans are submitted for Building & Safety's plan review. This number is needed to obtain information regarding your project.

    (3) Architectural Plans
    (3) Condition of Approval from all departments:
    To be included in Architectural plan set at plan submittal
    (3) Structural Plans
    (2) Structural Calculations
    (3) Plot/Site Plans
    (3) Electrical Plans
    (3) Electrical Load Calculations
    (3) Exiting Plans
    (3) Plumbing Plans/Isometrics
    (3) Mechanical Plans
    (3) HVAC Duct Layout Plans
    (2) Roof and Floor Truss Plans
    (2) Title 24 Energy Calculations
    (2) Soils Report
    (3) Precise Grading Plans
    * Grading, Photometric, or Landscape Plans:
    Please mark "FOR REFERENCE ONLY"
    (3) Site Disabled Access Plan
    (3) Temporary Fence Plan
    (1) Approved Health Department Plans (as applicable)
    (2) Energy Commissioning Plan

2. All structures shall be designed in accordance with the current version of the California Building Codes (2019), including the California Green Building Standards Code. Design all structures to Risk Category II at exposure "C" (ASCE7-16), and Energy Climate Zone 10. If the project plans are submitted after January 1, 2023, the project and plans will need to be designed to the 2022 California Building Code of Regulations.

3. All onsite utilities are to be underground. As approved by the Planning Division, utility cabinets and transformers are exempt.

4. Construction projects requiring fire permits must apply and submit fire plans prior to the issuance of the building permit, including fire sprinkler submittals.

5. Building and Safety does not release all meters until final approvals are obtained from all agencies and departments. Policy 295.

6. It has come to the City's attention that premature failures have occurred in copper piping when used within the City of Highland, particularly east of City Creek. Property Owners, Contractors and Developers are advised to analyze soil and water compositions when considering the type of pipe material to be utilized. City staff makes no recommendations on which Plumbing Code approved products or methods to be utilize, this is the responsibility of the property owner or contractor. Alternate unapproved code materials may be submitted for City approval at the time of plan submittal via an alternate material and methods application.

7. The Developer/Owner is responsible for the coordination of releasing any Deferral of Development Impact Fees or Bonds after such fees have been paid. The Developer/Owner should be aware, once the deferral notice is sent to the San Bernardino County Recorder's Office; the release process takes two to three weeks. This process will delay final Certificates of Occupancy.

8. The Developer/Owner is responsible for the coordination of the final occupancy. The Developer/Owner shall request clearances from each department and/or agency at least two weeks prior to requesting a final building inspection from Building and Safety. Each agency shall sign the back of the Building and Safety Job Card, or provide agency approved signed documentation, and provide a copy of the signatures to Building and Safety at the time the final inspection is requested.

9. Building and Safety inspection requests must be made by 4:00 pm. on the previous City working day to receive a next business day inspection. Please contact (909) 864-2136, Ext 228.

10. A security fence with screening shall protect all construction sites. The fencing and screening shall be maintained at all times to protect pedestrians. All development projects shall submit a construction fencing plan with the construction design plans. Construction projects that have phased occupancy shall be completely separated by a construction fence that is screened and show the adjusted fence locations at each phase.

11. On site toilet facilities shall be provided for construction workers and such facilities shall be maintained in a sanitary condition. Construction toilet facilities of the non-sewer type shall conform to ANSI ZA.3 and on site per NPDES stormwater requirements.

12. All construction materials, which are not used, shall be recycled pursuant to the requirements set forth by Ordinance No. 269. Receipts from the recycle company responsible for picking up the materials shall be kept in the construction office. After the construction is complete and before final occupancy, the trash receipts shall be forwarded to the City Public Services division.

13. Construction projects, requiring temporary electrical power, shall obtain an electrical permit from Building and Safety. No temporary electrical power will be granted to a project unless the following item is in place and approved by Building and Safety and the Planning Division.

    a) Installation of a construction trailer through the "Temporary Occupancy Permit", alternatively, a security fenced area where the electrical power will be located. Installation of construction/sales trailers must be located on private property. No trailers can be located in the street unless a permit from the Engineering Department is obtained.

14. Prior to the issuance of Building Permits, on site water service shall be installed and approved by the responsible agency. On site fire hydrants shall be approved by the Fire Department. No flammable materials will be allowed on the site until the fire hydrants are established and approved. No flammable construction materials shall be placed on the site without approvals by the Fire Department. All street and access roadways around the project shall be paved for emergency response vehicles before flammable materials are placed on the project. Fire flow tests shall be obtained by East Valley Water District.

15. Prior to issuance of building permits, site-grading certifications, compaction reports, and survey report shall be submitted to Building and Safety or to Public Works, as applicable.

16. Prior to issuance of building permits, provide a receipt from the appropriate Unified School District stating that all school fees have been paid.

(San Bernardino Unified School Districts)

17. Prior to final inspection, provide Building & Safety with a flash disk of the approved plans and documents.

18. Final approvals from all applicable outside agencies and internal departments and divisions are required prior to Building and Safety permit final and occupancy approval.

19. All construction projects shall comply with the NPDES Stormwater Best Management Program. Prior to building permit issuance submit copy of the Water Quality Management Program Report. (WQMP)

20. All deferred plan items are to be identified on the plans cover sheet.

21. Site development and grading shall be designed to provide access to all entrances and exterior ground floor exits and access to normal paths of travel. The accessible route(s) of travel shall be the most practical direct route.

22. All dead and removed trees and foliage is to be properly removed from the site.

23. The City enforces the State of California provisions of the California Building Code disabled access requirements. The Federal Americans with Disabilities Act (ADA) standards may differ in some cases from the California State requirements; therefore, it is the building owner's responsibility to be aware of those differences and comply accordingly.

24. At the time of submittal for plan review, projects meeting the requirements under Section 5.410.2 and Section 5.410.2.3 of the California Green Building Standards Code shall submit a Commissioning Plan.

25. Prior to final inspection, provide Building & Safety with a flash disk of the final approved amended plans and documents.

Comments pertaining to the project/ preliminary drawing plans:

26. Demolition permits shall be obtained for all structures to be demolished.

27. The trash enclosure shall be accessible to persons with disabilities and located on an accessible route. The accessible route shall extend from the trash enclosure to the building it serves. Detail accessible route on plans. (CBC Section 11B-206.2.2)

City of Highland, **FIRE PREVENTION DIVISION,** Conditions of Approval.

DATE : September 20, 2022 **Page 1 of 7**

APPLICANT : Patriot Warehouse Development

ADDRESS : 1192-261-23, 1192-261-24, 1192-261-11, 1192-261-12

SITE LOCATION: East side of Grape Street 200' South of Cypress Street.

FILE / INDEX No.: CUP 22-003 DRA 22-008 VAR 22-003

A tiered level of mitigation options has been developed and listed below are the systems and/or modifications required for your project. Compliance of the following items are a condition of **FINAL OCCUPANCY APPROVAL**. These conditions are required as acceptable solutions to the adverse fire conditions impacting firefighting and emergency operations accompanying the site/area. They will either assist in detection and extinguishment of the fire and/or facilitate the anticipated emergency operations.

This project is protected by the City of Highland Fire Department / Cal-Fire / California Department of Forestry and Fire Protection. Prior to any construction occurring on any parcel, the applicant shall contact the city of highland fire marshal office for verification of current fire protection development requirements. All new construction shall comply with the currently adopted California Fire Code and all applicable statutes, appendices, codes, ordinances, standards and policies of the City of Highland Fire Department/ Fire Prevention Division / Cal-Fire / California Department of Forestry and Fire Protection.

Fire Department Review of all projects is required.

ALL CONSTRUCTION (New and renovations to existing) SHALL COMPLY WITH THE CALIFORNIA FIRE CODE Along with amendments as adopted within the Highland Municipal Code (Ord. #411).

Note: All weather access roads (CFC) and fire hydrant/water system installations shall be in place, inspected and approved, **PRIOR** to combustible material being brought on site.

Note: The City of Highland has 2 areas within the '**FIRE SAFETY OVERLAY DISTRICT**' designated as **FR-1** and **FR-2**. Both areas may border or overlap areas identified by the State/CalFire as '**High Fire Severity Zone**' or '**Very High Fire Severity Zone**'. See **HMC** for construction requirements.

GENERAL.

1. **HF3:** A fuel break of one hundred (100) feet (brush and weed clearance) is required prior to construction. The clearance shall be maintained on a year-round basis. **CFC & HMC**

2. **HF31:** Approved fire hydrant pavement markers (blue dots) shall be installed at every hydrant.

3. **HF51:** The main electrical panel and all sub-panel(s) shall be labeled on inside cover for all circuits. **CEC**

4. **HF52:** Water heater (fuel fired), shall be properly vented to exterior of structure. Water heater shall be seismic strapped to wall and be located 18" above a garage floor. **CBC**

5. **HF55:** Commercial exit requirements:
   A. Required exit doors shall be maintained in an operable condition at all times
   B. Required exit doors shall swing outward and away in the direction of exit travel.
   C. Obstructions shall not be placed in the required width of an exit. Exits shall not be blocked or locked shut or obstructed in any manner during business hours.
   D. Exit paths shall be illuminated when structure is occupied.
   E. Exit path illumination shall be supplied from two (2) sources of power when occupant load is one hundred (100) persons or more.
   F. When exit way/exit pathway and/or exit doorway is not easily identified, additional exit signs shall be installed.

6. Exit signs shall be internally or externally illuminated by two lamps or shall be of the self-luminous type. **CFC; CBC**

7. **HF60:** Additional plans for access, fire safety systems, fire lanes and signage, gates, storage, or other special conditions may be requested for review, conditioning and approval by the fire marshal.

8. **HF56:** All flammable and combustible liquid storage and dispensing shall be in accordance with applicable sections of the **CFC, T-19** and city codes and ordinances.

9. **HF48:** A class "A" roof covering structure with "bird stops" shall be installed.

ACCESS:

10. **HF7:** Fire department **access** roads shall meet the fire dept. minimum unobstructed width of twenty (20) feet. (twenty-six (26) feet within FR-1&2 zones). **This standard shall not lessen other agency requirements.** Access roads shall be paved (asphalt/concrete) and in place **prior** to delivery of combustible building materials on site. Roads shall be designed and constructed to meet adopted city standards. **CFC**

11. **HF8:** All access roads, public, private streets and residential driveways shall maintain a minimum vertical clearance of thirteen (13) feet-six (6) inches. **CFC**

12. **HF10:** Driveways exceeding 150 feet shall have a fire department approved turn-around at the terminus. **CFC / APPENDIX D**

13. **HF11:** Fire department access roadway(s) and/or public/private street(s) exceeding one hundred fifty (**150**) feet in length shall provide an approved turn-around at the terminus (**cul-de-sac**). Minimum radius shall be **not less than forty (40)** feet. Or as approved by the fire marshal. Cul-de-sacs providing access to perimeter emergency access roads shall have a minimum radius of forty four **(44)** feet. **CFC / APPENDIX D, SBCO TRANSPORTATION STD**

14. **HF12:** Fire department access roadway(s); public/private street(s) and driveways shall not exceed 12% grade. **CBC / APPENDIX D, HMC**

15. **HF13:** Fire department access roadway(s); shall extend to within one hundred fifty (150) feet of and shall give reasonable access to all portions of the exterior walls of the first story of any building.
    An access road, approved by the fire dept., shall be provided to within fifty (50) feet of all structures when the natural grade between access road and structure is in excess of 30%.
    Where an approved access road cannot be provided, a fire protection system shall be required and approved by the fire department. **CFC**

16. **HF15:** "Phased" projects may be required to provide a minimum of two (2) remote points of approved access during construction. A secondary access, for fire and other emergency equipment and for routes of escape, which will safely handle evacuations. **CFC - APPENDIX D**

17. **HF19:** **Manually** operated gates across fire department access roadways, public and/or private streets and driveways, shall be equipped with approved emergency key-operated **"KNOX"** padlock or box containing key to open the private lock. For **automatic** gates, a "KNOX" emergency access switch, shall be installed, at location determined by fire department, and shall over-ride all command functions and open gate automatically upon activation. All automatic gates shall have a manual over-ride for use during loss of electric power. "KNOX BOX" request form

is available from the fire marshal or may be ordered directly from www.knoxbox.com (specify City of Highland, CA) **CFC – Appendix D Note: The city of Highland also requires an electronic "H" key system (Ord. #320) for multi-family, gated communities or secured storage facilities. HMC**

18. **HF24:** "NO PARKING – FIRE LANE" signs shall be posted at locations designated by fire marshal. Fire lane curbs shall be painted red, with white letters stating, "NO PARKING – FIRE LANE" on top, not face. **CFC - APPENDIX D**

19. **HF54:** Commercial and industrial structures-occupancies and gated complexes shall have a "**KNOX BOX**" system installed on the exterior of the building(s) or complex. location of device to be determined by the fire department. The box shall contain keys necessary to gain access and may contain pre-plans and MSDS information as required by the fire department. New and existing multi-tenant commercial buildings shall provide a 'KNOX' box large enough to contain keys to access each individual tenant space. Installation location(s) to be determined by the fire marshal. The box shall contain clearly marked keys to each tenant space or other areas as determined by the fire marshal. **CFC**

20. **HF61:** Aerial fire apparatus access roads. **Where required**: buildings or facilities **exceeding 30-feet** in height above the lowest level of fire dept. Vehicle access shall be provided access roads capable of accommodating aerial apparatus. **Width:** aerial apparatus access roads shall provide a minimum unobstructed width of **26-feet** in the immediate vicinity of any building exceeding 30-feet in height. **Proximity to buildings:** aerial apparatus access roads shall be located a minimum of 15-feet to a maximum of 30-feet from the building, and shall be positioned parallel to one entire side of the structure, as approved by the fire code official. **CFC APPENDIX D**

WATER:

21. **HF25:** Minimum required fire flow, as determined by California Fire Code Appendix 'B'.

System shall be looped with minimum eight (8) inch mains; six (6) inch laterals, six (6) inch risers; six (6) inch dia. Hydrants with two 2 ½" outlet(s) and one 4" outlet. **CFC APPENDIX B AND C**

Note: Hydrants shall meet EVWD standards.

22. **HF29:** Fire hydrant spacing shall be:
Commercial retail: 300 FEET
CFC / APPENDIX B AND C.

Note: Existing fire hydrants (off-site) can be included if they meet spacing requirements. Hydrants shall not be located at the 'bulb' end of cul-de-sacs.

23. **HF26:** Three sets of water delivery system plans, designed to meet the required fire flow for this project and/or development, shall be submitted to the fire department for review and approval. **CFC**

24. **HF27:** Applicant-developer shall provide a letter from the water company serving the project-development, verifying financial arrangements have been made and bonded for the required water improvements. **CFC**

25. **HF28:** Fire hydrants shall be installed, inspected and operational as per approved water system delivery plans **prior** to any framing, construction or delivery of combustible materials to project site. **CFC / CFC**

26. **HF30:** Private, on site fire hydrant(s) – yard hydrant(s)- capable of supplying required fire flow shall be installed at location(s) identified by the fire department. System shall be looped with minimum eight (8) inch mains; six (6) inch laterals, six (6) inch risers; six (6) inch dia. hydrants with one 2 ½" outlet and one 4" outlet. **CFC / APPENDIX B AND C**

27. **HF38:** Approved fire hydrant(s) capable of supplying required fire flow, shall be provided to all premises upon which facilities, buildings or portions of buildings are constructed or moved within the jurisdiction. When any portion of the facility or building protected is in excess of 150 feet from a fire hydrant on a public street, as measured by an approved route around the exterior of the facility or building, additional fire hydrants or on-site fire hydrants, meeting the required fire flow, shall be provided. **CFC APPENDIX B AND C**

ADDRESSING – IDENTIFICATION:

28. **HF21:** **Commercial** and **multi-family residential** address numbers shall be displayed on all **new and existing** structures in such a manner as to be plainly visible and legible from the access roadway or street. Numerals shall be of a contrasting color to the building and electrically illuminated.
Minimum size of the numerals shall be **8"** height, 3/4" stroke, or as approved by the fire marshal.
Industrial occupancies shall have address numbers of 12" height, 1" stroke and shall be electrically illuminated so as to be visible and legible from access roadway or street.
Note: Depending on height and setback of a building, larger numerals may be required and at additional locations on the building, as determined by a case-by-case review.
HMC

FIRE PROTECTION & ALARM SYSTEMS:

29. **HF36:** Automatic fire sprinklers shall be installed according to **NFPA 13** and fire dept. requirements. Submit three **(3)** sets of shop plans with material cut sheets and hydraulic calculations, indicating the type of occupancy, type of materials to be stored (if any), for fire dept. review and approval prior to any installation. Submit copy of California C-16 license. **CFC; CBC; HMC**

30. **HF37:** Automatic fire sprinkler control devices (P.I.V & O.S.&Y.) Shall be visible from fire dept. access roadway, and identify system being controlled and address of structure.
Fire Dept. Connection (FDC) shall be located no closer than forty (40) feet and not to exceed one hundred fifty (150) from structure. Required fire hydrant shall have a maximum distance from FDC of thirty (30) feet. FDC shall identify address and system of structure being protected. **CFC**

31. **HF41:** A minimum of one 2A-10BC fire extinguisher shall be installed for each 3,000 sq.ft. of floor area. Travel distance to any one fire extinguisher shall not exceed 75 feet. Additional fire extinguishers, size and class to be determined by fire department, may be required. Fire extinguishers shall be serviced bi-annually and shall have a current State Fire Marshall service tag attached. Fire extinguishers are to be serviced every two years and inspected & tagged every year. **CFC**; **NFPA**

32. **HF43:** An automatic fire detection and alarm system meeting the requirements of CFC 907, CBC and NFPA 72 shall be installed. Three (3) sets of shop plans with material cut sheets and calculations shall be submitted to the fire department for review and approval prior to installation. **CFC; CBC; NFPA**

33. **HF44:** An automatic smoke removal system shall be installed. The system shall comply with CFC and CBC requirements. Three (3) sets of shop plans with material cut sheets and calculations shall be submitted to the fire department for review and approval prior to installation. This system may be mitigated as allowed by the California Fire and Building codes. Please indicate type and code section of the applicable mitigation employed in this application on your plans. **CFC; CBC**

34. **HF45:** An automatic smoke ventilation system – fusible link type, shall be installed. Roof vent, venting ratios and draft curtains shall be provided. Three (3) sets of shop plans with material cut sheets and calculations shall be submitted to the fire department for review and approval prior to installation. This system may be mitigated as allowed by the California Fire and Building codes. Please indicate type and code section of the applicable mitigation employed in this application on your plans **CFC; CBC**

35. **HF59:** Commercial and industrial buildings, in excess of 20,000 square feet, and with an interior area more than 150 feet from exterior exit, shall be equipped with a class I standpipe system. Standpipe connections shall be configured to reach any portion of interior space within 150 feet in any direction of travel. This system shall be calculated to provide 500 GPM from an adjacent automatic fire sprinkler riser at 100-psi nozzle pressure for two hand lines flowing.

36. **HF60:** California Fire Code, **FIRE SAFETY DURING CONSTRUCTION AND DEMOLITION**, shall apply to this project. it is the responsibility of the project manager to meet with the fire marshal to discuss requirements specific to this project.

37. **HF61**: **TENANT IMPROVEMENT**. Review the 'tenant improvement information' handout. If any of the items listed apply to this project, they must be included in the 'fire department notes' section on the plan.

38. **HF62**: Additional plans for access, fire safety systems, storage or other special condition may be requested for review, conditioning and approval by the fire marshal.

39. **HF63**: Submit to fire marshal's office: **one copy** of building and/or structure plans for fire department review.

40. **HF64:** Spray booths, spray finishing operations shall comply with requirements of California Fire Code

41. **Note:** Fire sprinkler design requirements for Spec warehouse buildings will change depending on type of occupancy, storage heights and/or commodities that are being used or handled.

Craig Sanchez, Fire Marshal
City of Highland Fire Prevention
(909) 864-8732 x 248

Mitigation Monitoring and Reporting Program Initial Study/Mitigated Negative Declaration

Grape Street Warehouse Project

SEPTEMBER 2022

Prepared for:

CITY OF HIGHLAND California

CITY OF HIGHLAND
27215 Base Line
Highland, California 92346
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1 Introduction

The California Environmental Quality Act (CEQA) requires that a public agency adopting a Mitigated Negative Declaration (MND) take affirmative steps to determine that approved mitigation measures are implemented after project approval. The lead or responsible agency must adopt a reporting and monitoring program for the mitigation measures incorporated into a project or included as conditions of approval. The program must be designed to ensure compliance with the MND during project implementation (California Public Resources Code, Section 21081.6(a)(1)).

This Mitigation Monitoring and Reporting Program (MMRP) will be used by the City of Highland (City) to ensure compliance with adopted mitigation measures identified in the MND for the proposed Grape Street Warehouse Project (project) located at 7747, 7757, 7769, and 7773 Grape Street in Highland, California (project) when construction begins. The City, as the lead agency, will be responsible for ensuring that all mitigation measures are carried out. Implementation of the mitigation measures would reduce impacts to below a level of significance for air quality, biological resources, cultural resources, geology and soils (paleontological resources), and tribal cultural resources.

The remainder of this MMRP consists of a table that identifies the mitigation measures by resource for each project component. Table 1 identifies the mitigation monitoring and reporting requirements, list of mitigation measures, party responsible for implementing mitigation measures, timing for implementation of mitigation measures, agency responsible for monitoring of implementation, and date of completion. With the MND and related documents, this MMRP will be kept on file at the following location:

City of Highland
Planning Department
27215 Base Line
Highland, California 92346

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2 Mitigation Monitoring and Reporting Program Table

Table 1 Mitigation Monitoring and Reporting Program

Mitigation Measure	Implementation Timing	Party Responsible for Implementation	Party Responsible for Monitoring	Date of Completion/ Notes
Air Quality				
MM-AQ-1: Tier 4 Interim Engines. To reduce the potential for criteria air pollutants, specifically particulate matter with an aerodynamic diameter less than or equal to 10 microns (PM_{10}), as a result of construction of the project, the applicant shall: Prior to the start of construction activities, ensure that all 75 horsepower or greater diesel-powered equipment are powered with California Air Resources Board (CARB)-certified Tier 4 interim engines, except where the project applicant establishes to the satisfaction of the City of Highland (City) that Tier 4 interim equipment is not available. An exemption from these requirements may be granted by the City in the event that the City documents that equipment with the required tier is not reasonably available and corresponding reductions in criteria air pollutant emissions are achieved from other construction equipment. Before an exemption may be considered by the City, the applicant shall be required to demonstrate that two construction fleet owners/operators in San Bernardino County were contacted and that those owners/operators confirmed Tier 4 interim equipment could not be located within San Bernardino County.	Prior to and during construction	Project applicant and their construction contractor	City of Highland	

Table 1 Mitigation Monitoring and Reporting Program

Mitigation Measure	Implementation Timing	Party Responsible for Implementation	Party Responsible for Monitoring	Date of Completion/ Notes
MM-AQ-2: Operational Forklifts. The City shall require that all forklifts used during operation of the project be electric powered or fueled with natural gas.	During operation	Project applicant	City of Highland	
Biological Resources				
MM-BIO-1: Preconstruction Bat Survey. Vegetation removal shall occur outside of the bat maternity roosting season to avoid impacts to nursing tree roosting bats. If the project requires that work be initiated during the maternity season for tree roosting bats (March 1–August 31), a preconstruction emergence and acoustic monitoring survey shall be conducted during the preferred emergence period for western yellow bat (between sunset and 2 hours after) in the study area by a qualified biologist (someone who has more than 2 years of experience of conducting bat surveys) within 3 days prior to project activities in order to avoid direct impacts on potentially roosting special-status bats. If western yellow bat or any other special-status bats are not detected during the preconstruction bat survey, vegetation clearing/construction work shall be allowed to proceed without any potential impacts to the species. If western yellow bat is detected, then vegetation removal activities shall not be allowed to proceed until the bat maternity roosting season is over. The results of the preconstruction bat survey shall be documented in a field form that will be submitted to the City.	Prior to and during construction	Project applicant and their construction contractor	City of Highland	
MM-BIO-2: Nesting Bird Avoidance. Project construction shall be conducted in compliance with the conditions set forth in the Migratory Bird Treaty Act and California Fish and Game Code to protect active bird/raptor nests.	Prior to and during construction	Project applicant and their construction contractor	City of Highland	

Table 1 Mitigation Monitoring and Reporting Program

Mitigation Measure	Implementation Timing	Party Responsible for Implementation	Party Responsible for Monitoring	Date of Completion/ Notes
Vegetation removal shall occur during the non-breeding season for nesting birds and nesting raptors (October 1–January 31) to avoid impacts to nesting birds and raptors. If the project requires that work be initiated during the breeding season for nesting birds (March 1–September 30) and nesting raptors (February 1–June 30), in order to avoid direct impacts on active nests, a preconstruction survey shall be conducted in the study area by qualified biologists (someone who has more than 2 years of experience of conducting nesting bird surveys in the project region) for nesting birds and/or raptors within 3 days prior to project activities. If the biologist does not find any active nests within or immediately adjacent to the impact areas, the vegetation clearing/construction work shall be allowed to proceed. If the biologist finds an active nest within or immediately adjacent to the construction area and determines that the nest may be impacted or breeding activities substantially disrupted, the biologist shall delineate an appropriate buffer zone around the nest depending on the sensitivity of the species and the nature of the construction activity. To protect any nest site, the following restrictions to construction activities shall be required until nests are no longer active, as determined by a qualified biologist (someone who has more than 3 years of experience of conducting nesting bird surveys and monitoring active nests during construction): (1) clearing limits shall be established within a buffer around any occupied nest; and (2) access and surveying shall be restricted within the buffer of any				

Table 1 Mitigation Monitoring and Reporting Program

Mitigation Measure	Implementation Timing	Party Responsible for Implementation	Party Responsible for Monitoring	Date of Completion/ Notes
occupied nest, unless otherwise determined by a qualified Biologist (someone who has more than 5 years of experience of conducting nesting bird surveys and monitoring active nests during construction). The buffer shall be 100–300 feet for non-raptor nesting birds, 300–500 feet for nesting raptors (including Cooper's hawk). Construction can proceed into the buffer when the qualified biologist has determined that the nest is no longer active.				
Cultural Resources				
MM-CUL-1: Workers Environmental Awareness Program. Prior to the start of construction activities, all construction personnel and monitors shall be trained regarding identification and treatment protocol for inadvertent discoveries of cultural resources (archaeological and tribal) and human remains. A basic presentation and handout or pamphlet shall be prepared in order to ensure proper identification and treatment of inadvertent discoveries of cultural resources and human remains. The purpose of the Workers Environmental Awareness Program (WEAP) training is to provide specific details on the kinds of materials that may be identified during ground disturbing activities and explain the importance of and legal basis for the protection of human remains and significant cultural resources. Each worker shall also be trained in the proper procedures to follow in the event that cultural resources or human remains are uncovered during ground disturbing activities. These procedures include but are not limited to work curtailment or redirection, and the immediate	Prior to construction	Project applicant and their construction contractor	City of Highland	

Table 1 Mitigation Monitoring and Reporting Program

Mitigation Measure	Implementation Timing	Party Responsible for Implementation	Party Responsible for Monitoring	Date of Completion/ Notes
contact of the site supervisor and archaeological monitoring staff.				
MM-CUL-2: Retention of an On-Call Qualified Archaeologist. A qualified archaeologist shall be retained and on-call to respond and address any inadvertent discoveries identified project implementation. Additionally, in consideration of the potential to encounter intact cultural deposits beneath fill soils, the qualified archaeologist shall survey the proposed project site once fill soils have been removed to ensure no cultural deposits underly the fill layer. If is determined, based on the aforementioned survey, that cultural resources are present or may be present and may be impacted during project construction, monitoring may be warranted. Additionally, any identified cultural resources shall be assessed and evaluated pursuant to CEQA. If it is determined that monitoring is warranted, a qualified archaeological principal investigator, meeting the Secretary of the Interior's Professional Qualification Standards, shall oversee and adjust monitoring efforts as needed (increase, decrease, or discontinue monitoring frequency) based on the observed potential for construction activities to encounter cultural deposits or material. The archaeological monitor will be responsible for maintaining daily monitoring logs.	During construction	Project applicant and their construction contractor	City of Highland	
MM-CUL-3: Inadvertent Discovery Clause. In the event that potential archaeological resources (sites, features, or artifacts) are exposed during ground disturbing, all construction work occurring not less than 100 feet of the find shall immediately stop and the qualified archaeologist that has been retained	During construction	Project applicant and their construction contractor	City of Highland	

Table 1 Mitigation Monitoring and Reporting Program

Mitigation Measure	Implementation Timing	Party Responsible for Implementation	Party Responsible for Monitoring	Date of Completion/ Notes
on call must be notified immediately to assess the significance of the find and determine whether or not additional study is warranted. Depending upon the significance of the find under the CEQA, the archaeologist may simply record the find and allow work to continue. If the discovery proves significant under CEQA, additional work (e.g., preparation of an archaeological treatment plan, testing, data recovery, or monitoring) may be warranted if the resource cannot be feasibly avoided. In the event that human remains are inadvertently encountered during construction activities, the remains and associated resources shall be treated in accordance with state and local regulations that provide requirements with regard to the discovery of human remains, including California Health and Safety Code Section 7050.5, California Public Resources Code Section 5097.98, and CEQA Guidelines Section 15064.5(e). In accordance with these regulations, if human remains are found, the County Coroner must be immediately notified of the discovery. No further excavation or disturbance of the Project site or any nearby (no less than 100 feet) area reasonably suspected to overlie adjacent remains can occur until the County Coroner has determined if the remains are potentially human in origin. If the County Coroner determines that the remains are, or are believed to be, Native American, he or she is required to notify the NAHC that shall notify those persons believed to be the most likely descendant. The most likely descendant shall determine, in consultation with the property owner, the disposition of the human remains.				

Table 1 Mitigation Monitoring and Reporting Program

Mitigation Measure	Implementation Timing	Party Responsible for Implementation	Party Responsible for Monitoring	Date of Completion/ Notes
Geology and Soils				
MM-GEO-1: Discovery of Paleontological Resources. In the event that paleontological resources (i.e., fossil remains) are exposed during construction activities for the project, all construction work occurring within 50 feet of the find shall immediately stop until a qualitied paleontologist, as defined by the Society of Vertebrate Paleontology's guidelines, can assess the nature and importance of the find. Depending on the significance of the find, the qualified paleontologist may record the find and allow work to continue or may recommend salvage and recovery of the resource. All recommendations shall be made in accordance with the Society of Vertebrate Paleontology's guidelines and shall be subject to review and approval by the City of Highland. Work in the area of the find may only resume upon approval of a qualified paleontologist.	During construction	Project applicant	City of Highland	
Tribal Cultural Resources				
MM-TCR-1: Tribal Cultural Resources The San Manuel Band of Mission Indians (SMBMI) shall be contacted if any pre-contact and/or historic-era cultural resources are discovered during project implementation, and be provided information regarding the nature of the find, so as to provide Tribal input with regards to significance and treatment. Should the find be deemed significant, as defined by CEQA (as amended, 2015), a cultural resources Monitoring and Treatment Plan shall be created by the archaeologist, in coordination with the SMBMI, and all subsequent finds shall be subject to this Plan. This Plan shall allow for a	Prior to and during construction	Project applicant and their construction contractor	City of Highland	

Table 1 Mitigation Monitoring and Reporting Program

Mitigation Measure	Implementation Timing	Party Responsible for Implementation	Party Responsible for Monitoring	Date of Completion/ Notes
monitor to be present that represents the SMBMI for the remainder of the project, should the SMBMI elect to place a monitor on-site. Any and all archaeological/cultural documents created as a part of the project (isolate records, site records, survey reports, testing reports, etc.) shall be supplied to the applicant and Lead Agency for dissemination to the SMBMI. The City and/or applicant shall, in good faith, consult with the SMBMI throughout the life of the project.				

Attachment 2:

Resolution No. 2022-____

for Design Review Application (DRA 22-008)

RESOLUTION NO. 2022-____

A RESOLUTION OF THE PLANNING COMMISSION OF THE CITY OF HIGHLAND, CALIFORNIA, APPROVING DESIGN REVIEW APPLICATION (DRA 22-008) FOR THE SITE PLAN, BUILDING ELEVATIONS, ROUGH GRADING PLAN AND CONCEPTUAL LANDSCAPE PLAN PERTINING TO THE DEVELOPMENT OF A 90,532 SQUARE FOOT WAREHOUSE, LOCATED ON THE EAST SIDE OF GRAPE STREET, APPROXIMATELY 200 FEET SOUTH OF CYPRESS STREET. RELATED ENTITLEMENTS INCLUDE CONDITIONAL USE PERMIT (CUP 22-003), VARIANCE (VAR 22-003), AND TENTATIVE PARCEL MAP (TPM 22-009).

ASSESSOR'S PARCEL NUMBERS: 1192-261-11, 12, 23, & 24

APPLICANT: PATRIOT PARTNERS, LLC

A. RECITALS

1. On May 31, 2022, the Applicant submitted Design Review Application (DRA 22-008) for the development of a 90,532 square foot industrial warehouse and associated improvements including loading docks, trailer parking, passenger vehicle parking, a stormwater infiltration basin, and landscape area. The Application includes a Site Plan, Building Elevations, Rough Grading Plan, and Conceptual Landscape Plan. Related entitlements include Conditional Use Permit (CUP 22-003) to entitle the land use, Variance (VAR 22-003) allowing the warehouse building to exceed the maximum building height permitted in the Business Park Zone by fourteen (14) feet; and Tentative Parcel Map (TPM 22-009) to combine four (4) parcels into one (1).

2. The site is located on an approximately 4.24 acres on the east side of Grape Street, approximately 200 feet south of Cypress Street within the City's Business Park (BP) Zoning and General Plan Designations;

3. Pursuant to the provision of the California Environmental Quality Act (CEQA) and State and Local CEQA Guidelines, the City of Highland is the Lead Agency, and is charged with the responsibility of deciding whether to approve the proposed project. An Initial Study and Mitigated Negative Declaration were prepared and circulated in accordance with state and local law to be considered by the Planning Commission at the September 20, 2022, public hearing;

4. On September 20, 2022, the Planning Commission of the City of Highland, conducted a Public Hearing on the subject Project and concluded the Hearing on that date.

5. All legal prerequisites to the adoption of this Resolution have occurred.

B. RESOLUTION

NOW THEREFORE, it is hereby found, determined and resolved by the Planning Commission of the City of Highland as follows:

1. The Planning Commission finds that all of the facts set forth in the Recitals, Part "A" of this Resolution, are true and correct.

2. Pursuant the California Code of Regulations, the City of Highland Planning Commission hereby finds that a Mitigated Negative Declaration prepared for the project has been completed in compliance with the California Environmental Quality Act (CEQA) and that the Planning Commission has reviewed and considered the information contained in the staff report, and the comments received during the public review process, prior to approving the project.

3. Based upon substantial evidence presented to the Planning Commission during the September 20, 2022 Public Hearing, including public testimony and written and oral Staff Reports, the Planning Commission finds as follows:

   a. All necessary public meetings and opportunities for public testimony and comment have been conducted in compliance with State Law and the Municipal Code of the City of Highland.

4. Findings of Fact for Design Review Application (DRA 22-008):

   a. That the proposed project is consistent with the general plan or specific plan.

      Response: The General Plan designation for the site is Business Park (BP), which allows for a "variety of light industrial, research and development and office uses that provide peasant and attractive working environments." "Appropriate uses include light manufacturing, wholesaling and warehousing conducted within an 90,532 square foot warehouse is well within the description of permissible uses.

      Additionally, the General Plan goals and policies relevant to the project involve its inclusion in the Victoria Avenue Corridor Policy Area, Circulation Element, and Community Design Element. The project meets all relevant goals and policies.

   b. That the proposed use is in accordance with the objectives of Title 16, Land Use and Development of the City of Highland Municipal Code, and the purposes of the land use district in which the site is located.

      Response: The project would be developed in compliance with the Highland Municipal Code standards related to warehousing in the Business Park (BP) District. Per Municipal Code Section 16.24.040

Employment District Development Standards, the maximum lot coverage is 60%. The project has proposed a lot coverage of for 49.1%. It satisfies the minimum lot size, with regard to lot width and depth, as well as required building setbacks and landscape coverage.

c. That the proposed use is in compliance with city design and landscape standards and criteria.

Response: The Highland General Plan describes specific criteria related to this location in the Land Use and the Community Design Elements. General Plan Goal 10.2 seeks to create attractive and visually unified major arterial corridor with specialized streetscape and landscape improvements. General Plan Goal 10.8 seeks to ensure that development is professional and attractive in appearance through coordinated site planning, signage and architectural design. As conditioned by the City's Landscape Architect, the project must exhibit specialized landscaping at entrances.

The design satisfies the intent of General Plan Goal 10.8 Policy 10.8.1 which encourages "contemporary, clean and distinctive buildings with clearly visible entrances" and General Plan Goal 10.8 Policy 10.8.3 to "avoid long, blank building walls by incorporating vertical and/or horizontal façade articulation and modulation and varying use of color, materials and landscaping." It consolidates smaller lots into larger parcels to create a more functional use. Service areas are screened from public view with 10-foot tall block walls and 3-foot tall landscape berms and utilities will be undergrounded. The 20-foot building frontage will be fully landscaped as well.

d. That the proposed use, together with the conditions applicable thereto, will not be detrimental to the public health, safety, or welfare or will not be materially injurious to properties or improvements in the vicinity of the site.

Response: The warehouse development will be in compliance with the Highland Municipal Code, Fire, and Building & Safety codes. Each public safety division of the City has reviewed the project and provided relevant Conditions of Approval that will be adopted by resolution. The necessary ingress and egress as well as all public utilities and services will be in place. There is no indication that the project would be detrimental to the public health, safety or welfare, or materially injurious to properties and improvement in the vicinity.

5. Based on the Findings and Conclusions set forth above, the Planning Commission approves Design Review Application (DRA 22-008). All improvements will be completed subject to the Conditions of Approval attached hereto and incorporated by reference.

C. ADOPTION OF RESOLUTION.

The City Clerk shall certify to the adoption of this Resolution and shall cause the same to be published or posted in the manner prescribed by law.

PASSED, **APPROVED,** AND **ADOPTED** this 20th day of September, 2022.

ATTEST:

Randall Hamerly, Chairman Planning Commission	Lawrence A. Mainez Community Development Director

Exhibit A:

Conditions of Approval (DRA 22-008)

PLANNING DIVISION CONDITIONS OF APPROVAL

Date:	September 20, 2022
Applicant:	Patriot Partners, LLC
File/Index:	Design Review Application (DRA 22-008)
Proposal:	The development and operation of a 90,532 square foot warehouse/logistics and associated improvements.
Location:	A 4.24 acre site on the east side of Grape Street, approximately 200 feet south of Cypress Street. Assessor's Parcel Numbers: 1192-261-11, 12, 23, & 24.
Related Entitlements:	Conditional Use Permit (CUP 22-003), Tentative Parcel Map (TPM 22-009), & Variance (VAR 22-003)

PLANNING CONDITIONS OF APPROVAL

Note: These conditions represent Planning Division conditions only and are meant to be only one part of the Project's overall conditions that may include Building and Safety, Engineering, and the Fire Department conditions of approval. All required on-site and off-site improvements shall be completed and approved prior to final inspection for occupancy, except where noted.

This Design Review Application is conditionally approved, subject to compliance with the requirements as specified below. The Conditions listed below are continuing Conditions; failure of the Applicant and/or operator to comply with any or all Conditions at any time, shall result in initiating revocation of the subject permit.

1. Design Review Application (DRA 22-008) shall become null and void:

    a. Unless all conditions have been complied with and the occupancy or use of the land or structures authorized by this design review application, and have occurred within thirty-six (36) months from the approval date this design review application shall expire and be null and void without further action by the City of Highland.

    b. Where circumstances beyond the control of the Applicant cause delays which do not permit compliance within the time limitation established in this Section, the Planning Commission may grant an extension of time for a period of time not to exceed an additional thirty-six (36) months. An application for an extension of time must be set forth in writing, stating the reasons for the extension, and must be filed with the community development department no less than 30 calendar days nor more than 90 calendar days prior to the expiration date of the permit or approval. Such application shall be filed together with the City's processing fee, as established by the City Council.

NOTE: All required on-site and off-site improvements shall be completed and approved prior to final inspection for occupancy.

2. The proposed Design Review entitlement includes approval of a Site Plan, Building Elevations, Rough Grading Plan and Conceptual Landscape Plan for the construction and operation of an approximately 90,532 square foot warehouse/ logistics and associated improvements including loading docks, tractor-trailer stalls, passenger vehicle parking, a stormwater detention/infiltration basin, landscaping and off-site improvements as illustrated in project plans.

    a. The approved site plan, building elevations, rough grading plan, conceptual landscape plan, color and material samples are on file with the Planning Division and included herein by reference.

    b. Three complete sets of plans reflecting these conditions of approval and any Planning Commission directives shall be submitted to the planning Department within two weeks of this project's approval.

3. The operator and recorded owner of the property shall submit to the Planning Division written evidence of agreement with all conditions of this approval before the approval becomes effective. Plan check cannot begin prior to receipt of this signed documentation.

4. In compliance with the Highland Municipal Code, the Applicant/Owner shall agree, at his/her sole cost and expense, to defend, indemnify, and hold harmless, the City, its officers, employees, agents, and consultants, from any claim, action, or proceeding brought by a third-party against the City, its officers, agents, and employees, which seeks to attack, set aside, challenge, void, or annul an approval of the City Council, Planning Commission, or other decision-making body, including staff, concerning this project. The City may, at its sole discretion, participate at its own expense in the defense of any such action but such participation shall not relieve the Applicant/Owner of his/her obligations under this condition.

5. The Owner/Applicant is responsible for implementing all conditions of approval to the satisfaction of the Community Development Director, City Engineer, Fire Department, and Police Department. No final inspection or clearances shall be given until all conditions are met. Each condition of approval is separately enforced, and if one of the conditions of approval is found to be invalid by a court of law, all the other conditions shall remain valid and enforceable.

6. Revisions, modification, or deletions of associated plans must be submitted to the Planning Division for review and approval. Revisions may require additional review by the Planning Commission.

7. Pursuant to provisions of California Public Resources Code Section 21089 (b), this Application shall not be operative, vested or final, nor will building permits be issued or a map recorded, until: (1) the Notice of Determination (NOD) regarding the associated environmental action is filed and posted with the Clerk of the Board of Supervisors of the County of San Bernardino, and; (2) any and all required filing fees assessed pursuant to California Fish and Game Code Section 711.4, together with any required handling charges, are paid to the Clerk of the Board of Supervisors of the County of San Bernardino.

    a. The Applicant shall provide the Planning Division with a check for the appropriate fee, made payable to the Clerk of the Board of Supervisors, no later than 24 hours after receiving approval of the project. The City will file the NOD and fee payment with the County/State and will provide the Applicant with a copy of the receipt and filed NOD.

8. Development Impact Fees shall be paid in accordance with City policy.

9. A copy of the utility plan shall be submitted with or prior to the submittal of a grading plan to the Community Development Director and City Engineer for review and approval. The utility plan shall show the location of all proposed above ground electrical transformers, utility cabinets, back flow devices, detector check valves, etc. both on site and in the public right-of-way.

10. Prior to issuance of a certificate of occupancy by the City, all on and off-site landscaping, irrigation or other improvements shown on the approved landscaping and irrigation plans, including any walls and fences, shall be installed.

11. The project site has been reviewed and approved for warehouse use. Any change of use of this project site, the occupancy, or tenant change in the building, or portion thereof, may require a revised plot plan be submitted to the City for review and approval, which identifies location of use, letter of intent and parking requirements. Outdoor storage of materials is prohibited.

12. All permanent parking areas shall be paved and permanently maintained with asphalt or concrete and designated with clearly painted lines. The number of parking spaces, including disabled parking, shall comply with the approved Site Plan.

13. The Applicant / Developer shall install a bicycle rack on-site near the building. The bike racks shall be located in areas where they will not impede the flow of pedestrian traffic.

14. All ground mounted, as well as wall mounted mechanical, electrical, or gas equipment shall be screened from public view by the use of landscaping and/or architectural treatments compatible with the adjoining building's architectural design.

15. All rooftop mounted mechanical equipment, with the exception of solar panels, shall be screened from public view. This can be accomplished by architectural treatments of parapets equal in height to the tallest piece of roof-mounted equipment, but not to exceed an overall height of forty-nine (49) feet.

16. A photometric plan shall be provided to the Planning Department for review and approval prior to issuance of a grading plan in compliance with Municipal Code Sections 16.40.160 *Lighting* and 16.48.080 *Light and glare*.

    a) The amount of illumination projected onto a residentially zoned property or use should not exceed 0.0 foot-candle at the property line. Illumination should not exceed 0.5 foot-candles measured at the property line adjacent to non-residential properties.

    b) Lights shall be shielded and directed away from surrounding properties and right-of-way.

    c) Parking lot light standards shall not exceed twenty-five (25) feet in height measured from grade.

    d) Parking lot light standards shall be located at a distance from parking lot trees, so the trees do not interfere with the lighting pattern or the light fixture. Lighting standards shall be shown on the landscape plans and appropriately positions so as not to displace the intended location of trees in parking lot planters.

17. The Developer shall comply with all applicable Conditions of Approval and the Mitigation Monitoring and Reporting Plan related to the associated entitlements; Conditional Use Permit (CUP 22-003), Tentative Parcel Map (TPM 22-009), and Variance (VAR 22-003).

18. Easterly and southerly CMU walls surrounding truck loading/unloading area shall be ten (10) feet tall as measured from the adjacent onsite grade. Remaining perimeter of the site shall feature six (6) foot tall CMU walls.

Landscaping

19. Applicant shall provide additional species that will have a more upright columnar growth pattern that will accentuate the façades and vertical design details and offer some evergreen foliage in the winter months. Current architecture would also suggest a more columnar form to help meet the height of the building.

20. Upsize a minimum of 15% of the overall tree count to 48" box or larger specimens and another 15% to 36" box size. Upsized trees shall be selected from species

noted to acclimate quickly and continue growing at a moderate to rapid rate, including but not necessarily limited to trees along the Grape frontage.

21. Applicant shall include vines along the screen wall that borders the truck loading/unloading area and trash enclosure to soften the visual appearance of the wall surface.

22. Applicant shall verify shading requirement for parking lots. Architectural plans make reference "per landscape plans", yet the supplied landscape plans do not include said calculations.

23. Applicant shall further refine the exterior space outside the main office entrance, as to create a transitional scale from existing residential lots facing the proposed development, to the industrial-scale development.

24. Provide concrete headers where frontage landscape meets adjacent neighboring parcels to protect the integrity of the proposed planting, and to define the limits of maintenance responsibility.

Building and Safety Division Conditions of Approval

Date:	September 12, 2022
Project:	90,532 sq/ft warehouse building – East side of Grape St. appx. 200 ft south of Cypress St.
Applicant:	Patriot Warehouse Development
Site Location:	East side of Grape St. appx. 200 ft south of Cypress St.
Project Numbers:	**CUP:** 22-003, **DRA:** 22-008, **VAR:** 22-003
APN:	1192-261-11, 1192-261-12, 1192-261-23, 1192-261-24

1. Please provide the following number of construction plans and documents listed below for the first review of the proposed project. The initial plan review time will take two weeks on most projects. The applicant will receive an application number at the time plans are submitted for Building & Safety's plan review. This number is needed to obtain information regarding your project.

    (3) Architectural Plans
    (3) Condition of Approval from all departments:
    To be included in Architectural plan set at plan submittal
    (3) Structural Plans
    (2) Structural Calculations
    (3) Plot/Site Plans
    (3) Electrical Plans
    (3) Electrical Load Calculations
    (3) Exiting Plans
    (3) Plumbing Plans/Isometrics
    (3) Mechanical Plans
    (3) HVAC Duct Layout Plans
    (2) Roof and Floor Truss Plans
    (2) Title 24 Energy Calculations
    (2) Soils Report
    (3) Precise Grading Plans
    * Grading, Photometric, or Landscape Plans:
    Please mark "FOR REFERENCE ONLY"
    (3) Site Disabled Access Plan
    (3) Temporary Fence Plan
    (1) Approved Health Department Plans (as applicable)
    (2) Energy Commissioning Plan

2. All structures shall be designed in accordance with the current version of the California Building Codes (2019), including the California Green Building Standards Code. Design all structures to Risk Category II at exposure "C" (ASCE7-16), and Energy Climate Zone 10. If the project plans are submitted after January 1, 2023, the project and plans will need to be designed to the 2022 California Building Code of Regulations.

3. All onsite utilities are to be underground. As approved by the Planning Division, utility cabinets and transformers are exempt.

4. Construction projects requiring fire permits must apply and submit fire plans prior to the issuance of the building permit, including fire sprinkler submittals.

5. Building and Safety does not release all meters until final approvals are obtained from all agencies and departments. Policy 295.

6. It has come to the City's attention that premature failures have occurred in copper piping when used within the City of Highland, particularly east of City Creek. Property Owners, Contractors and Developers are advised to analyze soil and water compositions when considering the type of pipe material to be utilized. City staff makes no recommendations on which Plumbing Code approved products or methods to be utilize, this is the responsibility of the property owner or contractor. Alternate unapproved code materials may be submitted for City approval at the time of plan submittal via an alternate material and methods application.

7. The Developer/Owner is responsible for the coordination of releasing any Deferral of Development Impact Fees or Bonds after such fees have been paid. The Developer/Owner should be aware, once the deferral notice is sent to the San Bernardino County Recorder's Office; the release process takes two to three weeks. This process will delay final Certificates of Occupancy.

8. The Developer/Owner is responsible for the coordination of the final occupancy. The Developer/Owner shall request clearances from each department and/or agency at least two weeks prior to requesting a final building inspection from Building and Safety. Each agency shall sign the back of the Building and Safety Job Card, or provide agency approved signed documentation, and provide a copy of the signatures to Building and Safety at the time the final inspection is requested.

9. Building and Safety inspection requests must be made by 4:00 pm. on the previous City working day to receive a next business day inspection. Please contact (909) 864-2136, Ext 228.

10. A security fence with screening shall protect all construction sites. The fencing and screening shall be maintained at all times to protect pedestrians. All development projects shall submit a construction fencing plan with the construction design plans. Construction projects that have phased occupancy shall be completely separated by a construction fence that is screened and show the adjusted fence locations at each phase.

11. On site toilet facilities shall be provided for construction workers and such facilities shall be maintained in a sanitary condition. Construction toilet facilities of the non-sewer type shall conform to ANSI ZA.3 and on site per NPDES stormwater requirements.

12. All construction materials, which are not used, shall be recycled pursuant to the requirements set forth by Ordinance No. 269. Receipts from the recycle company responsible for picking up the materials shall be kept in the construction office. After the construction is complete and before final occupancy, the trash receipts shall be forwarded to the City Public Services division.

13. Construction projects, requiring temporary electrical power, shall obtain an electrical permit from Building and Safety. No temporary electrical power will be granted to a project unless the following item is in place and approved by Building and Safety and the Planning Division.

    a) Installation of a construction trailer through the "Temporary Occupancy Permit", alternatively, a security fenced area where the electrical power will be located. Installation of construction/sales trailers must be located on private property. No trailers can be located in the street unless a permit from the Engineering Department is obtained.

14. Prior to the issuance of Building Permits, on site water service shall be installed and approved by the responsible agency. On site fire hydrants shall be approved by the Fire Department. No flammable materials will be allowed on the site until the fire hydrants are established and approved. No flammable construction materials shall be placed on the site without approvals by the Fire Department. All street and access roadways around the project shall be paved for emergency response vehicles before flammable materials are placed on the project. Fire flow tests shall be obtained by East Valley Water District.

15. Prior to issuance of building permits, site-grading certifications, compaction reports, and survey report shall be submitted to Building and Safety or to Public Works, as applicable.

16. Prior to issuance of building permits, provide a receipt from the appropriate Unified School District stating that all school fees have been paid.

(San Bernardino Unified School Districts)

17. Prior to final inspection, provide Building & Safety with a flash disk of the approved plans and documents.

18. Final approvals from all applicable outside agencies and internal departments and divisions are required prior to Building and Safety permit final and occupancy approval.

19. All construction projects shall comply with the NPDES Stormwater Best Management Program. Prior to building permit issuance submit copy of the Water Quality Management Program Report. (WQMP)

20. All deferred plan items are to be identified on the plans cover sheet.

21. Site development and grading shall be designed to provide access to all entrances and exterior ground floor exits and access to normal paths of travel. The accessible route(s) of travel shall be the most practical direct route.

22. All dead and removed trees and foliage is to be properly removed from the site.

23. The City enforces the State of California provisions of the California Building Code disabled access requirements. The Federal Americans with Disabilities Act (ADA) standards may differ in some cases from the California State requirements; therefore, it is the building owner's responsibility to be aware of those differences and comply accordingly.

24. At the time of submittal for plan review, projects meeting the requirements under Section 5.410.2 and Section 5.410.2.3 of the California Green Building Standards Code shall submit a Commissioning Plan.

25. Prior to final inspection, provide Building & Safety with a flash disk of the final approved amended plans and documents.

Comments pertaining to the project/ preliminary drawing plans:

26. Demolition permits shall be obtained for all structures to be demolished.

27. The trash enclosure shall be accessible to persons with disabilities and located on an accessible route. The accessible route shall extend from the trash enclosure to the building it serves. Detail accessible route on plans. (CBC Section 11B-206.2.2)

City of Highland, **FIRE PREVENTION DIVISION,** Conditions of Approval.

DATE : September 20, 2022 **Page 1 of 7**

APPLICANT : Patriot Warehouse Development

ADDRESS : 1192-261-23, 1192-261-24, 1192-261-11, 1192-261-12

SITE LOCATION: East side of Grape Street 200' South of Cypress Street.

FILE / INDEX No.: CUP 22-003 DRA 22-008 VAR 22-003

A tiered level of mitigation options has been developed and listed below are the systems and/or modifications required for your project. Compliance of the following items are a condition of **FINAL OCCUPANCY APPROVAL**. These conditions are required as acceptable solutions to the adverse fire conditions impacting firefighting and emergency operations accompanying the site/area. They will either assist in detection and extinguishment of the fire and/or facilitate the anticipated emergency operations.

This project is protected by the City of Highland Fire Department / Cal-Fire / California Department of Forestry and Fire Protection. Prior to any construction occurring on any parcel, the applicant shall contact the city of highland fire marshal office for verification of current fire protection development requirements. All new construction shall comply with the currently adopted California Fire Code and all applicable statutes, appendices, codes, ordinances, standards and policies of the City of Highland Fire Department/ Fire Prevention Division / Cal-Fire / California Department of Forestry and Fire Protection.

Fire Department Review of all projects is required.

ALL CONSTRUCTION (New and renovations to existing) SHALL COMPLY WITH THE CALIFORNIA FIRE CODE Along with amendments as adopted within the Highland Municipal Code (Ord. #411).

Note: All weather access roads (CFC) and fire hydrant/water system installations shall be in place, inspected and approved, **PRIOR** to combustible material being brought on site.

Note: The City of Highland has 2 areas within the '**FIRE SAFETY OVERLAY DISTRICT**' designated as **FR-1** and **FR-2**. Both areas may border or overlap areas identified by the State/CalFire as '**High Fire Severity Zone**' or '**Very High Fire Severity Zone**'. See **HMC** for construction requirements.

GENERAL.

1. **HF3:** A fuel break of one hundred (100) feet (brush and weed clearance) is required prior to construction. The clearance shall be maintained on a year-round basis. **CFC & HMC**

2. **HF31:** Approved fire hydrant pavement markers (blue dots) shall be installed at every hydrant.

3. **HF51:** The main electrical panel and all sub-panel(s) shall be labeled on inside cover for all circuits. **CEC**

4. **HF52:** Water heater (fuel fired), shall be properly vented to exterior of structure. Water heater shall be seismic strapped to wall and be located 18" above a garage floor. **CBC**

5. **HF55:** Commercial exit requirements:
   A. Required exit doors shall be maintained in an operable condition at all times
   B. Required exit doors shall swing outward and away in the direction of exit travel.
   C. Obstructions shall not be placed in the required width of an exit. Exits shall not be blocked or locked shut or obstructed in any manner during business hours.
   D. Exit paths shall be illuminated when structure is occupied.
   E. Exit path illumination shall be supplied from two (2) sources of power when occupant load is one hundred (100) persons or more.
   F. When exit way/exit pathway and/or exit doorway is not easily identified, additional exit signs shall be installed.

6. Exit signs shall be internally or externally illuminated by two lamps or shall be of the self-luminous type. **CFC; CBC**

7. **HF60:** Additional plans for access, fire safety systems, fire lanes and signage, gates, storage, or other special conditions may be requested for review, conditioning and approval by the fire marshal.

8. **HF56:** All flammable and combustible liquid storage and dispensing shall be in accordance with applicable sections of the **CFC, T-19** and city codes and ordinances.

9. **HF48:** A class "A" roof covering structure with "bird stops" shall be installed.

ACCESS:

10. **HF7:** Fire department **access** roads shall meet the fire dept. minimum unobstructed width of twenty (20) feet. (twenty-six (26) feet within FR-1&2 zones). **This standard shall not lessen other agency requirements.** Access roads shall be paved (asphalt/concrete) and in place **prior** to delivery of combustible building materials on site. Roads shall be designed and constructed to meet adopted city standards. **CFC**

11. **HF8:** All access roads, public, private streets and residential driveways shall maintain a minimum vertical clearance of thirteen (13) feet-six (6) inches. **CFC**

12. **HF10:** Driveways exceeding 150 feet shall have a fire department approved turn-around at the terminus. **CFC / APPENDIX D**

13. **HF11:** Fire department access roadway(s) and/or public/private street(s) exceeding one hundred fifty (**150**) feet in length shall provide an approved turn-around at the terminus (**cul-de-sac**). Minimum radius shall be **not less than forty (40)** feet. Or as approved by the fire marshal. Cul-de-sacs providing access to perimeter emergency access roads shall have a minimum radius of forty four **(44)** feet. **CFC / APPENDIX D, SBCO TRANSPORTATION STD**

14. **HF12:** Fire department access roadway(s); public/private street(s) and driveways shall not exceed 12% grade. **CBC / APPENDIX D, HMC**

15. **HF13:** Fire department access roadway(s); shall extend to within one hundred fifty (150) feet of and shall give reasonable access to all portions of the exterior walls of the first story of any building.
    An access road, approved by the fire dept., shall be provided to within fifty (50) feet of all structures when the natural grade between access road and structure is in excess of 30%.
    Where an approved access road cannot be provided, a fire protection system shall be required and approved by the fire department. **CFC**

16. **HF15:** "Phased" projects may be required to provide a minimum of two (2) remote points of approved access during construction. A secondary access, for fire and other emergency equipment and for routes of escape, which will safely handle evacuations. **CFC - APPENDIX D**

17. **HF19:** **Manually** operated gates across fire department access roadways, public and/or private streets and driveways, shall be equipped with approved emergency key-operated **"KNOX"** padlock or box containing key to open the private lock. For **automatic** gates, a "KNOX" emergency access switch, shall be installed, at location determined by fire department, and shall over-ride all command functions and open gate automatically upon activation. All automatic gates shall have a manual over-ride for use during loss of electric power. "KNOX BOX" request form

is available from the fire marshal or may be ordered directly from www.knoxbox.com (specify City of Highland, CA) **CFC – Appendix D Note: The city of Highland also requires an electronic "H" key system (Ord. #320) for multi-family, gated communities or secured storage facilities. HMC**

18. **HF24:** "NO PARKING – FIRE LANE" signs shall be posted at locations designated by fire marshal. Fire lane curbs shall be painted red, with white letters stating, "NO PARKING – FIRE LANE" on top, not face. **CFC - APPENDIX D**

19. **HF54:** Commercial and industrial structures-occupancies and gated complexes shall have a "**KNOX BOX**" system installed on the exterior of the building(s) or complex. location of device to be determined by the fire department. The box shall contain keys necessary to gain access and may contain pre-plans and MSDS information as required by the fire department. New and existing multi-tenant commercial buildings shall provide a 'KNOX' box large enough to contain keys to access each individual tenant space. Installation location(s) to be determined by the fire marshal. The box shall contain clearly marked keys to each tenant space or other areas as determined by the fire marshal. **CFC**

20. **HF61:** Aerial fire apparatus access roads. **Where required**: buildings or facilities **exceeding 30-feet** in height above the lowest level of fire dept. Vehicle access shall be provided access roads capable of accommodating aerial apparatus. **Width:** aerial apparatus access roads shall provide a minimum unobstructed width of **26-feet** in the immediate vicinity of any building exceeding 30-feet in height. **Proximity to buildings:** aerial apparatus access roads shall be located a minimum of 15-feet to a maximum of 30-feet from the building, and shall be positioned parallel to one entire side of the structure, as approved by the fire code official. **CFC APPENDIX D**

WATER:

21. **HF25:** Minimum required fire flow, as determined by California Fire Code Appendix 'B'.
System shall be looped with minimum eight (8) inch mains; six (6) inch laterals, six (6) inch risers; six (6) inch dia. Hydrants with two 2 ½" outlet(s) and one 4" outlet. **CFC APPENDIX B AND C**

Note: Hydrants shall meet EVWD standards.

22. **HF29:** Fire hydrant spacing shall be:
Commercial retail: 300 FEET
CFC / APPENDIX B AND C.

Note: Existing fire hydrants (off-site) can be included if they meet spacing requirements. Hydrants shall not be located at the 'bulb' end of cul-de-sacs.

23. **HF26:** Three sets of water delivery system plans, designed to meet the required fire flow for this project and/or development, shall be submitted to the fire department for review and approval. **CFC**

24. **HF27:** Applicant-developer shall provide a letter from the water company serving the project-development, verifying financial arrangements have been made and bonded for the required water improvements. **CFC**

25. **HF28:** Fire hydrants shall be installed, inspected and operational as per approved water system delivery plans **prior** to any framing, construction or delivery of combustible materials to project site. **CFC / CFC**

26. **HF30:** Private, on site fire hydrant(s) – yard hydrant(s)- capable of supplying required fire flow shall be installed at location(s) identified by the fire department. System shall be looped with minimum eight (8) inch mains; six (6) inch laterals, six (6) inch risers; six (6) inch dia. hydrants with one 2 ½" outlet and one 4" outlet. **CFC / APPENDIX B AND C**

27. **HF38:** Approved fire hydrant(s) capable of supplying required fire flow, shall be provided to all premises upon which facilities, buildings or portions of buildings are constructed or moved within the jurisdiction. When any portion of the facility or building protected is in excess of 150 feet from a fire hydrant on a public street, as measured by an approved route around the exterior of the facility or building, additional fire hydrants or on-site fire hydrants, meeting the required fire flow, shall be provided. **CFC APPENDIX B AND C**

ADDRESSING – IDENTIFICATION:

28. **HF21:** **Commercial** and **multi-family residential** address numbers shall be displayed on all **new and existing** structures in such a manner as to be plainly visible and legible from the access roadway or street. Numerals shall be of a contrasting color to the building and electrically illuminated.
Minimum size of the numerals shall be **8"** height, 3/4" stroke, or as approved by the fire marshal.
Industrial occupancies shall have address numbers of 12" height, 1" stroke and shall be electrically illuminated so as to be visible and legible from access roadway or street.
Note: Depending on height and setback of a building, larger numerals may be required and at additional locations on the building, as determined by a case-by-case review.
HMC

FIRE PROTECTION & ALARM SYSTEMS:

29. **HF36:** Automatic fire sprinklers shall be installed according to **NFPA 13** and fire dept. requirements. Submit three **(3)** sets of shop plans with material cut sheets and hydraulic calculations, indicating the type of occupancy, type of materials to be stored (if any), for fire dept. review and approval prior to any installation. Submit copy of California C-16 license. **CFC; CBC; HMC**

30. **HF37:** Automatic fire sprinkler control devices (P.I.V & O.S.&Y.) Shall be visible from fire dept. access roadway, and identify system being controlled and address of structure.
Fire Dept. Connection (FDC) shall be located no closer than forty (40) feet and not to exceed one hundred fifty (150) from structure. Required fire hydrant shall have a maximum distance from FDC of thirty (30) feet. FDC shall identify address and system of structure being protected. **CFC**

31. **HF41:** A minimum of one 2A-10BC fire extinguisher shall be installed for each 3,000 sq.ft. of floor area. Travel distance to any one fire extinguisher shall not exceed 75 feet. Additional fire extinguishers, size and class to be determined by fire department, may be required. Fire extinguishers shall be serviced bi-annually and shall have a current State Fire Marshall service tag attached. Fire extinguishers are to be serviced every two years and inspected & tagged every year. **CFC**; **NFPA**

32. **HF43:** An automatic fire detection and alarm system meeting the requirements of CFC 907, CBC and NFPA 72 shall be installed. Three (3) sets of shop plans with material cut sheets and calculations shall be submitted to the fire department for review and approval prior to installation. **CFC; CBC; NFPA**

33. **HF44:** An automatic smoke removal system shall be installed. The system shall comply with CFC and CBC requirements. Three (3) sets of shop plans with material cut sheets and calculations shall be submitted to the fire department for review and approval prior to installation. This system may be mitigated as allowed by the California Fire and Building codes. Please indicate type and code section of the applicable mitigation employed in this application on your plans. **CFC; CBC**

34. **HF45:** An automatic smoke ventilation system – fusible link type, shall be installed. Roof vent, venting ratios and draft curtains shall be provided. Three (3) sets of shop plans with material cut sheets and calculations shall be submitted to the fire department for review and approval prior to installation. This system may be mitigated as allowed by the California Fire and Building codes. Please indicate type and code section of the applicable mitigation employed in this application on your plans **CFC; CBC**

35. **HF59:** Commercial and industrial buildings, in excess of 20,000 square feet, and with an interior area more than 150 feet from exterior exit, shall be equipped with a class I standpipe system. Standpipe connections shall be configured to reach any portion of interior space within 150 feet in any direction of travel. This system shall be calculated to provide 500 GPM from an adjacent automatic fire sprinkler riser at 100-psi nozzle pressure for two hand lines flowing.

36. **HF60:** California Fire Code, **FIRE SAFETY DURING CONSTRUCTION AND DEMOLITION**, shall apply to this project. it is the responsibility of the project manager to meet with the fire marshal to discuss requirements specific to this project.

37. **HF61**: **TENANT IMPROVEMENT**. Review the 'tenant improvement information' handout. If any of the items listed apply to this project, they must be included in the 'fire department notes' section on the plan.

38. **HF62**: Additional plans for access, fire safety systems, storage or other special condition may be requested for review, conditioning and approval by the fire marshal.

39. **HF63**: Submit to fire marshal's office: **one copy** of building and/or structure plans for fire department review.

40. **HF64:** Spray booths, spray finishing operations shall comply with requirements of California Fire Code

41. **Note:** Fire sprinkler design requirements for Spec warehouse buildings will change depending on type of occupancy, storage heights and/or commodities that are being used or handled.

Craig Sanchez, Fire Marshal
City of Highland Fire Prevention
(909) 864-8732 x 248

City of Highland

Engineering Department
Conditions of Approval
(CUP 22-003 & DRA 22-008 & TPM 22-009) Patriot on Grape Street

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A - Required Prior to Map Approval
B - Required Prior to Building Permit/Construction
C - Required Prior to Building Occupancy
D - Ongoing
E - Required Prior to Grading Permit
* - Non Standard Conditions

Soils/ Geology/ Grading

E 1. Design grading and landscaping plans to comply with the City's clear sight triangle criteria at public street intersections and at private driveways. Walls, fencing, monument signs, slope, and landscaping, within the clear sight triangle, must not exceed thirty inches in height measured from the flowline of the street, unless a sight distance analysis that demonstrates sight distance is adequately maintained is submitted to and approved by the City Engineer.

E 2. Submit a preliminary soils report, prepared by a licensed Geotechnical Engineer, for review and approval by the City Engineer. Comply with the recommendations contained in the report and any amendments thereof as approved by the City Engineer.

E 3. Submit rough and/or precise grading plans to the City Engineer for review and approval. Comply with the City of Highland grading standards as shown on the grading plan checklist.

E 4. Submit the structural design and location for any required retaining walls for review and approval by the City Engineer. Construct concrete v-ditches and drainage system at the back of retaining walls in accordance with the Grading Plan Checklist and as required by the City Engineer.

E 5. Submit an erosion control plan to minimize potential increases in erosion and sediment transport during construction activity for City Engineer approval. Place erosion control measures during or after grading work as required by the City Engineer.

E 6. Design short-term erosion control in accordance with Best Management Practices such as, hydroseeding, mulching, jute matting or plastic sheeting to protect slopes; silt fencing to control site perimeter; and straw bale barriers, sand bag barriers, rock filters or sediment basins to control internal erosion, or other methods to stabilize disturbed areas, as approved by the City Engineer.

D 7. Implement dust control measures during construction activities including, but not limited to, daily watering of construction area as frequently as necessary during active and inactive periods, utilizing soil emulsions, limiting construction vehicle speed to 10 miles per hour, stabilizing construction entrances to prevent trackout of sediments, and street sweeping.

E 8. Design grading to intercept and conduct off-site tributary drainage flow around or through the project site in a manner that does not adversely affect adjacent properties. Conveyance of on-site and off-site tributary flows shall be maintained by the underlying property owner.

E 9. Design grading to drain the entire area of the project to the proposed Water Quality Management Plan (WQMP) infiltration basins and to accommodate overflows as necessary.

E* 10. Plot all existing and proposed easements on grading plan and note disposition of any existing utilities, appurtenances, fences, and access roads.

D* 11. Construct temporary sedimentation basins for use during the grading and construction period of the project. Do not start using the proposed infiltration basins until the site is stabilized for erosion and sedimentation.

B 12. Submit original wet signed and stamped rough grading certifications from the soils engineer and the grading engineer, along with compaction reports, to the City Engineer.

C 13. Submit original wet signed and stamped final grading certification from the grading engineer, to the City Engineer.

STREET IMPROVEMENT

C* 14. Remove existing improvements along eastside of Grape Street and construct new street improvements across the entire Grape Street frontage of the project and across the frontage of APN 1192-281-08 (7801 Grape Street). Construct new street improvements including, but not limited to, 6" curb and gutter located 26' east of street centerline, 6'-wide curb-adjacent sidewalk, and street lights. Design the limits and extent of removal of existing improvements, and construction of transitional improvements, as directed by the City Engineer.

C* 15. Construct new asphalt concrete pavement with class II aggregate base improvements to 12' west of centerline of Grape Street (T.I.=8) asphalt concrete pavement with class II aggregate base. Design the limits and extent of removal of existing improvements, and construction of transitional improvements, as directed by the City Engineer.

C* 16. In the event the developer, after a verifiable good faith effort, fails to acquire the required off-site property interests, the developer shall, prior to approval of the Final Map, enter into an agreement with the City to complete the improvements pursuant to Government Code Section 66462 at such time as the City acquires the property interests required for the improvements. Such agreement shall provide for payment by developer of all costs incurred by the City to acquire the off-site property interests (right of way dedications and permission to grade and construct as applicable) required in connection with the subdivision. Security for a portion of these costs shall be in the form of a cash deposit in the amount estimated by the City based on an appraisal report obtained by the developer, at the developer's cost. The appraiser shall have been approved by the City prior to commencement of the appraisal.

C* 17. Construct commercial drive approaches with curb returns per City Standard 213. Note 4.5' sidewalk easement will be required back of commercial drive approach (Std. 213).

C 18. Construct private ingress/ egress improvements at the southerly and northerly approach of Grape Street to permit right in and left out only truck movement.

C 19. Construct private ingress/ egress improvements at the southerly and northerly approach of Grape Street to permit right in/ right out and left in/ left out movements for passenger vehicles only.

C* 20. Remove existing improvements along northside of 6th Street and construct new street improvements across the entire 6th Street between Grape Street and Victoria Avenue. Construct new street improvements including, but not limited to, 6" curb and gutter located 22' north of street centerline, 6'-wide curb-adjacent sidewalk, and street lights. Design the limits and extent of removal of existing improvements, and construction of transitional improvements, as directed by the City Engineer.

C* 21. Construct new asphalt concrete pavement with class II aggregate base improvements to centerline of 6th Street (T.I.=8) asphalt concrete pavement with class II aggregate base. Design the limits and extent of removal of existing improvements, and construction of transitional improvements, as directed by the City Engineer.

C* 22. Remove existing improvements along eastside of Grape Street and construct new street improvements across the entire Grape Street frontage south of APN 1192-281-08 (7801 Grape Street). Construct new street improvements including, but not limited to, 6" curb and gutter located 26' east of street centerline, 6'-wide curb-adjacent sidewalk, and street lights. Design the limits and extent of removal of existing improvements, and construction of transitional improvements, as directed by the City Engineer.

C* 23. Construct new asphalt concrete pavement with class II aggregate base improvements to 12' west of centerline of Grape Street (T.I.=8) asphalt concrete pavement with class II aggregate base south of APN 1192-281-08 (7801 Grape Street). Design the limits and extent of removal of existing improvements, and construction of transitional improvements, as directed by the City Engineer.

E 24. Submit engineering plans for street improvements and signing & striping to the City Engineer for review and approval. Indicate the location of any existing utility/facility which would affect construction on plans and profiles. Comply with the City design standards as shown on the street and storm drain improvement checklist. Provide ADA access to site from right of way.

C 25. Install traffic control signs and pavement markings, with locations and types approved by the City Engineer.

C 26. Design and construct public improvements including sidewalk, driveway approaches and access ramps in accordance with all requirements of the State of California Accessibility Standards, Title 24 California Administrative Code. Redesign and reconstruct existing frontage improvements if found not in compliance with City Standards.

C* 27. Install new LS3 metered street light system along the project frontages. The new street lights, electrical conduits, wiring and meter etc. will be owned and maintained by the City. The street lights shall be equipped with a Light Emitting Diode (LED) luminaire on a marbelite pole with types and at the location specified by the City Engineer. Pay the City street lighting energy and maintenance charges for the initial 12 months.

C 28. Submit "Record Revisions" to all plans to reflect the improvements as constructed, and any changes made during construction.

WATER QUALITY/ DRAINAGE

E 29. Obtain approval by the City Engineer of a Final Water Quality Management Plan (F-WQMP), prepared in accordance with the City's National Pollutant Discharge Elimination System (NPDES) permit requirements in effect at the time the Conceptual Water Quality Management Plan was approved unless subsequent City NPDES permits require otherwise. The F-WQMP shall (1) be prepared, signed, and sealed by a licensed Civil Engineer, (2) include Site Design Low Impact Development and Source Control Best Management Practices (BMPs) appropriate for residential development, (3) include a BMP implementation, operation, and funding mechanism, and (4) be certified by the property owner. The property owner shall also enter into a Stormwater BMP Transfer, Access, and Maintenance Agreement with the City on standard City form. Include a copy of the recorded agreement in the F-WQMP. Construct BMPs in accordance with the approved F-WQMP. Include the project grading plan, landscape plan and utility plan with the first submittal of the F-WQMP.

C* 30. Construct and implement site design BMPs specified in the project approved F-WQMP including, but not limited to, pretreatment devices approved at time of C-WQMP approval, underground infiltration systems, and raised curb landscaped areas and parking lot islands. Alternate site design BMPs which are equally effective may be submitted for review and approval by the City Engineer.

C 31. Submit two sets of WQMP BMP Exhibits with a "WQMP BMP As-Built Certificate" wet signed and sealed by the Engineer of Record. The Certificate shall state:

"I hereby certify that the Water Quality Management Plan Best Management Practices have been constructed under my supervision in accordance with the approved plans and are functional to the best of my knowledge."

C* 32. Construct on-site private drainage system, HDPE or other pipe material as approved by City Engineer, to drain the entire project site to the proposed WQMP BMPs in accordance with the approved Final Water Quality Management Plan, and construct necessary drainage overflow facilities. Construct an overflow pipe to convey any overflow from the proposed underground infiltration system to Grape Street as necessary.

B 33. At the underground infiltration system proposed by the Final WQMP, conduct at least two new infiltration tests using a double-ring infiltrometer. The tests shall be conducted at the proposed chamber system subgrade elevation, prior to the submittal of the F-WQMP. After obtaining the results from the two tests, the engineer and geotechnical engineer shall determine if additional testing is required.

C 34. Register the underground chambers with EPA as a Class V Injection Well.

E 35. Submit a hydrology study to determine storm runoff quantities tributary to and generated by the Project for review and approval by the City Engineer. Include hydraulic calculations to determine the size and type of all drainage facilities.

E 36. Submit engineering plans for public and private drainage systems to the City Engineer for review and approval. Indicate the location of any existing utility facility which would affect construction on plans and profiles. Comply with the City design standards as shown the street and storm drain improvement checklist.

DEDICATION/ANNEXATION

C* 37. Apply to the City to annex the project into the City's Consolidated Landscape District (LMD) for potential City maintenance of parkway and frontage landscaping along Grape Street. The City will maintain parkway and frontage landscaping utilizing LMD revenue only if the City determines that adequate maintenance is not being provided by the property owner. The potential future amount of assessment will include the estimated on-going maintenance cost and one-time construction cost to convert the privately-maintained system to the City-maintained system.

B* 38. Dedicate an irrevocable offer of dedication, (1) a 10-foot wide minimum landscape easement across the Grape Street frontage, in addition to the required street right-of-way, as approved by the City Engineer, (2) a temporary construction easement granting permission for the City to enter the property to construct and restore landscaping. The exact dimensions of the landscape easement will be determined at the time on-site improvement plans have been prepared.

B 39. Record a Final Map with the San Bernardino County Recorder pursuant to the provisions of the State Subdivision Map Act. Submit a duplicate photo mylar of the map recorded with the San Bernardino County Recorder.

A 40. At the time of Final Map submittal, include traverse calculation sheets which show error of closure, copies of recorded maps and deeds used as reference and/or showing original land division, tie notes and bench marks referenced, and a current title report not older than 30 days. Inverse calculations will not be accepted for plan check.

A 41. Include an Improvement Certificate/Statement on the Parcel Map in accordance with Section 66411.1 of the Subdivision Map Act.

FEES/PERMITS

C* 42. Pay an in lieu fee for the design and construction of the future traffic signal at 6th and Victoria Avenue, as determined by the City Engineer.

C* 43. Pay City processing fee for application of Development Impact Fee (DIF) credits for street, drainage, and median improvements pursuant to adopted City Council DIF Credit Policy.

D 44. Pay appropriate Engineering fees for district annexation, plan check, WQMP review, hydrology study review, structural calculation review, on-site and off-site inspection, utility excavation permits, GIS map plan update, microfilming and storage of maps and plans, and other required fees.

D 45. Obtain a permit from Engineering prior to any on-site construction or construction within the public right-of-way.

E 46. Post a deposit for erosion control which shall not be released prior to completion of all on-site construction.

the project surveyor or engineer. The deposit shall not be released prior to written verification from the surveyor or engineer that the monuments have been set and payment for the work has been received.

UTILITIES/ CONSTRUCTION

E 48. Obtain written permission from the adjoining property owners for offsite grading and/or construction, if any.

B 49. Install construction fencing and screening in accordance with Building and Safety Division Policy 335.

C 50. Reconstruct existing public improvements removed or damaged during construction. Pavement repair, which may include A.C. overlay, T-cut trench repair and/or slurry seal after removal of existing striping shall be across all or a portion of damaged pavement caused by this project as determined by the City Engineer.

C 51. Coordinate, and where necessary, pay for the relocation of any existing public utilities as necessary.

C 52. Provide all utility services to each building, including sanitary sewers, water, electric power, gas, cable TV, internet, and telephone. All utilities listed under Highland Municipal Code Section 16.40.380 (A) are to be underground per Ordinance 315.

E 53. Comply with applicable requirements of the National Pollutant Discharge Elimination System (NPDES) permit program. Provide written verification from the Regional Water Quality Control Board specifying the projects WDID number.

B 54. Destroy any abandoned wells on the property or similar structures that might result in contamination of underground waters in a manner approved by the City Engineer.

B 55. All underground structures, except those desired to be retained, must be broken in, backfilled, and inspected before covering.

D 56. Comply with the prevailing City design and construction standards and requirements at the time of permit issuance.

B 57. Design and construct a trash enclosure per City Standard 700.

C 58. Install telephone, cable television, and internet enclosures underground whenever the underground installation is an available option offered by the utility companies. If the underground installation is not an available option and utility enclosures must be installed above ground, install the above-ground utility enclosures and any flush mount utility enclosures at locations where construction of retaining walls will not be necessary for compliance with the setback requirements of the utility companies.

B* 59. Submit a Composite Utility Plan indicating the location of all above ground and flush mount water, electric, cable TV, internet, and telephone utility structures prior to City issuance of utility permits.

B 60. Underground existing overhead utilities along Grape Street frontages per Ordinance 434.

Attachment 3:

Resolution No. 2022-____

for Tentative Parcel Map (TPM 22-009)

RESOLUTION NO. 2022 - ____

A RESOLUTION OF THE PLANNING COMMISSION OF THE CITY OF HIGHLAND, CALIFORNIA, APPROVING TENTATIVE PARCEL MAP (TPM 22-009) TO MERGE FOUR (4) EXISTING PARCELS INTO ONE (1) PARCEL IN ASSOCIATION WITH CONDITIONAL USE PERMIT (CUP 22-003), DESIGN REVIEW APPLICATION (DRA 22-008), VARIANCE (VAR 22-003) TO DEVELOP A 90,532 SQUARE FOOT INDUSTRIAL WAREHOUSE, LOCATED AT THE SOUTHEAST CORNER OF VICTORIA AVENUE AND CYPRESS STREET.

ASSESSOR'S PARCEL NUMBERS: 1192-261-11, 12, 23, & 24

APPLICANT: PATRIOT PARTNERS, LLC

A. RECITALS

1. On May 31, 2022, the Applicant submitted an application for Tentative Parcel Map (TPM 22-009) to consolidate the four (4) existing parcels associated with the 90,532 square foot warehouse development project. Related entitlements include Conditional Use Permit (CUP 22-003), Design Review Application (DRA 22-008), and Variance (VAR 22-003).

2. The project site has a General Plan and Zoning Designation of Business Park (BP) which requires approval of a Conditional Use Permit for the establishment of a warehouse.

3. On September 20, 2022, the Planning Commission of the City of Highland, conducted a Public Hearing on the subject Project and concluded the Hearing on that date.

4. All legal prerequisites to the adoption of this Resolution have occurred.

B. RESOLUTION

NOW THEREFORE, it is hereby found, determined and resolved by the Planning Commission of the City of Highland as follows:

1. The Planning Commission finds that all of the facts set forth in the Recitals, Part "A" of this Resolution, are true and correct.

2. The City of Highland Planning Commission after due consideration, inspection, investigation and study made by itself and on its behalf, and after due consideration of all evidence and reports offered at said hearing, including the staff report to the Planning Commission dated September 20, 2022 and which is incorporated herein by this reference, does find and determine the following facts:

a. All necessary public meetings and opportunities for public testimony and comment have been conducted in compliance with State Law and the Municipal Code of the City of Highland.

3. Tentative Parcel Map (TPM 22-009) proposes to merge four (4) lots into one (1) on approximately 4.24 acres.

4. A duly noticed public hearing was held by the Planning Commission on September 20, 2022, in the City Hall Council Chambers and notice of the time, date, place and purpose of the aforesaid hearing was given as required by applicable law. At the public hearing, the Planning Commission took testimony, both written and oral, from various parties, including the Applicant.

5. Tentative Parcel Map (TPM 22-009) complies with the provisions of Chapter 16.68 *Land Divisions* of the Highland Municipal Code.

6. Tentative Parcel Map (TPM 22-009) complies with the Subdivision Map Act, Sections 66410-66499.58 of the Government Code of the State of California.

7. Pursuant to the California Environmental Quality Act (CEQA) Guidelines, an Initial Study was prepared for the project. It was determined that Mitigation Measures were necessary to address potential impacts. A Notice of Intent to adopt a Mitigated Negative Declaration (MND) was circulated and Mitigation Monitoring and Reporting Program prepared for consideration by the Commission.

8. Findings of Fact for Tentative Parcel Map (TPM 22-009):

   a. That the proposed map is consistent with applicable General and Specific Plans as specified in Section 65451.

      Response: The project site has a General Plan designation of Business Park (BP) which cites appropriate uses to "include light manufacturing, wholesaling and warehousing conducted within an enclosed building." It meets General Plan Goal 2.5 to, "promote a mix of attractive employment-generating areas with a mix of uses that provide a sound and diversified economic base and that are compatible with the community's overall residential character" and Goal 2.14 to, "establish the Victoria Avenue Corridor as the major entryway into the San Bernardino International Airport." It is not located within a Specific Plan area.

   b. That the design or improvement of the proposed subdivision is consistent with applicable General and Specific Plans.

      Response: The subdivision and warehouse improvement are consistent with the design criteria of the General Plan's Victoria Avenue Corridor,

Goal 2.14, Policies 1-6, including allowing for a mix of commercial and residential uses, encourage the consolidate of parcels to promote quality, planned development and to consolidate smaller parcels along the Victoria Avenue Corridor to improve traffic flow.

It meets the policies of General Plan Goal 10.8 to, "ensure that industrial and business park development is professional and attractive in appearance through coordinated site planning, signage and architectural design guidelines."

c. That the site is physically suitable for the type of development.

Response: The project site is appropriate for a warehouse development as it combines four (4) parcels for a total of 4.24 acres. It is relatively flat and will require the demolition of four (4) existing single-family homes each respective lot. There are no geographic or man-made impediments to the development of a warehouse on this site. There are utilities available within the adjacent right-of-way and drainage is good for on-site water retention and water quality treatment.

There is access to the site from Grape Street along the western frontage and the site is adjacent to other Business Park zones parcels to the north, south, and east. It is also located within a half mile of the San Bernardino Airport and one and a half mile of the 210 Freeway.

d. The site is physically suitable for the proposed density of development.

Response: Per Municipal Code Section 16.24.040 Employment District Development Standards, the maximum lot coverage is 60%. The project calls for 49.1%. It meets the minimum lot size, lot width and dept as well as required building setbacks and landscape coverage.

e. That the design of the subdivision or the proposed improvements are not likely to cause substantial environmental damage or substantially and avoidably injure fish or wildlife or their habitat.

Response: The Site lies in an urbanized area and was analyzed for impacts through its CEQA Initial Study. The site was previously developed with a church, and apartment complex, and a meat packaging facility on the existing lots. With the appropriate mitigation, as proposed, the transition into a conforming Business Park (BP) related use will not pose any significant effects. It will not harm fish, wildlife or their habitat. There are no endangered or protected animals onsite.

f. That the design of the subdivision or the type of improvements is not likely to cause serious public health problems.

Response: The proposed project has been reviewed and conditioned by the City's Engineering, Building and Safety, Planning Divisions and Fire Department so that the design of the subdivision or the types of

improvements will meet all local, state and federal codes as they relate to warehousing uses. It is in an urbanized area and will improve onsite conditions with the undergrounding of existing overhead utilities. It is a speculative warehouse and any future tenant will be reviewed for any potential public health impacts.

g. That the design of the subdivision or the type of improvements will not conflict with easements, acquired by the public at large, for access through or use of, property within the proposed subdivision. In this connection, the governing body may approve a map if it finds that alternate easements, for access or for use, will be provided, and that these will be substantially equivalent to ones previously acquired by the public. This subsection shall apply only to easements of record or to easements established by judgment of a court of competent jurisdiction and no authority is hereby granted to a legislative body to determine that the public at large has acquired easements for access through or use of property within the proposed subdivision.

   Response: The merging of parcels, and the new parcel design, will not conflict with easements for access through, or use of, property within the proposed subdivision. There is a single owner and any needed easement will be noted on the map. The project is conditioned so as not to conflict with any easements of record or judgement of court.

9. This project is not within a high fire severity zone. Findings required by Government Code section 66474.02 are not applicable.

10. The project is not subject to the Williamson Act. Findings required by Government Code section 66474.4 are not applicable.

11. Based on the Findings and Conclusions set forth above, the Planning Commission approves Tentative Parcel Map (TPM 22-009) to merge four (4) parcels into one (1) for the development of a 90,532 square foot warehouse subject to the Conditions of Approval attached hereto and incorporated by reference:

PASSED, **APPROVED,** AND **ADOPTED** this 20th day of September, 2022.

ATTEST:

Randall Hamerly, Chairman Planning Commission	Lawrence A. Mainez Community Development Director

Exhibit A:

Conditions of Approval (TPM 22-009)

PLANNING DIVISION CONDITIONS OF APPROVAL

Date:	September 20, 2022
Applicant:	Patriot Partners, LLC
File/Index:	Tentative Parcel Map (TPM 22-009),
Proposal:	The development and operation of a 90,532 square foot warehouse/logistics and associated improvements.
Location:	A 4.24 acre site on the east side of Grape Street, approximately 200 feet south of Cypress Street.
	Assessor's Parcel Numbers: 1192-261-11, 12, 23, & 24.
Related Entitlements:	Conditional Use Permit (CUP 22-003), Design Review Application (DRA 22-008), & Variance (VAR 22-003)

PLANNING CONDITIONS OF APPROVAL

Note: These conditions represent Planning Conditions and are meant to be one part of overall conditions that may include, but are not limited to, Engineering, Fire Department and Building and Safety conditions of approval. All required on-site and off-site improvements shall be completed and approved prior to final inspection for occupancy unless otherwise stated herein.

The Tentative Tract Map Application has been conditionally approved, subject to compliance with the requirements as specified below. The conditions listed below are continuing conditions. Failure of the Applicant and/or developer to comply with any or all of said conditions at any time shall result in the revocation of the application.

a. Unless all conditions have been complied with and the tentative parcel map authorized by this application has occurred within thirty-six (36) months from the approval date of this tentative parcel map application, this tentative parcel map application shall expire and be null and void without further action by the City of Highland.

b. Where circumstances beyond the control of the Applicant cause delays which do not permit compliance within the time limitation established in this Section, the Community Development Director may grant an extension of time for a period of time not to exceed an additional thirty-six (36) months. An application for an extension of time must be set forth in writing, stating the reasons for the extension, and must be filed with the Planning Division a minimum of thirty (30) calendar days prior to the expiration of the tentative parcel map. Such application shall be filed together with the City's processing fee, as established by the City Council.

PLANNING CONDITIONS

2. The subject property shall be developed in accordance with plans and materials approved by the Planning Commission on September 20, 2022.

3. Tentative Parcel Map (TPM 22-009) application approves the merging of four (4) parcels into one (1) parcel. The site is approximately 4.24 acres.

4. Revisions, modifications, and/or deletions to the approved plans must be submitted to the Planning Division for review and approval.

5. Easements of Record not shown on the Tentative Map shall be relinquished or relocated. Lots affected by Easements or Easements of Records, which cannot be relinquished or relocated, shall be redesigned subject to review and approval of the Community Development Director.

6. The Site lies within a Business Park (BP) Zone and all future development shall occur in accordance with the zone and all other related Highland Municipal Code provisions.

7. In compliance with the Highland Municipal Code, the Applicant/Owner shall agree, at his/her sole cost and expense, to defend, indemnify, and hold harmless, the City, its officers, employees, agents, and consultants, from any claim, action, or proceeding brought by a third-party against the City, its officers, agents, and employees, which seeks to attack, set aside, challenge, void, or annul an approval of the City Council, Planning Commission, or other decision-making body, including staff, concerning this project. The City may, at its sole discretion, participate at its own expense in the defense of any such action but such participation shall not relieve the Applicant/Owner of his/her obligations under this condition.

8. The Applicant/Owner of the property shall submit to the Planning Division written evidence of agreement with all conditions of this approval before the approval becomes effective.

9. The Applicant/Owner is responsible for implementing all conditions of approval to the satisfaction of the Community Development Director, City Engineer, Fire Department, and Police Department. No final inspection or clearances shall be given until all conditions are met. Each condition of approval is separately enforced, and if one of the conditions of approval is found to be invalid by a court of law, all the other conditions shall remain valid and enforceable.

10. Prior to recordation of the parcel map, the new legal description and plat map shall be submitted for review and approval with the Engineering Division. Prior to recordation of the parcel map the owner/applicant shall pay all applicable plan check fees.

11. Notice of this parcel map shall be filed will the county of San Bernardino and proof of recordation of the deed or record of survey shall be provided to the Engineering Division within one (1) year of approval of this parcel map.

12. Conditions of Approval for the related entitlements apply; Conditional Use Permit (CUP 22-003), Design Review Application (DRA 22-008), and Variance (VAR 22-003)

Attachment 4:

Resolution No. 2022-____

for Variance (VAR 22-003)

RESOLUTION NO. 2022-____

A RESOLUTION OF THE PLANNING COMMISSION OF THE CITY OF HIGHLAND, CALIFORNIA, APPROVING VARIANCE (VAR 22-003) TO ALLOW AN INCREASE IN THE MAXIMUM BUILDING HEIGHT IN THE BUSINESS PARK ZONE FROM 35 FEET TO 49 FEET IN ASSOCIATION WITH CONDITIONAL USE PERMIT (CUP 22-003), DESIGN REVIEW APPLICATION (DRA 22-008), AND TENTATIVE PARCEL MAP (TPM 22-009) TO CONSTRUCT A 90,532 SQUARE FOOT WAREHOUSE, LOCATED ON THE EAST SIDE OF GRAPE STREET, APPROXIMATELY 200 FEET SOUTH OF CYPRESS STREET.

ASSESSOR'S PARCEL NUMBERS: 1192-261-11, 12, 23, & 24

APPLICANT: PATRIOT PARTNERS, LLC

A. RECITALS

1. On May 31, 2022, the Applicant submitted a Variance (VAR 22-003) application to allow an increase in the maximum building height in the Business Park Zone from 35 feet to 49 feet, in association with the construction of a 90,532 square foot warehouse. Related entitlements include Conditional Use Permit (CUP 22-003), Design Review Application (DRA 22-008), and Tentative Parcel Map (TPM 22-009).

2. The project site has a General Plan and Zoning Designation of Business Park (BP), which requires approval of a Conditional Use Permit for the establishment of a warehouse.

3. On September 20, 2022, the Planning Commission of the City of Highland, conducted a Public Hearing on the subject Project and concluded the Hearing on that date.

4. All legal prerequisites to the adoption of this Resolution have occurred.

B. RESOLUTION

NOW THEREFORE, it is hereby found, determined and resolved by the Planning Commission of the City of Highland as follows:

1. The Planning Commission finds that all of the facts set forth in the Recitals, Part "A" of this Resolution, are true and correct.

2. The City of Highland Planning Commission after due consideration, inspection, investigation and study made by itself and on its behalf, and after due consideration of all evidence and reports offered at said hearing, including the staff report to the Planning Commission dated September 20, 2022 and which is incorporated herein by this reference, does find and determine the following facts:

a. All necessary public meetings and opportunities for public testimony and comment have been conducted in compliance with State Law and the Municipal Code of the City of Highland.

4. A duly noticed public hearing was held by the Planning Commission on September 20, 2022, in the City Hall Council Chambers and notice of the time, date, place and purpose of the aforesaid hearing was given as required by applicable law. At the public hearing, the Planning Commission took testimony, both written and oral, from various parties, including the Applicant.

5. Pursuant to the California Environmental Quality Act (CEQA) Guidelines, an Initial Study was prepared for the project. It was determined that Mitigation Measures were necessary to address potential impacts. A Notice of Intent to adopt a Mitigated Negative Declaration (MND) was circulated and Mitigation Monitoring and Reporting Program prepared for consideration by the Commission.

6. Findings of Fact for Variance (VAR 22-003):

a. That a strict or literal interpretation and enforcement of the specified regulation would result in practical difficulty or unnecessary hardship not otherwise shared by others within the surrounding area or vicinity.

Response: The regulation for which a variance is being requested is, Highland Municipal Code, Title 16, *Land Use and Development,* Table 16.24.040.A *Industrial Site Development Minimum Standards, No. 8. Maximum building height (in feet) – 35'*. The Business Park Zone permits general warehousing. Warehousing built to industry standards requires 36 feet clear height to accommodate joists, lights and sprinkler systems with 4-5 feet to reach the roof of the structure followed by an additional 4-5 feet above the roofline to screen roof-mounted equipment such as HVAC. Limiting the building height to 35 feet makes the use infeasible. The Developer is requesting a maximum exterior building height of 49 feet.

b. That there are exceptional or extraordinary circumstances or conditions applicable to the property involved or to the intended use of the property which do not apply generally to other properties in the vicinity and under the same zoning classification.

Response: The property involved is zoned for Business Park (BP) which is the limiting condition in this application. Similar uses within industrially zoned properties in the City are allotted a maximum building height of 50 feet. Warehousing built to industry standards requires 36 feet clear height to accommodate joists, lights and sprinkler systems with 4-5 feet to reach the roof of the structure followed by an additional 4-5 feet above the roofline to screen roof-mounted equipment such as HVAC. Limiting the building height to 35 feet makes the use infeasible. The Developer is requesting a maximum exterior building height of 49 feet.

c. That the strict interpretation and enforcement of the specified regulation would deprive the applicant of privileges enjoyed by the owners of other properties in the vicinity and under the same zoning classification.

Response: The Applicant would be deprived of constructing a fully-functional warehouse on the site which is zoned Business Park and allows for warehousing and distribution uses. Warehousing built to industry standards requires 36 feet clear height to accommodate joists, lights and sprinkler systems with 4-5 feet to reach the roof of the structure followed by an additional 4-5 feet above the roofline to screen roof-mounted equipment such as HVAC. Limiting the building height to 35 feet makes the use infeasible. The Developer is requesting a maximum exterior building height of 49 feet.

d. That the granting of the variance will not constitute a grant of special privilege inconsistent with the limitations on other properties in the vicinity and under the same zoning classification.

Response: The granting of the variance is permitted, though not a right, by the Municipal Code, Section 16.08.070 *Variances.* As discussed in the Staff Report, the vast majority of the building features a height of forty-three (43) feet, which is a 23% increase from the height limit of thirty-five (35) feet, which could be approved under a Minor Variance by the Community Development Director. However, there is a small section of the building, the office at the southwest corner of the site, where the height extends an additional six (6) feet up to forty-nine (49) feet. This increase pushes the height to 40% beyond the approved height limit, triggering the review of a Major Variance by the Planning Commission. Warehousing built to industry standards requires 36 feet clear height to accommodate joists, lights and sprinkler systems with 4-5 feet to reach the roof of the structure followed by an additional 4-5 feet above the roofline to screen roof-mounted equipment such as HVAC. Limiting the building height to 35 feet makes the use infeasible.

e. That a granting of the variance will not be detrimental to the public health, safety or welfare, or materially injurious to properties or improvements in the vicinity; and

Response: The granting of a variance for an additional fourteen (14) feet of building height will increase the overall cubic volume of the building. The site design is still compliant with the twenty (20) foot setbacks and landscape coverage required for the Business Park (BP) zone. Noise, sound, vibration, lighting and traffic issues were all analyzed in the project's Initial Study. Mitigation Measures were established as appropriate to respond to any potential impact to properties and improvements in the area. Said Mitigation Measures will be adopted with the project's Conditions of Approval.

f. That the granting of the variance is consistent with the objectives and policies of the general plan and the intent of this title.

Response: The granting of the variance will facilitate compliance with industry standards for warehousing and distribution type uses. This use complies with the General Plan and Zoning designations of Business Park (BP). The project's design also complies with other development standards in Title 16, Land Use and Development, as well as General Plan Policies included in the Land Use Element and Community Design Element for the Victoria Avenue Corridor and its transition from legal, non-conforming single-family residences to the General Plan's vision for modern light industrial and mixed uses complimentary to the San Bernardino International Airport uses.

7. Based on the Findings and Conclusions set forth above, the Planning Commission approves Variance (VAR 22-003) to allow a maximum building height of forty-nine (49) feet for this project in the Business Park (BP) Zone. The variance is related to the development of a 90,532 square foot warehouse, subject to Conditional Use Permit (CUP 22-003), Design Review Application (DRA 22-008), and Tentative Parcel Map (TPM 22-009), and the respective Conditions of Approval for each entitlement.

PASSED, **APPROVED,** AND **ADOPTED** this 20th day of September, 2022.

ATTEST:

Randall Hamerly, Chairman
Planning Commission

Lawrence A. Mainez
Community Development Director

Attachment 5:

Resolution No. 2022-____
certifying Mitigated Negative Declaration
(ENV 22-004)

RESOLUTION NO. 2022 - ____

A RESOLUTION OF THE PLANNING COMMISSION OF THE CITY OF HIGHLAND, CALIFORNIA, ADOPTING A MITIGATED NEGATIVE DECLARATION AND MITIGATION MONITORING AND REPORTING PROGRAM (ENV 22-005) FOR THE DEVELOPMENT OF A 90,532 SQUARE FOOT WAREHOUSE ON THE EAST SIDE OF GRAPE STREET, APPROXIMATELY 200 FEET SOUTH OF CYPRESS STREET. RELATED ENTITLEMENTS INCLUDE CONDITIONAL USE PERMIT (CUP 22-003), DESIGN REVIEW APPLICATION (DRA 22-008), TENTATIVE PARCEL MAP (TPM 22-009), AND VARIANCE (VAR 22-003).

ASSESSOR'S PARCEL NUMBERS: 1192-261-11, 12, 23, & 24

APPLICANT: PATRIOT PARTNERS, LLC

A. RECITALS

1. On May 31, 2022, the Applicant submitted applications for Conditional Use Permit (CUP 22-003) to permit the development of a 90,532 square foot warehouse and associated improvements, Design Review Application (DRA 22-008) for the Site Plan, Building Elevations, Grading Plan and Conceptual Landscape Plan for the project, Tentative Parcel Map (TPM 22-009) to combine four (4) parcels into one (1), and Variance (VAR 22-003) allowing the warehouse building to exceed the maximum building height permitted in the Business Park Zone by fourteen (14) feet.

2. Pursuant to the provision of the California Environmental Quality Act (CEQA) and State and Local CEQA Guidelines, the City of Highland is the Lead Agency, and is charged with the responsibility of deciding whether or not to approve the proposed Project.

3. The Initial Study prepared for the Project was made available for public review from August 22, 2022 to September 11, 2022.

4. The Initial Study finds that either no impact or less than significant impacts would be associated with the issues of Aesthetics, Agricultural and Forestry Resources, Energy, Greenhouse Gas Emissions, Hazards and Hazardous Materials, Hydrology and Water Quality, Land Use and Planning, Mineral Resources, Noise, Population/Housing, Public Services, and Recreation, Transportation and Traffic, Wildfire, and Utilities and Services Systems

5. The Initial Study also finds that the potential impacts to air quality, biological resources, tribal/cultural resources, as well as geology and soils require the implementation of mitigation measures to reduce impacts to a less than significant level. Thus, a Mitigated Negative Declaration is the appropriate document for this project.

6. On September 20, 2022, the Planning Commission of the City of Highland, conducted a Public Hearing on the subject Project and concluded the Hearing on that date.

7. All legal prerequisites to the adoption of this Resolution have occurred.

B. RESOLUTION

NOW THEREFORE, it is hereby found, determined and resolved by the Planning Commission of the City of Highland as follows:

Section 1. The Planning Commission finds that all of the facts set forth in the Recitals, Part "A" of this Resolution, are true and correct.

Section 2. Based upon substantial evidence presented to the Planning Commission during the September 20, 2022, Public Hearing, including public testimony and written and oral Staff Reports, the Planning Commission finds as follows:

a. All necessary Public Meetings and opportunities for public testimony and comment have been conducted in compliance with State Law and the Municipal Code of the City of Highland.

Section 3 The Planning Commission hereby adopts the Mitigated Negative Declaration and Mitigation Monitoring and Reporting Program (ENV 22-005), both of which are attached hereto and incorporated herein by reference.

Section 4. The Planning Commission hereby instructs City staff to file a Notice of Determination with the Clerk of the Board of the Supervisors of the County of San Bernardino, pursuant to the Public Resources Code and State CEQA Guidelines.

C. ADOPTION OF RESOLUTION.

The City Clerk shall certify to the adoption of this Resolution and shall cause the same to be published or posted in the manner prescribed by law.

PASSED, **APPROVED**, AND **ADOPTED** this 20th day of September, 2022.

ATTEST:

Randall Hamerly, Chairman Planning Commission	Lawrence A. Mainez, Community Development Director

Exhibit A:

Final Initial Study/
Mitigated Negative Declaration

Final
Initial Study/Mitigated Negative Declaration

Grape Street Warehouse Project

CUP22-003

September 2022

Prepared for:

City of Highland
27215 Base Line
Highland, California
92346

CONTACT:
Ash Syed
Associate Planner

Prepared by:

DUDEK

3615 Main Street, Suite 103
Riverside, California 92501

CONTACT:
Sean Kilkenny
Senior Project Manager

FINAL

Initial Study/Mitigated Negative Declaration

Grape Street Warehouse Project

SEPTEMBER 2022

Prepared for:

CITY OF HIGHLAND California

CITY OF HIGHLAND
27215 Base Line
Highland, California 92346
Contact: Ash Syed, Associate Planner

Prepared by:

DUDEK

3615 Main Street, Suite 103
Riverside, California 92501
Contact: Sean Kilkenny

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1 Introduction

An Initial Study/Mitigated Negative Declaration (IS/MND) was prepared for the proposed Victoria Avenue and Cypress Street Warehouse Project (project) and made available for public comment for a public review period from August 22, 2022, through September 11, 2022. In accordance with the California Environmental Quality Act (CEQA) Guidelines, Section 15074(b) (14 CCR 15074(b)), before approving the proposed project, the City of Highland (City), as the lead agency under CEQA, will consider the IS/MND with any comments received during this public review period. Specifically, Section 15074(b) of the CEQA Guidelines (14 CCR 15074(b)) states the following:

Prior to approving a project, the decision-making body of the lead agency shall consider the proposed negative declaration or mitigated negative declaration together with any comments received during the public review process. The decision-making body shall adopt the proposed negative declaration or mitigated negative declaration only if it finds on the basis of the whole record before it (including the initial study and any comments received), that there is no substantial evidence that the project will have a significant effect on the environment and that the negative declaration or mitigated negative declaration reflects the lead agency's independent judgment and analysis.

No comment letters were received for this project.

2 Errata

The following provides minor revisions, corrections, and additions to the Draft IS/MND. The corrections and additions are organized by section and page number of the Draft IS/MND. New text additions are shown in underline format, and deletions are shown in strikeout format. These minor revisions, corrections, and additions do not change the significance determinations made or the severity of potential environmental impacts evaluated in the Draft IS/MND.

3.4, Biological Resources (Page 45)

Explanation for Change:

This text was an error. There is no MM-BIO-3 or MM-BIO-4, and this text is being removed to correct that error.

Change:

> Western yellow bat has a moderate potential to roost within trees and shrubs on site. Therefore, the project could potentially impact nursing western yellow bats if vegetation removal activities occur during the maternity bat roosting season (March 1–August 31). Project implementation of MM-BIO-1 (Preconstruction Bat Survey) would reduce these potential impacts to a less-than-significant level. As discussed previously, project construction could potentially impact nesting/migratory bird protected under the Migratory Bird Treaty Act. Project implementation of MM-BIO-2~~, MM-BIO-3, and MM-BIO-4 (i.e., seasonal recommendations, preconstruction survey, avoidance buffers, and monitoring)~~ would reduce these potential indirect impacts to a less-than-significant level.

Public Review
Initial Study/Mitigated Negative Declaration

Grape Street Warehouse Project

CUP22-003

August 2022

Prepared for:

City of Highland
27215 Base Line
Highland, California
92346

CONTACT:
Ash Syed
Associate Planner

Prepared by:

DUDEK

3615 Main Street, Suite 103
Riverside, California 92501

CONTACT:
Sean Kilkenny
Senior Project Manager

Initial Study/Mitigated Negative Declaration

Grape Street Warehouse Project

AUGUST 2022

Prepared for:

CITY OF HIGHLAND California

CITY OF HIGHLAND
27215 Base Line
Highland, California 92346
Contact: Ash Syed, Associate Planner

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Acronyms and Abbreviations

Acronym/Abbreviation	Definition
AB	Assembly Bill
ACM	asbestos-containing materials
ADA	Americans with Disabilities Act
AERMOD	American Meteorological Society/U.S. Environmental Protection Agency Regulatory Model
AQMP	Air Quality Management Plan
BMPs	best management practices
BP	Business Park
CAAQS	California Ambient Air Quality Standards
CAL FIRE	California Department of Forestry and Fire Protection
Caltrans	California Department of Transportation
CAPCOA	California Air Pollution Control Officers Association
CARB	California Air Resources Board
CCR	California Code of Regulations
CDFW	California Department of Fish and Wildlife
CDOC	California Department of Conservation
CEQA	California Environmental Quality Act
CH_4	methane
CHRIS	California Historical Resources Information System
CMP	Conservation Management Plan
CNDDB	California Natural Diversity Database
CNEL	Community Noise Equivalent Level
CNPS	California Native Plant Society
CO	carbon monoxide
CO_2e	CO_2 equivalent
CRHR	California Register of Historical Resources
dB	decibel
dBA	A-weighted decibel
DPM	diesel particulate matter
DTSC	Department of Toxic Substances Control
EIR	environmental impact report
EPA	U.S. Environmental Protection Agency
EVWD	East Valley Water District
FEMA	Federal Emergency Management Agency
FHWA	Federal Highway Administration
FICON	Federal Interagency Committee on Noise
FTA	Federal Transit Administration
GHG	greenhouse gas
GWP	global warming potential
HARP2	Hotspots Analysis and Reporting Program Version 2

Acronym/Abbreviation	Definition
HRA	health risk assessment
HVAC	heating, ventilation, and air conditioning
I	Interstate
IPCC	Intergovernmental Panel on Climate Change
IS	Initial Study
L_{dn}	day–night average noise level
L_{eq}	equivalent noise level over a given period
LOS	level of service
LST	localized significance threshold
MND	mitigated negative declaration
MS4	Municipal Separate Storm Sewer System
MT	metric tons
N_2O	nitrous oxide
NAAQS	National Ambient Air Quality Standards
NAHC	Native American Heritage Commission
NO_2	nitrogen dioxide
NO_x	oxides of nitrogen
NPDES	National Pollution Discharge Elimination System
O_3	ozone
OEHHA	Office of Environmental Health Hazard Assessment
OPR	Office of Planning and Research
OSHA	Occupational Safety and Health Administration
PCE	passenger car equivalent
PM_{10}	particulate matter with an aerodynamic diameter less than or equal to 10 microns
$PM_{2.5}$	particulate matter with an aerodynamic diameter less than or equal to 2.5 microns
PPV	peak particle velocity
PRC	Public Resources Code
RCNM	Roadway Noise Construction Model
REL	reference exposure level
ROW	right-of-way
RTP/SCS	Regional Transportation Plan/Sustainable Communities Strategy
RWQCB	Regional Water Quality Control Board
SB	Senate Bill
SBCOG	San Bernardino Council of Governments
SBIA	San Bernardino International Airport and Trade Center
SBSD	San Bernardino County Sheriff's Department
SCAB	South Coast Air Basin
SCAG	Southern California Association of Governments
SCAQMD	South Coast Air Quality Management District
SCCIC	South Central Coast Information Center
SCE	Southern California Edison
SDSU	San Diego State University
SLF	Sacred Land Files

Acronym/Abbreviation	Definition
SO_x	sulfur oxides
SR	State Route
SWPPP	Stormwater Pollution Prevention Program
SWRCB	State Water Resources Control Board
TAC	toxic air contaminant
TCR	tribal cultural resource
USGS	U.S. Geological Survey
VMT	vehicle miles traveled
VOCs	volatile organic compounds
WQMP	Water Quality Management Plan

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1 Introduction

1.1 Project Overview

The City of Highland (City) received an application from Patriot Development Partners (project applicant) requesting the following approvals for development of the Grape Warehouse Project (project) located at 7747, 7757, 7769, and 7773 Grape Street in Highland, California:

- Conditional Use Permit (CUP 22-003)
- Design Review (DRA 22-008)
- Variance (VAR 22-003)
- Parking Reduction

The project includes design review for the construction of an approximately 90,532-square-foot, one-story industrial/warehouse facility on an approximately 4.24-acre (gross) property located in the southern part of the City. The project site is composed of four parcels (Assessor's Parcel Numbers [APNs] 1192-261-11, 1192-261-12, 1192-261-23, and 1192-261-24). In addition to the industrial/warehouse building, the project would include a landscaping area, passenger vehicle parking spaces, trailer parking spaces, and tractor-trailer loading docks.

1.2 California Environmental Quality Act Compliance

The City is the lead California Environmental Quality Act (CEQA) agency responsible for the review and approval of the proposed project. Based on the findings of the Initial Study (IS), the City has made the determination that a Mitigated Negative Declaration (MND) is the appropriate environmental document to be prepared in compliance with CEQA (California Public Resources Code, Section 21000 et seq.). As stated in CEQA Section 21064, an MND may be prepared for a project subject to CEQA when an IS has identified no potentially significant effects on the environment.

This draft Initial Study/Mitigated Negative Declaration (IS/MND) has been prepared by the City as lead agency and is in conformance with Section 15070(a) of the CEQA Guidelines (14 CCR 15000 et seq.). The purpose of the MND and the IS Checklist is to determine any potentially significant impacts associated with the proposed project and to incorporate mitigation measures into the project design, as necessary, to reduce or eliminate the significant or potentially significant effects of the project.

1.3 Public Review Process

In accordance with CEQA, a good faith effort has been made during the preparation of this IS/MND to contact affected agencies, organizations, and persons who may have an interest in this project.

In reviewing the IS/MND, affected public agencies and the interested public should focus on the sufficiency of the document in identifying and analyzing the project's possible impacts on the environment. The Draft IS/MND and related documents are available for review on City's website (https://www.cityofhighland.org/209/Public-Notices).

Comments on the IS/MND may be made in writing before the end of the public review period. Following the close of the public comment period, the City will consider this IS/MND and comments thereto in determining whether to approve the proposed project.

Written comments on the IS/MND should be sent to the following address by September 11, 2022.

City of Highland
Planning Department
27215 Base Line
Highland, California 92346
Contact: Ash Syed
Email: asyed@cityofhighland.org

1.4 Initial Study Checklist

Dudek, under the City's guidance, prepared the project's Environmental Checklist (i.e., IS) per CEQA Guidelines Sections 15063–15065. The CEQA Guidelines include a suggested checklist to indicate whether a project would have an adverse impact on the environment. The checklist is found in Section 3 of this document. Following the Environmental Checklist, Sections 3.1 through 3.21 include an explanation and discussion of each significance determination make in the checklist for the project.

For this IS/MND, the following four possible responses to each individual environmental issue area are included in the checklist:

1. Potentially Significant Impact
2. Less-than-Significant Impact with Mitigation Incorporated
3. Less-than-Significant Impact
4. No Impact

The checklist and accompanying explanation of checklist responses provide the information and analysis necessary to assess relative environmental impacts of the project. In doing so, the City will determine the extent of additional environmental review, if any, for the project.

2 Project Description

2.1 Project Location

The project site is located in the southwestern area of the City in western San Bernardino County. The City is bounded by the San Bernardino National Forest to the north and to the east, the City of Redlands to the south, and the City of San Bernardino to the west. The project site is located at 7747, 7757, 7769, and 7773 Grape Street, north of 6th Street, east of Grape Street, south of Cypress Street, and west of Victoria Avenue (Figure 1, Project Location Map).

The project site is composed of four parcels (APNs 1192-261-11, 1192-261-12, 1192-261-23, and 1192-261-24) (Figure 2, Aerial Overview). Regional access to the project area is provided by Interstate (I-) 10 to the south, I-215 to the west, and State Route (SR) 210 to the east. The site is bounded to the north, east, and west by scattered low- density residential land uses, to the south by industrial uses, along with the City boundary, the City of San Bernardino and the San Bernardino Airport located beyond the City limits.

2.2 Environmental Setting

City of Highland

The City of Highland is a mid-sized California city with approximately 55,000 residents and 18 square miles of territory. Within the City, the pattern of land use transitions from predominantly single and multi-family residential and industrial near the San Bernardino International Airport to predominately single-family residential, commercial, service and civic center uses to the north. The eastern areas of the City are mostly made up of planned development areas with various residential types, parks and open space.

Project Site

The approximately 4.24-acre rectangular-shaped project site is located at 7747, 7757, 7769, and 7773 Grape Street. The project site consists of low density single-family residential land uses. Vegetation and land covers on the project site consist of developed land and disturbed habitat.

The project site is relatively flat and generally slopes from east to west. The average site elevation is approximately 1,140 feet above mean sea level. Soils on site consist of both fill soils and native soils. Fill soils are present approximately 1 to 2.5 feet deep and classify as silty fine to medium grained sand with occasional gravel. Native soils on site classify as silty sand to slightly silty sand with some gravel with occasional cobbles.

The City's General Plan Land Use Map designates the project site as Business Park, and the project site is zoned as Business Park within the Airport Influence Zone (Figure 3, General Plan Land Use and Figure 4, Zoning).

Surrounding Land Uses

The project site is located within a developed part of the City and is surrounded by a mix of urbanized land uses. Specific land uses in the immediate project area are depicted in Table 2-1, Surrounding Land Uses.

Table 2-1. Surrounding Land Uses

Direction	Existing Use	General Plan	Zoning Designation
North	Residential uses	Business Park	Business Park
East	Residential uses	Business Park	Business Park
South	Industrial uses	Business Park	Business Park
West	Grape Street, residential uses	Low Density Residential	R-1 Single Family Residential

Note: See Figure 3, General Plan Land Use and Figure 4, Zoning.

The area south of 6th Street is within the boundary of the proposed Airport Gateway Specific Plan. The Airport Gateway Specific Plan is a public-private partnership project proposed by the Inland Valley Development Agency, a Joint Powers Authority comprised of members from the County of San Bernardino, the City of Loma Linda, the City of San Bernardino, and the City of Colton. The Airport Gateway Specific Plan encompasses 670 acres, inclusive of parcels in the City of Highland and the City of San Bernardino, that would be designated for a mix of industrial uses. The Airport Gateway Specific Plan would be bound by 6th Street to the north, 3rd Street and the San Bernardino International Airport to the south, SR-210 to the east, and Tippecanoe Avenue on the west. The proposed Airport Gateway Specific Plan would be in close proximity to the project site to the south (Figure 5, Airport Gateway Specific Plan). This project is currently undergoing environmental review.

2.3 Project Characteristics

The project would include the demolition of several existing residential structures, and construction of an approximately 90,532-square-foot (gross area, inclusive of mezzanine/office spaces), one-story warehouse building on an approximately 4.24-acre site (gross area). The warehouse building would be composed of approximately 85,532 square feet of warehouse space and 5,000 square feet of mezzanine/office space (Figure 6, Site Plan, Figure 7, Conceptual Elevations, and Figure 8, Conceptual Rendering). The warehouse building would have an approximate height of 40 feet when measured from grade. Given that the City's Municipal Code allows for a maximum height of 35 feet in the Business Park zone, a minor Variance (VAR 22-003) is being requested to accommodate the project's height. Internally, the project would have a clear height of 36 feet and would not contain any cold storage space.

Operational Characteristics

The project would support a variety of activities associated with the industrial/warehouse building, including the ingressing and egressing of passenger vehicles and trucks, the loading and unloading of trucks with designated truck courts/loading areas, and the internal and external movement of materials around the project site via forklifts, pallet jacks, yard hostlers, and similar equipment. In addition, the office space would support general internal office activities related to the industrial/warehouse uses.

On- and Off-Site Improvements

The project would also include improvements along the project's street frontage, including landscaping, fencing, and street and sidewalk improvements. A variety of trees, shrubs, and groundcovers would be planted within the project frontage's landscape setback area, within the landscape areas found around the warehouse building, and throughout the project site (Figure 9, Conceptual Landscaping Plan).

Site Access and Parking

Access to the project site would be provided by two driveways on Grape Street, which would provide access to the site, allow for circulation through the project site, and lead to internal parking spaces for both truck and passenger vehicles. The project would include a total of 70 passenger parking stalls and 12 high dock door parking stalls. A summary of passenger vehicle parking is provided in Table 2-2.

Table 2-2. Summary of Passenger Parking Stalls

Passenger Parking Stall Type	Number of Stalls
Standard	55
Van ADA	1
ADA	2
EV Van ADA	1
EV ADA	1
EV	5
Clean Air	4
Van Pool	1
Total Passenger Parking Stalls	70
Passenger Parking Stalls Required	106

Note: ADA = Americans Disability Act, EV = Electric Vehicle.

Utility Improvements

The project site is currently served by domestic water, sanitary sewer, electrical, natural gas, and telecommunication service. The project would connect to the existing facilities located on and in the immediate vicinity of the project site, as detailed in following sections.

Domestic Water

Domestic water would be provided to the project site by the East Valley Water District (EVWD). The EVWD provides domestic water for the City and for portions of both the City and County of San Bernardino. Water service is provided for residential, commercial, industrial, governmental, and landscaping purposes (City of Highland 2006). A new 2-inch water line would be installed on the western side of the project site to connect to the existing 12-inch water line within the public right-of-way (ROW) along Grape Street.

Sanitary Sewer

Highland's sewer system is maintained by the EVWD, which has joint powers with the City of San Bernardino to accept all sewage generated within the EVWD's boundaries. The sewage from Highland is treated at the San Bernardino Water Reclamation Plant (WRP), operated by the San Bernardino City Municipal Water District (City of Highland 2006). A new 6-inch sewer line would connect to the existing 8-inch sewer line within Grape Street. Future treatment will take place at the EVWD Sterling Natural Resources Plant, currently under construction at the intersection of Del Rosa Drive, between 5th and 6th Streets.

Natural Gas, Electrical Service, and Telecommunications

The Southern California Gas Company would provide natural gas service to the project site. The project would connect to a 2-inch gas line within Grape Street.

Southern California Edison would provide electric service. The project would connect to existing electrical lines within Grape Street. Existing overhead lines would be undergrounded along the project site's frontage. Telecommunication services are provided by AT&T. The project would connect to these existing facilities and would involve the undergrounding of existing overhead lines along the project site's frontage.

Storm Drainage

The project site is not currently served by storm drainage infrastructure. Under the existing conditions, the site is partially developed with existing residences. The topography of the project site slopes east to west with about 3 feet of fall. Existing runoff sheet flows westerly to Grape Street, continues south to 6th Street, and ultimately discharges to the City Creek Channel, Santa Ana River, and finally to the Prado Basin.

The project would involve the construction of a new engineered storm drain system to collect and treat on-site and off-site stormwater runoff. On-site stormwater will be collected via a series of roof drains, curbs, and gutters, and catch basins before being conveyed to an on-site underground infiltration basin located in the southeastern portion of the site. Prior to entering the infiltration basin, stormwater would be pretreated via a continuous deflection separation system, which separates and traps debris, sediment, oil, and grease from stormwater runoff. The infiltration basins would be designed to allow for stormwater flows to infiltrate into the soils. The infiltration basin would be sized to capture and infiltrate flows for a 100-year design storm, consistent with the San Bernardino County Hydraulics Manual. During an extreme storm event greater than a 100-year storm, flows would be discharged through a proposed U-Channel along the east and south sides of the project site to Grape Street, which would serve as an emergency spillway.

2.4 Project Construction and Phasing

The project applicant intends to commence construction on or around January 2023. It is anticipated that construction would take approximately 14 months, ending in February 2024. Table 2-3 provides a tentative project construction schedule, as used in air quality and greenhouse gas (GHG) emissions impact analysis (refer to Section 3.3 Air Quality, and Section 3.8, Greenhouse Gas Emissions, of this IS/MND; also see Appendix A-1, Air Quality, Greenhouse Gas Emission, and Energy Modeling Inputs and Outputs).

Table 2-3. Anticipated Project Construction Schedule

Construction Phase	Duration	Phase Start Date	Phase End Date
Demolition	4 weeks	January 2023	February 2023
Site Preparation	1 week	February 2023	February 2023
Grading	1.5 weeks	February 2023	February 2023
Building Construction	10.5 months	February 2023	January 2024
Paving	4 weeks	January 2024	February 2024
Architectural Coating	4 weeks	February 2024	February 2024

2.5 Project Approvals

The actions and/or approvals that the City needs to consider for the proposed project include, but are not limited to, the following. This list is preliminary, and may not be comprehensive:

Lead Agency Approvals

- Conditional Use Permit
- Design Review
- Variance
- Parking Reduction
- Tree Removal Permit

Subsequent non-discretionary approvals (which would require separate processing through the City) would include, but may not be limited to, a demolition permit, grading permit, building permits, and occupancy permits.

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3 Initial Study Checklist

1. **Project title:**

   Grape Street Warehouse Project

2. **Lead agency name and address:**

   City of Highland, Planning Department
   27215 Base Line
   Highland, California 92346

3. **Contact person and phone number:**

   Ash Syed
   27215 Base Line
   Highland, California 92346
   909.864.6861 Ext. 210
   909.862.3180 (Fax)
   asyed@cityofhighland.org

4. **Project location:**

   The project site is located at 7747, 7757, 7769, and 7773 Grape Street, north of 6th Street, east of Grape Street, south of Cypress Street, and west of Victoria Avenue. The project site is composed of four parcels (APNs 1192-261-11, 1192-261-12, 1192-261-23, and 1192-261-24).

5. **Project sponsor's name and address:**

   Patriot Development Partners
   12126 West Sunset Boulevard
   Los Angeles, California 90094

6. **General plan designation:**

   Business Park

7. **Zoning:**

   Business Park

8. **Description of project. (Describe the whole action involved, including but not limited to later phases of the project, and any secondary, support, or off-site features necessary for its implementation. Attach additional sheets if necessary):**

The project includes demolition of several existing residential structures and construction of an approximately 90,532-square-foot (gross area, inclusive of mezzanine/office spaces), one-story warehouse building on an approximately 4.24-acre site (gross area). The warehouse building would be composed of approximately 85,532 square feet of warehouse space and 5,000 square feet of mezzanine/office space.

9. **Surrounding land uses and setting (Briefly describe the project's surroundings):**

The project site is located within a developed part of the City and is surrounded by a mix of urbanized land uses. Specific land uses in the immediate project area include the following:

- **North**: Residential uses and Cypress Street
- **East**: Victoria Avenue, vacant parcels, industrial, religious and institutional uses
- **South**: industrial uses
- **West**: Grape Street, residential and mixed uses

10. **Other public agencies whose approval is required (e.g., permits, financing approval, or participation agreement):**

No outside public agency approvals are required.

11. **Have California Native American tribes traditionally and culturally affiliated with the project area requested consultation pursuant to Public Resources Code section 21080.3.1? If so, is there a plan for consultation that includes, for example, the determination of significance of impacts to tribal cultural resources, procedures regarding confidentiality, etc.?**

Please refer to Section 3.5, Cultural Resources, and 3.18, Tribal Cultural Resources, of this IS/MND.

Environmental Factors Potentially Affected

The environmental factors checked below would be potentially affected by this project, involving at least one impact that is a "Potentially Significant Impact," as indicated by the checklist on the following pages.

☐ Aesthetics	☐ Agriculture and Forestry Resources	☐ Air Quality
☐ Biological Resources	☐ Cultural Resources	☐ Energy
☐ Geology and Soils	☐ Greenhouse Gas Emissions	☐ Hazards and Hazardous Materials
☐ Hydrology and Water Quality	☐ Land Use and Planning	☐ Mineral Resources
☐ Noise	☐ Population and Housing	☐ Public Services
☐ Recreation	☐ Transportation	☐ Tribal Cultural Resources
☐ Utilities and Service Systems	☐ Wildfire	☐ Mandatory Findings of Significance

Determination

On the basis of this initial evaluation:

☐ I find that the proposed project COULD NOT have a significant effect on the environment, and a NEGATIVE DECLARATION will be prepared.

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

☐ I find that the proposed project MAY have a significant effect on the environment, and an ENVIRONMENTAL IMPACT REPORT is required.

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

☐ I find that although the proposed project could have a significant effect on the environment, because all potentially significant effects (a) have been analyzed adequately in an earlier ENVIRONMENTAL IMPACT REPORT or NEGATIVE DECLARATION pursuant to applicable standards, and (b) have been avoided or mitigated pursuant to that earlier ENVIRONMENTAL IMPACT REPORT or NEGATIVE DECLARATION, including revisions or mitigation measures that are imposed upon the proposed project, nothing further is required.

Signature

8/16/2022

Date

Evaluation of Environmental Impacts

1. A brief explanation is required for all answers except "No Impact" answers that are adequately supported by the information sources a lead agency cites in the parentheses following each question. A "No Impact" answer is adequately supported if the referenced information sources show that the impact simply does not apply to projects like the one involved (e.g., the project falls outside a fault rupture zone). A "No Impact" answer should be explained where it is based on project-specific factors as well as general standards (e.g., the project will not expose sensitive receptors to pollutants, based on a project-specific screening analysis).
2. All answers must take account of the whole action involved, including off-site as well as on-site, cumulative as well as project-level, indirect as well as direct, and construction as well as operational impacts.
3. Once the lead agency has determined that a particular physical impact may occur, then the checklist answers must indicate whether the impact is potentially significant, less than significant with mitigation, or less than significant. "Potentially Significant Impact" is appropriate if there is substantial evidence that an effect may be significant. If there are one or more "Potentially Significant Impact" entries when the determination is made, an Environmental Impact Report (EIR) is required.
4. "Negative Declaration: Less Than Significant With Mitigation Incorporated" applies where the incorporation of mitigation measures has reduced an effect from "Potentially Significant Impact" to a "Less Than Significant Impact." The lead agency must describe the mitigation measures, and briefly explain how they reduce the effect to a less than significant level (mitigation measures from "Earlier Analyses," as described in (5) below, may be cross-referenced).
5. Earlier analyses may be used where, pursuant to the tiering, program EIR, or other CEQA process, an effect has been adequately analyzed in an earlier EIR or negative declaration. Section 15063(c)(3)(D). In this case, a brief discussion should identify the following:
   a. Earlier Analysis Used. Identify and state where they are available for review.
   b. Impacts Adequately Addressed. Identify which effects from the above checklist were within the scope of and adequately analyzed in an earlier document pursuant to applicable legal standards, and state whether such effects were addressed by mitigation measures based on the earlier analysis.
   c. Mitigation Measures. For effects that are "Less Than Significant With Mitigation Measures Incorporated," describe the mitigation measures which were incorporated or refined from the earlier document and the extent to which they address site-specific conditions for the project.
6. Lead agencies are encouraged to incorporate into the checklist references to information sources for potential impacts (e.g., general plans, zoning ordinances). Reference to a previously prepared or outside document should, where appropriate, include a reference to the page or pages where the statement is substantiated.
7. Supporting Information Sources: A source list should be attached, and other sources used or individuals contacted should be cited in the discussion.
8. This is only a suggested form, and lead agencies are free to use different formats; however, lead agencies should normally address the questions from this checklist that are relevant to a project's environmental effects in whatever format is selected.
9. The explanation of each issue should identify:
   a. The significance criteria or threshold, if any, used to evaluate each question; and
   b. The mitigation measure identified, if any, to reduce the impact to less than significance

3.1 Aesthetics

		Potentially Significant Impact	Less Than Significant Impact With Mitigation Incorporated	Less Than Significant Impact	No Impact
I.	**AESTHETICS** – Except as provided in Public Resources Code Section 21099, would the project:				
a)	Have a substantial adverse effect on a scenic vista?	☐	☐	☐	☒
b)	Substantially damage scenic resources, including, but not limited to, trees, rock outcroppings, and historic buildings within a state scenic highway?	☐	☐	☐	☒
c)	In non-urbanized areas, substantially degrade the existing visual character or quality of public views of the site and its surroundings? (Public views are those that are experienced from publicly accessible vantage point). If the project is in an urbanized area, would the project conflict with applicable zoning and other regulations governing scenic quality?	☐	☐	☒	☐
d)	Create a new source of substantial light or glare which would adversely affect day or nighttime views in the area?	☐	☐	☒	☐

a) Would the project have a substantial adverse effect on a scenic vista?

No Impact. Scenic vistas and other important visual resources are typically associated with natural landforms such as mountains, foothills, ridgelines, and coastlines. The project site is located within in an area with generally flat terrain near the San Bernardino International Airport. Major scenic vistas that are visible from the project site are the San Bernardino and San Gabriel Mountain ranges. They are located approximately 4 miles northeast and 25 miles northwest of the project site, respectively. The City of Highland's General Plan aims to preserve the views of the San Bernardino Mountains and stretches of open space along City Creek and the Santa Ana River (City of Highland 2006). The project site is located 1.8 miles away from the nearest stretches of open space along City Creek and the Santa Ana River. Based on these distances, as well as the presence of existing intervening natural topographical variations and human-made urban features, the project site is not located within the direct viewshed of these scenic vistas. Overall, the project site is located well outside the viewshed of any scenic vistas or other important visual resources. Therefore, no impacts associated with scenic vistas would occur.

b) Would the project substantially damage scenic resources, including, but not limited to, trees, rock outcroppings, and historic buildings within a state scenic highway?

No Impact. Scenic highways and routes are a unique component of the circulation system, as they traverse areas of unusual scenic or aesthetic value. The closest officially designated State Scenic Highway is

California SR 38, located 22 miles east of the project site (Caltrans 2018). Based on this distance and intervening natural topography and human-made development, the project site is not located within the viewshed of this officially designated state scenic highway. Therefore, no impacts associated with state scenic highways would occur.

c) ***In non-urbanized areas, would the project substantially degrade the existing visual character or quality of public views of the site and its surroundings? (Public views are those that are experienced from publicly accessible vantage point). If the project is in an urbanized area, would the project conflict with applicable zoning and other regulations governing scenic quality?***

Less-than-Significant Impact. Visual character describes the aesthetic setting of a project area. The project is located within an urbanized area of the City and is surrounded by similar light industrial/business park land uses. Section 20171 of the California Public Resources Code defines an "urbanized area" as "an incorporated city that meets either of the following criteria: (1) Has a population of at least 100,000 persons, or (2) Has a population of less than 100,000 persons if the population of that city and not more than two contiguous incorporated cities combined equals at least 100,000 persons." As of January 1, 2021, the California Department of Finance estimated the population of Highland to be 55,060 persons (DOF 2021). However, because the City of Highland is bordered by the City of San Bernardino, which has a population that exceeds 100,000 persons, regarding the determination of significance under this threshold, the project would be considered to result in a significant adverse impact if the project design would conflict with applicable zoning and other regulations governing scenic quality. The proposed project would be consistent with the designated business park zoning per the City's Zoning Map.

To ensure that both current and future development within the City is designed and constructed to conform to existing visual character and quality of the surrounding built environment, the City's Municipal Code includes design standards related to building size, height, and setbacks, as well as landscaping, signage, and other visual considerations. The project is consistent with all applicable regulations outlined in the City's Municipal Code related to scenic quality with the exception of Section 16.24.040, which states that building heights are not to exceed 35 feet within the Business Park zone. The proposed warehouse building would have an approximate height of 40 feet. Given that the City's Municipal Code allows for a maximum height of 35 feet in the Business Park Zone, a minor Variance (VAR 22-003) is being requested to accommodate the project's height. This request for additional height is consistent with other industrial uses in the vicinity. With approval of the minor variance, the project would not conflict with the City's Municipal Code.

The project would be required to apply for a design review by the City's planning commission. This design review is intended to ensure that the proposed project would not interfere with existing or future development within the City, and to ensure the project is consistent with the applicable elements of the general plan. Views of utilitarian project components, such as loading areas and mechanical equipment, would be screened from public view to the maximum extent practicable through the project's site plan design. Parkway and setback landscape areas along the public ROW would soften views of the project site and enhance the visual quality of the project.

These project components, as well as the City's review of the project's design, would ensure that the project would not degrade the existing visual character and quality of the area. Therefore, impacts would be less than significant.

d) ***Would the project create a new source of substantial light or glare which would adversely affect day or nighttime views in the area?***

Short-Term Construction Impacts

No Impact. In accordance with the City's Municipal Code Section 8.50.050, Controlled Hours of Operation, construction hours are limited to between the hours of 7:00 a.m. and 10:00 p.m. However, the project's proximity to sensitive receptors would limit construction from 7:00 a.m. to 6:00 p.m. (see Section 3.13, Noise, for more details). As such, project construction would be limited to daytime hours and nighttime lighting would not be required until the project is operational. Therefore, no short-term construction impacts associated with light and glare would occur.

Long-Term Operational Impacts

Less-than-Significant Impact. Consistent with Section 16.40.160 of the City's Development Code, all lighting used on the project site is required to be directed and/or shielded to prevent the light from adversely affecting adjacent parcels, and no structures or features that create adverse glare effects are permitted. Thus, all exterior lighting would be shielded/hooded to prevent light trespass onto nearby properties. A Photometrics Plan, prepared by a certified engineer, must be approved by the Planning Commission in conjunction with the Conditional Use Permit. Additionally, the project would use a variety of non-reflective materials, and although some new reflective improvements (i.e., windows and building front treatments) would be introduced onto the project site, the project as a whole would not be considered a source of glare in the project area. Therefore, long-term impacts associated with light and glare would be less than significant.

3.2 Agriculture and Forestry Resources

	Potentially Significant Impact	Less Than Significant Impact With Mitigation Incorporated	Less Than Significant Impact	No Impact
II. **AGRICULTURE AND FORESTRY RESOURCES** – In determining whether impacts to agricultural resources are significant environmental effects, lead agencies may refer to the California Agricultural Land Evaluation and Site Assessment Model (1997) prepared by the California Dept. Conservation as an optional model to use in assessing impacts on agriculture and farmland. In determining whether impacts to forest resources, including timberland, are significant environmental effects, lead agencies may refer to information compiled by the California Department of Forestry and Fire Protection regarding the state's inventory of forest land, including the Forest and Range Assessment Project and the Forest Legacy Assessment project; and forest carbon measurement methodology provided in Forest Protocols adopted by the California Air Resources Board. Would the project:				
a) Convert Prime Farmland, Unique Farmland, or Farmland of Statewide Importance (Farmland), as shown on the maps prepared pursuant to the Farmland Mapping and Monitoring Program of the California Resources Agency, to non-agricultural use?	☐	☐	☐	☒
b) Conflict with existing zoning for agricultural use, or a Williamson Act contract?	☐	☐	☐	☒

	Potentially Significant Impact	Less Than Significant Impact With Mitigation Incorporated	Less Than Significant Impact	No Impact
c) Conflict with existing zoning for, or cause rezoning of, forest land (as defined in Public Resources Code section 12220(g)), timberland (as defined by Public Resources Code section 4526), or timberland zoned Timberland Production (as defined by Government Code section 51104(g))?	☐	☐	☐	☒
d) Result in the loss of forest land or conversion of forest land to non-forest use?	☐	☐	☐	☒
e) Involve other changes in the existing environment which, due to their location or nature, could result in conversion of Farmland, to non-agricultural use or conversion of forest land to non-forest use?	☐	☐	☐	☒

a) ***Would the project convert Prime Farmland, Unique Farmland, or Farmland of Statewide Importance (Farmland), as shown on the maps prepared pursuant to the Farmland Mapping and Monitoring Program of the California Resources Agency, to non-agricultural use?***

No Impact. The project site currently consists of developed and vacant land and is not used for agricultural purposes. The General Plan designates the land use at the site as Business Park and the City's Zoning Map identifies the site as Business Park (City of Highland 2006; City of Highland 2012). According to the California Department of Conservation Important Farmland Finder (CDOC 2016), the project site is identified as "Urban and Built-Up Land". The project site does not contain Prime Farmland, Unique Farmland, or Farmland of Statewide Importance (collectively, "Important Farmland"). The project would not occur within any farmland locations and would not result in the conversion of Prime or Unique Farmland or Farmland of Statewide Importance. Therefore, no impacts associated with the conversion of Important Farmland would occur.

b) ***Would the project conflict with existing zoning for agricultural use, or a Williamson Act contract?***

No Impact. Refer to Section 3.2(a).

c) ***Would the project conflict with existing zoning for, or cause rezoning of, forest land (as defined in Public Resources Code section 12220(g)), timberland (as defined by Public Resources Code section 4526), or timberland zoned Timberland Production (as defined by Government Code section 51104(g))?***

No Impact. Refer to Section 3.2(a). The project site is zoned as Business Park and is located within a developed area. There are no areas zoned for forest land within the vicinity of the project site. Therefore, no impacts associated with forest land would occur.

d) Would the project result in the loss of forest land or conversion of forest land to non-forest use?

No Impact. Refer to Section 3.2(c). The proposed project would not involve the conversion of forest land to non-forest use. Therefore, no impact with forest land would occur.

e) Would the project involve other changes in the existing environment which, due to their location or nature, could result in conversion of Farmland, to non-agricultural use or conversion of forest land to non-forest use?

No Impact. Refer to Section 3.2(a). The project site is zoned as Business Park and is located within a developed area. Further, no off-site improvement associated with the project would result in changes to other properties designated as Farmland or forest land. There are no areas zoned for agricultural use or identified as forest land within the vicinity of the project site. Therefore, no impacts associated with forest land would occur.

3.3 Air Quality

	Potentially Significant Impact	Less Than Significant Impact With Mitigation Incorporated	Less Than Significant Impact	No Impact
III. AIR QUALITY – Where available, the significance criteria established by the applicable air quality management district or air pollution control district may be relied upon to make the following determinations. Would the project:				
a) Conflict with or obstruct implementation of the applicable air quality plan?	☐	☐	☒	☐
b) Result in a cumulatively considerable net increase of any criteria pollutant for which the project region is non-attainment under an applicable federal or state ambient air quality standard?	☐	☐	☒	☐
c) Expose sensitive receptors to substantial pollutant concentrations?	☐	☒	☐	☐
d) Result in other emissions (such as those leading to odors) adversely affecting a substantial number of people?	☐	☐	☒	☐

a) Would the project conflict with or obstruct implementation of the applicable air quality plan?

Less-than-Significant Impact. The project site is located within the South Coast Air Basin (SCAB), which includes the non-desert portions of Los Angeles, Riverside, San Bernardino Counties, and all of Orange County, and is within the jurisdictional boundaries of the South Coast Air Quality Management District (SCAQMD).

SCAQMD administers SCAB's Air Quality Management Plan (AQMP), which is a comprehensive document outlining an air pollution control program for attaining the California Ambient Air Quality Standards (CAAQS) and National Ambient Air Quality Standards (NAAQS). The most recently adopted AQMP for SCAB is the

2016 AQMP (SCAQMD 2017).[1] The 2016 AQMP focuses on available, proven, and cost-effective alternatives to traditional air quality strategies while seeking to achieve multiple goals in partnership with other entities seeking to promote reductions in GHGs and toxic risk, as well as efficiencies in energy use, transportation, and goods movement (SCAQMD 2017).

The purpose of a consistency finding with regard to the AQMP is to determine if a project is consistent with the assumptions and objectives of the 2016 AQMP and if it would interfere with the region's ability to comply with federal and state air quality standards. SCAQMD has established criteria for determining consistency with the currently applicable AQMP in Chapter 12, Sections 12.2 and 12.3, of the SCAQMD CEQA Air Quality Handbook. These criteria are as follows (SCAQMD 1993):

- **Consistency Criterion No. 1:** Whether the project would result in an increase in the frequency or severity of existing air quality violations, cause or contribute to new violations, or delay timely attainment of the ambient air quality standards or interim emission reductions in the AQMP.
- **Consistency Criterion No. 2:** Whether the project would exceed the assumptions in the AQMP or increments based on the year of project buildout and phase.

To address the first criterion, project-generated criteria air pollutant emissions have been estimated and analyzed for significance and are addressed under Section 3.3(b). Detailed results of this analysis are included in Appendix A-1. As presented in Section 3.3(b), the project would not generate construction or operational criteria air pollutant emissions that exceed the SCAQMD's thresholds, and the project would therefore be consistent with Criterion No. 1.

The second criterion regarding the potential of the project to exceed the assumptions in the AQMP or increments based on the year of project buildout and phase is primarily assessed by determining consistency between the project's land use designations and its potential to generate population growth. In general, projects are considered consistent with, and not in conflict with or obstructing implementation of, the AQMP if the growth in socioeconomic factors is consistent with the underlying regional plans used to develop the AQMP (SCAQMD 1993). The SCAQMD primarily uses demographic growth forecasts for various socioeconomic categories (e.g., population, housing, and employment by industry) developed by SCAG for its 2016–2040 Regional Transportation Plan/Sustainable Communities Strategy (RTP/SCS) (SCAG 2016). SCAQMD uses this document, which is based on general plans for cities and counties in the SCAB, to develop the AQMP emissions inventory (SCAQMD 2017a).[2] The SCAG RTP/SCS and associated Regional Growth Forecast are generally consistent with the local plans; therefore, the 2016 AQMP is generally consistent with local government plans.

The City's Zoning Map designates the project site as Business Park (BP). According to Section 16.24.020 (A), the primary purpose of the BP District is to provide appropriate regulations and suitable locations for light industrial, research and development, and office-based firms seeking pleasant and attractive working

1 The SCAQMD has initiated the development of the 2022 AQMP to address the attainment of the 2015 8-hour ozone standard (70 parts per billion) for the SCAB and the Coachella Valley. Preliminary rule development for the 2022 AQMP is expected to begin in July 2021 including control measures developed through Residential and Commercial Buildings and Mobile Source Working Groups.

2 Information necessary to produce the emissions inventory for SCAB is obtained from the SCAQMD and other governmental agencies, including the California Air Resources Board (CARB), California Department of Transportation, and SCAG. Each of these agencies is responsible for collecting data (e.g., industry growth factors, socioeconomic projections, travel activity levels, emission factors, emission speciation profile, and emissions) and developing methodologies (e.g., model and demographic forecast improvements) required to generate a comprehensive emissions inventory. SCAG incorporates these data into its Travel Demand Model for estimating/projecting vehicle miles traveled and driving speeds. SCAG's socioeconomic and transportation activities projections in their 2016–2040 RTP/SCS are integrated in the 2016 AQMP (SCAQMD 2017a).

environments, and for business support services and commercial uses requiring large parcels (City of Highland 2021). The Municipal Code identifies Warehousing and Wholesaling as permitted, subject to a conditional use permit application (City of Highland 2021). Therefore, the project would be consistent with the existing zoning of the project site and does not propose a change in land use designation. As such, since the proposed project is not anticipated to result in residential population growth or generate an increase in employment that would conflict with existing employment-population projections, it would not conflict with or exceed the assumptions in the 2016 AQMP. Accordingly, the project is consistent with the SCAG RTP/SCS forecasts used in development of the SCAQMD AQMP.

In summary, based on the considerations presented for the two criteria, impacts relating to the project's potential to conflict with or obstruct implementation of the applicable AQMP would be less than significant.

b) ***Would the project result in a cumulatively considerable net increase of any criteria pollutant for which the project region is non-attainment under an applicable federal or state ambient air quality standard?***

Less-than-Significant Impact. Air pollution is largely a cumulative impact. The nonattainment status of regional pollutants is a result of past and present development, and the SCAQMD develops and implements plans for future attainment of ambient air quality standards. Based on these considerations, project-level thresholds of significance for criteria pollutants are used to determine whether a project's individual emissions would have a cumulatively considerable contribution to air quality. If a project's emissions would exceed the SCAQMD significance thresholds, it would be considered to have a cumulatively considerable contribution. Conversely, projects that do not exceed the project-specific thresholds are generally not considered to be cumulatively significant (SCAQMD 2003a).

A quantitative analysis was conducted to determine whether the project might result in emissions of criteria air pollutants that may cause exceedances of the NAAQS or CAAQS or cumulatively contribute to existing nonattainment of ambient air quality standards. Criteria air pollutants include ozone (O_3), nitrogen dioxide (NO_2), carbon monoxide (CO), sulfur dioxide, particulate matter with an aerodynamic diameter less than or equal to 10 microns (PM_{10}), particulate matter with an aerodynamic diameter less than or equal to 2.5 microns ($PM_{2.5}$), and lead. Pollutants that are evaluated herein include volatile organic compounds (VOCs) and oxides of nitrogen (NO_x), which are important because they are precursors to O_3, as well as CO, sulfur oxides (SO_x), PM_{10}, and $PM_{2.5}$.

Regarding NAAQS and CAAQS attainment status,[3] the SCAB is designated as a nonattainment area for federal and state O_3 and $PM_{2.5}$ standards (CARB 2019; EPA 2020a). The SCAB is also designated as a nonattainment area for state PM_{10} standards; however, it is designated as an attainment area for federal PM_{10} standards. The SCAB is designated as an attainment area for federal and state CO and NO_2 standards, as well as for state sulfur dioxide standards. Although the SCAB has been designated as nonattainment for the federal rolling 3-month average lead standard, it is designated attainment for the state lead standard.[4]

3 An area is designated as in attainment when it is in compliance with the NAAQS and/or the CAAQS. These standards for the maximum level of a given air pollutant that can exist in the outdoor air without unacceptable effects on human health or the public welfare are set by the EPA and CARB, respectively. Attainment = meets the standards; attainment/maintenance = achieves the standards after a nonattainment designation; nonattainment = does not meet the standards.

4 Re-designation of the lead NAAQS designation to attainment for the Los Angeles County portion of the SCAB is expected based on current monitoring data. The phase-out of leaded gasoline started in 1976. Since gasoline no longer contains lead, the project is not anticipated to result in impacts related to lead; therefore, it is not discussed in this analysis.

The project would result in emissions of criteria air pollutants for which the California Air Resources Board (CARB) and U.S. Environmental Protection Agency (EPA) have adopted ambient air quality standards (i.e., the NAAQS and CAAQS). Projects that emit these pollutants have the potential to cause, or contribute to, violations of these standards. The SCAQMD CEQA Air Quality Significance Thresholds, as revised in April 2019, set forth quantitative emission significance thresholds for criteria air pollutants, which, if exceeded, would indicate the potential for a project to contribute to violations of the NAAQS or CAAQS. Table 3.3-1 lists the revised SCAQMD Air Quality Significance Thresholds (SCAQMD 2019).

Table 3.3-1. South Coast Air Quality Management District Air Quality Significance Thresholds

Criteria Pollutants Mass Daily Thresholds		
Pollutant	**Construction (Pounds per Day)**	**Operation (Pounds per Day)**
VOCs	75	55
NO_x	100	55
CO	550	550
SO_x	150	150
PM_{10}	150	150
$PM_{2.5}$	55	55
Lead[a]	3	3
TACs and Odor Thresholds		
TACs[b]	Maximum incremental cancer risk ≥10 in 1 million Cancer Burden >0.5 excess cancer cases (in areas ≥1 in 1 million) Chronic and acute hazard index ≥1.0 (project increment)	
Odor	Project creates an odor nuisance pursuant to SCAQMD Rule 402	

Source: SCAQMD 2019.
Notes: VOC = volatile organic compounds; NO_x = oxides of nitrogen; CO = carbon monoxide; SO_x = sulfur oxides; PM_{10} = coarse particulate matter; $PM_{2.5}$ = fine particulate matter; TAC = toxic air contaminant; SCAQMD = South Coast Air Quality Management District.
GHG emissions thresholds for industrial projects, as added in the March 2015 revision to the SCAQMD Air Quality Significance Thresholds, were not include included in this table as they are addressed within the GHG emissions analysis and not the air quality analysis.
[a] The phase out of leaded gasoline started in 1976. Since gasoline no longer contains lead, the project is not anticipated to result in impacts related to lead; therefore, it is not discussed in this analysis.
[b] TACs include carcinogens and noncarcinogens.

The project would result in a cumulatively considerable net increase for O_3, which is a nonattainment pollutant, if the project's construction or operational emissions would exceed the SCAQMD VOC or NO_x thresholds shown in Table 3.3-1. These emission-based thresholds for O_3 precursors are intended to serve as a surrogate for an O_3 significance threshold (i.e., the potential for adverse O_3 impacts to occur) because O_3 itself is not emitted directly, and the effects of an individual project's emissions of O_3 precursors (i.e., VOCs and NO_x) on O_3 levels in ambient air cannot be determined through air quality models or other quantitative methods.

The California Emissions Estimator Model (CalEEMod) Version 2020.4.0 was used to estimate emissions from construction and operation of the project, with the exception of operational mobile source emissions.[5] The following discussion quantitatively evaluates project-generated construction and operational emissions and impacts that would result from implementation of the project.

[5] CalEEMod is a statewide computer model developed in cooperation with air districts throughout the state to quantify criteria air pollutant emissions associated with construction and operational activities from a variety of land use projects, including warehouses.

Construction Emissions

Construction of the project would result in the temporary addition of pollutants to the local airshed caused by on-site sources (e.g., off-road construction equipment, soil disturbance, and VOC off-gassing from architectural coatings and asphalt pavement application) and off-site sources (e.g., vendor trucks, haul trucks, and worker vehicle trips). Specifically, entrained dust results from the exposure of earth surfaces to wind from the direct disturbance and movement of soil, resulting in PM_{10} and $PM_{2.5}$ emissions. Internal combustion engines used by construction equipment, haul trucks, vendor trucks (i.e., delivery trucks), and worker vehicles would result in emissions of VOC, NO_x, CO, PM_{10}, and $PM_{2.5}$. Construction emissions can vary substantially from day to day depending on the level of activity, the specific type of operation, and, for dust, the prevailing weather conditions.

Emissions from the construction phase of the project were estimated using CalEEMod default values. For the purpose of conservatively estimating project emissions, construction was modeled beginning in January 2023 and concluding in February 2024[6] and lasting approximately 14 months. As a result of demolition, 13,000 cubic yards of debris were estimated to be exported from the site. The analysis contained herein is based on the following schedule assumptions (duration of phases is approximate):

- Demolition: 4 weeks (January 2023)
- Site preparation: 1 week (February 2023)
- Grading: 1.5 weeks (February 2023)
- Building construction: 10.5 months (February 2023–January 2024)
- Paving: 4 weeks (January 2024)
- Application of architectural coatings: 4 weeks (February 2024)

Construction modeling assumptions for equipment and vehicles are provided in Table 3.3-2. Equipment mix and horsepower were based on CalEEMod default values, including equipment load factor. The site would require the import of approximately 9,422 cubic yards of earthwork materials to balance the site during the grading phase. For the analysis, it was generally assumed that heavy-duty construction equipment would be operating at the site 5 days per week.

Table 3.3-2. Construction Scenario Assumptions

	One-Way Vehicle Trips			Equipment		
Construction Phase	Average Daily Worker Trips	Average Daily Vendor Truck Trips	Total Haul Truck Trips	Equipment Type	Quantity	Usage Hours
Demolition	16	4	60	Concrete/Industrial Saws	1	8
				Excavators	3	8
				Rubber Tired Dozers	2	8
Site Preparation	18	4	0	Rubber Tired Dozers	3	8
				Tractors/Loaders/Backhoes	4	8

6 The analysis assumes a construction start date of January 2023, which represents the earliest date construction would initiate. Assuming the earliest start date for construction represents the worst-case scenario for criteria air pollutant and GHG emissions, because equipment and vehicle emission factors for later years would be slightly less due to more stringent standards for in-use off-road equipment and heavy-duty trucks, as well as fleet turnover replacing older equipment and vehicles in later years.

Table 3.3-2. Construction Scenario Assumptions

Construction Phase	One-Way Vehicle Trips			Equipment		
	Average Daily Worker Trips	Average Daily Vendor Truck Trips	Total Haul Truck Trips	Equipment Type	Quantity	Usage Hours
Grading	16	4	932	Excavators	1	8
				Graders	1	8
				Rubber Tired Dozers	1	8
				Tractors/Loaders/Backhoes	3	8
Building Construction	78	30	0	Cranes	1	7
				Forklifts	3	8
				Generator Sets	1	8
				Tractors/Loaders/Backhoes	3	7
				Welders	1	8
Paving	20	0	0	Pavers	2	8
				Paving Equipment	2	8
				Rollers	2	8
Architectural Coating	16	0	0	Air Compressors	1	6

Emissions generated during construction (and operation) of the project are subject to the rules and regulations of the SCAQMD. Rule 403, Fugitive Dust, requires the implementation of measures to control the emission of visible fugitive/nuisance dust, such as wetting soils that would be disturbed. It was assumed that the active sites would be watered at least two times daily in compliance with requirements of SCAQMD standard dust control measures in Rule 403. The application of architectural coatings, such as exterior/interior paint and other finishes, and the application of asphalt pavement would also produce VOC emissions; however, the contractor is required to procure architectural coatings that comply with the requirements of SCAQMD's Rule 1113, Architectural Coatings.[7]

Table 3.3-3 shows the estimated maximum daily construction emissions associated with the construction phase of the project.

Table 3.3-3. Estimated Maximum Daily Construction Criteria Air Pollutant Emissions

Year	VOC	NO_x	CO	SO_x	PM_{10}	$PM_{2.5}$
	Pounds Per Day					
2023	2.73	31.60	20.40	0.10	10.34	5.77
2024	47.93	14.74	19.33	0.04	1.69	0.87

7 SCAQMD Rule 1113, Architectural Coatings, requires manufacturers, distributors, and end users of architectural and industrial maintenance coatings to reduce VOC emissions from the use of these coatings, primarily by placing limits on the VOC content of various coating categories.

Table 3.3-3. Estimated Maximum Daily Construction Criteria Air Pollutant Emissions

Year	VOC	NO_x	CO	SO_x	PM_{10}	$PM_{2.5}$
	Pounds Per Day					
SCAQMD Threshold	*75*	*100*	*550*	*150*	*150*	*55*
Threshold Exceeded?	No	No	No	No	No	No

Source: Appendix A-1.
Notes: VOC = volatile organic compound; NO_x = oxides of nitrogen; CO = carbon monoxide; SO_x = sulfur oxides; PM_{10} = coarse particulate matter; $PM_{2.5}$ = fine particulate matter; SCAQMD = South Coast Air Quality Management District.
The values shown are the maximum summer or winter daily emissions results from CalEEMod.
These estimates reflect control of fugitive dust required by SCAQMD Rule 403.

As shown in Table 3.3-3, daily construction emissions would not exceed the SCAQMD significance thresholds for VOC, NO_x, CO, SO_x, PM_{10}, or $PM_{2.5}$ during project construction, and short-term construction impacts would be less than significant.

Operational Emissions

Emissions from the operational phase of the project and operation of existing land uses were estimated using CalEEMod. Operational year 2024 was assumed following completion of construction. The analysis includes emissions netting to account for the existing site land uses which include four single family residences.

Area Sources

CalEEMod was used to estimate operational emissions from area sources, including emissions from consumer product use, architectural coatings, and landscape maintenance equipment. Emissions associated with natural gas usage in space heating and water heating are calculated in the building energy use module of CalEEMod, as described in the following text.

Consumer products are chemically formulated products used by household and institutional consumers, including detergents; cleaning compounds; polishes; floor finishes; cosmetics; personal care products; home, lawn, and garden products; disinfectants; sanitizers; aerosol paints; and automotive specialty products. Other paint products, furniture coatings, or architectural coatings are not considered consumer products (CAPCOA 2017). Consumer product VOC emissions were estimated in CalEEMod based on the floor area of buildings and default factor of pounds of VOC per building square foot per day. The CalEEMod default values for consumer products were assumed.

VOC off-gassing emissions result from evaporation of solvents contained in surface coatings, such as in paints and primers used during building maintenance. CalEEMod calculates the VOC evaporative emissions from the application of surface coatings based on the VOC emission factor, the building square footage, the assumed fraction of surface area, and the reapplication rate. The VOC emissions factor is based on the VOC content of the surface coatings, and SCAQMD's Rule 1113, Architectural Coatings, governs the VOC content for interior and exterior coatings. This rule requires manufacturers, distributors, and end users of architectural and industrial maintenance coatings to reduce VOC emissions from the use of these coatings, primarily by placing limits on the VOC content of various coating categories (SCAQMD 2016). CalEEMod default values were assumed, including the surface area to be painted, the VOC content of architectural coatings, and the reapplication rate of 10% of area per year.

Landscape maintenance includes fuel combustion emissions from equipment such as lawn mowers, rototillers, shredders/grinders, blowers, trimmers, chainsaws, and hedge trimmers. The emissions associated with landscape equipment use were estimated based on CalEEMod default values for emission factors (grams per square foot of building space per day) and number of summer days (when landscape maintenance would generally be performed) and winter days.

Mobile Sources

Following the completion of construction activities, the Project would generate criteria pollutant emissions from mobile sources (vehicular traffic) as a result of employees and visitors of the project. Based on the trip generation for the project (as shown in Section 3.17), there would be 155 total vehicle trips per day, 43 of which are trucks and 112 are passenger cars. The truck breakdown by axle was also taken from the SCAQMD Warehouse Truck Trip Study Data Results and Usage, July 2014. CalEEMod was used to estimate emissions from proposed vehicular sources (refer to Attachment A-1). CalEEMod default data, trip characteristics, variable start information, and emissions factors, were conservatively used for the model inputs. Project-related traffic was assumed to include a mixture of vehicles in accordance with the associated use (as discussed below), as modeled within CalEEMod, which is based on the California Air Resources Board (CARB) EMFAC2017 model. Emission factors representing the vehicle mix and emissions for 2024 were used to estimate emissions associated with vehicular sources. Two land uses in CalEEMod were used to model emissions from mobile sources. The "unrefrigerated warehouse-no rail" land use was used to model trucks and the "unrefrigerated warehouse- rail" was used to model passenger cars. The trip rates (as stated above) were apportioned to each land use accordingly. The fleet mix for trucks was determined based off the SCAQMD Warehouse study and included the following vehicle categories: 2-axle trucks (50% LHD1 and 50% LHD2), 3-axle trucks (MHD), and 4-axle trucks (HHD). The fleet mix for passenger vehicles was assumed consistent with the EMFAC fleet mix for the air basin for the following vehicle categories: LDA, LDT1, and LDT2. Vehicle trip lengths were assumed to be 40 miles for truck trips (in accordance with SCAQMD guidance) and the CalEEMod defaults for passenger car trips.

On May 7, 2021, the SCAQMD adopted the Warehouse Indirect Source Rule, Rule 2305. Rule 2305 was adopted to facilitate local and regional emission reductions associated with existing and new warehouses with an indoor warehouse floor space equal to or greater than 100,000 square feet within a single building and the mobile sources associated with these warehouses. Under Rule 2305, operators of applicable existing and new warehouses are subject to an annual Warehouse Actions and Investments to Reduce Emissions Points Compliance Obligation intended to reduce regional and local emissions from warehouse indirect sources. Based on the approximately 90,540-square-foot warehouse building proposed for the project, Rule 2305 would not be applicable to the project.

Off-Road Equipment (Forklifts)

The exact operational off-road equipment is unknown at this time; however, in a good faith effort to include anticipated forklifts, forklifts were estimated based on the warehouse square footage and the SCAQMD study, as described below.

The SCAQMD published a summary of operational survey results from 34 operating high-cube warehouses (SCAQMD 2014). The SCAQMD survey reported an average of 0.12 forklifts/pallet jacks per 1,000 square feet of building area, which was applied to the project. Note that this estimate is for total forklifts and pallet jacks. Pallet jacks are small as they are primarily used to lift small loads in tight quarters (and are electric

or manual); therefore, assuming all pieces of equipment are forklifts is conservative. For the project, total of 11 forklifts the forklifts were modeled as compressed natural gas (CNG). All 11 forklifts were assumed to operate 8 hours per day and 7 days per week at the project site. CalEEMod was used to estimate emissions from diesel powered forklifts while a spreadsheet model was used to estimate the energy consumption and GHG emissions from the electric forklifts, see Appendix A-1.

Table 3.3-4 presents the maximum daily emissions associated with operation of the project in 2024 at buildout. The values shown are the maximum summer and winter daily emissions results from CalEEMod. Complete details of the emissions calculations are provided in Appendix A-1.

Table 3.3-4. Estimated Maximum Daily Operation Criteria Air Pollutant Emissions

Emissions Source	VOC	NO_x	CO	SO_x	PM_{10}	$PM_{2.5}$
	Pounds per Day					
Proposed Project						
Area	2.06	<0.01	0.02	0.00	<0.01	<0.01
Energy	<0.01	0.05	0.04	<0.01	<0.01	<0.01
Mobile	0.34	7.52	5.45	0.05	3.00	0.87
Off-road (Forklifts)	1.13	14.85	25.18	0.04	0.45	0.42
Total	**3.52**	**22.45**	**30.69**	**0.09**	**3.46**	**1.29**
Existing Land Uses						
Area	1.21	0.09	2.36	0.01	0.31	0.31
Energy	<0.01	0.03	0.01	<0.01	<0.01	<0.01
Mobile	0.03	0.16	1.23	<0.01	0.28	0.08
Total	1.34	0.28	3.61	0.01	0.59	0.39
Net Emissions = Proposed - Existing	**2.18**	**22.17**	**27.08**	**0.08**	**2.87**	**0.90**
SCAQMD Threshold	*55*	*55*	*550*	*150*	*150*	*55*
Threshold Exceeded?	No	No	No	No	No	No

Notes: VOC = volatile organic compound; NO_x = oxides of nitrogen; CO = carbon monoxide; SO_x = sulfur oxides; PM_{10} = coarse particulate matter; $PM_{2.5}$ = fine particulate matter; SCAQMD = South Coast Air Quality Management District; <0.01 = reported value less than 0.01.
See Appendix A for complete results.

As shown in Table 3.3-4, maximum daily operational emissions of VOC, NO_x, CO, SO_x, PM_{10}, and $PM_{2.5}$ generated by the project would not exceed the SCAQMD's significance thresholds, and long-term operational impacts would be less than significant.

As previously discussed, the SCAB has been designated as a federal nonattainment area for O_3 and $PM_{2.5}$ and a state nonattainment area for O_3, PM_{10}, and $PM_{2.5}$. However, as indicated in Tables 3.3-3 and 3.3-4, project-generated construction and operational emissions would not exceed the SCAQMD emission-based significance thresholds for VOCs, NO_x, PM_{10}, or $PM_{2.5}$.

Cumulative localized impacts would potentially occur if a project were to occur concurrently with another off-site project. Schedules for potential future projects near the project area are currently unknown; therefore, potential impacts associated with two or more simultaneous projects would be considered

speculative.[8] However, future projects would be subject to CEQA and would require air quality analysis and, where necessary, mitigation. Criteria air pollutant emissions associated with construction activity of future projects would be reduced through implementation of control measures required by the SCAQMD. Cumulative PM_{10} and $PM_{2.5}$ emissions would be reduced because all future projects would be subject to SCAQMD Rule 403 (Fugitive Dust), which sets forth general and specific requirements for all sites in the SCAQMD. Additionally, cumulative VOC emissions would be reduced because all future projects would be subject VOC content of the surface coatings, SCAQMD's Rule 1113, Architectural Coatings, governs the VOC content for interior and exterior coatings.

Therefore, the project would not result in a cumulatively considerable increase in emissions of nonattainment pollutants, and impacts would be less than significant during construction and operation.

c) ***Would the project expose sensitive receptors to substantial pollutant concentrations?***

Less-than-Significant Impact with Mitigation Incorporated. The project would not expose sensitive receptors to substantial pollutant concentrations, as evaluated below.

Sensitive Receptors

Sensitive receptors are those individuals more susceptible to the effects of air pollution than the population at large. People most likely to be affected by air pollution include children, the elderly, and people with cardiovascular and chronic respiratory diseases. According to the SCAQMD, sensitive receptors include sites such as residences, schools, playgrounds, childcare centers, long-term healthcare facilities, rehabilitation centers, convalescent centers, and retirement homes (SCAQMD 1993). The nearest sensitive receptors are residential uses located approximately 90 feet west of the project site.

Localized Significance Thresholds

The SCAQMD recommends a localized significance threshold (LST) analysis to evaluate localized air quality impacts to sensitive receptors in the immediate vicinity of the project as a result of project activities. The impacts were analyzed using methods consistent with those in the SCAQMD's Final Localized Significance Threshold Methodology (SCAQMD 2009). The project is located within Source-Receptor Area 34 (Central San Bernardino Valley). This analysis applies the SCAQMD LST values for a 3.5-acre site within Source-Receptor Area 34 with a receptor distance of 25 meters (82 feet), which is the shortest available distance provided in the SCAQMD's methodology.

Project construction activities would result in temporary sources of on-site criteria air pollutant emissions associated with off-road equipment exhaust and fugitive dust generation. According to the Final Localized Significance Threshold Methodology, "off-site mobile emissions from the project should not be included in the emissions compared to the LSTs" (SCAQMD 2009). Trucks and worker trips associated with the project are not expected to cause substantial air quality impacts to sensitive receptors along off-site roadways since emissions would be relatively brief in nature and would cease once the vehicles pass through the main streets. Off-site emissions from truck trips were limited to 1,000 feet of estimated on-site activity within the LST analysis. The maximum daily on-site emissions generated by construction of the project in each construction year are presented in Table 3.3-5 and compared to the SCAQMD localized significance criteria for Source-Receptor Area 34 to determine whether project-generated on-site emissions would result in potential LST impacts.

8 The CEQA Guidelines state that if a particular impact is too speculative for evaluation, the agency should note its conclusion and terminate discussion of the impact (14 CCR 15145).

Table 3.3-5. Construction Localized Significance Thresholds Analysis

	NO_2	CO	PM_{10}	$PM_{2.5}$
	Pounds per Day (On Site)			
Maximum	*27.59*	*19.81*	*10.11*	*5.71*
SCAQMD LST Criteria[a]	*220*	*1,359*	*11*	*6*
Threshold Exceeded?	**No**	**No**	**No**	**No**

Source: SCAQMD 2009; Appendix A.
Notes: NO_2 = nitrogen dioxide; CO = carbon monoxide; PM_{10} = particulate matter with a diameter less than or equal to 10 microns (coarse particulate matter); $PM_{2.5}$ = particulate matter with a diameter less than or equal to 2.5 microns (fine particulate matter); SCAQMD = South Coast Air Quality Management District; LST = localized significance threshold.
Maximum on-site emissions occurred during the overlap of the following phases: grading and site preparation.
[a] LST are shown for a 3.5-acre disturbed area corresponding to a distance to a sensitive receptor of 25 meters in Source-Receptor Area 34 (Central San Bernardino Valley).

As shown in Table 3.3-5, proposed construction activities would not generate emissions more than site-specific LSTs for NO_x, CO PM_{10} and $PM_{2.5}$. Thus, impacts would be less than significant.

Carbon Monoxide Hotspots

Traffic-congested roadways and intersections have the potential to generate localized high levels of CO. Localized areas where ambient concentrations exceed federal and/or state standards for CO are termed "CO hotspots." The transport of CO is extremely limited, as it disperses rapidly with distance from the source. However, under certain extreme meteorological conditions, CO concentrations near a congested roadway or intersection may reach unhealthy levels, affecting sensitive receptors. Typically, high CO concentrations are associated with severely congested intersections operating at an unacceptable level of service (LOS) (LOS E or worse is unacceptable). Projects contributing to adverse traffic impacts may result in the formation of a CO hotspot. Additional analysis of CO hotspot impacts would be conducted if a project would result in a significant impact or contribute to an adverse traffic impact at a signalized intersection that would potentially subject sensitive receptors to CO hotspots. As discussed in Section 3.17, As the proposed project is forecast to generate 24 AM peak hour trips and 24 PM peak hour trips (PCE-adjusted). Based on the project's trip generation estimates as described above, development of the proposed project would not be likely to result in degradation of the nearby CMP facilities due to the low volume of vehicular traffic (less than 250 peak hour trips, and less than 50 peak hour trips to a State highway facility, per the CMP.

In addition, at the time that the SCAQMD Handbook (SCAQMD 1993) was published, the SCAB was designated nonattainment under the CAAQS and NAAQS for CO. In 2007, the SCAQMD was designated in attainment for CO under both the CAAQS and NAAQS as a result of the steady decline in CO concentrations in the SCAB due to turnover of older vehicles, introduction of cleaner fuels, and implementation of control technology on industrial facilities. The SCAQMD conducted CO modeling for the 2003 AQMP[9] (SCAQMD 2003b) for the four worst-case intersections in the SCAB:

(1). Wilshire Boulevard and Veteran Avenue
(2). Sunset Boulevard and Highland Avenue
(3). La Cienega Boulevard and Century Boulevard
(4). Long Beach Boulevard and Imperial Highway

[9] SCAQMD's CO hotspot modeling guidance has not changed since 2003.

At the time the 2003 AQMP was prepared, the intersection of Wilshire Boulevard and Veteran Avenue was the most congested intersection in Los Angeles County, with an average daily traffic volume of about 100,000 vehicles per day. The 2003 AQMP projected 8-hour CO concentrations at these four intersections for 1997 and from 2002 through 2005. From years 2002 through 2005, the maximum 8-hour CO concentration was 3.8 parts per million at the Sunset Boulevard and Highland Avenue intersection in 2002 and the maximum 8-hour CO concentration was 3.4 parts per million at the Wilshire Boulevard and Veteran Avenue in 2002.

Accordingly, CO concentrations at congested intersections would not exceed the 1-hour or 8-hour CO CAAQS unless projected daily traffic would be at least over 100,000 vehicles per day. Because the project is not anticipated to increase daily traffic volumes at any study intersection to more than 100,000 vehicles per day, a CO hotspot is not anticipated to occur.

Based on these considerations, the project would not generate traffic that would contribute to potential adverse traffic impacts that may result in the formation of CO hotspots. This conclusion is supported by the analysis in Section 3.17, which demonstrates that traffic impacts would be less than significant. In addition, due to continued improvement in vehicular emissions at a rate faster than the rate of vehicle growth and/or congestion, the potential for CO hotspots in the SCAB is steadily decreasing. Based on these considerations, the project would result in a less-than-significant impact to air quality with regard to potential CO hotspots.

Toxic Air Contaminants

In addition to impacts from criteria pollutants, certain projects may include emissions of pollutants identified by the state and federal government as toxic air contaminants (TACs) or hazardous air pollutants. State law has established the framework for California's TAC identification and control project, which is generally more stringent than the federal project, and is aimed at TACs that are a problem in California. The state has formally identified more than 200 substances as TACs, including the federal hazardous air pollutants, and is adopting appropriate control measures for sources of these TACs.

In an abundance of caution, a voluntary health risk assessment (HRA) was performed for construction and operation of the project, as discussed below is presented in Appendix A-2.

The most recent guidance from the Office of Environmental Health Hazard Assessment (OEHHA) is the 2015 Risk Assessment Guidelines Manual (OEHHA 2015), which was adopted in 2015 to replace the 2003 HRA Guidance Manual. The Children's Environmental Health Protection Act of 1999 (Senate Bill 25), which requires explicit consideration of infants and children in assessing risks from air toxics, required revisions of the methods for both non-cancer and cancer risk assessment and of the exposure assumptions in the 2003 HRA Guidance Manual. Cancer risk parameters, such as age-sensitivity factors, daily breathing rates, exposure period, fraction of time at home, and cancer potency factors were based on the values and data recommended by OEHHA as implemented in HARP2. SCAQMD's Modeling Guidance for American Meteorological Society/Environmental Protection Agency Regulatory Model (AERMOD) (SCAQMD 2018) and Health Risk Assessment Guidance for Analyzing Cancer Risks from Mobile Source Diesel Idling Emissions for CEQA Air Quality Analysis (SCAQMD 2003c) provide guidance to perform dispersion modeling for use in HRAs within the SCAB.

Health effects from carcinogenic air toxics are usually described in terms of cancer risk. The SCAQMD recommends a carcinogenic (cancer) risk threshold of 10 in one million. Some TACs increase noncancer health risk due to long-term (chronic) exposures. The Chronic Hazard Index (HIC) is the sum of the individual substance chronic hazard indices for all TACs affecting the same target organ system. The HIC estimates for all receptor types used the OEHHA-derived calculation method, which uses high end exposure parameters for the inhalation and next top two exposure pathways and mean exposure parameters for the remaining pathways for non-cancer risk estimates. The HIC is the sum of the individual substance chronic hazard indices for all TACs affecting the same target organ system.[10] A hazard index less than 1.0 means that adverse health effects are not expected. Within this analysis, noncarcinogenic exposures of less than 1.0 are considered less than significant. The SCAQMD recommends a HIC significance threshold of 1.0 (project increment) and an acute hazard index of 1.0.

The greatest potential for TAC exposure from project construction and operation is from diesel particulate matter (DPM), as the exhaust from diesel engines is a complex mixture of gases, vapors, and particles, many of which are known human carcinogens. DPM has established cancer risk factors and relative exposure values for long-term chronic health hazard impacts. No short-term, acute relative exposure values are established and regulated and therefore these are not addressed in this assessment.

The dispersion modeling was performed using AERMOD, which is the model SCAQMD requires for atmospheric dispersion of emissions. AERMOD (Version 21112) is a steady-state Gaussian plume model that incorporates air dispersion based on planetary boundary layer turbulence structure and scaling concepts, including treatment of surface and elevated sources, building downwash, and simple and complex terrain (EPA 2018a).

Construction Health Risk

Construction Health Risk Assessment

A HRA was performed to evaluate potential health risk associated with construction of the project. The following discussion summarizes the dispersion modeling and HRA methodology; supporting construction HRA documentation, including detailed assumptions, is presented in Appendix A-2.

For risk assessment purposes, PM_{10} in diesel exhaust is considered DPM, originating mainly from off-road equipment operating at a defined location for a given length of time at a given distance from sensitive receptors. Less-intensive, more-dispersed emissions result from on road vehicle exhaust (e.g., heavy-duty diesel trucks). For the construction HRA, the CalEEMod scenario for the project was adjusted to reduce diesel truck one-way trip distances to 1,000 feet (0.19 miles) to estimate emissions from truck pass-by at proximate receptors.

The air dispersion modeling methodology was based on generally accepted modeling practices of SCAQMD (SCAQMD 2021a). Air dispersion modeling was performed using the EPA's American Meteorological Society/Environmental Protection Agency Regulatory Model (AERMOD) Version 21112 modeling system (computer software) with the Lakes Environmental Software implementation/user interface, AERMOD View Version 10.2.1 The HRA followed the Office of Environmental Health Hazard Assessment (OEHHA) 2015 guidelines (OEHHA 2015) and SCAQMD guidance to calculate the health risk impacts at all proximate

10 The HIC estimates for all receptor types used the OEHHA-derived calculation method (OEHHA 2015).

receptors as further discussed below. The dispersion modeling included the use of standard regulatory default options. AERMOD parameters were selected consistent with the SCAQMD and EPA guidance and identified as representative of the project site and project activities. Principal parameters of this modeling are presented in Table 3.3-6.

Table 3.3-6. American Meteorological Society/Environmental Protection Agency Regulatory Model Principal Parameters

Parameter	Details
Meteorological Data	AERMOD-specific meteorological data for the Riverside Airport air monitoring station (KRAL) was used for the dispersion modeling (SCAQMD 2021b). A 5-year meteorological data set from 2012 through 2016 was obtained from the SCAQMD in a preprocessed format suitable for use in AERMOD.
Urban versus Rural Option	Urban dispersion option was selected due to the developed nature of the project area and per SCAQMD guidelines.
Terrain Characteristics	The elevation of the site is 1,138 feet (347 meters) above sea level.
Elevation Data	Digital elevation data were imported into AERMOD and elevations were assigned to receptors and emission sources, as necessary. Digital elevation data were obtained through the AERMOD View in the United States Geological Survey's National Elevation Dataset format with a resolution of 1/3 degree (approximately 10 meters), consistent with the SCAQMD guidance (SCAQMD 2022a).
Source Release Characterizations	Air dispersion modeling of DPM emissions was conducted assuming the off-road equipment would operate in accordance with the modeling scenario estimated in CalEEMod (Appendix A-1). The construction equipment and on-site truck travel DPM emissions were modeled as a line of adjacent volume sources across the project site to represent project construction with a release height of 3.4 meters, plume height of 6.8 meters, and plume width of 8.6 meters (EPA 2018a).

Note: AERMOD = American Meteorological Society/Environmental Protection Agency Regulatory Model; SCAQMD = South Coast Air Quality Management District; DPM = diesel particular matter; CalEEMod = California Emissions Estimator Model.
See Appendix A.

Regarding receptors, the construction scenario used a 1-kilometer by 1-kilometer Cartesian receptor grid with 50-meter spacing to establish the impact area and evaluate locations of maximum health risk impact (SCAQMD 2021a). Discrete receptors were placed over residential and daycare facilities in closest proximity to the site.

The health risk calculations were performed using the Hotspots Analysis and Reporting Program Version 2 (HARP2) Air Dispersion and Risk Tool (ADMRT, dated 22118). AERMOD was run with all sources emitting unit emissions (1 gram per second) to obtain the necessary input values for HARP2. The line of volume sources was partitioned evenly based on the 1 gram per second emission rate. The ground-level concentration plot files were then used to estimate the long-term cancer health risk to an individual, and the non-cancer chronic health indices. There is no reference exposure level (REL) for acute health impacts from DPM, and, thus, acute risk was not evaluated.

Cancer risk is defined as the increase in probability (chance) of an individual developing cancer due to exposure to a carcinogenic compound, typically expressed as the increased chances in one million. Maximum Individual Cancer Risk is the estimated probability of a maximally exposed individual potentially contracting cancer as a result of exposure to TACs over a period of 30 years for residential receptor locations. For the purposes of this

construction HRA, given the less-than-lifetime exposure period, and the higher breathing rates and sensitivity of children to TACs, the cancer risk calculation assumes that the exposure would affect children early in their lives. The 14-month exposure duration was assumed to start during the third trimester of pregnancy through 14 months of age based on the duration of construction. The exposure pathway for DPM is inhalation only.

The SCAQMD has also established non-carcinogenic risk parameters for use in HRAs since some TACs increase non-cancer health risk due to long-term (chronic) exposures and some TACs increase non-cancer health risk due to short-term (acute) exposures. No short-term, acute relative exposure level has been established for DPM; therefore, acute impacts of DPM are not addressed in the HRA. Chronic exposure is evaluated in the construction HRA. Non-carcinogenic risks are quantified by calculating a hazard index, expressed as the ratio between the ambient pollutant concentration and its toxicity or REL, which is a concentration at or below which health effects are not likely to occur. The chronic hazard index is the sum of the individual substance chronic hazard indices for all TACs affecting the same target organ system. A hazard index less of than one (1.0) means that adverse health effects are not expected.

The Maximum Individual Cancer Risk and the Chronic Hazard Index for residential receptors as a result of project construction are presented in Table 3.3-7.

Table 3.3-7. Construction Health Risk Assessment Results - Unmitigated

Impact Parameter	Units	Project Impact	CEQA Threshold	Level of Significance
Maximum Individual Cancer Risk–Residential	Per Million	56.9	10	**Potentially Significant**
Chronic Hazard Index–Residential	Index Value	0.05	1.0	Less than Significant

Source: SCAQMD 2019.
Notes: CEQA = California Environmental Quality Act.
See Appendix A-2.

As shown in Table 3.3-7, project construction activities would result in a Residential Maximum Individual Cancer Risk of 56.9 in 1 million, which exceeds the significance threshold of 10 in 1 million. Project construction would result in a Residential Chronic Hazard Index of 0.05, which is below the 1.0 significance threshold. Implementation of **MM-AQ-1** would reduce project construction-generated DPM missions to the extent feasible.

MM-AQ-1: Tier 4 Interim Engines. To reduce the potential for criteria air pollutants, specifically particulate matter with an aerodynamic diameter less than or equal to 10 microns (PM_{10}), as a result of construction of the project, the applicant shall:

Prior to the start of construction activities, ensure that all 75 horsepower or greater diesel-powered equipment are powered with California Air Resources Board (CARB)-certified Tier 4 interim engines, except where the project applicant establishes to the satisfaction of the City of Highland (City) that Tier 4 interim equipment is not available.

An exemption from these requirements may be granted by the City in the event that the City documents that equipment with the required tier is not reasonably available and corresponding reductions in criteria air pollutant emissions are achieved from other construction equipment.

Before an exemption may be considered by the City, the applicant shall be required to demonstrate that two construction fleet owners/operators in San Bernardino County were contacted and that those owners/operators confirmed Tier 4 interim equipment could not be located within San Bernardino County.

The HRA results after incorporation of **MM-AQ-1** are presented in Table 3.3-8.

Table 3.3-8. Construction Health Risk Assessment Results - Mitigated

Impact Parameter	Units	Project Impact	CEQA Threshold	Level of Significance
Maximum Individual Cancer Risk–Residential	Per Million	7.66	10	Less than Significant
Chronic Hazard Index–Residential	Index Value	0.007	1.0	Less than Significant

Source: SCAQMD 2019.
Notes: CEQA = California Environmental Quality Act.
See Appendix A-2.

As shown in table 3.3-8, Implementation of **MM-AQ-1** would reduce construction-generated health risks to levels below SCAQMD thresholds. Thus, impacts would be less than significant with mitigation.

Operational Health Risk

A HRA was performed to evaluate potential health risk associated with operation of the project. The following discussion summarizes the dispersion modeling and HRA methodology; supporting operational HRA documentation, including detailed assumptions, is presented in Appendix A.

CARB's Air Quality and Land Use Handbook: A Community Health Perspective encourages consideration of the health impacts of distribution centers that accommodate more than 100 trucks per day on sensitive receptors sited within 1,000 feet from the source in the land use decision-making process (CARB 2005). For the operational health risk assessment (included as Appendix A), operational year 2024 was assumed, consistent with completion of project construction. Emissions from the operation of the project include truck trips and truck idling emissions. For risk assessment purposes, PM_{10} in diesel exhaust is considered DPM, originating mainly from trucks traveling on site and off site and trucks idling at the loading docks. Truck travel and idling emission rates were obtained from CARB's EMFAC2017. Emission factors representing the vehicle mix and emissions for 2024b were used to estimate emissions associated with operation of the project. Truck idling would be limited to 5 minutes in accordance with CARB's adopted Airborne Toxic Control Measure; however, truck idling was conservatively assumed to idle for 15 minutes.[11] Therefore, the analysis conservatively overestimates DPM emissions from idling. Deliveries would occur every day of the week. A total of 11 forklifts were assumed to operate with the project loading dock areas. The forklifts were modeled as diesel powered with Tier 4 Interim compliant engines under the unmitigated HRA analysis.

Conservatively, a 2024 EMFAC2017 run was conducted and a constant 2024 emission factor data set was used for the entire duration of the analysis (i.e., 30 years). Use of the 2024 emission factors would overstate potential impacts since this approach does not include reductions in emissions due to fleet turnover or

11 Although the project is required to comply with CARB's idling limit of 5 minutes, on-site idling emissions was estimated for 15 minutes of truck idling, which would take into account on-site idling while the trucks are waiting to pull up to the loading dock, idling at the loading dock, and idling during check-in and check-out.

cleaner technology with lower emissions. The truck travel DPM emissions were calculated by applying the exhaust PM_{10} emission factor from EMFAC2017 and the total truck trip number over the length of the distance traveled. In addition, the on-site truck idling exhaust emissions were calculated by applying the idle exhaust PM_{10} emission factor from EMFAC2017 and total truck trip over the total idling time (i.e., 15 minutes). The truck traffic was modeled as a line of adjacent volume sources with 50% of the truck traffic entering and exiting the project site south via Grape St. and head east on 6th St. to Victoria St then south to W 5th street to SR-210. The other 50% of the truck traffic would enter and exit the site north via Grape St. then east on Cypress St. to Victoria Ave. then north on Victoria Ave to E. Highland Ave to SR-210The forklifts and truck idling were modeled as a line of adjacent volume sources operating within the truck loading bay area.

As previously described, health effects from carcinogenic air toxics are usually described in terms of cancer risk. The SCAQMD recommends a carcinogenic (cancer) risk threshold of 10 in one million. Some TACs increase noncancer health risk due to long-term (chronic) exposures. A hazard index less than one (1.0) means that adverse health effects are not expected. Within this analysis, noncarcinogenic exposures of less than 1.0 are considered less than significant. The exhaust from diesel engines is a complex mixture of gases, vapors, and particles, many of which are known human carcinogens. DPM has established cancer risk factors and relative exposure values for long-term chronic health hazard impacts. No short-term, acute relative exposure values are established and regulated and are therefore not addressed in this assessment.

The air dispersion modeling methodology was based on generally accepted modeling practices of SCAQMD (SCAQMD 2021a). Air dispersion modeling was performed using the EPA's AERMOD (Version 21112) modeling system with the Lakes Environmental Software implementation/user interface, AERMOD View Version 10.2.1. The HRA followed the Office of Environmental Health Hazard Assessment (OEHHA) 2015 guidelines (OEHHA 2015) and SCAQMD guidance to calculate the health risk impacts at all proximate receptors as further discussed below. The dispersion modeling included the use of standard regulatory default options. AERMOD parameters were selected consistent with the SCAQMD and EPA guidance and identified as representative of the project site and project activities. Principal parameters of this modeling are presented in Table 3.3-9.

Table 3.3-9. American Meteorological Society/Environmental Protection Agency Regulatory Model Principal Parameters

Parameter	Details
Meteorological Data	AERMOD-specific meteorological data for the Riverside Airport air monitoring station (KRAL) was used for the dispersion modeling (SCAQMD 2021b). A 5-year meteorological data set from 2012 through 2016 was obtained from the SCAQMD in a preprocessed format suitable for use in AERMOD.
Urban versus Rural Option	Urban dispersion option was selected due to the developed nature of the project area and per SCAQMD guidelines.
Terrain Characteristics	The elevation of the site is 1,138 feet (347 meters) above sea level.
Elevation Data	Digital elevation data were imported into AERMOD and elevations were assigned to receptors and emission sources, as necessary. Digital elevation data were obtained through the AERMOD View in the United States Geological Survey's National Elevation Dataset format with a resolution of 1/3 degree (approximately 10 meters), consistent with the SCAQMD guidance (SCAQMD 2022a).

Table 3.3-9. American Meteorological Society/Environmental Protection Agency Regulatory Model Principal Parameters

Parameter	Details
Source Release Characterizations	Air dispersion modeling of operational activities was conducted using emissions generated using EMFAC2017and CalEEMod. Off-site and on-site truck travel were modeled as a line of adjacent volume sources, and based on EPA methodology, the modeled sources would result in a release height of 5 meters, a plume height of 10 meters, and a plume width of 9 meters (SCAQMD 2008). Forklifts were modeled as a line of adjacent volume sources, and based on EPA methodology, the modeled sources would result in a release height of 3.4 meters, a plume height of 6.8 meters, and a plume width of 8.6 meters (EPA 2018a).

Note: AERMOD = American Meteorological Society/Environmental Protection Agency Regulatory Model; SCAQMD = South Coast Air Quality Management District; EPA = U.S. Environmental Protection Agency.
See Appendix A-2.

Regarding receptors, the operational HRA scenario built from the construction HRA's 1-kilometer by 1-kilometer Cartesian receptor grid with 50-meter spacing to establish the impact area and evaluate locations of maximum health risk impact (SCAQMD 2021a). The operational scenario added receptors at 50-meter spacing at sensitive receptor areas adjacent to the truck routes discussed above.

The health risk calculations were performed using the HARP2 Air Dispersion and Risk Tool (ADMRT, dated 19121). AERMOD was run with all sources or source groups emitting unit emissions (1 gram per second) to obtain the necessary input values for HARP2. The line of volume sources was partitioned evenly based on the 1 gram per second emission rate. The ground-level concentration plot files were then used to estimate the long-term cancer health risk to an individual, and the non-cancer chronic health indices. There is no reference exposure level (REL) for acute health impacts from DPM, and, thus, acute risk was not evaluated.

Cancer risk is defined as the increase in probability (chance) of an individual developing cancer due to exposure to a carcinogenic compound, typically expressed as the increased chances in one million. Maximum Individual Cancer Risk is the estimated probability of a maximally exposed individual potentially contracting cancer as a result of exposure to TACs over a period of 30 years for residential receptor locations. The HRA assumes exposure would start in the third trimester of pregnancy through 30 years for all residential sensitive receptor locations. The exposure pathway for DPM is inhalation only.

The SCAQMD has also established non-carcinogenic risk parameters for use in HRAs since some TACs increase non-cancer health risk due to long-term (chronic) exposures and some TACs increase non-cancer health risk due to short-term (acute) exposures. No short-term, acute relative exposure level has been established for DPM; therefore, acute impacts of DPM are not addressed in the HRA. Chronic exposure is evaluated in the operational HRA. Non-carcinogenic risks are quantified by calculating a hazard index, expressed as the ratio between the ambient pollutant concentration and its toxicity or REL, which is a concentration at or below which health effects are not likely to occur. The chronic hazard index is the sum of the individual substance chronic hazard indices for all TACs affecting the same target organ system. A hazard index less of than one (1.0) means that adverse health effects are not expected.

The results of the health risk assessment during operation are provided in Table 3.3-10.

Table 3.3-10. Operational Health Risk Assessment Results - Unmitigated

Impact Parameter	Units	Project Impact	CEQA Threshold	Level of Significance
Maximum Individual Cancer Risk–Residential	Per Million	123.00	10	Less than Significant
Chronic Hazard Index–Residential	Index Value	0.0002	1.0	Less than Significant

Source: SCAQMD 2019.
Notes: CEQA = California Environmental Quality Act.
See Appendix A-2.

As shown in Table 3.3-10, project operation would result in a Residential Maximum Individual Cancer Risk of 123 in 1 million, which is above the significance threshold of 10 in 1 million. Project operation would result in a Residential Chronic Hazard Index of 0.03, which is below the 1.0 significance threshold. The project operational TAC health risk impacts would be potentially significant.

MM-AQ-2: Operational Forklifts. The City shall require that all forklifts used during operation of the project be electric powered or fueled with natural gas.

The results of the health risk assessment during operation including mitigation measure **MM-AQ-2** are provided in Table 3.3-11.

Table 3.3-11. Operational Health Risk Assessment Results - Mitigated

Impact Parameter	Units	Project Impact	CEQA Threshold	Level of Significance
Maximum Individual Cancer Risk–Residential	Per Million	0.57	10	Less than Significant
Chronic Hazard Index–Residential	Index Value	0.0002	1.0	Less than Significant

Source: SCAQMD 2019.
Notes: CEQA = California Environmental Quality Act.
See Appendix A-2.

As shown in Table 3.3-11, project operation would result in a Residential Maximum Individual Cancer Risk of 0.57 in 1 million, which is below the significance threshold of 10 in 1 million. Project operation would result in a Residential Chronic Hazard Index of 0.0002, which is below the 1.0 significance threshold. The project operational TAC health risk impacts would be less than significant with mitigation.

Health Effects of Criteria Air Pollutants

Construction and operation of the project would generate criteria air pollutant emissions; however, estimated construction and operational emissions would not exceed the SCAQMD mass-emission daily thresholds as shown in Tables 3.3-3 and 3.3-4, respectively. As previously discussed, the SCAB has been designated as a federal nonattainment area for O_3 and $PM_{2.5}$ and a state nonattainment area for O_3, PM_{10}, and $PM_{2.5}$.

Health effects associated with O_3 include respiratory symptoms, worsening of lung disease leading to premature death, and damage to lung tissue (CARB 2021). VOCs and NO_x are precursors to O_3, for which the SCAB is designated as nonattainment with respect to the NAAQS and CAAQS. The contribution of VOCs and NO_x to regional ambient O_3 concentrations is the result of complex photochemistry. The increases in

O_3 concentrations in the SCAB due to O_3 precursor emissions tend to be found downwind from the source location to allow time for the photochemical reactions to occur. However, the potential for exacerbating excessive O_3 concentrations would also depend on the time of year that the VOC emissions would occur because exceedances of the O_3 ambient air quality standards tend to occur between April and October when solar radiation is highest. The holistic effect of a single project's emissions of O_3 precursors is speculative because of the lack of quantitative methods to assess this impact. Because construction and operation of the project would not result in O_3 precursor emissions (i.e., VOCs or NO_X) that would exceed the SCAQMD thresholds, as shown in Tables 3.3-3 and 3.3-4, the project is not anticipated to substantially contribute to regional O_3 concentrations and their associated health impacts.

Health effects associated with NO_x include lung irritation and enhanced allergic responses (CARB 2021). Construction and operation of the project would not generate NO_x emissions that would exceed the SCAQMD mass daily thresholds; therefore, construction and operation of the project is not anticipated to contribute to exceedances of the NAAQS and CAAQS for NO_2 or contribute to associated health effects. In addition, the SCAB is designated as in attainment of the NAAQS and CAAQS for NO_2, and the existing NO_2 concentrations in the area are well below the NAAQS and CAAQS standards.

Health effects associated with CO include chest pain in patients with heart disease, headache, light-headedness, and reduced mental alertness (CARB 2021). CO tends to be a localized impact associated with congested intersections. CO hotspots were discussed previously as a less-than-significant impact. Thus, the project's CO emissions would not contribute to the health effects associated with this pollutant.

Health effects associated with PM_{10} and $PM_{2.5}$ include premature death and hospitalization, primarily for worsening of respiratory disease (CARB 2021). As with O_3 and NO_X, and as shown in Tables 3.3-3 and 3.3-4, the project would not generate emissions of PM_{10} or $PM_{2.5}$ that would exceed the SCAQMD's thresholds. Accordingly, the project's PM_{10} and $PM_{2.5}$ emissions are not expected to cause an increase in related health effects for this pollutant.

The California Supreme Court's decision in *Sierra Club v. County of Fresno* (2018) 6 Cal. 5th 502 (referred to herein as the Friant Ranch decision; issued on December 24, 2018) addressed the need to correlate mass emission values for criteria air pollutants to specific health consequences and contains the following direction from the California Supreme Court: "The Environmental Impact Report (EIR) must provide an adequate analysis to inform the public how its bare numbers translate to create potential adverse impacts or it must explain what the agency *does* know and why, given existing scientific constraints, it cannot translate potential health impacts further" (Italics in original). Currently, SCAQMD, CARB, and EPA have not approved a quantitative method to reliably, meaningfully, and consistently translate the mass emission estimates for the criteria air pollutants resulting from the project to specific health effects. In addition, there are numerous scientific and technological complexities associated with correlating criteria air pollutant emissions from an individual project to specific health effects or potential additional nonattainment days.

In connection with the judicial proceedings culminating in issuance of the Friant Ranch decision, the SCAQMD and the San Joaquin Valley Air Pollution Control District (SJVAPCD) filed amicus briefs attesting to the extreme difficulty of correlating an individual project's criteria air pollutant emissions to specific health impacts. Both SJVAPCD and SCAQMD have among the most sophisticated air quality modeling and health impact evaluation capabilities of the air districts in California. The key, relevant points from the SCAQMD and SJVAPCD briefs are summarized herein.

In requiring a health impact type of analysis for criteria air pollutants, it is important to understand how O_3 and particulate matter (PM) are formed, dispersed, and regulated. The formation of O_3 and PM in the atmosphere, as secondary pollutants,[12] involves complex chemical and physical interactions of multiple pollutants from natural and anthropogenic sources. The O_3 reaction is self-perpetuating (or catalytic) in the presence of sunlight because NO_2 is photochemically reformed from nitric oxide. In this way, O_3 is controlled by both NO_x and VOC emissions (NRC 2005). The complexity of these interacting cycles of pollutants means that incremental decreases in one emission may not result in proportional decreases in O_3 (NRC 2005). Although these reactions and interactions are well understood, variability in emission source operations and meteorology creates uncertainty in the modeled O_3 concentrations to which downwind populations may be exposed (NRC 2005). Once formed, O_3 can be transported long distances by wind and due to atmospheric transport, contributions of precursors from the surrounding region can also be important (EPA 2008). Because of the complexity of O_3 formation, a specific tonnage amount of VOCs or NO_x emitted in a particular area does not equate to a particular concentration of O_3 in that area (SJVAPCD 2015).

PM can be divided into two categories: directly emitted PM and secondary PM. Secondary PM, like O_3, is formed via complex chemical reactions in the atmosphere between precursor chemicals such as SO_x and NO_x (SJVAPCD 2015). Because of the complexity of secondary PM formation, including the potential to be transported long distances by wind, the tonnage of PM-forming precursor emissions in an area does not necessarily result in an equivalent concentration of secondary PM in that area (SJVAPCD 2015). This is especially true for individual projects, like the proposed project, where project-generated criteria air pollutant emissions are not derived from a single "point source," but from construction equipment and mobile sources (passenger cars and trucks) driving to, from, and around the project site.

Additionally, health effects from air pollutants are related to the concentration of the air pollutant that an individual is exposed to, not necessarily the individual mass quantity of emissions associated with an individual project. For example, health effects from O_3 are correlated with increases in the ambient level of O_3 in the air a person breathes (SCAQMD 2015). However, it takes a large amount of additional precursor emissions to cause a modeled increase in ambient O_3 levels over an entire region (SCAQMD 2015). The lack of link between the tonnage of precursor pollutants and the concentration of O_3 and $PM_{2.5}$ formed is important because it is not necessarily the tonnage of precursor pollutants that causes human health effects; rather, it is the concentration of resulting O_3 that causes these effects (SJVAPCD 2015). Indeed, the ambient air quality standards, which are statutorily required to be set by EPA at levels that are requisite to protect the public health, are established as concentrations of O_3 and $PM_{2.5}$ and not as tonnages of their precursor pollutants (EPA 2018a). Because the ambient air quality standards are focused on achieving a particular concentration region-wide, the tools and plans for attaining the ambient air quality standards are regional in nature. For CEQA analyses, project-generated emissions are typically estimated in pounds per day or tons per year and compared to mass daily or annual emission thresholds. While CEQA thresholds are established at levels that the air basin can accommodate without affecting the attainment date for the ambient air quality standards, even if a project exceeds established CEQA significance thresholds, this does not mean that one can easily determine the concentration of O_3 or PM that will be created at or near the project site on a particular day or month of the year, or what specific health impacts will occur (SJVAPCD 2015).

In regard to regional concentrations and air basin attainment, the SJVAPCD emphasized that attempting to identify a change in background pollutant concentrations that can be attributed to a single project, even one as large as the entire Friant Ranch Specific Plan, is a theoretical exercise. The SJVAPCD brief noted

12 Air pollutants formed through chemical reactions in the atmosphere are referred to as secondary pollutants.

that it "would be extremely difficult to model the impact on NAAQS attainment that the emissions from the Friant Ranch project may have" (SJVAPCD 2015). The situation is further complicated by the fact that background concentrations of regional pollutants are not uniform either temporally or geographically throughout an air basin, but are constantly fluctuating based upon meteorology and other environmental factors. SJVAPCD noted that the currently available modeling tools are equipped to model the impact of all emission sources in the San Joaquin Valley Air Basin on attainment (SJVAPCD 2015). The SJVAPCD brief then indicated that, "running the photochemical grid model used for predicting O_3 attainment with the emissions solely from the Friant Ranch project (which equate to less than 0.1% of the total NO_x and VOC in the Valley) is not likely to yield valid information given the relative scale involved" (SJVAPCD 2015).

SCAQMD and SJVAPCD have indicated that it is not feasible to quantify project-level health impacts based on existing modeling (SCAQMD 2015; SJVAPCD 2015). Even if a metric could be calculated, it would not be reliable because the models are equipped to model the impact of all emission sources in an air basin on attainment and would likely not yield valid information or a measurable increase in O_3 concentrations sufficient to accurately quantify O_3-related health impacts for an individual project.

Nonetheless, following the Supreme Court's Friant Ranch decision, some EIRs where estimated criteria air pollutant emissions exceeded applicable air district thresholds have included a quantitative analysis of potential project-generated health effects using a combination of a regional photochemical grid model[13] and the EPA Benefits Mapping and Analysis Program (BenMAP or BenMAP–Community Edition).[14] The publicly available health impact assessments (HIAs) typically present results in terms of an increase in health incidences and/or the increase in background health incidence for various health outcomes resulting from the project's estimated increase in concentrations of O_3 and $PM_{2.5}$.[15] To date, the five publicly available HIAs reviewed herein have concluded that the evaluated project's health effects associated with the estimated project-generated increase in concentrations of O_3 and $PM_{2.5}$ represent a small increase in incidences and a very small percent of the number of background incidences, indicating that these health impacts are negligible and potentially within the models' margin of error. It is also important to note that while the results of the five available HIAs conclude that the project emissions do not result in a substantial increase in health incidences, the estimated emissions and assumed toxicity are also conservatively inputted into the HIA and thus overestimate health incidences, particularly for $PM_{2.5}$.

As explained in the SJVAPCD brief and noted previously, running the photochemical grid model used for predicting O_3 attainment with the emissions solely from an individual project like the Friant Ranch project or the proposed project is not likely to yield valid information given the relative scale involved. The five

13 The first step in the publicly available HIAs includes running a regional photochemical grid model, such as the Community Multiscale Air Quality model or the Comprehensive Air Quality Model with extensions to estimate the increase in concentrations of O_3 and $PM_{2.5}$ as a result of project-generated emissions of criteria and precursor pollutants. Air districts, such as the SCAQMD, use photochemical air quality models for regional air quality planning. These photochemical models are large-scale air quality models that simulate the changes of pollutant concentrations in the atmosphere using a set of mathematical equations characterizing the chemical and physical processes in the atmosphere (EPA 2017).

14 After estimating the increase in concentrations of O_3 and $PM_{2.5}$, the second step in the five examples includes use of BenMAP or BenMAP-Community Edition to estimate the resulting associated health effects. BenMAP estimates the number of health incidences resulting from changes in air pollution concentrations (EPA 2018b). The health impact function in BenMAP-Community Edition incorporates four key sources of data: (i) modeled or monitored air quality changes, (ii) population, (iii) baseline incidence rates, and (iv) an effect estimate. All of the five example HIAs focused on O_3 and $PM_{2.5}$.

15 The following CEQA documents included a quantitative HIA to address Friant Ranch: (1) California State University Dominguez Hills 2018 Campus Master Plan EIR (CSU Dominguez Hills 2019), (2) March Joint Powers Association K4 Warehouse and Cactus Channel Improvements EIR (March JPA 2019), (3) Mineta San Jose Airport Amendment to the Airport Master Plan EIR (City of San Jose 2019), (4) City of Inglewood Basketball and Entertainment Center Project EIR (City of Inglewood 2019), and (5) San Diego State University Mission Valley Campus Master Plan EIR (SDSU 2019).

examples reviewed support the SJVAPCD's brief contention that consistent, reliable, and meaningful results may not be provided by methods applied at this time. Accordingly, additional work in the industry and more importantly, air district participation, is needed to develop a more meaningful analysis to correlate project-level mass criteria air pollutant emissions and health effects for decision makers and the public. Furthermore, at the time of writing, no HIA has concluded that health effects estimated using the photochemical grid model and BenMAP approach are substantial provided that the estimated project-generated incidences represent a very small percent of the number of background incidences, potentially within the models' margin of error.

In summary, construction and operation of the project would not result in exceedances of the SCAQMD significance thresholds for certain criteria pollutants, and potential health effects associated with criteria air pollutants would be less than significant.

In addition, an analysis of the project's potential to exceed the SCAQMD LSTs is presented above. The SCAQMD developed the LST analysis in response to CARB Governing Board's Environmental Justice Enhancement Initiative I-4. LSTs represent the maximum emissions from a project that will not cause or contribute to an exceedance of the most stringent applicable NAAQS or CAAQS (which are health protective standards) at the nearest sensitive receptor, taking into consideration ambient concentrations in each source receptor area, project size, and distance to the nearest sensitive receptor. LSTs has been developed for NO_2, CO, PM_{10}, and $PM_{2.5}$. As presented above, the project's localized construction emissions would not exceed site-specific LSTs with mitigation, and impacts would be less than significant with mitigation.

d) Would the project result in other emissions (such as those leading to odors) adversely affecting a substantial number of people?

Less-than-Significant Impact. The project would result in emissions, including criteria air pollutant and TACs; however, those are addressed under Sections 3.3(b) and 3.3(c). Accordingly, the evaluation of other emissions is focused on the potential for the project to generate odors. The occurrence and severity of potential odor impacts depend on numerous factors. The nature, frequency, and intensity of the source; the wind speed and direction; and the sensitivity of receiving location each contribute to the intensity of the impact. Although offensive odors seldom cause physical harm, they can be annoying and cause distress among the public and generate citizen complaints.

Odors would be potentially generated from vehicles and equipment exhaust emissions during construction of the project. Potential odors produced during construction would be attributable to concentrations of unburned hydrocarbons from tailpipes of construction equipment, architectural coatings, and asphalt pavement application. Such odors would disperse rapidly from the project site and generally occur at magnitudes that would not affect substantial numbers of people. Therefore, impacts associated with odors during construction would be less than significant.

Land uses and industrial operations associated with odor complaints include agricultural uses, wastewater treatment plants, food-processing plants, chemical plants, composting, refineries, landfills, dairies, and fiberglass molding (SCAQMD 1993). The project entails operation of a warehouse and would not create any new sources of odors during operation. Therefore, project operations would result in an odor impact that is less than significant.

Land uses and industrial operations associated with odor complaints include agricultural uses, wastewater treatment plants, food-processing plants, chemical plants, composting, refineries, landfills, dairies, and fiberglass molding (SCAQMD 1993). The project entails operation of a warehouse and would not create any new sources of odors during operation. Therefore, project operations would result in an odor impact that is less than significant.

3.4 Biological Resources

	Potentially Significant Impact	Less Than Significant Impact With Mitigation Incorporated	Less Than Significant Impact	No Impact
IV. BIOLOGICAL RESOURCES – Would the project:				
a) Have a substantial adverse effect, either directly or through habitat modifications, on any species identified as a candidate, sensitive, or special status species in local or regional plans, policies, or regulations, or by the California Department of Fish and Game or U.S. Fish and Wildlife Service?	☐	☒	☐	☐
b) Have a substantial adverse effect on any riparian habitat or other sensitive natural community identified in local or regional plans, policies, regulations, or by the California Department of Fish and Game or U.S. Fish and Wildlife Service?	☐	☐	☐	☒
c) Have a substantial adverse effect on state or federally protected wetlands (including, but not limited to, marsh, vernal pool, coastal, etc.) through direct removal, filling, hydrological interruption, or other means?	☐	☐	☐	☒
d) Interfere substantially with the movement of any native resident or migratory fish or wildlife species or with established native resident or migratory wildlife corridors, or impede the use of native wildlife nursery sites?	☐	☒	☐	☐
e) Conflict with any local policies or ordinances protecting biological resources, such as a tree preservation policy or ordinance?	☐	☐	☒	☐
f) Conflict with the provisions of an adopted Habitat Conservation Plan, Natural Community Conservation Plan, or other approved local, regional, or state habitat conservation plan?	☐	☐	☐	☒

Dudek conducted a literature review and field visit to determine the existing biotic and abiotic conditions, and the presence of sensitive biological resources within the project site and a 50-foot buffer (biological study area). Only a 50-foot buffer was implemented/surveyed due to access constraints, which included public streets and private properties. Surrounding and inaccessible areas were surveyed with binoculars where feasible. Two of the three (northern and southernmost) properties were not accessible; however, a visual survey with binoculars was conducted for areas that were observable from the public street. Any inaccessible areas were accounted for by using the most up-to-date aerial imagery (Google, 2022).

Literature Review

The following data sources were reviewed to assist with the analyses:

- California Department of Fish and Wildlife California Natural Diversity Database (CDFW 2022a)
- U.S. Fish and Wildlife Service (USFWS) Information for Planning and Consultation (USFWS 2022a)
- California Native Plant Society's Online Inventory of Rare and Endangered Vascular Plants (CNPS 2022)
- USFWS Wetland Mapper online viewer (USFWS 2022b)
- U.S. Department of Agriculture Web Soil Survey (USDA 2022)
- California Department of Fish and Wildlife Biogeographic Information and Observation System (CDFW 2022b)
- Current and historical aerial imagery and topographic maps (Google 2022; NETR 2022)

Field Visit

Dudek biologist Lily Sam performed a field survey on July 14, 2022. Temperatures during the survey were between 75°F –79°F, with 0%-10% cloud cover, and wind speeds ranging between one and 3 miles per hour. The biological survey included vegetation mapping, the mapping of sensitive biological resources (if present) within the project site plus survey buffer (biological study area), and an evaluation of the potential for special-status species to occur.

a) Would the project have a substantial adverse effect, either directly or through habitat modifications, on any species identified as a candidate, sensitive, or special status species in local or regional plans, policies, or regulations, or by the California Department of Fish and Game or U.S. Fish and Wildlife Service?

Less-Than-Significant Impact with Mitigation Incorporated. There are 62 special-status plant species and 66 special-status wildlife species with recorded occurrences in the U.S. Geologic Survey's Redlands, California 7.5-minute topographic quadrangle, in which the project is located, and surrounding eight quadrangles (CDFW 2022a; CNPS 2022; USFWS 2022a). The biological study area supports one land cover types (developed), as shown on Figure 10, Existing Vegetation Mapping, so most of the species with recorded occurrences are not expected due to the lack of suitable habitat associated with each. Special-status bats and birds, as well as nesting birds protected by federal and state regulations, could be directly impacted if ornamental vegetation and trees within the study area are removed or indirectly impacted by dust and noise from the proposed construction. There are no riparian habitats, wetlands, or critical habitats within the study area.

Direct Impacts

Special-Status Bats

One special-status bat species, western yellow bat (*Lasiurus xanthinus*), has a moderate potential to roost and forage within the biological study area. The biological study area contains trees and shrubs that could provide suitable roosts for this species and, if roosting, the species would forage over nearby vegetation and opens areas. Vegetation trimming or removal associated with the project could cause mortality to nursing tree roosting bats if they are present. Impacts to foraging bats are not expected to occur as construction activities would occur during daytime hours. Implementation of Mitigation Measure (MM) BIO-1, which requires maternity roosting season avoidance or a preconstruction bat survey, would reduce potential direct impacts to special-status bats to a less-than-significant level.

Nesting Birds

The trees and shrubs within the biological study area provide suitable nesting habitat for bird species protected under the Migratory Bird Treaty Act (16 USC 703-712) and California Fish and Game Code Sections 3503.5, 3503, and 3513. Vegetation trimming or removal associated with the project could cause mortality to young or breeding adults and/or destruction of eggs or active nests if occurring during the general nesting season of February 1 through August 31. Implementation of MM-BIO-2, which requires nesting bird avoidance, would reduce potential direct impacts to nesting birds to a less-than-significant level.

Special-Status Birds

One special-status bird species, Cooper's hawk (*Accipiter cooperii*), has a moderate potential to nest in trees located within the biological study area. The species is designated as a California Department of Fish and Wildlife Watch List species. Due to the presence of suitable nesting habitat within the vicinity of the project site, there is potential for the species to occur and nest on site. Direct impacts may occur to nesting Cooper's hawk (i.e., direct impacts to individuals, active nests, eggs, or young) if project-related vegetation removal occurs during the general nesting season of February 1 through August 31. Implementation of MM-BIO-2, which requires nesting bird avoidance, would reduce potential direct impacts to special-status birds (Cooper's hawk) to a less-than-significant level.

Although burrowing owl (*Athene cunicularia*) has been documented within a 1-mile vicinity, burrowing owl has low potential for occurrence within the study area due to the lack of mammal burrows or other structures used for nests or shelter (e.g., pipes and culverts). Additionally, there are very high amounts of anthropogenic activities since it is an occupied residential area and there were visible, domesticated animals and potential predators, such as dogs and feral cats. As such, no impacts to burrowing owl are anticipated.

Indirect Impacts

Potential short-term indirect impacts to special-status wildlife could result from noise generated by construction activities conducted during the avian breeding season (February 1 through August 31). Construction-related noise has the potential to disrupt reproductive and feeding activities for nesting birds, including Cooper's hawk, potentially causing mortality due to the abandonment of an active nest. These

indirect impacts would be considered significant, absent mitigation. Project implementation of MM-BIO-2 (nesting bird avoidance) would reduce these potential indirect impacts to nesting birds including Cooper's hawk to a less-than-significant level. Nighttime construction would not occur, so indirect impacts to foraging special-status bats would not occur as a result of the project.

MM-BIO-1 Preconstruction Bat Survey. Vegetation removal shall occur outside of the bat maternity roosting season to avoid impacts to nursing tree roosting bats. If the project requires that work be initiated during the maternity season for tree roosting bats (March 1–August 31), a preconstruction emergence and acoustic monitoring survey shall be conducted during the preferred emergence period for western yellow bat (between sunset and 2 hours after) in the study area by a qualified biologist (someone who has more than 2 years of experience of conducting bat surveys) within 3 days prior to project activities in order to avoid direct impacts on potentially roosting special-status bats. If western yellow bat or any other special-status bats are not detected during the preconstruction bat survey, vegetation clearing/construction work shall be allowed to proceed without any potential impacts to the species. If western yellow bat is detected, then vegetation removal activities shall not be allowed to proceed until the bat maternity roosting season is over. The results of the preconstruction bat survey shall be documented in a field form that will be submitted to the City.

MM-BIO-2 Nesting Bird Avoidance. Project construction shall be conducted in compliance with the conditions set forth in the Migratory Bird Treaty Act and California Fish and Game Code to protect active bird/raptor nests. Vegetation removal shall occur during the non-breeding season for nesting birds and nesting raptors (October 1–January 31) to avoid impacts to nesting birds and raptors. If the project requires that work be initiated during the breeding season for nesting birds (March 1–September 30) and nesting raptors (February 1–June 30), in order to avoid direct impacts on active nests, a preconstruction survey shall be conducted in the study area by qualified biologists (someone who has more than 2 years of experience of conducting nesting bird surveys in the project region) for nesting birds and/or raptors within 3 days prior to project activities. If the biologist does not find any active nests within or immediately adjacent to the impact areas, the vegetation clearing/construction work shall be allowed to proceed.

If the biologist finds an active nest within or immediately adjacent to the construction area and determines that the nest may be impacted or breeding activities substantially disrupted, the biologist shall delineate an appropriate buffer zone around the nest depending on the sensitivity of the species and the nature of the construction activity. To protect any nest site, the following restrictions to construction activities shall be required until nests are no longer active, as determined by a qualified biologist (someone who has more than 3 years of experience of conducting nesting bird surveys and monitoring active nests during construction): (1) clearing limits shall be established within a buffer around any occupied nest; and (2) access and surveying shall be restricted within the buffer of any occupied nest, unless otherwise determined by a qualified Biologist (someone who has more than 5 years of experience of conducting nesting bird surveys and monitoring active nests during construction). The buffer shall be 100–300 feet for non-raptor nesting birds, 300–500 feet for nesting raptors (including Cooper's hawk). Construction can proceed into the buffer when the qualified biologist has determined that the nest is no longer active.

b) ***Would the project have a substantial adverse effect on any riparian habitat or other sensitive natural community identified in local or regional plans, policies, regulations, or by the California Department of Fish and Game or U.S. Fish and Wildlife Service?***

No Impact. The study area supports one land cover type (developed), as shown on Figure 10, and the proposed project site is within upland areas. The biological study area does not contain any riparian habitat or other sensitive natural community identified in local or regional plans, policies, regulations, or by the California Department of Fish and Game or USFWS. As such, impacts to these biological resources would not occur as a result of the project.

c) ***Would the project have a substantial adverse effect on state or federally protected wetlands (including, but not limited to, marsh, vernal pool, coastal, etc.) through direct removal, filling, hydrological interruption, or other means?***

No Impact. The biological study area supports one land cover type (developed), as shown on Figure 10, and the proposed project site is within upland areas. The study area does not contain any state or federally protected wetlands as described above (USFWS 2022b). As such, direct impacts to state or federally protected wetlands would not occur as a result of the project. No indirect impacts to state or federally protected wetlands would occur. The Santa Ana River is the closest natural body of water and is located approximately 1.3 miles south of the project site. The area between the project site and the river is highly developed, including an airport and runways.

d) ***Would the project interfere substantially with the movement of any native resident or migratory fish or wildlife species or with established native resident or migratory wildlife corridors, or impede the use of native wildlife nursery sites?***

Less-Than-Significant Impact with Mitigation Incorporated. The biological study area supports one land cover type (developed), as shown on Figure 10, and is surrounded residential development to the north, east, south, and west. The biological study area and project site does not function as a wildlife corridor or habitat linkage and does not occur within any designated wildlife corridors of habitat linkages. Additionally, the high levels of anthropogenic disturbances, presence of feral domesticated animals such as cats, fenced property lines, and the lack of suitable habitat on site make this lot unsuitable to be a corridor or nursery site. Therefore, impacts to wildlife corridors and habitat connectivity would not occur because of the project.

Western yellow bat has a moderate potential to roost within trees and shrubs on site. Therefore, the project could potentially impact nursing western yellow bats if vegetation removal activities occur during the maternity bat roosting season (March 1–August 31). Project implementation of MM-BIO-1 (Preconstruction Bat Survey) would reduce these potential impacts to a less-than-significant level. As discussed previously, project construction could potentially impact nesting/migratory bird protected under the Migratory Bird Treaty Act. Project implementation of MM-BIO-2, MM-BIO-3, and MM-BIO-4 (i.e., seasonal recommendations, preconstruction survey, avoidance buffers, and monitoring) would reduce these potential indirect impacts to a less-than-significant level.

e) ***Would the project conflict with any local policies or ordinances protecting biological resources, such as a tree preservation policy or ordinance?***

Less-Than-Significant Impact with Mitigation Incorporated. Applicable local ordinances protecting biological resources within the biological study area include the City of Highland Heritage Tree Protection Ordinance.

The City of Highland Heritage Tree Protection Ordinance

The City of Highland Heritage Trees Ordinance, Highland Municipal Code Chapter 8.36, provides means of regulating impacts and conservation of Heritage trees which is defined as "any live tree, shrub, or plant which meets at least on of the following criteria: all woody plants in excess of 15 feet in height and having a single trunk circumference of 24 inches DBH (Diameter at Breast Height) or more; or multitrunked tree(s) having a total circumference of 30 inches DBH or more; or a stand of tree, the nature of which makes each dependent upon the others for survival; or any other tree as may be deemed historically or culturally significant by the community development director or designee because of size, condition, location, or aesthetic qualities.(City of Highland, 2022)" An Arborist Report was prepared for the project and included an inventory and assessment of on-site trees, as well as replacement recommendations of off-site the loss of protected trees (Appendix C). The proposed site plan would require removal of 37 protected trees. Consistent with the City's requirements, a tree removal permit would be required for the removal of these trees. In addition, the project would result in the planting of approximately 74 trees in coordination with the City, resulting in a net increase of trees on the project site after construction. With implementation of the proper permitting, direct and indirect impacts on protected trees under the City's Heritage Trees Ordinance would be less than significant due to compliance with regulations.

f) ***Would the project conflict with the provisions of an adopted Habitat Conservation Plan, Natural Community Conservation Plan, or other approved local, regional, or state habitat conservation plan?***

No Impact. The biological study area is not within any habitat conservation plan, natural community conservation plan, or other approved local, regional, or state habitat conservation plan (CDFW 2019). As such, the project would not conflict with the provisions of an adopted conservation plan and no impact would occur.

3.5 Cultural Resources

	Potentially Significant Impact	Less Than Significant Impact With Mitigation Incorporated	Less Than Significant Impact	No Impact
V. CULTURAL RESOURCES – Would the project:				
a) Cause a substantial adverse change in the significance of a historical resource pursuant to §15064.5?	☐	☒	☐	☐
b) Cause a substantial adverse change in the significance of an archaeological resource pursuant to §15064.5?	☐	☒	☐	☐
c) Disturb any human remains, including those interred outside of formal cemeteries?	☐	☐	☒	☐

The following analysis is based, in part, on the Historical Resources Technical Report prepared by Dudek in July 2022, included as Appendix C and the Archaeological Resources Assessment prepared by Dudek in August 2022, included as Appendix D.

a) Would the project cause a substantial adverse change in the significance of a historical resource pursuant to §15064.5?

Less-than-Significant Impact. As defined by the CEQA Guidelines (14 CCR 15000 et seq.), a "historical resource" is considered to be a resource that is listed in or eligible for listing in the National Register of Historic Places (NRHP) or California Register of Historical Resources (CRHR), has been identified as significant in a historical resource survey, or is listed on a local register of historical resources. Under CEQA, a project may have a significant effect on the environment if it may cause "a substantial adverse change in the significance of an historical resource" (Public Resources Code Section 21084.1; 14 CCR 15064.5(b)). If a site is listed or eligible for listing in the CRHR, or included in a local register of historic resources, or identified as significant in a historical resources survey (meeting the requirements of Public Resources Code Section 5024.1(q)), it is a historical resource and is presumed to be historically or culturally significant for the purposes of CEQA (Public Resources Code Section 21084.1; 14 CCR 15064.5(a)).

A review of historical aerial photographs indicates that the proposed project site has been subjected to consistent ground disturbance, shifting from agricultural use in the 1930s and transforming steadily to include the development of buildings between the late 1930s to the mid-1980s. By 1985, Project site is shown to be consistent with the present site conditions.

A review of the California Historical Resources Information System (CHRIS) database records search for a 0.5-mile records search area around proposed project site identified 20 resources that are historic built environment resources; none of these resources overlap or are adjacent to the project site. No historic-period archaeological resources have been previously recorded within the project site or 0.5-mile records search area. It is important to note that the entirety of the project site has not been subject to any previous archaeological investigations. An archaeological pedestrian survey of the project site did not identify any archaeological resources within the project footprint that are historic in age.

An Historical Resources Technical Report was prepared for the properties containing built environment resources in May 2022 (Appendix D). The report includes the results of an intensive survey of the three properties containing built environment resources by a qualified architectural historian; building development and archival research; development of an appropriate historic context for the project site; and recordation and evaluation of three single-family residential properties over 45 years old for historical significance and integrity in consideration of NRHP, California Register of Historical Resources (CRHR), and City of Highland designation criteria and integrity requirements.

The Historical Resources Technical Report concluded that neither Property 1: 7747 Grape Street (APN 1192-261-23), Property 2: 7773 Grape Street (APN 1192-261-11), nor Property 3: 7769 Grape Street (APN 1192-261-12) appear eligible for listing in the NRHP, CRHR, or as a City of Highland Cultural Resource due to a lack of important historical associations, lack of architectural merit, and lack of integrity, nor do they appear eligible as contributors to an historic district. As such, Property 1, Property 2, and Property 3 are not considered historical resources for the purposes of CEQA. The recommended California Historical Resource Status Code for these properties is 6Z (found ineligible for the NRHP, CRHR, or local designation through survey evaluation).

Therefore, the project would not cause a substantial adverse change in the significance of a known historical resource pursuant to §15064.5. However, the potential for intact cultural deposits (archaeological in nature, as opposed to historic in nature) to exist within native soils (below between 1 and 2.5 feet below ground surface) to the depths of proposed ground disturbance is unknown. In the

event that unanticipated cultural resources are encountered during project implementation, an assessment and evaluation of the resource would be conducted potentially resulting in the determination that the resource is historical in accordance with the definition outlined in §15064.5. As a result, the project has a potential to impact and thus cause a substantial adverse change in the significance of a yet unknown historical resource.

Thus, mitigation is required to address impacts related to the inadvertent discovery of yet unknown historical resources, as outlined in MM-CUL-1, MM-CUL-2, and MM-CUL-3. MM-CUL-1 requires that all project construction personnel participate in a Workers Environmental Awareness Program training for the proper identification and treatment of inadvertent discoveries. MM-CUL-2 requires the retention of an on-call qualified archaeologist to address inadvertent discoveries. MM-CUL-3 requires construction work occurring within 100 feet of a cultural resource discovery be immediately halted until the qualified archaeologist, meeting the Secretary of Interior's Professional Qualification Standards for Archaeology, can assess and evaluate the discovery pursuant to CEQA. Additionally, MM-CUL-3 requires the inadvertent discovery clause be included on all construction plans. With implementation of MM-CUL-1, MM-CUL-2, and MM-CUL-3, significant impacts to historical resources would be reduced to less than significant with mitigation incorporated.

b) ***Would the project cause a substantial adverse change in the significance of an archaeological resource pursuant to §15064.5?***

Less-than-Significant Impact with Mitigation Incorporated. A CHRIS database records search, Native American Heritage Commission (NAHC) Sacred Lands File (SLF) search, background research, including a review of a geotechnical report, and an archaeological pedestrian survey were conducted as part of an Archaeological Resources Assessment that was prepared for the project (Appendix D).

The SLF record is maintained at a PLSS Section level meaning the negative or positive result is respective of a general area covering approximately one-square mile (640 acres) rather than the exact proposed project site. Therefore, as part of the process of identifying cultural resources within or near the proposed project, Dudek referenced the results of an SLF search that was previously completed for another project within a 0.5-mile to the south of the present project site (completed April 14, 2021). The NAHC's SLF search result was positive, however, as previously stated, the SLF record is maintained at a PLSS Section level, which indicates a recorded sacred site could be anywhere within this one square mile (640 acre) area and therefore, does not necessarily equate to the existence of resources within the specific area occupied by the proposed project site. A review of the CHRIS records search (completed May 10, 2022) indicates that 13 cultural resource studies have been conducted within a 0.5-mile of the project site between 1979 and 2013. None of these studies address the project site. This suggests that the proposed project site has not been subject to any archaeological investigations, including pedestrian surveys prior to the placement of fill soils or development of the proposed project site. South Central Coastal Information Center (SCCIC) records also indicate that 20 cultural resources, all of which are historic built environment resources, have been previously recorded within 0.5 miles of the proposed project site, none of which are located within or are adjacent to the proposed project site. No record of previously recorded historic-period or prehistoric archaeological resources are on file with the SCCIC as being present within proposed project site.

A review of aerial photographs for all available years indicates that in general, the proposed project site has been subjected to consistent ground disturbance, shifting from agricultural use in the 1930s and

transforming steadily to include the development of buildings between the late 1930s to the mid-1980s. By 1985, Project site is shown to be consistent with the present site conditions.

A review of a geotechnical report (Appendix E) prepared for the proposed project site determined that fills soils were encountered from surface to between 1 and 2.5 feet below existing ground surface within all two (2) exploratory boring and seven (7) trenching locations. Current project design indicates that the minimum depth of ground disturbance for the proposed project site is between 3 to 4 feet below the existing ground surface for final pad grade with a maximum depth of 15 feet below the existing ground surface for the installation of the infiltration basin within the southeastern portion of parcel 1192-261-12.

An intensive-level archaeological survey of the proposed Project site was conducted March 24, 2022. Ground surface visibility within the proposed project site was variable due to the current site conditions, including extant buildings and structures, landscaping, dense vegetation, some paved parking, pockets of degraded asphalt, staged vehicles and miscellaneous items, and stockpiled mix of soils, wood debris and animal waste specifically within APNs 1192-261-11 and 1192-261-24. Ground surface visibility within the project site include the following observations: APN 1192-261-11 within western half portion of the parcel ranged from non-existent to fair (0-30 precent) and ground surface visibility within the eastern half portion of the parcel was poor to fair (20 to 30 percent); APN 1192-261-12 within western half portion of the parcel ranged from non-existent to fair (0-30 precent) and ground surface visibility within the eastern half portion of the parcel was non-existent to fair (0 to 30 percent); APN 1192-261-23 within western half portion of the parcel ranged from non-existent to excellent (0-100 precent) and ground surface visibility within the eastern half portion of the parcel was non-existent to excellent (0 to 100 percent); and APN 1192-261-24 within the western half portion of the parcel ranged from non-existent to poor (0-20 precent) and ground surface visibility within the eastern half portion of the parcel was non-existent to poor (0 to 20 percent). Overall, the visible existing surface comprised of fill soils characterized brown, fine to medium grained silty sand with occasional gravel, wood chips, and manure, which are visible within the proposed project site as previously mentioned above. No cultural materials were observed within the proposed project site as a result of the archaeological pedestrian survey.

It should be noted, however, that the geotechnical study revealed that the proposed Project site is predominately covered in fill soils although the origin of the soils could not be determined. The presence of fill soils demonstrates that native soils within which cultural deposits might exist in context could not have been observed during the survey; this fact demonstrates that the survey findings are less than reliable. As such, any exposed soils observed during the survey were likely fill soils and not a good representation of the native soils present prior to development/ground disturbing activities.

In consideration of all these factors, the potential to encounter intact deposits containing archaeological resources within soils from the current grade and between 1 and 2.5 feet below existing ground surface is unlikely. However, the potential for intact cultural deposits to exist within native soils (below between 1 and 2.5 feet below existing ground surface) to the depths of proposed ground disturbance is unknown. For these reasons, the proposed project site should be treated as potentially sensitive for archaeological resources. In the event that unanticipated archaeological resources are encountered during project implementation, impacts to these resources would be potentially significant.

Thus, mitigation is required to address impacts related to the inadvertent discovery of archaeological resources during construction, as outlined in MM-CUL-1, MM-CUL-2, and MM-CUL-3. MM-CUL-1 requires that all project construction personnel participate in a Workers Environmental Awareness Program training for the proper identification and treatment of inadvertent discoveries. MM-CUL-2 requires the retention of

an on-call qualified archaeologist. MM-CUL-3 requires construction work occurring within 50 feet of a cultural resource discovery and 100 feet of a human remains discovery be immediately halted until the qualified archaeologist, meeting the Secretary of Interior's Professional Qualification Standards for Archaeology, can assess and evaluate the discovery pursuant to CEQA. Additionally, MM-CUL-3 requires the inadvertent discovery clause be included on all construction plans. With implementation of MM-CUL-1, MM- CUL-2, and MM-CUL-3, potentially significant impacts to unknown archaeological resources would be reduced to less than significant with mitigation incorporated.

MM-CUL-1 Workers Environmental Awareness Program. Prior to the start of construction activities, all construction personnel and monitors shall be trained regarding identification and treatment protocol for inadvertent discoveries of cultural resources (archaeological and tribal) and human remains. A basic presentation and handout or pamphlet shall be prepared in order to ensure proper identification and treatment of inadvertent discoveries of cultural resources and human remains. The purpose of the Workers Environmental Awareness Program (WEAP) training is to provide specific details on the kinds of materials that may be identified during ground disturbing activities and explain the importance of and legal basis for the protection of human remains and significant cultural resources. Each worker shall also be trained in the proper procedures to follow in the event that cultural resources or human remains are uncovered during ground disturbing activities. These procedures include but are not limited to work curtailment or redirection, and the immediate contact of the site supervisor and archaeological monitoring staff.

MM-CUL-2 Retention of an On-Call Qualified Archaeologist. A qualified archaeologist shall be retained and on-call to respond and address any inadvertent discoveries identified project implementation. Additionally, in consideration of the potential to encounter intact cultural deposits beneath fill soils, the qualified archaeologist shall survey the proposed project site once fill soils have been removed to ensure no cultural deposits underly the fill layer. If is determined, based on the aforementioned survey, that cultural resources are present or may be present and may be impacted during project construction, monitoring may be warranted. Additionally, any identified cultural resources shall be assessed and evaluated pursuant to CEQA. If it is determined that monitoring is warranted, a qualified archaeological principal investigator, meeting the Secretary of the Interior's Professional Qualification Standards, shall oversee and adjust monitoring efforts as needed (increase, decrease, or discontinue monitoring frequency) based on the observed potential for construction activities to encounter cultural deposits or material. The archaeological monitor will be responsible for maintaining daily monitoring logs.

MM-CUL-3 Inadvertent Discovery Clause. In the event that potential archaeological resources (sites, features, or artifacts) are exposed during ground disturbing, all construction work occurring not less than 100 feet of the find shall immediately stop and the qualified archaeologist that has been retained on call must be notified immediately to assess the significance of the find and determine whether or not additional study is warranted. Depending upon the significance of the find under the CEQA, the archaeologist may simply record the find and allow work to continue. If the discovery proves significant under CEQA, additional work (e.g., preparation of an archaeological treatment plan, testing, data recovery, or monitoring) may be warranted if the resource cannot be feasibly avoided.

In the event that human remains are inadvertently encountered during construction activities, the remains and associated resources shall be treated in accordance with state and local regulations that provide requirements with regard to the discovery of human remains, including California

Health and Safety Code Section 7050.5, California Public Resources Code Section 5097.98, and CEQA Guidelines Section 15064.5(e). In accordance with these regulations, if human remains are found, the County Coroner must be immediately notified of the discovery. No further excavation or disturbance of the Project site or any nearby (no less than 100 feet) area reasonably suspected to overlie adjacent remains can occur until the County Coroner has determined if the remains are potentially human in origin. If the County Coroner determines that the remains are, or are believed to be, Native American, he or she is required to notify the NAHC that shall notify those persons believed to be the most likely descendant. The most likely descendant shall determine, in consultation with the property owner, the disposition of the human remains.

c) ***Would the project disturb any human remains, including those interred outside of formal cemeteries?***

Less-than-Significant Impact. No prehistoric or historic period burials, including those interred outside of formal cemeteries, were identified within the proposed project site as a result of the CHRIS records search or pedestrian survey. Although the NAHC's SLF search result was positive, it is important to note that the results of the SLF provided by the NAHC relate to the general regional area within and surrounding the proposed project site and don't necessarily equate to the existence of resources or human remains within the specific proposed project site. In the event that human remains are inadvertently encountered during ground disturbing activities, they shall be treated consistent with state and local regulations including California Health and Safety Code Section 7050.5, California Public Resources Code Section 5097.98, and the California Code of Regulations Section 15064.5(e). In accordance with these regulations, if human remains are found, the County Coroner must be immediately notified of the discovery. No further excavation or disturbance of the Project site or any nearby (no less than 100 feet) area reasonably suspected to overlie adjacent remains can occur until the County Coroner has determined if the remains are potentially human in origin. If the County Coroner determines that the remains are, or are believed to be, Native American, he or she is required to notify the NAHC that shall notify those persons believed to be the most likely descendant. The most likely descendant shall determine, in consultation with the property owner, the disposition of the human remains. Compliance with these regulations would ensure that impacts to human remains resulting from the proposed project would be less than significant.

3.6 Energy

	Potentially Significant Impact	Less Than Significant Impact With Mitigation Incorporated	Less Than Significant Impact	No Impact
VI. Energy – Would the project:				
a) Result in potentially significant environmental impact due to wasteful, inefficient, or unnecessary consumption of energy resources, during project construction or operation?	☐	☐	☒	☐
b) Conflict with or obstruct a state or local plan for renewable energy or energy efficiency?	☐	☐	☒	☐

a) ***Would the project result in potentially significant environmental impact due to wasteful, inefficient, or unnecessary consumption of energy resources, during project construction or operation?***

Less-than-Significant Impact. The electricity and natural gas used for construction of the proposed project would be temporary, would be substantially less than that required for project operation, and would have a negligible contribution to the project's overall energy consumption. Although the project would see an increase in petroleum use during construction and operation, vehicles would use less petroleum due to advances in fuel economy and potential reduction in vehicle miles traveled (VMT) over time.

Construction

Electricity

Temporary electric power for as-necessary lighting and electronic equipment (such as computers inside temporary construction trailers) would be provided by Southern California Edison. The electricity used for such activities would be temporary, would be substantially less than that required for project operation, and would have a negligible contribution to the project's overall energy consumption.

Natural Gas

Natural gas is not anticipated to be required during construction of the project. Fuels used for construction would primarily consist of diesel and gasoline, which are discussed below under the Petroleum subsection. Any minor amounts of natural gas that may be consumed as a result of project construction would be substantially less than that required for project operation and would have a negligible contribution to the project's overall energy consumption.

Petroleum

Heavy-duty construction equipment associated with construction activities would rely on diesel fuel. Construction workers would travel to and from the project site throughout the duration of construction. It is assumed in this analysis that construction workers would travel to and from the site in gasoline-powered passenger vehicles.

Heavy-duty construction equipment of various types would be used during each phase of project construction. Appendix A-1 lists the assumed equipment usage for each phase of construction.

Fuel consumption from construction equipment was estimated by converting the total carbon dioxide (CO_2) emissions from each construction phase to gallons using the conversion factors for CO_2 to gallons of gasoline or diesel. Construction is estimated to occur in 2023 and 2024 based on the construction phasing schedule. The conversion factor for gasoline is 8.78 kilograms per metric ton CO_2 per gallon, and the conversion factor for diesel is 10.21 kilograms per metric ton CO_2 per gallon (The Climate Registry 2021). The estimated diesel fuel usage from construction equipment is shown in Table 3.6-1.

Table 3.6-1. Construction Equipment Diesel Demand

Phase	Pieces of Equipment	Equipment CO_2 (` MT)	kg/CO_2/Gallon	Gallons
Demolition	6	33.99	10.21	3,329.29
Site Preparation	7	8.36	10.21	819.07

Table 3.6-1. Construction Equipment Diesel Demand

Phase	Pieces of Equipment	Equipment CO_2 (`MT)	kg/CO_2/Gallon	Gallons
Grading	6	10.42	10.21	1,020.99
Building Construction	9	266.58	10.21	26,109.31
Paving	8	2.30	10.21	225.06
Architectural Coating	1	14.74	10.21	1,443.91
			Total	**22,366.16**

Sources: Pieces of equipment and equipment CO_2 (Appendix A-1); kg/CO_2/Gallon (The Climate Registry 2021).
Notes: CO_2 = carbon dioxide; MT = metric ton; kg = kilogram.

Fuel consumption from worker and vendor trips is estimated by converting the total CO_2 emissions from each construction phase to gallons using the conversion factors for CO_2 to gallons of gasoline or diesel. Worker vehicles are assumed to be gasoline and vendor vehicles are assumed to be diesel. The project also includes haul truck trips for the export of demolition waste and import of earthwork materials. Calculations for total worker, vendor truck and haul truck fuel consumption are provided in Table 3.6-2.

Table 3.6-2. Construction Worker and Vendor Gasoline and Diesel Demand

Phase	Trips	Vehicle MT CO_2	kg/CO_2/Gallon	Gallons
Worker (Gasoline)				
Demolition	320	1.35	8.78	154.12
Site Preparation	90	0.38	8.78	43.35
Grading	128	0.54	8.78	61.65
Building Construction	17,940	75.84	8.78	8,637.28
Paving	360	1.18	8.78	134.69
Architectural Coating	288	1.48	8.78	168.36
Vendor (Diesel)				
Demolition	80.00	0.70	10.21	68.28
Site Preparation	20.00	0.17	10.21	17.07
Grading	32.00	0.28	10.21	27.32
Building Construction	6,900.00	60.12	10.21	5,888.04
Paving	0.00	0.00	10.21	0.00
Architectural Coating	0.00	0.00	10.21	0.00
Haul (Diesel)				
Demolition	59.00	1.64	10.21	160.56
Site Preparation	0.00	0.00	10.21	0.00
Grading	932.00	25.90	10.21	2,536.32
Building Construction	0	0.00	10.21	0.00
Paving	0	0.00	10.21	0.00
Architectural Coating	0	0.00	10.21	0.00
			Total	**41,645.22**

Sources: Trips and vehicle CO2 (Appendix A-1); kg/CO2/Gallon (The Climate Registry 2021).
Notes: MT = metric ton; CO2 = carbon dioxide; kg = kilogram.

In summary, construction of the project is anticipated to consume 9,199 gallons of gasoline and 41,645 gallons of diesel over the course of 14 months. The project will be subject to CARB's In-Use Off-Road Diesel Vehicle Regulation that applies to certain off-road diesel engines, vehicles, or equipment greater than 25 horsepower. The regulation (1) imposes limits on idling, requires a written idling policy, and requires a disclosure when selling vehicles; (2) requires all vehicles to be reported to CARB (using the Diesel Off-Road Online Reporting System) and labeled; (3) restricts the adding of older vehicles into fleets starting on January 1, 2014; and (4) requires fleets to reduce their emissions by retiring, replacing, or repowering older engines, or installing Verified Diesel Emission Control Strategies (i.e., exhaust retrofits). The fleet must either show that its fleet average index was less than or equal to the calculated fleet average target rate, or that the fleet has met the Best Achievable Control Technology requirements. The project is also located in an urban area and worker, vendor, and haul truck trip lengths would be shorter compared to a suburban project location, resulting in less energy use. Therefore, impacts to energy resources during construction would be less than significant.

Operation

Electricity

The operation of the project would require electricity for multiple purposes, including cooling, lighting, appliances, and powering various equipment, such as electric forklifts. Additionally, the supply, conveyance, treatment, and distribution of water would indirectly result in electricity usage. Electricity consumption associated with project operation is based on the CalEEMod outputs and spreadsheet calculations for water, wastewater, and electric forklifts presented in Appendix A-1.

CalEEMod default values for energy consumption for each land use were applied for the project analysis. The energy use from non-residential land uses is calculated in CalEEMod based on the California Commercial End-Use Survey database. Energy use in buildings (both natural gas and electricity) is divided by the program into end use categories subject to Title 24 requirements (end uses associated with the building envelope, such as the heating, ventilation, and air conditioning [HVAC] system; water heating system; and integrated lighting) and those not subject to Title 24 requirements (such as appliances, electronics, and miscellaneous "plug-in" uses).

Title 24 of the California Code of Regulations serves to enhance and regulate California's building standards. The most recent amendments to Title 24, Part 6, referred to as the 2019 standards, became effective on January 1, 2020. According to these estimations, the project would consume approximately 652,547 kilowatt-hours per year during operation (Appendix A-1).

Natural Gas

The operation would require natural gas for various purposes, including water heating and natural gas appliances and natural gas forklifts. Natural gas consumption associated with operation is based on the CalEEMod outputs in Appendix A-1.

CalEEMod default values for energy consumption for each land use were applied for the project analysis. The energy use from non-residential land uses is calculated in CalEEMod based on the California Commercial End-Use Survey database. Energy use in buildings (both natural gas and electricity) is divided by the program into end use categories subject to Title 24 requirements (end uses associated with the

building envelope, such as the HVAC system, water heating system, and integrated lighting) and those not subject to Title 24 requirements (such as appliances, electronics, and miscellaneous "plug-in" uses).

Title 24 of the California Code of Regulations serves to enhance and regulate California's building standards. The most recent amendments to Title 24, Part 6, referred to as the 2019 standards, became effective on January 1, 2020. According to these estimations, the project would consume approximately 11,636,752 thousand British thermal units per year.

Petroleum

During operations, the majority of fuel consumption resulting from the project would involve the use of forklifts and motor vehicles traveling to and from the project site.

Petroleum fuel consumption associated with motor vehicles traveling to and from the project site is a function of the VMT as a result of project operation. As shown in Appendix A-1 and as discussed in Section 3.3 and Section 3.8, the annual VMT attributable to the project is expected to be 394,494 miles for passenger vehicles and 353,036 miles for trucks. Similar to the construction worker and vendor trips, fuel consumption from worker and truck trips are estimated by converting the total CO_2 emissions from operation of the project to gallons using the conversion factors for CO_2 to gallons of gasoline or diesel. Mobile source emissions were estimated using EMFAC2017. Calculations for annual mobile source fuel consumption are provided in Table 3.6-3.

Table 3.6-3. Operational Annual Mobile Source Petroleum Demand

Fuel	Source	Vehicle MT CO_2	kg/CO_2/Gallon	Gallons
Gasoline	Vehicles	452.31	8.78	51,516
Diesel	Vehicles	417.52	10.21	40,893
			Total	**92,409**

Sources: Trips and vehicle CO_2 (Appendix A-1); kg/CO_2/Gallon (The Climate Registry 2021).
Notes: MT = metric ton; CO_2 = carbon dioxide; kg = kilogram

As shown in Table 3.6-3, total petroleum consumption for the project annually is estimated to be 92,409 gallons.[16]

Summary

In summary, although natural gas and electricity usage would increase due to the implementation of the project, the project would be subject to the State Building Energy Efficiency Standards. Although the project would see an increase in petroleum use during construction and operation, vehicles would use less petroleum due to advances in fuel economy and potential reduction in VMT over time. Therefore, impacts to energy resources during operation would be less than significant.

Over the lifetime of the project, the fuel efficiency of the vehicles being used by the visitors and employees of the project is expected to increase. As such, the amount of gasoline consumed as a result of vehicular trips to and from the project site during operation would decrease over time. There are numerous regulations in place that require and encourage increased fuel efficiency. For example, CARB has adopted a new approach to passenger vehicles by combining the control of smog-causing pollutants and GHG emissions into a single coordinated package of standards. The new approach also includes efforts to

[16] For context, California as a whole is expected to consume approximately 18.0 billion gallons of petroleum per year by 2023 (CARB 2021). Countywide total petroleum use by vehicles is expected to be 1,114 million gallons per year by 2024 (CARB 2021).

support and accelerate the number of plug-in hybrids and zero-emission vehicles in California (CARB 2017a). Additionally, in response to Senate Bill (SB) 375, CARB has adopted the goal of reducing per-capita GHG emissions from 2005 levels by 8% by the year 2020 and 13% by the year 2035 for light-duty passenger vehicles in the SCAG planning area. This reduction would occur by reducing VMT through the integration of land use planning and transportation. As such, operation of the project is expected to use decreasing amounts of petroleum over time, due to advances in fuel economy.

The project would create additional electricity and natural gas demand by adding warehouse facilities. New facilities associated with the proposed project would be subject to the State Building Energy Efficiency Standards, embodied in Title 24 of the California Code of Regulations. The efficiency standards apply to new construction of non-residential buildings and regulate energy consumed for heating, cooling, ventilation, water heating, and lighting. The project will meet applicable Title 24 requirements, other renewable energy systems including wind turbine generation, geothermal generation, energy storage and other renewable energy generation features are not considered technically or economically feasible and or demonstrated for a similar project. Additionally, site constraints include limited land availability and incompatibility with land use for large scale power generation facilities as well as unknown interconnection feasibility and compatibility with utility provider systems. For these reasons other onsite renewable energy systems are not considered feasible for the proposed project.

In summary, implementation of the project would increase the demand for electricity and natural gas at the project site and petroleum consumption in the region during construction and operation. However, as the project would be consistent with current regulations and policies, the project would not be wasteful, inefficient, and would not result in unnecessary energy resource consumption. The project's energy consumption demands during construction and operation would conform to the State's Title 24 standards such that the project would not be expected to wastefully use gas and electricity. Since the proposed project would comply with Title 24 conservation standards, the proposed project would not directly require the construction of new energy generation or supply facilities or result in wasteful, inefficient, or unnecessary consumption of energy. Moreover, vehicle usage associated with the project would use less petroleum due to advances in fuel economy and potential reduction in VMT over time. Therefore, impacts would be less than significant.

b) Would the project conflict with or obstruct a state or local plan for renewable energy or energy efficiency?

Less-than-Significant Impact. The project would be subject to and would comply with, at a minimum, the California Building Energy Efficiency Standards (24 CCR, Part 6). Part 6 of Title 24 establishes energy efficiency standards for non-residential buildings constructed in California to reduce energy demand and consumption. As such, the project would comply with the California code requirements for energy efficiency.

Part 11 of Title 24 sets forth voluntary and mandatory energy measures that are applicable to the project under the California Green Building Standards, also known as CALGreen. CALGreen institutes mandatory minimum environmental performance standards for all ground-up, new construction of commercial, low-rise residential, high-rise residential, state-owned buildings, schools, and hospitals, as well as certain residential and non-residential additions and alterations. On this basis, the project would not conflict with or obstruct a state or local plan for renewable energy or energy efficiency. Therefore, impacts would be less than significant.

3.7 Geology and Soils

	Potentially Significant Impact	Less Than Significant Impact With Mitigation Incorporated	Less Than Significant Impact	No Impact
VII. GEOLOGY AND SOILS – Would the project:				
a) Directly or indirectly cause potential substantial adverse effects, including the risk of loss, injury, or death involving:				
i) Rupture of a known earthquake fault, as delineated on the most recent Alquist-Priolo Earthquake Fault Zoning Map issued by the State Geologist for the area or based on other substantial evidence of a known fault? Refer to Division of Mines and Geology Special Publication 42.	☐	☐	☐	☒
ii) Strong seismic ground shaking?	☐	☐	☒	☐
iii) Seismic-related ground failure, including liquefaction?	☐	☐	☒	☐
iv) Landslides?	☐	☐	☐	☒
b) Result in substantial soil erosion or the loss of topsoil?	☐	☐	☒	☐
c) Be located on a geologic unit or soil that is unstable, or that would become unstable as a result of the project, and potentially result in on- or off-site landslide, lateral spreading, subsidence, liquefaction or collapse?	☐	☐	☒	☐
d) Be located on expansive soil, as defined in Table 18-1-B of the Uniform Building Code (1994), creating substantial direct or indirect risks to life or property?	☐	☐	☒	☐
e) Have soils incapable of adequately supporting the use of septic tanks or alternative waste water disposal systems where sewers are not available for the disposal of waste water?	☐	☐	☐	☒
f) Directly or indirectly destroy a unique paleontological resource or site or unique geologic feature?	☐	☐	☐	☐

a) Would the project directly or indirectly cause potential substantial adverse effects, including the risk of loss, injury, or death involving:

i) Rupture of a known earthquake fault, as delineated on the most recent Alquist-Priolo Earthquake Fault Zoning Map issued by the State Geologist for the area or based on other substantial evidence of a known fault? Refer to Division of Mines and Geology Special Publication 42.

No Impact. The Alquist-Priolo Zones Special Studies Act defines active faults as those that have experienced surface displacement or movement during the last 11,000 years. As shown in Figure 6-2 of the General Plan, the City of Highland is traversed by the San Andreas Fault System (City of Highland 2006). The Alquist-Priolo Earthquake Fault Zone, as identified in the General Plan, is located 2.3 miles east of the project site (City of Highland 2006). The proposed development lies outside of any Alquist Priolo Special Studies Zone and the potential for damage due to direct fault rupture is considered unlikely (Appendix D-1, Geotechnical Investigation). Additionally, based on a review of the CDOC regulatory maps, the project site is not located in a designated Fault Hazard Zone (CDOC 2021). Therefore, no impacts associated with fault rupture would occur.

ii) Strong seismic ground shaking?

Less-than-Significant Impact. Similar to other areas located in the seismically active Southern California region, the City is susceptible to strong ground shaking during an earthquake. However, as previously addressed in Section 3.7(a)(i), the project site is located approximately 2.3 miles west of the San Andreas Fault Zone which is capable of producing an 8.3 Magnitude earthquake (City of Highland 2006). Pursuant to Title 15, Buildings and Construction, of the Highland Municipal Code, the project would incorporate the design recommendations included in its geotechnical report, which will be subject to review and approval by City staff prior to issuance of a grading permit. The project's geotechnical report provides specific design recommendations to ensure the structural integrity of the project in the event that seismic ground shaking is experienced at the project site. These recommendations include performing remedial grading, over-excavating existing soils, and recompacting these soils with structured fill, among other technical design recommendations (Appendix D-1). Additionally, the project's structures would be designed consistent with the most recent version of the California Building Code, which includes universal standards relating to seismic load requirements. With implementation of the recommendations of the project's geotechnical report, impacts associated with strong seismic ground shaking would be less than significant.

iii) Seismic-related ground failure, including liquefaction?

Less-than-Significant Impact. Liquefaction occurs when partially saturated soil loses its effective stress and enters a liquid state, which can result in the soil's inability to support structures above. Liquefaction can be induced by ground-shaking events and is dependent on soil saturation conditions. As shown in Figure 6-3 of the General Plan, the project site is not within a High Liquefaction Susceptibility Area (City of Highland 2006), and according to the project's Geotechnical Report, liquefaction is not a concern for the project site (Appendix D-1).

The project would involve the installation of an infiltration basin to capture, treat, and infiltrate stormwater flows on the site. A detailed Infiltration Study (Appendix D-2) was prepared to evaluate the suitability of the site for such a system, taking into account the characteristics of on-site soils. The infiltration study determined that the site is suitable for stormwater infiltration without increasing the potential for settlement

of both proposed and existing structures in the project area. Therefore, impacts associated with seismic-related ground failure, including liquefaction, would be less than significant.

iv) Landslides?

No Impact. The project site is relatively flat and is not within an area susceptible to landslides as shown in General Plan Figure 6-3 (City of Highland 2006). Therefore, no impact associated with landslides would occur on the proposed project site.

b) Would the project result in substantial soil erosion or the loss of topsoil?

Short-Term Construction Impacts

Less-than-Significant Impact. Ground surfaces that would be temporarily exposed during construction could result in erosion or loss of soil during storm events. Construction projects that involve the disturbance of 1 or more acres of soil, including clearing, grading, and disturbances to the ground such as stockpiling or excavation, are required to obtain coverage under the State Water Resources Control Board General Permit for Discharges of Stormwater Associated with Construction Activity (Construction General Permit). The Construction General Permit requires the development and implementation of a SWPP (SWRCB 2021a). Implementation of a Construction General Permit, including preparation of a SWPPP and installation of BMPs, would reduce the potential for both stormwater runoff and soil erosion impacts. Therefore, short-term construction impacts associated with soil erosion would be less than significant.

Long-Term Operational Impacts

Less-than-Significant Impact. Following construction of the project, ground surfaces would be covered by the proposed warehouse building or otherwise stabilized with landscaping and paving. The stormwater generated on site, along with any sediments contained within the stormwater, will be directed into an on-site corrugated metal pipe (CMP) infiltration system to be treated on site. Therefore, the potential for substantial soil erosion or the loss of topsoil is considered less than significant.

c) Would the project be located on a geologic unit or soil that is unstable, or that would become unstable as a result of the project, and potentially result in on- or off-site landslide, lateral spreading, subsidence, liquefaction or collapse?

Less-than-Significant Impact. As previously discussed, the potential for the project to result in or be affected by landslides and liquefaction is low, and these issues are not anticipated at the project site. The project would be designed consistent with the specific design recommendations of the project's geotechnical report, which provides recommendations to perform remedial grading, over-excavate existing soils, and recompact these soils with structured fill, among other technical design recommendations (Appendix D-1). Implementation of these recommendations would address these potentially hazardous conditions and ensure structural integrity in the event that seismic-related issues are experienced at the project site. With implementation of the recommendations of the project's geotechnical report, impacts would be less than significant.

d) ***Would the project be located on expansive soil, as defined in Table 18-1-B of the Uniform Building Code (1994), creating substantial direct or indirect risks to life or property?***

Less-than-Significant Impact. Expansive soils are characterized by their potential shrink/swell behavior. Shrink/swell is the change in volume (expansion and contraction) that occurs in certain fine-grained clay sediments from the cycle of wetting and drying. Much of the damage to building foundations, roads, and other structures can be caused by the swelling and shrinking of soils as a result of wetting and drying. The upper soils at the project site are very low (Expansion Index=0-20) in expansion potential (Appendix D-1). Further, compliance with California Building Code requirements would reduce the potential risk to people and structures due to unstable and expansive soils. Therefore, impacts associated with expansive soils would be less than significant.

e) ***Would the project have soils incapable of adequately supporting the use of septic tanks or alternative waste water disposal systems where sewers are not available for the disposal of waste water?***

No Impact. The proposed project would connect directly to the municipal sanitary sewer system and would not require septic tanks or any other alternative wastewater disposal system. Therefore, no impacts associated with the ability of soils to support septic tanks would occur.

f) ***Would the project directly or indirectly destroy a unique paleontological resource or site or unique geologic feature?***

Less-than-Significant Impact with Mitigation Incorporated. The geologic units underlying the project site as primarily fill soils encountered at the ground surface. The fill soils generally consist of silty sand with occasional gravel. Native soils generally consisting of silty sand to slightly silty sand with some gravel with occasional small cobbles were encountered beneath the upper fill soils (Appendix D-1). As is the case with most development projects that involve earthwork activity, there is always a possibility that subsurface construction activity could unearth a potentially significant paleontological resource. MM-GEO-1 would be required to ensure that subsurface construction activity complies with the standard procedures for treatment of unanticipated discovered of paleontological resources; therefore, with incorporation of mitigation, impacts associated with paleontological resources would be less than significant.

MM-GEO-1 Discovery of Paleontological Resources. In the event that paleontological resources (i.e., fossil remains) are exposed during construction activities for the project, all construction work occurring within 50 feet of the find shall immediately stop until a qualitied paleontologist, as defined by the Society of Vertebrate Paleontology's guidelines, can assess the nature and importance of the find. Depending on the significance of the find, the qualified paleontologist may record the find and allow work to continue or may recommend salvage and recovery of the resource. All recommendations shall be made in accordance with the Society of Vertebrate Paleontology's guidelines and shall be subject to review and approval by the City of Highland. Work in the area of the find may only resume upon approval of a qualified paleontologist.

3.8 Greenhouse Gas Emissions

	Potentially Significant Impact	Less Than Significant Impact With Mitigation Incorporated	Less Than Significant Impact	No Impact
VIII. GREENHOUSE GAS EMISSIONS – Would the project:				
a) Generate greenhouse gas emissions, either directly or indirectly, that may have a significant impact on the environment?	☐	☐	☒	☐
b) Conflict with an applicable plan, policy or regulation adopted for the purpose of reducing the emissions of greenhouse gases?	☐	☐	☒	☐

a) Would the project generate greenhouse gas emissions, either directly or indirectly, that may have a significant impact on the environment?

Less-than-Significant Impact. Climate change refers to any significant change in measures of climate (e.g., temperature, precipitation, or wind patterns) lasting for an extended period of time (i.e., decades or longer). The Earth's temperature depends on the balance between energy entering and leaving the planet's system, and many factors (natural and human) can cause changes in Earth's energy balance. The greenhouse effect is the trapping and buildup of heat in the atmosphere near the Earth's surface (the troposphere). The greenhouse effect is a natural process that contributes to regulating the Earth's temperature, and it creates a livable environment on Earth. Human activities that emit additional GHGs to the atmosphere increase the amount of infrared radiation that gets absorbed before escaping into space, thus enhancing the greenhouse effect and causing the Earth's surface temperature to rise. Global climate change is a cumulative impact; a project contributes to this impact through its incremental contribution combined with the cumulative increase of all other sources of GHGs. Thus, GHG impacts are recognized exclusively as cumulative impacts (CAPCOA 2008).

A GHG is any gas that absorbs infrared radiation in the atmosphere; in other words, GHGs trap heat in the atmosphere. As defined in California Health and Safety Code Section 38505(g) for purposes of administering many of the state's primary GHG emissions reduction programs, GHGs include CO_2, methane (CH_4), nitrous oxide (N_2O), hydrofluorocarbons, perfluorocarbons, sulfur hexafluoride, and nitrogen trifluoride (see also CEQA

Guidelines Section 15364.5).[17] The three GHGs evaluated herein are CO_2, CH_4, and N_2O because these gases would be emitted during project construction and operation.

The Intergovernmental Panel on Climate Change developed the global warming potential (GWP) concept to compare the ability of each GHG to trap heat in the atmosphere relative to another gas. The reference gas used is CO_2; therefore, GWP-weighted emissions are measured in metric tons (MT) of CO_2 equivalent (CO_2e). Consistent with CalEEMod Version 2020.4.0, this GHG emissions analysis assumed the GWP for CH_4 is 25 (i.e., emissions of 1 MT of CH_4 are equivalent to emissions of 25 MT of CO_2), and the GWP for N_2O is 298, based on the Intergovernmental Panel on Climate Change's Fourth Assessment Report (IPCC 2007).

As discussed in Section 3.3, the project is located within SCAQMD jurisdictional boundaries. In October 2008, the SCAQMD proposed recommended numeric CEQA significance thresholds for GHG emissions for lead agencies to use in assessing GHG impacts of residential and commercial development projects as presented in its Draft Guidance Document—Interim CEQA Greenhouse Gas (GHG) Significance Threshold (SCAQMD 2008b). This document, which builds on the previous guidance prepared by the California Air Pollution Control Officers Association, explored various approaches for establishing a significance threshold for GHG emissions. The draft interim CEQA thresholds guidance document was not adopted or approved by the Governing Board. However, in December 2008, the SCAQMD adopted an interim 10,000 MT CO_2e per-year screening level threshold for stationary source/industrial projects for which the SCAQMD is the lead agency (SCAQMD 2008b). The 10,000 MT CO_2e per-year threshold, which was derived from GHG reduction targets established in Executive Order S-3-05, was based on the conclusion that the threshold was consistent with achieving an emissions capture rate of 90% of all new or modified stationary source projects.

The SCAQMD formed a GHG CEQA Significance Threshold Working Group to work with SCAQMD staff on developing GHG CEQA significance thresholds until statewide significance thresholds or guidelines are established. From December 2008 to September 2010, the SCAQMD hosted working group meetings and revised the draft threshold proposal several times, although it did not officially provide these proposals in a subsequent document. The SCAQMD has continued to consider adoption of significance thresholds for residential and general land-use development projects. The most recent proposal issued by SCAQMD, issued in September 2010, uses the following tiered approach to evaluate potential GHG impacts from various uses (SCAQMD 2010):

Tier 1. Determine if CEQA categorical exemptions are applicable. If not, move to Tier 2.

Tier 2. Consider whether or not the project is consistent with a locally adopted GHG reduction plan that has gone through public hearing and CEQA review, that has an approved inventory, includes monitoring, etc. If not, move to Tier 3.

Tier 3. Consider whether the project generates GHG emissions in excess of screening thresholds for individual land uses. The 10,000 MT CO_2e per-year threshold for industrial uses would be recommended for use by all lead agencies. Under option 1, separate screening thresholds are proposed for residential projects (3,500 MT CO_2e per year), commercial projects (1,400 MT CO_2e per year), and mixed-use projects (3,000 MT CO_2e per year). Under option 2, a single numerical screening threshold of 3,000 MT CO_2e per year would be used for all non-industrial projects. If the project generates emissions in excess of the applicable screening threshold, move to Tier 4.

17 Climate-forcing substances include greenhouse gases (GHGs) and other substances such as black carbon and aerosols. This discussion focuses on the seven GHGs identified in the California Health and Safety Code Section 38505; impacts associated with other climate-forcing substances are not evaluated herein.

Construction Greenhouse Gas Emissions

Construction of the project would result in GHG emissions, which are primarily associated with the use of off-road construction equipment, on-road haul and vendor trucks, and worker vehicles. The SCAQMD Draft Guidance Document – Interim CEQA Greenhouse Gas (GHG) Significance Threshold (SCAQMD 2008b) recommends that "construction emissions be amortized over a 30-year project lifetime, so that GHG reduction measures will address construction GHG emissions as part of the operational GHG reduction strategies." Thus, the total construction GHG emissions were calculated, amortized over 30 years, and added to the total operational emissions for comparison with the GHG significance threshold of 3,000 MT CO_2e per year. The determination of significance, therefore, is addressed in the operational emissions discussion following the estimated construction emissions.

CalEEMod was used to calculate the annual GHG emissions based on the construction scenario described in Section 3.3. Construction of the project is anticipated to commence in January 2023, lasting a total of 14 months and reaching completion in February 2024. On-site sources of GHG emissions include off-road equipment and off-site sources include haul trucks, vendor trucks, and worker vehicles. Table 3.8-1 presents construction GHG emissions for the project from on-site and off-site emission sources.

Table 3.8-1. Estimated Annual Construction Greenhouse Gas Emissions

Year	CO_2	CH_4	N_2O	CO_2e
	Metric Tons per Year			
2023	481.06	0.08	0.02	487.73
2024	24.91	0.01	<0.01	25.12
			Total	512.85
			Amortized Emissions (over 30 years)	17.01

Source: Appendix A-1.
Notes: CO_2 = carbon dioxide; CH_4 = methane; N_2O = nitrous oxide; CO_2e = carbon dioxide equivalent.

As shown in Table 3.8-1, the estimated total GHG emissions during construction of the project would be approximately 513 MT CO_2e. Estimated project-generated construction emissions amortized over 30 years would be approximately 17 MT CO_2e per year. As with project-generated construction air quality pollutant emissions, GHG emissions generated during construction of the project would be short-term in nature, lasting only for the duration of the construction period, and would not represent a long-term source of GHG emissions. Because there is no separate GHG threshold for construction, the evaluation of significance is discussed in the operational emissions analysis in the following text.

Operational Greenhouse Gas Emissions

CalEEMod Version 2020.4.0 was used to estimate potential project-generated and exiting land use operational GHG emissions from area sources (landscape maintenance), natural gas combustion, electrical generation, water supply and wastewater treatment, solid waste, and off-road equipment (forklifts). As with the air quality analysis, mobile source GHG emissions were estimated using CalEEMod based on EMFAC2017 emission factors. Emissions from each category—area sources, energy sources, mobile sources, solid waste, water supply and wastewater treatment, and off-road equipment—are discussed in the following text with respect to the project. For additional details, see Section 3.3 for a discussion of operational emission calculation methodology and assumptions, specifically for area, energy (natural gas), and mobile sources. Operational year 2024 was assumed to be the first full year of operation following completion of construction.

Area Sources

CalEEMod was used to estimate GHG emissions from the project's area sources, including operation of gasoline-powered landscape maintenance equipment, which produce minimal GHG emissions. It was assumed that 100% of the landscaping equipment would be gasoline powered. Consumer product use and architectural coatings result in VOC emissions, which are analyzed in air quality analysis only, and low to no GHG emissions.

Energy Sources

The estimation of operational energy emissions was based on CalEEMod land use defaults and square footage of the project's land uses. For non-residential buildings, CalEEMod energy intensity value (electricity or natural gas usage per square foot per year) assumptions were based on the California Commercial End-Use Survey database. Emissions are calculated by multiplying the energy use by the utility carbon intensity (pounds of GHGs per kilowatt-hour for electricity or 1,000 British thermal units for natural gas) for CO_2 and other GHGs.

The current Title 24, Part 6 standards, referred to as the 2019 Title 24 Building Energy Efficiency Standards, became effective on January 1, 2020. The current version of CalEEMod assumes compliance with the 2019 Title 24 Building Energy Efficiency Standards (CAPCOA 2021).

The CalEEMod default energy intensity factor (CO_2, CH_4, and N_2O mass emissions per kilowatt-hour) were utilized for Southern California Edison. SB X1 2 established a target of 33% from renewable energy sources for all electricity providers in California by December 31, 2020, and SB 100 calls for further development of renewable energy, with a target of 44% by December 31, 2024; 52% by December 31, 2027; and 60% by December 31, 2030. As such, GHG emissions associated with project electricity demand would continue to decrease over time.

Mobile Sources

All details for criteria air pollutants discussed in Section 3.3 are also applicable for the estimation of operational mobile source GHG emissions. It was assumed that the warehouse would operate 7 days per week; therefore, 365 days of vehicle emissions were assumed. Regulatory measures related to mobile sources include Assembly Bill (AB) 1493 (Pavley) and related federal standards. AB 1493 required that CARB establish GHG emission standards for automobiles, light-duty trucks, and other vehicles determined by CARB to be vehicles that are primarily used for noncommercial personal transportation in the state. In addition, the National Highway Traffic Safety Administration and EPA have established corporate fuel economy standards and GHG emission standards, respectively, for automobiles and light-, medium-, and heavy-duty vehicles. Implementation of these standards and fleet turnover (replacement of older vehicles with newer ones) will gradually reduce emissions from the project's motor vehicles. The effectiveness of fuel economy improvements was evaluated to the extent it was captured in the EMFAC2017 emission factors for motor vehicles in 2024.

The Advanced Clean Trucks Regulation was approved by CARB in 2020. The purpose of the Advanced Clean Trucks Regulation is to accelerate the market for zero-emission vehicles in the medium- and heavy-duty truck sector and to reduce air pollutant emissions generated from on-road mobile sources (CARB 2020). The regulation has two components including a (1) manufacturer sales requirement and (2) a reporting requirement:

1. Zero-emission truck sales: Manufacturers who certify Class 2b-8 chassis or complete vehicles with combustion engines will be required to sell zero-emission trucks as an increasing percentage of

their annual California sales from 2024 to 2035. By 2035, zero-emission truck/chassis sales would need to be 55% of Class 2b – 3 truck sales, 75% of Class 4 – 8 straight truck sales, and 40% of truck tractor sales.

2. Company and fleet reporting: Large employers including retailers, manufacturers, brokers and others will be required to report information about shipments and shuttle services. Fleet owners, with 50 or more trucks, will be required to report about their existing fleet operations. This information will help identify future strategies to ensure that fleets purchase available zero-emission trucks and place them in service where suitable to meet their needs.

Solid Waste

The project would generate solid waste and therefore, would result in CO_2e emissions associated with landfill off-gassing. CalEEMod default values for solid waste generation were used to estimate GHG emissions associated with solid waste.

Water and Wastewater

Supply, conveyance, treatment, and distribution of water for the project require the use of electricity, which would result in associated indirect GHG emissions. Similarly, wastewater generated by the project requires the use of electricity for conveyance and treatment, along with GHG emissions generated during wastewater treatment. Water consumption estimates for both indoor and outdoor water use and associated electricity consumption from water use and wastewater generation were estimated using CalEEMod default values.

Off-Road Equipment

The SCAQMD published a summary of operational survey results from 34 operating high-cube warehouses (SCAQMD 2014). The SCAQMD survey reported an average of 0.12 forklifts/pallet jacks per 1,000 square feet of building area, which was applied to the project. Note that this estimate is for total forklifts and pallet jacks. Pallet jacks are small as they are primarily used to lift small loads in tight quarters (and are electric or manual); therefore, assuming all pieces of equipment are forklifts is conservative. For the project, a total of 11 forklifts were assumed. All 11 forklifts are assumed to operate 8 hours per day and 7 days per week at the project site, see Appendix A-1 for details.

The estimated operational (year 2024) net GHG emissions (project-generated GHG emissions minus existing land use GHG emissions) from area sources, energy usage, motor vehicles, solid waste generation, water usage and wastewater generation, and off-road equipment are shown in Table 3.8-2.

Table 3.8-2. Estimated Annual Operational Greenhouse Gas Emissions

Emission Source	CO_2	CH_4	N_2O	CO_2e
	metric tons per year			
Proposed Project				
Area	<0.01	<0.01	0.00	<0.01
Energy	48.70	<0.01	0.00	48.96
Mobile	869.95	0.03	0.10	900.87
Solid waste	17.29	1.02	0.00	42.83
Water supply and wastewater	56.38	0.069	0.02	78.49

Table 3.8-2. Estimated Annual Operational Greenhouse Gas Emissions

Emission Source	CO_2	CH_4	N_2O	CO_2e
	metric tons per year			
Off-road equipment[1]	607.79	0.20	0.00	612.71
			Project Total	1,683.85
Existing Land Uses				
Area	1.31	<0.01	<0.01	1.35
Energy	11.69	<0.01	<0.01	11.75
Mobile	42.45	<0.01	<0.01	43.15
Solid waste	0.92	0.05	0.00	2.27
Water supply and wastewater	1.01	<0.01	<0.01	1.29
			Existing Land Uses Total	59.80
			Amortized Construction Emissions	*17.01*
Net Emissions (Proposed Project + Amortized Construction Total – Existing Land Uses) Total				1,641.06

Source: Appendix A-1.
Notes: CO_2 = carbon dioxide; CH_4 = methane; N_2O = nitrous oxide; CO_2e = carbon dioxide equivalent.
1 Includes **MM-AQ-2**, which requires the use of compresssed natural gas or electric powered forklifts during opreation of the project. To provide a conservative estiamte of emissions, CNG forklifts emissions are shown.

As shown in Table 3.8-2, estimated annual generated GHG emissions would be approximately 1,684 MT CO_2e per year as a result of project operation. Estimated net-annual operational emissions in 2024 with amortized project construction emissions of approximately 17 MT CO_2e per year and existing land use emissions of 335 would be approximately 1,641 MT CO_2e per year. Annual operational GHG emissions with amortized construction emissions would not exceed the SCAQMD recommended threshold of 3,000 MT CO_2e per year.

b) Would the project generate conflict with an applicable plan, policy or regulation adopted for the purpose of reducing the emissions of greenhouse gases?

Less-than-Significant Impact. The project would result in less-than-significant impacts related to conflicts with GHG emission reduction plans, for the reasons described as follows.

3.9 Hazards and Hazardous Materials

	Potentially Significant Impact	Less Than Significant Impact With Mitigation Incorporated	Less Than Significant Impact	No Impact
IX. HAZARDS AND HAZARDOUS MATERIALS – Would the project:				
a) Create a significant hazard to the public or the environment through the routine transport, use, or disposal of hazardous materials?	☐	☐	☒	☐
b) Create a significant hazard to the public or the environment through reasonably foreseeable upset and accident conditions involving the release of hazardous materials into the environment?	☐	☐	☒	☐
c) Emit hazardous emissions or handle hazardous or acutely hazardous materials, substances, or waste within one-quarter mile of an existing or proposed school?	☐	☐	☐	☒
d) Be located on a site that is included on a list of hazardous materials sites compiled pursuant to Government Code Section 65962.5 and, as a result, would it create a significant hazard to the public or the environment?	☐	☐	☐	☒
e) For a project located within an airport land use plan or, where such a plan has not been adopted, within two miles of a public airport or public use airport, would the project result in a safety hazard or excessive noise for people residing or working in the project area?	☐	☐	☒	☐
f) Impair implementation of or physically interfere with an adopted emergency response plan or emergency evacuation plan?	☐	☐	☒	☐
g) Expose people or structures, either directly or indirectly, to a significant risk of loss, injury or death involving wildland fires?	☐	☐	☐	☒

a) Would the project create a significant hazard to the public or the environment through the routine transport, use, or disposal of hazardous materials?

Short-Term Construction Impacts

In November 2021, a Phase I ESA was prepared by Hazard Management Consulting Inc. to characterize the potential hazards associated with the historical and current uses of the project site and surrounding

areas (Appendix E). Historical uses of the project site included agricultural and vacant land from as early as 1930. The site was developed with primarily residential uses along with some small industrial operations over the years. According to City records dating back to the 1970s, the site has been noted to have been used by several residential occupants. Currently, the site remains in residential use along with vehicle storage and livestock.

Based on the results of the research, available data, and a site survey, the Phase I ESA (Appendix E) did not identify any recognized environmental conditions (REC), historical recognized environmental conditions (HREC), or controlled recognized environmental condition (CREC).

In addition, the Phase I ESA noted that due to the age of the on-site buildings and structures, it is likely that asbestos-containing materials (ACM) was used in their construction. Demolition of these buildings and structures can cause encapsulated ACM (if present) to become friable and, once airborne, would be considered a carcinogen. A carcinogen is a substance that causes cancer or helps cancer grow. Such releases could pose significant risks to persons living and working in and around the project area, as well as to project construction workers. Due to this likelihood of ACMs being present in the existing site buildings, a pre-demolition ACM survey should be conducted prior to any disturbance of suspected ACMs.

Abatement of all ACM encountered during any future building demolition activities would be required to be conducted in accordance with all applicable laws and regulations, including those of the EPA (which regulates disposal), Occupational Safety and Health Administration (OSHA), U.S. Department of Housing and Urban Development, Cal/OSHA (which regulates employee exposure), and SCAQMD.

For example, the EPA requires that all asbestos work performed within regulated areas be supervised by a person who is trained as an asbestos supervisor (EPA Asbestos Hazard Emergency Response Act, 40 CFR 763). SCAQMD's Rule 1403 requires that buildings undergoing demolition or renovation be surveyed for ACM prior to any demolition or renovation activities. Should ACM be identified, Rule 1403 requires that ACM be safely removed and disposed of at a regulated disposal site, if possible. If it is not possible to safely remove ACM, Rule 1403 requires that safe procedures be used to demolish the building with asbestos in place without resulting in a significant release of asbestos to the environment. Additionally, during demolition, grading, and excavation, all construction workers would be required to comply with the requirements of Title 8 of the California Code of Regulations, Section 1529 (Asbestos), which provides the exposure limits, exposure monitoring, respiratory protection, and good working practices by workers exposed to asbestos.

Mandatory compliance with these regulatory requirements would ensure that construction workers and the public are not exposed to significant ACM health hazards during demolition and/or transport of demolition waste to an appropriate disposal facility, and would ensure that impacts related to ACM are less than significant.

Potentially hazardous materials would likely be handled on the project site as part of project construction. These materials would include gasoline, diesel fuel, lubricants, and other petroleum-based products required to operate and maintain construction equipment. Handling of these potentially hazardous materials would be temporary and would coincide with the short-term construction phase of the project.

Although these materials would likely be stored on the project site, storage would be required to comply with the guidelines set forth by each product's manufacturer and with all applicable federal, state, and local regulations pertaining to the storage of hazardous materials. Consistent with federal, state, and local requirements, the transport of hazardous materials to and from the project site would be conducted by a licensed contractor. Any handling, transport, use, or disposal of hazardous materials would comply with all relevant federal, state, and local agencies and regulations, including EPA, the California Department of Toxic Substances Control, OSHA, the California Department of Transportation (Caltrans), the Resource Conservation and Recovery Act, and the SCAQMD. Therefore, with compliance with applicable regulations, short-term construction impacts related to the transport, use or disposal of hazardous materials would be less than significant.

Long-Term Operational Impacts

Potentially hazardous materials associated with project operations would include materials used during typical cleaning and maintenance activities. Although these potentially hazardous materials would vary, they would generally include household cleaning products, paints, fertilizers, and herbicides and pesticides. Many of these materials are considered household hazardous wastes, common wastes, and/or universal wastes by the EPA, which considers these types of wastes to be common to businesses and households and to pose a lower risk to people and the environment than other hazardous wastes when properly handled, transported, used, and disposed of (EPA 2021). Federal, state, and local regulations typically allow these types of wastes to be handled and disposed of with less stringent standards than other hazardous wastes, and many of these wastes do not have to be managed as hazardous waste. Additionally, any potentially hazardous material handled on the project site would be limited in both quantity and concentrations, consistent with other similar industrial uses located in the City, and any handling, transport, use, and disposal would comply with applicable federal, state, and local agencies and regulations. Further, as mandated by OSHA (OSHA n.d.), all hazardous materials stored on the project site would be accompanied by a Material Safety Data Sheet, which would inform employees and first responders as to the necessary remediation procedures in the case of accidental release. Therefore, long-term operational impacts associated with hazardous materials would be less than significant.

b) Would the project create a significant hazard to the public or the environment through reasonably foreseeable upset and accident conditions involving the release of hazardous materials into the environment?

Less-than-Significant Impact. Refer to response provided in Section 3.9(a).

c) Would the project emit hazardous emissions or handle hazardous or acutely hazardous materials, substances, or waste within one-quarter mile of an existing or proposed school?

No Impact. The nearest school to the project site is Cypress Elementary School (26825 Cypress St.), which is located 0.47 miles east of the project site. Therefore, no impacts associated with emitting or handling hazardous materials within 0.25 miles of a school would occur.

d) ***Would the project be located on a site that is included on a list of hazardous materials sites compiled pursuant to Government Code Section 65962.5 and, as a result, would it create a significant hazard to the public or the environment?***

No Impact. The project site is not included on any hazardous waste site lists, including the California Department of Toxic Substances Control's EnviroStor database, the State Water Resources Control Board's GeoTracker site, the Cortese list, or other lists compiled pursuant to Section 65962.5 of the Government Code (CalEPA 2022; DTSC 2022; SWRCB 2022b). Therefore, no impacts associated with hazardous materials sites would occur.

e) ***For a project located within an airport land use plan or, where such a plan has not been adopted, within two miles of a public airport or public use airport, would the project result in a safety hazard or excessive noise for people residing or working in the project area?***

Less-than-Significant Impact. The San Bernardino International Airport and Trade Center (SBIA) is located approximately 0.4 miles south of the project site. The SBIA includes two distinct components: 1) the airport portions (and related facilities) of the former Norton Air Force Base, and 2) the Trade Center, which encompasses the non-airport related portions of the former base. The project site is located within the Airport Influence Area (General Plan Figure 6-7) outlined in the City's General Plan (City of Highland 2006). As required by state law for real estate transactions within the Airport Influence Area, notification/disclosure statements are required to alert potential buyers and tenants of the presence of and potential impacts from the San Bernardino International Airport. The San Bernardino Airport Land Use Plan is currently being drafted and was not available at the time of this report. Nonetheless, the Federal Aviation Administration Regulations Title 14 Part 77 determines restrictions to obstructions and height limitations for structures taller than 200 feet or within 20,000 feet of an airport. The proposed project would be consistent with the general land use of the area. Additionally, the project would be consistent with §19.20.015 Noise Standards. Therefore, a less than significant impact would occur.

f) ***Would the project impair implementation of or physically interfere with an adopted emergency response plan or emergency evacuation plan?***

Less-than-Significant Impact. The City of Highland has an Emergency Operations Plan to ensure the most effective and economical allocation of resources for the maximum benefit and protection of the City in times of emergency. No revisions to this plan would occur as a result of the project. The project does not propose any changes to the geometry of evacuation route roadways to the extent that these roadways' ability to serve as emergency evacuation routes would be compromised. As a result, the project would not significantly affect emergency response or evacuation activities. Therefore, impacts would be less than significant.

g) ***Would the project expose people or structures, either directly or indirectly, to a significant risk of loss, injury or death involving wildland fires?***

No Impact. The City's General Plan does not designate the project site as an area that would be at risk from wildland fires. Although there are currently some isolated vacant lots in the vicinity of the project site, the area surrounding the project site is largely developed and would not likely aid the spread of wildfire. Therefore, no direct or indirect impacts due to wildfire would occur.

3.10 Hydrology and Water Quality

	Potentially Significant Impact	Less Than Significant Impact With Mitigation Incorporated	Less Than Significant Impact	No Impact
X. HYDROLOGY AND WATER QUALITY – Would the project:				
a) Violate any water quality standards or waste discharge requirements or otherwise substantially degrade surface or ground water quality?	☐	☐	☒	☐
b) Substantially decrease groundwater supplies or interfere substantially with groundwater recharge such that the project may impede sustainable groundwater management of the basin?	☐	☐	☒	☐
c) Substantially alter the existing drainage pattern of the site or area, including through the alteration of the course of a stream or river or through the addition of impervious surfaces, in a manner which would:				
i) result in substantial erosion or siltation on- or off-site;	☐	☐	☒	☐
ii) substantially increase the rate or amount of surface runoff in a manner which would result in flooding on- or offsite;	☐	☐	☒	☐
iii) create or contribute runoff water which would exceed the capacity of existing or planned stormwater drainage systems or provide substantial additional sources of polluted runoff; or	☐	☐	☒	☐
iv) impede or redirect flood flows?	☐	☐	☐	☒
d) In flood hazard, tsunami, or seiche zones, risk release of pollutants due to project inundation?	☐	☐	☒	☐
e) Conflict with or obstruct implementation of a water quality control plan or sustainable groundwater management plan?	☐	☐	☒	☐

a) Would the project violate any water quality standards or waste discharge requirements or otherwise substantially degrade surface or ground water quality?

Short-Term Construction Impacts

Less-than-Significant Impact. Construction of the project would include earthwork activities that could potentially result in erosion and sedimentation, which could subsequently degrade downstream receiving

waters and violate water quality standards. Stormwater runoff during the construction phase may contain silt and debris, resulting in a short-term increase in the sediment load of the municipal storm drain system. Substances such as oils, fuels, paints, and solvents may be inadvertently spilled on the project site and subsequently conveyed via stormwater to nearby drainages, watersheds, and groundwater.

For stormwater discharges associated with construction activity in the State of California, the State Water Resources Control Board (SWRCB) has adopted the General Permit for Storm Water Discharges Associated with Construction and Land Disturbance Activities (Construction General Permit) to avoid and minimize water quality impacts attributable to such activities. The Construction General Permit applies to all projects in which construction activity disturbs more than one acre or more of soil. Construction activity subject to this permit includes clearing, grading, and disturbances to the ground, such as stockpiling and excavation. The Construction General Permit requires the development and implementation of a SWPP, which would include and specify water quality BMPs designed to prevent pollutants from contacting stormwater and keep all products of erosion from moving off site into receiving waters (in this case, the City Creek Channel, the Twin Creek Channel, the Prado Flood Control Basin, the Santa Ana River, and its discharge into the Pacific Ocean). Routine inspection of all BMPs is required under the provisions of the Construction General Permit, and the SWPPP must be prepared and implemented by qualified individuals as defined by the SWRCB (SWRCB 2021a).

The City of Highland is a co-permittee under San Bernardino County's National Pollution Discharge Elimination System (NPDES) Permit (No. CAS618036), and as such is required to adhere to the County-wide NPDES permit requirements. Because land disturbance for project construction activities would exceed one acre, the project Applicant would be required to obtain coverage under the Construction General Permit issues by the SWRCB prior to the start of construction within the project site. Specifically, the Construction General Permit requires that the following be kept on site at all times: (i) a copy of the Notice of Intent to Comply with Terms of the General Permit to Discharge Water Associated with Construction Activity; (ii) a waste discharge identification number issues by the SWRCB; (iii) a SWPPP and Monitoring Program Plan for the construction activity requiring the construction permit; and (iv) records of all inspections, compliance and non-compliance reports, evidence of self-inspection, and good housekeeping practices.

The SWPPP requires the construction contractor to implement water quality BMPs to ensure that water quality standards are met, and that stormwater runoff from the construction work areas do not cause degradation of water quality in receiving water bodies. The SWPPP must describe the type, location, and function of stormwater BMPs to be implemented, and must demonstrate that the combination of BMPs selected are adequate to meet the discharge prohibitions, effluent standards, and receiving water limitations are contained in the Construction General Permit. Therefore, short-term construction impacts associated with water quality, stormwater drainage, and stormwater runoff would be less than significant.

Long-Term Operational Impacts

Less-than-Significant Impact. The project would be subject to the municipal stormwater permit, the Municipal Separate Storm Sewer System (MS4) Permit, issued to San Bernardino County and incorporated cities within the County by the Santa Ana Regional Water Quality Control Board. The MS4 Permit requires implementation of LID BMPs to prevent pollutants from being discharged off site by mimicking pre-development site hydrology and feasible source control. The LID Ordinance is designed to reduce runoff from impervious surfaces, including new development, through landscape design that promotes water retention, permeable surface design, natural drainage systems, and on-site retention where feasible (RWQCB 2010). These project-specific designs would reduce impacts to water quality associated with redevelopment.

As required by the San Bernardino County Municipal Separate Stormwater Sewer System NPDES Permit, a preliminary Water Quality Management Plan (WQMP) was prepared for the project in April 2022 (Appendix F-1). The WQMP is a post-construction management program that outlines implementation measures to ensure water quality standards are met, including implementation of source control and operational BMPs such as designing landscape to minimize irrigation and runoff; utilizing covered and leak proof trash dumpsters; and sweeping and litter control of loading areas in order to prevent pollutants from entering runoff. The WQMP would be implemented prior to the issuance of grading/building permits as required by the San Bernardino County Municipal Separate Stormwater Sewer System NPDES Permit. The project would not violate any water quality standards or waste discharge requirements during long-term operation through compliance with the WQMP. Therefore, long-term operational impacts associated with water quality, stormwater drainage, and stormwater runoff would be less than significant.

In summary, project grading and construction would be completed in accordance with an NPDES-mandated SWPPP, which would include standard BMPs to reduce potential off-site water quality impacts related to erosion and incidental spills of petroleum products and hazardous substances from equipment. Surface water runoff during project operations would be managed through the use of a proposed underground infiltration/detention system on the southeast corner of the project site. Therefore, the project would not violate any water quality standards or waste discharge requirements or otherwise substantially degrade surface or groundwater quality and water quality impacts would be less than significant.

b) ***Would the project substantially decrease groundwater supplies or interfere substantially with groundwater recharge such that the project may impede sustainable groundwater management of the basin?***

Groundwater Supplies

Less-than-Significant Impact. The project site is located within the service area of the EVWD. EVWD's main water supply is from the Bunker Hill Basin which has the capacity to provide 70,000 acre-foot per year from groundwater and surface water resources. The proposed project would include a new 2-inch water line that would be installed on the western side of the project site to connect to the existing 12-inch water line within the public right-of-way (ROW) along Grape Street.

Additionally, according to the project's geotechnical investigation (Appendix D-1), groundwater was not encountered during test excavations, and historic high groundwater in the vicinity has been recorded greater than 65 feet below grade at nearby wells. As such, the project's subsurface construction activities, which would only extend a few feet below grade, are highly unlikely to encounter groundwater, and dewatering activities are not anticipated to be necessary. Therefore, impacts associated with groundwater supplies would be less than significant.

Groundwater Recharge

Less-than-Significant Impact. While not fully developed, the project site is highly disturbed and does not contain a groundwater recharge basin or other facilities that promote groundwater recharge. Thus, under the existing condition, the project site is not considered an important location for groundwater recharge. Following construction, the project site would contain landscape areas and other pervious surfaces that would allow for water to percolate into the subsurface soils compared to the existing conditions. Therefore, impacts associated with groundwater recharge would be less than significant.

c) Would the project substantially alter the existing drainage pattern of the site or area, including through the alteration of the course of a stream or river or through the addition of impervious surfaces, in a manner which would:

i) Result in substantial erosion or siltation on- or off-site?

Less-than-Significant Impact. Under the existing conditions, the project site consists of four single-family residences. The project would result in the demolition and removal of the existing structures on the project site and the construction of new paved surfaces, a warehouse building, and landscape areas. The project site is not currently served by storm drainage facilities, and existing runoff sheet flows westerly to Grape Street and continues south to 6th Street. The project would also include a new engineered storm drainage system that would feature structural BMPs, including an infiltration/detention system to treat and manage on-site stormwater flows. The proposed infiltration/detention system would be designed to capture 100% of a 100-year storm event and would minimize the potential for siltation or erosion on or off site. The project's proposed storm drain system would be designed to conform with all applicable federal, state and local requirements related to drainage, hydrology, and water quality, including the current MS4 Permit adopted by the Santa Ana RWQCB. Additionally, the project's structural BMPs would be designed such any potential sediments collected on site are captured in retention facilities so that they would not be conveyed to downstream waters and result in siltation.

As such, altering the on-site drainage pattern would be conducted in a manner consistent with all applicable standards related to the collection and treatment of stormwater, such that they would not result in substantial erosion or siltation on or off site. Therefore, impacts associated with altering the existing drainage pattern of the project site would be less than significant.

ii) Substantially increase the rate or amount of surface runoff in a manner which would result in flooding on- or offsite?

Less-than-Significant Impact. As discussed in Section 3.10(c)(i), the project would increase the amount of impervious surfaces on the project site and inevitably alter the existing on-site drainage pattern. Runoff generated by the project site would be routed to the proposed underground infiltration/detention system on the southeast corner of the project site through a combination of roof drains, storm drains, curbs, and gutters. The development of the existing site into the proposed project would not create any adverse impacts downstream for storm events up to the 100-year storm. There would not be an increase in the existing discharge from the site in both the 10-year and 100-year events due to the proposed infiltration basin that would be sized to capture and infiltrate the 100-year rainfall event. Discharge from the site would greatly decrease from the existing condition.

Under existing conditions, the project site is not currently served by storm drainage facilities, and existing runoff sheet flows westerly to Grape Street and continues south to 6th Street. As such, the proposed project would not increase the amount of surface runoff and impacts would be less than significant.

iii) Create or contribute runoff water which would exceed the capacity of existing or planned stormwater drainage systems or provide substantial additional sources of polluted runoff?

Less-than-Significant Impact. As discussed in Section 3.10(c)(i), the project would increase the amount of impervious surfaces on the project site and inevitably alter the existing on-site drainage pattern. Runoff generated by the project site would be routed to the proposed underground infiltration/detention system on the southeast corner of the project site through a combination of roof drains, storm drains, curbs, and gutters.

The proposed on-site underground infiltration/detention system was designed to infiltrate 100% of the 100-year storm event. However, if the proposed underground infiltration/retention chamber system reaches capacity, flows would then be discharged to a proposed 4-foot parkway drain in Grape Street through a proposed U-channel along the south property line that would serve as an emergency spillway (Preliminary Drainage Report, Appendix F-2). According to the Preliminary Drainage Report (Appendix F-2) prepared for the project, the underground infiltration/detention system has the capacity to retain 17,600 cubic feet of stormwater before any stormwater is allowed to discharge from the project site, which is large enough to accommodate a 100-year storm event. The analysis concluded that the drainage and storm drain facilities are adequately sized to handle a 100-year design storm event, consistent with the methodology outlined in the San Bernardino County Flood Control District (SBCFCD) Hydrology Manual. Therefore, impacts associated with the project creating or contributing runoff water which would exceed the capacity of existing or planned stormwater drainage systems or provide substantial additional sources of polluted runoff would be less than significant.

iv) Impede or redirect flood flows?

No Impact. According to the Federal Emergency Management Agency Flood Insurance Rate Map No. 06071C8701J (FEMA 2016), the project site is located in Zone X which is located outside of the 0.2% Annual Chance Flood Hazard Zone (500-year floodplain). The project's on-site storm drain systems would adequately provide flood protection for the 100-year storm event. Implementation of the project would not substantially impede or redirect flood flows. Therefore, no impacts associated with flooding would occur.

d) In flood hazard, tsunami, or seiche zones, would the project risk release of pollutants due to project inundation?

Less-than-Significant Impact. The project site is located approximately 70 miles east of the Pacific Ocean. Because of the project site's inland location, the project would not be subject to tsunami. Additionally, due to the lack of a larger adjacent perennial waterbody such as a reservoir or lake, the project site would not be susceptible to seiche. Further, the project site's relatively flat topography and lack of nearby hillside would eliminate any impact-related mudflow. However, the project site, along with most of the City of Highland, is within the limit of flooded area with dam failure of the Seven Oaks Dam and 500-Year floodplain (City of Highland 2006). The Seven Oaks Dam has been designed to resist an earthquake measuring 8.0 on the Richter scale and is designed to provide flood protection during 350-year storm events. Based on these design characteristics and ongoing maintenance of the dam's structural integrity, it is highly unlikely that the project site would be subject to inundation due to ta failure of the Seven Oaks Dam. Therefore, due to the low likelihood that the Seven Oaks Dam would be subject to failure and because the project would

not involve the uncontained storage of pollutants outside of the proposed building, the project would not risk release of pollutants due to inundation associated with these natural phenomena, and impacts would be less than significant.

e) ***Would the project conflict with or obstruct implementation of a water quality control plan or sustainable groundwater management plan?***

Less-than-Significant Impact. Refer to responses provided in Section 3.10(a) and 3.10(b). The project would comply with regional and local regulations requiring preparation of a SWPPP and would not obstruct existing water quality control plans or groundwater sustainable management plans. In addition, the project applicant would comply with the project specific WQMP during operation activities. The proposed project would provide an on-site infiltration/detention basin, which would help the City sustainably manage groundwater levels. Therefore, impacts associated with conflict with a water quality control plan or sustainable groundwater management plan would be less than significant.

3.11 Land Use and Planning

	Potentially Significant Impact	Less Than Significant Impact With Mitigation Incorporated	Less Than Significant Impact	No Impact
XI. LAND USE AND PLANNING – Would the project:				
a) Physically divide an established community?	☐	☐	☐	☒
b) Cause a significant environmental impact due to a conflict with any land use plan, policy, or regulation adopted for the purpose of avoiding or mitigating an environmental effect?	☐	☐	☒	☐

a) ***Would the project physically divide an established community?***

No Impact. The physical division of an established community is typically associated with the construction of a linear feature, such as a major highway or railroad tracks, or removal of a means of access, such as a local road or bridge, which would impair mobility within an existing community or between a community and an outlying area. Currently, the project site is located within an area of the City that is primarily zoned for business park and industrial uses, and thus, is not used as a connection between two established communities.

Instead, connectivity in the surrounding project area is facilitated via local roadways and pedestrian facilities. Despite the nearby scattered residential uses, the project would not impede movement between these residences within the project area, within an established community, or from one established community to another. Therefore, no impacts associated with division of an existing community would occur.

b) Would the project cause a significant environmental impact due to a conflict with any land use plan, policy, or regulation adopted for the purpose of avoiding or mitigating an environmental effect?

Less-than-Significant Impact. The City's Zoning Map designates the project site as BP. According to Section 16.24.020 (A), the primary purpose of the BP District is to provide appropriate regulations and suitable locations for light industrial, research and development, and office-based firms seeking pleasant and attractive working environments, and for business support services and commercial uses requiring large parcels (City of Highland 2022). The Municipal Code identifies Warehousing and Wholesaling as permitted, subject to a conditional use permit application (City of Highland 2022). As part of the City's site-plan review process, the City would thoroughly review all plans for the proposed project to ensure compliance with all applicable development standards set forth in the Municipal Code and other relevant land use plans, policies, and regulations. As part of the City's site-plan review process, the City has determined that the project would be consistent with all development standards required for the BP Zone, with the exception of Section 16.24.040 Employment district development standards, of the City's Municipal Code, which states that building heights are not to exceed 35 feet within the BP District. The project proposes a building height of approximately 40 feet. However, with the processing of a variance consistent with the procedures outlined in Section 16.08.870, which states that the City may permit such modification of the height regulations as are necessary to secure an appropriate improvement on a lot. As such, upon approval of Variance (VAR 22-003), the project's height could be allowed within in the BP District.

The City's General Plan Land Use Map designates the project site as BP within the Victoria Avenue Corridor (City of Highland 2006). The BP land use permits a variety of light industrial, research and development, and office uses. The maximum floor area ratio permitted within the BP designation is 0.6 (City of Highland 2006). The proposed project would include construction of an industrial warehouse with a floor area ratio of 0.49. As such, the proposed project is consistent with the permitted land use and maximum density permitted by the City.

The Victoria Avenue Corridor is located along Victoria Avenue from Highland Avenue to 3rd Street. The purpose of the Victoria Avenue Corridor is to establish new land use patterns to take advantage of future commercial opportunities, improve traffic, and provide future development opportunities along Victoria Avenue (City of Highland 2006). Development of a light industrial warehouse would introduce additional processing and distribution opportunities in close proximity to the San Bernardino International Airport.

As such, the project would be consistent with local plans, policies, and regulations governing land use decisions. Therefore, impacts associated with applicable land use plans, policies, and regulations would be less than significant.

3.12 Mineral Resources

	Potentially Significant Impact	Less Than Significant Impact With Mitigation Incorporated	Less Than Significant Impact	No Impact
XII. MINERAL RESOURCES – Would the project:				
a) Result in the loss of availàbility of a known mineral resource that would be of value to the region and the residents of the state?	☐	☐	☒	☐
b) Result in the loss of availability of a locally-important mineral resource recovery site delineated on a local general plan, specific plan or other land use plan?	☐	☐	☒	☐

a) ***Would the project result in the loss of availability of a known mineral resource that would be of value to the region and the residents of the state?***

Less-than-Significant Impact. According to the City's General Plan, the project site is within an MRZ-2, meaning significant mineral deposits or likelihood of significant mineral deposits exist; however, the significance of the deposit is undetermined.

The project site is located in an urbanized portion of the City and is bound by existing residential, commercial, and industrial development in all directions. Mineral resource mining is not a compatible use with these land uses. The project site is not large enough to effectively extract mineral resources. Considering the existing surrounding land uses and the incompatibility of mineral resource extraction activities in the project area, potential significant mineral resources within the project area are considered unavailable for extraction. Therefore, impacts associated with mineral resources would be less than significant.

b) ***Would the project result in the loss of availability of a locally important mineral resource recovery site delineated on a local general plan, specific plan or other land use plan?***

Less-than-Significant Impact. Refer to the response provided in Section 3.11(a).

3.13 Noise

	Potentially Significant Impact	Less Than Significant Impact With Mitigation Incorporated	Less Than Significant Impact	No Impact
XIII. NOISE – Would the project result in:				
a) Generation of a substantial temporary or permanent increase in ambient noise levels in the vicinity of the project in excess of standards established in the local general plan or noise ordinance, or applicable standards of other agencies?	☐	☐	☒	☐
b) Generation of excessive groundborne vibration or groundborne noise levels?	☐	☐	☒	☐
c) For a project located within the vicinity of a private airstrip or an airport land use plan or, where such a plan has not been adopted, within two miles of a public airport or public use airport, would the project expose people residing or working in the project area to excessive noise levels?	☐	☐	☒	☐

Noise and Vibration Characteristics

Noise is defined as unwanted sound. Sound may be described in terms of level or amplitude (measured in decibels [dB]), frequency or pitch (measured in hertz or cycles per second), and duration (measured in seconds or minutes). The standard unit of measurement of the amplitude of sound is the decibel. Because the human ear is not equally sensitive to sound at all frequencies, a special frequency-dependent rating scale is used to relate noise to human sensitivity. The A-weighted decibel (dBA) scale performs this compensation by discriminating against low and very high frequencies in a manner approximating the sensitivity of the human ear. Several descriptors of noise (noise metrics) exist to help predict average community reactions to the adverse effects of environmental noise, including traffic-generated noise, on a community. These descriptors include the equivalent noise level over a given period (L_{eq}), the statistical sound level, the day–night average noise level (L_{dn}), and the Community Noise Equivalent Level (CNEL). Each of these descriptors uses units of dBA. Table 3.13-1 provides examples of A-weighted noise levels from common sounds. In general, human sound perception is such that a change in sound level of 3 dBA is barely noticeable, a change of 5 dBA is clearly noticeable, and a change of 10 dBA is perceived as doubling or halving the sound level.

Table 3.13-1. Typical Sound Levels in the Environment and Industry

Common Outdoor Activities	Noise Level (dBA)	Common Indoor Activities
—	110	Rock band
Jet flyover at 300 meters (1,000 feet)	100	—
Gas lawn mower at 1 meter (3 feet)	90	—
Diesel truck at 15 meters (50 feet), at 80 kilometers per hour (50 mph)	80	Food blender at 1 meter (3 feet) Garbage disposal at 1 meter (3 feet)
Noisy urban area, daytime gas lawn mower at 30 meters (100 feet)	70	Vacuum cleaner at 3 meters (10 feet)

Table 3.13-1. Typical Sound Levels in the Environment and Industry

Common Outdoor Activities	Noise Level (dBA)	Common Indoor Activities
Commercial area Heavy traffic at 90 meters (300 feet)	60	Normal speech at 1 meter (3 feet)
Quiet urban daytime	50	Large business office Dishwasher, next room
Quiet urban nighttime	40	Theater, large conference room (background)
Quiet suburban nighttime	30	Library
Quiet rural night time	20	Bedroom at night, concert hall (background)
—	10	Broadcast/recording studio
Lowest threshold of human hearing	0	Lowest threshold of human hearing

Source: Caltrans 2013.
Note: dBA = A-weighted decibel.

L_{eq} is a sound energy level averaged over a specified period (typically no less than 15 minutes for environmental studies). L_{eq} is a single numerical value that represents the amount of variable sound energy received by a receptor during a time interval. For example, a 1-hour L_{eq} measurement would represent the average amount of energy contained in all the noise that occurred in that hour. L_{eq} is an effective noise descriptor because of its ability to assess the total time-varying effects of noise on sensitive receptors.

Unlike the L_{eq} metrics, L_{dn} and CNEL metrics always represent 24-hour periods, usually on an annualized basis. L_{dn} and CNEL also differ from L_{eq} because they apply a time-weighted factor designed to emphasize noise events that occur during the evening and nighttime hours (when speech and sleep disturbance is of more concern). "Time weighted" refers to the fact that L_{dn} and CNEL penalize noise that occurs during certain sensitive periods. In the case of CNEL, noise occurring during the daytime (7:00 a.m.–7:00 p.m.) receives no penalty. Noise during the evening (7:00 p.m.–10:00 p.m.) is penalized by adding 5 dB, while nighttime (10:00 p.m.–7:00 a.m.) noise is penalized by adding 10 dB. L_{dn} differs from CNEL in that the daytime period is defined as 7:00 a.m.–10:00 p.m., thus eliminating the evening period. L_{dn} and CNEL are the predominant criteria used to measure roadway noise affecting residential receptors. These two metrics generally differ from one another by no more than 0.5 dB to 1 dB and, as such, are often treated as equivalent to one another.

Vibration

Vibration is an oscillatory motion through a solid medium in which the motion's amplitude can be described in terms of displacement, velocity, or acceleration. Vibration can be a serious concern, causing buildings to shake and rumbling sounds to be heard. In contrast to noise, vibration is not a common environmental problem. It is unusual for vibration from sources such as buses and trucks to be perceptible, even in locations close to major roads. Some common sources of vibration are trains, buses on rough roads, and construction activities, such as blasting, pile driving, and heavy earthmoving equipment.

Several different methods are used to quantify vibration. Peak particle velocity is defined as the maximum instantaneous peak of the vibration signal. Peak particle velocity is most frequently used to describe vibration impacts to buildings and is usually measured in inches per second. The root mean square amplitude is most frequently used to describe the effect of vibration on the human body and is defined as the average of the squared amplitude of the signal. Decibel notation is commonly used to measure root mean square. The decibel notation acts to compress the range of numbers required to describe vibration.

High levels of vibration may cause physical personal injury or damage to buildings. However, vibration levels rarely affect human health. Instead, most people consider vibration to be an annoyance that can affect concentration or disturb sleep. In addition, high levels of vibration can damage fragile buildings or interfere with equipment that is highly sensitive to vibration (e.g., electron microscopes). Most perceptible indoor vibration is caused by sources within buildings, such as operation of mechanical equipment, movement of people, or slamming of doors. Typical outdoor sources of perceptible vibration are construction equipment, steel-wheeled trains, and traffic on rough roads. If the roadway is smooth, the vibration from traffic is rarely perceptible.

Sensitive Receptors

Noise- and vibration-sensitive land uses are locations where people reside or where the presence of unwanted sound could adversely affect the use of the land. Residences, schools, hospitals, guest lodging, libraries, and some passive recreation areas would be considered noise and vibration sensitive and may warrant unique measures for protection from intruding noise. Sensitive receptors in the vicinity of the project site consist of legal non-conforming residential uses (i.e., non-residentially zoned) located to the north, east and south of the project site, and zoned residential uses to the west. These sensitive receptors represent the nearest sensitive land uses with the potential to be impacted by construction and/or operation of the project.

Existing Noise Conditions

Noise measurements were conducted in the vicinity of the project site on May 12, 2022, to characterize the existing noise levels. Table 3.13-2 provides the locations, dates, and times the noise measurements were taken. The noise measurements were taken using a Soft dB Piccolo sound level meter equipped with a 0.5-inch, pre-polarized condenser microphone with pre-amplifier. The sound level meter meets the current American National Standards Institute standard for a Type 2 (General Use) sound level meter. The accuracy of the sound level meter was verified using a field calibrator before and after the measurements, and the measurements were conducted with the microphone positioned approximately 5 feet above the ground.

Table 3.13-2. Measured Noise Levels

Receptor	Location	Date	Time	L_{eq} (dBA)	L_{max} (dBA)
ST1	West of project site, adjacent to a residence at 7774 Grape Street	5/12/22	11:26 a.m.–11:41 a.m.	44.0	60.3
ST2	South of project site, adjacent to residence at 7801 Grape Street	5/12/22	11:46 a.m.–12:01 p.m.	44.9	62.0
ST3	Southeast of project site, adjacent to residence at 7923 Victoria Avenue	5/12/22	10:54 a.m.–11:09 a.m.	62.7	77.4

Source: Appendix G-1.
Notes: L_{eq} = equivalent continuous sound level (time-averaged sound level); dBA = A-weighted decibels; L_{max} = maximum sound level during the measurement interval.

Three short-term noise measurement locations (ST1–ST3) were conducted in the vicinity of the project site, as shown in Figure 11, Noise Measurement Locations. The measured L_{eq} and maximum noise levels are provided in Table 3.13-2. The field noise measurement data sheets are provided in Appendix G-1, Field Data Noise Sheets. The primary noise sources at the sites identified in Table 3.13-2 consisted of traffic on local roadways; other, secondary noise sources included occasional distant barking dogs, distant landscaping activities, and birds. As shown in Table 3.13-2, the measured sound levels ranged from approximately 44 dBA L_{eq} at ST1 to approximately 63 dBA L_{eq} at ST3.

Regulatory Setting

Federal

There are no federal noise standards that would directly regulate environmental noise during construction and operation of the project. The following is provided because guidance summarized herein is used or pertains to the analysis.

Federal Transit Administration

In its Transit Noise and Vibration Impact Assessment guidance manual, the Federal Transit Administration (FTA) recommends a daytime construction noise level threshold of 80 dBA L_{eq} over an 8-hour period (FTA 2018) when detailed construction noise assessments are performed to evaluate potential impacts to community residences surrounding a project. Although this FTA guidance is not a binding regulation, it is provided here for comparison purposes in the absence of such limits at the state and local jurisdictional levels.

Federal Interagency Committee on Noise

Some guidance regarding the determination of a substantial permanent increase in ambient noise levels in the project vicinity above existing levels is provided by the 1992 findings of the Federal Interagency Committee on Noise (FICON) (FICON 1992), which assessed the annoyance effects of changes in ambient noise levels resulting from aircraft operations. The FICON recommendations are based upon studies that relate aircraft and traffic noise levels to the percentage of persons highly annoyed by the noise. Annoyance is a qualitative measure of the adverse reaction of people to noise that generates speech interference, sleep disturbance, or interference with the desire for a tranquil environment.

The rationale for the FICON recommendations is that it is possible to consistently describe the annoyance of people exposed to transportation noise in terms of L_{dn}. The changes in noise exposure that are shown in Table 3.13-3 are expected to result in equal changes in annoyance at sensitive land uses. Although the FICON recommendations were specifically developed to address aircraft noise impacts, they are used in this analysis to define a substantial increase in community noise levels related to all transportation noise sources and permanent non-transportation noise sources.

Table 3.13-3. Measures of Substantial Increase for Community Noise Sources

Ambient Noise Level Without Project (L_{dn})	Significant Impact Assumed to Occur if the Project Increases Ambient Noise Levels by:
<60 dBA	+ 5 dBA or more
60-65 dBA	+ 3 dBA or more
>65 dBA	+ 2 dBA or more

Source: FICON 1992.
Notes: L_{dn} = day–night average noise level; dBA = decibels.

State

California Government Code

California Government Code Section 65302(f) mandates that the legislative body of each county and city adopt a noise element as part of its comprehensive general plan. The local noise element must recognize the land use compatibility guidelines established by the State Department of Health Services. The guidelines rank noise land

use compatibility in terms of "normally acceptable," "conditionally acceptable," "normally unacceptable," and "clearly unacceptable" noise levels for various land use types. Single-family homes are "normally acceptable" in exterior noise environments up to 60 dBA CNEL and "conditionally acceptable" up to 70 dBA CNEL.[18] Multiple-family residential uses are "normally acceptable" up to dBA 65 CNEL and "conditionally acceptable" up to dBA 70 CNEL. Schools, libraries, and places of worship are "normally acceptable" up to 70 dBA CNEL, as are office buildings and business, commercial, and professional uses.

Local

City of Highland Municipal Code

Operational Noise Standards

Pursuant to Chapter 8.50 (Noise Control) of the Highland Municipal Code, allowable daytime (between the hours of 7:00 AM and 10:00 PM) and nighttime (between the hours of 10:00 PM and 7:00 AM) noise levels are as follows:

- Residential – 60 dBA daytime, 55 dBA nighttime.
- Commercial – 70 dBA daytime, 65 dBA nighttime.
- Industrial Zone – 75 dBA at any time.

Construction Noise Standards

Pursuant to Section 8.50.060 (Exemptions), noise associated with "construction, repair, or excavation work performed pursuant to a valid written agreement with the city or any of its political subdivisions, which agreement provides for noise mitigation measures", is exempt. Because the proposed project does not include a Development Agreement or other agreement with the City or any of its political subdivisions, it is not exempt from performing a construction noise analysis and providing adequate mitigation measures. The following includes an analysis of the project's construction noise impacts.

City of Highland General Plan

The City's General Plan Noise Element (City of Highland 2006) references the Municipal Code's noise standards as guidelines to evaluate the acceptability of noise impacts. These standards are used to assess long-term noise impacts on land uses. The Noise Element identifies noise problems in the community, quantifies existing and projected noise levels, addresses excessive noise exposure, and provides regulations to control noise. The General Plan Noise Element contains the following goals and policies that address noise and are applicable to the project:

Goal 7.1. Protect sensitive land uses and the citizens of Highland from annoying and excessive noise through diligent planning and regulation.

[18] A "conditionally acceptable" designation implies new construction or development should be undertaken only after a detailed analysis of the noise reduction requirements for each land use is made and needed noise insulation features are incorporated in the design. By comparison, a "normally acceptable" designation indicates that standard construction can occur with no special noise reduction requirements.

Policies:

1) Enforce the City's Noise Control Ordinance consistent with health and quality of life goals and employ effective techniques of noise abatement through such means as a noise ordinance, building codes and subdivision and zoning regulations.
2) Encourage the use of site planning and architectural techniques such as alternative building orientation and walls combined with landscaping to mitigate noise to levels consistent with interior and exterior noise standards.
3) Require mitigation where sensitive uses are to be placed along transportation routes to ensure compliance with interior and exterior noise standards.
4) Consider the compatibility of proposed land uses with the noise environment when preparing, revising or reviewing development proposals.
7) Require that site-specific noise studies be conducted by a qualified acoustic consultant utilizing acceptable methodologies while reviewing the development of sensitive land uses or development that has the potential to impact sensitive land uses. Also require a site-specific noise study if the proposed development could potentially violate the noise provisions of the General Plan or City ordinance.

Actions:

3) When site and architectural design features cannot sufficiently reduce adverse noise levels, or cannot be economically provided, require the provision of noise barriers/ berms, provided that noise barriers:
   - are sufficiently massive to prevent significant noise transmission and high enough to shield receiver from noise source;
   - noise barriers exhibit a minimum acceptable density of four pounds per square foot (equivalent to 3/4-inch plywood);
   - contain no cracks or openings; and
   - minimize the effect of flanking by bending the barrier back from the noise source at the end of the barrier.
4) Require landscaping treatment to be provided in conjunction with noise barriers to provide visual relief and to reduce aesthetic impacts.
6) Maintain a noise complaint file to document areas of excessive noise in the City.

Goal 7.3. Protect residents from the effects of "spill over" or nuisance noise.

Policies:

1) Enforce the City's Noise Control Ordinance so that new projects located in commercial or entertainment areas do not exceed stationary-source noise standards at the property line of proximate residential or commercial uses, as appropriate.
2) Prohibit new industrial uses from exceeding commercial or residential stationary-source noise standards at the most proximate land uses, as appropriate. (Industrial noise may spill over to

proximate industrial uses so long as the combined noise does not exceed the appropriate industrial standards.)

3) Require that construction activities employ feasible and practical techniques to minimize noise impacts on adjacent uses. Particular emphasis shall be placed on the restriction of hours in which work other than emergency work may occur.
4) Require that the hours of truck deliveries to commercial properties abutting residential uses be limited unless there is no feasible alternative or there are overriding transportation benefits by scheduling deliveries at another hour.
5) Ensure that buildings are constructed to prevent adverse noise transmission between differing uses located in the same structure and individual residences in multi-family buildings.

Actions:

1) As a condition of approval, limit non-emergency construction activities adjacent to existing noise-sensitive uses to daylight hours between 7:00 a.m. and 6:00 p.m. Discourage construction on weekends or holidays except in the case of construction proximate to schools where these operations could disturb the classroom environment.
2) Ensure that the design and placement of air conditioning units and pool equipment within residential areas is accomplished in a manner that does not intrude upon the peace and quiet of adjacent noise-sensitive uses.
3) Encourage the use of portable noise barriers for heavy equipment operations performed within 100 feet of existing residences or make applicant provide evidence as to why the use of such barriers is infeasible.

a) ***Would the project result in generation of a substantial temporary or permanent increase in ambient noise levels in the vicinity of the project in excess of standards established in the local general plan or noise ordinance, or applicable standards of other agencies?***

Short-Term Construction Noise

Less-than-Significant Impact. Construction noise is considered a short-term impact and would be considered significant if construction activities were to exceed the allowable hours of operation, as permitted by the City. Noise-sensitive land uses in the vicinity of the project include legal non-conforming residences to the north[19] (within approximately 25 feet), to the east (within approximately 100 feet), to the south (within approximately 25 feet) and zoned residential uses to the west (within approximately 60 feet). The construction noise assessment focused on noise levels that would occur at the nearest noise-sensitive land uses; construction noise levels at greater distances from the site would be lower. Modeling assumptions and output calculations are provided in Appendix G-2, Construction Noise Modeling Inputs and Outputs.

Project-generated construction noise will vary depending on the construction process, the type of equipment involved, the location of the construction site with respect to sensitive receptors, the schedule proposed to carry out each task (e.g., hours and days of the week), and the duration of the construction

19 Based upon the City of Highland Zoning Map (http://maps.digitalmapcentral.com/production/VECommunityView/cities/highland/index.aspx?), the proposed project site as well as the entire block (from 6th St. to Cypress St. in the north-south direction and Grape St. to Victoria Ave. in the east-west direction) is zoned BP: Business Park.

work. A likely worst-case construction noise scenario using information provided by the project applicant and equipment identified by CalEEMod (see Section 3.3, Air Quality) for this type and size of project was calculated using a spreadsheet model based the Federal Highway Administration's Roadway Construction Noise Model (FHWA 2008). Table 3.3-2 in Section 3.3 presents the equipment list used for the construction noise analysis. The results are summarized in Table 3.13-4. Table 3.13-4 provides construction noise estimates for both a "typical worst-case" 1-hour average scenario in which construction equipment may be operating in proximity to any one receiver for extended periods, as well as a typical 8-hour workday in which it is assumed that the equipment would be in motion and working both near and far from any one receiver, operating (on average) at the approximate acoustic center of the project site. The average noise levels (based upon the acoustic center[20]) are considered a better representation of the overall noise exposure experience for adjacent receivers over the duration of each construction phase.

As shown, the highest noise levels from construction are predicted to range from approximately 70 dBA $L_{eq\ 1\text{-}hour}$ (during the architectural coating phase) to 85 dBA $L_{eq\ 1\text{-}hour}$ (during site preparation) at the nearest receivers. These maximum noise levels are considered to be a peak exposure, applicable to not more than 10%–15% of the total construction period, only while the construction activity is taking place along the property boundary closest to these nearest off-site receivers. In terms of a typical 8-hour workday, the highest noise levels from construction are predicted to range from approximately 62 dBA $L_{eq\ 8\text{-}hour}$ (during the architectural coating phase) to 76 dBA $L_{eq\ 8\text{-}hour}$ (during demolition) at the nearest receivers. Noise levels, while relatively high when equipment is operating near the project boundaries, would not exceed the FTA's 80 dBA $L_{eq\ 8\text{-}hour}$ threshold.

Table 3.13-4. Construction Noise Summary of Results (dBA $L_{eq\ 1\text{-}hour}$/ dBA $L_{eq\ 8\text{-}hour}$)

Receiver Location (Distance)/ Description	Zoning Designation	Construction Noise Level by Construction Phase[1]					
		Demo.	Site Prep.	Grading	Building Const.	Paving	Arch. Coating
Residence to the north (as near as 25 feet) / Legal Non-Conforming Residence	Business Park	84/75	85/74	84/74	73/72	81/70	70/62
Residence to the south (as near as 25 feet) / Legal Non-Conforming Residence	Business Park	84/75	85/74	84/74	73/72	81/70	70/62
Residence to the east (as near as 100 feet) / Legal Non-Conforming Residence	Business Park	75/74	75/73	76/73	70/70	71/69	64/60
Residence to the west (as near as 60 feet) / Zoned residential	Residential	78/76	79/75	79/75	72/72	75/71	67/62

Source: Appendix G-2.
Notes: dBA = A-weighted decibels; $L_{eq\ 1\text{-}hour}$ = equivalent continuous sound level (time-averaged sound level) during a 1-hour period near the project boundary; $L_{eq\ 8\text{-}hour}$ = equivalent continuous sound level (time-averaged sound level) during an 8-hour construction work day; Demo = Demolition; Site Prep. = Site Preparation; Building Const. = Building Construction; Arch. Coating = Architectural Coating.
1 See Section 3.3, Air Quality.

20 The acoustic center is the combination of all construction work occurring on-site, near and far, and is considered to be equivalent to the geometric center, for the purposes of this analysis.

Based on the construction noise analysis, noise levels during construction are estimated to create noise levels at sensitive receivers that would not exceed the FTA construction noise threshold of 80 dBA $L_{eq\ 8\text{-hour}}$. The project would be required to adhere to City of Highland General Plan limitations on construction noise through restrictions on allowable construction hours (Goal 7.3, Action 1):

> "As a condition of approval, limit non-emergency construction activities adjacent to existing noise-sensitive uses to daylight hours between 7:00 a.m. and 6:00 p.m. Discourage construction on weekends or holidays except in the case of construction proximate to schools where these operations could disturb the classroom environment."

Thus, with incorporation of the City's standard conditions, impacts associated with short-term construction noise would be less than significant and no mitigation measures would be required.

Long-Term Operational Noise

Less-than-Significant Impact. Operation of the project would result in the generation of noise both on and off site. Consistent with similar warehouse and light industrial uses, business operations supported by the project would primarily be conducted within the enclosed buildings, except for traffic movement, parking, and loading and unloading of trucks at designated loading bays. As such, on-site operational noise sources are expected to include roof-top air conditioning units, parking lot activity, and truck loading dock activity. Off-site noise could be generated by vehicles, including heavy trucks, accessing the project site and contributing to vehicular roadway noise. As detailed below, these operational project activities would not result in the generation of a substantial temporary or permanent increase in ambient noise levels in excess of standards established in the local general plan or noise ordinance or applicable standards of other agencies.

On-Site Operational Noise

Implementation of the project would result in changes to existing noise levels on and around the project site by developing new stationary sources of noise, including introduction of outdoor HVAC equipment. These sources may affect noise-sensitive vicinity land uses off the project site.

The proposed warehouse space overall would not be served by heating or air conditioning equipment. However, the floor plan includes an office with an associated mezzanine space at the southwest building corner. For the analysis of noise from HVAC equipment operation, a York Model ZF-048 package HVAC unit was used as a reference. Based upon the square footage of the office and mezzanine spaces (6,000 square feet total), it was assumed that two such units would be required for the office/mezzanine areas. The York Model ZF-048 package HVAC unit has a sound power rating of 80 dBA (Johnson Controls 2015). Based on the warehouse roof design provided, there will be a 2.8-foot-high parapet extending along the perimeter of the roof, which would minimize sound from the HVAC unit at nearby noise-sensitive land uses.

Assuming all the HVAC equipment is operating simultaneously for a minimum period of 1 hour, the worst-case calculated noise level at each property line and at the nearby residences is presented in Table 3.13-5. The maximum hourly noise level for all the HVAC equipment operating at each examined point along the property and the nearest noise-sensitive uses would range from 19 to 32 dBA L_{eq}, which is well below the City's noise standard for both commercial zoning (70 dBA L_{eq} daytime, 65 dBA L_{eq} nighttime) and residences (60 dBA L_{eq} daytime, 55 dBA L_{eq} nighttime). The noise level calculation spreadsheets for the HVAC package units are included in Appendix G-3, Equipment Specifications and Noise Calculations.

Table 3.13-5. Mechanical Equipment Operation Noise Summary of Results

Equipment	Noise Level at Property Boundary	
	Receiver Location	Average Noise Level (dBA L_{eq})
HVAC	N1	19
HVAC	S1	32
HVAC	E1	28
HVAC	W1	32

Source: Appendix G-3.
Note: dBA = A-weighted decibels; L_{eq} = equivalent continuous sound level (time-averaged sound level); CNEL = Community Noise Equivalent Level; HVAC = heating, ventilation, and air conditioning.

The results of the mechanical equipment operations noise analysis indicate that the project would comply with City and State of California noise standards.

Parking Lot Activity

A comprehensive study of noise levels associated with surface parking lots was published in the Journal of Environmental Engineering and Landscape Management (Baltrënas et al. 2004). The study found that average noise levels during the peak period of use of the parking lot (generally in the morning with arrival of commuters and in the evening with the departure of commuters) were 47 dBA at 1 meter (3.3 feet) from the outside boundary of the parking lot. The parking area would function as a point source for noise, which means that noise would attenuate at a rate of 6 dBA with each doubling of distance. The employee parking lots are proposed to be situated on the north and southwest sides of the warehouse, no closer than 40.5 feet from the property line of the project site (from center of drive-aisle to fence) on the northern side and 49 feet on the southwestern side. At a distance of 40.5 feet, parking lot noise levels would be approximately 25 dBA L_{eq} at the northern property boundary. At a distance of 49 feet, parking lot noise levels would be approximately 24 dBA L_{eq} at the southwestern property boundary. Parking lot activity noise levels are summarized in Table 3.13-6.

Truck Loading Dock Activity

The parking lot study (Baltrënas et al. 2004) also examined noise levels associated with cargo truck delivery activity, including noise produced by backup alarms and forklift/yard hostler operations. The study concluded that average noise levels from truck loading/unloading areas was 96 dBA at 1 meter (3.3 feet) from the boundary of the truck activity area. The truck loading dock area (i.e., the truck court) would be located on the south side of the proposed warehouse building. The loading docks would be located approximately 130 feet from the southern property line and approximately 100 feet from the eastern property line. At the western and northern property lines the noise and view of the loading docks would be entirely obstructed by the warehouse building and would be 260 feet or more away. Using the outdoor attenuation rate of 6 dBA with each doubling of distance, truck loading activity along the southern property line would produce noise levels of approximately 64 dBA L_{eq} while noise levels along the eastern property boundary from truck loading activity would average approximately 67 dBA L_{eq}, not accounting for the shielding effects from the proposed 8-foot high, approximately 6-inches wide, perimeter, concrete wall at the southern and northern boundaries. Accounting for this acoustical shielding, the truck loading dock noise at the southern and eastern project boundaries is estimated to be approximately 55 dBA L_{eq} and 58 dBA L_{eq} respectively. Truck loading dock activity noise levels are summarized in Table 3.13-6 and combined with the other on-site noise sources.

Table 3.13-6. Combined On-Site Noise Summary of Results - Noise Levels (dBA Leq) at Property Boundaries

Receiver Location	Zoning	Applicable Noise Standard - Daytime (7 a.m. to 10 p.m.)/ Nighttime (10 p.m. to 7 a.m.)	HVAC	Parking Lot Activity	Truck Loading Dock Activity	Combined HVAC, Parking Lot and Truck Loading Dock Activities Noise	Applicable Noise Standard Exceeded?
N1	Business Park	70/65	19	25	32	33	No
S1	Business Park	70/65	32	24	55	55	No
E1	Business Park	70/65	28	24	58	58	No
W1	Residential	60/55	32	25	37	38	No

Source: Appendix G-3.

As shown in Table 3.13-6, on-site noise sources associated with the proposed project would not exceed applicable noise standards. Thus, on-site operational noise would be less than significant.

Project-Generated Off-Site Traffic Noise

The project is expected to generate 117 net new daily trips to the roadway system; in terms of passenger car equivalent (PCE), which accounts for truck percentages, the project would generate 183 net new daily PCE trips. On an hourly basis, the project would result in a total of 14 AM and 12 PM net new peak-hour trips, consisting of 9 passenger vehicles and 5 trucks (ranging in size from 2-axle trucks to 4+ axle trucks) in the AM peak hour and 8 passenger vehicles and 4 trucks in the PM peak hour. In terms of PCE, the project would result in a total of 21 AM and 20 PM net new PCE peak-hour trips[21]. Vehicles entering and exiting the project site would use Grape Street, which has average daily traffic volumes of approximately 188[22]. Using the FHWA's Traffic Noise Model (TNM v. 2.5) (FHWA 2004), the resulting increase in ambient noise would be 4 dBA CNEL along Grape Street. The increase along the other streets would be less. Therefore, traffic related to project operations would not result in a substantial increase in ambient noise levels in the vicinity of the project in excess of standards established in the local general plan or noise ordinance, or applicable standards of other agencies. Impacts from project-related construction traffic noise would be less than significant. No mitigation measures are required.

b) Would the project result in generation of excessive groundborne vibration or groundborne noise levels?

Less-than-Significant Impact. The main concern associated with groundborne vibration is annoyance; however, in extreme cases, vibration can cause damage to buildings, particularly those that are old or otherwise fragile. Some common sources of groundborne vibration are trains and construction activities such as blasting, pile-driving, and heavy earth-moving equipment. The primary source of groundborne vibration occurring as part of the proposed project is construction activity.

21 Data from the proposed project's trip generation estimates (Section 3.17, Transportation).
22 AimTD LLC. Traffic counts of Grape Street north of 6th Avenue. 2021.

Groundborne vibration information related to construction/heavy equipment activities has been collected by Caltrans. Information from Caltrans indicates that transient vibrations (such as from construction activity) with approximately 0.035 inches per second peak particle velocity (PPV) may be characterized as barely perceptible, and vibration levels of 0.24 inches per second PPV may be characterized as distinctly perceptible (Caltrans 2020). The heavier pieces of construction equipment, such as large bulldozers or hoe rams, would register up to approximately 0.089 inches per second PPV at a distance of 25 feet (FTA 2018).

Groundborne vibration is typically attenuated over relatively short distances. At the nearest existing noise/vibration-sensitive use distance to the nearest construction area (approximately 25 feet – the residences to the north and south) and with the anticipated construction equipment, the vibration level would be approximately 0.089 inches per second PPV. This vibration level would be greater than the threshold of "barely perceptible" of 0.035 inches per second PPV but would be lower than the threshold of "distinctly perceptible" of 0.24 inches per second PPV.

The major concern with construction vibration is related to building damage. Construction vibration as a result of the proposed project would not result in structural building damage, which typically occurs at vibration levels of 0.5 inches per second PPV or greater for buildings of reinforced-concrete, steel, or timber construction. Therefore, impacts related to groundborne vibration would be less than significant.

c) ***For a project located within the vicinity of a private airstrip or an airport land use plan or, where such a plan has not been adopted, within two miles of a public airport or public use airport, would the project expose people residing or working in the project area to excessive noise levels?***

Less-than-Significant Impact. No private airstrips are located in the project vicinity. The SBIA is located approximately 0.7 miles south of the project site. The project site is located within the Airport Influence Area (General Plan Figure 6-7) outlined in the City's General Plan (City of Highland 2006). As required by state law for real estate transactions within the Airport Influence Area, notification/disclosure statements are required to alert potential buyers and tenants of the presence of and potential impacts from the San Bernardino International Airport. According to Exhibit 4H (Existing and Ultimate Noise Contours) of the Airport Layout Plan Narrative Report for San Bernardino International Airport (San Bernardino International Airport Authority 2010), the SBIA's 65 dBA CNEL ultimate noise contour would be located approximately 0.8 miles south of the project site.

Policy 1 of Goal 11.1 ("Reduce exposure of people to aircraft noise and overflights, and ensure adequate public notification through buyer awareness measures") within the City's General Plan (City of Highland 2006) states: "Limit the development of sensitive land uses located within the 65 decibel (dB) Community Noise Equivalent Level (CNEL)". The City considers residential dwellings and institutional uses such as hospitals, convalescent homes and churches to be sensitive noise receptors, while retail and office uses are considered to be relatively insensitive land uses. Other land use types, including industrial and manufacturing, are considered to be least impacted by noise. Because the proposed project is not noise-sensitive, and because the project site is located outside the 65 dBA CNEL noise contour, the proposed project would not expose people residing or working in the project area to excessive noise levels. Thus, aircraft and airport-related noise would be less than significant.

3.14 Population and Housing

	Potentially Significant Impact	Less Than Significant Impact With Mitigation Incorporated	Less Than Significant Impact	No Impact
XIV. POPULATION AND HOUSING – Would the project:				
a) Induce substantial unplanned population growth in an area, either directly (for example, by proposing new homes and businesses) or indirectly (for example, through extension of roads or other infrastructure)?	☐	☐	☒	☐
b) Displace substantial numbers of existing people or housing, necessitating the construction of replacement housing elsewhere?	☐	☐	☒	☐

a) Would the project induce substantial unplanned population growth in an area, either directly (for example, by proposing new homes and businesses) or indirectly (for example, through extension of roads or other infrastructure)?

Less-Than-Significant Impact. The project would require a temporary construction workforce and a permanent operational workforce, both of which could potentially induce population growth in the project area. The temporary workforce would be needed to construct the proposed warehouse building and associated improvements. The number of construction workers needed during any given period would largely depend on the specific stage of construction but will likely average a few dozen workers at any given time throughout the workday. These short-term positions are anticipated to be filled primarily by workers who reside in the project area vicinity. Therefore, construction of the project would not generate a permanent increase in population within the project area.

In terms of operational employees, because the future tenant is not yet known, the number of jobs that the project would generate cannot be precisely determined, but it can be estimated. For purposes of analysis, employment estimates are calculated using average employment density factors reported by SCAG. SCAG reports that for every 1,195 square feet of warehouse space in San Bernardino County, the average numbers of jobs supported is one employee (SCAG 2001). The proposed warehouse would be 90,532 square feet, and as such, the estimated number of employees required for operation would be approximately 76 people.

According to the SCAG Demographics and Growth Forecast, employment in the City is anticipated to grow from 6,900 employees in 2016 to 11,100 employees in 2045 (SCAG 2020). The project-related increase in employment would be minimal in comparison to the anticipated increase in the SCAG Demographics and Growth Forecast.

Additionally, as of May 2022, the California Employment Development Department found that the unemployment rate for Riverside-San Bernardino-Ontario Metropolitan Statistical Area, including the City of Highland, is at 3.4%, which is lower than the state average (4.3%) and similar to the national average (3.6%) for the same period (EDD 2022). Therefore, the project's temporary and permanent employment requirements could likely be met by the City's existing labor force without the need for people to relocate to the project region. The project would not stimulate population growth or a population concentration above what is assumed in local and regional land use plans. Therefore, impacts associated with population growth would be less than significant.

b) ***Would the project displace substantial numbers of existing people or housing, necessitating the construction of replacement housing elsewhere?***

Less-Than-Significant Impact. The eastern and northern portions of the project site are currently developed with three single-family residences. The remainder of the project site is vacant. Development of the proposed project would result in displacement of three existing households. Although it is speculative where the previous on-site residents would ultimately be relocated, assuming that they would be relocated in the project area, vacant housing opportunities are available within the City. The City has approximately 17,127 housing units with a vacancy rate of 2.6% (DOF 2022). As such, there are approximately 445 vacant housing units in the City. Therefore, impacts associated with displacement of housing would be less than significant.

3.15 Public Services

	Potentially Significant Impact	Less Than Significant Impact With Mitigation Incorporated	Less Than Significant Impact	No Impact
XV. PUBLIC SERVICES				
a) Would the project result in substantial adverse physical impacts associated with the provision of new or physically altered governmental facilities, need for new or physically altered governmental facilities, the construction of which could cause significant environmental impacts, in order to maintain acceptable service ratios, response times, or other performance objectives for any of the public services:				
Fire protection?	☐	☐	☒	☐
Police protection?	☐	☐	☒	☐
Schools?	☐	☐	☐	☒
Parks?	☐	☐	☐	☒
Other public facilities?	☐	☐	☐	☒

a) ***Would the project result in substantial adverse physical impacts associated with the provision of new or physically altered governmental facilities, need for new or physically altered governmental facilities, the construction of which could cause significant environmental impacts, in order to maintain acceptable service ratios, response times, or other performance objectives for any of the public services:***

Fire protection?

Less-than-Significant Impact. The California Department of Forestry and Fire Protection (CAL FIRE) provides fire protection and emergency medical services to the City of Highland, including the project site, through a cooperative agreement that provides for CAL FIRE employees to staff City-owned facilities and apparatus (City of Highland 2006). The City of Highland also has available fire protection services from other area agencies such as the cities of Redlands and Yucaipa, and the U.S. Forest Service (City of Highland 2006). The City also participates in the Statewide Master Mutual Aid Agreement, which provides additional assistance from San Bernardino City and County Fire Departments and the San Manuel Fire Department (City of Highland 2006).

The closest fire station to the project is Highland Fire Department Station No. 543 (7649 Sterling Ave), located approximately 0.9 miles west of the project site. Considering the proximity of the project site to Station No. 543, and given the fact that the project site is already located within CAL FIRE's service area, the project could be adequately served by the various fire departments without adversely effecting personnel-to-resident ratios, response times, or other performance objectives.

In addition, the project would not directly or indirectly induce population growth in the City. Although the project could potentially result in a slight, incremental increase in calls for service to the project site in comparison to the existing conditions, this increase is expected to be nominal and would not result in the need for new CAL FIRE facilities. Nonetheless, similar to other development projects in the City, the project applicant would still be required to pay their fair share of development impact fees to help offset incremental impacts to fire protection services. Therefore, impacts associated with CAL FIRE facilities and response times would be less than significant.

Police protection?

Less-than-Significant Impact. The City of Highland contracts with the San Bernardino County Sheriff's Department (SBSD) to provide police protection to the City, including the project site (City of Highland 2006). The SBSD has one patrol station in the City of Highland, located at 26985 East Base Line, approximately 0.85 miles northeast of the site.

The project would not directly or indirectly induce population growth in the City. While the project would potentially result in a slight, incremental increase in calls to the SBSD for service to the project site in comparison to the existing conditions, this increase is expected to be nominal and would not result in the need for new SBSD facilities. In addition, the project site is already located within SBSD's service area and would not require an expansion of service area, which could otherwise result in longer response time. Overall, it is anticipated that the project would be adequately served by existing SBSD facilities, equipment, and personnel. Nonetheless, similar to other development projects in the City, the project applicant would still be required to pay their fair share of development impact fees to help offset incremental impacts to police protection services. Therefore, impacts associated with SBSD facilities and response times would be less than significant. In addition, the applicant will be required to follow the City of Highland's Development

Impact Fee Ordinance (Fee Ordinance). The Fee Ordinance requires the applicant submit a fee payable to the City which will apply to the funding of public facilities, including law enforcement facilities. Therefore, impacts to police protection resources resulting from the proposed project would be less than significant.

Schools?

No Impact. The project site is located within the San Bernardino City Unified School District. It is not anticipated that people would relocate to the City as a result of the project, and an increase in school-age children requiring public education is not expected to occur as a result of the project. Nonetheless, all residential and non-residential development projects are subject to SB 50, which requires payment of mandatory impact fees to offset any impact to school services or facilities. The provisions of SB 50 are deemed to provide full and complete mitigation of school facilities impacts, notwithstanding any contrary provisions in CEQA or other state or local laws (Government Code Section 65996). In accordance with SB 50, the project applicant would pay its fair share of impacts fees based on the number/type of dwelling units. These impact fees are required of most residential, commercial, and industrial development projects in the City. Therefore, no impacts associated with school facilities would occur.

Parks?

No Impact. Given the lack of population growth as a result of the project, neither construction nor operation of the project would generate new residents to the extent that new or expanded park facilities would be required. Therefore, no impacts associated with park facilities would occur.

Other public facilities?

No Impact. The project would not directly or indirectly induce substantial population growth in the City. As such, it is unlikely that the project would increase the use of other public facilities such as libraries. Therefore, no impacts associated with libraries and other public facilities would occur.

3.16 Recreation

	Potentially Significant Impact	Less Than Significant Impact With Mitigation Incorporated	Less Than Significant Impact	No Impact
XVI. RECREATION				
a) Would the project increase the use of existing neighborhood and regional parks or other recreational facilities such that substantial physical deterioration of the facility would occur or be accelerated?	☐	☐	☐	☒
b) Does the project include recreational facilities or require the construction or expansion of recreational facilities which might have an adverse physical effect on the environment?	☐	☐	☐	☒

a) ***Would the project increase the use of existing neighborhood and regional parks or other recreational facilities such that substantial physical deterioration of the facility would occur or be accelerated?***

No Impact. The project would construct a new warehouse building and associated improvements. The project does not propose any residential uses and would not directly or indirectly result in a substantial and unplanned increase in population growth within the project area. As such, the project would not increase the use of existing neighborhood parks or regional parks in the City and surrounding area. Therefore, no impacts associated with the use of existing residential facilities would occur.

b) ***Does the project include recreational facilities or require the construction or expansion of recreational facilities, which might have an adverse physical effect on the environment?***

No Impact. The project would construct a new warehouse building and associated improvements. The project does not propose any recreational facilities. As an industrial use, the project would not require the construction or expansion of recreational facilities. Therefore, no impacts associated with the construction of new or expansion of existing recreational facilities would occur.

3.17 Transportation

	Potentially Significant Impact	Less Than Significant Impact With Mitigation Incorporated	Less Than Significant Impact	No Impact
XVII. TRANSPORTATION – Would the project:				
a) Conflict with a program, plan, ordinance, or policy addressing the circulation system, including transit, roadway, bicycle, and pedestrian facilities?	☐	☐	☒	☐
b) Conflict or be inconsistent with CEQA Guidelines section 15064.3, subdivision (b)?	☐	☐	☒	☐
c) Substantially increase hazards due to a geometric design feature (e.g., sharp curves or dangerous intersections) or incompatible uses (e.g., farm equipment)?	☐	☐	☒	☐
d) Result in inadequate emergency access?	☐	☐	☒	☐

The following analysis prepared consistent with the requirements of the San Bernardino County Transportation Authority (SBCTA) Recommended Traffic impact Analysis (TIA) Guidelines for Vehicle Miles Traveled and Level of Service Assessment, February 2020, City of Highland Public Works Policies, Procedures and Standards for traffic studies (Traffic Study Guidelines) (September 2016), as well as Senate Bill (SB) 743 and the current CEQA Guidelines for potential impacts to vehicle miles traveled (VMT).

Trip Generation Analysis

Trip generation estimates for the project are based on daily and AM and PM peak hour trip generation rates obtained from the Institute of Transportation Engineers (ITE) Trip Generation Handbook, 11th Edition (ITE 2021), using the warehousing land use (ITE Code 150).

The project site consists of four residences. Trip credits for the existing land uses have been assumed in this analysis.

PCE factors were also applied to the trip generation estimates to account for truck traffic. The City of Highland indicates that projects with high truck percentages should convert project trips to PCE. A 1.5 PCE factor was applied to 2-axle trucks, 2.0 PCE for 3-axle trucks, and a 3.0 PCE factor was applied to 4-axle trucks per the San Bernardino County Congestion Management Program (CMP). Table 3.17-1 presents the project's daily, and AM and PM peak hour trip generation estimates.

Table 3.17-1. Project Trip Generation Summary

Land Use	ITE Code	Size/Units	Daily	AM Peak Hour			PM Peak Hour		
				In	Out	Total	In	Out	Total
Trip Rates[1]									
Warehousing	150	TSF	1.71	0.13	0.04	0.17	0.05	0.13	0.18
Single-family (detached)	210	DU	9.43	0.18	0.52	0.70	0.59	0.35	0.94
Existing Trip Generation[2]									
Existing Residences	210	4.0 DU	38	1	2	3	3	1	4
Project Trip Generation									
Proposed Project	150	90.532 TSF	155	12	4	16	4	12	16
Vehicle Mix[3]		**Percent[3]**							
Passenger Vehicles		72.5%	112	9	3	12	3	9	12
Trucks		27.5%	43	4	1	5	1	3	4
2-Axle Trucks		*4.6%*	7	1	0	1	0	1	1
3-Axle Trucks		*5.7%*	9	0	1	1	0	1	1
4+-Axle Trucks		*17.2%*	27	3	0	3	1	2	3
Project Trip Generation (Non-PCE)			***155***	***13***	***4***	***17***	***4***	***12***	***16***
Net New Project Trip Generation (Non-PCE)			***117***	***12***	***2***	***14***	***1***	***11***	***12***
		PCE Factor[4]							
Passenger Vehicles		1.0	112	9	3	12	3	9	12
2-Axle Trucks		1.5	11	1	0	1	0	1	1
3-Axle Trucks		2.0	18	0	2	2	0	2	2
4+-Axle Trucks		3.0	80	9	0	9	3	6	9
Project Trip Generation (PCE)			***220***	***19***	***5***	***24***	***6***	***18***	***24***
Net New Project Trip Generation (PCE)			***183***	***18***	***3***	***21***	***3***	***17***	***20***

Notes: TSF = Thousand Square Feet

1 Trip rates from the Institute of Transportation Engineers (ITE), Trip Generation, 11th Edition, 2021.

2 Existing trip credit was calculated using ITE trip rate and applied for 4 residences that currently exist on-site and would be demolished to construct the proposed project.

3 Vehicle Mix and Percent from SCAQMD, Warehouse Truck Trip Study Data Results and Usage, July 2014.

4 Passenger Car Equivalent (PCE) factors per the San Bernardino County Congestion Management Program (CMP), 2016.

As detailed above, the project would generate 117 daily trips, 14 AM peak hour trips (12 inbound and 2 outbound), and 12 PM peak hour trips (1 inbound and 11 outbound). Applying PCE factors for truck traffic, the project would generate 183 daily PCE trips, 21 AM peak hour PCE trips (18 inbound and 3 outbound), and 20 PM peak hour PCE trips (3 inbound and 17 outbound).

a) ***Would the project conflict with a program, plan, ordinance, or policy addressing the circulation system, including transit, roadway, bicycle, and pedestrian facilities?***

Less-than-Significant Impact. As detailed in the following text, the project would not conflict with a program, plan, ordinance, or policy addressing the circulation system, including transit, roadway, bicycle, and pedestrian facilities.

Roadway Facilities

The project is located within the jurisdiction of the City of Highland; therefore, the following consistency requirements would apply.

San Bernardino Associated Governments Congestion Management Plan

The City of Highland is located in San Bernardino County and therefore, the San Bernardino County Transportation Authority CMP applies to the City. To address the increasing public concern that traffic congestion is impacting the quality of life and economic vitality of the State of California, Proposition 111 created the CMP in 1990. The intent of the CMP is to provide the analytical basis for transportation decisions through the State Transportation Improvement Program process. In 1990, the San Bernardino Associated Governments was designated the Congestion Management Agency (CMA) for San Bernardino County. Although implementation of the CMP was made voluntary by the passage of AB 2419 (Bowler 1996), the CMP requirement has been retained in San Bernardino County.

The LOS at each CMP location is monitored by local jurisdictions in order to implement the statutory requirements of the CMP. If LOS standards deteriorate, then local jurisdictions must prepare a deficiency plan to meet conformance standards outlined by the countywide plan. The local CMP requires that a TIA report be prepared when a project's trip generation exceeds 250 two-way peak hour trips and expects to add at least 50 two-way peak hour trips to a State highway facility. For the CMP roadway system, the LOS standard shall be E for all segments and intersections except those designated LOS F, as listed in Table 2-1 of the CMP (SANBAG 2016). The nearest CMP facility is the intersection of Victoria Avenue/5th Street.

Based on the project's trip generation estimates as described above, development of the proposed project would not be likely to result in degradation of the nearby CMP facilities due to the low volume of vehicular traffic (less than 250 peak hour trips, and less than 50 peak hour trips to a State highway facility, per the CMP). Therefore, impacts associated with project-related traffic on both the local and regional circulation system would be less than significant.

City of Highland

Traffic Study Guidelines

The City of Highland Traffic Study Guidelines are included in Chapter 9 of the City's Public Works Policies, Procedures and Standards Manual. Although changes in CEQA regarding SB 743 implementation shifts the primary metric for traffic analyses from LOS to VMT, the City has not yet adopted updated guidelines or

thresholds related to VMT. As such, the City continues to require a Traffic Report to analyze the surrounding transportation network to evaluate the project's effect on the City's transportation infrastructure, and identify improvements required to maintain consistency with the City's LOS standards. Per the Traffic Study Guidelines, a Traffic Report would be required if a project exceeds the CMP thresholds (250 two-way peak hour trips) or generates more than 1,000 new two-way daily trips, or 100 two-way peak hour trips. Additionally, the City may require a Traffic Report if there are concerns regarding access, roadway structural impacts or level of service on intersection or roadway segments adjacent to the project. Trip generation estimates for the project are summarized above.

Based on the project's trip generation estimates as described above, development of the proposed project would likely not result in degradation of the nearest intersections of Grape Street/Cypress Street, Grape Street/6th Street, or other nearby intersections due to the low volume of vehicular traffic (less than 100 peak hour trips). However, the scoping of a focused Traffic Report is in progress with the City and is subject to review and approval by the City prior to project approval. By proceeding with scoping of a Traffic Report, the project complies with and would not conflict with the City's Traffic Study Guidelines. Therefore, impacts would be less than significant.

General Plan Circulation Element

The City of Highland adopted its most recent version of the General Plan in March 2006. The General Plan Circulation Element takes into consideration transit, bicycle, pedestrian, and other multimodal uses. The Circulation Element primarily utilizes volume-to-capacity LOS as a measurement in the rating of the performance of streets. The Circulation Element establishes the following LOS criteria:

- *LOS D or better for major intersections in the City.*
- *LOS D is considered acceptable for peak operating periods.*
- *Any City of Highland intersection operating at LOS "E" or "F" is considered deficient.*

As the proposed project is forecast to generate 21 AM peak hour trips and 20 PM peak hour trips (net new PCE-adjusted), the proposed project would not exceed the 250 two-way peak hour trip threshold for the preparation of a TIA per the CMP or the 100 two-way peak hour trip threshold for preparation of a Traffic Report per the City's Traffic Study Guidelines. Therefore, a TIA and further LOS analysis would not be required, unless requested by the City for a focused analysis of specific facilities as noted above.

Additionally, the project site is bordered by Grape Street to the west, along with 6th Street to the south of the project site and Victoria Street to the east. . Grape Street does not have a designated Circulation Element roadway classification; however, 6th Street as a Collector Street and Victoria Avenue is designated as a Major Highway. Per the Circulation Element, a Collector Street is generally a two-lane roadway intended to carry traffic between residential and commercial land uses, with a 44-foot, curb-to-curb width within a 66-foot ROW. The project would not conflict with the right-of-way along 6th Street.

Per the Circulation Element, a Major Highway is generally designed as a four-lane roadway intended to provide nonlocal through trips and limited local access, with an 88-foot curb-to-curb width (with a 12-foot median), within a 104-foot ROW. Although Victoria Avenue is not currently built out to its ultimate ROW, and does not include a 12-foot center median, the Circulation Element notes that Victoria Avenue is designated as a Major Highway to preserve adequate ROW for the Airport entry and accommodate future traffic. Additionally, the Circulation Element notes the potential for a new interchange for I-210 at Victoria Avenue

to the north, as Victoria Avenue is identified as the "major entryway into the San Bernardino International Airport and [serves] as the linkage between the Airport and San Manuel Indian Casino and Bingo facility." The project would not conflict with future build-out of the roadway. Therefore, impacts related to project consistency with the General Plan Circulation Element would be less than significant.

Pedestrian and Bicycle Facilities

Although the General Plan Circulation Element includes several bicycle classifications, the City of Highland Active Transportation Plan, adopted February 2021, provides a more comprehensive and updated overview of the City's current and future recommendations to enhance multi-modal facilities:

Class I Shared-Use Paths are paths completely separated from motor vehicle traffic used by people for walking and biking. These paths are typically located immediately adjacent and parallel to a roadway or in its own independent ROW, such as within a park or along a body of water.

Class II Bicycle Lanes are dedicated lanes for bicycle travel adjacent to traffic. A painted white line separates the bicycle lane from motor vehicle traffic.

Class IIB Buffered Bicycle Lane are dedicated lanes for bicycle travel separated from vehicle traffic by a painted buffer. The buffer provides additional comfort for users by providing space from motor vehicles or parked cars.

Class III Bicycle Routes are signed bike routes that people biking share with motor vehicles, which can include pavement markings.

Class IIIB Bicycle Boulevards are calm, local streets where bicycles have priority but share roadway space with motor vehicles. These boulevards include shared roadway bicycle markings on the pavement as well as traffic calming features such as speed humps and traffic diverters to keep these streets more comfortable for bicycles.

No existing bicycle facilities exist adjacent to the project site. The nearest proposed facility would include a Class II Bicycle Lane along Victoria Avenue, adjacent to the project site, extending from 5th Street to Sparks Street. As such, the project would not conflict with existing or proposed bicycle facilities, and impacts would be less than significant.

Site analysis of the project area identifies existing sidewalk and pedestrian facilities along the full extents of adjacent and nearby streets in the vicinity of the project site. The project includes frontage improvements, including sidewalks and paths along all project frontages. As such, development of the project would not conflict with the existing pedestrian facilities, and impacts would be less than significant.

Transit Facilities

Omnitrans provides public transportation throughout the San Bernardino Valley and would serve as the nearest transit service to the project site. The nearest Omnitrans bus stop serves Route 15, located approximately 0.19 miles northeast of the project site at the intersection of Victoria Avenue/9th Street. Route 15 operates between the Fontana Metrolink Transit Center and the City of Redlands via the Cities of Rialto, San Bernardino, and Highland, with a peak service frequency of 60 minutes throughout the week. Development of the proposed project would not conflict with the existing bus routes or bus stops. Therefore, impacts to transit would be less than significant.

b) Would the project conflict or be inconsistent with CEQA Guidelines section 15064.3, subdivision (b)?

Less-Than-Significant Impact. CEQA Guidelines Section 15064.3(b) focuses on VMT for determining the significance of transportation impacts. As shown in the analysis below, the project's impact due to conflict or inconsistency with Section 15064.3(b) would be less than significant.

On September 27, 2013, SB 743 was signed into law, which creates a process to change the way that transportation impacts are analyzed under CEQA. SB 743 required OPR to amend the CEQA Guidelines to provide an alternative to LOS for evaluating transportation impacts. Under the new transportation guidelines, LOS, or vehicle delay, is no longer considered an environmental impact under CEQA. OPR recommended VMT as the most appropriate measure of project transportation impacts for land use projects and land use plans. The updates to the CEQA Guidelines required under SB 743 were approved on December 28, 2018. The OPR Technical Advisory (OPR 2018) provides guidance and tools to properly carry out the principles within SB 743 and how to evaluate transportation impacts in CEQA.

The Updated CEQA Guidelines state that "...generally, vehicle miles traveled (VMT) is the most appropriate measure of transportation impacts..." and define VMT as "...the amount and distance of automobile travel attributable to a project...". It should be noted that "automobile" refers to on-road passenger vehicles, specifically cars and light trucks. Heavy-duty truck VMT could be included for modeling convenience and ease of calculation (for example, where models or data provide combined auto and heavy truck VMT). Other relevant considerations may include the effects of the project on transit and non-motorized travel.

The City of Highland uses the SBCTA Recommended Traffic impact Analysis (TIA) Guidelines for Vehicle Miles Traveled and Level of Service Assessment, February 2020 as other member agencies throughout the county. Therefore, the SBCTA Recommended TIA Guidelines were utilized as the primary source of analysis of VMT and transportation-related impacts herein. The guidance developed is generally based upon the OPR Guidelines and thresholds.

The details of applicable screening and VMT analysis methodology are provided below. If the project does not meet the applicable screening criteria, then further analysis is required.

VMT Screening

As stated previously, the City of San Bernardino's VMT Guidelines were utilized within this memorandum as the primary source of analysis of VMT and transportation-related impacts. The VMT Guidelines suggest that land use projects may screen out of VMT impacts using a variety of factors. The following steps have been used in screening the project's VMT assessment, consistent with the applicable VMT guidelines for SB 743 compliance:

- **Transit Priority Area Screening:**
  - Projects located within one-half mile of a Transit Priority Area is defined as one-half mile area around an existing major transit stop[23] or an existing stop along a high quality transit corridor.[24]

[23] Pub. Resources Code, Section 21064.3 - 'Major transit stop' means a site containing an existing rail transit station, a ferry terminal served by either a bus or rail transit service, or the intersection of two or more major bus routes with a frequency of service interval of 15 minutes or less during the morning and afternoon peak commute periods.

[24] Pub. Resources Code, Section 21155 - For purposes of this section, a 'high-quality transit corridor' means a corridor with fixed route bus service with service intervals no longer than 15 minutes during peak commute hours.

The Project is not within one-half mile of a Transit Priority Area, and therefore cannot be presumed to be less than significant under this threshold.

- **Low-VMT Area Screening:**
  - Low-VMT generating areas (as shown in the San Bernardino County Transportation Authority screening tool). A low VMT area is defined as an individual traffic analysis zone where total daily Origin/Destination VMT per service population is lower than the City average total daily Origin/Destination VMT per service population.

The project is not located in a low-VMT generating area.

- **Local Serving Uses and Small Projects Presumed to have Less Than Significant Impact:**
  - Local parks
  - Day care centers
  - Local serving retail uses less than 50,000 square feet, including:
    - Gas Stations
    - Banks
    - Restaurants
    - Shopping Center
  - Student housing projects on or adjacent to college campuses
  - Local serving assembly uses (places of worship, community organizations)
  - Community institutions (public libraries, fire stations, local government)
  - Hotels (non-destination or resort; no banquet or special event space)
  - Affordable or supportive housing
  - Assisted living facilities
  - Senior housing
  - Local serving community colleges that are consistent with the assumptions noted in the Regional Transportation Plan/Sustainable Communities Strategy
  - Projects generating less than 110 daily vehicle trips
    - This generally corresponds to the following "typical" development potentials:
      - 11 single family housing units
      - 16 multi-family, condominiums, or townhouse units
      - 10,000 square feet of office
      - 15,000 square feet of light industrial
      - 63,000 square feet of warehousing
      - 79,000 square feet of high cube transload and short-term storage warehouse

    Based on the trip generation estimates provided in Table 3.17-1, the project would generate 117 daily vehicle trips. Since the project would generate more than 110 daily vehicle trips, the project would not meet the daily vehicle trips screening threshold.

The project does not meet any of the aforementioned screening criteria, therefore, a VMT analysis has been prepared.

VMT Analysis

The City requires the evaluation of project generated VMT as well as project's effect on VMT to be analyzed in detail for projects that do not meet any of their screening criteria. The calculation of VMT for land use projects is based on the total number of trips generated and the average trip length of each vehicle. The SBCTA Guidelines identify the San Bernardino Transportation Analysis Model (SBTAM) as the appropriate tool to conduct a detailed VMT analysis for land use projects. The technical memorandum describing the SBTAM model run for VMT by sub-consultant Urban Crossroads is included in Appendix H.

Project VMT

The SBTAM is trip-based regional travel demand model that considers interaction between different land uses based on socio-economic data such as population, households, and employment. Project VMT has been calculated using the most current version of SBTAM. Adjustments in socio-economic data (i.e., employment) were made to the appropriate TAZ within the SBTAM model to reflect the Project's proposed warehousing land use. The Project socio-economic data is consistent with the employment density factors for San Bernardino County from the SCAG Employment Density Survey (October 31, 2001). Based on number of employees estimated using Table II-B of the SCAG study (1 employee per 1,195 square feet), the Project was coded with 76 employees.

The Project generated VMT is defined as the VMT attributed to vehicle trips to and from the Project zone or zones. Based on the City's recommended thresholds, if a project generated VMT per service population exceeds City of Highland average VMT per service population, the Project would create significant impact under CEQA.

Project generated VMT is extracted from the SBTAM model using the production attraction (PA) trip matrices. The PA matrices are then multiplied by the final assignment (distance) skims. Project generated baseline VMT was calculated from the baseline travel forecasting model which was also used to establish the City's VMT threshold. Additionally, the project generated VMT was calculated in the cumulative travel forecasting model to estimate VMT in cumulative conditions. Project VMT was then normalized by dividing by the Project's service population (SP) (i.e., estimated number of employees for industrial type uses) for their respective baseline and cumulative conditions. This calculation changes the raw VMT value into an efficiency metric for ease of comparison. As the Project does not contain residential land uses, the service population consists entirely of the Project's employment. Project generated VMT was calculated for both the base year model (2016) and cumulative year model (2040) and linear interpolation was used to determine the baseline (2022) project generated VMT. Table 3.17-2 summarizes the findings of this evaluation.

Table 3.17-2. Summary of Project VMT per SP

	Base year (2016)	Cumulative (2040)	Baseline (2022)
Service Population (SP)	76	76	76
VMT	1,186	1,898	1,364
VMT/SP	15.60	24.98	17.95

Source: Appendix H
Note: VMT = vehicle miles traveled

VMT Impact Determination

Based on consultation with City staff, for a simple employment generating land use project in the City shall use the VMT metric of VMT per service population as the appropriate measure in a VMT analysis. The City Guidelines have identified following recommended threshold:

- The baseline and cumulative project generated VMT per service population exceeds the future City buildout citywide average VMT per service population.

As shown in the Table 3.17-3 below, the City average VMT is 27.1 VMT/SP under future buildout (Year 2040) conditions. As shown, the Project's VMT per SP would be 33.76 percent below the City's impact threshold for baseline conditions and 7.82 percent below the City's impact threshold for cumulative conditions. Because the Project generated VMT per SP does not exceed the future buildout City of Highland VMT per SP in either the baseline or cumulative conditions, the Project generated VMT impact would be less than significant.

Table 3.17-3. Project VMT per SP Comparison

	Base year (2022)	Cumulative (2040)
City Future Buildout VMT per SP (Impact Threshold)	27.1	27.1
Project-generated VMT per SP	17.95	24.98
Percent Change	-33.76%	-7.82%
Potentially Significant?	No	No

Source: SBTAM Model Results; (Appendix H)
Note: VMT = vehicle miles traveled; SP = Service Population

While the project's VMT impacts would be less than significant, several regulatory requirements, project design features, and existing conditions would further facilitate a reduction in project VMT. The project would facilitate carpooling and vanpooling by providing parking spaces designated for low-emitting, fuel-efficient and carpool/van pool vehicles, as required by Title 24. Additionally, the project site is located along Omnitrans Route 15. Together, these measures would provide future employees of the project several alternative modes to using single-passenger vehicles to access the project site.

Therefore, based on the VMT analysis above, the project's impact to VMT would be less than significant.

c) ***Would the project substantially increase hazards due to a geometric design feature (e.g., sharp curves or dangerous intersections) or incompatible uses (e.g., farm equipment)?***

Less-than-Significant Impact. Access to the project site would be provided by two driveways along Grape Street. The northernmost driveway would serve as passenger vehicle access only, with the southernmost driveway serving as a truck access driveway. Passenger vehicles would also be permitted to utilize the southern driveway.

The project would construct frontage improvements of existing segments of Grape Street, and new driveways for project access.

During site plan review, the internal roadway and driveway widths, curb radii to facilitate passenger car and truck turning and movement would be reviewed, designed, and constructed per City standards and applicable street design requirements.

For on-site construction and any improvements required within the public ROW, the proposed project would be required to comply with standards set forth by the City to ensure that the project does not introduce an incompatible design feature that would impede traffic flow on roadway facilities. There would be no incompatible or hazardous uses associated with the proposed project and impacts would be less than significant.

*d) **Would the project result in inadequate emergency access?***

Less-than-Significant Impact. Site access would be provided via two driveways along Grape Street. Emergency vehicle access will be available at all driveways and facilitated within the entirety of the project site. The project site would be accessible to emergency responders during construction and operation of the project. Therefore, impacts associated with an emergency response plan or emergency evacuation plan would be less than significant.

3.18 Tribal Cultural Resources

	Potentially Significant Impact	Less Than Significant Impact With Mitigation Incorporated	Less Than Significant Impact	No Impact
XVIII. TRIBAL CULTURAL RESOURCES				
Would the project cause a substantial adverse change in the significance of a tribal cultural resource, defined in Public Resources Code section 21074 as either a site, feature, place, cultural landscape that is geographically defined in terms of the size and scope of the landscape, sacred place, or object with cultural value to a California Native American tribe, and that is:				
a) Listed or eligible for listing in the California Register of Historical Resources, or in a local register of historical resources as defined in Public Resources Code section 5020.1(k), or	☐	☒	☐	☐
b) A resource determined by the lead agency, in its discretion and supported by substantial evidence, to be significant pursuant to criteria set forth in subdivision (c) of Public Resources Code Section 5024.1? In applying the criteria set forth in subdivision (c) of Public Resources Code Section 5024.1, the lead agency shall consider the significance of the resource to a California Native American tribe.	☐	☒	☐	☐

The evaluation of potential impacts to Tribal Cultural Resources is based on the findings resulting from tribal consultation conducted by the City of Highland, as the lead agency, as well as the findings of the Archaeological Resources Assessment conducted by Dudek in 2022 (Appendix E). Background research conducted to inform this

analyses include the results of a NAHC SLF search, ethnographic research, archival research and CHRIS database records search, and the results of formal tribal consultation completed by the lead agency, the City, pursuant to AB 52, a brief summary of which is provided in this section.

Existing Setting – Ethnohistoric

The history of the Native American communities prior to the mid-1700s has largely been reconstructed through later mission-period and early ethnographic accounts. The first records of the Native American inhabitants of the region come predominantly from European merchants, missionaries, military personnel, and explorers. These brief, and generally peripheral, accounts were prepared with the intent of furthering respective colonial and economic aims and were combined with observations of the landscape. They were not intended to be unbiased accounts regarding the cultural structures and community practices of the newly encountered cultural groups. The establishment of the missions in the region brought more extensive documentation of Native American communities, though these groups did not become the focus of formal and in-depth ethnographic study until the early twentieth century (Bean and Shipek 1978; Boscana 1846; Harrington 1934; Laylander 2000; Sparkman 1908; White 1963). The principal intent of these researchers was to record the precontact and culturally specific practices, ideologies, and languages that had survived the destabilizing effects of missionization and colonialism. This research, often understood as "salvage ethnography," was driven by the understanding that traditional knowledge was being lost due to the impacts of modernization and cultural assimilation. Alfred Kroeber applied his "memory culture" approach (Lightfoot 2005, p. 32) by recording languages and oral histories within the region. Ethnographic research by Dubois, Kroeber, Harrington, Spier, and others during the early twentieth century seemed to indicate that traditional cultural practices and beliefs survived among local Native American communities.

It is important to note that even though there were many informants for these early ethnographies who were able to provide information from personal experiences about native life before the Europeans, a significantly large proportion of these informants were born after 1850 (Heizer and Nissen 1973); therefore, the documentation of precontact, aboriginal culture was being increasingly supplied by individuals born in California after considerable contact with Europeans. As Heizer (1978) stated, this is an important issue to note when examining these ethnographies, since considerable culture change had undoubtedly occurred by 1850 among the Native American survivors of California.

Based on ethnographic information, it is believed that at least 88 different languages were spoken from Baja California Sur to the southern Oregon state border at the time of Spanish contact (Johnson and Lorenz 2006, p. 34). The distribution of recorded Native American languages has been dispersed as a geographic mosaic across California through six primary language families (Golla 2007).

Golla contended that one can interpret the amount of variability within specific language groups as being associated with the relative "time depth" of the speaking populations (Golla 2007, p. 80). A large amount of variation within the language of a group represents a greater time depth than a group's language with less internal diversity. One method that he has employed is by drawing comparisons with historically documented changes in Germanic and Romantic language groups. Golla observed that the "absolute chronology of the internal diversification within a language family" can be correlated with archaeological dates (2007, p. 71). This type of interpretation is modeled on concepts of genetic drift and gene flows that are associated with migration and population isolation in the biological sciences.

The tribes of this area have traditionally spoken Takic languages that may be assigned to the larger Uto-Aztecan family (Golla 2007, p. 74). These groups include the Gabrielino, Cahuilla, and Serrano. Golla interpreted the amount of internal diversity within these language-speaking communities to reflect a time depth of approximately 2,000 years. Other researchers have contended that Takic may have diverged from Uto-Aztecan ca. 2600 BC–

AD 1, which was later followed by the diversification within the Takic speaking tribes, occurring approximately 1500 BC–AD 1000 (Laylander 2000).

Serrano

Traditionally, the Serrano lived in an area east of the Gabrielino and north of the Cahuilla, near present-day western San Bernardino County and northeastern Los Angeles County (Laylander 2000). The Serrano occupied an area in and around the San Bernardino Mountains between approximately 1,500 and 11,000 feet above mean sea level. Their territory extended west along the northern slope of the San Gabriel Mountains, east as far as Twentynine Palms, north along the Mojave River, and south to the San Jacinto area. Kroeber (1925) divided the Serrano into four distinct groups within the western Mojave Desert: the Kitanemuk, Tataviam, Serrano, and Vanyume. Each group held a distinct territory within the region (Kroeber 1925). According to Bean and Smith (1978a, p. 570), "the Serrano resided in an area that extended east of the Cajon Pass, located in the San Bernardino Mountains, to Twenty-nine Palms, the north foothills of the San Bernardino Mountains and south to include portions of the Yucaipa Valley."

Serrano social organization was based on patrilineal and patrilocal lineages. Exogamy rules required that a man could not marry a woman related to them within five generations. Women moved to their husband's village, but kept their identity as a member of their natal lineage (Cultural Systems Research 2005:15).

The Serrano were mainly hunters and gatherers who occasionally fished. Game hunted included mountain sheep, deer, antelope, rabbits, small rodents, and various birds, particularly quail. Vegetable staples consisted of acorns, piñon nuts, bulbs and tubers, shoots and roots, berries, mesquite, barrel cacti, and Joshua tree (Bean and Smith 1978a; Cultural Systems Research 2005:15). A variety of materials was used for hunting, gathering, and processing food, as well as for shelter, clothing, and luxury items. Shells, wood, bone, stone, plant materials, and animal skins and feathers were used for making baskets, pottery, blankets, mats, nets, bags and pouches, cordage, awls, bows, arrows, drills, stone pipes, musical instruments, and clothing (Bean and Smith 1978a).

The majority of the Serrano lived in small villages, close to sources of fresh water (Benedict 1924). Houses and ramadas were round, dome-shaped, and constructed of poles covered with bark and tule mats (Benedict 1924; Kroeber 1925). The Serrano also had sweat houses and ceremonial houses for religious activities. Further, according to Benedict (1924), a typical Serrano settlement was a village with multiple small satellite camps surrounding it. Most Serrano villages also had a ceremonial house used as a religious center. Other structures within the village might include granaries and sweathouses (Bean and Smith 1978a). According to DeBarros (2004), one of the more prominent Serrano villages was called Guapiabit, and it was located in Summit Valley.

Gabrieliño/Tongva

The archaeological record indicates that the Gabrielino arrived in the Los Angeles Basin around 500 B.C. Surrounding native groups included the Chumash and Tataviam to the northwest, the Serrano and Cahuilla to the northeast, and the Juaneño and Luiseño to the southeast.

The names by which Native Americans identified themselves have, for the most part, been lost and replaced by those derived by the Spanish people administering the local Missions. These names were not necessarily representative of a specific ethnic or tribal group, and traditional tribal names are unknown in the post-Contact period. The name "Gabrieliño" or "Gabrieleño" was first established by the Spanish from the San Gabriel Mission and included people from the established Gabrielino area as well as other social groups (Bean and Smith

1978b; Kroeber 1925). Some contemporary Gabrieliño identify themselves as descendants of the indigenous people living across the plains of the Los Angeles Basin and refer to themselves as the Tongva (King 1994, p. 12). This term is used in the remainder of this section in addition to the name "Gabrieleño" to refer to the precontact inhabitants of the Los Angeles Basin and their descendants.

The Gabrieleño/Tongva established large, permanent villages along rivers and streams, and lived in sheltered areas along the coast. Gabrieleño/Tongva lands included the greater Los Angeles Basin and three Channel Islands—San Clemente, San Nicolas, and Santa Catalina—and stretched from the foothills of the San Gabriel Mountains to the Pacific Ocean. Archaeological sites composed of villages with various sized structures have been identified through the Los Angeles Basin. A total tribal population has been estimated of at least 5,000 (Bean and Smith 1978b, p.540), but recent ethnohistoric work suggests a number approaching 10,000 seems more likely (O'Neil 2002). At least one Gabrieleño/Tongva village was located near Glendora: Ashuukshanga (also Azucsagna), located near the mouth of the San Gabriel River in present-day Azusa (McCawley 1996, p. 44). Within the permanent village sites, the Gabrieleño/Tongva constructed large, circular, domed houses made of willow poles thatched with tule, each of which could hold upwards of 50 people (Bean and Smith 1978b). Other structures constructed throughout the villages probably served as sweathouses, menstrual huts, ceremonial enclosures, and communal granaries. Cleared fields for races and games, such as lacrosse and pole throwing, were created adjacent to Tongva villages (McCawley 1996).

The Gabrieleño/Tongva subsistence economy was centered on gathering and hunting. The surrounding environment was rich and varied, and the tribe exploited mountains, foothills, valleys, and deserts as well as riparian, estuarine, and open and rocky coastal eco-niches. Like most native Californians, acorns were the staple food (an established industry by the time of the early Intermediate Horizon). Acorns were supplemented by the roots, leaves, seeds, and fruits of a variety of flora (e.g., islay, cactus, yucca, sages, and agave). Freshwater and saltwater fish, shellfish, birds, reptiles, and insects, as well as large and small mammals, were also consumed (Bean and Smith 1978b, p. 546; Kroeber 1925, pp. 631–632; McCawley 1996, pp. 119–123, 128–131).

The Gabrieleño/Tongva participated in an extensive exchange network, trading coastal goods for inland resources. They exported Santa Catalina Island steatite products, roots, seal and otter skins, fish and shellfish, red ochre, and lead ore to neighboring tribes, as well as to people as far away as the Colorado River. In exchange, they received ceramic goods, deerskin shirts, obsidian, acorns, and other items. This burgeoning trade was facilitated by the use of craft specialists, a standard medium of exchange (Olivella bead currency), and the regular destruction of valuables in ceremonies, which maintained a high demand for these goods (McCawley 1996, pp. 112–115).

Assembly Bill 52

AB 52 of 2014 amended PRC Section 5097.94 and added PRC Sections 21073, 21074, 21080.3.1, 21080.3.2, 21082.3, 21083.09, 21084.2, and 21084.3. AB 52 established that tribal cultural resources must be considered under CEQA and also provided for additional Native American consultation requirements for the lead agency. PRC Section 21074 describes a tribal cultural resource as a site, feature, place, cultural landscape, sacred place, or object that is considered of cultural value to a California Native American Tribe. A tribal cultural resource (TCR) is either:

- On the CRHR or a local historic register;
- Eligible for the CRHR or a local historic register; or
- A resource determined by the lead agency, in its discretion and supported by substantial evidence, to be significant pursuant to criteria set forth in subdivision (c) of PRC Section 5024.1.

AB 52 formalizes the lead agency–tribal consultation process, requiring the lead agency to initiate consultation with California Native American groups that are traditionally and culturally affiliated with the project area, including tribes that may not be federally recognized. Lead agencies are required to begin consultation prior to the release of a negative declaration, mitigated negative declaration, or environmental impact report by contacting those tribal groups who have previously provided formal written request for notification of projects under the agency's jurisdiction.

Section 1 (a)(9) of AB 52 establishes that "a substantial adverse change to a tribal cultural resource has a significant effect on the environment." Effects on TCRs should be considered under CEQA. Section 6 of AB 52 adds Section 21080.3.2 to the PRC, which states that parties may propose mitigation measures "capable of avoiding or substantially lessening potential significant impacts to a tribal cultural resource or alternatives that would avoid significant impacts to a tribal cultural resource." Further, if a California Native American tribe requests consultation regarding project alternatives, mitigation measures, or significant effects to TCRs, the consultation shall include those topics (PRC Section 21080.3.2[a]). Finally, the environmental document, for which the tribal consultation is focused, and the mitigation monitoring and reporting program (where applicable), developed in consideration of information provided by tribes during the formal consultation process, shall include any mitigation measures that are adopted (PRC Section 21082.3[a]).

Assembly Bill 52 Consultation

The project is subject to compliance with AB 52 (PRC 21074), which requires consideration of impacts to TCRs as part of the CEQA process, and that the lead agency notify California Native American Tribal representatives (that have requested notification) who are traditionally or culturally affiliated with the geographic area of the proposed project. All NAHC-listed California Native American Tribal representatives that have requested project notification pursuant to AB 52 were sent letters by the City in July 2022, via U.S. Postal Service certified mailing and email. The notification letters contained a project description, outline of AB 52 timing, an invitation to consult, a project site plan, and contact information for the appropriate lead agency representative. No responses were received by the City to request formal consultation. The San Manuel Band of Mission Indians (SMBMI) informally provided mitigation measures, which have been incorporated into MM-TCR-1, below.

Would the project cause a substantial adverse change in the significance of a tribal cultural resource, defined in Public Resources Code section 21074 as either a site, feature, place, cultural landscape that is geographically defined in terms of the size and scope of the landscape, sacred place, or object with cultural value to a California Native American tribe, and that is:

a) Listed or eligible for listing in the California Register of Historical Resources, or in a local register of historical resources as defined in Public Resources Code section 5020.1(k)?

Less-than-Significant Impact with Mitigation Incorporated. As discussed in Section 3.5, no previously recorded archaeological resources of Native American origin or tribal cultural resources listed in the CRHR or a local register were identified within the proposed project site as a result of the SCCIC records or NAHC SLF search. As discussed in Section 3.5, the potential to encounter intact deposits containing archaeological resources within soils from the current grade and between 1 and 2.5 feet below ground surface is unlikely. However, the potential for intact cultural deposits to exist within native soils (below between 1 and 2.5 feet below ground surface) to the depths of assumed ground disturbance is unknown. For these reasons, the proposed project site should be treated as potentially sensitive for archaeological resources. Additionally, the City notified California Native American Tribal representatives who are traditionally or culturally affiliated with the geographic area of the project pursuant to AB 52. While no known tribal cultural resources have been

identified on the site, given that the potential for intact cultural deposits to exist within soils from 18 inches below current grade to the proposed depths of disturbance is unknown, MM-TCR-1 shall be required, in addition to MM-CUL-1, MM-CUL-2, and MM-CUL-3. With incorporation of these mitigation measures, impacts would be less than significant.

MM-TCR-1 Tribal Cultural Resources – The San Manuel Band of Mission Indians (SMBMI) shall be contacted if any pre-contact and/or historic-era cultural resources are discovered during project implementation, and be provided information regarding the nature of the find, so as to provide Tribal input with regards to significance and treatment. Should the find be deemed significant, as defined by CEQA (as amended, 2015), a cultural resources Monitoring and Treatment Plan shall be created by the archaeologist, in coordination with the SMBMI, and all subsequent finds shall be subject to this Plan. This Plan shall allow for a monitor to be present that represents the SMBMI for the remainder of the project, should the SMBMI elect to place a monitor on-site. Any and all archaeological/cultural documents created as a part of the project (isolate records, site records, survey reports, testing reports, etc.) shall be supplied to the applicant and Lead Agency for dissemination to the SMBMI. The City and/or applicant shall, in good faith, consult with the SMBMI throughout the life of the project.

b) ***A resource determined by the lead agency, in its discretion and supported by substantial evidence, to be significant pursuant to criteria set forth in subdivision (c) of Public Resources Code Section 5024.1? In applying the criteria set forth in subdivision (c) of Public Resource Code Section 5024.1, the lead agency shall consider the significance of the resource to a California Native American tribe.***

Less-than-Significant Impact with Mitigation Incorporated. The project is subject to compliance with AB 52 (PRC 21074), which requires consideration of impacts to tribal cultural resources as part of the CEQA process and requires lead agencies to provide notification of proposed projects to California Native American Tribal representatives that have requested such notifications. While no known tribal cultural resources have been identified on the site, given that the potential for intact cultural deposits to exist within soils from 18 inches below current grade to the proposed depths of disturbance is unknown, MM-TCR-1 shall be required, in addition to MM-CUL-1, MM-CUL-2, and MM-CUL-3. With incorporation of these mitigation measures, impacts would be less than significant.

3.19 Utilities and Service Systems

	Potentially Significant Impact	Less Than Significant Impact With Mitigation Incorporated	Less Than Significant Impact	No Impact
XIX. UTILITIES AND SERVICE SYSTEMS – Would the project:				
a) Require or result in the relocation or construction of new or expanded water, wastewater treatment or storm water drainage, electric power, natural gas, or telecommunications facilities, the construction or relocation of which could cause significant environmental effects?	☐	☐	☒	☐
b) Have sufficient water supplies available to serve the project and reasonably foreseeable future development during normal, dry, and multiple dry years?	☐	☐	☒	☐
c) Result in a determination by the wastewater treatment provider which serves or may serve the project that it has adequate capacity to serve the project's projected demand in addition to the provider's existing commitments?	☐	☐	☒	☐
d) Generate solid waste in excess of State or local standards, or in excess of the capacity of local infrastructure, or otherwise impair the attainment of solid waste reduction goals?	☐	☐	☒	☐
e) Comply with federal, state, and local management and reduction statutes and regulations related to solid waste?	☐	☐	☒	☐

a) Would the project require or result in the relocation or construction of new or expanded water, wastewater treatment or storm water drainage, electric power, natural gas, or telecommunications facilities, the construction or relocation of which could cause significant environmental effects?

Less-than-Significant Impact. The proposed project involves the construction of a warehouse building, as well as paved parking areas and landscape areas. The project site currently consists of single-family residences and vacant land. As such, the proposed project would increase demand for water supply compared to existing land uses.

As part of the project, utility service lines, including those for water, wastewater, stormwater drainage, electric power, natural gas, and telecommunications services, would be extended from their current locations in the public ROW surrounding the project site for operation of the proposed warehouse building. The proposed project would include the addition of a 2-foot domestic water line and a 6-foot sewer line connecting to existing utility lines within Grape Street, as well as various underground pipes to convey

stormwater to a 72-foot CMP Infiltration System. In addition, existing above-ground utility lines on the western project boundary would be re-routed underground, consistent with the City's Municipal Code Section 16.40.380.

Given that the activity of connecting utilities from their current locations within the public right-of-way would require ground disturbance and the use of heavy machinery associated with trenching, the connection of these utility services to the proposed warehouse building could potentially result in environmental effects. However, the extension of these utility lines is part of the proposed project analyzed herein. As such, any potential environmental impacts related to these components of the project are already accounted for in this IS/MND as part of the impact assessment conducted for the entirety of the project. No adverse physical effects beyond those already disclosed in this IS/MND would occur as a result of implementation of the project's utility system connections. Additionally, the project would constitute a nominal increase in utility usage, which has already been accounted for in growth projections for the City and by each utility provider. No modifications to utility infrastructure would be necessary outside of the immediate project area. As such, impacts associated with the construction or expansion of utility line connections would be less than significant.

b) ***Would the project have sufficient water supplies available to serve the project and reasonably foreseeable future development during normal, dry and multiple dry years?***

Less-than-Significant Impact. Domestic water would be provided to the project site by the EVWD. The EVWD provides domestic water for the City and for portions of both the City and County of San Bernardino. The primary water source for EVWD is groundwater from the Bunker Hill Basin. The Bunker Hill Basin has the capacity to provide 70,000 acre-foot per year of water from groundwater and surface water sources (City of San Bernardino 2005). The San Bernardino Valley Regional Urban Water Management Plan contains existing and projected water supplies for the region, including the EVWD. Table 3.19-1 shows projected water supplies during single- and multiple-dry year conditions, which represents "worst-case" conditions during extended periods of drought when supplies would be reduced.

Table 3.19-1. Projected Multiple Dry Year Supply and Demand Comparison (Acre-Feet)

Dry Year Scenario	2025	2030	2035	2040	2045
First Year					
Supply Totals	26,676	26,676	26,676	52,972	52,972
Demand Totals	26,676	26,676	26,676	52,972	52,972
Difference (supply minus demand)	0	0	0	0	0
Second Year					
Supply Totals	26,676	26,676	26,676	52,972	52,972
Demand Totals	26,676	26,676	26,676	52,972	52,972
Difference (supply minus demand)	0	0	0	0	0
Third Year					
Supply Totals	26,676	26,676	26,676	52,972	52,972
Demand Totals	26,676	26,676	26,676	52,972	52,972
Difference (supply minus demand)	0	0	0	0	0
Fourth Year					
Supply Totals	26,676	26,676	26,676	52,972	52,972

Table 3.19-1. Projected Multiple Dry Year Supply and Demand Comparison (Acre-Feet)

Dry Year Scenario	2025	2030	2035	2040	2045
Demand Totals	26,676	26,676	26,676	52,972	52,972
Difference (supply minus demand)	0	0	0	0	0
Fifth Year					
Supply Totals	26,676	26,676	26,676	52,972	52,972
Demand Totals	26,676	26,676	26,676	52,972	52,972
Difference (supply minus demand)	0	0	0	0	0

Source: SBVMWD, 2021.

Table 3.19-1 demonstrates that EVWD anticipates adequate supplies for years 2025 to 2045 under multiple dry year conditions based on current land use projections. However, in the unlikely event of a drought, natural disaster such as earthquake, a regional power outage, the San Bernardino Valley Municipal Water District has prepared a water shortage contingency plan for the region (SBVMWD 2021). This plan provides specific actions that should be taken to ensure critical water needs of the region are met during a period in which water supplies are cut by 50%. Based on the future and existing capacity, and water management measures, it is anticipated there are sufficient water supplies to serve the proposed project. Therefore, impacts associated with water supplies would be less than significant.

c) ***Would the project result in a determination by the wastewater treatment provider which serves or may serve the project that it has adequate capacity to serve the project's projected demand in addition to the provider's existing commitments?***

Less-than-Significant Impact. Highland's sewer system is maintained by the EVWD, which has joint powers with the City of San Bernardino to accept all sewage generated within the EVWD's boundaries. The project would coordinate with the EVWD to meet sewer requirements established by the DHS to ensure the continued sewer services in Highland, which has the potential to be impacted with continued growth within the City. However, water recycling programs, such as the project's CMP Infiltration System, assist in reducing the amount of wastewater conveyed to the sewage system. The sewage from Highland is treated at the San Bernardino WRP, operated by the San Bernardino City Municipal Water District (City of Highland 2006). The WRP treats residential and industrial wastewater generated in the City of San Bernardino, the City of Loma Linda, and EVWD (City of San Bernardino 2005). The WRP processes an average sewage flow of approximately 26 to 27 mgd and has a total sewage capacity of 33 mgd (City of Highland 2006).

SBMWD forecasts adequate capacity to treat wastewater in the upcoming years. As noted above in Section 3.19(a), the proposed project is consistent with the existing zoning designation established by the City. As such, anticipated wastewater generation for an industrial use has already been accounted for in growth projections for the City. Existing infrastructure is adequate to convey wastewater without requiring the expansion of the facilities. In addition, the project applicant would pay applicable connection fees and monthly charges which offset the need for incremental wastewater conveyance and treatment. Therefore, impacts associated with wastewater capacities would be less than significant.

EVWD is currently constructed a new wastewater treatment plan, Sterling Natural Resources Plan, at the intersection of Del Rosa Avenue and 5th Street. Once online, this new facility will provide improved and expanded service to all sewer clients in Highland.

d) Would the project generate solid waste in excess of State or local standards, or in excess of the capacity of local infrastructure, or otherwise impair the attainment of solid waste reduction goals?

Less-than-Significant Impact. Solid waste generated in the City is collected and transported by the City's contract waste hauler, Burrtec Waste Industries (Burrtec) (City of Highland 2018). Solid waste from demolition and construction would be collected and sent to the East Valley Transfer and Recycling Materials Recovery Facility, located at 1150 and 1250 S. Tippecanoe Ave, San Bernardino, California 92408, where it is separated from recyclable materials. Solid waste is then shipped to the Mid-Valley Sanitary Landfill at 2390 N. Adler Avenue in the City of Rialto. The California Department of Resources Recycling and Recovery (CalRecycle) publishes solid waste generation rates based on land use types. According to CalRecycle, manufacturing/warehouse uses generate 1.42 pounds per 100 square feet per day (CalRecycle n.d.). Based on these generation rates, construction of the proposed 90,532-square-foot warehouse building could generate solid waste at a rate of approximately 0.64 tons of solid waste per day.[25]

The Mid-Valley Sanitary Landfill currently has a daily permitted throughput of 7,500 tons a day and a remaining capacity of 61,219,377 CY (CalRecycle 2019). As a result, solid waste generated by the proposed project would represent a nominal percentage of the collective maximum daily throughput permitted for this landfill. Therefore, impacts associated with permitted landfill capacity would be less than significant.

e) Would the project comply with federal, state, and local management and reduction statutes and regulations related to solid waste?

Less-than-Significant Impact. All collection, transportation, and disposal of solid waste generated by the project would comply with all applicable federal, state, and local statutes and regulations. The City of Highland contracts Burrtec for the residential and commercial refuse collection program, which is designed to efficiently collect trash, recyclables, and green waste, and to assist the City in meeting mandated diversion goals established by the State of California. Solid waste is disposed of at the Colton, Mid-Valley, and San Timoteo landfills (City of Highland 2006).

Waste from construction activities, including demolition and construction, would comply with the City's requirement to submit and obtain an approved construction waste diversion plan to help divert construction and demolition waste from landfills, as outlined in Section 8.12.285 of the City's Municipal Code, and also to comply with mandates of CalRecycle. The City diversion requirement, as outlined in Section 16.40.400 of the City's Municipal Code, is 50%, which means that projects that involve construction and demolition (such as the proposed project), are required to divert 50% of the construction and demolition waste tonnage at a project site from landfills.

Burrtec operated five material recovery facilities in Southern California, which sort and process recyclables; the remaining waste is then taken to the nearby Mid-Valley Sanitary Landfill (Burrtec 2022). As of the most recent capacity inspection completed in 2019, the remaining capacity at Mid-Valley Sanitary Landfill currently has a maximum permitted throughput of 7,500 tons per day and a remaining capacity of 61,219,377 CY (CalRecycle 2019).

As required by existing regulations, any hazardous materials collected on the project site during demolition, construction, or operational activities would be transported and disposed of by a permitted and licensed hazardous materials service provider at a facility permitted to accept such hazardous materials. Therefore,

[25] This estimate does not account for diversion of recyclables from the solid waste stream and, thus, should be considered a conservative projection.

impacts associated with permitted landfill capacity and solid waste statutes and regulations would be less than significant.

3.20 Wildfire

	Potentially Significant Impact	Less Than Significant Impact With Mitigation Incorporated	Less Than Significant Impact	No Impact
XX. WILDFIRE – If located in or near state responsibility areas or lands classified as very high fire hazard severity zones, would the project:				
a) Substantially impair an adopted emergency response plan or emergency evacuation plan?	☐	☐	☐	☒
b) Due to slope, prevailing winds, and other factors, exacerbate wildfire risks, and thereby expose project occupants to, pollutant concentrations from a wildfire or the uncontrolled spread of a wildfire?	☐	☐	☐	☒
c) Require the installation or maintenance of associated infrastructure (such as roads, fuel breaks, emergency water sources, power lines or other utilities) that may exacerbate fire risk or that may result in temporary or ongoing impacts to the environment?	☐	☐	☐	☒
d) Expose people or structures to significant risks, including downslope or downstream flooding or landslides, as a result of runoff, post-fire slope instability, or drainage changes?	☐	☐	☐	☒

a) Would the project substantially impair an adopted emergency response plan or emergency evacuation plan?

No Impact. The project is not located within a Fire Hazard Severity Zone or a Very High Hazard Severity Zone according to the Local Responsibility and State Responsibility Area maps by CAL FIRE (CAL FIRE 2007, 2008). In addition, the project site is currently comprised of vacant and developed land and is located in a developed portion of the City. The City's General Plan outlines major evacuation routes within the San Bernardino Valley as I-10, 15, and 215, and State Highway 30, 31, 60, 66, and 71 (City of Highland 2006). In the case of an emergency, Cypress Street and Victoria Avenue may be used as evacuation routes, but these roads are not explicitly outlined as evacuation routes by the City. As discussed in Section 3.9, the project would not significantly affect emergency response or evaluation activities. Therefore, no impacts associated with an emergency response or evacuation plan would occur.

b) ***Due to slope, prevailing winds, and other factors, would the project exacerbate wildfire risks, and thereby expose project occupants to, pollutant concentrations from a wildfire or the uncontrolled spread of a wildfire?***

No Impact. The project site is not located within a Fire Hazard Severity Zone or a Very High Fire Hazard Severity Zone according to the Local Responsibility and State Responsibility Area maps by CAL FIRE (CAL FIRE 2007, 2008). In addition, the project site is currently partially developed and located within a developed portion of the City. Further, the project site is relatively flat and contains only limited amounts of ornamental vegetation associated with existing landscaping and does not contain extensive amounts of vegetation or wildfire fuel. Therefore, it is not anticipated that the project, due to slope, prevailing winds, and other factors, would exacerbate wildfire risks or expose project occupants to pollutant concentrations from a wildfire or the uncontrolled spread of a wildfire. Thus, the project would not expose people or structures to significant risk involving wildfires, exacerbate wildfire risks, or otherwise result in wildfire-related impacts. Therefore, no impacts associated with wildfire would occur.

c) ***Would the project require the installation or maintenance of associated infrastructure (such as roads, fuel breaks, emergency water sources, power lines, or other utilities) that may exacerbate fire risk or that may result in temporary or ongoing impacts to the environment?***

No Impact. The project site is not located within a Fire Hazard Severity Zone or a Very High Fire Hazard Severity Zone according to the Local Responsibility and State Responsibility Area maps by CAL FIRE (CAL FIRE 2007, 2008). In addition, the project site is currently developed and located within a developed portion of the City that is not prone to wind hazard (City of San Bernardino 2005). The project would construct surface parking lots, new internal circulation roadways, and infrastructure for the proposed development. It is not anticipated that installation or maintenance of internal driveways would exacerbate fire risk, as the driveways would be surrounded by developed land. Further, the project site is in a predominately developed area and would connect to existing utilities. The project would not require installation or maintenance of other associated infrastructure such as fuel breaks, power lines, or other utilities that would exacerbate fire risk. As such, the project would not expose people or structures to significant risk involving wildland fires, exacerbate wildfire risks, or otherwise result in wildfire-related impacts. Therefore, no impacts associated with wildfire would occur.

d) ***Would the project expose people or structures to significant risks, including downslope or downstream flooding or landslides, as a result of runoff, post-fire slope instability, or drainage changes?***

No Impact. The project site is not located within a Fire Hazard Severity Zone or a Very High Fire Hazard Severity Zone according to the Local Responsibility and State Responsibility Area maps by CAL FIRE (CAL FIRE 2007, 2008). As discussed in Section 3.7, Geology and Soils, and Section 3.10, Hydrology and Water Quality, the project would not result in significant risks associated with flooding, landslides, runoff, or drainage changes, and the project does not propose the use of fire (such as for a controlled vegetation burn) that would result in post-fire instability. Further, the project site is located within a developed portion of the City that is not susceptible to wildland fires, given its considerable distance from open, natural areas. Thus, the project would not expose people or structures to significant risk involving wildland fires, exacerbate wildfire risks, or otherwise result in wildfire-related impacts. Therefore, no impacts with wildfire would occur.

3.21 Mandatory Findings of Significance

	Potentially Significant Impact	Less Than Significant Impact With Mitigation Incorporated	Less Than Significant Impact	No Impact
XXI. MANDATORY FINDINGS OF SIGNIFICANCE				
a) Does the project have the potential to substantially degrade the quality of the environment, substantially reduce the habitat of a fish or wildlife species, cause a fish or wildlife population to drop below self-sustaining levels, threaten to eliminate a plant or animal community, substantially reduce the number or restrict the range of a rare or endangered plant or animal or eliminate important examples of the major periods of California history or prehistory?	☐	☒	☐	☐
b) Does the project have impacts that are individually limited, but cumulatively considerable? ("Cumulatively considerable" means that the incremental effects of a project are considerable when viewed in connection with the effects of past projects, the effects of other current projects, and the effects of probable future projects.)	☐	☒	☐	☐
c) Does the project have environmental effects which will cause substantial adverse effects on human beings, either directly or indirectly?	☐	☒	☐	☐

a) ***Does the project have the potential to substantially degrade the quality of the environment, substantially reduce the habitat of a fish or wildlife species, cause a fish or wildlife population to drop below self-sustaining levels, threaten to eliminate a plant or animal community, substantially reduce the number or restrict the range of a rare or endangered plant or animal or eliminate important examples of the major periods of California history or prehistory?***

Less Than Significant With Mitigation Incorporated. As described throughout this IS/MND, with the incorporation of the identified mitigation measures, the project would not degrade the quality of the environment; would not substantially reduce the habitats of fish or wildlife species; would not cause a fish or wildlife population to drop below self-sustaining levels; would not threaten to eliminate a plant or animal; and would not eliminate important examples of major periods of California history or prehistory. Therefore, impacts would be less than significant with mitigation incorporated.

b) ***Does the project have impacts that are individually limited, but cumulatively considerable? ("Cumulatively considerable" means that the incremental effects of a project are considerable when viewed in connection with the effects of past projects, the effects of other current projects, and the effects of probable future projects.)***

Less Than Significant With Mitigation Incorporated. When evaluating cumulative impacts, it is important to remain consistent with Section 15064(h) of the CEQA Guidelines, which states that an EIR must be prepared if the cumulative impact may be significant and the project's incremental effect, though individually limited, is cumulatively considerable. "Cumulatively considerable" means that the incremental effects of an individual project are significant when viewed in connection with the effects of past projects, the effects of other current projects, and the effects of probable future projects.

Alternatively, a lead agency may determine that a project's incremental contribution to a cumulative effect is not cumulatively considerable through mitigation measures set forth in an MND or if the project will comply with the requirements in a previously approved plan or mitigation program that provides specific requirements that will avoid or substantially lessen the cumulative problem within the geographic area in which the project is located.

The proposed project would potentially result in project related air quality, biological, cultural and tribal cultural, and geological impacts that could be potentially significant without the incorporation of mitigation. Thus, when coupled with air quality, biological, cultural and tribal cultural, and geological impacts related to the implementation of other related projects throughout the broader project area, the project would potentially result in cumulative-level impacts if these significant impacts are left unmitigated.

However, with the incorporation of mitigation identified herein, the project's impacts to air quality, biological resources, cultural and tribal cultural resources, and geological resources would be reduced to less-than-significant levels and would not considerably contribute to cumulative impacts in the greater project region. In addition, these other related projects would presumably be bound by their applicable lead agency to (1) comply with all applicable federal, state, and local regulatory requirements; and (2) incorporate all feasible mitigation measures, consistent with CEQA, to further ensure that their potentially cumulative impacts would be reduced to less-than-significant levels.

Although cumulative impacts are always possible, the project, by incorporating all mitigation measures outlined herein, would reduce its contribution to any such cumulative impacts to less than cumulatively considerable; therefore, the project would result in individually limited, but not cumulatively considerable, less-than-significant impacts with mitigation incorporated.

c) ***Does the project have environmental effects which will cause substantial adverse effects on human beings, either directly or indirectly?***

Less Than Significant With Mitigation Incorporated. As evaluated throughout this IS/MND, with incorporation of mitigation identified herein, all environmental impacts associated with the project would be reduced to less-than-significant levels. Thus, the project would not directly or indirectly cause substantial adverse effects on human beings. Impacts would be less than significant with mitigation incorporated.

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4.2 List of Preparers

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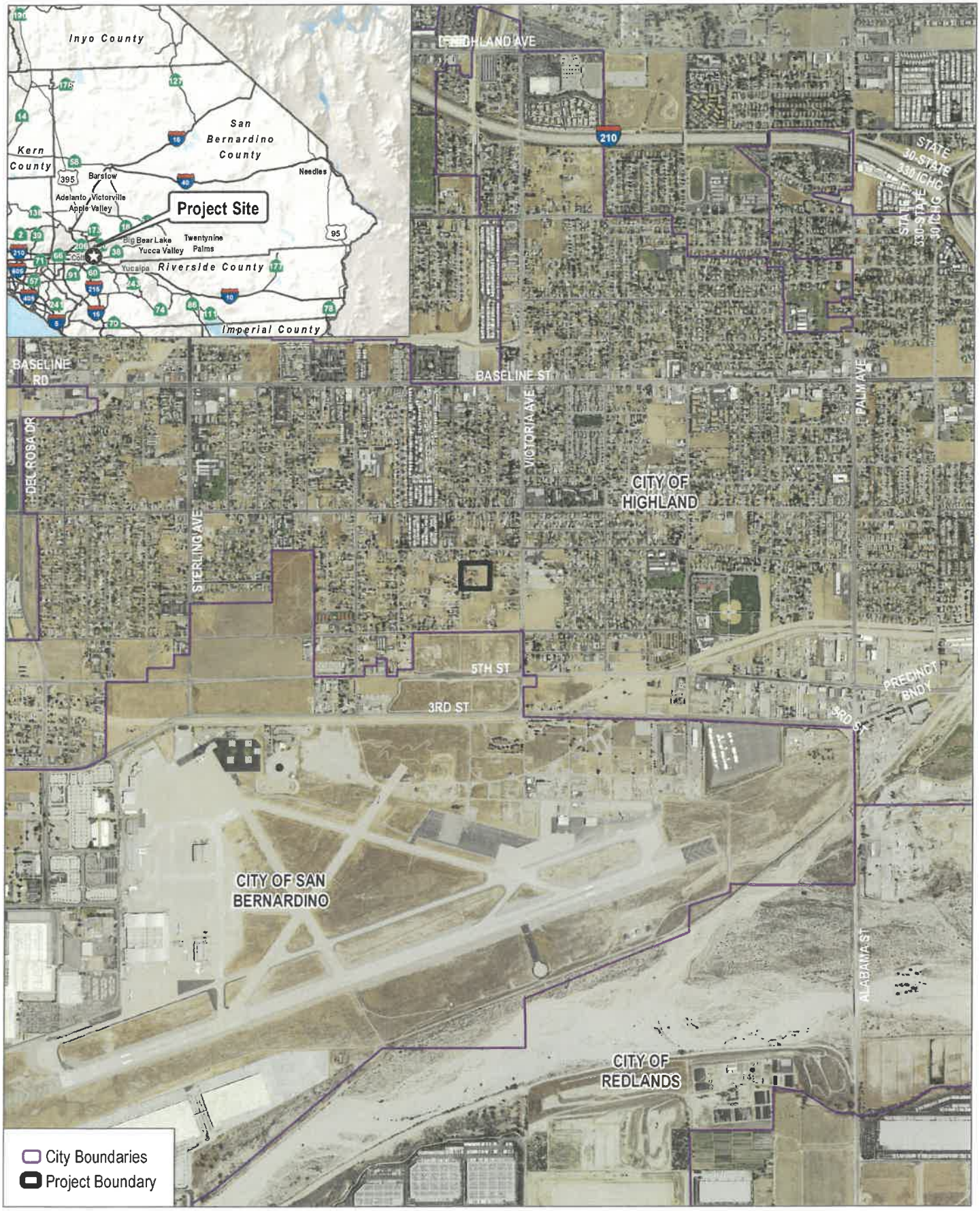
Lily Sam – Biologist
Linda Kry – Archaeologist
Heather McDevitt – Archaeologist
Jennifer De Alba - Archaeologist
Michael Greene – Noise Specialist
Dennis Pascua – Senior Transportation Specialist
Mladen Popovic – Transportation Specialist
Jason Greenstein – GIS Specialist



SOURCE: Bing Maps, USGS Topo Map Series

DUDEK

0 1,000 2,000 Feet

FIGURE 1

Project Location

Grape Street Highland Warehouse Project

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SOURCE: Bing Maps

DUDEK

0 20 40 Meters

0 80 160 Feet

FIGURE 2

Aerial Overview

Grape Street Highland Warehouse Project

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SOURCE: Bing Maps, City of Highland 2021, County of San Bernadino 2021

DUDEK

0 165 330 Feet

FIGURE 3

General Plan Land Use

Grape Street Highland Warehouse Project

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SOURCE: Bing Maps, City of Highland 2021, County of San Bernadino 2021

DUDEK

0 165 330 Feet

FIGURE 4

Zoning

Grape Street Highland Warehouse Project

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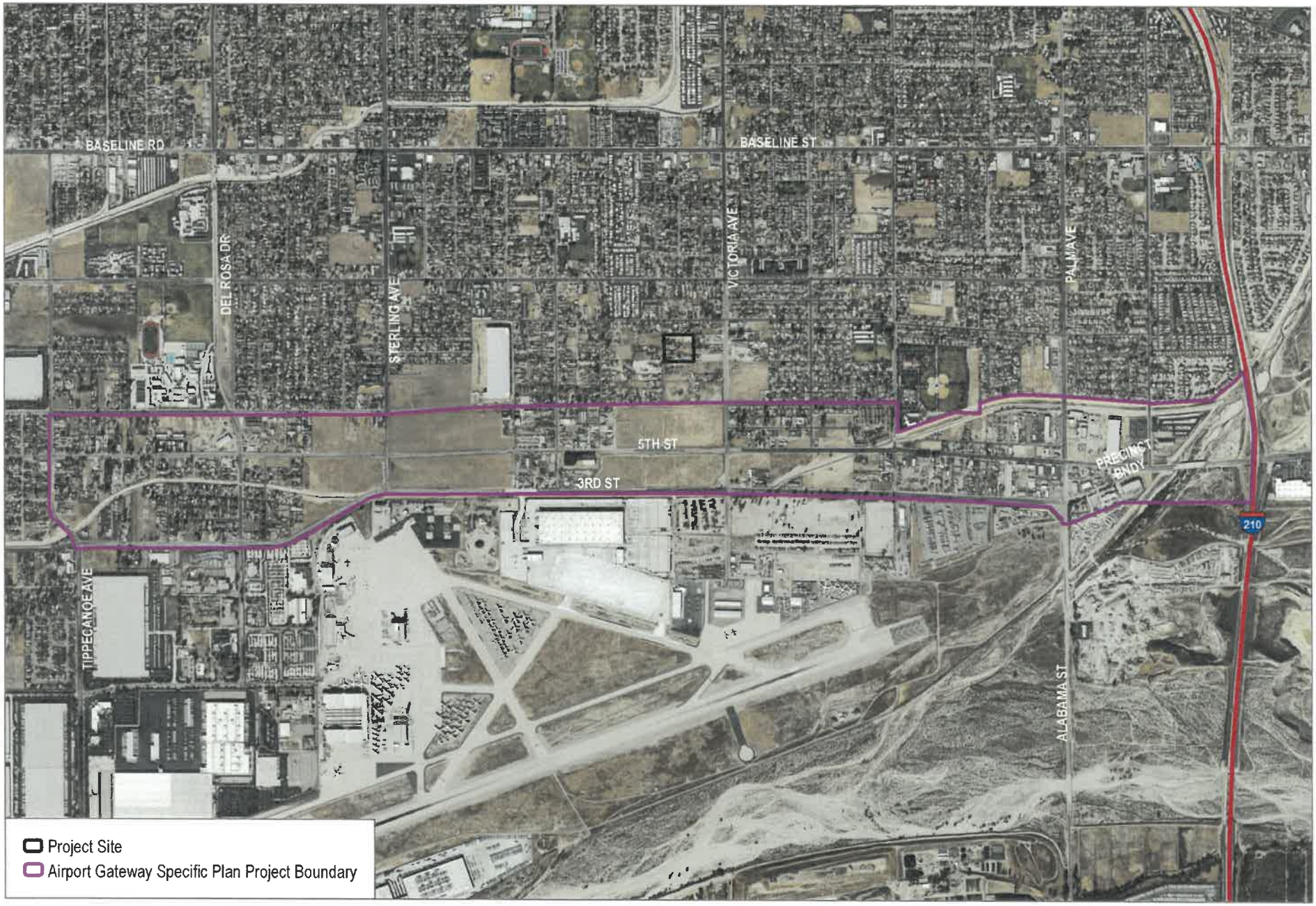

SOURCE: Inland Valley Development Agency 2017, Bing Maps

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0 1,000 2,000 Feet

FIGURE 5

Airport Gateway Specific Plan

Grape Street Highland Warehouse Project

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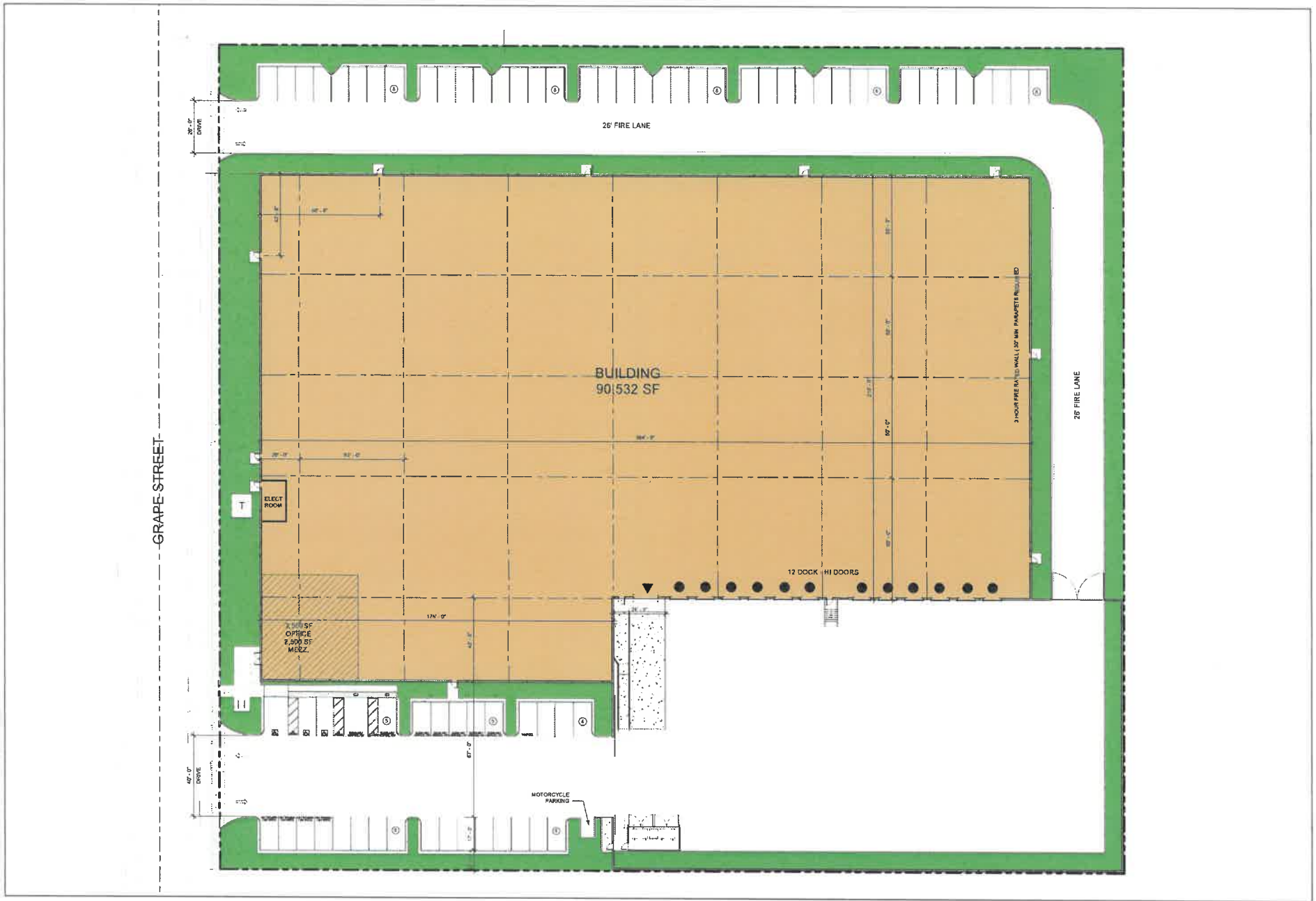

Source: Herdman Architecture & Design 2022

FIGURE 6
Site Plan
Grape Street Highland Warehouse Project

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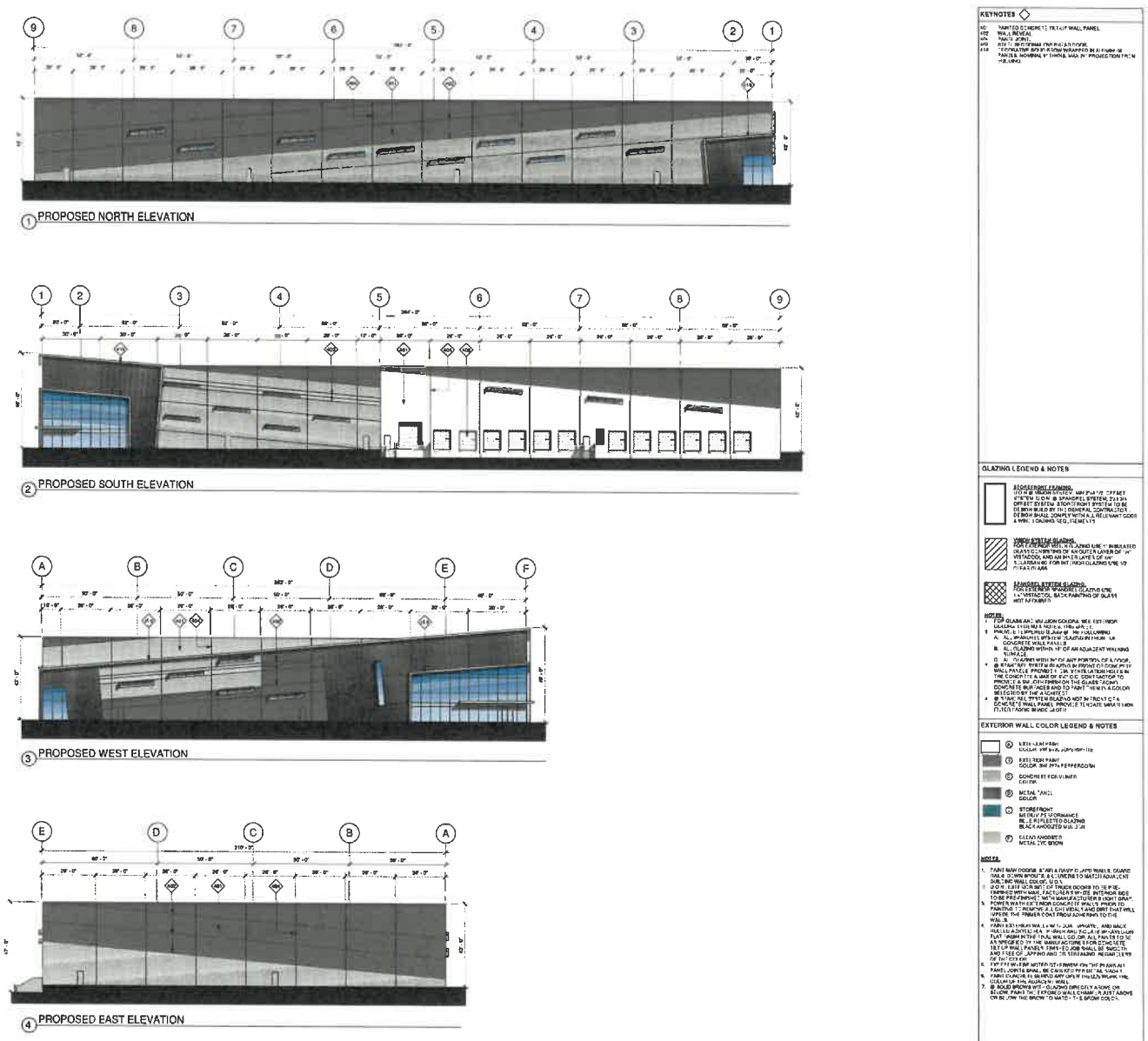

SOURCE: Herdman 2022

FIGURE 7
Conceptual Elevations
Grape Street Warehouse Project

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SOURCE: Herdman 2022

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FIGURE 8

Conceptual Rendering

Grape Street Warehouse Project

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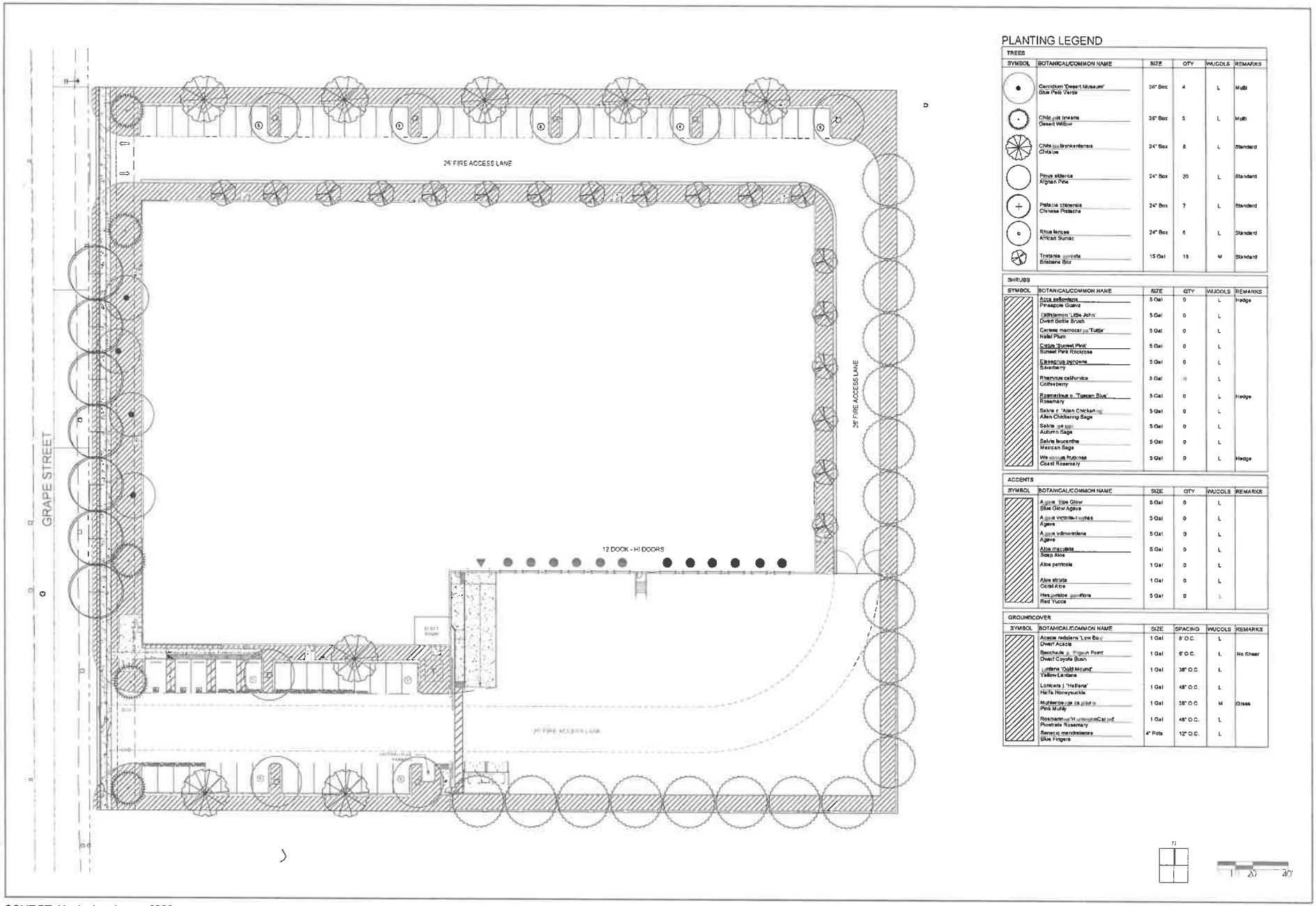

SOURCE: Hunter Landscape 2022

FIGURE 9

Conceptual Landscaping Plan

Grape Street Warehouse Project

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SOURCE: Bing Maps

DUDEK

0 100 200 Feet

FIGURE 10

Vegetation Community

Grape Street Warehouse Project

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SOURCE: Bing Maps 2021

DUDEK 0 100 200 Feet

FIGURE 11

Noise Measurement Locations

Grape Street Warehouse Project