

**INITIAL STUDY/MITIGATED NEGATIVE DECLARATION FOR A
COMMERCIAL CANNABIS CULTIVATION OPERATION, NOT TO
EXCEED 48,989 SQUARE-FEET, LOCATED EASTERLY OF
ISABELLA, ADJACENT AND SOUTHERLY OF WILLOW AVE, AND
NORTHERLY OF FOREST BOULEVARD, TWO PARCELS OF
APPROXIMATELY 2.25-ACRES (APNs: 206-041-07 & 206-041-44)**

I. Purpose and Authority

Project Description:

This Initial Study has been prepared to construct a commercial cannabis cultivation and manufacturing facility in accordance with adopted City Ordinances pertaining to the location and regulation of cannabis cultivation and manufacturing facility. The City of California City zones the subject property as Light Industrial (M-1), which authorizes a commercial cannabis cultivation and manufacturing facility, pursuant to the codified California City Municipal Code as Title 9, Chapter 2, Articles 21 and 29, and Title 5, Chapter 6, of the same. The Project is only subject to a site plan review and building permit, as applicable; however, the use requires the preparation of an Initial Study to review, analyze and evaluate the possible effects resulting upon the surrounding environment. The types of uses, authorized in the M-1 zone include commercial cannabis cultivation, distribution, manufacturing, testing, and ancillary uses necessary thereto. These facilities are subject to all State Law and regulations including the California Code of Regulations, Title 21, Division 42, Bureau of Cannabis Control.

The City of California City allows commercial cannabis cultivation, manufacturing, distribution, and testing facilities, as a permitted use on property zoned M-1 – Light Industrial. Commercial cannabis cultivation and manufacturing shall be permitted, in accordance with the criteria and procedures set forth Title 5, Chapter 6 of the California City Municipal Code and upon application and approval of a regulatory permit pertaining to operation of the facility including the duty to obtain any, and all, required state licenses. The proposed project is in M-1 – Light Industrial. All cannabis related activities are only permitted in the interior of enclosed structures, facilities, and buildings.

The proposed project (“Project”) proposes to construct five (5), one story agricultural (or greenhouse”) buildings for the cultivation of commercial cannabis and cannabis-derived products consistent with both state and local regulations, including compliance with the 2019 California Building Code (CBC). Each of the five (5) new buildings are considered “pre-engineered” which will be assembled on-site on engineered permanent foundations. The property boundary, in which the Project is situation, consist of approximately 2.25-acres in size or about 98,010 SF. The total size of the building area, inclusive of all five buildings, is approximately 48,989 SF. The Project is located within property designated the Assessor’s Parcel Number (APN): 206-041-07 and 206-041-44. More specifically, the Project is zoned Light Manufacturing (M-1); which currently authorizes commercial cannabis cultivation with the approval of a Site Plan Review (SPR). The Project is located northerly of Forest Blvd., southerly of Willow Ave., and easterly of Isabella Blvd., which is generally considered the southernly-central portion of California City, about 1.2-miles, southerly of California City Blvd. The developable Project area will consist of approximately 2.25-acres or 98,010 SF gross and 95,954 SF net (e.g., without the inclusion of right-of-way access areas) with the difference being offered for dedication and maintenance by the City’s Public Works Department, which is generally considered the southerly-central portion of California City, about 1.2-miles, southerly of California City Blvd. The Project is generally surrounded by industrial and manufacturing development (M-1 and M-2 zoning) to the north, south, east, and west. The Project is boarded by vacant of the same zoning in all directions. The Project is identified by Assessor’s Parcel Numbers (APNs): 216-010-18. The Project site is zoned Light Industrial Zoning District (M-1) and carries a General Plan Land Use Designation consistent with Light Industrial/Research Land Use Designation as well as the General Plan Land policy 1.2.

The Project proposes approximately 48,989 square feet (sf) of commercial cannabis cultivation that is contained within a maximum of five (5) pre-fabricated metal industrial buildings. The Project also incorporates one (1), 257 SF office and guard structure.

The Project site plan also incorporates one (1) retention basin that encompass approximately 2,440 sf (approximately 3%) of the Project site. The Project will be developed in one phase, which will include the frontage improvements and the construction of a commercial driveway approach along Willow Ave. The Project proponent shall also provide all-weather site access for emergency/fire/police access within an internal driveway that provides circulation around the entire site plan. The Project also incorporates 31 parking spaces (including those available for persons with disabilities), storage facilities, and associated ancillary cannabis manufacturing facilities.

The Project anticipates the use of Onsite Wastewater Treatment Systems (OWTS), which are regulated by the Regional Water Quality Control Board – Lahontan Region #6. According to Figure 4, of the City’s Local Agency Management Plan (LAMP), the Project is located within Sewer Density Zone 38 (TR 2121). As such, sewer facilities are anticipated in the future; however, the timing of which is undetermined. Therefore, approval of an OWTS is required prior to the issuance of a building permit.

The Project anticipates being served through the use of on-site generators which are CARB certified and will operate continuously until the extension of transmission infrastructure is available to the City by the current electricity provider, Southern California Edison (SCE).

A. Type of Project: Site Specific ; Citywide ; Community ; Policy .

B. Total Project Area: 2.25 acres (98,010 SF)

Residential Acres: 0	Lots: 0	Units: 0	Projected No. of Residents: 0
Commercial Acres: 0	Lots: 0	Sq. Ft. of Bldg. Area: 0	Est. No. of Employees: 0
Industrial Acres: 2.25	Lots:	Sq. Ft. of Bldg. Area: 48,989 SF	Est. No. of Employees (Reg): 12-15
			Est. No. of Employees (Harvest): 25-50

Other: N/A

C. Assessor’s Parcel No(s): 206-041-07, & -44

D. Street References: Easterly, and adjacent to Willow Ave. and southerly of Willow Ave.

Brief description of the existing environmental setting of the Project site and its surroundings:

The Project is approximately 2.25 gross acres and is located within a planned industrial and manufacturing area of the City. The physical development of the project site, and the adjacent public Rights-of-Way (R/W), will be improved in an effort to eliminate geometric, sharp or dangerous turning movement and roadway safety issues of concern; which include, but are not limited to unsafe or dangerous road conditions, sub-standard circulation patterns and traffic geometrics, frequent dust pollution; and other similar considerations through the implementation standard development-related Conditions of Approval (COAs) and compliance with the California City Municipal Code (CCMC). Based upon the infill nature of the property, combined with a relatively low development footprint, the Project does not have the potential to create an adverse environmental impacts related to city code permitted noise levels, the existing air quality levels, and/or the quality of the City’s water and sewer system.

The following reports and/or studies are applicable to development of the project site and hereby incorporated by reference:

- *City of California City Final General Plan 2009-2028*, City of California City, originally approved October 6, 2009 (City of California City 2009)
- *City of California City Draft Environmental Impact Report on the Redevelopment Plan for the California City Redevelopment Plan* (1998)
- *City of California City Final General Plan 2009-2028 Initial Study and Mitigated Negative Declaration* (SCH#1992062069)
- *City of California City Final Environmental Impact Report on the Redevelopment Plan from the California City Redevelopment Plan* (SCH#8715918)
- *Kern County Airport Land Use Commission (ALUC)*

This document has been prepared in accordance with the California Environmental Quality Act (CEQA), Public Resources Code Section 23000 et. seq. The City of California City will serve as the lead agency pursuant to CEQA.

II. APPLICABLE GENERAL PLAN AND ZONING REGULATIONS

A. General Plan Elements/Policies:

1. **Land Use:** M-1 (Light Industrial Zoning District)
2. **Circulation:** Willow Ave. will provide the primary point of ingress and egress as Willow Ave. is the adjacent roadway to provide publicly dedicated serves Project. In order to facilitate circulation, throughout the project site, and accommodate secondary access, required per the City's codified fire code, the City will require the dedication and improvement of a commercial driveway approach which will extend from Willow Ave. from the east. This driveway will be a 26-foot private access easement that traverses from east to the west from Willow Ave.
3. **Multipurpose Open Space:** The Project is located within a planned industrial area of California City. The project will not create a need for additional open space and/or active park recreational facilities. Furthermore, the Project does not preclude or remove any active parkland and/or passive open space, trails, bike paths, or other similar facilities. The project is located adjacent to a designated conversation area and will need to address possible interface guidelines set forth by the California Department of Fish & Wildlife (CDFW) and the USFWS.
4. **Safety:** The Project is not located upon, or within, an area of hazardous materials as detailed within the applicable state and federal resource maps. The Project is not located within the Sphere of Influence (SOI) or Airport Influence Area (AIA) of the California City Municipal Airport Comprehensive Land Use Plan (CLUP). As such, the Project will not impact airport operations in any manner. The Project will not create any dangerous or hazardous circulation geometrics which would cause a concern for the motoring public.
5. **Noise:** The Project is located within a planned industrial area of the City where the majority of ambient noise generation is caused by the Average Daily Trips (ADT) associated with vehicle traffic trips occurring along Willow Ave. The Project may create an increase in the levels of ambient noise given the adjacency to an existing area of land conservation and will need to address possible interface guidelines set forth by the California Department of Fish & Wildlife (CDFW) and the USFWS.

6. **Housing:** The Project is located on vacant land, within the M-1 (Light Industrial Zoning District) and does not propose to remove or displace any housing, of any type on, or adjacent to the Project boundaries, as no dwelling units exist either on the project site. The Project site is surrounded by vacant land in all directions, with planned industrial areas (M-1 zoning district) located to the north, south east, and west. The Project is subject to City ordinance which requires all cultivation buildings shall be located at-least 200-feet from this existing residential property; however, no residential zoning currently exists or is anticipated to be changed, with the surrounding land use environment, prior to the Project approval. The nearest residential zoning (R-1) is located approximately 1,700 linear feet to the east of the Project site. The Project will comply with the City's distance requirements.
7. **Air Quality:** The Project will not substantially increase the baseline air quality emissions resulting from either the construction or operations of the cannabis cultivation and manufacturing facility. The Project is not anticipated to produce pollutants of concern in excess of SCAQMD thresholds for elements such as NO_x; SO_x; or O³. The Project will require the use of generators (powered by either gas or diesel fuel) during construction and/or initial operations. Generators shall be certified by the California Air Resources Board (CARB) and obtain a permit from the East Kern Air Pollution Control District (EKAPCD), as applicable. Southern California Edison (SCE) will provide the project site with both temporary and permanent power service.
8. **Healthy Communities:** The Project does not contribute and will not impede or impact aspects of the City's Healthy Community strategies. The City's Health Communities goals include, but are not limited to, decreasing the total Vehicle Miles Traveled (VMT); which in turn reduces emissions (having a positive benefit upon public health); increases in transit ridership; and expansion of healthy grocery items, including Certified Farmer's Markets and other similar opportunities.

B. General Plan Area Plan(s): M-1 (Light Industrial Zoning District)

C. Land Use Designation(s): Land Use Policy 1.2

D. Overlay(s), if any: N/A

E. Policy Area(s), if any: N/A

F. Adjacent and Surrounding:

1. **Land Use Designation(s):** Land Use Policy 1.2

2. **Overlay(s), if any:** N/A

3. **Policy Area(s), if any:** N/A

G. Adopted Specific Plan Information

1. **Name and Number of Specific Plan, if any:** N/A

2. **Specific Plan Planning Area, and Policies, if any:** N/A

H. Existing Zoning: M-1 (Light Industrial Zoning District)

I. **Proposed Zoning, if any:** N/A

J. **Adjacent and Surrounding Zoning:** M-1 (Light Industrial Zoning District) located to the north, south, east, and west.

III. ENVIRONMENTAL FACTORS POTENTIALLY AFFECTED

The environmental factors checked below (x) would be potentially affected by this Project, involving at least one impact that is a “Potentially Significant Impact” or “Less than Significant with Mitigation Incorporated” as indicated by the checklist on the following pages.

- | | | |
|--|--|---|
| <input type="checkbox"/> Aesthetics | <input type="checkbox"/> Hazards & Hazardous Materials | <input checked="" type="checkbox"/> Recreation |
| <input type="checkbox"/> Agriculture & Forest Resources | <input type="checkbox"/> Hydrology / Water Quality | <input type="checkbox"/> Transportation / Traffic |
| <input checked="" type="checkbox"/> Air Quality | <input type="checkbox"/> Land Use / Planning | <input type="checkbox"/> Utilities / Service Systems |
| <input checked="" type="checkbox"/> Biological Resources | <input type="checkbox"/> Mineral Resources | <input type="checkbox"/> Other: |
| <input type="checkbox"/> Cultural Resources | <input checked="" type="checkbox"/> Noise | <input type="checkbox"/> Other: |
| <input type="checkbox"/> Geology / Soils | <input type="checkbox"/> Population / Housing | <input type="checkbox"/> Mandatory Findings of Significance |
| <input type="checkbox"/> Greenhouse Gas Emissions | <input type="checkbox"/> Public Services | |

IV. DETERMINATION

On the basis of this initial evaluation:

A PREVIOUS ENVIRONMENTAL IMPACT REPORT/NEGATIVE DECLARATION WAS NOT PREPARED
<input type="checkbox"/> I find that the proposed Project COULD NOT have a significant effect on the environment, and a NEGATIVE DECLARATION will be prepared.
<input checked="" type="checkbox"/> 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, described in this document, have been made or agreed to by the Project proponent. A MITIGATED NEGATIVE DECLARATION will be prepared.
<input type="checkbox"/> I find that the proposed Project MAY have a significant effect on the environment, and an ENVIRONMENTAL IMPACT REPORT is required.

A PREVIOUS ENVIRONMENTAL IMPACT REPORT/NEGATIVE DECLARATION WAS PREPARED
<input type="checkbox"/> I find that although the proposed project could have a significant effect on the environment, NO NEW ENVIRONMENTAL DOCUMENTATION IS REQUIRED because (a) all potentially significant effects of the proposed project have been adequately analyzed in an earlier EIR or Negative Declaration pursuant to applicable legal standards, (b) all potentially significant effects of the proposed project have been avoided or mitigated pursuant to that earlier EIR or Negative Declaration, (c) the proposed project will not result in any new significant environmental effects not identified in the earlier EIR or Negative Declaration, (d) the proposed project will not substantially increase the severity of the environmental effects identified in the earlier EIR or Negative Declaration, (e) no considerably different mitigation measures have been identified and (f) no mitigation measures found infeasible have become feasible.
<input type="checkbox"/> I find that although all potentially significant effects have been adequately analyzed in an earlier EIR or Negative Declaration pursuant to applicable legal standards, some changes or additions are necessary but none of the conditions described in California Code of Regulations, Section 15212 exist. An ADDENDUM to a previously certified EIR or Negative Declaration has been prepared and will be considered by the approving body or bodies.

I find that at least one of the conditions described in California Code of Regulations, Section 15212 exist, but I further find that only minor additions or changes are necessary to make the previous EIR adequately apply to the Project in the changed situation; therefore, a **SUPPLEMENT TO THE ENVIRONMENTAL IMPACT REPORT** is required that need only contain the information necessary to make the previous EIR adequate for the Project as revised.

I find that at least one of the following conditions described in California Code of Regulations, Section 15212, exist and a **SUBSEQUENT ENVIRONMENTAL IMPACT REPORT** is required: (1) Substantial changes are proposed in the Project which will require major revisions of the previous EIR or negative declaration due to the involvement of new significant environmental effects or a substantial increase in the severity of previously identified significant effects; (2) Substantial changes have occurred with respect to the circumstances under which the Project is undertaken which will require major revisions of the previous EIR or negative declaration due to the involvement of new significant environmental effects or a substantial increase in the severity of previously identified significant effects; or (3) New information of substantial importance, which was not known and could not have been known with the exercise of reasonable diligence at the time the previous EIR was certified as complete or the negative declaration was adopted, shows any the following:(A) The Project will have one or more significant effects not discussed in the previous EIR or negative declaration;(B) Significant effects previously examined will be substantially more severe than shown in the previous EIR or negative declaration;(C) Mitigation measures or alternatives previously found not to be feasible would in fact be feasible, and would substantially reduce one or more significant effects of the Project, but the Project proponents decline to adopt the mitigation measures or alternatives; or,(D) Mitigation measures or alternatives which are considerably different from those analyzed in the previous EIR or negative declaration would substantially reduce one or more significant effects of the Project on the environment, but the Project proponents decline to adopt the mitigation measures or alternatives.

Signature

Shawn Monk

Printed Name

May 10, 2021

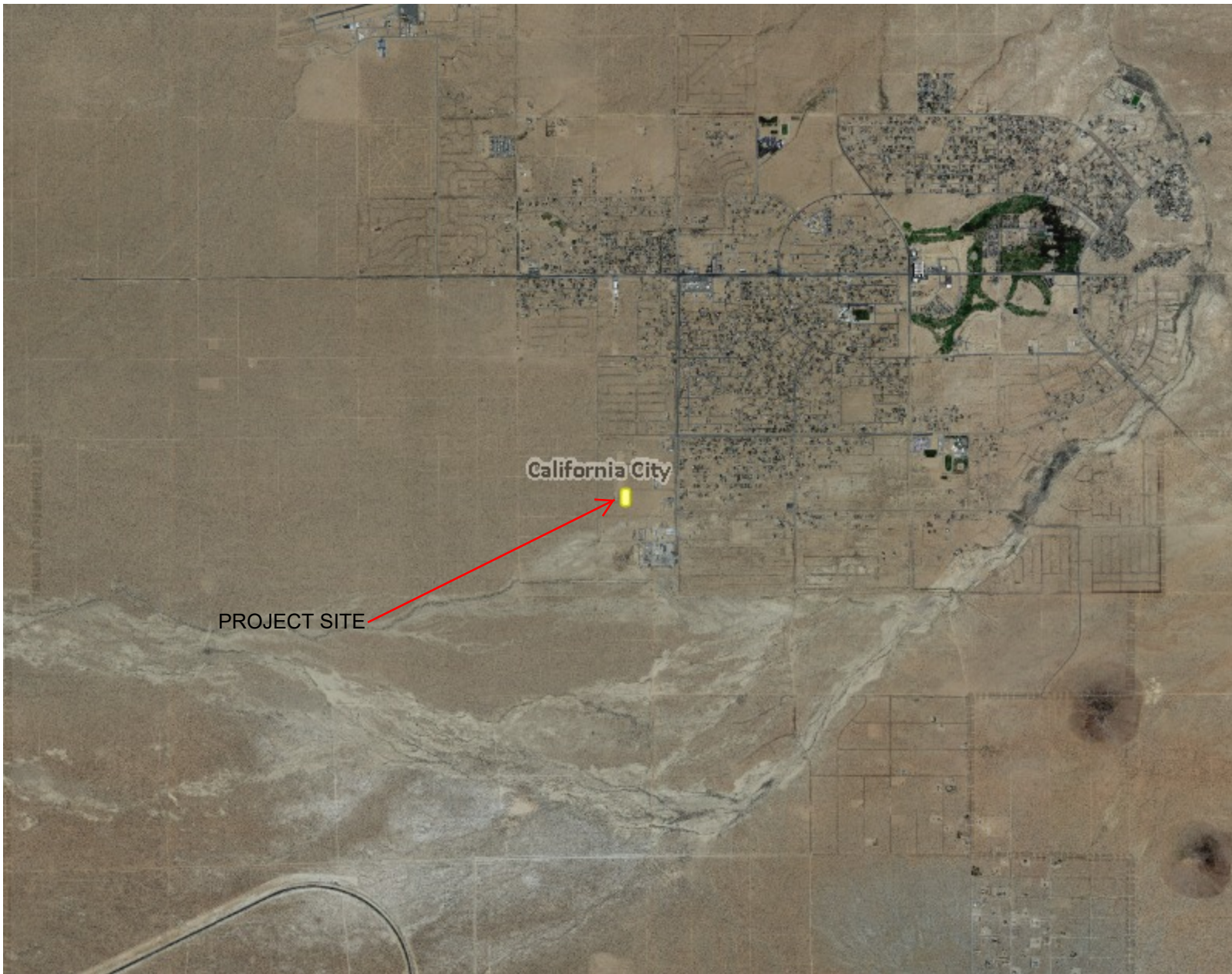
Date

For Shawn Monk, City Planner

Figure 1-1: Regional Vicinity Map



Vicinity Map (SPR 20-32 - Canterbury)



Legend

Roads>100k-250k

- Freeway
- Highway
- Major
- Unpaved

County

City Incorporated 100k

- CITIES
- CITY OF BAKERSFIELD

County Facilities

1: 72,224



2.3 0 1.14 2.3 Miles

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Notes

CANTERBURY MANAGEMENT L.L.C
MARIJUANA CULTIVATION GREENHOUSE FACILITIES

APN:206-041-44 AND 206-041-07-California City, California 93505-C.U.P. XX-XX L.D.P.XX-XX

PROJECT DESCRIPTION

NEW CONSTRUCTION OF FIVE PRE ENGINEERED (ONE STORY EACH) LT. METAL FRAME GREEN HOUSES ALL UTILIZED FOR CANNABIS CULTIVATION. FIVE GREEN HOUSES PLACED ACROSS 2 PARCELS. TOTAL GROSS BUILDING AREA IS 49,066 SQUARE FEET.

LEGAL DESCRIPTION

APN: 206-041-44(PARCEL 1) AND 206-041-07 (PARCEL 2)
 TENTATIVE PARCEL MAP:XXXXXX
 ADDRESSES:XXXX-XXXX
 NORTHWEST INTERSECTION CORNER OF FOREST BLVD., WILLOW AVE. AND NUERALIA ROAD
 C.U.P. XX-XX
 L.D.P. XX-XX
 BASE AND MERIDIAN (PARCEL 1) SE 1/4, SW 1/4, NE 1/4, OF SECTION 34
 RESERVATION OF RECORD 2.24 A.C.(PARCEL 1 AND 2)
 ZONED AS M-1 MANUFACTURING INDUSTRIAL(LIGHT)
 CALIFORNIA CITY, CALIFORNIA
 COUNTY OF KERN
 STATE OF CALIFORNIA
 U.S.A.

PROJECT DATA

ADDRESSES:XXXX-XXXX, XXXXXXXX XXXXXXXX
 MERIDIAN BASELINE (PARCEL 1) SE 1/4, SW 1/4, NE 1/4 OF SECTION 34
 MERIDIAN BASELINE (PARCEL 2) SE 1/4, SW 1/4, NE 1/4 OF SECTION 34
 ZONING: MI (LIGHT MANUFACTURING)
 (E) SITE AREA (GROSS)(COMBINED PARCEL) 97,983 SQ. FT. (2.25 AC.)
 NET SITE AREA (AFTER DEDICATION) L.L.A. 95,954 SQ. FT. (2.20 AC.)
 APN:206-041-44 58,794 SQ.FT. (1.35 AC.) (BLDG. A,B,C) PARCEL 1
 APN:206-041-07 39,189 SQ. FT. (0.90 AC.) (BLDG.D,E) PARCEL 2

BUILDING CODES: 2019 CBC,CEC,CMC,CPC,CFC,CALIFORNIA ENERGY CODE,CGSBC
 STREET DEDICATION 2,029 SQ. FT. (0.047 ACRES)

PARCEL 1 (BUILDING A,B,C)
 TOTAL BUILDING AREA: 30,140 SQ. FT. (GROSS)
 OFF-OF MAIN DRIVEWAY
 LOADING/UNLOADING
 BIKE PARKING
 PROPOSED BUILDING AREAS:
 BUILDING A 11,770 SQ. FT. GROSS
 BUILDING B 11,770 SQ. FT. GROSS
 BUILDING C 6,600 SQ. FT. GROSS

BUILDING HEIGHT: 14'-0" (EAVE) 24'-0" (RIDGE) (1 STORY)
 PROPOSED OCCUPANCY: B (OFFICE) 257 SQ. FT. (1 FLOOR)
 F-1 CULTIVATION ONLY

PARCEL 2 (BUILDING 'B')
 TOTAL BUILDING AREA: 16,800 SQ. FT. (GROSS)
 OFF-OF MAIN DRIVEWAY
 LOADING/UNLOADING
 BIKE PARKING
 PROPOSED BUILDING AREAS:
 BUILDING D 10,200 SQ. FT.
 BUILDING E 6,600 SQ. FT.

BUILDING HEIGHT: 14'-0" (EAVE) 24'-0" (RIDGE) (1 STORY)
 PROPOSED OCCUPANCY: B (OFFICE) 257 SQ. FT.(1 FLOOR)
 F-1 CULTIVATION ONLY

FIRE SPRINKLERS REQUIREMENT:
 FOR ANY BUILDING OVER 10 K SQ. FT INCLUDE BUILDING A, B & D NEED TO INSTALL FIRE SPRINKLER SYSTEM

(L.L.A.) LOT LINE ADJUSTMENT COVERAGE SUMMARY:

BLDG. A	11,770 SQ. FT. (12.3%)
BLDG. B	11,770 SQ. FT. (12.3%)
BLDG. C	6,600 SQ. FT. (6.9%)
BLDG. D	10,200 SQ. FT. (10.6%)
BLDG. E	6,600 SQ. FT. (6.9%)
LANDSCAPE	15,651 SQ. FT. (16.3%)
DRIVEWAY	31,201 SQ. FT. (32.5%)
FLATWORK	3,365 SQ. FT. (03.5%)

DEDICATION 813 SQ. FT. (.01%) WILLOW AVE. ENTRANCE
 1,216 SQ. FT. (.02%) FOREST BLVD. ENTRANCE

PARKING COVERAGE ANALYSIS

PARKING COVERAGE PARCEL 1-(21 PARKING SPACES)

OFFICE:	AREA	FACTOR	REQUIRED	TOTAL (QTY.)
CULTIVATION: (>20,000)	257 SQ. FT. (1/250 SQ. FT.)	(2000 SQ. FT.)	1 SPACE	1 SPACE
TOTAL:	27,335 SQ. FT. (2000 SQ. FT.)		13 SPACES	13 SPACES
WHICH INCLUDES 1 HANDICAP UNLOADING AND PARKING SPACES				

PARCEL 2-(8 PARKING SPACES)

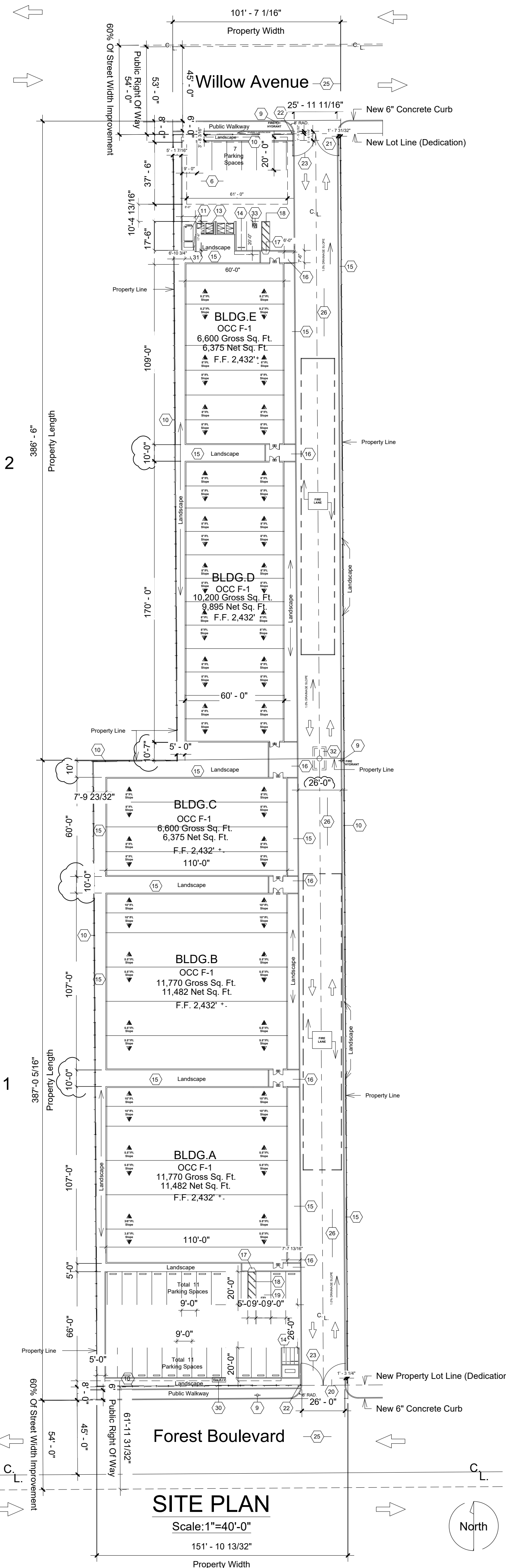
OFFICE:	AREA	FACTOR	REQUIRED	TOTAL (QTY.)
CULTIVATION: (>20,000)	257 SQ. FT. (1/300 SQ. FT.)	(2000 SQ. FT.)	1 SPACE	1 SPACES
TOTAL:	15,651 SQ. FT. (2000 SQ. FT.)		7 SPACES	7 SPACES
WHICH INCLUDES 1 HANDICAP UNLOADING AND PARKING SPACES				

LEGEND

- 0.9% SLOPE DRAINAGE FLOW IN DRIVEWAY
- ▭ 4'-0" LONG X 10" WIDE PRECAST CONC. WHEELSTOPS
- 6" DIA. X 4'-6" TALL STL. BOLLARDS
- ▭ FIRE LANE
- ▭ SECURITY GATE ENTRANCE
- CENTER LINE
- ⊕ FIRE HYDRANT

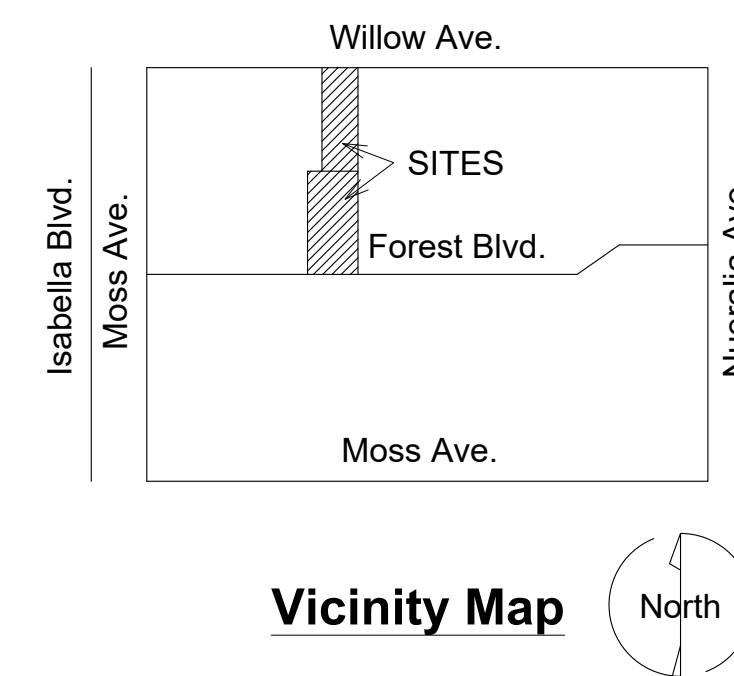
PARCEL 2

PARCEL 1



REFERENCE NOTES

- 1 (E) CENTER LINE OF RIGHT OF WAY
- 2 (E) PROPERTY LINE (ORIGINAL)
- 3 PROPOSED LOT LINE
- 4 PROPOSED PROPERTY LOT LINE AFTER DEDICATION
- 5 L.L.A. PROPERTY LINE
- 6 STORM WATER RETENTION BASIN/POOL
- 7 FIRE LANE
- 8 STREET DEDICATION AREA (2,029 SQ. FT.)
- 9 FIRE HYDRANT
- 10 7'-0" SECURITY FENCE WRAZOR BARBED WIRE PROVIDE 12' OUTWARD WIRE ARM AT TOP.
- 11 ELECTRIC GENERATOR 1200 AMPS
- 12 LOADING/UNLOADING (12'-0" X 20'-0")
- 13 CANNABIS TRASH ENCLOSURE
- 14 BIKE PARKING
- 15 LANDSCAPE AREA
- 16 CONCRETE PAVED SIDEWALK
- 17 60" WIDE ADA TRUNCATED RAMP
- 18 60" WIDE ADA UNLOADING ZONE
- 19 ADA PARKING
- 20 PRIMARY ENTRANCE
- 21 MEANS OF EGRESS
- 22 FIRE DEPARTMENT KEY BOX (KNOX BOX)
- 23 SECURITY GATE
- 24 TYPICAL 9'-0" WIDE X 20'-0" DEEP VEHICLE PARKING SPACE
- 25 NEW PUBLIC HIGH TRAFFIC STREET (SEE CIVIL PLANS)
- 26 34" GRAVEL DRIVEWAYS (SEE CIVIL PLANS)
- 27 60% NEW PUBLIC STREET DEVELOPMENT (BY DEVELOPER)
- 28 PUBLIC WALKWAY (DEDICATION)
- 29 6" CONCRETE CURB
- 30 P.I.V.(FIRE DEPT.)
- 31 6" DIA. 4'-6" TALL BOLLARDS
- 32 3,000 GAL. SEPTIC TANK
- 33 36" PAINTED HANDICAP PARKING SYMBOL



SITE PLAN

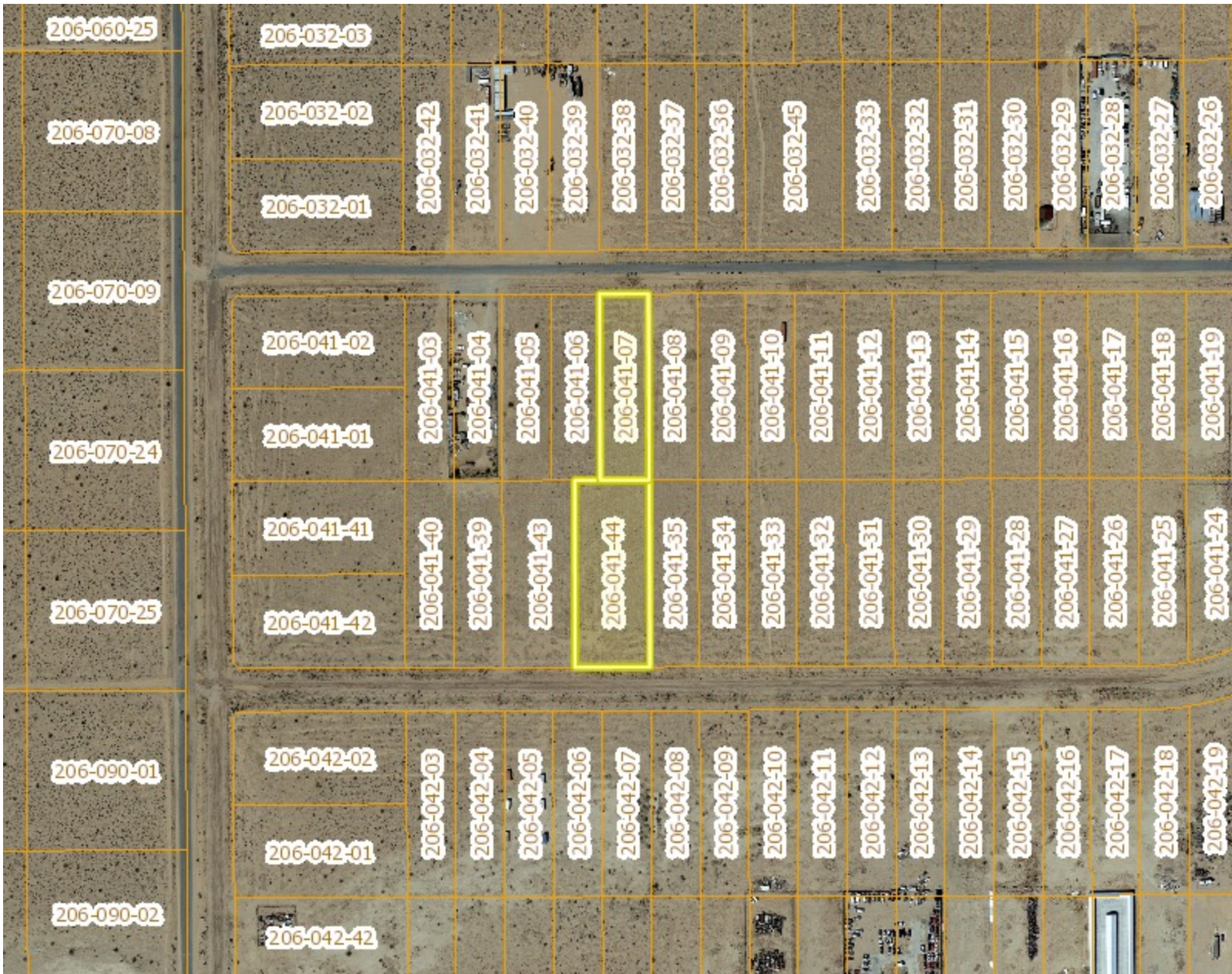
Scale: 1"=40'-0"

151' - 10 13/32"


<p>Site Plan</p>	<p>CANTERBURY MANAGEMENT L.L.C.</p>
<p>CANTERBURY CULTIVATION FACILITIES CALIFORNIA CITY, CALIFORNIA 93505</p>	<p>ZNYI Engineering Inc. Zhang Yuan Ni P.E. 8232 Garvey Ave. #203 Rosemead California 91770</p>
<p>Project Number:CCC-01 Date:7.16.2020 Drawn By:NI Checked By</p>	
<p>A100.10</p>	
<p>Scale:As Noted</p>	

The Drawings Specifications, Ideas, Designs & Arrangements Represented, Thereby, Are & Shall Remain The Exclusive Property Of ZNYI Engineering Inc. Protected By The Current Architectural Works Copyright Protection Act. And Other Applicable Laws And No Part Thereof Shall Be Copied, Disclosed To Others Or Used In Connection With Any Work Or Project For Which They Have Been Prepared & Developed Without The Written Consent Of ZNYI Engineering Inc. Visual Contact Shall Constitute Conclusive Evidence Of These Restrictions. For City Of California Building And Safety Reviewal Only.

Aerial Mapping (APN: 206-041-07; -44)



Legend

 Parcels Land

1:4,514



0.1 0 0.07 0.1 Miles

WGS_1984_Web_Mercator_Auxiliary_Sphere
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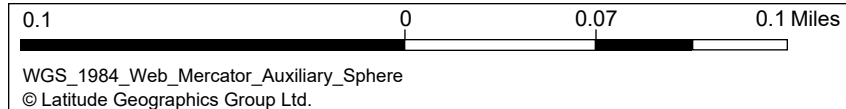
Notes



206-060-25	206-032-03																								
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	206-032-01																								
206-070-09	206-041-02	206-041-03	206-041-04	206-041-05	206-041-06	206-041-07	206-041-08	206-041-09	206-041-10	206-041-11	206-041-12	206-041-13	206-041-14	206-041-15	206-041-16	206-041-17	206-041-18	206-041-19							
206-070-24	206-041-01																								
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	206-042-01																								
206-090-02	206-042-42																								

Legend
 Parcels Land

1:4,514


















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Notes



Legend

Community Services Districts

-  ARVIN CSD
-  BEAR VALLEY CSD
-  BORON CSD
-  CALIFORNIA CITY CSD
-  DESERT LAKE CSD
-  EAST NILES CSD
-  GOLDEN HILLS CSD
-  INYOKERN CSD
-  KERN RIVER VALLEY CSD
-  LAKE ISABELLA CSD
-  MOUNTAIN MEADOWS CSD
-  ROSAMOND CSD
-  SAND CANYON CSD
-  STALLION SPRINGS CSD
-  Parcels Land

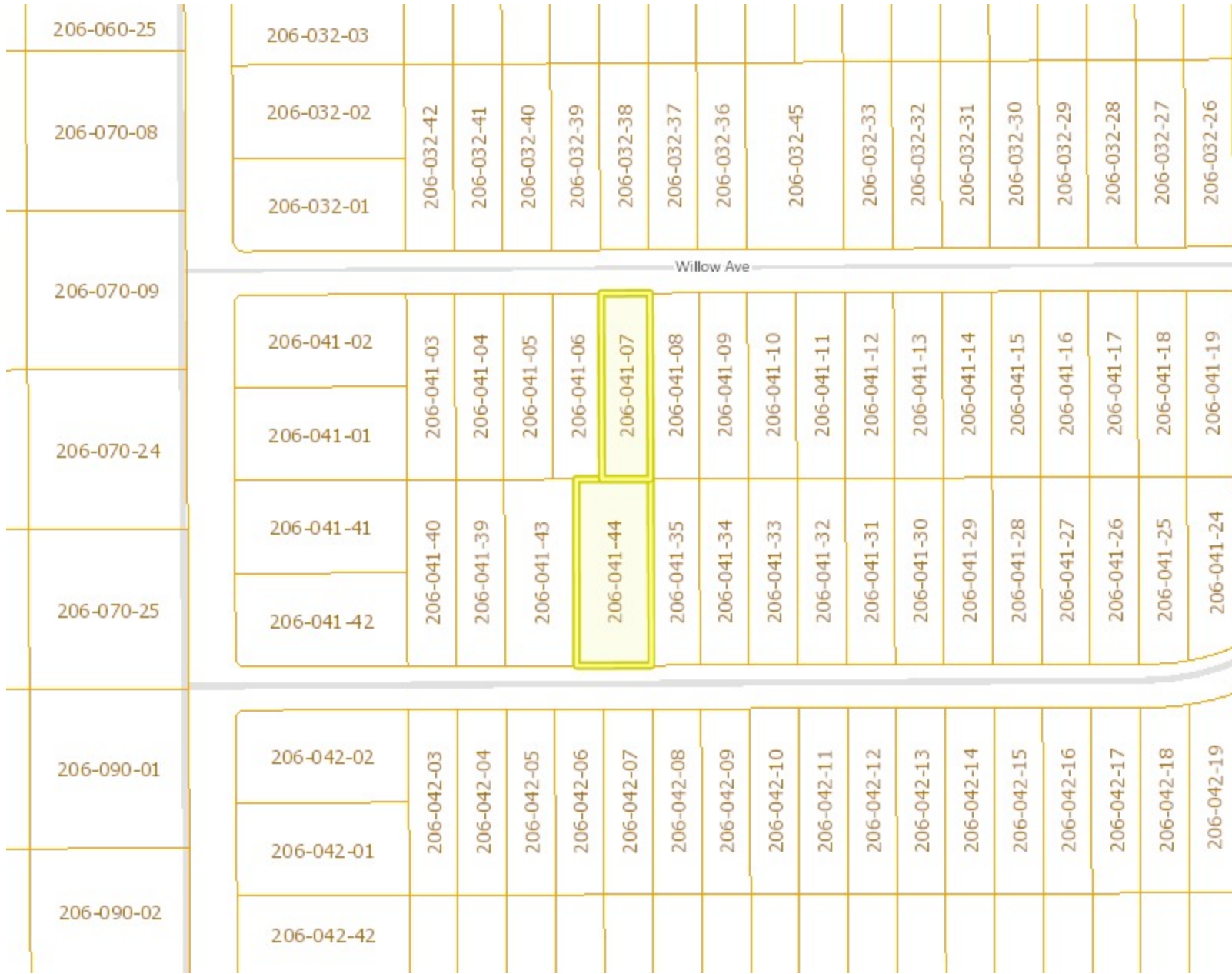
1:4,514



0.1 0 0.07 0.1 Miles

Notes

Circulation Element Mapping (APN: 206-041-07; -44)



Legend

- Parcels Land
- County Maintained Roads
- Roads 3k-5k**
 - Freeway
 - Highway
 - Major
 - Minor
 - Local
 - Ramp
 - Unpaved
- Road Restrictions**
 - DIAG PARK
 - HANDICAP
 - NO PARKING
 - NO STOPPING
- Traffic Signals**
 - DARREN TRUE
 - FLASHER
 - RJ CASTILLO
- + Railroad

1: 4,514

0.1 0 0.07 0.1 Miles

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Notes



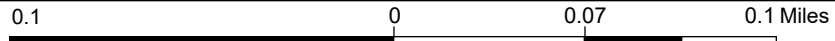
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	206-032-01																		
206-070-09	206-041-02	206-041-03	206-041-04	206-041-05	206-041-06	206-041-07	206-041-08	206-041-09	206-041-10	206-041-11	206-041-12	206-041-13	206-041-14	206-041-15	206-041-16	206-041-17	206-041-18	206-041-19	
206-070-24	206-041-01																		
	206-041-41	206-041-40	206-041-39	206-041-43	206-041-44	206-041-35	206-041-34	206-041-33	206-041-32	206-041-31	206-041-30	206-041-29	206-041-28	206-041-27	206-041-26	206-041-25	206-041-24		
206-070-25	206-041-42																		
	206-090-01	206-042-02	206-042-03	206-042-04	206-042-05	206-042-06	206-042-07	206-042-08	206-042-09	206-042-10	206-042-11	206-042-12	206-042-13	206-042-14	206-042-15	206-042-16	206-042-17	206-042-18	206-042-19
206-090-02	206-042-01																		
	206-042-42																		

California City

Legend

-  Parcels Land
-  City Spheres of Influence
-  City Incorporated

1:4,514



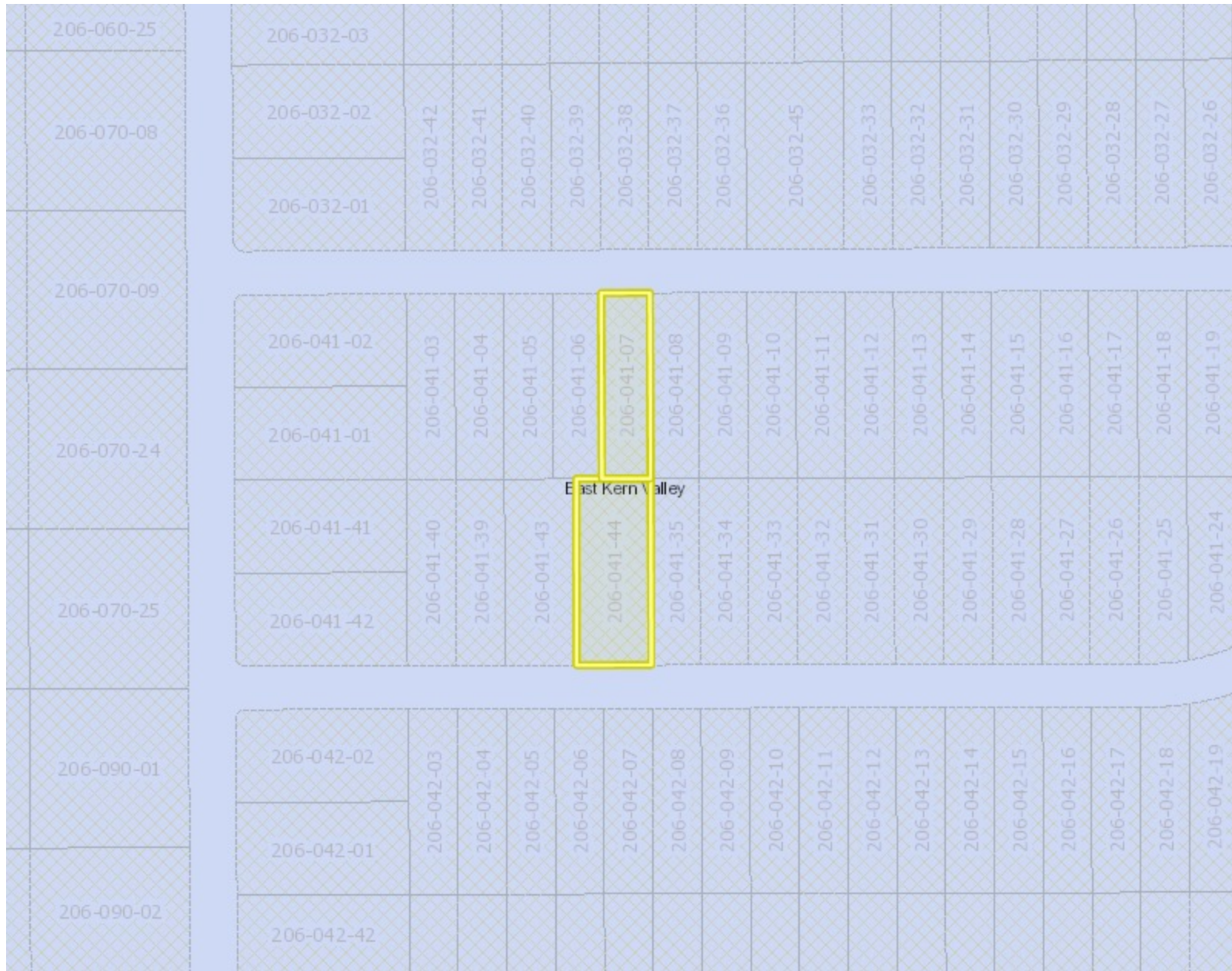
WGS_1984_Web_Mercator_Auxiliary_Sphere
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Notes



East Kern Co. APCD Mapping (APN: 206-041-07; -44)



Legend

- East Kern Valley APCD
- Parcels Land

1:4,514



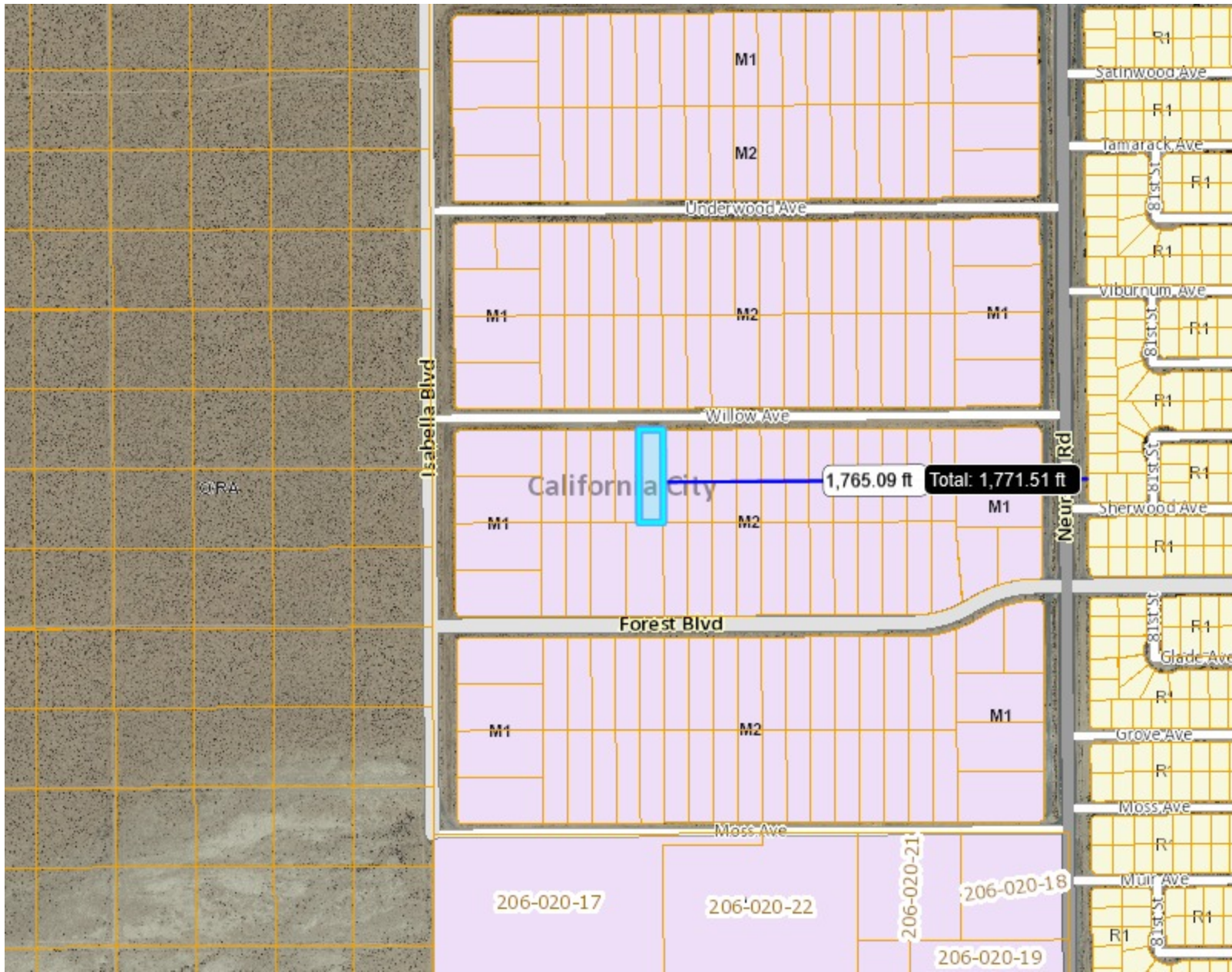
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WGS_1984_Web_Mercator_Auxiliary_Sphere
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Notes

Residential Zoning Radius Map



Legend

- Parcels Land
- City Incorporated
- Zoning CalCity**
- C1
- C2
- C3
- C4
- C5
- CMC
- G
- M1
- M2
- O/RA
- R1
- R2
- R3
- R4
- R5
- RA
- RM1
- County Facilities

1: 9,028



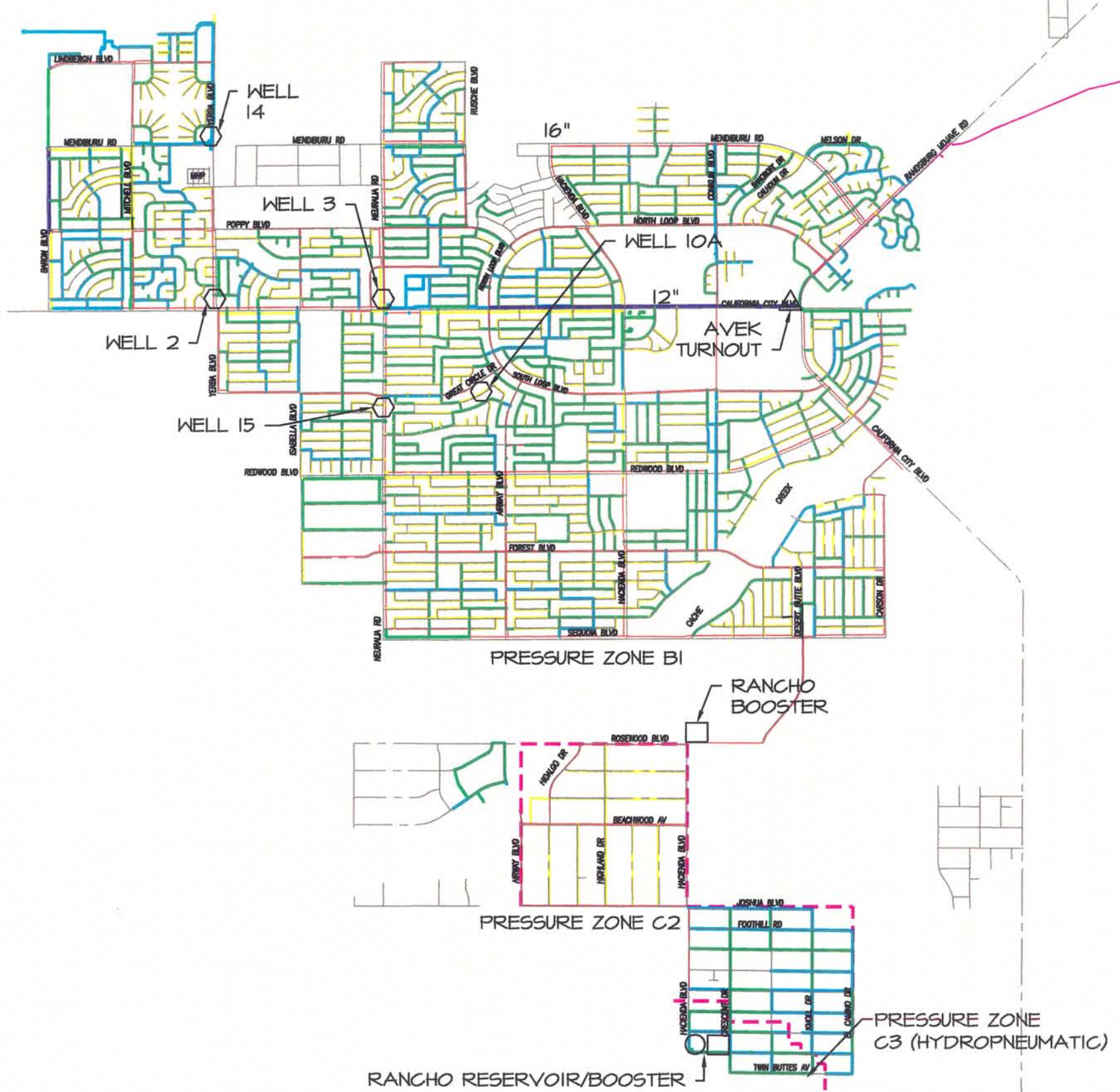
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WGS_1984_Web_Mercator_Auxiliary_Sphere
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Notes

2.5 MG RESERVOIR
ELEVATION 2570



- LEGEND
- 20" WATER MAIN
 - 12" WATER MAIN
 - 10" WATER MAIN
 - 8" WATER MAIN
 - 6" WATER MAIN
 - 4" WATER MAIN
 - - - PRESSURE ZONE BOUNDRY

FIGURE III-1
EXISTING WATER SYSTEM
CALIFORNIA CITY WATER
MASTER PLAN
Quad Knopf



SCALE: 1" = 4000'

FIGURE 4: City Density Zone Map

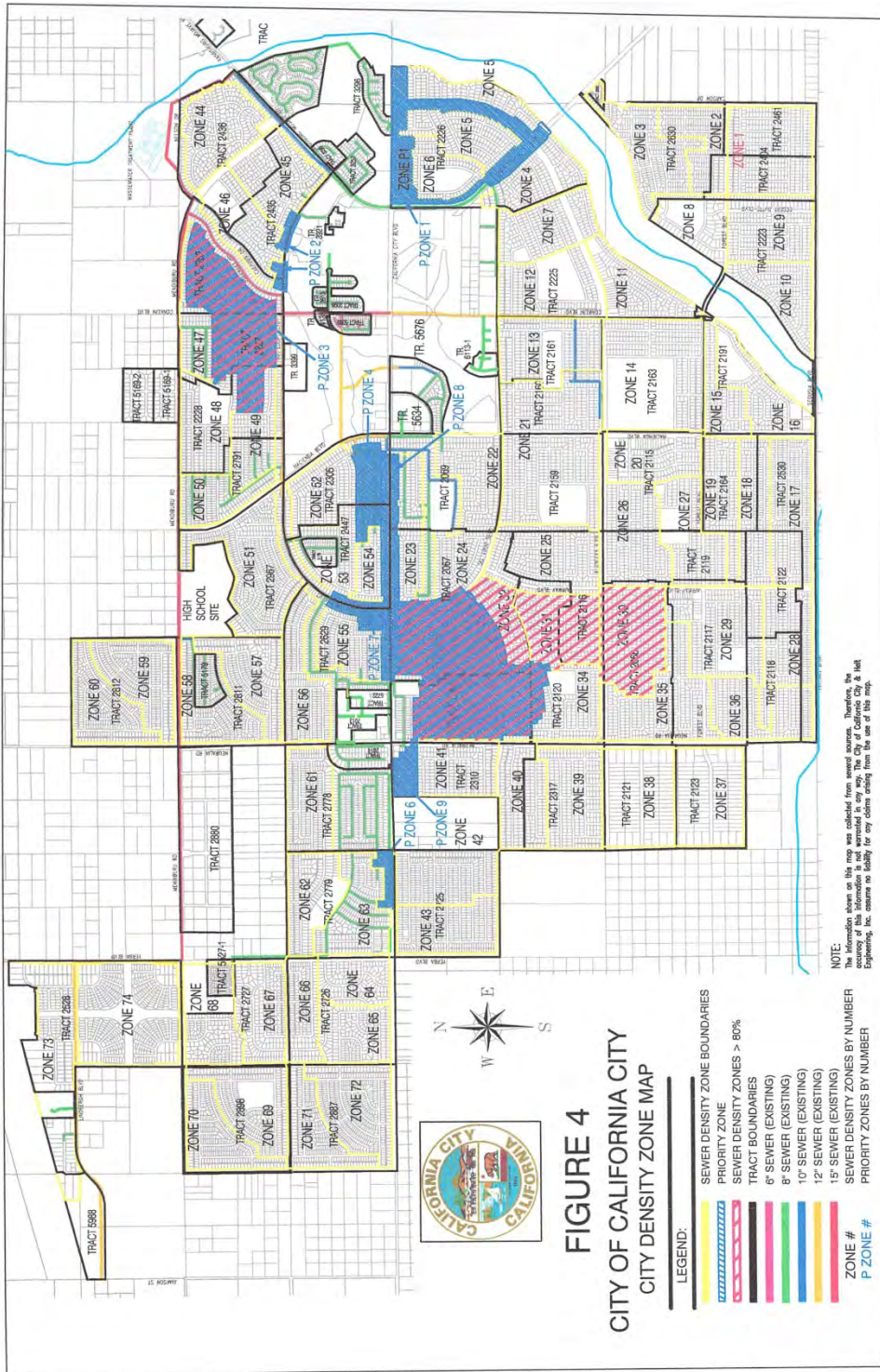


FIGURE 6: California City, Sewer Plan

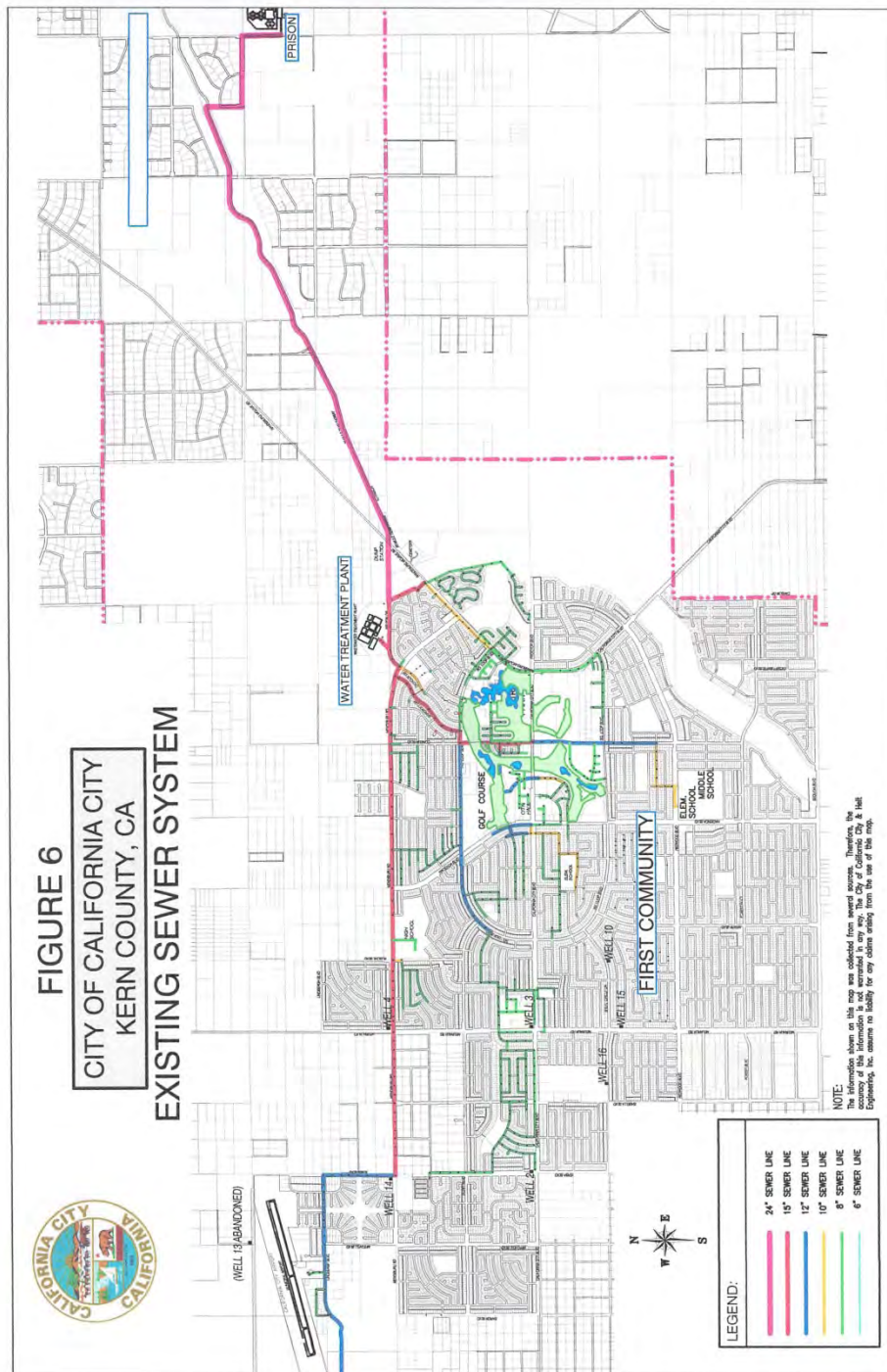
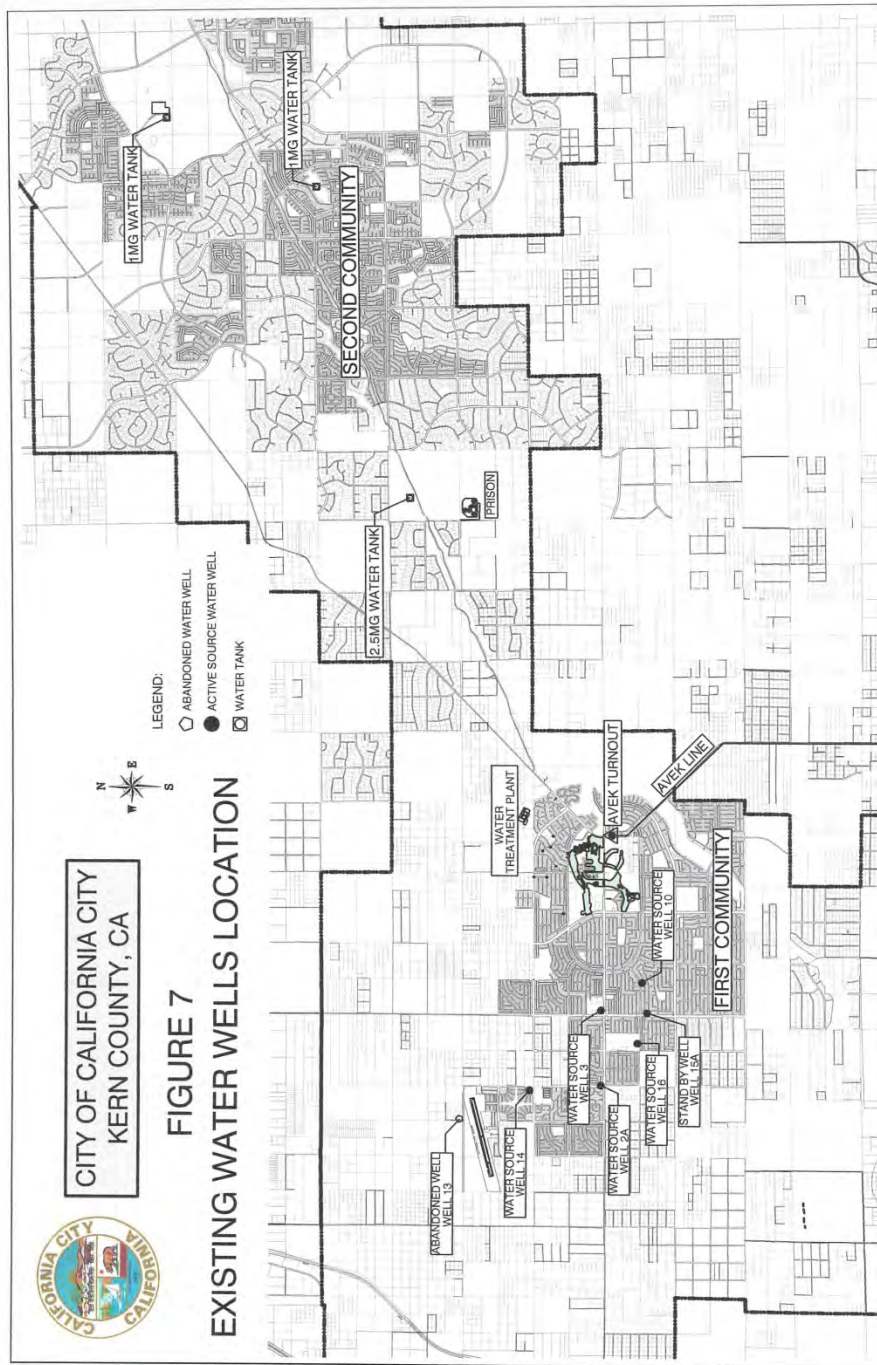


FIGURE 7: California City, Groundwater Wells Location Plan





Flooding & Drainage Mapping (APN: 206-041-07; -44)



206-060-25	206-032-03																	
206-070-08	206-032-02																	
	206-032-01	206-032-42	206-032-41	206-032-40	206-032-39	206-032-38	206-032-37	206-032-36	206-032-45	206-032-33	206-032-32	206-032-31	206-032-30	206-032-29	206-032-28	206-032-27	206-032-26	
206-070-09	206-041-02																	
206-070-24	206-041-01	206-041-03	206-041-04	206-041-05	206-041-06	206-041-07	206-041-08	206-041-09	206-041-10	206-041-11	206-041-12	206-041-13	206-041-14	206-041-15	206-041-16	206-041-17	206-041-18	206-041-19
	206-041-41	206-041-40	206-041-39	206-041-43	206-041-44	206-041-35	206-041-34	206-041-33	206-041-32	206-041-31	206-041-30	206-041-29	206-041-28	206-041-27	206-041-26	206-041-25	206-041-24	
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206-090-01	206-042-02																	
206-090-02	206-042-01	206-042-03	206-042-04	206-042-05	206-042-06	206-042-07	206-042-08	206-042-09	206-042-10	206-042-11	206-042-12	206-042-13	206-042-14	206-042-15	206-042-16	206-042-17	206-042-18	206-042-19
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Legend
Parcels Land

1: 4,514



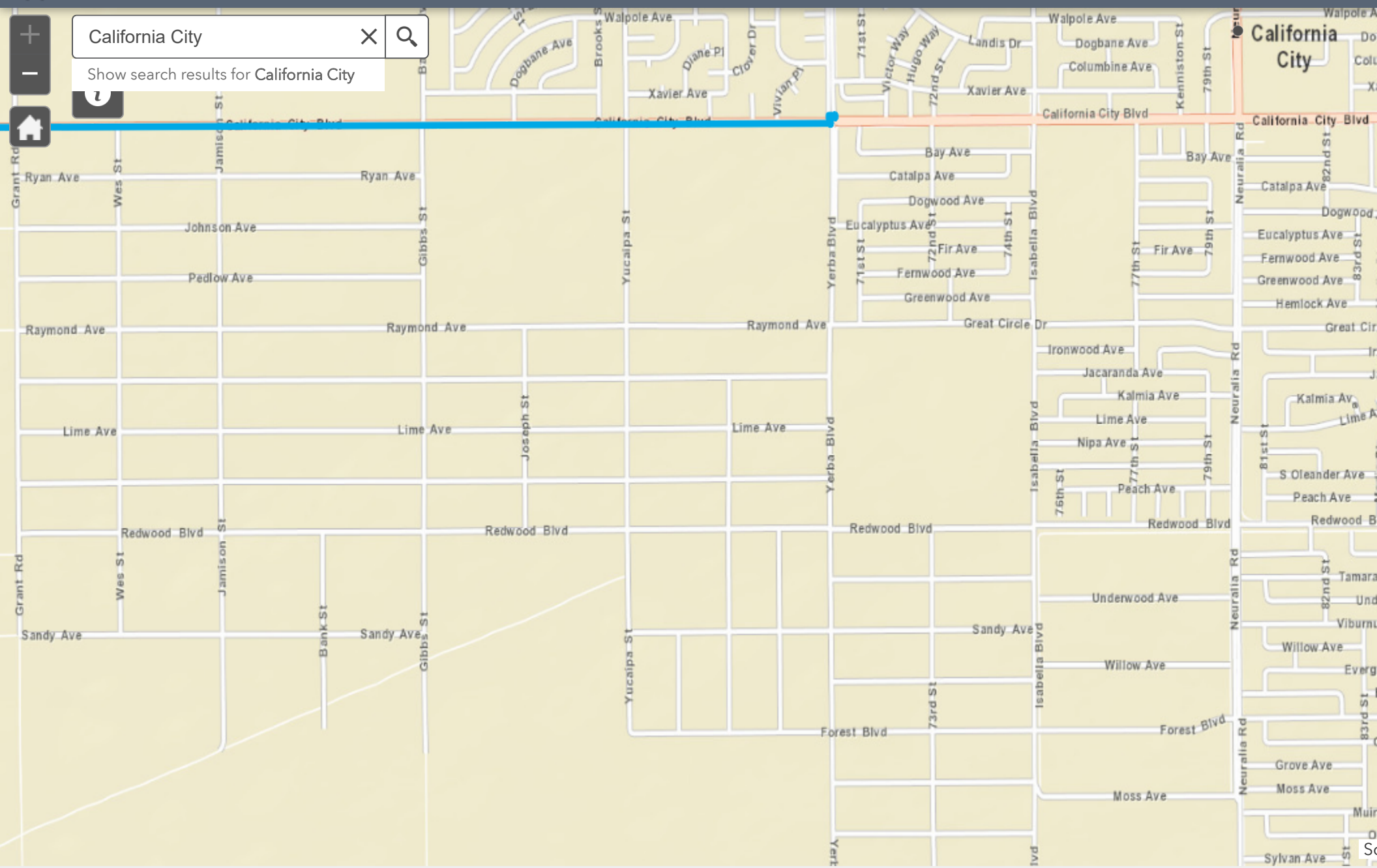
0.1 0 0.07 0.1 Miles

Notes

Gas Transmission Pipeline Interactive Map - Kern



California City X 🔍
Show search results for California City



0.3mi
-117.990 35.107 Degrees





Legend

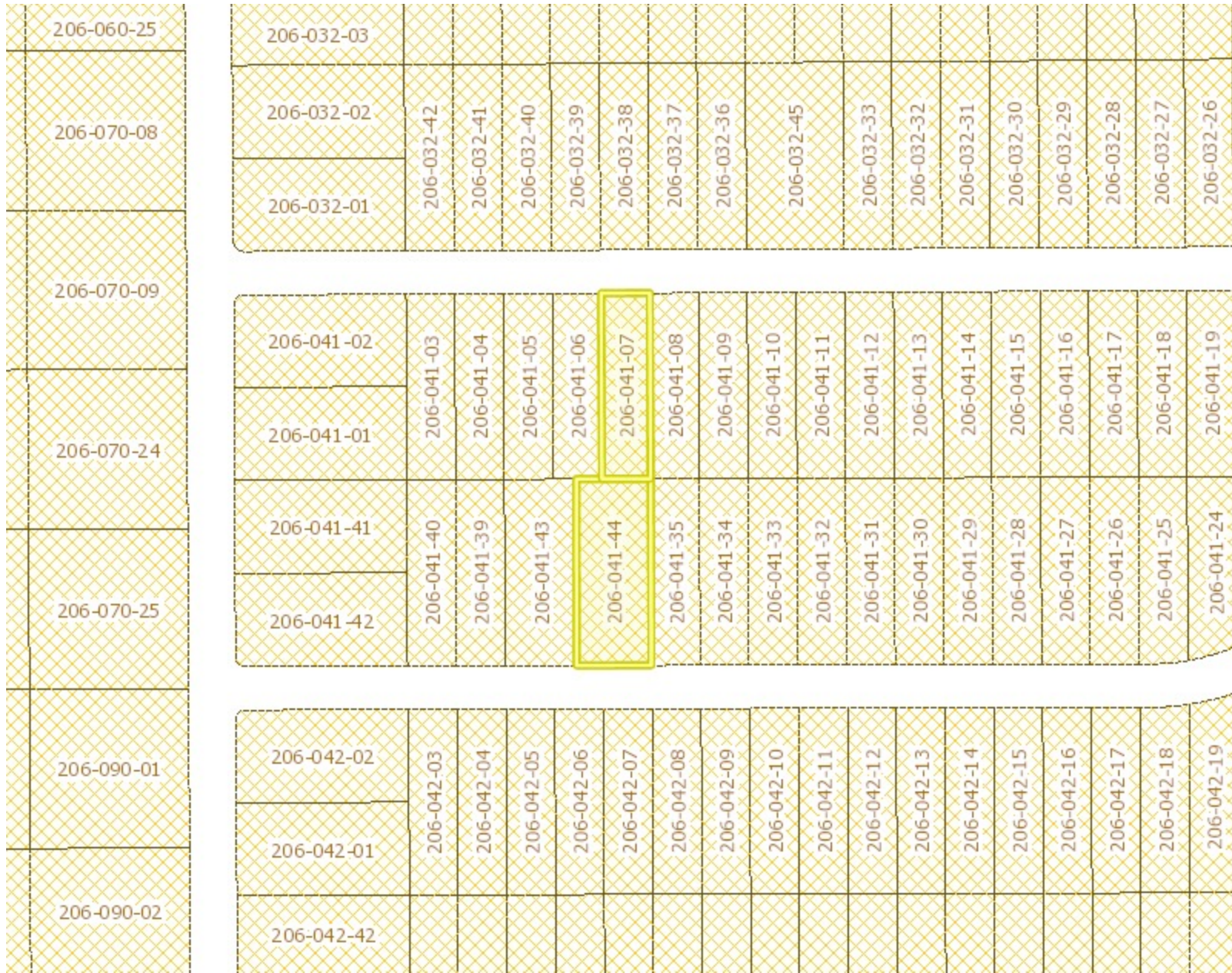
- Parcels Land
- General Plan**
- 1.1
- 1.2
- 3.1
- 3.2
- 3.3
- 3.4
- 3.4.1
- 3.7
- 4.1
- 4.2
- 4.3
- 5.1
- 5.2
- 5.3
- 5.4
- 5.45
- 5.5
- 5.6
- 5.7
- 5.75
- 5.8
- 6.1
- 6.2
- 6.3

1: 4,514





0.1 0 0.07 0.1 Miles

Notes



Legend

-  Parcels Land
-  Parcels Mineral

1:4,514











0.1 0 0.07 0.1 Miles

Notes



April 22, 2021

Wetlands

- | | | |
|--|---|--|
|  Estuarine and Marine Deepwater |  Freshwater Emergent Wetland |  Lake |
|  Estuarine and Marine Wetland |  Freshwater Forested/Shrub Wetland |  Other |
| |  Freshwater Pond |  Riverine |

This map is for general reference only. The US Fish and Wildlife Service is not responsible for the accuracy or currentness of the base data shown on this map. All wetlands related data should be used in accordance with the layer metadata found on the Wetlands Mapper web site.



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(Page last updated 4/17/18)

+

-

LEGEND

Mapping Projects

Recent

- 2019
- 2020

Active

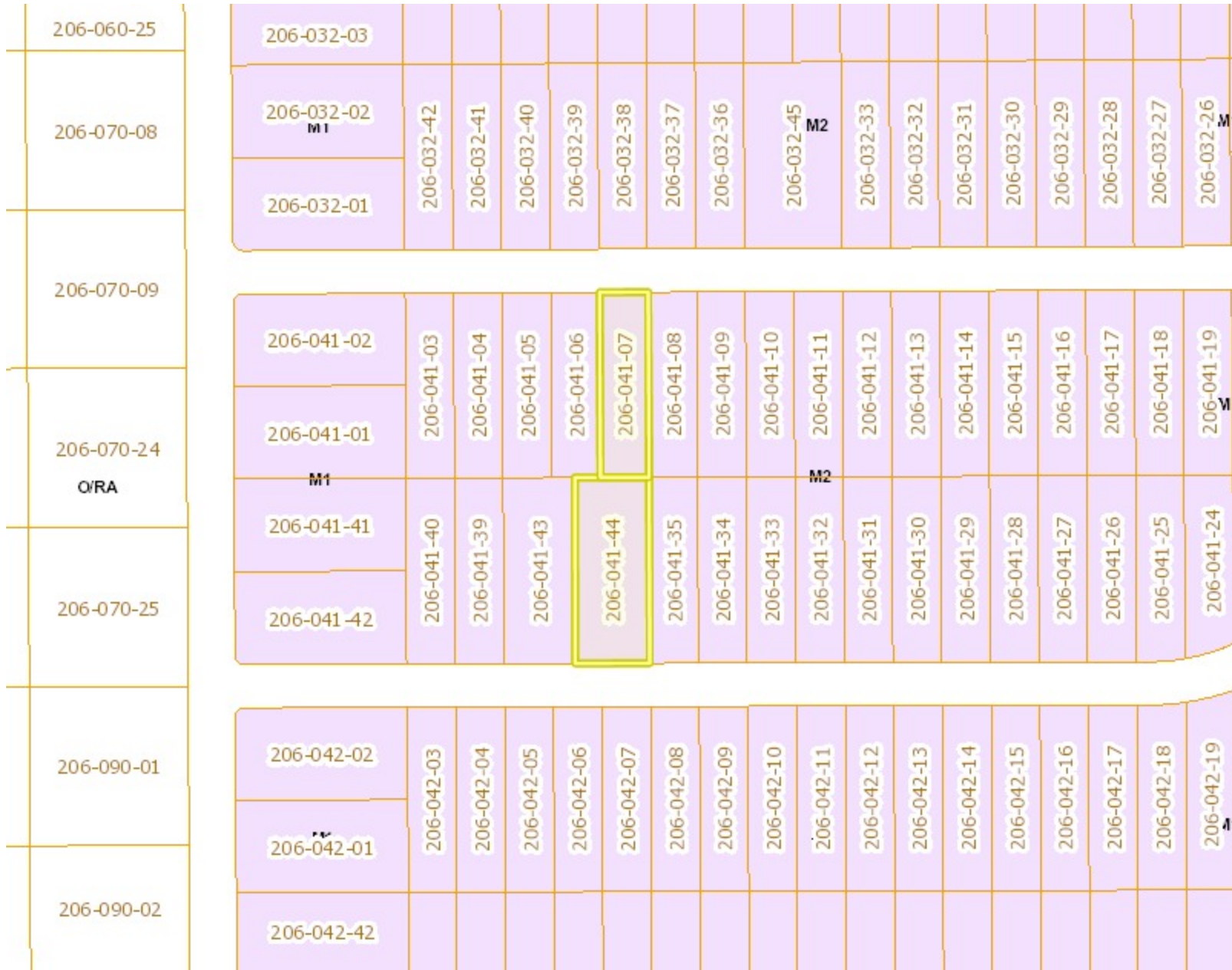


Image Year



















- 2010s
- 2000s
- 1990s
- 1980s
- 1970s
- N/A



Zoning Mapping (APN: 206-041-07; -44)



Legend

-  Parcels Land
- Zoning CalCity**
-  C1
-  C2
-  C3
-  C4
-  C5
-  CMC
-  G
-  M1
-  M2
-  O/RA
-  R1
-  R2
-  R3
-  R4
-  R5
-  RA
-  RM1

1:4,514



0.1 0 0.07 0.1 Miles

Notes

V. ENVIRONMENTAL ISSUES ASSESSMENT

In accordance with the California Environmental Quality Act (CEQA) (Public Resources Code Section 250-21178.1), this Initial Study has been prepared to analyze the proposed Project to determine any potential significant impacts upon the environment that would result from construction and implementation of the Project. In accordance with California Code of Regulations, Section 15063, this Initial Study is a preliminary analysis prepared by the Lead Agency, City of California, in consultation with other jurisdictional agencies, to determine whether a Negative Declaration, Mitigated Negative Declaration, or an Environmental Impact Report is required for the proposed Project. The purpose of this Initial Study is to inform the decision-makers, affected agencies, and the public of potential environmental impacts associated with the implementation of the proposed Project.

	Potentially Significant Impact	Less than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
AESTHETICS Would the Project				
1. Scenic Resources				
a) Have a substantial effect upon a scenic highway corridor within which it is located?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
b) Substantially damage scenic resources, including, but not limited to, trees, rock outcroppings and unique or landmark features; obstruct any prominent scenic vista or view open to the public; or result in the creation of an aesthetically offensive site open to public view?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Source: City of California City Municipal Code; City of California City Final General Plan 2009-2028; Project Materials.

Findings of Fact: According to the California City General Plan, the City is located within the Mojave Desert, which is characterized by gentle rolling ground surfaces, with low to moderate topographical relief across the desert floor. The immediate vicinity surrounding the Project consists of moderately sloping alluvial plains with a series of steep rock buttes and several arroyos, including Cache Creek, which lies approximately 2-miles south of the project site; The City is encompassed by the San Gabriel Mountains to the south, Tehachapi Mountains to the west, and the Rand Mountains to the north which create various scenic vistas throughout California City (California City General Plan, 2009).

The adjacent parcels south, east and west of the project, area currently vacant and undisturbed with scattered vegetation. From the project site, views of the Tehachapi Mountains to the west are the most prominent but will not be obscured by the proposed height or massing of the proposed buildings.

The Project proposes to develop a 48,989 SF for a cannabis cultivation facility. The building construction type, architectural style and massing, as well as the proposed building elevations, materials, roof pitch will conform and be consistent with the theme and style of surrounding parcels and the general environment of the immediately surrounding Project area.

According to the California Scenic Highway Mapping System, the two closets state highways, being Kern County Highways 14 and 58, are not designated as State Scenic Highways. However, these same highways are listed as Eligible State Scenic Highways, yet not official designated as such and are located several miles from the Project site to be substantially impacted in any manner.

The project shall comply with the standards outlined within the California City General Plan and Municipal Code Zoning Classification of M-1 (Light Industrial Zoning District), respectfully, as well as the regulations set forth in City ordinance for cannabis cultivation and manufacturing facility. The project is required to go through a Site Plan Review process, which is administered by the City, as part of the development process, in which the proposed site design will be reviewed by the Community Development Department. The Site Plan Review process includes the installation of landscaping within the project site which provides enhancement to the surrounding character of the project site. The project's compliance with these standards ensures that impacts effecting the existing visual character or quality of the site and its surroundings are less than significant.

Mitigation: No Mitigation Required

Monitoring: No Monitoring Necessary

2. Nighttime Lighting Interference	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
a) Interfere with the nighttime observance of stellar activities, as protected through City Ordinance?				

Source: City of California City Municipal Code; City of California City Final General Plan 2009-2028; Project Materials.

Findings of Fact: The project is proposed within the M-1 (Light Industrial Zoning District) where the current sources of light are attributed to the existing industrial facilities to the north. These current sources of light include illumination from vehicular traffic in the area, as well as existing lighting fixtures above building entrances, in parking lots, and around existing signage. All lighting standards shall be fixed and directed downward upon the project parking lot and common areas. In addition, all lighting is required to be shielded to prevent light spillage and be measured at zero lumens at the property boundary. The public street, adjacent to the Project site, does not contain any existing traffic signals or streetlamps; only utility poles are located adjacent to the northbound lane of Willow Ave. No additional sources of lighting exist that could impact the project.

Mitigation: No Mitigation Required

Monitoring: No Monitoring Necessary

3. Other Lighting Issues	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
a) Create a new source of substantial light or glare which would adversely affect day or nighttime views in the area?				
b) Expose residential property to unacceptable light levels?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Source: City of California City Municipal Code; City of California City Final General Plan 2009-2028; Project Materials.

Findings of Fact: The California City Municipal Code requires that signage shall not be directly illuminated, internally or externally, except the name and address of the business may be illuminated at night (Municipal Code Section 5-6.1301). These standards will ensure the amount of lighting that is created from the project site does not substantially affect the surrounding area.

Pertaining to daytime glare, the project will not involve building materials with highly reflective properties that would disrupt day-time views. The proposed structure will consist of pre-fabricated metal buildings

Potentially Significant Impact	Less than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
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with beige, brown and off-white colored stucco and glint-and-glare resistant windows located within the building's façade. The proposed use will not substantially increase glint, glare, or light pollution given the small size of the property, the relatively small footprint or the use, and the minimum amount of exterior lighting required. Notwithstanding this minimal impact, the project shall comply with City standards regarding lighting and glare in industrial facilities and M-1 zones. Therefore, less than significant impacts are anticipated to result from the proposed project.

Mitigation: No Mitigation Required

Monitoring: No Monitoring Necessary

AGRICULTURE & FOREST RESOURCES Would the Project

4. Agriculture

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?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
b) Conflict with existing agricultural zoning, agricultural use or with land subject to a Williamson Act contract or land within a County or City designated Agricultural Preserve?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
c) Cause development of non-agricultural uses within 5 feet of agriculturally zoned property (Ordinance No. 625 "Right-to-Farm")?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
d) Involve other changes in the existing environment which, due to their location or nature, could result in conversion of Farmland, to non-agricultural use?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Source: City of California City Municipal Code; City of California City Final General Plan 2009-2028; Kern County GIS Resources: (SoilWeb An Online Soil Survey Browser California Soil Resource Lab, Williamson Act Ag Preserve Parcels, & DLRP Important Farmland Finder); Project Materials.

Findings of Fact: The proposed Project will not disturb or convert any designated farmland or other form of agricultural resource. According to the 2021 California Farmland Mapping and Monitoring Program the property is designated as "other lands". The subject site and surrounding land to the north, east, and south is not categorized as Prime Farmland, Unique Farmland, or Farmland of local statewide importance. According to the California Department of Conservation – Important Farmland Finder, parcels located within the existing open space zoning and to generally to the west of the Project site are designated as "nonagricultural or natural vegetation"; however, no farmland currently exists or has been present for some time. In addition, these parcels are not located within property that is designated as a Williamson Act property, as such no impacts are expected. The Project site is not located in an existing zone for agricultural use or classified as farmland. According to the Williamson Act records, no portion of land within a one-mile radius is recognized as being under a Williamson Act Contract. The proposed Project will not impact or remove land from the City or County's agricultural zoning or agricultural reserve. No impacts are expected.

Mitigation: No Mitigation Required

Monitoring: No Monitoring Necessary

	Potentially Significant Impact	Less than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
5. Forest	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
a) 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 Govt. Code section 5154(g))?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
b) Result in the loss of forest land or conversion of forest land to non-forest use?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
c) Involve other changes in the existing environment which, due to their location or nature, could result in conversion of forest land to non-forest use?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Source: City of California City Municipal Code; City of California City Final General Plan 2009-2028; Project Materials.

Findings of Fact: The Project is located within an existing urbanizing desert environment that is currently zoned for industrial uses. The Project site, and the surrounding vicinity, does not contain any forest land, timberland or Timberland Production Zones (TPZ) that have occurred or will occur on the Project site or in the surrounding area because forest vegetation is not characteristic of the Eastern Kern County desert environment. No impacts are anticipated. The Project will occur in an existing urban desert setting zoned for industrial uses. No forest land, timberland or Timberland Production zoning occurs on the Project site or in the surrounding area because forest vegetation is not characteristic of the Eastern Kern County desert environment. No impacts are anticipated. As previously described, the Project site and vicinity are designated by the California City General Plan and Zoning map as Light Industrial and Research. The proposed indoor cultivation and processing facilities will not result in conversion of any farmland or forest land because no farmland or forest land is situated within or adjacent to the Project. No impacts are anticipated.

Mitigation: No Mitigation Required

Monitoring: No Monitoring Necessary

<u>Would the Project</u>				
6. Air Quality Impacts	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
a) Conflict with or obstruct implementation of the applicable air quality plan?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b) Violate any air quality standard or contribute substantially to an existing or Projected air quality violation?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c) Result in a cumulatively considerable net increase of any criteria pollutant for which the Project region is non-attainment under an applicable federal or state ambient air quality standard (including releasing emissions which exceed quantitative thresholds for ozone precursors)?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d) Expose sensitive receptors which are located within 1 mile of the Project site to Project substantial point source emissions?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e) Involve the construction of a sensitive receptor located within one mile of an existing substantial point source emitter?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

	Potentially Significant Impact	Less than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
f) Create objectionable odors affecting a substantial number of people?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Source: Source: City of California City Municipal Code; City of California City Final General Plan 2009-2028; Project Materials; Kern County Air Pollution Control District (EKAPCD).

Findings of Fact: California City is located within the Mojave Desert Air Basin and is under the jurisdiction of the Kern County Air Pollution Control District (EKAPCD). There are over 3,700-square miles in the eastern portion that Kern County APCD controls, located on the western edge of the Mojave Desert. The high summer temperatures and radiation from the sun can encourage photochemical ozone formation when local sources or transported volatile organic compounds (VOC's) and oxides of Nitrogen (NOx) precursors are present. Kern County is within the jurisdiction of both the San Joaquin Valley Air Pollution Control District (SJVAPCD) in the San Joaquin Valley Air Basin (SJVAB) and the Eastern Kern Air Pollution Control District (EKAPCD) in the Mojave Desert Air Basin (MOAB).

Projects are evaluated for consistency with the local air quality management plans, which link local planning and individual Projects to the regional plans developed to meet the ambient air quality standards. The assessment takes into consideration whether the Project forms part of the expected conditions identified in local plans (General Plan Land Use and Zoning) and whether the Project adheres to the City's air quality goals, policies, and local development assumptions factored into the regional California Air Resources Board (CARB). As previously discussed, the undeveloped Project property has a Light Industrial Zoning (M-1) District classification, which has been established to permit the development of a wide spectrum of industrial and manufacturing uses. In its current condition, the undeveloped Project site is surrounded by mostly vacant land and is not located within proximity of existing residential uses or other densely populated areas of the City or County. The Project will not require a General Plan Amendment or other revision that would provide directly or indirectly for increased population growth above the level projected in the adopted California Air Resources Board. The Project will not interfere with the ability of the region to comply with federal and state ambient air quality standards. Projects that are consistent with local General Plans are considered consistent with the air quality related regional plans including the current CARB, the PM-10 and other applicable regional plans. The proposed Project is a permitted use in the existing zone and shall comply with the corresponding development standards. Development is consistent with the growth projections in the City of California City General Plan and is to be consistent with CARB.

The Project would not result in or cause violations to the National Ambient Air Quality Standards or California Ambient Air Quality Standards. The Project's proposed land use designation for the subject site does not materially affect the uses allowed or their development intensities as reflected in the adopted City General Plan. The Project is therefore considered to be consistent with the AQMP and impacts related to air quality plans are expected to be less than significant following implementation of standard conditions within the plan and including but not limited to:

- Development of the proposed Project will comply with the provisions of Eastern Kern County Air Pollution District.
- A Fugitive Dust Control Plan will be prepared for the Project outlining required control measures throughout all stages of construction.

Potentially Significant Impact	Less than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
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In the event that the electricity purveyor (Southern California Edison) cannot immediately supply service concurrently with the City’s issuance of occupancy permits and business licenses, the project may utilize on-site generators to achieve operational capacity prior to full electrification by SCE. In this circumstance, the project anticipates the utilization of a 5.8 kHP, 8.1LT, 125 kWe 6-Cylinder Inline generator, to provide temporary power in lieu of delaying project operations and awaiting the completion of infrastructure development by Southern California Edison (SCE). The proposed generator will operate 8-hours per day for at-least one year (351 days), with approximately 1,920 operational hours per year. While the timeframe of electrical infrastructure by SCE is undetermined, the generator being utilized has already undergone a rigorous certification process by CalEPA and CARB for commercial use in the manner described. In addition, an air quality (CalEEMod) analysis was completed, and the results are described below in Table 1-1. The proposed generator does not exceed the daily thresholds for criteria pollutants as set forth by the Kern County/Mohave Air District.

TABLE 1-1: PROJECT CONSTRUCTION EMISSIONS (<i>Unmitigated</i>)			
Pollutant	Daily Maximum Emissions (lbs./day)	EKAPCD Maximum Daily Threshold* (lbs./day)	Exceeds EKAPCD Threshold?
Reactive Organic Gas (ROG)	128.28	137	NO
Oxides of Nitrogen (NO_x)	20.24	137	NO
Carbon Monoxide (CO)	15.84	548	NO
PM_{2.25}	4.23	82	NO
SO₂	0.03	148	NO

**Source: CalEEMod v2016.3.1. & http://www.kernair.org/Main_Pages/Subpages/Rules_Sub/CEQA_Guidelines.html*

TABLE 1-2: PROJECT OPERATION EMISSIONS (<i>Unmitigated</i>)			
Pollutant	Daily Maximum Emissions (lbs./day)	EKAPCD Maximum Daily Threshold* (lbs./day)	Exceeds EKAPCD Threshold?
Reactive Organic Gas (ROG)	3.4	137	YES
Oxides of Nitrogen (NO_x)	12.42	137	NO
Carbon Monoxide (CO)	10.50	548	NO
PM_{2.25}	1.02	82	NO
SO_x	0.64	148	NO

**Source: CalEEMod v2016.3.1. & http://www.kernair.org/Main_Pages/Subpages/Rules_Sub/CEQA_Guidelines.html*

Consequently, the Project would not substantially contribute to a significant individual or cumulative impact on existing or projected exceedances of the state or federal ambient air quality standards or result in a cumulatively considerable net increase in the emissions of any criteria pollutant for which the Project region is designated nonattainment. Less than significant impacts are anticipated.

Potentially Significant Impact	Less than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
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Mitigation:

AQ1: Article 11, Section 5-6.1301 of the City Municipal Code requires the reduction and elimination of odors resulting from the processing, cultivation, and the commercial sale of cannabis and cannabis related products. The Project is required to implement, maintain in good repair, and comply with City monitoring and enforcement, as necessary. Furthermore, compliance with City Code is required of all projects and is not considered unique mitigation.

AQ2: The project proponent shall install a sign, no less than four feet by eight feet in area, and no more than six feet in height. The sign shall provide the name and number of a 24/7 contact for concerns relating to construction noise or dust.

Monitoring: The City Code Enforcement Department will monitor and enforce odor, noise, and other similar complaints. The City Planning Division will monitor compliance of the mitigation measures set forth in the CalEEMOD report and analysis.

BIOLOGICAL RESOURCES Would the Project

	Potentially Significant Impact	Less than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
7. Wildlife & Vegetation	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
a) Conflict with the provisions of an adopted Habitat Conservation Plan, Natural Conservation Community Plan, or other approved local, regional, or state conservation plan?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
b) Have a substantial adverse effect, either directly or through habitat modifications, on any endangered, or threatened species, as listed in Title 14 of the California Code of Regulations (Sections 670.2 or 670.5) or in Title 50, Code of Federal Regulations (Sections 17.11 or 17.12)?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c) 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 Wildlife or U. S. Wildlife Service?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e) 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?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
f) Have a substantial adverse effect on federally protected wetlands as defined by Section 404 of the Clean Water Act (including, but not limited to, marsh, vernal pool, coastal, etc.) through direct removal, filling, hydrological interruption, or other means?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
g) Conflict with any local policies or ordinances protecting biological resources, such as a tree preservation policy or ordinance?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Potentially Significant Impact	Less than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
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Source: City of California City Municipal Code; City of California City Final General Plan 2009-2028; General Biological Resources Assessment & Endangered Species Report (dated September 1, 2020); Project Materials.

Findings of Fact: A desktop Biological Assessment was conducted on April 17, 2021 and as part of this assessment, an evaluation was conducted to ascertain the biological resources potentially available on-site. The proposed project area was characteristic of a highly impacted desert field. However, regarding species of concern that are currently established as threatened or endangered species on identified at either the federal or state level, none were identified through the use of site photos and historic aerial photos. More specifically, no desert tortoises (*Gopherus agassizii*) were identified within the Project area. The evaluation did not provide suitable habitat for Desert Tortoises (DT) or Mohave Ground Squirrels (MGS) (*Xerospermophilus mohavensis*). No desert Kit Fox dens were identified within the Project survey boundary. No burrowing owls (*Athene cunicularia*) were identified during the field survey. California ground squirrel burrows (*Citellus beecheyi*) were not identified within the study area. California ground squirrel burrows can provide potential future cover sites for burrowing owls. Sensitive plants, specifically, alkali mariposa lily (*Calochortus striatus*), desert cymopterus (*Cymopterus deserticola*), and Barstow woolly sunflower (*Eriophyllum mohanense*) are not expected to occur within the study area due to lack of suitable habitat. Prairie falcons (*Falco mexicanus*) and other raptors may fly over the site, but there are no nesting or roosting opportunities available within the study site. Migratory birds would not be expected to nest in the limited vegetation within the study site. No state or federally listed species are expected to occur within the proposed project area. No ephemeral streams or washes were present within the study area.

(a) Conflict with the provisions of an adopted Habitat Conservation Plan, Natural Conservation Community Plan, or other approved local, regional, or state conservation plan?

The California Department of Fish & Wildlife (CDFW) began planning for the establishment of, and acquisition of private lands for the conservation of the Mohave Ground Squirrel (MGS). In 2007, CDFW determined that an essential component of any conservation strategy, for the state-listed MGS. The service has identified four “core areas” that have historically supported relatively abundant and widespread MGS populations. There is evidence that these populations will continue to persist given adequate conservation efforts and mitigation strategies. As a Land Mitigation Bank does not currently exist, mitigation credits are reserved for future conservation efforts. The four core areas currently recognized are detailed as follows:

- (i) Coso Range NW to Olancha. Most of the area is within the China Lake NAWS military reservation, with a mixture of BLM, LADWP, and private lands to the west (Inyo County).
- (ii) Little Dixie Wash (from Inyokern SW to Red Rock Canyon State Park). Most of the area is publicly managed by BLM, with some private and state ownerships as well (Kern County).
- (iii) Edwards Air Force Base, east of Rogers Dry Lake. This core area is entirely on the United States Air Force (USAF) military reservation; the surrounding lands are in private and BLM ownership (Kern and San Bernardino County).
- (iv) Coolgardie Mesa to Superior Valley. Land ownership was primarily BLM and in private ownership; however, much of the northern portion of this core area is not included within the Fort Irwin Wester Expansion Area (WEA) (San Bernardino County).

The Project is located approximate 40-miles from the Little Dixie Wash conservation area, which is sufficient distance removed from the conservation area. CDFW provides additional analysis to support

Potentially Significant Impact	Less than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
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this potential incremental impact upon MGS habitat, through their Mohave Ground Squirrel Technical Advisory Group (MSG TAG); which is a long-standing committee of MGS technical experts, land management, and regulatory agencies. CDFW remains concerned that the urbanizing effects of the Project will contribute to the diminishment; albeit incremental, upon the MGS habitat. The TAG published a list of conservation priorities in December of 2010 and sets forth five primary conservation priorities intended to support the ongoing conservation of the MGS. These priorities are detailed as follows¹:

- 1) Maintain Functional Habitat Connections between Known Populations
- 2) Protect Known Core Areas
- 3) Identify Development Zones with Minimal Impact on MGS Habitat
- 4) Conduct Research to Clarify the Distribution and Status of the MGS
- 5) Conduct Research to Improve Mohave Ground Squirrel Detection Capabilities

b) – g) A Biological Assessment was conducted March 29, 2021 and as part, a habitat assessment/field survey was prepared. This assessment is incorporated herein by reference, to confirm existing site conditions within the project site. The lead biologist extensively surveyed all special-status habitats and/or natural areas, where accessible, which have a higher potential to support special-status plant and wildlife species. Vegetation communities occurring within the project site were mapped on an aerial photograph and classified in accordance with the vegetation descriptions provided in *A Manual of California Vegetation* (Sawyer *et al.*, 2009) and cross referenced with the *Preliminary Descriptions of the Terrestrial Natural Communities of California* (Holland, 1986). In addition, site characteristics such as soil condition, topography, hydrology, anthropogenic disturbances, indicator species, condition of on-site vegetation communities, and the presence of potentially regulated jurisdictional features were noted. Mark Hagan Biological used Geographic Information Systems (GIS) ArcView software to digitize the mapped vegetation communities and then transferred these data onto an aerial photograph to further document existing conditions and quantify the acreage of each vegetation community. A line transect survey was conducted on June 10, 2020 to inventory biological resources. The proposed project area was characteristic of a disturbed creosote bush (*Larrea tridentata*) scrub plant community. A total of fifteen (15) plant species and eight (8) wildlife species or their sign were observed during the line transect survey. No desert tortoises (*Gopherus agassizii*) or their sign were observed during the field survey. No Mohave ground squirrels (*Xerospermophilus mohavensis*) were observed or audibly detected during the field survey. *Schismus* (sp.), an invasive grass species that appears to be an indicator of poor Mohave ground squirrel habitat, is the dominant annual within and adjacent to the study site. Mohave ground squirrels are not expected due to lack of required forage and cover plant species. The additional details, regarding the Habitat Assessment methodology, can be found in the attached Biological Assessment Report, prepared by Mark Hagan Biological, dated March of 2021.

The Biological Assessment indicated that natural habitats (within the project site) have been disturbed because of previous grading activities, resulting in a disturbed rubber rabbitbrush vegetation community and heavily disturbed/compacted surface soils throughout. No special-status plant species were observed during the field survey. The disturbed nature of the project site has reduced the potential for it to provide suitable habitat for special-status plant species. Based on the results of the habitat assessment and a review of specific habitat preferences, distributions, and elevation ranges, it was determined that special-status plant species identified by the CNDDDB and CNPS Online Inventory database are not expected to occur within the project site. The project site and surrounding vegetation communities provide limited suitable foraging and nesting habitat for a variety of year-round and seasonal avian residents as well as migrating songbirds that could occur in the area. Nesting birds are protected under the MBTA, the Bald and Golden Eagle Protection Act, and the CFGC. If project-related

¹ <https://nrm.dfg.ca.gov/FileHandler.ashx?DocumentID=83973&inline>

Potentially Significant Impact	Less than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
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activities are to be initiated during the nesting season (January 1st to August 31st), a pre-construction nesting bird clearance survey should be conducted by a qualified biologist no more than three (3) days prior to the start of any vegetation removal or ground disturbing activities. The qualified biologist shall survey all suitable nesting habitat within the project impact area, and areas within a biologically defensible buffer zone surrounding the project impact area. If no active nests are detected during the clearance survey, project activities may begin, and no additional avoidance and minimization measures would be required. If an active nest is found, the bird species shall be identified, and a “non-disturbance” buffer should be established around the active nest. The size of the “non-disturbance” buffer should be increased or decreased based on the judgement of the qualified biologist and level of activity and sensitivity of the species. It is further recommended that the qualified biologist periodically monitor any active nests to determine if project-related activities occurring outside the “no-disturbance” buffer disturb the birds and if the buffer should be increased. Once the young have fledged and left the nest, or the nest otherwise becomes inactive under natural conditions, project activities within the “no-disturbance” buffer may occur.

Although not identified in the CNDDDB database search of the USGS *California City North, California City South, Mojave NE, and Sanborn, California* 2.25-minute quadrangles, California horned lark was the only special-status wildlife species observed during the field survey. Based on the results of the habitat assessment and a review of specific habitat preferences, occurrence records, known distributions, and elevation ranges, it was determined that the project site has a moderate potential to support burrowing owl, prairie falcon, and loggerhead shrike; and a low potential to support Mohave ground squirrel. All remaining special-status wildlife species identified by the CNDDDB database are not expected to occur within the project site.

Due to the proximity of the project site to existing occurrence records for burrowing owl, ***pre-construction burrowing owl clearance surveys should be conducted by a qualified biologist to ensure that burrowing owls remain absent from the project site and impacts to burrowing owls do not occur.*** In accordance with the *Staff Report on Burrowing Owl Mitigation* (CDFW, 2012), two (2) pre-construction clearance surveys should be conducted 14-30 days and 24 hours prior to any vegetation removal or ground disturbing activities. Documentation of surveys and findings shall be submitted to the City of California City for review and file. If no burrowing owls or occupied burrows are detected, project activities may begin. If an occupied burrow is found within the development footprint during pre-construction clearance surveys, a burrowing owl exclusion and mitigation plan will need to be prepared and submitted to CDFW for approval prior to initiating project activities. Although Burrowing Owl was not observed during the field survey, the project site is located within the immediate vicinity of areas that do have the potential for sufficient habitat to occur, even though no owls have been observed. provides marginal habitat and occurs within the vicinity of known populations. The Project is found to have a less than significant impact, upon biological resources, with the following mitigation measures incorporated.

Mitigation:

BIO 1: The Project proponent shall conduct two (2) pre-construction clearance surveys should be conducted 14-30 days and 24 hours prior to any vegetation removal or ground disturbing activities. Documentation of surveys and findings shall be submitted to the City of California City for review and file. If no burrowing owls or occupied burrows are detected, project activities may begin. If an occupied burrow is found within the development footprint during pre-construction clearance surveys, a burrowing owl exclusion and mitigation plan will need to be prepared and submitted to CDFW for approval prior to initiating project activities.

BIO 2: If positive findings are determined, through the pre-construction surveys conducted under **Mitigation Measure BIO 1**, which qualify as suitable habitat is observed, and/or the presence of

Potentially Significant Impact	Less than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
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endangered or threatened species is also observed, then the Project proponent shall conduct the appropriate protocol surveys, prior to any development occurs within the project site to confirm the presence/absence of said species. Protocol surveys shall consist of three (3) separate 5-night trapping sessions conducted during specific terms between March 15th and July 15th.

BIO 3: If the protocol surveys conducted as part of Mitigation Measure BIO 2 and qualifying species are found to occupy the project site and/or the construction clearance areas of the Project site, then proponent shall file for, and process to completion, an *Incidental Take Permit*, in compliance with CDFW’s discretionary authority as defined by Title 14 of the California Code of Regulations (Section 15357 of the CEQA Guidelines). Under this *Incidental Take Permit*, CDFE will review and determine the necessary minimization and mitigation measures; including, but not limited to, the purchase of credits from a CDFW approved conservation or mitigation bank.²

Monitoring: The California Department of Fish and Wildlife (CDFW) will monitor and establish the mitigation/conservation credit agreement and the City of California City shall monitor the grading permit process and require written clearance, from CDFW, prior to the issuance of a grading permit.

CULTURAL RESOURCES Would the Project				
8. Historic Resources				
a) Alter or destroy an historic site?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
b) Cause a substantial adverse change in the significance of a historical resource as defined in California Code of Regulations, Section 15064.5?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Source: City of California City Municipal Code; City of California City Final General Plan 2009-2028; Project Materials.

Findings of Fact: The project is located on approximately 2.25-acres of undeveloped land within the M-1 (Light Industrial Zoning District), within California City. The M-1 land use designation provides a broad spectrum of industrial, and manufacturing uses that do not have the potential for detrimental impacts on surrounding properties. Existing manufacturing establishments in the vicinity are located north and west of the project site, including the California City Municipal Airport and a storage company. According to the California City General Plan, *historic resources are items that are at least 45 years of age or older that also represents a significant time, place, origin, event, or work of a master.* Historic resources may be identified as structures and as archaeological sites. Five historic archaeological sites are recorded within the City. Recorded historic sites included trash scatter, glass and ceramics and potential WWII desert training or military disposal items. As referenced within the Historic and Cultural resources of the General Plan none of these findings were eligible for inclusion under the California State Office of Historic Preservation (SOHP). The site is vacant, and no historic structures or features have been identified on or adjacent to the project site. In addition, there are no recognizable potential historic resources, as defined in Section 15064.5 of the CEQA Guidelines that would be adversely affected by the proposed project. This includes any object, building, structure, site, area, place, record, or manuscript which a lead agency determines to be historically significant. Less than significant impacts are anticipated.

Mitigation: No Mitigation Required

Monitoring: No Monitoring Necessary

² <https://wildlife.ca.gov/Conservation/Planning/Banking/Approved-Banks>

	Potentially Significant Impact	Less than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
9. Archaeological Resources	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
a) Alter or destroy an archaeological site.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
b) Cause a substantial adverse change in the significance of an archaeological resource pursuant to California Code of Regulations, Section 15064.5?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
c) Disturb any human remains, including those interred outside of formal cemeteries?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
d) Restrict existing religious or sacred uses within the potential impact area?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
e) Cause a substantial adverse change in the significance of a tribal cultural resource as defined in Public Resources Code 2574?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Source: City of California City Municipal Code; City of California City Final General Plan 2009-2028; Project Materials.

Findings of Fact: The approximately 2.25-acre project site is characterized by relatively flat, undisturbed desert land, with scattered vegetation. The Project is in the M-1 (Light Industrial Zoning District) within the City of California City. The Project site is not recognized as a unique archeological features; a site where former human remains, including those interred outside of formal cemeteries, have been identified or located; or a site that contains any existing religious or sacred uses. However, per the California City General Plan, if a unique archeological resource or site or human remains are found during excavation, all work will be suspended until the area has been thoroughly examined.

Pursuant to the California Health and Safety Code Section 7050.5, and the CEQA Guidelines Section 15064.5, in the event of discovery or recognition of any human remains in any location other than a dedicated cemetery, there shall be no further excavation or disturbance of the site, or any nearby area reasonably suspected to overlay adjacent remains, until the County Coroner has examined the remains. If the coroner determines the remains to be Native America or has reason to believe that they are Native American, the coroner shall contact by telephone within 24-hours of the Native American Heritage Commission. Pursuant to the mentioned California Health and Safety Code, proper actions shall take place in the event of a discovery or recognition of any human remains during project construction activities. Less than significant impacts are expected following the standard conditions which do not address any unique circumstances regarding the proposed site.

Findings of Fact: As previously discussed in the Cultural Resources section, there are five recorded historic archaeological sites within the City, according to the California City General Plan. These archaeological sites are not found within the project area. The cultural resource survey was concluded that no cultural resources were found on the project site or with proximity to the site (discussed in Cultural Resources: Sections 8-9). The historical, cultural, and archaeological resources surveys outlined within the California City General Plan indicate that the project site is not listed or eligible for listing in the California Register of Historical Resources or in any local register. Therefore, no impacts are anticipated with project implementation. As previously discussed in the Cultural Resources discussion of this document, there are five recorded historic archaeological sites within the City, according to the California City General Plan. The archaeological sites are not found within the project area.

Potentially Significant Impact	Less than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
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Therefore, no impacts are anticipated with project implementation. As previously discussed, the land surveys prepared for the California City General Plan did not indicate the presence of historic resources, cultural resources, and archaeological resources on or near the project site. The California City General Plan states that the City had no Native American Sacred Sites within the City's boundary. Therefore, project implementation is not expected to have a substantial adverse change in a significant Tribal cultural resource. Less than significant impacts are anticipated.

Mitigation: No Mitigation Required

Monitoring: No Monitoring Necessary

46. Energy Conservation

a) Would the Project conflict with any adopted energy conservation plans?

Source: City of California City Municipal Code; City of California City Final General Plan 2009-2028; California City General Plan Open Space Element.

Findings of Fact: The project will reduce its GHG emissions to the maximum extent feasible through energy conservation measures and implementation of the current California Green Building Standards Code in addition to the use of natural light for plant growth and water efficient irrigation for irrigation and landscape design. No impact is anticipated to adopted Energy Conservation plans.

Mitigation: No Mitigation Required

Monitoring: No Monitoring Necessary

GEOLOGY AND SOILS Would the Project

10. Alquist-Priolo Earthquake Fault Zone or City/County Fault Hazard Zones

a) Expose people or structures to potential substantial adverse effects, including the risk of loss, injury, or death?

b) Be subject to 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?

Source: City of California City Municipal Code; City of California City Final General Plan 2009-2028; General Plan Safety Element; Department of Conservation; Project Materials.

Findings of Fact: According to the Safety Element in the California City General Plan, a fault is defined as a fracture in the earth's crust forming a boundary between rock masses that have shifted. Fault rupture is a break in the ground's surface and associated deformation resulting from the movement of a fault. Rupture would be a potential problem within California City if a strong earthquake occurs along a known or unknown fault within or near the City. According to the California City General Plan, the City is not located in an Alquist- Priolo Earthquake Fault Zone. The closest Alquist-Priolo Earthquake Fault Zone lies approximately 4.65 miles northwest of the project site, at the Garlock Fault.

According to the Safety Element, of the City's General Plan, the project property shows no mapped faults on-site per maps prepared by the California Geologic Survey and published by the International Conference of Building Officials (ICBO). The project area is not located within an earthquake fault

Potentially Significant Impact	Less than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
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zone, and no evidence of surface faulting was observed on the property during the site reconnaissance. Per the findings within the California City General Plan and the project-specific Geotechnical Investigation, surface fault rupture is considered unlikely at the project site. Less than significant impacts are expected.

California City, and the project site, is in the Mojave Block, also referred to as the Eastern California Shear Zone (ECSZ). The ECSZ is an area of increased seismic activity which stretches from the San Andreas Fault in the Coachella Valley, north-northeast across the Mojave Desert, and northward to the Owens Valley. The numerous faults in the region may accommodate as much as 5 to 20 percent of the relative motion between the North American and Pacific Plates, and according to the California City General Plan, the closest fault to the City is the Garlock Fault, which lies approximately 5 miles west of the City's core, and 2.8-miles northwest of the project property. The nearest significant active fault is the San Andreas Fault Zone, which is located approximately 34 miles from the proposed site. As a result, California City has the potential to experience seismic shaking and seismic-related hazards.

Mitigation: No Mitigation Required

Monitoring: No Monitoring Necessary

11. Liquefaction Potential Zone

a) Be subject to seismic-related ground failure, including liquefaction?

Source: City of California City Municipal Code; City of California City Final General Plan 2009-2028; General Plan Safety Element; Department of Conservation; Project Materials.

Findings of Fact: The Safety Element in the California City General Plan states that liquefaction is the phenomenon in which loose, saturated, granular soils temporarily behave similarly to a fluid when subjected to high intensity ground shaking. Liquefaction occurs when three general conditions are present: shallow groundwater, low-density, silty or fine sandy soils, and high intensity ground motion. Areas of shallow groundwater have a higher susceptibility to liquefaction; however, the groundwater in the City ranges from approximately 315 to 400 feet below ground level, according to the Existing Sewer System Map (Figure 3 – Water Source Well #16 and Stand By Well #15A) in the 2018 California City Local Agency Management Program for Onsite Wastewater Treatment Systems (OWTS), which results in a negligible impact from the effects of liquefaction.

Per the findings within the California City General Plan, the potential for liquefaction occurring at the project site is considered low. Less than significant impacts are anticipated.

Mitigation: No Mitigation Required

Monitoring: No Monitoring Necessary

12. Ground-shaking Zone

a) Be subject to strong seismic ground shaking?

Source: City of California City Municipal Code; City of California City Final General Plan 2009-2028; General Plan Safety Element; Department of Conservation; Project Materials.

Findings of Fact: As the Project is in southern California, it is likely that the project site will experience at least one moderate to severe earthquake and associated seismic shaking during the Project useable life, as well as periodic slight to moderate earthquakes. In order to ensure the safety of the project site, the proposed cultivation facility shall be constructed in a manner that reduces the risk of seismic hazards

Potentially Significant Impact	Less than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
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(Title 24, California Code of Regulations). Standard Conditions of Approval require compliance with the most current seismic design coefficients and ground motion parameters and all applicable provisions of the 2019 California Building Code (CBC).

Mitigation: No Mitigation Required

Monitoring: No Monitoring Necessary

13. Landslide Risk

a) 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, collapse, or rockfall hazards?

Source: City of California City Municipal Code; City of California City Final General Plan 2009-2028; General Plan Safety Element; Department of Conservation; Project Materials.

Findings of Fact: The California City Slope of Terrain Map in the General Plan (Figure 6-4) classifies the project site's location as having a 0 to 15 percent slope. The City lists two notable slopes within the City being Galilee Hill and Twin Buttes, approximately 15-miles northeast and 6-miles southeast of the project site, respectively. Moreover, there are no significant slopes proposed as part of the proposed development; either on-site or being affected through any off-site grading activities. Based upon the Project's associated earthmoving activities, it is concluded that risks associated with slope instability at the project property are considered low to negligible. In that vein, potential hazards associated with landslide risks are unlikely at the project site and less than significant impacts are anticipated.

Mitigation: No Mitigation Required

Monitoring: No Monitoring Necessary

14. Ground Subsidence

a) 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 ground subsidence?

Source: City of California City Municipal Code; City of California City Final General Plan 2009-2028; General Plan Safety Element; Department of Conservation; Project Materials.

Findings of Fact: The Safety Element in the California City General Plan states that land subsidence is the gradual, local settling or sinking of the earth's surface with little or no horizontal motion. Although a seismic event can trigger subsidence, it can also occur because of gas, oil, or water extraction, hydrocompaction, or peat oxidation. The southern portion of the Planning Area has been undergoing gradual land subsidence, with up to four feet of subsidence over a 40-year period. Although subsidence is not a significant hazard damage to wells, foundations, and underground utilities may occur. The Project site is in the central to western portion of the City and is not as greatly affected by ground subsidence as those properties located in the southern portions of the City. Per the findings within the California City General Plan and the project-specific Geotechnical Investigation, the potential for ground subsidence occurring at the project site is considered low. Less than significant impacts are anticipated.

Mitigation: No Mitigation Required

Monitoring: No Monitoring Necessary

	Potentially Significant Impact	Less than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
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15. Other Geologic Hazards

a) Be subject to geologic hazards, such as seiche, mudflow, or volcanic hazard?

Source: City of California City Municipal Code; City of California City Final General Plan 2009-2028; General Plan Safety Element; Department of Conservation; Project Materials.

Findings of Fact: The property is not subject to any additional geological hazard such as seiche, mudflow, or volcanic hazard. As stated herein, the property is not located near, or within the general vicinity of a lake or partially enclosed body of water which would be affected by oscillation in the water level (e.g., seiche). As stated in the section on landslide risks, for which mudflow would be a concern. Lastly, the Project is not located near or within a volcano.

Mitigation: No Mitigation Required

Monitoring: No Monitoring Necessary

16. Slopes

a) Change topography or ground surface relief features?

b) Create cut or fill slopes greater than 2:1 or higher than 5 feet?

c) Result in grading that affects or negates subsurface sewage disposal systems?

Source: City of California City Municipal Code; City of California City Final General Plan 2009-2028; General Plan Safety Element; Department of Conservation; Project Materials.

Findings of Fact: As stated in section 14a), previously, the California City Slope of Terrain Map in the General Plan (Figure 6-4) classifies the project site's location as having a 0 to 15 percent slope, which is the category of least slope available in the City's General Plan. The Project does not propose to alter or modify the topography or ground surface feature in a way that will substantially alter the topography or ground surface relief features; including changes that will possibly impact the operation of subsurface sewage disposal systems. The Project also does not propose to create cut or fill slopes greater than 2:1 or higher than 30-feet; therefore, risks associated with irregular or excessive slopes are considered negligible.

Mitigation: No Mitigation Required

Monitoring: No Monitoring Necessary

17. Soils

a) Result in substantial soil erosion or the loss of topsoil?

b) Be located on expansive soil, as defined in Section 1802.3.2 of the California Building Code (2007), creating substantial risks to life or property?

c) Have soils incapable of adequately supporting use of septic tanks or alternative wastewater disposal systems

Potentially Significant Impact	Less than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
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where sewers are not available for the disposal of wastewater?

Source: City of California City Municipal Code; City of California City Final General Plan 2009-2028; General Plan Safety Element; Department of Conservation; Project Materials.

Findings of Fact: As expansive soils dry, the soil shrinks; when moisture is reintroduced into the soil, the soil swells. To reduce post-construction soil movement and provide uniform support for the buildings to be constructed at the subject site, over excavation and recompaction within the proposed building footprint areas should be performed to a minimum depth of five (5) feet below existing grades or three (3) feet below bottom of the proposed footing, whichever is deeper. Any undocumented fill encountered during grading should be removed and replaced with engineered fill. Compliance with the City's General Plan Safety Element, construction of underground utilities will be required to interconnect to the extent available. According to the *City Sewer Density Zone Map* (Figure 4), of the City's Local Agency Management Plan (LAMP) and Figure 7, *Existing Sewer System* the Project is not located within a Sewer Density Zone but is located zone 38 (TR 2121). As such, sewer facilities are anticipated in the future; however, the timing of which is undetermined. Therefore, approval of an OWTS is required prior to the issuance of a building permit.

The construction site plan will utilize a portable toilet service in compliance with industry regulations until the construction of the permanent facilities and connection to the existing infrastructure. Design for all disposal systems shall comply with industry regulations, as well as the standards outlined in Title 7, Chapter 2 within California City Municipal Code. No septic systems are proposed. Less than significant impacts are anticipated.

Mitigation: No Mitigation Required

Monitoring: No Monitoring Necessary

18. Erosion				
a) Change deposition, siltation, or erosion that may modify the channel of a river or stream or the bed of a lake?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
b) Result in any increase in water erosion either on or off site?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Source: City of California City Municipal Code; City of California City Final General Plan 2009-2028; General Plan Safety Element; Department of Conservation; Project Materials.

Findings of Fact: The project is located within the Mojave Desert Air Basin (MOAB), under the jurisdiction of the Eastern Kern Air Pollution Control District (EKAPCD). Air quality within this region is influenced by the regional climate as well as the temperature, wind, humidity, precipitation, and amount of sunshine. California City is in the high desert with an elevation range of 2,500 to 4,000 feet above sea level. Its climate is semi-arid, rainfall for the area is less than 6 inches annually, which provides for warm, dry weather in the summer and mild cooler weather in the winter.

The California City Erosion Hazards Map (Figure 6-3) within the General Plan displays most of the City, including the project site, is in an area with none to slight erosion hazards. As previously stated, the project site resides within the Eastern Kern Air Pollution Control District, therefore must comply with the District's Regulation IV, Rule 402. The purpose of this Rule is to prevent, reduce and mitigate

Potentially Significant Impact	Less than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
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ambient concentrations of anthropogenic fugitive dust emissions to an amount sufficient to attain and maintain the National Ambient Air Quality Standards (NAAQS) and California Ambient Air Quality Standards (CAAQS). According to Regulation IV, Rule 402, the project shall implement one or more fugitive dust emission control strategies, to limit visible dust emissions (VDE) to no more than 20-percent opacity or meet the conditions for a stabilized surface. Some control strategies include applying dust suppressants, controlling vehicular speed, using water trucks, and implementing track-out avoidance measures. The implementation of the fugitive dust emission control strategies will ensure the reduction of ambient concentrations of fine particulate matter (PM_{2.5}) by reducing or mitigating anthropogenic fugitive dust emissions.

In addition to the Dust Control Plan, the project site is also required to implement a Stormwater Pollution Prevention Plan (SWPPP) during the construction of the project, to comply with Environmental Protection Agency (EPA) and the National Pollutant Discharge Elimination System (NPDES). The purpose of the SWPPP is to develop a strategy for construction projects to minimize sediment and other pollutants that may be expected to affect the quality of storm water discharges associated with project development. The development and implementation of the SWPPP during project construction will ensure that potential sources of pollution are identified and mitigated through the application of best management practices (BMPs), such as concrete washouts or secondary containment areas, further discussed in the Hydrology Section of this document.

Impacts of windborne and waterborne soil erosion at the project site will be controlled during project operation after adequate paving, landscaping, and other means of stabilization is incorporated. The proposed plan indicates that offsite run-on to the site is collected and conveyed through to retention basins in-between buildings, and underground retention facilities under the eastern parking lots, to avoid onsite flooding. The drainage condition of the project site is subject to the completion of percolation/infiltration studies conducted during the grading process. If infiltration is infeasible, the Regional Water Quality Control Board Guidebook requires compliance with secondary or tertiary treatment measures. Upon completion of the project, the site intends to have both hardscape and softscape surfaces including the main industrial building and Project site landscaping including irrigation, surrounding the buildings and project perimeter. Following the implementation of the fugitive dust emission control strategies and the SWPPP, as well as the compliance with the adopted procedures for grading, erosion at the project site is anticipated to be less than significant.

Compliance with the City's General Plan Safety Element, construction of underground utilities will be required to interconnect to the extent available. According to the *City Sewer Density Zone Map* (Figure 4), of the City's Local Agency Management Plan (LAMP) and Figure 7, *Existing Sewer System* the Project is not located within a Sewer Density Zone but is located zone 38 (TR 2121). As such, sewer facilities are anticipated in the future; however, the timing of which is undetermined. Therefore, approval of an OWTS is required prior to the issuance of a building permit.

The construction site plan will utilize a portable toilet service in compliance with industry regulations until the construction of the permanent facilities and connection to the existing infrastructure. Design for all disposal systems shall comply with industry regulations, as well as the standards outlined in Title 7, Chapter 2 within California City Municipal Code. No septic systems are proposed. Less than significant impacts are anticipated.

- Mitigation: No Mitigation Required
- Monitoring: No Monitoring Necessary

	Potentially Significant Impact	Less than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
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19. Wind Erosion and Blowsand from Project either on or off site.

a) Be impacted by or result in an increase in wind erosion and blowsand, either on or off site?

Source: City of California City Municipal Code; City of California City Final General Plan 2009-2028; General Plan Safety Element; Department of Conservation; Project Materials.

Findings of Fact: Impacts of windborne and waterborne soil erosion at the project site will be controlled during project operation after adequate paving, landscaping, and other means of stabilization is incorporated. Upon completion of the project, the site intends to have both hardscape and softscape surfaces including the industrial and manufacturing uses building, and landscaping (consisting of decomposed granite with soil stabilizers) surrounding the buildings and project perimeter. Following the implementation of the fugitive dust emission control strategies and the SWPPP, as well as the compliance with the adopted procedures for grading, erosion at the project site is anticipated to be less than significant.

Mitigation: No Mitigation Required

Monitoring: No Monitoring Necessary

20. Paleontological Resources

a) Directly or indirectly destroy a unique paleontological resource, or site, or unique geologic feature?

Source: City of California City Municipal Code; City of California City Final General Plan 2009-2028; General Plan Safety Element; Project Materials.

Findings of Fact: The approximately 2.25-acre project site is characterized by relatively flat, undisturbed desert land, with scattered vegetation. The project is in the M-1 (Light Industrial Zoning District) within the City of California City. The site is not recognized as a unique paleontological or a unique geologic feature. However, per the California City General Plan, if a unique paleontological resource or site or unique geologic feature are found during excavation, all work will be suspended until the area has been thoroughly examined.

Mitigation: No Mitigation Required

Monitoring: No Monitoring Necessary

GREENHOUSE GAS EMISSIONS Would the Project

21. Greenhouse Gas Emissions

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?

Source: City of California City Municipal Code; City of California City Final General Plan 2009-2028; General Plan Safety Element; Project Materials.

Potentially Significant Impact	Less than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
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Findings of Fact: Greenhouse Gas (GHG) is a gaseous compound in the earth's atmosphere that is capable of absorbing infrared radiation, thereby trapping and holding heat in the atmosphere. Common greenhouse gases in the earth's atmosphere include water vapor, carbon dioxide (CO₂), methane (CH₄), nitrous oxide (NO_x), ozone, and to a lesser extent chlorofluorocarbons. Carbon dioxide is the main GHG thought to contribute to climate change. In response to growing concern for long-term adverse impacts associated with global climate change, California's Global Warming Solutions Act of 2006 (AB 32) requires California Air Resource Board (CARB) to reduce statewide emissions of greenhouse gases to 1990 levels by 2020. In 2021, Governor Jerry Brown signed Senate Bill 32 (SB32) that requires California to reduce GHG emissions to 40 percent below 1990 levels by 2030. In general, the Project will generate GHG emissions through Project-related area sources, energy usage, mobile sources, solid waste disposal, water usage, and wastewater treatment.

The proposed industrial and manufacturing facility will add a new land use, and as a result, an expected increase in operational greenhouse gas emissions is expected. The square-footage of the proposed industrial and manufacturing uses is anticipated to generate approximately 956.28 MMTCO_{2e} annually, which is substantially less than the 3,000 MMTCO_{2e} which is identified in the CARB Scoping Plan. The project will operate under the mandatory regulations found in the most recent Cal Green Building Standards Code for non-residential uses.

California's Global Warming Solutions Act of 2006 (AB32) requires California to reduce its GHG emissions to 1990 levels by 2020. California Air Resource Board (CARS) has identified measures to achieve this goal as set forth in the CARB Scoping Plan. The EKAPCD adopted the interim GHG significance threshold for stationary/industrial sources on December 5, 2008 which applies to Projects where the EKAPCD is the lead agency. SB 32 adopted in 2021 requires the state to reduce statewide GHG emissions to 40% below 1990 levels by 2035, a reduction target that was first introduced in Executive Order B-10-15. The project will reduce its GHG emissions to the maximum extent feasible through energy conservation measures and implementation of the current California Green Building Standards Code in addition to the use of natural light for plant growth and water efficient irrigation for plans and landscape design. The project will not interfere with the state's implementation of AB 32 or SB 32. As previously indicated, the project would not exceed the air basin threshold, therefore the project's GHG emissions would not conflict with plans and policies adopted for reducing GHGs emissions. Less than significant impacts are expected.

Mitigation: No Mitigation Required

Monitoring: No Monitoring Necessary

HAZARDS AND HAZARDOUS MATERIALS Would the Project

22. Hazards and Hazardous Materials	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
a) Create a significant hazard to the public or the environment through the routine transport, use, or disposal of hazardous materials?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
b) Create a significant hazard to the public or the environment through reasonably foreseeable upset and accident conditions involving the release of hazardous materials into the environment?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

	Potentially Significant Impact	Less than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
c) Impair implementation of or physically interfere with an adopted emergency response plan or an emergency evacuation plan?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
d) Emit hazardous emissions or handle hazardous or acutely hazardous materials, substances, or waste within one-quarter mile of an existing or proposed school?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
e) Be located on a site which is included on a list of hazardous materials sites compiled pursuant to Government Code Section 65962.25 and, as a result, would it create a significant hazard to the public or the environment?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Source: City of California City Municipal Code; City of California City Final General Plan 2009-2028; General Plan Safety Element; Project Materials.

Findings of Fact: The project site is approximately 2.25-acres (gross) of vacant desert land and proposes to construct a 48,989 SF industrial and manufacturing uses. The project will not involve the use or storage of hazardous materials other than organic certified fertilizers and California approved natural pesticides and fungicides. These materials will be stored and applied according to manufacturer's instructions to mitigate the potential for incidental release of hazardous materials or explosive reactions.

The Code of Federal Regulations (CFR Title 40, Part 261) defines hazardous materials based on ignitability, reactivity, corrosivity, and/or toxicity properties. The State of California defines hazardous materials as substances that are toxic, ignitable, or flammable, reactive and/or corrosive, which have the capacity of causing harm or a health hazard during normal exposure or an accidental release. As a result, the use and management of hazardous or potentially hazardous substances is regulated under existing federal, state, and local laws. State law requires that cannabis, and cannabis-related waste products are properly disposed of through a qualified vendor. California City Municipal Code mirrors the same requirements, as such, operates of cannabis cultivation facilities will be required to contract with a qualified disposal service to effectuate the necessary disposal in compliance with state and local laws.

In addition, other hazardous waste materials, requiring special handling and disposal, must comply with applicable Cal-EPA, Cal-OSCHA, and MSDS protocols³ to reduce their potential to damage public health and the environment. Manufacturer's specifications also dictate the proper use, handling, and disposal methods for the specific substances. Construction of the project is expected to involve the temporary management and use of potentially hazardous substances and petroleum products. The nature and quantities of these products would be limited to what is necessary to carry out construction of the project. Some of these materials would be transported to the site periodically by vehicle and would be stored in designated controlled areas on a short-term basis. When handled properly by trained individuals and consistent with the manufacturer's instructions and industry standards, the risk involved with handling these materials is considerably reduced.

To prevent a threat to the environment during construction, the management of potentially hazardous materials and other potential pollutant sources will be regulated through the implementation of control measures required in the Stormwater Pollution Prevention Plan (SWPPP) for the project. The SWPPP requires a list of potential pollutant sources and the identification of construction areas where additional control measures are necessary to prevent pollutants from being discharged. Best Management

³ California Environmental Protection Agency (Cal-EPA); California Occupational Safety and Health Agency (Cal-OSHA); Material Data Safety Sheet (MSDS)

Potentially Significant Impact	Less than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
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Practices (BMPs) are necessary for *Material Delivery and Storage; Material Use; and Spill Prevention and Control*. These measures outline the required physical improvements and procedures to prevent impacts of pollutants and hazardous materials to workers and the environment during construction. For example, all construction materials, including paints, solvents, and petroleum products, must be stored in controlled areas and according to the manufacturer's specifications. In addition, perimeter controls (fencing with wind screen), linear sediment barriers (gravel bags, fiber rolls, or silt fencing), and access restrictions (gates) would help prevent temporary impacts to the public and environment. Implementation is ensured through the filing of a Notice of Intent (NOI), with the State Regional Water Quality Control Board – Region 5F and the production of a SWPPP to be reviewed and approved by the City's Public Works Department. With such standard measures in place, less than significant impacts are anticipated during construction.

Implementation Measure S-7, within the California City's General Plan states that the City shall require commercial and industrial businesses to meet the procedures for the proper transport, use, storage and disposal of hazardous waste as required by the Kern County Waste Management Department, the California City Fire Department, and Kern County Department of Environmental Health Services. Additionally, the California City Fire Department shall require a detailed chemical inventory in accordance with the fire code to determine the hazards and classifications of the materials used in the proposed cannabis cultivation facility. Less than significant impacts related to the routine transport, use or disposal of hazardous materials are expected.

The project site is located within the M-1 (Light Industrial and Research) Zoning District of the City that is naturally segregated from residential neighborhoods or other densely populated land uses. As previously discussed, the project is not expected to handle any significant quantities of hazardous materials. Any other use of potentially hazardous substances, is expected to occur in small quantities and managed on-site with the proper containment and facilities, as required by the fire department and other applicable industry standards.

The Safety Element, within the California City General Plan, addresses safety within the City through goals, policies, and implementation measures that seek to reduce the potential for the loss of life, injuries and property damage associated with natural and human-induced hazards. California City is served by a single Fire Department and Police Department within their City boundaries. The California City Fire Department is located at 20890 Hacienda Boulevard, approximately five (5) driving miles southeast of the Project site. The California City Fire Station is staffed by three full-time fire fighters on a 24-hour basis, including a captain, engineer, and fire fighter; however, the Fire Department is designed to be staffed by nine fire fighters. The California City Fire Station has two part-time, seven reserves, and five Fire Department Volunteer positions that City Council has authorized. The fire department is equipped with one wildland patrol unit, one wildland/interface engine, one water tender, and two full-sized fire engines. In addition to fire suppression, additional services the department provides includes Paramedic Advanced Life Support, fire prevention, public education, fire hydrant maintenance, hazardous materials response, nuisance abatement, flood response and aircraft crash and arson investigation. According to the National Fire Protection Association (NFPA), the recommended dispatch-to-arrival time is five (5) minutes, on 90-percent (%) of calls. The California City Fire Department has mutual aid agreements with the Kern County Fire Department, the East Kern Airport District Fire Department, and the Bureau of Land Management. Police protection services within the City are provided by the City's Police Department, located at 2020 Hacienda Boulevard, approximately four (4) driving miles southeast of the project site.

Potentially Significant Impact	Less than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
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The Kern County Coroner's services are provided through the County by the Sheriff's Department and the court system and jails are operated and maintained by Kern County.

The project site proposes improvements to Willow Ave. (include a newly proposed curb-and-gutter) and accessing the project site from Willow Ave. Primary access intends to be located on the northerly portion of the property, adjacent and south of Willow Ave., which follows a general circulation pattern as an east-west major highway as shown on the City's General Plan Circulation Element. The site plan configuration of the proposed development includes fire truck accessible drive aisles and a two-way driveway to ensure adequate emergency response access on-site. The proposed design would be subject to a standard review process by the Fire Department to ensure that the site-specific emergency access, water pressure, and other pertinent criteria are met by the project. Less than significant impacts are expected.

Toxic cleaning compounds, sanitizing agents, solvents, and potentially flammable materials may also be involved within the proposed facilities. The use of these products would also be subject to the manufacturer's specifications, as well as local, state, and federal regulations that would help protect against accidental release, explosive reactions, injury, and contamination. The project operator would be required to provide the proper storage facilities and containers designed to protect and isolate these substances, therefore minimizing the threat to the public or the environment. Facility employees shall be trained on safety rules to prevent personal or public risk. Solid waste produced by the project will be stored in a designated staging area with enclosures and less than significant impacts are expected.

Mitigation: No Mitigation Required

Monitoring: No Monitoring Necessary

	Potentially Significant Impact	Less than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
23. Airports				
a) Result in an inconsistency with an Airport Master Plan?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
b) Require review by the Airport Land Use Commission?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
c) For a Project located within an airport land use plan or, where such a plan has not been adopted, within two miles of a public airport or public use airport, would the Project result in a safety hazard for people residing or working in the Project area?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
d) For a Project within the vicinity of a private airstrip, or heliport, would the Project result in a safety hazard for people residing or working in the Project area?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Source: City of California City Municipal Code; City of California City Final General Plan 2009-2028; General Plan Safety Element; Caltrans Aeronautics Handbook, Project Materials.

Findings of Fact: The California City Municipal Airport, located north of the project property, spans over 200-acres within the City. The Kern County Airport Land Use Compatibility Plan maps five zones; related to noise and safety levels, for each airport under their jurisdiction. According to this Plan, the project site is not located within California City's Airport Influence Area. The Kern County Airport Land Use Commission shall restrict the height of buildings, structures, appurtenances, plants, and trees to not more than 35-feet above ground level (unless approved by the Federal Aviation Administration)

Potentially Significant Impact	Less than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
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to prevent a hazard to the safe landing or take-off of aircrafts. In addition, the Project is located outside of the 65 CNEL noise contour zone. According to the 2011 Kern County Airport Land Use Compatibility Plan the project is located outside of the Airport Influence Area (AIA) of the California Municipal Airport, therefore the project does not present an inconsistency with the prescribed land uses already determined to be compatible with the Airport's CLUP.

Additionally, the Federal Aviation Administration (FAA) may require review of structures in excess of 55-feet height, measured from the Mean Sea Level (MSL) of the Airport. However, the proposed use does not currently propose buildings or structures that will exceed this height restriction. Therefore, a less than significant impact will occur.

The project is not subject to the Airport AIA as it is not located within AIA. Less than significant impacts are anticipated. The project is not located in the vicinity of a private airstrip. No impacts are anticipated.

Mitigation: No Mitigation Required

Monitoring: No Monitoring Necessary

24. Hazardous Fire Area

a) Expose people or structures to a significant risk of loss, injury or death involving wildland fires, including where wildlands are adjacent to urbanized areas or where residences are intermixed with wildlands?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
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Source: City of California City Municipal Code; City of California City Final General Plan 2009-2028; General Plan Safety Element; Chapter 8 – State Hazard Mitigation Plan (SHMP), Project Materials.

Findings of Fact: The California City General Plan indicates that major wildland fires are uncommon within the City area due to the vegetation type, the sparseness of the vegetation and the lack of available ground fuel. According to Chapter 8, of the SHMP, the Project, and its surroundings, are located outside of the Very High and High Fire Hazard Severity Zone (FHSZ) for Local Responsibility Area and outside of the Very High/High/Moderate FHSZ for State and Federal Responsibility Areas.

As mentioned previously, the California City Fire Department is located at 20890 Hacienda Boulevard, approximately five driving miles southeast of the project site. Additionally, the City has a mutual aid agreement with Kern County Fire Department, the East Kern Airport District Fire Department, and the Bureau of Land Management. Less than significant impacts related to wildland fire are expected.

Mitigation: No Mitigation Required

Monitoring: No Monitoring Necessary

HYDROLOGY AND WATER QUALITY Would the Project

25. Water Quality Impacts

a) Substantially alter the existing drainage pattern of the site or area, including the alteration of the course of a stream or river, in a manner that would result in substantial erosion or siltation on- or off-site?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
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b) Violate any water quality standards or waste discharge requirements?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
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c) Substantially deplete groundwater supplies or interfere substantially with groundwater recharge such that	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
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	Potentially Significant Impact	Less than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
there would be a net deficit in aquifer volume or a lowering of the local groundwater table level (e.g., the production rate of pre-existing nearby wells would drop to a level which would not support existing land uses or planned uses for which permits have been granted)?				
d) Create or contribute runoff water that would exceed the capacity of existing or planned stormwater drainage systems or provide substantial additional sources of polluted runoff?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
e) Place housing within a 100-year flood hazard area, as mapped on a federal Flood Hazard Boundary or Flood Insurance Rate Map or other flood hazard delineation map?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
f) Place within a 100-year flood hazard area structures which would impede or redirect flood flows?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
g) Otherwise substantially degrade water quality?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
h) Include new or retrofitted stormwater Treatment Control Best Management Practices (BMPs) (e.g., water quality treatment basins, constructed treatment wetlands), the operation of which could result in significant environmental effects (e.g. increased vectors or odors)?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Source: City of California City Municipal Code; City of California City Final General Plan 2009-2028; General Plan Safety Element; Chapter 8 – State Hazard Mitigation Plan (SHMP), Project Materials.

Findings of Fact: The proposed project is located within the Fremont Hydrologic Unit of the South Lahontan Basin in the Lahontan Region 6V (https://www.waterboards.ca.gov/waterboards_map.html). Within Region 6V, the approved Water Quality Control Plan, prepared by SWRCB, provides guidelines for protecting the beneficial uses of state waters within the Region by preserving and protecting their water quality. The project site is located within the Fremont Hydrologic Unit. The receiving water is the Kohen Dry Lake. Beneficial uses of Kohen Lake includes municipal and domestic supply, agricultural supply, industrial process supply, industrial service supply, groundwater recharge, water contact recreation, noncontact water supply, warm freshwater habitat, Inland saline water habitat and wildlife habitat.

According to the California City 2009 Final Environmental Impact Report (SCH # 1992062069), the only named blue line stream is identified as Cache Creek, which runs through California City from the west towards the northeast, and eventually terminates just south of the Koehn Lakebed outside of the City boundary. Cache Creek lies approximately 6.5-miles south of the project property, and Koehn Lakebed is approximately 11-miles northeast of the project site. The nature and size of the proposed development prompts compliance requirements with the existing regulations pertaining to water quality standards and waste discharge requirements.

The proposed project will result in temporary and permanent disturbance in an area that nearly encompasses one acre in gross area. As a precautionary measure, the developer will comply with the State's most current Construction General Permit (CGP). Compliance with the CGP involves the development and implementation of a project-specific Storm Water Pollution Prevention Plan (SWPPP) designed to reduce potential adverse impacts to surface water quality during the period of construction. The required plan will identify the locations and types of construction activities requiring Best Management Practices (BMPs) and other necessary compliance measures to prevent soil

Potentially Significant Impact	Less than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
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erosion and stormwater runoff pollution. The plan will also identify the limits of allowable construction-related disturbance to prevent any off-site exceedances or violations.

During construction, the project will also be required to comply with the Eastern Kern Air Pollution Control District (EKAPCD) Rule 402, which requires the project property to implement fugitive dust emission control strategies. Implementation of the control strategies primarily pertains to air quality, but also supports water quality protection through the requirement of soil stabilization measures to prevent sediment erosion and track-out. The concurrent implementation of the required SWPPP and fugitive dust emission control strategies will prevent the potential construction-related impacts to water quality at the site and its surroundings, therefore resulting in less than significant impacts.

The project will be designed with on-site stormwater detention facilities that, during the life of the project, will comply with the City's drainage requirements by preventing site discharge and transport of untreated runoff. The project will be required to comply with the most current State standards, as well as the standards outlined in the City of California City Urban Water Management Plan and the Water Quality Control Plan for Lahontan Region (Region 6V). Per the project-specific Final Hydrology Report, current drainage requirements for this project fall under the jurisdiction of the City of California City, which requires the entirety of the storm water from the 5-year, 5-day storm to be retained onsite. The site plan, grading design, storm drain design, and retention facilities of the project must be factored in the project-specific WQMP development and documentation. Runoff from throughout the impervious surfaces (buildings, hardscape, and pavement) of each drainage management area will be conveyed via surface and piped flows to either corresponding underground retention chambers or retention basins. Each of the retention basins and underground facilities will be sized to retain the incremental increase between the pre-development and post-development volume per City requirements.

As proposed, the stormwater retention and management strategy are expected to comply with local and regional requirements for protecting surface water quality and preventing waste discharge violations. Less than significant impacts are expected. According to the California City Water Master Plan, California City obtains its water from five groundwater wells and an imported surface water supply from the Antelope Valley-East Kern Water District (AVEK). As previously mentioned, the Project is located within the Fremont Valley Groundwater Basin (FVGB). Historic water levels of groundwater wells between 1955 and 1958 indicates that the FVGB is a closed groundwater basin (without subsurface outflow). Long term groundwater level data obtained from the USGS Ground Water Data water levels indicated the groundwater levels in the FVGB have declined significantly since 1955, probably due to the prolonged drought period from 1945 to 1964 and excessive groundwater extraction in the FVGB in the late 1950s, 1960s and 1970s. The most important storage system is the groundwater aquifer, which holds water at a depth of approximately 250 to 290-feet below ground surface.

According to the California City General Plan, the City primarily relies on underground water supplies. Groundwater wells in California City produced over 93-percent (%) of the water supply in 2000 to 2001. Per the Urban Water Management Plan, water source well #14 is the closest facility within the vicinity of the project site and is located on Lindbergh Boulevard, north of Redwood Avenue, which is less than 1.5-miles to northeasterly of the Project site. According to the General Plan, future water demands will be met by the construction of five new water wells and through additional groundwater purchases within the Antelope Valley-East Kern Water (AVEK) District.

Potentially Significant Impact	Less than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
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The California City Municipal Code also outlines the importance of water conservation (California City Municipal Code Chapter 1, Article 4, Section 7-1.431). Within this code, the City states that water conservation is a goal of high importance to be consistent with State of California and City legal responsibilities to the utilization of water resources. All irrigation within the City complies with the State Model Water Efficiency Landscape Ordinance (MWELO) and City Municipal Code that implement water efficiency standards. Additional conservation efforts include the use of drought tolerant landscaping, and new, low- flowing plumbing fixtures. Water conserving fixture installations shall be subject to compliance inspection, prior to issuance of final occupancy permits, for the industrial facility. Given the use, and projected low water and wastewater demands, the Project not expected to interfere with groundwater recharge conditions. The project includes both underground retention facilities and retention basins, designed to collect and provide sufficient storage for the 5-year and 5-day storm event. This method of stormwater management will therefore facilitate groundwater recharge through infiltration. Infiltration opportunities are also provided in the form of BMPs and pervious cover areas in and landscaping design within sufficient densities that will mitigate excess evaporation and evapotranspiration. To support this conclusion, an infiltration report was prepared and yielded infiltration rates at 2-inches per hour. Since most soils, within the Project site, are a combination of Soil Types 2 and 3, the infiltration rates identified are within the maximum thresholds required by Table 4.0, contained within the City's Local Agency Management Program for Onsite Wastewater Treatment Systems (2018). Less than significant impacts are expected.

The proposed project is in the M-1 (Light Industrial Zoning District); which by designation under the California City Zoning Map is allocated to support general and specialty industrial and manufacturing uses facilities, including cannabis cultivation and manufacturing facility. The general vicinity surrounding the Project area also includes undeveloped properties with relatively flat topography and scattered vegetation, like that found on the Project site. The local hydromorphology is influenced by the presence of intermittent surface drainages originating from the mountains to the west and carrying flows predominantly in a northeasterly direction toward the valley floor. In particular, the project setting, and most of the City's light industrial zone occur between the Cache Creek and Koehn Lakebed. Cache Creek is located approximately four miles upstream of the project, and Koehn Lakebed is approximately 11 miles northeast of the project site.

In this context, the project has a Zone X FEMA designation, defined as areas determined to be outside the 0.2-percent (%) annual chance floodplain. The current Zone X designation encompasses most of the City's undeveloped and developed properties within the vicinity of the Municipal Airport. Project implementation would involve permanent site improvements introducing impervious surfaces in the form of buildings, paving, and hardscape to the previously undeveloped (pervious) land. The size and scope of the Project dictates a low impact development site plan, which does not utilize the entire property to accommodate the proposed facilities and operations through the construction of buildings, parking lot, drive aisles, etc. As a result, opportunities to minimize imperviousness using landscaping, natural areas or other pervious surfaces are ample and are subsequently integrated into Project site plan. To prevent changes to local drainage conditions (patterns, quantities, or velocities) and adverse erosion and sedimentation impacts, the Project will implement a storm drain design with flood control facilities sized to handle the project-specific conditions.

The proposed grading and hydrology improvement plans will be subject to review and approval by the City and Kern County Floodplain Management Division to ensure that the proposed grading and drainage conditions are acceptable to the City standards. As a result, following implementation of an

Potentially Significant Impact	Less than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
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approved grading plan, the project is not anticipated to alter any local drainage course, stream, or wash in a manner that would result in erosion or siltation on- or off-site. Following the standard regulations and project design features, less than significant impacts are expected related to the existing drainage patterns and erosion or siltation conditions. The National Wetlands Inventory, from the USFWS, indicates that there is evidence of an intermittent riverine/riparian feature that is located east of the project site, which is also easterly from the future extension of Willow Ave., but is well off-site of the proposed Project. A riverine, as defined by the National Wetlands Inventory, includes all wetlands and deepwater habitats contained within a channel, except for: wetlands dominated by trees and shrubs, and habitats with water containing ocean derived salts of 0.5 ppt or greater. However, the intermittent riverine is not considered waters of the United State because it does not connect to another source of water and furthermore is not connected with the Project site.

The proposed project would introduce impervious surfaces (hardscape, asphalt, rooftops, etc.) to a presently undeveloped (pervious) ground condition. In particular, the Project anticipates developing over 50-percent (%) of the project site with impervious materials and coverage. This conversion would typically result in a site-specific increase in the rate and quantity of surface runoff. To manage this on-site condition, the project includes a proposed storm drain design (subject to approval by the City Engineer) with surface and piped conveyances draining into retention basins and underground retention structures. The retention basins and facilities will be required to incorporate a capacity to accept and infiltrate the worst-case increase in runoff volume for the 5-year and 5-day storm event.

Furthermore, the project involves street improvements including curb and gutter at the Willow Ave. frontage. This aspect of the Project will introduce engineered surface stability to the previously unimproved road shoulders by intercepting and properly conveying off-site flows toward the existing and future street improvements. Less than significant impacts are expected.

Mitigation: No Mitigation Required

Monitoring: No Monitoring Necessary

26. Floodplains

Degree of Suitability in 100-Year Floodplains. As indicated below, the appropriate Degree of Suitability has been checked.

NA - Not Applicable U - Generally Unsuitable R - Restricted

a) Substantially alter the existing drainage pattern of the site or area, including through the alteration of the course of a stream or river, or substantially increase the rate or amount of surface runoff in a manner that would result in flooding on- or off-site?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
b) Changes in absorption rates or the rate and amount of surface runoff?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
c) Expose people or structures to a significant risk of loss, injury or death involving flooding, including flooding as a result of the failure of a levee or dam (Dam Inundation Area)?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
d) Changes in the amount of surface water in any water body?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Potentially Significant Impact	Less than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
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Source: City of California City Municipal Code; City of California City Final General Plan 2009-2028; General Plan Safety Element; Chapter 8 – State Hazard Mitigation Plan (SHMP), Chapter 7 – Hydrologic Soil Groups: USDA, Natural Resources Conservation Service (NRCS); Project Materials.

Findings of Fact: The Project includes stormwater capture, detention, and on-site treatment that will prevent any substantial increase in the rate, velocity, or quantity of runoff generated from the Project as compared to the existing undeveloped, and pervious, site condition. Runoff, from the Project, that exceeds the 5-year, 5-day storm runoff volume for post-development conditions will discharge from the site in a way that perpetuates the existing drainage condition, which flows off-site to the northeast. The project includes approximately less than half-acre of proposed structures, driveways, parking, and hardscape (impervious areas) and approximately a quarter-acre of proposed landscape or open space (pervious areas). Runoff will be conveyed primarily via surface flows through biofiltration BMPs and eventually to storm drain inlets with inlet filters. The runoff will subsequently be directed to the detention basins or carried via proposed piped flow to the corresponding underground infiltration structures located under the drive aisles. The City will require that BMPs be incorporated into a Final WQMP, to be reviewed and approved by the City.

Through this required compliance, the project will prevent impacts to the local receiving waters and avoid violations to the established water quality standards and waste discharge requirements. Less than significant impacts relative to the substantial degradation of water quality are expected.

The Federal Emergency Management Agency (FEMA) evaluates potential flood hazards for the City. The FEMA Flood Insurance Rate Maps (FIRMs) serve as the basis for identifying those potential hazards and determining the need for and availability of federal flood insurance. According to FIRM panel 06029M-1920E, effective September 26, 2008, the entire project and its immediate surroundings are located within Zone X, identified as areas determined to be outside the 0.2% annual chance floodplain. As such, less than significant impacts are expected.

The project is not located near an existing levee or dam; therefore, no impacts are expected pertaining to this topic. The project is not located within a 5-year flood zone based on FEMA FIRM panel 06029M-1920E, effective September 26, 2008. Less than significant impacts are expected. The project site is not located near a body of water that would pose potential seiche or tsunami impacts. The project site is underlain by Hydrologic Soil Type "C", which is characterized for having a slow infiltration rate when thoroughly wet. Type "C" soils consist chiefly of moderately deep or deep, moderately well drained, or well drained soils that have moderately fine texture to moderately coarse texture. These soils have a moderate rate of water transmission. With the relatively shallow gradients that characterize the vicinity, the erosive nature and mudflow potential is reduced. As stated previously, the proposed site plan includes retention facilities sized to contain the 5-year, 5-day storm runoff volume for post-development conditions. Only flows more than the project's retention requirements would be allowed to exit the project area, therefore, less than significant impacts are expected.

The project site is not located near a body of water that would pose potential seiche or tsunami impacts. The project site is underlain by Hydrologic Soil Type "C", which is characterized for having a slow infiltration rate when thoroughly wet. Type "C" soils consist chiefly of moderately deep or deep, moderately well drained or well drained soils that have moderately fine texture to moderately coarse texture. These soils have a moderate rate of water transmission. With the relatively shallow gradients that characterize the vicinity, the erosive nature and mudflow potential is reduced.

Potentially Significant Impact	Less than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
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As stated previously, the proposed site plan includes retention facilities sized to contain the 5-year, 5-day storm runoff volume for post-development conditions. Only flows more than the project's retention requirements would be allowed to exit the project area, therefore, less than significant impacts are expected.

Mitigation: No Mitigation Required

Monitoring: No Monitoring Necessary

LAND USE/PLANNING Would the Project

	Potentially Significant Impact	Less than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
27. Land Use				
a) Result in a substantial alteration of the present or planned land use of an area?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
b) Affect land use within a city sphere of influence and/or within adjacent city or county boundaries?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Source: City of California City Municipal Code; City of California City Final General Plan 2009-2028

Findings of Fact: The proposed project site sits on 2.25 gross acres of vacant desert land, located at the southerly, and adjacent to, Willow Ave., easterly of Isabella Blvd., and northerly of Forest Blvd. The project proposes to 48,989 square-foot industrial, and manufacturing, uses facility in the City's (M-1) Light Industrial Zoning District. The Project proposal is consistent and authorized by Title 5: Chapter 6 and Title 9: Chapter 29, and the M-1 (Light Industrial Zoning District). The Project provides for an industrial and manufacturing uses; pursuant to the authorized uses set forth in the M-1 zone. As such, the Project is consistent with the planned land use zoning and land use patterns of the property and its surrounding property conditions.

Mitigation: No Mitigation Required

Monitoring: No Monitoring Necessary

	Potentially Significant Impact	Less than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
28. Planning				
a) Be consistent with the site's existing or proposed zoning?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
b) Be compatible with existing surrounding zoning?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
c) Be compatible with existing and planned surrounding land uses?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
d) Be consistent with the land use designations and policies of the General Plan (including those of any applicable Specific Plan)?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
e) Disrupt or divide the physical arrangement of an established community (including a low-income or minority community)?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Source: City of California City Municipal Code; City of California City Final General Plan 2009-2028

Findings of Fact: The Project proposes an industrial and manufacturing uses, which is consistent with the underlying M-1 (Light Industrial Zoning District). The surrounding zones are a combination of commercial and manufacturing; except for properties located to the west which is inclusive of an

Potentially Significant Impact	Less than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
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existing residential community. The Project is designed to reduce impacts upon adjacent sensitive receptors, to the extent they exist within the residentially zoned properties located to the east, by complying with the minimum 200-foot setback between cannabis cultivation buildings and existing residential zones. The Project is situated more than 1,700 linear feet to the west of the nearest residential zoning classification, which in this case is R-1. As such, impacts to the surrounding zoning patterns are negligible. Furthermore, the Project is consistent with the existing and surrounding land uses as it implements the designated land use of commercial. The surrounding land use patterns are compatible with the proposed Project. There are no established community patterns in the project vicinity that would be divided by the proposed project. Therefore, no impacts relative to the division of an established community is expected. As discussed previously, the M-1 (Light Industrial Zoning District), in which the project resides, is designated for service industrial and manufacturing uses and neighborhood commercial facilities and land uses, which do not have potential for detrimental impacts on surrounding properties. The 2.25 gross-acre project one (48,989 square foot) cannabis industrial and manufacturing uses which is permitted within M-1 (Light Industrial Zoning District) zone, according to California City Municipal Code Title 5 and 9 and is not located within a uniquely establishment community or area of interest. No impacts are anticipated to land use or planning zoning or land use standards.

Mitigation: No Mitigation Required

Monitoring: No Monitoring Necessary

MINERAL RESOURCES Would the Project				
29. Mineral Resources	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
a) Result in the loss of availability of a known mineral resource that would be of value to the region or the residents of the State?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
b) Result in the loss of availability of a locally important mineral resource recovery site delineated on a local general plan, specific plan or other land use plan?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
c) Be an incompatible land use located adjacent to a State classified or designated area or existing surface mine?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
d) Expose people or property to hazards from proposed, existing, or abandoned quarries or mines?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Source: City of California City Municipal Code; City of California City Final General Plan 2009-2028; General Plan Open Space and Conservation Element; Chapter 5; Figure 5-3: Mojave Desert Designated Areas Map; Project Materials.

Findings of Fact: According to Chapter 5, of the California City General Plan, the Kern County Mineral Resources GIS mapping resources, there are no mineral resources within the City’s General Planning Area. In the eastern portion of the Mojave Specific Plan, it contains areas with mineral resources consisting of several gravel pits. In the western portion of the North Edwards Specific Plan is a mineral extraction owned by Rio Tinto (Borax) Mine that is the world’s largest sodium borate deposit. This includes the world’s largest open pit borax mining operation (more than 600 feet deep) near the community of Boron. According to the California Geological Study (CGS) Mineral Land Classifications, no areas or sites of mineral resource and/or SMARA study areas exist on, or within the vicinity, of the Project site. The property is not listed as an active or historical mineral resources mine. In addition, the Project site is not located within an active or potential area of aggregate extraction pursuant to Map

Potentially Significant Impact	Less than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
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Sheet 52, which was updated in 2018 providing guidance on aggregate sustainability areas within the state. The nature of the project does not involve the extraction of mineral deposits. Construction of the proposed cultivation and processing facility would rely on existing local and regional aggregate resources from permitted facilities within the region. The project is not expected to result in a considerable extraction and/or loss of known mineral resources that are considered important to the region or residents of California. Additionally, there are no specific known mineral resource deposits or facilities on or near the project. No impacts are expected related to the loss of availability of known mineral resources. As previously discussed, there are no mineral resources within the City of California City. The closest mineral resource to California City is located in the City of Mojave, approximately 27 miles southwest of the project site. As determined in the previous discussion, the project site is located within an area that is not designated, has not been evaluated or studied, and is not historically known to contain mineral and/or aggregate deposits of value. This zone designation applies to areas of no known mineral occurrences where geologic information does not rule out either the presence or absence of significant mineral resources. Overall, the project site is not recognized as a mineral resource recovery site delineated in the City of California City General Plan or the resource maps prepared pursuant to SMARA. No impacts are expected.

Mitigation: No Mitigation Required

Monitoring: No Monitoring Necessary

NOISE Would the Project result in

Definitions for Noise Acceptability Ratings

Where indicated below, the appropriate Noise Acceptability Rating(s) has been checked.

NA - Not Applicable

A - Generally Acceptable

B - Conditionally Acceptable

C - Generally Unacceptable

D - Land Use Discouraged

30. Airport Noise

a) For a Project located within an airport land use plan or, where such a plan has not been adopted, within two miles of a public airport or public use airport would the Project expose people residing or working in the Project area to excessive noise levels?

NA A B C D

b) For a Project within the vicinity of a private airstrip, would the Project expose people that reside or work in the Project area to excessive noise levels?

NA A B C D

Source: City of California City Municipal Code; City of California City Final General Plan 2009-2028; California City Airport Master Plan and Airport Land Use Compatibility Plan.

Findings of Fact: The project site shall comply with the property development standards outlined in the California City Municipal Code for facilities located within the M-1 (Light Industrial Zoning District) (Municipal Code Title 21), and cannabis cultivation and manufacturing facility within the City (Municipal Code Article 28). The project is not located within the AIA of the California Municipal Airport; therefore, impact is anticipated to the airport operations. Therefore, less than significant impacts are anticipated.

Mitigation: No Mitigation Required

Potentially Significant Impact	Less than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
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Monitoring: No Monitoring Necessary

31. Railroad Noise

NA A B C D

Source: City of California City Municipal Code; City of California City Final General Plan 2009-2028; California City General Plan Noise Element.

Findings of Fact: The Project is not located near (or within the vicinity) of any railroad or rail spur. As such, no impact is anticipated to occur.

Mitigation: No Mitigation Required

Monitoring: No Monitoring Necessary

32. Highway Noise

NA A B C D

Source: City of California City Municipal Code; City of California City Final General Plan 2009-2028; California City General Plan Noise Element.

Findings of Fact: The property, is not located near, or within the vicinity, of a major highway. The City's Planning Area is particularly bounded by the State Highway 58, along its southern boundary and State Highway 14 as well along its western boundary. These highways are not located close enough to impact future patrons or employees of the Project.

Mitigation: No Mitigation Required

Monitoring: No Monitoring Necessary

33. Other Noise

NA A B C D

Source: City of California City Municipal Code; City of California City Final General Plan 2009-2028; California City General Plan Noise Element.

Findings of Fact: The property, is not located near (or within the vicinity) of another major source of noise. The City's Planning Area is particularly bounded by the State Highway 58, along its southern boundary and State Highway 14 as well along its western boundary. These highways are not located close enough to impact future patrons or employees of the Project.

Mitigation: No Mitigation Required

Monitoring: No Monitoring Necessary

34. Noise Effects on or by the Project

a) A substantial permanent increase in ambient noise levels in the Project vicinity above levels existing without the Project?

b) A substantial temporary or periodic increase in ambient noise levels in the Project vicinity above levels existing without the Project?

	Potentially Significant Impact	Less than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
c) Exposure of persons to or generation of noise levels in excess of standards established in the local general plan or noise ordinance, or applicable standards of other agencies?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d) Exposure of persons to or generation of excessive ground-borne vibration or ground-borne noise levels?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Source: City of California City Municipal Code; City of California City Final General Plan 2009-2028; California City General Plan Noise Element; FHWA Noise Barrier Design Handbook.

Findings of Fact: Noise is defined as unwanted sound that disrupts normal activities or that diminishes the quality of the environment. It is usually caused by human activity that adds to the existing acoustic setting of a locale. Noise is measured on a logarithmic scale of sound pressure level known as a decibel (dB). The human ear does not respond uniformly to sounds at all frequencies, being less sensitive to low and high frequencies than to medium frequencies that correspond with human speech. In response to this, the A-weighted noise level or scale has been developed to correspond better with peoples' subjective judgment of sound levels. This A-weighted sound level is called the "noise level" referenced in units of dB(A).

Land uses determined to be "sensitive" to noise as defined by the Kern County General Plan (KCGP) include residential areas, schools, hospitals, parks, and recreational areas, senior centers, and churches. The KCGP Noise Element sets a sixty 60-decibel dB(A) limit on exterior noise levels from stationary sources (i.e., non-transportation sources) at sensitive receptors. With the exception of periodic noise release from the California City Airport, the ambient noise level can be anticipated to occur below the maximum threshold established by City Ordinance. The Noise Control Ordinance in the Kern County Code of Ordinances (Section 8.36.020 et seq.) prohibits a variety of nuisance noises between the hours of 9 PM and 6 AM on weekdays and 9 PM and 8 AM on weekends. The future marijuana-related facilities would adhere to the provisions of the Kern County Noise Ordinance under both proposed project alternatives. In evaluating human response to noise, acoustical analysis compensates for the response of people to varying frequency or pitch components of sound. The human ear is most sensitive to sounds in the middle frequency range used for human speech and is less sensitive to lower and higher-pitched sounds. The "A" weighted scale, abbreviated dB(A). The noise exposure information developed during the preparation of the Noise Element does not include all conceivable sources of industrial, commercial or agricultural noise within the City, but rather focuses on the existing sources of noise which have been identified by the City as being significant.

Section 19.04.252 in Kern County Zoning Ordinance defines exterior noise levels as "the noise level near the exterior of a structure usually within 50 feet of the structure. Kern County has implemented standards for sensitive areas for new projects, where in those sensitive areas outdoor noise levels are to be mitigated to below or 65 dB(Lin) and similarly 45 dB(A) or below in interior residential or inside other sensitive interior spaces.

The City of California City has the authority to establish land use noise standards and corresponding restrictions under the City's Noise Ordinance. A range of noise standards apply to different receiving land uses based on sensitivity and compatibility. In general, land uses with a higher sensitivity to noise (residential, schools, libraries, churches, hospitals, nursing homes and recreation) are assigned lower ambient noise thresholds than land uses deemed less sensitive

Potentially Significant Impact	Less than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
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(industrial and commercial). According to the Government Code, noise exposure contours should be developed in terms of the Day-Night Average Level (Ldn) or Community Noise Equivalent Level (CNEL) for transportation-related noise sources. These descriptors represent the weighted energy noise level for a 24-hour day after inclusion of a 30dB penalty for noise levels occurring at night between the houses of 10:00 p.m. and 7:00a.m. The CNEL descriptor includes a penalty of about 4.8 dB for noise levels occurring during the evening hours 7:00p.m. and 10:00 p.m. The CNEL explanation was developed for the quantification of aircraft noise, and its use is required when preparing noise exposure maps for airports within the State of California.

The Noise Element of the City's General Plan identifies vehicular traffic as the principal source of noise in the community. The General Plan Area is particularly bounded by the State Highway 58, along its southern boundary and State highway 14 as well along its western boundary. The front of the project area is located adjacent to Willow Ave. and approximately 1,300-feet from the California City Municipal Airport to the northwest. The project property is currently vacant and is located near the airport, vacant commercial lands, industrial and manufacturing uses to the west and northwest. The Project proposes to construct a 48,989 square-foot industrial and manufacturing facility. The anticipated noise impacts, from such an industrial and manufacturing use, will not exceed the evaluated noise generation factors established within the commercial land use.

Section 19.80.010. S (1) within Kern County Zoning Ordinances restricts noise generated by commercial or industrial uses within 500-feet of a residential use or residential zone district. The Project will not generate noise that exceeds an average 65 dB/Ldn between the hours of 7 AM and 10 PM and shall not generate noise that exceeds 65 dB/Ldn, or which would result in an increase of 5 dB(A) or more from ambient sound levels, both are superior, between the hours of 30 PM and 7 AM. Commercial or industrial facilities that are located within the heavy industrial (M-3) zones are exempt from these noise generation limitations.

As discussed previously, the surrounding zones are a combination of residential, commercial, and manufacturing zones with the residential zoning located to the west which is inclusive of an existing residential community. The Project is designed to reduce impacts upon adjacent sensitive receptors, within these residential neighborhoods, by complying with the minimum 200-foot setback between cannabis cultivation buildings and existing residential zones.

The construction activities of the Project are expected to generate short-term noise increases compared to the existing levels. A temporary incremental increase in noise levels along local roadways is expected to occur during the transport of workers and equipment to and from the site. Noise increases will also be generated by the actual on-site construction activities, which based on location and context, will occur within 500-feet of existing residential zoning and occupied units. As such, it is important to acknowledge and disclose the maximum noise levels generated from all possible stationary construction sources.

Below is a table that identifies the accepted stationary noise level impacts that result from construction related activities:

Table 1.1 – Construction Noise

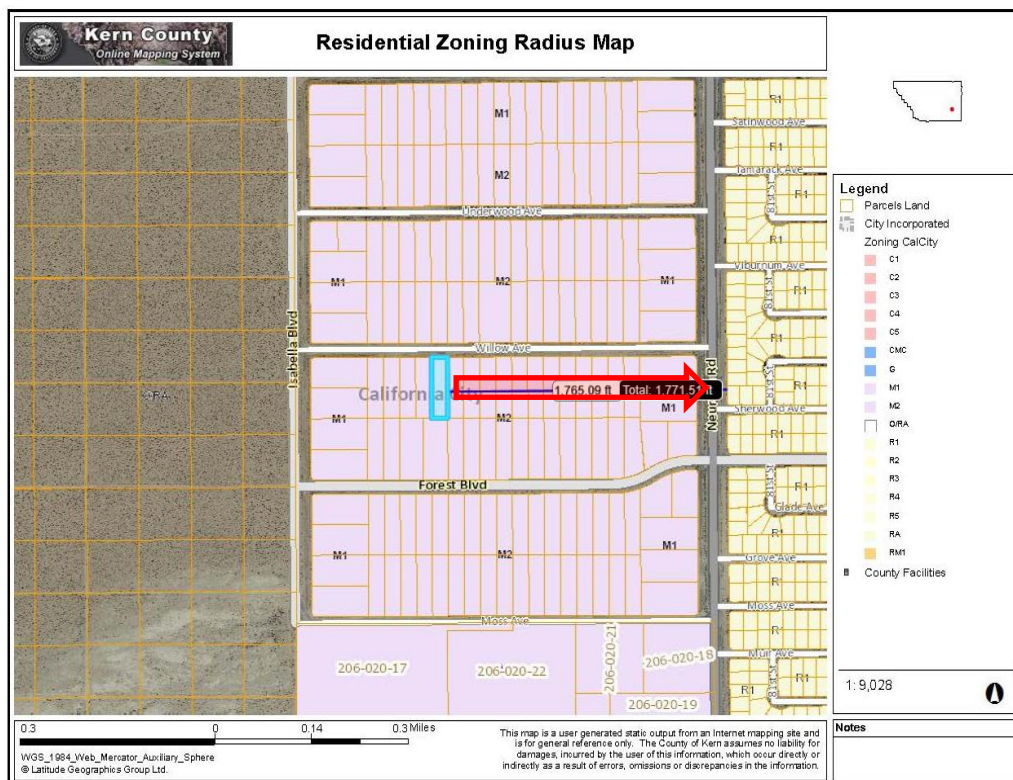
Potentially Significant Impact	Less than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
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CONSTRUCTION EQUIPMENT REFERENCE NOISE LEVELS		
Construction Equipment	Estimated Usage Factor	Noise Level at 50 Feet (dBA, L _{max})
Air Compressor	40%	80
Backhoe	40%	80
Cement and Mortar Mixers	40%	85
Compactor	20%	80
Concrete/Industrial Saw	20%	90
Cranes	16%	85
Crushing/Proc. Equipment	20%	87
Dumpers/Tenders	40%	76
Excavator	40%	85
Forklift	50%	85
Graders	40%	85
Haul Trucks	40%	76
Jackhammer	20%	85
Loader	40%	80
Paver	50%	85
Pumps	100%	82
Roller	20%	85
Rough Terrain Forklift	50%	85
Rubber Tired Loader	40%	80
Scrapers	40%	85
Skid Steer Loaders	40%	80

SOURCE: Federal Highway Administration (FHWA), FHWA Roadway Construction Noise Model User's Guide, January 2006.

Based upon this, which is generated from the FHWA Construction Noise Model User's Guide (2006), the loudest source of construction noise is 80 dBA, L_{max}. The shortest distance from the project's construction activity to the residential zone is 1,765.09 linear feet, per Figure 2.1 below, which is more than enough distance to disperse any significant level of sound generated from equipment referenced in the table above.

Table 2.1 – Residential Zoning Radius Map



Potentially Significant Impact	Less than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
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The noise levels, measured at the residential property line at 1,765-feet, results in a sound dissipation pursuant to the *inverse square law*; for which it can be shown that for each doubling of distance from a point source, the sound pressure level decreases by approximately 211.8 dB(A). Notwithstanding the ambient noise level currently being generated from this segment of Neuralia Road, the sound attenuation from the point source emitter is calculated by the formula $L_p(R2) = L_p(R1) - 20 \cdot \log_{10}(R2/R1)$. This results in a less than significant annuuated sound pressure ((dB(A)) of effectively zero as generated from the Project site, while measured at the property line of the adjacent residential zone. City ordinance limits the maximum noise level, in residential zones, to a maximum of 65 dBA, at the property line and a maximum interior noise level of 45 dBA.

Any new construction required for a future cannabis facility would generally occur during daytime hours, typically from 6 AM to 6 PM; however, the Kern County Noise Control Ordinance (Title 8 of the Kern County Code of Ordinances) limits all construction activities to take place between 6 AM and 9 PM, Monday through Friday, and between 8 AM and 9 PM on Saturdays and Sundays. If construction work is performed between dusk and 9 PM or dawn and sunrise (approximately 6 AM), construction crews would use minimal illumination to perform the work safely. California City Noise Ordinance Section 5-1.406 interior noise standards for Residential zones states that between the times of 10:00 p.m. to 7:00 a.m., the allowable interior noise level at 45 dB(A) and 55 dB(A) between 7:00a.m. and 10:00 p.m.

During construction, the Project is also expected to follow common industry standards that will help limit noise level increases. For example, all construction equipment, fixed or mobile, should be equipped with properly operating and maintained mufflers and the engines should be equipped with shrouds. Approved haul routes shall be used to minimize exposure of sensitive receptors to potential adverse levels from hauling operations. Truck haul routes are anticipated to include service from Willow Ave., in a westerly direction, then traveling north along Willow Ave. and then accessing the site through Willow Ave. All construction equipment shall be in proper working order and maintained to reduce backfires.

During the life of the Project, all industrial and manufacturing operations will be conducted in the interior of enclosed structures, facilities, and buildings, as mandated by the local zoning ordinance. All cultivation and processing operations, including materials management, will occur indoors and within the fenced limits. Outdoor activities will be limited. These include vehicular access and circulation in the Project's parking lot and drive aisles; access to the trash enclosures for waste management (disposal and pick-up); access to the outdoor utilities for maintenance purposes (e.g., chillers, septic or sewer systems, storm drain system components). While the Project would result in an increase in noise levels compared to the existing undeveloped condition, the nature and intensity of operations that would occur in the proposed structures are not expected to result in the generation of noise levels that would surpass the community noise and land use compatibility standards. The Project is expected to result in an incremental increase in traffic-related noise levels on the local roadways and less than significant impacts are expected.

Vibration is defined as the mechanical motion of earth or ground, building, or other type of structure, induced by the operation of any mechanical device or equipment located upon or attached to. Vibration generally results in an oscillatory motion in terms of the displacement, velocity, or acceleration of the ground-or structure(s) that causes a normal person to be aware of the vibration by means such as, but not limited to, sensation by touch or visual observation moving objects.

Potentially Significant Impact	Less than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
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ground- or structure(s) that causes a normal person to be aware of the vibration by means such as, but not limited to, sensation by touch or visual observation of moving objects.

Groundborne vibration, also referred to as earth borne vibration, can be described as perceptible rumbling, movement, shaking or rattling of structures and items within a structure. Groundborne vibration can generate a heightened disturbance in residential areas. These vibrations can disturb residential structures and household items while creating difficulty for residential activities such as reading or other tasks. Although, groundborne vibration is sometimes perceptible in an outdoor environment, it is not a problem as it is when this form of disturbance is experienced inside a building. Groundborne vibration can be measured in terms of amplitude and frequency or vibration decibels (VdB). Trains, buses, large trucks, and construction activities that include pile driving, blasting, earth moving, and heavy vehicle operation commonly cause these vibrations. Other factors that influence the disturbance of groundborne vibration include distance to source, foundation materials, soil and surface types.

The construction activities of the Project are expected to generate a short-term noise increases compared to the existing levels. Two types of noise impacts are anticipated during future construction activities. First, the transport of workers and equipment to the site would incrementally increase noise levels along the local roadways leading to and from the site.

The Project is surrounded by vacant land and is separated from the nearest existing residential uses by a minimum distance of approximately 1,700-feet directly to the west. The existing source of groundborne vibration is attributed to the anticipated circulation of large vehicles and trucks along Willow Ave. and Isabella Blvd. Construction of the Project is expected to involve the temporary use of vehicles and equipment that would result in short-term groundborne vibration increases within the permitted construction hours established by the City. During the life of the Project, all routine operations will occur within the proposed structure and during the permitted hours of operation, as mandated by the county ordinance and conditioned by the City. The routine operation of vehicles accessing the Project would cause an incremental increase in groundborne vibration, but not in levels that would be deemed inconsistent with the existing industrial setting or excessive in nature, such that would impact residential uses. Less than significant impacts related to excessive groundborne vibration noise levels are expected. The primary permanent noise sources will be vehicles traveling to and from the site and grounds maintenance equipment. The vehicle mix will be comparable with existing vehicles on surrounding roads. The proposed project is not expected to result in a substantial permanent increase in ambient noise levels in the project vicinity above levels existing without the project. Noise generated by vendors, visitors and employees is expected to be consistent with noise levels at any light industrial development and will not exceed county standards. Project-related vehicles will be consistent with vehicles already using area roadways.

The Project property and most of its surroundings are undeveloped. Therefore, this setting does not represent an existing source of ambient noise. The Project site is not located adjacent to or within proximity to any residential land uses or other sensitive receptors. However, the project is located near an existing airport deemed to be a primary noise generator. Noise resulting from the Project operations is anticipated to be largely contained in the proposed structures, while noise resulting from traffic noise caused by the Project is not expected to substantially increase the current ambient levels in a way that would impact sensitive receptors. Less than significant impacts related to permanent increase in ambient noise levels are expected.

Potentially Significant Impact	Less than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
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Two types of noise impacts should be considered during the construction phase. First, the transport of workers, equipment, and building materials to and from the construction site will incrementally increase noise levels along the roadways leading to and from the site. Second, the noise generated by the actual on-site construction activities should be considered. The increase, although temporary in nature, could be audible to noise receptors located along the roadways utilized for this purpose. High noise levels would also result from all construction activities, whether associated with specific facilities on specific sites, or with the extension pipelines to and from these sites.

Most of development in the City has occurred within the central core. An area comprising approximately twelve sections of land (7,680 acres) in the southwest portion of the land area within the City's corporate limits. The remaining development in the City has occurred in the northeastern portion; an area located about twelve miles northeast of the central core along Twenty Mule Team Parkway and Randsburg-Mojave Road. The project is located approximately 20-miles west of Twenty Mule Team Parkway and approximately 14-miles from Randsburg-Mojave Road. The City's General Plan Land Use Element includes a summary of the standards of population density and building intensity recommended for the various districts and other territory covered by the plan.

The proposed cultivation and processing site will produce a temporary and intermittent increase in ambient noise levels during construction. During Project site preparation, grading and construction, the contractors will be expected to utilize properly maintained construction equipment consistent with the manufacturer's standards. Construction activities are required to take place within the designated hours established by standards of California City. Less than significant impacts related to temporary or periodic ambient noise levels are expected.

Mitigation:

NOI-1 On-site noise generating construction and demolition activities shall be restricted to the hours of 7:00 a.m. to 8:00 p.m. Exceptions require that a permit be obtained beforehand from the Permits and Licenses Committee of the City.

NOI-2 The construction contractor shall ensure that all powered construction equipment shall be equipped with appropriate mufflers. The construction contractor shall ensure that all equipment is properly maintained to prevent additional noise due to worn or improperly maintained parts. The construction contractor shall use quieter equipment as opposed to noisier equipment (such as rubber-tired equipment rather than metal-tracked equipment), wherever possible.

NOI-3 The applicant shall install a temporary noise control barrier, sound curtain, or other noise control method acceptable to the Planning Manager along the western property line. If a barrier is selected, the barrier shall be at least 16 feet high to block the line-of-sight to adjacent noise-sensitive land uses from equipment operating near the property line. The noise control barrier or sound curtain shall be engineered to reduce construction-related noise by at least 27 decibels for ground-level receptors adjacent to construction activity. The noise control barrier or sound curtain shall be engineered according to applicable codes and shall remain in place until windows are installed on the proposed building.

NOI- The construction contractor shall establish a noise disturbance coordinator. The noise disturbance coordinator shall be responsible for responding to any local complaints about construction noise. The noise disturbance coordinator shall determine the cause of the noise

Potentially Significant Impact	Less than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
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complaint (e.g., starting too early, bad muffler, etc.) and shall be required to implement reasonable corrective measures such that the complaint is resolved. Notices sent to residential units within 500 feet of the construction site and all signs posted at the construction site shall list the telephone number for the noise disturbance coordinator.

Monitoring: Mitigation measures shall be implemented through compliance with the permit review and issuance process.

POPULATION AND HOUSING Would the Project

35. Housing

a) Displace substantial numbers of existing housing, necessitating the construction of replacement housing elsewhere?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
b) Create a demand for additional housing, particularly housing affordable to households earning 80% or less of the County's median income?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
c) Displace substantial numbers of people, necessitating the construction of replacement housing elsewhere?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
d) Affect a City Redevelopment Project Area?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
e) Cumulatively exceed official regional or local population Projections?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
f) Induce substantial population growth in an area, either directly (for example, by proposing new homes and businesses) or indirectly (for example, through extension of roads or other infrastructure)?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Source: City of California City Municipal Code; City of California City Final General Plan 2009-2028; California City General Plan Housing Element.

Findings of Fact: The California City planning area is comprised of 10,200 acres (203.44 square miles). This represents an increase of 11,200 acres resulting from the 1991 Municipal Reorganization #91-1 that comprised a 21,000-acre annexation and 4,800-acre detachment. The total 203.44 square miles planning area also represents the official City limits of California City. California City completed the 2002 Annexation, Detachment, Sphere of Influence Amendment (the City has Jurisdictional Boundaries and Coterminous Sphere of Influence), Redevelopment Area Expansion General Plan Update (Including the Housing Element), and Automotive Test Course Project. This action did not impact the availability of parcels for housing. It detached some environmentally sensitive areas and annexed some land suitable for economic development.

Based upon the 2009-2028 General Plan, the total of all single and multiple-family residential land designations represents 25 percent (33,500 acres) of the California City planning area. The residential land use designations of the General Plan and related zoning classifications show approximately 21,474 available (vacant) residential lots in the Central Core. The current population of California City is 13,972 as of July 1, 2017.

The proposed facility consists of a 48,989 SF of commercial cannabis cultivation and related, but ancillary cannabis processing and manufacturing. The Project is compatible with operations and uses permitted in the M-1 (Light Industrial Zoning District) with approval of a site plan review. The facility is estimated to staff approximately 10-12 employees with multiple shifts. The proposed Project may encourage

Potentially Significant Impact	Less than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
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relocation for employment. However, the number of employees is expected to come from existing residents primarily.

The Project does not have a residential component. Improvements to roads and other infrastructure associated with the Project would not induce substantial growth to the area. Less than significant impacts are expected.

The entire property is currently vacant land designated by the City General Plan and zoning for commercial and industrial activity and would not displace any existing housing or require replacement housing. No impacts are anticipated.

Mitigation: No Mitigation Required

Monitoring: No Monitoring Necessary

PUBLIC SERVICES Would the Project result in substantial adverse physical impacts associated with the provision of new or physically altered government facilities or the 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:

36. Fire Services

Source: City of California City Municipal Code; City of California City Final General Plan 2009-2028; California City General Plan Safety Element.

Findings of Fact:

Fire services are provided to the project area by the California City Fire Department (CCFD). The fire department operates out of a single location, located at 20890 Hacienda Blvd, California City, CA 93505, approximately 5-miles from the project site. The station has four paid fire fighters on duty per day. The CCFD maintains a fleet of two structure engines (one front-line and one reserve), one brush engine, one brush patrol, one squad/off- road rescue, and two staff SUV’s. The CCFD maintains mutual aid and automatic aid agreement with Kern County Fire and Edwards Air Force Base Fire, resulting in the ability of three engines being dispatched; a standard duty response that ensures a minimum number of firefighters arrive at scene per National standards. Mutual aid is an agreement among emergency responders to lend assistance across jurisdictions provided resources are available and is not to the detriment of their own service area. The project proposes the development of the 2.25-acre site. The facility will contain space for office use, storage, and cultivation areas. At buildout, the facility will have an approximate building ground floor area (GFA) of approximately a 48,989 square foot facility; under a Class B Occupancy; which does not create a substantial increase in the need for additional fire suppression and planning services.

Development of the project increases demand on fire services, however based on the site proximity to the City’s existing fire station, the proposed project could be adequately served without the expansion of a new fire facility and adequate response times would be met. Additionally, the project would be required to implement all applicable and current California Fire Code Standards. This would include installation of fire hydrants as well as sprinkler systems inside the buildings. Furthermore, the project will be reviewed by City and Fire officials to ensure adequate fire service and safety because of project implementation. The project will also be required to comply with the City’s Development Impact Fees (DIF) to assist with the funding of public facilities and services, including fire, therefore, less than significant impacts are expected.

Potentially Significant Impact	Less than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
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Mitigation: No Mitigation Required

Monitoring: No Monitoring Necessary

37. Police Services

Source: City of California City Municipal Code; City of California City Final General Plan 2009-2028; California City General Plan Safety Element.

Police services are provided to the project area by the California City Police Department (CCPD). The police department operates out of a single location and is located at 2115 Hacienda Blvd, approximately 5-miles from the project site. Per the Police Department website, the CCPD has 13 sworn officers and 6 support staff, totaling 19 positions. Based on the 2021 Census, California City has a population of 13,707 persons, resulting in an officer to resident ratio of 0.95 per 1,000 population. At buildout, the facility will have an approximate building ground floor area (GFA) of approximately a 48,989 square foot facility; under a Class “B” and “F-1” Occupancies, associated with the Office and Cultivation uses, respectively.

A suite of safety and security measures will be incorporated into the project. A more detailed, comprehensive security plan is required by the City during the regulatory permit phase. This will include specific locations and areas of coverage by security cameras; location of audible interior and exterior alarms; location of exterior lighting; name and contact information of Security Company monitoring the site and any additional information required by the City.

Although the project may require additional demand for police services, the demand is not expected to hinder the City's ability to provide police protection services and adequate response times would be met. Furthermore, the project will be reviewed by City and Police officials to ensure adequate fire service and safety because of project implementation. The project will also be required to comply with the City's Development Impact Fees (DIF) to assist with the funding of public facilities and services, including police, therefore, less than significant impacts are expected.

Mitigation: No Mitigation Required

Monitoring: No Monitoring Necessary

38. Schools

Source: City of California City Municipal Code; City of California City Final General Plan 2009-2028; California City General Plan Safety Element.

Findings of Fact: The proposed project falls under the Mojave Unified School District (MUSD). Development of the project would not create a direct demand for school service. At buildout, the facility will have an approximate building ground floor area (GFA) of approximately a 48,989 square foot facility; under a Class “B” and “F-1” Occupancies, associated with the Office and Cultivation uses, respectively.. Employment generated by the project would not be expected to draw a substantial number of new residents that would generate school age children requiring public education or substantially alter school facilities or the demand for public education and no new facilities would need to be constructed. Additionally, any future development will be required to pay Development Impact Fees (DIF) to the Mojave Unified School District, developer impact fees to assist in offsetting impacts to school facilities. At the time of writing, current development fees are \$3.79 a square foot for residential and \$0.61 per square foot for commercial/industrial projects (Level I Developer Fee

Potentially Significant Impact	Less than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
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Study for Mojave Unified School District, 2018). Less than significant impacts to school services are expected. As discussed below in Section XV(a) and XV(b), the proposed project would not create substantial additional demand for public park facilities, nor result in the need to modify existing or construct new park facilities. No impacts are expected to city parks.

Mitigation: No Mitigation Required

Monitoring: No Monitoring Necessary

39. Libraries

Source: City of California City Municipal Code; City of California City Final General Plan 2009-2028; California City General Plan Safety Element.

Findings of Fact: Library services are provided by the Kern County Library system with the nearest branch located in the City at 9507 California City Boulevard. The Kern County Library provides a full range of services and resources to over 850,000 people in every city and unincorporated area of Kern County through a network operated at Kern County Library Headquarters. The Kern County Library system includes 24 branches and 2 book mobiles available to serve the County population. Development of the project would not create a direct demand for school service. At buildout, the facility will have an approximate building ground floor area (GFA) of approximately a 48,989 square foot facility; under a Class B Occupancy. Employment generated by the project would not be expected to draw a substantial number of new residents that would generate school age children requiring library services or substantially alter existing library branch facilities or the demand for new facilities would need to be constructed.

Mitigation: No Mitigation Required

Monitoring: No Monitoring Necessary

40. Health Services

Source: City of California City Municipal Code; City of California City Final General Plan 2009-2028; California City General Plan Safety Element.

Findings of Fact: According to the City Fire Chief, there are multiple choices for hospital care to serve City residents. These choices depend upon the severity and type of medical treatment required. In addition, hospital related care also depends on bed availability and the patients' preference, if not emergent. Since California City spans approximately 201 square miles, there are a number of hospitals that a patient could be transferred to for minor issues such as less critical conditions, stabilizing patience, and minor surgeries. These minor incidences are typically served by Adventist Health-Tehachapi Valley in Tehachapi, which is located approximately 20-miles from the City's western edge. Furthermore, Ridgecrest Regional Hospital is located approximately 9-miles from the east edge of the city and even Barstow Community Hospital; which is located approximately 50-miles from the south west edge of town also provides non-trauma related care. If trauma level care is necessary, patients are transported to the Antelope Valley Hospital in Lancaster, which is located approximately 8-miles from the south edge of the city. While the City does not have any Mutual Aid Agreements in terms of Hospitals in the area; City fire does have Mutual aid for Fire with Kern County and Edwards AFB as requested by the California City Fire Chief.

Potentially Significant Impact	Less than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
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Mitigation: No Mitigation Required

Monitoring: No Monitoring Necessary

RECREATION

41. Parks and Recreation

a) Would the Project include recreational facilities or require the construction or expansion of recreational facilities which might have an adverse physical effect on the environment?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
b) Would the Project include the use of existing neighborhood or regional parks or other recreational facilities such that substantial physical deterioration of the facility would occur or be accelerated?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
c) Is the Project located within a Community Service Area (CSA) or recreation and park district with a Community Parks and Recreation Plan (Quimby fees)?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Source: City of California City Municipal Code; City of California City Final General Plan 2009-2028; California City General Plan Open Space Element.

Findings of Fact: As discussed herein, the proposed project would not create substantial additional demand for public park facilities, nor result in the need to modify existing or construct new park facilities. No impacts are expected to park. As previously discussed, the Project proposes to construct a 48,989 square foot commercial cannabis cultivation and ancillary manufacturing uses. Properties immediately to the north, east, south, and west of the project are in a vacant state, with the California City Municipal Airport further to the northwest, with similar conditions to those found on-site. Existing residential dwelling units are located southeast of the Project site, and approximately 10-12 employees will be generated by the Project, the addition of which is not anticipated to cause a substantial increase to the current existing neighborhood community, regional or pocket parks. Therefore, no impacts are expected relative to use or deterioration of existing parks. The construction of the proposed cultivation and processing facility within a light industrial zoned area will not substantially degrade any existing or planned recreational facility. In fact, the City will require the Project proponent to construct a Class I Bike Trail adjacent to the curb-line of Willow Ave. which is required pursuant to the City's Bike Plan Element of the General Plan.

No construction or expansion of other recreational facilities is required for Project implementation and no impacts are anticipated.

Mitigation: No Mitigation Required

Monitoring: No Monitoring Necessary

42. Recreational Trails

<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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Source: City of California City Municipal Code; City of California City Final General Plan 2009-2028; California City General Plan Open Space Element.

Findings of Fact: The City's Municipal Code has adopted the Farm Animal Overlay and the Equestrian Overlay Zones (EOZ). California City Municipal Code Section 9-2.2408 Equestrian Overlay Zone permits the riding of equines along equestrian trails and roadways, if they do not cause any traffic

Potentially Significant Impact	Less than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
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impediment. Development of the project will require the development of a Class I Bike trail along the easterly right-of-way (adjacent to the shoulder of northbound travel way of Isabella Blvd.). The Project will not negatively affect the General Plan goals of providing safe and convenient access to equestrian trails and roadway use.

Mitigation: The Project shall construct a Class I bikeway/trail in conformance with City standards.

Monitoring: The City Community Development and Public Works Departments shall review the trail plans and inspect construction of the trail to ensure compliance.

TRANSPORTATION/TRAFFIC Would the Project				
43. Circulation	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
a) Conflict with a program, plan, ordinance, or policy addressing the circulation system, including transit, roadway, bicycle and pedestrian facilities?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
b) Would the project conflict or be inconsistent with CEQA Guidelines section 15064.3, subdivision (b)?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
c) Substantially increase hazards due to a geometric design feature (e.g., sharp curves or dangerous intersections) or incompatible uses (e.g., farm equipment)?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
d) Alter waterborne, rail or air traffic?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
e) Result in inadequate emergency access?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Source: City of California City Municipal Code; City of California City Final General Plan 2009-2028; California City General Plan Open Space Element.

Transportation and Traffic Discussion:

a) Conflict with a program, plan, ordinance, or policy addressing the circulation system, including transit, roadway, bicycle, and pedestrian facilities?

Each county in California is required to develop a Congestion Management Program (CMP) that analyzes at the links between land use, transportation, and air quality. The Kern County Council of Governments (KERNCOG) is the County’s Congestion Management Agency. The KERNCOG prepares and periodically updates the County’s CMP to meet federal Congestion Management System guidelines and state CMP legislation. The most recent CMP is included within KERNCOG’s Long Range Transportation Plan (LRTP), which was completed in April 2012. According to Appendix A of the LRTP, in the 2011 Kern County Congestion Management Program, Highway 14 and Highway 58 are the only roads in proximity to the Project site listed as part of the CMP System of Highways and Roadways. These roads are not directly adjacent to the Project site. Thus, the Project will not conflict with a CMP due to the distance between the Project site and these covered roadways and the trips have been accounted for in the GP. The GP identifies that sidewalks, bike lanes, off-street trails and golf cart routes are especially important along major roadways in the community. Within Kern County, existing public transportation services include public transit, Amtrak, and other private carriers such as Greyhound. Local and regional public transit is available within and between sixteen Kern County communities. In 2009–2010, public transit services carried over 7.84 million passengers in Kern County. Transit services include intercity, demand-responsive, and fixed-route operations.; the Project will not produce a need for increases in transit services or require the substantial alteration of existing facilities and/or services. The Project will not conflict with any program, plan, ordinance, or policy addressing the circulation

Potentially Significant Impact	Less than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
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system, including transit, roadway, bicycle and pedestrian facilities. Therefore, the Project has no impact.

b) Conflict or be inconsistent with CEQA Guidelines section 15064.3, subdivision (b)?

Senate Bill 743 (SB 743) was passed by the California State Legislature and signed into law by Governor Brown in 2013. SB 743 required the Office of Planning and Research and the California Natural Resources Agency to develop alternative methods of measuring transportation impacts under the California Environmental Quality Act (CEQA). In December 2018, the California Natural Resources Agency finalized updates to the CEQA Guidelines, which included SB 743. Section 15064.3 of the 2019 State *CEQA Guidelines* provide that transportation impacts of projects are, in general, best measured by evaluating the project's vehicle miles traveled (VMT). Automobile delay (often called Level of Service) will no longer be an environmental impact under CEQA. Automobile delay can, however, still be used by agencies to determine local operational impacts. The provisions of this section are not mandatory until July 1, 2020; however, local agencies may choose to opt in before that date. At the time of preparation of this report, the City has not updated their procedures to analyze VMT; thus, this Project is not currently subject to section 15064.3 of the 2019 CEQA Guidelines. The Project has no impact.

c) Substantially increase hazards due to a geometric design feature (e.g., sharp curves or dangerous intersections) or incompatible uses (e.g., farm equipment)?

The proposed Project does not propose any design features that would increase traffic hazards, as the Project is consistent with the City's General Plan Circulation Element. Additional surrounding land uses include vacant land to the south, east, and west, with small-to-medium sized industrial buildings to the north. Thus, the Project is not introducing a substantially different land use to the area and will be compatible with adjacent uses. In addition, the Project does not include an implementing project, and thus involves no construction or operation or physical impact to the Project site. As such, the Project will not increase hazards due to a design feature or incompatible use. Therefore, the Project has no impact.

d) Result in inadequate emergency access?

The proposed Project will provide adequate access to emergency response vehicles, as required by the City of California City and in accordance with the Fire and Police Department review and requirements. Site plan review would include in-depth analysis of emergency access to the site to ensure proper access to facilities. As mentioned previously, the proposed site plan provides vehicular access on Willow Ave. The design details of vehicular driveways will be reviewed and approved by the Fire Department and the City. The Project is anticipated to provide proper premises identification with legible site name, address numbers, and clear signage indicating the site access points. Measures that protect life and safety include operational fire hydrants and extinguishers to be placed in conspicuous areas consistent with the NPFA. Off-site Project improvements will involve paving on Willow Ave. within the required rights-of-way and according to the City's designated street standards.

Mitigation: No Mitigation Required

Monitoring: No Monitoring Necessary

	Potentially Significant Impact	Less than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
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44. Tribal Cultural Resources

a) Would the Project cause a substantial adverse change in the significance of a Tribal Cultural Resource, defined in Public Resources Code section 2574 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:

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 for the purpose of this paragraph, the lead agency shall consider the significance to a California Native tribe.

Source: City of California City Municipal Code; City of California City Final General Plan 2009-2028; California City General Plan Open Space Element.

Findings of Fact: As previously discussed in the Cultural Resources discussion of this document, there are five recorded historic archaeological sites within the City, according to the California City General Plan. The archaeological sites are not found within the project area. Additionally, a cultural resource survey was completed by the California Archaeological Inventory Southern San Joaquin Valley Information Center for California City's General Plan. The cultural resource survey was concluded that no cultural resources were found on the project site or with proximity to the site (discussed in Cultural Resources: Sections 8-9). The historical, cultural, and archaeological resources surveys outlined within the California City General Plan indicate that the project site is not listed or eligible for listing in the California Register of Historical Resources or in a local register. Therefore, no impacts are anticipated with project implementation. As previously discussed, the land surveys prepared for the California City General Plan did not indicate the presence of historic resources, cultural resources, and archaeological resources on or near the project site. Additionally, the California City General Plan states that the City had no Native American Sacred Sites within the City's boundary. Therefore, project implementation is not expected to have a substantial adverse change in a significant Tribal cultural resource. Less than significant impacts are anticipated.

Mitigation: No Mitigation Required

Monitoring: No Monitoring Necessary

45. Bike Trails

Source: City of California City Municipal Code; City of California City Final General Plan 2009-2028; California City General Plan Open Space Element. KernCOG 2018 Regional Transportation Plan (RTP)

Potentially Significant Impact	Less than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
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Findings of Fact: The property, in addition to the surrounding property, were previously analyzed in both the City's General Plan EIR and as part of the KernCOG 2018 Regional Transportation Plan (RTP) and the Project will not increase the need for bike trails, as a function of its proposed use; however, in compliance with the RTP and the City's Bikeways Master Plan, a Class I Bike Trail will be required along Willow Ave. This bike trail will be incorporated into the future dedicated R/W and constructed concurrent with the road improvements for Willow Ave. In addition, the Project will be required to pay for the balance of park land impacts not offset by the construction of the bike trail. In addition, the City's fees will address the incremental need that results from this Project upon recreational trails, bikeways, or service paths.

Mitigation: No Mitigation Required

Monitoring: No Monitoring Necessary

UTILITY AND SERVICE SYSTEMS Would the Project				
46. Water	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
a) Require or result in the construction of new water treatment facilities or expansion of existing facilities, the construction of which would cause significant environmental effects?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
b) Have sufficient water supplies available to serve the Project from existing entitlements and resources, or are new or expanded entitlements needed?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Source: City of California City Municipal Code; City of California City Final General Plan 2009-2028; California City Stormwater Masterplan, dated 2002.

Findings of Fact: The California City Water Department does not provide sewer services to the city and the project site. Therefore, onsite wastewater treatment systems (OTWS) will be required to control and manage gray water, solids, and resulting effluent from the Project site operations. The Wastewater Operations Division provides maintenance of all wastewater collection and transportation and oversees the treatment for the City in addition to monitoring and implementation of wastewater regulations. Sanitary sewers are cleaned regularly, and their condition is monitored on a regular basis. According to the California City Urban Water Management Plan Update 2017, California City owns and operates 1.5 million gallons per day (MGD) extended aeration activated sludge tertiary treatment facility (WWTP) and all domestic sewer collection systems within the City limits. The existing California City Wastewater Treatment Facility, located at 10835 Nelson Drive, is designed to treat an average flow of 1.5 MGD and peak flow of 3.0 MGD, where in 2015, the influent flow was 0.8 MGD.

The project is proposing 48,989 square foot retain Contractor Storage Yard facility. Wastewater is expected to be minimal as the project would only require up to 12-15 standard/regular employee, in approximately 3-shifts. The project is not expected to exceed wastewater treatment requirements of the State Regional Water Quality Control Board (SRWQCB) (Fremont Valley Sub-basin). In addition, City and other local and governmental agency review will ensure compliance with all current and applicable wastewater treatment requirements. Less than significant impacts are expected.

California City Water Department provides domestic water service in the project vicinity, as a six (6)-inch water main line is currently in place within the public R/W of Willow Ave. (See Figure III-1, of the City's Storm Water Masterplan. The City provides approximately 4,410 active service water connections to its incorporated area (203 square miles). The City maintains approximately 313 miles

Potentially Significant Impact	Less than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
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of water main lines ranging in size from 4 to 21 inches in diameter, and a 20-inch transmission line connects the City wells to the reservoirs located in the foothills. As stated in the prior discussion, the California City Wastewater Treatment Facility, which is designed to treat an average flow of 1.5 million gallons per day, and peak flow of 3.0 MD. The approximately 2.25-acre project site is currently vacant and undeveloped, with scattered vegetation. Existing facilities such as water and electricity currently run along Willow Ave. The proposed Project will connect to an existing 6-inch water main line, which is currently available in Willow Ave and served by the City. The wastewater from the proposed project is expected to be minimal and accommodated given the size and nature of the project. The Project will require sub-surface or onsite waste disposal systems (OTWS) as there are no sewer facilities located within this portion of Willow Ave. Construction of OTWS will comply with the requirements of the State Regional Water Control Board, Kern County Department of Environmental Health, and the City Public Works Department. OTWS are required to comply with the Fremont Valley Integrated Regional Water Management Group (IRWMG), consisting of California City, Mojave Public Utility District (MPUD), and the Antelope Valley East Kern Water Agency (AVEK). The review by these groups will ensure wastewater capacity and compliance. Additionally, OTWS installation and connection fees in place at the time of development or connection would be collected by California City. Therefore, less than significant impacts are expected. Groundwater is the primary source of domestic water supply in California City. According to the Urban Water Management Plan, California City currently uses six groundwater wells and surface water purchased from the Antelope Valley East Kern Water Agency (AVEK) for its groundwater supply. The project property lies within the Fremont Valley Groundwater Sub-basin, within the Lahontan Region (Region 6). The project site is managed by the Fremont Valley Groundwater Basin Integrated Regional Water Management Group (IRWMG), which consists of California City, Mojave Public Utility District (MPUD), and the Antelope Valley East Kern Water Agency (AVEK). As stated in prior discussions, the groundwater wells in California City produced over 93-percent (%) of the water supply in 2000 to 2001. Per the Water Master Plan, Well No. 15 is the closest well to the project site, south of California City Blvd., approximately 1.5 miles northwest of the Project site. According to the California City General Plan, future water demands for the City will be met by the construction of new water wells and through additional purchase of AVEK water. According to the 2015 Urban Water Management Plan (UWMP) updated in 2017, the addition of two new wells will assist in the City's goal in meeting future water demands from 2020 through 2040. These wells include: Well No. 10 in 2018 and Well No. 11 in 2019. As stated in the UWMP, it is projected that in 2040 the City will be using 82.3 percent of the current water production capacity. It is noted that 82.3 percent capacity utilization in 2040 is conservative and that for the foreseeable future, the City has excess production capacity that will handle system demands year around and during worst case summer demand months. As required by the policies of the General Plan, the City will continue to cooperate with IRWMG and other agencies/jurisdictions in implementing a groundwater replenishment and ensuring the viability of the Fremont Valley Sub-basin. The proposed development will be expected to follow water conservation guidelines to mitigate impacts to public water supplies. Examples of these water conservation methods include water conserving plumbing fixtures, drought tolerant landscaping, and drip irrigation systems. The project proposes to connect to the existing water line located in Willow Ave. Additional domestic water improvements necessary to serve this development will be identified by IRWMG and approved by the City of California City. Less than significant impacts to water supply are expected.

Mitigation: No Mitigation Required

Monitoring: No Monitoring Necessary

	Potentially Significant Impact	Less than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
47. Sewer				
a) Require or result in the construction of new wastewater treatment facilities, including septic systems, or expansion of existing facilities, the construction of which would cause significant environmental effects?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
b) Result in a determination by the wastewater treatment provider that serves or may service the Project that it has adequate capacity to serve the Project's Projected demand in addition to the provider's existing commitments?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Source: City of California City Municipal Code; City of California City Final General Plan 2009-2028; California City General Plan Land Use Element, Final-15415-LAMP (2018)

Findings of Fact: The City of California City operates one wastewater treatment plant located at 5835 Nelson Drive, approximately 4.75-miles east of the project site. All City sewage is collected into sewage mains and delivered to the 1 MGD sanitary facility. The existing wastewater treatment facility collected domestic wastewater to approximately 5 percent of the City's sewer system, while the remaining 70-percent (%) is served by onsite septic systems. The existing California City Wastewater Treatment Facility is designed to treat an average flow of 1.5 MGD and peak flow of 3.0 MGD. Currently, the average influent flow is 0.8 MGD. The proposed project is designed to connect to OTWS and gain approval from both the City and Kern County, as outlined in the 2002 Water Master Plan for California City, and the 2017 Urban Water Management Plan (UWMP). The Project is located in Sewer Density Zone #38. As of 2018, This zone is was at 2.7% total use, according to Table 2 (page 88) of the FINAL LAMP referenced above. Since little development has occurred in the last 2.5-years, the approximate 52% of capacity is adequate to accommodate the Project's operational impacts upon existing sewer facilities. The operation and construction of these facilities will comply with the requirements of the City, and the State Regional Water Quality Control Board. Less than significant impacts to wastewater treatment are expected.

Mitigation: No Mitigation Required

Monitoring: No Monitoring Necessary

48. Solid Waste				
a) Is the Project served by a landfill with sufficient permitted capacity to accommodate the Project's solid waste disposal needs?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
b) Does the Project comply with federal, state, and local statutes and regulations related to solid wastes including the CIWMP (City Integrated Waste Management Plan)?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Source: City of California City Municipal Code; City of California City Final General Plan 2009-2028; California City General Plan Safety Element.

Findings of Fact: Solid waste disposal and recycling services for the City of California City are provided by Waste Management (WM). However, Waste Management does not provide removal of cannabis byproducts or waste generated from the manufacturing, testing, and packaging processes. As such, the City is currently undergoing a procurement for a solid waste contract to specifically manage solid waste generated from the cannabis cultivation process. The Project will be required to comply

Potentially Significant Impact	Less than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
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with the future regulations resulting from these procurements. Solid waste generated by the project would consist of standard household/office waste. Unused plant material will be composted and reintroduced into soil composite. Commercial waste and recycling collected from the proposed Project will be hauled to the CA City Recycling and Transfer Station (15-AA-0401). Waste from this transfer station is then sent to a permitted landfill or recycling facility within Kern County. These include Bena, Boron, Mojave-Rosamond, Ridgecrest, Shafter-Wasco, Taft, and Tehachapi Landfills. CalRecycle data indicates that these landfills have 3 to 90-percent (%) of their remaining estimated capacity, with the Mojave-Rosamond Sanitary Landfill having the lowest remaining capacity, 3-percent (%), and the Boron Sanitary Landfill with approximately 90-percent (%) remaining capacity. Additionally, solid waste generated by a medical marijuana facility would be minimal and would comply with all cannabis waste regulations. Less than significant impacts to solid waste are expected. Solid waste disposal and recycling services for the City of California City are provided by Waste Management (WM). Solid waste generated by the project would consist of standard household/office waste. Unused plant material will be composted and reintroduced into soil composite. Commercial waste and recycling collected from the proposed Project will be hauled to the CA City Recycling and Transfer Station (15-AA-0401). Waste from this transfer station is then sent to a permitted landfill or recycling facility within Kern County. These include Bena, Boron, Mojave-Rosamond, Ridgecrest, Shafter-Wasco, Taft, and Tehachapi Landfills. Cal Recycle data indicates that these landfills have 3 to 90-percent (%) of their remaining estimated capacity, with the Mojave-Rosamond Sanitary Landfill having the lowest remaining capacity, 3-percent (%), and the Boron Sanitary Landfill with approximately 90-percent (%) remaining capacity. Additionally, solid waste generated by a medical marijuana facility would be minimal and would comply with all cannabis waste regulations. Less than significant impacts to solid waste are expected. The City of California City contracts with Waste Management to serve the solid waste disposal needs of the city, including the project. The project will comply with all applicable solid waste statutes and guidelines. No impacts are expected relative to solid waste statues and regulations.

Mitigation: No Mitigation Required

Monitoring: No Monitoring Necessary

Utilities

Would the Project impact the following facilities requiring or resulting in the construction of new facilities or the expansion of existing facilities; the construction of which could cause significant environmental effects?

a) Electricity?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
b) Natural gas?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
c) Communications systems?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
d) Storm water drainage?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
e) Street lighting?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
f) Maintenance of public facilities, including roads?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
g) Other governmental services?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

Source: City of California City Municipal Code; City of California City Final General Plan 2009-2028; California City General Plan Safety Element.

Findings of Fact: The Project will not produce an impact upon existing or planned city or district utility services. The addition of a 48,989 SF industrial and manufacturing facility will not increase the need for utility services or create the need to substantial retrofit existing utility infrastructure. No impact is anticipated from the proposed Project.

Potentially Significant Impact	Less than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
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- a) Electricity: The property will be served by Southern California Edison (SCE) which has an obligation to serve and provides electrical service to several properties along Willow Ave. As such, no impact is anticipated.
- b) Natural Gas: Recently, the City has expanded natural gas service to the north and eastern planning areas. The property will not likely require natural gas service, but service is available if needed. As such, no impact is anticipated.
- c) Communications: The Project will not require telecommunications service. As such, no impact is anticipated.
- d) Storm water drainage: The Project is served by the City public works department. No expansion of service is anticipated. As such, no impact is anticipated.
- e) Street Lighting: The Project is served by the City public works department. No expansion of service is anticipated. As such, no impact is anticipated.
- f) Maintenance of public facilities; including roads: The Project will be required to dedicate and construct the necessary roadway improvements, along the property frontage of Willow Ave. The City Public Works Department will accept a dedication of the ultimate improvements prior to the commencement of Project operations. Maintenance of the road will be provided by a public entity, the City. As such, no impact is anticipated.
- g) Other government services: The operations of the future Project will comply with the City's Cannabis Program and all provisions of the City Municipal Code.

Mitigation: No Mitigation Required

Monitoring: No Monitoring Necessary

WILDFIRE. If located in or near state responsibility areas classified as very high hazard severity zone, would the project:

a) Substantially impair an adopted emergency response plan or emergency evacuation plan?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
b) Due to slope, prevailing winds, and other factors, exacerbate pollutant concentrations from a wildlife or uncontrolled spread of a wildfire?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
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?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Source: City of California City Municipal Code; City of California City Final General Plan 2009-2028; California City General Plan Safety Element. California Department of Forestry and Fire Protection: State Responsibility Areas for Fire Protection.

Findings of Fact:

- a) The Project will not result in an impact to an adopted emergency response plan or emergency evacuation plan due to the infill nature of the Project. The anticipated structures will comply

Potentially Significant Impact	Less than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
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with county and local fire codes, including the development of an evacuation plan which is required by City Ordinance.

- b) The Project is not located on a parcel of land that is constrained by slopes or subject to other factors that will exacerbate wildfire risks. The property is sparsely vegetated with low-lying scrub brush and mostly decomposed granite, having been compacted for decade through wind and water erosion.
- c) The Project is located on an in-fill parcel, with existing paved access and is not within an area designated as high fire. The construction of public infrastructure improvements will have no impact upon wildfire risks.
- d) The Project will not expose people or structures to the risks of downslope or downstream flooding or landslides from post-fire instability. As previously mentioned, the parcel in which the Project is proposed is not located within or near a state responsibility area or an area classified as high fire. As such, no impacts can or will occur.

MANDATORY FINDINGS OF SIGNIFICANCE

<p>47. 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, 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?</p>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
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Source: City of California City Municipal Code; City of California City Final General Plan 2009-2028; California City General Plan.

Findings of Fact: As concluded in the Biological and Cultural Resources sections of this document, the proposed project expansion would result in no impacts or less than significant impacts with mitigation to these resources. The project is compatible with the City of California City General Plan land use designation and its surroundings. The project will not significantly degrade the overall quality of the region's environment, or substantially reduce the habitat of a wildlife species, cause a fish or wildlife population to drop below self-sustaining levels, threaten to eliminate a plant or animal community, reduce the number, or restrict the range of a rare of endangered plant or animal or eliminate important examples of the major periods of California history or prehistory. Less than significant Impacts with mitigation is expected.

<p>48. Does the Project have impacts which 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, other current Projects and probable future Projects)?</p>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
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Source: Staff review, Project Application Materials

Findings of Fact The project is in a partially developed setting designated for Community Commercial uses. Cultivation of commercial cannabis is allowed within the M-1 (Light Industrial Zoning District) with

Potentially Significant Impact	Less than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
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cannabis cultivation and manufacturing permit from the City of California City, and must follow all applicable state and local laws and regulations pertaining to the industrial and manufacturing cultivation permit business and activities, including the duty of obtaining any required state licenses. The facility would be compatible with the existing and future land uses within the M-1 zone. Based upon the information and mitigation measures provided within this Initial Study and implementation of the proposed cultivation and processing facility is not expected to result in impacts that, when considered in relation to other past, current, or probable future projects, would be cumulatively considerable. Less than significant impacts are expected.

49. Does the Project have environmental effects that will cause substantial adverse effects on human beings, either directly or indirectly?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
--	--------------------------	--------------------------	--------------------------	-------------------------------------

Source: Staff review, Project application

Findings of Fact: As discussed in the various sections throughout this Initial Study, the proposed project would not include a land use that could result in substantial adverse effects on human beings. The City of California City has established regulations pertaining to commercial cannabis facilities to ensure these businesses do not conflict with the City's General Plan, its surrounding uses, or become detrimental to the public's health, safety, and welfare. The City's review process of cannabis facilities and facility operations will ensure that the regulations are fully implemented. Based upon the findings provided in this document, and mitigation measures and standard conditions incorporated into the project, less than significant impacts are expected.

V. EARLIER ANALYSES

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 as per California Code of Regulations, Section 15063 (c) (3) (D). In this case, a brief discussion should identify the following:

Earlier Analyses Used, if any:

- City of California City General Plan Environmental Impact Report (<http://www.californiacity-ca.gov/CC/index.php/planning/planning-publications>)
- KernCOG 2018 Regional Transportation Plan (<https://www.kerncog.org/category/docs/rtp/>)

Location Where Earlier Analyses, if used, are available for review:

Location:
 City of California City
 250 Hacienda Boulevard
 California City, CA 93505-2293
 (760) 373-8661

VI. AUTHORITIES CITED

Authorities cited: Public Resources Code Sections 2583 and 2583.05; References: California Government Code Section 65088.4; Public Resources Code Sections 2580(c), 2580.1, 2580.3, 2582.1, 2583, 2583.05, 2583.3, 2593, 2594, 2595 and 21151; *Sundstrom v. County of Mendocino* (1988) 202 Cal.App.3d 296; *Leonoff v. Monterey Board of Supervisors* (1990) 222 Cal.App.3d 1337; *Eureka*

Potentially Significant Impact	Less than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
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Citizens for Responsible Govt. v. City of Eureka (2007) 147 Cal.App.4th 357; Protect the Historic Amador Waterways v. Amador Water Agency (2004) 121 Cal.App.4th at 159; San Franciscans Upholding the Downtown Plan v. City and County of San Francisco (2002) 52 Cal.App.4th 656.

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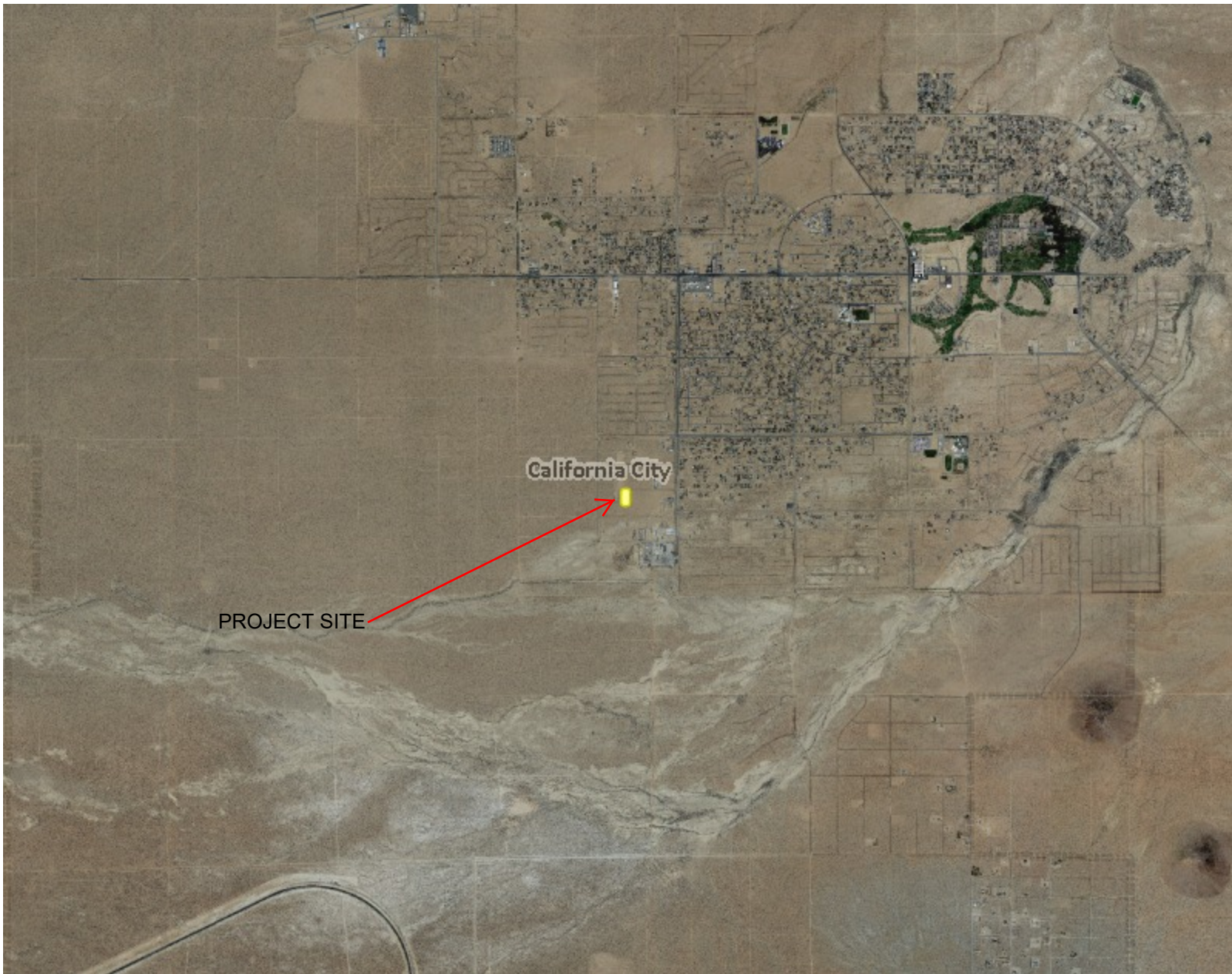
APPENDIX A

Project Environmental Exhibits

(APN: 206-041-07 & 206-041-44)



Vicinity Map (SPR 20-32 - Canterbury)



Legend

Roads>100k-250k

- Freeway
- Highway
- Major
- Unpaved

County

City Incorporated 100k

- CITIES
- CITY OF BAKERSFIELD

County Facilities

1: 72,224

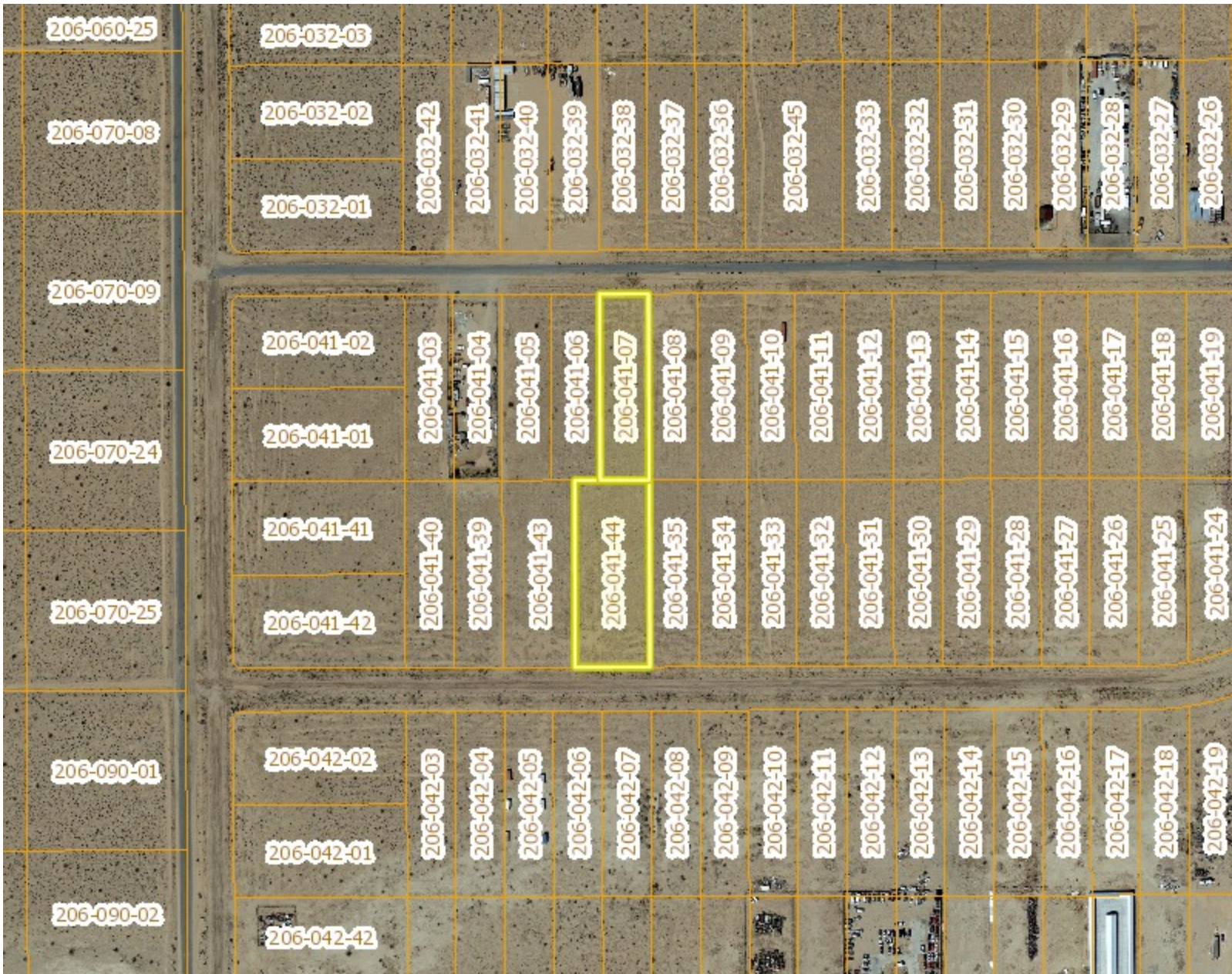


2.3 0 1.14 2.3 Miles


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Notes

Aerial Mapping (APN: 206-041-07; -44)



Legend

 Parcels Land

1:4,514




0.1 0 0.07 0.1 Miles

Notes

Airport Mapping (APN: 206-041-07; -44)



206-060-25	206-032-03																	
206-070-08	206-032-02	206-032-42	206-032-41	206-032-40	206-032-39	206-032-38	206-032-37	206-032-36	206-032-45	206-032-33	206-032-32	206-032-31	206-032-30	206-032-29	206-032-28	206-032-27	206-032-26	
	206-032-01																	
206-070-09	206-041-02	206-041-03	206-041-04	206-041-05	206-041-06	206-041-07	206-041-08	206-041-09	206-041-10	206-041-11	206-041-12	206-041-13	206-041-14	206-041-15	206-041-16	206-041-17	206-041-18	206-041-19
206-070-24	206-041-01																	
	206-041-41	206-041-40	206-041-39	206-041-43	206-041-44	206-041-35	206-041-34	206-041-33	206-041-32	206-041-31	206-041-30	206-041-29	206-041-28	206-041-27	206-041-26	206-041-25	206-041-24	
206-070-25	206-041-42																	
206-090-01	206-042-02	206-042-03	206-042-04	206-042-05	206-042-06	206-042-07	206-042-08	206-042-09	206-042-10	206-042-11	206-042-12	206-042-13	206-042-14	206-042-15	206-042-16	206-042-17	206-042-18	206-042-19
	206-042-01																	
206-090-02	206-042-42																	

Legend
 Parcels Land

1: 4,514



0.1 0 0.07 0.1 Miles

WGS_1984_Web_Mercator_Auxiliary_Sphere
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Notes



Legend

Community Services Districts

-  ARVIN CSD
-  BEAR VALLEY CSD
-  BORON CSD
-  CALIFORNIA CITY CSD
-  DESERT LAKE CSD
-  EAST NILES CSD
-  GOLDEN HILLS CSD
-  INYOKERN CSD
-  KERN RIVER VALLEY CSD
-  LAKE ISABELLA CSD
-  MOUNTAIN MEADOWS CSD
-  ROSAMOND CSD
-  SAND CANYON CSD
-  STALLION SPRINGS CSD
-  Parcels Land

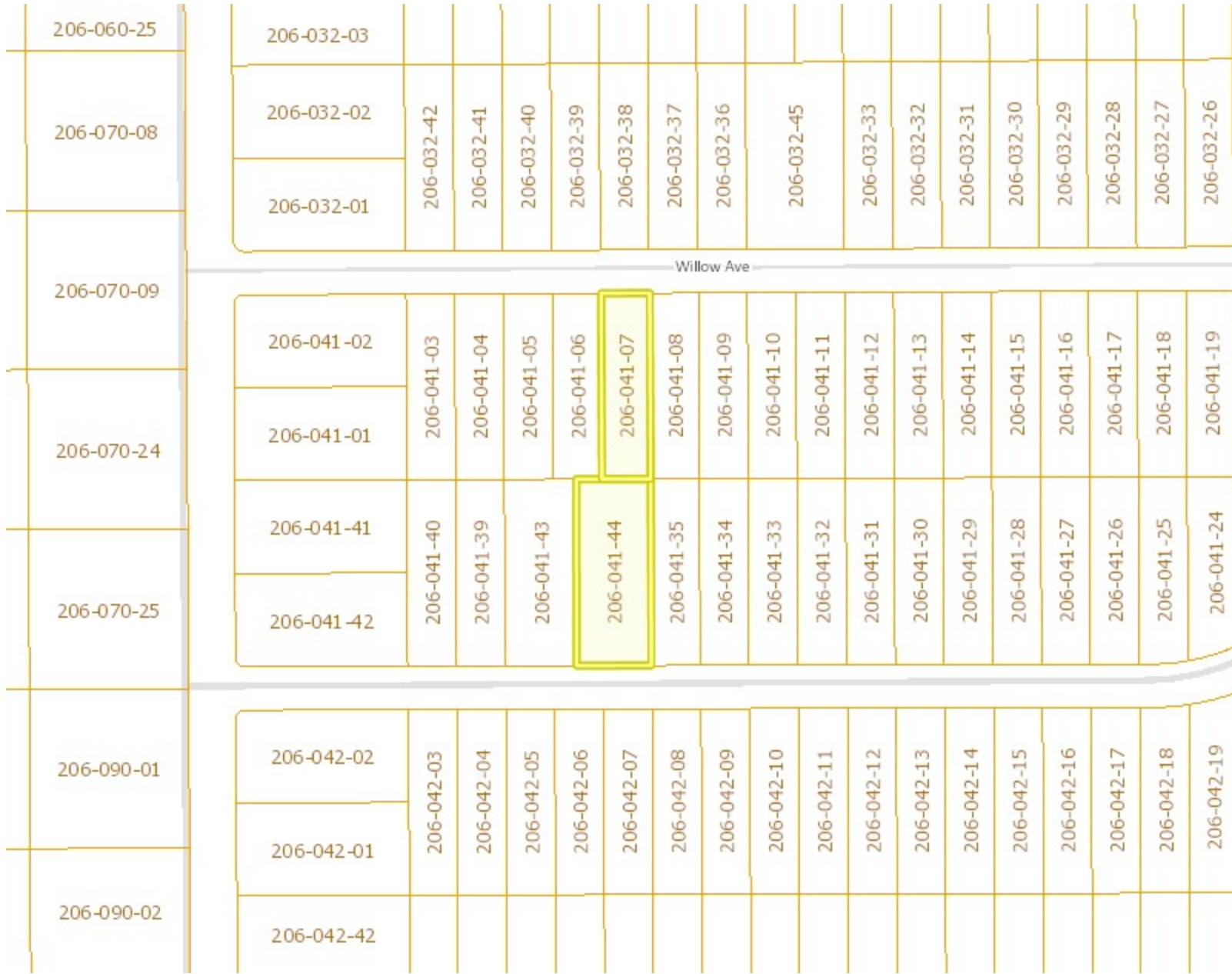
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0.1 0 0.07 0.1 Miles

Notes

Circulation Element Mapping (APN: 206-041-07; -44)



Legend

- Parcels Land
- County Maintained Roads
- Roads 3k-5k
 - Freeway
 - Highway
 - Major
 - Minor
 - Local
 - Ramp
 - Unpaved
- Road Restrictions
 - DIAG PARK
 - HANDICAP
 - NO PARKING
 - NO STOPPING
- Traffic Signals
 - DARREN TRUE
 - FLASHER
 - RJ CASTILLO
- + Railroad

1:4,514

0.1 0 0.07 0.1 Miles




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Notes



206-060-25	206-032-03
206-070-08	206-032-02
	206-032-01
	206-032-42 206-032-41 206-032-40 206-032-39 206-032-38 206-032-37 206-032-36 206-032-45 206-032-33 206-032-32 206-032-31 206-032-30 206-032-29 206-032-28 206-032-27 206-032-26
206-070-09	206-041-02
206-070-24	206-041-01
	206-041-41
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California City

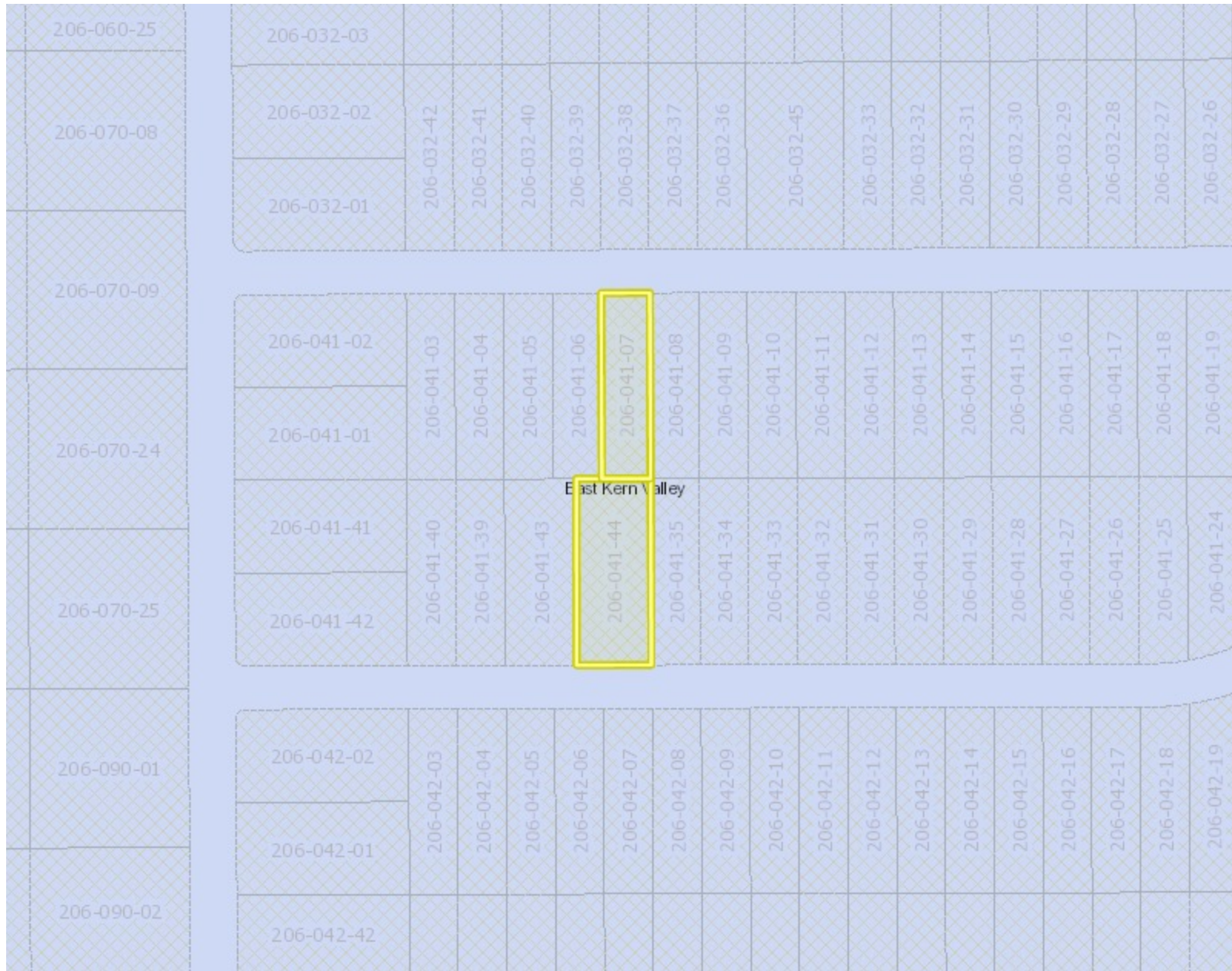
- Legend
-  Parcels Land
 -  City Spheres of Influence
 -  City Incorporated

1:4,514



0.1 0 0.07 0.1 Miles

Notes



Legend

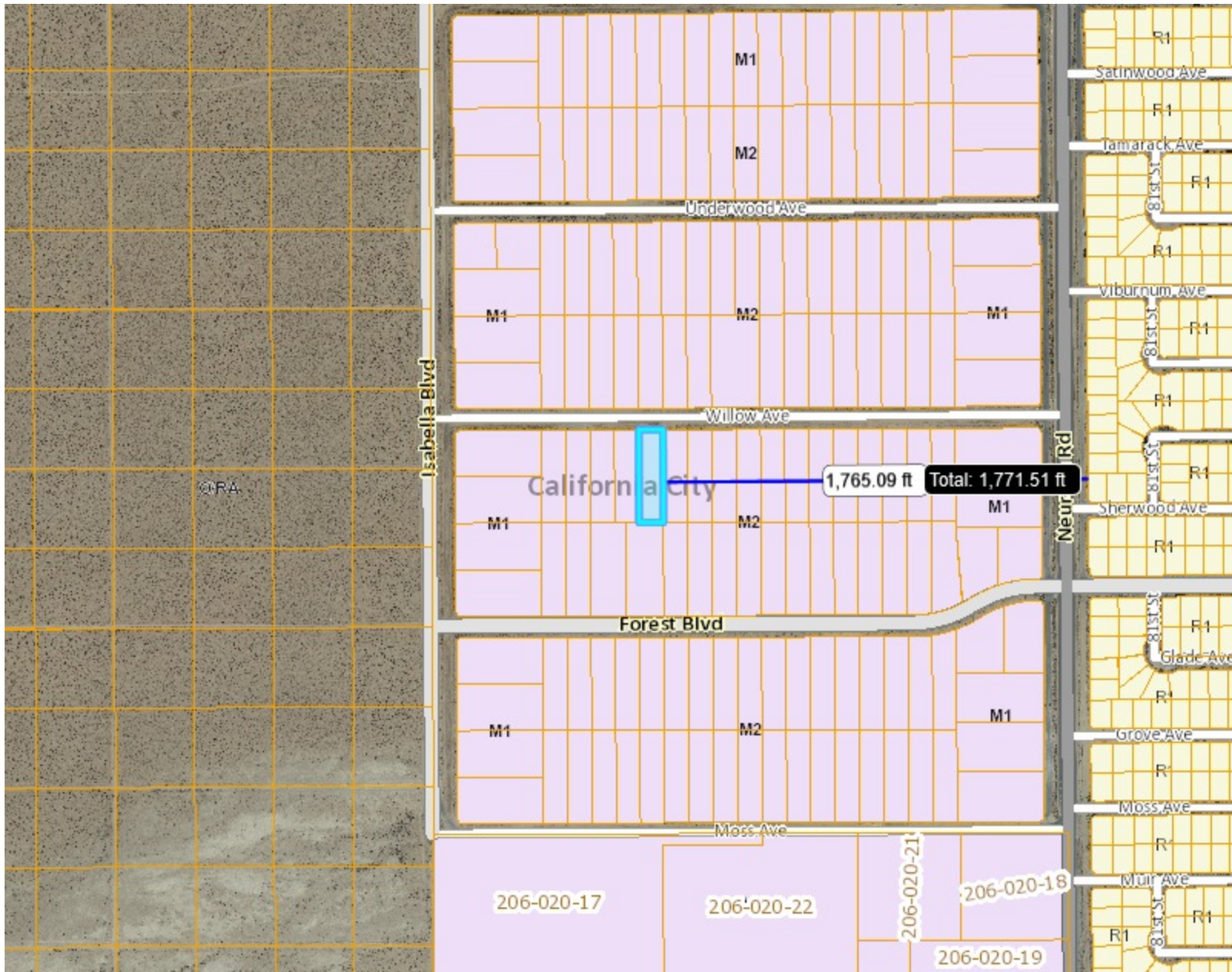
- East Kern Valley APCD
- Parcels Land

1:4,514

0.1 0 0.07 0.1 Miles

Notes

Residential Zoning Radius Map



Legend

- Parcels Land
- City Incorporated
- Zoning CalCity**
- C1
- C2
- C3
- C4
- C5
- CMC
- G
- M1
- M2
- O/RA
- R1
- R2
- R3
- R4
- R5
- RA
- RM1
- County Facilities

1: 9,028



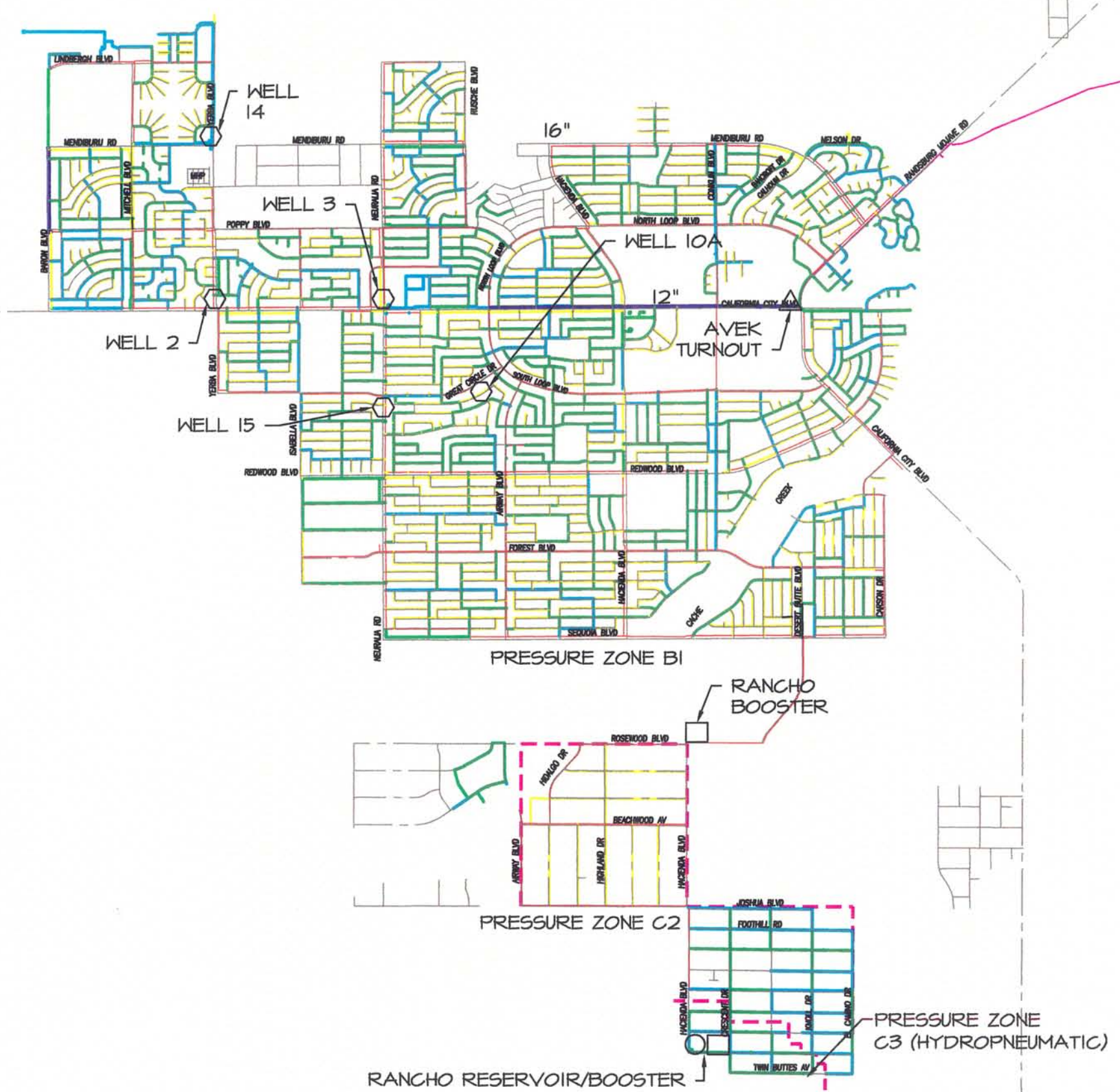
0.3 0 0.14 0.3 Miles

WGS_1984_Web_Mercator_Auxiliary_Sphere
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Notes

2.5 MG RESERVOIR
ELEVATION 2570



- LEGEND
- 20" WATER MAIN
 - 12" WATER MAIN
 - 10" WATER MAIN
 - 8" WATER MAIN
 - 6" WATER MAIN
 - 4" WATER MAIN
 - - - PRESSURE ZONE BOUNDRY

FIGURE III-1
EXISTING WATER SYSTEM
CALIFORNIA CITY WATER
MASTER PLAN
Quad Knopf



SCALE: 1" = 4000'

FIGURE 4: City Density Zone Map

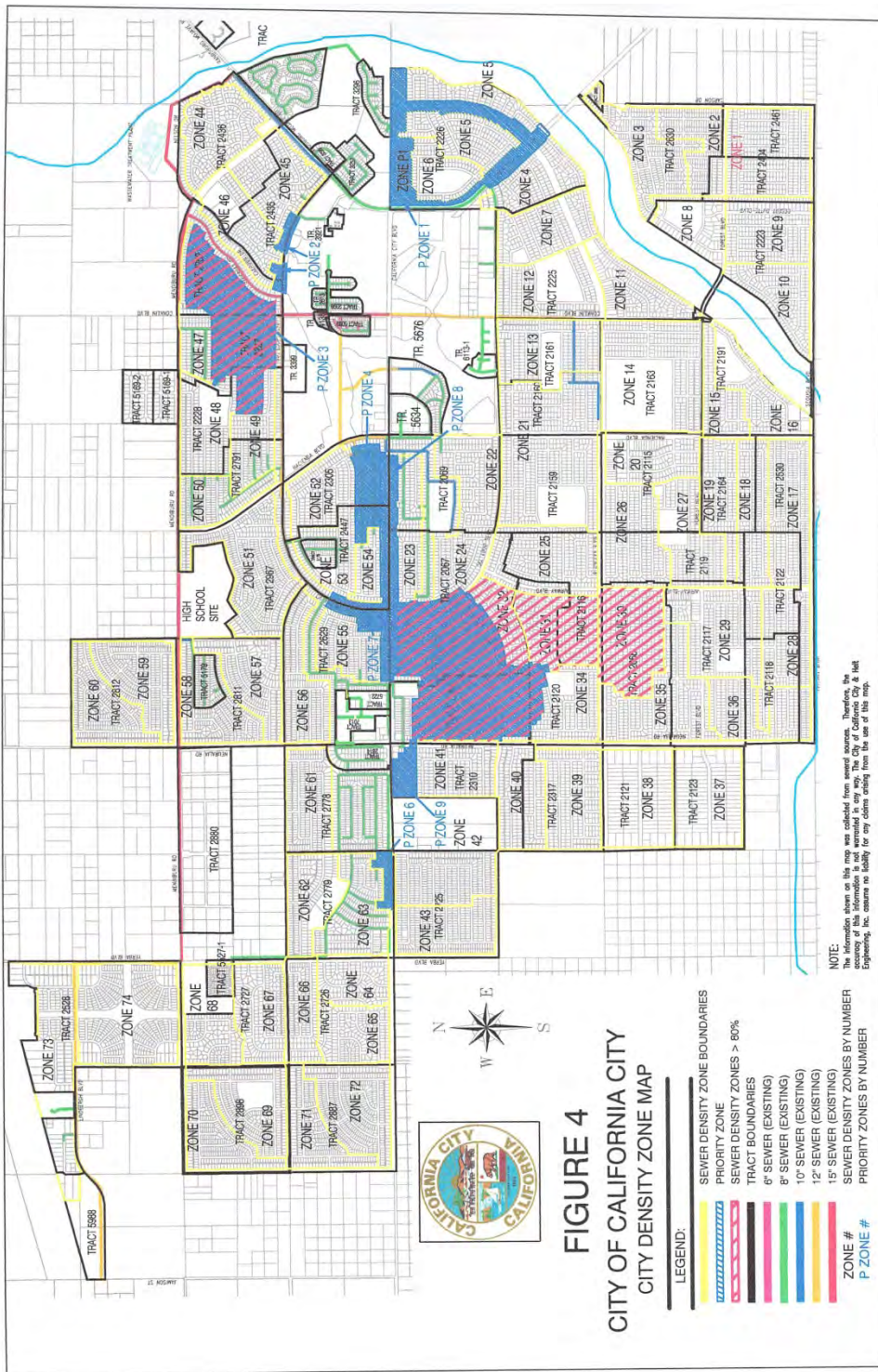


FIGURE 6: California City, Sewer Plan

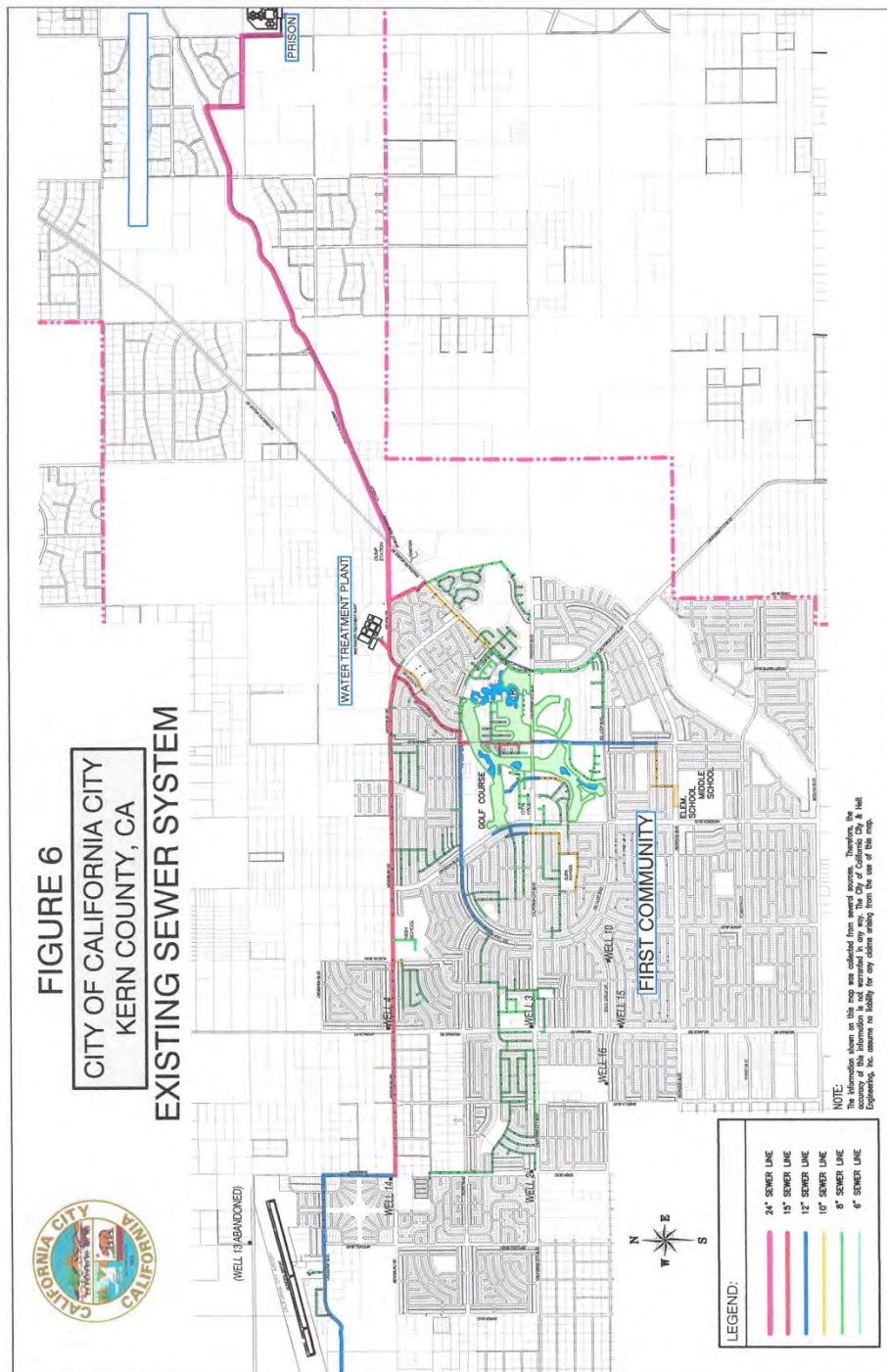
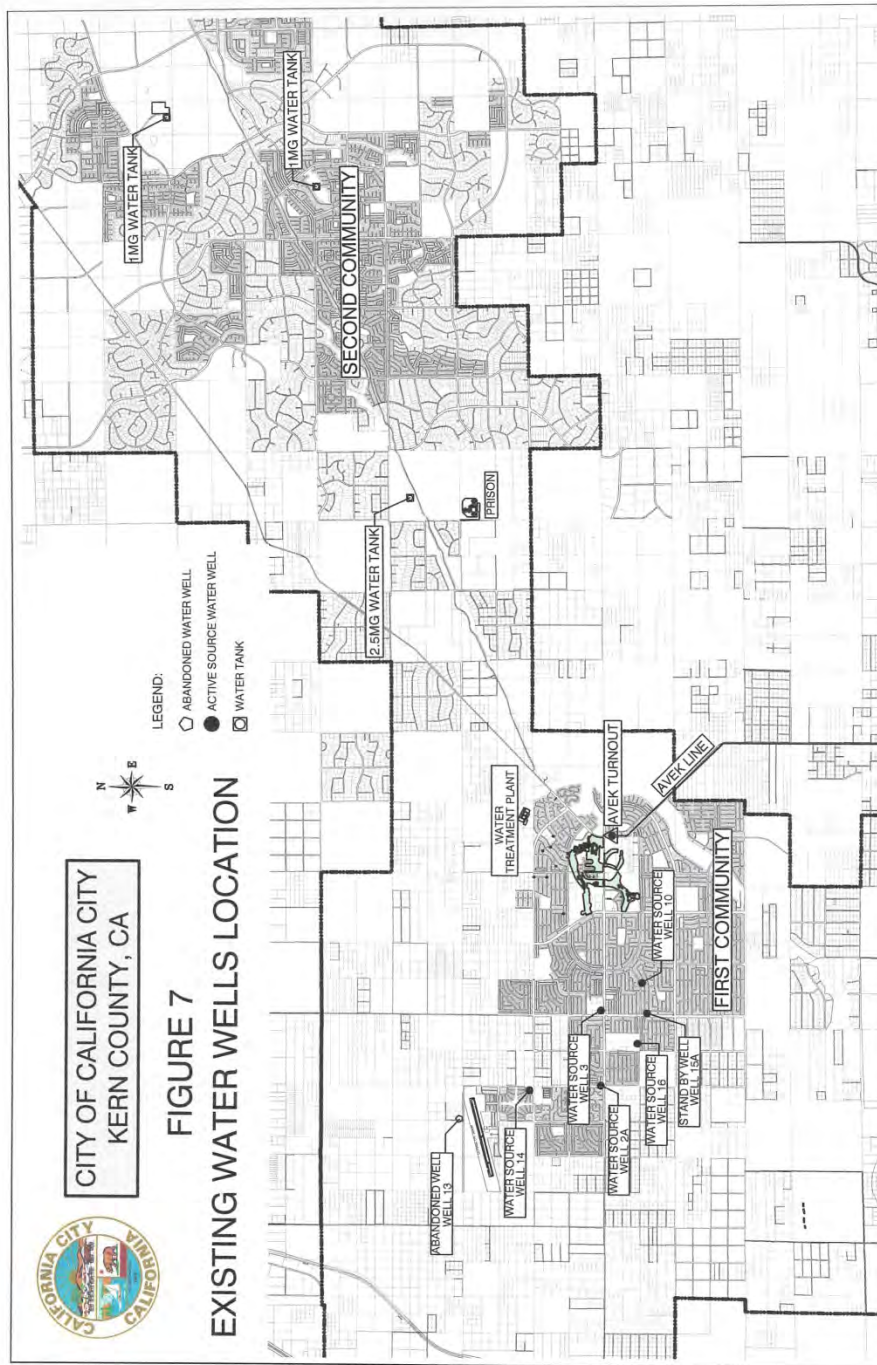


FIGURE 7: California City, Groundwater Wells Location Plan





Flooding & Drainage Mapping (APN: 206-041-07; -44)



206-060-25	206-032-03																				
206-070-08	206-032-02	206-032-42	206-032-41	206-032-40	206-032-39	206-032-38	206-032-37	206-032-36	206-032-45	206-032-33	206-032-32	206-032-31	206-032-30	206-032-29	206-032-28	206-032-27	206-032-26				
	206-032-01																				
206-070-09	206-041-02	206-041-03	206-041-04	206-041-05	206-041-06	206-041-07	206-041-08	206-041-09	206-041-10	206-041-11	206-041-12	206-041-13	206-041-14	206-041-15	206-041-16	206-041-17	206-041-18	206-041-19			
206-070-24	206-041-01																				
	206-041-41	206-041-40	206-041-39	206-041-43	206-041-44	206-041-35	206-041-34	206-041-33	206-041-32	206-041-31	206-041-30	206-041-29	206-041-28	206-041-27	206-041-26	206-041-25	206-041-24				
206-070-25	206-041-42																				
206-090-01	206-042-02	206-042-03	206-042-04	206-042-05	206-042-06	206-042-07	206-042-08	206-042-09	206-042-10	206-042-11	206-042-12	206-042-13	206-042-14	206-042-15	206-042-16	206-042-17	206-042-18	206-042-19			
206-090-02	206-042-01																				
	206-042-42																				

Legend

Parcels Land

1:4,514



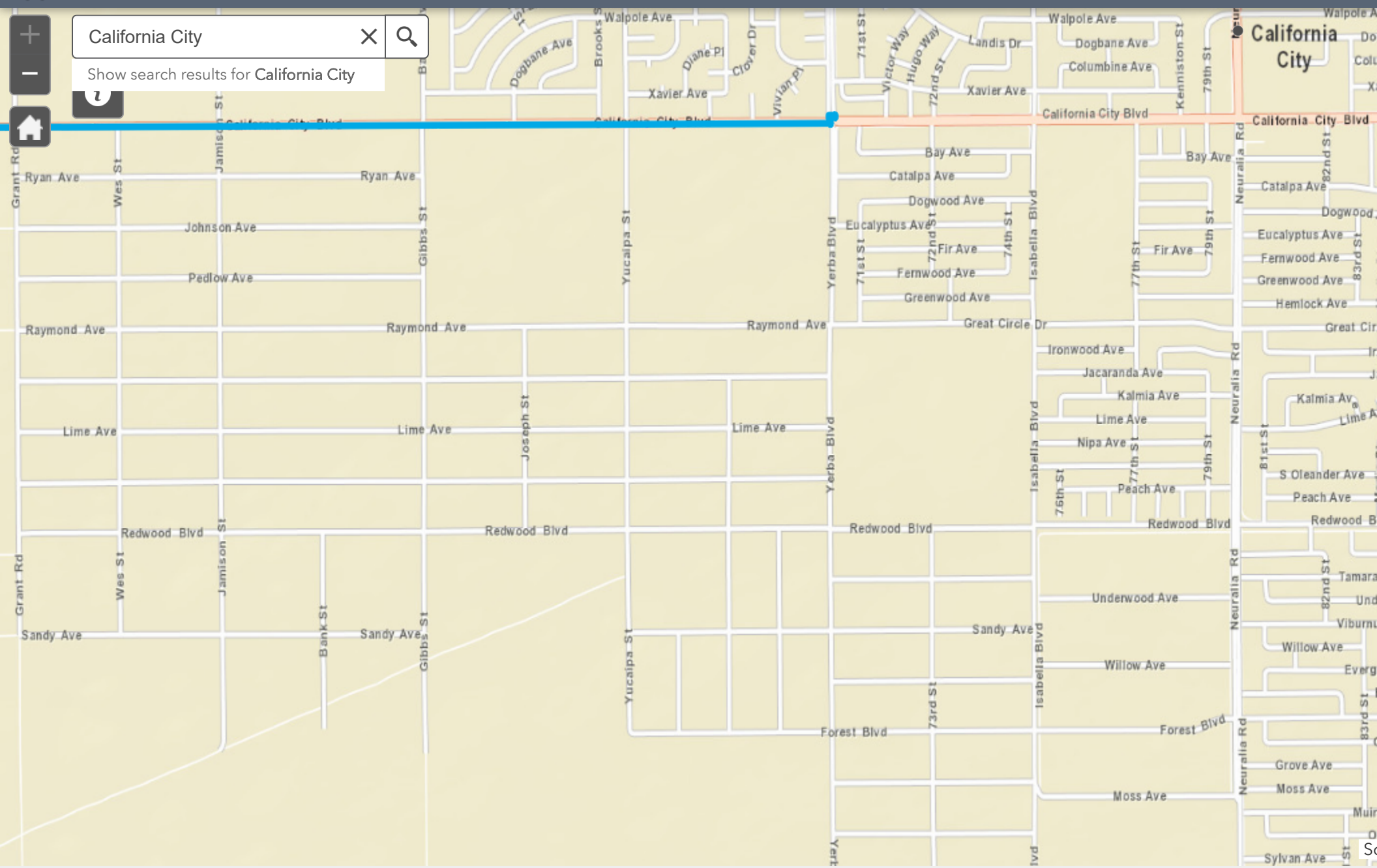
0.1 0 0.07 0.1 Miles

Notes

Gas Transmission Pipeline Interactive Map - Kern

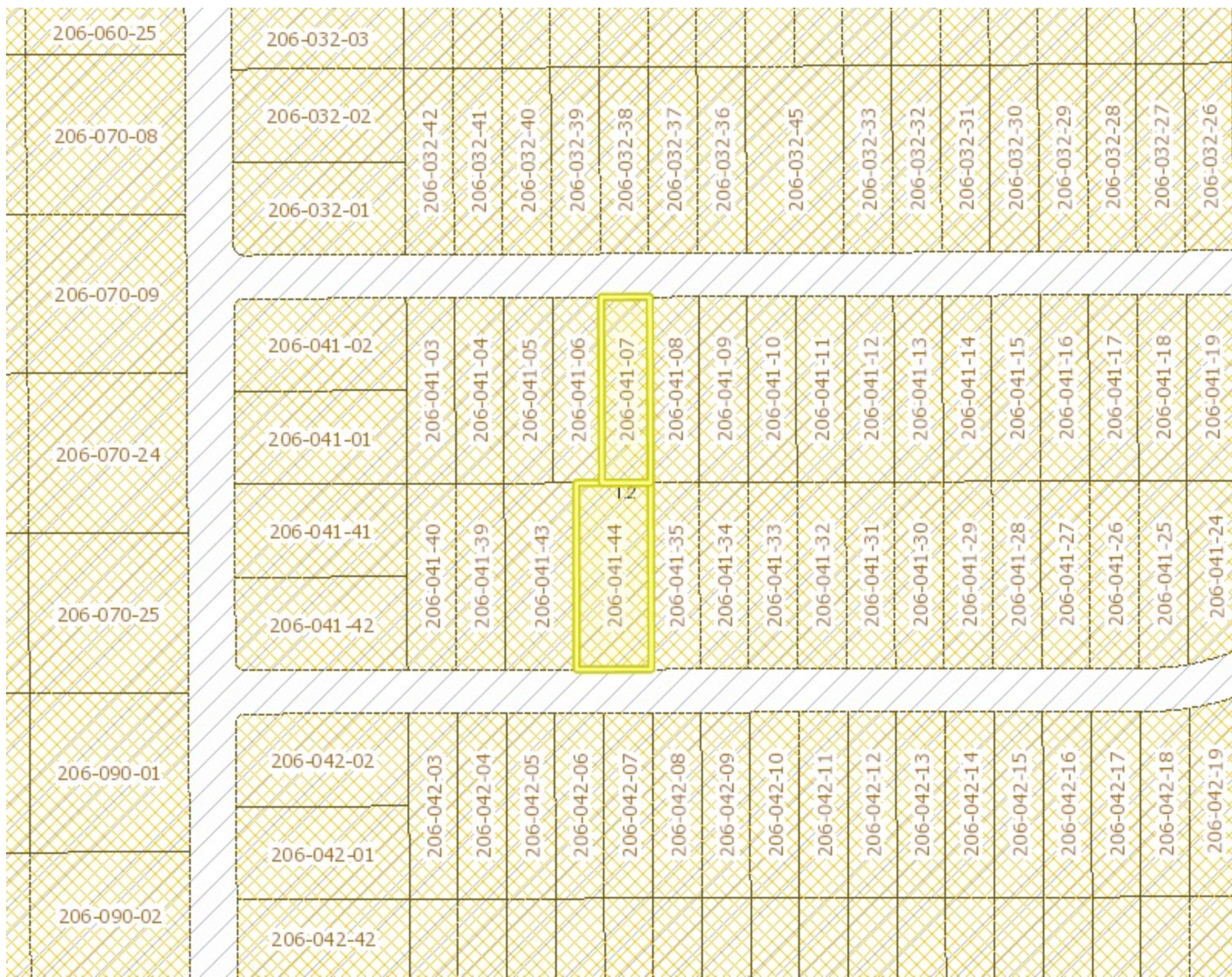


California City X 🔍
Show search results for California City




























0.3mi
-117.990 35.107 Degrees





Legend

-  Parcels Land
- General Plan**
-  1.1
-  1.2
-  3.1
-  3.2
-  3.3
-  3.4
-  3.4.1
-  3.7
-  4.1
-  4.2
-  4.3
-  5.1
-  5.2
-  5.3
-  5.4
-  5.45
-  5.5
-  5.6
-  5.7
-  5.75
-  5.8
-  6.1
-  6.2
-  6.3

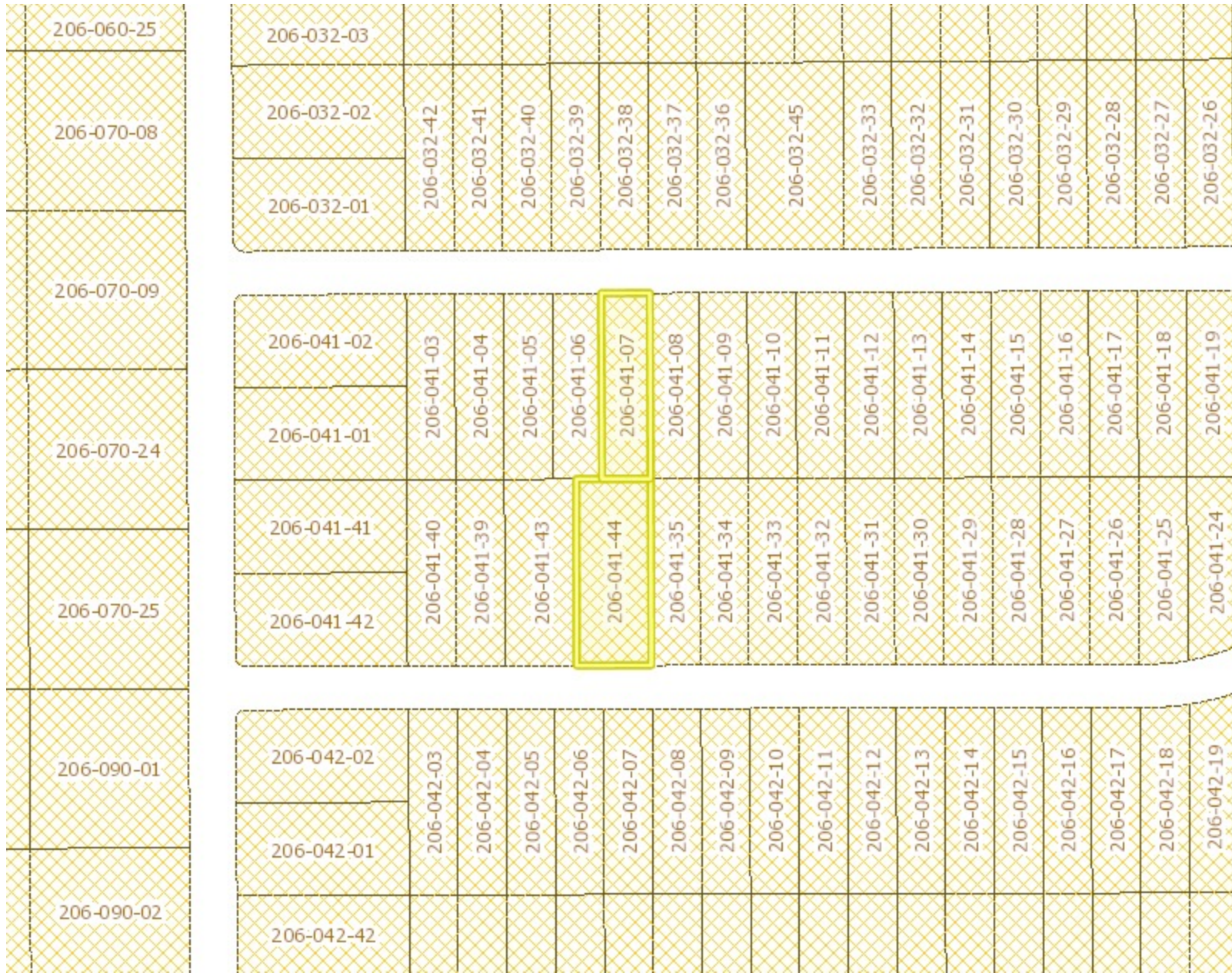
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0.1 0 0.07 0.1 Miles


Notes

Mineral Parcels Mapping (APN: 206-041-07; -44)



Legend

-  Parcels Land
-  Parcels Mineral

1:4,514 

0.1 0 0.07 0.1 Miles



Notes



April 22, 2021

Wetlands

- Estuarine and Marine Deepwater
- Freshwater Emergent Wetland
- Lake
- Estuarine and Marine Wetland
- Freshwater Forested/Shrub Wetland
- Other
- Freshwater Pond
- Riverine

This map is for general reference only. The US Fish and Wildlife Service is not responsible for the accuracy or currentness of the base data shown on this map. All wetlands related data should be used in accordance with the layer metadata found on the Wetlands Mapper web site.



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(Page last updated 4/17/18)

+

-

LEGEND

Mapping Projects

Recent

- 2019
- 2020

Active

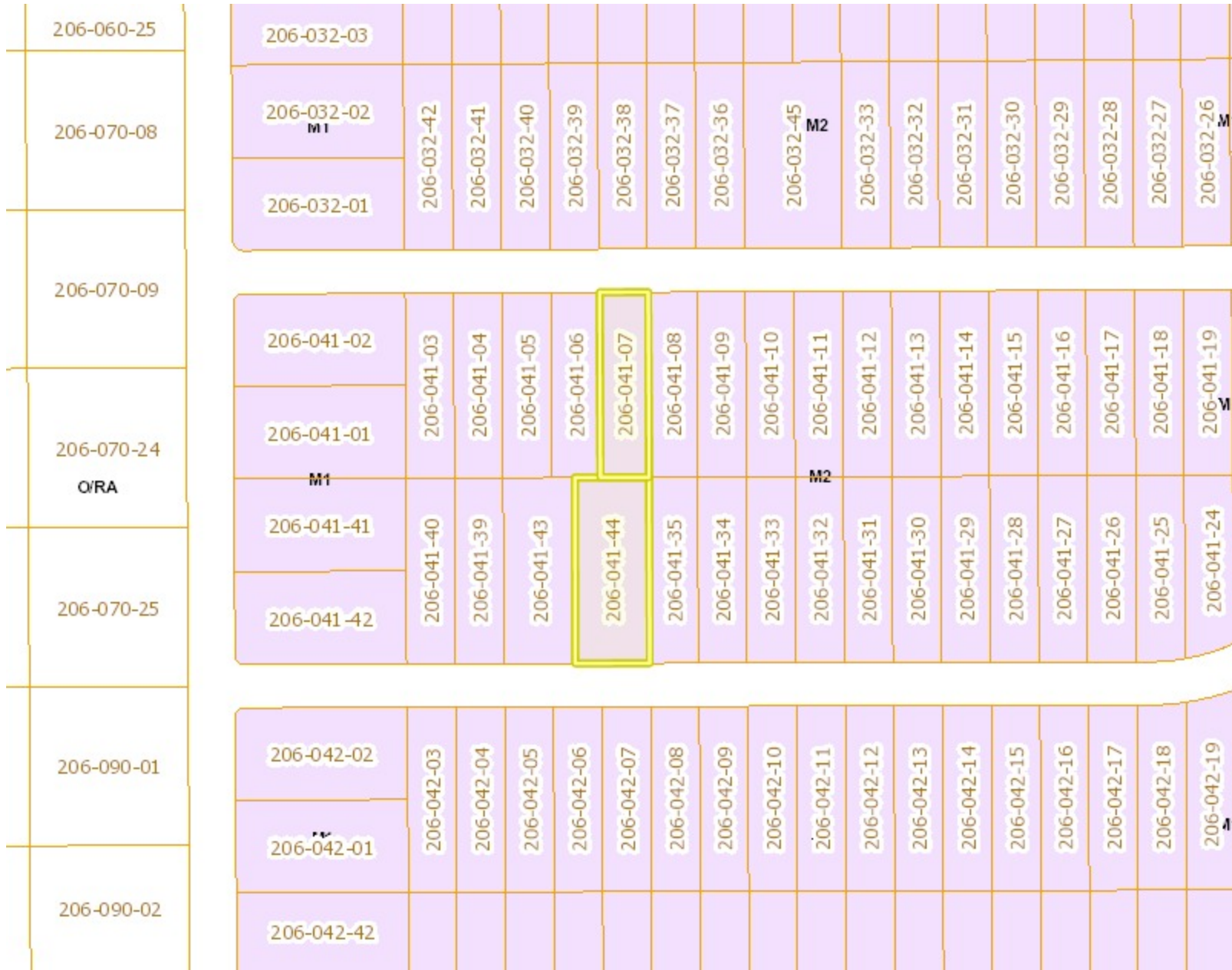


Image Year



















- 2010s
- 2000s
- 1990s
- 1980s
- 1970s
- N/A



Zoning Mapping (APN: 206-041-07; -44)



Legend

-  Parcels Land
- Zoning CalCity**
-  C1
-  C2
-  C3
-  C4
-  C5
-  CMC
-  G
-  M1
-  M2
-  O/RA
-  R1
-  R2
-  R3
-  R4
-  R5
-  RA
-  RM1

1:4,514



0.1 0 0.07 0.1 Miles

Notes

APPENDIX B

SITE PLAN

(APN: 206-041-07 & 206-041-44)

CANTERBURY MANAGEMENT L.L.C
MARIJUANA CULTIVATION GREENHOUSE FACILITIES

APN:206-041-44 AND 206-041-07-California City, California 93505-C.U.P. XX-XX L.D.P.XX-XX

PROJECT DESCRIPTION

NEW CONSTRUCTION OF FIVE PRE-ENGINEERED (ONE STORY EACH) LT. METAL FRAME GREEN HOUSES ALL UTILIZED FOR CANNABIS CULTIVATION. FIVE GREEN HOUSES PLACED ACROSS 2 PARCELS. TOTAL GROSS BUILDING AREA IS 49,066 SQUARE FEET.

LEGAL DESCRIPTION

APN: 206-041-44(PARCEL 1) AND 206-041-07 (PARCEL 2)
 TENTATIVE PARCEL MAP:XXXXXX
 ADDRESSES:XXXX-XXXX
 NORTHWEST INTERSECTION CORNER OF FOREST BLVD., WILLOW AVE. AND NUERALIA ROAD
 C.U.P. XX-XX
 L.D.P. XX-XX
 BASE AND MERIDIAN (PARCEL 1) SE 1/4, SW 1/4, NE 1/4, OF SECTION 34
 RESERVATION OF RECORD 2.24 A.C.(PARCEL 1 AND 2)
 ZONED AS M-1 MANUFACTURING INDUSTRIAL(LIGHT)
 CALIFORNIA CITY, CALIFORNIA
 COUNTY OF KERN
 STATE OF CALIFORNIA
 U.S.A.

PROJECT DATA

ADDRESSES:XXXX-XXXX, XXXXXXXX XXXXXXXX
 MERIDIAN BASELINE (PARCEL 1) SE 1/4, SW 1/4, NE 1/4 OF SECTION 34
 MERIDIAN BASELINE (PARCEL 2) SE 1/4, SW 1/4, NE 1/4 OF SECTION 34
 ZONING: MI (LIGHT MANUFACTURING)
 (E) SITE AREA (GROSS)(COMBINED PARCEL) 97,983 SQ. FT. (2.25 AC.)
 NET SITE AREA (AFTER DEDICATION) L.L.A. 95,954 SQ. FT. (2.20 AC.)
 APN:206-041-44 58,794 SQ.FT. (1.35 AC.) (BLDG. A,B,C) PARCEL 1
 APN:206-041-07 39,189 SQ. FT. (0.90 AC.) (BLDG.D,E) PARCEL 2

BUILDING CODES: 2019 CBC,CEC,CMC,CPC,CFC,CALIFORNIA ENERGY CODE,CGSBC
 STREET DEDICATION 2,029 SQ. FT. (0.047 ACRES)

PARCEL 1 (BUILDING A,B,C)
 TOTAL BUILDING AREA: 30,140 SQ. FT. (GROSS)
 OFF-OF MAIN DRIVEWAY
 LOADING/UNLOADING
 BIKE PARKING
 PROPOSED BUILDING AREAS:
 BUILDING A 11,770 SQ. FT. GROSS
 BUILDING B 11,770 SQ. FT. GROSS
 BUILDING C 6,600 SQ. FT. GROSS

BUILDING HEIGHT: 14'-0" (EAVE) 24'-0" (RIDGE) (1 STORY)
 PROPOSED OCCUPANCY: B (OFFICE) 257 SQ. FT. (1 FLOOR)
 F-1 CULTIVATION ONLY

PARCEL 2 (BUILDING 'B')
 TOTAL BUILDING AREA: 16,800 SQ. FT. (GROSS)
 OFF-OF MAIN DRIVEWAY
 LOADING/UNLOADING
 BIKE PARKING
 PROPOSED BUILDING AREAS:
 BUILDING D 10,200 SQ. FT.
 BUILDING E 6,600 SQ. FT.

BUILDING HEIGHT: 14'-0" (EAVE) 24'-0" (RIDGE) (1 STORY)
 PROPOSED OCCUPANCY: B (OFFICE) 257 SQ. FT. (1 FLOOR)
 F-1 CULTIVATION ONLY

FIRE SPRINKLERS REQUIREMENT:
 FOR ANY BUILDING OVER 10 K SQ. FT INCLUDE BUILDING A, B & D NEED TO INSTALL FIRE SPRINKLER SYSTEM

(L.L.A.) LOT LINE ADJUSTMENT
 COVERAGE SUMMARY:
 BLDG. A 11,770 SQ. FT. (12.3%)
 BLDG. B 11,770 SQ. FT. (12.3%)
 BLDG. C 6,600 SQ. FT. (6.9%)
 BLDG. D 10,200 SQ. FT. (10.6%)
 BLDG. E 6,600 SQ. FT. (6.9%)
 LANDSCAPE 15,651 SQ. FT. (16.3%)
 DRIVEWAY 31,201 SQ. FT. (32.5%)
 FLATWORK 3,365 SQ. FT. (03.5%)

DEDICATION 813 SQ. FT. (.01%) WILLOW AVE. ENTRANCE
 1,216 SQ. FT. (.02%) FOREST BLVD. ENTRANCE

PARKING COVERAGE ANALYSIS

PARKING COVERAGE
 PARCEL 1-(21 PARKING SPACES)

	AREA	FACTOR	REQUIRED	TOTAL (QTY.)
OFFICE:	257 SQ. FT.	(1/250 SQ. FT.)	1 SPACE	1 SPACE
CULTIVATION: (>20,000)	27,335 SQ. FT.	(2000 SQ. FT.)	13 SPACES	13 SPACES
TOTAL:	27,592 SQ. FT.		14 SPACES	14 SPACES

WHICH INCLUDES 1 HANDICAP UNLOADING AND PARKING SPACES

PARCEL 2-(8 PARKING SPACES)

	AREA	FACTOR	REQUIRED	TOTAL (QTY.)
OFFICE:	257 SQ. FT.	(1/300 SQ. FT.)	1 SPACE	1 SPACES
CULTIVATION: (>20,000)	15,635 SQ. FT.	(2000 SQ. FT.)	7 SPACES	7 SPACES
TOTAL:	15,892 SQ. FT.		8 SPACES	8 SPACES

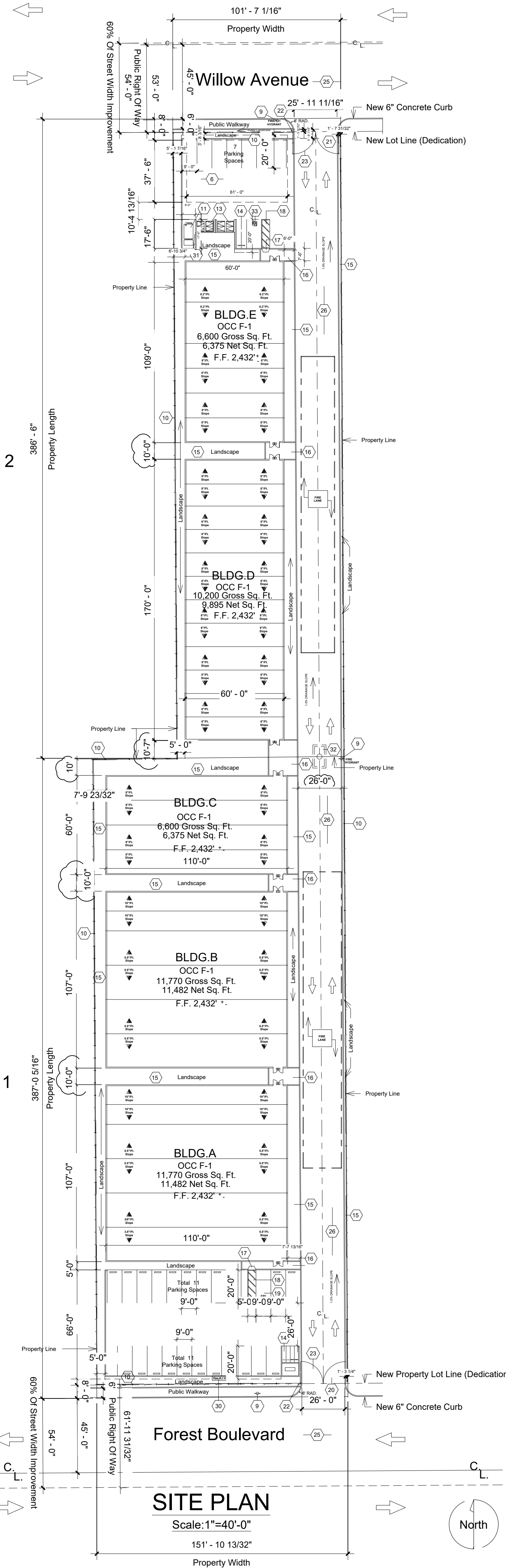
WHICH INCLUDES 1 HANDICAP UNLOADING AND PARKING SPACES

LEGEND

- 0.9% SLOPE DRAINAGE FLOW IN DRIVEWAY
- ▭ 4'-0" LONG X 10" WIDE PRECAST CONC. WHEELSTOPS
- 6" DIA. X 4'-6" TALL STL. BOLLARDS
- ▭ FIRE LANE
- ▭ SECURITY GATE ENTRANCE
- CENTER LINE
- ⊕ FIRE HYDRANT

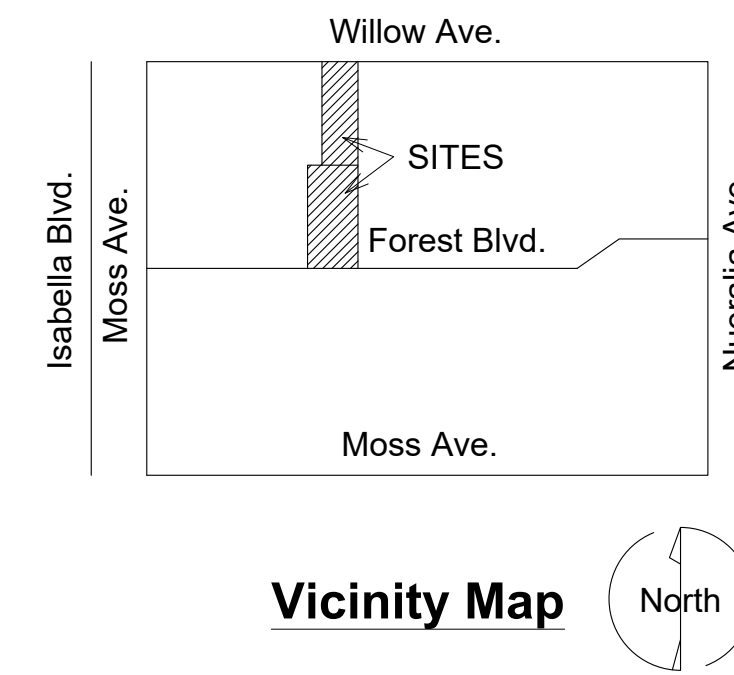
PARCEL 2

PARCEL 1



REFERENCE NOTES

- 1 (E) CENTER LINE OF RIGHT OF WAY
- 2 (E) PROPERTY LINE (ORIGINAL)
- 3 PROPOSED LOT LINE
- 4 PROPOSED PROPERTY LOT LINE AFTER DEDICATION
- 5 L.L.A. PROPERTY LINE
- 6 STORM WATER RETENTION BASIN/POOL
- 7 FIRE LANE
- 8 STREET DEDICATION AREA (2,029 SQ. FT.)
- 9 FIRE HYDRANT
- 10 7'-0" SECURITY FENCE W/RAZOR BARBED WIRE PROVIDE 12' OUTWARD WIRE ARM AT TOP.
- 11 ELECTRIC GENERATOR 1200 AMPS
- 12 LOADING/UNLOADING (12'-0" X 20'-0")
- 13 CANNABIS TRASH ENCLOSURE
- 14 BIKE PARKING
- 15 LANDSCAPE AREA
- 16 CONCRETE PAVED SIDEWALK
- 17 60" WIDE ADA TRUNCATED RAMP
- 18 60" WIDE ADA UNLOADING ZONE
- 19 ADA PARKING
- 20 PRIMARY ENTRANCE
- 21 MEANS OF EGRESS
- 22 FIRE DEPARTMENT KEY BOX (KNOX BOX)
- 23 SECURITY GATE
- 24 TYPICAL 9'-0" WIDE X 20'-0" DEEP VEHICLE PARKING SPACE
- 25 NEW PUBLIC HIGH TRAFFIC STREET (SEE CIVIL PLANS)
- 26 34" GRAVEL DRIVEWAYS (SEE CIVIL PLANS)
- 27 60% NEW PUBLIC STREET DEVELOPMENT (BY DEVELOPER)
- 28 PUBLIC WALKWAY (DEDICATION)
- 29 6" CONCRETE CURB
- 30 P.I.V.(FIRE DEPT.)
- 31 6" DIA. 4'-6" TALL BOLLARDS
- 32 3,000 GAL. SEPTIC TANK
- 33 36" PAINTED HANDICAP PARKING SYMBOL



SITE PLAN

Scale: 1"=40'-0"

151' - 10 13/32"

Revision	Date

ZYNI Engineering Inc.
 Zhang Yuan Ni P.E.
 8232 Garvey Ave. #203
 Rosemead California 91770



Site Plan

CANTERBURY CULTIVATION FACILITIES
 CALIFORNIA CITY, CALIFORNIA 93505
 CANTERBURY
 MANAGEMENT L.L.C.

Project Number:CCC-01
 Date:7.16.2020
 Drawn By:NI
 Checked By
A100.10
 Scale:As Noted

The Drawings Specifications, Ideas, Designs & Arrangements Represented Thereby, Are & Shall Remain The Exclusive Property Of ZYNI Engineering Inc. Protected By The Current Architectural Works Copyright Protection Act. And Other Applicable Laws And No Part Thereof Shall Be Copied, Disclosed To Others Or Used In Connection With Any Work Or Project For Which They Have Been Prepared & Developed Without The Written Consent Of ZYNI Engineering Inc. Visual Contact Shall Constitute Conclusive Evidence Of These Restrictions. For City Of California Building And Safety Reviewal Only.

2020 CALGREEN NONRESIDENTIAL CODE P.5

5.508.2.1 Refrigerant Piping. Piping compliant with the California Mechanical Code shall be installed to be accessible for leak protection and repairs. Piping runs using threaded pipe, copper tubing with an outside diameter (OD) less than 1/4 inch, flared tubing connections and short radius elbows shall not be used in refrigerant systems except as noted below.

5.508.2.1.1 Threaded Pipe. Threaded connections are permitted at the compressor rack.

5.508.2.1.2 Copper Pipe. Copper tubing with an OD less than 1/4 inch may be used in systems with a refrigerant charge of 5 pounds or less.

5.508.2.1.2.1 Anchorage. One forth Inch OD tubing shall be securely clamped to a rigid base to keep vibration levels below 8 mils.

5.508.2.1.3 Flared Tubing Connections. Double flared tubing connections may be used for pressure controls, valve pilot lines and oil.

Exception: Single Flared tubing connections may be used with a multiring seal coated with industrial sealant suitable for use with refrigerants and tightened in accordance with manufacturers recommendations.

5.508.2.1.4 Elbows. Short radius elbows are only permitted where space limitations prohibit use of long radius elbows.

5.508.2.1 Valves. Valves and fittings shall comply with the California Mechanical Code and as Follows:

5.508.2.2.1 Pressure Relief Valves. For vessels containing high-GWP refrigerant, a rupture disc shall be installed between the outlet of the vessel and the inlet of the pressure relief valve.

5.508.2.2.1.1 Pressure Detection. A pressure guage, pressure transducer or other device shall be installed in the space between the rupture disc and the relief valve inlet to indicate a disc rupture or discharge of the relief valve.

5.508.2.2.2 Access Valves. Only Scharder access valves with a brass or steel body are permitted for use.

5.508.2.2.2.1 Valve Caps. For systems with a refrigerant charge of 5 pounds or more, valve caps shall be brass or steel and not plastic.

5.508.2.2.2.2 Seal Caps. If designed for it, the cap shall have a neoprene O-ring in place.

5.508.2.2.2.2.1 Chain Tethers. Chain tethers to fit over the stem are required for valves designed to have seal caps.

Exception: Valves with seal caps that are not removed from the valve during stem operation.

5.508.2.3 Refrigerated Service Cases. Refrigerated service cases holding food products containing vinegar and salt shall have evaporator coils of corrosion resistant material, such as stainless steel; or be coated to prevent corrosion from these substances.

5.508.2.3. Coil Coating. Consideration shall be given to the heat transfer efficiency of coil coating to maximize energy efficiency.

5.508.2.4 Refrigerant Receivers. Refrigerant receivers with capacities greater than 200 pounds shall be fitted with a device that indicates the level of refrigerant in the receiver.

5.508.2.5 Pressure Testing. The system shall be pressure tested during installation prior to evacuation and charging.

5.508.2.5.1. Minimum Pressure. The system shall be charged with regulated dry nitrogen and appropriate tracer gas to bring system pressure up to 300 psig minimum.

5.508.2.5.2 Leaks. Check the system for leaks, repair any leaks, and retest for pressure using the same guage.

5.508.2.5.3 Allowable Pressure Change. The system shall stand, unaltered, for 24 hours with no more than a +/- one pound pressure charge from 300 psig, measured with the same guage.

5.508.2.6 Evacuation. The system shall be evacuated after pressure testing and prior to charging.

5.508.2.6.1 First Vacuum. Pull a system vacuum down to at least 1000 microns (+/-50 microns), and hold for 30 minutes.

5.508.2.6.2. Second Vacuum. Pull a second system vacuum to a minimum of 500 microns and hold for 30 minutes.

5.508.2.6.3 Third Vacuum. Pull a third vacuum down to a minimum of 300 microns, and hold for 24 hours with a maximum drift of 100 microns over a 24 hour period.

Revision	Date

ZYNI Engineering Inc.
Zhang Yuan Ni P.E.
8232 Garvey Ave. #206
Rosemead California 91770



Calgreen Notes.5

CANTEBURY CULTIVATION FACILITIES
CALIFORNIA CITY, CALIFORNIA 93505

CANTEBURY
MANAGEMENT L.L.C.

Project Number: CCC-01
Date: 7.16.2020
Drawn By: NI
Checked By
A100.60
Scale: As Noted

The Drawings Specifications, Ideas, Designs & Arrangements Represented, Thereby, Are & Shall Remain The Exclusive Property Of ZYNI Engineering Inc. Protected By The Current Architectural Works Copyright Protection Act. And Other Applicable Laws And No Part Thereof Shall Be Copied, Disclosed To Others Or Used In Connection With Any Work Or Project For Which They Have Been Prepared & Developed Without The Written Consent Of ZYNI Engineering Inc. Visual Contact Shall Constitute Conclusive Evidence Of These Restrictions. For City Of California Building And Safety Reviewal Only.

Section 1704 Special Inspections And Tests,Contractor Responsibility And Structural Observation

Section 1704 Special Inspections And Tests,Contractor Responsibility And Structural Observation

CBC Section 1704.1 General:Special inspections and tests,statements of special inspections,responsibilities of contractors,submittals to the building official and structural observations shall meet the applicable requirements of this section.

CBC Section 1704.2 Special Inspections and tests:Where application is made to the building official for construction as specified in Sections 105 or 1.8.4.,as applicable,the owner ,other than the contractor ,shall employ one or more approved agencies to provide special inspections and tests during construction on the types of work specified in section 1705 and identify the approved agencies to the building official.These special inspections and tests are in addition to the inspections by the building official .These special inspections and tests are in addition to the inspections by the building official that are identified in section 110.

[OSHDP2] An inspection agency having accreditation to the international standards organization (ISO) accreditation standard 17020 shall be deemed to comply with the requirements for an approved inspection agency.

Exceptions:

1-Special inspections and tests are not required for construction of a minor nature or as warranted by conditions in the jurisdiction as approved by the building official.
2-Does not apply on this project.

3-Unless otherwise required by th building official,special Inspections And Tests Are Not Required For portions of structures designed and constructed in accordance with the cold formed steel light frame construction provisions of section 2211.7 or the conventional light frame construction provisions of section 2308. The Contractor is permitted to employ the approved agencies where the contractor is also the owner. [HCD 1] The provisions of health and safety code division 13,part 6 and the california code of regulations,title 25, division 1,chapter 3,commencing with section 3000,shall apply to the construction and inspection of factory built housing as defined in health and safety code section 19971.

1704.2.1 Special inspector qualifications:Prior to the start of the construction,the approved agencies shall provide written documentation to the building official demonstrating the competence and relevant experience or training of the special inspectors who will perform the special inspections and tests during construction.Experience or special training shall be considered relevant where the documented experience or training is related in complexity to the same type of special inspection or testing activities for projects of similar complexity and material qualities. These qualifications are in addition to qualifications specified in other sections of this code. The registered design professional in responsible charge and engineers of record involved in the design of the project are permitted to act as the approved agency and their personnel are permitted to act as special inspectors for the work designed by them.

1704.2.2 Access for special inspection:The construction or work for which special inspection or testing is required shall remain accessible and exposed for special inspection or testing purposes until completion of the required special inspections or tests.

1704.2.3 Statement of special inspections:The applicant shall submit a statement of special inspections in accordance with section 107.1,chapter 1,division 2,as a condition for permit issuance.This statement shall be in accordance with section 1704.3

Exception:A Statement of special inspections is not required for portions of structures designed and constructed in accordance with the cold formed steel light frame construction provisions of section 2211.7 or the conventional light frame construction provisions of section 2308.

1704.2.4 Report requirement :An approved agencies shall keep records of special inspections and tests.The approved agency shall submit reports of special inspections and tests to the building official and to the registered design professional in responsible charge.Reports shall indicate that work inspected or tested was or was not completed in conformance to approved construction documents.Discrepancies shall be brought to the immediate attention of the contractor for correction.If They are not corrected,the discrepancies shall be brought to the attention of the building official and the registered design professional in responsible charge prior to the completion of that phase of that work. A final report documenting required special inspections and tests,shall be submitted at a point in time agreed upon prior to start of the work by the owner or the owners authorized agent to the building official.

1704.2.5 Special inspection of fabricated items:Where fabrication of structural,loadbearing or lateral load bearing resisting members or assemblies is being conducted on the premises of a fabricators shop,special inspections of the fabricated items shall be performed during fabrication.

Exceptions:

1-Special inspections during fabrication are not required where the fabricator maintains approved detailed fabrication and quality control procedures that provide a basis for the control of the workmanship and the fabricators ability to conform to approved construction documents and this code.Approval shall be based upon review of fabrication and quality control procedures and periodic inspection of fabrication practices by the building official.
2-Special inspections are not required where the fabricator is registered and approved in accordance with section 1704.2.5.1

1704.2.5.1 Fabricator approval:Special inspections during fabrication are not required where the work is done on the premises of a fabricator registered and approved to perform such work without special inspection.Approval shall be based upon review of the fabricators written procedural and quality control manuals and periodic auditing of fabrication practices by an approved agency.At completion of fabrication ,the approved fabricator shall submit a certificate of compliance to the owner or owners authorized agent for submittal to the building official as specified in section 1704.5 stating that the work was performed in accordance with the approved construction documents.

1704.3 Statement of special inspections.

Where special inspections or tests are required by section 1705,the registered design professional in responsible charge shall prepare a statement of special inspections in accordance with section 1704.3 for submittal by the applicant in accordance with section 1704.2.3

Exception:The statement of special inspections is permitted to be prepared by a qualified person approved by the building official for construction not designed by a registered design professional.

1704.3.1 Content of statement of special inspections:The statement of special inspections shall identified the following:

- 1-The materials,systems,components and work required to have special inspections or tests by the building official or by the registered design professional responsible for each portion of the work.
- 2-The type and extent of each inspection.
- 3-The type and extent of each test.
- 4-Additional requirements for special inspections or test for seismic or wind resistance as specified in sections 1705.11, 1705.12,and 1705.13
- 5-For each type of special inspection as to whether it will be continuous special inspection,periodic special inspection or performed in accordance with the notation used in the reference standard where the inspections are defined.

1704.3.2 Seismic requirements in the statement of special inspections:Where section 17-5.12 or 1705.13 specifies special inspections or tests for seismic resistance,the statement of special inspections shall identify the designated seismic systems and seismic force resisting systems that are subject to the special inspections or tests.

1704.3.3 Wind requirements in the statement of special inspections:Where section 1705.11 specifies special inspection for wind resistance,the statement of special inspections shall identify the main wind force resisting systems and wind resisting components that are subject to special inspections.

1704.4 Contractor responsibility:Each contractor responsible for the construction of a main wind or seismic force resisting system,designated seismic system or a wind or seismic force resisting component listed in the statement of special inspections shall submit a written statement of responsibility to the building official and the owner or the owners authorized agent prior to the commencement of work on the system or component.The contractors statement of responsibility shall contain acknowledgment of awareness of the special requirements contained in the statement of special inspections.

1704.5 Submittals to the building official:In addition to the submittal of reports of special inspections and tests in accordance with section 1704.2.4,reports and certificates shall be submitted by the owner or owners authorized agent to the building official for each of the following:

- 1-Certificates of compliance for the fabrication of structural,load bearing or lateral load resisting members or assemblies on the premises of a registered abd approved fabricator in accordance with section 1704.2.5.1.
- 2-Certificates of compliance for the seismic qualification of non structural components,supports and attachments in accordance with section 1704.13.2
- 3-Certificates of compliance for designated seismic systems in accordance with section 1705.13.3
- 4-Reports of preconstruction tests for shotcrete in accordance with section 1908.5
- 5-Certificates of compliance for open web steel joists and joist girders in accordance with section 2207.5.
- 6-Reports of material properties verifying compliance with the requirements of AWS D 1.4 for weldability as specified in section 26.6.4 of ACI 318 for reinforcing bars in concrete complying with a standard other than ASTM A706 that are to be welded and
- 7-Reports of mill tests in accordance with section 20.2.5 of ACI 318 for reinforcing bars complying with ASTM A615 and used to resist earthquake induced flexural or axial forces in the special moment frames,special structural walls or coupling beams connecting special structural walls of seismic force resisting systems in structures assigned to seismic design category B,C,D,E, or F.

1704.6 Structural observations: Where required by the provisions of section 1704.6.1 or 1704.6.2,the owner or the owners authorized agent shall employ a registered design professional to perform structural observations. Structural observation does not include or waive the responsibility for the inspections in section 110 or the special inspections in section 1705 or other sections of this code.

Prior to the commencement of observations,the structural observer shall submit to the building official a written statement identifying the frequency and extent of structural observations.

At the conclusion of the work included in the permit,the structural observer shall submit to the building official a written statement that the site visits have been made and identify any reported deficiencies that,to the best of the structural observers knowledge,have not been resolved.

1704.6.1 Structural observations for seismic resistance : Structural observations shall be provided for those structures assigned to seismic design category D,E, or F where one or more of the following conditions exist:

- 1-The structure is classified as risk category 3 or 4.
- 2-The height of the structure is greater than 75 feet(22860 mm) above the base as defined in ASCE 7.
- 3-The structure is assigned to seismic design category E,is classified as risk category 1 or 2,and is greater than two stories above grade plane.
- 4-When so designated by the registered design professional responsible for the structural design.
- 5-When such observation is specifically required by the building official.

1704.6.2 Structural observations for wind requirements: Structural observations shall be provided for those structures sited where Vasd as determined in accordance with section 1609.3.1 exceeds 110 mph (49m/sec),where one or more of the following conditions exist:

- 1-The structure is classified as risk categorie 3 or 4.
- 2-The building height is greater than 75 feet (22860 mm).
- 3-When so designated by the registered design professional responsible for the structural design.
- 4-When such observation is specifically required by the building official.

Table 601 And Table 602 Fire Resistance Rating Requirements For Building Elements And For Exterior Wall Based On Fire Separation Distance

		Type 2-B	
Structural Frame		0 Hr.	
	Bearing Wall	Exterior	0 Hr.
		Interior	0 Hr.
Bearing Wall Non Bearing Walls And Fire Partitions	Exterior	X<5	Occupancy:F-1.2 Hr.
		5 < X<10	Occupancy:F-1.2 Hr.
		10 < X<30	0 Hr.
		X>30	0 Hr.
Non Bearing Walls And Partitions	Interior	0 Hr.	
		0 Hr.	
Floor Construction		0 Hr.	
Roof Construction		0 Hr.	

For Allowable Area Of Openings

Table 705.8 Maximum Area Of Exterior Wall Openings

Classification	Fire Separation Distance (Feet)		
	10 To Less Than 15	15 To Less Than 20	20 To Less Than 25
Of Opening			
Unprotected, Fire Sprinkled	45%	75%	No Limit
	West Side Of Building No Opening		North,East,And South Side Of Building


Permit Information

Fire Sprinkler And Fire Alarm
Signage
Storage Shelving And Rack
Retaing Wall Or Fence
Grading Work
Demolition
Mechanical,Electrical,Plumbing Work

Separate Permit
Separate Permit
Separate Permit
Separate Permit
Separate Permit
Separate Permit

Revision	Date

ZYNI Engineering Inc.
Zhang Yuan Ni P.E.
8232 Garvey Ave. #206
Rosemead California 91770



Professional Engineer

CBC Section 1704

**CANTEBURY CULTIVATION FACILITIES
CALIFORNIA CITY, CALIFORNIA 93505**

**CANTEBURY
MANAGEMENT L.L.C.**

Project Number:CCC-01
Date:7.16.2020
Drawn By:NI
Checked By
A100.70
Scale:As Noted

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 Rosemead California 91770



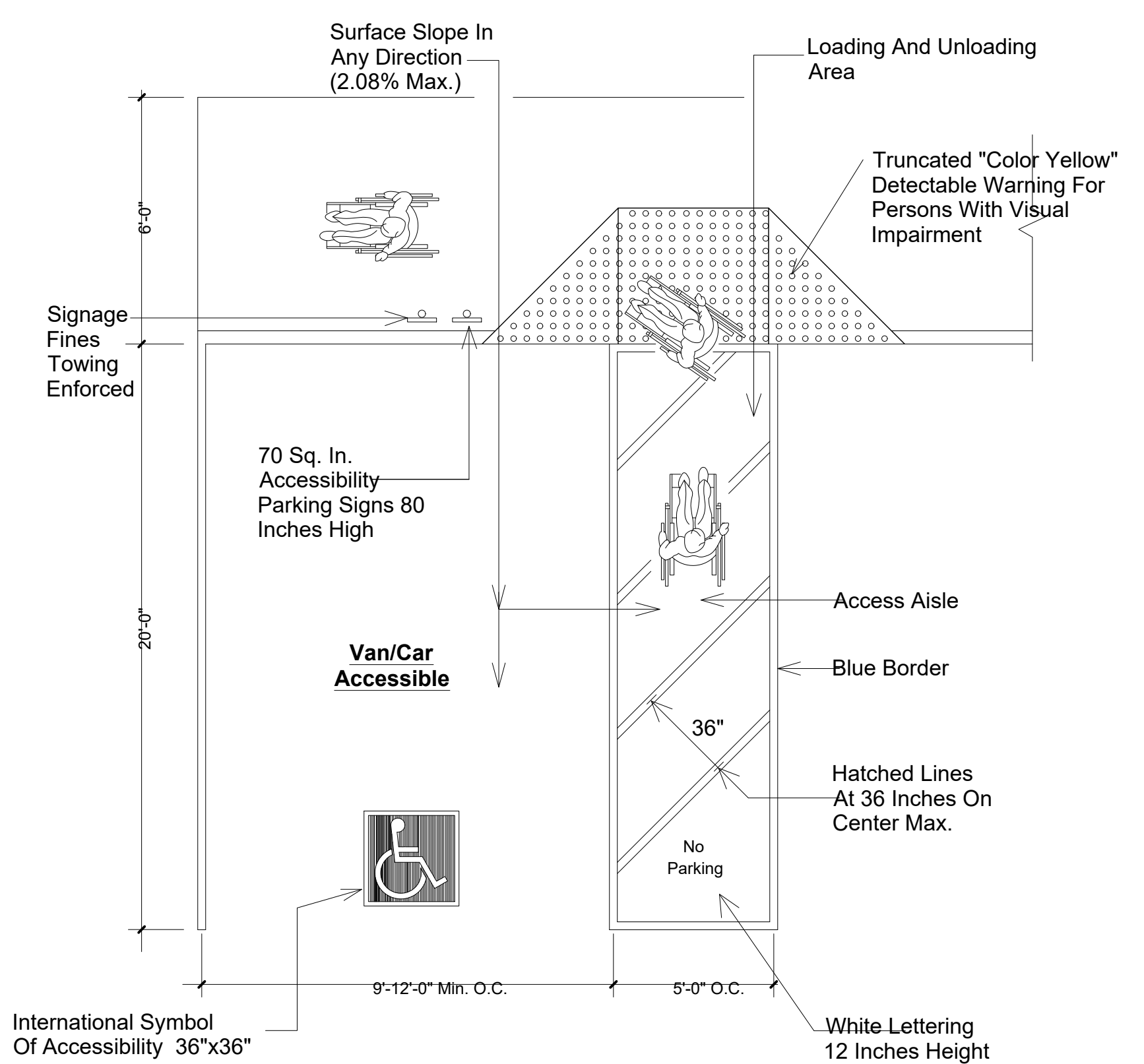
ADA Handicap Compliance. 1

CANTEBURY CULTIVATION FACILITIES
 CALIFORNIA CITY, CALIFORNIA 93505

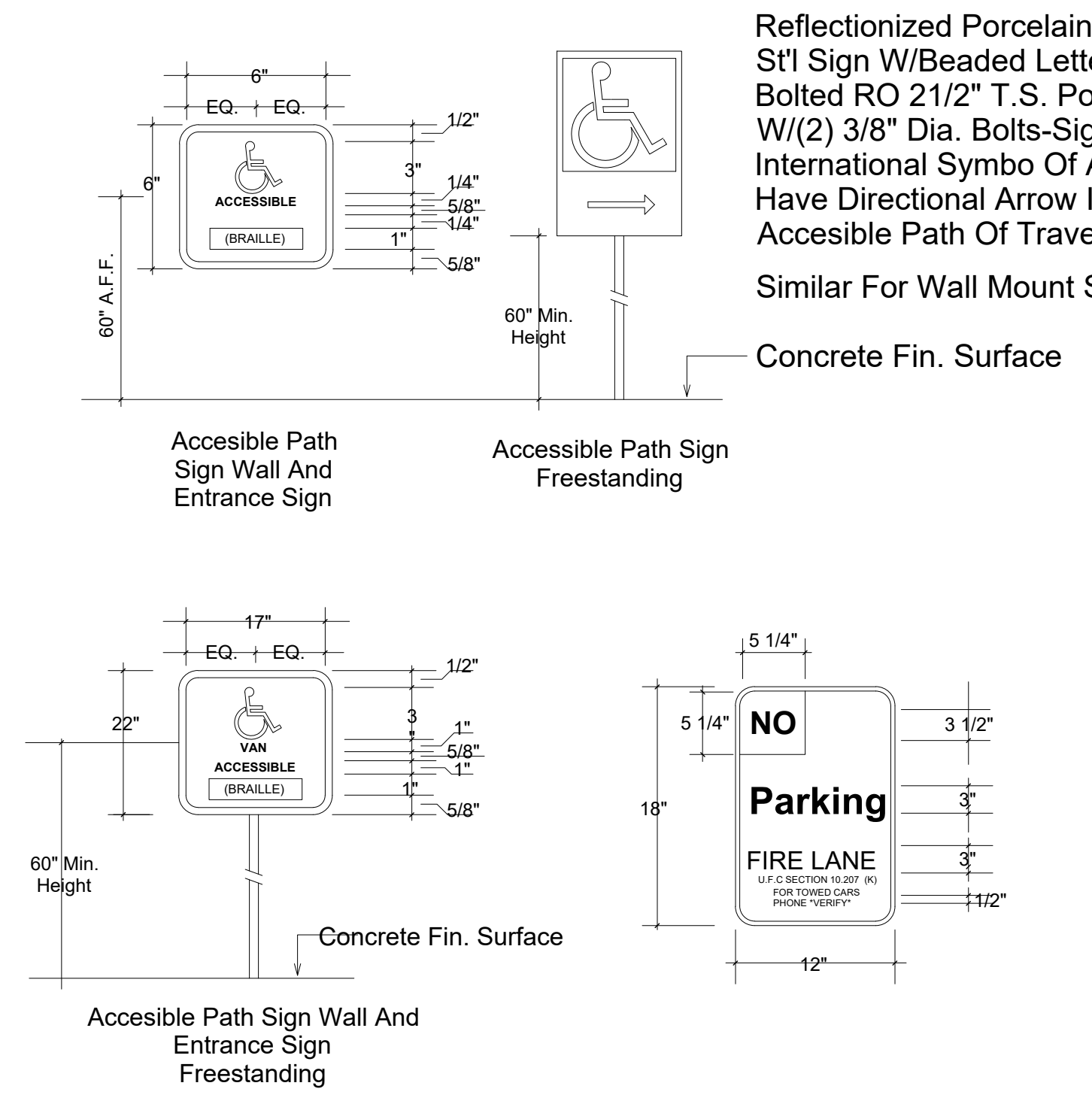
CANTEBURY
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Project Number: CCC-01
Date: 7.16.2020
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A101
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Van/Car Accessible
 Not To Scale



Reflectionized Porcelain Enameled Sign W/ Beaded Letters Or Equal Bolted RO 2 1/2" T.S. Powder Coated Sign W/ (2) 3/8" Dia. Bolts - Sign To Display International Symbol Of Accessibility And Have Directional Arrow Indicating The Accessible Path Of Travel.

Similar For Wall Mount Signs

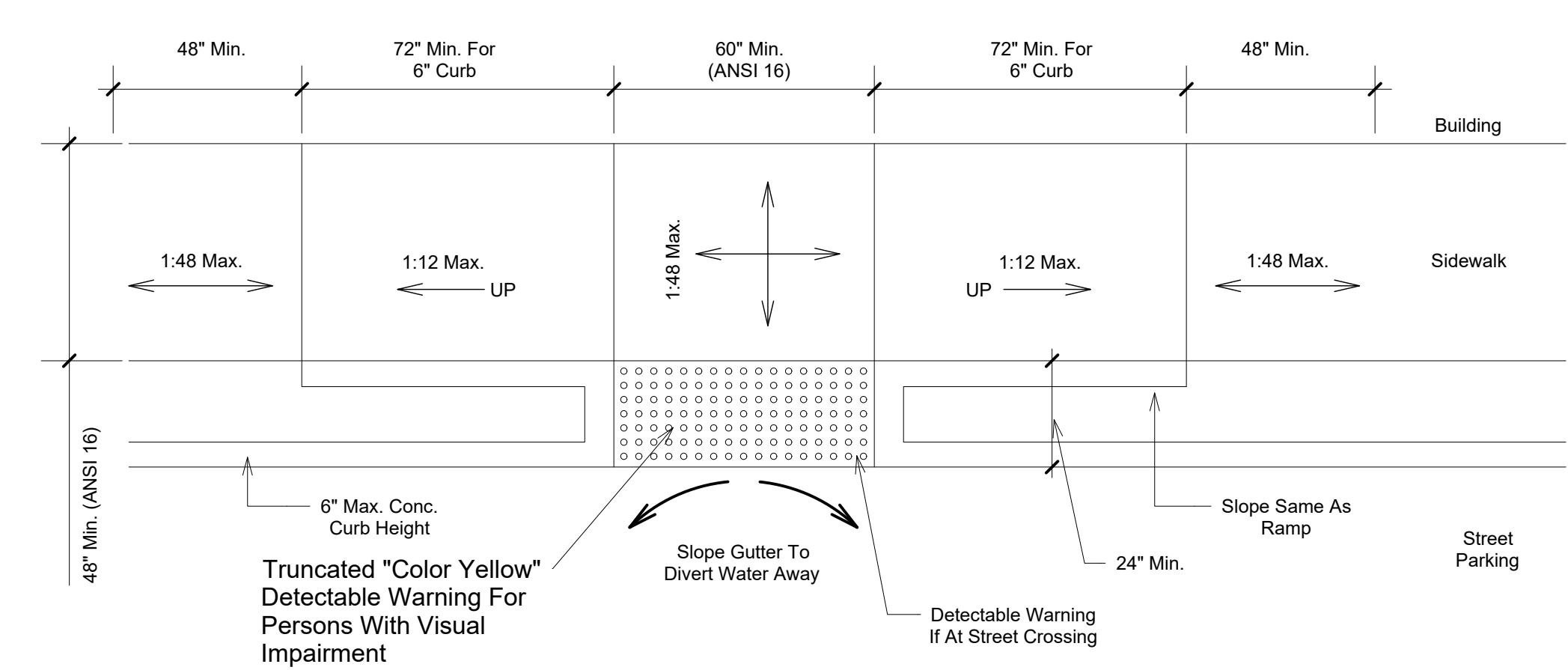
Each Parking Space Reserved For The Handicapped Shall Be Identified By:

(A) A Permanently Affixed ReflectORIZED Sign Constructed Of Porcelain On Steel, Beaded Text, Or Equal Displaying The International Symbol Of Accessibility. This Sign Shall Not Be Smaller Than (70) Inches In Area And Shall Be Centered At The Interior End Of The Parking Space At A Minimum Height Of Eighty (72) Inches From The Bottom Of The Sign To The Parking Space, Finished Grade Or Centered On The Wall At The Interior End Of The Parking Space At A Minimum Height Of Thirty-Six (36) Inches From The Parking Space Finished Grade, Ground Or Sidewalk. A Sign Shall Be Posted In A Conspicuous Place At Each Entrance To The Off Street Parking Facility, Not Less Than 17 Inches By 22 Inches (431.8mm x 558.8 mm In Size With Lettering Not Less Than One (1) Inch (25.4mm) In Height, Which Clearly And Conspicuously States The Following:

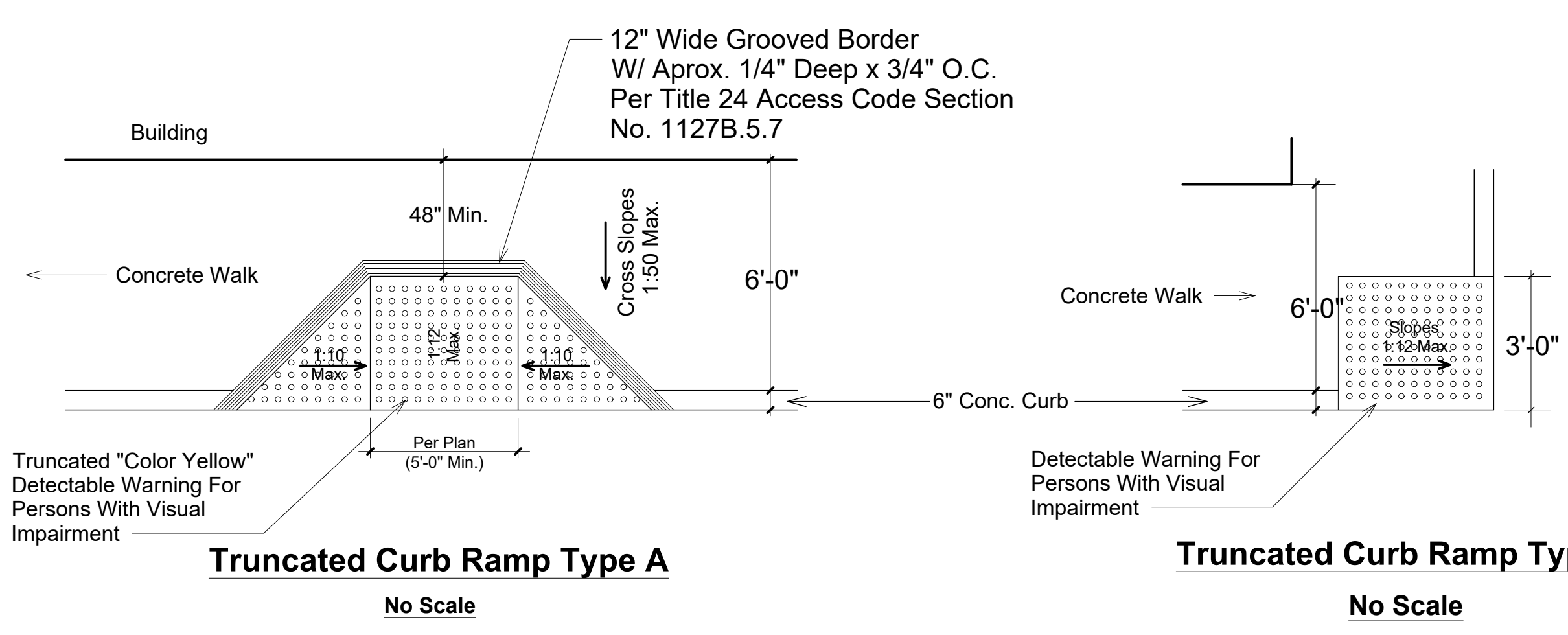
"Unauthorized Vehicles Not Displaying Distinguishing Placards Or License Plates Issued For Physically Handicapped Persons May Be Towed Away At Owners Expense. Towed Vehicle May Be Reclaimed At _____ Or _____"

A.D.A. Parking Accessibility Notes:

- 1- Accessible Parking Spaces Complying With Section 11B-502 Parking Spaces Serving A Particular Building Or Facility Shall Be Located On The Shortest Accessible Route Of Travel From Adjacent Parking To An Accessible Entrance As Near As Practical To An Accessible Entrance. (CBC Section 11B-208.3.1)
- 2- Access Aisles Shall Be Marked With A Blue Painted Borderline Around Their Perimeter. The Area Within The Blue Borderlines Shall Be Marked With Hatch Lines A Maximum Of 36 Inches On Center In A Color Contrasting With That Of The Aisle Surface, Preferably Blue Or White. The Words "NO PARKING" Shall Be Painted On The Surface With Each Access Aisle In White Letters A Minimum Of 12 Inches In Height And Located To Be Visible From The Adjacent Vehicular Way. (CBC Section 11B-502.3.3)
- 3- Access Aisles Shall Not Overlap The Vehicular Way. Access Aisles Shall Be Permitted To Be Placed On Either Side Of The Parking Space Except For Van Parking Spaces Which Shall Have Access Aisles Located On The Passenger Side Of The Parking Spaces. (CBC Section 11B-502.3.4)

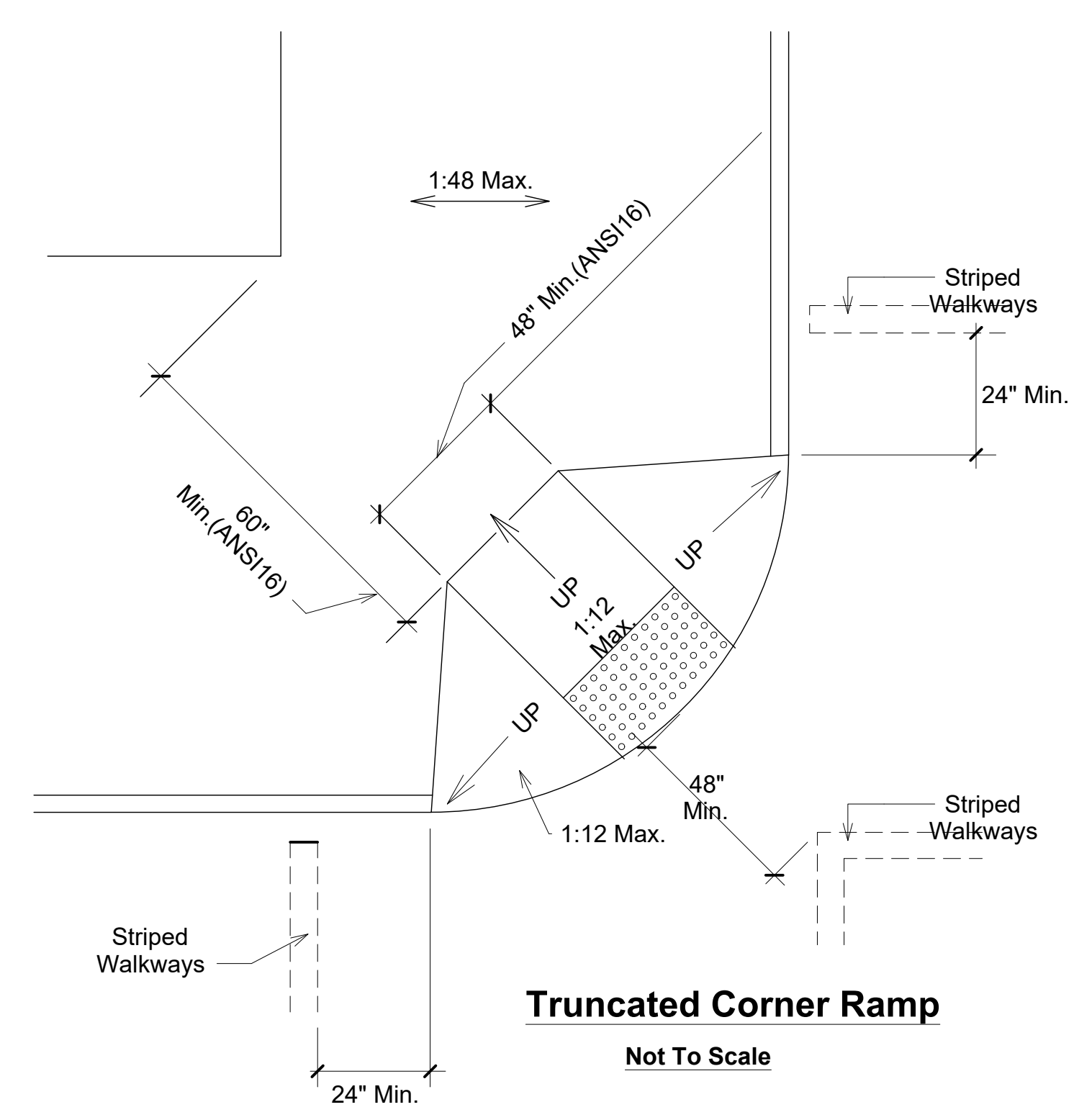


90-Degree Turn To Curb Ramp
 Utilized When There Is Insufficient Sidewalk Space For Return Curb Or Flares At An Access Aisle Or Mid-Block Crossing
 Not To Scale



Curb Ramps Notes:

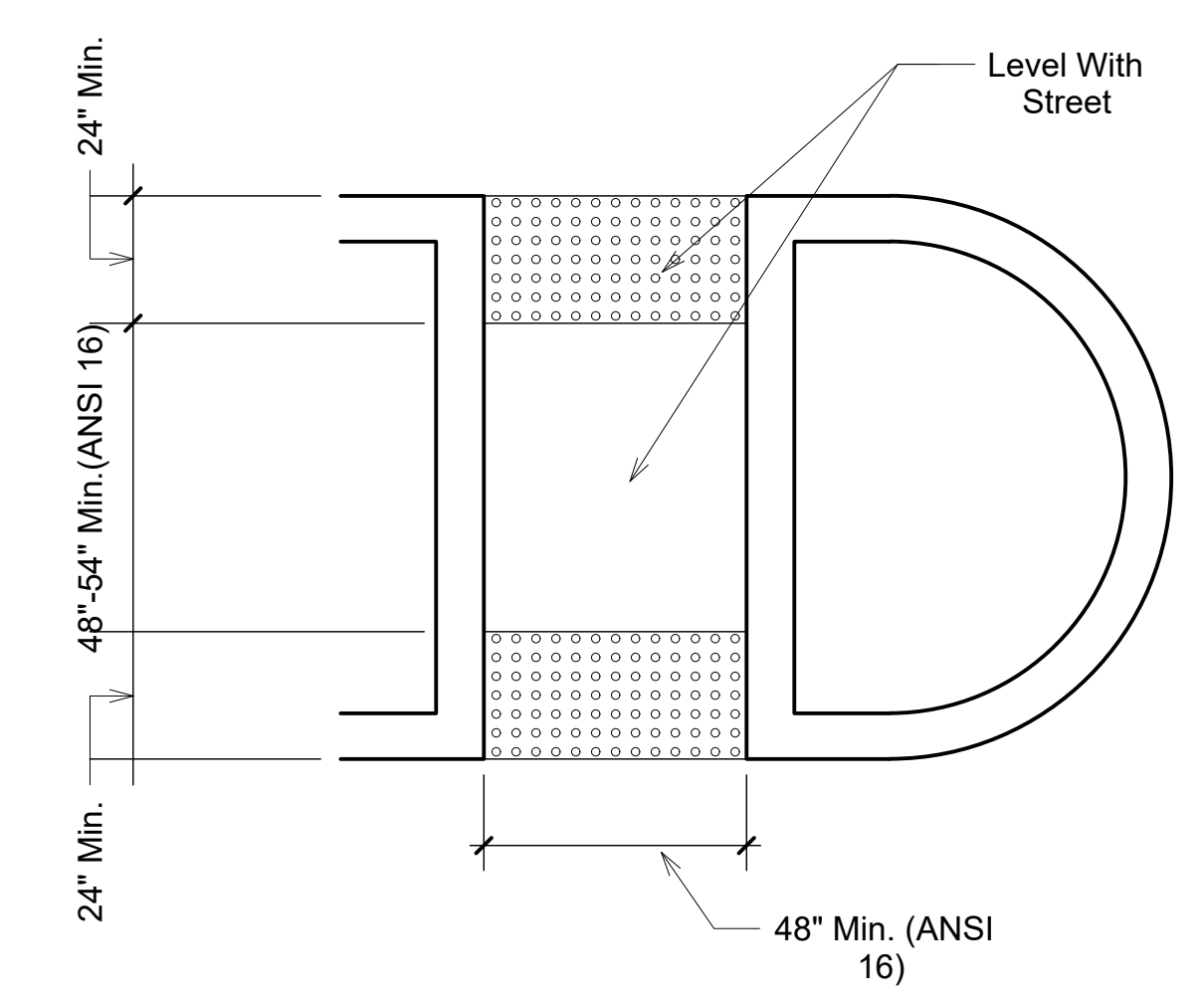
- 1- Curb Ramps Shall Be Constructed At Each Corner Of Street Intersections And Where A Pedestrian Way Crosses A Curb. The Preferred And Recommended
- 2- Location For Curb Ramps Is In The Center Of The Cross Walk Of Each Street Corner Where It Is Necessary To Locate A Curb Ramp In The Center Of The Curb Return And The Street Surfaces Are Marked To Identify Pedestrian Crosswalks, The Lower End Of The Curb Ramp Shall Terminate Within Such Crosswalk Areas. 5% Max. Slope In The Direction Of Travel, 2% Max. Cross Slope (CBC 11B-403.3) & CBC Section 11B-403.5)
- 3- A Turning Space 48 Inches Min. By 48 Inches Minimum Shall Be Provided At The Bottom Of The Curb Ramp. The Slope Of The Turning Space In All Directions Shall Be 1:48 Max. (2.083%) CBC Section 11B-406.3.2
- 4- Curb Ramps And The Flared Sides Of Curb Ramps Shall Be Located So That They Do Not Project Into Vehicular Traffic Lanes, Parking Spaces, Or Parking Access Aisles. Curb Ramps At Marked Crossings Shall Be Wholly Contained Within The Markings, Excluding Any Flared Sides. CBC Section 11B-406.5.1
- 5- Grade Breaks At The Top And Bottom Of Curb Ramp Runs Shall Be Perpendicular To The Direction Of The Ramp Run. Grade Breaks Shall Not Be Permitted On The Surface Of Ramp Runs And Turning Spaces. Surface Slopes That Meet At Grade Breaks Shall Be Flush CBC Section 11B-06.5.6
- 6- Curb Ramps And Blended Transitions Shall Have Detectable Warnings Complying With 11B-705 Detectable Warnings CBC Section 11B-406.5.12



Truncated Corner Ramp
 Not To Scale

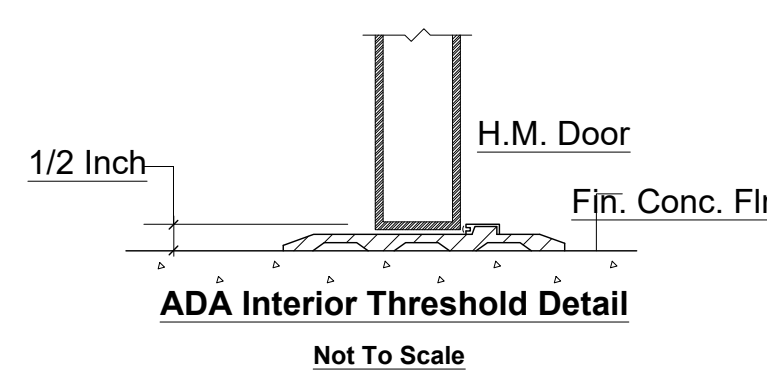
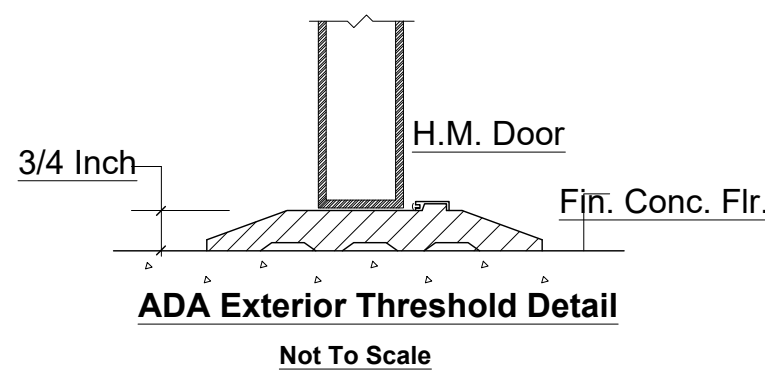


International Symbol Of Accessibility 36"x36"



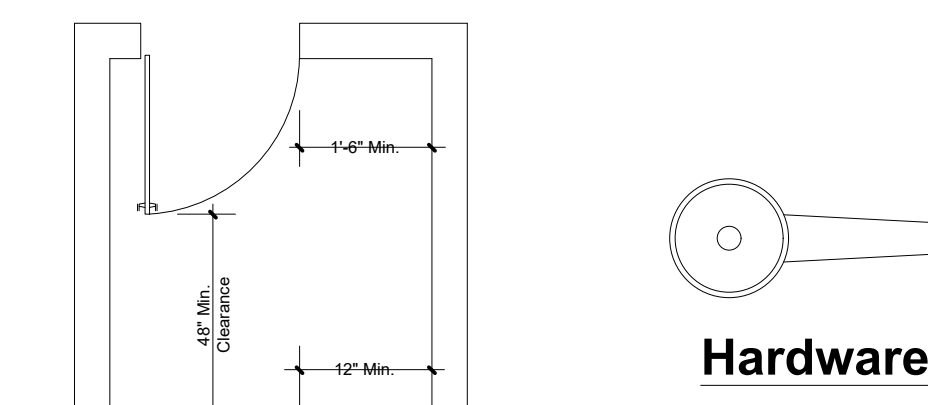
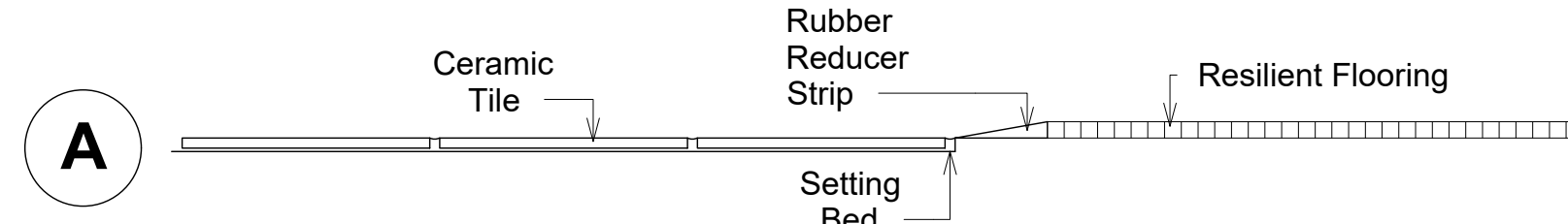
Cut-Through Island

Utilized When There Is A Crosswalk That Would Otherwise Be Obstructed By An Island.
 Not To Scale

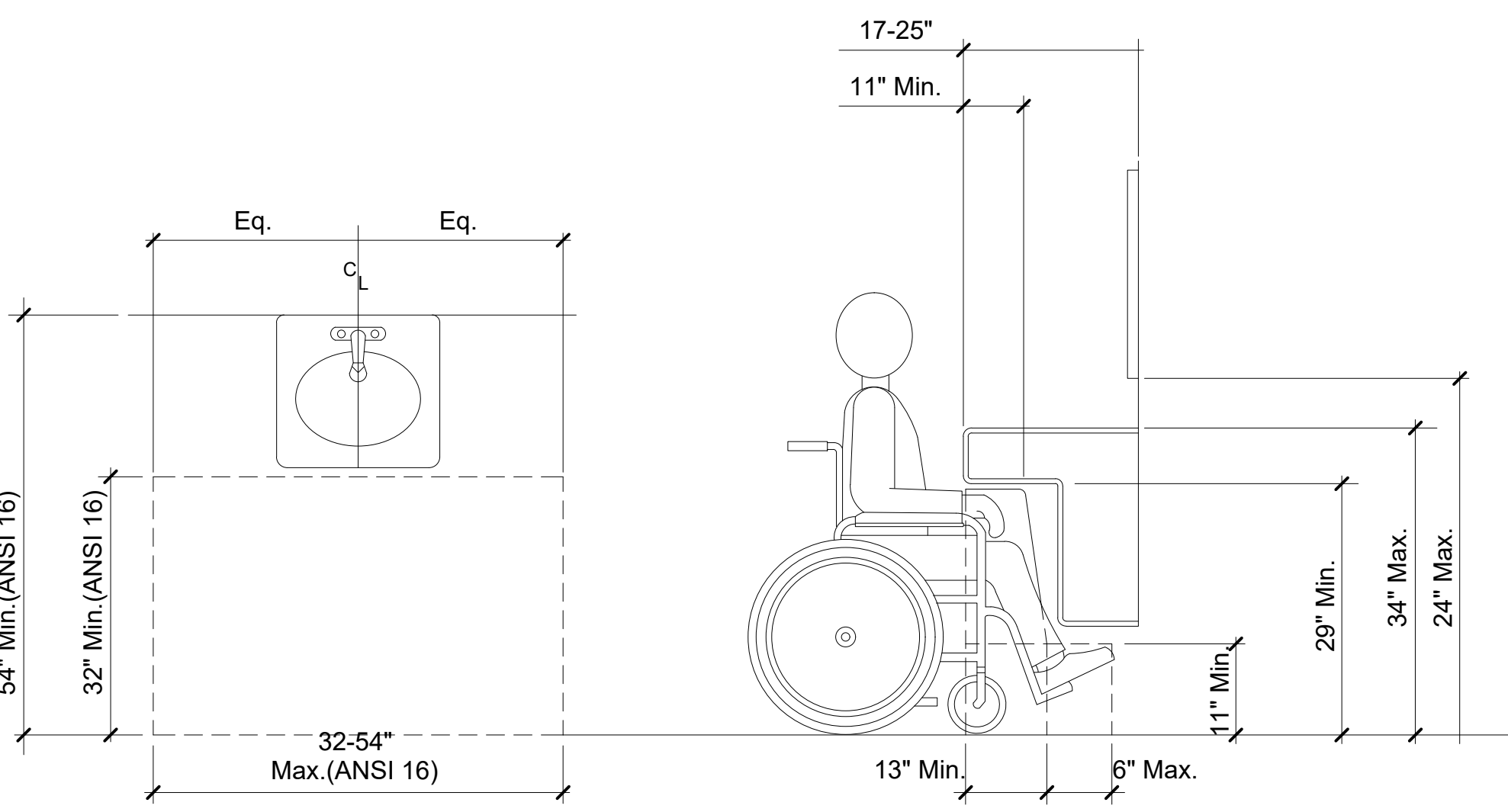
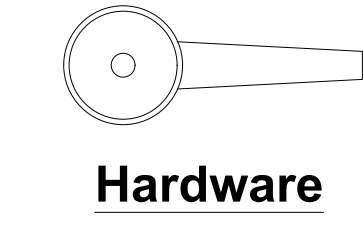


A.D.A. Threshold Notes:

- Section 4.13.8 Thresholds At Doorways.
 1-Thresholds At Doorways Shall Not Exceed 3/4 Inch (19mm) In Height For Exterior Doors Or 1/2 Inch (13mm) For Other Types Of Doors.
 2-Raised Thresholds And Floor Level Changes At Accessible Doorways Shall Be Beveled With A Slope No Greater Than 1:2



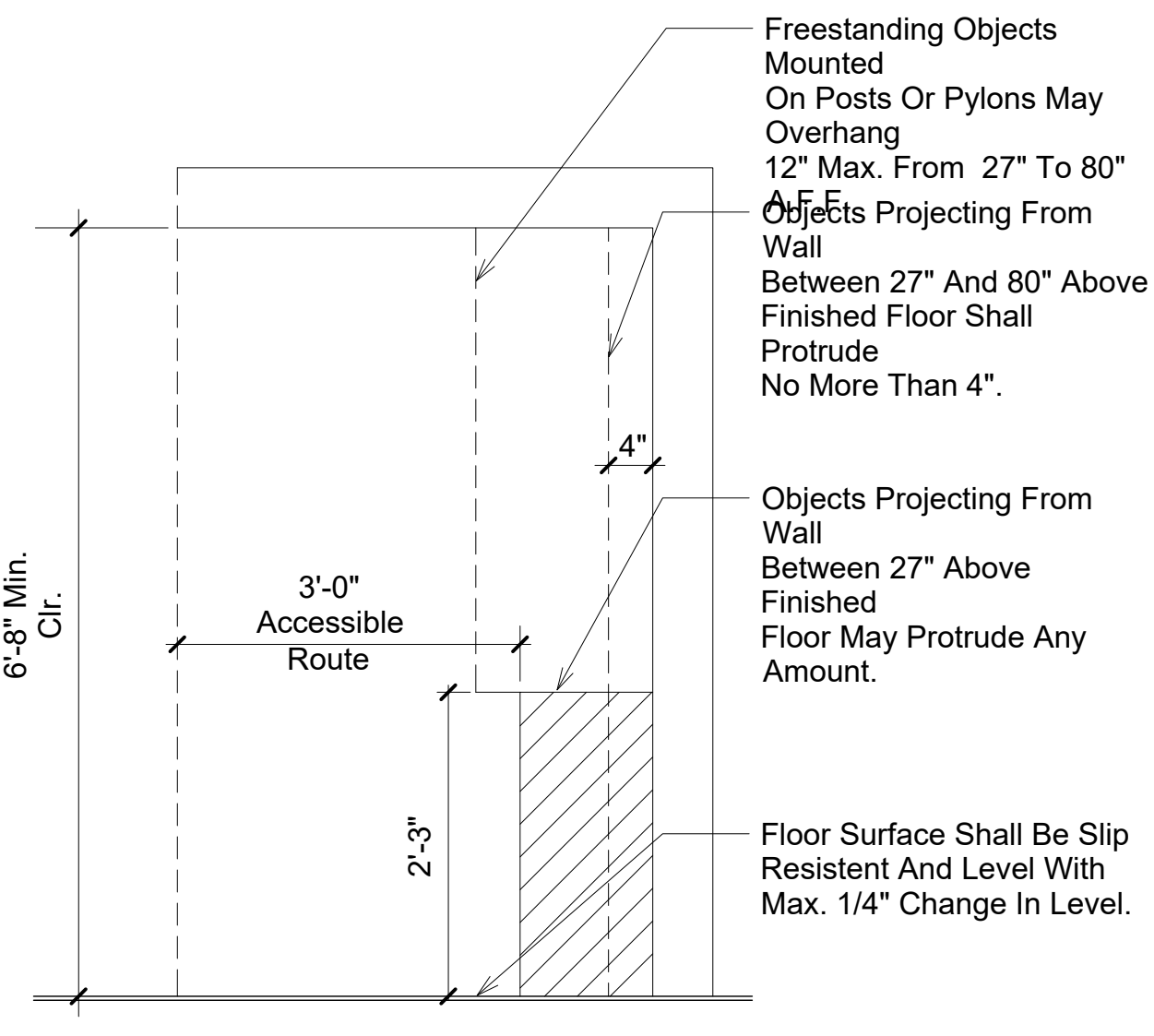
Notes:
 The Door Shall Swing To The Fully Open Position When An Opening Force Not To Exceed 8.5 Lbs. (Exterior Doors), 5 Lbs. (Interior Doors) Is Applied To The Latch Side. Fire Doors Shall Have The Minimum Opening Force Allowable By The Administrative Authority.



ADA Lavatory Clearances Compliance

A.D.A. Lavatory Compliance Notes:

- 1-Knee And Toe Clearances Is Required Below Accessible Lavatories.
 2-The Lavatory Overflow Is Permitted To Project Into The Knee Clearance.

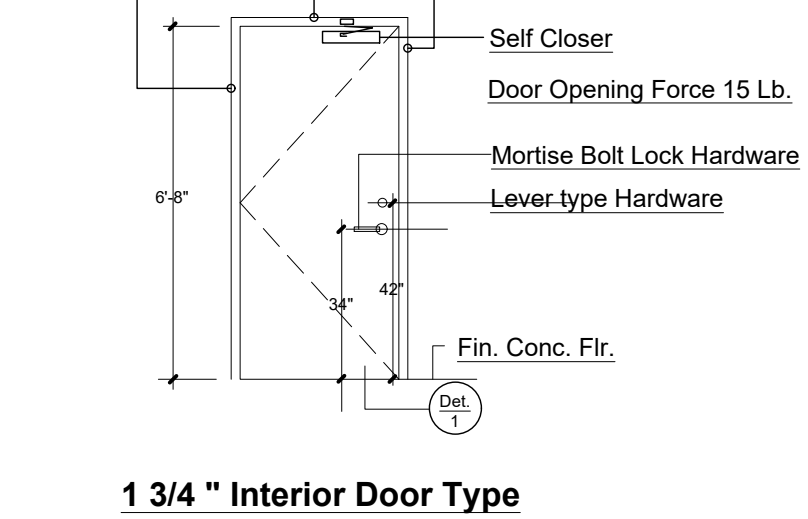


ADA Vertical Clearances

Not To Scale



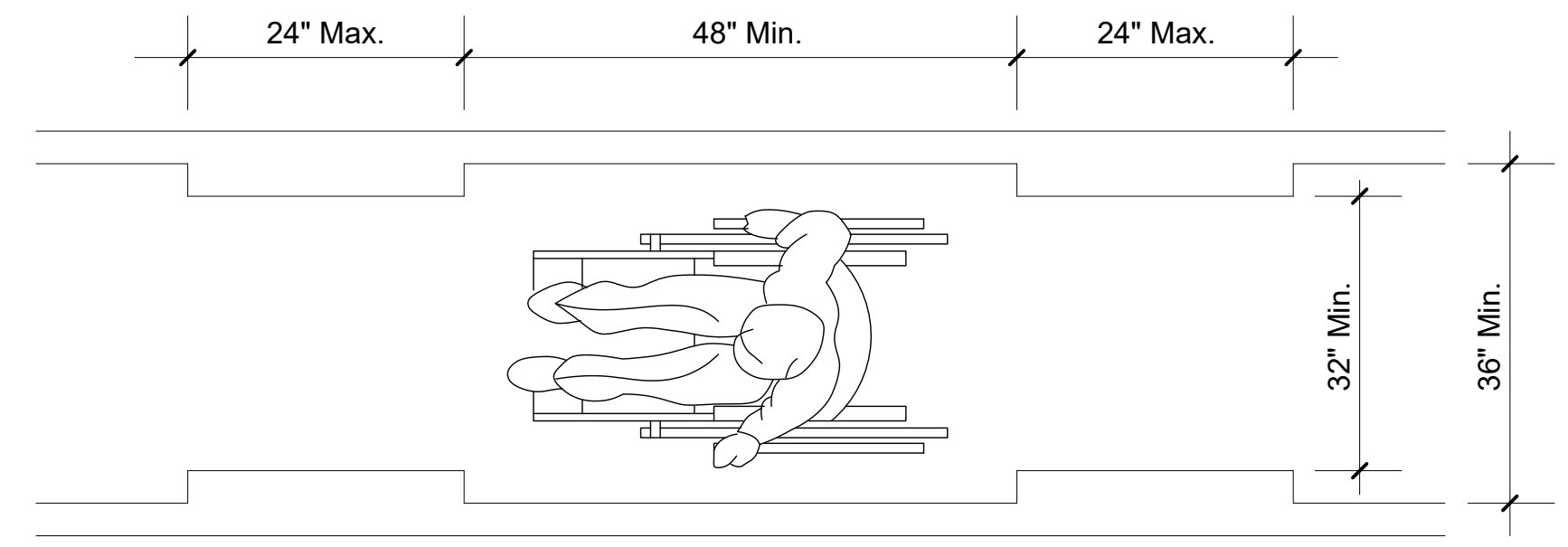
Notes:
 All New Interior And Exterior Hollow Metal Door Frames Shall Be Perimeter Caulked With STI Firestop Corp. Type SSS Intumescent Firestop Sealant To Limit The Free Passage Of Smoke.



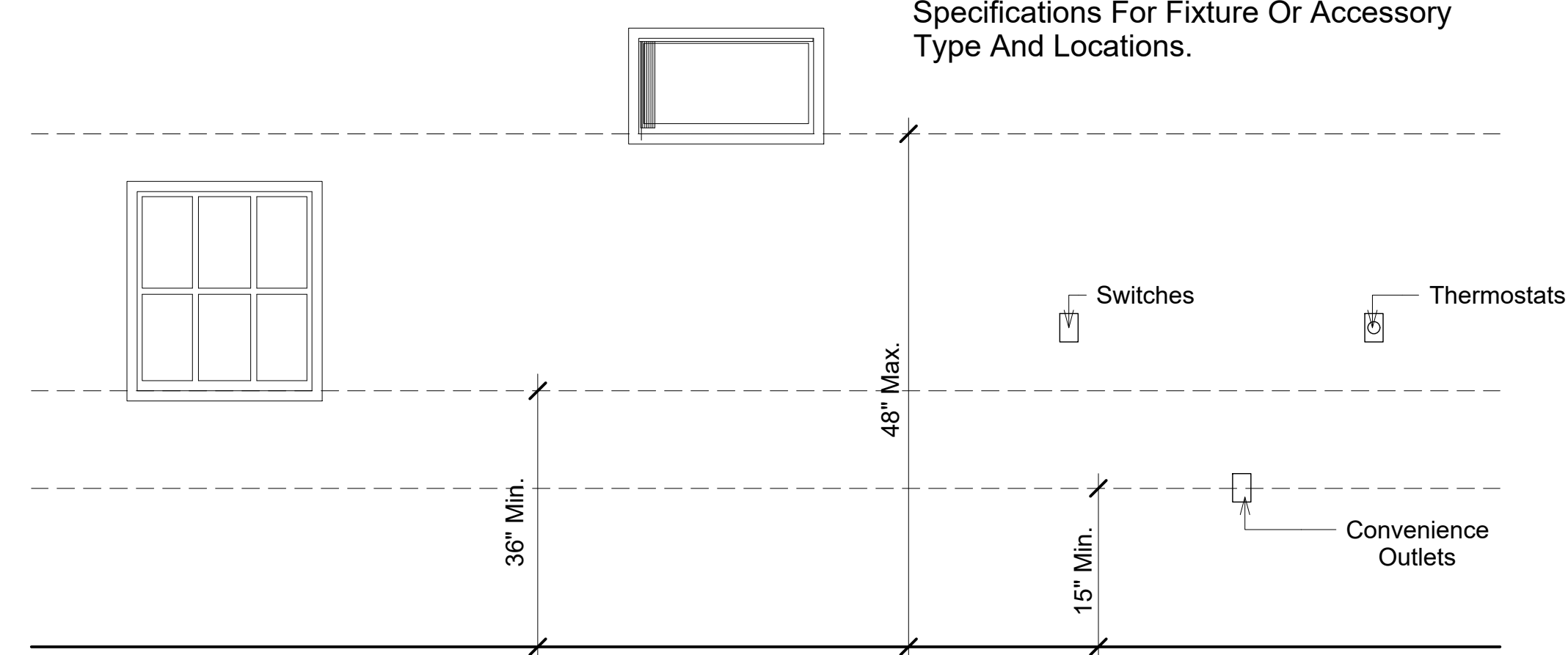
Scale: 1/8"=1'0"

Note:

The Fixtures And Accessories Shown Herein Are Not Necessarily Included In This Project. Refer To Plans And Specifications For Fixture Or Accessory Type And Locations.

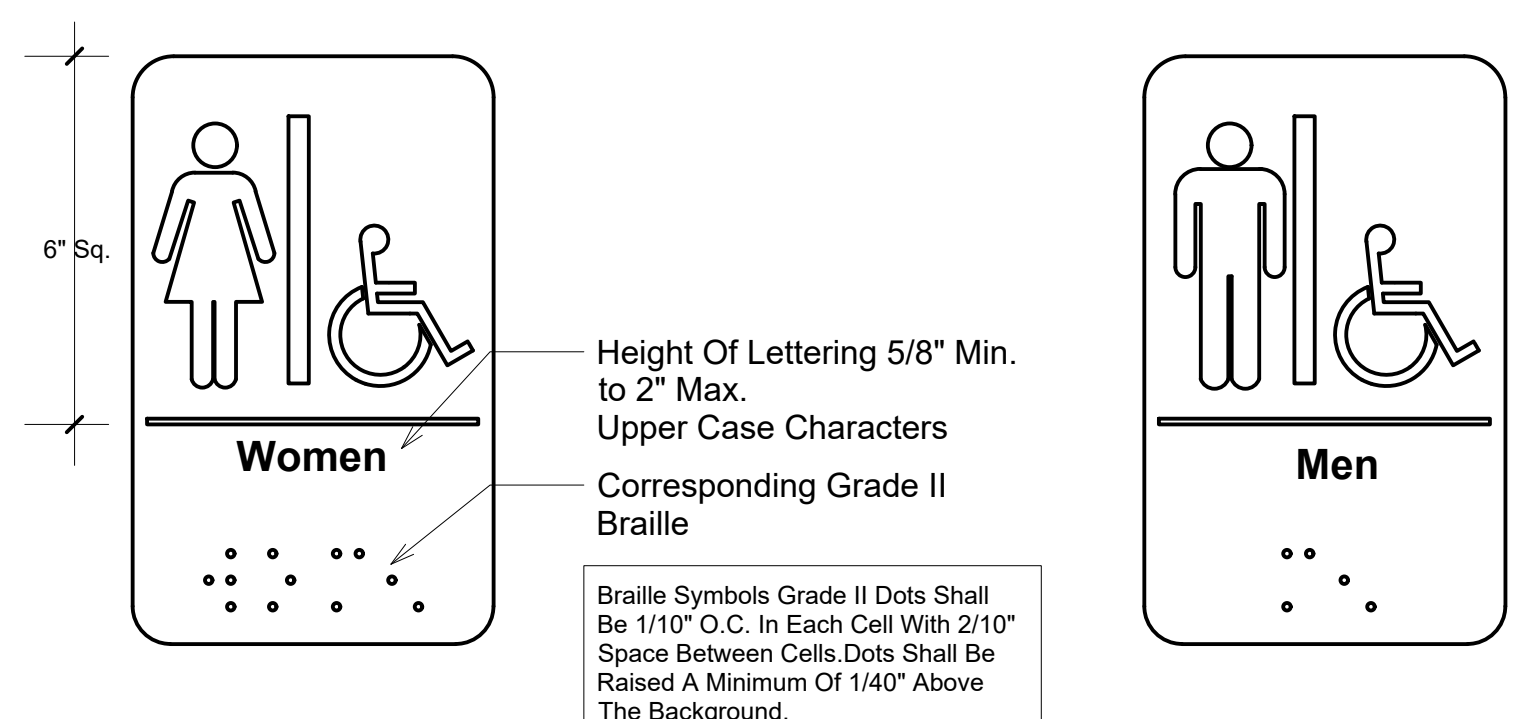


ADA Clear Width Of An Accessible Route



ADA Accessories Reach Heights

Not To Scale



ADA Womens Bathroom Signage

ADA Mens Bathroom Signage

Tactile Signage-Restroom Symbols

Not To Scale

General Accessibility Notes:

1-Written Dimensions On These Drawings Shall Have Precedence Over Scaled Dimensions. Contractor Shall Verify And Be Responsible For All Dimensions And Conditions On The Job And The Engineer Of Records Must Be Notified Of Any Variations From The Dimensions And Conditions Shown By These Drawings. Shop Details Must Be Submitted To The Engineer For Approval Before Proceeding With Fabrication.

2-All Details On This Sheet Are Typical For Accessible Fixtures And Equipment As Described In The Construction Documents. Items Shown On This Page That Are Not Included In The Architectural Documents Shall Be Disregarded.

3-Information On The Documents That Are More Specific To Individual Conditions Supersedes The Information Shown On This Sheet.

Revision	Date

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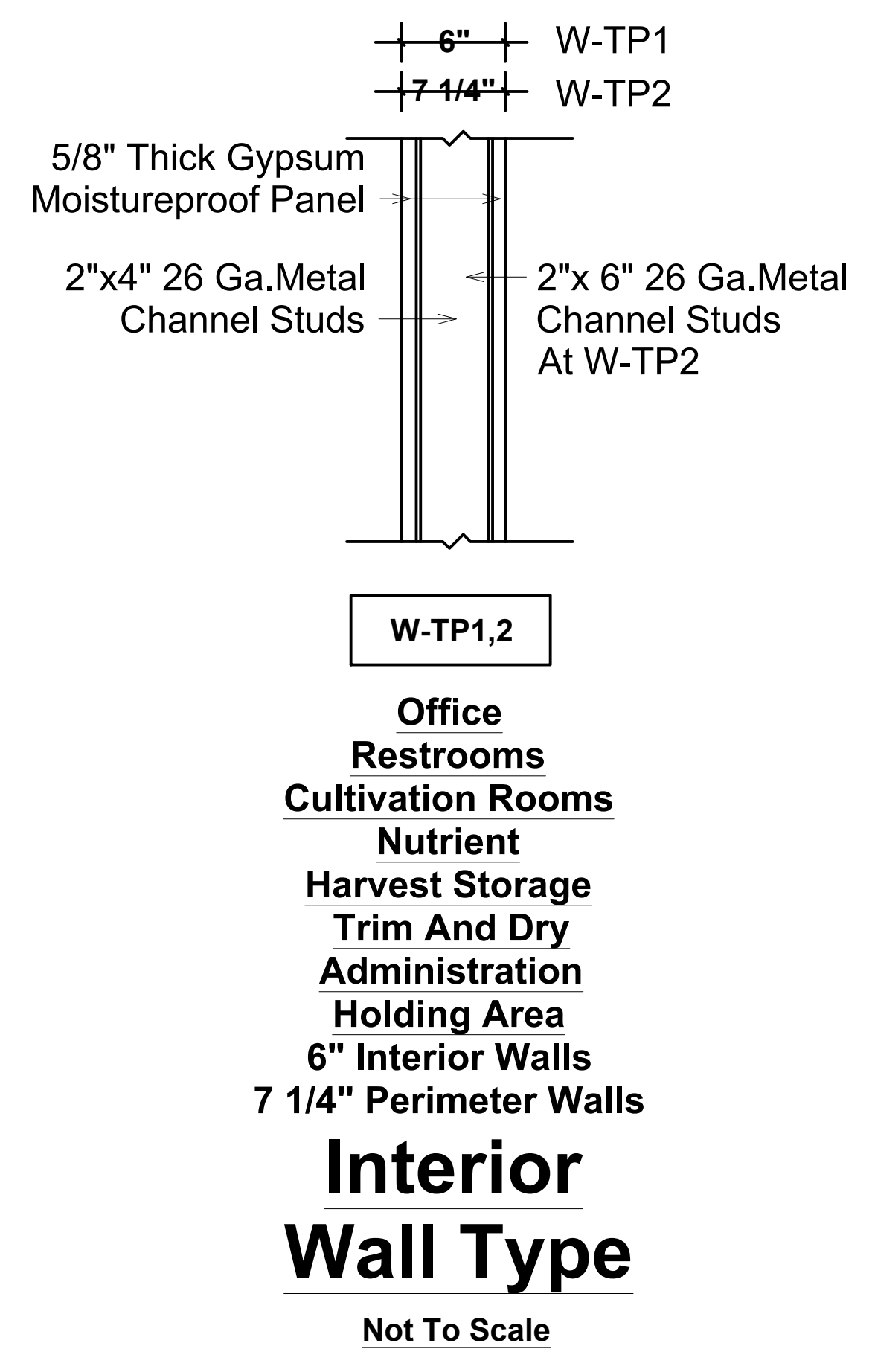
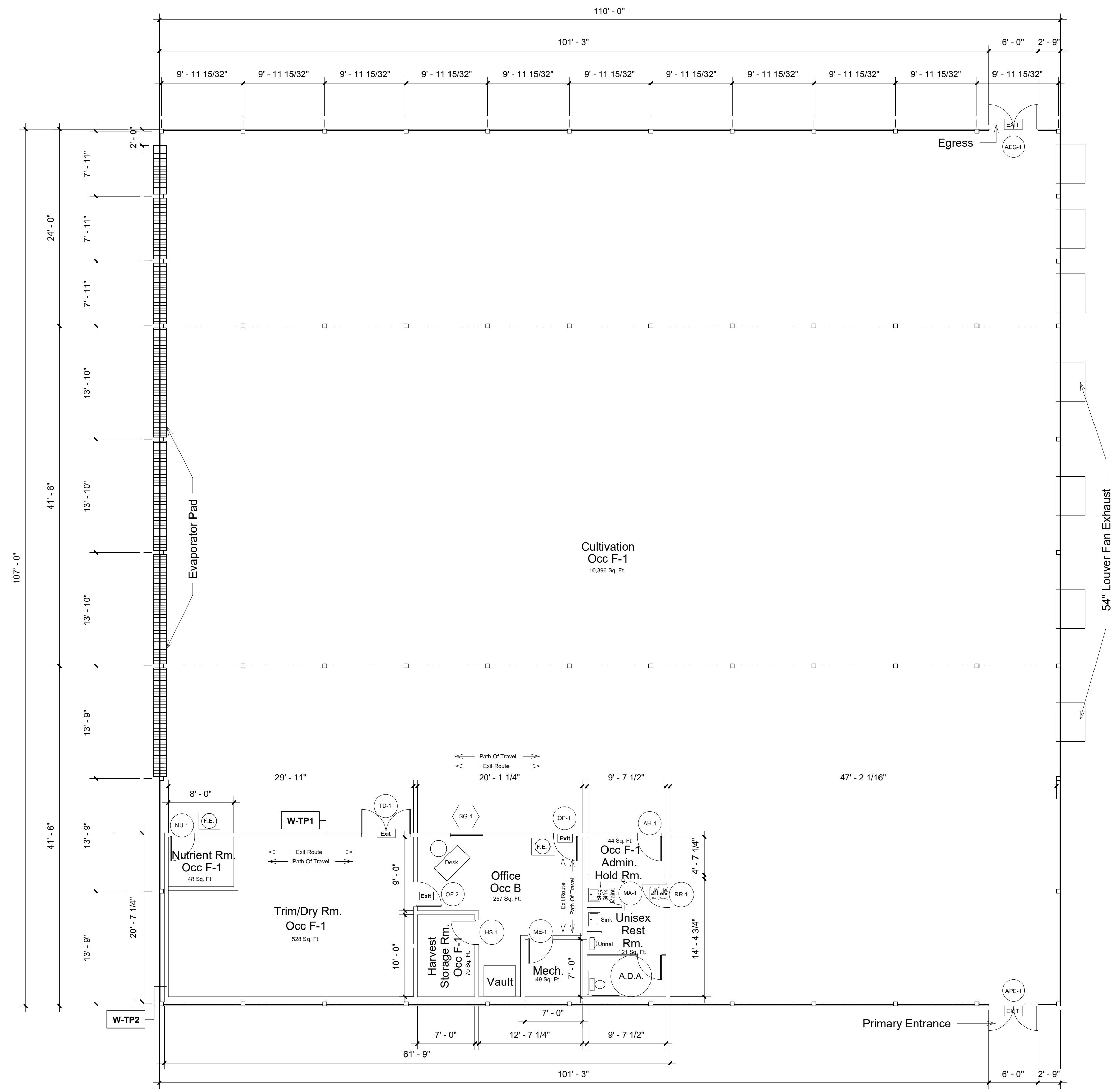


ADA Handicap Compliance.2

CANTEBURY CULTIVATION FACILITIES
 CALIFORNIA CITY, CALIFORNIA 93505
 CANTEBURY MANAGEMENT L.L.C.

Project Number: CCC-01
Date: 7.16.2020
Drawn By: NI
Checked By:
A101.10
Scale: As Noted

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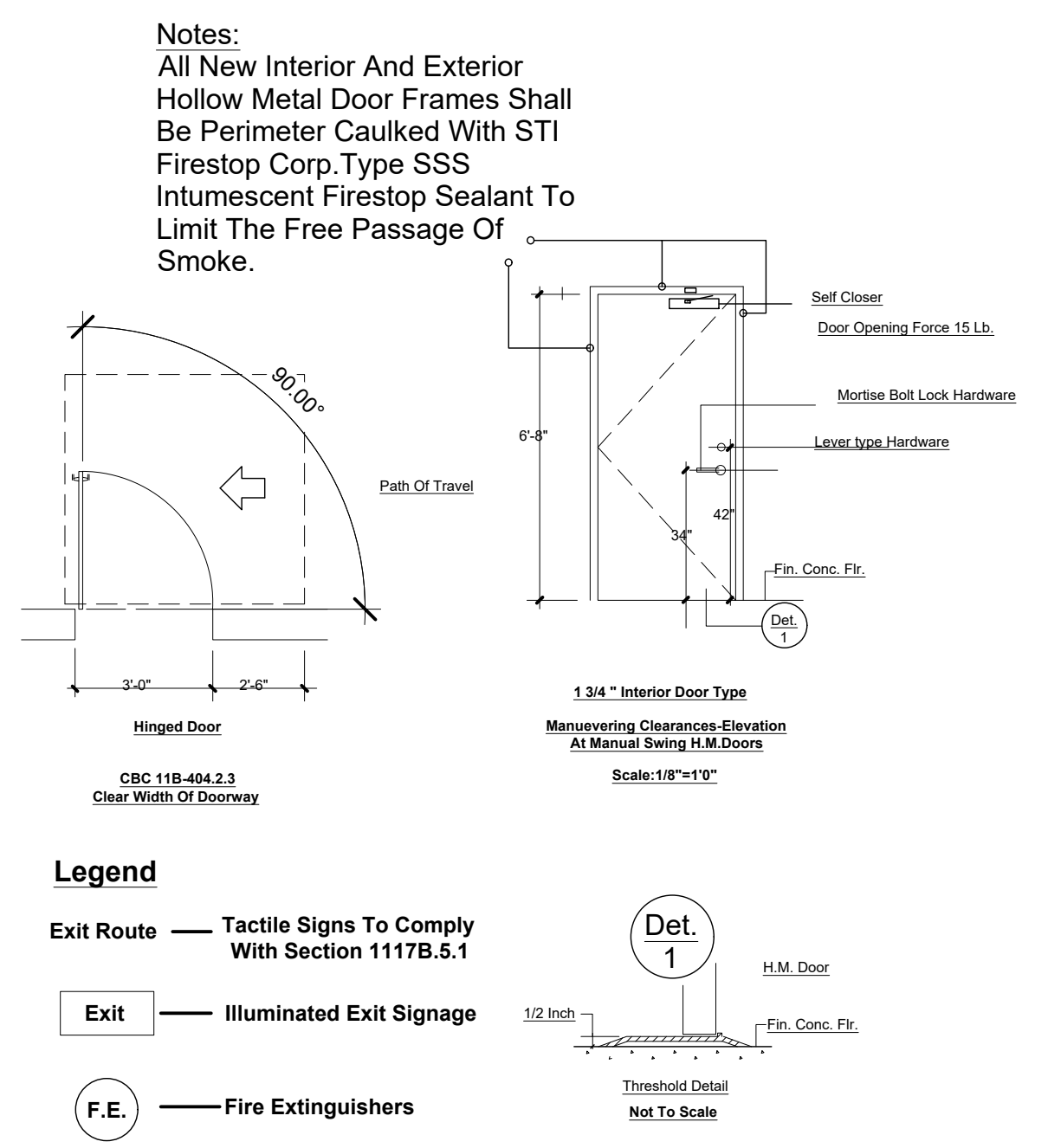
**Parcel 1
Building "A,B" Floor Plan**

Scale: 1/8"=1'-0"
11,770 Gross Sq. Ft.
F.F. 2,432'

- 11,770 Sq. Ft. Net Gross Floor Area
- Details Description:
 - Cultivation:
 - 10,396 Sq. Cultivation Rm.
 - 44 Sq. Ft. Quarantee Rm.(Admin. Hold)
 - Distribution:
 - 257 Sq. Ft. Office/Distribution Vault
 - 70 Sq. Ft. Harvest Storage
 - Trim/Dry:
 - 528 Sq. Ft. Trim/Dry
 - Supplements:
 - 48 Sq. Ft. Nutrient Rm.
 - 11,343 Sq. Ft. Total Marijuana Operation Area

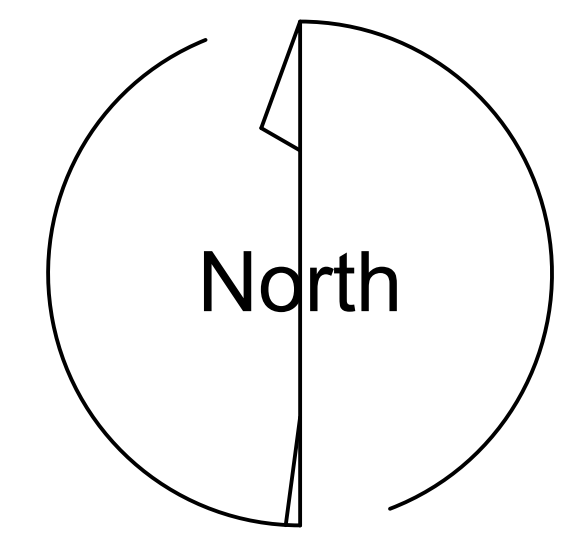
Note:
No Hazardous Material Stored In Grenhouse

Note:
Max. Occupancy Per Day Is 6-12 Persons



General Notes:

- 1-Every Cannabis Business Shall Secure The Following Areas Using Commercial Grade Non Residential Door Locks, Roof Hatches, And Window Locks In A Manner That Prevents Free And Unauthorized Access, Pursuant To 16 CCR 5042.
- 2-An Approved Sign Designating The Maximum Occupant Load Shall Be Posted. Minimum Character Size Shall Be 12" High By 1" Stroke.
- 3-Portable Fire Extinguishers Shall Be Provided In Accordance With The Latest California Fire Code And The Fire Code Standard #10-1. Minimum Approved Size For All Portable Fire Extinguishers Shall Be Per City Of California City Requirements. Locations Of Fire Extinguishers Shown On Plans.
- 4- Fire Sprinkler System Must Be Installed In The Structure.



Revision	Date

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Rosemead California 91770

Floor Plans Building A & B

CANTEBURY CULTIVATION FACILITIES
CALIFORNIA CITY, CALIFORNIA 93505

CANTEBURY
MANAGEMENT L.L.C.

Project Number: CCC-01
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Revision	Date

Parcel 1-Cultivation Door And Window Schedule

Door Schedule							Fire Rating	Type	Hardware	Manufacturer	Remarks
Qty.	Tag	Door Location	Size	Swing	Rating						
1	APE-01	Primary Entrance To Cultivation	6' x 6'8" x 1 3/4"	R.H. L.H.	90 Min.	H.M.	Emergency "Touch Bar" Make:Cal-Royal Model:COMBO5000EO36AL 3/4" Stainless Stl. Latchbolt	Commercial Door Metal Systems 14610 Central Ave. Chino Ca. 91710 1 800 408 3667	Doors Types PE-01 And EG-01, Will Have: 1-Door Entry System Will Be With An Electronic Access Card. 2-All Exterior Doors Shall Have Emergency Push Bars (Free Of Any Locks Or Mechanical Restrictions) 3-Paint Surfaces Will Be Easy To Clean And Maintain.	<p>General Notes:</p> <p>1-All Dimensions Shown To Face Of Stud,U.N.O.</p> <p>2-All Exterior Walls Shall Be As Per Greenhouse Manufacturer 6" Type "X" Gyp. Bd. On The Interior Face For Office Area.Metal Furring As Required For Drywall Finishes.</p> <p>3-All Interior Walls Shall Be 3-5/8" x 20 Ga. Studs At 16" O.C. W/ 5/8" Type "X" Gyp. Bd. On Both Sides U.O.N.</p> <p>4-Provide 2X Solid Blocking In Walls As Required For Reinforcement Of All Bars,Restroom Fixtures,Plumbing Lines, Wall Bumpers And Kitchen Equipment,Etc.</p> <p>5-For Exterior Wall Treatment,See Exterior Elevations.</p> <p>6-All Exit Doors Shall Be Operable From The Inside Without Special Knowledge Or Effort Or The Use Of A Key.</p> <p>7-All Exterior Doors Shall Be Weatherstripped.All Exterior Joints Around Door Frames & Windows And At All Penetrations Thru Building Envelope Shall Be Sealed Using Sealants & Caulking.</p> <p>8-All Architectural Glazing Within 48" Of Doors Shall Be Tempered Including Glazing Of Doors.(If Any)</p> <p>9-Contractor Shall Submit Complete Set Of Millwork Drawings To Owner For Approval Prior To Construction.</p> <p>10-All Finish Surfaces Shall Have A Flame Spread Classification Of Class III Or Higher (Flame Spread Index 76 Thru 200 & A Smoke Density Rating Of 450).</p> <p>11-All Drapes,Curtains & Decorative Material Provided And/Or Installed By The General Contractor Shall Be Made From Non Flammable Materials Or Treated With Flame Retardant As Approved By The Local Fire Marshal.</p> <p>12-Owner Shall Provide Portable Fire Extinguishers Per Local Fire Marshal.General Contractor To Install.</p> <p>13-Building Address Numbers Shall Be A Minimum 6" High And Be Of Contrasting Colors.</p> <p>14-Exits Shall Be illuminated At Any Time The Building Is Occupied With Light Having An Intensity Of Not less Than One Foot Candle At Floor Level.Building Code Section 1012. (Refer To Electrical Drawings)</p> <p>15-Provide Exit Signs Per Building Code Section 3314 (a,b,c). (Refer To Electrical Drawings)</p> <p>16-Provide Approved Exiting Illumination And Illuminated Exit Signs.Title 24,Section 1012 & 1013 (Refer To Electrical Drawings)</p> <p>17-Restroom Walls And Ceiling Shall Not Be Insulated.</p>	
1	AE-01	Egress To Cultivation	6' x 6'8" x 1 3/4"	R.H. L.H.	90 Min.	H.M.	Emergency "Touch Bar" Make:Cal-Royal Model:COMBO5000EO36AL 3/4" Stainless Stl. Latchbolt				
1	OF-01	Cultivation To Office	3' x 6'8" x 1 3/4"	L.H.	90 Min.	H.M.					
1	OF-02	Trim/Dry To Office	3' x 6'8" x 1 3/4"	R.H.	90 Min.	H.M.					
1	TD-01	Trim/Dry To Cultivation	6' x 6'8" x 1 3/4"	R.H. L.H.	90 Min.	H.M.	Emergency "Touch Bar" Make:Cal-Royal Model:COMBO5000EO36AL 3/4" Stainless Stl. Latchbolt				
1	HS-01	Office To Harvest Storage	3' x 6'8" x 1 3/4"	R.H.	90 Min.	H.M.					
1	AH-01	Cultivation To Admin. Hold	3' x 6'8" x 1 3/4"	L.H.	90 Min.	H.M.					
1	NU-01	Cultivation To Nutrient Rm.	3' x 6'8" x 1 3/4"	R.H.	90 Min.	H.M.					
1	ME-01	Office To Mech. Rm.	3' x 6'8" x 1 3/4"	R.H.	90 Min.	H.M.					
1	ME-01	Cultivation 1 To Mechanical Rm. 1	3' x 6'8" x 1 3/4"	R.H.	90 Min.	H.M.					
1	RR-01	Cultivation To Rest Rm.	3' x 6'8" x 1 3/4"	R.H.	90 Min.	H.M.	Coat Hooks On Doors				
1	MA-01	Rest Rm. To Main. Rm.	3' x 6'8" x 1 3/4"	R.H.	90 Min.	H.M.	Coat Hooks On Doors				

All Doors:
Shlage L9440 Commercial Lever Handle
Shlage 20001C606114 Key Lock
Shlage S48B3 Mortise Door Bolt
Nuk3y Commercial Grade Heavy Duty Hinges

Fire Department Notes:

1-All Handheld Fire Extinguishers Shall Be Type 2A10BC Placed Within A 75' Travel Distance.Exact Quantity And Location Shall Be Determined By Fire Official During Final Inspection.

2-Approved Address Signage In Accordance With Fire Dept. Standards Shall Be Placed On The Building In Such A Position As To Be Plainly Visible And Legible From The Street Or Road Fronting This Property.Said Numbers Shall Contrast With Their Background And Shall Be Installed Prior To Certificate Of Occupancy.

3-An Approved Security Lock Box System For Fire Dept. Access To Fire Protection Equipment And Building Common Areas Shall Be Installed Per Uniform Fire Code,According To Fire Dept. Standard "Key Box System"

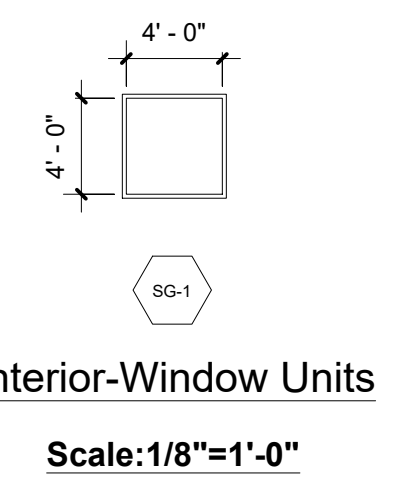
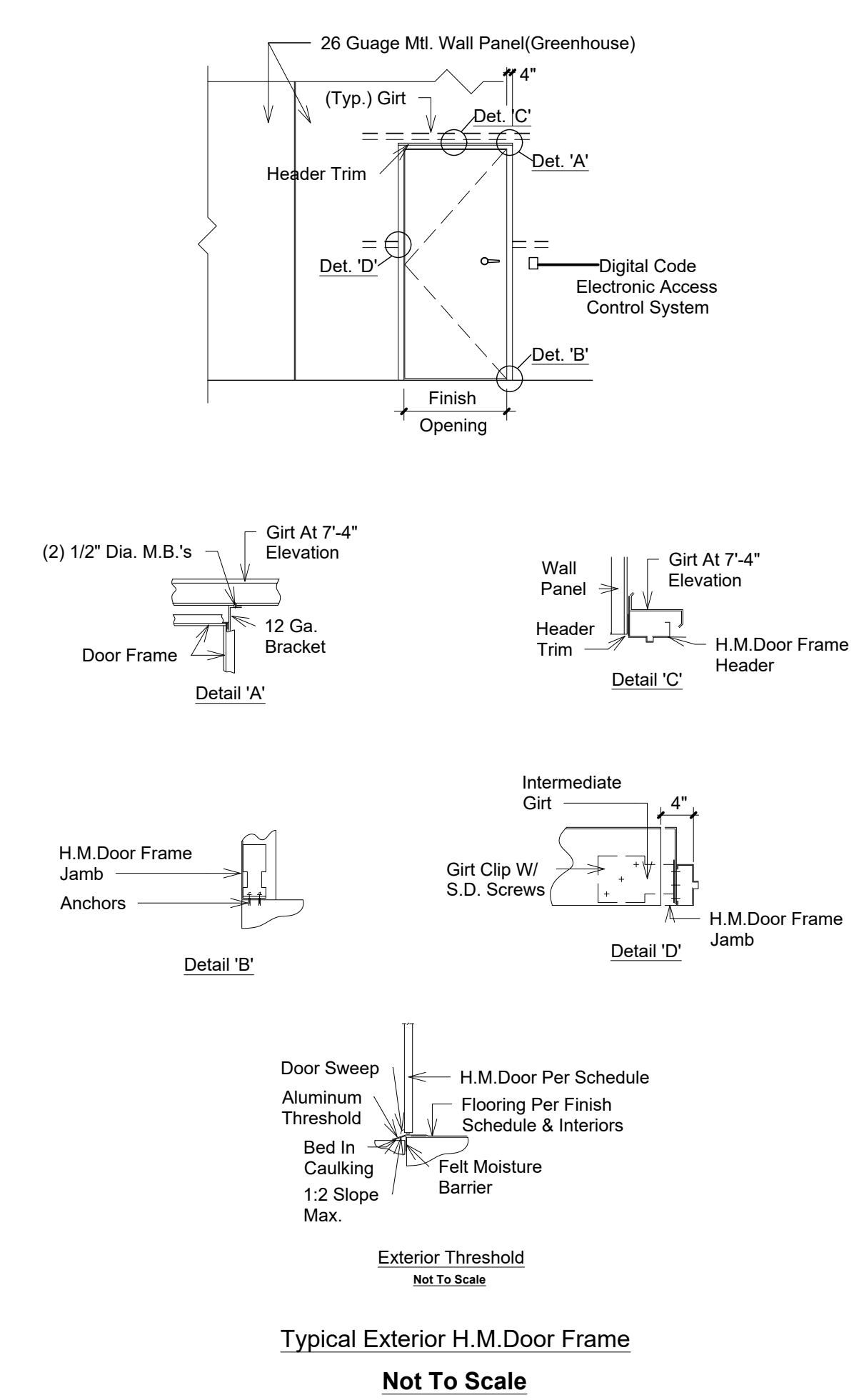
4-No Landscaping (Trees,Shrubs,etc.) May Be Placed Within 5 Ft.Of Any Fire Protection Equipment.

5-Provide On Site Fire Hydrants Per Fire Dept.Standards For Fire Protection.

Note: Max. Force To Operate Doors Is Limited To 15 Lb.

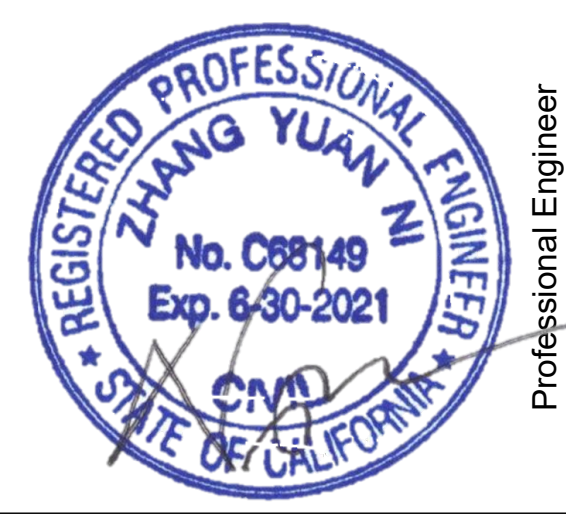
Note: All Interior Doors On 1Hr. Fire Rated Doors Shall Have Locking Hardware And Emergency Touch Bars

Note:
Every Cannabis Business Shall Secure The Following Areas Using Commercial Grade Non Residential Door Locks,Door Hatches,And Window Locks In A Manner That Prevents Free And Unauthorized Access,Persuant To 16 CCR 5042.



Window Schedule							Fire Rating	Hardware	Manufacturer	Remarks
Qty.	Tag	Location	Size	Window Type	Type					
1	SG-01	6" Interior Walls	4' x 4'	Sliding	H.M.	90 Min.	3/8" Thick Tempered Glass	Commercial Door Metal Systems 14610 Central Ave. Chino Ca. 91710 1 800 408 3667	Low "E" Glass	

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8230 Garvey Ave. #206
Rosemead California 91770

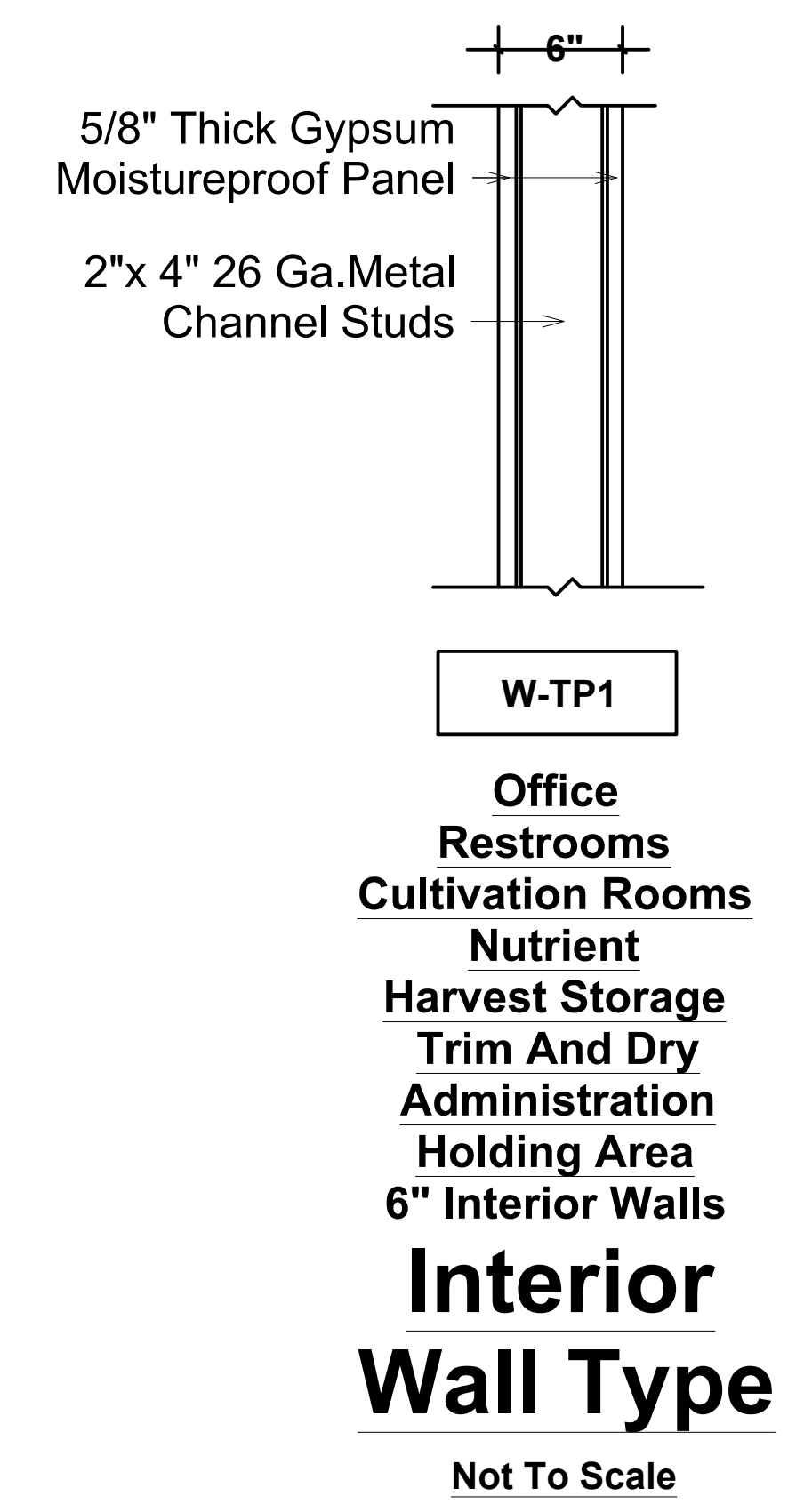
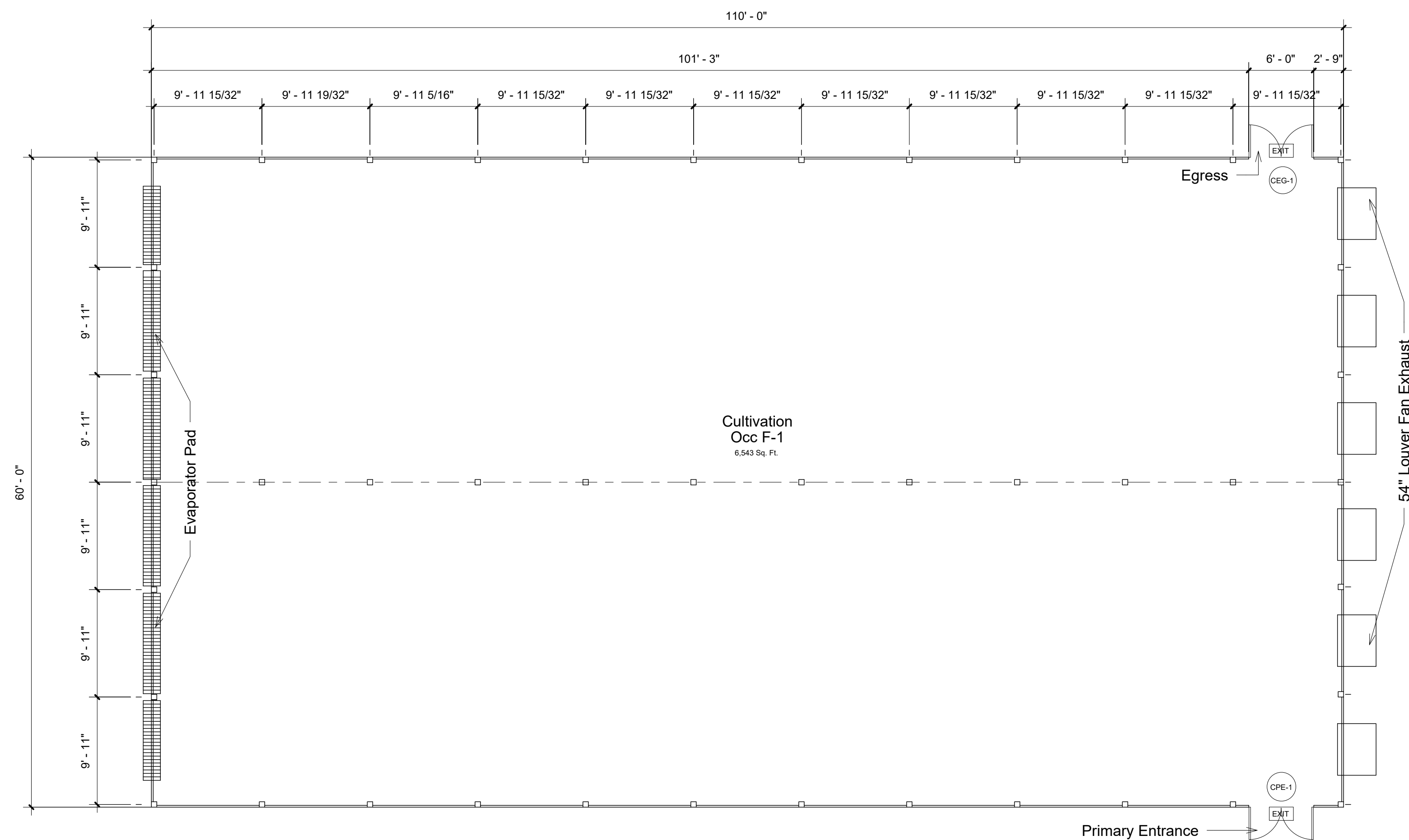


Buildings A&B Notes And Schedules

**CANTEBURY CULTIVATION FACILITIES
CALIFORNIA CITY, CALIFORNIA 93505
CANTEBURY
MANAGEMENT L.L.C.**

Project Number:CCC-01
Date:7.16.2020
Drawn By:NI
Checked By:
A102.10
Scale:As Noted

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Parcel 1
Building "C" Floor Plan

Scale: 1/8"=1'-0"
 6,600 Gross Sq. Ft.
 F.F. 2,432'

6,600 Sq. Ft. Net Gross Floor Area

Details Description:

Cultivation:

- 6,543 Sq. Ft. Cultivation Rm.
- XX Sq. Ft. Quarantee Rm. (Admin. Hold)

Distribution:

- XX Sq. Ft. Office/Distribution Vault
- XX Sq. Ft. Harvest Storage

Trim/Dry:

- XX Sq. Ft. Trim/Dry

Supplements:

- XX Sq. Ft. Nutrient Rm.
- 6,543 Sq. Ft. Total Marijuana Operation Area

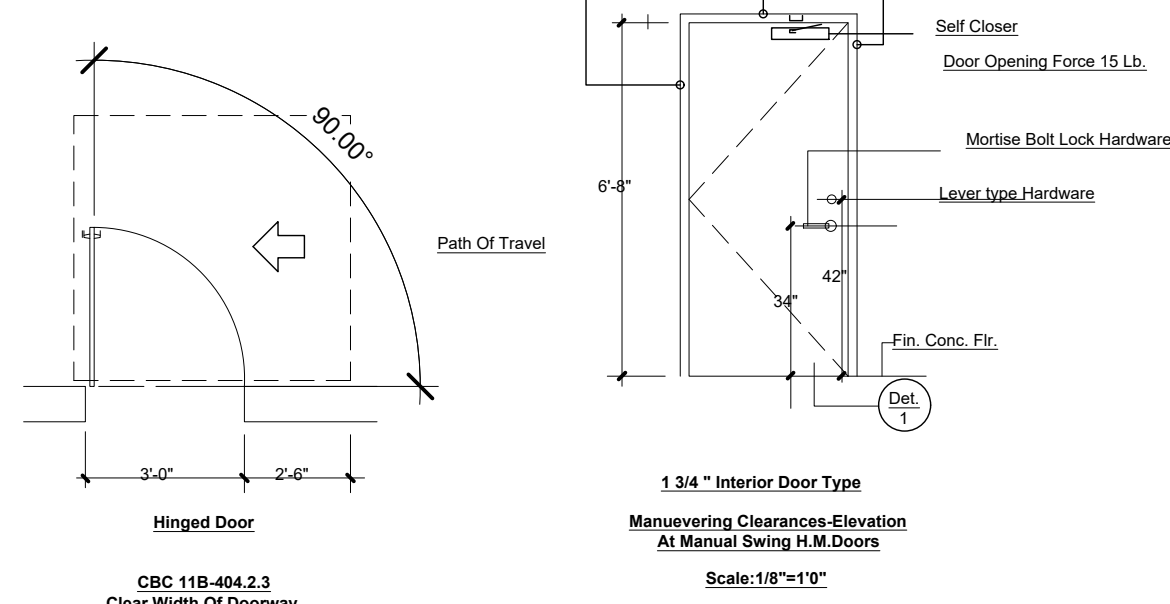
Note:

No Hazardous Material Stored In Grenhouse

Note:

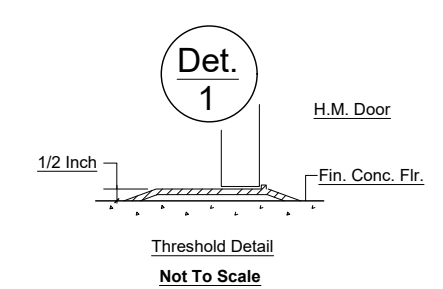
Max. Occupancy Per Day Is 6-12 Persons

Notes:
 All New Interior And Exterior Hollow Metal Door Frames Shall Be Perimeter Caulked With STI Firestop Corp. Type SSS Intumescent Firestop Sealant To Limit The Free Passage Of Smoke.



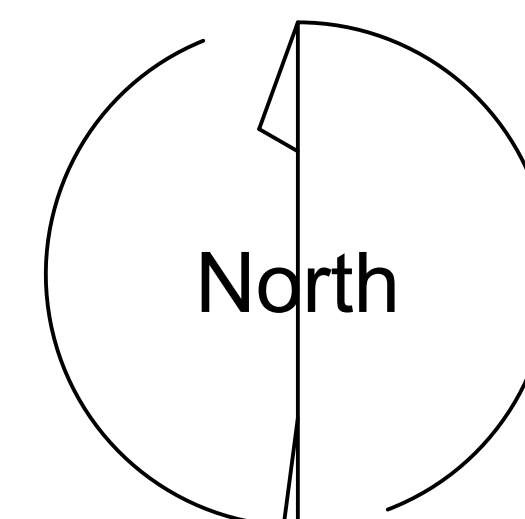
Legend

- Exit Route — Tactile Signs To Comply With Section 1117B.5.1
- Exit — Illuminated Exit Signage
- (F.E.) — Fire Extinguishers



General Notes:

- 1-Every Cannabis Business Shall Secure The Following Areas Using Commercial Grade Non Residential Door Locks, Roof Hatches, And Window Locks In A Manner That Prevents Free And Unauthorized Access, Pursuant To 16 CCR 5042.
- 2-An Approved Sign Designating The Maximum Occupant Load Shall Be Posted. Minimum Character Size Shall Be 12" High By 1" Stroke.
- 3-Portable Fire Extinguishers Shall Be Provided In Accordance With The Latest California Fire Code And The Fire Code Standard #10-1. Minimum Approved Size For All Portable Fire Extinguishers Shall Be Per City Of California Requirements. Locations Of Fire Extinguishers Shown On Plans.



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Revision	Date

ZYNI Engineering Inc.
 Zhang Yuan Ni P.E.
 8232 Garvey Ave. #206
 Rosemead California 91770



Floor Plan Building C

CANTEBURY CULTIVATION FACILITIES
 CALIFORNIA CITY, CALIFORNIA 93505
 CANTEBURY
 MANAGEMENT L.L.C.

Project Number: CCC-01
 Date: 7.16.2020
 Drawn By: NI
 Checked By:
A102.20
 Scale: As Noted

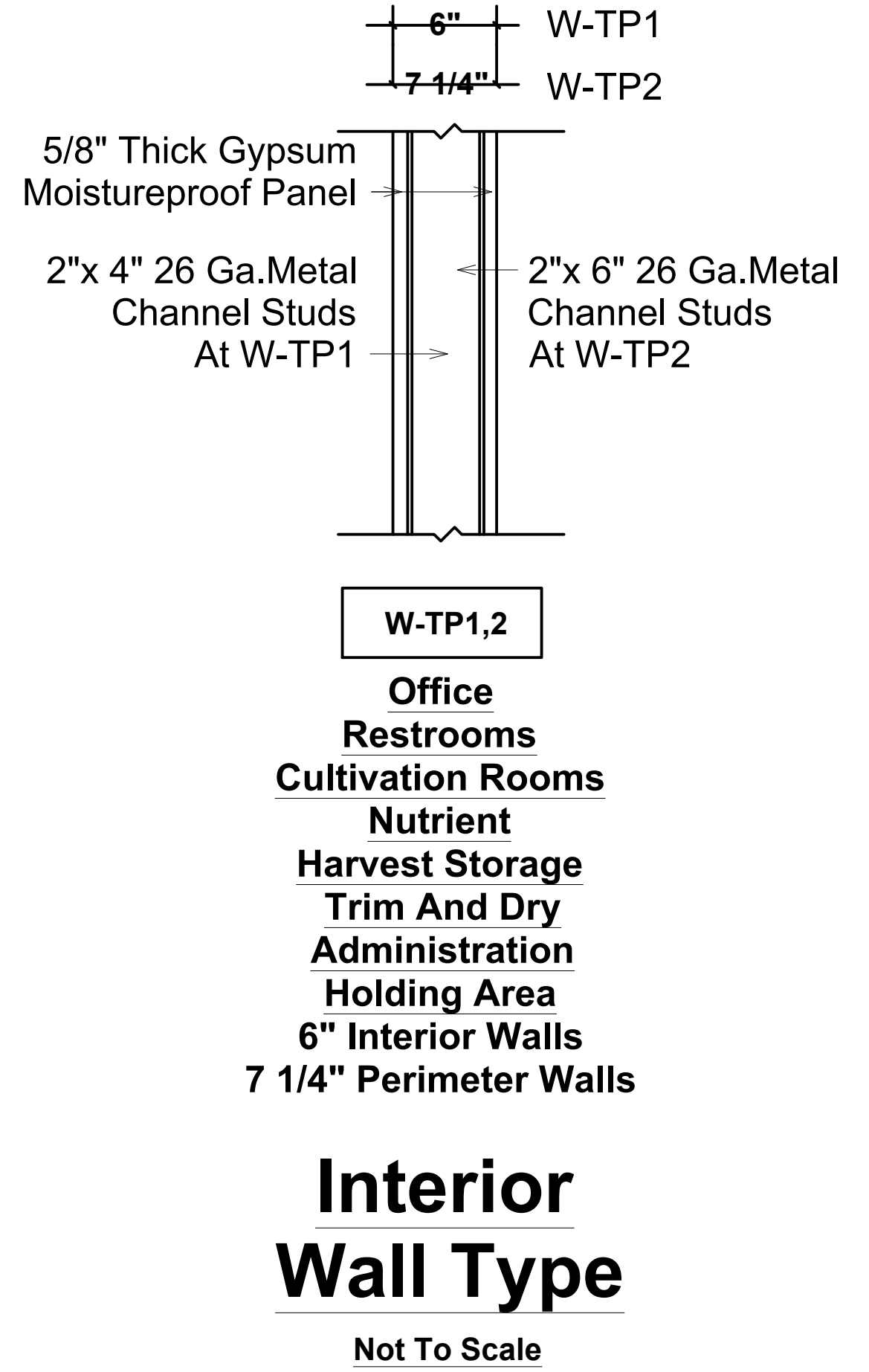
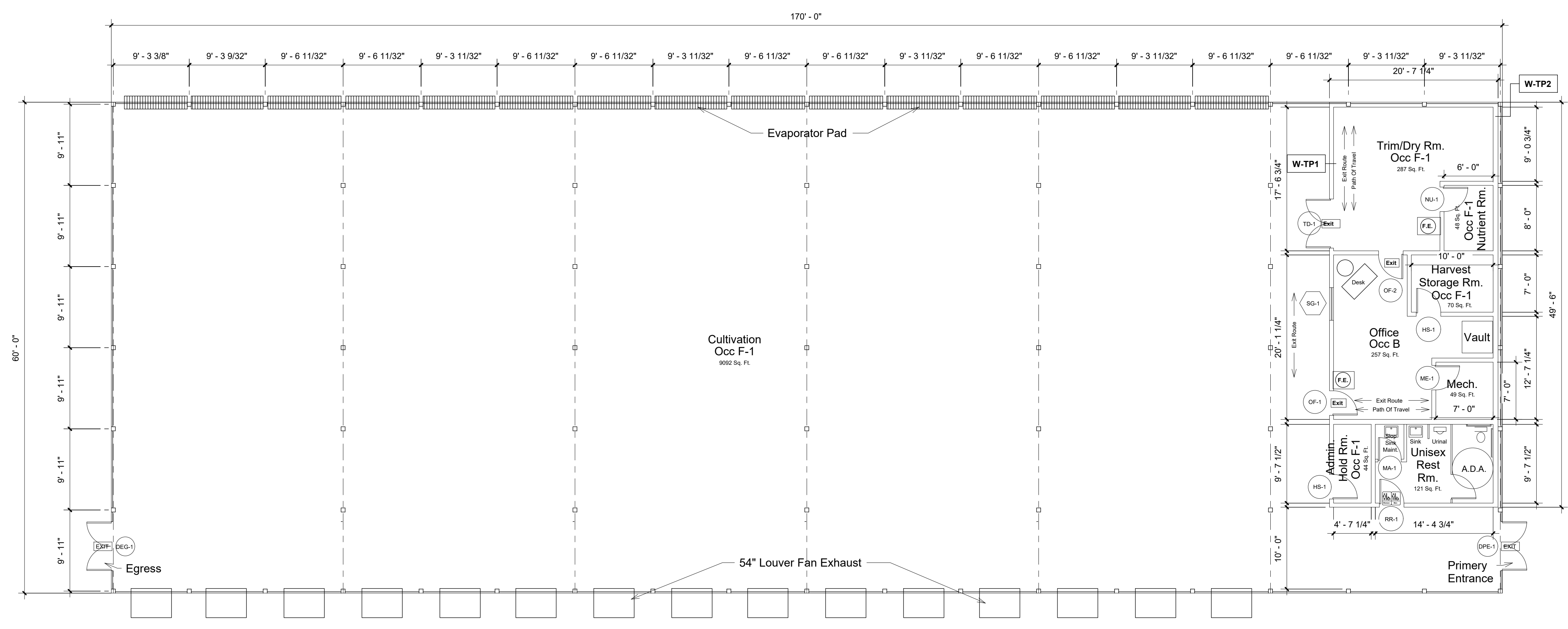
ZYNI Engineering Inc.
 Zhang Yuan Ni P.E.
 8232 Garvey Ave. #206
 Rosemead California 91770



Floor Plan Building D

CANTEBURY CULTIVATION FACILITIES
 CALIFORNIA CITY, CALIFORNIA 93505
 CANTEBURY
 MANAGEMENT L.L.C.

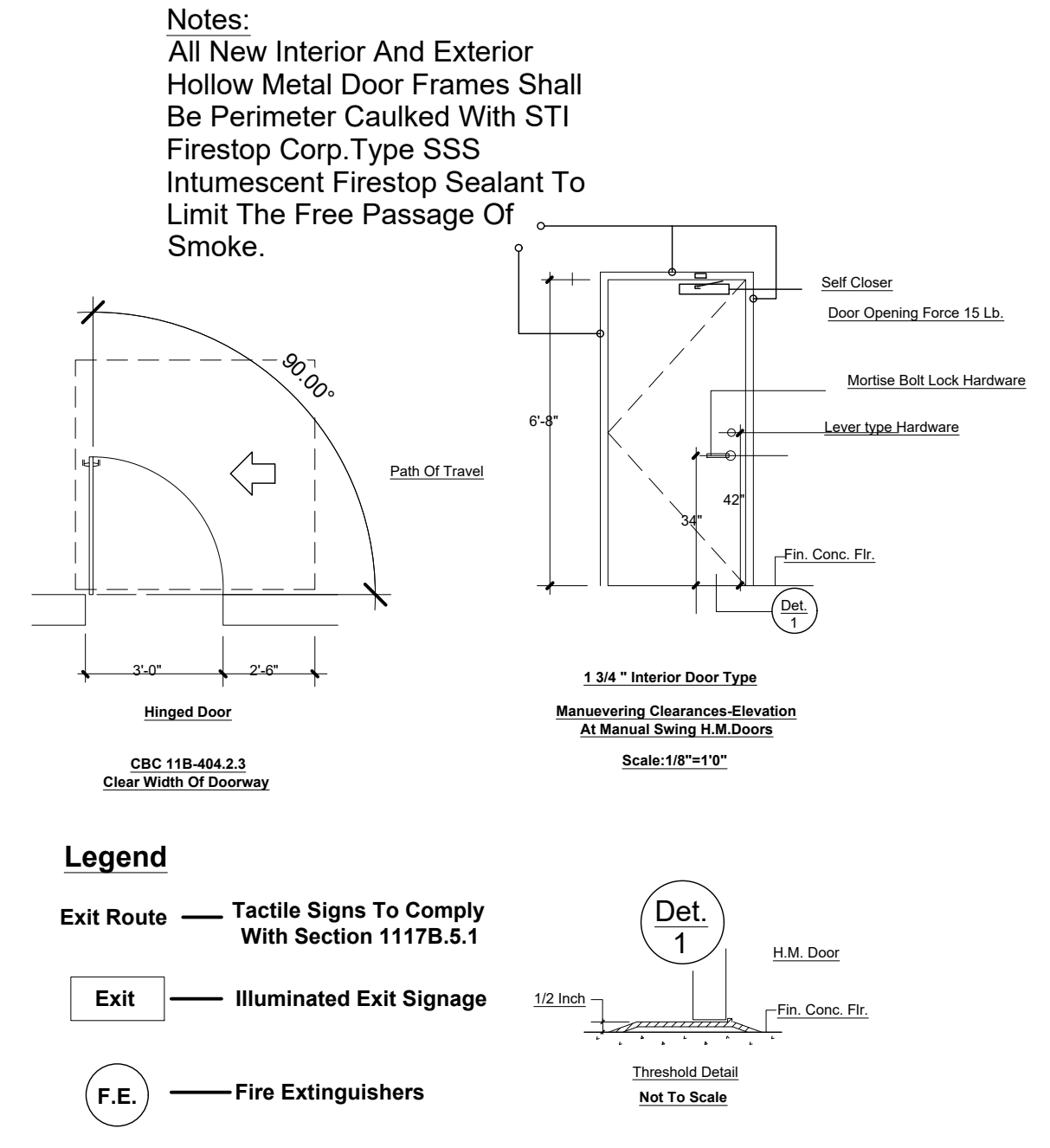
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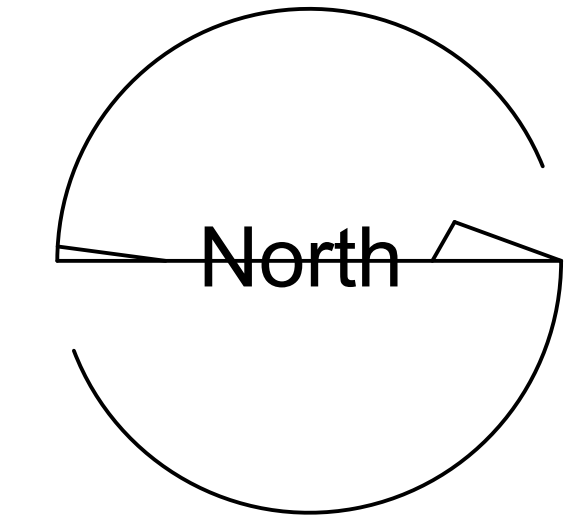
Parcel 2 Building "D" Floor Plan

Scale:1/8"=1'-0"
 10,200 Gross Sq. Ft.
 F.F. 2,432'

- 10,200 Sq. Ft. Net Gross Floor Area
 Details Description:
Cultivation:
 9,092 Sq. Cultivation Rm.
 44 Sq. Ft. Quarantee Rm.(Admin. Hold)
Distribution:
 257 Sq. Ft. Office/Distribution Vault
 70 Sq. Ft. Harvest Storage
Trim/Dry:
 287 Sq. Ft. Trim/Dry
Supplements:
 48 Sq. Ft. Nutrient Rm.
 9,798 Sq. Ft. Total Marijuana Operation Area
- Note:**
 No Hazardous Material Stored In Greenhouse
- Note:**
 Max. Occupancy Per Day Is 6-12 Persons



- General Notes:**
 1-Every Cannabis Business Shall Secure The Following Areas Using Commercial Grade Non Residential Door Locks, Roof Hatches, And Window Locks In A Manner That Prevents Free And Unauthorized Access, Pursuant To 16 CCR 5042.
 2-An Approved Sign Designating The Maximum Occupant Load Shall Be Posted. Minimum Character Size Shall Be 12" High By 1" Stroke.
 3-Portable Fire Extinguishers Shall Be Provided In Accordance With The Latest California Fire Code And The Fire Code Standard #10-1. Minimum Approved Size For All Portable Fire Extinguishers Shall Be Per City Of California City Requirements. Locations Of Fire Extinguishers Shown On Plans.
 4- Fire Sprinkler System Must Be Installed In The Structure.



Parcel 2-Cultivation Door And Window Schedule

Qty.	Tag	Door Location	Size	Swing	Fire Rating	Type	Hardware	Manufacturer	Remarks
1	DPE-01	Primary Entrance To Cultivation	6' x 6'8" x 1 3/4"	R.H. L.H.	90 Min.	H.M.	Emergency "Touch Bar" Make:Cal-Royal Model:COMBOS000EO36AL 3/4" Stainless Stl. Latchbolt	Commercial Door Metal Systems 14610 Central Ave. Chino Ca. 91710 1 800 408 3667	Doors Types PE-01 And EG-01, Will Have: 1-Door Entry System Will Be With An Electronic Access Card. 2-All Exterior Doors Shall Have Emergency Push Bars (Free Of Any Locks Or Mechanical Restrictions) 3-Paint Surfaces Will Be Easy To Clean And Maintain.
1	DEG-01	Egress To Cultivation	6' x 6'8" x 1 3/4"	R.H. L.H.	90 Min.	H.M.	Emergency "Touch Bar" Make:Cal-Royal Model:COMBOS000EO36AL 3/4" Stainless Stl. Latchbolt		
1	OF-01	Cultivation To Office	3' x 6'8" x 1 3/4"	L.H.	90 Min.	H.M.			
1	OF-02	Trim/Dry To Office	3' x 6'8" x 1 3/4"	R.H.	90 Min.	H.M.			
1	TD-01	Trim/Dry To Cultivation	6' x 6'8" x 1 3/4"	R.H. L.H.	90 Min.	H.M.	Emergency "Touch Bar" Make:Cal-Royal Model:COMBOS000EO36AL 3/4" Stainless Stl. Latchbolt		
1	HS-01	Office To Harvest Storage	3' x 6'8" x 1 3/4"	R.H.	90 Min.	H.M.			
1	AH-01	Cultivation To Admin. Hold	3' x 6'8" x 1 3/4"	L.H.	90 Min.	H.M.			
1	NU-01	Cultivation To Nutrient Rm.	3' x 6'8" x 1 3/4"	R.H.	90 Min.	H.M.			
1	ME-01	Office To Mech. Rm.	3' x 6'8" x 1 3/4"	R.H.	90 Min.	H.M.			
1	ME-01	Cultivation 1 To Mechanical Rm. 1	3' x 6'8" x 1 3/4"	R.H.	90 Min.	H.M.			
1	RR-01	Cultivation To Rest Rm.	3' x 6'8" x 1 3/4"	R.H.	90 Min.	H.M.	Coat Hooks On Doors		
1	MA-01	Rest Rm. To Main. Rm.	3' x 6'8" x 1 3/4"	R.H.	90 Min.	H.M.	Coat Hooks On Doors		

All Doors:
Shlage L9440
Commercial Lever Handle
Shlage 20001C606114
Key Lock
Shlage S48B3 Mortise
Door Bolt
Nuk3y Commercial
Grade Heavy
Duty Hinges

11-All Drapes,Curtains & Decorative Material Provided And/Or Installed By The General Contractor Shall Be Made From Non Flammable Materials Or Treated With Flame Retardant As Approved By The Local Fire Marshal.
12-Owner Shall Provide Portable Fire Extinguishers Per Local Fire Marshal.General Contractor To Install.
13-Building Address Numbers Shall Be A Minimum 6" High And Be Of Contrasting Colors.
14-Exits Shall Be illuminated At Any Time The Building Is Occupied With Light Having An Intensity Of Not less Than One Foot Candle At Floor Level.Building Code Section 1012.
(Refer To Electrical Drawings)
15-Provide Exit Signs Per Building Code Section 3314 (a,b,c).
(Refer To Electrical Drawings)
16-Provide Approved Exiting Illumination And Illuminated Exit Signs.Tite 24,Section 1012 & 1013 (Refer To Electrical Drawings)
17-Restroom Walls And Ceiling Shall Not Be Insulated.

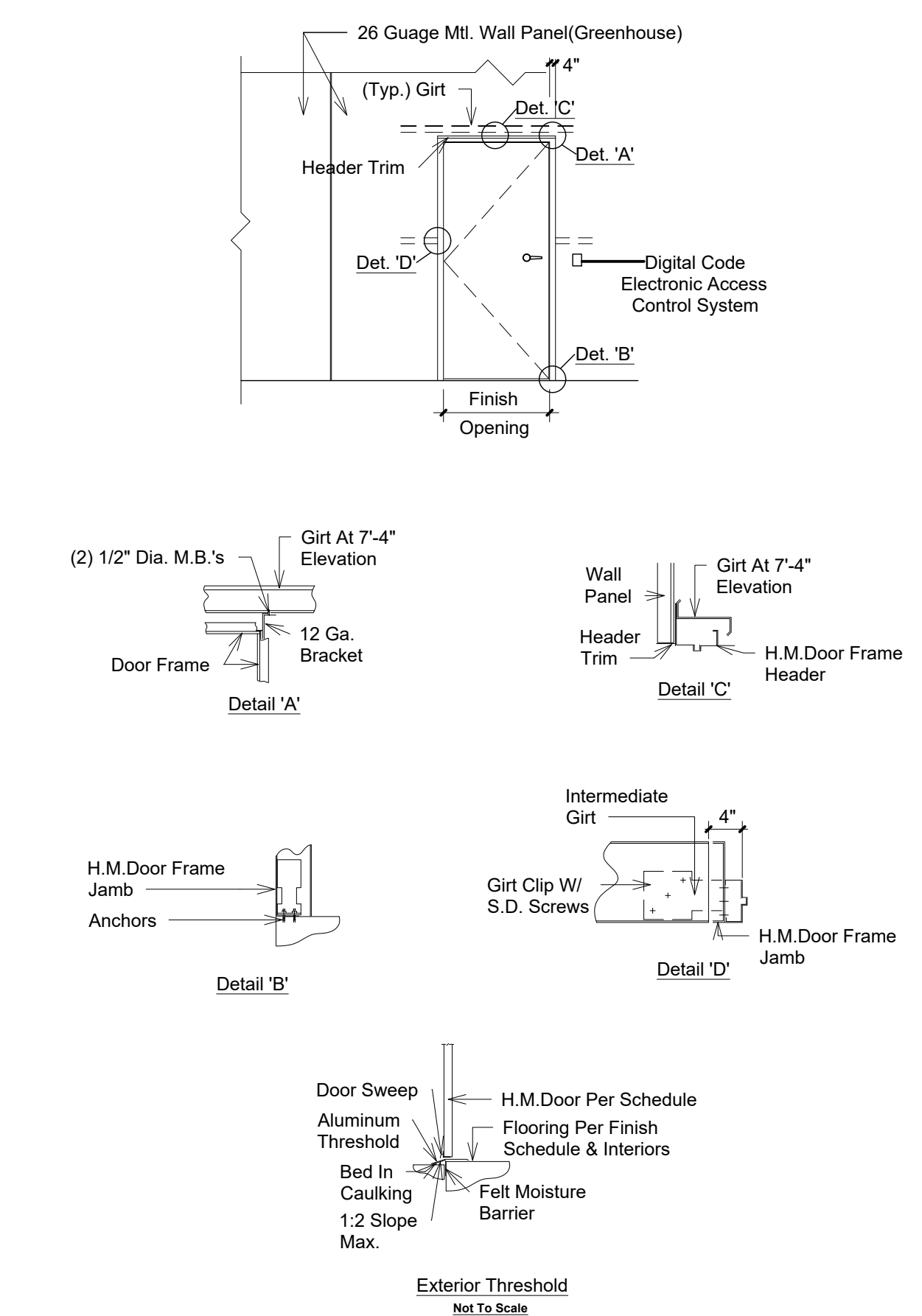
- General Notes:**
- 1-All Dimensions Shown To Face Of Stud,U.N.O.
 - 2-All Exterior Walls Shall Be As Per Greenhouse Manufacturer 6" Type "X" Gyp. Bd. On The Interior Face For Office Area.Metal Furring As Required For Drywall Finishes.
 - 3-All Interior Walls Shall Be 3-5/8" x 20 Ga. Studs At 16" O.C. W/ 5/8" Type "X" Gyp. Bd. On Both Sides U.O.N.
 - 4-Provide 2X Solid Blocking In Walls As Required For Reinforcement Of All Bars,Restroom Fixtures,Plumbing Lines, Wall Bumpers And Kitchen Equipment, Etc.
 - 5-For Exterior Wall Treatment,See Exterior Elevations.
 - 6-All Exit Doors Shall Be Operable From The Inside Without Special Knowledge Or Effort Or The Use Of A Key.
 - 7-All Exterior Doors Shall Be Weatherstriped.All Exterior Joints Around Door Frames & Windows And At All Penetrations Thru Building Envelope Shall Be Sealed Using Sealants & Caulking.
 - 8-All Architectural Glazing Within 48" Of Doors Shall Be Tempered Including Glazing Of Doors.(If Any)
 - 9-Contractor Shall Submit Complete Set Of Millwork Drawings To Owner For Approval Prior To Construction.
 - 10-All Finish Surfaces Shall Have A Flame Spread Clasification Of Class III Or Higher (Flame Spread Index 76 Thru 200 & A Smoke Density Rating Of 450).
 - 11-All Drapes,Curtains & Decorative Material Provided And/Or Installed By The General Contractor Shall Be Made From Non Flammable Materials Or Treated With Flame Retardant As Approved By The Local Fire Marshal.
 - 12-Owner Shall Provide Portable Fire Extinguishers Per Local Fire Marshal.General Contractor To Install.
 - 13-Building Address Numbers Shall Be A Minimum 6" High And Be Of Contrasting Colors.
 - 14-Exits Shall Be illuminated At Any Time The Building Is Occupied With Light Having An Intensity Of Not less Than One Foot Candle At Floor Level.Building Code Section 1012.
(Refer To Electrical Drawings)
 - 15-Provide Exit Signs Per Building Code Section 3314 (a,b,c).
(Refer To Electrical Drawings)
 - 16-Provide Approved Exiting Illumination And Illuminated Exit Signs.Tite 24,Section 1012 & 1013 (Refer To Electrical Drawings)
 - 17-Restroom Walls And Ceiling Shall Not Be Insulated.

Fire Department Notes:

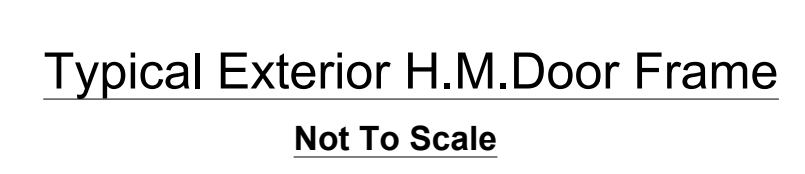
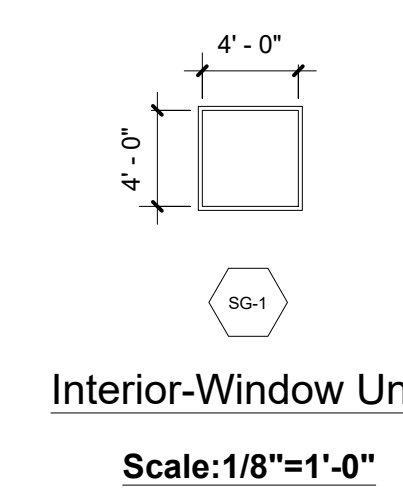
- 1-All Handheld Fire Extinguishers Shall Be Type 2A10BC Placed Within A 75' Travel Distance.Exact Quantity And Location Shall Be Determined By Fire Official During Final Inspection.
- 2-Approved Address Signage In Accordance With Fire Dept. Standards Shall Be Placed On The Building In Such A Position As To Be Plainly Visible And Legible From The Street Or Road Fronting This Property.Said Numbers Shall Contrast With Their Background And Shall Be Installed Prior To Certificate Of Occupancy.
- 3-An Approved Security Lock Box System For Fire Dept. Access To Fire Protection Equipment And Building Common Areas Shall Be Installed Per Uniform Fire Code,According To Fire Dept. Standard "Key Box System"
- 4-No Landscaping (Trees,Shrubs, Etc.) May Be Placed Within 5 Ft.Of Any Fire Protection Equipment.
- 5-Provide On Site Fire Hydrants Per Fire Dept.Standards For Fire Protection.

Note: Max. Force To Operate Doors Is Limited To 15 Lb.
Note: All Interior Doors On 1Hr. Fire Rated Doors Shall Have Locking Hardware And Emergency Touch Bars

Note:
Every Cannabis Business Shall Secure The Following Areas Using Commercial Grade Non Residential Door Locks, Roof Hatches, And Window Locks In A Manner That Prevents Free And Unauthorized Access, Pursuant To 16 CCR 5042.



Qty.	Tag	Location	Size	Window Type	Fire Rating	Hardware	Manufacturer	Remarks
1	SG-01	6" Interior Walls	4' x 4'	Sliding	H.M.	3/8" Thick Tempered Glass	Commercial Door Metal Systems 14610 Central Ave. Chino Ca. 91710 1 800 408 3667	Low "E" Glass



Revision Date

ZNYI Engineering Inc.
Zhang Yuan Ni P.E.
8232 Garvey Ave. #206
Rosemead California 91770

REGISTERED PROFESSIONAL ENGINEER
ZHANG YUAN NI
No. C98149
Exp. 6-30-2021
STATE OF CALIFORNIA
Professional Engineer

Building D Notes And Schedules

CANTEBURY CULTIVATION FACILITIES
CALIFORNIA CITY, CALIFORNIA 93505
CANTEBURY MANAGEMENT L.L.C.

Project Number:CCC-01
Date:7.16.2020
Drawn By:NI
Checked By
A102.40
Scale:As Noted

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Revision	Date

ZYNI Engineering Inc.
 Zhang Yuan Ni P.E.
 8232 Garvey Ave. #206
 Rosemead California 91770



Floor Plan Building E

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 CALIFORNIA CITY, CALIFORNIA 93505
 CANTEBURY
 MANAGEMENT L.L.C.

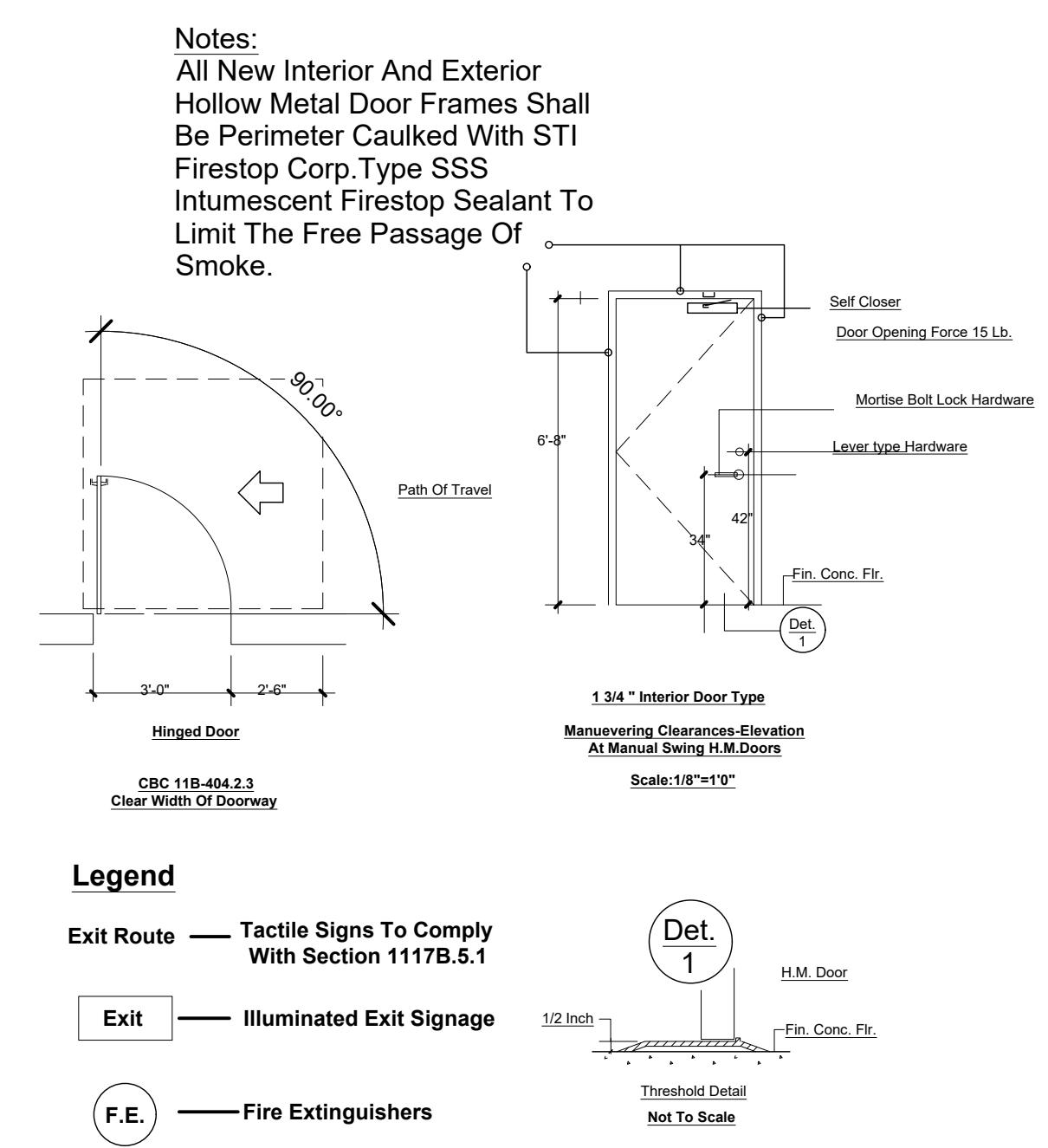
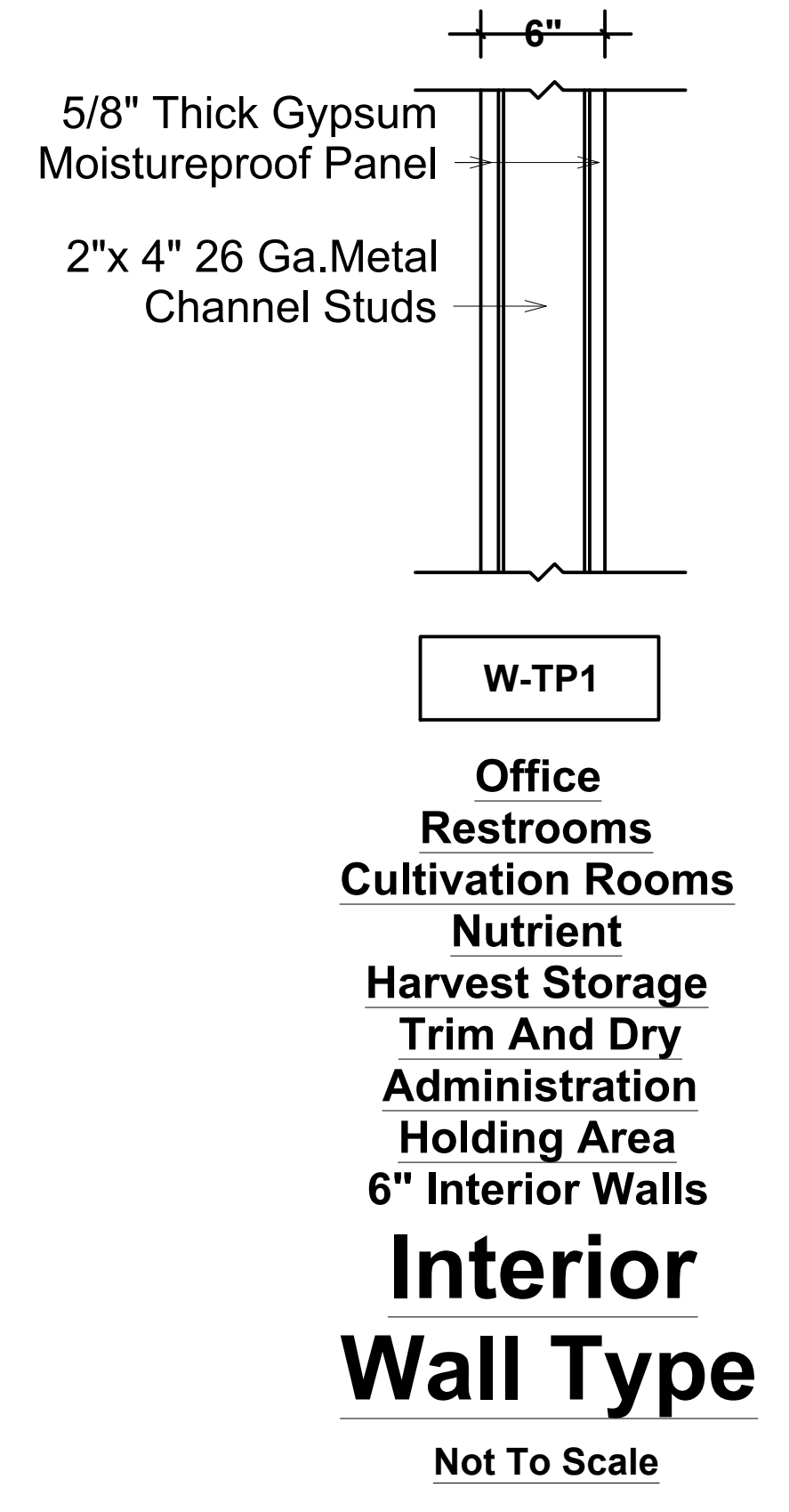
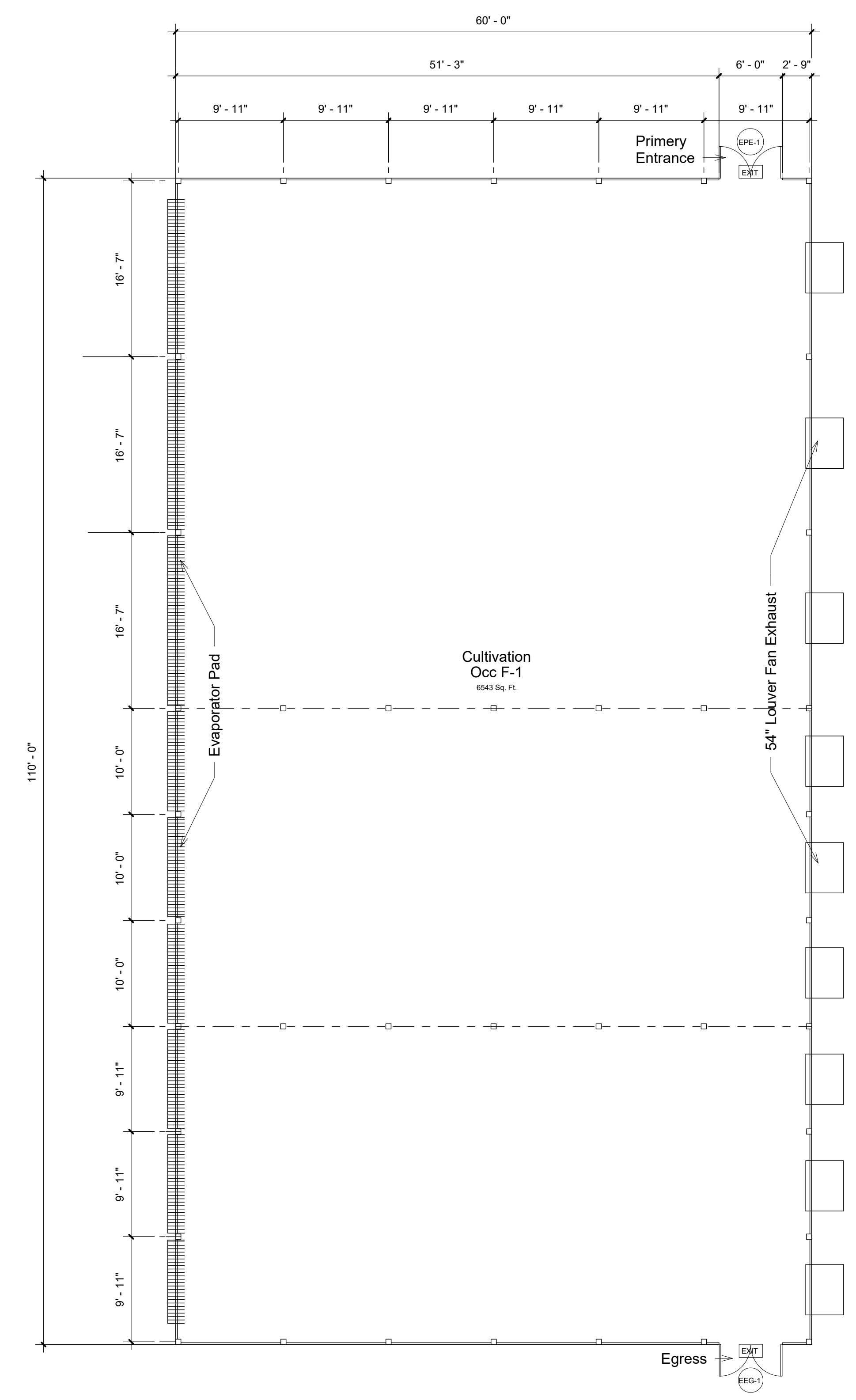
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 Date: 7.16.2020
 Drawn By: NI
 Checked By:
A102.50
 Scale: As Noted

Parcel 2 Building "E" Floor Plan

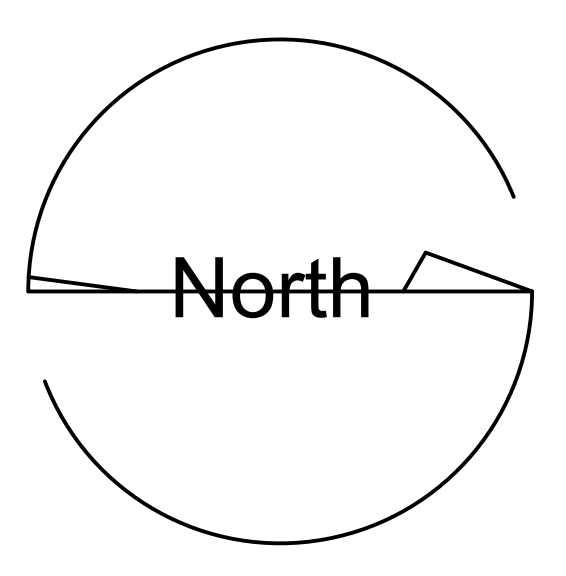
Scale: 1/8" = 1'-0"
 6,600 Gross Sq. Ft.
 F.F. 2,432'

6,600 Sq. Ft. Net Gross Floor Area
 Details Description:
 Cultivation:
 6,543 Sq. Ft. Cultivation Rm.
 xx Sq. Ft. Quarantee Rm. (Admin. Hold)
 Distribution:
 xx Sq. Ft. Office/Distribution Vault
 xx Sq. Ft. Harvest Storage
 Trim/Dry:
 xx Sq. Ft. Trim/Dry
 Supplements:
 xx Sq. Ft. Nutrient Rm.
 6,543 Sq. Ft. Total Marijuana Operation Area

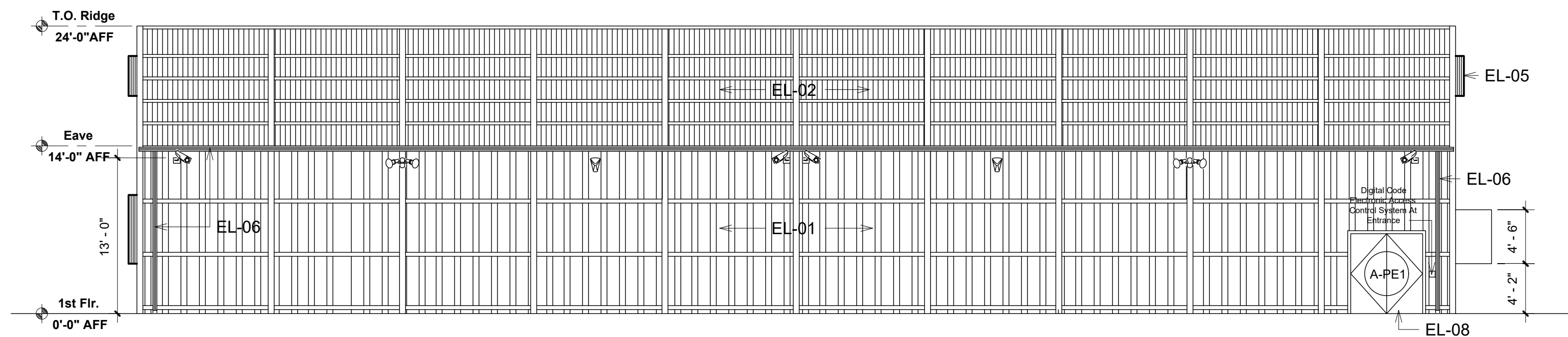
Note:
 No Hazardous Material Stored In Greenhouse
 Note:
 Max. Occupancy Per Day Is 6-12 Persons



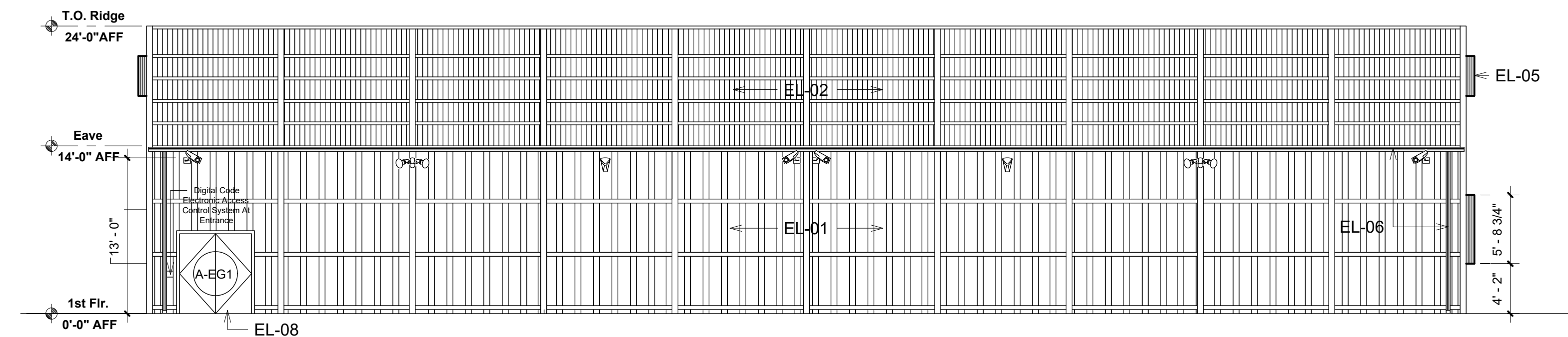
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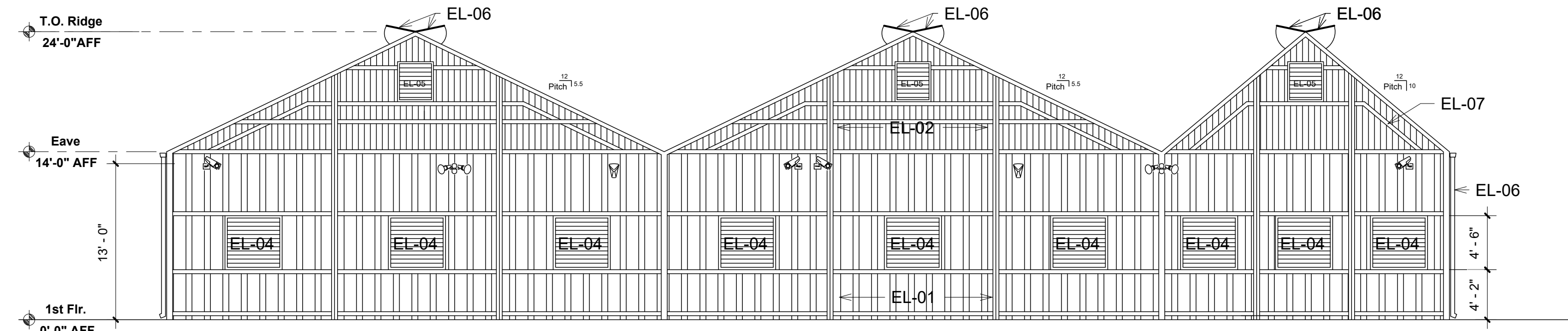
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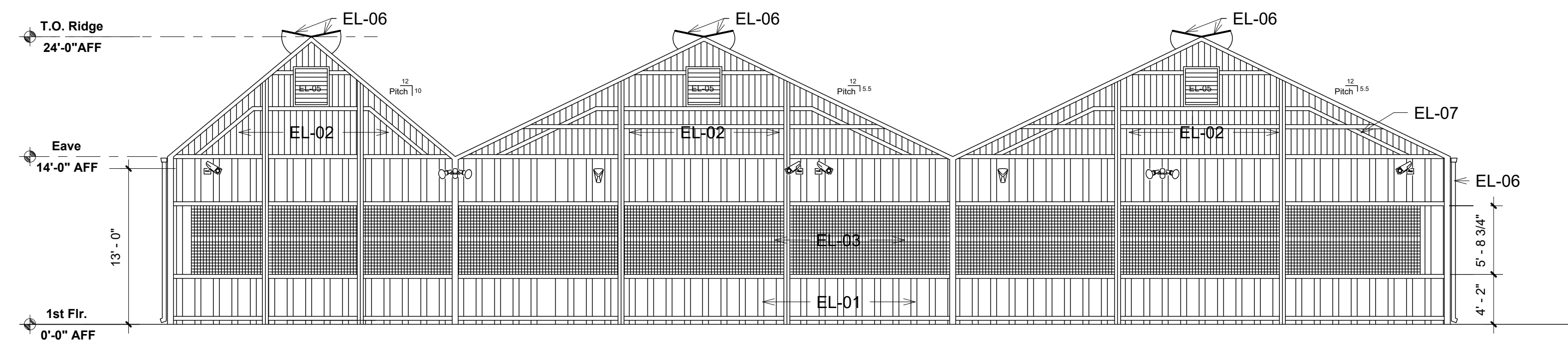
Bldg. A,B
South Elevation
Scale: 1/8"=1'-0"



Bldg. A,B
North Elevation
Scale: 1/8"=1'-0"



Bldg. A,B
East Elevation
Scale: 1/8"=1'-0"



Bldg. A,B
West Elevation
Scale: 1/8"=1'-0"

Exterior Elevation Legend

- Elevation Level
- Door Designation
- Indicates Exterior Color
- EL-02 Key Note

Key Note Legend

Number	Note
--------	------

EL-01	MAX Rib Steel Side Walls
EL-02	Corrugated "Dyna Glass Solar Soft Max" Panels Color "Translucent White"
EL-03	36" Wide Evaporator System
EL-04	54" Exhaust Fans
EL-05	24" Exhaust Fans
EL-06	54" x 12'-0" Double Roof Vents

Legend-Security Equipment

- Video Camera
- Exterior Dual Light Fixture
- Security Strobe Light Fixture

EL-07	SFS Shade Systems
EL-08	90 Minute Fire Rated Hollow Metal 6'-0" Wide Double Doors
EL-09	6 in. Wide Aluminum Gutter And Leader
EL-10	Building Address: 12" Min. Numerals Metal, Contrast Color To Be Approved By Engineer. Final Location Shall Be Approved By City.
EL-11	
EL-12	

Exterior Material And Color Legend

- Paint 1
Steel Side Rib Walls
Sherwin Williams
Kynar 500 "Surrey Beige"
- Paint 2
All Trim: Fascia, Eaves
Gutters, Metal Downspouts, Coping, Caps
Kynar 500 "Surrey Beige"
- Paint 3
Doors Frames And Panels, Overhead Roll Up
Doors Sherwin Williams
Kynar 500 "Surrey Beige"

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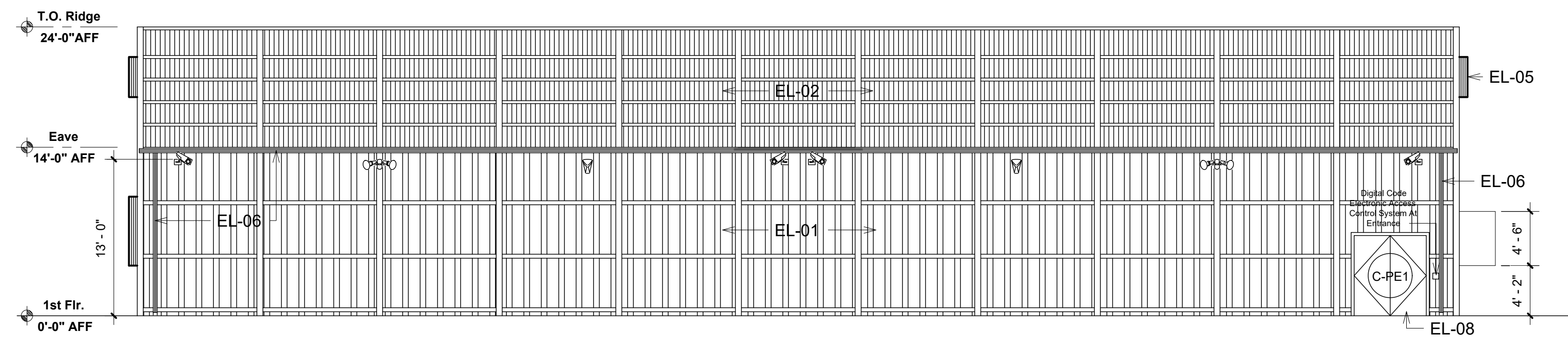
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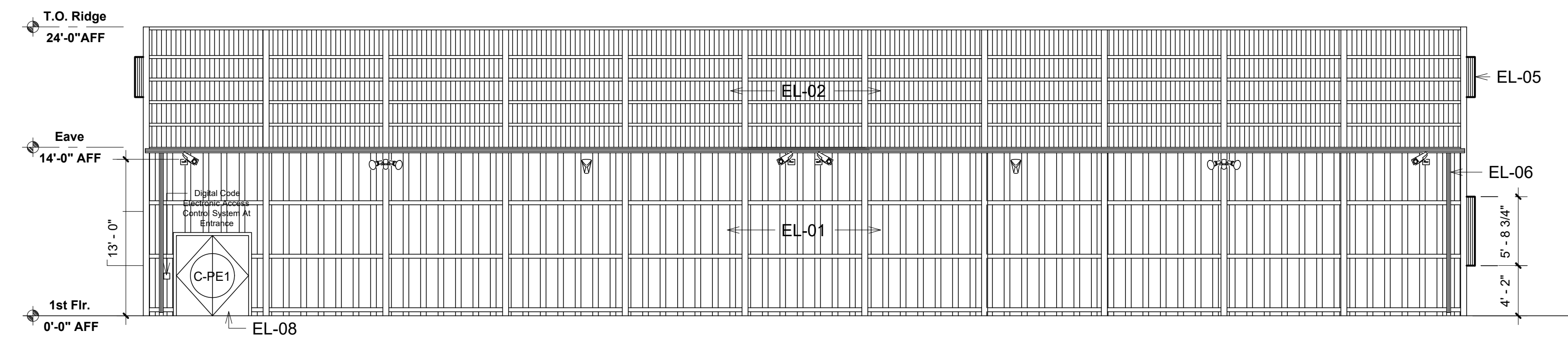
Elevations Buildings A&B

CANTEBURY CULTIVATION FACILITIES
CALIFORNIA CITY, CALIFORNIA 93505
**CANTEBURY
MANAGEMENT L.L.C.**

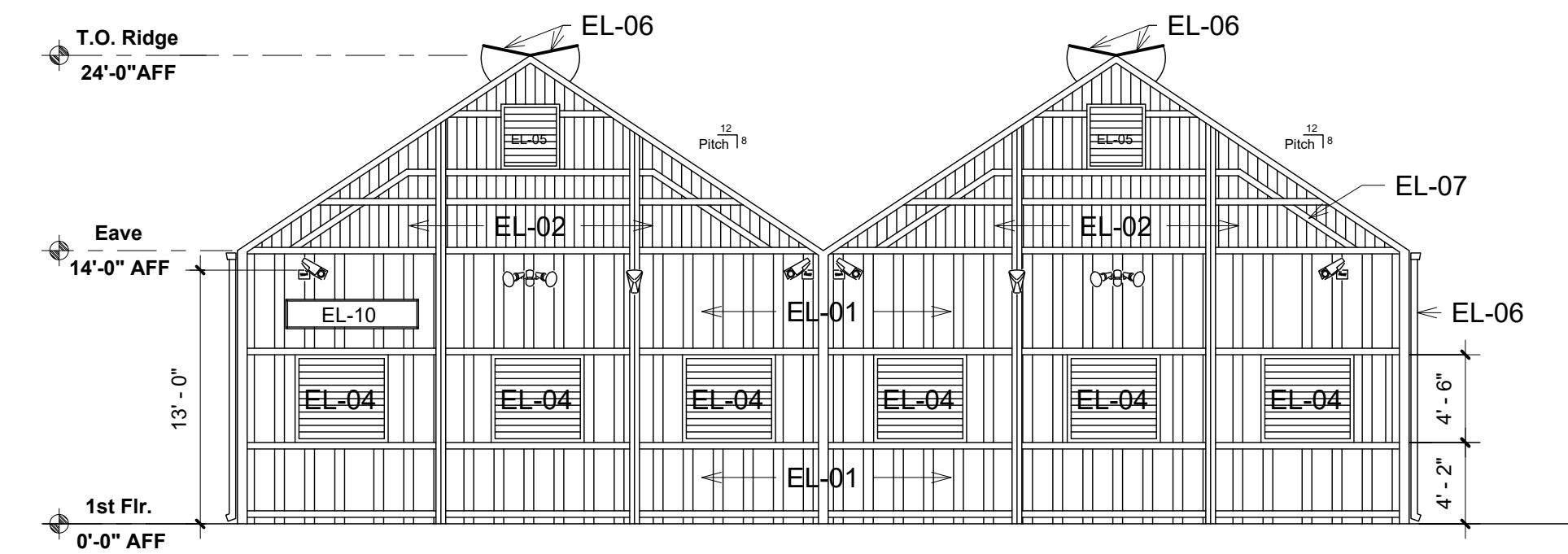
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Drawn By: NI
Checked By
A103
Scale: As Noted



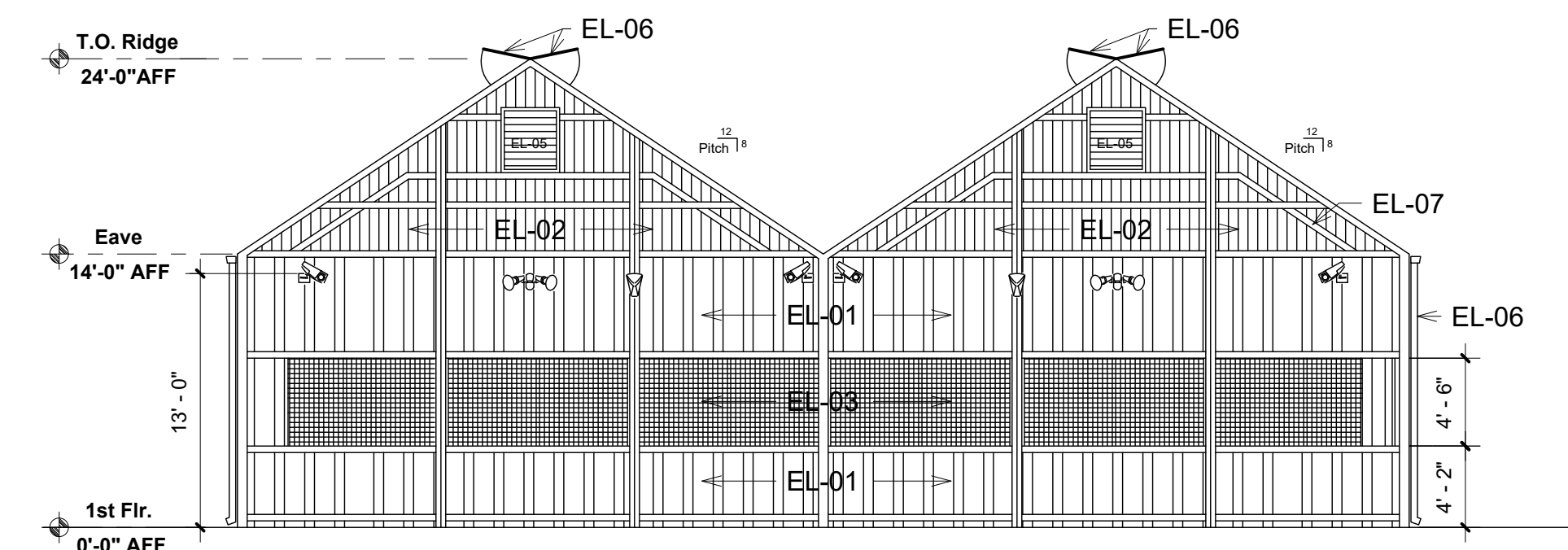
Bldg. C
South Elevation
Scale:1/8"=1'-0"



Bldg. C
North Elevation
Scale:1/8"=1'-0"



Bldg. C
East Elevation
Scale:1/8"=1'-0"



Bldg. C
West Elevation
Scale:1/8"=1'-0"

Exterior Elevation Legend

—•— Elevation Level

○ PE-1 Door Designation

◇ C Indicates Exterior Color

EL-02 Key Note

Key Note Legend

Number	Note
--------	------

EL-01	MAX Rib Steel Side Walls
EL-02	Corrugated "Dyna Glass Solar Soft Max" Panels Color "Translucent White"
EL-03	36" Wide Evaporator System
EL-04	54" Exhaust Fans
EL-05	24" Exhaust Fans
EL-06	54" x 12'-0" Double Roof Vents

Legend-Security Equipment

- Video Camera
- Exterior Dual Light Fixture
- Security Strobe Light Fixture

EL-07	SFS Shade Systems
EL-08	90 Minute Fire Rated Hollow Metal 6'-0" Wide Double Doors
EL-09	6 In. Wide Aluminum Gutter And Leader
EL-10	Building Address:12" Min. Numerals Metal,Contrast Color To Be Approved By Engineer.Final Location Shall Be Approved By City.
EL-11	
EL-12	

Exterior Material And Color Legend

◇ A Paint 1
Steel Side Rib Walls
Kynar 500 "Surrey Beige"

◇ B Paint 2
All Trim:Fascia , Eaves
Gutters,Metal Downspouts,Coping,Caps
Kynar 500 "Surrey Beige"

◇ C Paint 3
Doors Frames And Panels,Overhead Roll Up
Doors
Kynar 500 "Surrey Beige"

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ZYNI Engineering Inc.
Zhang Yuan Ni P.E.
8232 Garvey Ave. #206
Rosemead California 91770

Elevations Building C

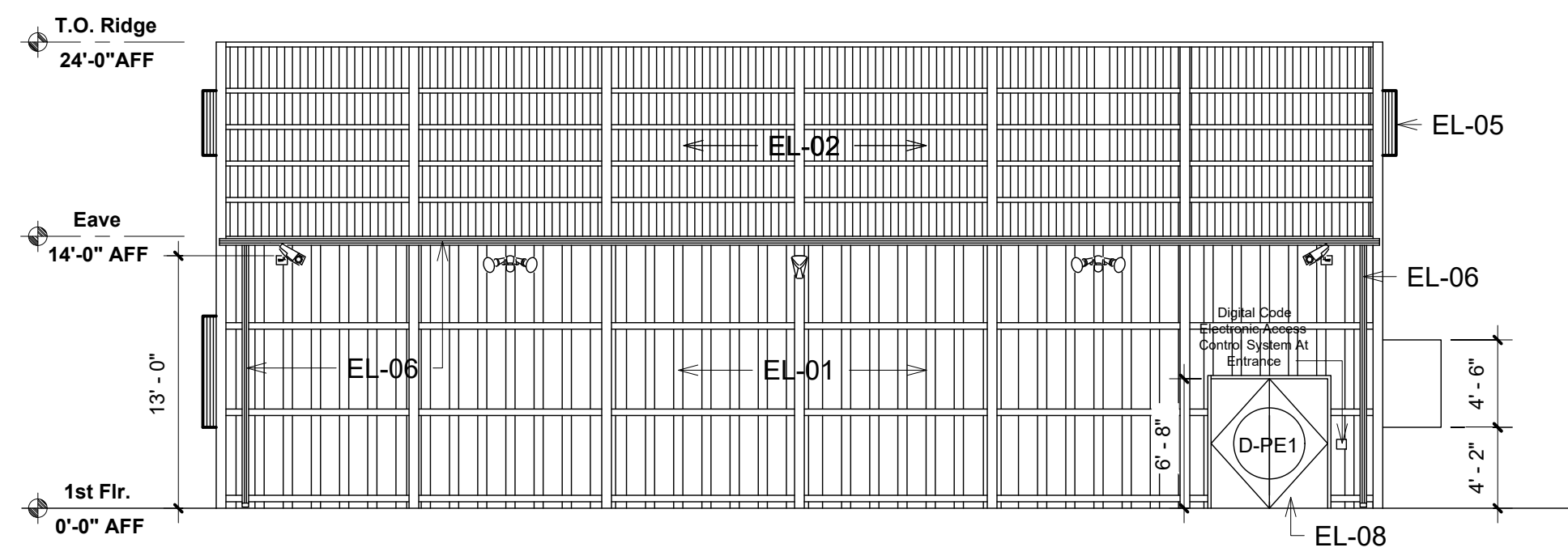
CANTEBURY CULTIVATION FACILITIES
CALIFORNIA CITY, CALIFORNIA 93505

CANTEBURY
MANAGEMENT L.L.C.

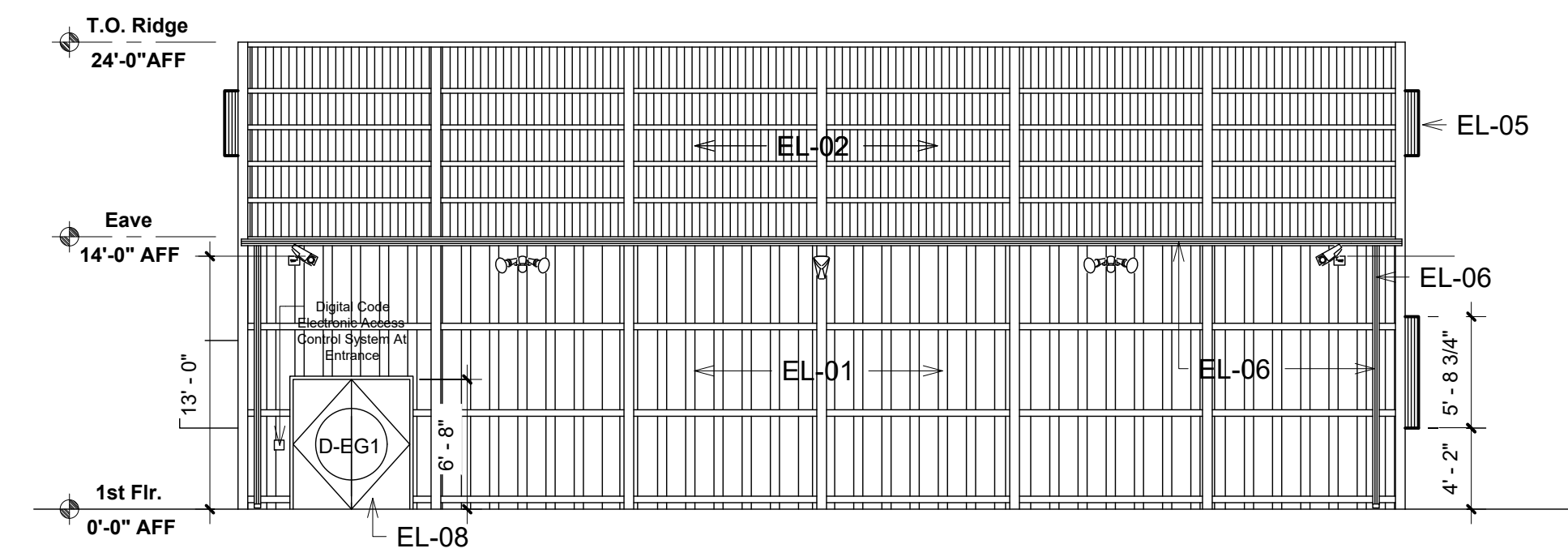
Project Number:CCC-01
Date:7.16.2020
Drawn By:NI
Checked By

A103.10

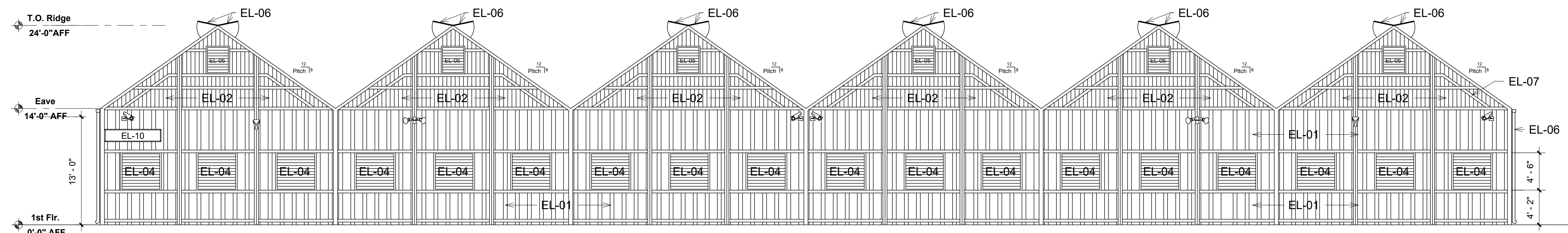
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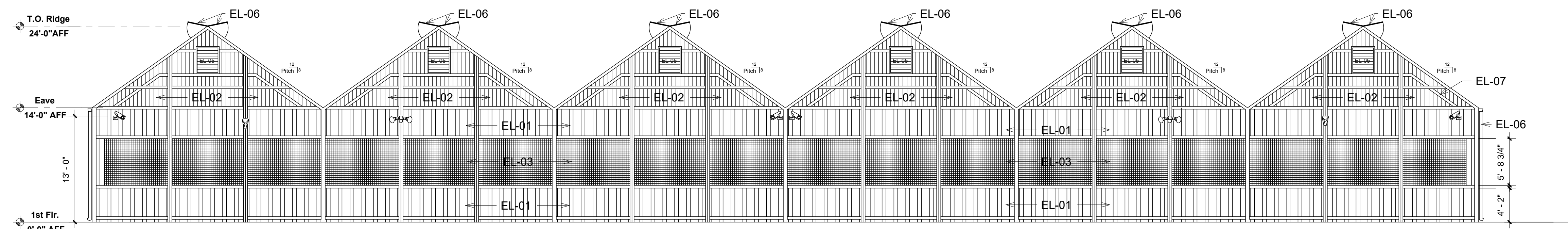
**Bldg. D
South Elevation**
Scale:1/8"=1'-0"



**Bldg. D
North Elevation**
Scale:1/8"=1'-0"



**Bldg. D
East Elevation**
Scale:1/8"=1'-0"



**Bldg. D
West Elevation**
Scale:1/8"=1'-0"

Exterior Elevation Legend

- Elevation Level
- Door Designation
- Indicates Exterior Color
- EL-02 Key Note

Key Note Legend

Number	Note
--------	------

EL-01	MAX Rib Steel Side Walls
EL-02	Corrugated "Dyna Glass Solar Soft Max" Panels Color "Translucent White"
EL-03	36" Wide Evaporator System
EL-04	54" Exhaust Fans
EL-05	24" Exhaust Fans
EL-06	54" x 12'-0" Double Roof Vents

Legend-Security Equipment

- Video Camera
- Exterior Dual Light Fixture
- Security Strobe Light Fixture

EL-07	SFS Shade Systems
EL-08	90 Minute Fire Rated Hollow Metal 6'-0" Wide Double Doors
EL-09	6 In. Wide Aluminum Gutter And Leader
EL-10	Building Address:12" Min. Numerals Metal, Contrast Color To Be Approved By Engineer.Final Location Shall Be Approved By City.
EL-11	
EL-12	

Exterior Material And Color Legend

- Paint 1
Steel Side Rib Walls
Kynar 500 "Surrey Beige"
- Paint 2
All Trim:Fascia ,Eaves
Gutters,Metal Downspouts,Coping,Caps
Kynar 500 "Surrey Beige"
- Paint 3
Doors Frames And Panels,Overhead Roll Up
Doors
Kynar 500 "Surrey Beige"

Revision	Date
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ZYNI Engineering Inc.
Zhang Yuan Ni P.E.
8232 Garvey Ave. #206
Rosemead California 91770

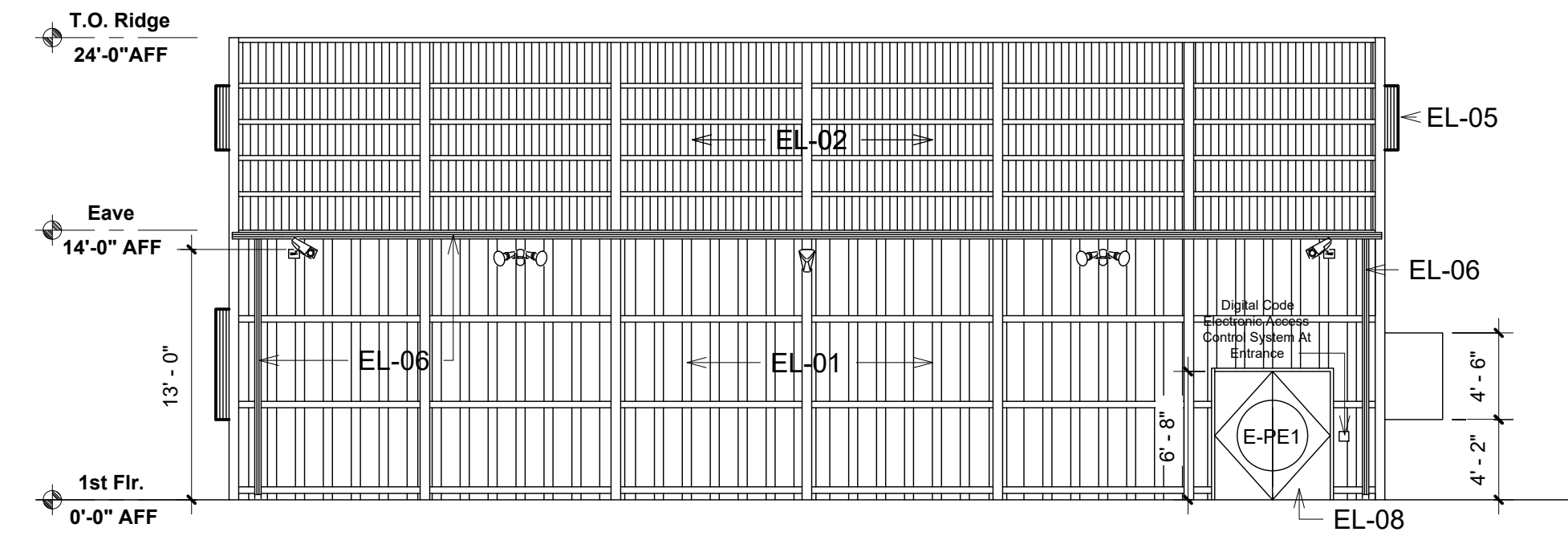


Elevations Building D

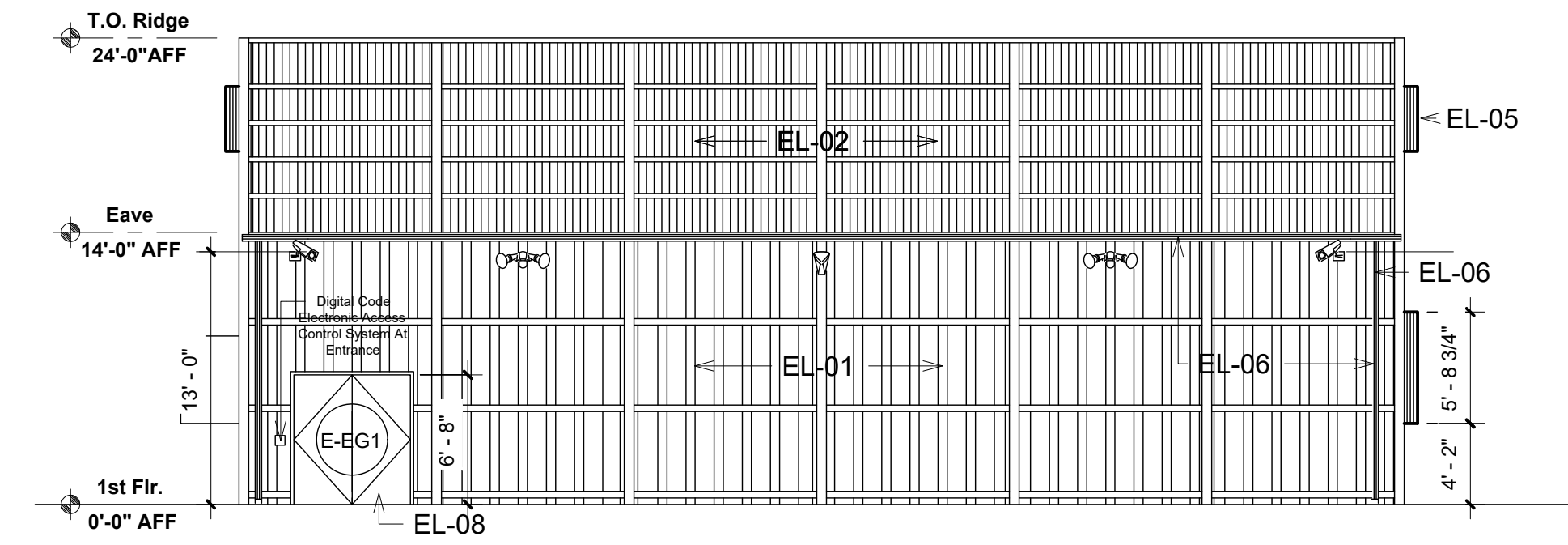
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CALIFORNIA CITY, CALIFORNIA 93505
CANTEBURY
MANAGEMENT L.L.C.

Project Number:CCC-01
Date:7.16.2020
Drawn By:NI
Checked By
A103.20
Scale:As Noted

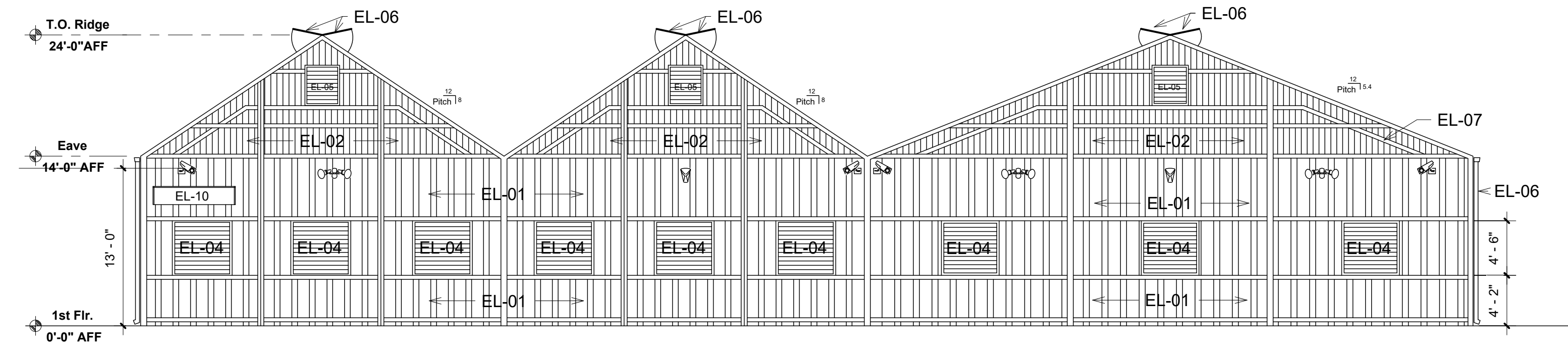
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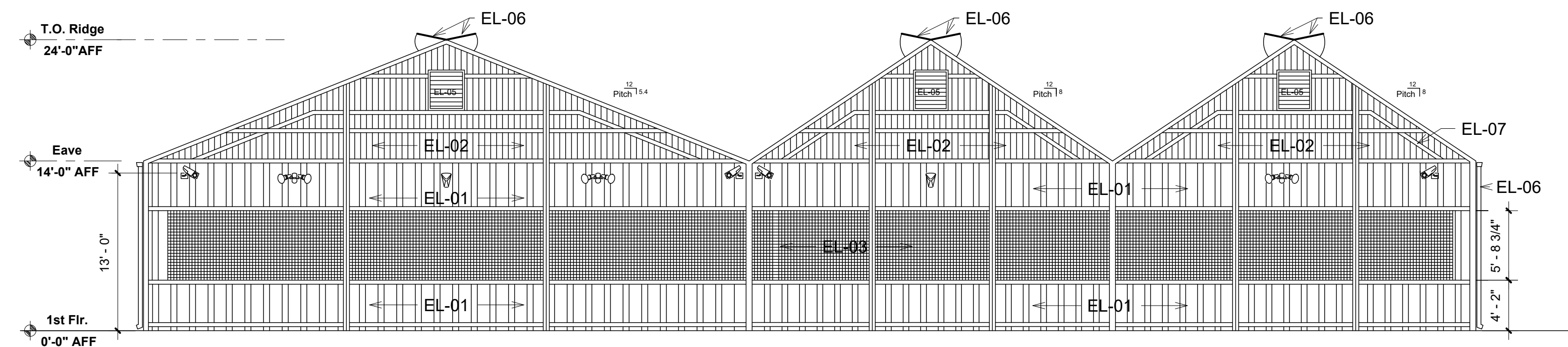
Bldg. E
South Elevation
Scale:1/8"=1'-0"



Bldg. E
North Elevation
Scale:1/8"=1'-0"



Bldg. E
East Elevation
Scale:1/8"=1'-0"



Bldg. E
West Elevation
Scale:1/8"=1'-0"

Exterior Elevation Legend

- Elevation Level
- Door Designation
- Indicates Exterior Color
- EL-02 Key Note

Key Note Legend

Number	Note
--------	------

EL-01	MAX Rib Steel Side Walls
EL-02	Corrugated "Dyna Glass Solar Soft Max" Panels Color "Translucent White"
EL-03	36" Wide Evaporator System
EL-04	54" Exhaust Fans
EL-05	24" Thermostatically Controlled 300 C.F.M. Exhaust Fans With Operable Louvers
EL-06	54" x 12'-0" Double Roof Vents

Legend-Security Equipment

- Video Camera
- Exterior Dual Light Fixture
- Security Strobe Light Fixture

EL-07	SFS Shade Systems
EL-08	90 Minute Fire Rated Hollow Metal 6'-0" Wide Double Doors
EL-09	6 In. Wide Aluminum Gutter And Leader
EL-10	Building Address:12" Min. Numerals Metal,Contrast Color To Be Approved By Engineer.Final Location Shall Be Approved By City.
EL-11	
EL-12	

Exterior Material And Color Legend

- Paint 1
Steel Side Rib Walls
Kynar 500 "Surrey Beige"
- Paint 2
All Trim:Fascia ,Eaves
Gutters,Metal Downspouts,Coping,Caps
Kynar 500 "Surrey Beige"
- Paint 3
Doors Frames And Panels,Overhead Roll Up
Doors
Kynar 500 "Surrey Beige"

Revision	Date
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8232 Garvey Ave. #206
Rosemead California 91770



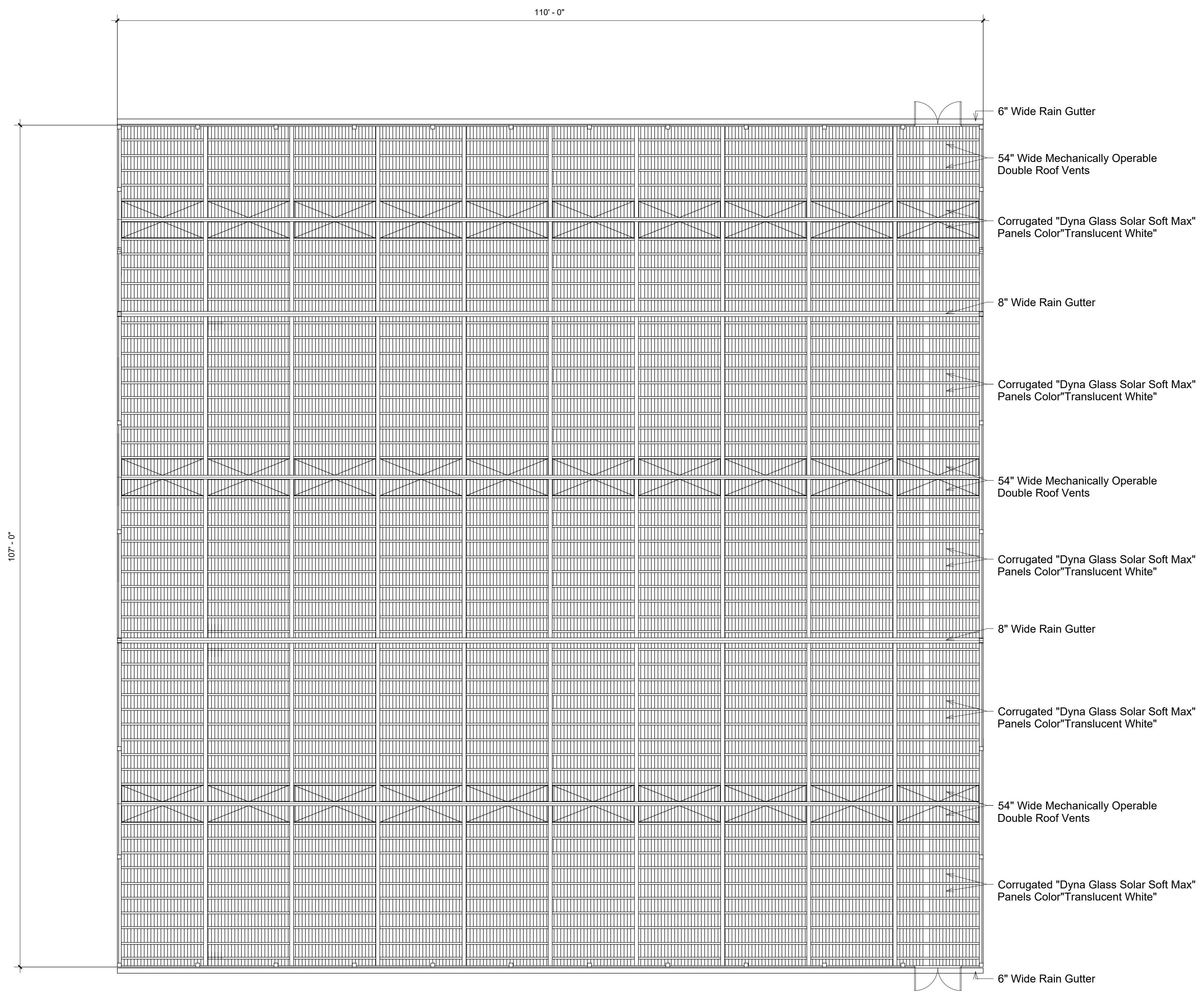
Elevations Building E

CANTEBURY CULTIVATION FACILITIES
CALIFORNIA CITY,CALIFORNIA 93505

CANTEBURY
MANAGEMENT L.L.C.

Project Number:CCC-01
Date:7.16.2020
Drawn By:NI
Checked By
A103.30
Scale:As Noted

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**Parcel 1
Building "A & B" Roof Plan**

Scale: 1/8"=1'-0"
6,600 Gross Sq. Ft.
F.F. 2,432'

Revision	Date

ZYNI Engineering Inc.
Zhang Yuan Ni P.E.
8232 Garvey Ave. #206
Rosemead California 91770



Roof Plans Buidling A & B

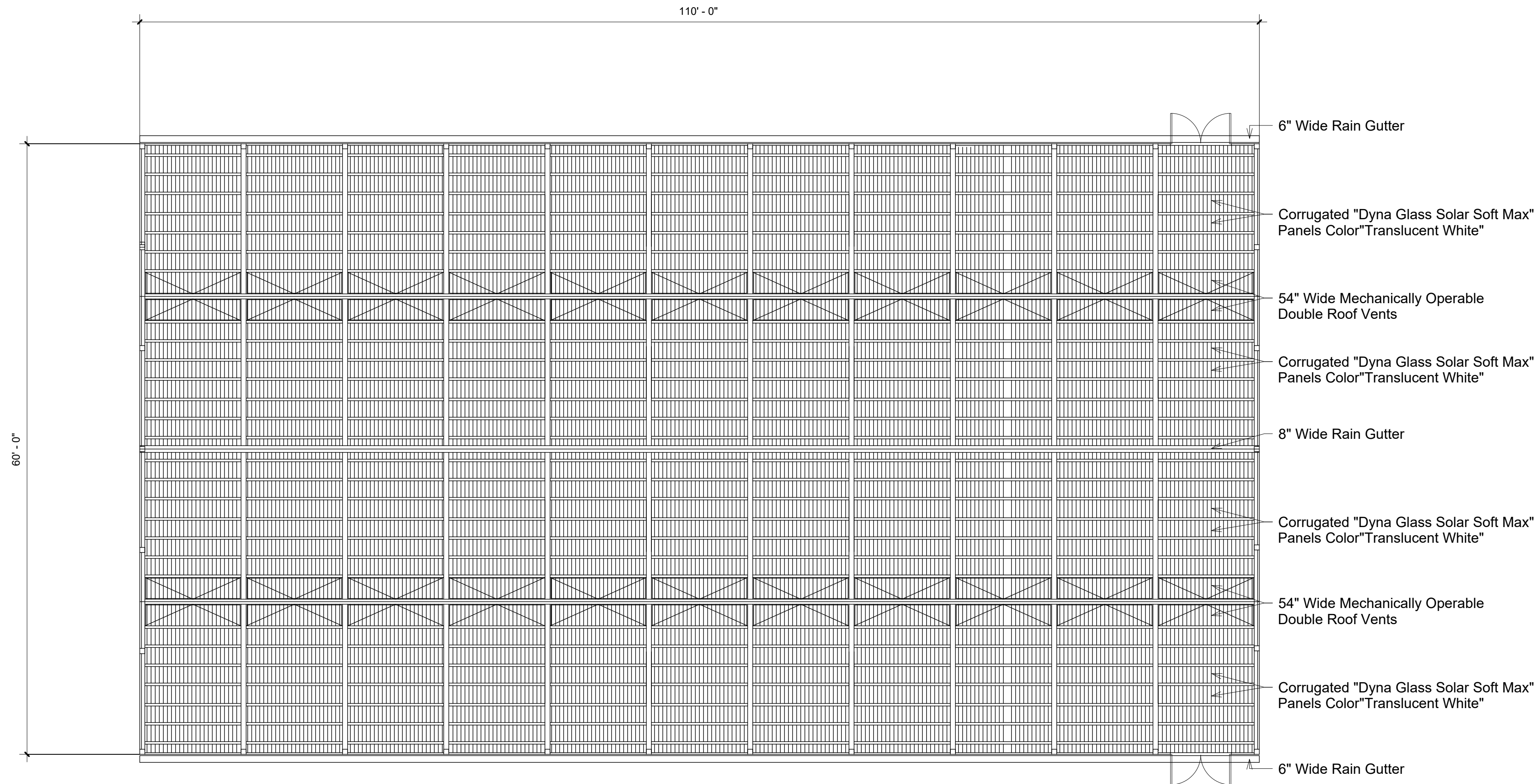
CANTEBURY CULTIVATION FACILITIES
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CANTEBURY
MANAGEMENT L.L.C.

Project Number: CCC-01
Date: 7.16.2020
Drawn By: NI
Checked By:

A104
Scale: As Noted

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**Parcel 1
Building "C" Roof Plan**

Scale: 1/8"=1'-0"
6,600 Gross Sq. Ft.
F.F. 2,432'

Revision	Date

ZYNI Engineering Inc.
Zhang Yuan Ni P.E.
8232 Garvey Ave. #206
Rosemead California 91770



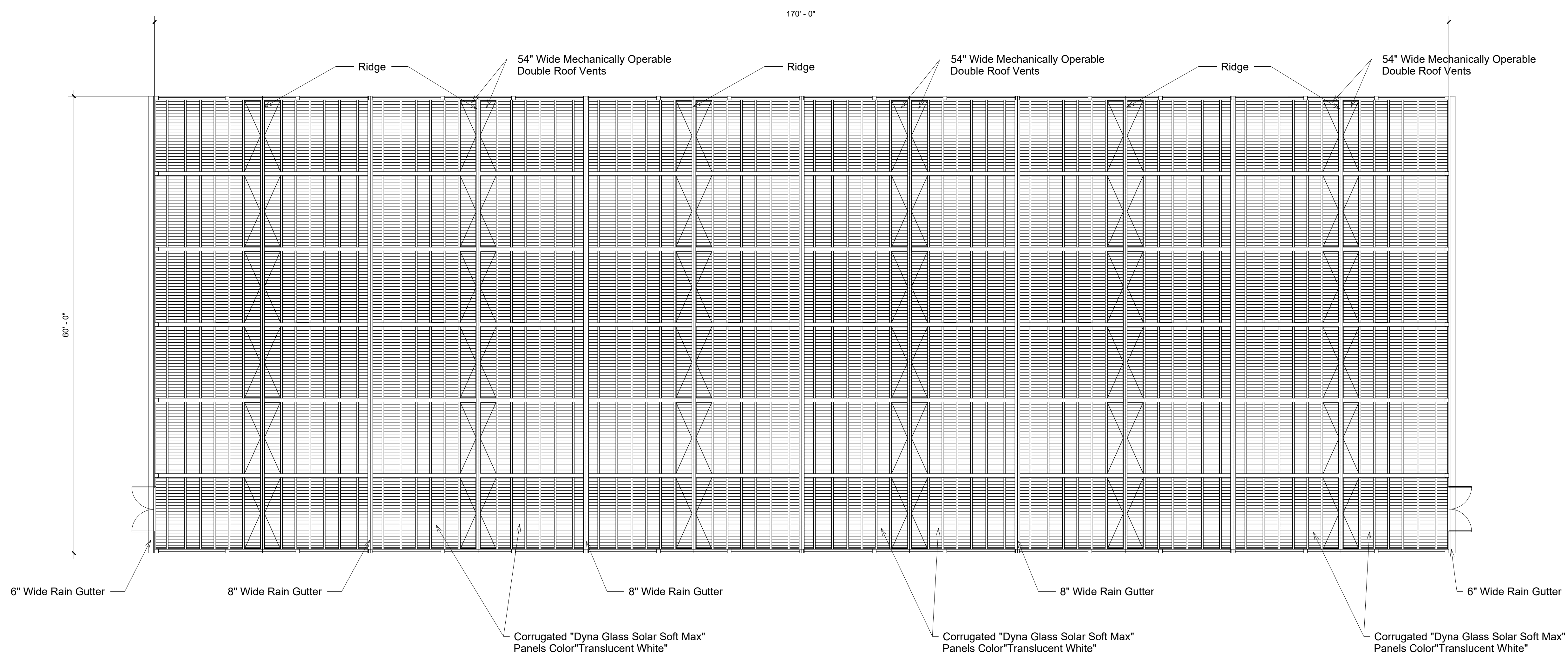
Roof Plans Building C

CANTEBURY CULTIVATION FACILITIES
CALIFORNIA CITY, CALIFORNIA 93505

CANTEBURY
MANAGEMENT L.L.C.

Project Number: CCC-01
Date: 7.16.2020
Drawn By: NI
Checked By:
A104.10
Scale: As Noted

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Parcel 2
Building "D" Roof Plan
 Scale: 1/8"=1'-0"
 6,600 Gross Sq. Ft.
 F.F. 2,432'

Revision	Date

ZYNI Engineering Inc.
 Zhang Yuan Ni P.E.
 8232 Garvey Ave. #206
 Rosemead California 91770



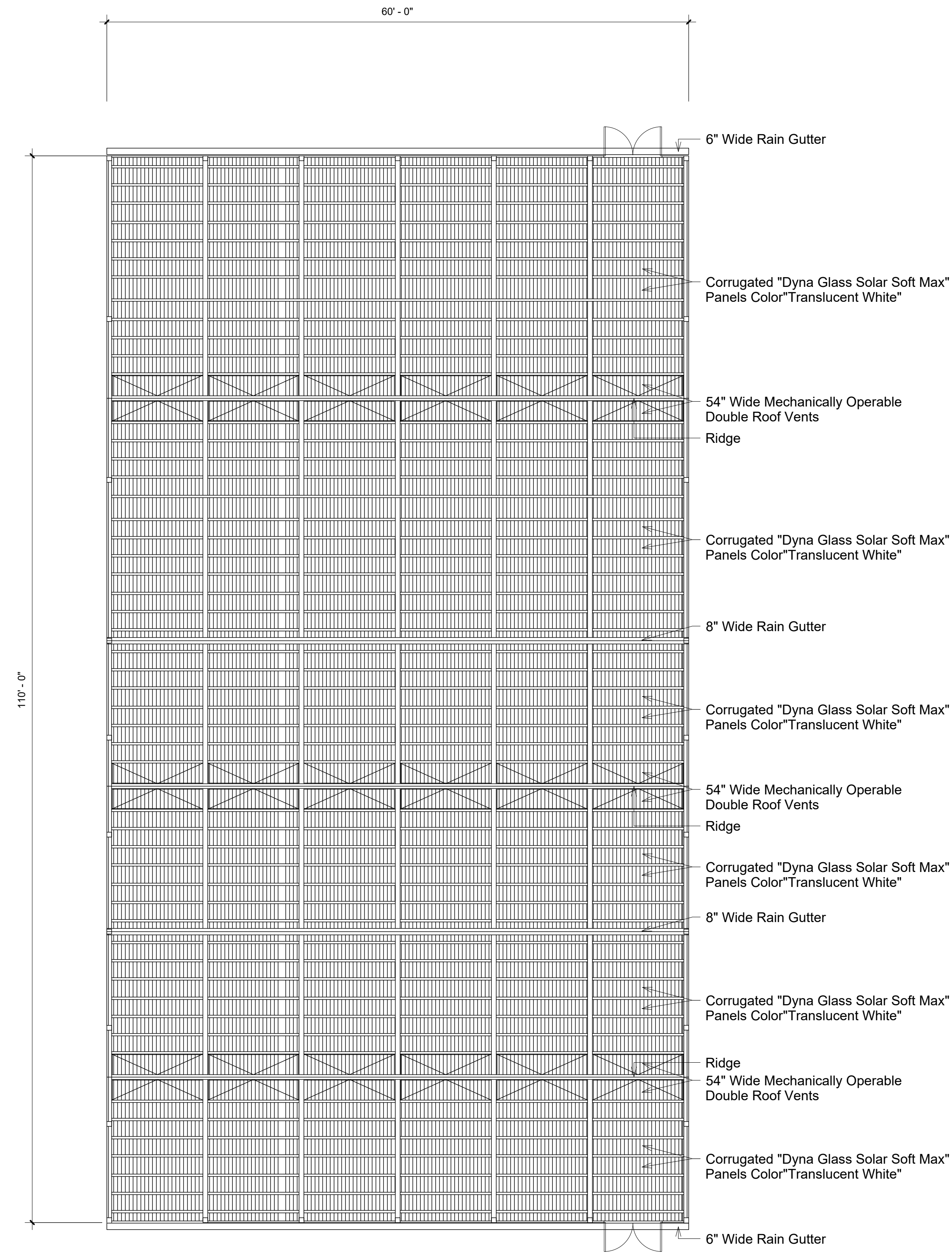
Roof Plan Building D

CANTEBURY CULTIVATION FACILITIES
 CALIFORNIA CITY, CALIFORNIA 93505

 CANTEBURY
 MANAGEMENT L.L.C.

Project Number: CCC-01
Date: 7.16.2020
Drawn By: NI
Checked By
A104.20
Scale: As Noted

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**Parcel 2
Building "E" Roof Plan**

Scale: 1/8"=1'-0"
6,600 Gross Sq. Ft.
F.F. 2,432'

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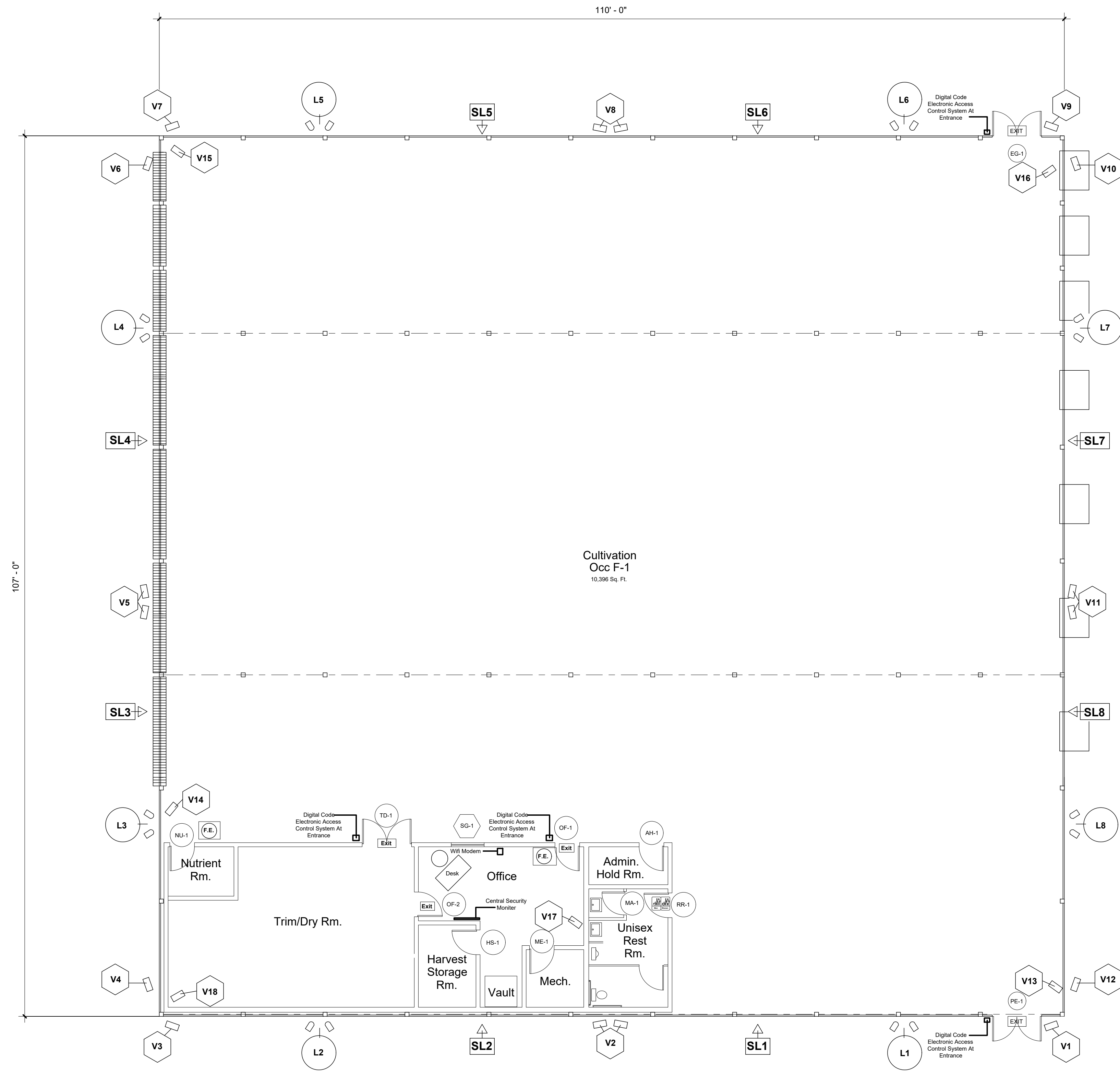
Roof Plan Building E

CANTEBURY CULTIVATION FACILITIES
CALIFORNIA CITY, CALIFORNIA 93505

CANTEBURY
MANAGEMENT L.L.C.

Project Number: CCC-01
Date: 7.16.2020
Drawn By: NI
Checked By:

A104.30
Scale: As Noted



**Parcel 1
Building "A,B" Security Plan**

Scale: 1/8"=1'-0"
11,770 Gross Sq. Ft.
F.F. 2,432'

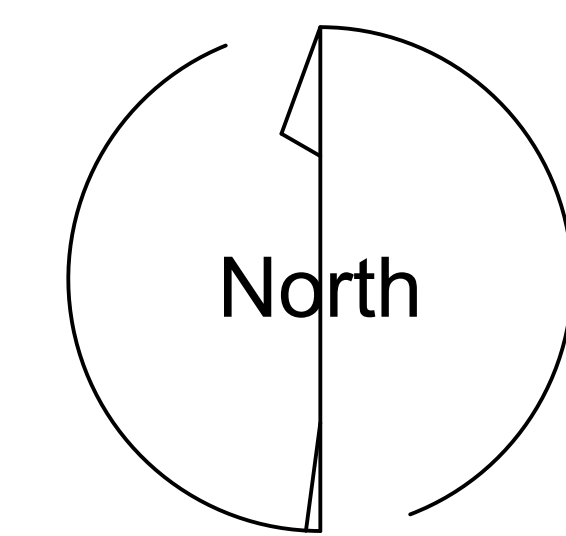
Exterior-Interior Security Lighting Legend					
Symbol	Description	Quantity	Symbol	Description	Quantity
	360 Degree Security Surveillance Equipment	8		Single Security Surveillance Equipment	14
	Exterior Building Dual Lighting	8 x 2 16		Exterior Building Triple Lighting	0
	Exterior Security Strobe Light	8		Single Exterior Building Lighting	0
				Total: 22 Video Stations	
				Total: 16 Light Stations	
				Total: 8 Strobe Light Stations	

General Notes:
 1-Every Cannabis Business Shall Secure The Following Areas Using Commercial Grade Non Residential Door Locks, Roof Hatches, And Window Locks In A Manner That Prevents Free And Unauthorized Access, Pursuant To 16 CCR 5042.
 2-An Approved Sign Designating The Maximum Occupant Load Shall Be Posted. Minimum Character Size Shall Be 12" Hgh By 1" Stroke.
 3-Portable Fire Extinguishers Shall Be Provided In Accordance With The Latest California Fire Code And The Fire Code Standard #10-1. Minimum Approved Size For All Portable Fire Extinguishers Shall Be Per City Of Adelanto Requirements. Locations Of Fire Extinguishers Shown On Plans.
 4- Fire Sprinkler System Must Be Installed In The Structure.

- Legend**
- Exit Route — Tactile Signs To Comply With Section 1117B.5.1
 - Exit — Illuminated Exit Signage
 - (F.E.) — Fire Extinguishers

Note:
No Hazardous Material Stored In Warehouse

Note:
Max. Occupancy Per Day Is 6 Persons



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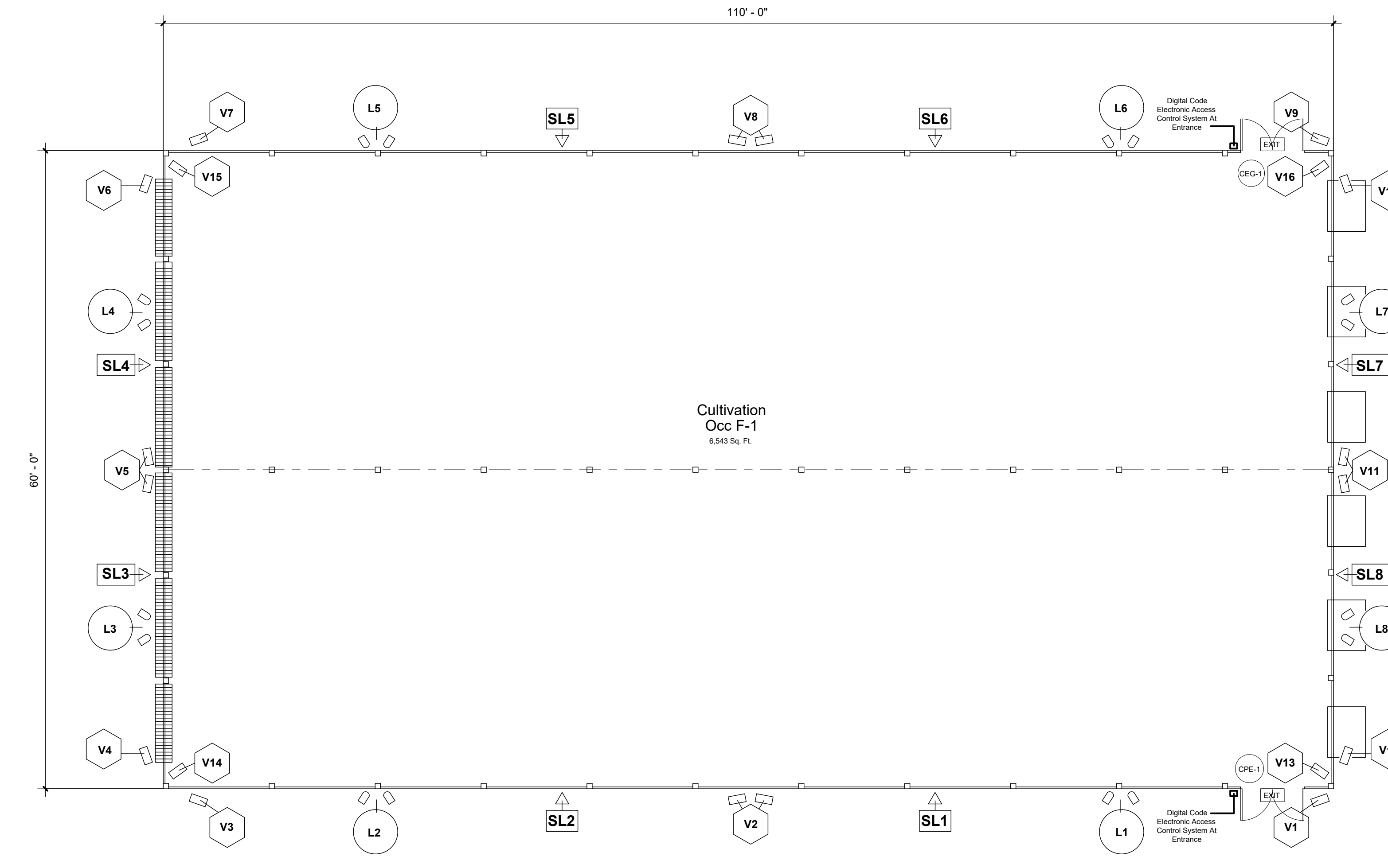
Professional Engineer

**Security Plans Buildings
A & B**

**CANTEBURY CULTIVATION FACILITIES
CALIFORNIA CITY, CALIFORNIA 93505**

**CANTEBURY
MANAGEMENT L.L.C.**

Project Number: CCC-01
Date: 7.16.2020
Drawn By: NI
Checked By:
A105
Scale: As Noted



**Parcel 1
Building "C" Security Plan**

Scale: 1/8"=1'-0"
6,600 Gross Sq. Ft.
F.F. 2,432'

Exterior-Interior Security Lighting Legend						
Symbol	Description	Quantity	Symbol	Description	Quantity	Description
	360 Degree Security Surveillance Equipment	8		Single Security Surveillance Equipment	12	110 Volt Dedicated Electrical Panel
	Exterior Building Dual Lighting	8 x 2 16		Exterior Building Triple Lighting	0	110 Volt Dedicated Electrical Panel
	Exterior Security Strobelight	8		Single Exterior Building Lighting	0	Total: 20 Video Stations Total: 16 Light Stations Total: 8 Strobe Light Stations

General Notes:
 1-Every Cannabis Business Shall Secure The Following Areas Using Commercial Grade Non Residential Door Locks, Roof Hatches, And Window Locks In A Manner That Prevents Free And Unauthorized Access, Pursuant To 16 CCR 5042.
 2-An Approved Sign Designating The Maximum Occupant Load Shall Be Posted. Minimum Character Size Shall Be 12" High By 1" Stroke.
 3-Portable Fire Extinguishers Shall Be Provided In Accordance With The Latest California Fire Code And The Fire Code Standard #10-1. Minimum Approved Size For All Portable Fire Extinguishers Shall Be Per City Of Adelanto Requirements. Locations Of Fire Extinguishers Shown On Plans.

- Legend**
- Exit Route — Tactile Signs To Comply With Section 1117B.5.1
 - Exit — Illuminated Exit Signage
 - (F.E.) — Fire Extinguishers

Note:
No Hazardous Material Stored In Warehouse

Note:
Max. Occupancy Per Day Is 6 Persons

Revision	Date

ZYNI Engineering Inc.
Zhang Yuan Ni P.E.
8232 Garvey Ave. #206
Rosemead California 91770



Security Plan Building C

CANTEBURY CULTIVATION FACILITIES
CALIFORNIA CITY, CALIFORNIA 93505

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Project Number: CCC-01
Date: 7.16.2020
Drawn By: NI
Checked By:
A105.10
Scale: As Noted

ZYNI Engineering Inc.
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 Rosemead California 91770

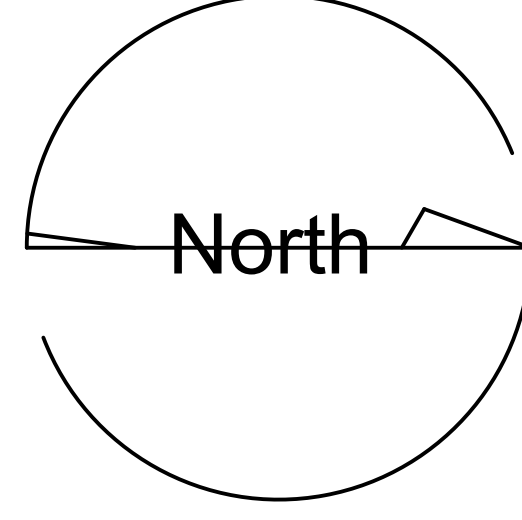
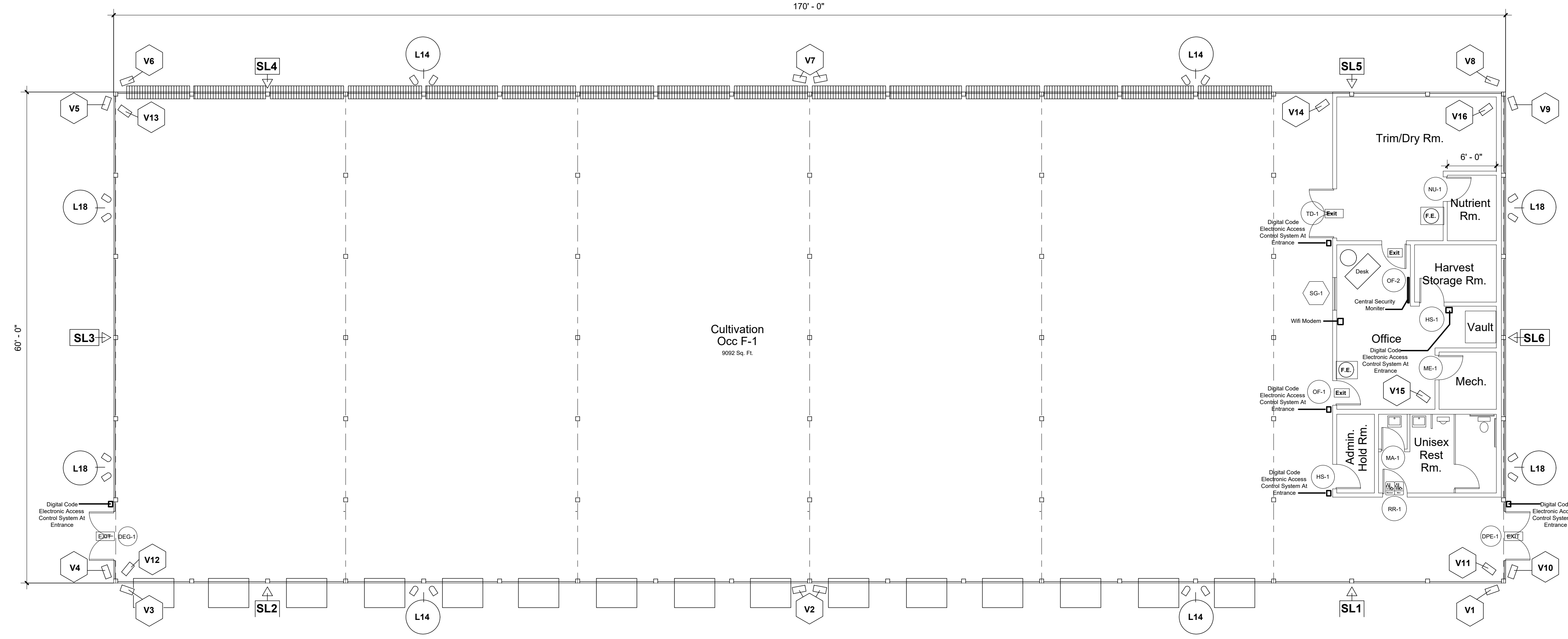


Security Plan Building D

CANTEBURY CULTIVATION FACILITIES
 CALIFORNIA CITY, CALIFORNIA 93505

CANTEBURY
 MANAGEMENT L.L.C.

Project Number: CCC-01
 Date: 7.16.2020
 Drawn By: NI
 Checked By:
A105.20
 Scale: As Noted



Parcel 2
Building "D" Security Plan
 Scale: 1/8"=1'-0"
 10,200 Gross Sq. Ft.
 F.F. 2,432'

Exterior-Interior Security Lighting Legend					
Symbol	Description	Quantity	Symbol	Description	Quantity
	360 Degree Security Surveillance Equipment	4		Single Security Surveillance Equipment	14
	Exterior Building Dual Lighting	8 x 2 16		Exterior Building Triple Lighting	0
	Exterior Security Strobe Light	6		Single Exterior Building Lighting	0
			Total: 18 Video Stations		
			Total: 16 Light Stations		
			Total: 6 Strobe Light Stations		

General Notes:
 1-Every Cannabis Business Shall Secure The Following Areas Using Commercial Grade Non Residential Door Locks, Roof Hatches, And Window Locks In A Manner That Prevents Free And Unauthorized Access, Pursuant To 16 CCR 5042.
 2-An Approved Sign Designating The Maximum Occupant Load Shall Be Posted. Minimum Character Size Shall Be 12" Hgh By 1" Stroke.
 3-Portable Fire Extinguishers Shall Be Provided In Accordance With The Latest California Fire Code And The Fire Code Standard #10-1. Minimum Approved Size For All Portable Fire Extinguishers Shall Be Per City Of Adelanto Requirements. Locations Of Fire Extinguishers Shown On Plans.
 4- Fire Sprinkler System Must Be Installed In The Structure.

- Legend**
- Exit Route — Facile Signs To Comply With Section 1117B.5.1
 - Exit — Illuminated Exit Signage
 - F.E. — Fire Extinguishers

Note:
 No Hazardous Material Stored In Warehouse

Note:
 Max. Occupancy Per Day Is 6 Persons

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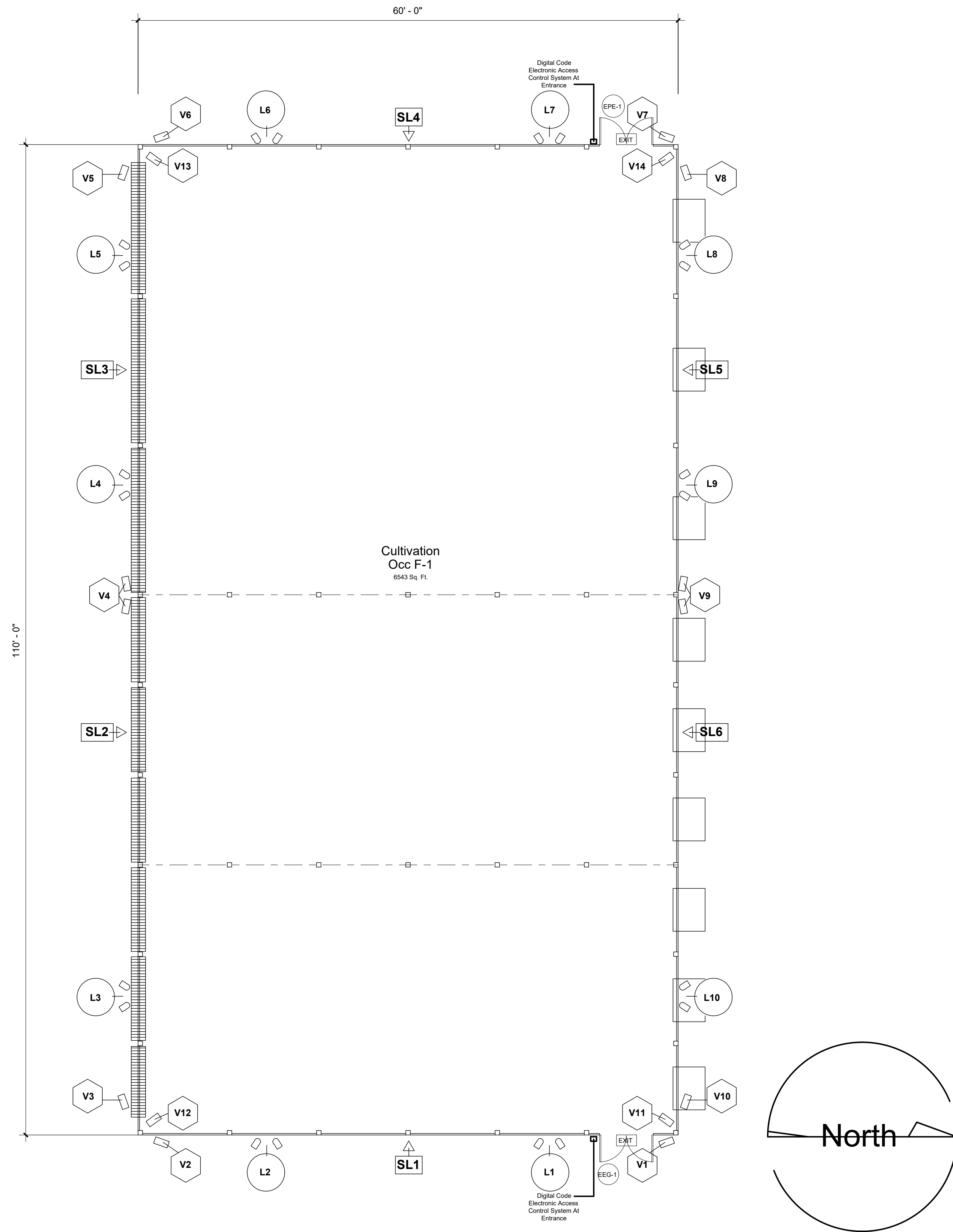
Security Plan Building E

CANTEBURY CULTIVATION FACILITIES
 CALIFORNIA CITY, CALIFORNIA 93505

CANTEBURY
 MANAGEMENT L.L.C.

Project Number: CCC-01
 Date: 7.16.2020
 Drawn By: NI
 Checked By:
A105.30
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Parcel 2 Building "E" Security Plan

Scale: 1/8"=1'-0"
 6,600 Gross Sq. Ft.
 F.F. 2,432'

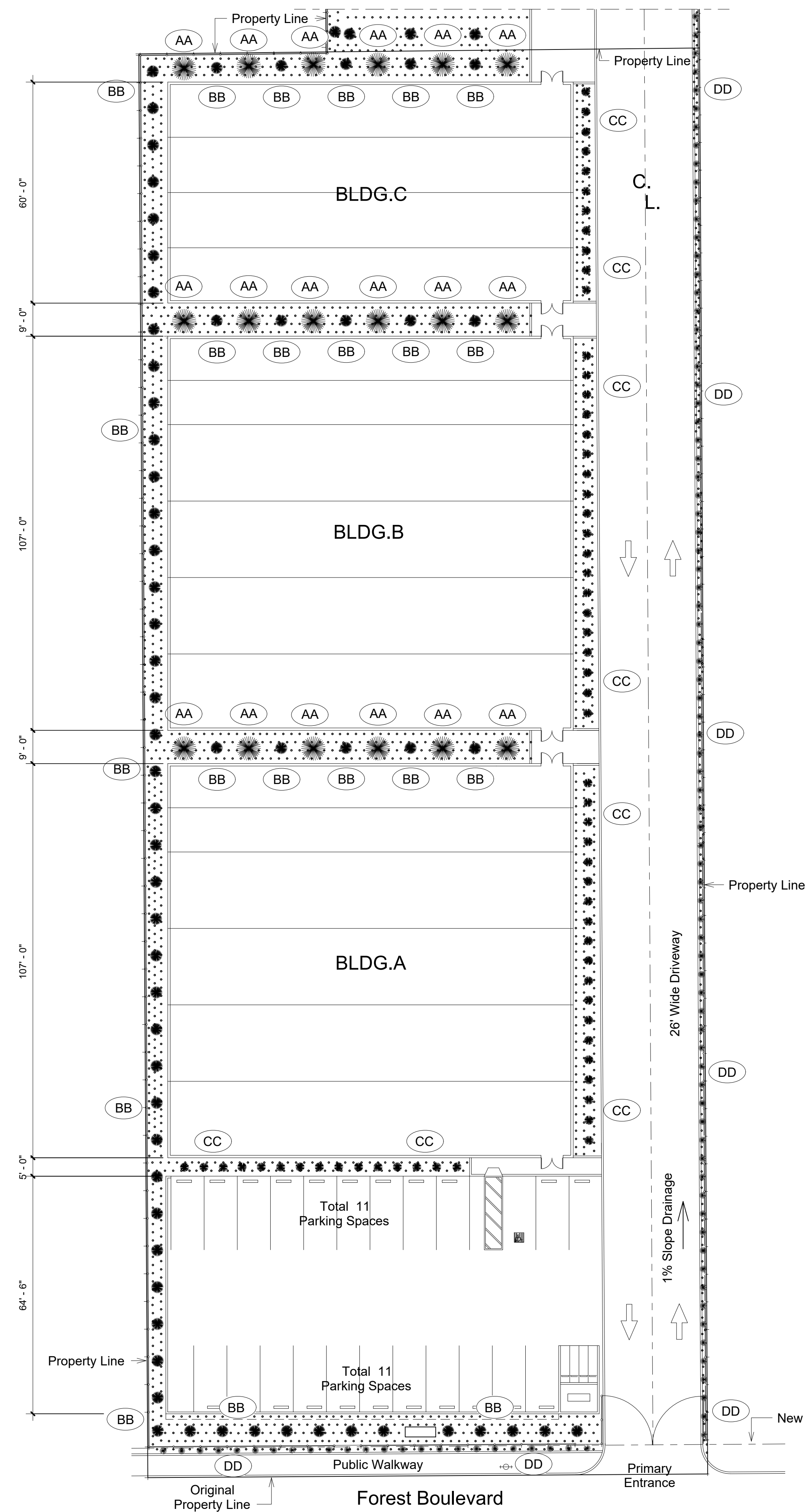
Exterior-Interior Security Lighting Legend					
Symbol	Description	Quantity	Symbol	Description	Quantity
	360 Degree Security Surveillance Equipment	4		Single Security Surveillance Equipment	12
	Exterior Building Dual Lighting	10 x 2 20		Exterior Building Triple Lighting	0
	Exterior Security Strobelight	6		Single Exterior Building Lighting	0
		Total: 16 Video Stations Total: 20 Light Stations Total: 6 Strobe Light Stations			

General Notes:
 1-Every Cannabis Business Shall Secure The Following Areas Using Commercial Grade Non Residential Door Locks, Roof Hatches, And Window Locks In A Manner That Prevents Free And Unauthorized Access, Pursuant To 16 CCR 5042.
 2-An Approved Sign Designating The Maximum Occupant Load Shall Be Posted. Minimum Character Size Shall Be 12" Hgh By 1" Stroke.
 3-Portable Fire Extinguishers Shall Be Provided In Accordance With The Latest California Fire Code And The Fire Code Standard #10-1. Minimum Approved Size For All Portable Fire Extinguishers Shall Be Per City Of Adelanto Requirements. Locations Of Fire Extinguishers Shown On Plans.

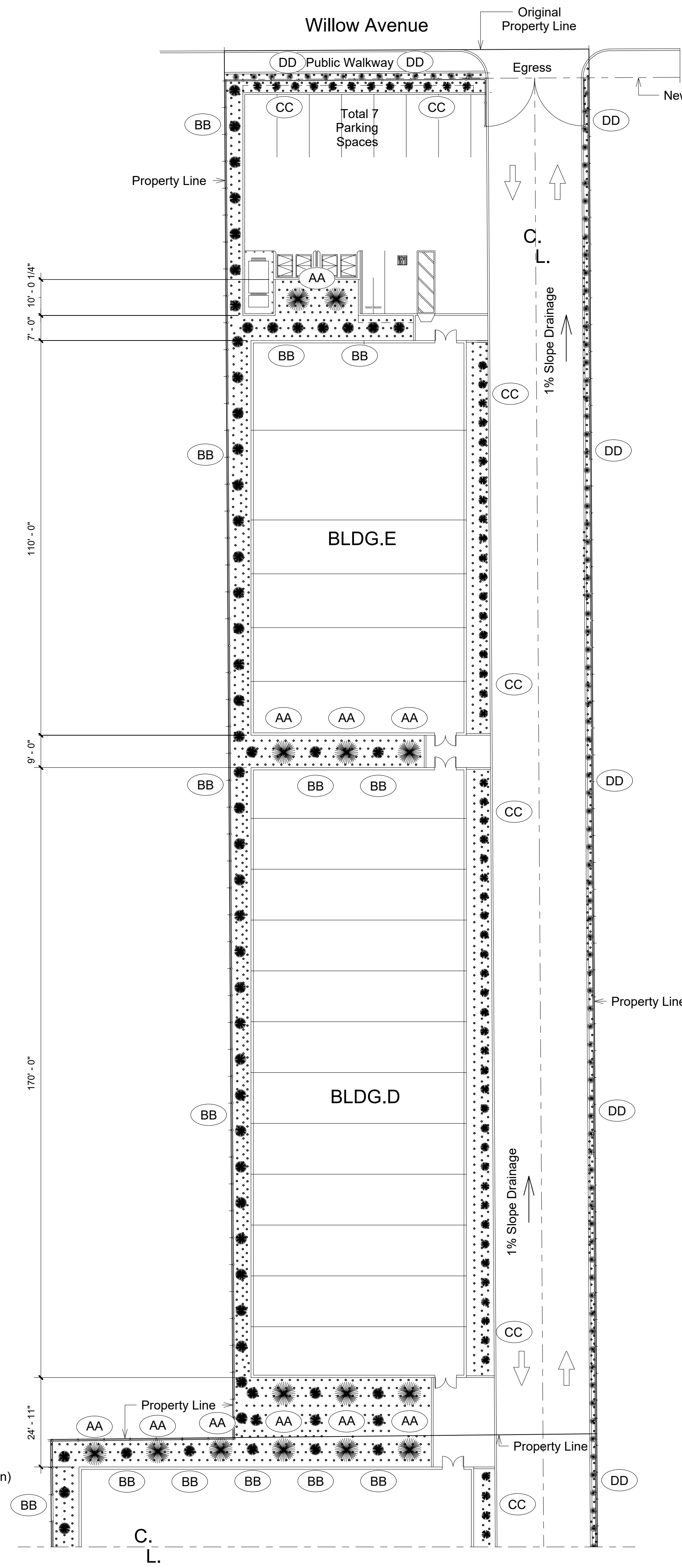
- Legend**
- Exit Route — Tactile Signs To Comply With Section 1117B.5.1
 - Exit — Illuminated Exit Signage
 - (F.E.) — Fire Extinguishers

Note:
 No Hazardous Material Stored In Warehouse

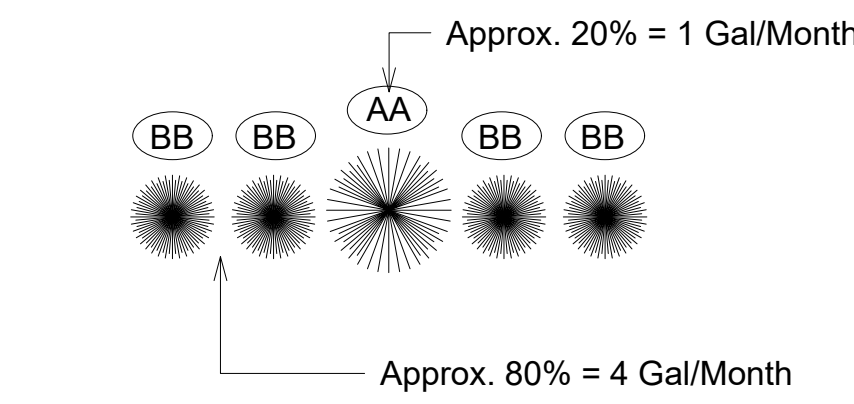
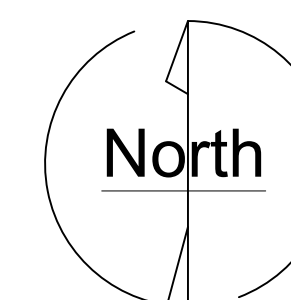
Note:
 Max. Occupancy Per Day Is 6 Persons



Forest Boulevard
Landscape Plan
Parcel 1
Scale: 1"=20'



Willow Avenue
Landscape Plan
Parcel 2
Scale: 1"=20'



Typical Shrub Cluster Layout
Drought Tolerant Planting Legend

Shrubs, Plants, Perennials

Item	Qty.	Common Name	Botanical Name	Size/Spacing	Water Use	Hydro Zone	Remarks
AA	23	Fountain Grass	Pennisetum "Hameln"	2' Tall/3' Spread	5 Gal./Low	5-9	Perennial Grass
BB	112	BlueFescue Blue Whiskers	Festuca Glauca	1.0' Tall/1.5' Spread	5 Gal./Low	4-8	Ornamental Grass
CC	132	Blue Oat Grass	Helictotrichon Sempervirens	2' Tall/3' Spread	5 Gal./Low	3-8	Ornamental Grass
DD	189	Big Lily Turf	Liriope Muscari	18" Tall/18" Spread	5 Gal./Low	5-10	Perennial Grass

Ground Cover

Symbol	Description	Color	Size/Spacing	Hydro Zone
•••••	2" Deep Decorative 3/4" Rock Ground Cover Approx. 12,900 Sq. Ft.	Earth Tone	Provide Approved Weed Barrier	Non Irrigated

Landscape Area Tabulation:

Project Limits: Total (2) Parcels	97,983.0 Sq.Ft. (2.25 Acres)		
Total Landscape Area Parcel 1&2	13,707.0 Sq. Ft.		
Parking-Paving Area:	36,453.0 Sq.Ft.		
Parking Landscape Area		AA	BB
Parcel 1-1,953.0 Sq.Ft.	Parcel 2-1,291.0 Sq. Ft.		
Parking Mature Shade Area	0 Trees- 0 Sq. Ft.		
Tree Canopy Cover Percentage	Sq. Ft.	Percent	
Parking Lot	0	0	
Canopy Cover	0	0	CC DD

Notes:

- All Landscape and Irrigation shall conform to the City of California City Water Conservation Regulations and Land Development Landscape Standards.
- Maintenance: All Required Landscape Areas shall be maintained by owner. The Landscape Areas shall be maintained free of debris and litter and all plant material shall be maintained in a healthy growing condition. Diseased or dead plant material shall be satisfactorily treated or replaced per the conditions of the permit. Owner shall be responsible for maintaining and providing water to the site.
- Mulch: All Required Planting Areas shall be covered with mulch to a minimum depth of 3 inches, excluding slopes requiring revegetation and areas planted with ground cover. All exposed soils areas without vegetation shall also be mulched to this minimum depth.
- Owner is responsible for maintaining the landscape, including the public right of way in a healthy disease free condition.
- All Landscape Areas shall be finish grade to remove rocks and ensure surface drainage away from buildings.
- Irrigation: An efficient, automatic, electrically controlled irrigation system shall be provided as required for proper irrigation, development, and maintenance of the vegetation in a healthy, disease resistant condition. The design of the system shall provide adequate support for the vegetation selected. The proposed irrigation system shall be a combination of pop up spray head and drip line.
- The conditions of the permit, owner shall be responsible for maintaining and providing water to the site.

The Drawings Specifications, Ideas, Designs & Arrangements Represented, Thereby, Are & Shall Remain The Exclusive Property Of ZYNI Engineering Inc. Protected By The Current Architectural Works Copyright Protection Act. And Other Applicable Laws And No Part Thereof Shall Be Copied, Disclosed To Others Or Used In Connection With Any Work Or Project For Which They Have Been Prepared & Developed Without The Written Consent Of ZYNI Engineering Inc. Visual Contact Shall Constitute Conclusive Evidence Of These Restrictions. For City Of California Building And Safety Reviewal Only.

Revision	Date

ZYNI Engineering Inc.
Zhang Yuan Ni P.E.
8232 Garvey Ave. #206
Rosemead California 91770



Landscape Plan Parcel 1 & 2

CANTEBURY CULTIVATION FACILITIES
CALIFORNIA CITY, CALIFORNIA 93505
CANTEBURY MANAGEMENT L.L.C.

Project Number: CCC-01
Date: 7.16.2020
Drawn By: NI
Checked By:
L-1
Scale: As Noted

APPENDIX C

CalEEMOD Modeling Results & Analysis

(Summer, Winter, Annual)

(APN: 206-041-07 & 206-041-44)

April 9, 2021

Arias RV Service Cannabis Cultivation IS/MND - Kern-Mojave Desert County, Winter

Arias RV Service Cannabis Cultivation IS/MND
Kern-Mojave Desert County, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Industrial Park	5.00	1000sqft	0.11	5,000.00	12
Parking Lot	1.94	1000sqft	0.04	1,944.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.7	Precipitation Freq (Days)	32
Climate Zone	7			Operational Year	2023
Utility Company	Southern California Edison				
CO2 Intensity (lb/MW hr)	702.44	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - pd

Construction Phase - PD

Stationary Sources - Emergency Generators and Fire Pumps -

Area Mitigation - PD

Water Mitigation -

Waste Mitigation -

Arias RV Service Cannabis Cultivation IS/MND - Kern-Mojave Desert County, Winter

Table Name	Column Name	Default Value	New Value
tblAreaMitigation	UseLowVOCPaintNonresidentialExteriorValue	250	150
tblAreaMitigation	UseLowVOCPaintNonresidentialInteriorValue	250	150
tblAreaMitigation	UseLowVOCPaintParkingCheck	False	True
tblAreaMitigation	UseLowVOCPaintParkingValue	250	150
tblAreaMitigation	UseLowVOCPaintResidentialExteriorValue	250	150
tblAreaMitigation	UseLowVOCPaintResidentialInteriorValue	250	150
tblConstructionPhase	NumDays	10.00	0.00
tblConstructionPhase	PhaseEndDate	4/22/2021	4/8/2021
tblLandUse	Population	0.00	12.00
tblStationaryGeneratorsPumpsUse	HorsePowerValue	0.00	5.80
tblStationaryGeneratorsPumpsUse	HoursPerDay	0.00	8.00
tblStationaryGeneratorsPumpsUse	HoursPerYear	0.00	1,920.00
tblStationaryGeneratorsPumpsUse	NumberOfEquipment	0.00	2.00

2.0 Emissions Summary

Arias RV Service Cannabis Cultivation IS/MND - Kern-Mojave Desert County, Winter

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	0.1399	1.0000e-005	7.1000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		1.5200e-003	1.5200e-003	0.0000		1.6200e-003
Energy	2.5400e-003	0.0231	0.0194	1.4000e-004		1.7500e-003	1.7500e-003		1.7500e-003	1.7500e-003		27.7035	27.7035	5.3000e-004	5.1000e-004	27.8681
Mobile	0.0529	0.6520	0.5508	3.3400e-003	0.1935	1.8200e-003	0.1953	0.0520	1.7000e-003	0.0537		343.7238	343.7238	0.0209		344.2457
Total	0.1953	0.6751	0.5709	3.4800e-003	0.1935	3.5700e-003	0.1970	0.0520	3.4500e-003	0.0554		371.4287	371.4287	0.0214	5.1000e-004	372.1154

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	0.1270	1.0000e-005	7.1000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		1.5200e-003	1.5200e-003	0.0000		1.6200e-003
Energy	2.5400e-003	0.0231	0.0194	1.4000e-004		1.7500e-003	1.7500e-003		1.7500e-003	1.7500e-003		27.7035	27.7035	5.3000e-004	5.1000e-004	27.8681
Mobile	0.0529	0.6520	0.5508	3.3400e-003	0.1935	1.8200e-003	0.1953	0.0520	1.7000e-003	0.0537		343.7238	343.7238	0.0209		344.2457
Total	0.1825	0.6751	0.5709	3.4800e-003	0.1935	3.5700e-003	0.1970	0.0520	3.4500e-003	0.0554		371.4287	371.4287	0.0214	5.1000e-004	372.1154

Arias RV Service Cannabis Cultivation IS/MND - Kern-Mojave Desert County, Winter

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	6.57	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	4/9/2021	4/8/2021	5	0	
2	Site Preparation	Site Preparation	4/23/2021	4/23/2021	5	1	
3	Grading	Grading	4/24/2021	4/27/2021	5	2	
4	Building Construction	Building Construction	4/28/2021	9/14/2021	5	100	
5	Paving	Paving	9/15/2021	9/21/2021	5	5	
6	Architectural Coating	Architectural Coating	9/22/2021	9/28/2021	5	5	

Acres of Grading (Site Preparation Phase): 0.5

Acres of Grading (Grading Phase): 0

Acres of Paving: 0.04

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 7,500; Non-Residential Outdoor: 2,500; Striped Parking Area: 117 (Architectural Coating – sqft)

OffRoad Equipment

Arias RV Service Cannabis Cultivation IS/MND - Kern-Mojave Desert County, Winter

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Architectural Coating	Air Compressors	1	6.00	78	0.48
Paving	Cement and Mortar Mixers	4	6.00	9	0.56
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Grading	Concrete/Industrial Saws	1	8.00	81	0.73
Building Construction	Cranes	1	4.00	231	0.29
Building Construction	Forklifts	2	6.00	89	0.20
Site Preparation	Graders	1	8.00	187	0.41
Paving	Pavers	1	7.00	130	0.42
Paving	Rollers	1	7.00	80	0.38
Demolition	Rubber Tired Dozers	1	1.00	247	0.40
Grading	Rubber Tired Dozers	1	1.00	247	0.40
Building Construction	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Demolition	Tractors/Loaders/Backhoes	2	6.00	97	0.37
Grading	Tractors/Loaders/Backhoes	2	6.00	97	0.37
Paving	Tractors/Loaders/Backhoes	1	7.00	97	0.37
Site Preparation	Tractors/Loaders/Backhoes	1	8.00	97	0.37

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	4	10.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	2	5.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Grading	4	10.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	5	3.00	1.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving	7	18.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	1.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

Arias RV Service Cannabis Cultivation IS/MND - Kern-Mojave Desert County, Winter

3.2 Demolition - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

3.3 Site Preparation - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.5303	0.0000	0.5303	0.0573	0.0000	0.0573			0.0000			0.0000
Off-Road	0.6403	7.8204	4.0274	9.7300e-003		0.2995	0.2995		0.2755	0.2755		942.5842	942.5842	0.3049		950.2055
Total	0.6403	7.8204	4.0274	9.7300e-003	0.5303	0.2995	0.8297	0.0573	0.2755	0.3328		942.5842	942.5842	0.3049		950.2055

Arias RV Service Cannabis Cultivation IS/MND - Kern-Mojave Desert County, Winter

3.3 Site Preparation - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0189	0.0123	0.1140	3.8000e-004	0.0411	2.8000e-004	0.0414	0.0109	2.5000e-004	0.0112		37.7627	37.7627	9.0000e-004		37.7853
Total	0.0189	0.0123	0.1140	3.8000e-004	0.0411	2.8000e-004	0.0414	0.0109	2.5000e-004	0.0112		37.7627	37.7627	9.0000e-004		37.7853

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.5303	0.0000	0.5303	0.0573	0.0000	0.0573			0.0000			0.0000
Off-Road	0.6403	7.8204	4.0274	9.7300e-003		0.2995	0.2995		0.2755	0.2755	0.0000	942.5842	942.5842	0.3049		950.2055
Total	0.6403	7.8204	4.0274	9.7300e-003	0.5303	0.2995	0.8297	0.0573	0.2755	0.3328	0.0000	942.5842	942.5842	0.3049		950.2055

Arias RV Service Cannabis Cultivation IS/MND - Kern-Mojave Desert County, Winter

3.3 Site Preparation - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0189	0.0123	0.1140	3.8000e-004	0.0411	2.8000e-004	0.0414	0.0109	2.5000e-004	0.0112		37.7627	37.7627	9.0000e-004		37.7853
Total	0.0189	0.0123	0.1140	3.8000e-004	0.0411	2.8000e-004	0.0414	0.0109	2.5000e-004	0.0112		37.7627	37.7627	9.0000e-004		37.7853

3.4 Grading - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.7528	0.0000	0.7528	0.4138	0.0000	0.4138			0.0000			0.0000
Off-Road	0.7965	7.2530	7.5691	0.0120		0.4073	0.4073		0.3886	0.3886		1,147.4338	1,147.4338	0.2138		1,152.7797
Total	0.7965	7.2530	7.5691	0.0120	0.7528	0.4073	1.1601	0.4138	0.3886	0.8024		1,147.4338	1,147.4338	0.2138		1,152.7797

Arias RV Service Cannabis Cultivation IS/MND - Kern-Mojave Desert County, Winter

3.4 Grading - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0378	0.0246	0.2280	7.6000e-004	0.0822	5.5000e-004	0.0827	0.0218	5.1000e-004	0.0223		75.5254	75.5254	1.8100e-003		75.5706
Total	0.0378	0.0246	0.2280	7.6000e-004	0.0822	5.5000e-004	0.0827	0.0218	5.1000e-004	0.0223		75.5254	75.5254	1.8100e-003		75.5706

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.7528	0.0000	0.7528	0.4138	0.0000	0.4138			0.0000			0.0000
Off-Road	0.7965	7.2530	7.5691	0.0120		0.4073	0.4073		0.3886	0.3886	0.0000	1,147.4338	1,147.4338	0.2138		1,152.7797
Total	0.7965	7.2530	7.5691	0.0120	0.7528	0.4073	1.1601	0.4138	0.3886	0.8024	0.0000	1,147.4338	1,147.4338	0.2138		1,152.7797

Arias RV Service Cannabis Cultivation IS/MND - Kern-Mojave Desert County, Winter

3.4 Grading - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0378	0.0246	0.2280	7.6000e-004	0.0822	5.5000e-004	0.0827	0.0218	5.1000e-004	0.0223		75.5254	75.5254	1.8100e-003		75.5706
Total	0.0378	0.0246	0.2280	7.6000e-004	0.0822	5.5000e-004	0.0827	0.0218	5.1000e-004	0.0223		75.5254	75.5254	1.8100e-003		75.5706

3.5 Building Construction - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.7750	7.9850	7.2637	0.0114		0.4475	0.4475		0.4117	0.4117		1,103.2158	1,103.2158	0.3568		1,112.1358
Total	0.7750	7.9850	7.2637	0.0114		0.4475	0.4475		0.4117	0.4117		1,103.2158	1,103.2158	0.3568		1,112.1358

Arias RV Service Cannabis Cultivation IS/MND - Kern-Mojave Desert County, Winter

3.5 Building Construction - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	3.4000e-003	0.1097	0.0228	2.8000e-004	6.7800e-003	3.0000e-004	7.0800e-003	1.9500e-003	2.9000e-004	2.2400e-003		29.4524	29.4524	2.4600e-003		29.5140
Worker	0.0113	7.3900e-003	0.0684	2.3000e-004	0.0246	1.7000e-004	0.0248	6.5400e-003	1.5000e-004	6.6900e-003		22.6576	22.6576	5.4000e-004		22.6712
Total	0.0147	0.1171	0.0912	5.1000e-004	0.0314	4.7000e-004	0.0319	8.4900e-003	4.4000e-004	8.9300e-003		52.1100	52.1100	3.0000e-003		52.1851

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.7750	7.9850	7.2637	0.0114		0.4475	0.4475		0.4117	0.4117	0.0000	1,103.2158	1,103.2158	0.3568		1,112.1358
Total	0.7750	7.9850	7.2637	0.0114		0.4475	0.4475		0.4117	0.4117	0.0000	1,103.2158	1,103.2158	0.3568		1,112.1358

Arias RV Service Cannabis Cultivation IS/MND - Kern-Mojave Desert County, Winter

3.5 Building Construction - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	3.4000e-003	0.1097	0.0228	2.8000e-004	6.7800e-003	3.0000e-004	7.0800e-003	1.9500e-003	2.9000e-004	2.2400e-003		29.4524	29.4524	2.4600e-003		29.5140
Worker	0.0113	7.3900e-003	0.0684	2.3000e-004	0.0246	1.7000e-004	0.0248	6.5400e-003	1.5000e-004	6.6900e-003		22.6576	22.6576	5.4000e-004		22.6712
Total	0.0147	0.1171	0.0912	5.1000e-004	0.0314	4.7000e-004	0.0319	8.4900e-003	4.4000e-004	8.9300e-003		52.1100	52.1100	3.0000e-003		52.1851

3.6 Paving - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.7214	6.7178	7.0899	0.0113		0.3534	0.3534		0.3286	0.3286		1,035.3425	1,035.3425	0.3016		1,042.8818
Paving	0.0210					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.7424	6.7178	7.0899	0.0113		0.3534	0.3534		0.3286	0.3286		1,035.3425	1,035.3425	0.3016		1,042.8818

Arias RV Service Cannabis Cultivation IS/MND - Kern-Mojave Desert County, Winter

3.6 Paving - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0680	0.0444	0.4104	1.3600e-003	0.1479	9.9000e-004	0.1489	0.0392	9.2000e-004	0.0401		135.9457	135.9457	3.2500e-003		136.0270
Total	0.0680	0.0444	0.4104	1.3600e-003	0.1479	9.9000e-004	0.1489	0.0392	9.2000e-004	0.0401		135.9457	135.9457	3.2500e-003		136.0270

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.7214	6.7178	7.0899	0.0113		0.3534	0.3534		0.3286	0.3286	0.0000	1,035.3425	1,035.3425	0.3016		1,042.8818
Paving	0.0210					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.7424	6.7178	7.0899	0.0113		0.3534	0.3534		0.3286	0.3286	0.0000	1,035.3425	1,035.3425	0.3016		1,042.8818

Arias RV Service Cannabis Cultivation IS/MND - Kern-Mojave Desert County, Winter

3.6 Paving - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0680	0.0444	0.4104	1.3600e-003	0.1479	9.9000e-004	0.1489	0.0392	9.2000e-004	0.0401		135.9457	135.9457	3.2500e-003		136.0270
Total	0.0680	0.0444	0.4104	1.3600e-003	0.1479	9.9000e-004	0.1489	0.0392	9.2000e-004	0.0401		135.9457	135.9457	3.2500e-003		136.0270

3.7 Architectural Coating - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	23.4462					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2189	1.5268	1.8176	2.9700e-003		0.0941	0.0941		0.0941	0.0941		281.4481	281.4481	0.0193		281.9309
Total	23.6651	1.5268	1.8176	2.9700e-003		0.0941	0.0941		0.0941	0.0941		281.4481	281.4481	0.0193		281.9309

Arias RV Service Cannabis Cultivation IS/MND - Kern-Mojave Desert County, Winter

3.7 Architectural Coating - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	3.7800e-003	2.4600e-003	0.0228	8.0000e-005	8.2100e-003	6.0000e-005	8.2700e-003	2.1800e-003	5.0000e-005	2.2300e-003		7.5525	7.5525	1.8000e-004		7.5571
Total	3.7800e-003	2.4600e-003	0.0228	8.0000e-005	8.2100e-003	6.0000e-005	8.2700e-003	2.1800e-003	5.0000e-005	2.2300e-003		7.5525	7.5525	1.8000e-004		7.5571

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	23.4462					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2189	1.5268	1.8176	2.9700e-003		0.0941	0.0941		0.0941	0.0941	0.0000	281.4481	281.4481	0.0193		281.9309
Total	23.6651	1.5268	1.8176	2.9700e-003		0.0941	0.0941		0.0941	0.0941	0.0000	281.4481	281.4481	0.0193		281.9309

Arias RV Service Cannabis Cultivation IS/MND - Kern-Mojave Desert County, Winter

3.7 Architectural Coating - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	3.7800e-003	2.4600e-003	0.0228	8.0000e-005	8.2100e-003	6.0000e-005	8.2700e-003	2.1800e-003	5.0000e-005	2.2300e-003		7.5525	7.5525	1.8000e-004		7.5571
Total	3.7800e-003	2.4600e-003	0.0228	8.0000e-005	8.2100e-003	6.0000e-005	8.2700e-003	2.1800e-003	5.0000e-005	2.2300e-003		7.5525	7.5525	1.8000e-004		7.5571

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

Arias RV Service Cannabis Cultivation IS/MND - Kern-Mojave Desert County, Winter

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.0529	0.6520	0.5508	3.3400e-003	0.1935	1.8200e-003	0.1953	0.0520	1.7000e-003	0.0537		343.7238	343.7238	0.0209		344.2457
Unmitigated	0.0529	0.6520	0.5508	3.3400e-003	0.1935	1.8200e-003	0.1953	0.0520	1.7000e-003	0.0537		343.7238	343.7238	0.0209		344.2457

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Industrial Park	34.15	12.45	3.65	69,984	69,984
Parking Lot	0.00	0.00	0.00		
Total	34.15	12.45	3.65	69,984	69,984

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Industrial Park	9.50	7.30	7.30	59.00	28.00	13.00	79	19	2
Parking Lot	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Industrial Park	0.487920	0.030073	0.170877	0.112061	0.016651	0.005572	0.019337	0.146855	0.001612	0.001610	0.005760	0.000912	0.000759
Parking Lot	0.487920	0.030073	0.170877	0.112061	0.016651	0.005572	0.019337	0.146855	0.001612	0.001610	0.005760	0.000912	0.000759

Arias RV Service Cannabis Cultivation IS/MND - Kern-Mojave Desert County, Winter

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	2.5400e-003	0.0231	0.0194	1.4000e-004		1.7500e-003	1.7500e-003		1.7500e-003	1.7500e-003		27.7035	27.7035	5.3000e-004	5.1000e-004	27.8681
NaturalGas Unmitigated	2.5400e-003	0.0231	0.0194	1.4000e-004		1.7500e-003	1.7500e-003		1.7500e-003	1.7500e-003		27.7035	27.7035	5.3000e-004	5.1000e-004	27.8681

Arias RV Service Cannabis Cultivation IS/MND - Kern-Mojave Desert County, Winter

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Industrial Park	235.479	2.5400e-003	0.0231	0.0194	1.4000e-004		1.7500e-003	1.7500e-003		1.7500e-003	1.7500e-003		27.7035	27.7035	5.3000e-004	5.1000e-004	27.8681
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		2.5400e-003	0.0231	0.0194	1.4000e-004		1.7500e-003	1.7500e-003		1.7500e-003	1.7500e-003		27.7035	27.7035	5.3000e-004	5.1000e-004	27.8681

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Industrial Park	0.235479	2.5400e-003	0.0231	0.0194	1.4000e-004		1.7500e-003	1.7500e-003		1.7500e-003	1.7500e-003		27.7035	27.7035	5.3000e-004	5.1000e-004	27.8681
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		2.5400e-003	0.0231	0.0194	1.4000e-004		1.7500e-003	1.7500e-003		1.7500e-003	1.7500e-003		27.7035	27.7035	5.3000e-004	5.1000e-004	27.8681

6.0 Area Detail

6.1 Mitigation Measures Area

Arias RV Service Cannabis Cultivation IS/MND - Kern-Mojave Desert County, Winter

Use Electric Lawnmower

Use Electric Leafblower

Use Electric Chainsaw

Use Low VOC Paint - Residential Interior

Use Low VOC Paint - Residential Exterior

Use Low VOC Paint - Non-Residential Interior

Use Low VOC Paint - Non-Residential Exterior

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.1270	1.0000e-005	7.1000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		1.5200e-003	1.5200e-003	0.0000		1.6200e-003
Unmitigated	0.1399	1.0000e-005	7.1000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		1.5200e-003	1.5200e-003	0.0000		1.6200e-003

Arias RV Service Cannabis Cultivation IS/MND - Kern-Mojave Desert County, Winter

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.0321					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.1077					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	7.0000e-005	1.0000e-005	7.1000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		1.5200e-003	1.5200e-003	0.0000		1.6200e-003
Total	0.1399	1.0000e-005	7.1000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		1.5200e-003	1.5200e-003	0.0000		1.6200e-003

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.0193					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.1077					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	7.0000e-005	1.0000e-005	7.1000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		1.5200e-003	1.5200e-003	0.0000		1.6200e-003
Total	0.1270	1.0000e-005	7.1000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		1.5200e-003	1.5200e-003	0.0000		1.6200e-003

7.0 Water Detail

Arias RV Service Cannabis Cultivation IS/MND - Kern-Mojave Desert County, Winter

7.1 Mitigation Measures Water

- Install Low Flow Bathroom Faucet
- Install Low Flow Kitchen Faucet
- Install Low Flow Toilet
- Install Low Flow Shower
- Turf Reduction
- Use Water Efficient Irrigation System
- Use Water Efficient Landscaping

8.0 Waste Detail

8.1 Mitigation Measures Waste

- Institute Recycling and Composting Services

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
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10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
Emergency Generator	2	8	1920	5.8	0.73	

Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
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User Defined Equipment

Arias RV Service Cannabis Cultivation IS/MND - Kern-Mojave Desert County, Winter

Equipment Type	Number
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11.0 Vegetation

Arias RV Service Cannabis Cultivation IS/MND - Kern-Mojave Desert County, Summer

Arias RV Service Cannabis Cultivation IS/MND
Kern-Mojave Desert County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Industrial Park	5.00	1000sqft	0.11	5,000.00	12
Parking Lot	1.94	1000sqft	0.04	1,944.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.7	Precipitation Freq (Days)	32
Climate Zone	7			Operational Year	2023
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	702.44	CH4 Intensity (lb/MWhr)	0.029	N2O Intensity (lb/MWhr)	0.006

1.3 User Entered Comments & Non-Default Data

- Project Characteristics -
- Land Use - pd
- Construction Phase - PD
- Stationary Sources - Emergency Generators and Fire Pumps -
- Area Mitigation - PD
- Water Mitigation -
- Waste Mitigation -

Arias RV Service Cannabis Cultivation IS/MND - Kern-Mojave Desert County, Summer

Table Name	Column Name	Default Value	New Value
tblAreaMitigation	UseLowVOCPaintNonresidentialExteriorValue	250	150
tblAreaMitigation	UseLowVOCPaintNonresidentialInteriorValue	250	150
tblAreaMitigation	UseLowVOCPaintParkingCheck	False	True
tblAreaMitigation	UseLowVOCPaintParkingValue	250	150
tblAreaMitigation	UseLowVOCPaintResidentialExteriorValue	250	150
tblAreaMitigation	UseLowVOCPaintResidentialInteriorValue	250	150
tblConstructionPhase	NumDays	10.00	0.00
tblConstructionPhase	PhaseEndDate	4/22/2021	4/8/2021
tblLandUse	Population	0.00	12.00
tblStationaryGeneratorsPumpsUse	HorsePowerValue	0.00	5.80
tblStationaryGeneratorsPumpsUse	HoursPerDay	0.00	8.00
tblStationaryGeneratorsPumpsUse	HoursPerYear	0.00	1,920.00
tblStationaryGeneratorsPumpsUse	NumberOfEquipment	0.00	2.00

2.0 Emissions Summary

Arias RV Service Cannabis Cultivation IS/MND - Kern-Mojave Desert County, Summer

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	0.1399	1.0000e-005	7.1000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		1.5200e-003	1.5200e-003	0.0000		1.6200e-003
Energy	2.5400e-003	0.0231	0.0194	1.4000e-004		1.7500e-003	1.7500e-003		1.7500e-003	1.7500e-003		27.7035	27.7035	5.3000e-004	5.1000e-004	27.8681
Mobile	0.0658	0.6492	0.5954	3.6400e-003	0.1935	1.8000e-003	0.1953	0.0520	1.6900e-003	0.0537		373.6842	373.6842	0.0193		374.1675
Total	0.2082	0.6723	0.6155	3.7800e-003	0.1935	3.5500e-003	0.1970	0.0520	3.4400e-003	0.0554		401.3891	401.3891	0.0199	5.1000e-004	402.0372

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	0.1270	1.0000e-005	7.1000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		1.5200e-003	1.5200e-003	0.0000		1.6200e-003
Energy	2.5400e-003	0.0231	0.0194	1.4000e-004		1.7500e-003	1.7500e-003		1.7500e-003	1.7500e-003		27.7035	27.7035	5.3000e-004	5.1000e-004	27.8681
Mobile	0.0658	0.6492	0.5954	3.6400e-003	0.1935	1.8000e-003	0.1953	0.0520	1.6900e-003	0.0537		373.6842	373.6842	0.0193		374.1675
Total	0.1953	0.6723	0.6155	3.7800e-003	0.1935	3.5500e-003	0.1970	0.0520	3.4400e-003	0.0554		401.3891	401.3891	0.0199	5.1000e-004	402.0372

Arias RV Service Cannabis Cultivation IS/MND - Kern-Mojave Desert County, Summer

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	6.17	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	4/9/2021	4/8/2021	5	0	
2	Site Preparation	Site Preparation	4/23/2021	4/23/2021	5	1	
3	Grading	Grading	4/24/2021	4/27/2021	5	2	
4	Building Construction	Building Construction	4/28/2021	9/14/2021	5	100	
5	Paving	Paving	9/15/2021	9/21/2021	5	5	
6	Architectural Coating	Architectural Coating	9/22/2021	9/28/2021	5	5	

Acres of Grading (Site Preparation Phase): 0.5

Acres of Grading (Grading Phase): 0

Acres of Paving: 0.04

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 7,500; Non-Residential Outdoor: 2,500; Striped Parking Area: 117 (Architectural Coating – sqft)

OffRoad Equipment

Arias RV Service Cannabis Cultivation IS/MND - Kern-Mojave Desert County, Summer

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Architectural Coating	Air Compressors	1	6.00	78	0.48
Paving	Cement and Mortar Mixers	4	6.00	9	0.56
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Grading	Concrete/Industrial Saws	1	8.00	81	0.73
Building Construction	Cranes	1	4.00	231	0.29
Building Construction	Forklifts	2	6.00	89	0.20
Site Preparation	Graders	1	8.00	187	0.41
Paving	Pavers	1	7.00	130	0.42
Paving	Rollers	1	7.00	80	0.38
Demolition	Rubber Tired Dozers	1	1.00	247	0.40
Grading	Rubber Tired Dozers	1	1.00	247	0.40
Building Construction	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Demolition	Tractors/Loaders/Backhoes	2	6.00	97	0.37
Grading	Tractors/Loaders/Backhoes	2	6.00	97	0.37
Paving	Tractors/Loaders/Backhoes	1	7.00	97	0.37
Site Preparation	Tractors/Loaders/Backhoes	1	8.00	97	0.37

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	4	10.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	2	5.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Grading	4	10.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	5	3.00	1.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving	7	18.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	1.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

Arias RV Service Cannabis Cultivation IS/MND - Kern-Mojave Desert County, Summer

3.2 Demolition - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

3.3 Site Preparation - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.5303	0.0000	0.5303	0.0573	0.0000	0.0573			0.0000			0.0000
Off-Road	0.6403	7.8204	4.0274	9.7300e-003		0.2995	0.2995		0.2755	0.2755		942.5842	942.5842	0.3049		950.2055
Total	0.6403	7.8204	4.0274	9.7300e-003	0.5303	0.2995	0.8297	0.0573	0.2755	0.3328		942.5842	942.5842	0.3049		950.2055

Arias RV Service Cannabis Cultivation IS/MND - Kern-Mojave Desert County, Summer

3.3 Site Preparation - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0204	0.0108	0.1389	4.4000e-004	0.0411	2.8000e-004	0.0414	0.0109	2.5000e-004	0.0112		43.4156	43.4156	1.0500e-003		43.4418
Total	0.0204	0.0108	0.1389	4.4000e-004	0.0411	2.8000e-004	0.0414	0.0109	2.5000e-004	0.0112		43.4156	43.4156	1.0500e-003		43.4418

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.5303	0.0000	0.5303	0.0573	0.0000	0.0573			0.0000			0.0000
Off-Road	0.6403	7.8204	4.0274	9.7300e-003		0.2995	0.2995		0.2755	0.2755	0.0000	942.5842	942.5842	0.3049		950.2055
Total	0.6403	7.8204	4.0274	9.7300e-003	0.5303	0.2995	0.8297	0.0573	0.2755	0.3328	0.0000	942.5842	942.5842	0.3049		950.2055

Arias RV Service Cannabis Cultivation IS/MND - Kern-Mojave Desert County, Summer

3.3 Site Preparation - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0204	0.0108	0.1389	4.4000e-004	0.0411	2.8000e-004	0.0414	0.0109	2.5000e-004	0.0112		43.4156	43.4156	1.0500e-003		43.4418
Total	0.0204	0.0108	0.1389	4.4000e-004	0.0411	2.8000e-004	0.0414	0.0109	2.5000e-004	0.0112		43.4156	43.4156	1.0500e-003		43.4418

3.4 Grading - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.7528	0.0000	0.7528	0.4138	0.0000	0.4138			0.0000			0.0000
Off-Road	0.7965	7.2530	7.5691	0.0120		0.4073	0.4073		0.3886	0.3886		1,147.4338	1,147.4338	0.2138		1,152.7797
Total	0.7965	7.2530	7.5691	0.0120	0.7528	0.4073	1.1601	0.4138	0.3886	0.8024		1,147.4338	1,147.4338	0.2138		1,152.7797

Arias RV Service Cannabis Cultivation IS/MND - Kern-Mojave Desert County, Summer

3.4 Grading - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0407	0.0215	0.2777	8.7000e-004	0.0822	5.5000e-004	0.0827	0.0218	5.1000e-004	0.0223		86.8311	86.8311	2.1000e-003		86.8837
Total	0.0407	0.0215	0.2777	8.7000e-004	0.0822	5.5000e-004	0.0827	0.0218	5.1000e-004	0.0223		86.8311	86.8311	2.1000e-003		86.8837

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.7528	0.0000	0.7528	0.4138	0.0000	0.4138			0.0000			0.0000
Off-Road	0.7965	7.2530	7.5691	0.0120		0.4073	0.4073		0.3886	0.3886	0.0000	1,147.4338	1,147.4338	0.2138		1,152.7797
Total	0.7965	7.2530	7.5691	0.0120	0.7528	0.4073	1.1601	0.4138	0.3886	0.8024	0.0000	1,147.4338	1,147.4338	0.2138		1,152.7797

Arias RV Service Cannabis Cultivation IS/MND - Kern-Mojave Desert County, Summer

3.4 Grading - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0407	0.0215	0.2777	8.7000e-004	0.0822	5.5000e-004	0.0827	0.0218	5.1000e-004	0.0223		86.8311	86.8311	2.1000e-003		86.8837
Total	0.0407	0.0215	0.2777	8.7000e-004	0.0822	5.5000e-004	0.0827	0.0218	5.1000e-004	0.0223		86.8311	86.8311	2.1000e-003		86.8837

3.5 Building Construction - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.7750	7.9850	7.2637	0.0114		0.4475	0.4475		0.4117	0.4117		1,103.2158	1,103.2158	0.3568		1,112.1358
Total	0.7750	7.9850	7.2637	0.0114		0.4475	0.4475		0.4117	0.4117		1,103.2158	1,103.2158	0.3568		1,112.1358

Arias RV Service Cannabis Cultivation IS/MND - Kern-Mojave Desert County, Summer

3.5 Building Construction - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	3.2300e-003	0.1088	0.0191	2.9000e-004	6.7800e-003	2.9000e-004	7.0700e-003	1.9500e-003	2.8000e-004	2.2300e-003		30.4975	30.4975	2.1800e-003		30.5519
Worker	0.0122	6.4600e-003	0.0833	2.6000e-004	0.0246	1.7000e-004	0.0248	6.5400e-003	1.5000e-004	6.6900e-003		26.0493	26.0493	6.3000e-004		26.0651
Total	0.0154	0.1153	0.1024	5.5000e-004	0.0314	4.6000e-004	0.0319	8.4900e-003	4.3000e-004	8.9200e-003		56.5468	56.5468	2.8100e-003		56.6170

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.7750	7.9850	7.2637	0.0114		0.4475	0.4475		0.4117	0.4117	0.0000	1,103.2158	1,103.2158	0.3568		1,112.1358
Total	0.7750	7.9850	7.2637	0.0114		0.4475	0.4475		0.4117	0.4117	0.0000	1,103.2158	1,103.2158	0.3568		1,112.1358

Arias RV Service Cannabis Cultivation IS/MND - Kern-Mojave Desert County, Summer

3.5 Building Construction - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	3.2300e-003	0.1088	0.0191	2.9000e-004	6.7800e-003	2.9000e-004	7.0700e-003	1.9500e-003	2.8000e-004	2.2300e-003		30.4975	30.4975	2.1800e-003		30.5519
Worker	0.0122	6.4600e-003	0.0833	2.6000e-004	0.0246	1.7000e-004	0.0248	6.5400e-003	1.5000e-004	6.6900e-003		26.0493	26.0493	6.3000e-004		26.0651
Total	0.0154	0.1153	0.1024	5.5000e-004	0.0314	4.6000e-004	0.0319	8.4900e-003	4.3000e-004	8.9200e-003		56.5468	56.5468	2.8100e-003		56.6170

3.6 Paving - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.7214	6.7178	7.0899	0.0113		0.3534	0.3534		0.3286	0.3286		1,035.3425	1,035.3425	0.3016		1,042.8818
Paving	0.0210					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.7424	6.7178	7.0899	0.0113		0.3534	0.3534		0.3286	0.3286		1,035.3425	1,035.3425	0.3016		1,042.8818

Arias RV Service Cannabis Cultivation IS/MND - Kern-Mojave Desert County, Summer

3.6 Paving - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0733	0.0388	0.4999	1.5700e-003	0.1479	9.9000e-004	0.1489	0.0392	9.2000e-004	0.0401		156.2960	156.2960	3.7800e-003		156.3906
Total	0.0733	0.0388	0.4999	1.5700e-003	0.1479	9.9000e-004	0.1489	0.0392	9.2000e-004	0.0401		156.2960	156.2960	3.7800e-003		156.3906

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.7214	6.7178	7.0899	0.0113		0.3534	0.3534		0.3286	0.3286	0.0000	1,035.3425	1,035.3425	0.3016		1,042.8818
Paving	0.0210					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.7424	6.7178	7.0899	0.0113		0.3534	0.3534		0.3286	0.3286	0.0000	1,035.3425	1,035.3425	0.3016		1,042.8818

Arias RV Service Cannabis Cultivation IS/MND - Kern-Mojave Desert County, Summer

3.6 Paving - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0733	0.0388	0.4999	1.5700e-003	0.1479	9.9000e-004	0.1489	0.0392	9.2000e-004	0.0401		156.2960	156.2960	3.7800e-003		156.3906
Total	0.0733	0.0388	0.4999	1.5700e-003	0.1479	9.9000e-004	0.1489	0.0392	9.2000e-004	0.0401		156.2960	156.2960	3.7800e-003		156.3906

3.7 Architectural Coating - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	23.4462					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2189	1.5268	1.8176	2.9700e-003		0.0941	0.0941		0.0941	0.0941		281.4481	281.4481	0.0193		281.9309
Total	23.6651	1.5268	1.8176	2.9700e-003		0.0941	0.0941		0.0941	0.0941		281.4481	281.4481	0.0193		281.9309

Arias RV Service Cannabis Cultivation IS/MND - Kern-Mojave Desert County, Summer

3.7 Architectural Coating - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	4.0700e-003	2.1500e-003	0.0278	9.0000e-005	8.2100e-003	6.0000e-005	8.2700e-003	2.1800e-003	5.0000e-005	2.2300e-003		8.6831	8.6831	2.1000e-004		8.6884
Total	4.0700e-003	2.1500e-003	0.0278	9.0000e-005	8.2100e-003	6.0000e-005	8.2700e-003	2.1800e-003	5.0000e-005	2.2300e-003		8.6831	8.6831	2.1000e-004		8.6884

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	23.4462					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2189	1.5268	1.8176	2.9700e-003		0.0941	0.0941		0.0941	0.0941	0.0000	281.4481	281.4481	0.0193		281.9309
Total	23.6651	1.5268	1.8176	2.9700e-003		0.0941	0.0941		0.0941	0.0941	0.0000	281.4481	281.4481	0.0193		281.9309

Arias RV Service Cannabis Cultivation IS/MND - Kern-Mojave Desert County, Summer

3.7 Architectural Coating - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	4.0700e-003	2.1500e-003	0.0278	9.0000e-005	8.2100e-003	6.0000e-005	8.2700e-003	2.1800e-003	5.0000e-005	2.2300e-003		8.6831	8.6831	2.1000e-004		8.6884
Total	4.0700e-003	2.1500e-003	0.0278	9.0000e-005	8.2100e-003	6.0000e-005	8.2700e-003	2.1800e-003	5.0000e-005	2.2300e-003		8.6831	8.6831	2.1000e-004		8.6884

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

Arias RV Service Cannabis Cultivation IS/MND - Kern-Mojave Desert County, Summer

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.0658	0.6492	0.5954	3.6400e-003	0.1935	1.8000e-003	0.1953	0.0520	1.6900e-003	0.0537		373.6842	373.6842	0.0193		374.1675
Unmitigated	0.0658	0.6492	0.5954	3.6400e-003	0.1935	1.8000e-003	0.1953	0.0520	1.6900e-003	0.0537		373.6842	373.6842	0.0193		374.1675

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Industrial Park	34.15	12.45	3.65	69,984	69,984
Parking Lot	0.00	0.00	0.00		
Total	34.15	12.45	3.65	69,984	69,984

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Industrial Park	9.50	7.30	7.30	59.00	28.00	13.00	79	19	2
Parking Lot	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Industrial Park	0.487920	0.030073	0.170877	0.112061	0.016651	0.005572	0.019337	0.146855	0.001612	0.001610	0.005760	0.000912	0.000759
Parking Lot	0.487920	0.030073	0.170877	0.112061	0.016651	0.005572	0.019337	0.146855	0.001612	0.001610	0.005760	0.000912	0.000759

Arias RV Service Cannabis Cultivation IS/MND - Kern-Mojave Desert County, Summer

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	2.5400e-003	0.0231	0.0194	1.4000e-004		1.7500e-003	1.7500e-003		1.7500e-003	1.7500e-003		27.7035	27.7035	5.3000e-004	5.1000e-004	27.8681
NaturalGas Unmitigated	2.5400e-003	0.0231	0.0194	1.4000e-004		1.7500e-003	1.7500e-003		1.7500e-003	1.7500e-003		27.7035	27.7035	5.3000e-004	5.1000e-004	27.8681

Arias RV Service Cannabis Cultivation IS/MND - Kern-Mojave Desert County, Summer

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Industrial Park	235.479	2.5400e-003	0.0231	0.0194	1.4000e-004		1.7500e-003	1.7500e-003		1.7500e-003	1.7500e-003		27.7035	27.7035	5.3000e-004	5.1000e-004	27.8681
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		2.5400e-003	0.0231	0.0194	1.4000e-004		1.7500e-003	1.7500e-003		1.7500e-003	1.7500e-003		27.7035	27.7035	5.3000e-004	5.1000e-004	27.8681

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Industrial Park	0.235479	2.5400e-003	0.0231	0.0194	1.4000e-004		1.7500e-003	1.7500e-003		1.7500e-003	1.7500e-003		27.7035	27.7035	5.3000e-004	5.1000e-004	27.8681
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		2.5400e-003	0.0231	0.0194	1.4000e-004		1.7500e-003	1.7500e-003		1.7500e-003	1.7500e-003		27.7035	27.7035	5.3000e-004	5.1000e-004	27.8681

6.0 Area Detail

6.1 Mitigation Measures Area

Arias RV Service Cannabis Cultivation IS/MND - Kern-Mojave Desert County, Summer

Use Electric Lawnmower

Use Electric Leafblower

Use Electric Chainsaw

Use Low VOC Paint - Residential Interior

Use Low VOC Paint - Residential Exterior

Use Low VOC Paint - Non-Residential Interior

Use Low VOC Paint - Non-Residential Exterior

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.1270	1.0000e-005	7.1000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		1.5200e-003	1.5200e-003	0.0000		1.6200e-003
Unmitigated	0.1399	1.0000e-005	7.1000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		1.5200e-003	1.5200e-003	0.0000		1.6200e-003

Arias RV Service Cannabis Cultivation IS/MND - Kern-Mojave Desert County, Summer

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.0321					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.1077					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	7.0000e-005	1.0000e-005	7.1000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		1.5200e-003	1.5200e-003	0.0000		1.6200e-003
Total	0.1399	1.0000e-005	7.1000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		1.5200e-003	1.5200e-003	0.0000		1.6200e-003

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.0193					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.1077					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	7.0000e-005	1.0000e-005	7.1000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		1.5200e-003	1.5200e-003	0.0000		1.6200e-003
Total	0.1270	1.0000e-005	7.1000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		1.5200e-003	1.5200e-003	0.0000		1.6200e-003

7.0 Water Detail

Arias RV Service Cannabis Cultivation IS/MND - Kern-Mojave Desert County, Summer

7.1 Mitigation Measures Water

- Install Low Flow Bathroom Faucet
- Install Low Flow Kitchen Faucet
- Install Low Flow Toilet
- Install Low Flow Shower
- Turf Reduction
- Use Water Efficient Irrigation System
- Use Water Efficient Landscaping

8.0 Waste Detail

8.1 Mitigation Measures Waste

- Institute Recycling and Composting Services

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
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10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
Emergency Generator	2	8	1920	5.8	0.73	

Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
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User Defined Equipment

Arias RV Service Cannabis Cultivation IS/MND - Kern-Mojave Desert County, Summer

Equipment Type	Number
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11.0 Vegetation

Arias RV Service Cannabis Cultivation IS/MND - Kern-Mojave Desert County, Annual

**Arias RV Service Cannabis Cultivation IS/MND
Kern-Mojave Desert County, Annual**

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Industrial Park	5.00	1000sqft	0.11	5,000.00	12
Parking Lot	1.94	1000sqft	0.04	1,944.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.7	Precipitation Freq (Days)	32
Climate Zone	7			Operational Year	2023
Utility Company	Southern California Edison				
CO2 Intensity (lb/MW hr)	702.44	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

- Project Characteristics -
- Land Use - pd
- Construction Phase - PD
- Stationary Sources - Emergency Generators and Fire Pumps -
- Area Mitigation - PD
- Water Mitigation -
- Waste Mitigation -

Arias RV Service Cannabis Cultivation IS/MND - Kern-Mojave Desert County, Annual

Table Name	Column Name	Default Value	New Value
tblAreaMitigation	UseLowVOCPaintNonresidentialExteriorValue	250	150
tblAreaMitigation	UseLowVOCPaintNonresidentialInteriorValue	250	150
tblAreaMitigation	UseLowVOCPaintParkingCheck	False	True
tblAreaMitigation	UseLowVOCPaintParkingValue	250	150
tblAreaMitigation	UseLowVOCPaintResidentialExteriorValue	250	150
tblAreaMitigation	UseLowVOCPaintResidentialInteriorValue	250	150
tblConstructionPhase	NumDays	10.00	0.00
tblConstructionPhase	PhaseEndDate	4/22/2021	4/8/2021
tblLandUse	Population	0.00	12.00
tblStationaryGeneratorsPumpsUse	HorsePowerValue	0.00	5.80
tblStationaryGeneratorsPumpsUse	HoursPerDay	0.00	8.00
tblStationaryGeneratorsPumpsUse	HoursPerYear	0.00	1,920.00
tblStationaryGeneratorsPumpsUse	NumberOfEquipment	0.00	2.00

2.0 Emissions Summary

Arias RV Service Cannabis Cultivation IS/MND - Kern-Mojave Desert County, Annual

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	4-9-2021	7-8-2021	0.2432	0.2432
2	7-9-2021	9-30-2021	0.2978	0.2978
		Highest	0.2978	0.2978

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	0.0255	0.0000	6.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.2000e-004	1.2000e-004	0.0000	0.0000	1.3000e-004
Energy	4.6000e-004	4.2100e-003	3.5400e-003	3.0000e-005		3.2000e-004	3.2000e-004		3.2000e-004	3.2000e-004	0.0000	20.6867	20.6867	7.5000e-004	2.2000e-004	20.7715
Mobile	7.8100e-003	0.0931	0.0773	4.9000e-004	0.0270	2.6000e-004	0.0273	7.2700e-003	2.4000e-004	7.5100e-003	0.0000	45.7551	45.7551	2.5600e-003	0.0000	45.8191
Waste						0.0000	0.0000		0.0000	0.0000	1.2585	0.0000	1.2585	0.0744	0.0000	3.1180
Water						0.0000	0.0000		0.0000	0.0000	0.3668	4.7970	5.1638	0.0379	9.3000e-004	6.3880
Total	0.0338	0.0973	0.0809	5.2000e-004	0.0270	5.8000e-004	0.0276	7.2700e-003	5.6000e-004	7.8300e-003	1.6254	71.2389	72.8643	0.1156	1.1500e-003	76.0967

Arias RV Service Cannabis Cultivation IS/MND - Kern-Mojave Desert County, Annual

2.2 Overall Operational

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	0.0232	0.0000	6.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.2000e-004	1.2000e-004	0.0000	0.0000	1.3000e-004
Energy	4.6000e-004	4.2100e-003	3.5400e-003	3.0000e-005		3.2000e-004	3.2000e-004		3.2000e-004	3.2000e-004	0.0000	20.6867	20.6867	7.5000e-004	2.2000e-004	20.7715
Mobile	7.8100e-003	0.0931	0.0773	4.9000e-004	0.0270	2.6000e-004	0.0273	7.2700e-003	2.4000e-004	7.5100e-003	0.0000	45.7551	45.7551	2.5600e-003	0.0000	45.8191
Waste						0.0000	0.0000		0.0000	0.0000	0.8810	0.0000	0.8810	0.0521	0.0000	2.1826
Water						0.0000	0.0000		0.0000	0.0000	0.2935	3.8376	4.1311	0.0303	7.4000e-004	5.1104
Total	0.0315	0.0973	0.0809	5.2000e-004	0.0270	5.8000e-004	0.0276	7.2700e-003	5.6000e-004	7.8300e-003	1.1744	70.2795	71.4539	0.0857	9.6000e-004	73.8837

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	6.93	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	27.74	1.35	1.94	25.87	16.52	2.91

3.0 Construction Detail

Construction Phase

Arias RV Service Cannabis Cultivation IS/MND - Kern-Mojave Desert County, Annual

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	4/9/2021	4/8/2021	5	0	
2	Site Preparation	Site Preparation	4/23/2021	4/23/2021	5	1	
3	Grading	Grading	4/24/2021	4/27/2021	5	2	
4	Building Construction	Building Construction	4/28/2021	9/14/2021	5	100	
5	Paving	Paving	9/15/2021	9/21/2021	5	5	
6	Architectural Coating	Architectural Coating	9/22/2021	9/28/2021	5	5	

Acres of Grading (Site Preparation Phase): 0.5

Acres of Grading (Grading Phase): 0

Acres of Paving: 0.04

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 7,500; Non-Residential Outdoor: 2,500; Striped Parking Area: 117 (Architectural Coating – sqft)

OffRoad Equipment

Arias RV Service Cannabis Cultivation IS/MND - Kern-Mojave Desert County, Annual

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Architectural Coating	Air Compressors	1	6.00	78	0.48
Paving	Cement and Mortar Mixers	4	6.00	9	0.56
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Grading	Concrete/Industrial Saws	1	8.00	81	0.73
Building Construction	Cranes	1	4.00	231	0.29
Building Construction	Forklifts	2	6.00	89	0.20
Site Preparation	Graders	1	8.00	187	0.41
Paving	Pavers	1	7.00	130	0.42
Paving	Rollers	1	7.00	80	0.38
Demolition	Rubber Tired Dozers	1	1.00	247	0.40
Grading	Rubber Tired Dozers	1	1.00	247	0.40
Building Construction	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Demolition	Tractors/Loaders/Backhoes	2	6.00	97	0.37
Grading	Tractors/Loaders/Backhoes	2	6.00	97	0.37
Paving	Tractors/Loaders/Backhoes	1	7.00	97	0.37
Site Preparation	Tractors/Loaders/Backhoes	1	8.00	97	0.37

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	4	10.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	2	5.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Grading	4	10.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	5	3.00	1.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving	7	18.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	1.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

Arias RV Service Cannabis Cultivation IS/MND - Kern-Mojave Desert County, Annual

3.2 Demolition - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

3.3 Site Preparation - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					2.7000e-004	0.0000	2.7000e-004	3.0000e-005	0.0000	3.0000e-005	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	3.2000e-004	3.9100e-003	2.0100e-003	0.0000		1.5000e-004	1.5000e-004		1.4000e-004	1.4000e-004	0.0000	0.4276	0.4276	1.4000e-004	0.0000	0.4310
Total	3.2000e-004	3.9100e-003	2.0100e-003	0.0000	2.7000e-004	1.5000e-004	4.2000e-004	3.0000e-005	1.4000e-004	1.7000e-004	0.0000	0.4276	0.4276	1.4000e-004	0.0000	0.4310

Arias RV Service Cannabis Cultivation IS/MND - Kern-Mojave Desert County, Annual

3.3 Site Preparation - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.0000e-005	1.0000e-005	6.0000e-005	0.0000	2.0000e-005	0.0000	2.0000e-005	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0178	0.0178	0.0000	0.0000	0.0178
Total	1.0000e-005	1.0000e-005	6.0000e-005	0.0000	2.0000e-005	0.0000	2.0000e-005	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0178	0.0178	0.0000	0.0000	0.0178

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					2.7000e-004	0.0000	2.7000e-004	3.0000e-005	0.0000	3.0000e-005	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	3.2000e-004	3.9100e-003	2.0100e-003	0.0000		1.5000e-004	1.5000e-004		1.4000e-004	1.4000e-004	0.0000	0.4276	0.4276	1.4000e-004	0.0000	0.4310
Total	3.2000e-004	3.9100e-003	2.0100e-003	0.0000	2.7000e-004	1.5000e-004	4.2000e-004	3.0000e-005	1.4000e-004	1.7000e-004	0.0000	0.4276	0.4276	1.4000e-004	0.0000	0.4310

Arias RV Service Cannabis Cultivation IS/MND - Kern-Mojave Desert County, Annual

3.3 Site Preparation - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.0000e-005	1.0000e-005	6.0000e-005	0.0000	2.0000e-005	0.0000	2.0000e-005	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0178	0.0178	0.0000	0.0000	0.0178
Total	1.0000e-005	1.0000e-005	6.0000e-005	0.0000	2.0000e-005	0.0000	2.0000e-005	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0178	0.0178	0.0000	0.0000	0.0178

3.4 Grading - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					7.5000e-004	0.0000	7.5000e-004	4.1000e-004	0.0000	4.1000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	8.0000e-004	7.2500e-003	7.5700e-003	1.0000e-005		4.1000e-004	4.1000e-004		3.9000e-004	3.9000e-004	0.0000	1.0409	1.0409	1.9000e-004	0.0000	1.0458
Total	8.0000e-004	7.2500e-003	7.5700e-003	1.0000e-005	7.5000e-004	4.1000e-004	1.1600e-003	4.1000e-004	3.9000e-004	8.0000e-004	0.0000	1.0409	1.0409	1.9000e-004	0.0000	1.0458

Arias RV Service Cannabis Cultivation IS/MND - Kern-Mojave Desert County, Annual

3.4 Grading - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.0000e-005	2.0000e-005	2.4000e-004	0.0000	8.0000e-005	0.0000	8.0000e-005	2.0000e-005	0.0000	2.0000e-005	0.0000	0.0713	0.0713	0.0000	0.0000	0.0714
Total	4.0000e-005	2.0000e-005	2.4000e-004	0.0000	8.0000e-005	0.0000	8.0000e-005	2.0000e-005	0.0000	2.0000e-005	0.0000	0.0713	0.0713	0.0000	0.0000	0.0714

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					7.5000e-004	0.0000	7.5000e-004	4.1000e-004	0.0000	4.1000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	8.0000e-004	7.2500e-003	7.5700e-003	1.0000e-005		4.1000e-004	4.1000e-004		3.9000e-004	3.9000e-004	0.0000	1.0409	1.0409	1.9000e-004	0.0000	1.0458
Total	8.0000e-004	7.2500e-003	7.5700e-003	1.0000e-005	7.5000e-004	4.1000e-004	1.1600e-003	4.1000e-004	3.9000e-004	8.0000e-004	0.0000	1.0409	1.0409	1.9000e-004	0.0000	1.0458

Arias RV Service Cannabis Cultivation IS/MND - Kern-Mojave Desert County, Annual

3.4 Grading - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.0000e-005	2.0000e-005	2.4000e-004	0.0000	8.0000e-005	0.0000	8.0000e-005	2.0000e-005	0.0000	2.0000e-005	0.0000	0.0713	0.0713	0.0000	0.0000	0.0714
Total	4.0000e-005	2.0000e-005	2.4000e-004	0.0000	8.0000e-005	0.0000	8.0000e-005	2.0000e-005	0.0000	2.0000e-005	0.0000	0.0713	0.0713	0.0000	0.0000	0.0714

3.5 Building Construction - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0388	0.3993	0.3632	5.7000e-004		0.0224	0.0224		0.0206	0.0206	0.0000	50.0410	50.0410	0.0162	0.0000	50.4456
Total	0.0388	0.3993	0.3632	5.7000e-004		0.0224	0.0224		0.0206	0.0206	0.0000	50.0410	50.0410	0.0162	0.0000	50.4456

Arias RV Service Cannabis Cultivation IS/MND - Kern-Mojave Desert County, Annual

3.5 Building Construction - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.6000e-004	5.5100e-003	1.0400e-003	1.0000e-005	3.3000e-004	1.0000e-005	3.5000e-004	1.0000e-004	1.0000e-005	1.1000e-004	0.0000	1.3634	1.3634	1.0000e-004	0.0000	1.3660
Worker	5.3000e-004	3.5000e-004	3.5300e-003	1.0000e-005	1.2100e-003	1.0000e-005	1.2200e-003	3.2000e-004	1.0000e-005	3.3000e-004	0.0000	1.0698	1.0698	3.0000e-005	0.0000	1.0704
Total	6.9000e-004	5.8600e-003	4.5700e-003	2.0000e-005	1.5400e-003	2.0000e-005	1.5700e-003	4.2000e-004	2.0000e-005	4.4000e-004	0.0000	2.4332	2.4332	1.3000e-004	0.0000	2.4365

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0388	0.3993	0.3632	5.7000e-004		0.0224	0.0224		0.0206	0.0206	0.0000	50.0410	50.0410	0.0162	0.0000	50.4456
Total	0.0388	0.3993	0.3632	5.7000e-004		0.0224	0.0224		0.0206	0.0206	0.0000	50.0410	50.0410	0.0162	0.0000	50.4456

Arias RV Service Cannabis Cultivation IS/MND - Kern-Mojave Desert County, Annual

3.5 Building Construction - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.6000e-004	5.5100e-003	1.0400e-003	1.0000e-005	3.3000e-004	1.0000e-005	3.5000e-004	1.0000e-004	1.0000e-005	1.1000e-004	0.0000	1.3634	1.3634	1.0000e-004	0.0000	1.3660
Worker	5.3000e-004	3.5000e-004	3.5300e-003	1.0000e-005	1.2100e-003	1.0000e-005	1.2200e-003	3.2000e-004	1.0000e-005	3.3000e-004	0.0000	1.0698	1.0698	3.0000e-005	0.0000	1.0704
Total	6.9000e-004	5.8600e-003	4.5700e-003	2.0000e-005	1.5400e-003	2.0000e-005	1.5700e-003	4.2000e-004	2.0000e-005	4.4000e-004	0.0000	2.4332	2.4332	1.3000e-004	0.0000	2.4365

3.6 Paving - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	1.8000e-003	0.0168	0.0177	3.0000e-005		8.8000e-004	8.8000e-004		8.2000e-004	8.2000e-004	0.0000	2.3481	2.3481	6.8000e-004	0.0000	2.3652
Paving	5.0000e-005					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	1.8500e-003	0.0168	0.0177	3.0000e-005		8.8000e-004	8.8000e-004		8.2000e-004	8.2000e-004	0.0000	2.3481	2.3481	6.8000e-004	0.0000	2.3652

Arias RV Service Cannabis Cultivation IS/MND - Kern-Mojave Desert County, Annual

3.6 Paving - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.6000e-004	1.0000e-004	1.0600e-003	0.0000	3.6000e-004	0.0000	3.7000e-004	1.0000e-004	0.0000	1.0000e-004	0.0000	0.3209	0.3209	1.0000e-005	0.0000	0.3211
Total	1.6000e-004	1.0000e-004	1.0600e-003	0.0000	3.6000e-004	0.0000	3.7000e-004	1.0000e-004	0.0000	1.0000e-004	0.0000	0.3209	0.3209	1.0000e-005	0.0000	0.3211

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	1.8000e-003	0.0168	0.0177	3.0000e-005		8.8000e-004	8.8000e-004		8.2000e-004	8.2000e-004	0.0000	2.3481	2.3481	6.8000e-004	0.0000	2.3652
Paving	5.0000e-005					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	1.8500e-003	0.0168	0.0177	3.0000e-005		8.8000e-004	8.8000e-004		8.2000e-004	8.2000e-004	0.0000	2.3481	2.3481	6.8000e-004	0.0000	2.3652

Arias RV Service Cannabis Cultivation IS/MND - Kern-Mojave Desert County, Annual

3.6 Paving - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.6000e-004	1.0000e-004	1.0600e-003	0.0000	3.6000e-004	0.0000	3.7000e-004	1.0000e-004	0.0000	1.0000e-004	0.0000	0.3209	0.3209	1.0000e-005	0.0000	0.3211
Total	1.6000e-004	1.0000e-004	1.0600e-003	0.0000	3.6000e-004	0.0000	3.7000e-004	1.0000e-004	0.0000	1.0000e-004	0.0000	0.3209	0.3209	1.0000e-005	0.0000	0.3211

3.7 Architectural Coating - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.0586					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	5.5000e-004	3.8200e-003	4.5400e-003	1.0000e-005		2.4000e-004	2.4000e-004		2.4000e-004	2.4000e-004	0.0000	0.6383	0.6383	4.0000e-005	0.0000	0.6394
Total	0.0592	3.8200e-003	4.5400e-003	1.0000e-005		2.4000e-004	2.4000e-004		2.4000e-004	2.4000e-004	0.0000	0.6383	0.6383	4.0000e-005	0.0000	0.6394

Arias RV Service Cannabis Cultivation IS/MND - Kern-Mojave Desert County, Annual

3.7 Architectural Coating - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.0000e-005	1.0000e-005	6.0000e-005	0.0000	2.0000e-005	0.0000	2.0000e-005	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0178	0.0178	0.0000	0.0000	0.0178
Total	1.0000e-005	1.0000e-005	6.0000e-005	0.0000	2.0000e-005	0.0000	2.0000e-005	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0178	0.0178	0.0000	0.0000	0.0178

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.0586					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	5.5000e-004	3.8200e-003	4.5400e-003	1.0000e-005		2.4000e-004	2.4000e-004		2.4000e-004	2.4000e-004	0.0000	0.6383	0.6383	4.0000e-005	0.0000	0.6394
Total	0.0592	3.8200e-003	4.5400e-003	1.0000e-005		2.4000e-004	2.4000e-004		2.4000e-004	2.4000e-004	0.0000	0.6383	0.6383	4.0000e-005	0.0000	0.6394

Arias RV Service Cannabis Cultivation IS/MND - Kern-Mojave Desert County, Annual

3.7 Architectural Coating - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.0000e-005	1.0000e-005	6.0000e-005	0.0000	2.0000e-005	0.0000	2.0000e-005	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0178	0.0178	0.0000	0.0000	0.0178
Total	1.0000e-005	1.0000e-005	6.0000e-005	0.0000	2.0000e-005	0.0000	2.0000e-005	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0178	0.0178	0.0000	0.0000	0.0178

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

Arias RV Service Cannabis Cultivation IS/MND - Kern-Mojave Desert County, Annual

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	7.8100e-003	0.0931	0.0773	4.9000e-004	0.0270	2.6000e-004	0.0273	7.2700e-003	2.4000e-004	7.5100e-003	0.0000	45.7551	45.7551	2.5600e-003	0.0000	45.8191
Unmitigated	7.8100e-003	0.0931	0.0773	4.9000e-004	0.0270	2.6000e-004	0.0273	7.2700e-003	2.4000e-004	7.5100e-003	0.0000	45.7551	45.7551	2.5600e-003	0.0000	45.8191

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Industrial Park	34.15	12.45	3.65	69,984	69,984
Parking Lot	0.00	0.00	0.00		
Total	34.15	12.45	3.65	69,984	69,984

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Industrial Park	9.50	7.30	7.30	59.00	28.00	13.00	79	19	2
Parking Lot	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Industrial Park	0.487920	0.030073	0.170877	0.112061	0.016651	0.005572	0.019337	0.146855	0.001612	0.001610	0.005760	0.000912	0.000759
Parking Lot	0.487920	0.030073	0.170877	0.112061	0.016651	0.005572	0.019337	0.146855	0.001612	0.001610	0.005760	0.000912	0.000759

Arias RV Service Cannabis Cultivation IS/MND - Kern-Mojave Desert County, Annual

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	16.1001	16.1001	6.6000e-004	1.4000e-004	16.1577
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	16.1001	16.1001	6.6000e-004	1.4000e-004	16.1577
NaturalGas Mitigated	4.6000e-004	4.2100e-003	3.5400e-003	3.0000e-005		3.2000e-004	3.2000e-004		3.2000e-004	3.2000e-004	0.0000	4.5866	4.5866	9.0000e-005	8.0000e-005	4.6139
NaturalGas Unmitigated	4.6000e-004	4.2100e-003	3.5400e-003	3.0000e-005		3.2000e-004	3.2000e-004		3.2000e-004	3.2000e-004	0.0000	4.5866	4.5866	9.0000e-005	8.0000e-005	4.6139

Arias RV Service Cannabis Cultivation IS/MND - Kern-Mojave Desert County, Annual

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Industrial Park	85950	4.6000e-004	4.2100e-003	3.5400e-003	3.0000e-005		3.2000e-004	3.2000e-004		3.2000e-004	3.2000e-004	0.0000	4.5866	4.5866	9.0000e-005	8.0000e-005	4.6139
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total		4.6000e-004	4.2100e-003	3.5400e-003	3.0000e-005		3.2000e-004	3.2000e-004		3.2000e-004	3.2000e-004	0.0000	4.5866	4.5866	9.0000e-005	8.0000e-005	4.6139

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Industrial Park	85950	4.6000e-004	4.2100e-003	3.5400e-003	3.0000e-005		3.2000e-004	3.2000e-004		3.2000e-004	3.2000e-004	0.0000	4.5866	4.5866	9.0000e-005	8.0000e-005	4.6139
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total		4.6000e-004	4.2100e-003	3.5400e-003	3.0000e-005		3.2000e-004	3.2000e-004		3.2000e-004	3.2000e-004	0.0000	4.5866	4.5866	9.0000e-005	8.0000e-005	4.6139

Arias RV Service Cannabis Cultivation IS/MND - Kern-Mojave Desert County, Annual

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Industrial Park	49850	15.8833	6.6000e-004	1.4000e-004	15.9401
Parking Lot	680.4	0.2168	1.0000e-005	0.0000	0.2176
Total		16.1001	6.7000e-004	1.4000e-004	16.1577

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Industrial Park	49850	15.8833	6.6000e-004	1.4000e-004	15.9401
Parking Lot	680.4	0.2168	1.0000e-005	0.0000	0.2176
Total		16.1001	6.7000e-004	1.4000e-004	16.1577

6.0 Area Detail

6.1 Mitigation Measures Area

Arias RV Service Cannabis Cultivation IS/MND - Kern-Mojave Desert County, Annual

Use Electric Lawnmower

Use Electric Leafblower

Use Electric Chainsaw

Use Low VOC Paint - Residential Interior

Use Low VOC Paint - Residential Exterior

Use Low VOC Paint - Non-Residential Interior

Use Low VOC Paint - Non-Residential Exterior

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.0232	0.0000	6.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.2000e-004	1.2000e-004	0.0000	0.0000	1.3000e-004
Unmitigated	0.0255	0.0000	6.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.2000e-004	1.2000e-004	0.0000	0.0000	1.3000e-004

Arias RV Service Cannabis Cultivation IS/MND - Kern-Mojave Desert County, Annual

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	5.8600e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.0197					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	1.0000e-005	0.0000	6.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.2000e-004	1.2000e-004	0.0000	0.0000	1.3000e-004
Total	0.0255	0.0000	6.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.2000e-004	1.2000e-004	0.0000	0.0000	1.3000e-004

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	3.5200e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.0197					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	1.0000e-005	0.0000	6.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.2000e-004	1.2000e-004	0.0000	0.0000	1.3000e-004
Total	0.0232	0.0000	6.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.2000e-004	1.2000e-004	0.0000	0.0000	1.3000e-004

7.0 Water Detail

Arias RV Service Cannabis Cultivation IS/MND - Kern-Mojave Desert County, Annual

7.1 Mitigation Measures Water

Install Low Flow Bathroom Faucet

Install Low Flow Kitchen Faucet

Install Low Flow Toilet

Install Low Flow Shower

Turf Reduction

Use Water Efficient Irrigation System

Use Water Efficient Landscaping

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	4.1311	0.0303	7.4000e-004	5.1104
Unmitigated	5.1638	0.0379	9.3000e-004	6.3880

Arias RV Service Cannabis Cultivation IS/MND - Kern-Mojave Desert County, Annual

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Industrial Park	1.15625 / 0	5.1638	0.0379	9.3000e-004	6.3880
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		5.1638	0.0379	9.3000e-004	6.3880

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Industrial Park	0.925 / 0	4.1311	0.0303	7.4000e-004	5.1104
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		4.1311	0.0303	7.4000e-004	5.1104

8.0 Waste Detail

8.1 Mitigation Measures Waste

Arias RV Service Cannabis Cultivation IS/MND - Kern-Mojave Desert County, Annual

Institute Recycling and Composting Services

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	0.8810	0.0521	0.0000	2.1826
Unmitigated	1.2585	0.0744	0.0000	3.1180

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Industrial Park	6.2	1.2585	0.0744	0.0000	3.1180
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Total		1.2585	0.0744	0.0000	3.1180

Arias RV Service Cannabis Cultivation IS/MND - Kern-Mojave Desert County, Annual

8.2 Waste by Land Use

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Industrial Park	4.34	0.8810	0.0521	0.0000	2.1826
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Total		0.8810	0.0521	0.0000	2.1826

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
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10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
Emergency Generator	2	8	1920	5.8	0.73	

Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
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User Defined Equipment

Equipment Type	Number
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Arias RV Service Cannabis Cultivation IS/MND - Kern-Mojave Desert County, Annual

11.0 Vegetation
