

August 30, 2023

City of Placentia Attn: Andrew Gonzales 401 E. Chapman Ave Placentia, CA 92870

Subject: Development Plan Review for 777 W. Orangethorpe Ave, F23-048

As requested, a review of the subject property was completed. The following fire conditions shall apply:

- 1. The project shall comply with all requirements set forth by the California Code of Regulations Title 24 Parts 1-12 respectively.
- 2. The adopted edition of the California Code of Regulations, Title 24, Parts 1 through 12, and the Placentia Municipal Code shall apply at the time the architectural plans are submitted for construction permits.
- 3. Prior to the to the issuance of a grading permits, evidence of sufficient fire flow hours shall be provided to the City of Placentia Fire Prevention. The City of Placentia Fire Prevention Water Available/Fire Flow Form shall be utilized.
- 4. A fire department access road complying with the CFC, Chapter 5 and the approved fire department access plans shall be installed prior to building construction.
- 5. The fire department access road shall be inspected by Placentia Fire Prevention Bureau prior to building construction.
- 6. The fire department access road shall remain unobstructed at all times.
- 7. A fire department connection (FDC) shall be provided and located within 100 feet of a public fire hydrant. The use of a private hydrant may be used with the use of an aboveground check valve to prevent the flow from the FDC back to the fire hydrant, and with the approval of Placentia Fire Prevention Fire Prevention Bureau. The fire hydrant that supports the FDC shall be on the same side of the street. A vehicle access roadway/approach shall not be placed between the FDC and fire hydrant.
- 8. All required fire hydrants shall be installed and operational prior to building construction. All fire hydrants shall remain operational during construction.

- 9. All required fire hydrants shall be readily visible and immediately accessible. A clear space of not less than 3-feet shall be maintained at all times.
- 10. Prior to construction a temporary address sign shall be posted and clearly visible from the street.
- 11. The permanent building address shall be provided and either internally or externally lighted during hours of darkness. The address shall be clearly visible from the street fronting the property and comply with California Fire Code Section 505.1 for size and color.
- 12. Placentia Fire Prevention Bureau approval shall be obtained prior to the storage and/or use of hazardous materials as defined by the California Fire Code.
- 13. The building shall be provided with an automatic fire sprinkler system in accordance with NFPA 13. Construction plans shall be submitted for review and approval to the City of Placentia Fire Prevention prior to installation.
- 14. Prior to building final, the building shall be provided with a Knox Lock key box located no more than seven-feet above the finished surfaced and near the main entrance door.
- 15. Prior to the issuance of a Certificate of Occupancy the building shall be provided with an emergency radio communication enhancement system. The emergency radio communication enhancement system shall meet the requirements of CFC § 510 and all applicable subsection. The system shall be installed and inspected by the City of Placentia Fire Prevention Bureau prior to the Certificate of Occupancy being issued.
- 16. A copy of all approved alternate means and methods shall be placed on the architectural plans prior to submitting them for review and approval by the city.

Respectfully,

Dennis J. Grubb, CFPE

Building Use		de de constante de		Allowable Ht / Stories	_		Allowable	Max Bldg	Avg. Bldg		
	Occup. Group	Const. Type	Sprinklers (903.3.1.1)			Tab. 506.2	Nonsprinklered (Sec. 506.2.3)	Frontage Increase (Sec. 506.3)	Sec 506.2.3	Area per Bldg Section	Area per Story (5-St)
Parking Structure	S-2	II-A	NFPA 13	UL	8 Tiers	117,000		_	_	117,000	-
Leasing Office	В	III-A	NFPA 13	85' / 6 St.	1 St.	85,500		-	-	_	_
Recreation/Fitness	A-3	III-A	NFPA 13	85' / 4 St.	1 St.	14,000		-	_	14,000	_
Residential Dwelling Units	R-2	III-A	NFPA 13	85' / 5 St.	60' / 5 St.	[24,000	+ (24,000	x 0)]x	2	48,000	9,600
Residential Dwelling Units	R-2	III-A	NFPA 13	85' / 5 St.	60' / 5 St.	[24,000	+ (24,000	x 0.25)]x	2	60,000	12,000
Residential Dwelling Units	R-2	III-A	NFPA 13	85' / 5 St.	60' / 5 St.	[24,000	+ (24,000	x 0.50)]x	2	72,000	14,400

NOTES:

- Approved sprinklers (NFPA 13) used for Height and Story increase, NOT area increase
- Frontage Increase If=[F/P-0.25]W/30; (0-1 side = 0 st increase; 2 sides = 6,000 st increase; 3 sides = 12,000 sf increase)
- 2019 CBC Section 510.2 & 510.4 allows multiple stories below a horizontal assembly (podium)
- Highest occupiable floor level is less than 75' above lowest level of fire department access and therefore building is not considered a High-rise per Section 202
- Building corridors shall comply with the requirements of CBC Section 1020
- Building Exit Passageways shall comply with the requirements of CBC Section 1024
- Where an exit enclosure is extended to an exit discharge or a public way by an exit passageway, the exit enclosure shall be separated from the exit passageway by a fire barrier constructed in accordance with CBC Section 707 or a horizontal assembly constructed in accordance with Section 711, or both.
- 50' max. dead-end corridor where the building is equipped with an approved automatic tire sprinkler system (NFPA 13) per CBC Section 1020.4

BUILDING PROJECT DESCRIPTION

A 248 UNIT DEVELOPMENT CONSISTING OF A
5-STORY TYPE III-A RESIDENTIAL BUILDING
SURROUNDING 6.9 LEVELS OF TYPE II-A PARKING STRUCTURE

GROSS LAND AREA

RESIDENTIAL GROSS AREA:
PARKING STRUCTURE GROSS AREA
TOTAL UNITS:

118,541 SQ .FT. **2.72 ACRES** 250,681 SQ. FT. 151,900 SQ. FT. **248 UNITS**

R2-RESIDENTIAL

TYPE III-A

5-STORY

SPRINKLERED/

NFPA-13

Orangethorpe Mixed-Use

NUMBER AND DISTRIBUTION OF FIRE HYDRANTS									
FIRE-FLOW REQUIREMENT (gpm)	MINIMUM NUMBER OF HYDRANTS	AVERAGE SPACING BETWEEN HYDRANTS ^{A, D, C} (feet)	MAXIMUM DISTANCE FROM ANY POINT ON STREET OR ROAD FRONTAGE TO A HYDRANT [®]						
1,750 or less	1	500	250						
2,000-2,250	2	450	225						
2,500	3	450	225						
3,000	3	400	225						
3,500-4,000	4	350	210						
4,500-5,000	5	300	180						
5,500	6	300	180						
6,000	6	250	150						
6,500-7,000	7	250	150						
7,500 or more	8 or more ^e	200	120						

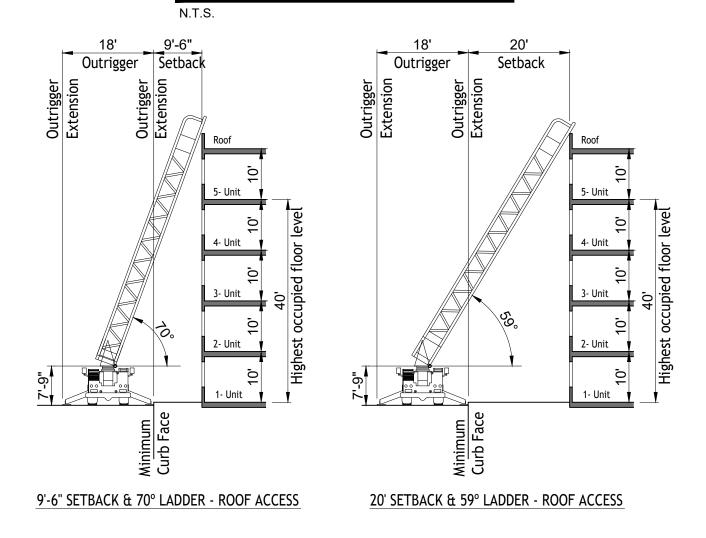
For SI: 1 foot = 304.8 mm, 1 gallon per minute = 3.785 L/m.
a. Reduce by 100 feet for dead-end streets or roads.

- b. Where streets are provided with median dividers which cannot be crossed by fire fighters pulling hose lines, or where arterial streets are provided with four or more traffic lanes and have a traffic count of more than 30,000 vehicles per day, hydrant spacing shall average 500 feet on each side of the street and be appropriate to a fire flow sequine part of 7,000 cellors are minute and 400 feet for higher fire flow continuous.
- arranged on an alternating basis up to a fire-flow requirement of 7,000 gallons per minute and 400 feet for higher fire-flow requirements.

 c. Where new water mains are extended along streets where hydrants are not needed for protection of structures or similar fire problems, fire hydrants shall be provided at spacing not to exceed 1,000 feet to provide for transportation hazards.
- d. Reduce by 50 feet for dead-end streets or roads.
 e. One hydrant for each 1,000 gallons per minute or fraction thereof.

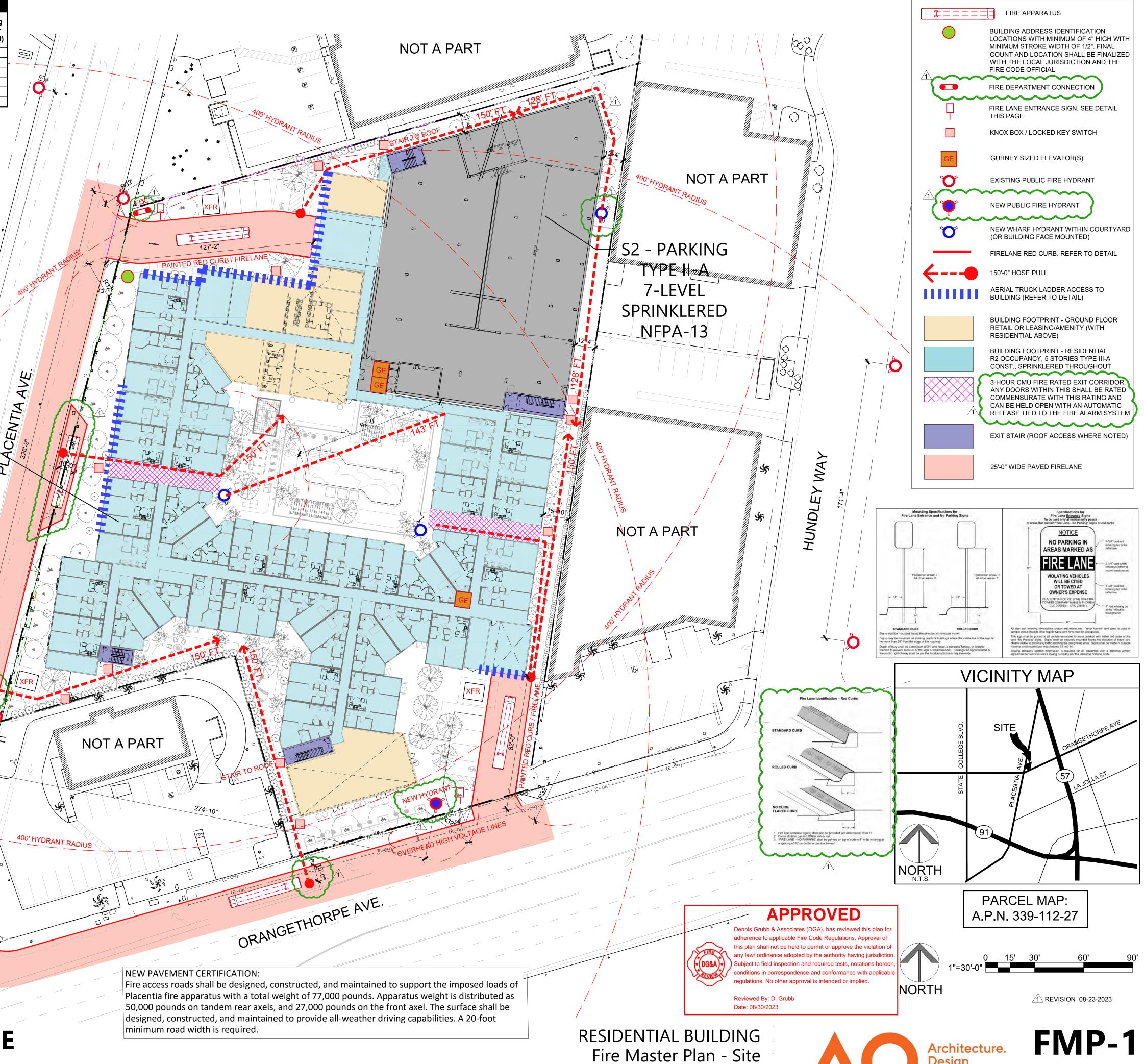
SITE PROVISION: 3 HYDRANTS ON SAME SIDE OF STREET @ 426' AVG. SPACING; 6 TOTAL HYDRANTS (INCLUDING 2 ACROSS STREET) @ 345' AVG. SPACING

AERIAL LADDERING



ORANGETHORPE AVE MIXED USE

777 ORANGETHORPE AVENUE - PLACENTIA, CA ORANGETHORPE INVESTMENT PARTNERS LLC

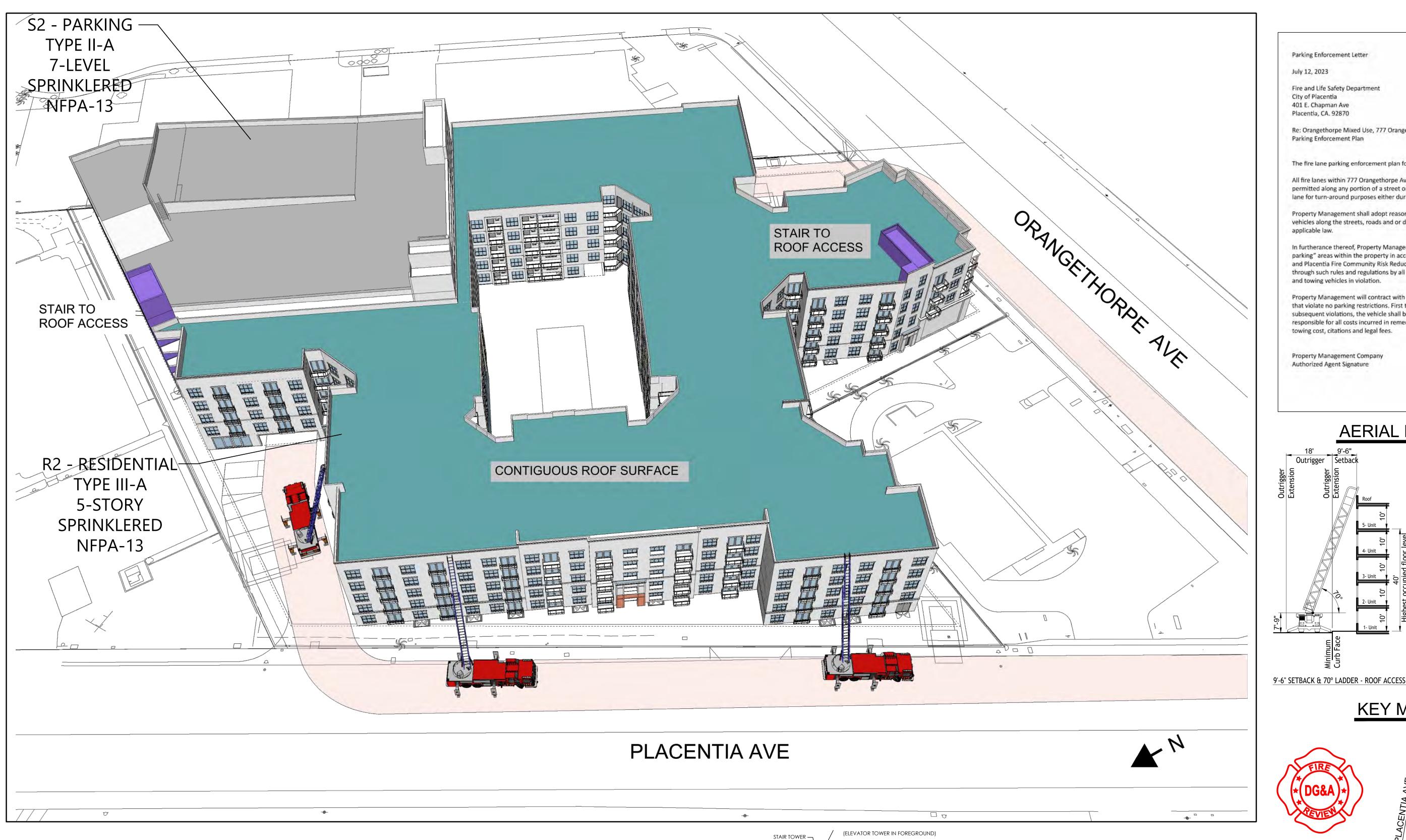


LEGEND

2021-204

08-29-2023

Date



Building Use				Allowable Ht / Stories	_	Allowable Building Area					Max Bldg	Avg. Bldg	
	Occup. Group	Const. Type	Sprinklers (903.3.1.1)			Tab. 506.2		nsprinklered ec. 506.2.3)		ntage Increase (Sec. 506.3)	Sec 506.2.3	Area per Bldg Section	Area per Story (5-St)
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- Highest occupiable tloor level is less than 75' above lowest level of tire department access and therefore building is not considered a High-rise per Section 202 - Building corridors shall comply with the requirements of CBC Section 1020

- 50' max. dead-end corridor where the building is equipped with an approved automatic tire sprinkler system (NFPA 13) per CBC Section 1020.4

- Building Exit Passageways shall comply with the requirements of CBC Section 1024

- Where an exit enclosure is extended to an exit discharge or a public way by an exit passageway, the exit enclosure shall be separated from the exit passageway by a fire barrier constructed in accordance with CBC Section 707 or a horizontal assembly constructed in accordance with Section 711, or both.

COURTYARD (UNITS BEYOND)

BUILDING SECTION A-A

ORANGETHORPE AVE MIXED USE

777 ORANGETHORPE AVENUE - PLACENTIA, CA ORANGETHORPE INVESTMENT PARTNERS LLC

RESIDENTIAL BUILDING Fire Master Plan - 3D Model & Sections



Parking Enforcement Letter

Fire and Life Safety Department

Re: Orangethorpe Mixed Use, 777 Orangethorpe Avenue

The fire lane parking enforcement plan for the above referenced project is stated as follows:

Property Management shall adopt reasonable rules and regulations regarding the parking of vehicles along the streets, roads and or drives within the project that are not in conflict with

lane for turn-around purposes either during construction or after occupancy.

All fire lanes within 777 Orangethorpe Avenue shall be maintained and in no event shall parking be permitted along any portion of a street or drive that required fire lanes or any area designated as a fire

In furtherance thereof, Property Management, through its agents, will establish the "parking" and "no parking" areas within the property in accordance with Section 22658.2 of the California Vehicle Code and Placentia Fire Community Risk Reduction Access & Water Guideline. The law shall be enforced through such rules and regulations by all lawful means, including, written warnings, citing, levying fines

Property Management will contract with a certified patrol and towing company to remove vehicles that violate no parking restrictions. First time violators will receive a written warning and with

subsequent violations, the vehicle shall be subject to towing. The vehicle owner shall be

responsible for all costs incurred in remedying such violation, including without limitation

AERIAL LADDERING

KEY MAP

July 12, 2023

City of Placentia

401 E. Chapman Ave Placentia, CA. 92870

Parking Enforcement Plan

and towing vehicles in violation.

towing cost, citations and legal fees.

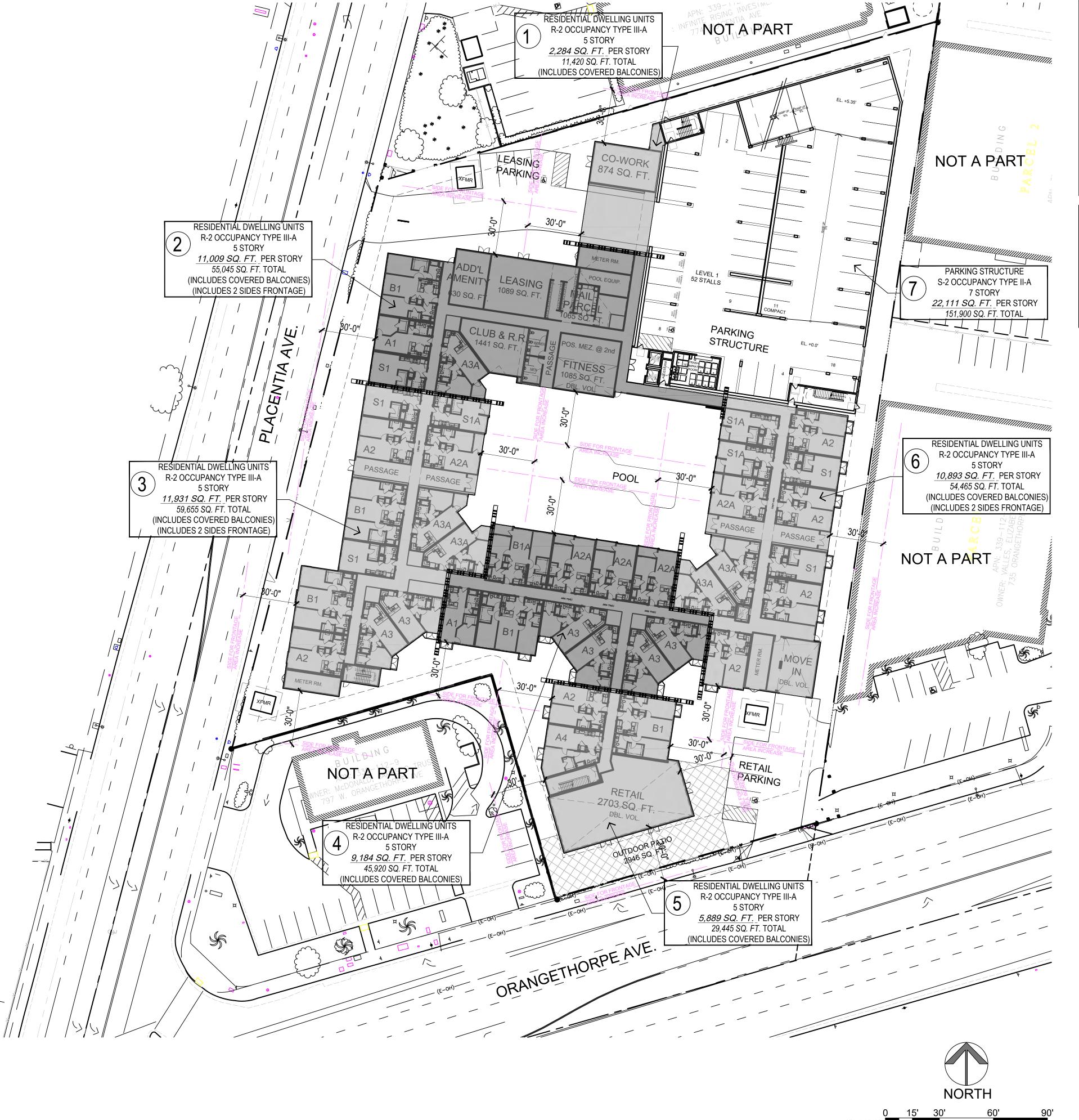
Property Management Company Authorized Agent Signature

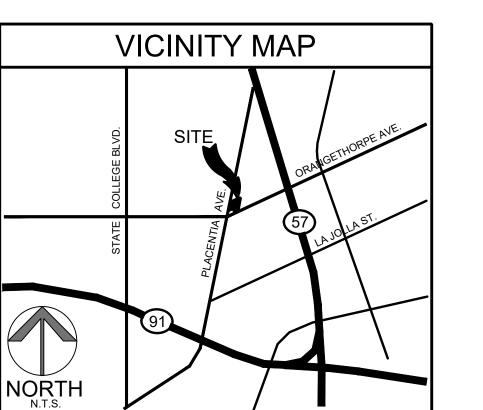
FMP-2

20' SETBACK & 59° LADDER - ROOF ACCESS

ORANGETHORPE AVE

2021-204 08-29-2023





LEGEND

FIRE AREA SEPARATION

2019 CBC - BUILDING CODE ANALYSIS - HEIGHT AND AREA - TYPE III-A CONSTRUCTION													
Building Use	Occup. Const. Group Type						Allowable	Max Bldg	Avg. Bldg				
		Sprinklers (903.3.1.1)	Allowable Ht / Stories	Height Provided	Tab. 506.2	Nonsprinklered (Sec. 506.2.3)	Frontage Increase (Sec. 506.3)	Sec 506.2.3	Area per Bldg Section	Area per Story (5-St)			
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Placentia Fire Department Access & Water Plan Notes

All of the notes listed in the INSPECTION REQUIREMENTS and GENERAL REQUIREMENTS sections shall be placed, verbatim, on the plan under the heading "FIRE DEPARTMENT ACCESS & WATER NOTES."

INSPECTION REQUIREMENTS

- Placentia site inspections are required for this project. Please schedule all field inspections at least 48
 hours in advance. Inspections canceled after 1 p.m. on the day before the scheduled date will be
 subject to a re-inspection fee. Call (714) 993-8135 OR email FireCRR@placentia.org to schedule
- A lumber drop inspection shall be performed prior to bringing combustible materials (or combustible fixtures and finishes for structures of non-combustible construction). All-weather access roads capable of supporting 77,000 lbs., topped with asphalt, concrete, or equivalent shall be in place and hydrants
- operational at time of lumber drop inspection.
 For projects with fuel modification, a vegetation clearance inspection is required prior to a lumber drop inspection. Use the fuel modification plan service request number to schedule the vegetation clearance
- Phased installation of fire access roads requires additional inspections not covered by the fees paid at plan submittal. Contact (714) 993-8135 to arrange for additional inspections that may be needed and
- An original approved, signed, wet-stamped Placentia fire access & water plan shall be available on-site at time of inspection.
- Access roads and hydrants shall be maintained and remain clear of obstructions at all times during and after construction. Areas where parking is not permitted shall be clearly identified at all times.
- Obstruction of fire lanes and hydrants may result in cancellation or suspension of inspections.

 7. Temporary fuel tanks of 60 or more gallons shall be reviewed, inspected, and permitted by the Placentia
- Fire Department, City of Placentia prior to use.

 8. The project address shall be clearly posted and visible from the public road during construction.
- 9. All gates in construction fencing shall be equipped with either a Knox or breakaway padlock.
- Buildings of four or more stories shall be provided with stairs and a standpipe before reaching 40 feet in height

GENERAL REQUIREMENTS

- 11. Fire lane widths shall be measured from top face of the curb to top face of the curb for fire lanes with standard curbs and gutters and from flow-line to flow-line for fire lanes with modified curb designs (e.g., rolled, ramped, etc.). The developer is responsible to verify that all approved public works or grading department street improvement plans or precise grading plans conform to the minimum street width measurements per the approved Placentia fire department access & water plan and standards identified in Placentia Fire Community Risk Reduction Access & Water Guideline for all portions of the fire access roads.
- 12. Permanent, temporary, and phased emergency access roads shall be designed and maintained to
- support an imposed load of 77,000 lbs. and surfaced to provide all-weather driving capabilities.

 13. Fire lane signs and red curbs shall meet the specifications shown in Placentia Fire Community Risk Reduction Access & Water Guideline and shall be installed as described therein. Additional fire lane markings may be required at the time of inspection depending on field conditions.
- 14. All fire hydrants shall have a "Blue Reflective Pavement Marker" indicating their location per the Placentia standard. On private property markers are to be maintained in good condition by the property owner.
 15. Address numbers shall be located and be of a color and size so as to be plainly visible and legible from
- the roadway from which the building is addressed in accordance with Placentia Fire Community Risk Reduction Access & Water Guideline.
- Access gates shall be approved prior to installation and shall be in compliance with Chapter 5 of the CFC and Placentia Prevention Bureau Access & Water Guideline.
- 17. Approved access walkways shall be provided to all required openings and all rescue windows.18. Vegetation shall be selected and maintained in such a manner as to allow immediate access to all
- hydrants, valves, fire department connections, pull stations, extinguishers, sprinkler risers, alarm control panels, rescue windows, and other devices or areas used for firefighting purposes. Vegetation or building features shall not obstruct address numbers or inhibit the functioning of alarm bells, horns, or strobes.
- Dumpsters and trash containers larger than 1.5 cubic yards shall not be stored in buildings or placed within 5 feet of combustible walls, openings or combustible roof eave lines unless protected by an approved sprinkler system.
- 20. Any future modification to the approved Placentia Fire Community Risk Reduction Access & Water Plan or approved site plan, including but not limited to road width, grade, speed humps, turning radii, gates or other obstructions, shall require review, inspection, and approval by the Placentia Fire Department, City of Placentia.
- 21. Approval of this plan shall not be construed as approval of any information or project conditions other than those items and requirements identified in Placentia Fire Community Risk Reduction Access & Water Guideline and related portions of the CFC and CBC. This project may be subject to additional requirements not stated herein upon examination of actual site and project conditions or disclosure of additional information.

Fire access roads shall be designed, constructed, and maintained to support the imposed loads of Placentia fire apparatus with a total weight of 77,000 pounds. Apparatus weight is distributed as 50,000 pounds on tandem rear axels, and 27,000 pounds on the front axel. The surface shall be designed, constructed, and maintained to provide all-weather driving capabilities. A 20-foot minimum road width is required.



ORANGETHORPE AVE MIXED USE

777 ORANGETHORPE AVENUE - PLACENTIA, CA ORANGETHORPE INVESTMENT PARTNERS LLC

RESIDENTIAL BUILDING Fire Master Plan - Fire Area Plan & Notes



FMP-3

Scale 1" = 30'
Job No. 2021-204
Date 08-29-2023