



PLANNING & COMMUNITY DEVELOPMENT DEPARTMENT

STAFF REPORT

DATE: May 18, 2022

TO: Hearing Officer

SUBJECT: Tentative Tract Map #83068

LOCATION: 85 N. Grand Oaks Avenue

APPLICANT: Gordon Gao

ZONING DESIGNATION: RM-32 (Multi-Family Residential, 0-32 units per acre)

GENERAL PLAN DESIGNATION: Medium-High Density Residential

CASE PLANNER: Ivan Galeazzi

STAFF RECOMMENDATION: Adopt the Environmental Determination and the Specific Findings in Attachment A to **approve** Tentative Tract Map #83068 with the Conditions of Approval in Attachment B.

PROJECT PROPOSAL: Tentative Tract Map: To allow the creation of six air parcels on one land lot for residential condominium purposes.

ENVIRONMENTAL DETERMINATION: This project has been determined to be exempt from environmental review pursuant to the guidelines of the California Environmental Quality Act (Public Resources Code §21080(b)(9); Administrative Code, Title 14, Chapter 3, §15301, Class 1, Existing Facilities and §15303, Class 3, New Construction or Conversion of Small Structures) and there are no features that distinguish this project from others in the exempt classes; therefore, there are no unusual circumstances. Section 15301 exempts the demolition of up to six dwelling units in an urbanized area and Section 15303 exempts the construction of not more than six dwelling units in an urbanized area.

BACKGROUND:

Site characteristics: The subject site is located on the west side of N. Grand Oaks Avenue, and is a rectangular-shaped, 8,500 square-foot lot. The property is currently developed with a single-story single-family residence.

Adjacent Uses: North – Multi-Family Residential
South – Multi-Family Residential
East – Multi-Family Residential
West – Multi-Family Residential

Adjacent Zoning: North – RM-32 (Multi-Family Residential 0-32 units per acre)
South – RM-32 (Multi-Family Residential 0-32 units per acre)
East – RM-32 (Multi-Family Residential 0-32 units per acre)
West – RM-32 (Multi-Family Residential 0-32 units per acre)

Previous zoning cases: None

PROJECT DESCRIPTION:

The applicant, Gordon Gao, has submitted a Tentative Tract Map application to allow the creation of six air parcels on one land lot for residential condominium purposes. The applicant is proposing to demolish the existing single-family residential dwelling and to develop the site with a six-unit condominium development project. This Tentative Tract Map application is for the creation of air parcels only; it does not address the design or construction of the multi-family project and does not include any proposed changes to the previously approved Design Review approval or any other previously approved entitlements.

ANALYSIS:

The subject site is located within the RM-32 (Multi-Family Residential 0-32 units per acre) zoning district. Multi-family projects are permitted within this zoning district and are subject to the development standards in Section 17.22.060 (RM District General Development Standards) of the Zoning Code. In this case, the maximum permitted density on the site, based on a lot size of 8,500 square feet, is six units; therefore, the proposed six-unit project is in compliance with the maximum allowed density.

Tentative Maps are subject to seven findings contained in the City's Subdivision Ordinance, Municipal Code Chapter 16.20 (Tentative Maps). Generally, the purpose of these findings is to address the design of subdivision, the suitability of the site, among other potential impacts, damage, or conflict with the environment, wildlife habitat, public health, water quality, and access.

The project is designed to comply with development standards applicable to projects in the RM-32 zoning district. The six-unit project has completed the Preliminary Plan Check process and received Consolidated Design Review approval on October 1, 2018. Through those reviews, it was determined that the six-unit project satisfied applicable Zoning Code requirements, Citywide Design Principles, and architectural standards for multi-family housing. These reviews included an analysis of the total and main garden requirements, setbacks, height, and off-street parking requirements. No deviations, concessions, or waivers were requested as part of these reviews.

As demonstrated in Attachment B, the proposed tentative map meets all required findings. The project demonstrates consistency with the goals, objectives, and policies of the General Plan and the site is physically suitable for the proposed density as it is relatively flat and located in an urban area. The design of the subdivision will not cause substantial environmental damage in that the property is located in an urbanized area and not near any sensitive habitat. The proposal for six air parcels on one residential land lot would not cause environmental damage because the area is developed with residential uses, and the Tentative Tract Map application is a mapping action that does not include any physical changes to the site. Further, the proposed improvements are not likely to cause serious health problems in that the design of the housing project provides appropriate ventilation, light, and circulation within the development, consistent with requirements of the Zoning Code. Finally, the project will comply with all sewer requirements and will not conflict with any public easements or prevent access through the property.

Tenant Protection Ordinance

The property is currently developed with a single-family residence that would be demolished as part of the proposed project. Since there will be no demolition of existing multifamily units, the project is not subject to the City's Tenant Protection Ordinance, Municipal Code Chapter 9.75 ("TPO").

Inclusionary Housing

Zoning Code Chapter 17.42 (Inclusionary Housing Requirements) establishes standards and procedures to encourage the development of housing that is affordable to a range of households with varying income levels. These standards apply to new residential projects consisting of 10 or more dwelling units. As the project consists of six units, it is not subject to the inclusionary housing requirements.

GENERAL PLAN CONSISTENCY:

The subject property is designated Medium-High Density Residential (0-32 DU/acre) in the General Plan Land Use Element. This designation is characterized by medium-high density multi-family complexes in neighborhoods with densities of up to 32 dwelling units per acre and one to three story buildings. The six-unit project complies with the maximum density allowed. The Tentative Tract Map for six air parcels is consistent with General Plan Policy 21.4 (New Residential Development) and Goal 23 (Multi-Family Neighborhoods). Specifically, Policies 23.1 (Character and Design), and 23.2 (Parking Areas and Garages) are supported by the by expanding the type, and increasing the inventory of housing units available for Pasadena residents. The project would enhance the neighborhood character and quality through implementation of the "City of Gardens" multi-family development standards that emphasize the coherence, embellishment, and visibility of courts and gardens. Finally, the proposal includes a subterranean garage in compliance with off-street parking requirements.

TREE PROTECTION ORDINANCE:

Municipal Code Chapter 8.52 (City Trees and Tree Protection Ordinance) establishes standards for the protection and removal of protected trees on private property.

The tree inventory submitted did not identify any protected existing trees on-site. As such, there are no protected trees proposed to be removed in conjunction with the Tentative Tract Map application.

ENVIRONMENTAL REVIEW:

This project has been determined to be exempt from environmental review pursuant to the guidelines of the California Environmental Quality Act (Public Resources Code §21080(b)(9); Administrative Code, Title 14, Chapter 3, §15301, Class 1, Existing Facilities and §15303, Class 3, New Construction or Conversion of Small Structures) and there are no features that distinguish this project from others in the exempt classes; therefore, there are no unusual circumstances. Section 15301 exempts the demolition of up to six dwelling units in an urbanized area and Section 15303 exempts the construction of not more than six dwelling units in an urbanized area.

REVIEW BY OTHER DEPARTMENTS:

The City's Department of Transportation, Building and Safety Division, Public Works Department, Housing Department, Department of Water and Power, and Fire Department have reviewed the proposal. The Departments of Public Works and Water and Power have provided recommended conditions of approval that are included in Attachment B of this staff report. No other comments were provided.

CONCLUSION:

The Tentative Tract Map would create six air parcels on a single lot for residential condominium purposes. It is staff's assessment that the proposal is consistent with land use policies of the General Plan, development standards applicable to multi-family projects in the RM-32 zone, and applicable sections of the City's Subdivision Ordinance. Therefore, staff recommends approval of the application based on the findings in Attachment A and the conditions in Attachment B.

Attachments:

Attachment A: Specific Findings for Approval

Attachment B: Recommended Conditions of Approval

ATTACHMENT A
SPECIFIC FINDINGS FOR TENTATIVE TRACT MAP #83068

1. *The proposed map is consistent with applicable general and specific plans as specified in Section 65450.* The proposed density of the Tentative Tract Map is within the maximum density allowed for the Medium-High Density Residential (0-32 DU/acre) land use designation of the General Plan; and is consistent with the size and character of other residential lots in the vicinity of the site. The Tentative Tract Map is also consistent with the following General Plan Policies: Policy 21.4 (New Residential Development), Policy 23.1 (Character and Design), and Policy 23.2 (Parking Areas and Garages).
2. *The site is physically suitable for the type of development.* The site is located in an urban area, is rectangular in shape and relatively flat in topography. The proposed multi-family development will be located on a site that allows for multi-family development, consistent with lots on the block and in the vicinity that are similar in size and topography and developed with similar uses.
3. *The design of the subdivision or the proposed improvements will not cause substantial environmental damage or substantially and unavoidably injure fish or wildlife or their habitat.* The property is located in an urbanized area and not near any sensitive habitat. The proposal for six air parcels will not cause environmental damage because the area is developed with residential uses and the Tentative Tract Map is a mapping action that does not include any physical changes to the site. No fish or wildlife habitats in the vicinity have been identified, and as such, approval of the map will not result in significant environmental impacts.
4. *The design of the subdivision or the proposed improvements is not likely to cause serious health problems in that the subdivision is compatible with existing residential land uses in the vicinity.* The subdivision and proposed project will be consistent with uses on this block and in the vicinity. The multi-family project will be designed in compliance with applicable Zoning Code standards, and Citywide Design Principles and architectural standards. The design of the project provides appropriate open space, ventilation, light, and circulation within the development and adjacent developments, consistent with requirements of the Zoning Code. Therefore, proposed improvements are not likely to cause serious health problems.
5. *The proposed map meets the requirements of Title 16 as applicable.* The proposal to create six air parcels will comply with applicable standards of Title 16. The Tentative Tract Map was prepared by a registered engineer, obtained a map number assigned by the County, references the locations of adjacent streets and other public properties, labels and identifies easements, and references means of vehicular access. Copies of the Tentative Tract Map were provided to the applicable parties, including, but not limited to the City engineer, Water and Power Department, Building and Safety Division, Fire Department, Transportation Department, Housing Department as required by Title 16. The six-unit project complies with the maximum density allowed for the Medium-High Density Residential land use designation under the General Plan.
6. *The discharge of waste from the proposed subdivision into existing sewer system would not add to or result in violation of existing water quality control standards.* The residential development standards of the Pasadena Municipal Code provide standards that will require the applicant to connect to public sewer. Compliance with this requirement will be verified during the plan check process.

7. *The design of the subdivision or the type of improvements will not conflict with easements, acquired by the public at large, for access through or use of, property within the proposed subdivision.* The design of the subdivision and type of improvements proposed will not conflict with easements acquired by the public because no public easements traverse the site.

ATTACHMENT B
CONDITIONS OF APPROVAL FOR TENTATIVE TRACT MAP #83068

The applicant or the successor in interest shall comply with the following conditions:

General

1. The final map to be recorded with the Los Angeles County Recorder shall substantially conform to the Tentative Tract Map submitted with this application and dated "Approved at Hearing May 18, 2022," except as modified herein.
2. The plans submitted for building permits shall be in general conformance to site plan submitted and stamped "Approved at Hearing, May 18, 2022," except as modified herein.
3. This approval allows Tentative Tract Map #83068 to create six residential air parcels for residential condominiums on a single lot. The creation of the six residential air parcels shall occur substantially as shown on the submitted plans, except as modified herein and shall comply with the applicable land use regulations and development standards of the Pasadena Municipal Code subject to the approval of the Zoning Administrator.
4. In accordance with Section 16.18.060.A of the Pasadena Municipal Code, the exercise of the right granted under this application must be commenced within two years of the effective date of the approval. It shall expire and become void, unless an extension of time is approved in compliance with Section 16.18.060 of the Municipal Code.
5. The applicant or successor in interest shall comply with the attached conditions of approval from other City Departments.
6. The applicant shall receive written final approval of the addresses that will be assigned to each proposed parcel/unit prior to recordation of map. Final approval of the addresses shall come from the Addressing Coordinator. For additional information please contact the Addressing Coordinator at (626) 744-4622.

Planning

7. The common area portion of the site shall be maintained and kept in good condition at all times.
8. The applicant shall satisfy the requirements of Chapter 17.46 (Parking and Loading) of the Pasadena Municipal Code prior to the issuance of a Building Permit.
9. All exterior mechanical equipment shall be architecturally screened from view of the public right-of-way in a manner subject to review and approval by the Zoning Administrator and Design and Historic Preservation staff.
10. All landscape and walkway lighting shall be directed downward to minimize glare.
11. This project meets the threshold for state-mandated water-efficient landscaping. Accordingly, the final landscape plans (inclusive of planting and hardscape plans, the planting pallet, drainage plan, and irrigation system plan(s) and specifications), shall be reviewed by

Planning and Community Development Department staff for conformance with the standards and requirements specified within the 2015 California Model Water Efficient Landscape Ordinance (MWELo) prior to the issuance of a building permit. No certificate of occupancy shall be issued until such plans have been deemed compliant with the MWELo and the landscaping has been installed per such approved MWELo-compliant plans to the satisfaction of the Director of Planning and Community Development or his/her designee.

12. All proposed fencing and/or walls shall comply with Section 17.40.180 (Walls and Fences) of the Zoning Code.
13. The project shall comply with Pasadena Municipal Code Chapter 8.52 (City Trees and Tree Protection Ordinance). A tree protection and retention plan shall be submitted to the Zoning Administrator for approval prior to the issuance of any building or grading permits.

Department of Public Works

14. The Department of Transportation requirements:
 - a. The driveway ramp shall have an 18' minimum width along the entire length of the ramp to accommodate 2-way traffic on the ramp. The driveway apron width shall match the ramp width.
 - b. To improve the safety of pedestrians crossing the driveway, the design plans shall indicate a 20' flat area beyond the property line to improve vehicular sight distance.
 - c. Any parking entry gate shall be setback a minimum of 20' from the property line. The gate must be included on the site plan and approved by the Department of Transportation prior to the issuance of the first permit for construction (demolition, grading, or building).
 - d. Pursuant to the adopted Street Design Guide, the applicant shall maintain a 5' min clear walk zone free of any obstructions along the project's frontage on Grand Oaks Avenue.
15. If this development proceeds to the subdivision process, the followings are required:

Prior to submission of the final tract map to the City for approval, the applicant shall pay a non-refundable flat fee (based on the current General Fee Schedule) to cover the cost of processing the final map. The applicant shall complete all required conditions before City's approval of the final map.

 - a. The applicant's engineer shall set boundary monuments on the proposed subdivision per Pasadena Municipal Code, Section 16.24.060, and furnish to the City a set of field notes that have been recorded with Los Angeles County Department of Public Works. The monuments shall be independently inspected by a third party licensed surveyor; with a certified report submitted to the City.
 - b. Prior to submission of the final map to the City, the applicant's engineer shall set boundary monuments on the proposed subdivision per Pasadena Municipal Code, Section 16.24, and furnish to the City a set of field notes that have been recorded with Los Angeles County Department of Public Works. The monuments shall be independently inspected by a third party licensed surveyor; with a certified report submitted to the City.
16. No private improvements may be placed within the public right-of-way, including, but not limited to, soldier beams, tie-backs, utility conduits, backflow preventers, transformers, fire sprinkler valve, decorative sidewalk and applicable parade post holes on Colorado Boulevard

per Standard Drawing S-419. Private improvements may only be placed in the public right-of-way by submitting a license agreement, which must be approved by the City. The license agreement application for any private improvement within the public right-of-way shall be submitted to the Department of Public Works for review and shall be approved by the City before any permits are granted.

The applicant shall submit the application, plan and processing fee, associated with processing the license agreement, at least three to four (3-4) months prior to the issuance of any permits. An approved license agreement will allow the applicant to install and maintain the private improvements within the public right-of-way with conditions.

A license agreement for shoring requires an indemnity bond in order to guarantee that shoring and tie-backs are free from defect due to faulty material, workmanship and failure. Upon review of the license agreement exhibits, an indemnity bond estimate will be prepared and forwarded to the applicant. The estimated amount is equivalent to the cost of reconstructing the public right of way, including all affected utilities, public facilities, and infrastructures, based on the plane of failure at a 45-degree angle from the lowest point of excavation. The indemnity bond shall be submitted to the City prior to the execution of the agreement and the issuance of any building or demolition permits.

All steel rods in every tie-back unit shall be relieved of all tension and stresses, and any portion of soldier beams and any portion of the tie-backs located be removed entirely from the public right-of-way. A monthly monitoring report stamped and certified by a licensed surveyor shall be submitted to indicate that the deflection from any piles or soldier beams does not exceed one inch. Upon completion of construction, the developer or his contractor shall remove all tie-back rods within the public right-of-way. The removal shall be documented by a report certified by a licensed deputy inspector. The report shall be submitted to the City for review and approval. The applicant will be charged a penalty of \$7,000 for each tie-back rod not removed from the public right-of-way. For temporary tie-backs or shoring, the maximum width of the license area fronting the development frontage(s) shall only extend to the centerline of the public right-of-way.

17. The applicant shall demolish existing and construct all new public improvements along the subject development frontage of Grand Oaks Avenue, including concrete drive approach per Standard Plan S-403; concrete sidewalk per Standard Plan S-421; concrete curb and gutter per Standard Plan S-406. All public improvements shall be completed prior to the issuance of Certificate of Occupancy.
18. Grand Oaks Avenue restoration, fronting the subject development, shall be a full width (from gutter to gutter) cold milling and resurfacing of 1.5 inches depth asphalt concrete roadway. Restoration of asphalt concrete pavement shall be per Standard Plan S-416 and to the satisfaction of the City Engineer. Traffic channelization shall be restored per the Department of Transportation requirements and approval.
19. The applicant is responsible for the design, preparation of plans and specifications, and construction of all required public improvements. Plans for the above improvements shall be prepared by a civil engineer, registered in the State of California. Upon submittal of improvement plans to the Departments of Public Works for review, the applicant will be required to place a deposit with the department to cover the cost of plan checking and construction inspection of the improvements. The amount of deposit will be determined when

the plans are submitted and will be based upon the estimated cost to the department for the work. Note that building plans approved by the City's Planning (Building) Department do not constitute approvals for work in the public right-of-way. Independent plans shall be submitted to the Department of Public Works – Engineering Division – at 175 North Garfield Avenue. The applicant is encouraged to submit these plans as early as possible to avoid delays in the issuance of Certificates of Occupancy.

20. The existing street lighting system on Grand Oaks Avenue consists of utilitarian lights (mounted on wood power poles) and, therefore, does not meet present design standards. In order to improve pedestrian and traffic safety, the applicant shall install one (1) new street light on or near the frontage of the property, including LED light, conduits, conductors, electrical service (if necessary), pull boxes, and miscellaneous appurtenant work. The type and hardware shall conform to current policies approved by the City Council, and the location shall be as approved by the Department of Public Works.

The applicant is responsible for the design, preparation of plans and specifications, and the construction of all required street light. Plans for the improvements shall be prepared by a civil engineer, registered in the State of California. Upon submission of improvement plans to the Departments of Public Works for checking, the applicant will be required to place a deposit with the department to cover the cost of plan checking and construction inspection of the improvements. The amount of deposit will be determined when the plans are submitted. In addition, there is possibly considerable lead-time for the materials required for the construction. In order to avoid delays in the development schedule, the applicant shall coordinate with this office at 626-744-4195 regarding this street light condition at least five (5) months in advance of the anticipated issuance of Certificates of Occupancy.

21. On-site drainage, such as roof drain, area drain and subterranean garage discharge, shall be contained on-site per LA County Regional Water Quality Control Board's current permit.
22. Any existing street tree(s) proposed to be removed are subject to the approval of the Urban Forestry Advisory Committee (UFAC).
23. A Tree Protection Zone (TPZ) shall be established for all existing City trees within the scope of a construction project. The TPZ extends from the base of the tree to four (4) radial feet beyond the dripline of a tree and applies to the entirety of the tree – from the roots to the canopy of the tree.

The applicant is prohibited from the following within a designated TPZ: construction vehicle access, construction vehicle operation, staging of materials, and trenching without the consent of the Department of Public Works.

The applicant shall at minimum provide the following within a designated TPZ: mulching, irrigation, and protective fencing.

24. Prior to the issuance of any permit, the applicant shall submit a Preliminary Tree Protection Plan (PMC Ch. 8.52 – City Trees and Tree Protection Ordinance), prepared by a Landscape Architect or certified Arborist, showing the TPZ and all structures, footings, and grading that may impact City trees shall be submitted to the Department of Public Works, for review and approval. Given that each construction project poses unique conditions, it is the responsibility of the applicant to develop a Tree Protection Plan based off the TPZ standards to the extent

feasible. The Plan shall conform to the Tree Protection Standards which specifically require showing the locations of all existing trees, their diameters, canopies, whether the tree is a public tree or private tree, as well as any trees to be planted with their canopy at mature size. The final conditions of the Tree Protection Plan shall be approved by the Forestry Superintendent. A non-refundable flat fee, per the current General Fee Schedule, will be required for staff time to review the Tree Protection Ordinance compliance.

25. Prior to any construction, tree protections including the installation of fencing to protect public trees must be in place. The fencing material shall be chain-link attached to posts inserted into the ground at the edge of the dripline and shall be a minimum of 4' in height. See Standard Plan S-642 – Tree Protection Chain Link Fencing. Fencing shall maintain visual lines of sight in order to avoid vehicle and pedestrian hazards. Fencing shall include a minimum 8.5" x 11" warning sign with the following information: 'Tree Protection Zone'; name and contact information of project owner or authorized representative; 'Please contact the City of Pasadena Citizen Service Center to report any concerns (626) 744-7311'. All protective fencing must be permitted, inspected and approved by Public Works prior to the commencement of any construction.
26. All new drive approaches shall be at least seven (7) feet clear of the existing street trees measured from the edge of the trunk closest to the drive approach. All public trees shall be protected and fenced with a posting on the fences advising of the tree protection.
27. Prior to issuance of any permit, the applicant shall submit a valuation assessment report of the existing public tree(s) along the boundary of their project. The report shall be prepared by a registered Arborist and submitted to PNR for review and approval. If it is determined that the applicant has failed to care for any City tree within their Tree Protection Plan, and the health of the tree(s) was critically compromised requiring its removal, the applicant shall be liable for the following costs: assessed value of tree determined by a PNR Arborist using a current ISA assessment methodology; the removal cost determined by PNR; and any applicable infraction or administrative fines determined by Code Compliance.
28. Prior to issuance of any permit, a sundry deposit in the amount of the applicant's total liabilities based on the aforementioned approved tree assessment report shall be submitted to the City. The sundry deposit is fully refundable, less administrative fees, upon the satisfaction of Public Works prior to the issuance of a Certificate of Occupancy.
29. The proposed development shall connect to the public sewer with one or more new six-inch diameter house sewer(s) laid at a minimum slope of two percent. In accordance with PMC Chapter 13.24.010, house sewer "means that part of the horizontal piping beginning 24 inches from the exterior wall of the building or structure and extending to its connection with the public sewer." The section of house sewer within the public right-of-way - from the property line to the public sewer, or within easement, shall be vitrified clay or cast iron pipe. The house sewer shall meet City Standards as determined by the Department of Public Works, and a permit issued by the Department of Public Works is required for work within the public right-of-way. The construction of all new house sewers shall be completed prior to the issuance of Certificate of Occupancy.
30. Past experience has indicated that projects such as this tend to damage the abutting street improvements with the heavy equipment and truck traffic that is necessary during construction. Additionally, the City has had difficulty in requiring developers to maintain a

clean and safe site during the construction phase of development. Accordingly, the applicant shall place a \$20,000 deposit with the Department of Public Works prior to the issuance of a building or grading permit. This deposit is subject to refund or additional billing, and is a guarantee that the applicant will keep the site clean and safe, and will make permanent repairs to the abutting street improvements that are damaged, including striping, slurry seal/resurfacing, curb, gutter, and sidewalk, either directly or indirectly, by the construction on this site. The deposit may be used for any charges resulting from damage to street trees. A processing fee will be charged against the deposit.

31. Prior to the start of construction or the issuance of any permits, the applicant shall submit a Construction Staging and Traffic Management Plan to the Department of Public Works for review and approval. The template for the Construction Staging and Traffic Management Plan can be obtained from the Department of Public Works webpage at: <https://ww5.cityofpasadena.net/public-works/engineering-and-construction/engineering/forms-and-applications/> . A flat fee, based on the current General Fee Schedule, is required for plan review and on-going monitoring during construction. This plan shall show the impact of the various construction stages on the public right-of-way (and the private street) including all street occupations, lane closures, detours, staging areas, and routes of construction vehicles entering and exiting the construction site. An occupancy permit shall be obtained from the department for the occupation of any traffic lane, parking lane, parkway, or any other public right-of-way. All lane closures shall be done in accordance with the Manual of Uniform Traffic Control Devices (MUTCD) and California Supplement. If the public right-of-way occupation requires a diagram that is not a part of the MUTCD or California Supplement, a separate traffic control plan must be submitted as part of the Construction Staging and Traffic Management Plan to the department for review and approval. No construction truck idling or staging, material storage, or construction trailer are allowed in the public right-of-way.

In addition, prior to the start of construction or issuance of any permits, the applicant shall conduct a field meeting with an inspector from the Department of Public Works for review and approval of construction staging, parking, delivery and storage of materials, final sign-off procedure, and any of the specifics that will affect the public right-of-way. An appointment can be arranged by calling 626-744-4195.

All costs associated with these conditions shall be the applicant's responsibility. Unless otherwise noted in this memo, all costs are based on the General Fee Schedule that is in effect at the time these conditions are met.

In addition to the above conditions, the requirements of all applicable Pasadena Municipal Code (PMC) will apply and be implemented during the corresponding plan review and permitting. They may include but not limited to:

- Sidewalk Ordinance - Chapter 12.04
- Sewer Facility Charge – Chapter 4.53
- Residential Impact Fee – Chapter 4.17
- City Trees and Tree Protection Ordinance - Chapter 8.52
- Construction and Demolition Waste Ordinance - Chapter 8.62
- Holiday Moratorium of activities within public right-of-way – Chapter 12.24.100

Department of Water and Power

32. Water Mains:

Note that there is a 6-inch cast iron water main in Grand Oaks Avenue installed under Work Order 2867 in 1934 that has historically not provided enough fire flow for the Pasadena Fire Department to approve your project. Therefore an upgrade of the water main is required and will be paid for by the owner/developer. A deposit is needed for the water main design and a cost estimate will be provided to the owner/developer for the new water service installations, main design, and main construction. The owner/developer must be aware that the design of a new water main will take 3 to 4 months after the initial deposit is made by the owner/developer. Also, an additional 4 to 6 months will be needed for the construction of the water main after the balance of the estimate is paid in full by the owner/developer. The design and construction estimated time depends on the size and length of the water main and other mains in the queue. For this reason, it is imperative that the initial deposit be submitted promptly. Also, the owner/developer will pay in full any street restoration that is required by Pasadena Public Works Department (PWD). PWD determines the limits of the street restoration.

33. Moratoriums:

Verify with Public Works Department (PWD) regarding any street construction moratorium affecting this project.

34. Water Pressure:

The approximate water pressure at this site is 70 - 75 psi.

35. Water Service:

PWP records reflect there is one domestic service providing water to the property:

- ¾ -inch copper service installed in 1934 (#13262).

Any change in water service will be reviewed when the building plans are submitted. Any change in service will be installed at actual cost and paid for by the owner/developer. The minimum sized service installed by PWP is 1-inch and any services 50 years and older require renewal.

36. Water Division Requirements:

- Water lines are not permitted to cross lot lines to serve adjoining lots without a utility easement; the Pasadena Water Division shall approve all proposed easements.
- The Water Division will install the service tap, lateral, water meter and designate the distribution main and service tap.

37. Cross Connection Requirements for Domestic Services:

- All city cross-connection prevention policies must be adhered to. The developer is required to provide back-flow protection at all connections whereby the plan arrangement or configuration could potentially contaminate the domestic water system.
- There shall be no taps between the meter and the backflow assembly.
- The owner/developer shall provide and install an approved double check valve backflow prevention assembly at each water service if more than one water service serves property. The location of the back-flow prevention assembly shall be above ground within 20-feet of the property line.

- The property owner is responsible for the back-flow prevention assembly. The assembly will be registered and require an annual test certification. All manufacturer warranties shall be transferred upon installation and certification to the property owner.
- The owner/developer is responsible for certifying and testing the assembly after installation by a person that possesses a current and valid license, and must be certified by the County of Los Angeles Department of Health Services.
- The owner/developer shall submit the results of the test to the Water Utility Service Section for approval. Upon approval, the City will maintain domestic water to the property and will automatically register the assembly.
- All water services shall be protected from cross connections by means of approved backflow prevention techniques and assemblies.
- An administrative fee of \$180.94 will be charged for each backflow prevention assembly installed.

38. Cross Connection Requirements for Fire Service:

- The fire service requires a detector meter and back-flow prevention assembly.
- The assembly shall be located in a readily accessible location for meter reading, test and maintenance.
- All fire sprinkler systems require installation of an approved double check valve backflow prevention assembly at the sprinkler lateral off the domestic system.
- Contract service other than PWP, providing the backflow prevention assembly shall contact the Water Utility Services Section to verify assembly approval or contact the University of Southern California foundation for Cross Connection Control and Hydraulic Research for an approve list of assemblies.
- All manufacturer warranties shall be transferred upon installation and certification to the property owner. The property owner shall assume ownership of the back-flow prevention assembly. The assembly will be registered and require an annual test certification.
- If PWP is to provide DCDA for fire service, PWP will install Wilkins, model 450 DA.
- Choose from one of the below listed options and incorporate into the fire sprinkler plans.

Option 1:

Detector meter located on double check detector check assembly (DCDA) outside the structure on private property.

- The Water Division will install the service tap, lateral, DCDA (optional Wilkins, models 350 DA or 450 DA) and designate the distribution main and service tap.
- The location of the back-flow prevention assembly shall be a minimum of 12-inches above grade within 10-feet of the property line, on private property. Reference Water Division Plan Check for certification and registration.

Option 2:

Detector meter located in a vault within the public right of way with a double check valve backflow prevention assembly (DCA) provided and installed inside or outside the building by the owner/developer.

- The Water Division will install the service tap, lateral, detector water meter and designate the distribution main and service tap.
- The location of the back-flow prevention assembly shall be a minimum of 12-inches above grade within 20-feet of the property line on private property. Reference Water Division Plan Check for certification and registration.

39. All Other Cross Connection Requirements:

The owner/developer is also responsible for additional cross connection requirements for irrigation system, swimming pool and/or spa, boiler / chilled water / cooling tower (using chemical additives), domestic water line at makeup to carbonation system, sewage ejector, decorative water fountain, and makeup water to reverse osmosis filtration equipment.

40. Residential Water Metering Requirements:

Senate Bill No. 7 (Housing: water meter: multiunit structures) approved by the Governor September 25, 2016, requires that individual meters or submeters be installed on all new multifamily residential units. Per Senate Bill No. 7: Each water purveyor that sells, leases, rents, furnishes, or delivers water service to a newly constructed multiunit residential structure or newly constructed mixed-use residential and commercial structure for which an application for a water connection, or more than one connection, is submitted after January 1, 2018, shall require a measurement of the quantity of water supplied to each individual residential dwelling unit as a condition of new water service. The law exempts long-term health care facilities, low-income housing, residential care facilities, housing at a place of education, and time-share properties, as well as, other multiunit residential structures deemed infeasible by the Department of Housing and Community Development.

Per the Water Regulations adopted by City Council on June 4, 2012: "The water service will end at the curb, public right of way or property line at the option of PWP. Where the location of the meter box or vault on the City side of the property line is not practicable, the meter box or vault shall be located on the Customer's premises or such other location that may be agreed upon by PWP at its option. The Customer shall be responsible for the expense of installation and maintenance of the lines on the Customer's side of the property line connecting to PWP's service where construction of the Customer's facilities began."

The following submetering options are available for PWP customers:

Option 1:

Individual metering located on the parkway.

The Water Division will install individual water meters on the parkway in front of the project site, if permitted by available space as per the General Requirements, for each residential unit. The owner/developer shall install an approved double check valve backflow prevention assembly at each domestic water service. All dedicated irrigation services must have a Reduced Pressure Zone Valve Assembly ("RP"). The location of the backflow prevention assemblies shall be above ground within 20-feet of the property line, and the assemblies require registration and annual test certifications. PWP's responsibility of service ends at the meter and PWP will bill each tenant directly.

Option 2:

Individual metering located on private property.

The Water Division will install a service lateral up to the property line with a shut off valve. The owner/developer shall provide and install an approved double check valve backflow prevention assembly after the shut off valve and will install all piping behind the property line. The location of the backflow prevention assembly shall be above ground within 20-feet of the property line, and the assembly requires registration and an annual test certification. The owner/developer will pay for and install all water meters, provided by PWP, to each residential unit. Water meters must be installed horizontally and must be located in an open area or in a garage/parking area and must have a minimum 12-inch above grade in order for meter

readers to have unrestricted access to them if needed. All dedicated irrigation services must have a RP. PWP will inspect the individual meters as a condition of providing service. PWP's responsibility of service ends at the property line and PWP will bill each tenant directly.

Option 3:

Submetering by third party vendor located on private property.

The Water Division will install master water meter(s) on the parkway, in front of the project site. The owner/developer must submit a statement on letterhead stating that a Contractor licensed by the California State License Board will install submeters, per Senate Bill No. 7, to all residential units. The owner/developer shall install an approved double check valve backflow prevention assembly on each submeter. All dedicated irrigation services must have a RP. The backflow prevention assemblies require registration and annual test certifications. PWP will inspect the submeters as a condition of providing service. PWP's responsibility of service ends at the master meter and the owner/developer is responsible for billing each tenant per Senate Bill No. 7.

41. Fire Flow and Fire Hydrants:

The Pasadena Fire Department (PFD) has jurisdiction and establishes the requirements for fire protection within the City of Pasadena. PFD must be consulted in this regard. Any cost incidental to providing adequate fire protection for the project must be paid for by the owner/developer.

There are two fire hydrants in close proximity to the project site.

- Fire hydrant 1016-2 is located on the west curb of Grand Oaks Avenue, approximately 25 feet south of Walnut Street.
- Fire hydrant 1016-9 is located on the west curb of Grand Oaks Avenue, approximately 400 feet north of Colorado Boulevard.

There is no current fire flow test information available for this hydrant. If you would like to request a fire flow test, please contact Linette Vasquez at (626) 744-7064.

Fire Hydrant Details:

