

## Conditions of Architectural Review Approval

### PLN23-00290 / 4590 Patrick Henry Drive

**Architectural Review** for the demolition of the existing 42,821 square-foot industrial building and construction of an eight-story, 284-unit multifamily residential building within the Patrick Henry Drive Specific Plan Area.

#### GENERAL

- G1. **Permit Expiration.** This Permit shall automatically be revoked and terminated if not used within two years of original grant or within the period of any authorized extension thereof. The date of granting this Permit is the date this Permit is approved by the Decision-making body and the appeal period has been exhausted. The expiration date is October 24, 2026.
- G2. **Conformance with Plans.** Prior to the issuance of Building Permit, the development of the site and all associate improvements shall conform to the approved plans on file with the Community Development Department, Planning Division. No change to the plans will be made without prior review by the Planning Division through approval of a Minor Amendment or through an Architectural Review, at the discretion of the Director of Community Development or designee. Each change shall be identified and justified in writing.
- G3. **Conditions on Plans.** All conditions of approval for this Permit shall be reprinted and included within the first three sheets of the building permit plan sets submitted for review and approval. At all times these conditions of approval shall be on all grading and construction plans kept on the project site.
- G4. **Necessary Relocation of Public Facility.** If relocation of an existing public facility becomes necessary due to a conflict with the developer's new improvements, then the cost of said relocation shall be borne by the developer.
- G5. **Indemnify and Hold Harmless.** The owner or designee agrees to defend and indemnify and hold City, its officers, agents, employees, officials and representatives free and harmless from and against any and all claims, losses, damages, attorney's fees, injuries, costs, and liabilities from any suit for damages or for equitable or injunctive relief which is filed by a third party against the City by reason of its approval of owner or designee's project.
- G6. **Code Compliance.** The construction permit application drawings submitted to the Santa Clara Building Division shall include an overall California Building Code analysis; proposed use and occupancy of all spaces (CBC Ch. 3), all building heights and areas (CBC Ch. 5), all proposed types of construction (CBC Ch. 6), all proposed fire and smoke protection features, including all types of all fire rated penetrations proposed (CBC Ch. 7), all proposed interior finishes fire resistance (CBC Ch. 8), all fire protection systems proposed (CBC Ch. 9), and all means of egress proposed (CBC Ch. 10). Noncombustible exterior wall, floor, and roof finishes are strongly encouraged.
- During construction retaining a single company to install all fire related penetrations is highly recommended.
  - The grade level lobbies shall be minimum 1-hour rated all sides and above.
  - All stair shafts shall be minimum 1-hour rated.
  - All elevator shafts shall be minimum 1-hour rated.
  - All trash chute shafts shall be minimum 1-hour rated.
  - Recommendation: provide minimum two trash chutes; one for recyclables, one for trash, each trash chute to be routed down to a grade level trash collection room.
  - Any trash rooms shall be minimum 1-hour rated all sides and above.

- G7. **Building Codes as Amended.** See Title 15 of the Santa Clara City Code for any amendments to the California Building Codes.
- G8. **Reach Codes.** This project is subject to the provisions of the City of Santa Clara 2022 Reach Code, effective January 2022. See Ordinance No. 2034 and/or Title 15 of the Santa Clara City Code.
- a. Chapter 15.36 – Energy Code for “all electric” provisions for new construction.
  - b. Chapter 15.38 – Green Building Code for additional Electric Vehicle Charging requirements for new construction.
- G9. Comply with all applicable codes, regulations, ordinances and resolutions.

## **COMMUNITY DEVELOPMENT – PLANNING DIVISION**

### **DESIGN / PERFORMANCE– PRIOR TO BUILDING PERMIT ISSUANCE**

- P1. **Roof Mounted Mechanical Equipment.** All roof mounted mechanical equipment shall be placed within a screened roof top enclosure depicted on the elevation drawings or located below the parapet level and shall not be visible from the ground at any distance from the building. Cross section roof drawings shall be provided at the building permit stage indicating the relative height of the screen wall or parapet. Minimum screen height or parapet depth shall be five feet or greater to match the height of any proposed equipment.
- P2. **Tree Replacement (on-site).** Trees permitted by the City for removal shall be replaced on-site at a ratio of 2:1 (24-inch box trees) or 4:1 (15-gallon trees). (SCC 12.35.090)
- P3. **Tree Replacement (Alternative Means).** Trees permitted by the City for removal shall be replaced at a ratio of 1:1 (36-inch box tree or 48-inch box) or the Applicant shall pay the in-lieu fee (prior to building permit issuance) for the trees cannot be replaced on-site based on the 2:1 tree replacement ratio as determined by the Director of Community Development. (SCC 12.35.090(C)(8))
- P4. **Construction Management Plan.** The owner or designee shall submit a construction management plan addressing impacts to the public during construction activities including: showing work hours, noticing of affected businesses, construction signage, noise control, storm water pollution prevention, job trailer location, contractor parking, parking enforcement, truck hauling routes, staging, concrete pours, crane lifts, scaffolding, materials storage, pedestrian safety, and traffic control. The plan shall be submitted to the Director of Community Development or designee for approval prior to issuance of demolition and building permits.

### **DURING CONSTRUCTION -- PRIOR TO OCCUPANCY**

- P5. **Construction Hours.** Construction activity shall be limited to the hours of 7:00 a.m. to 6:00 p.m. weekdays and 9:00 a.m. to 6:00 p.m. Saturdays for projects within 300 feet of a residential use and shall not be allowed on recognized State and Federal holidays.
- P6. **Construction Trash/Debris.** During construction activities, the owner or designee is responsible for collection and pick-up of all trash and debris on-site and adjacent public right-of-way.
- P7. **Landscape Water Conservation.** The owner or designee shall ensure that landscaping installation meets City water conservation criteria in a manner acceptable to the Director of Community Development.

### **OPERATIONAL CONDITIONS**

- P8. **Landscaping Installation & Maintenance.** The owner or designee shall ensure that the landscaping installed and accepted with this project shall be maintained on the site as per the approved plans. Any alteration or modification to the landscaping shall not be permitted unless otherwise approved by the Director of Community Development.
- P9. **Transportation Demand Management (TDM) Program (Residential Project).** The owner or designee shall implement the project TDM program that includes elements to reduce vehicle miles traveled (VMT) by 20 percent with 10% through active TDM measures per the City's 2022 Climate Action Plan. A final TDM plan shall be submitted to the Director of Community Development or designee prior to Building Permit Final by the Planning Division. The property owner or designee shall monitor the project TDM program and submit an annual report to the Director of Community Development or designee. Monitoring and reporting requirements may be revised in the future if the minimum reduction is not achieved through the measures and programs initially implemented.

#### **MITIGATION MEASURES**

- P10. **Mitigation Monitoring and Reporting Program.** The Mitigation Monitoring and Reporting Program (MMRP), prepared for this project in compliance with the California Environmental Quality Act (CEQA), shall be incorporated by reference as conditions of approval. The applicant shall comply with all specified mitigation measures in the timelines outlined in the project's MMRP.

#### **COMMUNITY DEVELOPMENT - BUILDING DIVISION**

##### **DESIGN / PERFORMANCE– PRIOR TO BUILDING PERMIT ISSUANCE**

- BD1. **Addressing.** Prior to overall construction permit application, submit to the Santa Clara Building Division, 2 copies of an addressing diagram request, to be prepared by a licensed architect or engineer. The addressing diagram(s) shall include all proposed streets and all building floor plans. The addressing diagram(s) shall conform to Santa Clara City Manager Directive #5; Street Name and Building Number Changes, and Santa Clara Building Division Address Policy For Residential and Commercial Developments. The addressing diagram(s) shall indicate all unit numbers to be based off established streets, not alleys nor access-ways to garages. Allow a minimum of 10 working days for initial staff review. Please note city staff policy that existing site addresses typically are retired. Provide digital pdf printed from design software, not scanned from printed paper sheet.
- a. Any building or structure that is demolished shall have its address retired and a new address/s shall be issued for the project.
- BD2. **Flood Zone.** The construction permit application drawings submitted to the Santa Clara Building Division shall include a copy of the latest Federal Emergency Management Agency (FEMA) Flood Zone Map: <https://msc.fema.gov/portal/home>. The project drawings shall indicate how the project complies with the Santa Clara Flood Damage Prevention Code.
- a. FEMA Flood Zone map designations and requirements are based on the map in effect at date of Building Permit issuance.
- BD3. **Water Pollution Control.** The construction permit application drawings submitted to the Santa Clara Building Division shall include Santa Clara Valley Urban Runoff Pollution Prevention Program Low Impact Development (LID) practices [http://www.scvurppp-w2k.com/nd\\_wp.shtml](http://www.scvurppp-w2k.com/nd_wp.shtml). All projects that disturb more than one acre, or projects that are part of a larger development that in total disturbs more than one acre, shall comply with the Santa Clara Valley Urban Runoff Pollution Prevention Program Best Management

Practices (BMP): [http://www.scvurppp-w2k.com/construction\\_bmp.shtml](http://www.scvurppp-w2k.com/construction_bmp.shtml), and shall provide a Storm Water Pollution Prevention Plan (SWPPP) by a certified Qualified SWPPP Developer (QSD). All site drainage and grading permit applications submitted to the Santa Clara Building Division shall include a city of Santa Clara "C3" data form, available on this web page:

- <https://www.santaclaraca.gov/our-city/departments-g-z/public-works/environmental-programs/stormwater-pollution-prevention> and will be routed to a contract consultant for review.

BD4. **Submittal Requirements.** The overall project construction permit application shall include the geotechnical, architectural, structural, energy, electrical, mechanical, and plumbing drawings and calculations. Prior to the issuance of the overall project construction permit, a conditions of approval review meeting must be held in city hall, which meeting must be attended by the on-site field superintendent(s). The meeting will not be held without the attendance of the on-site field superintendent(s). The on-site grading permit shall be a separate permit application to the Building Division.

#### **DURING CONSTRUCTION**

BD5. **Temporary Certificates of Occupancy.** Temporary Certificates of Occupancy (TCO) will not be routinely issued and will be considered on a very limited basis only when there is a clear and compelling reason for city staff to consider a TCO. A TCO will be approved only after all applicable City staff have approved in writing; Planning, P.W./ Engineering, Fire Prev., Santa Clara Water, Silicon Valley Power, and any other applicable agencies such as the Santa Clara County Health Dept., with the Building Division being the final approval of all TCO.'s.

#### **COMMUNITY DEVELOPMENT - HOUSING DIVISION**

H1. **Patrick Henry Specific Plan (Residential Rental Project 10 or More Units.** In accordance with the Santa Clara City Code chapter 17.40, this project is subject to the affordable housing requirements and impact fee for the proposed 284 units rental residential development.

The Applicant shall provide not less than fifteen percent (15%) of the units (42.6 units) to affordable households made available at affordable rental prices to households at fifty percent (50%) of Area Median Income (AMI), eighty percent (80%) of AMI and one hundred twenty percent (120%) of AMI. The 15% affordable units shall be split equally between the three affordability levels provided. This means 14.2 units shall be provided at each AMI (50%, 80% and 120%). For the fractional unit of .6, the project may pay an in-lieu fee of \$112,118.80 or provide a full unit at 50% AMI. Affordable units shall be reasonably dispersed throughout the project and shall on average contain the same number of bedrooms and shall be comparable to the design of the market-rate units in terms of appearance, material and finished quality of the market rate units in the project. Affordable units shall have the same access to the project amenities and recreational facilities as market-rate units.

Prior to issuance of Building Permits, the Developer shall enter into an Affordable Housing Agreement (AHA) with the City that will determine the affordable rents and apply all terms and covenants guaranteeing the prescribed affordability, to the satisfaction of the Director of Community Development. Satisfaction of the affordable housing obligation shall be memorialized in the AHA and subject to City Council approval. There will be a fee for the AHA preparation in the amount of \$5,868 that will be due prior to execution of the AHA. Additionally, there is an annual monitoring fee per affordable unit in the amount \$127. Please note all fees are based on the current Municipal Fee Schedule in effect at the time the project is approved and must be paid prior to the issuance of the occupancy certificate for the project.

## **FIRE DEPARTMENT**

### **DESIGN / PERFORMANCE—PRIOR TO BUILDING PERMIT ISSUANCE**

- F1. **Hazmat Clearance.** Prior to any Building Permit issuance, Hazardous Materials Closure (HMCP) is required as applicable: This is a permit issued by the Santa Clara Fire Department, Fire Prevention & Hazardous Materials Division. Hazardous materials closure plans are required for businesses that used, handled or stored hazardous materials. While required prior to closing a business this is not always done by the business owner, and therefore should be part of the developer's due diligence. The hazardous materials closure plans demonstrate that hazardous materials which were stored, dispensed, handled or used in the facility/business are safely transported, disposed of or reused in a manner that eliminates any threat to public health and environment.
- F1. **Hazmat Clearance.** Prior to any Building Permit Issuance, a Phase II environmental assessment is required to be submitted to CRRD for review. If hazards are present that require site mitigation, cleanup, or management of chemical contaminants in soil, soil vapor, or groundwater a separate permit from one of the regulatory agencies below will be required. The type and extent of contamination on site(s) will govern which of the regulatory agencies noted below can supervise the cleanup: Department of Toxic Substances Control (DTSC); State Water Resources Control Board; or Santa Clara County, Department of Environmental Health.

If the project intends to contract with a State or County Agency for onsite/offsite environmental remediation activities the following documentation shall be provided to the Fire Prevention & Hazardous Materials Division prior to issuance of a Building Permit for demolition or grading: Oversight agency case number; and Oversight managers contact name, phone number.

For smaller projects that are not moving soil at all, a Phase I environmental assessment may be adequate. Please contact Assistant Fire Marshal Fred Chun at [fchun@santaclaraca.gov](mailto:fchun@santaclaraca.gov) for more information.

- F2. **Fire Flow Requirement.** Prior to Building Permit Issuance, provide documentation from the City of Santa Clara Water & Sewer Department that the minimum required fire-flow

can be met. Fire Department fire-flow will be based on the current California Fire Code. The most restrictive departments requirement shall apply.

- F3. **Fire Hydrants.** Prior to Building Permit Issuance, building plans shall show the required number, location and distribution of fire hydrants for the buildings will be based on the current California Fire Code, Appendix C as amended. The required number of fire hydrants will be based on the fire-flow before the reduction for fire sprinklers. Both public and private fire hydrants may be required.
- F4. **Fire Department Access.** Prior to Building Permit Issuance, a five-foot all-weather perimeter pathway around the entire perimeter of the buildings to facilitate firefighter access is required to be incorporated into the Building permit submittal.
- F5. **Fire Department Access.** Prior to the issuance of the Building Permit, approval for fire department apparatus access roads is required. Roadways must be provided to comply with all the following requirements:

- Fire apparatus access roadways shall be provided so that the exterior walls of the first story of the buildings are located not more than 150 feet from fire apparatus access as measured by an approved route around the exterior of each building. In addition, aerial apparatus roadways must be located so aerial apparatus will have clear access to the “entire” face/sides of the building. The minimum number of sides is project-specific and depends on the building configuration, building design, occupancy, and construction type, etc. As part of Building Permit Issuance, an alternative materials, design, and methods of construction and equipment permit application will need to be submitted for review and approval incorporating applicable mitigation measures as determined by the fire department for the lack of compliance. Please note acceptable mitigation methods may have been discussed during the planning stage. Those mitigations are not guaranteed until a formal alternate means permit is submitted concurrently with the Building Plans. Conversely, an acceptable mitigation method may not have been discussed and will be evaluated under an alternate means permit at the building permit stage.
- For underpasses, garages, gates, or anything similar that a Fire apparatus is required to drive under as part of the emergency vehicle access, 16 feet vertical clearance will be required. For all other areas, the “minimum” unobstructed vertical clearance shall not be less than 13 feet 6 inches.

or

- For all other areas, the “minimum” unobstructed vertical clearance shall not be less than 13 feet 6 inches.
- The “minimum” width of aerial roadways for aerial apparatus is 26 feet.
- The minimum inside turning radius shall be 30 feet.

- The “minimum” width of roadways for aerial apparatus is 26 feet. Aerial access roadways shall be located a minimum of 15 feet and a maximum of 30 feet from the protected building. This requirement is only applicable when Appendix D of the Fire Code is enforceable.
- Overhead utility and power lines easements shall not be located over fire apparatus access roads or between the aerial fire apparatus roads and the buildings to avoid the possibility of injury and equipment damage from electrical hazards.
- Fire apparatus access roadways shall be all-weather surface(s) designed to support a gross vehicle weight of 75,000-pounds.
- Trees at full development must not exceed 30 feet in height and not impair aerials apparatus operations to sweep opposing sides of a building. Other obstructions such as site lighting, bio-retention, and architectural features are reviewed case-by-case to ensure they do not obstruct aerial and ground ladder access.
- Traffic control/calming devices are not permitted on any designated fire access roadway unless approved. A separate Fire Department permit is required for any barrier devices installed along fire department apparatus access roads.

Prior to any Building Department Issuance, all fire department apparatus access roadways on private property are required to “be recorded” with the County of Santa Clara as Emergency Vehicle Access Easements (EVAE’s) and reviewed by the Fire Department. No other instruments will be considered as substitutions such as P.U.E, Ingress/Egress easements and/or City Right-of-Ways.

- F6. **Emergency Responder Radio Coverage System.** Prior to Building Permit Issuance, provisions shall be made for Emergency Responder Radio Coverage System (ERRCS) equipment, including but not limited to pathway survivability in accordance with Santa Clara Emergency Responder Radio Coverage System Standard.
- F7. **Fire Department Access.** Prior to the start of construction, roadways and water supplies for fire protection are required to be installed and made serviceable and maintained throughout the course of construction.
- F8. **Fire Department Access.** Prior to issuance of the Building Permit, a gate permit is required to be obtained. Openings for access gates located across fire apparatus access roads shall be a minimum of 20 feet of clear width. Gates shall also be provided with a minimum unobstructed vertical clearance of 16-feet. All gates installed on designated fire department access roads must be electrically automatic powered gates. Gates shall be provided with an emergency power or be of a fail-safe design, allowing the gate to be pushed open without the use of special knowledge or equipment. A Tomar Strobe Switch or 3M Opticom detector shall be installed to control the automatic gate(s) to allow emergency vehicles (e.g., fire, police, ems). Said device shall be mounted at a minimum height of eight to ten feet (8’ - 10’) above grade.

- F9. **Alternative Means and Methods.** Prior to any Building Permit issuance, an alternate means or methods permits to mitigate any code deficiency must be submitted and approved. Please submit this permit concurrently with the building plans. Please note specific mitigations may have been discussed during the planning process. None of these discussions are binding and can only be formally approved through submitting an AMMR permit. The AMMR permit is formally documenting that and still needs to be submitted.
- F10. **Hazmat Information.** Prior to Building Permit Issuance, a Hazardous Materials Inventory Statement including refrigerants is required to be submitted and reviewed with the Building Permit if applicable.
- F11. **Fire Safety During Construction.** Prior to Building Permit Issuance, a permit for Construction Safety & Demolition shall be submitted to the fire department for review and approval in compliance with our Construction Safety & Demolition standard.

#### **DURING CONSTRUCTION – PRIOR TO OCCUPANCY**

- F12. **Shared Fire Protection Features that Cross Property Lines.** Prior to Building Permit Final, any EVAEs or fire protection equipment (including but not limited to fire service undergrounds, sprinkler piping, fire alarm equipment, fire pumps, ERRCS) that cross property lines or is not located on the parcel of the building it serves shall have a CC&R legally recorded detailing who is responsible for maintenance and repair of the EVAE or fire protection equipment.
- F13. **Fire Protection Systems Before Occupancy.** Prior to any Certificate of Occupancy Issuance (temporary or permanent), fire-life safety systems installations must be fully installed, functional, and approved.

#### **Special Conditions for Patrick Henry Specific Plan**

- F14. Prior to issuance of the Certificate of Occupancy, the Developer shall deposit with the City \$2,301,050 for the City's purchase of a tractor-drawn aerial apparatus in accordance with the Patrick Henry Specific Plan Area Infrastructure Impact Fee Nexus Study and Fire Department requirements (Ordinance No.2046). The City shall then use these funds to procure and purchase the tractor-drawn aerial referenced above so that there is no delay in issuing a Certificate of Occupancy for the Developer's Project. The Developer is not obligated to directly purchase, procure or acquire the apparatus or associated equipment. This condition will be satisfied once the Developer has paid the \$2,301,050 to the City. The Developer shall be eligible to receive a Certificate of Occupancy or any other permit or approval conditioned upon payment. The amount of \$2,301,050 is subject to the same annual escalator used for the Patrick Henry Drive Specific Plan Infrastructure Fee. Any reimbursement or credit sought will be communicated to and handled by DPW and follow city established practices and policies.

#### **PARKS & RECREATION DEPARTMENT**

- PR1. **Park Impact Fees.** This memo assumes the Project is not a subdivision and the Mitigation Fee Act (MFA) provisions will apply. Although a Vesting Tentative Map was filed, it was filed to create a separate parcel for the proposed public park to be dedicated to the City. The project will generate an estimated 682 residents (2.4 persons/household x 284 units). Based on the MFA standard of 2.6 acres/1000 residents, the amount of public parkland required for this Project to mitigate the impact of the new resident demand is approximately 1.7722-acres. The equivalent fee due in lieu of parkland dedication prior to eligible credits would be \$10,680,956.



- PR2. Any in-lieu fees imposed under Chapter 17.35 shall be due and payable to the City prior to issuance of a building permit for each dwelling unit.
- PR3. Calculations may change if the number of units change and/or if any areas do not conform to the Ordinance and City Code Chapter 17.35.
- PR4. Developer to dedicate a public park in fee title to the City to help mitigate the impact of the new resident demand. The park parcel should be free of encumbrances. Per the Patrick Henry Drive Specific Plan (Specific Plan), the land value of the dedicated park may be reduced due to encumbrances and items required in City Code.
- PR5. The City acknowledges that for this project, the requirement for 3 of the 8 elements has been met, and the City will agree to accept the turfed play field with an area totaling 6,957 sq. ft.
- PR6. **Building Permit - Payment of In-Lieu Fees.** Developer proposes to dedicate a 0.559-acre (24,370sf) park with the following easements/encumbrances that restrict the uses of the park and affect the value of the land:
- a. PG&E easement that is 15-foot wide and totals 2,361sf (0.0542-ac).
  - b. Riparian Mitigation Measure that is approximately 67-foot wide by 91-foot wide on the west side because the developer and its consultant determined they were unable to locate any off-site options - 6,098sf area (0.1400-ac).
  - c. A new joint trench line in the sidewalk.
  - d. A pad mounted transformer.
  - e. A switch vault - 144sf.
  - f. Set back requirements for the transformer and switch vault.
- PR7. Due to the location of the residential building, the project requires mitigation. It is the City's understanding that the developer has been unable to secure mitigation offsite and the City has agreed to accept the mitigation onsite. Given this concession, no additional credit will be provided. The City will accept the easements noted above in the park parcel to meet the requirement of the PHD Specific Plan. In exchange for accepting these restrictions, (1) both the area of the PG&E easement and the area of the riparian mitigation will be deducted from the acreage eligible for parkland credit and (2) the developer will maintain the park parcel for the life of the park at Developer's sole cost (also outlined in the Specific Plan). Therefore, the area of the dedicated park parcel eligible for park credit is 15,911 sq. ft. (0.3653-acres).
- PR8. **Building Permit - Payment of In-Lieu Fees.** The balance of the fees due in lieu of parkland dedication is \$8,916,557.
- PR9. The public park design must follow the public input/design review and approval process and meet the Department's "Park Amenity & Design Standards" and the City standards. Due to the nature of the changes to the park, the developer will be required to return to the Parks & Recreation Commission (PRC).
- PR10. After Council's review and approval of the park design, Developer shall arrange a premeeting with this department to review next steps and the schedule for design development (DD) and construction documents (CD) plan reviews. Park construction plans will then be submitted through Accela, the City's Permitting Online Portal, before construction can begin.
- PR11. Developer to enter into a Park Improvement Agreement with the City. An updated template will be provided by this Department. The Agreement will require City Council review and approval. Once Council approves the Agreement, it will be recorded with the County of Santa Clara before park construction can begin.

- PR12. Developer to enter into a Park Maintenance Agreement with the City to maintain the park for the life of the park per the Specific Plan and in exchange for accepting all easements and riparian mitigation requirements within the park parcel. Should there be a Community Facility District formed for this Specific Plan area, the maintenance responsibilities can be revisited.
- PR13. **Building Permit - Dwelling Unit Tax.** Dwelling Unit Tax. A dwelling unit tax (DUT) is also due based on the number of units and additional bedrooms per City Code Chapter 3.15. The Project mix includes 31 studio units, 160 one-bedroom units, and 93 two-bedroom units, for a total DUT of \$4,725.

## **PUBLIC WORKS DEPARTMENT - ENGINEERING**

- E1. **Site Clearance.** Obtain site clearance through Public Works Department prior to issuance of Building Permit. Site clearance will require payment of applicable development fees. Other requirements may be identified for compliance during the site clearance process. Contact Public Works Department at (408) 615-3000 for further information.
- E2. **Site Clearance.** Patrick Henry Drive Specific Plan Public Infrastructure Fee
- This Project is subject to the Patrick Henry Drive Specific Plan Public Infrastructure Fee (Infrastructure Fee) which shall be used to fund the construction of Patrick Henry Drive Specific Plan Public Infrastructure (PHD Public Infrastructure). The Infrastructure Fee is to be based on a per new residential unit and new office square footage basis, is subject to annual escalation per the Engineering News Record and is due prior to the issuance of Building Permits.
  - If PHD Public Infrastructure is constructed, provided, or paid for by the developer, the City will credit the developer for those items when determining the final Infrastructure Fee due. PHD Public Infrastructure improvements are to be included within the Encroachment Permit issued for the Project.
  - If the amount of PHD Public Infrastructure is greater than the amount of Infrastructure Fee required for this project, the City and Developer will enter into an agreement for the City to reimburse the developer the difference in cost. This Agreement is subject to approval by the City Council and reimbursement to the developer is also subject to the availability of funds within the Patrick Henry Drive Infrastructure Fee Fund.
- E3. **Site Clearance.** If the developer submits for a Building Permit that causes the total dwelling units to equal or exceed 1,886 dwelling units for the total Building Permit submittals of dwelling units within the entire Patrick Henry Drive Specific Plan area, the developer shall construct the sanitary sewer improvements to move the flow to Great America Parkway via Patrick Henry Drive (including the Great America Parkway upsizing and lowering). The sanitary sewer improvements shall be completed and placed into service prior to developer submitting any request for occupancy.
- E4. **Easement.** Obtain City Council approval of a resolution ordering vacation of existing public easement(s) proposed to be abandoned, if any, through Public Works Department, and pay all appropriate fees, prior to start of construction.
- E5. **Subdivision Map.** After City Council approval of the Tentative Map, submit the Subdivision Map, prepared by a Licensed Land Surveyor or a Registered Civil Engineer with Land Surveyor privileges to the Engineering Department. The submittal shall include a title report, closure calculations, and all appropriate fees. Subdivision map shall be recorded prior to building permit issuance.
- E6. **Design.** Developer shall provide the overall design (construction ready drawings) and phasing recommendations of the Patrick Henry Drive Specific Plan area sanitary sewer

infrastructure system (including the Great America Parkway upsizing and lowering) improvements prior to building permit issuance. Design and phasing recommendations shall include, but not be limited to, the following:

- Intermediate design submissions at 60%, 90%, and 100% for City review and comment.
- Phasing plan for the build out of the work (include sanitary sewer lateral reconnection for proposed and existing properties).
- Sewer design may result in additional utility relocation and shall be considered during design.
- Layout of all utilities within the PHDSP area will be necessary.

Sanitary sewer design work is eligible for reimbursement up to 15% of the construction value via the Patrick Henry Drive Specific Plan Infrastructure Fee. Developer to meet with the Public Works Department to discuss necessary construction of project specific extents for the sanitary sewer system.

#### **DURING CONSTRUCTION**

- E7. **Encroachment Permit.** All work within the public right-of-way and/or public easement, which is to be performed by the Developer/Owner, the general contractor, and all subcontractors shall be submitted within a Single Encroachment Permit to be reviewed and issued by the City Public Works Department. Issuance of the Encroachment Permit and payment of all appropriate fees shall be completed prior to commencement of work, and all work under the permit shall be completed prior to issuance of occupancy permit.
- E8. **Encroachment Permit.** Submit public improvement/encroachment permit plans prepared in accordance with City Public Works Department procedures which provide for the installation of public improvements directly to the Public Works Department. Plans shall be prepared by a Registered Civil Engineer and approved by the City Engineer prior to approval and recordation of final map and/or issuance of building permits.
- E9. **Encroachment Permit.** Existing non-standard or non-ADA compliant frontage improvements shall be replaced with current City standard frontage improvements as directed by the City Engineer or his designee.
- E10. **Encroachment Permit.** Damaged curb, gutter, and sidewalk within the public right-of-way along property's frontage shall be repaired or replaced (to the nearest score mark) in a manner acceptable to the City Engineer or his designee. The extents of said repair or replacement within the property frontage shall be at the discretion of the City Engineer or his designee.
- E11. **Encroachment Permit.** Developer to meet with the Public Works Department to discuss necessary design and construction of project specific extents for the sanitary sewer system subject to reimbursement via the Patrick Henry Drive Specific Plan Public Infrastructure Fee.
- E12. **Encroachment Permit.** Developer shall provide a complete storm drain study for the 10-year and 100-year storm events. The grading plans shall include the overland release for the 100-year storm event and any localized flooding areas. System improvements, if needed, will be at developer's expense.
- E13. **Encroachment Permit.** All storm drain mains and laterals, sanitary sewer mains and laterals shall be outside the drip line of mature trees or 10' clear of the tree trunk whichever is greater.
- E14. **Encroachment Permit.** Provide root barriers when the drip line of the mature trees covers the sidewalk. Root barriers for sidewalk protection shall be 16' long or extend to drip line of the mature tree, whichever is greater, and be 1.5' deep, and centered on trees. Root

barriers for curb and gutter protection shall be 16' long or extend to drip line of the mature tree, whichever is greater, and be 2' deep, and centered on trees.

- E15. **Easement.** Dedicate required on-site easements for any new public utilities, and/or emergency vehicle access by means of subdivision map or approved instrument at time of development.
- E16. **Easement.** Dedicate sidewalk easements along the project frontage where public sidewalks extend into private property. Sidewalk easements are to be 1' behind proposed back of walk where there is landscaping behind sidewalk. Sidewalk easement where hardscape is behind sidewalk is to be at back-of-walk. Cold joint is required between public sidewalk and private hardscape.
- E17. **Agreement.** If requested, Developer/property owner shall prepare and submit for City approval a maintenance plan for all sidewalk, curb and gutter, landscaping and irrigation system improvements installed within the public right-of-way prior to encroachment permit issuance. Such plan shall include at a minimum, maintenance requirements for trees and shrubs, in acknowledgement of developer's/property owner's obligation under Chapter 12.30 and 17.15.
- E18. **Agreement.** If requested, Developer/property owner shall prepare and submit for City approval a maintenance plan for all public storm water treatment facilities installed within the public right-of-way or public easements prior to encroachment permit issuance.
- E19. **Encroachment Permit.** The half street of Patrick Henry Drive along the project frontage shall be treated with 3" grind and overlay with digouts.

#### **TRAFFIC**

#### **DESIGN—PRIOR TO BUILDING PERMIT ISSUANCE**

- TR1. **Design.** A transportation impact analysis is not required as the project is covered under the Patrick Henry Specific Plan TIA.
- TR2. **Design.** A VMT analysis is not required as the project is covered under the VMT analysis conducted for the Patrick Henry Specific Plan.

#### **DURING CONSTRUCTION**

- TR3. **Encroachment Permit.** Traffic improvements must comply with the City of Santa Clara Standard Specifications for Public Works Construction.
- TR1. **Encroachment Permit.** Project shall comply with all requirements set forth in the Patrick Henry Drive Specific Plan including sidewalk width and bicycle requirements. Frontage along Patrick Henry Drive must include a 20' continuous pedestrian zone with minimum 7' walkway and 5' amenity zone.
- TR2. **Encroachment Permit.** This project triggers improvements at select intersections based on findings per the Patrick Henry Drive Specific Plan TIA. Applicant shall coordinate with the 3000 Patrick Henry Drive applicant for designing and constructing intersection modifications to add a second northbound left-turn lane at the Great America Parkway and Patrick Henry Drive intersection. This improvement also requires re-striping the westbound direction of Patrick Henry Drive between Old Ironsides Drive and Great America Parkway. This improvement is listed as one of the improvements contained within the Patrick Henry Specific Plan Infrastructure Fee that is 100% to be funded by the Specific Plan. This improvement cost shall be applied as a credit towards the PHDSP Infrastructure fees owed by Developer or reimbursed to Developer from Infrastructure proceeds if cost exceeds the Infrastructure fee owed by Developer. The above traffic mitigation improvements shall be completed and placed into service prior to issuance of a certificate of occupancy.

- TR3. **Encroachment Permit.** Improvements within 10 feet of a driveway must be less than 3 feet or greater than 10 feet per City Standard Detail TR-9.
- TR4. **Encroachment Permit.** All proposed driveways shall be constructed per City Standard ST- 8.
- TR5. **Encroachment Permit.** Unused driveways in the public right-of-way shall be replaced with City standard curb, gutter, and sidewalk per City Standard Detail ST-12.
- TR6. **Encroachment Permit.** Upon repaving of Patrick Henry Drive, install two 18-foot travel lanes with 12-foot center turn lane. Remove and transition existing striping outside the paving area to new striping as specified by the Traffic Engineer. Future 8-foot Class IV bike lane, which includes a 3-foot wide buffer zone with bollards, shall be installed with future developments.
- TR7. **Encroachment Permit.** Relocate existing bus stop to south of the proposed signalized intersection of Patrick Henry Drive/New East-West Roadway as shown in the Patrick Henry Drive Specific Plan Figure 4.6.2.1B. Coordinate with VTA, [plan.review@vta.org](mailto:plan.review@vta.org) for relevant standards and improvements required at the new stop. Copy City Planner in email and submit brief description of project and construction plans.
- TR8. **Encroachment Permit.** Project shall implement any improvements identified by VTA at existing bus stops fronting the project site.
- TR9. **Building Permit.** The location and quantity of Class I and Class II bicycle parking shall be placed in accordance with recommendations set forth in the Patrick Henry Drive Specific Plan Section 4.6.3.4 and Section 5.2.4.5.
- TR10. **Building Permit.** Provide trash pick-up on-site.
- TR11. **Building Permit.** Provide loading/unloading zone on-site.

## **STREETS DIVISION**

### Right of Way Landscape

#### **DESIGN/PERFORMANCE PRIOR TO ISSUANCE OF BUILDING PERMIT**

- L1. **Tree Preservations Specifications.** Include [City of Santa Clara Tree Preservation/City Arborist specifications](#) on all improvement plans.
- L2. **Mature Trees.** Identify existing mature trees to be maintained. Prepare a tree protection plans for review and approval by the City prior to any demolition, grading or other earthwork in the vicinity of existing trees on the site.
- L3. **Tree Replacement.** 2:1 tree replacement ratio required for all trees removed from the right-of-way.

#### **DURING CONSTRUCTION OR OPERATION**

- L4. **No Public Root Cutting.** No cutting of any part of **public**, including roots, shall be done without securing prior approval of the City Arborist. Tree trimming/removal shall be done in accordance to the City of Santa Clara Tree Preservation/City Arborist specifications and with direct supervision of a certified arborist (Certification of International Society of Arboriculture).

#### **PRIOR TO FINAL OF BUILDING PERMIT**

- L5. **In Lieu Fee.** If 2:1 replacement ratio cannot be met for removal of right of way landscape trees, tree planting fee must be paid prior to building permit final. This fee can be combined with Community Development Tree Removal Replacement -offsite fee with Department coordination.

### Solid Waste

#### **DESIGN/PERFORMANCE PRIOR TO ISSUANCE OF BUILDING PERMIT**

- SW1. **Post-Construction Solid Waste Generation Estimation and Collection Form.** The applicant shall complete and provide the Post-Construction Solid Waste Generation Estimation and Collection Form, which includes the estimation of trash and recycling materials generated from the project. Use the City's Solid Waste Guidelines for New and Redevelopment Projects as specified by the development type. Contact the Public Works Department at [Environment@SantaClaraCA.gov](mailto:Environment@SantaClaraCA.gov) or (408) 615-3080 for more information.
- SW2. **Site Plan.** The applicant shall provide a site plan showing all proposed locations of solid waste containers, chutes, compactors, trash enclosures and trash staging areas. The site plan shall show the route or access for trash and recycling collectors (trucks) including vertical clearance, turning radius and street/alley widths. All plans shall comply with the City's Solid Waste Guidelines. Solid metal roof, gates and a trench drain shall be installed within the trash enclosure and connected to the on-site sewer system.
- SW3. **Construction Waste Diversion.** For projects that involve construction, demolition or renovation of 5,000 square feet or more, the applicant shall comply with City Code Section 8.25.285 and recycle or divert at least sixty five percent (65%) of materials generated for discard by the project during demolition and construction activities. No building, demolition, or site development permit shall be issued unless and until applicant has submitted a construction and demolition debris materials check-off list. Applicant shall create a Waste Management Plan and submit, for approval, a Construction and Demolition Debris Recycling Report through the City's online tracking tool at <http://santaclara.wastetracking.com/>.
- SW4. **Authorized Service Haulers.** This project is subject to the City's Accumulation, Transportation and Disposal of Solid Waste Ordinance (Chapter 8.25 of the Municipal Codes), which requires the handling and disposal of waste by authorized service haulers. Insert the General Notes for the Construction & Demolition (C&D) Waste Management into construction plans in accordance with the City's municipal codes prior to the issuance of a Building or Grading permit. Provide the Green Halo waste online tracking number to Building staff prior to the issuance of a demolition or building permit.
- SW5. **Exclusive Franchise Hauling Area.** This property falls within the City's exclusive franchise hauling area. The applicant is required to use the City's exclusive franchise hauler and rate structure for any hired debris boxes. Prior to the issuance of a Public Works clearance, the project applicant shall complete and sign the Construction and Demolition (C&D) / Waste Management Rules and Regulations Form.

#### **DURING CONSTRUCTION OR OPERATION**

- SW6. **Waste Generation Tracking.** Applicant to track all waste generated and upload debris tags to GreenHalo for City staff review.

#### **PRIOR TO FINAL OF BUILDING PERMIT**

- SW7. **Weight Tickets.** Prior to obtaining a Temporary or Final Certificate of Occupancy, individual weight tickets for all materials generated for discard or reuse by the project during demolition and construction activities shall be uploaded to Green Halo and submitted for review and approval by Environmental Services. At a minimum two (2) weeks review time is required.

#### Stormwater

#### **DESIGN/PERFORMANCE PRIOR TO ISSUANCE OF BUILDING PERMIT**

- ST1. **Final Stormwater Management Plan.** Prior to City's issuance of Building or Grading Permits, the applicant shall develop a Final Stormwater Management Plan, update the C.3 Data Form, the Special Project Narratives and Worksheet (as appropriate), and an Erosion and Sediment Control Plan.

- ST2. **3<sup>rd</sup> Party Review of Final Stormwater Management Plan.** The Final Stormwater Management Plan and all associated calculations shall be reviewed and certified by a qualified 3<sup>rd</sup> party consultant from the SCVURPPP List of Qualified Consultants, and a 3<sup>rd</sup> party review letter (on design) shall be submitted with the Plan.
- ST3. **Notice of Intent.** For project that disturbs a land area of one acre or more, the applicant shall provide a copy of the Notice of Intent (NOI) with WDID number for coverage under the State Construction General Permit. Active projects with NOI will be inspected by the City once per month during the wet season (October – April).
- ST4. **Best Management Practices.** The applicant shall incorporate Best Management Practices (BMPs) into construction plans and incorporate post-construction water runoff measures into project plans. Include the SCVURPPP Countywide Construction BMPs Plan Sheet with the plans. Applicant to add Source control measures with designations from C.3 stormwater handbook, Appendix H.
- ST5. **C.3 Treatment Facilities Construction Notes.** Include the C.3 Treatment Facilities Construction Notes on the Improvement Plans and/or Stormwater Control Plans.
- ST6. **Decorative & Recreational Water Features.** Decorative and recreational water features such as fountains, pools, and ponds shall be designed and constructed to drain to the sanitary sewer system only.
- ST7. **Interior Floor Drains.** Interior floor drains shall be plumbed to the sanitary sewer system and not connected to the City's storm drain system.
- ST8. **Trash Enclosure Floor Drains.** Floor drains within trash enclosures shall be plumbed to the sanitary sewer system and not connected to the City's storm drain system.
- ST9. **Architectural Copper.** The use of architectural copper is prohibited.

#### **DURING CONSTRUCTION OR OPERATION**

- ST10. **Biotreatment Soil Media.** Applicant shall install biotreatment soil media that meets the minimum specifications as set forth in the SCVURPPP C.3 Stormwater Handbook. If percolation rate test of the biotreatment soil mix is not performed on-site, a certification letter from the supplier verifying that the soil meets the specified mix (the date of such document shall not be older than 3 months).
- ST11. **Stormwater Control Measure Inspection.** At critical construction phases, all stormwater control measures shall be inspected for conformance to approved plans by a qualified 3<sup>rd</sup> party consultant from the SCVURPPP List of Qualified Consultants.
- ST12. **Inspections.** Permeable Pavement, Media Filter vaults, and Trash Full Capture Devices shall be inspected by a 3<sup>rd</sup> party reviewer and/or manufacturer representative for conformance with the details and specifications of the approved plans. All new pervious concrete and porous asphalt pavements should have a minimum surface infiltration rate of 100 in./hr. as described in the SCVURPPP C.3 Handbook. A map displaying the number, location and details of full trash capture devices shall be prepared as an attachment to the Operations and Maintenance (O&M) Agreement with the City.
- ST13. **Stormwater Treatment Facilities.** Stormwater treatment facilities must be designed, installed, and maintained to achieve the site design measures throughout their life in accordance to the SCVURPPP C.3 Stormwater Handbook (Chapter 6 and Appendix C).
- ST14. **Amendments to Operation & Maintenance Agreement.** Any site design measures used to reduce the size of stormwater treatment measures shall not be installed for the project without the written approval from the City, installing the corresponding resizing of other stormwater treatment measures and an amendment of the property's O&M Agreement.
- ST15. **Stormwater Pollution Prevention Messaging.** Developer shall install an appropriate stormwater pollution prevention message such as "No Dumping – Flows to Bay" on any storm drains located on private property.

- ST16. **Outdoor Storage Areas.** All outdoor equipment and materials storage areas shall be covered and/or bermed, or otherwise designed to limit the potential for runoff to contact pollutants.

#### **PRIOR TO FINAL OF BUILDING PERMIT**

- ST17. **As-Built Drawings.** As-Built drawing shall be submitted to the Public Works Department.
- ST18. **3<sup>rd</sup> Party Concurrence Letter.** 3<sup>rd</sup> Party concurrence letter on the C.3 facilities construction shall be submitted to the Public Works Department. The letter shall be prepared by a 3<sup>rd</sup> party consultant from the SCVURPPP List of Qualified Consultants. The City reserves the right to review the 3<sup>rd</sup> party inspection report on the C.3 stormwater facility installation.
- ST19. **Final C.3 Inspection.** Applicant shall schedule and City shall conduct a final C.3 inspection.
- ST20. **Operation & Maintenance Agreement.** The property owner shall enter into an Operation and Maintenance (O&M) Agreement with the City for all installed stormwater treatment measures and full trash capture devices in perpetuity. Applicants should contact Public Works Dept. - Environmental Services at (408) 615-3080 or [Street@SantaClaraCA.gov](mailto:Street@SantaClaraCA.gov) for assistance completing the Agreement. For more information and to download the most recent version of the O&M Agreement, visit the City's stormwater resources website at <http://santaclaraca.gov/stormwater>. Inspection of permeable pavement, media filter vaults and full trash capture devices is to be done annually by December 31 of each year.

#### **SILICON VALLEY POWER**

##### **GENERAL**

- SVP1. **Applicant Design Process:** available to Applicants to expedite distribution electric substructure design.
- SVP2. **SVP Rules and Regulations:** Applicant shall comply with all applicable SVP rules, regulations, standards, guidelines, and requirements, as may be amended from time to time.
- SVP3. **SVP Equipment Clearances:**
- a. **Access Doors:** Ten (10) foot minimum clearance in front of equipment access doors.
  - b. **Pad Sides:** Five (5) foot minimum clearance from pad on sides without access doors.
  - c. **Truck Access:** Eighteen (18) foot minimum width on one side of the equipment pad for truck access.
  - d. **Barrier pipes:** (on sides accessible to vehicles)
    - i. Thirty (30) inches from equipment sides.
    - ii. Forty-Eight (48) inches in front of access doors. (use removable bollards)
- SVP4. **SVP Conduit Clearances:**
- a. **Longitudinal:** Five (5) foot minimum between new conduits/piping and existing/proposed SVP conduits.
  - b. **Vertical:** Twelve (12) inch minimum between new conduit/pipes perpendicular to existing SVP conduits.
  - c. **Poles/Posts:** Three (3) foot six (6) inches clearance required from poles (electrolier, guy stub, service clearance, self-supporting steel, and light poles),



except for riser conduits. This is reduced to a three (3) foot minimum for posts (signposts, barrier pipes, bollards, fence posts, and other similar posts).

- d. **Structures:** Five (5) foot minimum is required from walls, footings, retaining walls, landscape planter, or similar permanent structures.
- e. **Subsurface Facilities:** Five (5) foot minimum from new splice boxes, pull boxes, manholes, vaults, or similar subsurface facilities.
- f. **Fire Hydrant:** Five (5) foot minimum from fire hydrant thrust block. (Extends 5 feet on either side of the hydrant in line with the radial water pipe connected to the hydrant).

SVP5. **SVP Vault/Manhole Clearances:**

- a. Ten (10) foot minimum between adjacent Vaults or Manholes.
- b. Three (3) foot minimum from face of curb. (bollards required for vaults).

SVP6. **SVP Guy Anchor Clearances:** Five (5) foot minimum clearance is required between the center of anchor line and any excavation area.

SVP7. **Tree Clearances:**

- a. **Conduits:** Five (5) foot minimum to tree root barrier or other subsurface wall or structure.
- b. **Equipment:** Five (5) foot minimum to tree root barrier. The tree canopy drip line cannot be over the SVP equipment.
- c. **Subsurface Facilities:** Five (5) foot minimum to any electric department facilities. Any existing trees in conflict will have to be removed.
- d. **Easements:** No trees shall be planted in SVP's U.G.E.E or P.U.E's.
- e. **Transformer & Switch Placement:** these devices and pads may only be located outdoors. Clearances to buildings are defined in UG1225. All projects are to assume mineral oil fluid, unless otherwise approved by SVP.

SVP8. **SVP Standards.** Applicant shall comply with the following SVP standards (as may be amended or supplemented).

- a. UG1000 - Installation of Underground Substructures by Developers
- b. UG1250 – Encroachment Permit Clearances from Electric Facilities
- c. UG0339 – Remote Switch Pad
- d. OH1230 – Tree Clearances from Overhead Electric Lines
- e. SD1235 – Tree Planting Requirements Near Underground Electric Facilities
- f. UG1225 – Pad mounted Equipment Clearances and Protection
- g. UG0250 – High Density Residential Metering Requirements
- h. FO-1901 – Fiber Optic Splicing and Testing Methods
- i. SVP Rules and Regulations – Latest Edition

SVP9. **SVP Standards, Miscellaneous:**

- a. In the case of podium-style construction, all SVP facilities and conduit systems must be located on solid ground (aka “real dirt”) and cannot be supported on parking garage ceilings or placed on top of structures.
- b. No splice boxes are allowed between the SVP utility connection point and the applicants main switch board.
- c. SVP does not utilize any sub-surface (below grade) devices in its system. This includes transformers, switches, etc.

SVP10. **Meter Locations:**

- a. For condominium or apartment, all electric meters and service disconnects shall be grouped at one location, outside of the building or in a accessible utility room. If they are townhomes or single-family residences, then each unit shall have its own meter, located on the structure. A double hasp locking arrangement shall be provided on the main switchboard door(s). Utility room door(s) shall have a double hasp locking arrangement or a lock box shall be provided. Utility room door(s) shall not be alarmed.
- b. All interior meter rooms at ground level are to have direct, outside access through only ONE door. Interior electric rooms must be enclosed in a dedicated electric room and cannot be in an open warehouse or office space.

SVP11. **Underground Service Entrance**

- a. (277/480V Service or Lower) Underground service entrance conduits and conductors shall be “privately” owned, maintained, and installed per City Building Inspection Division Codes to the SVP defined utility connection point.
- b. (12KV Service) SVP terminates cable on the applicant owned switchgear.
- c. No cross-parcel distribution is allowed. SVP service points must be within the parcels that they serve.

SVP12. **Code Sections:**

- a. The Applicant shall provide and install electric facilities per Santa Clara City Code chapter **17.15.210**.
- b. Installation of underground facilities shall be in accordance with City of Santa Clara Electric Department standard UG-1000, latest version, and Santa Clara City Code chapter **17.15.050**.
- c. The applicant shall perform, in accordance with current City standards and specifications, all trenching, backfill, resurfacing, landscaping, conduit, junction boxes, vaults, street light foundations, equipment pads and subsurface housings required for power distribution, street lighting, and signal communication systems, as required by the City in the development of frontage and on-site property. Upon completion of improvements satisfactory to the City, the Applicant will dedicate the improvement to the City subject to City’s acceptance the work. The applicant shall further install at his cost the service facilities, consisting of service wires, cables, conductors, and associated equipment necessary to connect a applicant to the electrical supply system of and by the City. After completion of the facilities installed by the Applicant, the City shall furnish and install all cable, switches, street lighting poles, luminaries, transformers, meters, and other equipment that it deems necessary for the betterment of the system per Santa Clara City Code chapter **17.15.210 (2)**.

SVP13. **Existing Facilities:**

- a. All existing SVP facilities, onsite or offsite, are to remain unless specifically addressed by SVP personnel in a separate document. It is the Applicants responsibility to maintain all clearances from equipment and easements. The Applicant may contact SVP outside of the PCC process for clear definitions of these clearance requirements. Applicant should not assume that SVP will be

removing any existing facilities without detailed design drawings from SVP indicating potential removals. Simply indicating that SVP facilities are to be removed or relocated on conceptual plans does not imply that this action has been approved by SVP.

b. Any relocation of existing electric facilities shall be at Applicants expense.

SVP14. **Generators:** Non-Utility Generator equipment shall not operate in parallel with the electric utility, unless approved and reviewed by the Electric Engineering Division. All switching operations shall be "Open-Transition-Mode", unless specifically authorized by SVP Electric Engineering Division. A Generating Facility Interconnection Application must be submitted with building permit plans. Review process may take several months depending on size and type of generator. No interconnection of a generation facility with SVP is allowed without written authorization from SVP Electric Engineering Division.

### **DESIGN / PERFORMANCE – PRIOR TO ISSUANCE OF BUILDING PERMIT**

SVP1. **Initial Information:** Applicant shall provide a site plan showing all existing utilities, structures, easements, and trees. The applicant shall also include a detailed panel schedule showing all current and proposed electric loads.

SVP2. **SVP Developers Work Drawing:** Applicant shall have a developers work drawing created for the site by either an SVP estimator or through the applicant design process. All SVP standards and clearance requirements as defined in the General Section of the COA's must be met, or variance approvals must be granted by SVP. The developers' work drawing shall include but is not limited to: SVP substructure for primary, low voltage, streetlight, and fiber facilities. SVP facilities may extend off-site to the nearest utility connection point to tie-in with existing infrastructure as deemed necessary by SVP.

SVP3. **Encroachment Permit:** Prior to issuance of Building Permits, the applicant shall submit an encroachment permit application with an **approved** SVP Developers Work Drawing for construction of electric utilities that comply with the latest edition of SVP Standards and Rules and Regulations, Electric Notes, and Electric Standard Details and Specifications.

SVP4. **Applicants Switchgear:** All applicant main switchgear with SVP meters must meet EUSERC standards and be approved by SVP's meter shop prior to ordering. Switchgear for 12KV gear must have batteries sized for 4 hours of operation, no capacitive tripping, and 2 sets of relays, CTs, & PTs for each main. All double ended switchgear with a tie breaker, must include a kirk-key interlock scheme and an SVP provided warning label for the operation of the main tiebreaker.

SVP5. **AMI/Fiber Building Requirements:** All projects implementing high rise metering and multi-floor infrastructure requirements shall meet the requirements outlined in UG 0250 & FO1901.

### **DURING CONSTRUCTION – PRIOR TO OCCUPANCY**

SVP6. **Easements:** Prior to the City's issuance of Building or Grading Permits, the applicant shall provide a dedicated underground electric utility easement (U.G.E.E) around the electric onsite facilities (Not a P.U.E). The electric utility easement shall be a minimum of 10 feet wide around conduit and 5' minimum around equipment and vault/manhole pads. Additionally, the applicant shall submit plans defining existing easements so Electric Division can verify if there are any conflicts with new proposed easements or improvements. The Applicant shall grant to the City, without cost, all easements and/or right of way necessary for serving the property of the Applicant and for the installation of utilities (Santa Clara City Code chapter 17.15.110).

SVP7. **Coordination Study:** For any services taken at 12KV, a coordination study will need to be conducted by the applicant prior to energizing the service.

SVP8. **Applicants Switchgear:** Applicants' switchgear will be inspected on site by SVP to ensure compliance with approved switchgear drawings. Electric meters and main disconnects shall be installed per Silicon Valley Power Standard MS-G7, Rev. 2.

SVP9. **Electric Facilities:** Prior to the City's issuance of Occupancy, the applicant shall construct all electric utilities per the approved SVP Developers Work Drawing. SVP will inspect all electric utility installations and all other improvements encroaching on electric facilities.

SVP10. **Municipal Fees:** Prior to electric service energization, all applicable fees per the City of Santa Clara's Municipal Fee Schedule shall be paid by the applicant.

SVP11. **Costs & Expenses:** Unless expressly stated otherwise or covered by a fee to be paid by the applicant, applicant shall be responsible for all costs and expenses associated with fulfilling these conditions of approval.

#### **OPERATIONAL CONDITIONS – AFTER OCCUPANCY**

SVP12. **Access:** SVP will require 24-hour unobstructed access to all SVP equipment which includes: manholes, transformers, vaults, switches, meters, indoor electrical rooms with SVP owned equipment etc.

#### **WATER & SEWER DEPARTMENT**

##### **DESIGN / PERFORMANCE -- PRIOR TO ISSUANCE OF BUILDING PERMIT**

- W1. **Recycled Water Use.** Pursuant to Chapter 13.15, Water, Article IV. Regulation of Recycled Water Service and Use, of the Municipal Code, the project is required to use recycled water for all non-potable uses where recycled water is made available and where provided for by Recycled Water regulations. This project is required to extend and connect to the City's existing Recycled Water System.
- W2. **Recycled Water Design.** Each Recycled Water land use (irrigation, dual-plumbing, cooling system, industrial processes, etc.) shall have a separate metered service connection to the main. Applicant shall verify separations between all potable/fire lines and recycled water lines, pipe type, pipe depths, equipment types, warning lids, tags and signs.
- W3. **Potable Water Main.** The applicant shall replace the existing 12" AC water main on Patrick Henry Drive with a new 12" DIP pipe water main. The water main replacement shall begin and end at a valve connection and shall extend, at a minimum, the entire length of the property's frontage.
- W4. **Recycled Water Main.** The applicant shall replace the existing recycled water main on Patrick Henry Drive with a 12" DIP water main. The water main replacement shall begin and end at a valve connection and shall extend, at a minimum, the entire length of the property's frontage.
- W5. **Sanitary Sewer Main.** The applicant shall coordinate the onsite and offsite sewer improvements with the PHD Specific Plan sewer study and submit a design for the City's review. This will require the following:
- Design of PHD Sewer: The applicant will be required to design the proposed sanitary sewer for the Patrick Henry Drive Specific Plan if the design has not been commissioned at the time of permit submittal.
  - Construction of Frontage Improvements: The applicant will install the portion of the proposed sewer main along the frontage property.
  - Design of Sewer Lateral: Although, the new sewer lateral for the site shall connect to the existing system until all of the PHD sewer improvements

have been installed, the new sewer lateral shall be designed at an elevation that will allow it to connect to the future PHD Sewer main.

- W6. **Encroachment Permit.** Prior to issuance of Building Permits, the applicant shall submit an encroachment permit application and design plans for construction of water utilities that comply with the latest edition of the Water & Sewer Utilities Water Service and Use Rules and Regulations, Water System Notes, and Water Standard Details and Specifications. In addition, prior to the City's issuance of Occupancy, the applicant shall construct all public water utilities per the approved plans. The Water & Sewer Utilities will inspect all public water utility installations and all other improvements encroaching public water utilities.
- W7. **Utility Design Plans.** Utility Design Plans shall indicate the pipe material and the size of existing water, recycled water and sewer main(s). The plans shall show the nearest existing fire hydrant and the two nearest existing water main line gate valves near the project area. The plans shall show meter and backflow configurations to scale and per City of Santa Clara Water & Sewer Utilities Standard Details. Note that all new water meters and backflow prevention devices shall be located behind the sidewalk in a landscape area. Fire hydrants should be located two feet behind monolithic sidewalk if sidewalk is present; two feet behind face of curb if no sidewalk is present, per City Std Detail 18. The plans shall provide the profile section details for utilities crossing water, sewer, or recycled water mains to ensure a 12" minimum vertical clearance is maintained.
- W8. **Utility Separations.** Applicant shall adhere to and provide a note indicating that all horizontal and vertical clearances comply with State and local regulations. The applicant shall maintain a minimum 12" of vertical clearance at water service crossing with other utilities, and all required minimum horizontal clearances from water services: 10' from sanitary sewer utilities, 10' from recycled water utilities, 8' from storm drain utilities, 5' from fire and other water utilities, 3' from abandoned water services, 5' from gas and electric utilities, and 5' from the edge of the propose or existing driveway. For sanitary sewer, water, and recycled water utilities, the applicant shall maintain a minimum horizontal clearance of 10' from existing and proposed trees. If applicant installs tree root barriers, clearance from tree reduces to 5' (clearance must be from the edge of tree root barrier to edge of water facilities). No structures (fencing, foundation, biofiltration swales, etc.) allowed over sanitary sewer, potable water and/or recycled water utilities and easements.
- W9. **Separate Services.** Applicant shall submit plans showing proposed water, recycled water, sanitary sewer, and fire services connected to a public main in the public right-of-way to the satisfaction of the Director of Water & Sewer Utilities. Different types of water and recycled water use (domestic, irrigation, fire) shall be served by separate water services, each separately tapped at the water main. Tapping on existing fire service line(s) is prohibited. Approved backflow prevention device(s) are required on all potable water services.
- W10. **City Standard Meters and Backflows.** All proposed meters and backflows for all water services shall meet the current City of Santa Clara Water & Sewer Utilities Standard Details. Plans shall show meter and backflow configurations to scale.
- W11. **Existing Services.** The applicant must indicate the disposition of all existing water and sewer services and mains on the plans. If the existing services will not be used, then the applicant shall properly abandon these services to the main per Water & Sewer Utilities standards and install a new service to accommodate the water needs of the project. The applicant shall bear the cost of any relocation or abandonment of existing Water

Department facilities required for project construction to the satisfaction of the Director of Water and Sewer Utilities.

- W12. **On-Site Storm Drain Treatment.** Prior to issuance of Building Permit, the applicant shall submit plans showing any onsite storm water treatment system. The plan shall include a section detail of the treatment system. No water, sewer, or recycled water facilities shall be located within 5-feet of any storm water treatment system.
- W13. **Water Usage.** Prior to the issuance of Building Permits, the applicant shall provide documentation of water usage so the Water Division can verify the appropriate size of all proposed water meters. Please note that if the existing water services are incapable of supplying the water needs to the site, the existing services shall be abandoned, and new separate dedicated water services shall be provided for each use (domestic and irrigation).
- W14. **Landscaping.** All the landscaping for the project shall comply with the California Water Conservation in Landscaping Act, Government Code Section 65591 et. seq. All plants shall be either California native or non-invasive, low water-using or moderate water-using plants. High water-using plants and nonfunctional turf are prohibited.
- W15. **Water Features.** Prior to issuance of Building Permits, the applicant shall submit plan details for all water features (including but not limited to fountains and ponds) designed to include provisions for operating the system without City potable water supply and capable of being physically disconnected from source of potable water supply during City declared water conservation periods, to the satisfaction of the Director of the Water & Sewer Utilities. Decorative water features may be permanently connected to the City's recycled water supply.
- W16. **Easements.** Prior to City's issuance of Building or Grading Permits, the applicant shall provide a dedicated water utility easement around the backflow prevention device onsite. The water utility easement for the water services and all other public water appurtenances shall be a minimum 15 feet wide and be adjacent to the public right-of-way without overlapping any public utility easement. Additionally, the applicant shall submit plans defining existing easements so Water Division can verify if there are any conflicts with proposed easements and water utilities.
- W17. **Underground Fire Permit.** Prior to issuance of Building Permits, applicant shall submit an underground fire permit unless otherwise waived by the Fire Department. If fire flow information is needed, applicant shall coordinate with Water and Sewer Utilities Department, for fire flow information at (408)615-2000. A dedicated fire service line, with an approved backflow prevention device, shall be used for on-site fire hydrants. Fire service lines required for commercial and industrial use shall be sized appropriately per fire flow demand and code requirements.

## **DURING CONSTRUCTION**

- W18. **City Standard Meters and Backflow Installation.** No meters or backflows shall be installed prior to establishment of water service account with the Municipal Services Division of the Finance Department. The applicant shall provide a copy of the account information to the Water and Sewer Utilities Department Inspector and Meter Shop prior to installation of any meter or backflow. All meters and backflows approved for installation shall be tested prior to use. Water service connections shall not be used prior to authorization by the Water and Sewer Utilities inspector.
- W19. **Construction Water.** This project shall use recycled water for all construction water needs for onsite and offsite construction.
- W20. **Water Shortage Response Actions.** Pursuant to the City of Santa Clara's Urban Water Management Plan, during times of drought or water shortage, the City implements water shortage response actions in accordance with the level of water shortage declared. All

construction activities and all new irrigation connections are subject to the Water Shortage Response Actions in effect at the time of construction and connection of the irrigation service.

Water Shortage Response Actions for Stage 2 and higher include water use restrictions that limit the use of potable water such as:

- a. prohibiting the installation of new potable water irrigation services, new irrigation connections, construction, and dust control.
- b. restrict the use of potable water used for construction and dust control if recycled water is available.

This project is subject to all the requirements and restrictions of the Water Shortage Response Actions in place or adopted during the duration of the project. For more information, visit the City of Santa Clara Water & Sewer Utilities website at [www.santaclaraca.gov/waterconservation](http://www.santaclaraca.gov/waterconservation).

#### **PRIOR TO FINAL OF BUILDING PERMIT**

- W21. **Record Drawings.** Upon completion of construction and prior to the City's issuance of a Certificate of Occupancy, the applicant shall provide "as-built" drawings of the public water utility infrastructure prepared by a registered civil engineer to the satisfaction of the Director of Water & Sewer Utilities Department.
- W22. **Conditional Releases.** The applicant shall comply with all the requirements of any building permit conditional release requirements.

#### **OPERATIONAL CONDITIONS**

- W23. **Onsite Recycled Water Compliance.** An active onsite recycled water system is a regulated system that must continuously be in compliance with all State, SBWR and City code requirements and regulations. The applicant shall always maintain a certified Site Supervisor and prevent any cross-connections from occurring between the onsite regulated RW system and the other plumbing systems, especially the domestic water system. The Site Supervisor for this site shall work with to the Compliance Division of Water and Sewer Utilities to remain in compliance and report any changes to the regulated system.

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#### **KEY:**

G = General  
P = Planning Division  
BD = Building Division  
H = Housing & Community Services Division  
F = Fire Department  
PR = Parks & Recreation Department  
PD = Police Department  
E = Engineering Division  
Streets Division (Landscape, Solid Waste, and Stormwater)  
L = Landscape  
SW = Solid Waste  
SVP = Silicon Valley Power  
W = Water & Sewer Department

#### **ACKNOWLEDGEMENT AND ACCEPTANCE OF CONDITIONS OF APPROVAL**

*Permittee/Property Owner*

The undersigned agrees to each condition of approval and acknowledges and hereby agrees to use the project property on the terms and conditions set forth in this permit.

Signature: \_\_\_\_\_

Printed Name: \_\_\_\_\_

Relationship to Property: \_\_\_\_\_

Date: \_\_\_\_\_

Pursuant to Santa Clara City Code 18.128.100, the applicant shall return this document to the Department, properly signed and dated, within 30-days following the date of the Acknowledgement.