

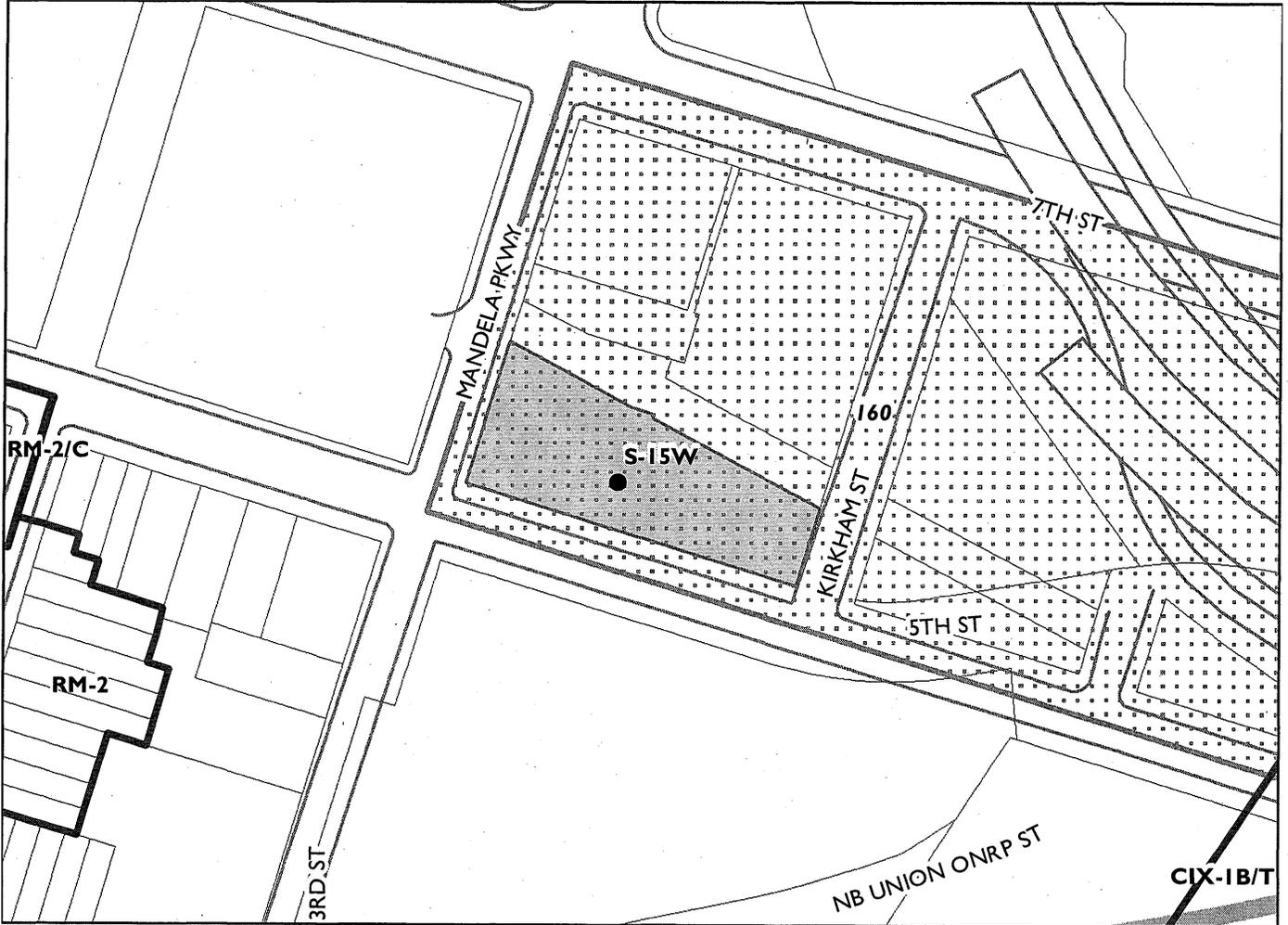
Location:	1396 5th Street (See map on reverse)
Assessors Parcel Numbers:	004-0069-004-00
Proposal:	Construct an eight-story residential building containing 222 dwelling units. The proposal would use the State Affordable Housing Density Bonus and will include 16 units designated as very-low income, and includes the use of a concession for the minimum required parking and development waivers for open space requirements.
Applicant:	Scott Cooper / The Michaels Organization
Owner:	Oakland Housing Investors LP
Planning Permits Required:	Regular Design Review for new construction, Minor Conditional Use Permit for driveway location, and Major Conditional Use Permit for a development project in excess of 100,000 square feet in the S-15 Zone. Tentative Parcel Map to merge the existing lots into one lot.
General Plan:	Community Commercial
Zoning:	S-15 (W)
Environmental Determination:	A detailed CEQA Analysis was prepared for this project which concluded that the proposed project satisfies each of the following CEQA provisions: 15182 – Specific Plan exemption; 15183 - Projects consistent with a community plan, general plan, or zoning; 15183.3 – Qualified In-fill projects; and 15164 – Addendum to the 2014 certified West Oakland Specific Plan EIR; Each of the CEQA provisions provides a separate and independent basis for CEQA compliance.
Historic Status:	Not a historic property
City Council District:	3
Action to be Taken:	Decision on Application
Staff Recommendation:	Approve with the attached conditions.
Finality of Decision:	Appealable to City Council within 10 days
For Further Information:	Contact case planner Peterson Z. Vollmann at 510-238-6167 or by e-mail at pvollmann@oaklandca.gov .

SUMMARY

The Michaels Organization has filed an application with the Bureau of Planning to develop an eight-story residential building that would include 222 dwelling units, 16 of which would be designated as affordable for very-low-income households. The site is located within Opportunity Area 2 (7th Street) of the West Oakland Specific Plan across Mandela Parkway from the West Oakland Bay Area Rapid Transit (BART) Station.

On October 28, 2020, the proposal appeared before the Design Review Committee, during which the Committee recommended design modifications prior to the item moving forward to the full

CITY OF OAKLAND PLANNING COMMISSION



0 100 200 400 600 800 Feet



Case File: PLN20101
Applicant: Scott Cooper / The Michaels Organization
Address: 1396 5th Street
Zone: S-15(W)
Height Area: 160 ft

Planning Commission for consideration. The design recommendations were incorporated into the revised project.

Staff recommends approval, subject to the attached findings and conditions of approval.

PROPERTY DESCRIPTION

The subject property consists of a 38,394 square-foot site located on the north side of 5th Street between Mandela Parkway and Kirkham Street. The northern end of the site is directly adjacent to the BART aerial tracks leading into the West Oakland BART station. The site had previously been entitled for a senior housing development that was subject to a large fire during construction and the remaining structure was subsequently demolished to entirely clear the site.

PROJECT DESCRIPTION

The proposed Project would construct an eight-story residential building containing 222 dwelling units. The residential apartments would be located on the upper seven floors with the ground floor containing the building's residential lobby, tenant amenities and the parking garage with an internal residential loading berth. The applicant is taking advantage of the Affordable Housing Density bonus and would include 16 dwelling units that would be designated as affordable for very-low-income households. The applicant is also looking to include development waivers and concessions allowed with the Affordable Housing Density Bonus Law to allow a reduction to the required parking with a concession, and a reduction to the required open space and courtyard separation through a development waiver.

The ground floor along Mandela Parkway and 5th Street will be activated to provide pedestrian interest by including a large lobby and a number of residential amenity spaces that will provide a presence onto the street. These residential amenity spaces could potentially be converted into commercial spaces in the future. The parking garage access will be provided on the eastern side of the site off Kirkham Street. The building will back up to the BART aerial and contain a landscaped setback to meet the BART requirements and the building wall will be set up to accommodate the public art for the project.

GENERAL PLAN ANALYSIS

The project site is located within the Community Commercial General Plan land use area. This land use classification is intended to create, maintain, and enhance areas suitable for a wide variety of commercial and institutional operations along the City's major corridors and in shopping districts and centers.

Among the General Plan Land Use and Transportation policies and objectives applicable to the proposed Project, and which the Project conforms with, are the following:

Policy T2.2 – Guiding Transit Oriented Development – Transit Oriented Development should be pedestrian oriented, encourage night and day time use, provide the neighborhood with needed goods and

services, contain a mix of land uses, and be designed to be compatible with the character of surrounding neighborhoods.

Policy N3.1 – Facilitating Housing Construction – Facilitating the construction of housing units should be considered a high priority for the City of Oakland.

Policy N3.2 – Encourage In-fill Development – In order to facilitate the construction of needed housing units, in-fill development that is consistent with the General Plan should take place throughout the City of Oakland.

Policy N8.1 – Developing Transit Villages – “Transit Village” areas should consist of attached multi-story development on properties near or adjacent to BART Stations or other well-used or high-volume transit facilities, such as light rail, train, ferry stations or multiple-bus transfer locations. While residential units should be encouraged as part of any transit village, other uses may be included where they will not negatively affect the residential living environment.

The proposed Project is consistent/conforms with the above referenced policies and objectives and the general intent of Community Commercial land use designations by constructing a high-density residential building with within close proximity across the street from the West Oakland BART Station. The proposed ground floor will also provide a visually active residential amenity space to enhance the pedestrian environment, which in the future could potentially be converted to commercial space should the market demand warrant such conversion.

West Oakland Specific Plan

The West Oakland Specific Plan provides the guiding framework for realizing the vision of a healthy, vibrant West Oakland. It reflects the desires and aspirations of a wide range of community members, stakeholders, steering committee participants, City staff, and the Planning Commission and City Council. The objectives of the Specific Plan are to bring to life the community’s longstanding vision for a West Oakland that contains viable employment opportunities, provides needed goods and services, supports abundant and affordable housing resources, and facilitates sustainable development. The Specific Plan provides guidelines and development standards that support this vision; and includes an implementation action plan to systematically achieve its key objectives. In the West Oakland Specific Plan, the project site is located in Subarea 2A of the 7th Street Opportunity Area and is one of several parcels identified as site #23, which contemplated higher-density housing, commercial office, and government/institutional office space around the core of the BART Station.

Among the Specific Plan goals and policies applicable to the proposed Project, and which the Project conforms with, are the following:

- Intent: Implement the City’s long-term vision for a Transit-Oriented Development (TOD) project at the West Oakland BART station, in the area generally coinciding with the boundaries of the City’s existing S-15 Transit Oriented Development Zone.
- 7th Street TOD Env-2: The new buildings envisioned to surround the West Oakland BART station as part of the TOD project are expected to provide a noticeable and significant noise buffer between portions of both the freeway and the BART tracks, and

existing residential neighborhoods. The noise attenuation benefits from the proposed new buildings should be fully considered in final designs for these structures.

The project is consistent with the above-mentioned goals and policies and the Development Program analyzed in the WOSP EIR for the 7th Street Opportunity Area, which anticipated up to 2,839 residential units and 170,000 square feet of low-intensity industrial and business space. The number of residential units are within the range described in the Development Program and consistent with the buildout remaining for the 7th Street Opportunity Area. The proposal includes a number of active residential amenity spaces along Mandela Parkway and 5th Street to enhance the pedestrian environment along with streetscape improvements, which contain adequate ceiling height and depth so that the spaces could potentially be converted to commercial uses in the future. The building will also abut the existing BART aerial structure which will provide a level of noise buffering for the residential neighborhood to the south.

ZONING ANALYSIS

The subject property is located within the S-15 W Transit Oriented Development Commercial Zone (“W” being designated to the S-15 Zone in West Oakland established through the West Oakland Specific Plan). The Transit-Oriented Development (S-15) Zones are intended to create, preserve and enhance areas devoted primarily to serve multiple modes of transportation and to feature high-density residential, commercial, and mixed-use developments to encourage a balance of pedestrian-oriented activities, transit opportunities, and concentrated development; and encourage a safe and pleasant pedestrian environment near transit stations by allowing a mixture of Residential, Civic, Commercial, and Light Industrial Activities, allowing for amenities such as benches, kiosks, lighting, and outdoor cafes; and by limiting conflicts between vehicles and pedestrians, and is typically appropriate around transit centers such as BART stations, AC Transit centers, and other transportation nodes.

The site is located within the 160 Height Zone, which allows for a permitted height of 160 feet and residential density of one dwelling unit per 225 square feet of lot area and a commercial FAR of 5.0.

Residential Density

As previously mentioned, the 160-height zone in which the Project site is located allows for a maximum residential density of one dwelling unit per 225 square feet of lot area. The zoning density for the 38,394 square foot lot would allow a maximum of 171 dwelling units. The applicant is looking to apply the Affordable Housing Density Bonus with designating 9% of the baseline dwelling units as affordable to very-low-income households which allows for a density bonus of 30%.

The breakdown of the residential density is explained in the table below.

Site Area	Height Area 160 Density	30% Affordable Bonus (9% very low income)	Total Dwellings Allowed
38,394 square feet	1:225 square feet of site = 171 (170.3)* units	52 (51.3)*	223

* Affordable Housing State Density Bonus Law allows fractional density calculations to round up to the next whole number.

Parking

As stated above the applicant is applying the allowed concession to be applied to the amount of required off-street parking. They have demonstrated a cost savings to the project by avoiding constructing a subterranean garage as required under the Density Bonus law to allow the concession.

Auto and Bike parking is required and proposed as set forth in the following tables below.

Auto Parking			
Use	Amount	Required Auto Parking	Stalls Provided
Residential	0.5 spaces per unit.	222 x 0.5 = 111 stalls (78*)	41

* Note that this requirement is reduced an additional 30% by right due to the site's proximity to transit.

Bike Parking Long Term			
Use	Amount	Required Bike Parking	Provided
Multi-family Residential	222 dwelling units	1:4 dwelling units = 56	56

Bike Parking Short Term			
Use	Amount	Required Bike Parking	Provided
Multi-family Residential	222 dwelling units	1:20 dwelling units = 11	12

Development Waiver for Open Space

The State Affordable Housing Density Bonus Law allows for waivers of development regulations that would preclude the ability to physically develop the proposed density bonus project. The applicant is requesting a waiver to the open space requirements and courtyard separation requirements of the Planning Code in order to develop the density bonus project. The applicant has demonstrated that by designing the project in a manner that would meet the open space requirements under the proposed construction type (limited to 85 feet in height), as the project would need to expand the podium courtyards or upper floor open space which both

would lead to a reduction of the building envelope resulting in the loss of dwelling units. Therefore, the project complies with the standards of being granted the development waiver.

Conditional Use Permits

The proposed project would include more than 100,000 square feet of new floor area, and pursuant to Planning Code Section 17.97.030 a Major Conditional Use Permit is required which requires the approval of the Planning Commission.

Driveway/Parking Location

Planning Code Section 17.97.060 requires a conditional use permit whenever a parking garage, loading berth or driveway located on the ground floor is within 20 feet of a pedestrian walkway or plaza. The project includes ground floor parking and loading with a driveway on Kirkham Street, thus requiring the granting of a conditional use permit. Staff feels that the granting of a conditional use permit is appropriate given that the driveway is located on Kirkham Street, which is the narrowest of the site frontages and creates the least impact onto the pedestrian streetscape, and all loading and parking is located behind active spaces and will not be visible from the public right of way except at the garage entry.

Design Review

The proposed design consists of a podium base that is built out to the street-fronting property lines and set back from the BART aerial structure to the north by 20 feet as required by BART. The podium base includes the ground floor lobby, residential tenant amenities with off-street parking and loading located behind the active facilities fronting the streets. Access to the parking garage would be provided by a driveway located on Kirkham Street.

Floors two through eight of the building would contain the residential dwelling units and would be built out to the street-fronting property except for the two south facing courtyards that provide group open space above the podium level on the second floor. The top floor would also recess at the southwestern corner to allow for additional rooftop open space for use by the residents.

The northern side of the building that faces directly onto the BART aerial structure would consist of a solid wall set back 20 feet, which would shield the dwellings and open space from the frequently passing BART trains. Landscaping, including vertically oriented columnar trees would be provided at the ground level to provide a visual buffer to the building wall at the lower levels while still providing the area necessary for BART employees to access the aerial structure for maintenance. The proposal includes using the northern wall as a location to provide the public art requirement for the project, which would be highly visible to BART passengers and from the street level on Mandela Parkway and Kirkham Street. The public art location would also be visible from 7th Street until the property north of the BART aerial structure is developed.

The proposal is consistent with the WOSP Design Guidelines by building the site out to the street edge to establish a street wall and enhance the pedestrian environment by providing visually open ground floor activities and limiting the visual presence of parking facilities to Kirkham Street where the one driveway for access to the building is proposed. The building will also include two south facing courtyards at the podium level that will create usable open space that is

oriented to the south for maximum solar exposure while also breaking up the building massing at the upper levels. The breaking up of the visual massing will also be enhanced by including a variation of building materials to the facades of three building masses facing south by the use of stucco with architectural bands and a wood composite horizontal siding that wraps the corners of these elevations.

Design Review Committee

As previously mentioned, this item appeared before the Design Review Committee (DRC) on October 28, 2020. The comments at the committee meeting focused on recommendations to the upper levels of the southern façade, the ground floor design, and the northern wall facing the BART aerial structure. The Committee recommended adding visual interest to the upper levels of the southern elevations of the building by incorporating a variation of building materials, which previously was solely a stucco treatment. The applicant has added the use of a wood composite horizontal siding to create this variation. The Committee also focused on design modifications to the ground floor to add more vertical elements to connect the ground floor to the upper levels of the building. There was also discussion that the immediate inclusion of ground floor commercial wasn't absolutely necessary given that the demand for commercial space along 5th Street at this point in time may result in a vacant closed off space, and the immediate focus should be on re-establishing 7th Street as the primary commercial core of the area. The Committee also recommended adding architectural elements to the northern wall facing the BART aerial structure to create visual interest and break down of the massing in addition to the proposed public art wall. All of the recommendations from the Committee have been incorporated into the redesigned proposal before the full Planning Commission.

ENVIRONMENTAL DETERMINATION

The *West Oakland Specific Plan Environmental Impact Report (EIR)* analyzed the environmental impacts of adoption and implementation of the WOSP and, where the level of detail available was sufficient to adequately analyze the potential environmental effects, provided a project-level CEQA review for reasonably foreseeable development. This project-level analysis allows the use of CEQA streamlining and/or tiering provisions for projects developed under the BVDSP.

Applicable CEQA streamlining and/or tiering code sections are described below, each of which, separately and independently, provide a basis for CEQA compliance.

- 1. Specific Plan Exemption.** Public Resources Code Section 21155.4 and CEQA Guidelines Section 15182 allow streamlined environmental review for projects that are consistent with an adopted Specific Plan where the site meets the requirements of being in proximity to transit and none of the conditions for preparation of a subsequent or supplemental EIR pursuant to Section 15162 are satisfied.
- 2. Community Plan Exemption.** Public Resources Code Section 21083.3 and CEQA Guidelines Section 15183 allow streamlined environmental review for projects that are "consistent with the development density established by existing zoning, community plan or general plan policies for which an EIR was certified, except as might be necessary to

examine whether there are project-specific significant effects which are peculiar to the project or its site.” Section 15183(c) specifies that “if an impact is not peculiar to the parcel or to the proposed project, has been addressed as a significant effect in the prior EIR, or can be substantially mitigated by the imposition of uniformly applied development policies or standards..., then an EIR need not be prepared for the project solely on the basis of that impact.”

- 3. Qualified In-fill Exemption.** Public Resources Code Section 21094.5 and CEQA Guidelines Section 15183.3 allow streamlining for certain qualified infill projects by limiting the topics subject to review at the project level, if the effects of infill development have been addressed in a planning level decision, or by uniformly applying development policies or standards. Infill projects are eligible if they are located in an urban area on a site that either has been previously developed or that adjoins existing qualified urban uses on at least 75 percent of the site’s perimeter; satisfy the performance standards provided in CEQA Guidelines Appendix M; and are consistent with the general use designation, density, building intensity, and applicable policies specified for the project area in either a sustainable communities strategy or an alternative planning strategy. No additional environmental review is required if the infill project would not cause any new specific effects or more significant effects, or if uniformly applicable development policies or standards would substantially mitigate such effects.
- 4. Addendum.** Public Resources Code Section 21166 and CEQA Guidelines Section 15164 state that an addendum to a certified EIR is allowed when minor changes or additions are necessary and none of the conditions for preparation of a subsequent EIR or Negative Declaration pursuant to Section 15162 are satisfied.

Note:

*A detailed CEQA Analysis was prepared for the project and was provided under separate cover for review and consideration by the Planning Commission, and is available on the City website at:
<https://cao-94612.s3.amazonaws.com/documents/1396-5th-Street-CEQA-Analysis.pdf>*

CONCLUSION

Staff believes that the proposed project is well designed and helps to implement the vision of the WOSP by the creation of a high-density residential building in very close proximity to the West Oakland BART station and establishing new sidewalks around the site perimeter that enhance the overall pedestrian environment of the area. In addition, the project will add to the City's housing stock including the proposed below market rate units that would be constructed within the project.

- RECOMMENDATIONS:**
1. Affirm staff's environmental determination and adopt the attached CEQA Findings.
 2. Approve the Conditional Use Permits, Design Review and Vesting Tentative Parcel Map subject to the attached findings and conditions.

Prepared by:



PETERSON Z. VOLLMANN
Planner IV

Reviewed by:



CATHERINE PAYNE
Acting Development Planning Manager
Bureau of Planning

Approved for Forwarding to the
City Planning Commission:



ED MANASSE
Deputy Director
Bureau of Planning

ATTACHMENTS:

- A. Findings for Approval
- B. Conditions of Approval
- C. SCA/MMRP from the 1396 5th Street CEQA Analysis Checklist
- D. Project Plans
- E. Tentative Parcel Map

ATTACHMENT A

FINDINGS FOR APPROVAL

This proposal meets all the required Design Review Criteria (Sections 17.136.050) and Conditional Use Permit Criteria (Sections 17.134.050 & 17.97.025) as set forth below and which are required to approve the application. This proposal does not contain characteristics that require denial pursuant to the Tentative Map Findings (Section 16.08.030) and is consistent with the Lot Design Standards (Section 16.24.040) of the Oakland Subdivision Regulations. Required findings are shown in **bold** type; reasons the proposal satisfies them are shown in normal type. (Note: The Project's conformance with the following findings is not limited to the discussion below, but is also included in all discussions in this report and elsewhere in the record).

17.136.050(A) - RESIDENTIAL DESIGN REVIEW CRITERIA:

- 1. The proposed design will create a building or set of buildings that are well related to the surrounding area in their setting, scale, bulk, height, materials, and textures.**

The proposed project is located within the West Oakland Specific Plan (WOSP) 7th Street opportunity area, which has the intent of creating a dense transit-oriented development area that takes advantage of the close proximity to the West Oakland BART station. The proposed building would be consistent with other recently approved buildings within the opportunity area of the specific plan area with regard to bulk, height, materials and textures. The proposal will be built out to the street frontage property lines to establish a street wall in the area and will back up against the BART aerial structure which will help with sound attenuation for the residential neighborhood to the south. The building will contain a tall ground floor with a large amount of transparency to internal active uses that will help to enhance the pedestrian environment of the area. The height of the building will be within the allowed 160-foot height limit at 85 feet and will contain southern facing courtyards that will help to break down the visual bulk of the building. The proposal will incorporate stucco of varying color schemes with raised trim bands to add architectural detail and will also include a wood composite horizontal siding to provide contrast and a modern reflection of the wood siding of older homes in the area.

- 2. The proposed design will protect, preserve, or enhance desirable neighborhood characteristics.**

The proposed design will enhance the desirable neighborhood characteristics by redeveloping the site with a new high-density residential building that creates an active ground floor at the pedestrian level, as envisioned in the WOSP. The proposal will also provide for a dense residential environment in close proximity to the West Oakland BART station to enhance the area as a transit village.

- 3. The proposed design will be sensitive to the topography and landscape.**

The project site is flat and void of any landscaping.

- 4. If situated on a hill, the design and massing of the proposed building relates to the grade of the hill.**

The project site is not located on a hill.

5. **The proposed design conforms in all significant respects with the Oakland General Plan and with any applicable design review guidelines or criteria, district plan or development control map which has been adopted by the Planning Commission or City Council.**

The site is located within the Community Commercial land use classification of the Land Use and Transportation Element (LUTE) of the general Plan and within the West Oakland Specific Plan Area. The proposed development is consistent with the Design Guidelines set forth in the WOSP as well as the City's Corridor Design Guidelines.

The Project is consistent with the following LUTE and Specific Plan goals and policies:

Policy T2.2 – Guiding Transit Oriented Development – Transit Oriented Development should be pedestrian oriented, encourage night and day time use, provide the neighborhood with needed goods and services, contain a mix of land uses, and be designed to be compatible with the character of surrounding neighborhoods.

Policy N3.1 – Facilitating Housing Construction – Facilitating the construction of housing units should be considered a high priority for the City of Oakland.

Policy N3.2 – Encourage In-fill Development – In order to facilitate the construction of needed housing units, in-fill development that is consistent with the General Plan should take place throughout the City of Oakland.

Policy N8.1 – Developing Transit Villages – “Transit Village” areas should consist of attached multi-story development on properties near or adjacent to BART Stations or other well-used or high-volume transit facilities, such as light rail, train, ferry stations or multiple-bus transfer locations. While residential units should be encouraged as part of any transit village, other uses may be included where they will not negatively affect the residential living environment.

Intent: Implement the City's long-term vision for a Transit-Oriented Development (TOD) project at the West Oakland BART station, in the area generally coinciding with the boundaries of the City's existing S-15 Transit Oriented Development Zone.

7th Street TOD Env-2: The new buildings envisioned to surround the West Oakland BART station as part of the TOD project are expected to provide a noticeable and significant noise buffer between portions of both the freeway and the BART tracks, and existing residential neighborhoods. The noise attenuation benefits from the proposed new buildings should be fully considered in final designs for these structures.

The Project is consistent/conforms with the above-mentioned goals and policies by creating a new high density residential development located within the 7th Street opportunity area of the specific plan in close proximity to the West Oakland BART Station across the street. The proposal includes a number of active residential amenity spaces along Mandela Parkway and 5th Street to enhance the pedestrian environment along with streetscape improvements, which contain adequate ceiling height and depth so that the spaces could potentially be converted to commercial uses in the future. The building will also abut the existing BART aerial structure which will provide a level of noise buffering for the residential neighborhood to the south.

SECTION 17.134.050 –CONDITIONAL USE PERMIT FINDINGS:

- 1. That the location, size, design, and operating characteristics of the proposed development will be compatible with, and will not adversely affect, the livability or appropriate development of abutting properties and the surrounding neighborhood, with consideration to be given to harmony in scale, bulk, coverage, and density; to the availability of civic facilities and utilities; to harmful effect, if any upon desirable neighborhood character; to the generation of traffic and the capacity of surrounding streets; and to any other relevant impact of the development.**

The location, size, design and operating characteristics of the proposed Project will be compatible with, and will not adversely affect, the livability or appropriate development of abutting properties and the surrounding neighborhood. The proposed project is consistent with scale, bulk, coverage and density requirements of the General Plan and applicable zoning regulations, and proposed height, scale and bulk of the building is compatible with similar structures constructed and recently approved in the immediate vicinity of the Project site within the 7th Street Opportunity area of the WOSP. The WOSP EIR outlined the potential traffic impacts within the area through the anticipated growth through the adopted plan, mitigations for improvements to intersections throughout the area were included, and each project is required to pay a fair share traffic impact fee that will go towards these future improvements to address traffic concerns.

- 2. That the location, design, and site planning of the proposed development will provide a convenient and functional living, working, shopping, or civic environment, and will be as attractive as the nature of the use and its location and setting warrant.**

The proposal will provide for a functional living environment that will be of a high-quality design located in an area planned for development of the kind proposed by the Project in very close proximity to the West Oakland BART Station as part of creating a transit village as envisioned in the WOSP.

- 3. That the proposed development will enhance the successful operation of the surrounding area in its basic community functions, or will provide an essential service to the community or region.**

The development proposed by the Project will help to fulfill the vision of the WOSP by developing a high-density residential development with an active ground floor along 5th Street to add to the pedestrian vibrancy of the area and help to establish the transit village around the West Oakland BART Station as envisioned by the specific plan. The project will also add needed housing stock for the City including the incorporated below market rate units.

- 4. That the proposal conforms to all applicable design review criteria set forth in the DESIGN REVIEW PROCEDURE of Chapter 17.136 of the Oakland Planning Code.**

The proposed Project does conform to all applicable design review criteria, as described in the Residential Design Review Criteria findings above, which are hereby incorporated by reference.

5. **That the proposal conforms in all significant respects with the Oakland General Plan and with any other applicable plan or development control map which has been adopted by the City Council.**

The Project is consistent with the goals and policies of the Oakland General Plan, including the WOSP, and with all applicable zoning controls, as indicated in the Findings in Sections 17.136.050 above, hereby incorporated by reference.

SECTION 17.97.025 – S-15 ZONE CONDITIONAL USE PERMIT CRITERIA

- A. That the proposal will be of a quality and character which harmonizes with and serves to protect the value of private and public investment in the area;**

The proposed project is located within the West Oakland Specific Plan (WOSP) 7th Street opportunity area, which has the intent of creating a dense transit-oriented development area that takes advantage of the close proximity to the West Oakland BART station. The proposed building would redevelop and existing vacant lot and would be consistent with other recently approved buildings within the opportunity area. The proposed design includes quality exterior finishes and appropriately breaks down the massing of the building by incorporating upper-level courtyards and building recesses. The project will also establish a ground floor that includes a visual presence onto the street and when combined with the proposed improvements to the right of way will create a desirable pedestrian environment that will enhance the area.

- B. That the proposal will encourage an appropriate mixture of Residential and/or Commercial Activities in a manner which promotes and enhances use of multiple modes of transportation;**

The project is a high-density residential development that includes an active ground floor by incorporating tenant amenities that will be visually present from the right of way and could potentially be converted into commercial space in the future should the demand arise. The project is in direct proximity to the West Oakland BART Station and 7th Street which will promote the use of public transportation.

- C. That the proposal is designed to provide a safe and pleasant pedestrian environment;**

The proposal will include improvements to the public right of way that will install and widen sidewalks that will enhance the pedestrian environment of the area and will also contain ground floor facilities that will provide an active presence onto the street.

- D. That no front yard parking, loading area, or driveway shall connect or abut directly with the principal commercial street unless the determination can be made:**

- 1. That vehicular access cannot reasonably be provided from a different street or other way;**

The proposal includes one driveway access point on Kirkham Street, which is the least prominent frontage of the site and would not be considered a principal commercial street.

- 2. That every reasonable effort has been made to share means of vehicular access with abutting properties;**

No other properties are directly abutting the site, as the site fronts on the three adjacent streets and the site to the north on 7th Street is bisected by the BART aerial structure.

- 3. That the proposal is enclosed or screened from view of the abutting principal street by the measures required in Subsection 17.110.040.B.**

The parking garage will be enclosed and located behind other ground floor uses that will screen the garage from the public view.

- E. That the amount of off-street parking, if any, provided in excess of this code will not contribute significantly to an increased orientation of the area to automobile or truck movement.**

The parking provided will not be in excess of what is required by Code.

- F. In addition to the foregoing criteria and any other applicable requirements, Automotive Fee Parking within this zone shall be subject to the following use permit criteria:**

The proposal does not include Automotive Fee Parking.

16.08.030 - TENTATIVE MAP FINDINGS (Pursuant also to California Government Code §66474 (Chapter 4, Subdivision Map Act))

The Advisory Agency shall deny approval of a tentative map, or a parcel map for which a tentative map was not required, if it makes any of the following findings:

- A. That the proposed map is not consistent with applicable general and specific plans as specified in the State Government Code Section 65451.**

The proposal is consistent with the Community Commercial General Plan designation and with the WOSP by creating a high-density residential development in close proximity to the West Oakland BART Station as part of the envisioned transit village. See additional General Plan Conformity findings above.

- B. That the design or improvement of the proposed subdivision is not consistent with applicable general and specific plans.**

The proposal is consistent with the Community Commercial General Plan designation and with the WOSP by creating a high-density residential development in close proximity to the West Oakland BART Station as part of the envisioned transit village. See additional General Plan Conformity findings above.

- C. That the site is not physically suitable for the type of development.**

The site is suitable for the proposed development as it is located close to public utilities, transit, and other civic facilities, and fulfills the vision for the area as set forth in the WOSP.

- D. That the site is not physically suitable for the proposed density of development.**

The proposed density is consistent with the General Plan and Specific Plan density envisioned for the area.

- E. That the design of the subdivision or the proposed improvements are likely to cause substantial environmental damage or substantially and avoidably injure fish or wildlife or their habitat.**

This site has been previously developed and does not contain any wildlife habitat or waterways.

- F. That the design of the subdivision or type of improvements is likely to cause serious public health**

problems.

There would be no adverse health effects. This is high-density residential development located within a mixed use area and it will introduce no new use classifications that are incompatible with the surrounding neighborhood.

- G. That the design of the subdivision or the type of improvements will conflict with easements, acquired by the public at large, for access through or use of, property within the proposed subdivision. In this connection, the governing body may approve a map if it finds that alternate easements, for access or for use, will be provided, and that these will be substantially equivalent to ones previously acquired by the public. (This subsection shall apply only to easements of record or to easements established by judgment of a court of competent jurisdiction and no authority is hereby granted to a legislative body to determine that the public at large has acquired easements for access through or use of property within the proposed subdivision.)**

There are no easements on this property at present to allow the public access to anything.

- H. That the design of the subdivision does not provide to the extent feasible, for future passive or natural heating or cooling opportunities in the subdivision**

The project could be set up for solar panels on the rooftop.

SECTION 16.24.040 – LOT DESIGN STANDARDS

- A. No lot shall be created without frontage on a public street, except lots created in conjunction with approved private access easements.**

The merged lot will contain frontage on three public streets.

- B. The side lines of lots shall run at right angles or radially to the street upon which the lot fronts, except where impractical by reason of unusual topography.**

The side lot lines will generally run at right angles from the street frontages.

- C. All applicable requirements of the zoning regulations shall be met.**

The proposal will comply with the zoning regulations of the S-15 (W) Zone as outlined in this staff report, and the new merged lot will combine a number of smaller lots into one larger parcel that will comply with the minimum lot size for the zone that it is located within.

- D. Lots shall be equal or larger in measure than the prevalent size of existing lots in the surrounding area.**

The merged lot will be larger than the smaller lots that currently exist and will be consistent with the lot sizes in the vicinity.

E. Lots shall be designed in a manner to preserve and enhance natural out-croppings of rock, specimen trees or group of trees, creeks or other amenities.

The site is previously developed and no such features exist.

CEQA COMPLIANCE FINDINGS

- I. **Introduction.** These findings are made pursuant to the California Environmental Quality Act (Public Resources Code section 21000 et seq.; "CEQA") and the CEQA Guidelines (Cal. Code Regs. title 14, section 15000 et seq.; "CEQA Guidelines") by the City Planning Commission in connection with the environmental analysis of the effects of implementation of the 1396 5th Street project, as more fully described elsewhere in this Staff Report and City Of Oakland ("City")-prepared CEQA Analysis document entitled "1396 5th Street Project CEQA Analysis" dated February 2021 ("CEQA Analysis") (the "Project"). The City is the lead agency for purposes of compliance with the requirements of CEQA. These CEQA findings are attached and incorporated by reference into each and every decision associated with approval of the Project and are based on substantial evidence in the entire administrative record.

An evaluation of the Project is provided in the CEQA Checklist of the CEQA Analysis incorporated by reference to this staff report. The CEQA Analysis concludes that the Project qualifies for an addendum as well as an exemption from additional environmental review. It is consistent with the development density and land use characteristics established by the City of Oakland General Plan, and any potential environmental impacts associated with its development were adequately analyzed and covered by the analysis in the WOSP EIR.

The Project would be required to comply with the applicable mitigation measures and City of Oakland SCAs identified in the WOSP EIR and presented in Attachment A to the CEQA Analysis. With implementation of the applicable mitigation measures and SCAs, the Project would not result in a substantial increase in the severity of previously identified significant impacts in the WOSP EIR or result in any new significant impacts that were not previously identified.

In accordance with California Public Resources Code Sections 21083.3, and 211 66; and CEQA Guidelines Sections 15162, 15164, 15168, 15182, 15183, and 15183.3, and as set forth in the CEQA Analysis and Checklist attached to this report, the Project qualifies for an addendum and one or more exemptions because the following findings can be made:

II. **CEQA Analysis Findings.**

- A. Addendum.** The WOSP EIR analyzed the impacts of development within the WOSP. The Project would not result in substantial changes or involve new information not already analyzed in the WOSP EIR because the level of development now proposed for the site is within the broader development assumptions analyzed in the WOSP EIR. The Project would not cause new significant impacts not previously identified in the WOSP EIR or result in a substantial increase in the severity of previously identified significant impacts. No new mitigation measures would be necessary to reduce significant impacts. No changes have occurred with respect to circumstances surrounding the WOSP that would cause significant environmental impacts to which the Project would contribute considerably, and no

new information has been put forward that shows that the Project would cause significant environmental impacts. Therefore, no supplemental environmental review is required in accordance with Public Resources Code Section 21166, and CEQA Guidelines Sections 15162 through 15164.

- B. Specific Plan Exemption.** The Project meets the eligibility guidelines and is a qualifying mixed-use project located within a priority transit area and is consistent with the development density established by the WOSP and analyzed in the certified WOSP EIR. As such, no further analysis of the environmental effects of the Project is required in accordance with Public Resources Code Section 21155.4 and CEQA Guidelines Section 15182.
- C. Community Plan Exemption.** The Project would not result in significant impacts that (1) are peculiar to the Project or project site; (2) were not previously identified as significant Project level, cumulative, or offsite effects in the WOSP EIR; or (3) were previously identified as significant effects, but as a result of substantial new information not known at the time the WOSP EIR was prepared, would increase in severity beyond that described in the EIR. Therefore, the Project would meet the criteria to be exempt from further environmental review in accordance with Public Resources Code Section 21083.3 and CEQA Guidelines Section 15183.
- D. Qualified In-fill Exemption.** The CEQA Analysis contains in Attachment D a written analysis consistent with Appendix M to the CEQA Guidelines examining whether the Project will cause any effects that require additional review under CEQA. The Project would not result in significant impacts that (1) are peculiar to the Project or project site; (2) were not previously identified as significant Project level, cumulative, or offsite effects in the WOSP EIR; or (3) were previously identified as significant effects, but as a result of substantial new information not known at the time the WOSP EIR was prepared, would increase in severity beyond that described in the EIR. Therefore, the Project would meet the criteria to be exempt from further environmental review in accordance with Public Resources Code Section 21094.5 and CEQA Guidelines Section 15183.3.

III. Conclusion. Overall, based on an examination of the analysis, findings, and conclusions of the WOSP EIR, which are summarized in the CEQA Checklist, the potential environmental impacts associated with the Project have been adequately analyzed and covered in the WOSP EIR. Therefore, no further review or analysis under CEQA is required.

Each of the above findings provides a separate and independent basis for CEQA compliance.

- III. Severability: The City finds that all four CEQA provisions discussed and determined to be applicable in Section II above are separately and independently applicable to the consideration of the Project and should any of the four be determined not to be so applicable, such determinations shall have no effect on the validity of these findings and the approval of the Project on any of the other grounds.
- IV. Incorporation by Reference of Statement of Overriding Considerations: The WOSP EIR identified three areas of environmental effects of the WOSP that presented significant and unavoidable impacts. Because the Project may contribute to some significant and unavoidable impacts identified in the WOSP EIR identified above, but a Subsequent and/or Supplemental EIR is not required in accordance with CEQA Guidelines sections 15162, 15163, 15164, 15168, 15180, 15183 and 15183.3, a Statement of Overriding Considerations is not legally required. Nevertheless, in the interest of being conservative, the Statements of Overriding Consideration for the for the WOSP EIR, approved as Section XII of the CEQA Findings

adopted by the City Council on July 15, 2014, via Resolution No. 85108 C.M.S, are all hereby incorporated by reference as if fully set forth herein.

ATTACHMENT B

CONDITIONS OF APPROVAL

STANDARD ADMINISTRATIVE CONDITIONS:

1. Approved Use

The project shall be constructed and operated in accordance with the authorized use as described in the approved application materials, **staff report** and the approved plans **dated January 1, 2021**, as amended by the following conditions of approval and mitigation measures, if applicable (“Conditions of Approval” or “Conditions”).

2. Effective Date, Expiration, Extensions and Extinguishment

This Approval shall become effective immediately, unless the Approval is appealable, in which case the Approval shall become effective in ten calendar days unless an appeal is filed. Unless a different termination date is prescribed, this Approval shall expire two years from the Approval date, or from the date of the final decision in the event of an appeal, unless within such period a complete building permit application has been filed with the Bureau of Building and diligently pursued towards completion, or the authorized activities have commenced in the case of a permit not involving construction or alteration. Upon written request and payment of appropriate fees submitted no later than the expiration date of this Approval, the Director of City Planning or designee may grant a one-year extension of this date, with additional extensions subject to approval by the approving body. Expiration of any necessary building permit or other construction-related permit for this project may invalidate this Approval if said Approval has also expired. If litigation is filed challenging this Approval, or its implementation, then the time period stated above for obtaining necessary permits for construction or alteration and/or commencement of authorized activities is automatically extended for the duration of the litigation.

3. Compliance with Other Requirements

The project applicant shall comply with all other applicable federal, state, regional, and local laws/codes, requirements, regulations, and guidelines, including but not limited to those imposed by the City’s Bureau of Building, Fire Marshal, Department of Transportation and Public Works Department. Compliance with other applicable requirements may require changes to the approved use and/or plans. These changes shall be processed in accordance with the procedures contained in Condition #4.

4. Minor and Major Changes

- a. Minor changes to the approved project, plans, Conditions, facilities, or use may be approved administratively by the Director of City Planning.
- b. Major changes to the approved project, plans, Conditions, facilities, or use shall be reviewed by the Director of City Planning to determine whether such changes require submittal and approval of a revision to the Approval by the original approving body or a new independent permit/approval. Major revisions shall be reviewed in accordance

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with the procedures required for the original permit/approval. A new independent permit/approval shall be reviewed in accordance with the procedures required for the new permit/approval.

5. Compliance with Conditions of Approval

- a. The project applicant and property owner, including successors, (collectively referred to hereafter as the “project applicant” or “applicant”) shall be responsible for compliance with all the Conditions of Approval and any recommendations contained in any submitted and approved technical report at his/her sole cost and expense, subject to review and approval by the City of Oakland.
- b. The City of Oakland reserves the right at any time during construction to require certification by a licensed professional at the project applicant’s expense that the as-built project conforms to all applicable requirements, including but not limited to, approved maximum heights and minimum setbacks. Failure to construct the project in accordance with the Approval may result in remedial reconstruction, permit revocation, permit modification, stop work, permit suspension, or other corrective action.
- c. Violation of any term, Condition, or project description relating to the Approval is unlawful, prohibited, and a violation of the Oakland Municipal Code. The City of Oakland reserves the right to initiate civil and/or criminal enforcement and/or abatement proceedings, or after notice and public hearing, to revoke the Approval or alter these Conditions if it is found that there is violation of any of the Conditions or the provisions of the Planning Code or Municipal Code, or the project operates as or causes a public nuisance. This provision is not intended to, nor does it, limit in any manner whatsoever the ability of the City to take appropriate enforcement actions. The project applicant shall be responsible for paying fees in accordance with the City’s Master Fee Schedule for inspections conducted by the City or a City-designated third-party to investigate alleged violations of the Approval or Conditions.

6. Signed Copy of the Approval/Conditions

A copy of the Approval letter and Conditions shall be signed by the project applicant, attached to each set of permit plans submitted to the appropriate City agency for the project, and made available for review at the project job site at all times.

7. Blight/Nuisances

The project site shall be kept in a blight/nuisance-free condition. Any existing blight or nuisance shall be abated within 60 days of approval, unless an earlier date is specified elsewhere.

8. Indemnification

- a. To the maximum extent permitted by law, the project applicant shall defend (with counsel acceptable to the City), indemnify, and hold harmless the City of Oakland, the Oakland City Council, the Oakland Redevelopment Successor Agency, the Oakland City Planning Commission, and their respective agents, officers, employees, and volunteers (hereafter collectively called “City”) from any liability, damages, claim,

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judgment, loss (direct or indirect), action, causes of action, or proceeding (including legal costs, attorneys' fees, expert witness or consultant fees, City Attorney or staff time, expenses or costs) (collectively called "Action") against the City to attack, set aside, void or annul this Approval or implementation of this Approval. The City may elect, in its sole discretion, to participate in the defense of said Action and the project applicant shall reimburse the City for its reasonable legal costs and attorneys' fees.

- b. Within ten (10) calendar days of the serving of any Action as specified in subsection (a) above on the City, the project applicant shall execute a Joint Defense Letter of Agreement with the City, acceptable to the Office of the City Attorney, which memorializes the above obligations. These obligations and the Joint Defense Letter of Agreement shall survive termination, extinguishment, or invalidation of the Approval. Failure to timely execute the Letter of Agreement does not relieve the project applicant of any of the obligations contained in this Condition or other requirements or Conditions of Approval that may be imposed by the City.

9. Severability

The Approval would not have been granted but for the applicability and validity of each and every one of the specified Conditions, and if one or more of such Conditions is found to be invalid by a court of competent jurisdiction this Approval would not have been granted without requiring other valid Conditions consistent with achieving the same purpose and intent of such Approval.

10. Special Inspector/Inspections, Independent Technical Review, Project Coordination and Monitoring

The project applicant may be required to cover the full costs of independent third-party technical review and City monitoring and inspection, including without limitation, special inspector(s)/inspection(s) during times of extensive or specialized plan-check review or construction, and inspections of potential violations of the Conditions of Approval. The project applicant shall establish a deposit with the Bureau of Building, if directed by the Building Official, Director of City Planning, or designee, prior to the issuance of a construction-related permit and on an ongoing as-needed basis.

11. Public Improvements

The project applicant shall obtain all necessary permits/approvals, such as encroachment permits, obstruction permits, curb/gutter/sidewalk permits, and public improvement ("p-job") permits from the City for work in the public right-of-way, including but not limited to, streets, curbs, gutters, sidewalks, utilities, and fire hydrants. Prior to any work in the public right-of-way, the applicant shall submit plans for review and approval by the Bureau of Planning, the Bureau of Building, and other City departments as required. Public improvements shall be designed and installed to the satisfaction of the City.

12. Compliance Matrix

The project applicant shall submit a Compliance Matrix, in both written and electronic form, for review and approval by the Bureau of Planning and the Bureau of Building that lists each Condition of Approval (including each mitigation measure if applicable) in a

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sortable spreadsheet. The Compliance Matrix shall contain, at a minimum, each required Condition of Approval, when compliance with the Condition is required, and the status of compliance with each Condition. For multi-phased projects, the Compliance Matrix shall indicate which Condition applies to each phase. The project applicant shall submit the initial Compliance Matrix prior to the issuance of the first construction-related permit and shall submit an updated matrix upon request by the City.

13. Construction Management Plan

Prior to the issuance of the first construction-related permit, the project applicant and his/her general contractor shall submit a Construction Management Plan (CMP) for review and approval by the Bureau of Planning, Bureau of Building, and other relevant City departments such as the Fire Department and the Public Works Department as directed. The CMP shall contain measures to minimize potential construction impacts including measures to comply with all construction-related Conditions of Approval (and mitigation measures if applicable) such as dust control, construction emissions, hazardous materials, construction days/hours, construction traffic control, waste reduction and recycling, stormwater pollution prevention, noise control, complaint management, and cultural resource management (see applicable Conditions below). The CMP shall provide project-specific information including descriptive procedures, approval documentation, and drawings (such as a site logistics plan, fire safety plan, construction phasing plan, proposed truck routes, traffic control plan, complaint management plan, construction worker parking plan, and litter/debris clean-up plan) that specify how potential construction impacts will be minimized and how each construction-related requirement will be satisfied throughout construction of the project.

14. Standard Conditions of Approval / Mitigation Monitoring and Reporting Program (SCAMMRP)

a. All mitigation measures identified in the 1396 5th Street CEQA Analysis Document are included in the Standard Condition of Approval / Mitigation Monitoring and Reporting Program (SCAMMRP) which is included in these Conditions of Approval and are incorporated herein by reference, as Attachment C, as Conditions of Approval of the project. The Standard Conditions of Approval identified in the 1396 5th Street CEQA Analysis Document are also included in the SCAMMRP, and are, therefore, incorporated into these Conditions by reference but are not repeated in these Conditions. To the extent that there is any inconsistency between the SCAMMRP and these Conditions, the more restrictive Conditions shall govern. In the event a Standard Condition of Approval or mitigation measure recommended in the 1396 5th Street CEQA Analysis Document has been inadvertently omitted from the SCAMMRP, that Standard Condition of Approval or mitigation measure is adopted and incorporated from the 1396 5th Street CEQA Analysis Document into the SCAMMRP by reference, and adopted as a Condition of Approval. The project applicant and property owner shall be responsible for compliance with the requirements of any submitted and approved technical reports, all applicable mitigation measures adopted, and with all Conditions of Approval set forth herein at his/her sole cost and expense, unless otherwise expressly provided in a specific mitigation measure or Condition of Approval, and subject to the review and approval by the City of Oakland. The SCAMMRP identifies the timeframe

and responsible party for implementation and monitoring for each Standard Condition of Approval and mitigation measure. Monitoring of compliance with the Standard Conditions of Approval and mitigation measures will be the responsibility of the Bureau of Planning and the Bureau of Building, with overall authority concerning compliance residing with the Environmental Review Officer. Adoption of the SCAMMRP will constitute fulfillment of the CEQA monitoring and/or reporting requirement set forth in section 21081.6 of CEQA.

- b. Prior to the issuance of the first construction-related permit, the project applicant shall pay the applicable mitigation and monitoring fee to the City in accordance with the City's Master Fee Schedule.

STANDARD CONDITIONS OF APPROVAL - OTHER STANDARD CONDITIONS:

15. Public Art for Private Development

Requirement: The project is subject to the City's Public Art Requirements for Private Development, adopted by Ordinance No. 13275 C.M.S. ("Ordinance"). The public art contribution requirements are equivalent to one-half percent (0.5%) for the "residential" building development costs, and one percent (1.0%) for the "non-residential" building development costs.

The contribution requirement can be met through: 1) the installation of freely accessible art at the site; 2) the installation of freely accessible art within one-quarter mile of the site; or 3) satisfaction of alternative compliance methods described in the Ordinance, including, but not limited to, payment of an in-lieu fee contribution. The applicant shall provide proof of full payment of the in-lieu contribution and/or provide plans, for review and approval by the Planning Director, showing the installation or improvements required by the Ordinance prior to issuance of a building permit.

Proof of installation of artwork, or other alternative requirement, is required prior to the City's issuance of a final certificate of occupancy for each phase of a project unless a separate, legal binding instrument is executed ensuring compliance within a timely manner subject to City approval.

When Required: Payment of in-lieu fees and/or plans showing fulfillment of public art requirement – Prior to Issuance of Building permit

Installation of art/cultural space – Prior to Issuance of a Certificate of Occupancy.

Initial Approval: Bureau of Planning

Monitoring/Inspection: Bureau of Building

16. Affordable Residential Rental Units - Agreement and Monitoring

Requirement #1: Pursuant to Section 17.107 of the Oakland Planning Code and the State Density Bonus Law California Government Code Section 65915 et seq. ("State Density Bonus Law"), the proposed project shall provide a minimum of 16 target dwelling units available at very low income (as 9% of the baseline project units) for receiving a density bonus, concession and/or waiver of development standards.

Requirement #2: The approved residential affordable units that are part of this approval shall remain and continue to be affordable at the specified level in accordance with

California Health and Safety Code Section 50053 and its implementing regulations for a term of not less than 55 years or a longer period of time if required by the construction or mortgage finance assistance program, mortgage insurance program, or rental subsidy program. This Condition of Approval must also be in compliance with Section 65915(c)(1) of the State Density Bonus Law specifically, as well as all other applicable provisions of the State Density Bonus Law.

Requirement #3: Prior to submittal of a construction-related permit, the applicant shall contact the Housing and Community Development Department (Housing Development Services Division) to enter into a Regulatory Agreement based on the City's model documents, as may be amended from time to time, governing the target dwelling units. The Agreement shall contain restrictive covenants to ensure the continued affordability of the target dwelling units at the specified rent levels for a period of not less than fifty-five (55) years pursuant Section 65915 (c)(1) of the State Density Bonus Law, and restrict the occupancy of those units only to residents who satisfy the affordability requirement as approved for this project. Only households meeting the eligibility standards for the target dwelling units shall be eligible to occupy the target dwelling units.

If the property has an approved condominium map and the developer chooses to rent the affordable units at initial occupancy, the units cannot convert to ownership during the term of the Agreement, even if the market rate units in the development convert to ownership.

The Regulatory Agreement shall be recorded with the Alameda County Recorder's Office as an encumbrance against the property, and a copy of the recorded agreement shall be provided to and retained by the City. The Regulatory Agreement may not be subordinated in priority to any other lien interest in the property.

Requirement #4: Rental target dwelling units shall be managed / operated by the developer or developer's agent or the developer's successor. The developer of rental target dwelling units shall submit for review and approval by the Housing and Community Development Department and any other relevant City departments, an annual report identifying which units are target dwelling units, the monthly rent, vacancy information, monthly income for tenants of each target rental dwelling unit throughout the prior year, and other information required by the City. Said agreement shall maintain the tenants' privacy. The applicant shall pay to the Housing and Community Development Department an annual monitoring fee pursuant to the Master Fee Schedule (updated annually and available from the Budget Office of the City Oakland's Finance Department: <https://www.oaklandca.gov/departments/finance-department>) for City monitoring of target dwelling units.

Requirement #5: The floor area, number of bedrooms, and amenities (such as fixtures, appliances, location and utilities) of the affordable units shall be substantially equal in size and quality to those of the market rate units. Further, the proportion of unit types (i.e. three-bedroom and four-bedroom, etc.) of the affordable units shall be roughly the same as the project's market rate units.

Requirement #6: Tenant households in affordable units must have equal access to the project's services and facilities as tenant households in all other units within the project.

Requirement #7: Affordable units must be evenly distributed throughout the project.

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Requirement #8: Applicant shall comply with the requirements of Section 65915(c)(3)(A) of the State Density Bonus Law requiring, without limitation, replacement units in those circumstances where the parcel subject to the density bonus requests contains or contained affordable units within the last five years.

Requirement #9: Applicants shall comply with all applicable provisions of State Density Bonus Law and all provisions of the City's density bonus law that are not preempted by state law.

Requirement #10: Affordable units shall be constructed concurrent with the construction of the market rate units in each phase of the project.

Requirement #11: The City will not issue final certificates of occupancy for more than fifty percent (50%) of the market rate units in any phase of development until final certificates of occupancy are issued for all of the affordable units in that phase.

When Required: First Construction-Related Permit Application and Ongoing Initial Approval: Housing and Community Development Department – Housing Development Services Division

Ongoing Monitoring/Inspections: Housing Development Services Division

PROJECT SPECIFIC CONDITIONS:

17. Exterior Finishes

Requirement: The final building permit plan set shall contain detailed information on all proposed exterior finishes for city approval. If requested by the Bureau of Planning sample materials shall be submitted and are subject to final approval by the Zoning Manager.

When Required: Prior to issuance of a Building Permit

Initial Approval: Bureau of Planning

Monitoring/Inspection: Bureau of Planning

18. Miscellaneous Transportation Improvement Measures

Requirement #1: Stripe “KEEP CLEAR” on southbound Kirkham Street at the project garage driveway to minimize queues blocking the project driveway.

Requirement #2: Install no stopping anytime signage on the west side of Kirkham to discourage pick-ups and drop-offs.

Requirement #3: Install directional curb ramps with truncated domes at the southeast corner of the 5th Street/Mandela Parkway intersection.

Requirement #4: Align the proposed directional curb ramp at the northeast corner of the 5th Street/ Mandela Parkway intersection with the directional curb ramp at the northwest corner of the intersection planned by the West Oakland BART Station TOD project to provide the shortest possible crossing distance of Mandela Parkway.

Requirement #5: Align the proposed directional curb ramp at the northwest corner of the 5th Street/Kirkham Street intersection with the directional curb ramp at the northeast corner

CONDITIONS OF APPROVAL

of the intersection planned by the 500 Kirkham project to provide the shortest possible crossing distance of Kirkham Street.

Requirement #6: Coordinate with the City of Oakland to implement the following for the 12 new parking spaces along the project frontage on 5th Street:

- Designate at least one parking space as passenger loading spaces (white curb) along the project frontage on 5th Street just east of Mandela Parkway to accommodate drop offs and pick-ups by private vehicle and transportation network company (TNC) vehicles.
- Designate the remaining parking spaces along the project frontage on 5th Street as metered and/or time-restricted parking to prevent BART riders from parking along the project frontage for long period.

When Required: Measures shall be submitted as part of the p-job application

Initial Approval: Bureau of Planning/DOT

Monitoring/Inspection: Bureau of Building/DOT

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ATTACHMENT C

STANDARD CONDITIONS OF APPROVAL AND MITIGATION MONITORING AND REPORTING PROGRAM

This Standard Conditions of Approval and Mitigation Monitoring and Reporting Program (SCAMMRP) is based on the CEQA Analysis prepared for the 1396 5th Street Project (project).

This SCAMMRP is in compliance with Section 15097 of the CEQA Guidelines, which requires that the Lead Agency “adopt a program for monitoring or reporting on the revisions which it has required in the project and the measures it has imposed to mitigate or avoid significant environmental effects.” The SCAMMRP lists the City’s Standard Conditions of Approval (“SCA”) identified in the EIR as measures that would minimize potential adverse effects that could result from implementation of the project, to ensure the conditions are implemented and monitored. The SCA number that corresponds to the City’s master SCA list is provided at the end of the SCA title — e.g., SCA-AIR-1: *Dust Controls – Construction-Related (#20)*. It is noted that no mitigation measures beyond the SCAs are required for this project. Mitigation measures (MM) identified in the WOSP EIR are now included in the city’s SCA’s such as Mitigation Measure Air-9B (SCA #24), Mitigation Measure Air-9C (SCA #24 and SCA #26), and Mitigation Measure Air-10 (SCA #23) and are functionally equivalent to mitigation measures.

All SCAs identified in the CEQA Analysis which are consistent with the measures and conditions presented in the WOSP EIR, are included herein. To the extent that there is any inconsistency between the SCA and MM, the more restrictive conditions shall govern; to the extent any MM and/or SCA identified in the CEQA Analysis were inadvertently omitted, they are automatically incorporated herein by reference.

- The first column identifies the SCA and MM applicable to that topic in the CEQA Analysis.
- The second column identifies the monitoring schedule or timing applicable to the project.
- The third column names the party responsible for monitoring the required action for the project.

The project sponsor is responsible for compliance with any recommendations in approved technical reports, all applicable mitigation measures adopted and with all conditions of approval set forth herein at its sole cost and expense, unless otherwise expressly provided in a specific mitigation measure or condition of approval, and subject to the review and approval of the City of Oakland. Overall monitoring and compliance with the mitigation measures will be the responsibility of the Planning and Zoning Division. Prior to the issuance of a demolition, grading, and/or construction permit, the project sponsor shall pay the applicable mitigation and monitoring fee to the City in accordance with the City’s Master Fee Schedule.

Standard Conditions of Approval/ Mitigation Measures	Standard Conditions of Approval and Mitigation Measures Implementation/Monitoring		
	When Required	Initial Approval	Monitoring/ Inspection
General			
SCA-GEN-1: Compliance with Other Requirements (#3) The project applicant shall comply with all other applicable federal, state, regional, and local laws/codes, requirements, regulations, and guidelines, including but not limited to those imposed by the City’s Bureau of Building, Fire Marshal, Department of Transportation, and Public Works Department. Compliance with other applicable requirements may require changes to the approved use and/or plans. These changes shall be processed in accordance with the procedures contained in Condition #4.	N/A	N/A	N/A
SCA-GEN-2: Regulatory Permits and Authorizations from Other Agencies (#15) The project applicant shall obtain all necessary regulatory permits and authorizations from applicable resource/regulatory agencies including, but not limited to, the Regional Water Quality Control Board, Bay Area Air Quality Management District, Bay Conservation and Development Commission, California Department of Fish and Wildlife, U. S. Fish and Wildlife Service, and Army Corps of Engineers and shall comply with all requirements and conditions of the permits/authorizations. The project applicant shall submit evidence of the approved permits/authorizations to the City, along with evidence demonstrating compliance with any regulatory permit/authorization conditions of approval.	Prior to activity requiring permit/ authorization from regulatory agency	Approval by applicable regulatory agency with jurisdiction; evidence of approval submitted to Bureau of Planning	Applicable regulatory agency with jurisdiction
Aesthetics, Shadow and Wind			
SCA-AES-1: Trash and Blight Removal (#16) The project applicant and his/her successors shall maintain the property free of blight, as defined in Chapter 8.24 of the Oakland Municipal Code. For nonresidential and multi-family residential projects, the project applicant shall install and maintain trash receptacles near public entryways as needed to provide sufficient capacity for building users.	Ongoing	N/A	Bureau of Building
SCA-AES-2: Graffiti Control (#17) a. During construction and operation of the project, the project applicant shall incorporate best management practices reasonably related to the control of graffiti and/or the mitigation of the impacts of graffiti. Such best management practices may include, without limitation:	Ongoing	N/A	Bureau of Building

Standard Conditions of Approval/ Mitigation Measures	Standard Conditions of Approval and Mitigation Measures Implementation/Monitoring		
	When Required	Initial Approval	Monitoring/ Inspection
<ul style="list-style-type: none"> i. Installation and maintenance of landscaping to discourage defacement of and/or protect likely graffiti-attracting surfaces. ii. Installation and maintenance of lighting to protect likely graffiti-attracting surfaces. iii. Use of paint with anti-graffiti coating. iv. Incorporation of architectural or design elements or features to discourage graffiti defacement in accordance with the principles of Crime Prevention Through Environmental Design (CPTED). v. Other practices approved by the City to deter, protect, or reduce the potential for graffiti defacement. <p>b. The project applicant shall remove graffiti by appropriate means within seventy-two (72) hours. Appropriate means include:</p> <ul style="list-style-type: none"> i. Removal through scrubbing, washing, sanding, and/or scraping (or similar method) without damaging the surface and without discharging wash water or cleaning detergents into the City storm drain system. ii. Covering with new paint to match the color of the surrounding surface. iii. Replacing with new surfacing (with City permits if required). 			
<p>SCA-AES-3: Landscape Plan (#18)</p> <p>a. <i>Landscape Plan Required</i> The project applicant shall submit a final Landscape Plan for City review and approval that is consistent with the approved Landscape Plan. The Landscape Plan shall be included with the set of drawings submitted for the construction-related permit and shall comply with the landscape requirements of Chapter 17.124 of the Planning Code. Proposed plants shall be predominantly drought-tolerant. Specification of any street trees shall comply with the Master Street Tree List and Tree Planting Guidelines (which can be viewed at http://www2.oaklandnet.com/oakca1/groups/pwa/documents/report/oak042662.pdf and http://www2.oaklandnet.com/oakca1/groups/pwa/documents/form/oak025595.pdf, respectively), and with any applicable streetscape plan.</p> <p>b. <i>Landscape Installation</i></p>	<ul style="list-style-type: none"> a. Prior to approval of construction-related permit b. Prior to building permit final c. Prior to approval of construction-related permit 	<ul style="list-style-type: none"> a. Bureau of Planning b. Bureau of Planning c. N/A 	<ul style="list-style-type: none"> a. N/A b. Bureau of Building c. Bureau of Building

Standard Conditions of Approval/ Mitigation Measures	Standard Conditions of Approval and Mitigation Measures Implementation/Monitoring		
	When Required	Initial Approval	Monitoring/ Inspection
<p>The project applicant shall implement the approved Landscape Plan unless a bond, cash deposit, letter of credit, or other equivalent instrument acceptable to the Director of City Planning, is provided. The financial instrument shall equal the greater of \$2,500 or the estimated cost of implementing the Landscape Plan based on a licensed contractor’s bid.</p> <p>c. <i>Landscape Maintenance</i> All required planting shall be permanently maintained in good growing condition and, whenever necessary, replaced with new plant materials to ensure continued compliance with applicable landscaping requirements. The property owner shall be responsible for maintaining planting in adjacent public rights-of-way. All required fences, walls, and irrigation systems shall be permanently maintained in good condition and, whenever necessary, repaired or replaced.</p>			
<p>SCA-AES-4: Lighting (#19) Proposed new exterior lighting fixtures shall be adequately shielded to a point below the light bulb and reflector to prevent unnecessary glare onto adjacent properties.</p>	Prior to building permit final	N/A	Bureau of Building
Air Quality			
<p>SCA-AIR-1: Dust Controls – Construction Related (#20) The project applicant shall implement all of the following applicable dust control measures during construction of the project:</p> <p>a. Water all exposed surfaces of active construction areas at least twice daily. Watering should be sufficient to prevent airborne dust from leaving the site. Increased watering frequency may be necessary whenever wind speeds exceed 15 miles per hour. Reclaimed water should be used whenever feasible.</p> <p>b. Cover all trucks hauling soil, sand, and other loose materials or require all trucks to maintain at least two feet of freeboard (i.e., the minimum required space between the top of the load and the top of the trailer).</p> <p>c. All visible mud or dirt track-out onto adjacent public roads shall be removed using wet power vacuum street sweepers at least once per day. The use of dry power sweeping is prohibited.</p> <p>d. Limit vehicle speeds on unpaved roads to 15 miles per hour.</p>	During construction	N/A	Bureau of Building

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<p>e. All demolition activities (if any) shall be suspended when average wind speeds exceed 20 mph.</p> <p>f. All trucks and equipment, including tires, shall be washed off prior to leaving the site.</p> <p>g. Site accesses to a distance of 100 feet from the paved road shall be treated with a 6 to 12 inch compacted layer of wood chips, mulch, or gravel.</p> <p>Enhanced Controls: All “Basic” controls listed above plus the following controls if the project involves:</p> <ul style="list-style-type: none"> • Extensive site preparation (i.e., the construction site is four acres or more in size); or • Extensive soil transport (i.e., 10,000 or more cubic yards of soil import/export). <p>h. Apply and maintain vegetative ground cover (e.g., hydroseed) or non-toxic soil stabilizers to disturbed areas of soil that will be inactive for more than one month. Enclose, cover, water twice daily, or apply (non-toxic) soil stabilizers to exposed stockpiles (dirt, sand, etc.).</p> <p>i. Designate a person or persons to monitor the dust control program and to order increased watering, as necessary, to prevent transport of dust offsite. Their duties shall include holidays and weekend periods when work may not be in progress.</p> <p>j. When working at a site, install appropriate wind breaks (e.g., trees, fences) on the windward side(s) of the site, to minimize wind-blown dust. Windbreaks must have a maximum 50 percent air porosity.</p> <p>k. Post a publicly visible large on-site sign that includes the contact name and phone number for the project complaint manager responsible for responding to dust complaints and the telephone numbers of the City’s Code Enforcement unit and the Bay Area Air Quality Management District. When contacted, the project complaint manager shall respond and take corrective action within 48 hours.</p> <p>l. All exposed surfaces shall be watered at a frequency adequate to maintain minimum soil moisture of 12 percent. Moisture content can be verified by lab samples or moisture probe.</p>			

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	When Required	Initial Approval	Monitoring/ Inspection
<p>SCA-AIR-2: Criteria Air Pollutant Controls – Construction-Related (#21) The project applicant shall implement all of the following applicable basic control measures for criteria air pollutants during construction of the project as applicable:</p> <ul style="list-style-type: none"> a. Idling times on all diesel-fueled commercial vehicles over 10,000 lbs. shall be minimized either by shutting equipment off when not in use or reducing the maximum idling time to two minutes (as required by the California airborne toxics control measure Title 13, Section 2485, of the California Code of Regulations). Clear signage to this effect shall be provided for construction workers at all access points. b. Idling times on all diesel-fueled off-road vehicles over 25 horsepower shall be minimized either by shutting equipment off when not in use or reducing the maximum idling time to two minutes and fleet operators must develop a written policy as required by Title 23, Section 2449, of the California Code of Regulations (“California Air Resources Board Off-Road Diesel Regulations”). c. All construction equipment shall be maintained and properly tuned in accordance with the manufacturer’s specifications. All equipment shall be checked by a certified mechanic and determined to be running in proper condition prior to operation. Equipment check documentation should be kept at the construction site and be available for review by the City and the Bay Area Air Quality District as needed. d. Portable equipment shall be powered by grid electricity if available. If electricity is not available, propane or natural gas generators shall be used if feasible. Diesel engines shall only be used if grid electricity is not available and propane or natural gas generators cannot meet the electrical demand. e. Low VOC (i.e., ROG) coatings shall be used that comply with BAAQMD Regulation 8, Rule 3: Architectural Coatings. f. All equipment to be used on the construction site shall comply with the requirements of Title 13, Section 2449, of the California Code of Regulations (“California Air Resources Board Off-Road Diesel Regulations”) and upon request by the City (and the Air District if specifically requested), the project applicant shall provide written documentation that fleet requirements have been met. 	<p>Basic Controls: During construction</p> <p>Enhanced Controls: Prior to issuance of a construction-related permit</p>	<p>Basic Controls: N/A</p> <p>Enhanced Controls: Bureau of Planning</p>	<p>Basic Controls: Bureau of Building</p> <p>Enhanced Controls: Bureau of Planning</p>

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	When Required	Initial Approval	Monitoring/ Inspection
<p>Enhanced Controls for projects exceeding CEQA thresholds for construction activity:</p> <p><i>g. Criteria Air Pollutant Reduction Measures</i> The project applicant shall retain a qualified air quality consultant to identify criteria air pollutant reduction measures to reduce the project's average daily emissions below 54 pounds per day of ROG, NOx, or PM2.5 or 82 pounds per day of PM10. Quantified emissions and identified reduction measures shall be submitted to the City (and the Air District if specifically requested) for review and approval prior to the issuance of building permits and the approved criteria air pollutant reduction measures shall be implemented during construction.</p> <p><i>h. Construction Emissions Minimization Plan</i> The project applicant shall prepare a Construction Emissions Minimization Plan (Emissions Plan) for all identified criteria air pollutant reduction measures. The Emissions Plan shall be submitted to the City (and the Air District if specifically requested) for review and approval prior to the issuance of building permits. The Emissions Plan shall include the following:</p> <p>i. An equipment inventory summarizing the type of off-road equipment required for each phase of construction, including the equipment manufacturer, equipment identification number, engine model year, engine certification (tier rating), horsepower, and engine serial number. For all Verified Diesel Emissions Control Strategies (VDECS), the equipment inventory shall also include the technology type, serial number, make, model, manufacturer, CARB verification number level, and installation date.</p> <p>ii. A Certification Statement that the Contractor agrees to comply fully with the Emissions Plan and acknowledges that a significant violation of the Emissions Plan shall constitute a material breach of contract.</p>			
<p>SCA-AIR-3: Diesel Particulate Matter Controls-Construction Related (#22) <i>a. Diesel Particulate Matter Reduction Measures</i> The project applicant shall implement appropriate measures during construction to reduce potential health risks to sensitive receptors due to exposure to diesel particulate matter (DPM) from construction emissions. The project applicant shall choose one of the following methods:</p>	<p>a. Prior to issuance of a construction related permit (i), during construction (ii)</p>	<p>a. Bureau of Planning b. Bureau of Planning</p>	<p>a. Bureau of Building b. Bureau of Building</p>

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<p>i. The project applicant shall retain a qualified air quality consultant to prepare a Health Risk Assessment (HRA) in accordance with current guidance from the California Air Resources Board (CARB) and Office of Environmental Health and Hazard Assessment to determine the health risk to sensitive receptors exposed to DPM from project construction emissions. The HRA shall be submitted to the City (and the Air District if specifically requested) for review and approval. If the HRA concludes that the health risk is at or below acceptable levels, then DPM reduction measures are not required. If the HRA concludes that the health risk exceeds acceptable levels, DPM reduction measures shall be identified to reduce the health risk to acceptable levels as set forth under subsection b below. Identified DPM reduction measures shall be submitted to the City for review and approval prior to the issuance of building permits and the approved DPM reduction measures shall be implemented during construction.</p> <p>or</p> <p>ii. All off-road diesel equipment shall be equipped with the most effective Verified Diesel Emission Control Strategies (VDECS) available for the engine type (Tier 4 engines automatically meet this requirement) as certified by CARB. The equipment shall be properly maintained and tuned in accordance with manufacturer specifications. This shall be verified through an equipment inventory submittal and Certification Statement that the Contractor agrees to compliance and acknowledges that a significant violation of this requirement shall constitute a material breach of contract.</p> <p>b. <i>Construction Emissions Minimization Plan</i> (if required by a above) The project applicant shall prepare a Construction Emissions Minimization Plan (Emissions Plan) for all identified DPM reduction measures (if any). The Emissions Plan shall be submitted to the City (and the Bay Area Air Quality District if specifically requested) for review and approval prior to the issuance of building permits. The Emissions Plan shall include the following:</p> <p>i. An equipment inventory summarizing the type of off-road equipment required for each phase of construction, including the equipment manufacturer, equipment identification number, engine model year, engine certification (tier rating), horsepower, and engine serial number. For all VDECS, the equipment inventory shall also include the technology type,</p>	<p>b. Prior to issuance of a construction related permit</p>		

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	When Required	Initial Approval	Monitoring/ Inspection
serial number, make, model, manufacturer, CARB verification number level, and installation date. ii. A Certification Statement that the Contractor agrees to comply fully with the Emissions Plan and acknowledges that a significant violation of the Emissions Plan shall constitute a material breach of contract.			
<p>SCA-AIR-4: Exposure to Air Pollution (Toxic Air Contaminants) (#23) a. <i>Health Risk Reduction Measures</i> The project applicant shall incorporate appropriate measures into the project design in order to reduce the potential health risk due to exposure to toxic air contaminants. The project applicant shall choose one of the following methods:</p> <p>i. The project applicant shall retain a qualified air quality consultant to prepare a Health Risk Assessment (HRA) in accordance with California Air Resources Board (CARB) and Office of Environmental Health and Hazard Assessment requirements to determine the health risk of exposure of project residents/occupants/users to air pollutants. The HRA shall be submitted to the City for review and approval. If the HRA concludes that the health risk is at or below acceptable levels, then health risk reduction measures are not required. If the HRA concludes that the health risk exceeds acceptable levels, health risk reduction measures shall be identified to reduce the health risk to acceptable levels. Identified risk reduction measures shall be submitted to the City for review and approval and be included on the project drawings submitted for the construction-related permit or on other documentation submitted to the City. The approved risk reduction measures shall be implemented during construction and/or operations as applicable. - or -</p> <p>ii. The project applicant shall incorporate the following health risk reduction measures into the project. These features shall be submitted to the City for review and approval and be included on the project drawings submitted for the construction-related permit or on other documentation submitted to the City:</p> <ul style="list-style-type: none"> ▪ Installation of air filtration to reduce cancer risks and Particulate Matter (PM) exposure for residents and other sensitive populations in the project 	a. Prior to approval of construction-related permit b. Ongoing	a. Bureau of Planning b. N/A	a. Bureau of Building b. Bureau of Building

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<p>that are in close proximity to sources of air pollution. Air filter devices shall be rated MERV-16 or higher. As part of implementing this measure, an ongoing maintenance plan for the building’s HVAC air filtration system shall be required.</p> <ul style="list-style-type: none"> ▪ Where appropriate, install passive electrostatic filtering systems, especially those with low air velocities (i.e., 1 mph). ▪ Phasing of residential developments when proposed within 500 feet of freeways such that homes nearest the freeway are built last, if feasible. ▪ The project shall be designed to locate sensitive receptors as far away as feasible from the source(s) of air pollution. Operable windows, balconies, and building air intakes shall be located as far away from these sources as feasible. If near a distribution center, residents shall be located as far away as feasible from a loading dock or where trucks concentrate to deliver goods. ▪ Sensitive receptors shall be located on the upper floors of buildings, if feasible. ▪ Planting trees and/or vegetation between sensitive receptors and pollution source, if feasible. Trees that are best suited to trapping PM shall be planted, including one or more of the following: Pine (<i>Pinus nigra</i> var. <i>maritima</i>), Cypress (<i>X Cupressocyparis leylandii</i>), Hybrid poplar (<i>Populus deltoids X trichocarpa</i>), and Redwood (<i>Sequoia sempervirens</i>). ▪ Sensitive receptors shall be located as far away from truck activity areas, such as loading docks and delivery areas, as feasible. ▪ Existing and new diesel generators shall meet CARB’s Tier 4 emission standards, if feasible. ▪ Emissions from diesel trucks shall be reduced through implementing the following measures, if feasible: <ul style="list-style-type: none"> ○ Installing electrical hook-ups for diesel trucks at loading docks. ○ Requiring trucks to use Transportation Refrigeration Units (TRU) that meet Tier 4 emission standards. ○ Requiring truck-intensive projects to use advanced exhaust technology (e.g., hybrid) or alternative fuels. ○ Prohibiting trucks from idling for more than two minutes. 			

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<ul style="list-style-type: none"> o Establishing truck routes to avoid sensitive receptors in the project. A truck route program, along with truck calming, parking, and delivery restrictions, shall be implemented. <p><i>b. Maintenance of Health Risk Reduction Measures</i> The project applicant shall maintain, repair, and/or replace installed health risk reduction measures, including but not limited to the HVAC system (if applicable), on an ongoing and as-needed basis. Prior to occupancy, the project applicant shall prepare and then distribute to the building manager/operator an operation and maintenance manual for the HVAC system and filter including the maintenance and replacement schedule for the filter.</p>			
<p>SCA-AIR-5: Stationary Sources of Air Pollution (Toxic Air Contaminants) (#24). The project applicant shall incorporate appropriate measures into the project design in order to reduce the potential health risk due to on-site stationary sources of toxic air contaminants. The project applicant shall choose one of the following methods:</p> <ul style="list-style-type: none"> a. The project applicant shall retain a qualified air quality consultant to prepare a Health Risk Assessment (HRA) in accordance with California Air Resources Board (CARB) and Office of Environmental Health and Hazard Assessment requirements to determine the health risk associated with proposed stationary sources of pollution in the project. The HRA shall be submitted to the City for review and approval. If the HRA concludes that the health risk is at or below acceptable levels, then health risk reduction measures are not required. If the HRA concludes the health risk exceeds acceptable levels, health risk reduction measures shall be identified to reduce the health risk to acceptable levels. Identified risk reduction measures shall be submitted to the City for review and approval and be included on the project drawings submitted for the construction-related permit or on other documentation submitted to the City. The approved risk reduction measures shall be implemented during construction and/or operations as applicable. - or - b. The project applicant shall incorporate the following health risk reduction measures into the project. These features shall be submitted to the City for review and approval and be included on the project drawings submitted for 	<ul style="list-style-type: none"> a. Prior to approval of construction-related permit b. Prior to approval of construction-related permit 	<ul style="list-style-type: none"> a. Bureau of Planning b. Bureau of Planning 	<ul style="list-style-type: none"> a. Bureau of Building b. Bureau of Building

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<p>Standard Conditions of Approval/ Mitigation Measures</p> <p>the construction-related permit or on other documentation submitted to the City:</p> <ul style="list-style-type: none"> i. Installation of non-diesel fueled generators, if feasible, or; ii. Installation of diesel generators with an EPA-certified Tier 4 engine or engines that are retrofitted with a CARB Level 3 Verified Diesel Emissions Control Strategy, if feasible. 			
Cultural Resources			
<p>SCA-CUL-1: Archaeological and Paleontological Resources – Discovery During Construction (#32)</p> <p>Pursuant to CEQA Guidelines Section 15064.5(f), in the event that any historic or prehistoric subsurface cultural resources are discovered during ground disturbing activities, all work within 50 feet of the resources shall be halted and the project applicant shall notify the City and consult with a qualified archaeologist or paleontologist, as applicable, to assess the significance of the find. In the case of discovery of paleontological resources, the assessment shall be done in accordance with the Society of Vertebrate Paleontology standards. If any find is determined to be significant, appropriate avoidance measures recommended by the consultant and approved by the City must be followed unless avoidance is determined unnecessary or infeasible by the City. Feasibility of avoidance shall be determined with consideration of factors such as the nature of the find, project design, costs, and other considerations. If avoidance is unnecessary or infeasible, other appropriate measures (e.g., data recovery, excavation) shall be instituted. Work may proceed on other parts of the project site while measures for the cultural resources are implemented.</p> <p>In the event of data recovery of archaeological resources, the project applicant shall submit an Archaeological Research Design and Treatment Plan (ARDTP) prepared by a qualified archaeologist for review and approval by the City. The ARDTP is required to identify how the proposed data recovery program would preserve the significant information the archaeological resource is expected to contain. The ARDTP shall identify the scientific/historic research questions applicable to the expected resource, the data classes the resource is expected to possess, and how the expected data classes would address the applicable research questions. The ARDTP shall include the analysis and specify the</p>	During construction	N/A	Bureau of Building

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<p>Standard Conditions of Approval/ Mitigation Measures</p> <p>curation and storage methods. Data recovery, in general, shall be limited to the portions of the archaeological resource that could be impacted by the proposed project. Destructive data recovery methods shall not be applied to portions of the archaeological resources if nondestructive methods are practicable. Because the intent of the ARDTP is to save as much of the archaeological resource as possible, including moving the resource, if feasible, preparation and implementation of the ARDTP would reduce the potential adverse impact to less than significant. The project applicant shall implement the ARDTP at his/her expense.</p> <p>In the event of excavation of paleontological resources, the project applicant shall submit an excavation plan prepared by a qualified paleontologist to the City for review and approval. All significant cultural materials recovered shall be subject to scientific analysis, professional museum curation, and/or a report prepared by a qualified paleontologist, as appropriate, according to current professional standards and at the expense of the project applicant.</p>			
<p>SCA-CUL-2: Archaeologically Sensitive Areas - Pre-Construction Measures (#33) The project applicant shall implement either Provision A (Intensive Pre-Construction Study) <u>or</u> Provision B (Construction ALERT Sheet) concerning archaeological resources.</p> <p>Provision A: Intensive Pre-Construction Study. The project applicant shall retain a qualified archaeologist to conduct a site-specific, intensive archaeological resources study for review and approval by the City prior to soil-disturbing activities occurring on the project site. The purpose of the site-specific, intensive archaeological resources study is to identify early the potential presence of history-period archaeological resources on the project site. At a minimum, the study shall include:</p> <ol style="list-style-type: none"> a. Subsurface presence/absence studies of the project site. Field studies may include, but are not limited to, auguring and other common methods used to identify the presence of archaeological resources. b. A report disseminating the results of this research. c. Recommendations for any additional measures that could be necessary to mitigate any adverse impacts to recorded and/or inadvertently discovered cultural resources. 	<p>Prior to approval of construction-related permit;</p>	<p>Bureau of Building; Bureau of Planning</p>	<p>Bureau of Building</p>

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<p>Standard Conditions of Approval/ Mitigation Measures</p> <p>If the results of the study indicate a high potential presence of historic-period archaeological resources on the project site, or a potential resource is discovered, the project applicant shall hire a qualified archaeologist to monitor any ground disturbing activities on the project site during construction and prepare an ALERT sheet pursuant to Provision B below that details what could potentially be found at the project site. Archaeological monitoring would include briefing construction personnel about the type of artifacts that may be present (as referenced in the ALERT sheet, required per Provision B below) and the procedures to follow if any artifacts are encountered, field recording and sampling in accordance with the Secretary of Interior’s Standards and Guidelines for Archaeological Documentation, notifying the appropriate officials if human remains or cultural resources are discovered, and preparing a report to document negative findings after construction is completed if no archaeological resources are discovered during construction.</p> <p>Provision B: Construction ALERT Sheet. The project applicant shall prepare a construction “ALERT” sheet developed by a qualified archaeologist for review and approval by the City prior to soil-disturbing activities occurring on the project site. The ALERT sheet shall contain, at a minimum, visuals that depict each type of artifact that could be encountered on the project site. Training by the qualified archaeologist shall be provided to the project’s prime contractor, any project subcontractor firms (including demolition, excavation, grading, foundation, and pile driving), and utility firms involved in soil-disturbing activities within the project site.</p> <p>The ALERT sheet shall state, in addition to the basic archaeological resource protection measures contained in other standard conditions of approval, all work must stop and the City’s Environmental Review Officer contacted in the event of discovery of the following cultural materials: concentrations of shellfish remains; evidence of fire (ashes, charcoal, burnt earth, fire-cracked rocks); concentrations of bones; recognizable Native American artifacts (arrowheads, shell beads, stone mortars [bowls], humanly shaped rock); building foundation remains; trash pits, privies (outhouse holes); floor remains; wells; concentrations of bottles, broken dishes, shoes, buttons, cut animal bones, hardware, household items, barrels, etc.; thick layers of burned building debris (charcoal, nails, fused glass, burned plaster, burned dishes);</p>			

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wood structural remains (building, ship, wharf); clay roof/floor tiles; stone walls or footings; or gravestones. Prior to any soil-disturbing activities, each contractor shall be responsible for ensuring that the ALERT sheet is circulated to all field personnel, including machine operators, field crew, pile drivers, and supervisory personnel. The ALERT sheet shall also be posted in a visible location at the project site.			
SCA-CUL-3: Human Remains – Discovery During Construction (#34) Pursuant to CEQA Guidelines section 15064.5(e)(1), in the event that human skeletal remains are uncovered at the project site during construction activities, all work shall immediately halt and the project applicant shall notify the City and the Alameda County Coroner. If the County Coroner determines that an investigation of the cause of death is required or that the remains are Native American, all work shall cease within 50 feet of the remains until appropriate arrangements are made. In the event that the remains are Native American, the City shall contact the California Native American Heritage Commission (NAHC), pursuant to subdivision (c) of Section 7050.5 of the California Health and Safety Code. If the agencies determine that avoidance is not feasible, then an alternative plan shall be prepared with specific steps and timeframe required to resume construction activities. Monitoring, data recovery, determination of significance, and avoidance measures (if applicable) shall be completed expeditiously and at the expense of the project applicant.	During construction	N/A	Bureau of Building
Geology, Soils and Geohazards			
SCA-GEO-1: Construction-Related Permit(s) (#36) The project applicant shall obtain all required construction-related permits/approvals from the City. The project shall comply with all standards, requirements and conditions contained in construction-related codes, including but not limited to the Oakland Building Code and the Oakland Grading Regulations, to ensure structural integrity and safe construction.	Prior to approval of construction-related permit	Bureau of Building	Bureau of Building
SCA-GEO-2: Seismic Hazards Zone (Landslide/Liquefaction) (#39) The project applicant shall submit a site-specific geotechnical report, consistent with California Geological Survey Special Publication 117 (as amended), prepared by a registered geotechnical engineer for City review and approval containing at a minimum a description of the geological and geotechnical conditions at the site, an evaluation of site-specific seismic	Prior to approval of construction-related permit	Bureau of Building	Bureau of Building

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hazards based on geological and geotechnical conditions, and recommended measures to reduce potential impacts related to liquefaction and/or slope stability hazards. The project applicant shall implement the recommendations contained in the approved report during project design and construction.			
Greenhouse Gas Emissions			
<p>SCA-GHG-1: Project Compliance with the Equitable Climate Action Checklist (#41)</p> <p>The project applicant shall implement all the measures in the Equitable Climate Action Plan (ECAP) Consistency Checklist that was submitted during the Planning entitlement phase.</p> <p>a. For physical ECAP Consistency Checklist measures to be incorporated into the design of the project, the measures shall be included on the drawings submitted for construction-related permits.</p> <p>b. For physical ECAP Consistency Checklist measures to be incorporated into the design of the project, the measures shall be implemented during construction.</p> <p>c. For ECAP Consistency Checklist measures that are operational but not otherwise covered by these SCAs, including but not limited to the requirement for transit passes or additional Transportation Demand Management measures, the applicant shall provide notice of these measures to employees and/or residents and post these requirements in a public place such as a lobby or work area accessible to the employees and/or residents.</p>	<p>a. Prior to approval of construction-related permit.</p> <p>b. During Construction</p> <p>c. Ongoing</p>	<p>a. Bureau of Planning</p> <p>b. Bureau of Planning</p> <p>c. Bureau of Planning</p>	<p>a. Bureau of Planning</p> <p>b. Bureau of Building</p> <p>c. Bureau of Planning</p>
Hazards and Hazardous Materials			
<p>SCA-HAZ-1: Hazardous Materials Related to Construction (#42)</p> <p>The project applicant shall ensure that Best Management Practices (BMPs) are implemented by the contractor during construction to minimize potential negative effects on groundwater, soils, and human health. These shall include, at a minimum, the following:</p> <p>a. Follow manufacture’s recommendations for use, storage, and disposal of chemical products used in construction;</p> <p>b. Avoid overtopping construction equipment fuel gas tanks;</p> <p>c. During routine maintenance of construction equipment, properly contain and remove grease and oils;</p>	During construction	N/A	Bureau of Building

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<p>d. Properly dispose of discarded containers of fuels and other chemicals;</p> <p>e. Implement lead-safe work practices and comply with all local, regional, state, and federal requirements concerning lead (for more information refer to the Alameda County Lead Poisoning Prevention Program); and</p> <p>f. If soil, groundwater, or other environmental medium with suspected contamination is encountered unexpectedly during construction activities (e.g., identified by odor or visual staining, or if any underground storage tanks, abandoned drums or other hazardous materials or wastes are encountered), the project applicant shall cease work in the vicinity of the suspect material, the area shall be secured as necessary, and the applicant shall take all appropriate measures to protect human health and the environment. Appropriate measures shall include notifying the City and applicable regulatory agency(ies) and implementation of the actions described in the City’s Standard Conditions of Approval, as necessary, to identify the nature and extent of contamination. Work shall not resume in the area(s) affected until the measures have been implemented under the oversight of the City or regulatory agency, as appropriate.</p>			
<p>SCA-HAZ-2: Hazardous Building Materials and Site Contamination (#43) a. Hazardous Building Materials Assessment The project applicant shall submit a comprehensive assessment report to the Bureau of Building, signed by a qualified environmental professional, documenting the presence or lack thereof of asbestos-containing materials (ACMs), lead-based paint, polychlorinated biphenyls (PCBs), and any other building materials or stored materials classified as hazardous materials by State or federal law. If lead-based paint, ACMs, PCBs, or any other building materials or stored materials classified as hazardous materials are present, the project applicant shall submit specifications prepared and signed by a qualified environmental professional, for the stabilization and/or removal of the identified hazardous materials in accordance with all applicable laws and regulations. The project applicant shall implement the approved recommendations and submit to the City evidence of approval for any</p>	<p>a. Prior to approval of demolition, grading, or building permits</p> <p>b. Prior to building permit final</p>	<p>a. Bureau of Building</p> <p>b. Oakland Fire Department</p>	<p>a. Bureau of Building</p> <p>b. Oakland Fire Department</p>

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<p>Standard Conditions of Approval/ Mitigation Measures</p> <p>proposed remedial action and required clearances by the applicable local, state, or federal regulatory agency.</p> <p>b. <i>Environmental Site Assessment Required</i> The project applicant shall submit a Hazardous Materials Business Plan for review and approval by the City, and shall implement the approved Plan. The approved Plan shall be kept on file with the City and the project applicant shall update the Plan as applicable. The purpose of the Hazardous Materials Business Plan is to ensure that employees are adequately trained to handle hazardous materials and provides information to the Fire Department should emergency response be required. Hazardous materials shall be handled in accordance with all applicable local, state, and federal requirements. The Hazardous Materials Business Plan shall include the following:</p> <p>a. The types of hazardous materials or chemicals stored and/or used on-site, such as petroleum fuel products, lubricants, solvents, and cleaning fluids.</p> <p>b. The location of such hazardous materials.</p> <p>c. An emergency response plan including employee training information.</p> <p>d. A plan that describes the manner in which these materials are handled, transported, and disposed.</p>			
<p>SCA-HAZ-3: Hazardous Materials Business Plan (#45) The project applicant shall submit a Hazardous Materials Business Plan for review and approval by the City, and shall implement the approved Plan. The approved Plan shall be kept on file with the City and the project applicant shall update the Plan as applicable. The purpose of the Hazardous Materials Business Plan is to ensure that employees are adequately trained to handle hazardous materials and provides information to the Fire Department should emergency response be required. Hazardous materials shall be handled in accordance with all applicable local, state, and federal requirements. The Hazardous Materials Business Plan shall include the following:</p> <p>a. The types of hazardous materials or chemicals stored and/or used on-site, such as petroleum fuel products, lubricants, solvents, and cleaning fluids.</p> <p>b. The location of such hazardous materials.</p> <p>c. An emergency response plan including employee training information.</p> <p>d. A plan that describes the manner in which these materials are handled, transported, and disposed.</p>	Prior to building permit final	Oakland Fire Department	Oakland Fire Department

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	When Required	Initial Approval	Monitoring/ Inspection
Hydrology and Water Quality			
<p>SCA-HYD-1: Erosion and Sedimentation Control Measures for Construction (#48) The project applicant shall implement Best Management Practices (BMPs) to reduce erosion, sedimentation, and water quality impacts during construction to the maximum extent practicable. At a minimum, the project applicant shall provide filter materials deemed acceptable to the City at nearby catch basins to prevent any debris and dirt from flowing into the City’s storm drain system and creeks.</p>	During construction	N/A	Bureau of Building
<p>SCA-HYD-2: State Construction General Permit (#50) The project applicant shall comply with the requirements of the Construction General Permit issued by the State Water Resources Control Board (SWRCB). The project applicant shall submit a Notice of Intent (NOI), Stormwater Pollution Prevention Plan (SWPPP), and other required Permit Registration Documents to SWRCB. The project applicant shall submit evidence of compliance with Permit requirements to the City.</p>	Prior to approval of construction-related permit	State Water Resources Control Board; evidence of compliance submitted to Bureau of Building	State Water Resources Control Board
<p>SCA-HYD-3: Source Control Measures to Limit Stormwater Pollution (#53) Pursuant to Provision C.3 of the Municipal Regional Stormwater Permit issued under the National Pollutant Discharge Elimination System (NPDES), the project applicant is encouraged to incorporate appropriate source control measures to limit pollution in stormwater runoff. These measures may include, but are not limited to, the following:</p> <ul style="list-style-type: none"> a. Stencil storm drain inlets “No Dumping – Drains to Bay;” b. Minimize the use of pesticides and fertilizers; c. Cover outdoor material storage areas, loading docks, repair/maintenance bays and fueling areas; d. Cover trash, food waste, and compactor enclosures; and e. Plumb the following discharges to the sanitary sewer system, subject to City approval: f. Discharges from indoor floor mats, equipment, hood filter, wash racks, and, covered outdoor wash racks for restaurants; g. Dumpster drips from covered trash, food waste, and compactor enclosures; 			

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<p>h. Discharges from outdoor covered wash areas for vehicles, equipment, and accessories;</p> <p>i. Swimming pool water, if discharge to on-site vegetated areas is not feasible; and</p> <p>j. Fire sprinkler test water if discharge to on-site vegetated areas is not feasible.</p>			
<p>SCA-HYD-4: NPDES C.3 Stormwater Requirements for Regulated Projects (#54).</p> <p>a. <i>Post-Construction Stormwater Management Plan Required</i> The project applicant shall comply with the requirements of Provision C.3 of the Municipal Regional Stormwater Permit issued under the National Pollutant Discharge Elimination System (NPDES). The project applicant shall submit a Post-Construction Stormwater Management Plan to the City for review and approval with the project drawings submitted for site improvements, and shall implement the approved Plan during construction. The Post-Construction Stormwater Management Plan shall include and identify the following:</p> <p>i. Location and size of new and replaced impervious surface;</p> <p>ii. Directional surface flow of stormwater runoff;</p> <p>iii. Location of proposed on-site storm drain lines;</p> <p>iv. Site design measures to reduce the amount of impervious surface area;</p> <p>v. Source control measures to limit stormwater pollution;</p> <p>vi. Stormwater treatment measures to remove pollutants from stormwater runoff, including the method used to hydraulically size the treatment measures; and</p> <p>vii. Hydromodification management measures, if required by Provision C.3, so that post-project stormwater runoff flow and duration match pre-project runoff.</p> <p>b. <i>Maintenance Agreement Required</i> The project applicant shall enter into a maintenance agreement with the City, based on the Standard City of Oakland Stormwater Treatment Measures Maintenance Agreement, in accordance with Provision C.3, which provides, in part, for the following:</p> <p>i. The project applicant accepting responsibility for the adequate installation/construction, operation, maintenance, inspection, and</p>	<p>a. Prior to approval of construction-related permit</p> <p>b. Prior to building permit final</p>	<p>a. Bureau of Planning; Bureau of Building</p> <p>b. Bureau of Building</p>	<p>a. Bureau of Building</p> <p>b. Bureau of Building</p>

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<p>Standard Conditions of Approval/ Mitigation Measures</p> <p>reporting of any on-site stormwater treatment measures being incorporated into the project until the responsibility is legally transferred to another entity; and</p> <p>ii. Legal access to the on-site stormwater treatment measures for representatives of the City, the local vector control district, and staff of the Regional Water Quality Control Board, San Francisco Region, for the purpose of verifying the implementation, operation, and maintenance of the on-site stormwater treatment measures and to take corrective action if necessary.</p> <p>The maintenance agreement shall be recorded at the County Recorder’s Office at the applicant’s expense.</p>			
Noise			
<p>SCA-NOI-1: Construction Days/Hours (#62) The project applicant shall comply with the following restrictions concerning construction days and hours:</p> <p>a. Construction activities are limited to between 7:00 a.m. and 7:00 p.m. Monday through Friday, except that pier drilling and/or other extreme noise generating activities greater than 90 dBA shall be limited to between 8:00 a.m. and 4:00 p.m.</p> <p>b. Construction activities are limited to between 9:00 a.m. and 5:00 p.m. on Saturday. In residential zones and within 300 feet of a residential zone, construction activities are allowed from 9:00 a.m. to 5:00 p.m. only within the interior of the building with the doors and windows closed. No pier drilling or other extreme noise generating activities greater than 90 dBA are allowed on Saturday.</p> <p>c. No construction is allowed on Sunday or federal holidays.</p> <p>Construction activities include, but are not limited to, truck idling, moving equipment (including trucks, elevators, etc.) or materials, deliveries, and construction meetings held on-site in a non-enclosed area.</p> <p>Any construction activity proposed outside of the above days and hours for special activities (such as concrete pouring which may require more continuous amounts of time) shall be evaluated on a case-by-case basis by the City, with</p>	During construction	N/A	Bureau of Building

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<p>Standard Conditions of Approval/ Mitigation Measures</p> <p>criteria including the urgency/emergency nature of the work, the proximity of residential or other sensitive uses, and a consideration of nearby residents’/occupants’ preferences. The project applicant shall notify property owners and occupants located within 300 feet at least 14 calendar days prior to construction activity proposed outside of the above days/hours. When submitting a request to the City to allow construction activity outside of the above days/hours, the project applicant shall submit information concerning the type and duration of proposed construction activity and the draft public notice for City review and approval prior to distribution of the public notice.</p>			
<p>SCA-NOI-2: Construction Noise (#63) The project applicant shall implement noise reduction measures to reduce noise impacts due to construction. Noise reduction measures include, but are not limited to, the following:</p> <ul style="list-style-type: none"> a. Equipment and trucks used for project construction shall utilize the best available noise control techniques (e.g., improved mufflers, equipment redesign, use of intake silencers, ducts, engine enclosures and acoustically-attenuating shields or shrouds) wherever feasible. b. Except as provided herein, impact tools (e.g., jack hammers, pavement breakers, and rock drills) used for project construction shall be hydraulically or electrically powered to avoid noise associated with compressed air exhaust from pneumatically powered tools. However, where use of pneumatic tools is unavoidable, an exhaust muffler on the compressed air exhaust shall be used; this muffler can lower noise levels from the exhaust by up to about 10 dBA. External jackets on the tools themselves shall be used, if such jackets are commercially available, and this could achieve a reduction of 5 dBA. Quieter procedures shall be used, such as drills rather than impact equipment, whenever such procedures are available and consistent with construction procedures. c. Applicant shall use temporary power poles instead of generators where feasible. d. Stationary noise sources shall be located as far from adjacent properties as possible, and they shall be muffled and enclosed within temporary sheds, incorporate insulation barriers, or use other measures as determined by the City to provide equivalent noise reduction. 	During construction	N/A	Bureau of Building

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e. The noisiest phases of construction shall be limited to less than 10 days at a time. Exceptions may be allowed if the City determines an extension is necessary and all available noise reduction controls are implemented.			
<p>SCA-NOI-3: Extreme Construction Noise (#64) <i>a. Construction Noise Management Plan Required</i> Prior to any extreme noise generating construction activities (e.g., pier drilling, pile driving and other activities generating greater than 90dBA), the project applicant shall submit a Construction Noise Management Plan prepared by a qualified acoustical consultant for City review and approval that contains a set of site-specific noise attenuation measures to further reduce construction impacts associated with extreme noise generating activities. The project applicant shall implement the approved Plan during construction. Potential attenuation measures include, but are not limited to, the following:</p> <ul style="list-style-type: none"> i. Erect temporary plywood noise barriers around the construction site, particularly along on sites adjacent to residential buildings; ii. Implement “quiet” pile driving technology (such as pre-drilling of piles, the use of more than one pile driver to shorten the total pile driving duration), where feasible, in consideration of geotechnical and structural requirements and conditions; iii. Utilize noise control blankets on the building structure as the building is erected to reduce noise emission from the site; iv. Evaluate the feasibility of noise control at the receivers by temporarily improving the noise reduction capability of adjacent buildings by the use of sound blankets for example and implement such measure if such measures are feasible and would noticeably reduce noise impacts; and v. Monitor the effectiveness of noise attenuation measures by taking noise measurements. <p><i>b. Public Notification Required</i> The project applicant shall notify property owners and occupants located within 300 feet of the construction activities at least 14 calendar days prior to commencing extreme noise generating activities. Prior to providing the notice, the project applicant shall submit to the City for review and approval the proposed type and duration of extreme noise generating activities and the</p>	<ul style="list-style-type: none"> a. Prior to approval of construction-related permit b. During construction 	<ul style="list-style-type: none"> a. Bureau of Building b. Bureau of Building 	<ul style="list-style-type: none"> a. Bureau of Building b. Bureau of Building

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proposed public notice. The public notice shall provide the estimated start and end dates of the extreme noise generating activities and describe noise attenuation measures to be implemented.			
<p>SCA-NOI-4: Construction Noise Complaints (#66) The project applicant shall submit to the City for review and approval a set of procedures for responding to and tracking complaints received pertaining to construction noise, and shall implement the procedures during construction. At a minimum, the procedures shall include:</p> <ul style="list-style-type: none"> a. Designation of an on-site construction complaint and enforcement manager for the project; b. A large on-site sign near the public right-of-way containing permitted construction days/hours, complaint procedures, and phone numbers for the project complaint manager and City Code Enforcement unit; c. Protocols for receiving, responding to, and tracking received complaints; and d. Maintenance of a complaint log that records received complaints and how complaints were addressed, which shall be submitted to the City for review upon the City's request. 	Prior to approval of construction-related permit	Bureau of Building	Bureau of Building
<p>SCA-NOI-5: Exposure to Community Noise (#67). The project applicant shall submit a Noise Reduction Plan prepared by a qualified acoustical engineer for City review and approval that contains noise reduction measures (e.g., sound-rated window, wall, and door assemblies) to achieve an acceptable interior noise level in accordance with the land use compatibility guidelines of the Noise Element of the Oakland General Plan. The applicant shall implement the approved Plan during construction. To the maximum extent practicable, interior noise levels shall not exceed the following:</p> <ul style="list-style-type: none"> a. 45 dBA: Residential activities, civic activities, hotels b. 50 dBA: Administrative offices; group assembly activities c. 55 dBA: Commercial activities d. 65 dBA: Industrial activities 	Prior to approval of construction-related permit	Bureau of Planning	Bureau of Building
<p>SCA NOI-6: Operational Noise (#68) Noise levels from the project site after completion of the project (i.e., during project operation) shall comply with the performance standards of Chapter</p>	Ongoing	N/A	Bureau of Building

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17.120 of the Oakland Planning Code and Chapter 8.18 of the Oakland Municipal Code. If noise levels exceed these standards, the activity causing the noise shall be abated until appropriate noise reduction measures have been installed and compliance verified by the City.			
<p>SCA-NOI-7: Exposure to Vibration (#69) The project applicant shall submit a Vibration Reduction Plan prepared by a qualified acoustical consultant for City review and approval that contains vibration reduction measures to reduce groundborne vibration to acceptable levels per Federal Transit Administration (FTA) standards. The applicant shall implement the approved Plan during construction. Potential vibration reduction measures include, but are not limited to, the following:</p> <p>a. Isolation of foundation and footings using resilient elements such as rubber bearing pads or springs, such as a “spring isolation” system that consists of resilient spring supports that can support the podium or residential foundations. The specific system shall be selected so that it can properly support the structural loads, and provide adequate filtering of groundborne vibration to the residences above.</p> <p>b. Trenching, which involves excavating soil between the railway and the project so that the vibration path is interrupted, thereby reducing the vibration levels before they enter the project’s structures. Since the reduction in vibration level is based on a ratio between trench depth and vibration wavelength, additional measurements shall be conducted to determine the vibration wavelengths affecting the project. Based on the resulting measurement findings, an adequate trench depth and, if required, suitable fill shall be identified (such as foamed styrene packing pellets [i.e., Styrofoam] or low-density polyethylene).</p>	Prior to approval of construction-related permit	Bureau of Planning	Bureau of Building
Public Services and Recreation			
<p>SCA-PUB-1: Capital Improvements Impact Fee (#73) The project applicant shall comply with the requirements of the City of Oakland Capital Improvements Fee Ordinance (Chapter 15.74 of the Oakland Municipal Code).</p>	Prior to issuance of building permit	Bureau of Building	N/A

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Transportation and Circulation			
<p>SCA-TRAN-1: Construction Activity in the Public Right-of-Way (#75) <i>a. Obstruction Permit Required</i> The project applicant shall obtain an obstruction permit from the City prior to placing any temporary construction-related obstruction in the public right-of-way, including City streets, sidewalks, bicycle facilities, and bus stops.</p> <p><i>b. Traffic Control Plan Required</i> In the event of obstructions to vehicle or bicycle travel lanes, bus stops, or sidewalks, the project applicant shall submit a Traffic Control Plan to the City for review and approval prior to obtaining an obstruction permit. The project applicant shall submit evidence of City approval of the Traffic Control Plan with the application for an obstruction permit. The Traffic Control Plan shall contain a set of comprehensive traffic control measures for auto, transit, bicycle, and pedestrian accommodations (or detours, if accommodations are not feasible), including detour signs if required, lane closure procedures, signs, cones for drivers, and designated construction access routes. The Traffic Control Plan shall be in conformance with the City’s Supplemental Design Guidance for Accommodating Pedestrians, Bicyclists, and Bus Facilities in Construction Zones. The project applicant shall implement the approved Plan during construction.</p> <p><i>c. Repair of City Streets</i> The project applicant shall repair any damage to the public right-of way, including streets and sidewalks caused by project construction at his/her expense within one week of the occurrence of the damage (or excessive wear), unless further damage/excessive wear may continue; in such case, repair shall occur prior to approval of the final inspection of the construction-related permit. All damage that is a threat to public health or safety shall be repaired immediately.</p>	<p>a. Prior to approval of construction-related permit</p> <p>b. Prior to approval of construction-related permit</p> <p>c. Prior to building permit final</p>	<p>a. Department of Transportation</p> <p>b. Department of Transportation</p> <p>c. N/A</p>	<p>a. Department of Transportation</p> <p>b. Department of Transportation</p> <p>c. Department of Transportation</p>
<p>SCA-TRAN-2: Bicycle Parking (#76) The project applicant shall comply with the City of Oakland Bicycle Parking Requirements (Chapter 17.118 of the Oakland Planning Code). The project drawings submitted for construction-related permits shall demonstrate compliance with the requirements.</p>	<p>Prior to approval of construction-related permit</p>	<p>Bureau of Planning</p>	<p>Bureau of Building</p>

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<p>SCA-TRAN-3: Transportation Improvements (#77) The project applicant shall implement the recommended on- and off-site transportation-related improvements contained within the Transportation Impact Review for the project (e.g., signal timing adjustments, restriping, signalization, traffic control devices, roadway reconfigurations, transportation demand management measures, and transit, pedestrian, and bicyclist amenities). The project applicant is responsible for funding and installing the improvements and shall obtain all necessary permits and approvals from the City and/or other applicable regulatory agencies such as, but not limited to, Caltrans (for improvements related to Caltrans facilities) and the California Public Utilities Commission (for improvements related to railroad crossings), prior to installing the improvements. To implement this measure for intersection modifications, the project applicant shall submit Plans, Specifications, and Estimates (PS&E) to the City for review and approval. All elements shall be designed to applicable City standards in effect at the time of construction and all new or upgraded signals shall include these enhancements as required by the City. All other facilities supporting vehicle travel and alternative modes through the intersection shall be brought up to both City standards and ADA standards (according to Federal and State Access Board guidelines) at the time of construction. Current City Standards call for, among other items, the elements listed below:</p> <ul style="list-style-type: none"> a. 2070L Type Controller with cabinet accessory b. GPS communication (clock) c. Accessible pedestrian crosswalks according to Federal and State Access Board guidelines with signals (audible and tactile) d. Countdown pedestrian head module switch out e. City Standard ADA wheelchair ramps f. Video detection on existing (or new, if required) g. Mast arm poles, full activation (where applicable) h. Polara Push buttons (full activation) i. Bicycle detection (full activation) j. Pull boxes k. Signal interconnect and communication with trenching (where applicable), or through existing conduit (where applicable), 600 feet maximum 	<p>Prior to building permit final or as otherwise specified</p>	<p>Bureau of Building; Department of Transportation</p>	<p>Bureau of Building</p>

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l. Conduit replacement contingency m. Fiber switch n. PTZ camera (where applicable) o. Transit Signal Priority (TSP) equipment consistent with other signals along corridor p. Signal timing plans for the signals in the coordination group q. Bi-directional curb ramps (where feasible, and if project is on a street corner) r. Upgrade ramps on receiving curb (where feasible, and if project is on a street corner)			
SCA-TRAN-4: Transportation and Parking Demand Management (#78) a. <i>Transportation and Parking Demand Management (TDM) Plan Required</i> The project applicant shall submit a Transportation and Parking Demand Management (TDM) Plan for review and approval by the City. i. The goals of the TDM Plan shall be the following: <ul style="list-style-type: none"> ▪ Reduce vehicle traffic and parking demand generated by the project to the maximum extent practicable. ▪ Achieve the following project vehicle trip reductions (VTR): <ul style="list-style-type: none"> ○ Projects generating 50-99 net new AM or PM peak hour vehicle trips: 10 percent VTR ○ Projects generating 100 or more net new AM or PM peak hour vehicle trips: 20 percent VTR ○ Increase pedestrian, bicycle, transit, and carpool/vanpool modes of travel. All four modes of travel shall be considered, as appropriate. ○ Enhance the City’s transportation system, consistent with City policies and programs. ii. The TDM Plan should include the following: <ul style="list-style-type: none"> ▪ Baseline existing conditions of parking and curbside regulations within the surrounding neighborhood that could affect the effectiveness of TDM strategies, including inventory of parking spaces and occupancy if applicable. ▪ Proposed TDM strategies to achieve VTR goals (see below). 	a. Prior to approval of planning application b. Prior to building permit final c. Ongoing	a. Bureau of Planning b. Bureau of Building c. Department of Transportation	a. N/A b. Bureau of Building c. Department of Transportation

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<p>iii. For employers with 100 or more employees at the subject site, the TDM Plan shall also comply with the requirements of Oakland Municipal Code Chapter 10.68 Employer-Based Trip Reduction Program.</p> <p>iv. The following TDM strategies must be incorporated into a TDM Plan based on a project location or other characteristics. When required, these mandatory strategies should be identified as a credit toward a project’s VTR.</p> <table border="1"> <thead> <tr> <th>Improvement</th> <th>Required by code or when...</th> </tr> </thead> <tbody> <tr> <td>Bus boarding bulbs or islands</td> <td> <ul style="list-style-type: none"> ▪ A bus boarding bulb or island does not already exist and a bus stop is located along the project frontage; and/or ▪ A bus stop along the project frontage serves a route with 15 minutes or better peak hour service and has a shared bus-bike lane curb </td> </tr> <tr> <td>Bus shelter</td> <td> <ul style="list-style-type: none"> ▪ A stop with no shelter is located within the project frontage, or ▪ The project is located within 0.10 miles of a flag stop with 25 or more boardings per day </td> </tr> <tr> <td>Concrete bus pad</td> <td> <ul style="list-style-type: none"> ▪ A bus stop is located along the project frontage and a concrete bus pad does not already exist </td> </tr> <tr> <td>Curb extensions or bulb-outs</td> <td> <ul style="list-style-type: none"> ▪ Identified as an improvement within site analysis </td> </tr> <tr> <td>Implementation of a corridor-level bikeway improvement</td> <td> <ul style="list-style-type: none"> ▪ A buffered Class II or Class IV bikeway facility is in a local or county adopted plan within 0.10 miles of the project location; and ▪ The project would generate 500 or more daily bicycle trips </td> </tr> <tr> <td>Implementation of a corridor-level transit capital improvement</td> <td> <ul style="list-style-type: none"> ▪ A high-quality transit facility is in a local or county adopted plan within 0.25 miles of the project location; and ▪ The project would generate 400 or more peak period transit trips </td> </tr> <tr> <td>Installation of amenities such as lighting; pedestrian-oriented green infrastructure, trees, or other greening landscape;</td> <td> <ul style="list-style-type: none"> ▪ Always required </td> </tr> </tbody> </table>		Improvement	Required by code or when...	Bus boarding bulbs or islands	<ul style="list-style-type: none"> ▪ A bus boarding bulb or island does not already exist and a bus stop is located along the project frontage; and/or ▪ A bus stop along the project frontage serves a route with 15 minutes or better peak hour service and has a shared bus-bike lane curb 	Bus shelter	<ul style="list-style-type: none"> ▪ A stop with no shelter is located within the project frontage, or ▪ The project is located within 0.10 miles of a flag stop with 25 or more boardings per day 	Concrete bus pad	<ul style="list-style-type: none"> ▪ A bus stop is located along the project frontage and a concrete bus pad does not already exist 	Curb extensions or bulb-outs	<ul style="list-style-type: none"> ▪ Identified as an improvement within site analysis 	Implementation of a corridor-level bikeway improvement	<ul style="list-style-type: none"> ▪ A buffered Class II or Class IV bikeway facility is in a local or county adopted plan within 0.10 miles of the project location; and ▪ The project would generate 500 or more daily bicycle trips 	Implementation of a corridor-level transit capital improvement	<ul style="list-style-type: none"> ▪ A high-quality transit facility is in a local or county adopted plan within 0.25 miles of the project location; and ▪ The project would generate 400 or more peak period transit trips 	Installation of amenities such as lighting; pedestrian-oriented green infrastructure, trees, or other greening landscape;	<ul style="list-style-type: none"> ▪ Always required 			
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and trash receptacles per the Pedestrian Master Plan and any applicable streetscape plan.				
Installation of safety improvements identified in the Pedestrian Master Plan (such as crosswalk striping, curb ramps, count down signals, bulb outs, etc.)	<ul style="list-style-type: none"> When improvements are identified in the Pedestrian Master Plan along project frontage or at an adjacent intersection 			
In-street bicycle corral	<ul style="list-style-type: none"> A project includes more than 10,000 square feet of ground floor retail, is located along a Tier 1 bikeway, and on-street vehicle parking is provided along the project frontages. 			
Intersection improvements ^a	<ul style="list-style-type: none"> Identified as an improvement within site analysis 			
New sidewalk, curb ramps, curb and gutter meeting current City and ADA standards	<ul style="list-style-type: none"> Always required 			
No monthly permits and establish minimum price floor for public parking ^b	<ul style="list-style-type: none"> If proposed parking ratio exceeds 1:1000 sf. (commercial) 			
Parking garage is designed with retrofit capability	<ul style="list-style-type: none"> Optional if proposed parking ratio exceeds 1:1.25 (residential) or 1:1000 sf. (commercial) 			
Parking space reserved for car share	<ul style="list-style-type: none"> If a project is providing parking and a project is located within downtown. One car share space reserved for buildings between 50 - 200 units, then one car share space per 200 units. 			
Paving, lane striping or restriping (vehicle and bicycle), and signs to midpoint of street section	<ul style="list-style-type: none"> Typically required 			
Pedestrian crossing improvements	<ul style="list-style-type: none"> Identified as an improvement within site analysis 			
Pedestrian-supportive signal changes ^c	<ul style="list-style-type: none"> Identified as an improvement within operations analysis 			

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Real-time transit information system	<ul style="list-style-type: none"> A project frontage block includes a bus stop or BART station and is along a Tier 1 transit route with 2 or more routes or peak period frequency of 15 minutes or better 			
Relocating bus stops to far side	<ul style="list-style-type: none"> A project is located within 0.10 mile of any active bus stop that is currently near-side 			
Signal upgrades ^d	<ul style="list-style-type: none"> Project size exceeds 100 residential units, 80,000 sf. of retail, or 100,000 sf. of commercial; and Project frontage abuts an intersection with signal infrastructure older than 15 years 			
Transit queue jumps	<ul style="list-style-type: none"> Identified as a needed improvement within operations analysis of a project with frontage along a Tier 1 transit route with 2 or more routes or peak period frequency of 15 minutes or better 			
Trenching and placement of conduit for providing traffic signal interconnect	<ul style="list-style-type: none"> Project size exceeds 100 units, 80,000 sf. of retail, or 100,000 sf. of commercial; and Project frontage block is identified for signal interconnect improvements as part of a planned ITS improvement; and A major transit improvement is identified within operations analysis requiring traffic signal interconnect 			
Unbundled parking	<ul style="list-style-type: none"> If proposed parking ratio exceeds 1:1.25 (residential) 			
<p>^a Including but not limited to visibility improvements, shortening corner radii, pedestrian safety islands, accounting for pedestrian desire lines.</p> <p>^b May also provide a cash incentive or transit pass alternative to a free parking space in commercial properties.</p> <p>^c Including but not limited to reducing signal cycle lengths to less than 90 seconds to avoid pedestrian crossings against the signal, providing a leading pedestrian interval, provide a “scramble” signal phase where appropriate.</p> <p>^d Including typical traffic lights, pedestrian signals, bike actuated signals, transit-only signals.</p> <p>v. Other TDM strategies to consider include, but are not limited to, the following:</p>				

Standard Conditions of Approval/ Mitigation Measures	Standard Conditions of Approval and Mitigation Measures Implementation/Monitoring		
	When Required	Initial Approval	Monitoring/ Inspection
<ul style="list-style-type: none"> i. Inclusion of additional long-term and short-term bicycle parking that meets the design standards set forth in Chapter five of the Bicycle Master Plan and the Bicycle Parking Ordinance (Chapter 17.117 of the Oakland Planning Code), and shower and locker facilities in commercial developments that exceed the requirement. ii. Construction of and/or access to bikeways per the Bicycle Master Plan; construction of priority bikeways, on-site signage and bike lane striping. iii. Installation of safety elements per the Pedestrian Master Plan (such as crosswalk striping, curb ramps, count down signals, bulb outs, etc.) to encourage convenient and safe crossing at arterials, in addition to safety elements required to address safety impacts of the project. iv. Installation of amenities such as lighting, street trees, and trash receptacles per the Pedestrian Master Plan, the Master Street Tree List and Tree Planting Guidelines (which can be viewed at http://www2.oaklandnet.com/oakca1/groups/pwa/documents/report/oako42662.pdf and http://www2.oaklandnet.com/oakca1/groups/pwa/documents/form/oako25595.pdf, respectively) And any applicable streetscape plan. v. Construction and development of transit stops/shelters, pedestrian access, way finding signage, and lighting around transit stops per transit agency plans or negotiated improvements. vi. Direct on-site sales of transit passes purchased and sold at a bulk group rate (through programs such as AC Transit Easy Pass or a similar program through another transit agency). vii. Provision of a transit subsidy to employees or residents, determined by the project applicant and subject to review by the City, if employees or residents use transit or commute by other alternative modes. viii. Provision of an ongoing contribution to transit service to the area between the project and nearest mass transit station prioritized as follows: 1) Contribution to AC Transit bus service; 2) Contribution to an existing area shuttle service; and 3) Establishment of new shuttle service. The amount of contribution (for any of the above scenarios) would be based upon the cost of establishing new shuttle service (Scenario 3). 			

Standard Conditions of Approval/ Mitigation Measures	Standard Conditions of Approval and Mitigation Measures Implementation/Monitoring		
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<ul style="list-style-type: none"> ix. Guaranteed ride home program for employees, either through 511.org or through separate program. x. Pre-tax commuter benefits (commuter checks) for employees. xi. Free designated parking spaces for on-site car-sharing program (such as City Car Share, Zip Car, etc.) and/or car-share membership for employees or tenants. xii. On-site carpooling and/or vanpool program that includes preferential (discounted or free) parking for carpools and vanpools. xiii. Distribution of information concerning alternative transportation options. xiv. Parking spaces sold/leased separately for residential units. Charge employees for parking, or provide a cash incentive or transit pass alternative to a free parking space in commercial properties. xv. Parking management strategies including attendant/valet parking and shared parking spaces. xvi. Requiring tenants to provide opportunities and the ability to work off-site. xvii. Allow employees or residents to adjust their work schedule in order to complete the basic work requirement of five eight-hour workdays by adjusting their schedule to reduce vehicle trips to the worksite (e.g., working four, ten-hour days; allowing employees to work from home two days per week). xviii. Provide or require tenants to provide employees with staggered work hours involving a shift in the set work hours of all employees at the workplace or flexible work hours involving individually determined work hours. xix. The TDM Plan shall indicate the estimated VTR for each strategy, based on published research or guidelines where feasible. For TDM Plans containing ongoing operational VTR strategies, the Plan shall include an ongoing monitoring and enforcement program to ensure the Plan is implemented on an ongoing basis during project operation. If an annual compliance report is required, as explained below, the TDM Plan shall also specify the topics to be addressed in the annual report. <p>b. <i>TDM Implementation – Physical Improvements</i></p>			

	Standard Conditions of Approval and Mitigation Measures Implementation/Monitoring		
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<p>Standard Conditions of Approval/ Mitigation Measures</p> <p>For VTR strategies involving physical improvements, the project applicant shall obtain the necessary permits/approvals from the City and install the improvements prior to the completion of the project.</p> <p><i>c. TDM Implementation – Operational Strategies</i> For projects that generate 100 or more net new a.m. or p.m. peak hour vehicle trips and contain ongoing operational VTR strategies, the project applicant shall submit an annual compliance report for the first five years following completion of the project (or completion of each phase for phased projects) for review and approval by the City. The annual report shall document the status and effectiveness of the TDM program, including the actual VTR achieved by the project during operation. If deemed necessary, the City may elect to have a peer review consultant, paid for by the project applicant, review the annual report. If timely reports are not submitted and/or the annual reports indicate that the project applicant has failed to implement the TDM Plan, the project will be considered in violation of the Conditions of Approval and the City may initiate enforcement action as provided for in these Conditions of Approval. The project shall not be considered in violation of this Condition if the TDM Plan is implemented but the VTR goal is not achieved.</p>			
<p>SCA-TRAN-5: Transportation Impact Fee (#79) The project applicant shall comply with the requirements of the City of Oakland Transportation Impact Fee Ordinance (Chapter 15.74 of the Oakland Municipal Code).</p>	Prior to issuance of building permit	Bureau of Building	N/A
<p>SCA-TRAN-6: Plug-In Electric Vehicle (PEV) Charging Infrastructure (#81) <i>a. PEV-Ready Parking Spaces</i> The applicant shall submit, for review and approval of the Building Official and the Zoning Manager, plans that show the location of parking spaces equipped with full electrical circuits designated for future PEV charging (i.e. "PEV-Ready") per the requirements of Chapter 15.04 of the Oakland Municipal Code. Building electrical plans shall indicate sufficient electrical capacity to supply the required PEV-Ready parking spaces. <i>b. PEV-Capable Parking Spaces</i> The applicant shall submit, for review and approval of the Building Official, plans that show the location of inaccessible conduit to supply PEV-capable</p>	<p>a. Prior to issuance of building permit</p> <p>b. Prior to issuance of building permit</p> <p>c. Prior to issuance of building permit</p>	<p>a. Bureau of Building</p> <p>b. Bureau of Building</p> <p>c. Bureau of Building</p>	<p>a. Bureau of Building</p> <p>b. Bureau of Building</p> <p>c. Bureau of Building</p>

	Standard Conditions of Approval and Mitigation Measures Implementation/Monitoring		
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parking spaces per the requirements of Chapter 15.04 of the Oakland Municipal Code. Building electrical plans shall indicate sufficient electrical capacity to supply the required PEV-capable parking spaces. <i>c. ADA-Accessible Spaces</i> The applicant shall submit, for review and approval of the Building Official, plans that show the location of future accessible EV parking spaces as required under Title 24 Chapter 11B Table 11B-228.3.2.1, and specify plans to construct all future accessible EV parking spaces with appropriate grade, vertical clearance, and accessible path of travel to allow installation of accessible EV charging station(s).			
Utilities and Service Systems			
SCA-UTIL-1: Construction and Demolition Waste Reduction and Recycling (#82) The project applicant shall comply with the City of Oakland Construction and Demolition Waste Reduction and Recycling Ordinance (chapter 15.34 of the Oakland Municipal Code) by submitting a Construction and Demolition Waste Reduction and Recycling Plan (WRRP) for City review and approval, and shall implement the approved WRRP. Projects subject to these requirements include all new construction, renovations/alterations/modifications with construction values of \$50,000 or more (except R-3 type construction), and all demolition (including soft demolition) except demolition of type R-3 construction. The WRRP must specify the methods by which the project will divert construction and demolition debris waste from landfill disposal in accordance with current City requirements. The WRRP may be submitted electronically at www.greenhalosystems.com or manually at the City’s Green Building Resource Center. Current standards, FAQs, and forms are available on the City’s website and in the Green Building Resource Center.	Prior to approval of construction-related permit	Public Works Department, Environmental Services Department	Public Works Department, Environmental Services Department

	Standard Conditions of Approval and Mitigation Measures Implementation/Monitoring		
	When Required	Initial Approval	Monitoring/ Inspection
<p>Standard Conditions of Approval/ Mitigation Measures</p> <p>SCA-UTIL-2: Underground Utilities (#83) The project applicant shall place underground all new utilities serving the project and under the control of the project applicant and the City, including all new gas, electric, cable, and telephone facilities, fire alarm conduits, street light wiring, and other wiring, conduits, and similar facilities. The new facilities shall be placed underground along the project’s street frontage and from the project structures to the point of service. Utilities under the control of other agencies, such as PG&E, shall be placed underground if feasible. All utilities shall be installed in accordance with standard specifications of the serving utilities.</p>	During construction	N/A	Bureau of Building
<p>SCA-UTIL-3: Recycling Collection and Storage Space (#84) The project applicant shall comply with the City of Oakland Recycling Space Allocation Ordinance (Chapter 17.118 of the Oakland Planning Code). The project drawings submitted for construction-related permits shall contain recycling collection and storage areas in compliance with the Ordinance. For residential projects, at least two (2) cubic feet of storage and collection space per residential unit is required, with a minimum of ten (10) cubic feet. For nonresidential projects, at least two (2) cubic feet of storage and collection space per 1,000 square feet of building floor area is required, with a minimum of ten (10) cubic feet.</p>	Prior to approval of construction-related permit	Bureau of Planning	Bureau of Building
<p>SCA-UTIL-4: Green Building Requirements (#85) <i>a. Compliance with Green Building Requirements During Plan-Check</i> The project applicant shall comply with the requirements of the California Green Building Standards (CALGreen) mandatory measures and the applicable requirements of the City of Oakland Green Building Ordinance (Chapter 18.02 of the Oakland Municipal Code). <i>i.</i> The following information shall be submitted to the City for review and approval with the application for a building permit:</p> <ul style="list-style-type: none"> ▪ Documentation showing compliance with Title 24 of the current version of the California Building Energy Efficiency Standards. ▪ Completed copy of the final green building checklist approved during the review of the Planning and Zoning permit. ▪ Copy of the Unreasonable Hardship Exemption, if granted, during the review of the Planning and Zoning permit. 	<p>a. Prior to approval of construction-related permit</p> <p>b. During construction</p> <p>c. Prior to final approval</p>	<p>a. Bureau of Building</p> <p>b. N/A</p> <p>c. Bureau of Planning</p>	<p>a. N/A</p> <p>b. Bureau of Building</p> <p>c. Bureau of Building</p>

Standard Conditions of Approval/ Mitigation Measures	Standard Conditions of Approval and Mitigation Measures Implementation/Monitoring		
	When Required	Initial Approval	Monitoring/ Inspection
<ul style="list-style-type: none"> ▪ Permit plans that show, in general notes, detailed design drawings, and specifications as necessary, compliance with the items listed in subsection (ii) below. ▪ Copy of the signed statement by the Green Building Certifier approved during the review of the Planning and Zoning permit that the project complied with the requirements of the Green Building Ordinance. ▪ Signed statement by the Green Building Certifier that the project still complies with the requirements of the Green Building Ordinance, unless an Unreasonable Hardship Exemption was granted during the review of the Planning and Zoning permit. ▪ Other documentation as deemed necessary by the City to demonstrate compliance with the Green Building Ordinance. <p>ii. The set of plans in subsection (i) shall demonstrate compliance with the following:</p> <ul style="list-style-type: none"> ▪ CALGreen mandatory measures ▪ 23 points per the appropriate checklist approved during the Planning entitlement process. ▪ All green building points identified on the checklist approved during review of the Planning and Zoning permit, unless a Request for Revision Plan-check application is submitted and approved by the Bureau of Planning that shows the previously approved points that will be eliminated or substituted. ▪ The required green building point minimums in the appropriate credit categories. <p>b. <i>Compliance with Green Building Requirements During Construction</i> The project applicant shall comply with the applicable requirements of CALGreen and the Oakland Green Building Ordinance during construction of the project.</p> <p>The following information shall be submitted to the City for review and approval:</p> <p>i. Completed copies of the green building checklists approved during the review of the Planning and Zoning permit and during the review of the building permit.</p>			

Standard Conditions of Approval/ Mitigation Measures	Standard Conditions of Approval and Mitigation Measures Implementation/Monitoring		
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<p>ii. Signed statement(s) by the Green Building Certifier during all relevant phases of construction that the project complies with the requirements of the Green Building Ordinance.</p> <p>iii. Other documentation as deemed necessary by the City to demonstrate compliance with the Green Building Ordinance.</p> <p>c. <i>Compliance with Green Building Requirements After Construction</i> Prior to the finalizing the Building Permit, the Green Building Certifier shall submit the appropriate documentation to City staff and attain the minimum required point level.</p>			
<p>SCA-UTIL-5: Sanitary Sewer System (#87) The project applicant shall prepare and submit a Sanitary Sewer Impact Analysis to the City for review and approval in accordance with the City of Oakland Sanitary Sewer Design Guidelines. The Impact Analysis shall include an estimate of pre-project and post-project wastewater flow from the project site. In the event that the Impact Analysis indicates that the net increase in project wastewater flow exceeds City-projected increases in wastewater flow in the sanitary sewer system, the project applicant shall pay the Sanitary Sewer Impact Fee in accordance with the City’s Master Fee Schedule for funding improvements to the sanitary sewer system.</p>	Prior to approval of construction-related permit	Public Works Department, Department of Engineering and Construction	N/A
<p>SCA-UTIL-6: Storm Drain System (#88) The project storm drainage system shall be designed in accordance with the City of Oakland’s Storm Drainage Design Guidelines. To the maximum extent practicable, peak stormwater runoff from the project site shall be reduced by at least 25 percent compared to the pre-project condition.</p>	Prior to approval of construction-related permit	Bureau of Building	Bureau of Building
<p>SCA-UTIL-7: Recycled Water (#89) Pursuant to section 16.08.030 of the Oakland Municipal Code, the project applicant shall provide for the use of recycled water in the project for landscape irrigation purposes unless the City determines that there is a higher and better use for the recycled water, the use of recycled water is not economically justified for the project, or the use of recycled water is not financially or technically feasible for the project. Feasible recycled water uses may include, but are not limited to, landscape irrigation, commercial and industrial process use, and toilet and urinal flushing in non-residential buildings. The project applicant shall contact the New Business Office of the</p>	Prior to approval of construction-related permit	Bureau of Planning; Bureau of Building	Bureau of Building

	Standard Conditions of Approval and Mitigation Measures Implementation/Monitoring		
	When Required	Initial Approval	Monitoring/ Inspection
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East Bay Municipal Utility District (EBMUD) for a recycled water feasibility assessment by the Office of Water Recycling. If recycled water is to be provided in the project, the project drawings submitted for construction-related permits shall include the proposed recycled water system and the project applicant shall install the recycled water system during construction.			
<p>SCA-UTIL-8: Water Efficient Landscape Ordinance (WELO) (#90) The project applicant shall comply with California’s Water Efficient Landscape Ordinance (WELO) in order to reduce landscape water usage. For any landscape project with an aggregate (total noncontiguous) landscape area equal to 2,500 sq. ft. or less. The project applicant may implement either the Prescriptive Measures or the Performance Measures, of, and in accordance with the California’s Model Water Efficient Landscape Ordinance. For any landscape project with an aggregate (total noncontiguous) landscape area over 2,500 sq. ft., the project applicant shall implement the Performance Measures in accordance with the WELO.</p> <p><i>Prescriptive Measures:</i> Prior to construction, the project applicant shall submit documentation showing compliance with Appendix D of California’s Model Water Efficient Landscape Ordinance (see website below starting on page 23): http://www.water.ca.gov/wateruseefficiency/landscapeordinance/docs/Title%2023%20extract%20-%20Official%20CCR%20pages.pdf</p> <p><i>Performance Measures</i> Prior to construction, the project applicant shall prepare and submit a Landscape Documentation Package for review and approval, which includes the following</p> <p>a. Project Information:</p> <ul style="list-style-type: none"> i. Date, ii. Applicant and property owner name, iii. Project address, iv. Total landscape area, v. Project type (new, rehabilitated, cemetery, or home owner installed), vi. Water supply type and water purveyor, vii. Checklist of documents in the package, and 	Prior to approval of construction-related permit	Bureau of Planning	Bureau of Building

Standard Conditions of Approval/ Mitigation Measures	Standard Conditions of Approval and Mitigation Measures Implementation/Monitoring		
	When Required	Initial Approval	Monitoring/ Inspection
<p>viii. Applicant signature and date with the statement: "I agree to comply with the requirements of the water efficient landscape ordinance and submit a complete Landscape Documentation Package."</p> <p>b. Water Efficient Landscape Worksheet</p> <p>i. Hydrozone Information Table</p> <p>ii. Water Budget Calculations with Maximum Applied Water Allowance (MAWA) and Estimated Total Water Use</p> <p>c. Soil Management Report</p> <p>d. Landscape Design Plan</p> <p>e. Irrigation Design Plan, and</p> <p>f. Grading Plan</p> <p>Upon installation of the landscaping and irrigation systems, the Project applicant shall submit a Certificate of Completion and landscape and irrigation maintenance schedule for review and approval by the City. The Certificate of Compliance shall also be submitted to the local water purveyor and property owner or his or her designee.</p> <p>For the specific requirements within the Water Efficient Landscape Worksheet, Soil Management Report, Landscape Design Plan, Irrigation Design Plan and Grading Plan, see the link below. http://www.water.ca.gov/wateruseefficiency/landscapeordinance/docs/Title%2023%20extract%20-%20Official%20CCR%20pages.pdf</p>			
Other Standard Conditions			
<p>SCA-OTHER-1: Public Art for Private Development (#93). The project is subject to the City’s Public Art Requirements for Private Development, adopted by Ordinance No. 13275 C.M.S. (“Ordinance”). The public art contribution requirements are equivalent to one-half percent (0.5%) for the “residential” building development costs, and one percent (1.0%) for the “non-residential” building development costs.</p> <p>The contribution requirement can be met through: 1) the installation of freely accessible art at the site; 2) the installation of freely accessible art within one-quarter mile of the site; or 3) satisfaction of alternative compliance methods</p>	<p>Payment of in-lieu fees and/or plans showing fulfillment of public art requirement – Prior to Issuance of Building permit Installation of art/cultural space –</p>	Bureau of Planning	Bureau of Building

	Standard Conditions of Approval and Mitigation Measures Implementation/Monitoring		
	When Required	Initial Approval	Monitoring/ Inspection
<p>Standard Conditions of Approval/ Mitigation Measures</p> <p>described in the Ordinance, including, but not limited to, payment of an in-lieu fee contribution. The applicant shall provide proof of full payment of the in-lieu contribution and/or provide plans, for review and approval by the Planning Director, showing the installation or improvements required by the Ordinance prior to issuance of a building permit.</p> <p>Proof of installation of artwork, or other alternative requirement, is required prior to the City’s issuance of a final certificate of occupancy for each phase of a project unless a separate, legal binding instrument is executed ensuring compliance within a timely manner subject to City approval.</p>	Prior to Issuance of a Certificate of Occupancy.		

GOLDEN WEST

PLANNING COMMISSION 01/01/21

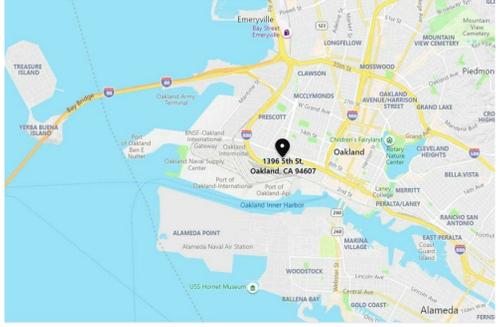
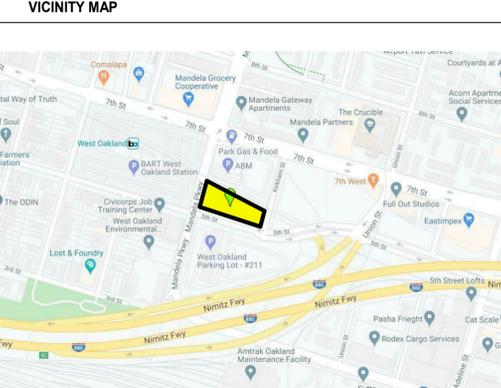
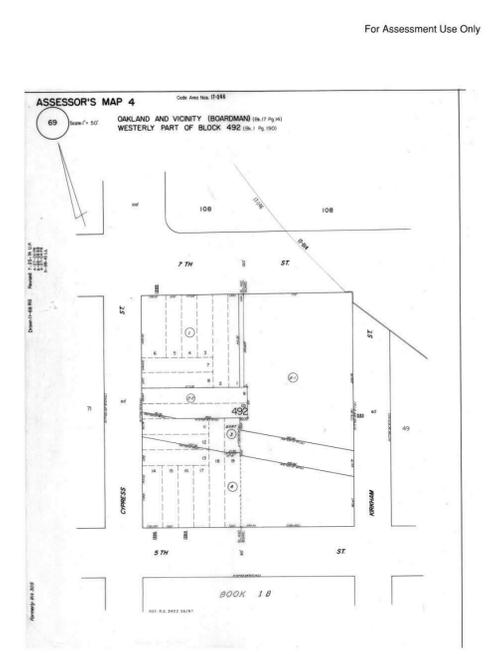


**1396 5TH STREET
WEST OAKLAND, CA**

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2019 CALIFORNIA PLUMBING CODE & AMENDMENTS (CPC)	
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2019 CALIFORNIA BUILDING CODE CHAPTER 11B	
2019 NFPA 13	
2019 NFPA 14	
2019 NFPA 72	

PROJECT TEAM		
OWNER	ARCHITECT	LANDSCAPE
Oakland Housing Investors, LP 2236 Longport Court Suite 100 Elk Grove, CA 95758 Tel: 310.709.1887 Contact: Scott Cooper	BDE Architecture 935 Howard Street San Francisco, CA 94103 Contact: Nathan Simpson Tel: 415.967.6815	THE GUZZARDO PARTNERSHIP INC. 181 Greenwich Street San Francisco, CA 94111 Tel: 415.433.4672 Contact: James Stockham
JOINT TRENCH	CIVIL	
TARRAR 813 First Street Brentwood, CA 94513 Tel: 314.616.9198 Contact: Haider Kammonah	BKF ENGINEERS 1730 N. First Street, Suite 600 San Jose, CA 95112 Tel: 408.606.6676 Contact: Casey Jumanan	

PROJECT DESCRIPTION		SITE MAP																																																																				
<p>PLANNING & BUILDING CODE SUMMARY</p> <p>PROJECT DESCRIPTION A PRIVATELY FUNDED RESIDENTIAL BUILDING WITH PARKING GARAGE. THE PROJECT IS ONE BUILDING CONSISTING OF THE ELEMENTS DESCRIBED BELOW. • A 5-STORY RESIDENTIAL BUILDING OF TYPE IIIA OVER 3 LEVELS OF TYPE I-A • 222 RESIDENTIAL DWELLING UNITS. SEE STATISTICS FOR MORE INFORMATION. • ALL RESIDENTIAL UNITS ARE ADAPTABLE (ACCESSIBLE PER CHAPTER 11A). UNITS ABOVE THE GROUND FLOOR ARE ACCESSED VIA ELEVATOR. • ALL PUBLIC AREAS ARE ACCESSIBLE PER CHAPTER 11B AND ALL COMMON AREAS AND CIRCULATION SPACES ARE PER CBC11A. • ALL PORTIONS OF THE PROJECT ARE FULLY SPRINKLERED PER 903.3.1.1 / NFPA 13. ALL REFERENCES TO "AUTOMATIC SPRINKLERS SYSTEM" MEAN "PER 903.3.1.1 / NFPA 13". • AT-GRADE PARKING GARAGE IS ENCLOSED AND MECHANICALLY VENTILATED. • PROJECT INCLUDES RELEVANT SITE WORK, INCLUDING EXCAVATION, GRADING, PAVING, LANDSCAPING AND UTILITY CONNECTIONS AS REQUIRED FOR A COMPLETE PROJECT.</p> <p>ZONING: S-15W HEIGHT AREA: 160' PROJECT LOCATION: 1396 5TH STREET, OAKLAND, CA ASSESSOR'S PARCEL NUMBER: 004 006900400 LOT AREA: 38,394 SQ.FT.</p> <p>PROPOSED NET FLOOR AREA PER OAKLAND PLANNING CODE:</p> <table border="1"> <thead> <tr> <th>FLOOR</th> <th>OCCUPANCY</th> <th>NET AREA</th> </tr> </thead> <tbody> <tr> <td>FLOOR 1 PARKING, AMENITY</td> <td>B + S-2 + A-3</td> <td>17,895 SQ.FT</td> </tr> <tr> <td>FLOOR 2 RESIDENTIAL</td> <td>R-2</td> <td>26,120 SQ.FT</td> </tr> <tr> <td>FLOOR 3 RESIDENTIAL</td> <td>R-2</td> <td>26,378 SQ.FT</td> </tr> <tr> <td>FLOOR 4 RESIDENTIAL</td> <td>R-2</td> <td>26,378 SQ.FT</td> </tr> <tr> <td>FLOOR 5 RESIDENTIAL</td> <td>R-2</td> <td>26,378 SQ.FT</td> </tr> <tr> <td>FLOOR 6 RESIDENTIAL</td> <td>R-2</td> <td>26,378 SQ.FT</td> </tr> <tr> <td>FLOOR 7 RESIDENTIAL</td> <td>R-2</td> <td>26,378 SQ.FT</td> </tr> <tr> <td>FLOOR 8 RESIDENTIAL</td> <td>R-2+ A3</td> <td>25,366 SQ.FT</td> </tr> <tr> <td>TOTAL</td> <td></td> <td>201,261 SQ.FT.</td> </tr> </tbody> </table> <p>NOTE: PER THE OAKLAND CODE, THE BUILDING FLOOR AREA COVERS ALL AREAS WITHIN THE BUILDING CONTAINING FLOORS, INCLUDING ENCLOSED SHAFTS, VERTICAL CIRCULATION, WITH THE EXCEPTION OF LOADING BERTHS, AUTOBIKE PARKING AND THE ASSOCIATED MANEUVERING AND DRIVE AISLES, UNENCLOSED DECKS AND PATIOS.</p> <p>LOT AREA: 38,394 SQ.FT. BUILDING FOOTPRINT AREA: 33,300 SQ.FT. LOT COVERAGE = 86.49% FAR = 5.2 BUILDING FLOOR AREA (201,261 SQ.FT) / LOT AREA (38,394 SQ.FT)</p> <p>RESIDENTIAL DENSITY: (1 UNIT PER 225 SQ.FT.) 38,394 / 225 = 171 DU DENSITY BONUS: (BASE DENSITY X 30%) 52 DU TOTAL ALLOWED : 223 DWELLING UNITS TOTAL PROVIDED : 222 DWELLING UNITS</p> <p>AUTOMOBILE PARKING VEHICLE PARKING REQUIRED: 0.5 PARKING /UNIT = 111 VEHICLE PARKING PROVIDED : 41* OFF-STREET LOADING REQUIRED [OPC 17.116.120] = 1 BERTH</p> <p>ACCESSIBLE: [CBC 1109A.4 - Assigned @ 2%] = 1 EV CHARGING SPACES TOTAL [CGBSC 4.106.4.2 @ 10%] = 5 EV VAN ACCESSIBLE CHARGING SPACES [CGBSC 4.106.4.2.2.3 @ 1.25] = 1 REGULAR = 9 COMPACT = 25 * PARKING SPACE DEFICIT IS PROPOSED TO BE ADDRESSED THROUGH A DENSITY BONUS CONCESSION. REFERENCE "1396 5TH STREET _ SUPPLEMENTAL DENSITY BONUS ANALYSIS"</p> <p>BICYCLE PARKING LONG TERM (1 PER 4 UNITS) SHORT TERM (1 PER 20 UNITS) RESIDENTIAL REQUIRED: 56 RESIDENTIAL REQUIRED: 12 RESIDENTIAL PROPOSED: 56 RESIDENTIAL PROPOSED: 12 TOTAL BICYCLE PROPOSED: 68</p> <p>OPEN SPACE CALCULATIONS BASED ON 222 UNITS TOTAL: 24 UNITS HAVE PRIVATE OPEN SPACE COMPLYING WITH 17.126.040. -FOR REQUIRED OPEN SPACE, THESE UNITS ARE COUNTED AT 15 SF PER UNIT PER TABLE 17.97.01 FOR "GROUP USABLE OPEN SPACE FOR REGULAR UNIT WHEN PRIVATE OPEN SPACE SUBSTITUTED." -FOR PROVIDED OPEN SPACE, THESE UNITS ARE COUNTED AT 2X ACTUAL AREA OF OPEN SPACE PER ITEM # 6 OF ADDITIONAL REGULATIONS FOR TABLE 17.97.01.</p> <p>198 REMAINING UNITS COUNTED AT FULL VALUE PER REGULAR UNIT (75).</p> <p>GROUP USABLE OPEN SPACE REQUIRED : 75 SF. PER UNIT (198 UNITS X 75) = 14,850 SF PROVIDED : 2ND FLOOR PODIUM COURTYARD : 6,500 SF 8TH FLOOR ROOF DECK: 902 SF TOTAL 7,402 SF</p> <p>GROUP OPEN SPACE (PRIVATE OS SUBSTITUTION) REQUIRED : 15 SF PER UNIT (24 UNITS X 15) = 360 SF PROVIDED: 2ND FLOOR : 847 SF 3RD FLOOR : 383 SF 4TH FLOOR : 383 SF TOTAL = (1,268 SF X 2) = 2,536 SF</p> <p>OPEN SPACE REQUIRED : 360 SF + 14,850 SF 15,210 SF OPEN SPACE PROVIDED : 2,536 SF + 7,402 SF 9,938 SF OPEN SPACE NEEDED : 15,210 SF - 9,938 SF 5,272 SF **</p> <p>** OPEN SPACE DEFICIT IS PROPOSED TO BE ADDRESSED THROUGH A DENSITY BONUS WAIVER. REFERENCE "1396 5TH STREET _ SUPPLEMENTAL DENSITY BONUS ANALYSIS"</p>		FLOOR	OCCUPANCY	NET AREA	FLOOR 1 PARKING, AMENITY	B + S-2 + A-3	17,895 SQ.FT	FLOOR 2 RESIDENTIAL	R-2	26,120 SQ.FT	FLOOR 3 RESIDENTIAL	R-2	26,378 SQ.FT	FLOOR 4 RESIDENTIAL	R-2	26,378 SQ.FT	FLOOR 5 RESIDENTIAL	R-2	26,378 SQ.FT	FLOOR 6 RESIDENTIAL	R-2	26,378 SQ.FT	FLOOR 7 RESIDENTIAL	R-2	26,378 SQ.FT	FLOOR 8 RESIDENTIAL	R-2+ A3	25,366 SQ.FT	TOTAL		201,261 SQ.FT.																																							
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<p>BUILDING HEIGHT: MAXIMUM = 160'-0" TO AVERAGE ROOF HEIGHT PROPOSED = 85'-0"</p> <p>OCCUPANCY GROUPS: RESIDENTIAL R-2 STORAGE (GARAGE) S-2 ASSEMBLY (AMENITY & COURTYARD) A-3 BUSINESS (LEASING) B</p> <p>CONSTRUCTION TYPE: R-2 TYPE IIIA & TYPE IA, FULLY SPINKLERED S-2, A-2, B TYPE IA, FULLY SPINKLERED</p> <p>THE BUILDING SHALL COMPLY WITH THE 2019 CFC SECTION 510 FOR ERRC COVERAGE.</p> <p>ALLOWABLE GROSS FLOOR AREA / HEIGHTS / CONSTRUCTION TYPES</p> <p>TYPE I-A: BASE ALLOWABLE AREA PER FLOOR PER CBC TABLE 503 S-2 UNLIMITED S.F. R-2 UNLIMITED S.F. A-3 UNLIMITED S.F.</p> <p>BASE ALLOWABLE HEIGHT & STORIES PER CBC TABLE 503 S-2 UNLIMITED S.F. R-2 UNLIMITED S.F. A-3 UNLIMITED S.F.</p> <p>TYPE III-A: BASE ALLOWABLE AREA PER FLOOR PER CBC TABLE 503 FOR TYPE III-A: R-2 24,000 S.F.</p> <p>BASE ALLOWABLE HEIGHT & STORIES PER CBC TABLE 503 FOR TYPE III-A: R-2 85 FEET / 5 STORIES - WITHOUT AREA INCREASE & W/ AUTO. SPRINKLER SYSTEM R-2 65 FEET / 4 STORIES - WITH AREA INCREASE & W/ AUTO. SPRINKLER SYSTEM</p> <p>PROPOSED GROSS FLOOR AREA:</p> <table border="1"> <thead> <tr> <th>FLOOR</th> <th>OCCUPANCY</th> <th>GROSS AREA</th> </tr> </thead> <tbody> <tr> <td>FLOOR 1 PARKING, AMENITY</td> <td>B + S-2 + A-3</td> <td>33,300 SQ.FT</td> </tr> <tr> <td>FLOOR 2 RESIDENTIAL</td> <td>R-2</td> <td>26,120 SQ.FT</td> </tr> <tr> <td>FLOOR 3 RESIDENTIAL</td> <td>R-2</td> <td>26,378 SQ.FT</td> </tr> <tr> <td>FLOOR 4 RESIDENTIAL</td> <td>R-2</td> <td>26,378 SQ.FT</td> </tr> <tr> <td>FLOOR 5 RESIDENTIAL</td> <td>R-2</td> <td>26,378 SQ.FT</td> </tr> <tr> <td>FLOOR 6 RESIDENTIAL</td> <td>R-2</td> <td>26,378 SQ.FT</td> </tr> <tr> <td>FLOOR 7 RESIDENTIAL</td> <td>R-2</td> <td>26,378 SQ.FT</td> </tr> <tr> <td>FLOOR 8 RESIDENTIAL</td> <td>R-2+ A3</td> <td>25,366 SQ.FT</td> </tr> <tr> <td>TOTAL</td> <td></td> <td>216,666 SQ.FT.</td> </tr> </tbody> </table> <p>FIRE-RESISTANCE RATING REQUIREMENTS: 3 HOUR HORIZONTAL SEPARATION BETWEEN TYPE I-A & TYPE III-A REQUIREMENTS PER SECTION 510.2 HORIZONTAL BUILDING SEPARATION ALLOWANCE</p> <p>FOR TYPE I-A CONSTRUCTION: FIRE-RESISTANCE RATING REQUIREMENTS FOR BUILDING ELEMENTS PER TABLE 601:</p> <table border="1"> <tbody> <tr> <td>STRUCTURAL FRAME</td> <td>3-HR REDUCE TO 1 1/2-HR FOR ROOF SUPPORT</td> </tr> <tr> <td>EXTERIOR BEARING WALLS</td> <td>3-HR</td> </tr> <tr> <td>INTERIOR BEARING WALLS</td> <td>3-HR REDUCE TO 1 1/2-HR FOR ROOF SUPPORT</td> </tr> <tr> <td>INT. NONBEARING WALLS</td> <td>0-HR</td> </tr> <tr> <td>FLOOR CONSTRUCTION</td> <td>2-HR</td> </tr> <tr> <td>ROOF CONSTRUCTION</td> <td>1 1/2-HR</td> </tr> </tbody> </table> <p>TYPE III-A CONSTRUCTION: FIRE RESISTANCE RATING REQUIREMENTS FOR BUILDING ELEMENTS PER TABLE 601:</p> <table border="1"> <tbody> <tr> <td>STRUCTURAL FRAME</td> <td>1 HR.</td> </tr> <tr> <td>EXTERIOR BEARING WALLS</td> <td>1 HR.</td> </tr> <tr> <td>INTERIOR BEARING WALLS</td> <td>1 HR.</td> </tr> <tr> <td>EXTERIOR NONBEARING WALLS & PARTITIONS</td> <td>SEE BELOW</td> </tr> <tr> <td>INTERIOR NONBEARING WALLS & PARTITIONS</td> <td>0 HR</td> </tr> <tr> <td>FLOOR CONSTRUCTION (BEAMS & JOISTS)</td> <td>1 HR.</td> </tr> <tr> <td>ROOF CONSTRUCTION (BEAMS & JOISTS)</td> <td>1 HR.</td> </tr> <tr> <td>SHAFT / STAIRWAY ENCLOSURES</td> <td>2 HR.</td> </tr> </tbody> </table> <p>FIRE-RESISTANCE RATING REQUIREMENTS FOR EXTERIOR WALLS BASED ON FIRE SEPARATION DISTANCE FOR TYPE I-A, III-A AND V-A CONSTRUCTION AND OCCUPANCY PER TABLE 602:</p> <table border="1"> <thead> <tr> <th>FIRE SEP. DIST.</th> <th>OCCUPANCIES: GROUP A, M, R-2 & S-2</th> </tr> </thead> <tbody> <tr> <td>X < 5</td> <td>1 HR.</td> </tr> <tr> <td>5 ≤ X < 10</td> <td>1 HR.</td> </tr> <tr> <td>10 ≤ X < 30</td> <td>1 HR.</td> </tr> <tr> <td>X ≥ 30</td> <td>0 HR.</td> </tr> </tbody> </table> <p>ACCESSIBILITY 100% OF UNITS SHALL BE ADAPTABLE, PER CBC 2020 CHAPTER 11A ALL COMMON USE AREAS SHALL BE ACCESSIBLE PER CBC 2020 CHAPTER 11A ALL PUBLIC AREAS SHALL BE ACCESSIBLE PER CBC 2013 CHAPTER 11B</p>		FLOOR	OCCUPANCY	GROSS AREA	FLOOR 1 PARKING, AMENITY	B + S-2 + A-3	33,300 SQ.FT	FLOOR 2 RESIDENTIAL	R-2	26,120 SQ.FT	FLOOR 3 RESIDENTIAL	R-2	26,378 SQ.FT	FLOOR 4 RESIDENTIAL	R-2	26,378 SQ.FT	FLOOR 5 RESIDENTIAL	R-2	26,378 SQ.FT	FLOOR 6 RESIDENTIAL	R-2	26,378 SQ.FT	FLOOR 7 RESIDENTIAL	R-2	26,378 SQ.FT	FLOOR 8 RESIDENTIAL	R-2+ A3	25,366 SQ.FT	TOTAL		216,666 SQ.FT.	STRUCTURAL FRAME	3-HR REDUCE TO 1 1/2-HR FOR ROOF SUPPORT	EXTERIOR BEARING WALLS	3-HR	INTERIOR BEARING WALLS	3-HR REDUCE TO 1 1/2-HR FOR ROOF SUPPORT	INT. NONBEARING WALLS	0-HR	FLOOR CONSTRUCTION	2-HR	ROOF CONSTRUCTION	1 1/2-HR	STRUCTURAL FRAME	1 HR.	EXTERIOR BEARING WALLS	1 HR.	INTERIOR BEARING WALLS	1 HR.	EXTERIOR NONBEARING WALLS & PARTITIONS	SEE BELOW	INTERIOR NONBEARING WALLS & PARTITIONS	0 HR	FLOOR CONSTRUCTION (BEAMS & JOISTS)	1 HR.	ROOF CONSTRUCTION (BEAMS & JOISTS)	1 HR.	SHAFT / STAIRWAY ENCLOSURES	2 HR.	FIRE SEP. DIST.	OCCUPANCIES: GROUP A, M, R-2 & S-2	X < 5	1 HR.	5 ≤ X < 10	1 HR.	10 ≤ X < 30	1 HR.	X ≥ 30	0 HR.	
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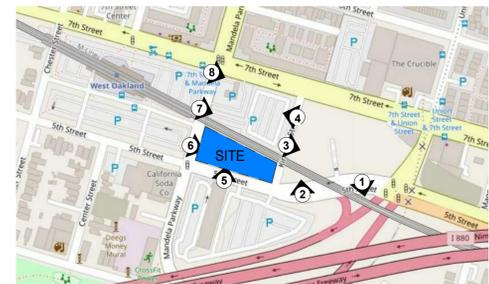
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5TH ST. & MANDELA PKWY - CORNER 6



5TH ST. & KIRKHAM ST. CORNER 4



7TH STREET ACROSS FROM PARKING ENTRANCE 2



MANDELA PKWY NEAR 7TH ST. 5



KIRKHAM ST. NEAR 7TH ST. 3



KEY PLAN 1
1/8" = 1'-0"

EBMUD FIRE SERVICE AVAILABLE FLOW & PRESSURE INFORMATION

Property Information:

1396 5th Street
OAKLAND, 94607

Approximate Elevation (feet): 5
Connection Size (inches): 6

The following available flow and pressure information is based on a Maximum Day Demand Hydraulic Model Analysis of EBMUD's water distribution system. This information should be used as a guideline of the approximate available flow. It is recommended that a design allowance be made for possible reductions in pressure and/or flow that could occur under other possible scenarios. Applicant understands that the District cannot guarantee any specific values for pressure and flow. If you have any questions, please contact us at nbo@ebmud.com or call (510)287-1008.

Available flow and pressure at possible fire service connection for above property:

Possible Fire Service Connection #1

Off of the 8-inch main (8C33) in Mandela Parkway, on the east side of Mandela Parkway, approximately 115 feet north of 5th Street.

Pressure Zone: CENTRAL
Connection Point Elevation (feet): 11
Connection Point Static Pressure (psi): 59
Residual Pressure at 750 gpm (psi): 58
Residual Pressure at 1500 gpm (psi): 55

Possible Fire Service Connection #2

Off of the 10-inch main (10C07) in 5th Street, on the north side of 5th Street, approximately 200 feet east of Mandela Parkway.

Pressure Zone: CENTRAL
Connection Point Elevation (feet): 10
Connection Point Static Pressure (psi): 60
Residual Pressure at 750 gpm (psi): 58
Residual Pressure at 1500 gpm (psi): 56

Possible Fire Service Connection #3

Off of the 4-inch main (4C94) in Kirkham Street, on the west side of Kirkham Street, approximately 60 feet north of 5th Street.

Pressure Zone: CENTRAL
Connection Point Elevation (feet): 11
Connection Point Static Pressure (psi): 59
Residual Pressure at 250 gpm (psi): 58
Residual Pressure at 500 gpm (psi): 53

Engineer's Comments: The pressure and flow information stated is available at the street main connection in 5th Street and Mandela Parkway. Fire service connection point in Kirkham Street is not available due to 4-inch main. Available flow in Kirkham Street is limited to 500 gpm due to 4-inch main. If the fire service is to be located in Kirkham Street, offsite pipeline improvements, at the applicant's expense, would be required to meet fire flow requirements set by the local fire agency. Offsite pipeline improvements include, but are not limited to, replacement of existing water mains to the project site.

Flow and pressure data is valid for one year after the approval date. You will need to submit a new request and pay applicable fee after the expiration date.

NBO: KWALTERS Engineer: JLOPEZ Supervisor: JMC GREGO Date: 2020-02-05
09:35:51.0 STATEMENT OF DESIGN CRITERIA USED FOR FIRE SPRINKLER DESIGN

Request Number: 6507

I, _____, designer of the fire sprinkler system located at the property address referenced on the above Request Number, used the following flow information to design the fire sprinkler system: **Static Pressure (psi):** _____ **Flow (gpm):** _____

Residual Pressure (psi): _____

Maximum total fire flow requirement (gpm): _____

The fire sprinkler design or underground fire plan has been approved by the _____ (Fire Agency with Jurisdiction) Fire Marshal, and a copy of the signed and approved plan is attached.

The fire sprinkler design complies with EBMUD's standard backflow requirements, as described in the Private Fire Service pamphlet.

Please choose the service size from the list of Standard Fire Service Sizes shown below:

- 1-1/2 inch, maximum 100 GPM
- 2 inch, maximum 160 GPM
- 4 inch, maximum 600 GPM
- 6 inch, maximum 1350 GPM
- 8 inch, maximum 2340 GPM
- 10 inch, maximum 4400 GPM
- 12 inch, case-by-case

NOTE: Service size chosen above must match size shown on plans.

Fire Sprinkler Designer Signature and Date Please return a copy of EBMUD's Fire Service Available Flow And Pressure Information results with the signed Statement of Design Criteria Used For Fire Sprinkler Design form when applying for a fire service.

GreenPoint RATED
NEW HOME RATING SYSTEM, VERSION 6.1
MULTIFAMILY

The GreenPoint Rated checklist tracks green features incorporated into the home. GreenPoint Rated is administered by Build It Green, a non-profit whose mission is to promote healthy, energy and resource efficient buildings in California. The minimum requirements of GreenPoint Rated are verification of 50 or more points. Earn the following minimum points per category: Community (0), Energy (20), Indoor Air Quality/Health (6), Resources (5), and Water (5), and meet the prerequisites: CALGreen Mandatory, ES.2, HS.1, AS.1, OI, OI.

The criteria for the green building practices listed below are described in the GreenPoint Rated Single Family Rating Manual. For more information please visit www.builditgreen.org/greenpoint.

Build It Green is not a code enforcement agency.
A home is only GreenPoint Rated if all features are verified by a Certified GreenPoint Rater through Build It Green.

New Home Multifamily v. 6.1



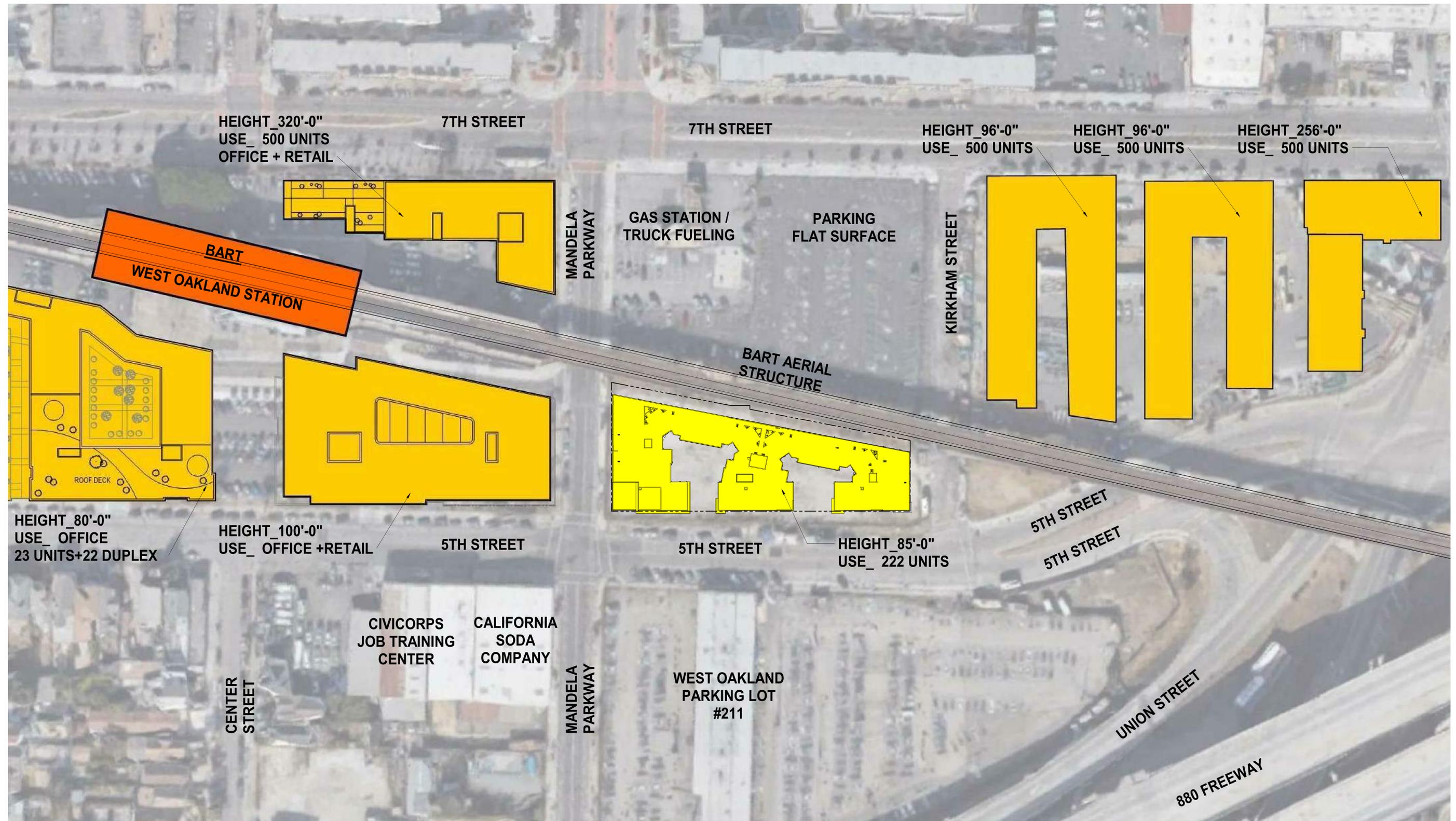
Measure	Points Targeted	Community	Energy	Indoor Air Quality/Health	Resources	Water	Notes
1396 5th Street							
CALGreen	4	1	1	1	1	1	
A. SITE							
A1 Construction Footprint	0	0	0	0	0	0	
A2 Job Site Construction Waste Diversion	2	2	2	2	2	2	includes demolition waste
A3 Recycled Content Base Material	0	0	0	0	0	0	
A4 Heat Island Effect Reduction (Non-Roof)	0	0	0	0	0	0	
A5 Construction Environmental Quality Plan Including Flush-Out	0	0	0	0	0	0	
B. Stormwater Control: Permeable Pavement	0	0	0	0	0	0	
B1 Permeable Paving Material	0	0	0	0	0	0	
B2 Filter and/or Bio-Retention Features	0	0	0	0	0	0	
B3 Non-Leaching Paving Materials	0	0	0	0	0	0	
B4 Stormwater Street Design	0	0	0	0	0	0	
B5 Stormwater Control Performance Path	0	0	0	0	0	0	
B. FOUNDATION							
B1 Fly Ash and/or Slag in Concrete	0	0	0	0	0	0	
B2 Radon-Resistant Construction	0	0	0	0	0	0	
B3 Foundation Drainage System	0	0	0	0	0	0	
B4 Moisture Controlled Crawlspace	0	0	0	0	0	0	
B5 Structural Pest Control	0	0	0	0	0	0	
B6 Termite Shields and Separated Exterior Wood to Concrete Connections	0	0	0	0	0	0	
C. LANDSCAPE							
C1 Plantings	0	0	0	0	0	0	
C2 Three Inches or More in Planting Beds	0	0	0	0	0	0	
C3 Resource Efficient Landscapes	0	0	0	0	0	0	
C4 Minimal Turf in Landscaping	0	0	0	0	0	0	
C5 No Turf on Slopes Exceeding 10% and No Overhead Sprinklers Installed in Areas Less Than Eight Feet Wide	0	0	0	0	0	0	

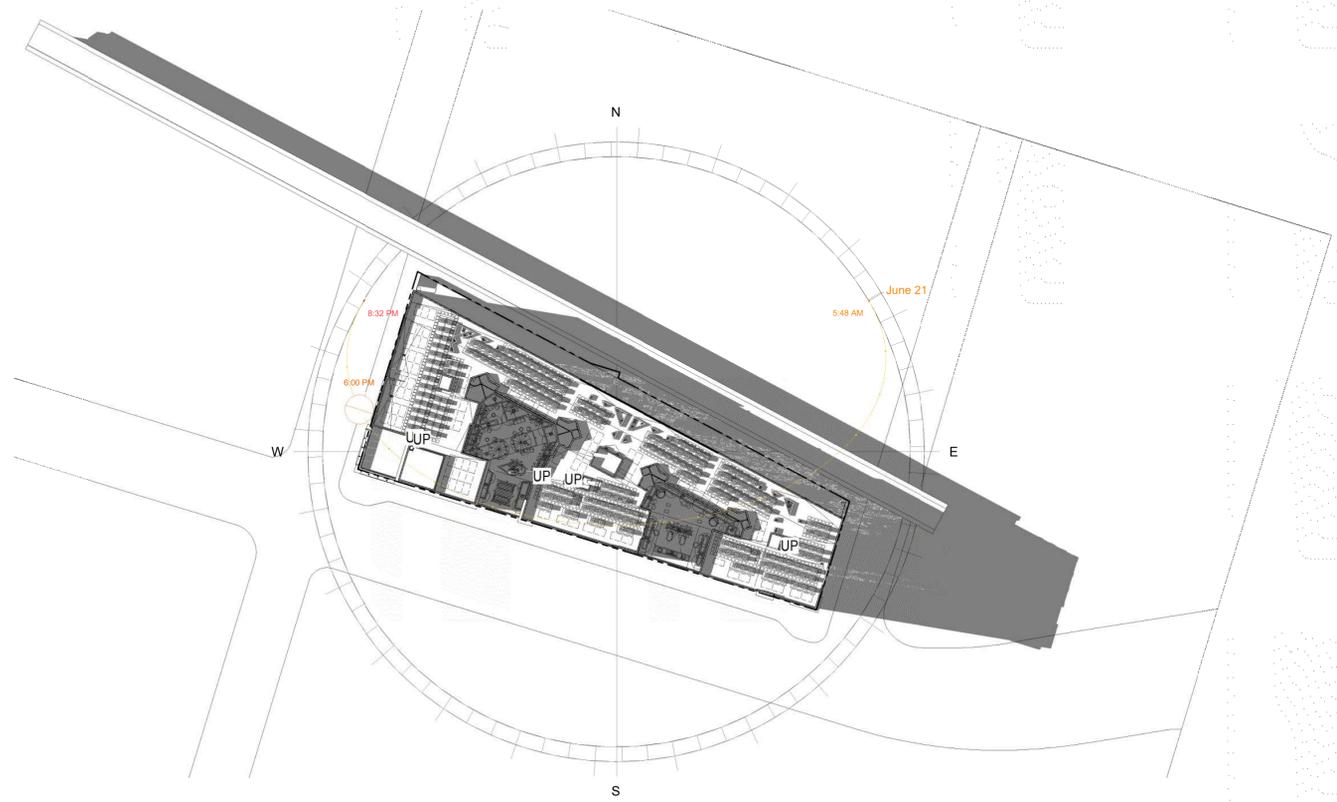
Draft GreenPoint Rated New Home Multi Family Version 6.0

Measure	Points Targeted	Community	Energy	Indoor Air Quality/Health	Resources	Water	Notes
1396 5th Street							
C25% C4.2 Turf on a Small Percentage of Landscaped Area	0	0	0	0	0	0	
C26% C4.3 Trees to Bioshield Building Temperature	0	0	0	0	0	0	
C27 C4.4 High-Efficiency Irrigation System	0	0	0	0	0	0	
C28 C4.5 Rainwater Harvesting System	0	0	0	0	0	0	
C29 C4.6 Recycled Recycled Irrigation System	0	0	0	0	0	0	
C30 C4.7 Submeter or Dedicated Meter for Landscape Irrigation	0	0	0	0	0	0	
C31 C4.8 Landscape Water Budget	0	0	0	0	0	0	
C32 C4.9 Environmentally Preferable Materials for Site	0	0	0	0	0	0	
C33 C4.10 Environmentally Preferable Materials for 70% of Non-Paved Landscape	0	0	0	0	0	0	
C34 C4.11 High-Efficient Lighting	0	0	0	0	0	0	
C35 C4.12 High-Efficient Lighting	0	0	0	0	0	0	
C36 C4.13 Third Party Landscape Program Certification	0	0	0	0	0	0	
C37 C4.14 Landscape Water Budget	0	0	0	0	0	0	
C38 C4.15 Community Garden	0	0	0	0	0	0	
D. STRUCTURAL FRAME AND BUILDING ENVELOPE							
D1 Optimal Value Engineering	0	0	0	0	0	0	
D2 D1.1 Joists, Rafters, and Studs at 24 Inches on Center	0	0	0	0	0	0	
D2.1 D1.2 Non-Load Bearing Door and Window Headers Sized for Load	0	0	0	0	0	0	
D2.2 D1.3 Minimum Framing Members	0	0	0	0	0	0	
D3 Constructive Material Efficiencies	0	0	0	0	0	0	
D4 Engineered Lumber	0	0	0	0	0	0	
D5 Engineered Beams and Headers	0	0	0	0	0	0	
D6 D5.1 Wood Joists or Wood Trusses for Floors	0	0	0	0	0	0	
D6.1 D5.2 Engineered Lumber for Roof Rafters	0	0	0	0	0	0	
D6.2 D5.3 Engineered or Finger-Jointed Beams for Vertical Applications	0	0	0	0	0	0	
D6.3 D5.4 OSB for Subfloor	0	0	0	0	0	0	
D6.4 D5.5 OSB for Wall and Roof Sheathing	0	0	0	0	0	0	
D6.5 D5.6 Insulated Headers	0	0	0	0	0	0	
D6.6 D5.7 FSC-Certified Wood	0	0	0	0	0	0	
D6.7 D5.8 Dimensional Lumber, Studs, and Timber	0	0	0	0	0	0	
D6.8 D5.9 Solid Wall Systems	0	0	0	0	0	0	
D6.9 D5.10 At Least 90% of Floors	0	0	0	0	0	0	
D6.10 D5.11 At Least 90% of Exterior Walls	0	0	0	0	0	0	
D6.11 D5.12 Engineered or Finger-Jointed Beams for Vertical Applications	0	0	0	0	0	0	
D6.12 D5.13 Energy Walls on Roof Trusses	0	0	0	0	0	0	
D6.13 D5.14 Overlapped Roofing Materials	0	0	0	0	0	0	
D6.14 D5.15 Reduced Pollution Entering the Home from the Garage	0	0	0	0	0	0	
D6.15 D5.16 Colored Coatings	0	0	0	0	0	0	
D6.16 D5.17 Dimensional Lumber, Studs, and Timber	0	0	0	0	0	0	
D6.17 D5.18 Structural Pest and Rat Controls	0	0	0	0	0	0	
D6.18 D5.19 D1.1 All Wood Lumber At Least 12 Inches Above the Soil	0	0	0	0	0	0	
D6.19 D5.20 Wood Finishes Treated With Borates or Factory-Preimpregnated, or Wall Materials Other Than Wood	0	0	0	0	0	0	
D6.20 D5.21 Moisture-Resistant Materials in Wet Areas (such as Kitchens, Bathrooms, Utility Rooms, and Basements)	0	0	0	0	0	0	

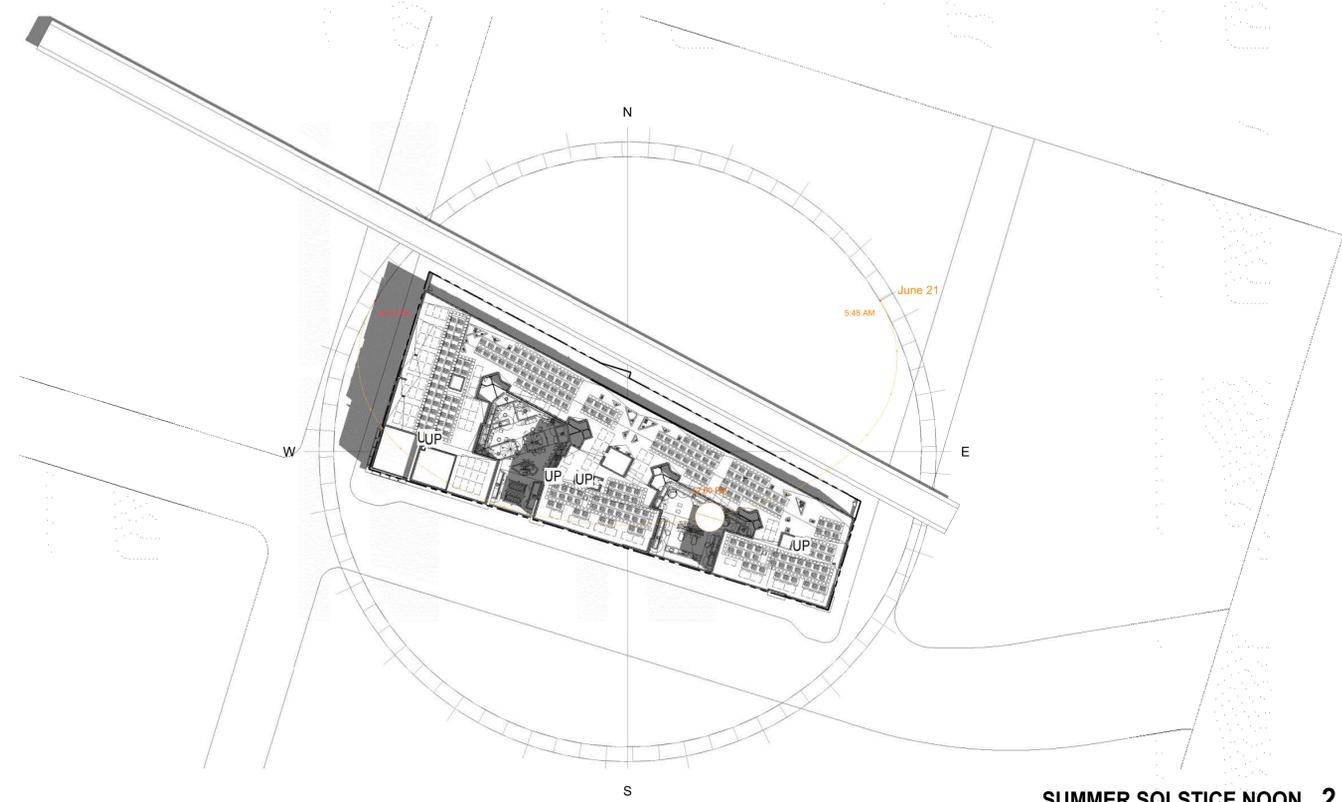
Draft GreenPoint Rated New Home Multi Family Version 6.0

Measure	Points Targeted	Community	Energy	Indoor Air Quality/Health	Resources	Water	Notes
1396 5th Street							
L. FLOORING							
L1 Environmentally Preferable Flooring	0	0	0	0	0	0	
L2 Low-Emitting Flooring Meets CDPH 2010 Standard Method-Residential	0	0	0	0	0	0	
L3 Laminated Flooring	0	0	0	0	0	0	
L4 Thermal Mass Flooring	0	0	0	0	0	0	
M. APPLIANCES AND LIGHTS							
M1 ENERGY STAR Dishwasher	0	0	0	0	0	0	
M2 ENERGY STAR Refrigerator	0	0	0	0	0	0	
M3 ENERGY STAR Water Heater	0	0	0	0	0	0	
M4 ENERGY STAR Range Hood	0	0	0	0	0	0	
M5 ENERGY STAR Water Filtration System	0	0	0	0	0	0	
M6 ENERGY STAR Microwave	0	0	0	0	0	0	
M7 ENERGY STAR Washing Machine	0	0	0	0	0	0	
M8 ENERGY STAR Dryer	0	0	0	0	0	0	
M9 ENERGY STAR Water Filtration System	0	0	0	0	0	0	
M10 ENERGY STAR Water Filtration System	0	0	0	0	0	0	
M11 ENERGY STAR Water Filtration System	0	0	0	0	0	0	
M12 ENERGY STAR Water Filtration System	0	0	0	0	0	0	
M13 ENERGY STAR Water Filtration System	0	0	0	0	0	0	
M14 ENERGY STAR Water Filtration System	0	0	0	0	0	0	
M15 ENERGY STAR Water Filtration System	0	0	0	0	0	0	
M16 ENERGY STAR Water Filtration System	0	0	0	0	0	0	
M17 ENERGY STAR Water Filtration System	0	0	0	0	0	0	
M18 ENERGY STAR Water Filtration System	0	0	0	0	0	0	
M19 ENERGY STAR Water Filtration System	0	0	0	0	0	0	
M20 ENERGY STAR Water Filtration System	0	0	0	0	0	0	
M21 ENERGY STAR Water Filtration System	0	0	0	0	0	0	
M22 ENERGY STAR Water Filtration System	0	0	0	0	0	0	
M23 ENERGY STAR Water Filtration System	0	0	0	0	0	0	
M24 ENERGY STAR Water Filtration System	0	0	0	0	0	0	
M25 ENERGY STAR Water Filtration System	0	0	0	0	0	0	
M26 ENERGY STAR Water Filtration System	0	0	0	0	0	0	
M27 ENERGY STAR Water Filtration System	0	0	0	0	0	0	
M28 ENERGY STAR Water Filtration System	0	0	0	0	0	0	
M29 ENERGY STAR Water Filtration System	0	0	0	0	0	0	
M30 ENERGY STAR Water Filtration System	0	0	0	0	0	0	
M31 ENERGY STAR Water Filtration System	0	0	0	0	0	0	
M32 ENERGY STAR Water Filtration System	0	0	0	0	0	0	
M33 ENERGY STAR Water Filtration System	0	0	0	0	0	0	
M34 ENERGY STAR Water Filtration System	0	0	0	0	0	0	
M35 ENERGY STAR Water Filtration System	0	0	0	0	0	0	
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M39 ENERGY STAR Water Filtration System	0	0	0	0	0	0	
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M41 ENERGY STAR Water Filtration System	0	0	0	0	0	0	
M42 ENERGY STAR Water Filtration System	0	0	0	0	0	0	
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M47 ENERGY STAR Water Filtration System	0	0	0	0	0	0	
M48 ENERGY STAR Water Filtration System	0	0	0	0	0	0	
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M66 ENERGY STAR Water Filtration System	0	0	0	0	0	0	
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M69 ENERGY STAR Water Filtration System	0	0	0	0	0	0	
M70 ENERGY STAR Water Filtration System	0	0	0	0	0	0	
M71 ENERGY STAR Water Filtration System	0	0	0	0	0	0	
M72 ENERGY STAR Water Filtration System	0	0	0	0	0	0	
M73 ENERGY STAR Water Filtration System	0	0	0	0	0	0	
M74 ENERGY STAR Water Filtration System	0	0	0	0	0	0	
M75 ENERGY STAR Water Filtration System	0	0	0	0	0	0	

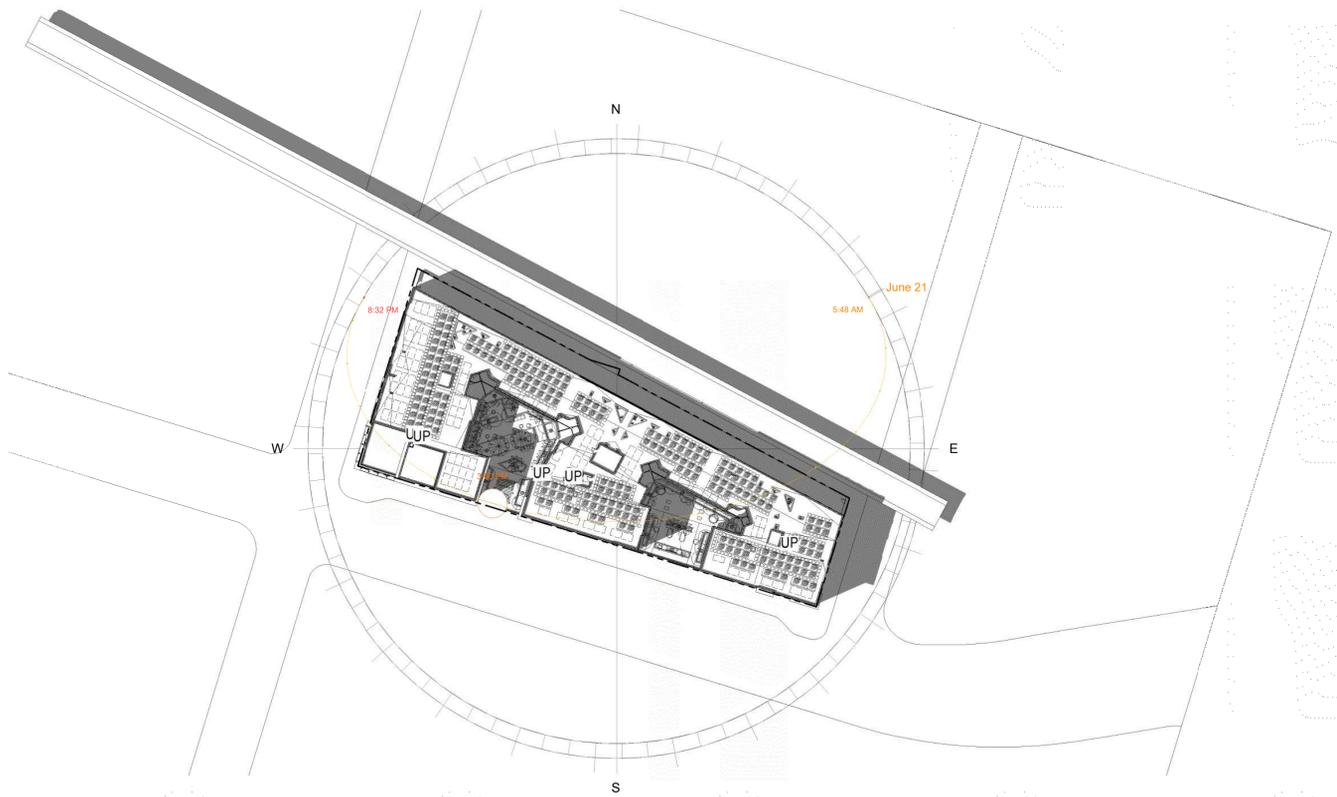




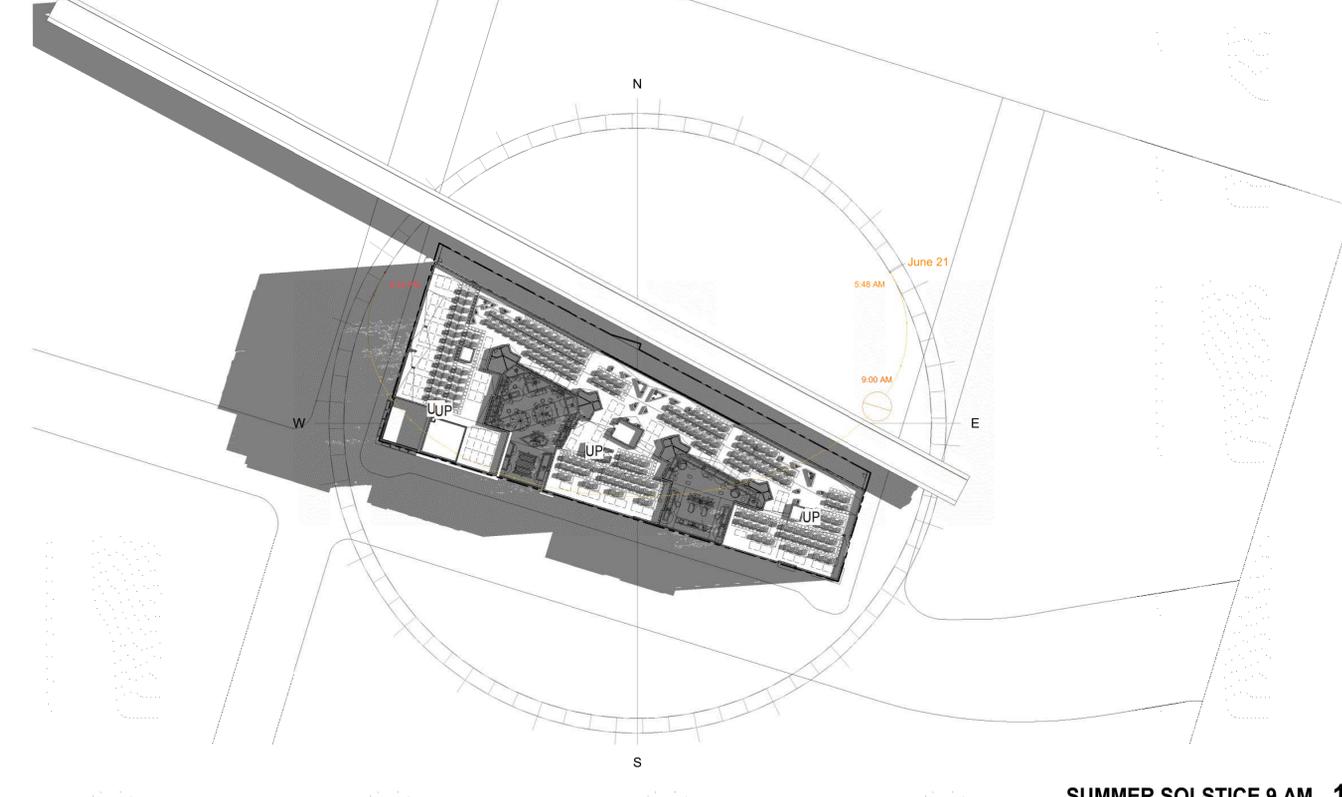
SUMMER SOLSTICE 6 PM 4
1" = 60'-0"



SUMMER SOLSTICE NOON 2
1" = 60'-0"

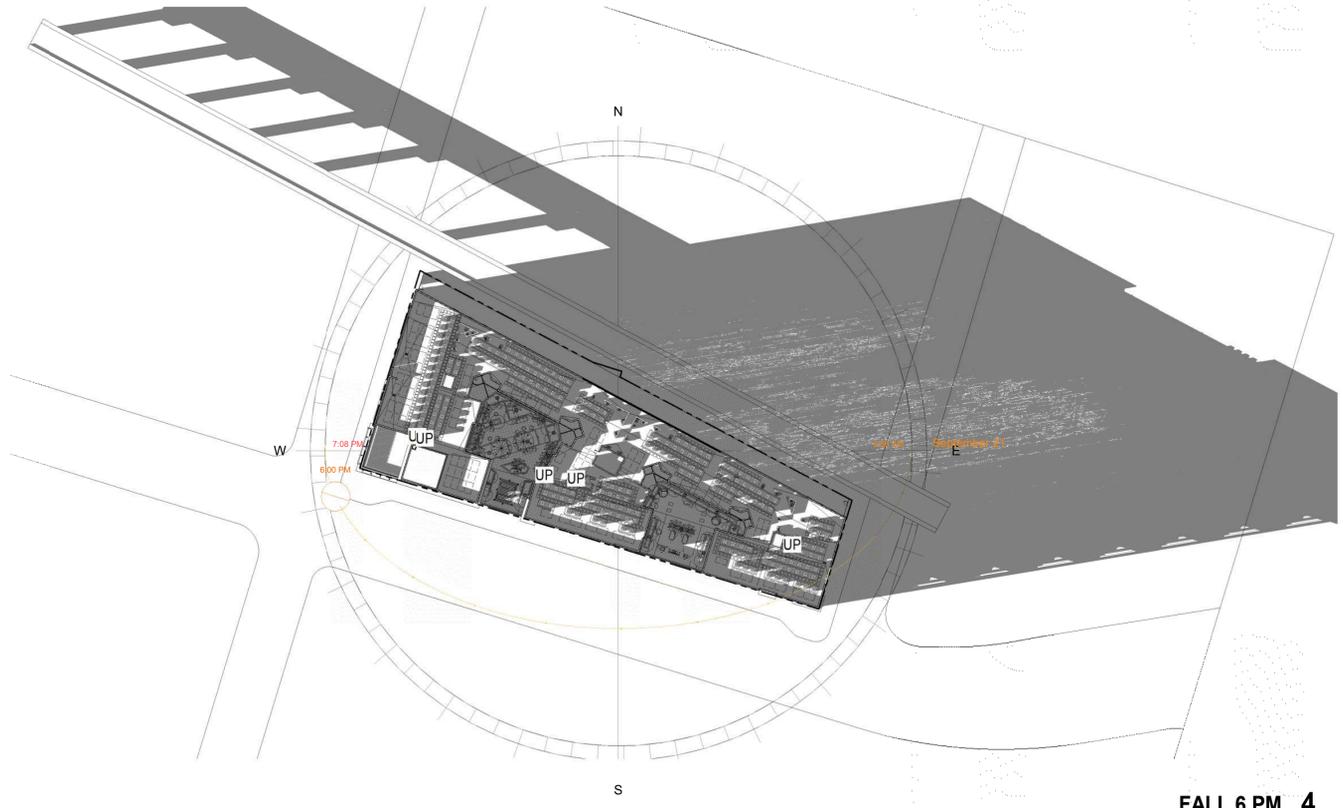


SUMMER SOLSTICE 3 PM 3
1" = 60'-0"

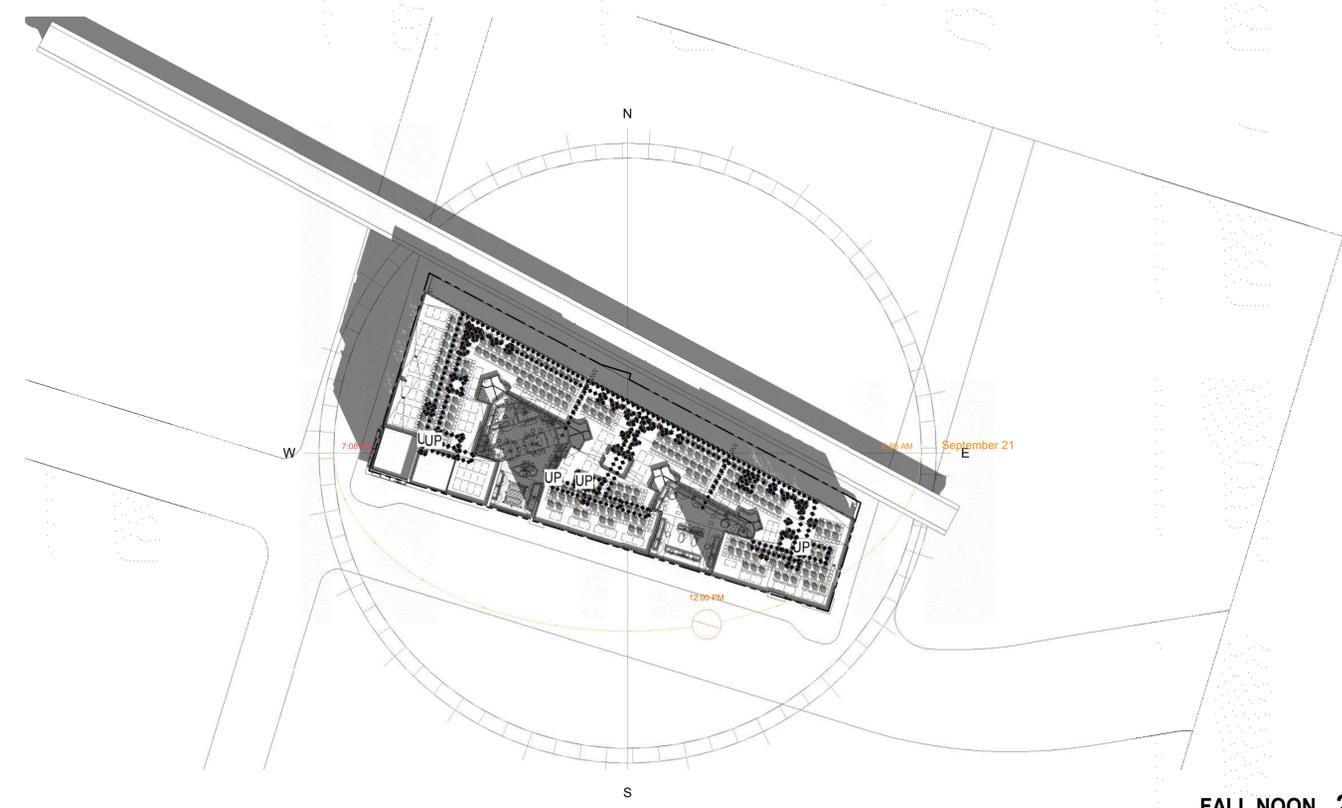


SUMMER SOLSTICE 9 AM 1
1" = 60'-0"

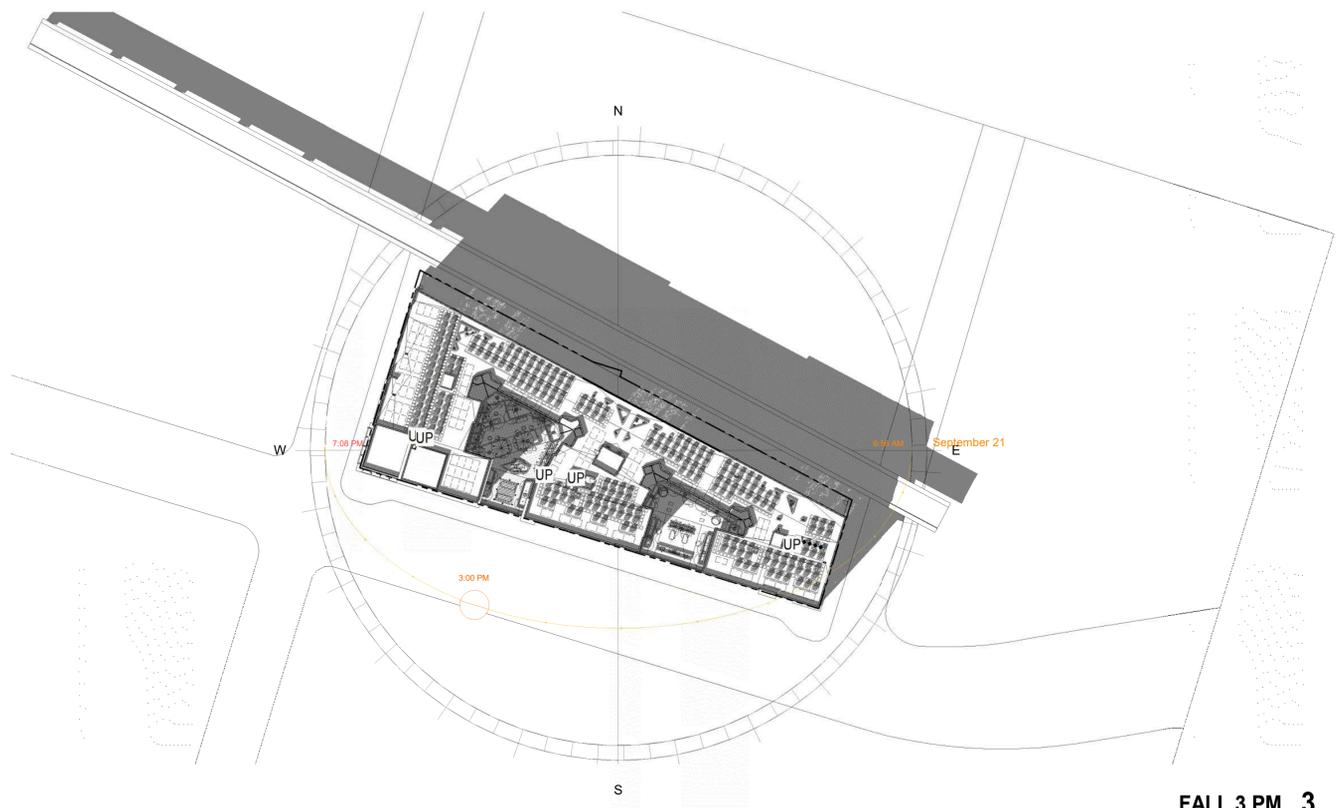




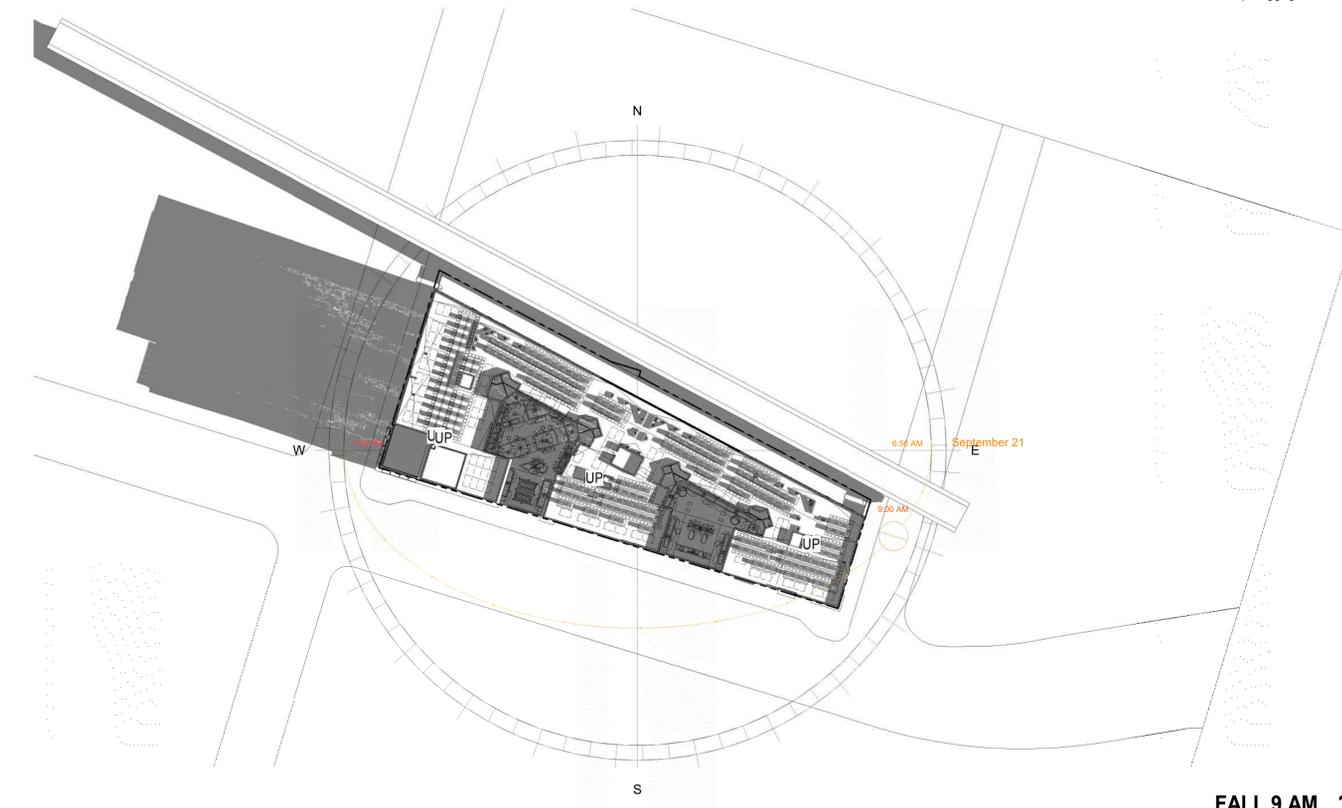
FALL 6 PM 4
1" = 60'-0"



FALL NOON 2
1" = 60'-0"

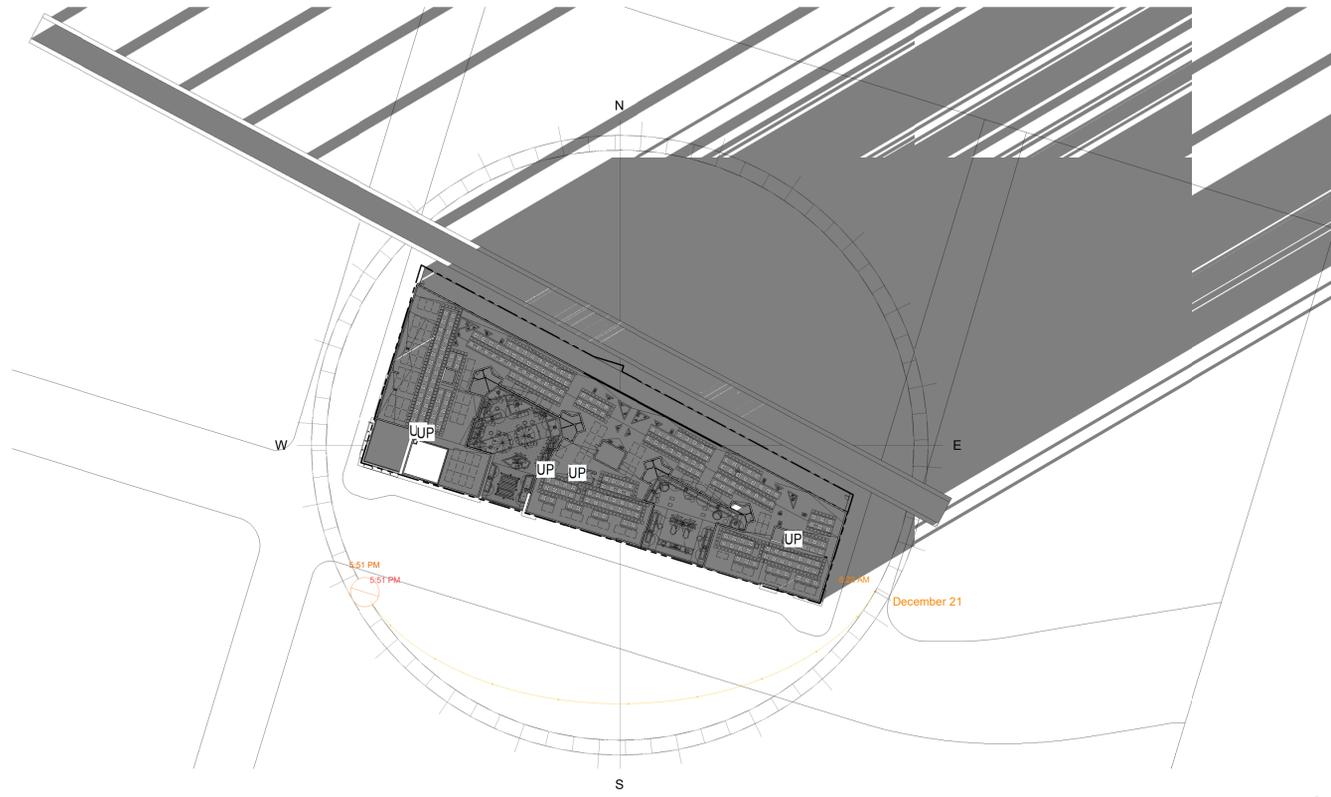


FALL 3 PM 3
1" = 60'-0"

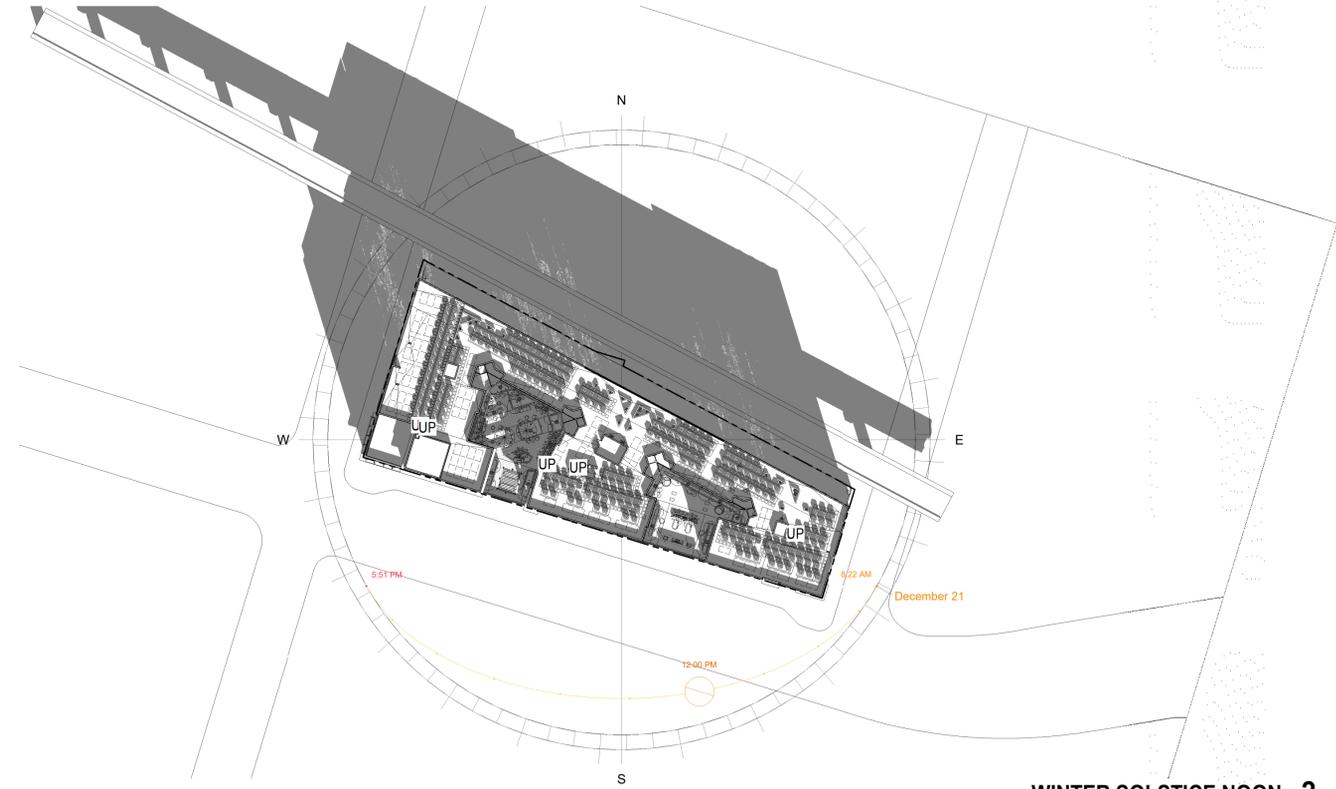


FALL 9 AM 1
1" = 60'-0"

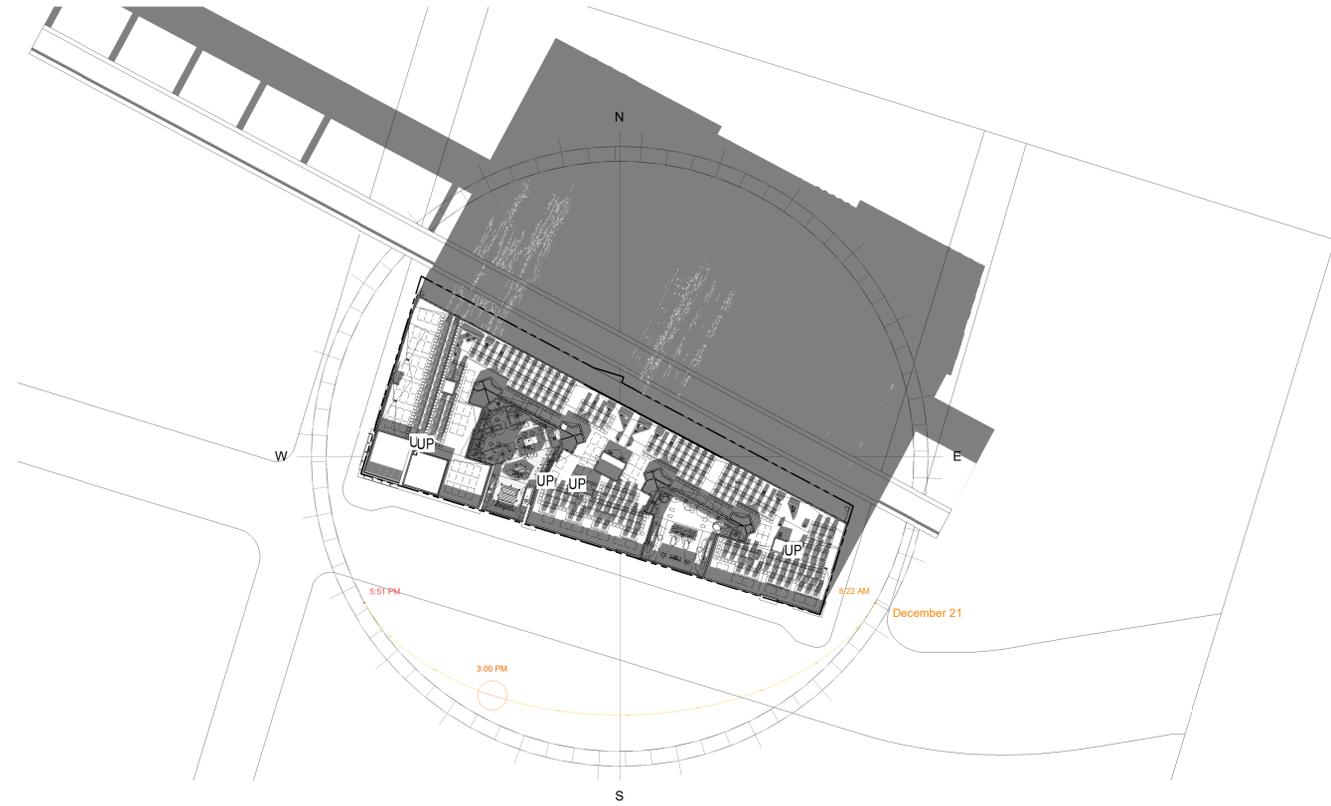




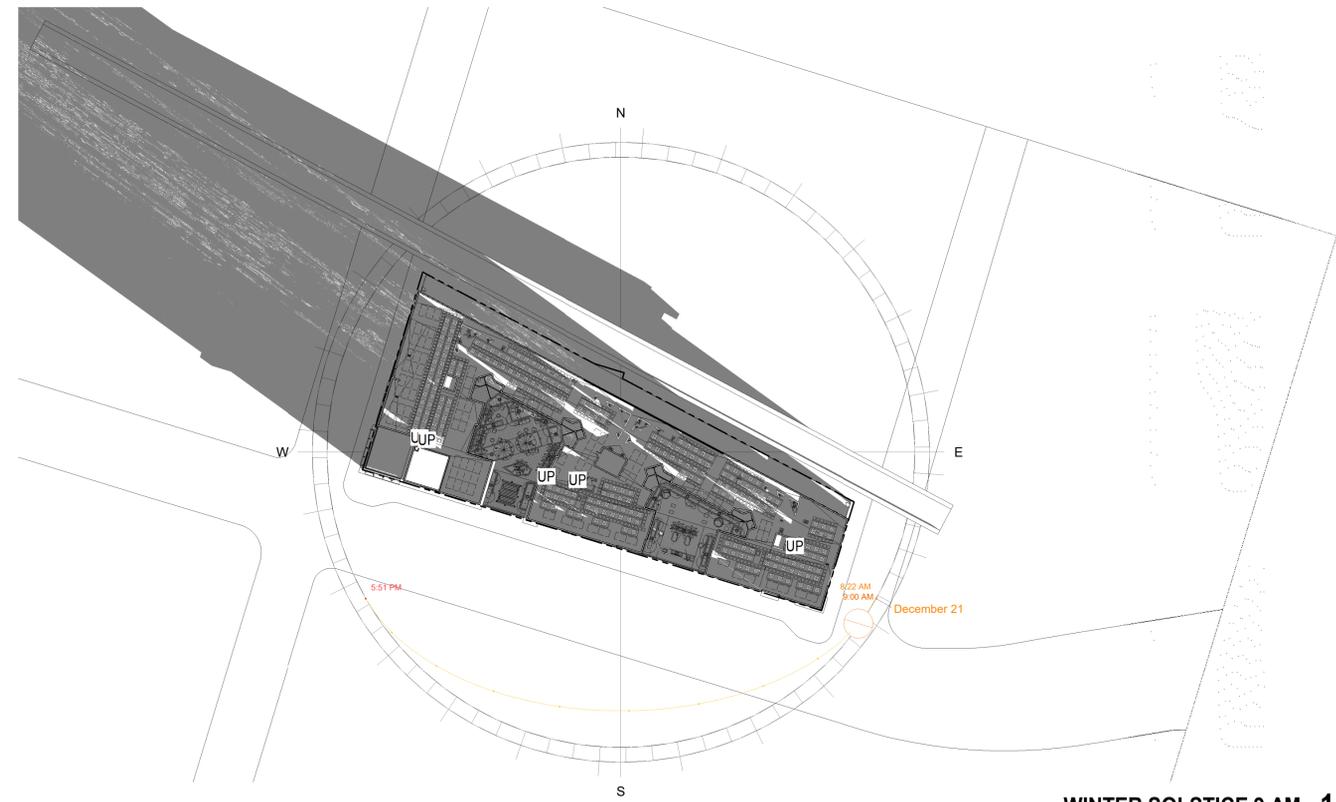
WINTER SOLSTICE 6 PM 4
1" = 60'-0"



WINTER SOLSTICE NOON 2
1" = 60'-0"



WINTER SOLSTICE 3 PM 3
1" = 60'-0"



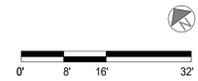
WINTER SOLSTICE 9 AM 1
1" = 60'-0"



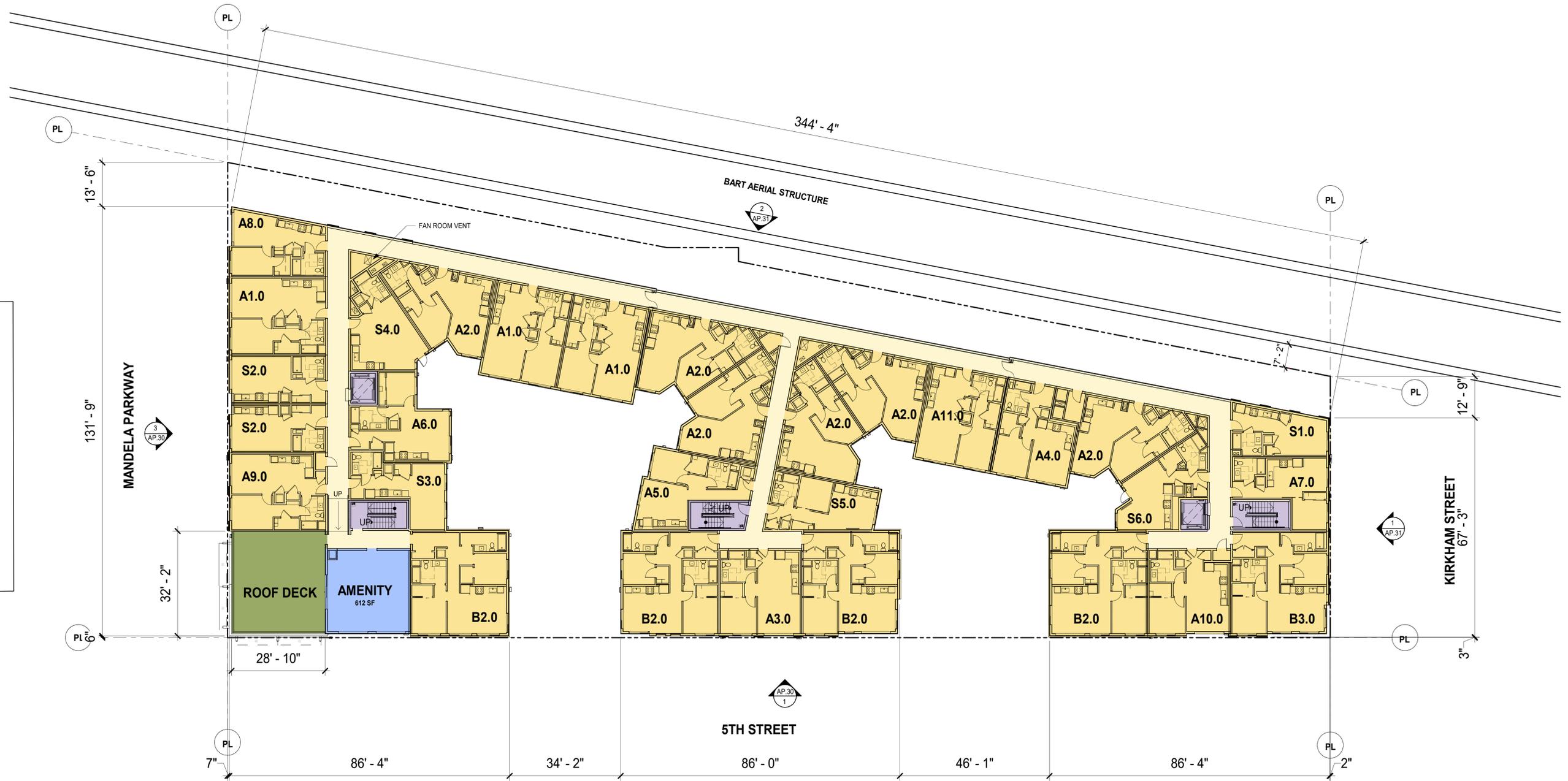
	GARAGE
	LOBBY
	NET UNIT AREA
	AMENITY
	BUILDING OPERATION
	CIRCULATION
	LANDSCAPE
	PRIVATE DECKS



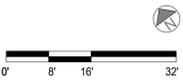
FLOOR 2 1
1/16" = 1'-0"



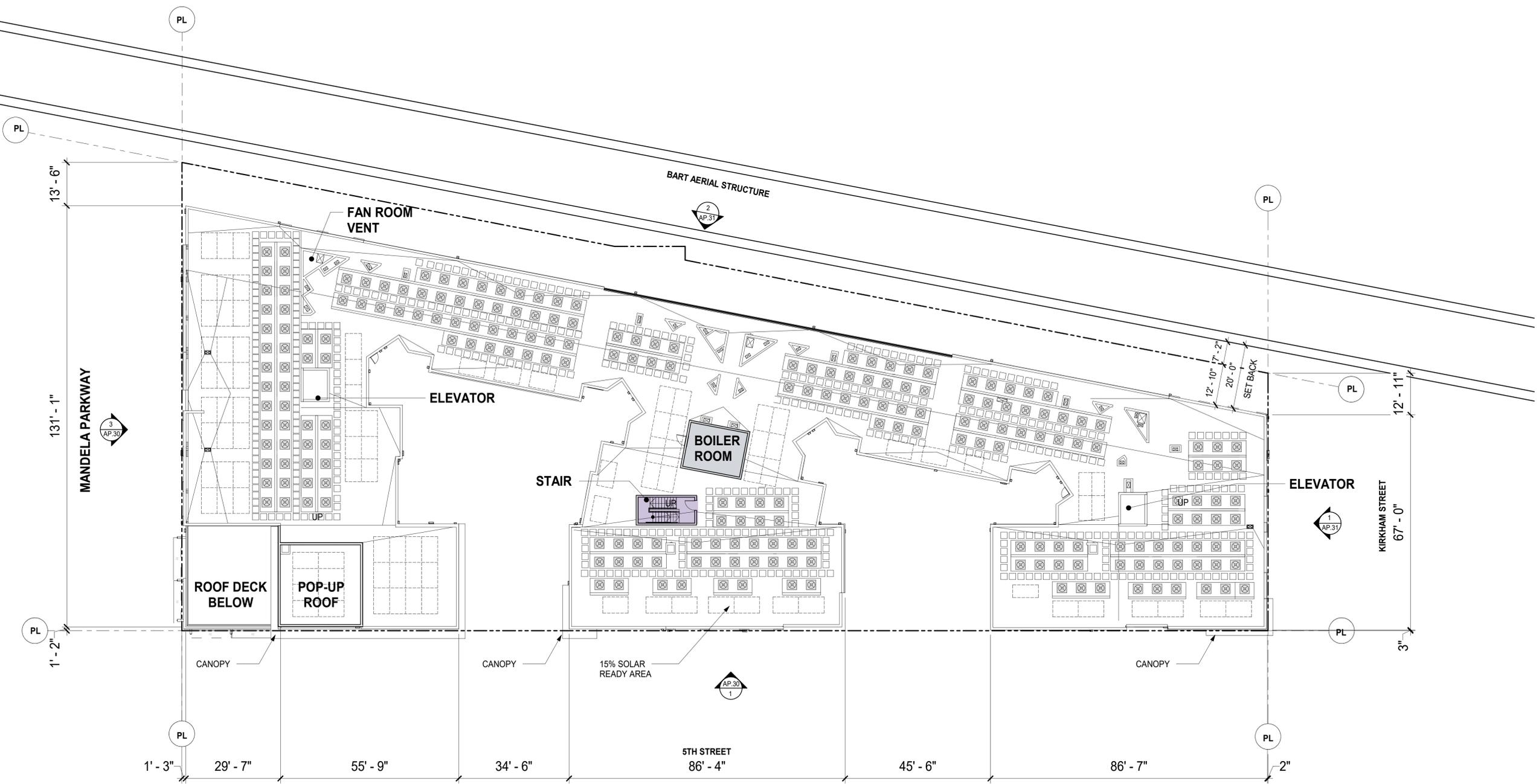
	GARAGE
	LOBBY
	NET UNIT AREA
	AMENITY
	BUILDING OPERATION
	CIRCULATION
	LANDSCAPE
	PRIVATE DECKS



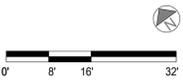
FLOOR 8 1
1/16" = 1'-0"



	GARAGE
	LOBBY
	NET UNIT AREA
	AMENITY
	BUILDING OPERATION
	CIRCULATION
	LANDSCAPE
	PRIVATE DECKS



PLANNING - SITE PLAN - ROOF Copy 1 1
1/16" = 1'-0"

















1" = 30'-0"

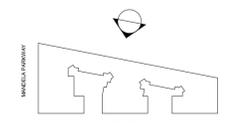




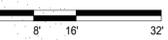
- ① PAINT - LIGHT COLOR
- ② PAINT - MED COLOR
- ③ PAINT DARK COLOR
- ④ FOAM TRIM
- ⑤ PLASTER PER CITY STANDARD
- ⑥ CAST STONE, STONE BASE OR SIM.
- ⑦ 43" GLASS RAIL
- ⑧ REDWOOD GOOD NEIGHBOR FENCE
- ⑨ 'VPI' VINYL WINDOWS
- ⑩ STOREFRONT TO MATCH VINYL WINDOWS
- ⑪ PUBLIC ART, SEE SHEET AP.34
- ⑫ EXTERIOR LIGHTING
- ⑬ BUILDING ADDRESS SIGNAGE
- ⑭ BUILDING SIGNAGE: DESIGN AND ILLUMINATION TO BE DETERMINED, FULLY-COMPLIANT WITH CITY CODES AND REGULATIONS
- ⑮ GARAGE DOOR
- ⑯ AWNING
- ⑰ OVERHEAD RECESSED LIGHT
- ⑱ METAL RAIL FENCE
- ⑲ WOOD-GRAINED RAINSCREEN LAP SIDING

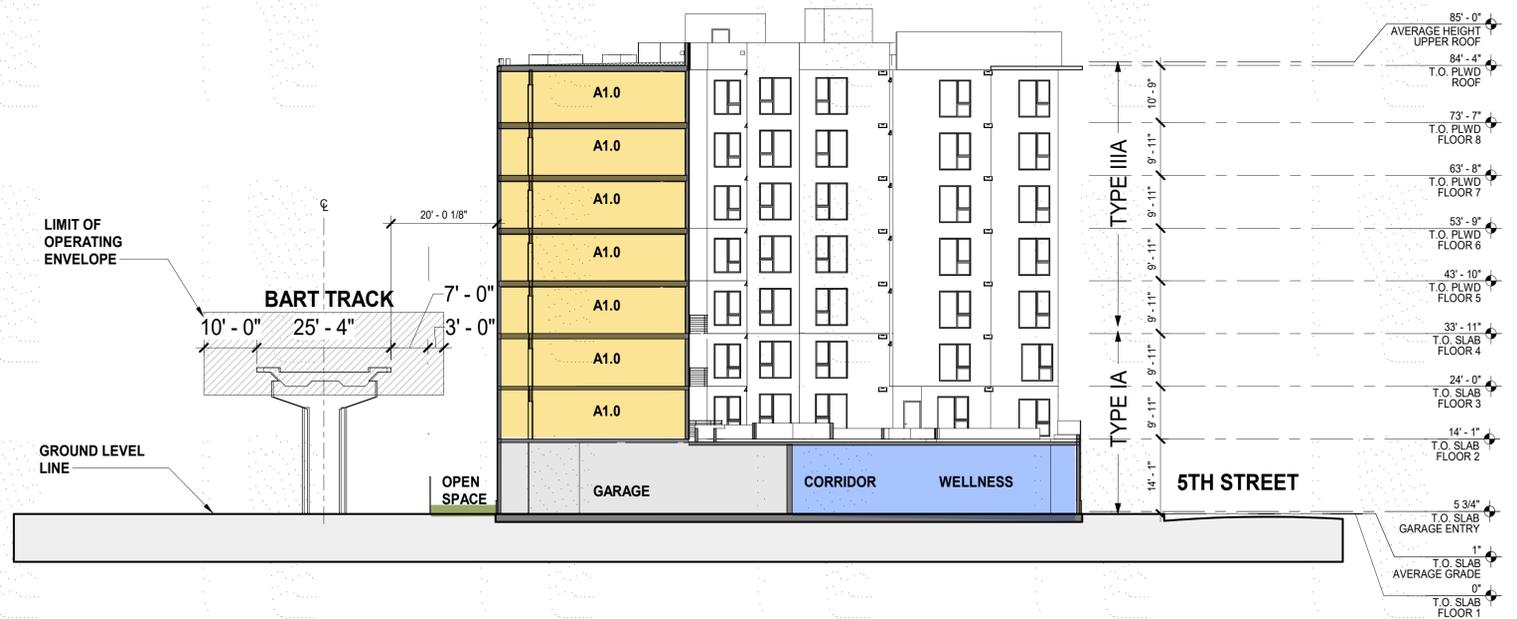


EAST ELEVATION ②



NORTH ELEVATION ①





TRANSVERSE 2
1/16" = 1'-0"



GENERAL NOTES

Building Height is measured as follows, according to the Definitions in Chapter 2 of the CBC:

HEIGHT, BUILDING. The vertical distance from grade plane to the average height of the highest roof surface.

The base point for measurement is the grade plane, which is separately defined as "the average of finished ground level adjoining the building at exterior walls."

The top point of measurement, the "average height of the highest roof surface," is the center point of the sloped roof, halfway between the high points (ridges) and low points (roof drains).

LONGITUDINAL 1
1/16" = 1'-0"





AWNING (16)



EXTERIOR LIGHTING (12)



GLASS RAILING - (7)



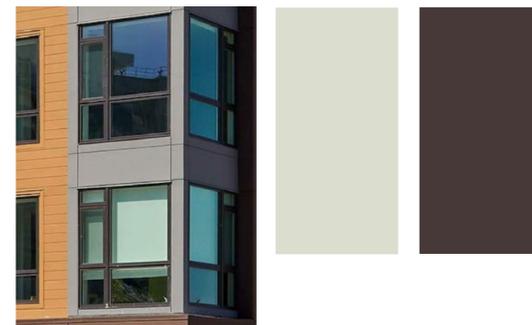
PAINT - BM 1442 DEEP INDIGO (4)



PAINT - (MEDIUM GRAY TBD) (3)



BUILDING SIGNAGE (14)



VPI VINYL WINDOWS (9)



STONE BASE - (6)



PAINT - BM 1605 WINTER SOLSTICE (2)



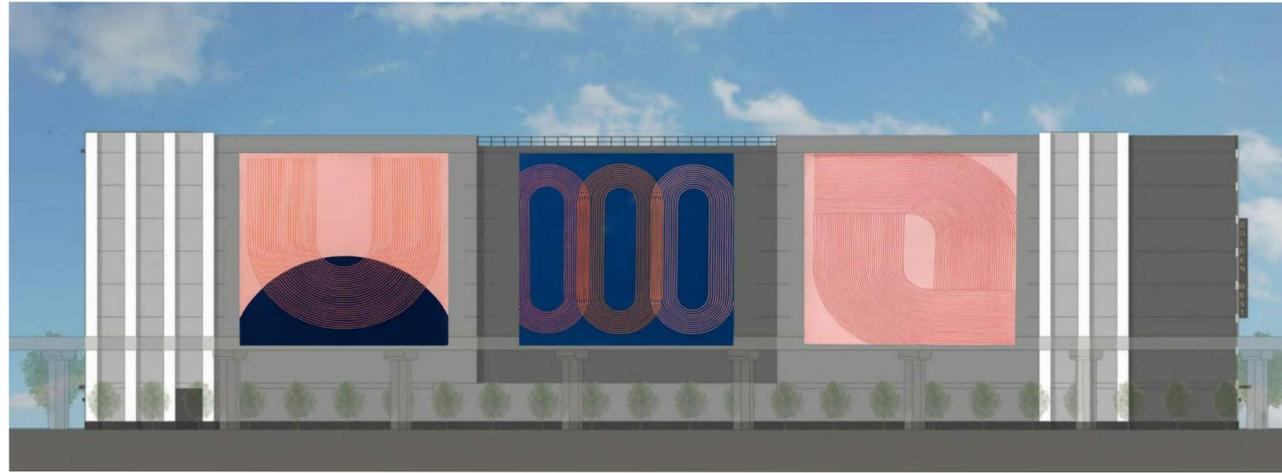
WOOD GRAINED RAINSCREEN LAP SIDING (8)



CEMENT PLASTER TEXTURE PER CITY STANDARD (SAMPLE PER REFERENCE ONLY) (5)

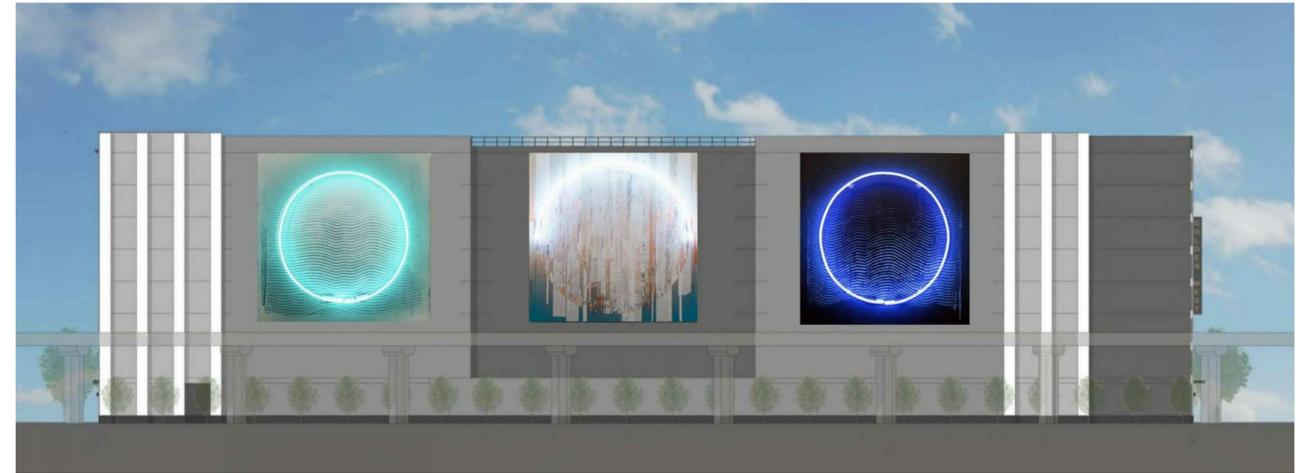


PAINT - BM 872 WHITE CHRISTMAS (1)



MURAL IN TILE OR PAINT

KELLY ORDING



MURAL IN PAINT W/
NEON LIGHT ELEMENTS

ERIK OTTO



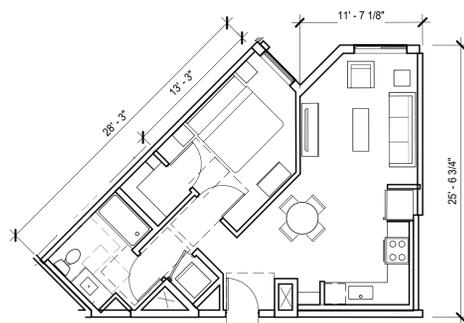
MURAL IN TILE OR PAINT

JET MARTINEZ

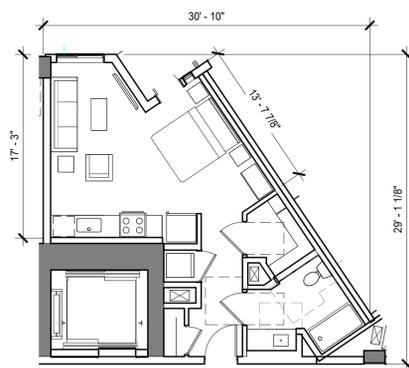


MURAL IN PAINT

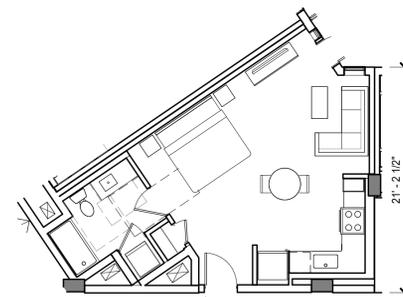
ALISON TORNEROS



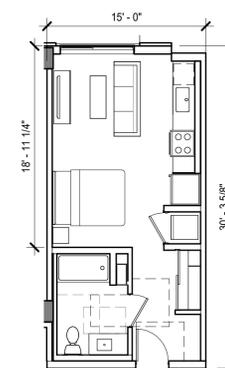
42 UNITS
691 SF
UNIT A2 8
1/8" = 1'-0"



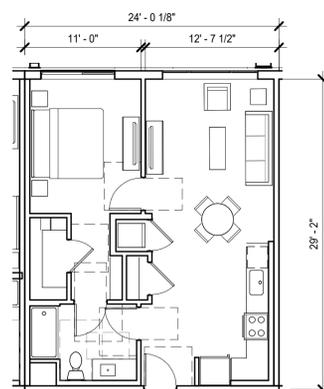
7 UNITS
524 SF
UNIT S6 6
1/8" = 1'-0"



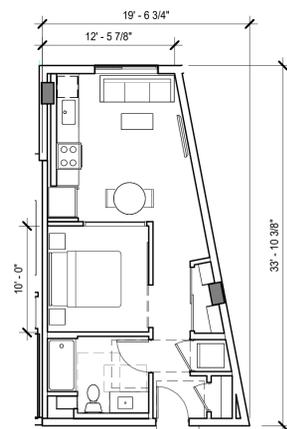
7 UNITS
560 SF
UNIT S4 4
1/8" = 1'-0"



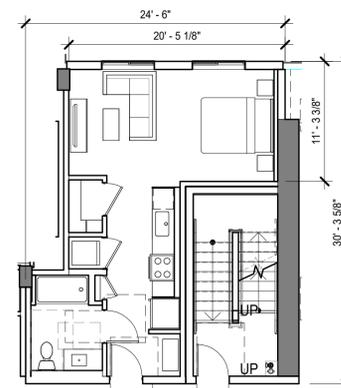
14 UNITS
452 SF
UNIT S2 2
1/8" = 1'-0"



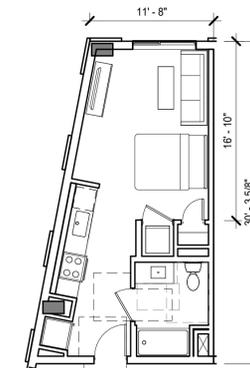
21 UNITS
729 SF
UNIT A1 7
1/8" = 1'-0"



7 UNITS
550 SF
UNIT S5 5
1/8" = 1'-0"

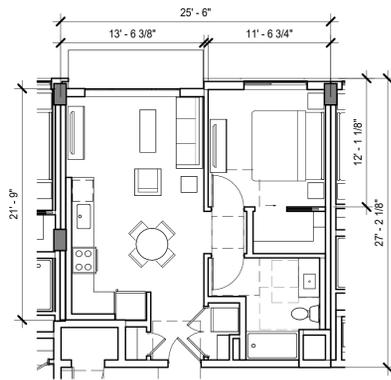


7 UNITS
500 SF
UNIT S3 3
1/8" = 1'-0"

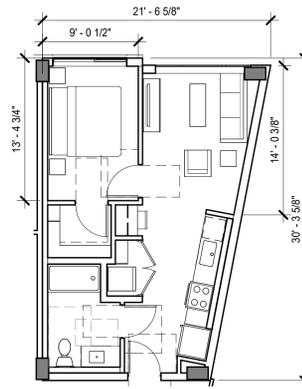


7 UNITS
442 SF
Unit S1 1
1/8" = 1'-0"

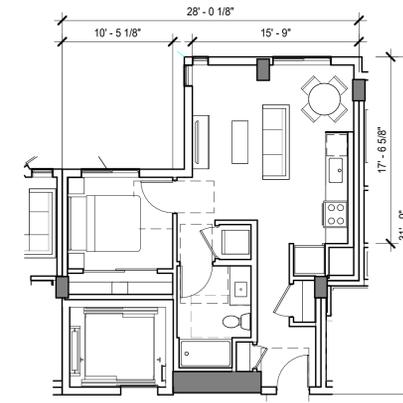




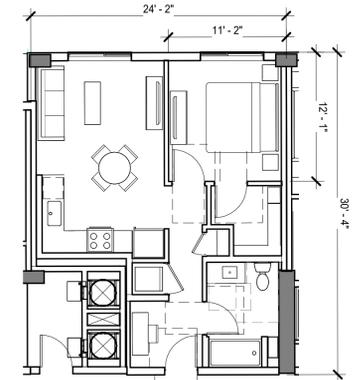
7 UNITS
664 SF
UNIT A10 8
1/8" = 1'-0"



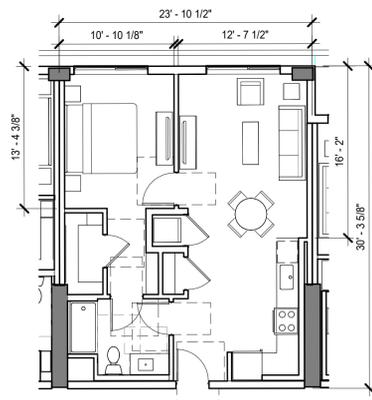
7 UNITS
561 SF
UNIT A8 6
1/8" = 1'-0"



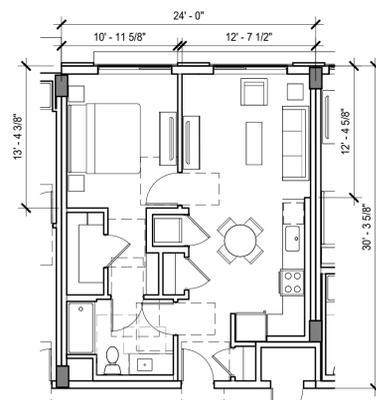
7 UNITS
649 SF
UNIT A6 4
1/8" = 1'-0"



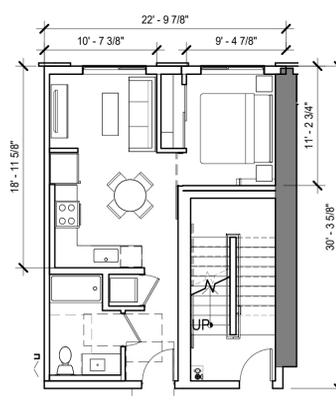
7 UNITS
651 SF
UNIT A4 2
1/8" = 1'-0"



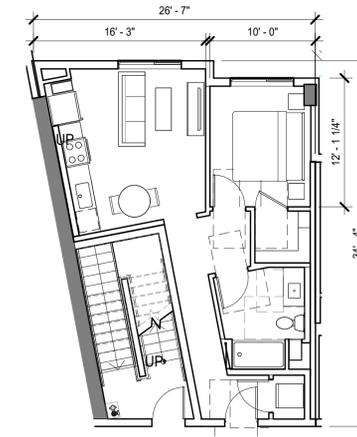
7 UNITS
725 SF
UNIT A11 9
1/8" = 1'-0"



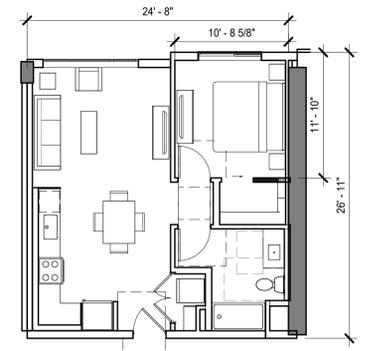
7 UNITS
707 SF
UNIT A9 7
1/8" = 1'-0"



7 UNITS
527 SF
UNIT A7 5
1/8" = 1'-0"



7 UNITS
639 SF
UNIT A5 3
1/8" = 1'-0"

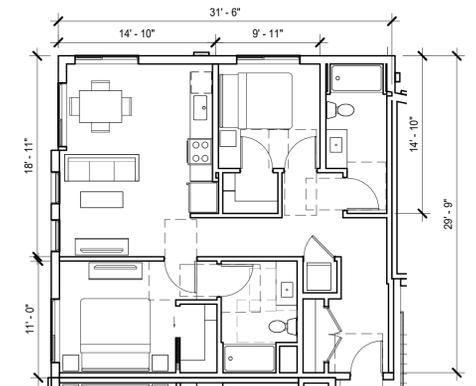


13 UNITS
676 SF
UNIT A3 1
1/8" = 1'-0"

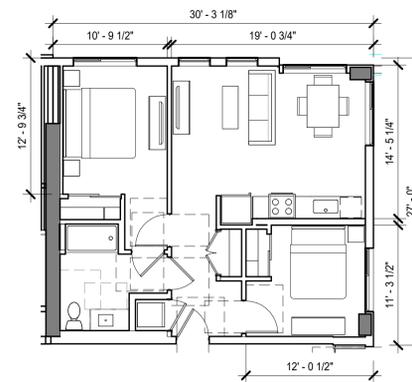




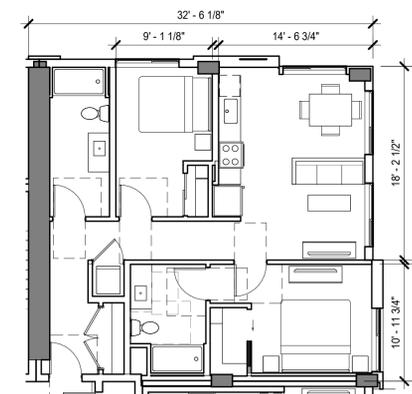
2 UNITS **UNIT B4 4**
817 SF $1/8" = 1'-0"$



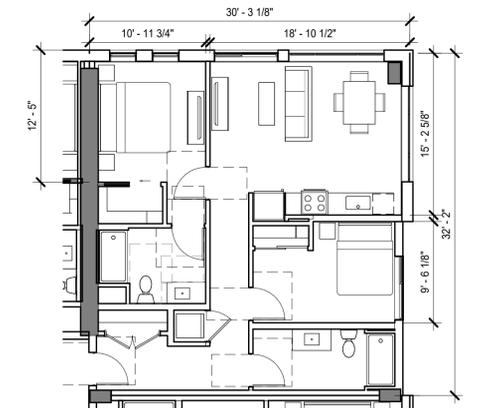
24 UNITS **UNIT B2 2**
977 SF $1/8" = 1'-0"$



2 UNITS **UNIT B5 5**
807 SF $1/8" = 1'-0"$



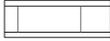
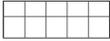
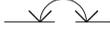
7 UNITS **UNIT B3 3**
989 SF $1/8" = 1'-0"$



6 UNITS **UNIT B1 1**
963 SF $1/8" = 1'-0"$



LAYOUT LEGEND

	Pedestrian Concrete Paving Type 1		Porcelain Paver Type 1
	Detail Number		Porcelain Decking Type 2
	Sheet Number		Artificial Turf
	Property Line		Gravel Mulch
	Center Line		
	Align		
	Utility Boxes S.C.D./S.A.D.		
	Planter Pots, S.C.F.S.		
E.J.	Expansion Joint	S.M.D.	See Mechanical Engineer's Drawings
S.A.D.	See Architect's Drawings	S.P.D.	See Plumbing Engineer's Drawings
S.C.D.	See Civil Engineer's Drawings	S.I.D.	See Interior Designer's Drawings
S.E.D.	See Electrical Engineer's Drawings	S.C.F.S.	See Color and Finish Schedule

LAYOUT NOTES

- The Contractor shall verify all distances and dimensions in the field and bring any discrepancies to the attention of the Landscape Architect for a decision before proceeding with the work.
- Contractor to take all necessary precautions to protect buildings and waterproof membranes from damage. Any damage caused by the Contractor or the Contractor's representatives during their activities shall be repaired at no cost to the Owner.
- All written dimensions supersede all scaled distances and dimensions. Dimensions shown are from the face of building wall, face of curb, edge of walk, property line, or centerline of column unless otherwise noted on the drawings.
- Walk scoring, expansion joints and paving shall be located as indicated on the Layout Plans, Landscape Construction Details, in the Specifications, or as field adjusted under the direction of the Landscape Architects.
- All building information is based on drawings prepared by:
RG—Architecture
428 South Van Ness Ave
San Francisco, CA 94103
415.649.6202
Riyad Ghannam
- All site civil information is based on drawings prepared by:
BKF Engineers
1646 N. California Blvd. Suite 400
Walnut Creek, CA 94596
925.940.2202
Melinda Thomas
- The Contractor is to verify location of all on-site utilities before commencing with the work. The Contractor shall be responsible for the repair of any damage to utilities caused by the activities of the Contractor or the Contractor's representatives. Any utilities shown on Landscape Drawings are for reference and coordination purposes only.
- All uplights are to be directed upward into the trees or objects they are intended to illuminate. Uplight positioning is subject to field modification by the Landscape Architect.
- Protect all existing construction from damage. The Contractor shall be responsible for the repair of any damage to existing construction caused by the activities of the Contractor or the Contractor's representatives.
- Expansion joints shall be located no less than 16' o.c. nor greater than 20' o.c. and/or as indicated on the Layout Plans, Landscape Construction Details, in Specifications, or as field adjusted under the direction of the Landscape Architect.

LANDSCAPE BIDDING NOTES

THE FOLLOWING NOTES ARE FOR BIDDING PURPOSES ONLY, SUBJECT TO SITE SOIL TEST RECOMMENDATIONS IN NOTES #7.

- The contractor is required to submit plant quantities and unit prices for all plant materials as a part of the bid.
- Assume 24" box plant for any un-labelled or un-sized tree; 5 gallon plant for any un-labelled or un-sized shrub; and 1 gallon @ 18" o.c. for any un-labelled ground cover.
- Assume 5 gallon plant size at 30" o.c. for all planting beds not provided with planting callouts or planting information.
- The planting areas on grade shall be ripped to a depth of 8" to reduce compaction. The native subgrade soil shall be treated with 100 lbs of gypsum/1000 sf and leached to improve drainage and reduce the soil interface barrier. Contractor shall coordinate this work with other trades. This is subject to the final recommendations of the soils test (see below) and review by the Landscape Architect and the Owner.
- All planting areas on grade are to receive Vision Comp OMRI Listed Compost by Vision Recycling, (510) 429-1300, or approved equal, at the rate of 6 cubic yards/1000 square feet, evenly tilled 6" deep into the soil to finish grade. All planting areas shall have 6-20-20 Commercial Fertilizer at 25lbs/1000 square feet evenly distributed into the soil. This is subject to the final recommendations and review of the soils test (see below) by the Landscape Architect and the Owner.
- Planting pits are to be backfilled with a mixture of 50% native soil and 50% amended native soil per note #5 above.
- The General Contractor is to provide an agricultural suitability analysis for representative samples of on-site rough graded soil and any imported topsoil. Recommendations for amendments contained in this analysis are to be carried out before planting occurs. Such changes are to be accompanied by equitable adjustments in the contract price if/when necessary. See specifications for testing procedure.
- The Maintenance Period(s) shall be for 60 (sixty) days. Portions of the installed landscape of a project may be placed on a maintenance period prior to the completion of the project at the Owner's request and with the Owner's concurrence.
- For built in place planters on structure, use imported regular weight soil mix.
- For planter pots, use lightweight soil mix.

DESIGN-BUILD METALWORK GENERAL NOTES

A. THE MISCELLANEOUS METALWORK, INCLUDING BUT NOT LIMITED TO THE HANDRAILS, GUARDRAILS, GATES, AWNINGS, AND SUNSHADES, SHALL BE DELIVERED ON A DESIGN-BUILD BASIS BY THE GENERAL CONTRACTOR. THE ARCHITECT'S DRAWINGS SHALL BE USED AS A DESIGN GUIDELINE FROM WHICH THE DESIGN-BUILD SUBCONTRACTOR CAN PREPARE A DESIGN-BUILD SUBMITTAL. THE DESIGN-BUILD SUBMITTAL SHALL INCLUDE 1) STRUCTURAL CALCULATIONS BY A LICENSED STRUCTURAL ENGINEER AND 2) A DETAILED SHOP DRAWING INCLUDING THE REQUIRED STEEL SECTIONS AND SHAPES (WALL THICKNESS) FOR STRUCTURAL INTEGRITY OF THE ITEM AND IN KEEPING WITH THE OVERALL DESIGN INTENT. THE ARCHITECT AND ENGINEER OF RECORD ARE RESPONSIBLE TO PROVIDE THE REQUIRED ENGINEERING FOR CONNECTING THE DESIGN BUILD ITEMS TO THE BUILDING AND FOR REVIEWING THE DESIGN-BUILD SUBMITTAL FOR COMPLIANCE WITH THE DESIGN INTENT AND FOR THE STRUCTURAL CONNECTION TO THE BUILDING.

B. STEEL SIZES CALLED OUT ON DRAWINGS ARE TO BE USE FOR DESIGN INTENT ONLY. STEEL SIZES HAVE NOT BE REVIEWED BY THE STRUCTURAL ENGINEER. STRUCTURAL CALCULATIONS SHALL BE PROVIDED TO CONFIRM THAT THE RAIL WILL RESIST A LOAD OF 50-PLF APPLIED IN ANY DIRECTION AT THE TOP RAIL, AND TO TRANSFER THE LOAD TO THE STRUCTURE PER SECTION 1607.8.1. GLASS HANDRAIL ASSEMBLIES AND GUARDS SHALL ASLO COMPLY WITH SECTION 2407. HANDRAILS AND GUARDS SHALL ALSO BE CONSTRUCTED TO RESIST A SINGLE CONCENTRATED LOAD OF 200-LBS. APPLIED AT ANY POINT ALONG THE TOP RAIL PER SECTION 1607.8.1.1. INTERMEDIATE RAILS, BALUSTERS AND PANEL FILLERS SHALL BE DESIGNED TO RESIST A CONCENTRATED LOAD OF 50-PLF PER SECTION 1607.8.1.2

C. METALWORK COMPONENTS TO BE HOT-DIPPED, GALVANIZED STEEL AND PAINTED; NO FIELD WELDING WILL BE ACCEPTED; MECHANICAL CONNECTIONS ONLY.

D. VERIFY CLEARANCES & DIMENSIONS IN FIELD PRIOR TO FABRICATION & INSTALLATION.

E. UNLESS OTHERWISE NOTED, GENERAL CONTRACTOR SHALL INCLUDE PRICING FOR SIMILAR DETAILING AT ALL FENCES, GATES, AND ACCESSORIES THAT REQUIRE STEEL FABRICATION AS INDICATED IN LANDSCAPE DRAWINGS OR IN OTHER CONSULTANT DRAWINGS.

F. CAP ALL EXPOSED OPEN ENDS OF TUBE STEEL.

G. GRIND WELD JOINTS SMOOTH. ALL JOINTS AND CAPS TO BE FULLY WELDED.

H. USE ARCHITECTURAL DRAWINGS FOR DIMENSIONS REQUIRED FOR CONNECTION TO BUILDING STRUCTURES. GENERAL CONTRACTOR TO COORDINATE WITH OWNER FOR FINISHES AND COLORS.

I. NO SPACE BETWEEN RAILS SHALL BE OVER 3-3/4" WIDE. A SPHERE 4" IN DIAMETER SHALL NOT BE ABLE TO PASS THROUGH.

J. ALL DIMENSIONS TO BE VERIFIED IN THE FIELD BEFORE SUBMITTING DRAWINGS AND CALCULATIONS.

K. FOR WATERPROOFING DETAILS REFER TO ARCHITECTURAL & BE DRAWINGS.

L. EXTERIOR GATE HARDWARE TO BE SPECIFIED, ENGINEERED, FABRICATED, INSTALLED AND COORDINATED BY DESIGN/BUILD. GC TO INCLUDE IN BID, COST FOR ALL GATE HARDWARE REQUIRED FOR FULLY-FUNCTIONING GATES, INCLUDING CUSTOM DESIGNED HARDWARE AS REQUIRED (INCLUDING BUT NOT LIMITED TO HINGES, LATCHES, ETC.) AND ACCESSORIES (AUTO OPERATORS, CLOSERS, ETC.), WHERE NECESSARY FOR GATE TO MEET DESIGN INTENT AND CODE REQUIREMENTS (I.E. ACCESS CONTROL, OPERATING FORCE OF 8 LBS FOR PEDESTRIAN GATES, ETC.)

COLOR AND FINISH SCHEDULE

PEDESTRIAN CONCRETE PAVING

Natural grey concrete with light broom finish. Sweep perpendicular to path of travel.

ACCENT PAVERS

Porcelain Pavers by Architrex (T) (866).206.8316 www.archatrak.com

Type 1 24" x 24" Slab Paver. Color: XT-GEOS

Type 2 24" x 24" Slab Paver. Color: WOODSIDE NUT

PEDESTAL PAVER SYSTEM

Ultra Low Pedestal System: Adjustable Model LO-316, by Bison Innovative Products (T) (303)892.0400, or approved equal. Install Per Manufacturer Specifications

PAVING EDGE

Geoedge Paving Edge by Permaloc (T) (800) 356-9660. Type 1: Size: 6.5"x5.5".

Type 2: Size: 8.5"x7.5" Install per manufacturers specifications, color to be Black.

GRAVEL MULCH @ PLANTER POTS

All gravel by Lyngso Garden Materials (T) (650)364-1730, www.lyngsogarden.com.

Gravel type and size to be 3/4" Black La Paz Pebbles.

BIKE RACKS

WSWF02-SQ-IG-G Square tube, Galvanized, In-ground Mount by www.bikeparking.com Quantity: 6

BARBEQUE

By Denver Stainless Outdoor Kitchens www.danver.com (T) (203)269.2300

Grill Base: OGB4202. Quantity: 2

Grill: **A660i Built-in Grill for use with Natural Gas. By Firemagic Grills (T) (800)332.3972. Include automatic timed shutoff valve. Quantity: 2

Door/Drawer Combination Base: OBD2411-LH. Quantity: 2.

OBD2411-RH. Quantity: 2.

Refrigerator: Liebherr 24" 3.7 cu. ft. Outdoor Rated Compact Refrigerator -R0-510. Available from www.bbguys.com. Quantity: 1

Countertop: 2" Th. Polished Finish Granite by Belstone. Type: Creme Blue Bahia Granite.

www.belstoneproducts.com

Submit Sample to Landscape Architect Prior to Acquisition.

PIZZA OVEN

Fuel Outdoor Pizza Oven, Liquid Propane, by John Michael Kitchens (T) (877)-799-3199,

www.johnmichaekitchens.com QTY: 1

**NOTE: Provide 20 gauge GSM Roofing Protections, below paver/pedestals- on top of drain mat, extending 10' beyond BBQ in all directions.

LIGHTING FIXTURES / confirm all lamp specifications with Electrical Drawings.



Suspended Accent Light: See Electrical Drawings. Santorini Light System by Marset tel. +1 (646)-727-4250 web. (www.marset.com/usa). (2nd Floor Courtyard Specimen Trees) Type: Pendant, Color/Finish: Mustard, QTY: 14



Telescoping Staked Light: See Electrical Drawings. by BK Lighting, contact ALR, Tim Haley, tel. (510) 638-3800x185. Twin Staff Star, Model: TF-LED-e22-WFL-A9-BLP-12-?-A-24"-C-PP-TRe20 color/finish: BLP-black; QTY: 09



Wall Light: See Electrical Drawings. by Gardco, contact ALR: Tim Haley, tel. (510) 638-3800 X185. 94Line LED, Model: 941L-C-DG-31LA-NW-120V-BLP, color/finish: BLP-black. QTY: 30



Up Light: See Electrical Drawings. by BK Lighting, contact: ALR, Tim Haley tel. (510) 638-3800x185. Micro Nite Star Series, LED w/ "C" Cap, flood light, color/finish: BLP-black; QTY: 34



Trellis Down Light: See Electrical Drawings. by Bega, contact ALR, Tim Haley, tel. (510) 638-3800x185. Model: 3513LED.544, color/finish: BLK-black; QTY: 8



Suspended Decorative Stringlight System by Primus Lighting : See Electrical Drawings. Black wire, black support cable, 24" spacing, low voltage dimmable LED 2700K with DSS8 8" Diameter Acrylic Sphere, Frosted. (www.primuslighting.com) S.E.D.

PERFORATED METAL FENCE PANELS

Laser Cut Metal Sheet -Morph Pattern. 3/16" Aluminum. Powdercoat White Sand. by MOZ Designs (T) (510)632-0853. Install per manufacturers recommendations.

SHADE STRUCTURE / SUSPENSION TRELLIS

By Brown Jordan Structures, tel. 888.909.6982

Serenity Structure, Model: ALBJSR192-144, size: 12'x16'x8'h, color/finish: armor gray, slab installation per manufacturer.

PLANTER POTS

By Tournesol Siteworks tel. (800)-542-2282

1. Delta Collection, Model NO: DT/DCT-3042, size: 30"W x 42"H, FRP color/finish: Shadow, T2 finish.

2. Delta Collection, Model NO: DT/DCT-2436, size: 24"W x 36"H, FRP color/finish: Chaparral, T2 finish.

DOG RUN RADIANT HEATER

'Slimline' radiant heater by Infratech. #SL-4028, Stainless Steel housing with mounting brackets. (T) 800.421.9455. www.infratech-usa.com QTY: (1)

SHEET INDEX

L1.0	NOTES AND LEGENDS
L2.0	GROUND FLOOR LANDSCAPE PLAN
L2.1	FLOOR 2 & 8 LANDSCAPE PLAN
L3.0	WATER USE PLAN
L4.0	PRECEDENT IMAGERY



MANDELA PARKWAY

BART AERIAL STRUCTURE +33'

KIRKHAM STREET

5th STREET

- 16" H. Metal Wall Planter Box. Finish to be Raw Steel
- 6' H. GoodNeighbor Fence Along Property Edge w/ Tounesol Vertigreen Trellis Panels 4'x4' as Shown on Plan within Dog Run Area Only
- Secured Dog Run w/ Seating Artificial Turf Mounds and Dog Furnishings
- 6' H. Decorative Metal Fence and Gate at Street Frontage
- Radiant Heater, s.c.f.s. See Architect Drawings for Installation on Building Face

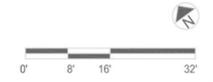
- 5'x6', Decomposed Granite Tree Wells, Typ.
- Bike Racks, Typ.
- Pedestrian Concrete Paving, Typ.

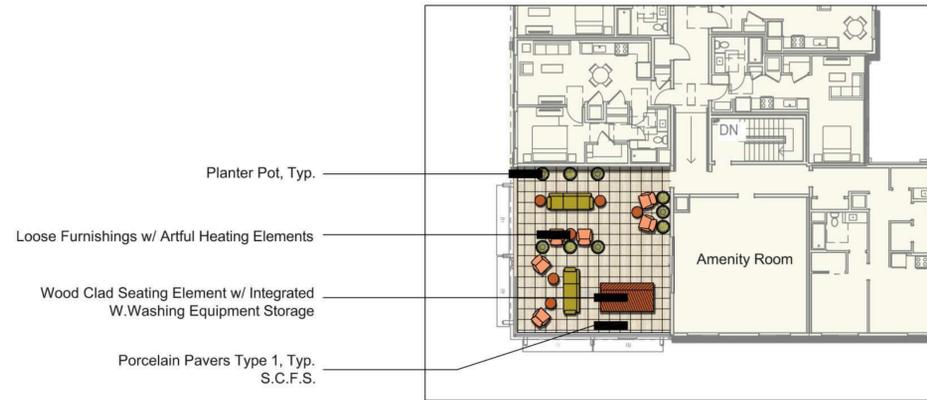
GOLDEN WEST

GOLDEN WEST

PLANNING COMMISSION
01/01/21

L2.0
GROUND FLOOR
LANDSCAPE PLAN





FLOOR 8

- Planter Pot, Typ.
- Loose Furnishings w/ Artful Heating Elements
- Wood Clad Seating Element w/ Integrated W. Washing Equipment Storage
- Porcelain Pavers Type 1, Typ. S.C.F.S.



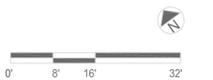
FLOOR 2

- Fire Table Lounge with Loose Furnishings, typ. of 3
- Porcelain Decking Type 2, Typ. S.C.F.S.
- Upsized Specimen Tree with Artful Canopy Lighting, typ. of 2
- CMU Planter with Tile Cladding, Typ.
- BBQ
- Porcelain Pavers Type 1, Typ. S.C.F.S.
- Gravel Mulch w/ Metal Edger

- Porcelain Pavers Type 1, Typ. S.C.F.S.
- CMU Planter with Tile Cladding, Typ.
- Artificial Turf Area
- String Lights
- Porcelain Decking Type 2, Typ. S.C.F.S.
- Dining Area with String Lights
- Pizza Oven
- Accent Wall with Outdoor TV
- BBQ

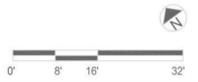
12'x16' Prefab Aluminum Trellis w/ Lighting and Heater Elements, S.C.F.S.

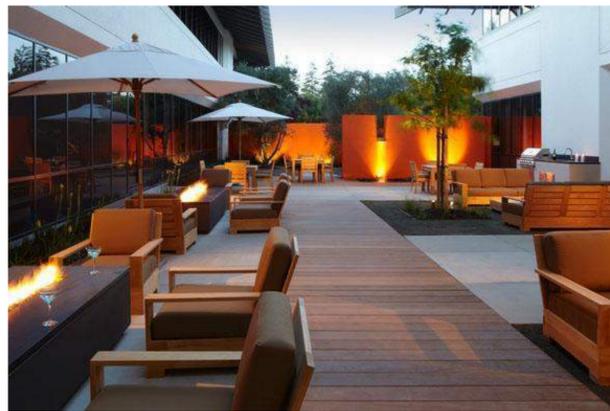
 Symbol Denotes Deciduous Courtyard Trees To Provide Winter Shade Relief



WATER USE LEGEND

-  WUCOLS Low: 1,814 SF
 -  WUCOLS Moderate: 1,163 SF
 -  WUCOLS High: 0 SF
- * Based upon total landscape area of 3,520 SF





1396 5TH STREET

CITY OF OAKLAND, ALAMEDA COUNTY, CALIFORNIA

PROJECT INFORMATION:

PROPERTY ADDRESS: 1396 5TH STREET, OAKLAND, CA 94607
 ASSESSOR'S PARCEL NO.: 004-0069-004
 OWNER/DEVELOPER: MICHAELS DEVELOPMENT
 ARCHITECT: BDE ARCHITECTURE
 CIVIL ENGINEER: BKF ENGINEERS
 1730 N. FIRST STREET, SUITE 600
 SAN JOSE, CA 95112
 PHONE: (408) 467-9100
 CONTACT: PHONG KIET

STATEMENT OF RESPONSIBILITY:

- THE LOCATIONS, SIZES AND/OR DEPTHS OF EXISTING UNDERGROUND UTILITIES AS SHOWN ON THIS PLAN WERE OBTAINED FROM SOURCES OF VARYING RELIABILITY. THE CONTRACTOR IS CAUTIONED THAT ONLY ACTUAL EXCAVATION WILL REVEAL THE TYPES, EXTENT, SIZES, LOCATIONS AND DEPTHS OF SUCH UNDERGROUND UTILITIES (A REASONABLE EFFORT HAS BEEN MADE TO LOCATE AND DELINEATE ALL KNOWN UNDERGROUND UTILITIES). CONTRACTOR SHALL VERIFY LOCATION AND DEPTH PRIOR TO ANY EXCAVATION OR IMPROVEMENT.
- CONTRACTOR SHALL CONTACT UNDERGROUND SERVICE ALERT FOR LOCATION OF UNDERGROUND UTILITIES AT LEAST 48 HOURS PRIOR TO COMMENCEMENT OF CONSTRUCTION- PHONE (800) 642-2444. CONTRACTOR SHALL VERIFY ALL EXISTING UTILITIES PRIOR TO BEGINNING ANY WORK ON THIS SITE.
- THESE DRAWINGS DO NOT ADDRESS CONTRACTOR MEANS, METHODS OR PROCESSES THAT MAY BE ASSOCIATED WITH ANY TOXIC SOILS IF FOUND ON SITE. THE CONTRACTOR IS RESPONSIBLE FOR COMPLYING WITH ALL CITY AND COUNTY STANDARDS AND APPROPRIATE REGULATIONS IF TOXIC SOILS ARE ENCOUNTERED. CONTRACTOR MUST NOTIFY THE CONSTRUCTION PROJECT MANAGER IMMEDIATELY IF ANY SOILS ARE EVEN SUSPECTED OF BEING CONTAMINATED.
- CONTRACTOR AGREES THAT THEY SHALL ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THIS PROJECT INCLUDING SAFETY OF ALL PERSONS AND PROPERTY THAT THIS REQUIREMENT SHALL APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS. THE CONTRACTOR SHALL DEFEND INDEMNIFY AND HOLD THE CONSULTING ENGINEER AND THE CITY HARMLESS FROM ANY AND ALL LIABILITY, REAL OR ALLEGED, IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT, EXCEPTING FOR LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF THE CONSULTING ENGINEER.
- ELEVATIONS AND LOCATIONS OF ALL EXISTING UTILITY CROSSINGS SHALL BE VERIFIED BY THE CONTRACTOR PRIOR TO START OF ANY CONSTRUCTION AFFECTING SAID LINES. CONTRACT UNDERGROUND SERVICE ALERT AT (800) 642-2444 AT LEAST TWO (2) WORKING DAYS PRIOR TO EXCAVATION. THE UTILITIES SHOWN ON THE PLANS ARE BASED UPON RECORD INFORMATION. HOWEVER, THE CIVIL DESIGN ENGINEER ASSUMES NO RESPONSIBILITY FOR THEIR ACCURACY OR ACTUAL LOCATIONS.
- CONTRACTOR SHALL COMPLY WITH STATE, COUNTY AND CITY LAWS AND ORDINANCES; AND REGULATIONS OF THE DEPARTMENT OF INDUSTRIAL RELATIONS, OSHA AND INDUSTRIAL ACCIDENT COMMISSION RELATING TO SAFETY AND CHARACTER OF WORK, EQUIPMENT AND LABOR PERSONNEL.

GENERAL NOTES:

- EXISTING TOPOGRAPHIC SURVEY PERFORMED BY BKF ENGINEERS IN JULY 2016 UNDER THE DIRECTION OF DAVID DARLING (L.S. #7625). GRADES ENCOUNTERED ON-SITE MAY VARY FROM THOSE SHOWN. CONTRACTOR SHALL REVIEW THE PLANS AND CONDUCT FIELD INVESTIGATIONS AS REQUIRED TO VERIFY EXISTING CONDITIONS AT THE PROJECT SITE.

UTILITY NOTE:

- THE UTILITY LINES SHOWN ON THIS PLAN ARE DERIVED FROM SURFACE OBSERVATIONS AND RECORD MAPS. AND ARE APPROXIMATE ONLY. NO WARRANTY IS IMPLIED AS TO THE ACTUAL LOCATION, SIZE OR PRESENCE OF ANY LINES SHOWN HEREON OR ANY ADDITIONAL UTILITY LINES NOT SHOWN ON THIS PLAN.

BENCHMARK:

A CITY OF OAKLAND BENCHMARK #16NW4 (AKA B-20-E) DESCRIBED AS: A PIN IN MONUMENT AT INTERSECTION OF CENTER STREET AND 5TH STREET.

ELEV=4.256 FEET (CITY OF OAKLAND DATUM)

BASIS OF BEARING:

THE BEARING N13°04'10"E ALONG THE MONUMENT LINE BETWEEN MONUMENT "9 SW 6" (A MONUMENT PIN IN A MONUMENT BOX LOCATED IN THE NW QUADRANT OF THE INTERSECTION OF 23TH STREET AND WAVERLY STREET) AND MONUMENT "9 SW 9" (A MONUMENT PIN IN A MONUMENT BOX LOCATED IN THE NW QUADRANT OF 24TH STREET AND WAVERLY STREET) AS SAID MONUMENT LINE IS SHOWN AND CALCULATED FROM MONUMENT SHEETS PROVIDED BY THE CITY OF OAKLAND, AND AS SHOWN HEREON.

SURVEYOR'S NOTES:

- ALL DISTANCES AND DIMENSIONS ARE IN FEET AND DECIMALS THEREOF.
- ENCROACHMENT OF 5' SSE AS SHOWN ON PREVIOUS ALTA SURVEY BY BKF ENGINEERS.
- SOUTHERLY AND SOUTHEASTERLY FACE OF BUILDING AT 2359 HARRISON ENCLOSED INTO NEIGHBORING PARCEL AND STREET RIGHT OF WAY AS SHOWN.
- SCREENED, BACKGROUND DATA IS AERIAL MAPPING FROM 2016.

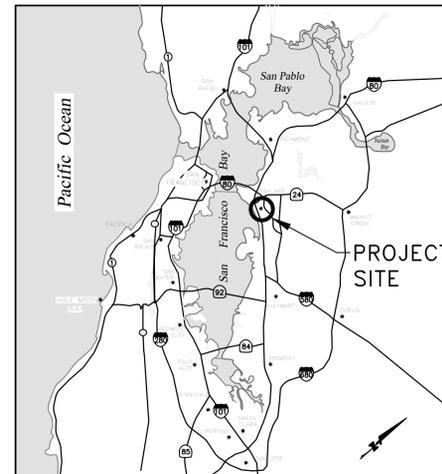
TREE/PLANT PROTECTION NOTES:

- PRIOR TO BEGINNING CONSTRUCTION ON SITE, CONTRACTOR SHALL IDENTIFY AND PROTECT EXISTING TREES AND PLANTS DESIGNATED AS TO REMAIN.
- PROVIDE 6 FOOT TALL TREE PROTECTION FENCE WITH DISTINCTIVE MARKING VISIBLE TO CONSTRUCTION EQUIPMENT, ENLOSING DRIP LINES OF TREES DESIGNATED TO REMAIN OR TO THE SATISFACTION OF THE CITY ENGINEER/ARBORIST.
- WORK REQUIRED WITHIN FENCE LINE SHALL BE HELD TO A MINIMUM, AVOID UNNECESSARY MOVEMENT OF HEAVY EQUIPMENT WITHIN FENCED AREA AND DO NOT PARK VEHICLES UNDER DRIP LINE OF TREES.
- PRIOR TO REMOVING ROOTS AND BRANCHES LARGER THAN 2" IN DIAMETER OF TREES OR PLANTS THAT ARE TO REMAIN, CONSULT WITH THE CONSTRUCTION PROJECT MANAGER.
- ANY GRADE CHANGES GREATER THAN 6" WITHIN THE DRIPLINE OF EXISTING TREES SHALL NOT BE MADE WITHOUT FIRST CONSULTING THE LANDSCAPE ARCHITECT/CIVIL ENGINEER.
- PROTECT EXISTING TREES TO REMAIN FROM SPILLED CHEMICALS, FUEL OIL, MOTOR OIL, GASOLINE AND ALL OTHER CHEMICALLY INJURIOUS MATERIAL; AS WELL AS FROM PUDDLING OR CONTINUOUSLY RUNNING WATER. SHOULD A SPILL OCCUR, STOP WORK IN THAT AREA AND CONTACT THE CITY'S ENGINEER/INSPECTOR IMMEDIATELY. CONTRACTOR SHALL BE RESPONSIBLE TO MITIGATE DAMAGE FROM SPILLED MATERIAL AS WELL AS MATERIAL CLEAN UP.
- PROVIDE TEMPORARY IRRIGATION TO ALL TREES AND PLANTS THAT ARE IN OR ADJACENT TO CONSTRUCTION AREAS WHERE EXISTING IRRIGATION SYSTEMS MAY BE AFFECTED BY THE CONSTRUCTION. ALSO PROVIDE TEMPORARY IRRIGATION TO RELOCATED TREES.
- CONTRACTOR SHALL BE RESPONSIBLE FOR ONGOING MAINTENANCE OF ALL TREES DESIGNATED TO REMAIN AND FOR MAINTENANCE OF RELOCATED TREES STOCKPILED DURING CONSTRUCTION. CONTRACTOR WILL BE REQUIRED TO REPLACE TREES THAT DIE DUE TO LACK OF MAINTENANCE.



LOCATION MAP

NTS



VICINITY MAP

NTS

ENGINEER'S STATEMENT

THESE PLANS HAVE BEEN PREPARED BY ME OR UNDER MY DIRECTION IN ACCORDANCE WITH STANDARD ENGINEERING PRACTICE.

Phong Kiet
 PHONG KIET, PE
 PROJECT MANAGER
 BKF ENGINEERS

6/4/2020

DATE



TABLE OF CONTENTS

SHEET	TITLE
C0.0	TITLE SHEET
C1.0	EXISTING CONDITIONS AND DEMOLITION PLAN
C2.0	SITE PLAN
C3.0	GRADING PLAN
C4.0	UTILITY PLAN
C5.0	EROSION CONTROL PLAN
C5.1	BEST MANAGEMENT PRACTICES
C6.0-C6.1	STORMWATER CONTROL PLAN

UTILITY INFORMATION

WATER SUPPLY:	EAST BAY MUNICIPAL UTILITY DISTRICT
STORM DRAINAGE:	CITY OF OAKLAND
SEWAGE DISPOSAL:	CITY OF OAKLAND
GAS:	PACIFIC GAS & ELECTRIC
ELECTRIC:	PACIFIC GAS & ELECTRIC
TELEPHONE:	AT&T
CABLE:	COMCAST

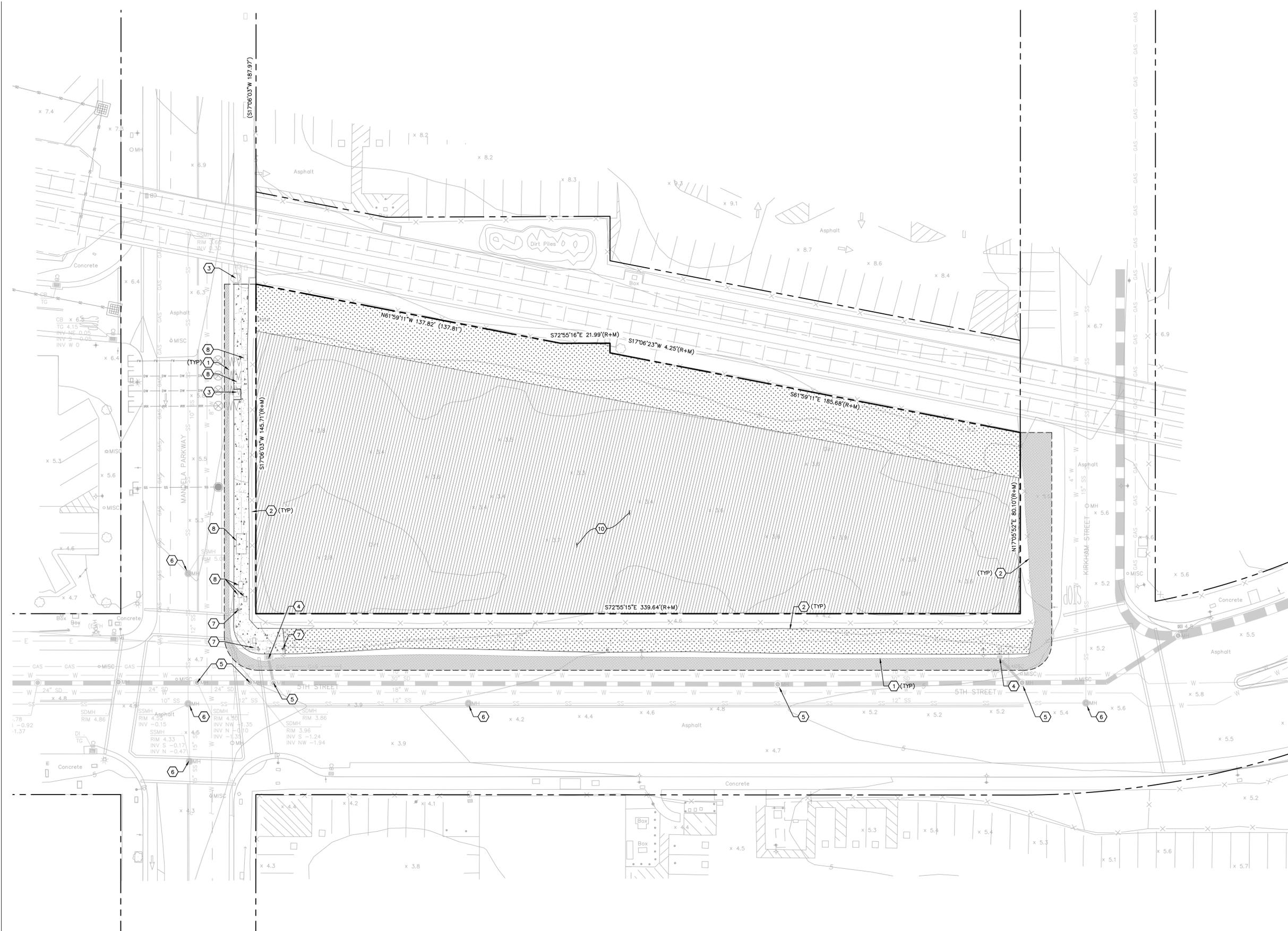
ABBREVIATIONS

SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
AB	AGGREGATE BASE	MAX	MAXIMUM
AC	ASPHALT CONCRETE	MEP	MECHANICAL/ELECTRICAL/PLUMBING
AD	AREA DRAIN	MH	MANHOLE
AGG	AGGREGATE	MIN	MINIMUM
APPROX	APPROXIMATE	MON	MONUMENT
BB	BUBBLER BOX	OD	OVERFLOW DRAIN
BC	BEGINNING OF CURVE	OR	ORIFICE
BCR	BEGIN CURB RETURN	(N)	NORTH/NEW
BLDG	BUILDING	N.A.P.	NOT A PART
BM	BENCH MARK	N.D.P.E.S.	NATIONAL POLLUTANT DISCHARGE
BO	BLOWOFF VALVE	ELIMINATION SYSTEM	ELIMINATION SYSTEM
BVC	BEGIN VERTICAL CURVE	NO., #	NUMBER
BW	BACK OF WALK/	NTS	NOT TO SCALE
CB	BOTTOM OF WALL	P.A.E.	PUBLIC ACCESS EASEMENT
CDS	CATCH BASIN	PC	POINT OF COMPOUND CURVE or
C&G	CUL-DE-SAC	PCC	PORTLAND CEMENT CONCRETE
C, CL	CURB & GUTTER	PE	POP-UP EMITTER
CMP	CENTERLINE	PG&E	PACIFIC GAS AND ELECTRIC
CO	CORRUGATED METAL PIPE	PL	PROPERTY LINE
CONC	CLEANOUT	P.O.C.	POINT OF CONNECTION
CR	CONCRETE	PRC	POINT OF REVERSE CURVE
CVC	CURB RETURN	PROP	PROPOSED
DEFL	CENTER OF VERTICAL CURVE	P.S.D.E.	PRIVATE STORM DRAIN EASEMENT
DI	DEFLECTION	P.S.E.	PUBLIC SERVICE EASEMENT
DIP	DROP INLET	PT	POINT
DIA	DUCTILE IRON PIPE	P.U.E.	PUBLIC UTILITY EASEMENT
DS	DIAMETER	PW	PLANTER WALL
DW	DOWNSPOUT	PV	PAVEMENT
D/W	DOMESTIC WATER	PVC	POLYVINYL CHLORIDE
DWG	DRIVEWAY	PVI	POINT OF VERTICAL INTERSECTION
EBMUD	DRAWING	R	RADIUS
ELEC	EAST BAY MUNICIPAL	RCP	REINFORCED CONCRETE PIPE
(E)	UTILITY DISTRICT	RES	RESIDENTIAL
EC	ELECTRIC	RET	RETAIL
ECR	EAST	RIM EL	RIM ELEVATION
EL	END OF CURVE	RPPA	REDUCED PRESSURE
EP	END OF CURB RETURN	RT	RIGHT
E.P.	ELEVATION	S	RIGHT OF WAY
E.V.A.E.	EDGE OF PAVEMENT	(S)	SLOPE
EVC	EMERGENCY VEHICLE	SD	STORM DRAIN
EW	ACCESS EASEMENT	S.D.E.	STORM DRAIN EASEMENT
EX	END VERTICAL CURVE	SDMH	STORM DRAIN MANHOLE
EXIST	EACHWAY	SHT.	SHEET
(F)	EXISTING	SS	SANITARY SEWER
F/C	FUTURE	SSMH	SANITARY SEWER MANHOLE
F/F	FACE OF CURB	ST.	STREET
FG	FINISHED FLOOR ELEVATION	STA	STATION
FH	FINISHED GRADE	STD	STANDARD
FL	FIRE HYDRANT	S/W	SIDEWALK
FM	FLOW LINE	T OR TELE	TELEPHONE
FOB	FORCE MAIN	TBD	TO BE DETERMINED
FP	FACE OF BUILDING	T&B	TOP AND BOTTOM
FT	FINISHED PAVEMENT	TC	TOP OF CURB
G	FEET	TEMP	TEMPORARY
GB	GAS	TG	TOP OF GRATE
GE	GRADE BREAK	TP	TOP OF PAVEMENT
GM	GARAGE ELEVATION	TYP.	TYPICAL
HI	GAS METER	VC	VERTICAL CURVE
HP	HOODED INLET	VERT.	VERTICAL
HV	HIGH POINT	W	WATER
I.E.E.	HIGH VOLTAGE	W/	WITH
INV	INGRESS/EGRESS EASEMENT	(W)	WEST
IRR	INVERT	W	WATERLINE
JT	IRRIGATION	WM	WATER METER
LAT	JOINT TRENCH	WV	WATER VALVE
L	LATERAL	1/2 PT	HALF POINT OF CURB
LG	LENGTH		RETURN AT F/C
LP	LINEAR FEET		
LS	LIP OF GUTTER		
LT	LOW POINT		
	LANDSCAPE		
	LEFT		



below.
before you dig.





LEGEND

	REMOVE EXISTING CONCRETE PAVEMENT SECTION
	REMOVE EXISTING ASPHALT CONCRETE PAVEMENT SECTION
	CLEAR AND GRUB EXISTING LANDSCAPING
	PROTECT EXISTING CONCRETE SLAB
	CURB AND GUTTER LINE
	SANITARY SEWER LINE
	STORM DRAIN LINE
	WATER LINE
	GAS LINE
	CATCH BASIN
	COMMUNICATION MANHOLE
	COMMUNICATION PULLBOX
	ELECTRIC MANHOLE
	ELECTRIC PULLBOX
	PARKING METER
	SIGNS
	STORM/SANITARY MANHOLE
	WATER METER

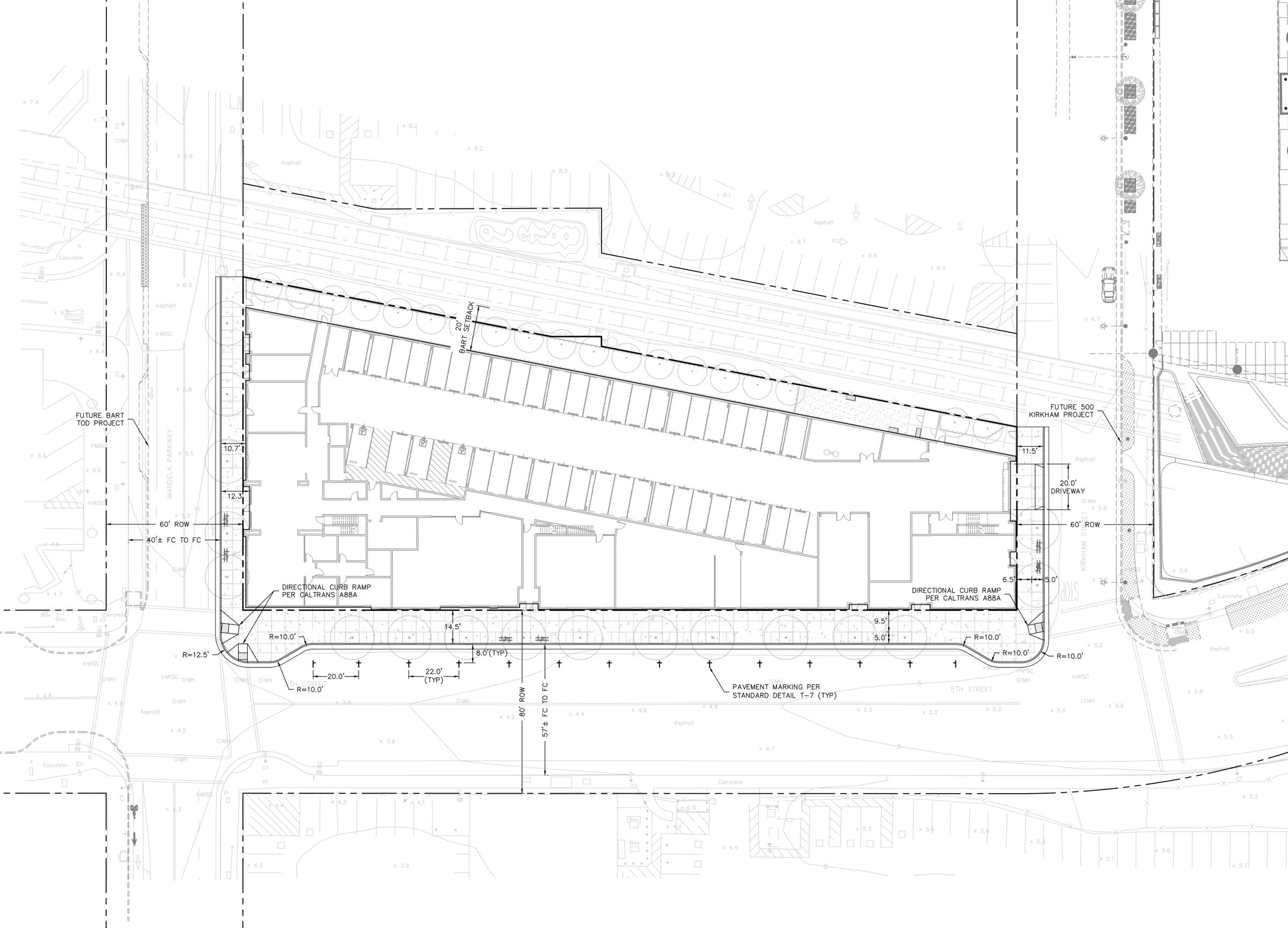
KEYNOTES

- 1 REMOVE EXISTING CURB AND GUTTER
- 2 REMOVE EXISTING CHAINLINK FENCE
- 3 PROTECT EXISTING TREE IN PLACE
- 4 PROTECT EXISTING STORM DRAIN CATCH BASIN IN PLACE
- 5 PROTECT EXISTING STORM DRAIN MANHOLE IN PLACE
- 6 PROTECT EXISTING SANITARY SEWER MANHOLE IN PLACE
- 7 PROTECT EXISTING ELECTRIC POLE IN PLACE
- 8 PROTECT EXISTING ELECTRICAL VAULT AND ASSOCIATED UTILITIES IN PLACE. ADJUST TO GRADE WHERE APPLICABLE
- 9 PROTECT EXISTING MONUMENT IN PLACE
- 10 PROTECT EXISTING CONCRETE SLAB



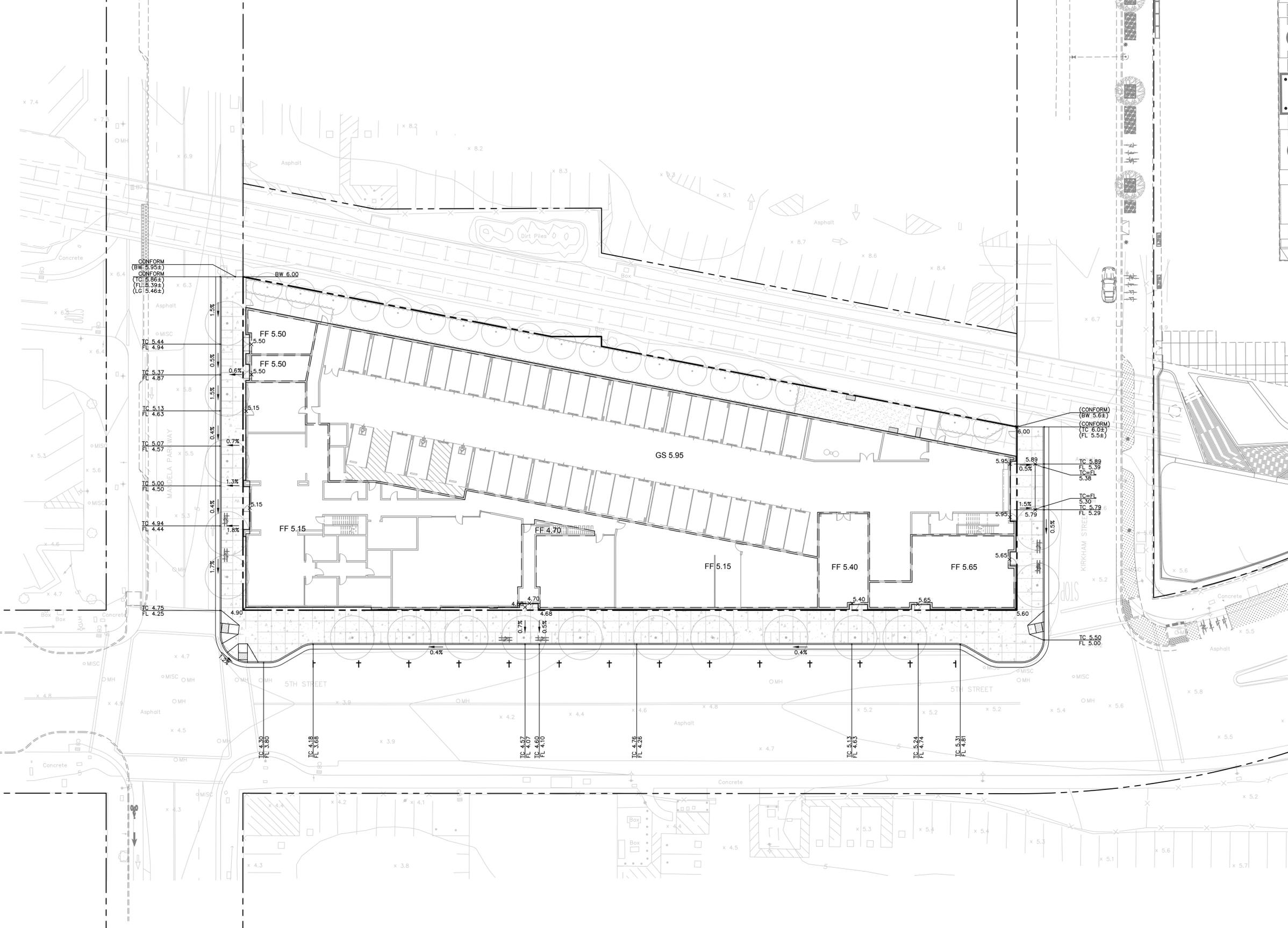
LEGEND

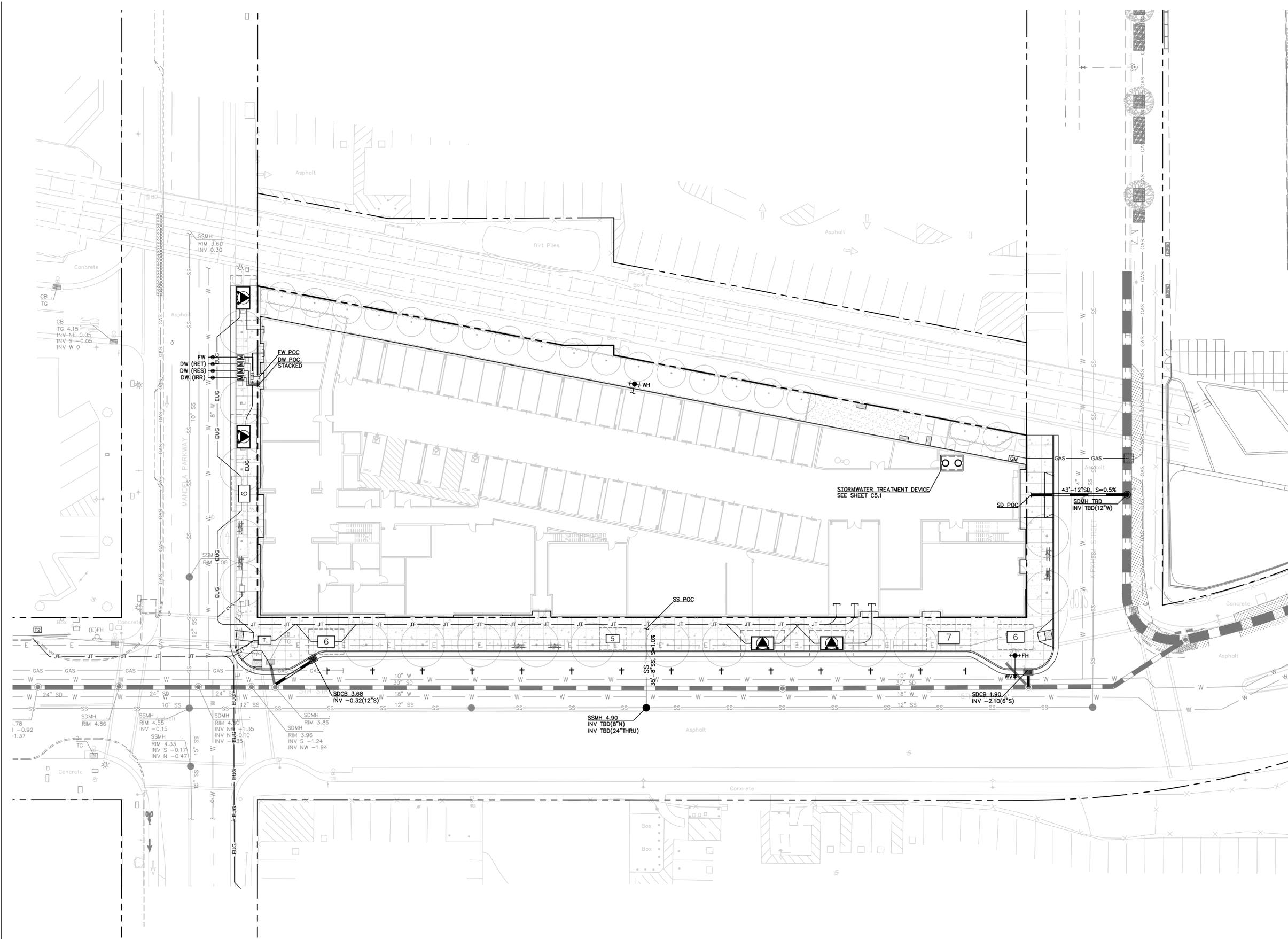
PROPERTY LINE	---
ADJACENT LOT LINE	---
CONCRETE SIDEWALK	▭
VERTICAL CURB & GUTTER (PER CITY DETAIL S-1, TYPE A)	▭
CONCRETE DRIVEWAY (PER CITY DETAIL S-2)	▭



LEGEND

PROPERTY LINE	---
ADJACENT LOT LINE	---
CONCRETE SIDEWALK	▭
VERTICAL CURB & GUTTER (PER CITY DETAIL S-1, TYPE A)	▭
CONCRETE DRIVEWAY (PER CITY DETAIL S-2)	▭
PROPOSED GRADE	TC 15.00 FL 14.50
SLOPE TO DRAIN	1.5%





LEGEND	
PROPERTY LINE	---
ADJACENT LOT LINE	---
STORM DRAIN LINE	—
SANITARY SEWER LINE	— SS
DOMESTIC WATER LINE	— W
FIRE WATER LINE	— FW
JOINT TRENCH LINE (SHOWN FOR REFERENCE ONLY)	— JT
GAS LINE (SHOWN FOR REFERENCE ONLY)	— EUG
STORM DRAIN MANHOLE	○
STORM DRAIN CATCH BASIN	■
SANITARY SEWER MANHOLE	●
WATER METER (PER EBUD)	⊕ FH/WH
FIRE HYDRANT/WHARF HYDRANT	⊕
WALL MOUNTED FDC	⊕
STORMWATER TREATMENT DEVICE (LOCATION TBD)	□
TRANSFORMER (SHOWN FOR REFERENCE ONLY)	⊕
ELECTRICAL VAULT (SHOWN FOR REFERENCE ONLY)	6

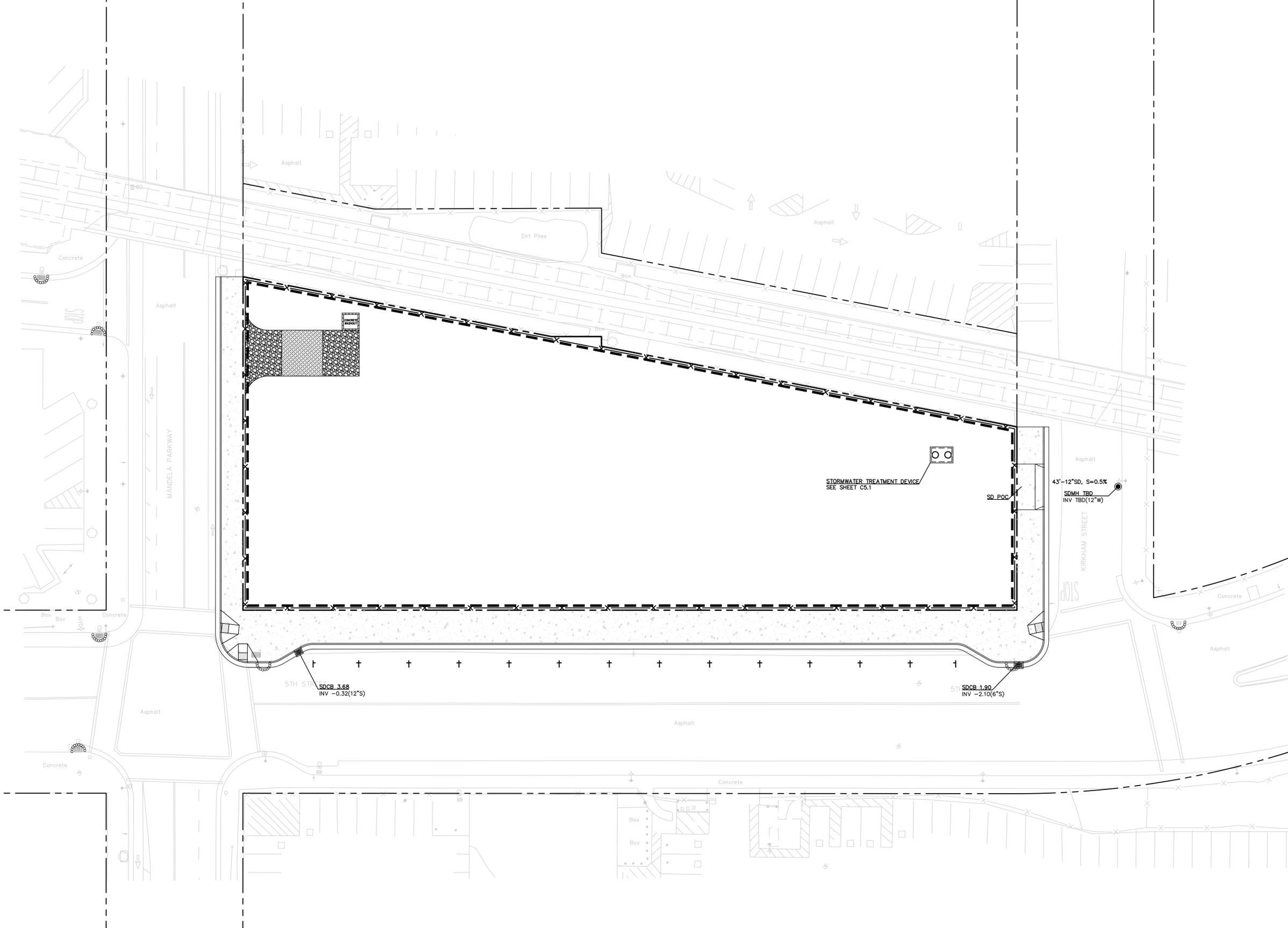
NOTES



1396 5TH STREET
WEST OAKLAND, CA

06/08/2020

PRELIMINARY
UTILITY PLAN
C4.0



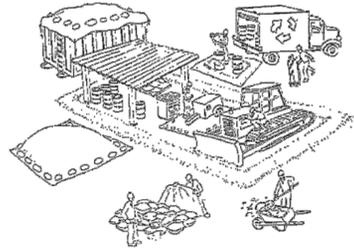
LEGEND

- FIBER ROLL
- TEMPORARY 6' CONSTRUCTION FENCE
- STORM DRAIN INLET PROTECTION (APPROXIMATE LOCATION SHOWN)
- STABILIZED CONSTRUCTION ENTRANCE/EXIT (APPROXIMATE LOCATION SHOWN)
- ENTRANCE/EXIT TIRE WASH (APPROXIMATE LOCATION SHOWN)
- CONCRETE WASTE MANAGEMENT (APPROXIMATE LOCATION SHOWN)

- ### NOTES
1. THIS SHEET IS INTENDED FOR EROSION CONTROL ONLY.
 2. IT IS THE CONTRACTOR'S RESPONSIBILITY TO IMPLEMENT ALL REQUIREMENTS SET FORTH IN THE STATE WATER RESOURCES CONTROL BOARD (SWRCB) ORDER NO. R2-2009-0009-DWQ, NPDES GENERAL PERMIT NO. CAS000002, STORM WATER DISCHARGES ASSOCIATED WITH CONSTRUCTION AND LAND DISTURBANCE ACTIVITIES, SEPTEMBER 2, 2009, ALSO KNOWN AS THE CONSTRUCTION GENERAL PERMIT (CGP).
 3. IT IS THE CONTRACTOR'S RESPONSIBILITY TO RETAIN A QUALIFIED STORM WATER POLLUTION PREVENTION PLAN PRACTITIONER (QSP) THAT WILL MONITOR THE SITE, IN ACCORDANCE WITH THE CGP.
 4. SEE BEST MANAGEMENT PRACTICES ON SHEET C4.1.
 5. THIS PLAN MAY NOT COVER ALL THE SITUATIONS THAT ARISE DURING CONSTRUCTION DUE TO UNANTICIPATED FIELD CONDITIONS. IN GENERAL, THE CONTRACTOR IS RESPONSIBLE FOR KEEPING ANY SEDIMENT FROM LEAVING THE SITE, FIBER ROLLS, SAND BAGS AND ADDITIONAL SILT FENCES SHALL BE USED BY THE CONTRACTOR ON AN AS NEEDED BASIS TO INHIBIT SILT FROM LEAVING THE SITE AND ENTERING THE STORM DRAIN SYSTEM. ALL EXISTING, TEMPORARY OR PERMANENT CATCH BASINS SHALL USE THE SEDIMENT BARRIERS SHOWN ON THIS PLAN.
 6. PROTECT ALL INLETS WITHIN 150' OF PROJECT SITE.



Pollution Prevention - It's Part of the Plan



Make sure your crews and subs do the job right!

Runoff from streets and other paved areas is a major source of pollution and damage to creeks and the San Francisco Bay. Construction activities can directly affect the health of creeks and the Bay unless contractors and crews plan ahead to keep dirt, debris, and other construction waste away from storm drains and local creeks. Following these guidelines and the project specifications will ensure your compliance with County of Alameda requirements.

Materials storage & spill cleanup

Non-hazardous materials management

- ✔ Sand, dirt, and similar materials must be stored at least 10 feet (3 meters) from catch basins. All construction material must be covered with a tarp and contained with a perimeter control during wet weather or when rain is forecasted or when not actively being used within 14 days.
- ✔ Use (but don't overuse) reclaimed water for dust control as needed.
- ✔ Sweep or vacuum streets and other paved areas daily. Do not wash down streets or work areas with water!
- ✔ Recycle all asphalt, concrete, and aggregate base material from demolition activities. Comply with Alameda County Ordinances for recycling construction materials, wood, gyp board, pipe, etc.
- ✔ Check dumpsters regularly for leaks and to make sure they are not overfilled. Repair or replace leaking dumpsters promptly.
- ✔ Cover all dumpsters with a tarp at the end of every work day or during wet weather.

Hazardous materials management

- ✔ Label all hazardous materials and hazardous wastes (such as pesticides, paints, thinners, solvents, fuel, oil, and antifreeze) in accordance with city, county, state, and federal regulations.
- ✔ Store hazardous materials and wastes in water tight containers, store in appropriate secondary containment, and cover them at the end of every work day or during wet weather or when rain is forecasted.
- ✔ Follow manufacturer's application instructions for hazardous materials and be careful not to use more than necessary. Do not apply chemicals outdoors when rain is forecasted within 24 hours.
- ✔ Be sure to arrange for appropriate disposal of all hazardous wastes.

Spill prevention and control

- ✔ Keep a stockpile of spill cleanup materials (rags, absorbents, etc.) available at the construction site at all times.
- ✔ When spills or leaks occur, contain them immediately and be particularly careful to prevent leaks and spills from reaching the gutter, street, or storm drain. Never wash spilled material into a gutter, street, storm drain, or creek!
- ✔ Dispose of all containment and cleanup materials properly.
- ✔ Report any hazardous materials spills immediately! Dial 911 or Alameda County Public Works Agency dispatch at (510) 670-5500

Construction Entrances and Perimeter

- ✔ Establish and maintain effective perimeter controls and stabilize all construction entrances and exits to sufficiently control erosion and sediment discharges from site and tracking off site.
- ✔ Sweep or vacuum any street tracking immediately and secure sediment source to prevent further tracking.

Vehicle and equipment maintenance & cleaning

Inspect vehicles and equipment for leaks

frequently. Use drip pans to catch leaks until repairs are made; repair leaks promptly.

- ✔ Fuel and maintain vehicles on site only in a bermed area or over a drip pan that is big enough to prevent runoff.
- ✔ If you must clean vehicles or equipment on site, clean with water only in a bermed area that will not allow rinse water to run into gutters, streets, storm drains, or creeks.
- ✔ Do not clean vehicles or equipment on-site using soaps, solvents, degreasers, steam cleaning equipment, etc.



Earthwork & contaminated soils

- ✔ Keep excavated soil on the site where it will not collect in the street.
- ✔ Transfer to dump trucks should take place on the site, not in the street.
- ✔ Use fiber rolls, silt fences, or other control measures to minimize the flow of silt off the site.



- ✔ Earth moving activities are only allowed during dry weather by permit and as approved by the County Inspector in the Field.
- ✔ Mature vegetation is the best form of erosion control. Minimize disturbance to existing vegetation whenever possible.
- ✔ If you disturb a slope during construction, prevent erosion by securing the soil with erosion control fabric, or seed with fast-growing grasses as soon as possible. Place fiber rolls down-slope until soil is secure.

- ✔ If you suspect contamination (from site history, discoloration, odor, texture, abandoned underground tanks or pipes, or buried debris), call the Engineer for help in determining what should be done, and manage disposal of contaminated soil according to their instructions.

Dewatering operations

- ✔ Effectively manage all run-on, all runoff within the site, and all runoff that discharges from the site. Run-on from off site shall be directed away from all disturbed areas or shall collectively be in compliance.



- ✔ Reuse water for dust control, irrigation, or another on-site purpose to the greatest extent possible.
- ✔ Be sure to notify and obtain approval from the Engineer before discharging water to a street, gutter, or storm drain. Filtration or diversion through a basin, tank, or sediment trap may be required.
- ✔ In areas of known contamination, testing is required prior to reuse or discharge of groundwater. Consult with the Engineer to determine what testing is required and how to interpret results. Contaminated groundwater must be treated or hauled off-site for proper disposal.

Saw cutting

- ✔ Always completely cover or barricade storm drain inlets when saw cutting. Use filter fabric, catch basin inlet filters, or sand/gravel bags to keep slurry out of the storm drain system.
- ✔ Shovel, absorb, or vacuum saw-cut slurry and pick up all waste as soon as you are finished in one location or at the end of each work day (whichever is sooner!).
- ✔ If saw cut slurry enters a catch basin, clean it up immediately.

Paving/asphalt work



- ✔ Always cover storm drain inlets and manholes when paving or applying seal coat, tack coat, slurry seal, or fog seal.
- ✔ Protect gutters, ditches, and drainage courses with sand/gravel bags, or earthen berms.
- ✔ Do not sweep or wash down excess sand from sand sealing into gutters, storm drains, or creeks. Collect sand and return it to the stockpile, or dispose of it as trash.
- ✔ Do not use water to wash down fresh asphalt concrete pavement.

Concrete, grout, and mortar storage & waste disposal

- ✔ Store concrete, grout, and mortar under cover, on pallets, and away from drainage areas. These materials must never reach a storm drain.
- ✔ Wash out concrete equipment/trucks off-site or into contained washout areas that will not allow discharge of wash water onto the underlying soil or onto the surrounding areas.



- ✔ Collect the wash water from washing exposed aggregate concrete and remove it for appropriate disposal off site.

Painting



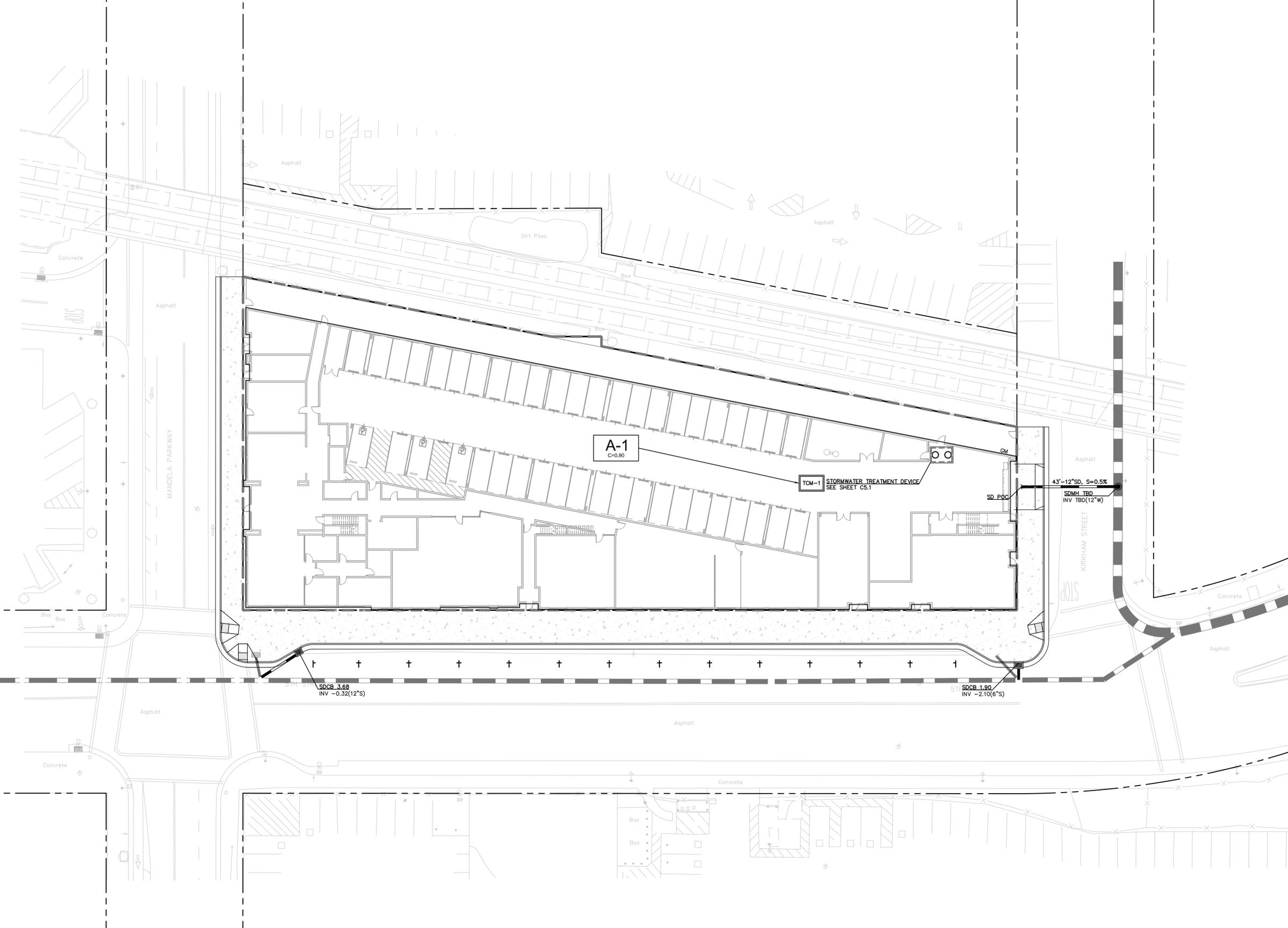
- ✔ Never rinse paint brushes or materials in a gutter or street!
- ✔ Paint out excess water-based paint before rinsing brushes, rollers, or containers in a sink.
- ✔ Paint out excess oil-based paint before cleaning brushes in thinner.
- ✔ Filter paint thinners and solvents for reuse whenever possible. Dispose of oil-based paint sludge and unusable thinner as hazardous waste.

Landscape Materials

- ✔ Contain, cover, and store on pallets all stockpiled landscape materials (mulch, compost, fertilizers, etc.) during wet weather or when rain is forecasted or when not actively being used within 14 days.
- ✔ Discontinue the application of any erodible landscape material within 2 days of forecasted rain and during wet weather.

Storm drain polluters may be liable for fines of \$10,000 or more per day!

For references and more detailed information:
www.cleanwaterprogram.org
www.cabmphandbooks.com



LEGEND

A-X
C=X.X

DRAINAGE MANAGEMENT AREA

TCM-X

TREATMENT CONTROL MEASURE

NOTES



TREATMENT CONTROL MEASURE SUMMARY (BUILDING A)								
AREAS DRAINAGE	DRAINAGE AREA SIZE (SF)	PERVIOUS SURFACE (SF)	TYPE OF PERVIOUS SURFACE	IMPERVIOUS SURFACE (SF)	TYPE OF IMPERVIOUS SURFACE	NON-LID TREATMENT REQUIRED (CFS) PROVIDED (CFS)		PROPOSED TREATMENT CONTROLS
A-1	38,393	0	Landscape	38,393	Roof	0.160	0.182	BR-1/SDTD-1
	38,393	0		38,393				

FILTER SIZING CALCULATION							
C	I(S)	I(F)	A	Q(M)	Q(T)	FILTER	
SDTD-1	0.9	2.2	0.2	38,393	1.756	0.160	Perk Filter 4" Wide Concrete Vault (18" - 7 Cartridges)

C - COEFFICIENT OF RUNOFF
I(S) - INTENSITY OF STORM (IN/HR)
I(F) - FILTRATION RATE (IN/HR)
A - AREA (SQ. FT)
Q(M) - MAXIMUM FLOW RATE (CFS)
Q(T) - TREATMENT FLOW RATE (CFS)

Washington GULD*

2X #36.00" BOLTED & GASKETED ACCESS COVERS, RISERS & SLAB T&G IMPRESSIONS AS REQUIRED. FIELD Poured CONCRETE COLLAR REQUIRED, BY OTHERS. SEE NOTE 2.

VENTED OUTLET HOOD.

TOP SLAB RISER T&G IMPRESSION, AS REQUIRED.

#24" MAXIMUM. SEE NOTE 3.

BASE.

#24" MAXIMUM. SEE NOTE 3.

BASE SECTION.

PERK FILTER™ CARTRIDGES.

CONCRETE FALSE FLOOR.

OUTLET CHAMBER.

CONCRETE DIVIDER WALL.

2X INLET WEIR/BYPASS ASSEMBLY.

INLET GALLERY.

Notes:

- Precast concrete structure shall be manufactured in accordance with ASTM Designation C857 and C858.
- Filter system shall be supplied with traffic rated (H20) bolted & gasketed Ø36" circular access covers with risers as required. Shallow applications may require configurations with (H20) bolted & gasketed square/rectangular access hatches. Field poured concrete collars required, by others.
- Inlet & outlet pipe(s) (Ø 24" maximum) may enter device on all three sides of the inlet & outlet chambers respectively.
- Inlet chamber shall be supplied with a drain-down device designed to remove standing water between storm events.
- For depths less than specified minimums contact Oldcastle® Stormwater Solutions for engineering assistance.

* Treatment Flow Rates shown conform to Washington State GULD Specifications

Perk Filter™
6" Wide Concrete Vault
Washington State GULD
Four to Eleven Cartridges / Stacks

Oldcastle®
Stormwater Solutions
7521 Southpark Plaza, Suite 200 | Littleton, CO | 80120 | Ph: 800.579.8819 | oldcastlestormwater.com
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PF-V-6-WA-0001 | E | JPR 10/3/14 | JPR 3/2/11 | SHEET 1 OF 2

Washington GULD*

FLOATABLES WEIR.

PRIMARY BYPASS BETWEEN FLOW THRU TUBES. FLOW THRU TUBES INTO FILTER CHAMBER.

PERFORATED DRAIN-DOWN FEED-THRU. 2X FLOW THRU TUBES FOR ASSEMBLY.

DETAIL A
INLET WEIR/BYPASS ASSEMBLY & DRAIN-DOWN. SCALE: NONE

2X #36.00" BOLTED & GASKETED ACCESS COVERS, RISERS & SLAB T&G IMPRESSIONS AS REQUIRED. FIELD Poured CONCRETE COLLAR REQUIRED, BY OTHERS. SEE NOTE 2.

PERK FILTER™ CARTRIDGE/STACKS.

CARTRIDGE BYPASS PORT.

VENTED OUTLET HOOD.

MINIMUM DEPTH. SEE CHART & NOTE 6.

#24" MAXIMUM. SEE NOTE 3.

CONCRETE FALSE FLOOR.

TREATED OUTLETS.

CONCRETE FALSE FLOOR.

#24" MAXIMUM. SEE NOTE 3.

SECTION A-A

MINIMUM DEPTH - RIM TO OUTLET INVERT - CARTRIDGE STACK CONFIGURATION

12"	18"	12" x 12"	12" x 18"
4.25' [51.00"]	5.00' [60.00"]	5.92' [71.00"]	6.67' [80.00"]

6" VAULT
TREATMENT FLOW RATES, TOTAL FLOW CAPACITIES & MAXIMUM HEAD LOSS

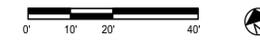
CARTRIDGE STACK QUANTITY	DIMENSION (ID- FEET)	CARTRIDGE STACK CONFIGURATION							
		12"		18"		12" x 12"		12" x 18"	
		TREATMENT FLOW RATE (GPM / CFS)	TOTAL FLOW CAPACITY (CFS)	TREATMENT FLOW RATE (GPM / CFS)	TOTAL FLOW CAPACITY (CFS)	TREATMENT FLOW RATE (GPM / CFS)	TOTAL FLOW CAPACITY (CFS)	TREATMENT FLOW RATE (GPM / CFS)	TOTAL FLOW CAPACITY (CFS)
4	7	27.2 / 0.091	5.7	40.8 / 0.091	6.5	54.4 / 0.121	9.7	68.0 / 0.152	13.0
5	7	34.0 / 0.079	5.7	51.0 / 0.114	6.6	68.0 / 0.152	9.7	85.0 / 0.190	13.0
6	9	40.8 / 0.091	5.8	61.2 / 0.136	6.6	81.0 / 0.182	9.8	102.0 / 0.227	13.1
7	9	47.6 / 0.106	5.8	71.4 / 0.159	6.6	95.2 / 0.212	9.9	119.0 / 0.265	13.2
8	9	54.5 / 0.121	5.8	81.6 / 0.182	6.7	108.0 / 0.243	9.9	136.0 / 0.303	13.2
9	11	61.2 / 0.136	5.8	91.8 / 0.205	6.7	122.4 / 0.273	10.0	153.0 / 0.341	13.3
10	11	68.0 / 0.152	5.9	102.0 / 0.227	6.8	136.0 / 0.303	10.0	170.0 / 0.379	13.4
11	11	74.8 / 0.167	5.9	112.2 / 0.250	6.8	148.8 / 0.334	10.1	187.0 / 0.417	13.4

MAXIMUM HEAD LOSS: 1.7 FEET, 2.3 FEET, 2.9 FEET, 3.5 FEET

* Treatment Flow Rates shown conform to Washington State GULD Specifications.

Perk Filter™
6" Wide Concrete Vault
Washington State GULD
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CAUTION !! CAUTION !! CAUTION !!
 EX. JOINT TRENCH AND EX. GAS AND ALL OTHER UTILITY LOCATIONS ARE SHOWN BASED UPON INFORMATION PROVIDED BY OTHERS AND FIELD OBSERVATION. JOINT TRENCH CONTRACTOR TO VERIFY EXACT LOCATION OF ALL EXISTING FACILITIES PRIOR OF ANY JOINT TRENCH CONSTRUCTION. POT HOLE IF NECESSARY. CONTACT U.S.A. DIG ALERT 2 WORKING DAYS IN ADVANCE.

CONTRACTOR WILL COMPLY WITH ALL LAWS, ORDINANCES AND REGULATIONS. CONTRACTOR SHALL BE FAMILIAR WITH O.S.H.A. INDUSTRIAL ORDERS AND SHALL CONDUCT HIS WORK ACCORDINGLY. WHEN WORKING AROUND ENERGIZED EQUIPMENT, THE UTILITY OWNER SHALL BE NOTIFIED TO SUPPLY THE APPROPRIATE MAN POWER AND SAFETY PRECAUTIONS AS NEEDED. THE CONTRACTOR IS RESPONSIBLE FOR PUBLIC SAFETY AND TRAFFIC CONTROL MEASURES.

JOINT TRENCH OCCUPANCY GUIDE

TRENCH SECTION	A*	B*	C*	D*	E*	F*	G*	H*	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W
GAS	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
TELEPHONE	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CABLE T.V.	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ELECTRIC SEC.	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ELECTRIC PRL.	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X

*THESE SECTIONS MAY OR MAY NOT CONTAIN SECONDARY

SERVICE TERMINATION LEGEND

[E.T.C.] ELECTRIC, TELEPHONE, CATV CLOSET

[G] GAS CLOSET

NOTE: JOINT TRENCH CONTRACTOR TO TIE-IN TO CONDUIT STUBS INSTALLED BY THE BUILDING CONTRACTOR. ADJUST SERVICE TRENCH ROUTE AS NECESSARY.

GAS LOAD BREAKDOWN FOR GAS METER #1

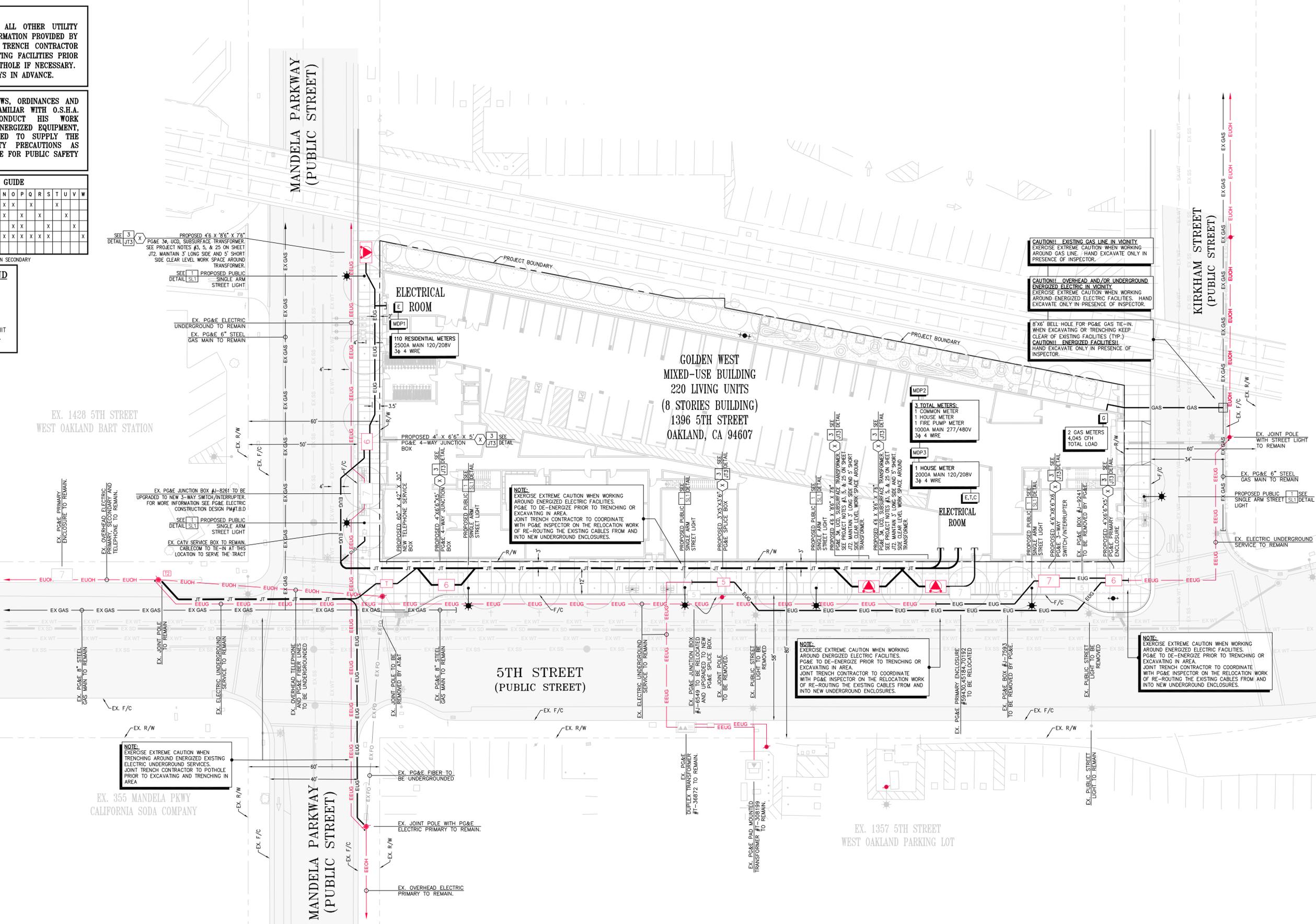
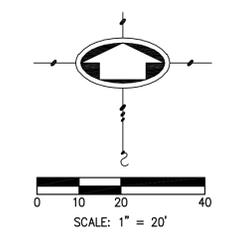
5 WATER HEATERS AT 399 CFH EACH
 3 HVAC UNITS AT 150 CFH EACH
 2 BARBEQUE AT 100 CFH EACH
 3 FIRE PIT AT 300 CFH EACH

3,545 CFH TOTAL CONNECTED LOAD AT 2 PSI ELEVATED DELIVERY GAS PRESSURE.

GAS LOAD BREAKDOWN FOR GAS METER #2

WATER HEATERS AT 200 CFH
 2 HVAC UNITS AT 50 CFH EACH
 2 GAS OVEN AT 100 EACH

3,545 CFH TOTAL CONNECTED LOAD AT 2 PSI ELEVATED DELIVERY GAS PRESSURE.



NOTE: EXERCISE EXTREME CAUTION WHEN TRENCHING AROUND ENERGIZED EXISTING ELECTRIC UNDERGROUND SERVICES. JOINT TRENCH CONTRACTOR TO POTHOLE PRIOR TO EXCAVATING AND TRENCHING IN AREA.

NOTE: EXERCISE EXTREME CAUTION WHEN WORKING AROUND ENERGIZED ELECTRIC FACILITIES. PG&E TO DE-ENERGIZE PRIOR TO TRENCHING OR EXCAVATING IN AREA. JOINT TRENCH CONTRACTOR TO COORDINATE WITH PG&E INSPECTOR ON THE RELOCATION WORK OF RE-ROUTING THE EXISTING CABLES FROM AND INTO NEW UNDERGROUND ENCLOSURES.

NOTE: EXERCISE EXTREME CAUTION WHEN WORKING AROUND ENERGIZED ELECTRIC FACILITIES. PG&E TO DE-ENERGIZE PRIOR TO TRENCHING OR EXCAVATING IN AREA. JOINT TRENCH CONTRACTOR TO COORDINATE WITH PG&E INSPECTOR ON THE RELOCATION WORK OF RE-ROUTING THE EXISTING CABLES FROM AND INTO NEW UNDERGROUND ENCLOSURES.

NOTE: EXERCISE EXTREME CAUTION WHEN WORKING AROUND ENERGIZED ELECTRIC FACILITIES. PG&E TO DE-ENERGIZE PRIOR TO TRENCHING OR EXCAVATING IN AREA. JOINT TRENCH CONTRACTOR TO COORDINATE WITH PG&E INSPECTOR ON THE RELOCATION WORK OF RE-ROUTING THE EXISTING CABLES FROM AND INTO NEW UNDERGROUND ENCLOSURES.

CAUTION!! EXISTING GAS LINE IN VICINITY. EXERCISE EXTREME CAUTION WHEN WORKING AROUND GAS LINE. HAND EXCAVATE ONLY IN PRESENCE OF INSPECTOR.

CAUTION!! OVERHEAD AND/OR UNDERGROUND ENERGIZED ELECTRIC IN VICINITY. EXERCISE EXTREME CAUTION WHEN WORKING AROUND ENERGIZED ELECTRIC FACILITIES. HAND EXCAVATE ONLY IN PRESENCE OF INSPECTOR.

5'x6' BELL HOLE FOR PG&E GAS TIE-IN. WHEN EXCAVATING OR TRENCHING KEEP CLEAR OF EXISTING FACILITIES (TYP.) CAUTION!! ENERGIZED FACILITIES!! HAND EXCAVATE ONLY IN PRESENCE OF INSPECTOR.

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 (925) 240-7013 fax
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JOINT TRENCH COMPOSITE PLAN
 MICHAELS DEVELOPMENTS
 GOLDEN WEST
 OAKLAND CALIFORNIA

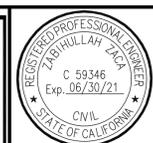
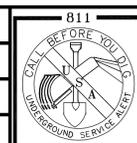
NO.	REVISIONS	BY	DATE

DATE: MAY 2020
 SCALE: 1" = 20'
 JOB NO: 219090

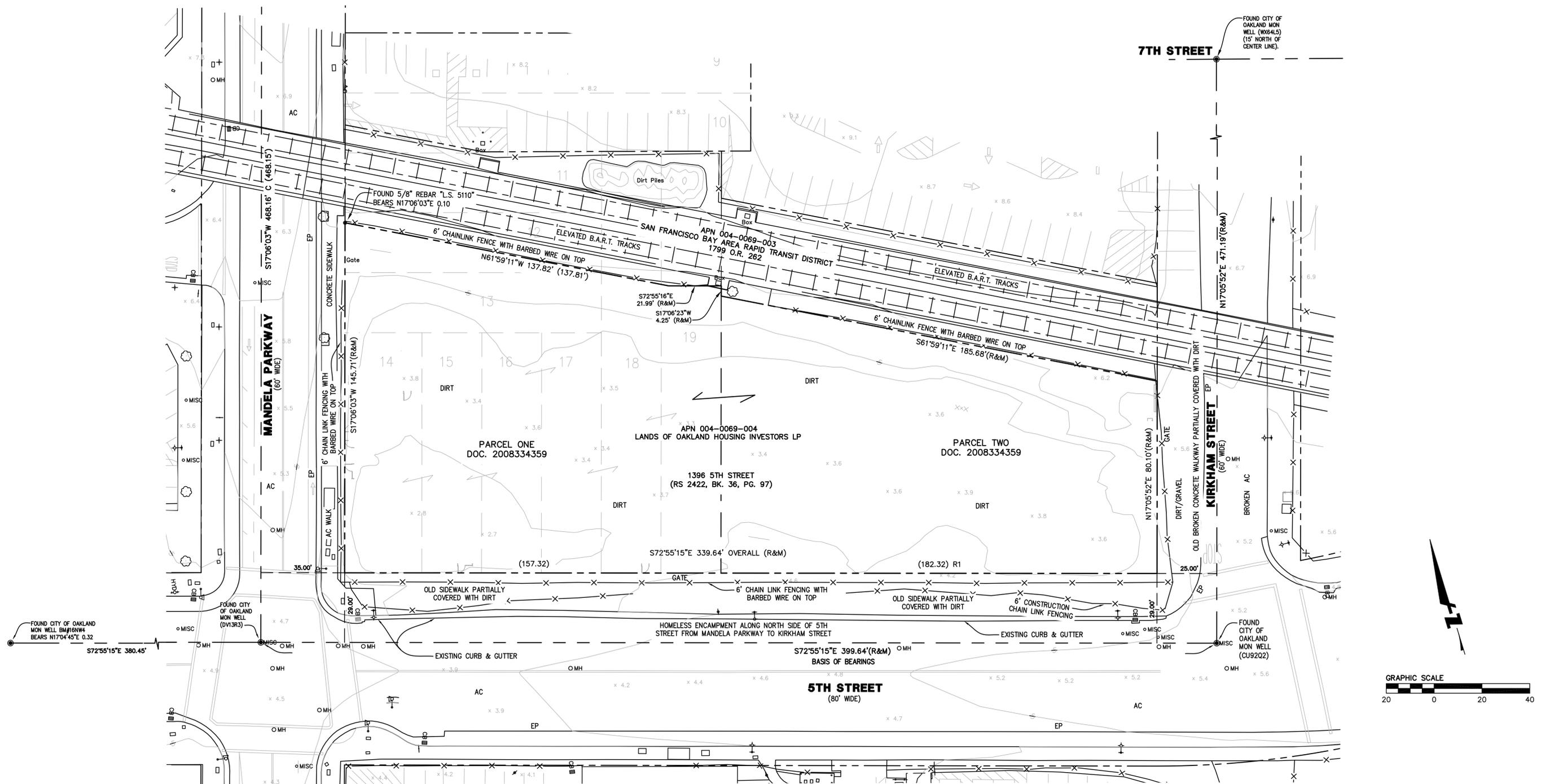
DATE LAST WORKED ON: 8/14/2020
 DRAWN: HK
 CHECKED: KT

PRELIMINARY
 NOT FOR CONSTRUCTION

INTENT TO CONSTRUCT



SHEET
JT5
 OF
JT5
 SHEETS



SURVEY NOTES

1. ALL DISTANCES AND DIMENSIONS ARE SHOWN IN FEET AND DECIMALS THEREOF.
2. DATES OF FIELD SURVEY: JANUARY AND FEBRUARY, 2020.
3. BOUNDARY NOTE: THE PARCEL LINES SHOWN HEREON ARE THE RESULT OF A BOUNDARY SURVEY MADE IN CONFORMANCE WITH THE REQUIREMENTS OF THE PROFESSIONAL LAND SURVEYOR'S ACT.
4. RECORD DIMENSIONS ARE SHOWN PER RECORD OF SURVEY FILED IN ALAMEDA COUNTY RECORDS ON OCTOBER 6, 2011 IN BOOK 36 ON PAGE 97.
5. AERIAL TOPOGRAPHIC SURVEY WAS PROVIDED BY 360 AERIAL SURVEYS, DATE OF SURVEY: JANUARY 29, 2020.

BASIS OF BEARINGS

THE BEARING S72°55'15"W ALONG THE MONUMENT LINE BETWEEN MONUMENT, "DV13R3" (A MONUMENT PIN IN A MONUMENT BOX LOCATED IN THE NW QUADRANT OF THE INTERSECTION OF MANDELA PARKWAY AND 5TH STREET) AND MONUMENT, "CJ92Q2" (A MONUMENT PIN IN A MONUMENT BOX LOCATED IN THE NW QUADRANT OF KIRKHAM STREET AND 5TH STREET) AS SAID MONUMENT LINE OF 5TH STREET IS SHOWN ON RECORD OF SURVEY NO. 2422, RECORDED IN BOOK 36 OF MAPS, PAGE 97, FILED IN ALAMEDA COUNTY RECORDS, AND AS SHOWN HEREON.

BENCHMARK

A CITY OF OAKLAND BENCHMARK #16NW4 (AKA B-20-E) DESCRIBED AS: A PIN IN MONUMENT AT INTERSECTION OF CENTER STREET AND 5TH STREET.
ELEV=4.256 FEET (CITY OF OAKLAND DATUM)

SURVEYOR STATEMENT

THIS MAP CORRECTLY REPRESENTS A SURVEY MADE BY ME OR UNDER MY DIRECTION IN CONFORMANCE WITH THE REQUIREMENTS OF THE CALIFORNIA LAND SURVEYORS ACT AT THE REQUEST OF THE OAKLAND HOUSING INVESTORS, L.P., ON 1/16/2020.

I HEREBY STATE THAT ALL EXISTING GRADES AND CONTOURS ARE BASED UPON CITY OF OAKLAND DATUM.

I HEREBY FURTHER STATE THAT TO THE BEST OF MY KNOWLEDGE ALL PROVISIONS OF APPLICABLE STATE LAWS AND LOCAL ORDINANCES HAVE BEEN FULLY SATISFIED.

I HEREBY FURTHER STATE THAT THE PARCELS DESIGNATED BY MY SURVEY AND SHOWN ON THIS MAP IS THE SAME AS THAT SHOWN ON:

- THAT (THOSE) CERTAIN DEED(S), RECORDED DATE 11/17/2008 IN DOCUMENT NO. 2008334359 IN THE OFFICE OF THE ALAMEDA COUNTY RECORDER, AND IDENTIFIED ON THE CURRENT EQUALIZED ASSESSMENT ROLL OF THE ALAMEDA COUNTY ASSESSOR AS PARCEL NO.: 004-0069-004.
- PARCEL MAP WAIVER, RECORDED ON _____ DOC. NO. _____ IN THE OFFICE OF THE ALAMEDA COUNTY RECORDER. (A PARCEL MAP WAIVER AND LOT MERGER HAVE BEEN SUBMITTED AND ARE CURRENTLY PENDING).

I HEREBY ACKNOWLEDGE THAT THIS SURVEY SHALL BE A PUBLIC RECORD AND MAY BE AVAILABLE FOR INSPECTION AND DISTRIBUTION TO THE GENERAL PUBLIC.

David Darling MAY 26, 2020
SIGNATURE DATE

SURVEYOR L.S. 7625
TITLE LICENSE #



LEGEND

- SUBJECT PARCEL, PROPERTY LINE
- STREET MONUMENT LINE
- ADJACENT LOT LINE
- TIE LINE
- OLD LOT LINE
- CHAINLINK FENCE LINE
- TREE DRIP LINE PER AERIAL MAPPING
- FOUND BRASS PIN IN CONCRETE IN MONUMENT WELL. (ALPHANUMERIC NUMBER PER CITY OF OAKLAND CODES).
- FOUND FOUND 5/8" REBAR, TAGGED L.S. 5110.
- RECORD INFORMATION PER RECORD OF SURVEY NO. 2422, IN MAP BOOK 36, PAGE 97.
- ASPHALTIC CONCRETE
- EDGE OF PAVEMENT
- AC
- EP

SYMBOL LEGEND

- ⊕ TRAFFIC SIGNAL
- ⊕ STREET LIGHT
- ⊕ WATER METER
- ⊕ JOINT UTILITY POLE
- ⊕ SIGN
- ⊕ MANHOLE PER AERIAL MAPPING
- ⊕ FIRE HYDRANT
- ⊕ CATCH BASIN
- ⊕ TREE
- ⊕ UTILITY VAULT

Revisions	No.	Date	Scale	Design	Drawn	Approved	Job No.
		08-08-2020	1" = 20'				20191165

Date: 08-08-2020
Scale: 1" = 20'
Design: ---
Drawn: DFH
Approved: DSD
Job No: 20191165

Draining Number:
TOPO
1 OF 1

1396 5TH STREET

VESTING TENTATIVE PARCEL MAP NO. 11142

CITY OF OAKLAND, ALAMEDA COUNTY, CALIFORNIA

PROJECT INFORMATION:

PROPERTY ADDRESS: 1396 5TH STREET, OAKLAND, CA 94607
 ASSESSOR'S PARCEL NO.: 004-0069-004
 OWNER/DEVELOPER: OAKLAND HOUSING INVESTORS, LP
 PO BOX 90708
 CAMDEN, NJ 08101
 PHONE: (310) 709-1887
 CONTACT: SCOTT COOPER
 ARCHITECT: BDE ARCHITECTURE
 934 HOWARD STREET
 SAN FRANCISCO, CA 94103
 PHONE: (415) 677-0966
 CONTACT: NATHAN SIMPSON
 CIVIL ENGINEER: BKF ENGINEERS
 1730 N. FIRST STREET, SUITE 600
 SAN JOSE, CA 95112
 PHONE: (408) 467-9100
 CONTACT: PHONG KIET

STATEMENT OF RESPONSIBILITY:

- THE LOCATIONS, SIZES AND/OR DEPTHS OF EXISTING UNDERGROUND UTILITIES AS SHOWN ON THIS PLAN WERE OBTAINED FROM SOURCES OF VARYING RELIABILITY. THE CONTRACTOR IS CAUTIONED THAT ONLY ACTUAL EXCAVATION WILL REVEAL THE TYPES, EXTENT, SIZES, LOCATIONS AND DEPTHS OF SUCH UNDERGROUND UTILITIES (A REASONABLE EFFORT HAS BEEN MADE TO LOCATE AND DELINEATE ALL KNOWN UNDERGROUND UTILITIES). CONTRACTOR SHALL VERIFY LOCATION AND DEPTH PRIOR TO ANY EXCAVATION OR IMPROVEMENT.
- CONTRACTOR SHALL CONTACT UNDERGROUND SERVICE ALERT FOR LOCATION OF UNDERGROUND UTILITIES AT LEAST 48 HOURS PRIOR TO COMMENCEMENT OF CONSTRUCTION- PHONE (800) 642-2444. CONTRACTOR SHALL VERIFY ALL EXISTING UTILITIES PRIOR TO BEGINNING ANY WORK ON THIS SITE.
- THESE DRAWINGS DO NOT ADDRESS CONTRACTOR MEANS, METHODS OR PROCESSES THAT MAY BE ASSOCIATED WITH ANY TOXIC SOILS IF FOUND ON SITE. THE CONTRACTOR IS RESPONSIBLE FOR COMPLYING WITH ALL CITY AND COUNTY STANDARDS AND APPROPRIATE REGULATIONS IF TOXIC SOILS ARE ENCOUNTERED. CONTRACTOR MUST NOTIFY THE CONSTRUCTION PROJECT MANAGER IMMEDIATELY IF ANY SOILS ARE EVEN SUSPECTED OF BEING CONTAMINATED.
- CONTRACTOR AGREES THAT THEY SHALL ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THIS PROJECT INCLUDING SAFETY OF ALL PERSONS AND PROPERTY THAT THIS REQUIREMENT SHALL APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS. THE CONTRACTOR SHALL DEFEND INDEMNIFY AND HOLD THE CONSULTING ENGINEER AND THE CITY HARMLESS FROM ANY AND ALL LIABILITY, REAL OR ALLEGED, IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT, EXCEPTING FOR LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF THE CONSULTING ENGINEER.
- ELEVATIONS AND LOCATIONS OF ALL EXISTING UTILITY CROSSINGS SHALL BE VERIFIED BY THE CONTRACTOR PRIOR TO START OF ANY CONSTRUCTION AFFECTING SAID LINES. CONTRACT UNDERGROUND SERVICE ALERT AT (800) 642-2444 AT LEAST TWO (2) WORKING DAYS PRIOR TO EXCAVATION. THE UTILITIES SHOWN ON THE PLANS ARE BASED UPON RECORD INFORMATION. HOWEVER, THE CIVIL DESIGN ENGINEER ASSUMES NO RESPONSIBILITY FOR THEIR ACCURACY OR ACTUAL LOCATIONS.
- CONTRACTOR SHALL COMPLY WITH STATE, COUNTY AND CITY LAWS AND ORDINANCES; AND REGULATIONS OF THE DEPARTMENT OF INDUSTRIAL RELATIONS, OSHA AND INDUSTRIAL ACCIDENT COMMISSION RELATING TO SAFETY AND CHARACTER OF WORK, EQUIPMENT AND LABOR PERSONNEL.

BENCHMARK:

A CITY OF OAKLAND BENCHMARK #16NW4 (AKA B-20-E) DESCRIBED AS: A PIN IN MONUMENT AT INTERSECTION OF CENTER STREET AND 5TH STREET.
 ELEV=4.256 FEET (CITY OF OAKLAND DATUM)

BASIS OF BEARING:

THE BEARING S72°55'15"E ALONG THE MONUMENT LINE BETWEEN MONUMENT, "DV13R3" (A MONUMENT PIN IN A MONUMENT BOX LOCATED AT THE INTERSECTION OF 5TH STREET AND MANDELA PARKWAY) AND MONUMENT, "C09202" (A MONUMENT PIN IN A MONUMENT BOX LOCATED AT THE INTERSECTION OF 5TH STREET AND KIRKHAM STREET) AS SAID MONUMENT LINE IS SHOWN ON THE RECORD OF SURVEY NO. 2422, AND RECORDED IN BOOK 36 OF MAPS, PAGE 97.

SURVEYOR'S NOTES:

- ALL DISTANCES ARE IN FEET AND DECIMALS OF A FOOT.
- BOUNDARY INFORMATION AS SHOWN HEREON IS BASED ON A BOUNDARY SURVEY COMPLETED ON FEBRUARY 4 2020.

TREE/PLANT PROTECTION NOTES:

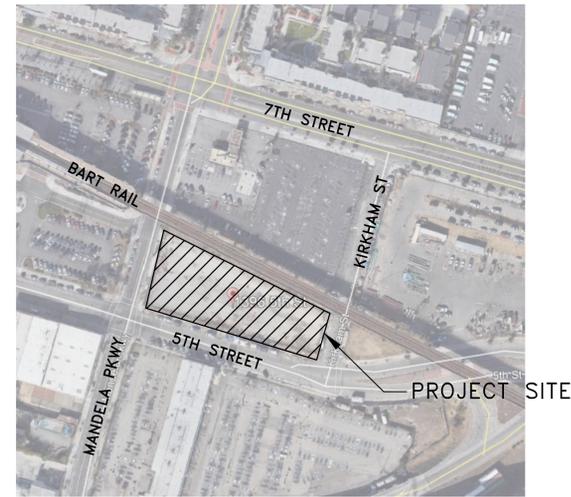
- PRIOR TO BEGINNING CONSTRUCTION ON SITE, CONTRACTOR SHALL IDENTIFY AND PROTECT EXISTING TREES AND PLANTS DESIGNATED AS TO REMAIN.
- PROVIDE 6 FOOT TALL TREE PROTECTION FENCE WITH DISTINCTIVE MARKING VISIBLE TO CONSTRUCTION EQUIPMENT, ENCLOSED DRIP LINES OF TREES DESIGNATED TO REMAIN OR TO THE SATISFACTION OF THE CITY ENGINEER/ARBORIST.
- WORK REQUIRED WITHIN FENCE LINE SHALL BE HELD TO A MINIMUM. AVOID UNNECESSARY MOVEMENT OF HEAVY EQUIPMENT WITHIN FENCED AREA AND DO NOT PARK VEHICLES UNDER DRIP LINE OF TREES.
- PRIOR TO REMOVING ROOTS AND BRANCHES LARGER THAN 2" IN DIAMETER OF TREES OR PLANTS THAT ARE TO REMAIN, CONSULT WITH THE CONSTRUCTION PROJECT MANAGER.
- ANY GRADE CHANGES GREATER THAN 6" WITHIN THE DRIPLINE OF EXISTING TREES SHALL NOT BE MADE WITHOUT FIRST CONSULTING THE LANDSCAPE ARCHITECT/CIVIL ENGINEER.
- PROTECT EXISTING TREES TO REMAIN FROM SPILLED CHEMICALS, FUEL OIL, MOTOR OIL, GASOLINE AND ALL OTHER CHEMICALLY INJURIOUS MATERIAL; AS WELL AS FROM PUDDLING OR CONTINUOUSLY RUNNING WATER. SHOULD A SPILL OCCUR, STOP WORK IN THAT AREA AND CONTACT THE CITY'S ENGINEER/INSPECTOR IMMEDIATELY. CONTRACTOR SHALL BE RESPONSIBLE TO MITIGATE DAMAGE FROM SPILLED MATERIAL AS WELL AS MATERIAL CLEAN UP.
- PROVIDE TEMPORARY IRRIGATION TO ALL TREES AND PLANTS THAT ARE IN OR ADJACENT TO CONSTRUCTION AREAS WHERE EXISTING IRRIGATION SYSTEMS MAY BE AFFECTED BY THE CONSTRUCTION. ALSO PROVIDE TEMPORARY IRRIGATION TO RELOCATED TREES.
- CONTRACTOR SHALL BE RESPONSIBLE FOR ONGOING MAINTENANCE OF ALL TREES DESIGNATED TO REMAIN AND FOR MAINTENANCE OF RELOCATED TREES STOCKPILED DURING CONSTRUCTION. CONTRACTOR WILL BE REQUIRED TO REPLACE TREES THAT DIE DUE TO LACK OF MAINTENANCE.

GENERAL NOTES:

- EXISTING TOPOGRAPHIC SURVEY PERFORMED BY BKF ENGINEERS IN JULY 2016 UNDER THE DIRECTION OF DAVID DARLING (L.S. #7625). GRADES ENCOUNTERED ON-SITE MAY VARY FROM THOSE SHOWN. CONTRACTOR SHALL REVIEW THE PLANS AND CONDUCT FIELD INVESTIGATIONS AS REQUIRED TO VERIFY EXISTING CONDITIONS AT THE PROJECT SITE.

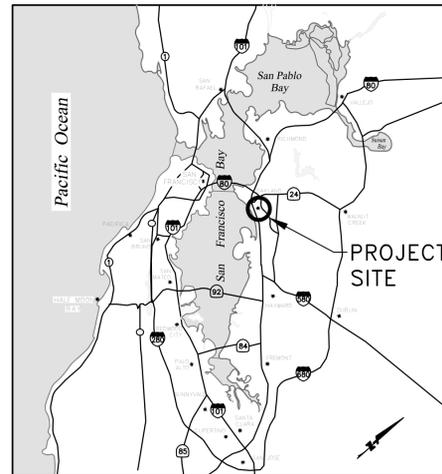
UTILITY NOTE:

- THE UTILITY LINES SHOWN ON THIS PLAN ARE DERIVED FROM SURFACE OBSERVATIONS AND RECORD MAPS, AND ARE APPROXIMATE ONLY. NO WARRANTY IS IMPLIED AS TO THE ACTUAL LOCATION, SIZE OR PRESENCE OF ANY LINES SHOWN HEREON OR ANY ADDITIONAL UTILITY LINES NOT SHOWN ON THIS PLAN.



LOCATION MAP

NTS



VICINITY MAP

NTS

ENGINEER'S STATEMENT

THESE PLANS HAVE BEEN PREPARED BY ME OR UNDER MY DIRECTION IN ACCORDANCE WITH STANDARD ENGINEERING PRACTICE.

PHONG KIET, PE
 PROJECT MANAGER
 BKF ENGINEERS
 DATE: 11/4/2020



SURVEYOR'S STATEMENT

THIS VESTING TENTATIVE PARCEL MAP SHEET (C2.1) HAS BEEN PREPARED BY MY OR UNDER MY DIRECTION IN ACCORDANCE WITH STANDARD ENGINEERING PRACTICE.

DAVE DARLING, PLS
 SURVEYING MANAGER
 BKF ENGINEERS
 DATE: 11/4/2020



TABLE OF CONTENTS

SHEET	TITLE
C0.0	TITLE SHEET
C1.0	EXISTING CONDITIONS
C2.0	PRELIMINARY SITE PLAN
C2.1	VESTING TENTATIVE PARCEL MAP
C3.0	PRELIMINARY GRADING PLAN
C4.0	PRELIMINARY UTILITY PLAN
C5.0	EROSION CONTROL PLAN
C5.1	BEST MANAGEMENT PRACTICES
C6.0-C6.1	STORMWATER CONTROL PLAN

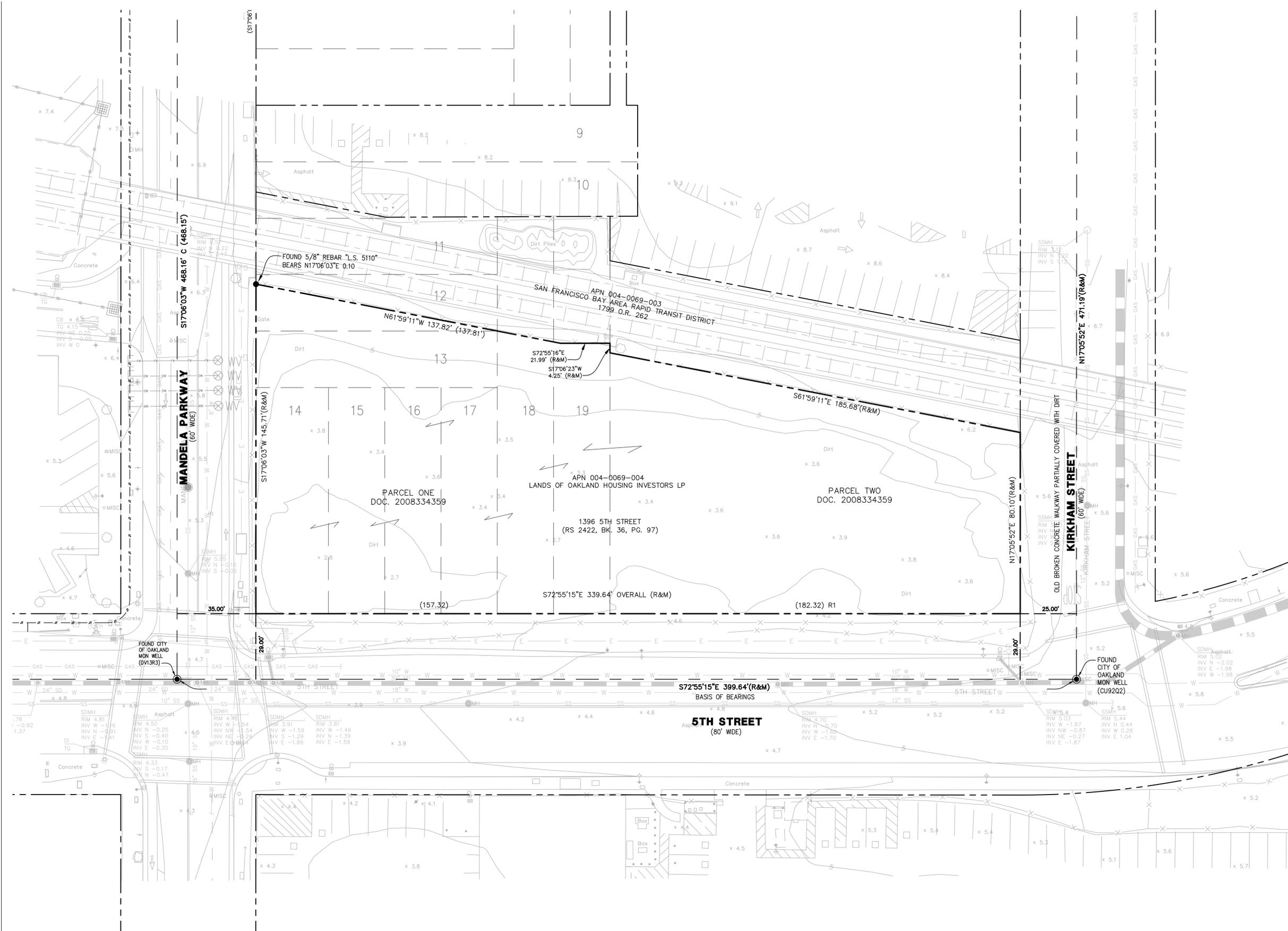
UTILITY INFORMATION

WATER SUPPLY: EAST BAY MUNICIPAL UTILITY DISTRICT
 STORM DRAINAGE: CITY OF OAKLAND
 SEWAGE DISPOSAL: CITY OF OAKLAND
 GAS: PACIFIC GAS & ELECTRIC
 ELECTRIC: PACIFIC GAS & ELECTRIC
 TELEPHONE: AT&T
 CABLE: COMCAST

ABBREVIATIONS

SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
AB	AGGREGATE BASE	MAX	MAXIMUM
AC	ASPHALT CONCRETE	MEP	MECHANICAL/ELECTRICAL/PLUMBING
AD	AREA DRAIN	MH	MANHOLE
AGG	AGGREGATE	MIN	MINIMUM
APPROX	APPROXIMATE	MON	MONUMENT
BB	BUBBLER BOX	OD	OVERFLOW DRAIN
BC	BEGINNING OF CURVE	OR	ORIFICE
BCR	BEGIN CURB RETURN	(N)	NORTH/NEW
BLDG	BUILDING	N.A.P.	NOT A PART
BM	BENCH MARK	N.D.P.E.S.	NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM
BO	BLOWOFF VALVE	NO., #	NUMBER
BVC	BEGIN VERTICAL CURVE	NTS	NOT TO SCALE
BW	BACK OF WALK/ BOTTOM OF WALL	P.A.E.	PUBLIC ACCESS EASEMENT
CB	CATCH BASIN	PCC	POINT OF COMPOUND CURVE OF PORTLAND CEMENT CONCRETE
CDS	CUL-DE-SAC	PE	POP-UP EMITTER
C&G	CURB & GUTTER	PG&E	PACIFIC GAS AND ELECTRIC
C - CL	CENTERLINE	PL	PROPERTY LINE
CMP	CORRUGATED METAL PIPE	P.O.C.	POINT OF CONNECTION
CO	CLEANOUT	PRC	POINT OF REVERSE CURVE
CONC	CONCRETE	PROP	PROPOSED
CR	CURB RETURN	P.S.D.E.	PRIVATE STORM DRAIN EASEMENT
CVC	CENTER OF VERTICAL CURVE	P.S.E.	PUBLIC SERVICE EASEMENT
DEFL	DEFLECTION	PT	POINT
DIP	DROP INLET	P.U.E.	PUBLIC UTILITY EASEMENT
DIA	DUCTILE IRON PIPE	PW	PLANTER WALL
DS	DIAMETER	PV	PAVEMENT
DW	DOWNSPOUT	PVC	POLYVINYL CHLORIDE
D/W	DOMESTIC WATER	PVI	POINT OF VERTICAL INTERSECTION
DWG	DRIVEWAY	R	RADIUS
EBMUD	DRAWING	RCP	REINFORCED CONCRETE PIPE
E	EAST BAY MUNICIPAL UTILITY DISTRICT	RES	RESIDENTIAL
ELEC	ELECTRIC	RET	RETAIL
(E)	EAST	RIM EL	RIM ELEVATION
ECR	END OF CURVE	RPPA	REDUCED PRESSURE PRINCIPAL ASSEMBLY
EL	END OF CURB RETURN	RT	RIGHT
EP	ELEVATION	S	RIGHT OF WAY
E.P.A.E.	EDGE OF PAVEMENT EMERGENCY VEHICLE ACCESS EASEMENT	SLOPE	SLOPE
EVC	END VERTICAL CURVE	(S)	SOUTH
EW	EACHWAY	SD	STORM DRAIN
EX	EXISTING	S.D.E.	STORM DRAIN EASEMENT
(F)	FUTURE	SDMH	STORM DRAIN MANHOLE
F/C	FACE OF CURB	SHT.	SHEET
FF	FINISHED FLOOR ELEVATION	SS	SANITARY SEWER
FG	FINISHED GRADE	SSMH	SANITARY SEWER MANHOLE
FH	FIRE HYDRANT	ST.	STREET
FL	FLOW LINE	STA	STATION
FM	FORCE MAIN	STD	STANDARD
FOB	FACE OF BUILDING	S/W	SIDEWALK
FP	FINISHED PAVEMENT	T OR TELE	TELEPHONE
FT	FEET	TBD	TO BE DETERMINED
G	GAS	T&B	TOP AND BOTTOM
GB	GRADE BREAK	TC	TOP OF CURB
GE	GARAGE ELEVATION	TEMP	TEMPORARY
GM	GAS METER	TG	TOP OF GRATE
HI	HOODED INLET	TP	TOP OF PAVEMENT
HP	HIGH POINT	TYP.	TYPICAL
HV	HIGH VOLTAGE	VC	VERTICAL CURVE
I.E.E.	INGRESS/EGRESS EASEMENT	VERT.	VERTICAL
INV	INVERT	W	WATER
IRR	IRRIGATION	W/	WITH
JT	JOINT TRENCH	(W)	WEST
LAT	LATERAL	W	WATERLINE
L	LENGTH	WM	WATER METER
LF	LINEAR FEET	WV	WATER VALVE
LG	LIP OF GUTTER	LS	LANDSCAPE
LP	LOW POINT	LT	LEFT
LS	LANDSCAPE	1/2 PT	RETURN AT F/C





LEGEND

PROPERTY LINE	---
ADJACENT PARCEL LINE	---
LOT LINE	---
MONUMENT LINE	---
FENCE LINE	-X-
CONTOUR LINE	5
WATER LINE	W
SEWER LINE	SS
STORM DRAIN LINE	---
ELECTRICAL	E
CITY MONUMENT	●

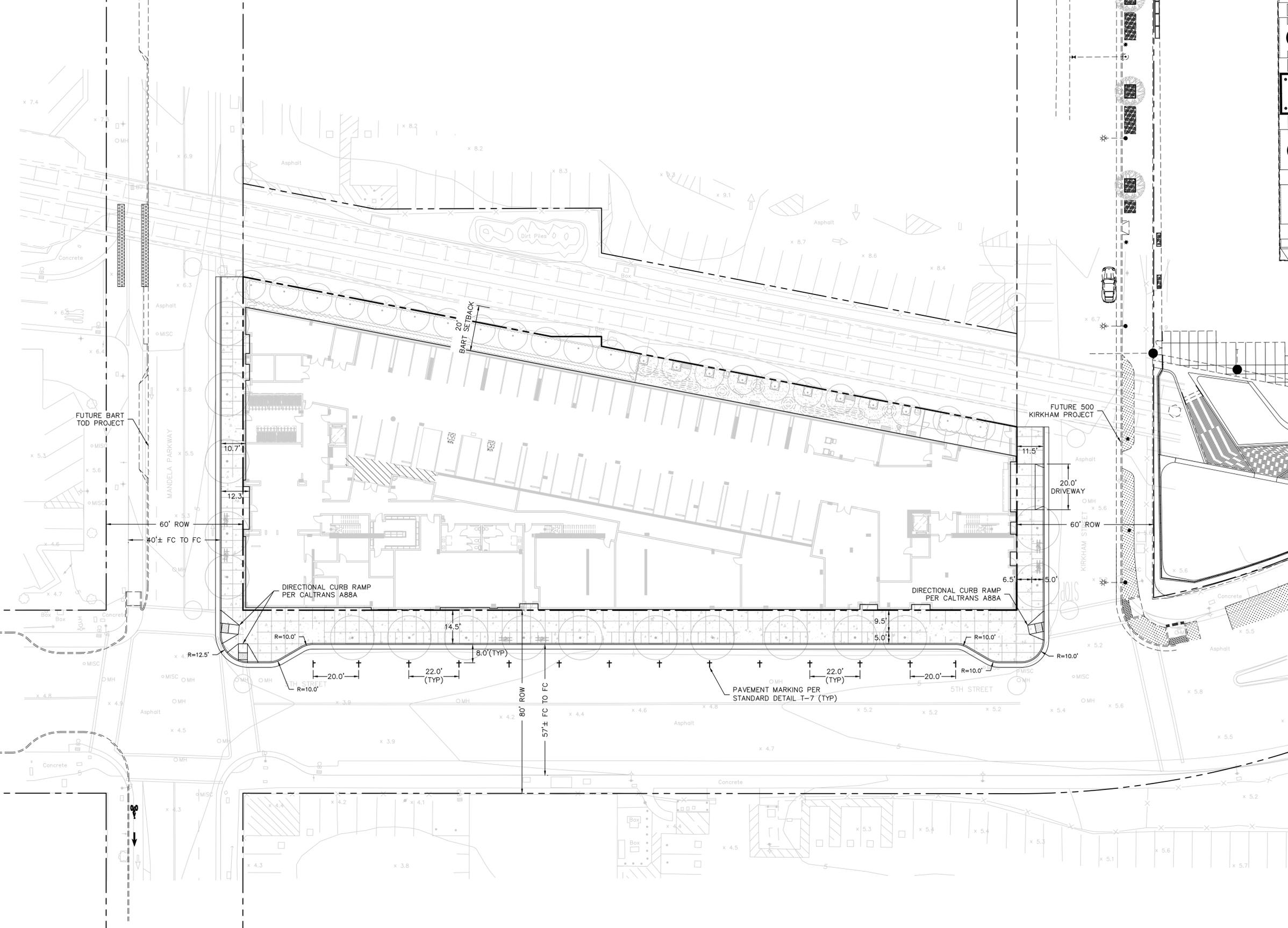
NOTES

BASIS OF BEARING:
 THE BEARING S72°55'15"E ALONG THE MONUMENT LINE BETWEEN MONUMENT, "DVI3R3" (A MONUMENT PIN IN A MONUMENT BOX LOCATED AT THE INTERSECTION OF 5TH STREET AND MANDELA PARKWAY) AND MONUMENT, "CU92Q2" (A MONUMENT PIN IN A MONUMENT BOX LOCATED AT THE INTERSECTION OF 5TH STREET AND KIRKHAM STREET) AS SAID MONUMENT LINE IS SHOWN ON THE RECORD OF SURVEY NO. 2422, AND RECORDED IN BOOK 36 OF MAPS, PAGE 97.



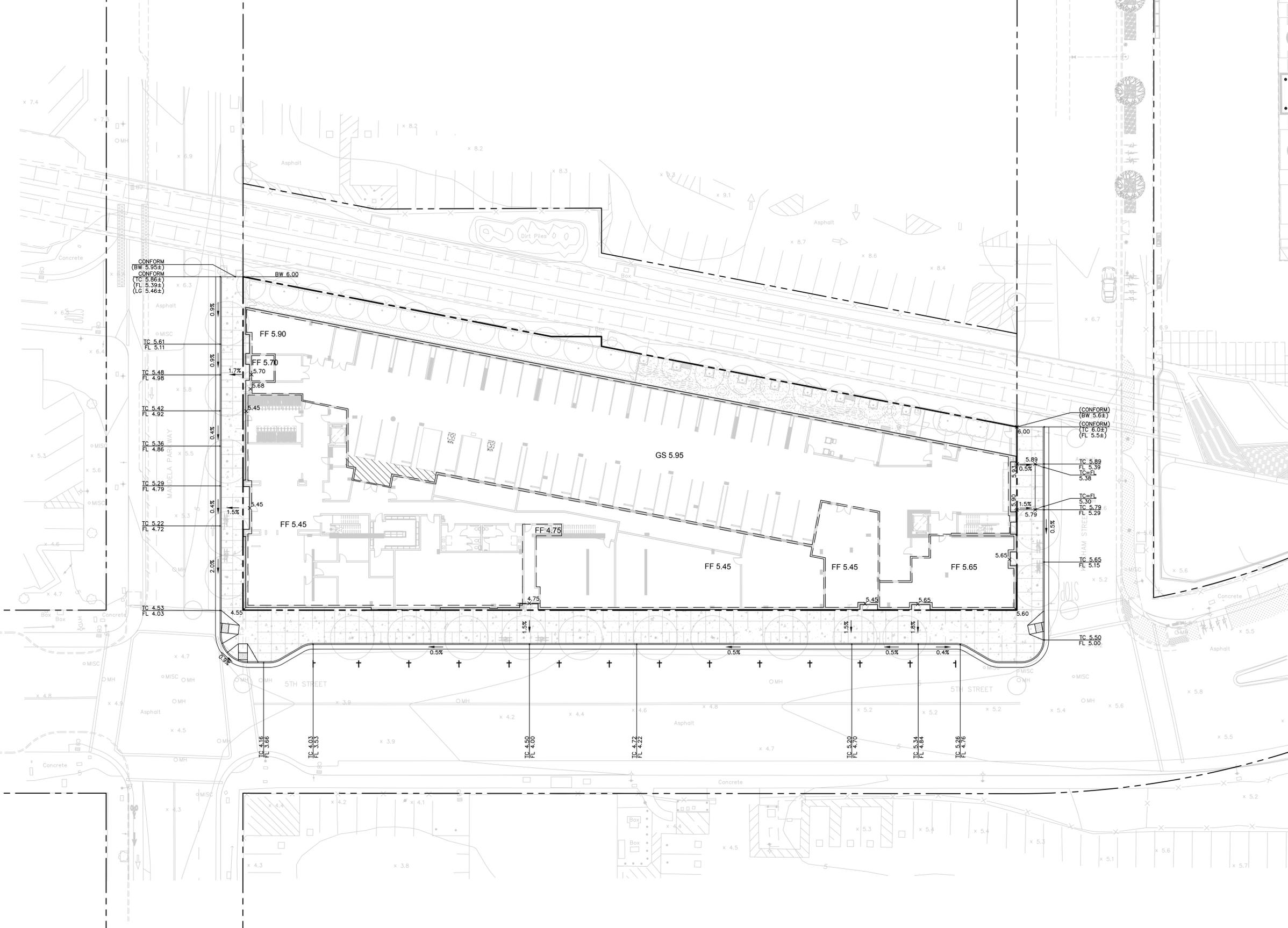
LEGEND

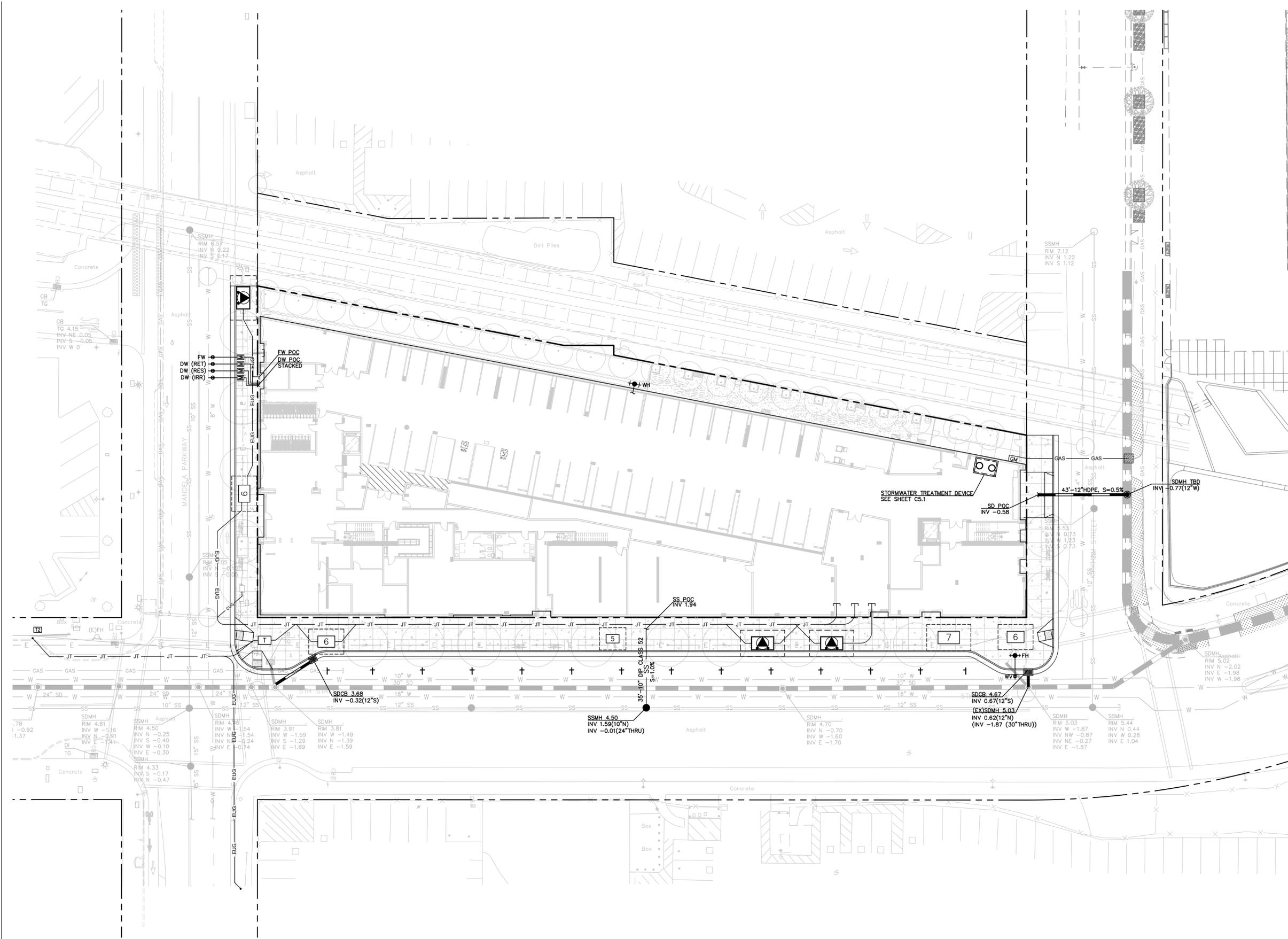
PROPERTY LINE	---
ADJACENT LOT LINE	---
CONCRETE SIDEWALK	▬▬▬
VERTICAL CURB & GUTTER (PER CITY DETAIL S-1, TYPE A)	▬▬▬
CONCRETE DRIVEWAY (PER CITY DETAIL S-2)	▬▬▬



LEGEND

- PROPERTY LINE ---
- ADJACENT LOT LINE ---
- CONCRETE SIDEWALK ▭
- VERTICAL CURB & GUTTER
(PER CITY DETAIL S-1, TYPE A) ▭
- CONCRETE DRIVEWAY
(PER CITY DETAIL S-2) ▭
- PROPOSED GRADE / TC 15.00
FL 14.50
- SLOPE TO DRAIN 1.5%





LEGEND

PROPERTY LINE	---
ADJACENT LOT LINE	---
STORM DRAIN LINE	---
SANITARY SEWER LINE	SS
DOMESTIC WATER LINE	W
FIRE WATER LINE	FW
JOINT TRENCH LINE (SHOWN FOR REFERENCE ONLY)	JT
GAS LINE (SHOWN FOR REFERENCE ONLY)	EUG
STORM DRAIN MANHOLE	○
STORM DRAIN CATCH BASIN	■
SANITARY SEWER MANHOLE	●
WATER METER (PER EBUD)	FH/WH
FIRE HYDRANT/WHARF HYDRANT	+
WALL MOUNTED FDC	⌘
STORMWATER TREATMENT DEVICE (LOCATION TBD)	□
TRANSFORMER (SHOWN FOR REFERENCE ONLY)	⏏
ELECTRICAL VAULT (SHOWN FOR REFERENCE ONLY)	6

NOTES

SDCB 3.68
INV -0.32(12'S)

SSMH 4.50
INV 1.59(10'N)
INV -0.01(24'THRU)

SDCB 4.67
INV 0.67(12'S)
(EX)SDMH 5.03
(INV -1.87 (30'THRU))

STORMWATER TREATMENT DEVICE
SEE SHEET C5.1

43'-12" HDPE, S=0.5%

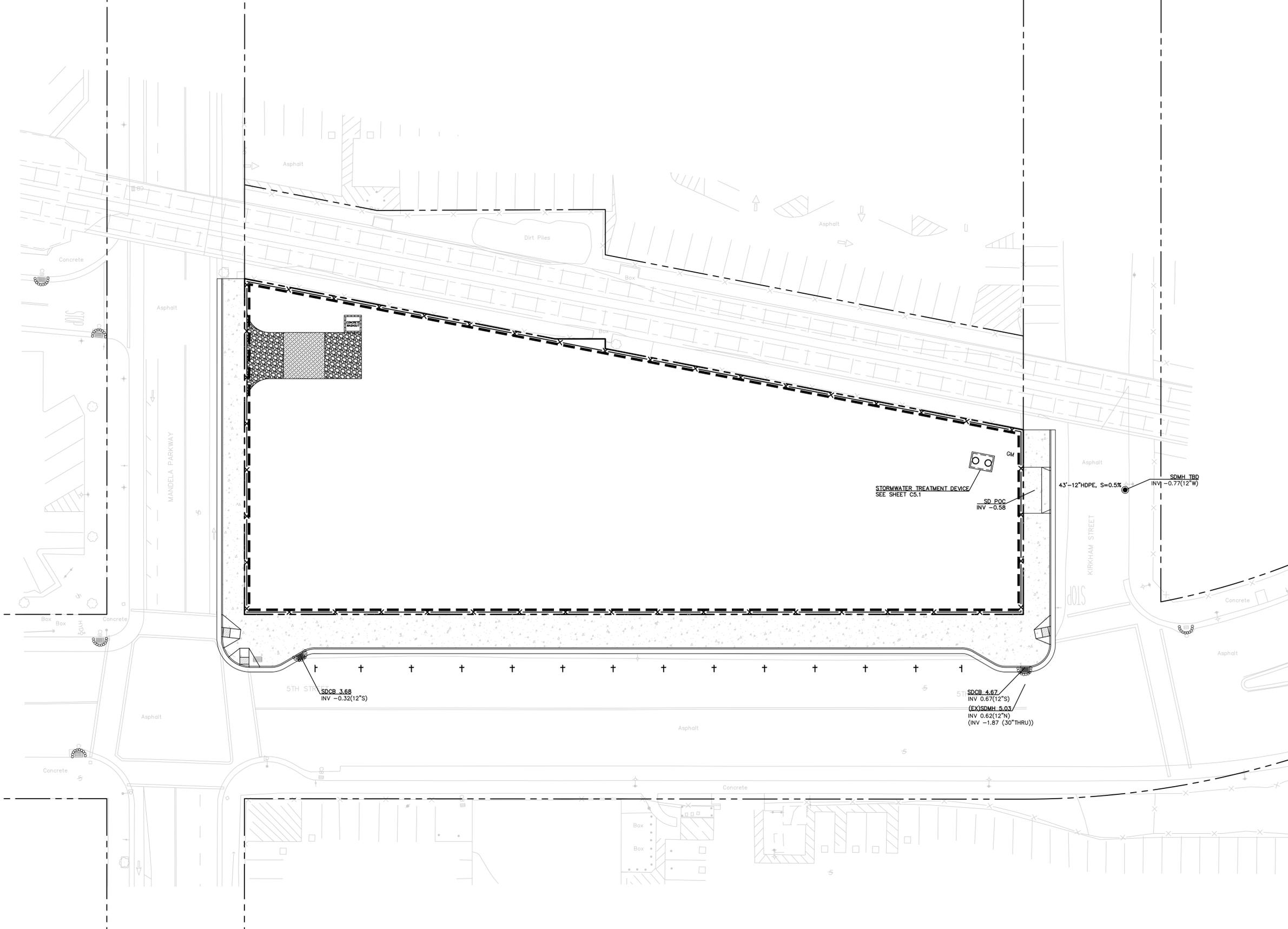
SDMH TBD
INV -0.77(12'W)

SDMH 5.02
RIM 5.02
INV N -2.02
INV E -1.98
INV W -1.98

SDMH 5.03
RIM 5.03
INV W -1.87
INV NW -0.87
INV NE -0.27
INV E -1.87

SDMH 5.44
RIM 5.44
INV N 0.44
INV W 0.28
INV E 1.04



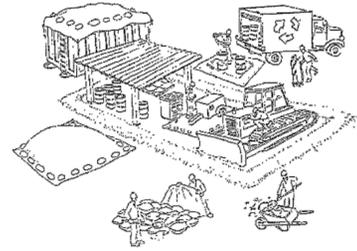


LEGEND

- FIBER ROLL
- TEMPORARY 6' CONSTRUCTION FENCE
- STORM DRAIN INLET PROTECTION
- STABILIZED CONSTRUCTION ENTRANCE/EXIT (APPROXIMATE LOCATION SHOWN)
- ENTRANCE/EXIT TIRE WASH (APPROXIMATE LOCATION SHOWN)
- CONCRETE WASTE MANAGEMENT (APPROXIMATE LOCATION SHOWN)

- ### NOTES
1. THIS SHEET IS INTENDED FOR EROSION CONTROL ONLY.
 2. IT IS THE CONTRACTOR'S RESPONSIBILITY TO IMPLEMENT ALL REQUIREMENTS SET FORTH IN THE STATE WATER RESOURCES CONTROL BOARD (SWRCB) ORDER NO. R2-2009-0009-DWQ, NPDES GENERAL PERMIT NO. CAS000002, STORM WATER DISCHARGES ASSOCIATED WITH CONSTRUCTION AND LAND DISTURBANCE ACTIVITIES, SEPTEMBER 2, 2009, ALSO KNOWN AS THE CONSTRUCTION GENERAL PERMIT (CGP).
 3. IT IS THE CONTRACTOR'S RESPONSIBILITY TO RETAIN A QUALIFIED STORM WATER POLLUTION PREVENTION PLAN PRACTITIONER (QSP) THAT WILL MONITOR THE SITE, IN ACCORDANCE WITH THE CGP.
 4. SEE BEST MANAGEMENT PRACTICES ON SHEET C4.1.
 5. THIS PLAN MAY NOT COVER ALL THE SITUATIONS THAT ARISE DURING CONSTRUCTION DUE TO UNANTICIPATED FIELD CONDITIONS. IN GENERAL, THE CONTRACTOR IS RESPONSIBLE FOR KEEPING ANY SEDIMENT FROM LEAVING THE SITE, FIBER ROLLS, SAND BAGS AND ADDITIONAL SILT FENCES SHALL BE USED BY THE CONTRACTOR ON AN AS NEEDED BASIS TO INHIBIT SILT FROM LEAVING THE SITE AND ENTERING THE STORM DRAIN SYSTEM. ALL EXISTING, TEMPORARY OR PERMANENT CATCH BASINS SHALL USE THE SEDIMENT BARRIERS SHOWN ON THIS PLAN.
 6. PROTECT ALL INLETS WITHIN 150' OF PROJECT SITE.

Pollution Prevention - It's Part of the Plan



Make sure your crews and subs do the job right!

Runoff from streets and other paved areas is a major source of pollution and damage to creeks and the San Francisco Bay. Construction activities can directly affect the health of creeks and the Bay unless contractors and crews plan ahead to keep dirt, debris, and other construction waste away from storm drains and local creeks. Following these guidelines and the project specifications will ensure your compliance with County of Alameda requirements.

Materials storage & spill cleanup

Non-hazardous materials management

- ✔ Sand, dirt, and similar materials must be stored at least 10 feet (3 meters) from catch basins. All construction material must be covered with a tarp and contained with a perimeter control during wet weather or when rain is forecasted or when not actively being used within 14 days.
- ✔ Use (but don't overuse) reclaimed water for dust control as needed.
- ✔ Sweep or vacuum streets and other paved areas daily. Do not wash down streets or work areas with water!
- ✔ Recycle all asphalt, concrete, and aggregate base material from demolition activities. Comply with Alameda County Ordinances for recycling construction materials, wood, gyp board, pipe, etc.
- ✔ Check dumpsters regularly for leaks and to make sure they are not overfilled. Repair or replace leaking dumpsters promptly.
- ✔ Cover all dumpsters with a tarp at the end of every work day or during wet weather.

Hazardous materials management

- ✔ Label all hazardous materials and hazardous wastes (such as pesticides, paints, thinners, solvents, fuel, oil, and antifreeze) in accordance with city, county, state, and federal regulations.
- ✔ Store hazardous materials and wastes in water tight containers, store in appropriate secondary containment, and cover them at the end of every work day or during wet weather or when rain is forecasted.
- ✔ Follow manufacturer's application instructions for hazardous materials and be careful not to use more than necessary. Do not apply chemicals outdoors when rain is forecasted within 24 hours.
- ✔ Be sure to arrange for appropriate disposal of all hazardous wastes.

Spill prevention and control

- ✔ Keep a stockpile of spill cleanup materials (rags, absorbents, etc.) available at the construction site at all times.
- ✔ When spills or leaks occur, contain them immediately and be particularly careful to prevent leaks and spills from reaching the gutter, street, or storm drain. Never wash spilled material into a gutter, street, storm drain, or creek!
- ✔ Dispose of all containment and cleanup materials properly.
- ✔ Report any hazardous materials spills immediately! Dial 911 or Alameda County Public Works Agency dispatch at (510) 670-5500

Construction Entrances and Perimeter

- ✔ Establish and maintain effective perimeter controls and stabilize all construction entrances and exits to sufficiently control erosion and sediment discharges from site and tracking off site.
- ✔ Sweep or vacuum any street tracking immediately and secure sediment source to prevent further tracking.

Vehicle and equipment maintenance & cleaning

- ✔ Inspect vehicles and equipment for leaks frequently. Use drip pans to catch leaks until repairs are made; repair leaks promptly.
- ✔ Fuel and maintain vehicles on site only in a bermed area or over a drip pan that is big enough to prevent runoff.
- ✔ If you must clean vehicles or equipment on site, clean with water only in a bermed area that will not allow rinse water to run into gutters, streets, storm drains, or creeks.
- ✔ Do not clean vehicles or equipment on-site using soaps, solvents, degreasers, steam cleaning equipment, etc.



Earthwork & contaminated soils

- ✔ Keep excavated soil on the site where it will not collect in the street.
- ✔ Transfer to dump trucks should take place on the site, not in the street.
- ✔ Use fiber rolls, silt fences, or other control measures to minimize the flow of silt off the site.
- ✔ Earth moving activities are only allowed during dry weather by permit and as approved by the County Inspector in the Field.
- ✔ Mature vegetation is the best form of erosion control. Minimize disturbance to existing vegetation whenever possible.
- ✔ If you disturb a slope during construction, prevent erosion by securing the soil with erosion control fabric, or seed with fast-growing grasses as soon as possible. Place fiber rolls down-slope until soil is secure.
- ✔ If you suspect contamination (from site history, discoloration, odor, texture, abandoned underground tanks or pipes, or buried debris), call the Engineer for help in determining what should be done, and manage disposal of contaminated soil according to their instructions.



Dewatering operations

- ✔ Effectively manage all run-on, all runoff within the site, and all runoff that discharges from the site. Run-on from off site shall be directed away from all disturbed areas or shall collectively be in compliance.
- ✔ Reuse water for dust control, irrigation, or another on-site purpose to the greatest extent possible.
- ✔ Be sure to notify and obtain approval from the Engineer before discharging water to a street, gutter, or storm drain. Filtration or diversion through a basin, tank, or sediment trap may be required.
- ✔ In areas of known contamination, testing is required prior to reuse or discharge of groundwater. Consult with the Engineer to determine what testing is required and how to interpret results. Contaminated groundwater must be treated or hauled off-site for proper disposal.



Saw cutting

- ✔ Always completely cover or barricade storm drain inlets when saw cutting. Use filter fabric, catch basin inlet filters, or sand/gravel bags to keep slurry out of the storm drain system.
- ✔ Shovel, absorb, or vacuum saw-cut slurry and pick up all waste as soon as you are finished in one location or at the end of each work day (whichever is sooner!).
- ✔ If saw cut slurry enters a catch basin, clean it up immediately.

Paving/asphalt work

- ✔ Always cover storm drain inlets and manholes when paving or applying seal coat, tack coat, slurry seal, or fog seal.
- ✔ Protect gutters, ditches, and drainage courses with sand/gravel bags, or earthen berms.
- ✔ Do not sweep or wash down excess sand from sand sealing into gutters, storm drains, or creeks. Collect sand and return it to the stockpile, or dispose of it as trash.
- ✔ Do not use water to wash down fresh asphalt concrete pavement.



Concrete, grout, and mortar storage & waste disposal

- ✔ Store concrete, grout, and mortar under cover, on pallets, and away from drainage areas. These materials must never reach a storm drain.
- ✔ Wash out concrete equipment/trucks off-site or into contained washout areas that will not allow discharge of wash water onto the underlying soil or onto the surrounding areas.



- ✔ Collect the wash water from washing exposed aggregate concrete and remove it for appropriate disposal off site.

Painting

- ✔ Never rinse paint brushes or materials in a gutter or street!
- ✔ Paint out excess water-based paint before rinsing brushes, rollers, or containers in a sink.
- ✔ Paint out excess oil-based paint before cleaning brushes in thinner.
- ✔ Filter paint thinners and solvents for reuse whenever possible. Dispose of oil-based paint sludge and unusable thinner as hazardous waste.

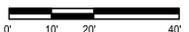


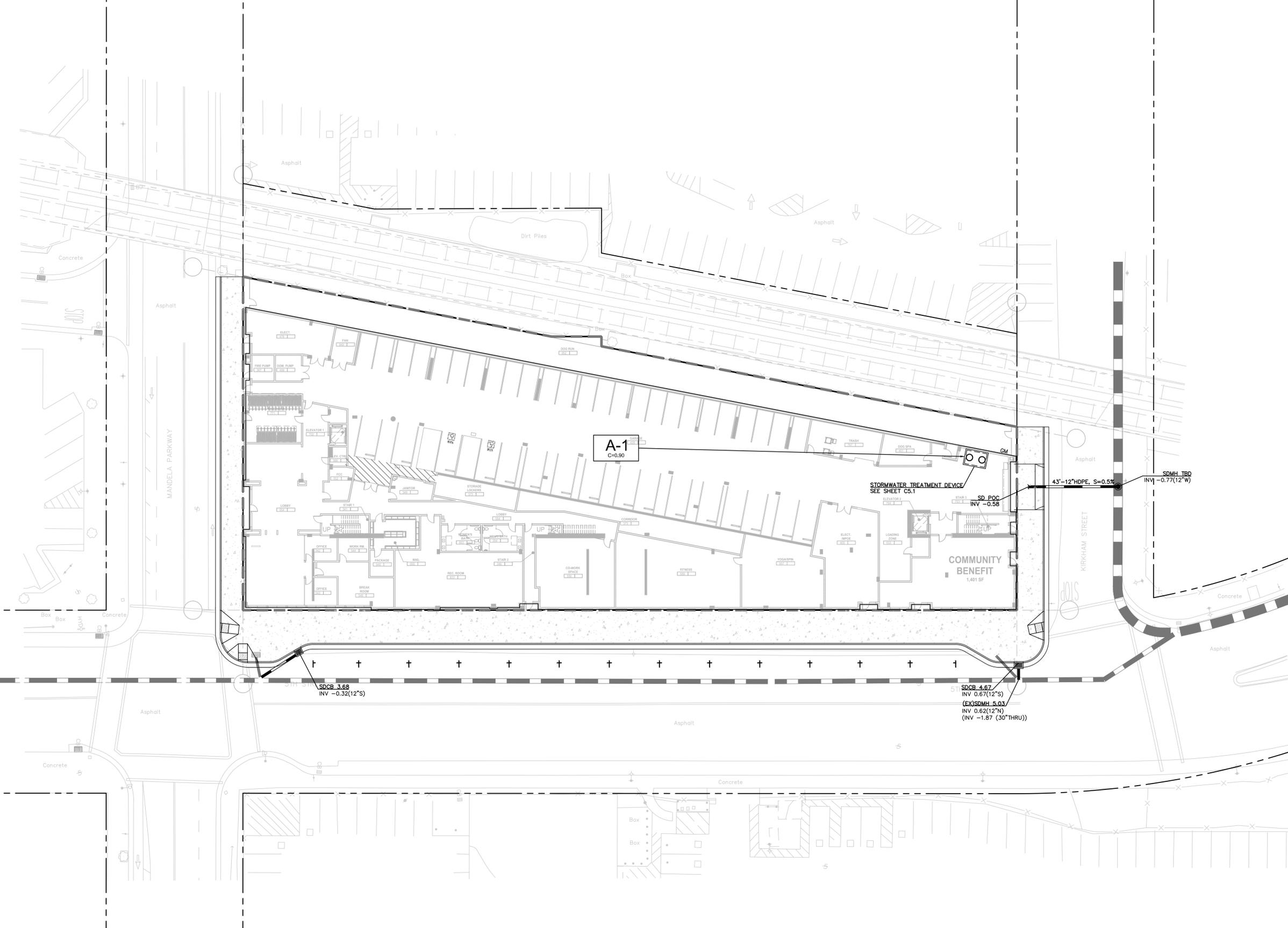
Landscape Materials

- ✔ Contain, cover, and store on pallets all stockpiled landscape materials (mulch, compost, fertilizers, etc.) during wet weather or when rain is forecasted or when not actively being used within 14 days.
- ✔ Discontinue the application of any erodible landscape material within 2 days of forecasted rain and during wet weather.

Storm drain polluters may be liable for fines of \$10,000 or more per day!

For references and more detailed information:
www.cleanwaterprogram.org
www.cabmphandbooks.com





LEGEND

A-X
C=X.X

--- DRAINAGE MANAGEMENT AREA

TCM-X

--- TREATMENT CONTROL MEASURE

NOTES



TREATMENT CONTROL MEASURE SUMMARY (BUILDING A)								
AREAS DRAINAGE	DRAINAGE AREA SIZE (SF)	PERVIOUS SURFACE (SF)	TYPE OF PERVIOUS SURFACE	IMPERVIOUS SURFACE (SF)	TYPE OF IMPERVIOUS SURFACE	NON-LID TREATMENT REQUIRED (CFS) PROVIDED (CFS)		PROPOSED TREATMENT CONTROLS
A-1	38,393	0	Landscape	38,393	Roof	0.160	0.182	BR-1/SDTD-1
	38,393	0		38,393				

FILTER SIZING CALCULATION							
C	I(S)	I(F)	A	Q(M)	Q(T)	FILTER	
SDTD-1	0.9	2.2	0.2	38,393	1.756	Perk Filter 4' Wide Concrete Vault (18" - 7 Cartridges)	

C - COEFFICIENT OF RUNOFF
I(S) - INTENSITY OF STORM (IN/HR)
I(F) - FILTRATION RATE (IN/HR)
A - AREA (SQ. FT)
Q(M) - MAXIMUM FLOW RATE (CFS)
Q(T) - TREATMENT FLOW RATE (CFS)

Washington GULD*

2X #36.00" BOLTED & GASKETED ACCESS COVERS, RISERS & SLAB T&G IMPRESSIONS AS REQUIRED. FIELD Poured CONCRETE COLLAR REQUIRED, BY OTHERS. SEE NOTE 2.

VENTED OUTLET HOOD.

TOP SLAB RISER T&G IMPRESSION, AS REQUIRED.

#24" MAXIMUM. SEE NOTE 3.

BASE.

BASE SECTION.

PERK FILTER™ CARTRIDGES.

CONCRETE FALSE FLOOR.

OUTLET CHAMBER.

CONCRETE DIVIDER WALL.

2X INLET WEIR/BYPASS ASSEMBLY.

INLET GALLERY.

Notes:

- Precast concrete structure shall be manufactured in accordance with ASTM Designation C857 and C858.
- Filter system shall be supplied with traffic rated (H20) bolted & gasketed Ø36" circular access covers with risers as required. Shallow applications may require configurations with (H20) bolted & gasketed square/rectangular access hatches. Field poured concrete collars required, by others.
- Inlet & outlet pipe(s) (Ø 24" maximum) may enter device on all three sides of the inlet & outlet chambers respectively.
- Inlet chamber shall be supplied with a drain-down device designed to remove standing water between storm events.
- For depths less than specified minimums contact Oldcastle® Stormwater Solutions for engineering assistance.

★ Treatment Flow Rates shown conform to Washington State GULD Specifications

Perk Filter™
6' Wide Concrete Vault
Washington State GULD
Four to Eleven Cartridges / Stacks

Oldcastle®
Stormwater Solutions
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Washington GULD*

FLOATABLES WEIR.

PRIMARY BYPASS BETWEEN FLOW THRU TUBES. FLOW THRU TUBES INTO FILTER CHAMBER.

PERFORATED DRAIN-DOWN FEED-THRU. 2X FLOW THRU TUBES FOR ASSEMBLY.

DETAIL A
INLET WEIR/BYPASS ASSEMBLY & DRAIN-DOWN. SCALE: NONE

2X #36.00" BOLTED & GASKETED ACCESS COVERS, RISERS & SLAB T&G IMPRESSIONS AS REQUIRED. FIELD Poured CONCRETE COLLAR REQUIRED, BY OTHERS. SEE NOTE 2.

PERK FILTER™ CARTRIDGE/STACKS.

CARTRIDGE BYPASS PORT.

VENTED OUTLET HOOD.

MINIMUM DEPTH. SEE CHART & NOTE 6.

#24" MAXIMUM. SEE NOTE 3.

CONCRETE FALSE FLOOR.

TREATED OUTLETS.

CONCRETE FALSE FLOOR.

SECTION A-A

75" [8.00"]

DRAIN-DOWN DEVICE. SEE NOTE 4.

#24" MAXIMUM. SEE NOTE 3.

50" [6.00"] TYPICAL WALL THICKNESS.

6" VAULT

TREATMENT FLOW RATES, TOTAL FLOW CAPACITIES & MAXIMUM HEAD LOSS

CARTRIDGE STACK QUANTITY	DIMENSION (ID-FEET)	CARTRIDGE STACK CONFIGURATION							
		12"		12" & 12"		12" & 18"		12" & 18"	
		TREATMENT FLOW RATE (GPM / CFS)	TOTAL FLOW CAPACITY (CFS)	TREATMENT FLOW RATE (GPM / CFS)	TOTAL FLOW CAPACITY (CFS)	TREATMENT FLOW RATE (GPM / CFS)	TOTAL FLOW CAPACITY (CFS)	TREATMENT FLOW RATE (GPM / CFS)	TOTAL FLOW CAPACITY (CFS)
4	7	27.2 / 0.081	5.7	40.8 / 0.091	8.5	54.4 / 0.121	9.7	68.0 / 0.152	13.0
5	7	34.0 / 0.079	5.7	51.0 / 0.114	8.6	68.0 / 0.152	9.7	85.0 / 0.190	13.0
6	9	40.8 / 0.091	5.8	61.2 / 0.136	8.6	81.0 / 0.182	9.8	102.0 / 0.227	13.1
7	9	47.0 / 0.106	5.8	71.4 / 0.159	8.6	95.2 / 0.212	9.9	119.0 / 0.265	13.2
8	9	54.5 / 0.121	5.8	81.6 / 0.182	8.7	108.8 / 0.243	9.9	136.0 / 0.303	13.2
9	11	61.2 / 0.136	5.8	91.8 / 0.205	8.7	122.4 / 0.273	10.0	153.0 / 0.341	13.3
10	11	68.0 / 0.152	5.9	102.0 / 0.227	8.8	136.0 / 0.303	10.0	170.0 / 0.379	13.4
11	11	74.8 / 0.167	5.9	112.2 / 0.250	8.8	148.8 / 0.334	10.1	187.0 / 0.417	13.4
MAXIMUM HEAD LOSS		1.7 FEET		2.3 FEET		2.9 FEET		3.5 FEET	

★ Treatment Flow Rates shown conform to Washington State GULD Specifications.

Perk Filter™
6' Wide Concrete Vault
Washington State GULD
Four to Eleven Cartridges / Stacks

Oldcastle®
Stormwater Solutions
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