PLANNING COMMISSION STAFF REPORT



Mahogany Carwash

September 7, 2022

2410 Mahogany Way/APN: 074-370-024 UP-21-13, AR-21-12



Quick Facts

Applicant: Hardeep Sidhu

Zoning: C-3 (Service/Regional Commercial District)

GP Land Use:

Land Area: 0.81 Acres

Prop. Building Area: 3,628

square feet

Project Description

The applicant is seeking Use Permit, and Design Review approval for a new automated car was at 2410 Mahogany Way. The subject site is 0.81 acres and partially developed with a parking lot and building pad. The site was previously a restaurant use. The building was demolished in 2019. The project scope includes construction of an automated 3,628 sq. ft. car wash, with development of the parking lot to include vacuum stalls. The building will be comprised of painted stucco in, "Mindful Gray" color, "sealskin" trim, brick veneer, and a prefab metal roof. Hours of operation are proposed to be 7 AM to 9 PM, 7 days a week. There will be 2 shifts and 2 employees per shift during business hours.

Requested Approvals

USE PERMIT & DESIGN REVIEW FOR A NEW CARWASH

STAFF RECOMMENDATION: APPROVE

BACKGROUND

Subject Site

The subject site is 0.81 acres in size, and is bounded by Mahogany Way to the north, Auto Center Drive to the West, and Highway 4 to the south. The site was previously developed as a restaurant (KFC) with drive-through and parking lot. The restaurant sustained a fire and was demolished in 2019. The building foundation and parking remain on-site. Surrounding land uses include a commercial center (Lowe's) to the north, restaurants to the east and west, and Highway 4 to the south.



Site History

The site has been previously developed as a restaurant. The restaurant was built in 1978 and functioned as a restaurant (KFC) until it was demolished in 2019 due to a fire which rendered the building unusable. Prior to being demolished, the restaurant was remodeled in 2005 and 2017. The site has not received any other entitlements and has remained vacant since 2019.

Project Timeline

- Project Submitted to City: July 14, 2021
- Project Deemed Complete: January 14, 2022
- Revised Plans with Elective Changes Submitted: July 11, 2022
- Planning Commission Consideration: September 7, 2022



<u>Image 1. Existing Site</u>

Analysis

Overview

The applicant is seeking Use Permit and Design Review approval for a new 3,628 square foot automatic carwash at 2410 Mahogany Way. The business' proposed hours of operation are 7 AM to 9 PM, seven days a week. The applicant proposes two shifts with a maximum of two employees per shift during business hours. Additional project components include site landscaping, vacuum stalls, one dog wash station located by vacuum stalls closest to the building, and a trash enclosure.

General Plan, Zoning, and Land Use

The General Plan designation is designation of the site Western Antioch Commercial Focus Area: Regional Commercial. The zoning of the site is C-3 (Service/Regional Commercial District) which allows for retail and service commercial uses of a regional nature, including those in and adjacent to large centers with one or more full-time department stores. A carwash is allowed on site subject to Use Permit and Design Review approval the Planning Commission.

	Compo	ırison of Adjacent Properties	
Vicinity	GP Land Use	Zoning	Current Use
North	Regional Commercial	C-3 (Service/Regional Commercial District)	Commercial Center
South	N/A	N/A	Freeway
East	Regional Commercial	C-3 (Service/Regional Commercial District)	Restaurant
West	Regional Commercial	C-3 (Service/Regional Commercial District)	Restaurant

Site Plan, Circulation, and Parking

The proposed project includes a 3,628 square foot carwash. In addition to the building, the applicant proposes to improve the site with updated landscaping, parking, and canopy installation covering on-site parking.

Two driveways are located on Mahogany Way to serve the site, one for entering and one for exiting the site. Customers will enter the site through the western driveway, then proceed south on the site into the carwash queue where the cars will be led north, exit the carwash and have the option to exit the carwash via the eastern driveway onto Mahogany Way, or park in the vacuum stalls.

Antioch Municipal Code (AMC) § 9-5.1703.1 establishes an off-street parking requirement of seven (7) on-site parking spaces outside of the washing area for fully automated automobile washing. The applicant is proposing twenty-four (24) off-street parking spaces as part of the project. The project also provides sufficient parking for each employee on the largest shift, The applicant states there will be 2 shifts and 2 employees per shift during business hours.

Automobile washing:	
Fully automated	7 spaces outside washing area
Coin-operated	1 queuing space per bay

<u>Image 2. Parking Requirements pursuant to Section 9-5.1703.1</u>

Architecture

Pursuant to Section 9-5.2607 of the Antioch Municipal Code (AMC), all new development within the City is subject to Design Review approval. The purpose of the Design Review process is to promote the orderly development of the City, encourage high quality site design and planning, protect the stability of land values and investments, and ensure consistency with the Citywide Design Guidelines.

The building design includes of painted stucco in, "Mindful Gray" color, "sealskin" trim, brick veneer, wood paneling, and a prefab metal roof. The proposed building adequately avoids blank facades by breaking up the walls with different materials and altering the depth of the walls, in addition to the awnings. Tower elements, and varying roof heights aide in creating varied rooflines as required by the Citywide Design Guidelines. Furthermore, the proposed trash enclosure is constructed of masonry walls with heavy metal doors as required by the guidelines. In general, the project complied with the Citywide Design Guidelines and staff is satisfied with the proposed design of the project.

Signage and Landscaping

Business signage is not proposed as part of this application. Conceptual sign locations are shown on the elevations in the preliminary plans. An operator has not been selected for the carwash. Once an operator is selected, signage will be reviewed as a separate submittal to the Planning Division.

The conceptual landscaping plan includes landscaping for the project frontage and the internal site. Chinese Pistache are the focal point along the front property line. Additionally, a mix of brush and ground cover including Dwarf Coyote Brush, Purple Trailing Lantana, Dwarf Bottlebrush, Fortnight Lily, and other plantings are proposed for the front. The applicant proposes to continue the same plant pallete of perimeter shrubs, and ground covers for the remainder of the site. The applicant proposes to plant Chinese Pistache, and Western Redbud as the larger plantings for the rear of the site. The proposed plant pallet will offer a variety of contrasting colors.

Environmental Analysis

This proposed project is Categorically Exempt from the California Environmental Quality Act (CEQA) under Article 19, Section 15332 Infill Development. Class 32 consists of projects characterized as in-fill development meeting the following conditions:

- (a) The project is consistent with the applicable general plan designation and all applicable general plan policies as well as with applicable zoning designation and regulations.
- (b) The proposed development occurs within city limits on a project site of no more than five acres substantially surrounded by urban uses.
- (c) The project site has no value, as habitat for endangered, rare or threatened species.
- (d) Approval of the project would not result in any significant effects relating to traffic, noise, air quality, or water quality.
- (e) The site can be adequately served by all required utilities and public services.

Development Engineering Review

The Development Engineering Division reviewed the proposed plans for compliance with Code and local requirements. Conditions of Approval were provided to staff and are included as Exhibit A to the Resolution. Proposed Conditions include potential trash enclosure relocation and retaining wall alignment.

- 46. **Trash Enclosure.** The applicant shall work with the Engineering Services Division to relocate the trash enclosure to the southwest corner of the project site.
- 48. **Retaining Wall.** The alignment of the retaining wall shall be located outside of Caltrans right of way and any restricted easement for the Highway 4 embankment along the southern property line. If the proposed wall is determined to be in a restricted embankment, the applicant shall obtain approval for the wall alignment and design from Caltrans Design, District 4 before building the retaining wall.

Contra Costa Fire Department Review

The Contra Costa Fire Department reviewed the proposed plans for compliance with Code and local requirements. Conditions of Approval were provided to staff and are included as Attachment E.

ATTACHMENTS

- **A.** Resolution approving Use Permit and Design Review with Exhibit A Conditions of Approval
- **B.** Project Description
- C. Project Application
- **D.** Project Plans
- E. Contra Costa Fire Comments
- F. Site Photos

ATTACHMENT A RESOLUTION APPROVING A USE PERMIT AND DESIGN REVIEW FOR AN AUTOMATED CARWASH

(UP-21-13, AR-21-12)
WITH EXHIBIT A CONDITIONS OF APPROVAL
(SEPARATE PAGE)

PLANNING COMMISSION RESOLUTION # 2022-xx

A RESOLUTION OF THE PLANNING COMMISSION OF THE CITY OF ANTIOCH APPROVING A USE PERMIT AND DESIGN REVIEW FOR A NEW AUTOMATED CARWASH AT 2410 MAHOGANY WAY, (APN: 074-370-024), (UP-21-13, AR-21-12)

WHEREAS, the City of Antioch ("City") received an application from Hardeep Sidhu for approval of a Use Permit, and Design Review for a new automated car wash located at 2410 Mahogany Way (APN: 074-370-024) on July 14, 2021; and

WHEREAS, the application was deemed complete on January 14, 2022; and

WHEREAS, the site zoning is C-3 (Service/Regional Commercial District) which allows for a carwash use subject to approval and issuance of a Use Permit through the Planning Commission; and

WHEREAS, the proposed project is Categorically Exempt from the California Environmental Quality Act (CEQA) under Article 19, Section 15332 Infill Development. Class 32 consists of projects characterized as in-fill development; and

WHEREAS, a public hearing notice was published in the East County Times and posted in three public places pursuant to California Government Code Section 65090 on August 26, 2022 for the public hearing held on September 7, 2022.

WHEREAS, the Planning Commission held a public hearing and considered all public comments received, the presentation by City staff, the staff report, and all other pertinent documents regarding the proposed request.

NOW, THEREFORE, BE IT RESOLVED AND DETERMINED, that the Planning Commission hereby make the following findings for approval of the requested Use Permit pursuant to Section 9-5.2703 "Required Findings" (B) (1) of the Antioch Municipal Code:

a. The granting of such use permit will not be detrimental to the public health or welfare or injurious to the property or improvements in such zone or vicinity.

Finding: The project has been designed to comply with the City of Antioch Municipal Code requirements. The new automated carwash use adheres to the standards outlined the in the City of Antioch Zoning Ordinance and will not be detrimental to the public health or welfare or injurious to the property or improvements.

b. The use applied at the location indicated is properly one for which a use permit is authorized.

Finding: The property is designated Western Antioch Commercial Focus Area: Regional Commercial; the automated carwash use is appropriate for the location. It is located in the C-3 Service/Regional Commercial District commercial with Auto Center Drive to the west serving as the major roadway to the site. Pursuant to Section 9-5.3803, of the Antioch Zoning Ordinance, a use permit through the Planning Commission is required for new a carwash use.

c. The site for the proposed use is adequate in size and shape to accommodate such use, and all yards, fences, parking, loading, landscaping, and other features required.

Finding: The project has been designed to adequately provide space for the use and related improvements. The site was previously developed as a restaurant and is surrounded by commercial uses. The proposed improvements will not create adverse impacts for other uses, and traffic in the neighborhood.

d. That the site abuts streets and highways adequate in width and pavement type to carry the kind of traffic generated by the proposed use.

Finding: The project site is located on a designated "local" street that is adequate in width and pavement type to accommodate trip generation for a carwash use. Potential impacts from the carwash queue could be mitigated onsite without impacting traffic flow on Mahogany Way.

e. The granting of such use permit will not adversely affect the comprehensive General Plan because the proposed uses and design are consistent with the General Plan.

Finding: The General Plan designation for project site is Western Antioch Commercial Focus Area: Regional Commercial which allows for a carwash use. The proposed use does not adversely affect the General Plan. Additionally, scope specific Conditions of Approval have been prepared to ensure the project is consistent with City standards.

NOW THEREFORE BE IT FURTHER RESOLVED that the Planning Commission hereby adopts the Use Permit, and Design Review application (UP-21-13, AR-21-12) for a new automated carwash located at 2410 Mahogany Way (APN: 074-370-024) subject to Exhibit A Conditions of Approval.

I HEREBY CERTIFY that the foregoing resolution was adopted by the Planning Commission of the City of Antioch at a regular meeting thereof held on the 7th day of September 2022, by the following vote:

	FORREST EBBS Secretary to the Planning Commission
ABSTAIN:	
ABSENT:	
NOES:	
AYES:	

EXHIBIT A CONDITIONS OF APPROVAL (SEPARATE PAGE)



EXHIBIT A: CONDITIONS OF APPROVAL "MAHOGANY CARWASH"

	General Conditions	Regulation Source	Timing/ Implementation	Enforcement/ Monitoring	Verification (date and Signature)
1.	Project Approval . This Use Permit and Design Review approval is for 2410 Mahogany Way (APN: 074-370-024), as substantially shown and described on the project plans, except as required to be modified by conditions herein. Plans date received July 11, 2022, as presented to the Planning Commission on September 7, 2022 ("Approval Date."). For any condition herein that requires preparation of a Final Plan where the project applicant has submitted a conceptual plan, the project applicant shall submit final plan(s) in substantial conformance with the conceptual plan, but incorporate the modifications required bythe conditions herein for approval by the City.		On-Going	Planning Department	
2.	Project Approval Expiration. This Use Permit and Design Review approval expires on September 7, 2024 (two years from the date on which this approval becomes effective) or at an alternate time specified as a condition of approval, unless a building permit has been issued and construction diligently pursued. The approval may be renewed by the Community Development Director for a period up to an additional two (2) years, provided that, at least ten (10) days before expiration of one (1) year from the date when the approval becomes effective, an application for renewal of the approval is filed with the Community Development Department. The Community Development Director may grant a renewal of an approval where there is no change in the original application, or there is no request to change any condition of approval for up to two additional years from the expiration date.		On-Going	Planning Department	



3.	City Fees. The applicant shall pay any and all City and other related fees applicable to the property, as may be modified by conditions herein. Fees shall be based on the current fee structure in effect at the time the relevant permits are secured and shall be paid before issuance of said permit or before any City Council final action approval. Notice shall be taken specifically of Plan Check, Engineering, Fire and Inspection Fees. The project applicant shall also reimburse the City for direct costs of planning; building and engineering plan check and inspection, as mutually agreed between the City and applicant. Discretionary or ministerial permits/approvals will not be considered if the developer is not current on fees, balances, and reimbursement that are outstanding and owed to the City.	City of Antioch	On-Going	Community Development Department
4.	Pass-Through Fees. The developer shall pay all pass-through fees. Fees include but are not limited to: East Contra Costa Regional Fee and Financing Authority (ECCRFFA) Fee in effect at the time of building permit issuance. Contra Costa County Fire Protection District Fire Development Fee in place at the time of building permit issuance. Contra Costa County Map Maintenance Fee in affect at the time of recordation of the final map(s). Contra Costa County Flood Control District Drainage Area fee. School Impact Fees. Delta Diablo Sanitation Sewer Fees. Contra Costa Water District Fees.	City of Antioch	On-Going	Community Development Department
5.	Appeals. Pursuant to Section 9-5.2509 of the Antioch Municipal Code, any decision made by the Planning Commission which would otherwise constitute final approval or denial may be appealed to the City Council. Such appeal shall be in writing and shall be filed with the City Clerk within five (5) working days after the decision. All appeals to the City Council from the Planning Commission shall be accompanied by a filing fee established by a resolution of the City Clerk.	City of Antioch	Within 5 Days of Planning Commission Action	Planning Department



6.	Requirement for Building Permit. Approval granted by the Planning Commission does not constitute a building permit or authorization to begin any construction or demolish an existing structure. An appropriate permit issued by the Community Development Department must be obtained before constructing, enlarging, moving, converting, or demolishing any building or structure within the City.	City of Antioch	On-Going	Building Department	
7.	Modifications to Approved Plans. The project shall be constructed as approved and with any additional changes required pursuant to the Zoning Administrator or Planning Commission Conditions of Approval. Planning staff may approve minor modifications in the project design, but not the permitted land uses. A change requiring discretionary approvaland any other changes deemed appropriate by the Planning staff shall require further Planning Commission approval through the discretionary review process.	City of Antioch	On-Going	Planning Department	
8.	Compliance Matrix. With the submittal of all grading plans, improvement plans, and building permit plans, the applicant shall submit to the Community Development Department a Conditions and Mitigation Measures Compliance Matrix that lists: each Condition of Approval and Mitigation Measure, the City division responsible for review, and how the applicant meets the Condition of Approval or Mitigation Measure. The applicant shall update the compliance matrix and provide it with each submittal.	City of Antioch	On-Going	Community Development Department	



9.	Hold Harmless Agreement/Indemnification. The applicant (including any agent thereof) shall defend, indemnify, and hold harmless, the City of Antioch and its agents, officers and employees, from any claim, action, or proceeding against the City or its agents, officers or employees to attack, set aside, void, or annul the City's approval concerning this application. The City will promptly notify the applicant of any such claim action or proceeding and cooperate fully in the defense.	City of Antioch	On-Going	Planning Department	
	Public Works Standard Conditions	Regulation Source	Timing/ Implementation	Enforcement/ Monitoring	Verification (date and Signature)
10.	City Standards . All proposed improvements shall be constructed to City standards or as otherwise approved by the City Engineer in writing.	City of Antioch	On-Going	Public Works Department	
11.	Utility Construction. Public utilities shall be constructed to their ultimate size and configuration with the road construction in which they are to be located.	City of Antioch	On-Going	Public Works Department	
12.	Sewer . All sewage shall flow by gravity to the intersecting street sewer main.	City of Antioch	On-Going	Public Works Department	
13.	Storm Drain Design/Construction. The developer shall design and construct storm drain facilities to adequately collect and convey stormwater entering or originating within the development to the nearest adequate man-made drainage facility or natural watercourse, without diversion of the watershed. a. All public utilities, including storm drain pipes and ditches,	City of Antioch	At the Time of Building Permit Submittal	Public Works Department	



	shall be installed in streets avoiding between lot locations. All proposed drainage facilities, including open ditches, shall be constructed of Portland Concrete Cement or as approved by the City Engineer. b. Storm drain system shall flow to the Detention Basins shown within the study and on the tentative map with no diversion				
	out of existing watershed(s). c. The detention basin and associated improvements shall be constructed and operational prior to issuance of first residential building permit.				
	d. Detention basins shall be designed to the satisfaction of the City Engineer with an emergency spillway to provide controlled overflow relief for large storm events. An Operations and Maintenance Manual (for each basin) shall be submitted for basins prior to the issuance of the first building permit.				
14.	Water Pressure. The developer shall provide adequate water pressure and volume to serve this development. This will include a minimum residual pressure of 20 psi with all losses included at the highest point of water service and a minimum static pressure of 50 psi or as approved by the City Engineer. See Fire Requirements for additional water flow conditions.	City of Antioch	On-Going	Public Works Department	
15.	Requirement for Looped System. Water systems shall be designed as a looped distribution system, if not already connecting as a looped system, developer shall be responsible for installing any water mains off site to create a looped system at no cost to the City.	City of Antioch	On-Going	Public Works Department	



16.	Retaining Walls	City of Antioch	On-Going	Public Works Department	
	 Public Right of Way. Retaining walls shall not be constructed in City right-of-way or other City maintained parcels unless otherwise approved by the City Engineer. 				
	2. Materials. All retaining walls shall be of concrete masonry unit construction.				
	3. Height . All retaining walls shall be reduced in height to the maximum extent practicable and the walls shall meet the height requirements in the front yard setback and sight distance triangles as required by the City Engineer.				
	Conservation/NPDES	Regulation Source	Timing/ Implementation	Enforcement/ Monitoring	Verification (date and Signature)
17.	C.3 Compliance . Per State Regulations, all impervious surfaces including off-site roadways to be constructed as part of the project are subject to C.3 requirements.	State of California	On-Going	Public Works Department	
18.	NPDES. The project shall comply with all Federal, State, and City regulations for the National Pollution Discharge Elimination System (NPDES) (AMC§6-9). (Note: Per State Regulations, NPDES Requirements are those in affect at the time of the Final Discretional Approval.)	Federal Government	At the Time of Building Permit Submittal	Public Works	
	Under NPDES regulations, the project is subject to provision C.3: "New development and redevelopment regulations for storm water treatment." a. Requirements. Provision C.3 requires that the project				



include storm water treatment and source control measures, as well run-off flow controls so that post-project runoff. b. Storm Water Control Plan. C.3 regulations require the submittal of a Storm Water Control Plan (SWCP) that demonstrate plan compliance. The SWCP shall be submitted concurrently with site improvement plans. c. Operation and Maintenance Plan. For the treatment and flow-controls identified in the approved SWCP, a separate Operation and Maintenance Plan (O&M) shall be submitted to the Building Department at the time of permit submittal. d. CCRs. Both the approved SWCP and O&M plans shall be included in the project CC&Rs. Prior to building permit final and issuance of a Certificate of Occupancy, the developer shall execute any agreements identified in the Storm Water Control Plan that pertain to the transfer of ownership and/or long-term maintenance of storm water treatment or hydrograph modification BMPs. Already stated in COAs below, 5.c and 5.h.w.				
 NPDES Plan Submittal Requirements. The following requirements of the federally mandated NPDES program (National Pollutant Discharge Elimination System) shall be complied with as appropriate, or as required by the City Engineer: a. Application. Prior to issuance of permits for building, site improvements, or landscaping, the developer shall submit a permit application consistent with the developer's approved Storm Water Control Plan, and include drawings and specifications necessary for construction of site design features, measures to limit directly connected impervious area, pervious pavements, self-retaining areas, treatment BMPs, permanent source control BMPs, and other features 	Federal Government	At the Time of Building Permit Submittal	Public Works	



that control storm water flow and potential storm water pollutants.	
b. Certified Professional. The Storm Water Control Plan shall be certified by a registered civil engineer, and by a registered architect or landscape architect as applicable. Professionals certifying the Storm Water Control Plan shall be registered in the State of California and submit verification of training, on design of treatment measures for water quality, not more than three years prior to the signature date by an organization with storm water treatment measure design expertise (e.g., a university, American Society of Civil Engineers, American Society of Landscape Architects, American Public Works Association, or the California Water Environment Association), and verify understanding of groundwater protection principles applicable to the project site (see Provision C.3.i of Regional Water Quality Control Board Order R2 2003 0022).	
C. Final Operation & Maintenance Plan. Prior to building permit final and issuance of a Certificate of Occupancy, the developer shall submit, for review and approval by the City, a final Storm Water BMP Operation and Maintenance Plan in accordance with City of Antioch guidelines. This O&M plan shall incorporate City comments on the draft O&M plan and any revisions resulting from changes made during construction. The O&M plan shall be incorporated into the CC&Rs for the Project.	
d. Long Term Management. Prior to building permit final and issuance of a Certificate of Occupancy, the developer shall execute and record any agreements identified in the Storm Water Control Plan which pertain to the transfer of ownership and/or long-term maintenance of storm water treatment or	



hydrograph modification BMPs. e. Design Details. i. Prevent site drainage from draining across sidewalks and driveways in a concentrated manner. ii. Install on all catch basins "No Dumping, Drains to River" decal buttons. f. Hydrology Calculations. Collect and convey all storm water entering, and/or originating from, the site to an adequate downstream drainage facility without diversion of the watershed. Submit hydrologic and hydraulic calculations with the Improvement Plans to Engineering Services for review and approval. g. SWPP. Submit a copy of the Storm Water Pollution Prevention Plan (SWPPP) for review to the Engineering Department prior to issuance of a building and/or grading permit. The general contractor and all subcontractors and suppliers of materials and equipment shall implement these BMP's. Construction site cleanup and control of construction debris shall also be addressed in this program. Failure to comply with the approved construction BMP may result in the issuance of correction notices, citations, or a project stop work order. h. BMP. Install appropriate clean water devices at all private storm drain locations immediately prior to entering the public storm drain system. Implement Best Management Practices (BMP's) at all times. **Erosion Control.** Include erosion control/storm water quality measures in the final grading plan that specifically address



measures to prevent soil, dirt, and debris from entering the storm drain system. Such measures may include, but are not limited to, hydro seeding, gravel bags and siltation fences and are subject to review and approval of the City Engineer. If no grading plan is required, necessary erosion control/storm water quality measures shall be shown on the site plan submitted for an on-site permit, subject to review and approval of the City Engineer. The developer shall be responsible for ensuring that all contractors and subcontractors are aware of and implement such measures.

j. On-Going Maintenance.

- i. Sweep or vacuum the parking lot(s) a minimum of once a month and prevent the accumulation of litter and debris on the site. Corners and hard to reach areas shall be swept manually.
- ii. If sidewalks are pressure washed, debris shall be trapped and collected to prevent entry into the storm drain system. No cleaning agent may be discharged into the storm drain. If any cleaning agent or degreaser is used, wash water shall be collected and discharged to the sanitary sewer, subject to the approval of the sanitary sewer District.
- iii. Ensure that the area surrounding the project such as the streets stay free and clear of construction debris such as silt, dirt, dust, and tracked mud coming in from or in any way related to project construction. Areas that are exposed for extended periods shall be watered regularly to reduce wind erosion. Paved areas and access roads shall be swept on a regular basis. All trucks shall be covered.
- iv. Clean all on-site storm drain facilities a minimum of twice a



	year, once immediately prior to October 15 and once in January. Additional cleaning may be required if found necessary by City Inspectors and/or City Engineer. Additional information regarding the project SWCP is necessary and modifications to the SWCP shown on the proposed Vesting Tentative Map may be required in order to comply with C.3 regulations.				
	Fire Standards	Regulation Source	Timing/ Implementation	Enforcement/ <u>Monitoring</u>	Verification (date and Signature)
20.	The applicant shall comply with the Contra Costa County Fire Protection District in the letter dated January 28, 2022.	Contra Costa Fire Protection District	On-Going	Contra Costa Fire Protection District	
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	Building Permit Submittal	Regulation Source	Timing/ Implementation	Enforcement/ <u>Monitoring</u>	Verification (date and Signature)
21.	Requirement for Phasing Plan. The project shall be built continuously in one phase. If the project will become a phased project, then the developer shall provide a phasing plan to the Community Development Department.	City of Antioch	_	<u>Monitoring</u>	(date and



23.	Water Efficient Landscape Ordinance. Landscaping for the project shall be designed to comply with the applicable requirements of City of Antioch Ordinance No. 2162-C-S The State Model Water Efficient Landscape Ordinance (MWELO). The applicant shall demonstrate compliance with the applicable requirements of the MWELO in the landscape and irrigation plans submitted to the City.	City of Antioch	At the time of Building Permit Submittal	Community Development Department	
24.	Common Area Landscaping. Landscaping on all slopes, medians, C.3 basins and open space areas shall be approved by the City Engineer and shall be installed at the applicant's expense.	City of Antioch	At the time of Building Permit Submittal	Public Works Department	
25.	Property Drainage. The houses shall contain rain gutters and downspouts that direct water away from the foundation as approved by the City Engineer.	City of Antioch	At the Time of Building Permit Submittal	Public Works Department	
26.	Utility Location on Private Property . All improvements for each lot (water meters, sewer cleanouts, etc.) shall be contained outside of the driveway and within the lot and the projection of its sidelines or as approved by the City Engineer.	City of Antioch	At the Time of Building Permit Submittal	Public Works Department	



	Grading Improvements	Regulation Source	Timing/ Implementation	Enforcement/ Monitoring	Verification (date and Signature)
27.	Requirement for Grading Permit. A grading permit shall be required prior to commencement of any grading operations. The permit shall be obtained through the City's Building Department subject to review and approval by the City Engineer. The submitted plans shall incorporate any modifications required by the Conditions of Approval.	City of Antioch	At the time of Building Permit Submittal	Public Works	
28.	Soils. Prior to the approval of the grading plan(s), the City Engineer shall determine if a soils or structural engineer are required to review the building permit plan set submitted for this project. If deemed necessary by the City Engineer, field inspections by such professionals will be required to verify compliance with the approved plans. Costs for these consulting services shall be incurred by the developer.	City of Antioch	At the time of Building Permit Submittal	Public Works	
29.	Off-Site Grading. All off-site grading is subject to the coordination and approval of the affected property owners and the City Engineer. The developer shall submit written authorization to "access, enter, and/or grade" adjacent properties prior to issuance of permit and performing any work.	City of Antioch	At the time of Building Permit Submittal	Public Works	
30.	Grading Easements. Any sale of a portion (or portions) of this project to multiple developers shall include the necessary agreement and/or grading easements to assure that project-wide grading conforms to the approved map and conditions of approval.	City of Antioch	At the time of Building Permit Submittal	Public Works	



	At the Time of Building Permit Issuance	Regulation Source	Timing/ Implementation	Enforcement/ Monitoring	Verification (date and Signature)
31.	Demolition Permit . Site demolition shall not occur until construction permits are issued for the development project. All demolition shall be in accordance with permits issued by the City and Bay Area Air Quality Management District (BAAQMD).	Antioch	At the time of Building Permit Issuance	Community Development Department	
32.	Encroachment Permit. The applicant shall obtain an encroachment permit from the Engineering Division before commencing any construction activities within any public right-of-way or easement.	City of Antioch	At the time of Building Permit Issuance	Community Development Department	



	At the Time of Construction	Regulation Source	Timing/ Implementation	Enforcement/ Monitoring	Verification (date and Signature)
33.	Collection of Construction Debris. Gather all construction debris on a regular basis and place them in a Waste Management dumpster or other container that is emptied or removed on a weekly basis consistent with the Construction and Demolition Debris Ordinance. When appropriate, use tarps on the ground to collect fallen debris or splatters that could contribute to stormwater pollution.	City of Antioch	On-Going	Building Department	
34.	Construction Hours. Construction activity shall be as outlined in in the Antioch Municipal Code. Construction activity is limited to 8:00 AM to 5:00 PM Monday-Friday or as approved in writing by the City Manager. Requests for alternative construction hours shall be submitted in writing to the City Engineer. days/times restricted to the hours of 8:00 a.m. to 6:00 p.m.	City of Antioch	On-Going	Building Department/ Public Works Department	
35.	Demolition, Debris, Recycling. The project shall be in compliance with and supply all the necessary documentation for Antioch Municipal Code § 6-3.2: Construction and Demolition Debris Recycling.	City of Antioch	On-Going	Building Department/ Public Works Department	
36.	Filter Materials at Storm Drain Inlet. Install filter materials (such as sandbags, filter fabric, etc.) at the storm drain inlet nearest the downstream side of the project site prior to: a) start of the rainy season (October 1); b) site dewatering activities; c) street washing activities; d) saw cutting asphalt or concrete; and e) order to retain any debris or dirt flowing into the City storm drain system. Filter materials shall be maintained and/or replaced as	City of Antioch	On-Going	Building Department	



	necessary to ensure effectiveness and prevent street flooding. Dispose of filter particles in the trash.				
37.	Archeological Remains. In the event subsurface archeological remains are discovered during any construction or preconstruction activities on the site, all land alteration work within 100 feet of the find shall be halted, the Community Development Department notified, and a professional archeologist, certified by the Society of California Archeology and/or the Society of Professional Archeology, shall be notified. Site work in this area shall not occur until the archeologist has hadan opportunity to evaluate the significance of the find and to outline appropriate mitigation measures, if deemed necessary. If prehistoric archeological deposits are discovered during development of the site, local Native American organizations shall be consulted and involved in making resource management decisions.	City of Antioch	On-Going	Community Development Department	
38.	Erosion Control Measures. The grading operation shall take place at a time, and in a manner, so as not to allow erosion and sedimentation. The slopes shall be landscaped and reseeded as soon as possible after the grading operation ceases. Erosion measures shall be implemented during all construction phases in accordance with an approved erosion and sedimentation control plan.	City of Antioch	On-Going	Building Department/ Public Works Department	
39.	Dust Control. Standard dust control methods and designs shall be used to stabilize the dust generated by construction activities. The developer shall post dust control signage with a contact number of the developer, City staff, and the air quality control board.	City of Antioch	On-Going	Building Department/ Public Works Department	
40.	Debris Removal. The site shall be kept clean of all debris (boxes, junk, garbage, etc.) at all times.	City of Antioch	On-Going	Building Department/ Public Works Department	



	Prior to Issuance of Occupancy Permit	Regulation Source	<u>Timing/</u> <u>Implementation</u>	Enforcement/ Monitoring	Verification (date and Signature)
41.	Planning Inspection . Planning staff shall conduct a site visit to review exterior building elevations for architectural consistency with the approved plans and landscape installation (if required). All exterior finishing details including window trim, paint, gutters, downspouts, decking, guardrails, and driveway installation shall be in place prior to scheduling the final inspection.	City of Antioch	Prior to Occupancy Permit	Planning Department	
42.	Debris Removal. All mud, dirt or construction debris carried off the construction site and shall be removed prior to scheduling the final Planning inspection. No materials shall be discharged onto a sidewalk, street, gutter, storm drain or creek.	City of Antioch	Prior to Occupancy Permit	Building Department	
43.	Fire Prevention . A final Fire inspection shall occur to inspect all fire prevention systems constructed as part of the project. Inspections shall occur prior to final occupancy permit issuance.	Contra Costa County Fire District	Prior to Occupancy Permit	Fire Department	
44.	Damage to Street Improvements. Any damage to street improvements now existing or done during construction on or adjacent to the subject property, shall be repaired to the satisfaction of the City Engineer at the full expense of the applicant. This shall include sidewalk repair, slurry seal, street reconstruction or others, as may be required by the City Engineer.	City of Antioch	Prior to Occupancy Permit	Building Department	
45.	Right-of-Way Construction Standards . All improvements within the public right-of-way, including curb, gutter, sidewalks, driveways, paving and utilities, shall be constructed in accordance with approved standards and/or plans and shall comply with the standard plans and specification of the City Engineer.	City of Antioch	Prior to Occupancy Permit	Public Works	



	Project Specific Conditions	Regulation Source	<u>Timing/</u> <u>Implementation</u>	Enforcement/ Monitoring	Verification (date and Signature)
46.	Trash Enclosure. The applicant shall work with the Engineering Services Division to relocate the trash enclosure to the southwest corner of the project site.	City of Antioch	On-Going	Public Works	
47.	Hours of Operation. Hours of operation shall be 7 AM – 9 PM, seven (7) days a week. Any request to modify the hours of operation shall be submitted for to the Community Development Department for review by the Community Development Director.		On-Going	Planning Division	
48.	Retaining Wall. The alignment of the retaining wall shall be located outside of Caltrans right of way and any restricted easement for the Highway 4 embankment along the southern property line. If the proposed wall is determined to be in a restricted embankment, the applicant shall obtain approval for the wall alignment and design from Caltrans Design, District 4 before building the retaining wall.		On-Going	Public Works	
49.	Overnight Parking Prohibited. Overnight vehicle parking is prohibited on-site.	City of Antioch	On-Going	Community Development Department	
50.	Storage Prohibited. Outdoor storage of materials, and equipment shall not be allowed	City of Antioch	On-Going	Community Development Department	
51.	Idle Free Signage. Consistent with the City's adopted 2010 Climate Action Plan, the applicant shall install at least one "Idle Free" sign encouraging drivers to refrain from idling in their vehicle, reducing air pollution and greenhouse gas emissions. The sign shall be placed in an area with high visibility where drivers are queued to access the drive through or pick up area. The sign location shall be shown on the construction plans at the time of building permit submittal for review and approval by Planning staff. The sign shall be 12"x18" and satisfy City requirements for no	City of Antioch	At the Time of Building Permit Submittal	Community Development Department	



parking signage, traffic sign mounting, and signage in the right of		
way. The applicant shall use the Idle Free Bay Area website		
https://idlefreebayarea.org/resources/ as a resource to view a		
sample bilingual Idle Free sign. The applicant may use this		
template when designing and printing signage.		

ATTACHMENT B PROJECT DESCRIPTION (SEPARATE PAGE)

CVEAS, INC

LAND SURVEYORS * CIVIL ENGINEERS

ARCHITECTS

2511 Logan Street Selma, CA 93662 Phone: (559) 891-8811 Fax: (559) 891-8815 info@cveas.com www.cveas.com

September 8, 2021

Community Development Department Planning Division 200 H St. PO Box 5007 Antioch, CA 94531

Project Location 2410 Mahogany Way Antioch, CA 94509

APN: 074-370-024

PROJECT DESCRIPTION:

The construction of a new Carwash on a 0.81AC lot is being proposed at 2410 Mahogany way in the city of Antioch.

Hours of operations will be seven days a week from 7AM to 9PM. There will be 2 shifts and 2 employees per shift during business hours.

Structure will be approximately 3,628 square feet and 13' feet to top of plate and 30' to top of tower. The parking lot will consist of 23 standard parking and 1 accessible parking stalls totaling 24 parking stalls.

Materials to use will be painted stucco, mindful gray from Sherwin Williams for building walls, Sealskin color for trims also from Sherwin Williams. The building will also have brick veneer detail names Castle Creek from Brick it company. Roof material will be a metal prefab to be determined by owner at a later time.

New landscaping will be installed in the areas created by the new parking layout. The new facility meets all set back requirements from property lines and streets. All curb ramps, driveways, sidewalks, curb and gutter are per City of Antioch standards.

Any further questions feel free to reach out to me for clarification.

Sincerely, Hardeep Sidhu

Ham

ATTACHMENT C PROJECT APPLICATION (SEPARATE PAGE)

CITY OF ANTIOCH DEVELOPMENT APPLICATION



Site Location	2410 Manogany Way, Antioch, CA 94509
Assessor's Parcel No. (s)	074-370-024
Total Acreage	081 AC
Construction of Request	of New 3,628 S.F. Car wash.

PROPERTY OWNE	R OF RECORD
Name	HARDEEP SIDHU
Company Name	707 Developin6
	6 W Nielsen Ave 0, CA 93706
Phone #	559-217 5986
Email	DEEP @ JFSINCO US
Signature	them

APPLICANT	
Name	Same of owner
Company Na	ame
Address	
Phone #	
Email	
Signature	

CITY OF ANTIOCH DEVELOPMENT APPLICATION



AGENT/DESIGNE	
Name	Brenda Ramirez
Company Name	CVEAS, INC
Address 251	1Logan St. na, CA 93662
Gelr	na, CA 93662
Phone #	559.891 8811
Email	bramirez@cveas.com
Signature	30 year
ANY OTHER PERS	ON THAT YOU WOULD LIKE THE CITY TO NOTIFY OF THE PUBLIC HEARING
Name	
Company Name	
Address	
Phone #	
Email	
Signature	

FOR OFFICE USE ONLY				
Date Received:	File No.:			
Title:	Account No.:			
Type of Application:	Notes:			

PLEASE SIGN AND RETURN WITH YOUR APPLICATION

STATEMENT OF UNDERSTANDING

In signing this Statement of Understanding in conjunction with the attached application to the City of Antioch, Department of Community Development for Project:

I understand that charges for materials and staff time spent processing this application will be billed <u>monthly</u> and is based on an hourly rate as identified in the current fiscal year fee schedule. Application processing includes but is not limited to plan checking and processing, meetings, phone calls, research, email, and staff report preparation. Further, I understand that my initial deposit is not a fee and actual charges may be in excess of the deposit. The deposit will be returned to me at the conclusion of the process after all invoices have been paid. If invoices are not paid on a monthly basis, processing will be terminated until all past due amounts have been paid. Failure to pay invoices on a monthly basis may also result in an application being deemed incomplete; postponement of hearings or meetings; and/or inability to obtain a building permit.

I assume full responsibility for all costs incurred by the City in processing this application.

Further, I understand that approval of my project is NOT guaranteed and may be denied. In the case of a denial, I understand that I am still responsible for all costs incurred by the City in processing this application.

I hereby authorize employees, officials and agents of the City of Antioch to enter upon the subject property, as necessary, to inspect the premises and process this application.

DATE:	6-14-21			
NAME:	HARDEEP	STOHU		
SIGNATURE	: Hu			
	vner signature for		enter property and process the application. erty owner.	This
DATE				
DATE:				

ATTACHMENT D PROJECT PLANS (SEPARATE PAGE)



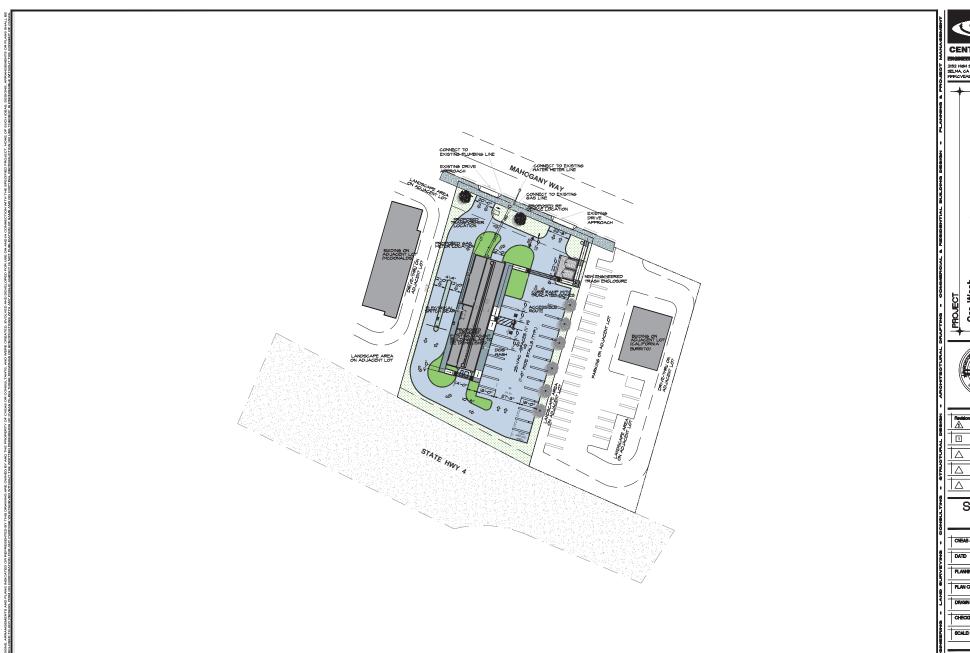


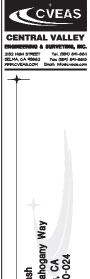


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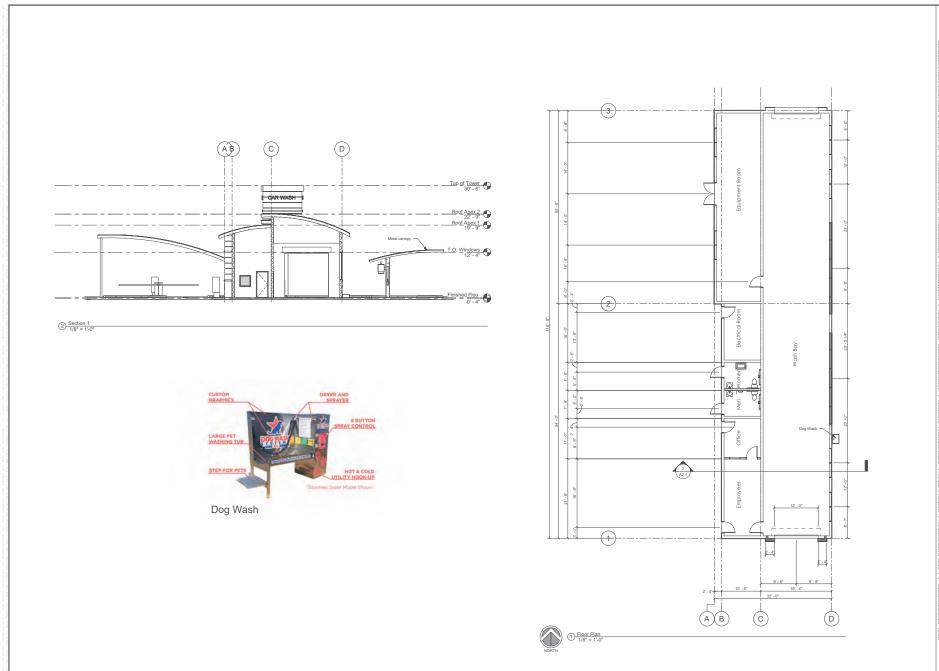


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SITE PLAN





CVEAS Job #: 20125DX

Current Release Date: 9-9-27 in Planning Submittal No. N/A

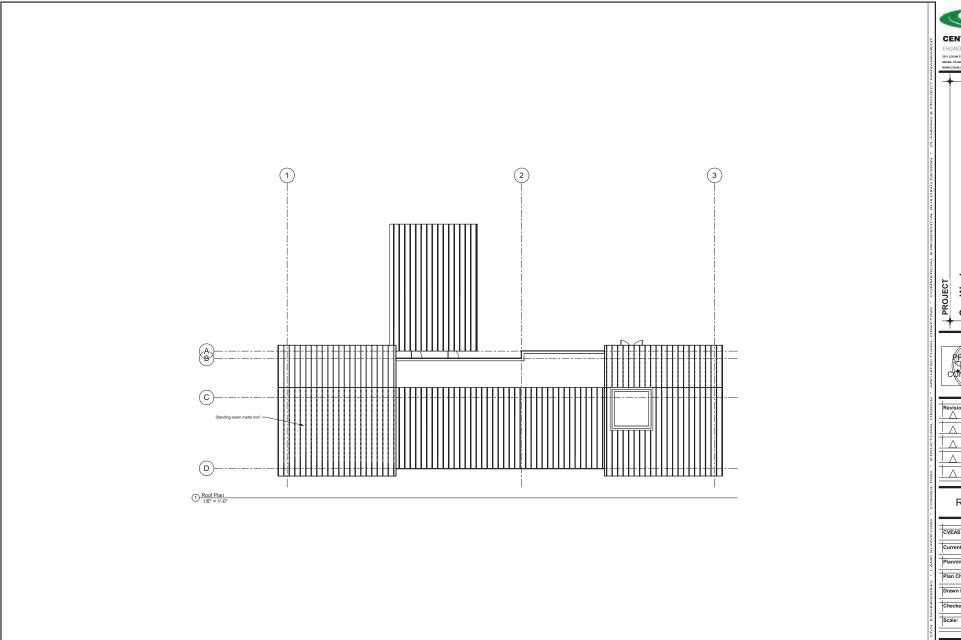
Plan Check Submittal No. N/A

Drawn By: PNM

Checked By: PNM

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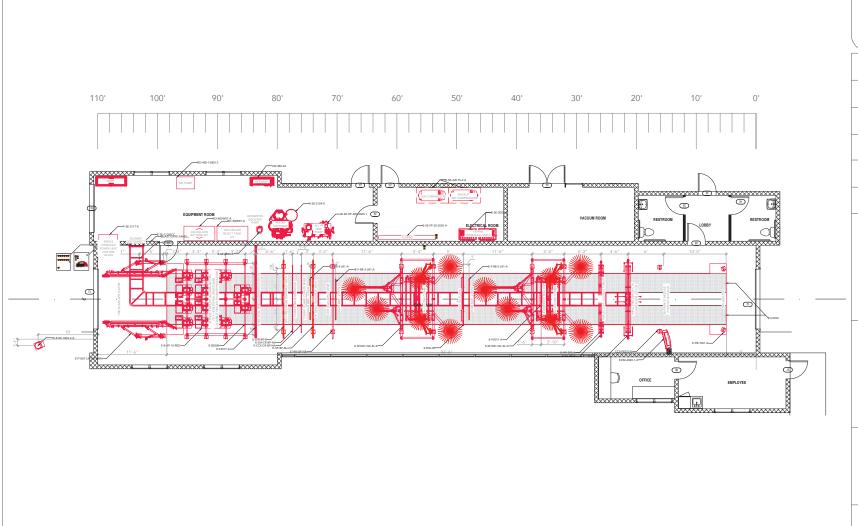
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LAND SURVEYING	Current Release Date : Issue Date	_
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	Plan Check Submittal No.	
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581 Ottawa Ave. Holland, MI 49423 616 494 0771 tommycarwash.com

Customer: Hardeep Sidhu

Location: Ripon, CA

Project #P2966

Quote #18592v1

Date: 06/28/21

Completed By: MM

DISCLAIMER:
ALTHOUGH BUILDING CODES
HAVE BEEN CONSIDERED IN
DEVELOPING THIS DRAWING,
VERFICATION OF SITE
SPECIFIC CONDITIONS AND
COMPLIANCE WITH FEDERAL,
STATE AND LOCAL BUILDING
CODES IS THE EXCLUSIVE
RESPONSIBILITY OF THE
CUSTOMER ANDIOR
ARCHITECT AND ENGINEER

CONFIDENTIAL WARNING:
THIS SHEET CONTAINS AND
CONSTITUES CONFIDENTIAL
INFORMATION, IMAGES AND
ITRADE SECRETS OF TOMMY
CAR WASH SYSTEMS, ANY
UNAUTHORIZED USE OR
DISCLOSURE OF ANY OR
PORTION THEREOF, IS
STRICTLY PROHIBITED. THIS
WORK IS THE EXCLUSIVE
PROPERTY OF TOMMY CAR
WASH SYSTEMS, ALL RIGHTS
RESERVED.

NOTES

Not for Construction Until Approved

Approved by

Date: /

Page/Drawing #TCW I





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PNM

1/8" = 1'-0"

Checked By:

Scale:

2410 MAHOGANY WAY ANTIOCH CAR WASH

WALLS

MATERIAL: 1

FINISH: Blue metal panels

MANUFACTURER:

MATERIAL: 2

FINISH: Gray metal panels

MANUFACTURER:

MATERIAL: 3

FINISH: Brick Series- Canyon Brick -Shale Brown

MANUFACTURER: Nichiha Fiber Cement

MATERIAL: 4

FINISH: Wood panels

MANUFACTURER:





ROOF

MATERIAL: 5

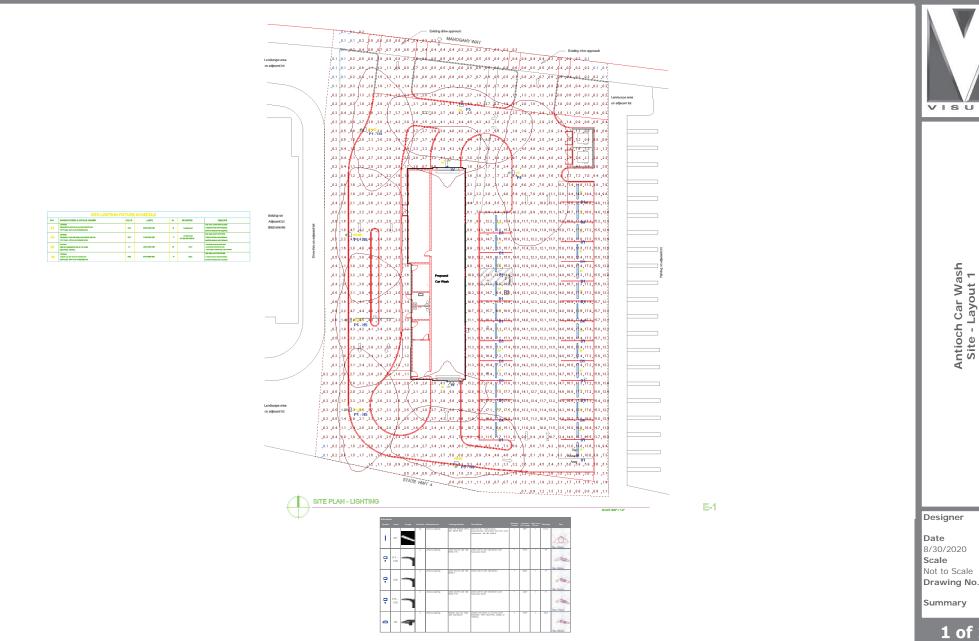
FINISH: Pre-fab Metal

MANUFACTURER: TBD by owner









VISUAL

- Layout Site

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CITY OF ANTIOCH

GRADING AND DRAINAGE PLAN FOR:

COMMERCIAL CAR WASH

APN: 074-370-024

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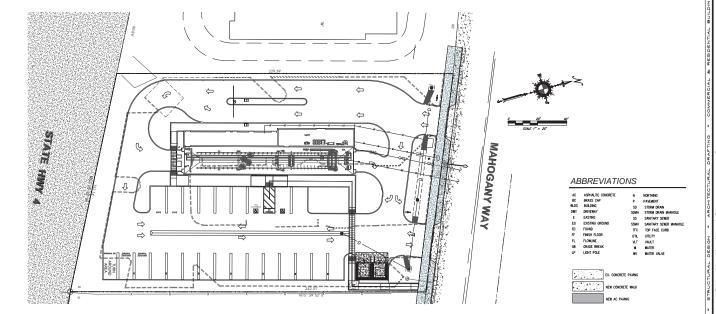
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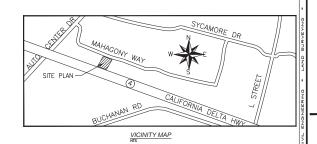
1/4 COVER SHEET GRADING PLAN 2/4 UTILITIES PLAN 3/4

EROSION CONTROL PLAN

OWNER INFO

HARDEEP SIDHU 3506 W. NIELSON AVE FRESNO, CA 93706











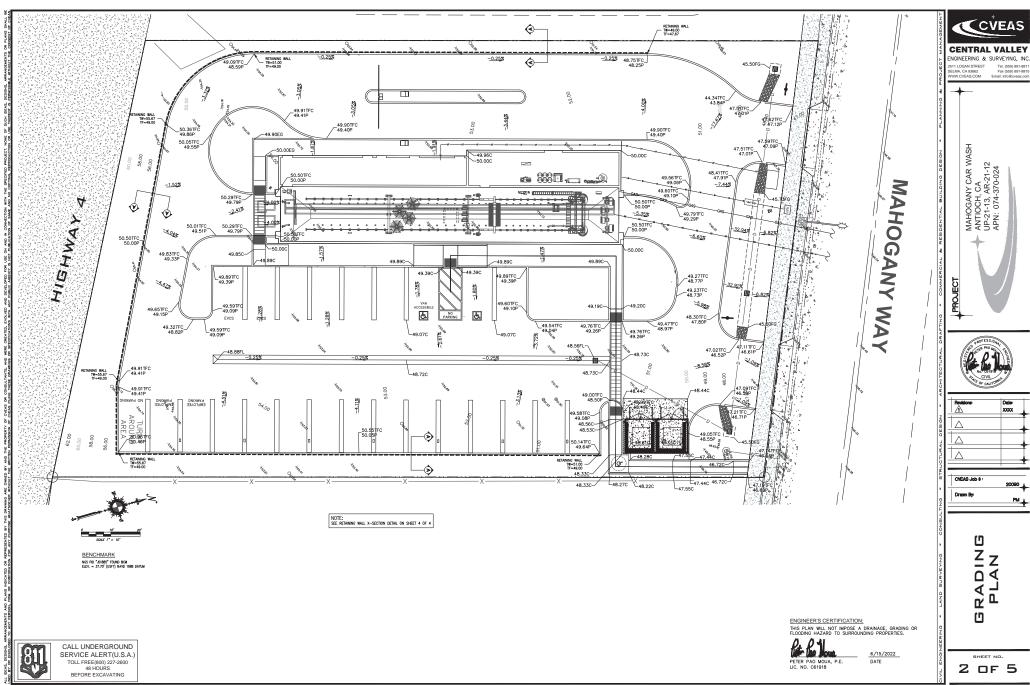


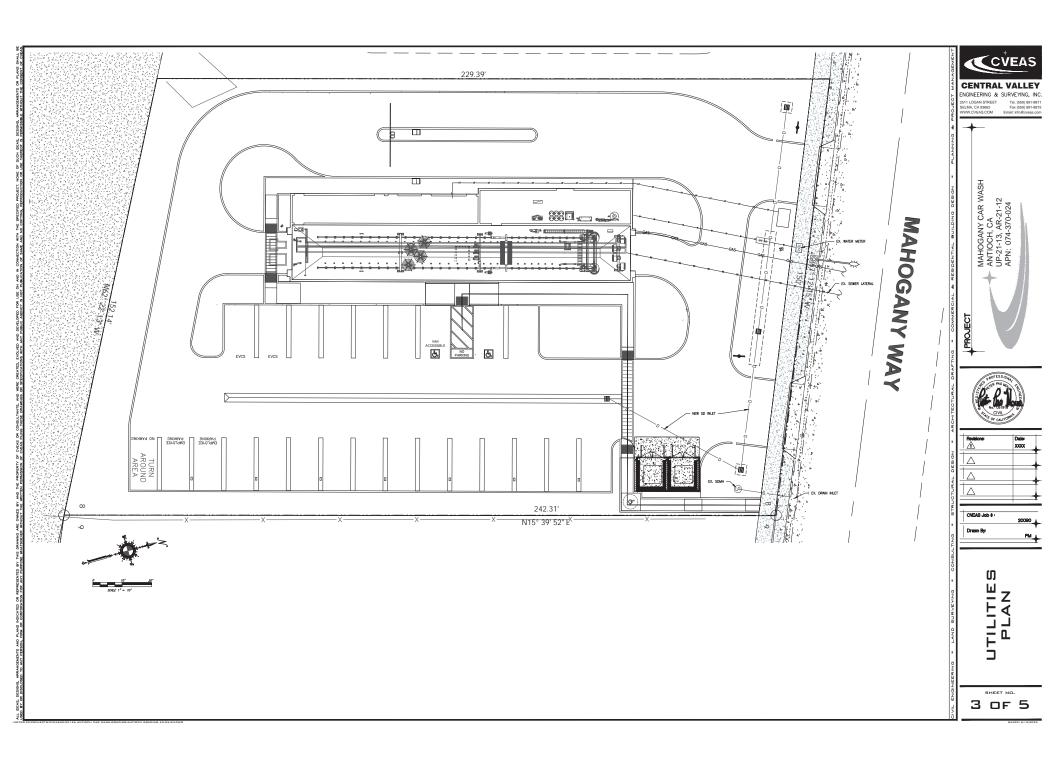
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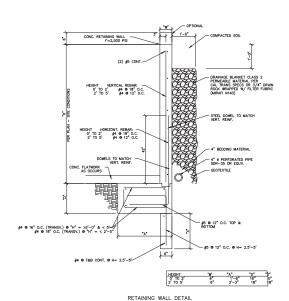
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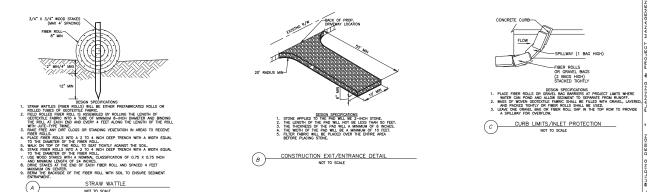
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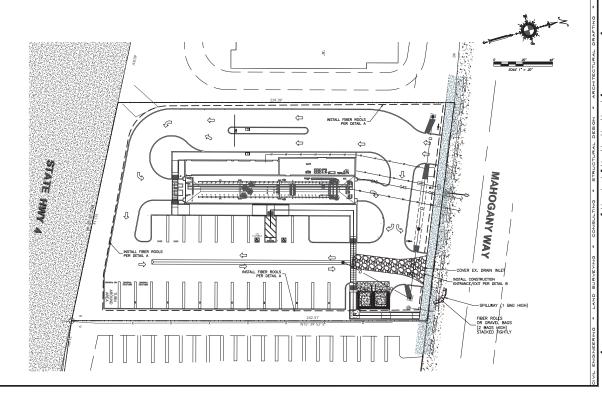
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LANDSCAPE NOTES

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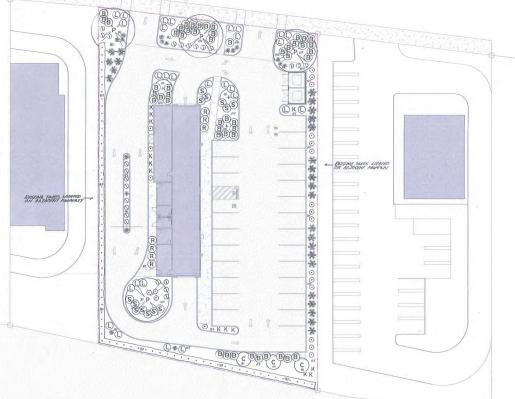
- SEE LANDSPAPE DOOUNGWATTON PACKAGE.
- (6) SEE LANDSPIRE DETAILS.
- (7) SEE LANDSOME SPECIFICATIONS

MAXIMUM APALIED WATER ALLOWANCE -ESTIMATED TOTAL WATER USE FROM IRRIGATION SCHEDULE 75, 826.00 CPY 101.37 HEFTY

TOTAL LANDSCAPE AREA 9,867 59' CLIMATE ZONE

* POR COMPLETÉ WINTER EFFICIENT CALCULATIONS SEE LANDSOADE DOCUMENTATION PACKAGE.

MAHOGANY WAY



STATE HWY 4

HYDROZONES

NUMBER	PLANTING TYPE	RATING	FOOTAGE
HI	TREES	.3	360 34'
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144	SHRUBS	.3	2,656891
45	SHRUBS	-3	2,833 84
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DESIGN COMPLIANCE

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CENTRAL VALLEY ENGINEERING & SURVEYING, INC.



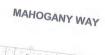


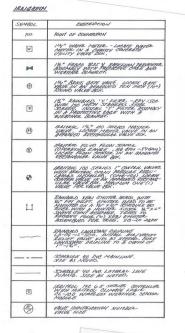
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Landscape and Irrigation

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Scale:	1" = 20'-0

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13) A LANDSCAPE IRRIGATION AUDIT REPORT IS REGULARED.

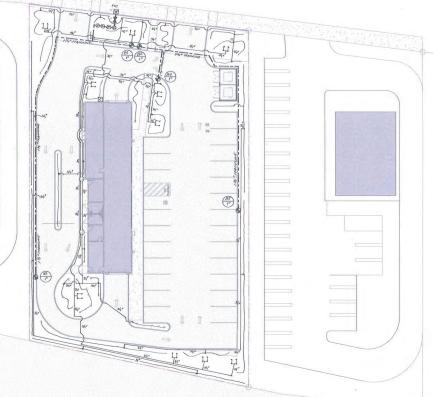
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(6) SEE LANDSTADE DOCUMENTATION PROBLAGE.
(7) SEE HENGATION DETAILS.

SE IKAIGATION DETAILS.

(8) SE IRRICATION SPECIALATIONS.



STATE HWY 4

HAXIMUM APPLIED WATER ALLOWANCE 124,981.34 GPV (MANNA) ESTIMATED TOTAL WATER USE 102, 762,43 EPY 137,38 HEAPY

* FOR COMPLETE WATER EFFICIENT CALCULATIONS. SEE LANDSCAPE DOCUMENTATION PACENCE.

FLOW RATES

NOMBER	REK MIN	PER HOUR	PLANT	RMING
HI	1.53	80	11ces	.3
112	4.05	243	SHRUBS	.3
113	5.25	3/5	SHEURS	.3
HY	4.5	270	sueves	.3
115	5,25	315	SHRUBS	,3

DESIGN COMPLIANCE

I HAVE COMPLED WITH THE CLITERIA OF THE MODEL WATER EFFINENT LANDSCHAE OLD MANGE AND MODELS THEM RESEAUGH, IGN. THE EFFICIENT USE OF WATER IN THIS HEMITHAN DESIGN TLAN.



CENTRAL VALLEY

ENGINEERING & SURVEYING, INC.





Landscape and Irrigation

CVEAS Job #: Current Release Date : Planning Submittal No. Plan Check Submittal No.

Checked By: Scale: 1" = 20'-0"

L1.2

HANDSCAFE DOCUMENTATION PACKAGE PHONET INTONNATION ANTIGER, LANGMAND FROMET APPLICANT JOS. DevicePark Landscape Accumentation Package; Landscape DevicePark Landscape DevicePark Landscape DevicePark Landscape DevicePark Landscape Specification Irrigation DevicePark Landscape Specifications Trigation DevicePark Landscape Specifications Landscape Landscape Landscape Specifications Landscape Landscape Landscape Landsc	WATER EFFICIENT LANDSCAFE WORLSHET HIDROCOME AREAS 1. ##. TARGET .1 .5% of .7 . 2. fc. content .3 .5% of .7 . 3. fd. SMEAL .1 .5% of .9 . 3. fd. SMEAL .1 .5% of .9 . 3. fd. SMEAL .1 .5% of .9 . 4. fd. SMEAL .2 .5% of .9 . 4. fd. SMEAL .2 .5% of .9 . 5. fd. SMEAL .2 .5% of .9 . 5. fd. SMEAL .2 .5% of .9 . 6. fd. fd. SMEAL .2 . 6. fd. SMEAL .2 .5% of .9 . 6. fd. fd. SMEAL .2 . 6. fd. f	DESCRIPTION (IE) HI # 2 . 3 PAIP . 8/	LANSCAPE ETAY = AREA ESTIMATED TOTAL WATER USE
Businer Bata Baga Baya Per Week of Weeks	tal Dao H So Chr So rear Val Va	101.31 hetpy	UPON COSPIETION OF PROJECT (1) A Certificate of Completion smat be submitted to local authorities. (MELD Section 407.9) (2) A Soul Meanagement Report with a certification of installation, verifying implementation of soil manipris report recommendations must be submitted to local submitted. (MELD Section 407.3) (3) A Landscape Prigation Soil Report with Landscape Irrigation Scheduling must be submitted to local submittees. (MELD Section 407.11) (4) A schedule of Landscape and Irrigation Ministensace must be submitted to local submittee. (MELD Section 407.11) See Landscape Specifications-Maintenance.

CVEAS
CENTRAL VALLEY

CENTRAL VALLEY

ENGINEERING & SURVEYING, INC.
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1994LCVEAS.COM Engli: Wioscveos.com

Car Wash 2410 Mahogany W Antioch, CA



LANDSC	CAPE
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SPECIFICATIONS

ONE 00-21-2022

DATE 00-21-2022

PLANSING SUBMITTAL 6

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SOALS AS NOTED

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ANTI-DRAIN VALVE - ANTI-DRAIN VALVE OR CHECK VALVE, MEANS A VALVE LOCATED WIDER A SPRINKLER HEAD TO HOLD WATER IN THE SYSTEM SO IT MINIMIZES DRAINAGE FROM THE LOCKER ELEVATION SPRINKLER HEADS.

APPLICATION RATE - APPLICATION RATE MEANS THE DEPTH OF WATER APPLIED TO A GIVEN AREA, USUALLY MEASURED IN INCHES PER HOUR.

APPLIED WATER - APPLIED WATER MEANS THE POTION OF WATER SUPPLIED BY THE IRRIGATION SYSTEM TO THE LANDSCAPE.

AUTOMATIC IRRIGATION CONTROLLER - AN AUTOMATIC TIMINS DEVICE USED TO REMOTELY CONTROL. VALVES THAT OFERATES AN IRRIGATION SYSTEM, CAPABLE COPERATINS VALVE STATIONS TO THE DAYS DAYS AND LENSTH OF TIME OF MATER APPLICATION.

BACK-FLOW PREVENTION DEVICE - A SAFETY DEVICE USE TO PREVENT POLLUTION OR CONTAMINATION OF THE MATER SUPPLY DUE TO THE REVERSE FLOW OF WATER FROM THE IRRIGATION SYSTEM.

CERTIFICATE OF COMPLETION - DOCUMENT CERTIFYING COMPLETION OF LANDSCAPE / IRRIGATION INSTALLATION AS ACCORDING TO APPROVED LANDSCAPE DOCUMENTATION PACKAGE, SIGNED BY DESIGNER OR INSTALLER.

CERTIFIED LANDSCAPE IRRIGATION AUDITOR - PERSON CERTIFIED TO PERI LANDSCAPE IRRIGATION AUDITS BY AN ACCREDITED ACADEMIC INSTITUTIO PROFESSIONAL TRADE ORGANIZATION OR OTHER PROGRAM.

CHECK VALVE - A VALVE LOCATED INDER A SPRINCLER HEAD, OR OTHER LOCATION IN THE IRRIGATION SYSTEM, TO HOLD MATER IN THE SYSTEM TO PREVENT DRAINAGE FROM SPRINCLER HEADS WERN THE IRRIGATION SYSTEM IS OFF.

CONVERSION FACTOR - NUMBER THAT CONVERTS ACRE-INCHES PER YEAR TO GALLONS PER FOOT PER YEAR. (0.62)

DRIP IRRIGATION - NONSPRAY LOW VOLLME IRRIGATION SYSTEM UTILIZING EMISSION DEVICES WITH A FLOW RATE NEASURED IN GALLONS FER HOUR LOW-VOLLME IRRIGATION SYSTEMS ARE SPECIFICALLY DESIGNED TO APPLY SMALL VOLLMES OF WATER SLOWLY AT, OR NEAR, THE ROOT ZONE OF PLANTS.

EMITTER - DRIP IRRIGATION EMISSION DEVICE THAT DELIVERS WATER SLOWLY FROM THE IRRIGATION SYSTEM TO THE SOIL.

ESTABLISHED LANDSCAPE - THE POINT AT WHICH PLANTS, FROM SEEDLINGS OR POTTED PLANTS, HAVE DEVELOPED SIGNIFICANT ROOT GROWTH INTO SOIL.

ESTABLISHMENT PERIOD - THE FIRST YEAR AFTER INSTALLING THE PLANT IN THE LANDSCAPE.

ESTIMATED TOTAL WATER USE - ESTIMATED TOTAL WATER USE FOR THE LANDSCAPE FOR A PERIOD OF ONE YEAR. (ETWL)

ET ADJISTMENT FACTOR - FACTOR APPLIED TO REFERENCE EVAPO-TRANSPIRATION THAT MAKES ADJISTMENTS FOR PLANT FACTORS AND IRRIGATION EFFICIENCY. (0.8)

EVAPO-TRANSPIRATION RATE - THE QUANTITY OF WATER EVAPORATED FROM ADJACENT SOIL SURFACES AND TRANSPIRED BY PLANTS DURING A SPECIFIC TIME.

FLOW RATE - RATE AT WHICH WATER FLOWS THROUGH PIPES AND VALVES, MEASURED IN GALLONS PER MINUTE, GALLONS PER HOUR, OR CUBIC FEET PER SECOND.

HARDSCAPES - ANY DURABLE MATERIAL (PERVIOUS AND NON-PERVOUS)

HYDROZONE - A PORTION OF THE LANDSCAPED AREA HAVING PLANTS WITH SIMILAR WATER NEEDS, A HYDRO-ZONE MAYBE IRRIGATED OR NON IRRIGATED.

INFILTRATION RATE - THE RATE OF WATER ENTRY INTO THE SOIL EXPRESSED AS A DEPTH OF WATER PER UNIT OF TIME.

IRRIGATION AUDIT - AN IN-DEPTH EVALUATION OF THE PERFORMANCE OF AN IRRIGATION SYSTEM CONDUCTED BY A CIRRIFIED LANDSCAPE RRIGATION AUDIT RELIZION, BUT IN OFFICIAL SYSTEM THE LOW INFECTION, SYSTEM THE LOW COVER SYRAY OR RIJ OFF THAT CAUSES OVERLAND FLOY, AND PREPARATION OF RIRICATION SOCIETAL.

IRRIGATION EFFICIENCY — THE MEASUREMENT OF THE AMOINT OF THE AMOINT OF MATTER EMPELOILLY USED, DIVIDED BY THE AMOINT OF MATTER REPREID, REVEATION EFFICIENCY IS DEVIVED BY MEASUREMENTS AND ESTIMATED OF RESEARCH STATES AND MAIAGORN SYSTEM CHARACTERISTICS AND MAIAGORN PRACTICES, (II) IRRIGATION ETPOLISECY FOR CHARACTERISTICS AND MAIAGORN EMPELOIS OF THE OFFICIENCY PRACTICES AND MAIAGORN PRACTICES THE IRRIGATION ESTIMATED.

IRRIGATION SURVEY - AN EVALUATION OF AN IRRIGATION SYSTEM THAT IS LESS DETAILED THAN AN IRRIGATION AUDIT. AN IRRIGATION SURVEY INCLUDES, BUT IS NOT LIMITED TO, INSPECTION, SYSTEM TEST, AND VRITTEN RECOMMENDATIONS TO IMPROV

LANDSCAPE AREA - ALL PLANTING AREAS, TIRP AREAS, AND MATER FEATURES IN A LANDSCAPE DESIGN PLANT SEQUENT OF THE MANNIMA APPLIED MATER ALLOWANCE OF STRUCTURES, SIDEMALUS, DEVINEMANTS, PRANTIS OLTS, DEVINEMANTS, GRAVILLOST, DEVEN, SITHOS, GRAVILLOST, STOLE FALLS, OTHER PERVIOUS OR NON-PERVIOUS HARDSCAPES, AND OTHER NON-EXCENSIONATION AND ADMINISTRATIONAL AND OTHER NON-EXCENSIONATIONAL AND ADMINISTRATIONAL AND OTHER NON-EXCENSIONATIONAL AND ADMINISTRATIONAL AND OTHER NON-EXCENSIONATIONAL AND ADMINISTRATIONAL ADMINISTRATIONAL ADMINISTRATIONAL ADMINISTRATIONAL ADMINISTRATIONAL ADMINISTRATIONAL ADMINISTRATIONAL ADMINISTRATIONAL ADMINISTRAT

LANDSCAPE CONTRACTOR - A PERSON LICENSED BY THE STATE OF CALIFORNIA, TO CONSTRUCT, MAINTAIN, REPAIR, INSTALL, OR SUBCONTRACT THE DEVELOPMENT OF LANDSCAPE SYSTEMS.

ANDSCAPE DOCUMENTATION PACKAGE - SHALL INCLUDE THE POLLOWING.
) PROLECT INCRMATION
) PATE-EFFICIENCY LANDSCAPE MORK-SHEET

SOLL MANAGEMENT REPORT

BOLL MANAGEMENT REPORT

BOLL MANAGEMENT REPORT

SOLL MANAGEMENT REPORT

GRAPHED DESIGN FLAN

GRAPHED DESIGN FLAN

LANDSCAPE PROJECT - TOTAL AREA OF LANDSCAPE IN A PROJECT AS DEFINED IN "LANDSCAPE AREA" FOR THE PURPOSE OF LANDSCAPE, IRRIGATION INSTALLATION.

LATERAL LINE - THE WATER DELIVERY PIPELINE THAT SUPPLIES WATER TO DOWN

STREAM OF THE ZONE CONTROL VALVE AND IS NOT PRESSURIZED WHEN IRRIGATION IS

NOT OCCURRENT.

LOW-VOLUME IRRIGATION - THE APPLICATION OF IRRIGATION WATER AT LOW PRESSURE THROUGH A 5YSTEM OF TUBING OR LATERAL LINES AND LOW-VOLUME EMITTERS SUCH AS DRIP, DRIP INDEX, OR BUBBLESS, LOW-VOLUME IRRIGATION 5YSTEMS ARE SPECIFICALLY DESIGNED TO APPLY SHALL VOLUMES OF MATER SLOWLY AT OR NEAR THE ROOT ZOOK OF PLANTS.

MAINLINE - THE PRESSURIZED PIPELINE THE DELIVERS WATER FROM THE WATER SOURCE TO THE VALVE OR OUTLET.

MAXIMUM APPLIED WATER ALLOWANCE - FOR DESIGN PURPOSES, THE UPPER LIMIT OF ANNAL WATER USE FOR THE ESTABLISHED LANDSCAPE AREA, BASED UPON THE AREAS REFERENCE EVAPO-TRANSPIRATION, THE ET ADJUSTMENT FACTOR, AND THE SIZE OF REFERENCE EVAPO-TRANSPIRATION, THE ET ADJISTMENT FACTOR, AND THE SIZE OF THE LANDSCAPE AREA. THE ESTIMATE TOTAL MATER USE, (ETMU) SHALL NOT EXCEED THE MANIMA APPLIED MATER ALLOWANCE, (MANN).

MULCH - ANY MATERIAL SUCH AS LEAVES, BARK, STRAW, OR OTHER MATERIALS LEFT LOOSE AND APPLIED TO THE SOIL SURFACE TO REDUCE EVAPORATION.

NEW CONSTRUCTION - A NEW BUILDING WITH A LANDSCAPE OR OTHER NEW LANDSCAPE

OPERATING PRESSURE - THE PRESSURE AT WHICH A SYSTEM OF SPRINKLERS IS DEIGNED TO OPERATE, USUALLY INDICATED AT THE BASE OF A SPRINKLER.

OVERHEAD SPRINKLER IRRIGATION SYSTEMS - SYSTEMS THAT DELIVER WATER THROUGH THE AIR. (SPRAY HEADS, ROTORS)

OVER-SPRAY - THE MATER WHICH IS DELIVERED BEYOND THE TARGETED LANDSCAPED ARE. METTING PAVEMENTS, WALKS, STRUCTURES, OR OTHER NON-LANDSCAPED AREAS.

PERMIT - AN AUTHORIZING DOCUMENT ISSUED BY THE CITY, COUNTY, OR STATE FOR NEW CONSTRUCTION OR REHABILITATED LANDSCAPE.

PERVIOUS - ANY SURFACE MATERIAL THAT ALLOWS PASSAGE OF MATER THROUGH THE MATERIAL AND INTO THE INDERLYING SOIL.

PLANT FACTOR - A FACTOR THAT, MAEN MALTIPLIED BY THE REFERENCE EVAPOR-TRANSPRACTION (ETG) ESTIMATES THE AMOUNT OF THE PATENT RESIDED BY FACTOR FOR AVERAGE NATIVE BY BOTH AND THE FACTOR FOR AVERAGE NATIVE BOING FLANTS IS OF TO GE AND THE FLANT FACTOR FOR HOTH AND THAT SIGHT AND THAT SIGHT AND THAT FACTOR FOR HOTH USE CLASSIFICATIONS OF LANDSCAFF SPECIES, (MOZE CLASSIFICATIONS)

PRECIPITATION RATE - THE RATE OF APPLICATION OF WATER MEASURED IN INCHES PER

PROJECT APPLICANT - THE INDIVIDUAL OR ENTITY SUBMITTING A LANDSCAPE DOCUMENTATION PACKAGE, REQUIRED TO REQUEST A PERMIT, PLAN CHECK OR DESIGN REVIEW A PROJECT APPLICANT MAY BE THE PROPERTY OWNER OR HIS OR HER DESIGNEE.

RAIN SENSOR - A COMPONENT WHICH AUTOMATICALLY SUSPENDS AN IRRIGATION EVENT WHEN IT DETECTS RAINFALL.

RECORD DRAWING OR AS-BUILT DRAWINGS - A SET OF REPRODUCIBLE DRAWING MHICH SHOW SIGNIFICANT CHANGES IN THE WORK MADE DURING CONSTRUCTION AND WHICH AR USUALLY BASED ON DRAWINGS MARKED UP IN THE FIELD AND OTHER DATA FURNISHED BY THE CONTRACTOR.

RECREATIONAL AREA - AREAS DEDICATED TO ACTIVE PLAY, SUCH AS PARKS, SPORTS FIELDS, AND GOLF COURSES WHERE TURF PROVIDES A PLAYING SURFACE.

RECYCLED WATER - TREATED OR RECYCLED WASTE WATER OF A QUALITY SUITABLE FOR NON-PORTABLE USES SUCH AS LANDSCAPE IRRIGATION AND WATER FEATURES. THIS WATER IS NOT INTENDED FOR WHAN CONSUMPTION.

RETERRICE EVANOTEMENTRATION - A STANDARD REASERSTET OF ENVIRONMENTAL PRANCTIERS HICK PROTECTION FAIRS LIKE OF PLANTS ETO SE PROTECTION OF A LANGE HICK OF EVANOTEMENT IN CHECK PER DAY, MONTH ON TEAR AND IS AN ESTIMATE OF THE EVANOTEMENTATION OF A LANGE HELD OF FORE TO SEVEN HOLT FALL CONTRACTED ON SPARS THAT IS MELL THAT AND A STANDARD HICK PROTECTION OF A LANGE HICK PROTECTION OF THE MANIMA APPLIED WATER ALLOWANCE SO THAT RESIDIAL DIFFERENCES IN CLIMATE CASE ACCOMPANDED THE

REHABILITATED LANDSCAPE - ANY RE-LANDSCAPING PROJECT THAT REQUIRES A PERMIT, PLAN CHECK, OR DESIGN REVIEW.

RUN OFF - WATER WHICH IS NOT ABSORBED BY THE SOIL OR LANDSCAPE TO WHICH IT IS APPLIED AND FLOYIS FROM THE LANDSCAPE AREA, RAN OFF MAY RESULT FROM MATER THAT IS APPLIED AT TOO A SEALT RATE. (APPLICATION RATE EXCEEDS INFILTRATION RATE) OR WHEN THERE IS A SLOPE.

SOIL MOISTURE SENSING DEVICE - A DEVICE THAT MEASURES THE AMOUNT OF WATER IN THE SOIL. THE DEVICE MAY ALSO SUSPEND OR INITIATE AN IRRIGATION EVENT.

SOIL TEXTURE - THE CLASSIFICATION OF A SOIL BASED ON THE PERCENTAGE OF SAND, SILT, AND CLAY IN THE SOIL.

SPECIAL LANDSCAPE AREA - AN AREA OF THE LANDSCAPE DEDICATED SOLELY TO EDIBLE PLANTS, AREAS RIGHATED WITH RECYCLED WATER WATER FEATIRES USING RECYCLED WATER AND AREAS DEDICATED TO ACTIVE FLAY SUCH AS PARKS, SPORT FIELDS, GOLF COURSES, AND WERET TURF PROVIDES A PLAYING SERVICE.

SPRINKLER HEAD - A DEVICE THAT DELIVERS WATER THROUGH A NOZZLE.

STATIC WATER PRESSURE - THE PIPELINE OR MUNICIPAL WATER SUPPLY PRESSURE WHEN WATER IS NOT FLOWING.

STATION - AN AREA SERVED BY ONE VALVE OR BY A SET OF VALVES THAT OPERATE SIMULTANEOUSLY.

SWING JOINT - AN IRRIGATION COMPONENT THAT PROVIDES A FLEXIBLE, LEAK FREE CONSECTION BETWEEN THE EMISSION DEVICE AND LATERAL PIPELINE TO ALLOW MOVEMENT IN ANY DIRECTION AND TO PREVENT EQUIPMENT DAMAGE.

TURF - A SURFACE LAYER OF EARTH CONTAINING MOMED GRASS AND ITS ROOTS. VALVE - A DEVICE USED TO CONTROL THE FLOW OF WATER IN THE IRRIGATION SYSTEM

MATER FEATURE - A DESIGN ELEMENT WHERE OPEN WATER PERFORMS AN AESTHETIC OR RECREATIONAL PUNCTION ONLY. THE SURFACE AREA OF WATER FEATURES IS INCLUDED IN THE HIGH MATER USE HYDROZONE OF THE LAND SACRE AREA.

WATERING WINDOW - THE TIME OF DAY IRRIGATION IS ALLOWED.

RRIGATION SPECIFICATIONS

- INSTALLATION OF COMPLETE AUTOMATIC IRRIGATION SYSTEM AS ACCORDING TO DESIGN PLANS, DESIGN DETAILS, AND IRRIGATION SPECIFICATIONS.
- LAYOUT OF ALL IRRIGATION HEADS, VALVES CONTROLLERS, WIRING, GUICK COUPLERS, BACK-PLON PREVENTERS, POINTS OF CONNECTIONS LOCATIONS, AS SPECIFIED ON DESIGN PLANS, DESIGN DETAILS, AND IRRIGATION SPECIFICATIONS.
- PONT OF CANECTON FOR IRRIGATION STYTES BALL BY VERIFIED PONT FOR ANY CONTROL OF THE POST O
- DUE TO SCALE OF DRAWINGS, IT IS NOT POSSIBLE TO INDICATE ALL OFFSETS, FITTINGS, ETC., WHICH MAY BE REQUIRED. CONTRACTOR SHALL CAREFULLY INVESTIGATE COMPITIONS AFFECTIVES HIS MORNING HIS MORNE ALC OFFSETS. AND FLAN HIS MORNE ACCORDINGLY, FURNISHING ALL FITTING, ETC., AS MAY BE REQUIRED TO INSTALL THE PROPOSED IRRUGATION.
- CONTRACTOR SHALL NOT WILLFULLY INSTALL THE IRRIGATION SYSTEM, AS INDICATED ON DESIGN PLANS, WHEN UNKNOWN FIELD
- CONTRACTOR TO CONSULT WITH LANDSCAPE ENGINEER, WHERE REVISIONS MAY BE ADVISABLE OR A DISCREPANCY ARISES.
- CONTRACTOR TO PROVIDE ALL LABOR, MATERIALS, AND EQUIPMENT, AS NECESSARY TO MEET ALL CODE REQUIREMENTS, (CITY, COUNTY, STATE, FEDERAL, ECT.)
- CONTRACTOR TO PROVIDE ADSIGNATE SAFETY PEASURES TO PROVIDED THE RIBLE AND ALL MORESESS INVOLVED IN THE PROJECT PROOF INJECT, DIE TO CONSTRUCTION OR EQUIPMENT OPERATIONS. CONTRACTOR TO PROST ALL SIGNS, BARRIES SET ETC., AS CONTRACTOR TO PROST ALL SIGNS, BARRIES SET ETC., AS CONTRACTOR SEED SHOULD SET ETC., AS CONTRACTOR'S RESPONSIBILITY / LIABILITY TO MAINTAIN TO MAINTAIN TO PROJECT AND THE PROJECT AND ALL PROSICES AT ALL TIMES.
- CONTRACTOR TO PAHILARIZE HIMBELF PITTY ALL EXISTING UTILITY LOCATIONS INDEX GROUND SERVICE ALERT, (BAJ (8)) IS TO BE USED RESPONSIBLE NOTIFY ANY OTHER UTILITIES IN COVERED SERVICE ALERT. CONTRACTOR TO TAKE GREAT USED RESPONSIBLE TO A LERT. CONTRACTOR TO TAKE GREAT RESPONSIBLE TO ANY UTILITY DAHAGE INCURRED BY HIM PHILE CONTRACTOR SERVICE ALERT. CONTRACTOR ANY AND ALL REPAIRS, AT HIS EXPENSIBLE TO ANY UTILITY DAHAGE INCURRED BY HIM PHILE CONTRACTOR.
- CONTRACTOR TO VERIFY, FOR PROPER ROUGH GRADE COMPLETION, BEFORE COMMENCEMENT OF IRRIGATION INSTALLATION.

CONTRACTOR TO SUBMIT, PRODUCT SUBMITTALS, PROMPTLY UPON AWARDING OF CONTRACT.

- CONTRACTOR TO PROVIDE TWO (2) SETS OF OPERATION AND MAINTENANCE MANUALS. THESE MANUALS SHALL CONTAIN THE
 - ONITICACTOR TO PROVIDE TWO (2) SeTS OF OPERATION AND MAINTENANCE MEANLAS. THESE MANULS SHALL CONTRAIN THE CONTRACTOR'S NAME, ADDRESS AND TELEPHONE NAMBER. 22. MAINTEN ONE YEAR MARRANTY (AURACITARYS AND SUPPLIERS AND AUDRESSES OF ALL MANUFACTURERS AND SUPPLIERS.

 - SUPPLIES
 COMPLETE SET OF MANIFACTURER'S LITERATURE
 COMPLETE SET OF MANIFACTURER'S LITERATURE
 COMPLETE OFFICIATIONS, ON ALL MATERIAL /
 INDIPRIORIT INSTALLED.
 COMPLETE OFFICIATION AND MAINTENANCE INSTRUCTIONS
 FOR ALL EQUIPMENT INSTALLED.
 COMPLETE OFFICIAL COMPLIANCE, STATING ALL
 MOKIC PERSONNEL B IS IN CONFORMACE NITH ARROYADD
 DESIGN FLANS, DESIGN DETAILS, SPECIFICATIONS AND ALL
 AUTHORIZED REVISIONS
- CONTRACTOR TO MAINTAIN A SET OF "AS BUILT" DRAWINGS.
 DETAILING ANY CHANGES OR DEVIATIONS MADE DURING
 CONSTRUCTION. INDICATE ANY DEVIATION FROM DESIGN PLANS BY CREACING TWO (2) PERVANENT POINTS OF REFERENCE. "AS IT DRAWNED ARE TO BE SUBMITTED, UPON COMPLETION OF JECT TO OWNER.
- A CONTROLLER CHART SHALL BE PROVIDED FOR EACH NOIVIDUAL CONTROLLER. A REDUCED DRAWNS OF ACTIAL DESIGN PLANS MAY BE UTILIZED. ALL VALVES AND LATERAL LINES CONTROLLED ARE TO BE COLOR CODED FOR EASY ACCESS / LOCATION RECOGNITION.

IRRIGATION MATERIALS

PVC PIPING, FITTINGS, AND CONNECTIONS

- 12
- ALL PAC PIPES TO INCHES IN DIAMETER AND INDER TO
 ALL PAC PIPES OVER THO INCHES IN DIAMETER TO BE
 ALL PAC PIPES OVER THO INCHES IN DIAMETER TO BE
 ALL PAC PIPES OVER THO INCHES IN DIAMETER TO BE
 ALL PAC PIPES OVER THO INCHES OVER
 ASSOCIATED THE BACK-LOOP PIPES OVER
 ASSOCIATED THE BACK-LOOP PIPES OVER
 ASSOCIATED THE BACK-LOOP PIPES OVER
 ALL PIPES AND FITTINGS TO MEET ALL CITT, CONITY,
 STATE, AND PETSAL COOPS.

- IRRIGATION HEADS ARE TO BE THOSE SPECIFIED ON DESIGN PLANS, DESIGN, DETAILS, AND SPECIFICATIONS OR AN APPROVED EQUAL PRE-APPROVED BY LANDSCAPE
 - APPROVED EQUAL PRE-APPROVED BY LANDSCAPE PIGNIERR . RRIGATION RISER ASSEMBLIES ARE TO BE THOSE PRECIFIED ON DESIGN PLANS, DESIGN DETAILS, AND SPECIFICATIONS OR AN APPROVED EQUAL, PRE-APPROVED BY LANDSCAPE ENSINEER.

AUTOMATIC CONTROL VALVES

AUTOMATIC CONTROL VALVES ARE TO BE MAKE, MODEL, AND SIZE SPECIFIED ON DESIGN PLANS, DESIGN DETAILS, AND SPECIFICATIONS OR AN APPROVED EQUAL MAY BE UTILIZED ONLY ON APPROVAL OF THE LANDSCAPE

ITILIZED ONLY ON APPROVAL OF THE LINGUISTANCE TO THE CONTROLL OF THE CONTROLL OF THE CONTROLL OF THE CONTROLL OF THE SPECIFIED REVEATOR OF THE SPECIFIC ATTORNS.

- 8.4.
- 3.5. ALL LANDSCAPES OVER 5,000 SQ.FT. ARE TO HAVE FLOW SENSORS INSTALLED.

AUTOMATIC CONTROLLERS

- AUTOMATIC CONTROLLERS ARE TO BE THOSE SPECIFIED ON DESIGN PLANS, DESIGN DETAILS AND SPECIFICATIONS. AUTOMATIC CONTROLLERS TO BE MLTH-PROSRANABLE WITH MEATHER SENSOR, FLOW SENSOR AND MASTER VALVE CAPABILITIES. 4.1. 4.2.
- ELECTRICAL POWER SERVICE (I/O V) TO BE PROVIDED BY OTHERS. 4.8.

BACKFLOW PREVENTER

 BACKFLOW PREVENTER IS TO BE AS SPECIFIED ON DESIGN PLANS, DESIGN DETAILS, AND SPECIFICATION.
 BACKFLOW PREVENTER TO METAIL CITY, COUNTY, STATE, FEDERAL CODE REQUIREMENTS. PVC SLEEVING

- SLEEVING MATERIAL SHALL BE CLASS 200 PVC PIPING MINIMUM. SLEEVING MATERIAL UNDER PAVEMENT AREAS TO SCHEDULE 40 PVC PIPINS.
- SLEEVE SIZING TO BE LARGE ENOUGH TO ALLOW EASY REMOVAL AND REPLACEMENT OF PIPE BEING SLEEVED.
- 6.3. ALL WIRING TO BE SLEEVED IN SEPARATE ELECTRICAL CONDUIT.
- 6.4. ALL PIPING UNDER MALKS, CURBS, PAVEMENT, CONCRETE OR ANY OTHER SOLID SURFACE TO BE SLEEVED, ALL SLEEVES ARE TO EXTEND THELVE INCHES PAST SOLID SURFACE ON BOTH ENDS.

- CONTROL WIRE TO VALVES, SHALL BE UF TYPE. WITH SOLID COFFER CONDUCTOR.
 CONTROL WIRE TO BE DESIGNED FOR DIRECT BURIAL USE.
- 13. SIZING FOR CONTROL WIRE TO BE IN ACCORDANCE WITH MANUFACTURER'S REQUIREMENTS, NUMBER 14 SOLID CORE

s. VALVE BOXES

- VALVE BOXES ARE TO BE THOSE AS SPECIFIED ON DESIGN PLANS, DESIGN DETAILS OR SPECIFICATIONS, APPROVED MANUFACTURERS ARE AMETEK, CARSON, OR AN APPROVED EQUAL, APPROVED BY LANDSCAPE ENGINEER.
- ALL VALVE BOXES TO HAVE BOLT LOCK LIDS.
 MAXIMM ONE (I) VALVE PER STANDARD RECTANGULAR VALVE BOX.
 MINIMAT TEN INCH ROUND VALVE BOX, UTILIZED FOR A SINGLE GATE VALVE.
- ALL NECESSARY VALVE BOX EXTENSIONS MUST BE PROVIDED AND INSTALLED TO OBTAIN PROPER GRADE HEIGHT.

QUICK COUPLERS

- GUCK COUPLERS ARE TO BE AS SPECIFIED ON DESIGN PLAN, DESIGN DETAILS AND SPECIFICATIONS.
 GUCK COUPLESS ARE TO BE INSTALLED IN TEN INCH ROAD VALVE BOOK WITH DET INSTALLED IN TEN INCH ROAD VALVE BOOK WITH DET. TELLE IN THE INSTALLED IN TEN INCH ROAD VALVE BOOK THE OWNER, DETAILED BY CONTRACTOR, AND TIMERO OVER TO GWIEN, DEAD OF COMPLETION OF INSTALLATION / MAINTENANCE PERIOD.

CVEAS CENTRAL VALLEY

ENGINEERING & SURVEYING, INC. 2/32 HIGH STREET

SELMA, CA 43662

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Tol. (554) 841-881

Fox (554) 841-8615

Email: Infoecyeas.com





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> CVEAS JOB 0 20125 DATE 08-21-2021 PLANNING SUBMITTAL & PLAN CHECK SUBMITTAL &

LANDSCAPE

SPECIFICATIONS

DRAWN BY: CHECKED BY SCALE AS NOTED

IRRIGATION INSTALLATION BACKFILLING

- EQUIPMENT TO BE USED TO EXCAVATE TRENCHES, SHALL PROVIDE A SMOOTH CONTINUOUS TRENCH IN INICIO THE PIPMS IS TO LIE. ALL PRESSENTE AND LIBER OF BET TRENCHED DEED ESCAPH TO ALL PRESSENT AND LIBER OF BET TRENCHED DEED ESCAPH TO ALL ANTERAL LINES ARE TO BET TRENCHED DEED ENGINE TO ALL ON THE PIPMS A MINIMAN TRELY ENCHES OF ECOVER.

- PIPMS

 1. ALL PAY PIPE CONSCITION ARE TO BE PRINCIPED AND SQLVENT

 2. ON THREVEDS PIPE CONSCITION THE AIM TO RAY APPROVED

 THE AIM PROVED PIPE CONSCITION THE AIM TO RAY APPROVED

 THE AIM PROVED AIM THE CHILLIES THE AIM PAST WAY FOR THE INLIED

 5. OFF THE AIM THE
- POSSIBLE, KIEDINS PRING INCER CONCRETE PAOL PRINTING.

 3.6. FELD THERADING OF PAO, PRIO RETINNS 15 NOT PERMITTED.
 PACTORY POSNED THERADS CALLY, MILL BE PERMITTED.

 3.1. CALL PRINTING PAOR PAOR APPLY JOINT COMPOUND TO

- 46. SLEEVES ARE TO EXTEND A FULL TWELVE INCHES PAST CONCRETE OR
- PAYINS.
 4.1. SLEEVING FOR CONTROL WIRING IS TO BE INSTALLED IN ELECTRICAL CONDUIT, MIRING IS NOT TO BE INSTALLED IN SAME SLEEVE BEINS USED TO SLEEVE PIPING.

CONTROL WIRING

- CONTROL, PRINSE

 3. THE SREADO OR COMPON WIRE IS TO BE COLOR CODED PHITE.

 5.2 CONTROL WRITES FOR SEASON, DIRF SREAD-ATION, THEN AREA, TO THE CONTROL WRITES FOR SEASON, DIRF SREAD-ATION, THEN AREA, TO THE SAME THE PRINSE AT THE SAME THE

BACK-FLOW PREVENTER

- F. CODE REGUIREMENTS AND DESIGN PLANS DIFFER, CONTACT
 LANDSCAPE ENANEER, BEFORE PROCEDING WITH INSTALLATION.
 UPON COPILETION OF BLACKFLOW INSTALLATION, CONTRACTOR SHALL
 CENTRED SACKFLOW INSTALLATION AND TESTING FROM A
 CENTRED SACKFLOW REPOSITION ENDS.

AUTOMATIC CONTROL VALVES

- YALYES ARE SHOWN DIAGRAMMATICALLY ON DESIGN PLANS, AND SHOULD BE LOCATED IN SHRUB AREAS WHENEVER POSSIBLE.
- CONTROL VALVES SHALL BE INSTALLED AS ACCORDING TO DESIGN PLANS, DESIGN DETAILS, SPECIFICATIONS AND MEET ALL CODE REQUIREMENTS, (CITY, COUNTY, STATE, FEDERAL)
- ALL CONTROL VALVES TO BE INSTALLED IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS AND SPECIFICATIONS.

- THE VALVE BOX SHOULD BE INSTALLED IN SUCH A MANNER THAT ALL PARTS OF THE VALVE ARE ACCESSIBLE FOR SERVICE.
- 8.9. MAXIMUM ONE VALVE PER STANDARD RECTANGULAR VALVE BOX
- AL. NECESSARY VALVE BOX EXTENSIONS ARE TO BE INSTALLED BY CONTRACTOR TO MEET GRADE REQUIREMENTS.

- 1. ALL CONTROLLES ARE TO BE LOCATED IN AREA NDICATED IN DESIGNATION DESIGN FLANS. IF CONTROLLES CANNOT BE LOCATED IN DESIGNATION DESIGNATION OF THE LOCATED IN DESIGNATION OF THE LOCATED IN DESIGNATION OF THE LOCATED IN THE LOCATED

IO. QUICK COUPLER VALVES

9 IRRIGATION INSTALLATION

- IO.2. LOCATE QUICK COUPLER VALVE IN SHRUB AREAS WHENEVER POSSIBLE
- IO.S. GUCK COUPLER VALVES ARE TO BE INSTALLED IN TEN INCH ROUND VALVE BOXES, WITH BOLTABLE LIDS.

II. IRRIGATION HEADS

- III. ALL PIPING TO BE THOROUGHLY PLUSHED BEFORE INSTALLATION OF IRRIGATION HEADS.
- II.2. SHRUB IRRIGATION HEADS LOCATION AROUND BUILDING, ARE TO BE SPACED TWELVE INCHES FROM BUILDING.
- II.9. SHRUBS IRRIGATION HEADS ARE TO BE SPACED SIX INCHES FROM ALL CURBS WALKS, DRIVEWAYS, AND PAYED ARES.
- II.4. TURF IRRIGATION HEADS ARE TO BE SPACED ONE INCH FROM ALL CURBSIVALKS, DRIVENAYS AND PAVED AREAS.
- II.5. IRRIGATION HEAD ASSEMBLIES ARE TO BE INSTALLED IN ACCORDANCE WITH DESIGN PLANS, DESIGN DETAILS AND SPECIFICATIONS. 12. CLEANING AND ADJUSTMENT OF IRRIGATION SYSTEM
- 12.1. CLEAN AND FLUSH COMPLETE IRRIGATION SYSTEM UPON COMPLETION OF INSTALLATION
- 12.2. ADJUST ALL IRRIGATION HEADS TO ENSURE MAXIMUM GOVERAGE. 12.5. LANDSCAPE ENGINEER TO INSPECT COMPLETED IRRIGATION INSTALLATION PRIOR TO THE COMMENCEMENT OF LANDSCAPE INSTALLATION.
- 12.4. LANDSCAPE ENSINEER MUST GIVE HIS APPROVAL BEFORE THE COMMENCEMENT OF LANDSCAPE INSTALLATION IS BEGAN.

IB. FINAL ACCEPTANCE

- ISI. IRRIGATION SYSTEM SHALL BE TESTED IN PRESENCE OF LANDSCAPE ENSINEER, COMPLETING ANY ADJISTMENT DEEMED NECESSARY.
- IS.2. PROVIDE PROOF OF DELIVERANCE OF ALL ACCESSORIES REQUIRED.
- IS.B. PROVIDE "AS BULL" DRAWINGS, CONTROLLER CHARTS, MAINTENANCE MANUALS, AND ALL NECESSARY LITERATURE.
- IS.4. A CERTIFICATE OF LANDSCAPE/IRRIGATION INSTALLATION COMPLETION, SHALL BE FILED WITH PROPER AUTHORITIES 5/6NED BY THE DESIGNER, OR LICENSED LANDSCAPE CONTRACTOR.
- 19.5. AT THE COMPLETION OF THE PROJECT THE CONTRACTOR SHALL SUPPLY A CERTIFICATION OF THE PROJECT THE CONTRACTOR SHALL INCLUDE:

 19.51. PROJECT INFORMATION QUERY THE CONTRACTOR SHALL INCLUDE:
- 5 AT THE COPPLETION OF THE PROJECT THE CONTINUENCE SHALL

 BILLION.

 BILLION.

14 WARRANTY / GUARANTEE

LANDSCAPE SPECIFICATIONS

- GENERAL PORK DESCRIPTION
 TRANSIGNAL PORK DESCRIPTION
 TRANSIGNAL PARTICIPATION AND PROPERTY RECESSARY FOR COPPLETE LANGUAGE BRYALLATION, LANGUAGE BRYALLATION AND COPPLETE LANGUAGE BRYALLATION, LANGUAGE BRYALLATION AND COPPLETE BROWNING BROWNING AND COPPLETE BROWNING BROWNING BROWNING AND COPPLETE BROWNING AND COPPLETE BROWNING BROWNIN
- UTILITY DAVIGE INCURENCE PHIL HILL COMPILITION HIS SCOTE OF CONTROLLED TO PROPULIDATION OF THE PROPULINATION OF THE PROPUL PROPULATION OF THE PROP

2. SUBMITTALS

- 2. A COMPLETE LIST OF FLANTS, TREES, GROADCOVER AND FLANTING ATTERIALS PROVIDED FOR INSTALLATION, IS TO BE SUB-INTED MONDAY ATTERIALS PROVIDED FOR INSTALLATION, IS TO BE SUB-INTED MONDAY DEPAIR. ALL CAMMITTIES JUST AND CALLATIES GROWN ON DEBANG, FLANS, ANY SUBSTITUTIONS OF DEVALUATION OF ANY KIND FROM DESIGN FLANS, ANY SUBSTITUTIONS OF DEVALUATION OF ANY KIND FROM DESIGN ENDINGER.

9. QUALITY ASSURANCE

3.1. GALITY OF PLANTS SHALL CONVOINT TO THE STATE OF CALIFORNIA
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AND SELL SHE CALIFORNIA SHOCK. THE SHALL SHE CALIFORNIA
5.2. IMPRETATION OF PLANT HATERIAL REQUIRED BY CITY, COANTY, STATE OR
FEDERAL AND SHEET SHALL SHE SHE RESPONDED IT OF THE
COERTIFICATES HECESSARY, PRIOR TO DELIVERY OF PLANTS TO THE
STILL

PLANTS - PLANTS ARE TO BE SIZE AND VARIETY INDICATED ON DESIGN PLANS. PLANTS SHALL BE IEALTHY, DISEASE FREE, INSECT FREE, AND SHOWING VISOROUS GROWTH PLANTS SHALL HAVE A VISOROUS GROOT STITEM, NO ROOT BOUND PLANTS, PLANTS SHALL HEAVE BEEN ESTABLISHED IN CONTAINERS, SHOWING NOWAY, SIZE IN DIRECT, UP-SIZED PLANT HANTERIAS.

POPIGO. - STORED DOLL TRICK! PRIGHT PRIGHT CONTOUL TO BE FIRST PRIGHT DOCKS.

STORED, COMPACTED, EXERCISE CT. ALL LANGUAGE THE RECEIT TO HAVE DOCKS.

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PROVIDED TOPPOLL - IMPORTED TOPPOLL SUBJECT TO APPROVAL OF LANGUAGE DIMENSION. THE PROVIDED TOPPOLL SUBJECT TO ANY BOARD ANALYZED THE PROVIDED TOPPOLL TO HAVE BOARD ANALYZED TOPPOLL TO TOPPOLL TO TOPPOLL TOPPOLL TOPPOL TOPPOL

HAMS - HAMS TO BE NITRO-PORTIFIED FOREST HAMS, ONE QUARTER INCH MAXIMM SUZE, WITH ONE PERCENT OF NITROSEN ADDIDL A RECYCLED PRODU MAY BE UTLIZED, SUBJECT TO APPROVAL LANDSCAPE ENGERSER, A ACTUAL SAMPLE OF THE RECYCLED PRODUCT MOST DE SUBMITTED TO LANDSCAPE DISNIBER, BEFORE APPROVAL WILL BE SUPER.

TURF - SODDED OR SEEDED AS NOTED ON DESIGN PLANS AND TURF SPECIFICATIONS.

TREE STAKES – 2" \times 2" \times 8" LODGE POLE TREE STAKES, TWO PER TREE. MINIMUM THREE FIGURE EIGHT TIES PER TREE. GUIDE WIRING MAY BE REQUIRED FOR LABOURE TREES.

SOIL PREPARATION

- SOIL PREPARATION

 1. COMMANDERS OF STREET, IT JANGS AND THE STREET, IT

PLANTING

- PLANTING TO BE PERFORMED BY GUALIFIED PERSONNEL FAMILIAR WITH PLANTING PROCEDURES. A GUALIFIED FOREMAN IS TO BE PRESENT DURING ALL PLANTING PROCEDURES.
- ALL TREE AND SHRUB PLANTING SHALL BE ACCORDING TO DESIGN PLANS. RELOCATION OF ANY PLANTS DUE TO DESTRUCTIONS OR OTHER REASONABLE CAUSES, SHALL BE PRE-APPROVED BY THE LANDSCAPE ENGINEER.
- PLANTING PITS ARE TO BE DUG AS ACCORDING TO LANDSCAPE DITTALS, PAPER DELLED NITH AS EIGHT SECH AUGUST TO A DEPTH OF SIX FEET, OR THROUGH HARDPAN LAYER, SEE LANDSCAPE DEFAILS FOR PLANTEN SEE LANDSCAPE DEFAILS FOR PLANTEN
- A BACKFILL MIXTURE CONSISTING OF FIFTY PERCENT NITRO-FORTIFIED FOREST HIMIS AND FIFTY PERCENT NATIVE SOIL IS TO BE USED IN PLANTING OF ALL PLANTING MATERIALS.
- TREE STAKING SHALL BE AS ACCORDING TO LANDSCAPE DETAILS, GUDE WRING MAY BE REQUIRED FOR LARGER TREES. AGRI-FORM TABLETS ARE TO BE APPLIED TO ALL TREES AND SHRUBS AT THE FOLLOWING
- AGRI-FORM TABLETS ARE TO BE AFFILI.
 ALL TREES AND SHARES AT THE FOLLOW
 RATES:
 OR GALLON 1 TABLETS
 FOR GALLON 3 TABLETS
 FOR GALLON 4 TABLETS
 24 BOX
 26 BOX 8 TABLETS
 46 BOX 12 TABLETS
 46 BOX 12 TABLETS
- ALL PLANTS AND TREES TO BE MATERED THOROUGHLY, IMMEDIATELY AFTER PLANTING.
- CARE IS TO BE TAKEN AS NOT TO DAMASE PLANTING MATERIALS, ANY DAMASE TO ROOT BALL OR PLANT STRUCTURE WILL NOT BE ACCEPTED.
- MERE DESIGN PLANS CALL FOR SROUNDCOVER UNDER TREES OR SHRUB, SROUNDCOVER SHALL EXTEND UNDER CANOPY OF TREE OR SHRUB.
- A PRE-ENTRIGENT SHALL BE APPLIED TO ALL PLANTING AREAS, ACCORDING TO MANFACTUREN'S INSTRUCTIONS AND OR SPECIFICATIONS. CARE IS TO BE TAKEN HEN SEEDED OR HYDRO-SEEDED THAY IS PRESENT.

FINISHING GRADING

- FINISH GRADING SHALL BE SMOOTH AND EVEN IN APPEARANCE, PLANTERS ARE TO BE RAKED TO AN ATTRACTIVE APPEARANCE.
- FINISH GRADING FOR ALL PLANTER AREAS TO BE ONE INCH BELOW ALL ADJACENT WALKS, CURBS, PAYEMENT ETC., FINISH GRADE TO BE MEASURED FROM TOP OF DECORATIVE BARK WHEN REQUIRED.
- FINISH GRADES ARE TO BE COMPLETED BEFORE ANY TURF SEEDING WILL BE PERMITTED.
- FINISH GRADE FOR SODDED TURF AREAS, IS TO BE ONE INCH BELOW ALL ADJACENT MALKS, CURBS, PAVEMENTS ETC... GRADE TO BE MEASURED FROM TOP OF SOD GLEAN UP
- UPON COMPLETION OF LANDSCAPE INSTALLATION, REMOVE ALL TRASH, DEBRIS, MASTE MATERIALS, EQUIPMENT, ETC., FROM SITE. BROOM CLENK ALL WALKS, PAVEMENT AREAS, DRIVEMENT, ETC.

MAINTENANCE

- I.I. LANDSCAPES WITH SODDED TURF, OR LANDSCAPE WITH NO TURF REQUIRED, WILL REQUIRE A THIRTY (BO) DAY MAINTENANCE PERIOD.
- LANDSCAPES WITH SEEDED FESCUE TURF WILL REQUIRE A SIXTY (60) DAY MAINTENANCE PERIOD.
- MAINTENANCE PERIOD TO BEEN UPON COPPLETON LANDSCAPE INSTALLATION WITH LANDSCAPE BENNERS, ACCEPTANCE AND APPROVAL, ALL PINACH LIST ITIME MEET BE COPPLETED BETONE LANDSCAPE DESIRENS FOR ACCEPTANCE AND APPROVAL OF COMPLETE BETONE LANDSCAPE DESIRENS AND THE COMPLETE BETONE LANDSCAPE DESIRENS AND THE COMPLETE AND ACCEPTANCE AND APPROVAL.
- APPROVAL
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 EXTENSION WILL BE AT NO COST TO THE
 OWNER.

IRRIGATION SYSTEM

- REPAIR AND ADJUST ALL IRRIGATION HEADS AS NEEDED TO MAINTAIN AN OPERABLE SYSTEM.
- ADJUST IRRIGATION SCHEDULE WEEKLY TO CONFORM WITH PRESENT MEATHER CONDITIONS AND WATER NEEDS.
- CHECK ALL IRRIGATION CIRCUITS MEEKLY FOR BROKEN IRRIGATION HEADS, IRRIGATION HEADS ADJUSTMENT, MALPINICTIONS, ETC.
- 2.4. UTILIZE MULTIPLE START TIMES TO PREVENT

TREES

- S.I. ALL TREES TO BE ALLOWED TO GROW TO THEIR NATURAL. SHAPE AND FORM.
- PRINING SHALL BE PERFORMED BY KNOWLEDGEABLE PERSONNEL ONLY. TREE PRINING SHALL BE PERFORMED WITH THE GOAL OF PROMOTING STRUCTURAL STRENGTH, SAFETY, AND ACCENTIATING NATURAL FORM OF THE TREE.
- ALL SUCKERS, CRISSCROSS, DISEASED, DEAD, OR HEAVY LADDEN BRANCHES, SHOULD BE REMOVED.
- PRINE, SHRUBS ONLY AS NEEDED OR TO REMOVE UNSIGHTLY MATERIALS, SUCH AS DEAD FLOWERS, OR BROKEN BRANCHES.
- 4.8. EDGE GROUND COVERS TO PREVENT GROWTH ONTO MALKS, PAYEMENT, DRIVENAYS, ETC.,
- 4.4. FRINE BACK GROUNDCOVER THAT ARE CLIMBING WALLS, TREES, OR COVERING SHRIBS, LANDSCAPE BISHIESE MAY REQUIRED GROUND COVER TO CLIMB CERTAIN WALLS OR STRUCTURES, ONLY ON HISHER APPROVAL MILL THIS BE ACCEPTED.
- 45. KEEP ALL PLANTER AREAS FREE FROM TRASH, DEBRIS, WASTE MATERIALS, ETC..

4.6. UNIFORMLY RAKE ALL PLANTER AREAS WHERE SPOUNDCOVER IS NOT PRESENT.

- MOW ALL TURF AS NEEDED, SEVEN DAYS MAXIMUM INTERVAL BETWEEN MOWING.
- ALL TURP AREAS TO BE EDGED EACH TIME OF MOWINGS, DO NOT USE A MEED EATER TO EDGE TURP AREAS.
- 5.4. RESEED ANY TURF AREAS NOT SHOWING HEALTHY GERMINATION.
 - HERBICIDES, PESTICIDES, FERTILIZERS, ARE TO BE USED IN ACCORDANCE WITH MANUFACTREESS INSTRUCTIONS, AND RECOMMENDATIONS IN ORDER TO MAINTAIN A MEED FREE, DISEASE FREE, VIGOROUS GROWTH LANDSCAFE.

FINAL ACCEPTANCE

FINAL INSPECTION FOR ACCEPTANCE OF LANDSCARE / IRRIGATION, SHALL BE MADE AT THE CONCLIDION OF THE MANITONALE PERIOD, PROVIDED THAT ON SUCH DATE ALL OTHER PROCLECTS, INPROVIDENTS, AND CORRECTIVE PROCLECTS INPROVIDENTS AND CORRECTIVE PROCLECT INPROVIDENT AND CORRECTIVE PROCLECT INPROVIDENT AND CORRECTIVE WORK ARE NOT COMPLETED. THEN THE

LANDSCAPE MAINTENANCE PERIOD, SHALL CONTINUE AT NO COST TO THE OWNER, UNTIL WORK HAS BEEN COMPLETED.

- AT THE DISCRETION OF THE LANDSCAPE ENGINEER, THE LANDSCAPE MAY BE ACCEPTED IN SECTIONS
- FINAL INSPECTION SHALL BE CONDUCTED WITHIN FORTY EIGHT HOURS OF INSTITUTE NOTICE OF COMPLITION BY CONTRACTOR, TO LANDSCAPE ENGINEER. AT THE COMPLETION OF THE PROJECT THE CONTRACTOR SHALL SUPPLY A CERTIFICATE OF COMPLETION DOCUMENT, DOCUMENT SHALL
- CONTRACTOR BUILD SIMPLY A CORTIFICATE
 OF COMPLICATION DECIDION TO SELECT THAT

 17-11. PROJECT IN NORMATION SHEET THAT

 17-12. PROJECT IN NORMATION SHEET THAT

 17-12. PROJECT IN SELECT THAT

 17-13. PROJECT IN SELECT THAT

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 17-15. PROJECT CAMPE

 17-16. PROJECT CAMPE

WARRANTY / GUARANTEE

- STANDARD ONE YEAR WARRANTY / GUARANTEE SHALL BE IN EFFECT.
- 14.2. ANY PLANT, TREE, OR GROUNDCOVER BEING REPLACED, SHALL BE REPLACED BY SAME SUT AND VARIETY OF THE ORIGINAL





Car Wash 2410 Mahogany V Antioch, CA 074-370-024

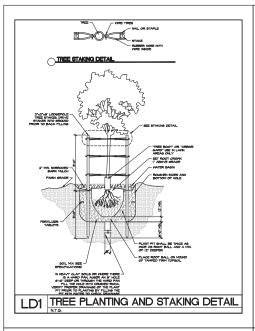
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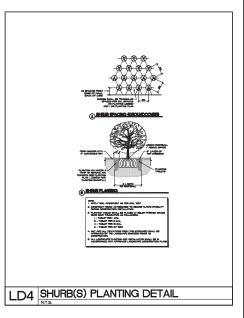
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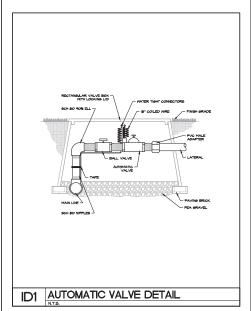
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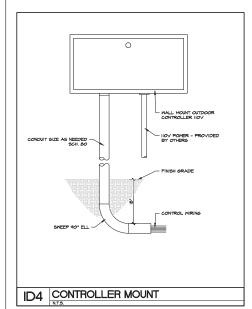
11 LANDSCAPE MATERIALS 12 PROJECT INFORMATION

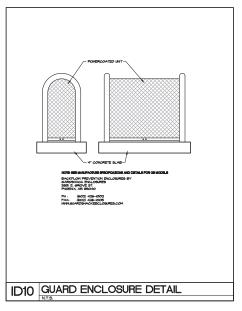
10 LANDSCAPE SPECIFICATIONS

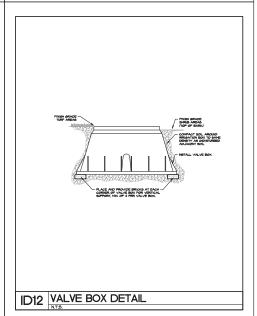




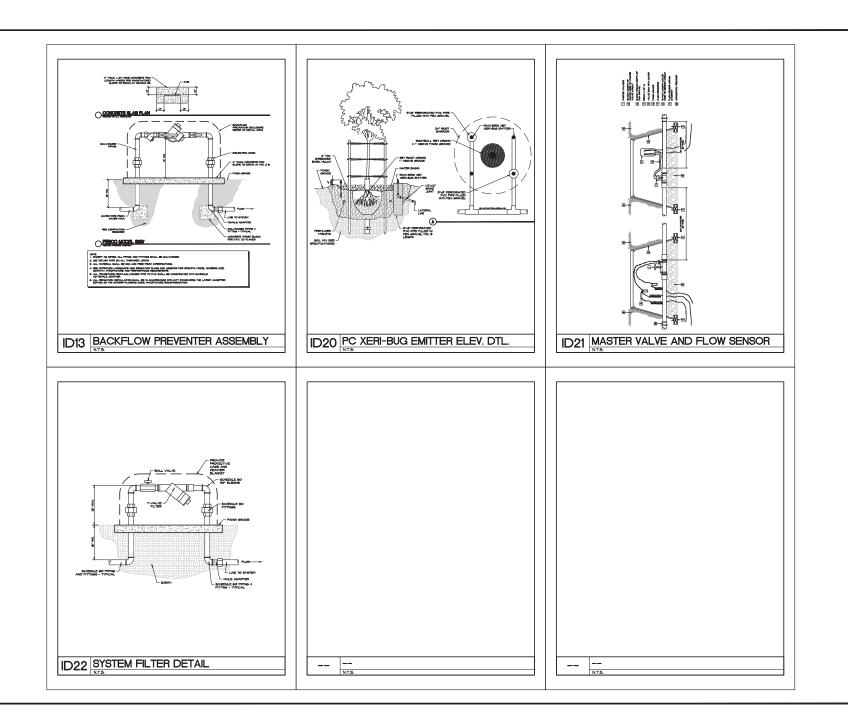














MATSONVILLE CARWASH BLDG.

1455 FREEDOM BLVD.

AND ALTA VISTA AVE.

WATSONVILLE, CA 95076

APN - 016-061-06

DATE SIGNED LIVIZOZI

Revisions:	Date: 9-10-1000
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ATTACHMENT E CONTRA COSTA FIRE COMMENTS (SEPARATE PAGE)

Contra Costa County



Fire Protection District

January 28, 2022

Mr. Jose Cortez 200 H Street Antioch, CA 94509

Subject:

New car wash

2410 Mahogany Way, Antioch Planning #: UP-21-13, AR-21-12 CCCFPD Project No.: P-2022-016030

Dear Mr. Cortez,

We have reviewed the plans to establish a car wash at the subject location. The following is required for Fire District approval in accordance with the 2019 California Fire Code (CFC), the 2019 California Building Code (CBC), and Local and County Ordinances and adopted standards:

The proposed project appears to meet Code and Fire District requirements.

Additional information:

 Access roadways of less than 28-feet unobstructed width shall have signs posted or curbs painted red with the words NO PARKING – FIRE LANE clearly marked. (22500.1) CVC, (503.3) CFC

Access roadways of **28 feet or greater, but less than 36-feet** unobstructed width shall have **NO PARKING – FIRE LANE** signs posted, allowing for parking on one side only or curbs painted red with the words **NO PARKING – FIRE LANE** clearly marked. (22500.1) CVC. (503.3) CFC

2. A land development permit is required for access and water supply review and approval prior to submitting building construction plans.

The developer shall submit a minimum of two (2) copies of full size, scaled site improvement plans indicating:

All existing or proposed hydrant locations,
Fire apparatus access to include slope and road surface
Elevations of building,
Size of building and type of construction,
Gates, fences, retaining walls, bio-retention basins, any obstructions to access.
Striping and signage plan to include "NO PARKING-FIRE LANE" markings

This is a separate submittal from the building construction plans. These plans shall be approved prior to submitting building plans for review. (501.3) CFC

- 3. The owner shall cut down and remove all weeds, grass, vines, or other growth that is capable of being ignited and endangering property. (304.1.2) CFC
- 4. The developer shall submit a minimum of two (2) complete sets of building construction plans and specifications for the subject project to the Fire District. After the new construction / tenant improvement plans are approved, plans and specifications for all deferred submittals shall be submitted, including, but not limited to the following.
 - Photovoltaic, if proposed
 - Carbon Dioxide Systems

Plans shall be submitted to the Fire District for review and approval **prior to** construction of the building or installation of the systems to ensure compliance with minimum requirements related to fire and life safety. Plan review and inspection fees shall be submitted at the time of plan review submittal. (105.4.1) CFC, (901.2) CFC, (107) CBC

CONTACT THE FIRE DISTRICT (MINIMUM 2 WORKING DAYS IN ADVANCE) AT 925-941-3300 EXT 3902 TO SCHEDULE AN INSPECTION OF THE ACCESS AND HYDRANT INSTALLATION PRIOR TO CONSTRUCTION OR THE STORAGE OF COMBUSTIBLE MATERIALS ON THE JOB SITE.

Our preliminary review comments shall not be construed to encompass the complete project. Additional plans and specifications may be required after further review.

If you have any questions regarding this matter, please contact this office at (925) 941-3300.

Sincerely.

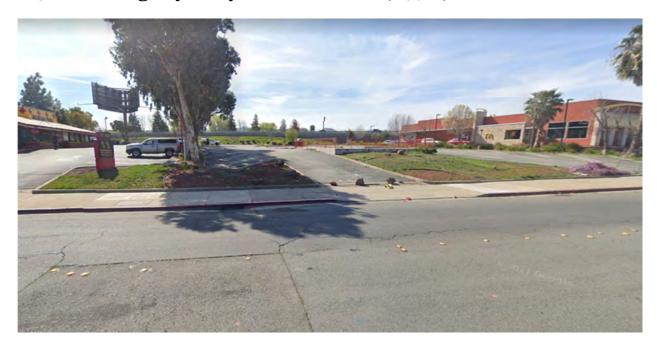
Michael Cameron Fire Inspector

cc: JDJ Developing deep@jfsinc.us

File: 2410 MAHOGANY WAY-PLN-P2022-016030-LTR

ATTACHMENT F SITE PICTURES (SEPARATE PAGE)

2410 Mahogany Way, Antioch, CA 94509



Looking South/West



Looking South/West



Looking North/West



Looking North/East



Looking South/East