# **PROJECT MANUAL**

Landscape Project @ Nordhoff High School, Quad Area PROJECT NO. 2019-1714

Bid Opening: June 21st, 2019, 2:00 P.M.

for

**OJAI UNIFIED SCHOOL DISTRICT** 

May 30, 2019

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#### **DOCUMENT 00020**

# NOTICE TO CONTRACTORS CALLING FOR BIDS

NOTICE IS HEREBY GIVEN that Ojai Unified School District of Ventura County, California, acting by and through its Governing Board, hereinafter referred to as the DISTRICT will receive up to, but not later than 2:00 o'clock p.m. of the 21st day of June, 2019, sealed bids for the award of a contract for:

Landscape Project @ Nordhoff High School, Quad Area
Project Number: 2019-1714

Bids shall be received in the office of the Business Department, OJAI UNIFIED SCHOOL DISTRICT located at 414 E Ojai Ave, Ojai, CA 93023 and shall be opened and publicly read aloud at the above-stated time and place.

A <u>pre-bid walk</u> will be held on <u>June 11, 2019 at 10:00 am</u> for the purpose of acquainting all prospective bidders with the bid documents and the work sites. The pre-bid meeting will begin at:

Nordhoff High School Main Office: 1401 Maricopa Highway, Ojai 93023

It is required that all bidders attend the pre-bid walk for the project.

Each bid must conform and be responsive to the contract documents, copies of which are now on file and may be obtained after May 30, 2019 on the Ojai Unified School District Website (http://www.ojaiusd.org/Projects).

Each bid shall be accompanied by the security referred to in the contract documents, the non-

**NOTICE TO CONTRACTORS** 

collusion affidavit, the list of proposed subcontractors, and all additional documentation required by the Instructions to Bidders.

In contracts involving an expenditure in excess of \$25,000.00, the successful bidder shall file a payment bond issued by an admitted Surety approved to conduct business in the State of California approved by the District in the form set forth in the contract documents.

The District reserves the right to reject any or all bids or to waive any irregularities or informalities in any bids or in the bidding.

The Director of Industrial Relations has determined the general prevailing rate of per diem wages in the locality in which this work is to be performed for each craft or type of worker needed to execute the contract which will be awarded to the successful bidder. The prevailing rate of per diem wages as determined by the State Director of Industrial Relations are AVAILABLE ON THE INTERNET at the World Wide Website of the State Department of Industrial Relations at <a href="https://www.dir.ca.gov">www.dir.ca.gov</a> under Statistics and Research.

It shall be mandatory upon the Contractor to whom the contract is awarded, and upon any subcontractor under him, to pay not less than the said specified rates to all workers employed by them in the execution of the contract.

Minority, women, and disabled veteran contractors are encouraged to submit bids. This bid **is not** subject to Disabled Veteran Business Enterprise requirements.

This contract **is** subject to a labor compliance program, as described in subdivision (b) of Section 1771.5 of the Labor Code.

Each bidder shall be a licensed contractor pursuant to the Business and Professions Code and shall be licensed in the following classifications: California Contractors B License (with C-27 Landscaping License for subcontractor) or C-27 Landscaping License. No bidder may withdraw a bid for a period of <a href="sixty">sixty</a> (60) days after the date set for the opening of bids.

Dated this May 30th, 2019

Adam Dutter
Bond Manager
OJAI UNIFIED SCHOOL DISTRICT
of Ventura County, California

**END OF DOCUMENT** 

**NOTICE TO CONTRACTORS** 

# DOCUMENT 00100 INFORMATION FOR BIDDERS

#### 1. **Preparation of Bid Form**

The District invites bids on the **attached** form to be submitted at such time and place as is stated in the Notice to Contractors Calling for Bids, not later than 2:00 o'clock pm.of the 21st day of June, 2019. Bids shall be received in the Business Office located at Ojai Unified School District, 414 E Ojai Ave, Ojai, CA 93023. All blanks in the bid form must be appropriately filled in, and all prices must be stated in both words and figures. If a different price is stated in words than is stated in figures, the price stated in words shall be the price bid. All bids must be submitted in sealed envelopes bearing on the outside the name of the bidder, their address, and the name of the project for which the bid is submitted. It is the sole responsibility of the bidder to see that his bid is received in proper time. All bids received after the scheduled closing time for receipt of bids will be returned to the bidder unopened.

# 2. Bid Security

Each bid shall be accompanied by a certified or cashier's check payable to District, or a satisfactory bid bond in favor of District executed by the bidder as principal and an admitted surety approved to conduct business in the State of California as surety, in an amount specified in the Special Conditions hereof. The check or bid bond shall be given as a guarantee that the bidder shall execute the contract if it be awarded to him in conformity with the contract documents and shall provide the surety bond or bonds as specified therein within five (5) days after notification of the award of the contract to the bidder.

#### 3. Faxed and Electronic Mail Bids

All bids must be under sealed cover. District will not accept any bids or bid modifications submitted by facsimile or electronic mail transmission.

# 4. Signature

The bid must be signed in the name of the bidder and must bear the signature in longhand of the person or persons duly authorized to sign the bid.

#### 5. Modifications

Changes in or additions to the bid form, recapitulations of the work bid upon, alternative proposals, or any other modification of the bid form which is not specifically called for in the contract documents may result in the District's rejection of the bid as not being responsive to the invitation to bid. No oral or telephonic modification of any bid submitted will be considered and a telegraphic modification may be considered only if

the postmark evidences that a confirmation of the telegram duly signed by the bidder was placed in the mail prior to the opening of bids.

#### 6. Erasures/Mutilation of Bid Documents

The bid submitted must not contain any erasures, interlineations, or other corrections unless each such correction is suitably authenticated by affixing in the margin immediately opposite the correction the surname or surnames of the person or persons signing the bid.

Contractors should not deface or mutilate the bid documents to the extent that they may not be usable for construction purposes. Bid documents obtained under deposit shall be returned within 10 days after bid opening.

#### 7. Examination of Site and Contract Documents

Each bidder shall visit the site of the proposed work and fully acquaint himself with the conditions relating to the construction and labor so that he may fully understand the facilities, difficulties, and restrictions attending the execution of the work under the contract. Bidders shall thoroughly examine and be familiar with the drawings and specifications. The failure or omission of any bidder to receive or examine any contract documents, form, instrument, addendum, or other document or to visit the site and acquaint himself with conditions there existing shall in no way relieve any bidder from obligations with respect to his bid or to the contract

- 7.1 Each bidder, by making his bid represents that he has read and understands the Contract and Bid Documents and any and all related reports and information. After executing the Agreement, no consideration will be given to any claim of misunderstanding of the documents.
- 7.2 Each bidder, by making his bid, represents that he has visited the site, inspected the area of the work, and familiarized himself with the local conditions under which the work is to be performed. Such inspection shall specifically consider requirements for accessing the site and determining the work can be completed as required by, and as shown in, the Contract Documents.
- 7.3 With District's approval, including provision of insurance as required, and after scheduling access with the District, each bidder may conduct additional site investigations at the bidder's sole cost.

#### 8. Withdrawal of Bids

Any bidder may withdraw his bid either personally, by written request, or by telegraphic request confirmed in the manner specified above at any time prior to the scheduled closing time for receipt of bids.

# 9. Agreements and Bonds

The Agreement form which the successful bidder, as Contractor, will be required to execute, and the forms and amounts of surety bonds which he will be required to furnish at the time of execution of the Agreement, are included in the contract documents and shall be carefully examined by the bidder. The required number of executed copies of the Agreement, the Performance Bond, and the Payment Bond for Public Works is as specified in the Special Conditions.

The Performance Bond must be executed by an admitted Surety approved to conduct business in the State of California which meets the highest standards the District is legally permitted to establish and which it has established.

The Payment Bond must be in the amount of 100 percent of the total amount payable. The Payment Bond must be executed by an admitted Surety approved to conduct business in the State of California which meets the highest standards the District is legally permitted to establish.

Bonds shall be in the form set forth in the contract documents.

# 10. Interpretation of Plans and Documents

If any person contemplating submitting a bid for the proposed contract is in doubt as to the true meaning of any part of the drawings, specifications, or other contract documents, or other information pertaining to the site (including any available soils or geotechnical report) or finds discrepancies in, or omissions from the drawings and specifications, he is hereby required in accordance with Public Contract Code section 1104 to submit to the Architect a written request for an interpretation or correction thereof. The person submitting the request will be responsible for its prompt delivery. Any interpretation or correction of the contract documents or other available information will be made only by addendum duly issued and a copy of such addendum will be mailed or delivered to each person receiving a set of the contract documents. At the option of the District, all addenda may be mailed, delivered, faxed, made available for pick-up or sent via electronic mail. District shall have the option to send a hard copy via regular mail or overnight delivery, at the option of District. No oral interpretation of any provision in the contract documents will be made to any bidder. Numbers spelled out in words will take precedence over numerals / figures. The last date to submit a request for information shall be June 14th, 2019.

# 11. Bidders Interested in More Than One Bid and Bidders Not Qualified to Bid

No person, firm, or corporation shall be allowed to make, or file, or be interested in more than one bid for the same work unless alternate bids are specifically called for. A person, firm, or corporation that has submitted a subproposal to a bidder, or that has quoted prices of materials to a bidder, is not thereby disqualified from submitting a subproposal or quoting prices to other bidders or making a prime proposal. No person, firm, or corporation shall be allowed to bid who has participated in the preparation of contract specifications; a bid by such a person, firm or corporation shall be determined to be nonresponsive.

#### 12 Award of Contract

The District reserves the right to reject any or all bids, or to waive any irregularities or informalities in any bids or in the bidding. The award of the contract, if made by the District, will be to the lowest responsible bidder therefore.

# 13 Additive and Deductive Items: Method of Determining Lowest Bid

Pursuant to Public Contract Code section 20103.8, should this bid solicitation include additive and/or deductive items, the checked [X] method shall be used to determine the lowest bid:

lowest bid:
X (a) The lowest bid shall be the lowest bid price on the base contract
without consideration of the prices on the additive or deductive items.
(b) The lowest bid shall be the lowest total of the bid prices on the base
contract and those additive or deductive items taken in the numerical order set forth in
the bid form.
(c) The lowest bid shall be the lowest total of the bid prices on the base
contract and those additive or deductive items taken in order from a specifically identified
list of those items that, when in the bid form and added to, or subtracted from, the base
contract, are less than, or equal to, a funding amount publicly disclosed by the District
before the first bid is opened.
(d) The lowest bid shall be determined in a manner that prevents any
information that would identify any of the bidders from being revealed to the public entity
before the ranking of all bidders from lowest to highest has been determined.

If no method is checked, sub-paragraph (a) shall be used to determine the lowest bid. Notwithstanding the method used by the District to determine the lowest responsible bidder, the District retains the right to add to or deduct from the contract any of the additive or deductive items included in the bid solicitation.

# 14 Evidence of Responsibility

Upon the request of the District, a bidder whose bid is under consideration for the award of the contract shall submit promptly to the District satisfactory evidence showing the bidder's financial resources, his construction experience in the type of work being required by the District, and his organization available for the performance of the contract and any other required evidence of the bidder's qualifications to perform the proposed contract. The District may consider such evidence before making its decision awarding the proposed contract. Failure to submit requested evidence of a bidder's responsibility to perform the proposed contract may result in rejection of the bid.

# 15. Listing Subcontractors

Each bidder shall submit with his sealed bid a list of the proposed subcontractors on this project as required by the Subletting and Subcontracting Fair Practices Act (Public Contract Code section 4100 and following). Forms for this purpose are furnished with the contract documents. In addition to these requirements, within one business day after the bid opening, Contractor shall provide the address, phone number, and license number of each listed subcontractor. If the bidder fails to provide information within one business day, District may in its discretion, reject the bid as nonresponsive.

# 16. Workers' Compensation

In accordance with the provisions of section 3700 of the Labor Code, Contractor shall secure the payment of compensation to his employees. Contractor shall sign and file with District the following certificate prior to performing the work under this contract:

I am aware of the provisions of section 3700 of the Labor Code which require every employer to be insured against liability for workers' compensation or to undertake self-insurance in accordance with the provisions of that code, and I will comply with such provisions before commencing the performance of the work of this contract.

The form of such certificate is included as part of the contract documents.

# 17. Substitution of Security

Monies withheld by the District to ensure performance under the contract may be released in accordance with Public Contract Code section 22300 and the contract documents.

# 18. Contractor's License

If, at the time the bids are opened, bidder is not licensed to perform the project in accordance with division 3, chapter 9 of the Business and Professions Code of the State

of California (Section 7028.15) and the Notice to Contractors Calling for Bids, the bid will not be considered.

# 19. Storm Water Permit for Construction Activity

As applicable, it shall be the responsibility of the successful bidder to file a Notice of Intent and procure a State Water Resources Control Board (State Water Board) National Pollutant Discharge Elimination System General Permit for Waste Discharge Requirements for Discharges of Storm Water Runoff Associated with Construction Activity (Permit). The successful bidder shall be solely responsible for preparing and implementing a Storm Water Pollution Prevention Plan (SWPPP) prior to initiating work. The successful bidder shall be responsible for procuring, implementing and complying with the provisions of the Permit and the SWPPP, including the standard provisions, monitoring and reporting requirements as required by Permit and as required by Article 69 of the General Conditions It shall be the responsibility of all bidders to evaluate and include in the bid the cost of procuring the Permit and preparing the SWPPP as well as complying with the SWPPP and any necessary revisions to the SWPPP. The successful bidder shall also include in his bid the cost of monitoring as required by the Permit.

As applicable, it shall be the responsibility of the successful bidder to comply with the County of Ventura Low Impact Development techniques as outlined in the County of Ventura Low Impact Development Handbook and Appendices, available through the County of Ventura Department of Planning and Land Use, copy on file with the District.

Successful bidders will submit a weekly storm water observation and illicit discharge report to District's facilities department, attention Executive Director of Operations.

# 20. Ethics in Bidding.

The District expects the bidders to maintain high ethical standards in engaging in the competitive bidding process. The bid amount of one bidder should not be divulged to another before the award of the subcontract or order, nor should it be used by Contractor to secure a lower proposal from another bidder on that project (bid shopping). Subcontractors or Suppliers should not request information for the Contractor regarding any sub-bid in order to submit a lower proposal on that project (bid peddling). District will consider any bidder found to be engaging in such practices to be a non-responsible bidder and may reject its bid on that ground.

# 21. Substitutions and Special Brand Names

In accordance with Public Contract Code section 3400 "prior to or after the award of the contract", district must provide for "submission of data substantiating a request for a substitution of 'an equal' item." Therefore, **if the bidder is submitting "an equal" item** 

or product or work, the make and grade of the item, product or work which is to be substituted shall be provided to the District in the sealed bid submittal package. The documentation submitted must include any and all illustrations, specifications, and other relevant data including catalogue information which describes the substituted item or product or work and substantiates that it is an "or equal" to the specified item or product or work. In addition, the submittal documentation must also include a statement of the cost implications of the substitution being requested stating whether and why the substitution will reduce or increase the contract price. The documentation submitted must also include information regarding the durability and life cycle cost of the substituted item, product or work. Substantiating data shall include a signed affidavit from the Contractor stating that the substituted item or product or work is equivalent to the specified item or product or work in every way except as listed on the affidavit. Failure to submit all the needed substantiating data, including the signed affidavit, may result in a determination that the bid is nonresponsive. BIDDERS ARE SPECIFICALLY NOTIFIED THAT THE SUBMISSION OF THIS DOCUMENTATION IN NO WAY OBLIGATES THE DISTRICT OR ITS REPRESENTATIVE TO REVIEW SUCH DOCUMENTATION PRIOR TO CONTRACT AWARD. FURTHERMORE. IF A PROPOSED SUBSTITUTION IS REJECTED, BIDDER SHALL BE RESPONSIBLE TO PROVIDE THE ITEM OR PRODUCT OR WORK AS ORIGINALLY SPECIFIED AT NO ADDITIONAL COST TO THE DISTRICT. DISTRICT HAS THE COMPLETE AND SOLE DISCRETION TO DETERMINE IF AN ITEM OR ARTICLE IS AN EQUAL ITEM.

# 22. Fingerprinting

By law it is the District's responsibility to determine whether a contractor must provide fingerprint certification. Pursuant to Education Code section 45125.2, the District considers the totality of the circumstances in order to determine if fingerprinting of employees of a contractor working on a school site is required. Factors to be considered include the length of time the contractor's employees are on school grounds, whether students are in proximity with the location where the contractor's employees are working, and whether the contractor's employees are working alone or with others. A determination regarding whether fingerprint certification is required is contained in the special conditions.

# 23. Labor Compliance Program.

This contract is X /is not subject to a labor compliance program, as described in subdivision (b) of Section 1771.5 of the Labor Code. If this contract is subject to the requirements of Section 1771.7 of the Labor Code, the District to is required initiate and enforce a labor compliance program, as described in subdivision (b) of Section 1771.5 of the Labor Code. The law requires that District's labor compliance program shall include, but not be limited to, the following requirements:

(a) All bid invitations and public works contracts shall contain appropriate language concerning the requirements of this chapter.

- (b) A pre-job conference shall be conducted with the contractor and subcontractors to discuss federal and state labor law requirements applicable to the contract.
- (c) Project contractors and subcontractors shall maintain and furnish, at a designated time, a certified copy of each weekly payroll containing a statement of compliance signed under penalty of perjury.
- (d) The District shall review, and, if appropriate, audit payroll records to verify compliance with this chapter.
- (e) The District shall withhold contract payments when payroll records are delinquent or inadequate.
- (f) The District shall withhold contract payments equal to the amount of underpayment and applicable penalties when, after investigation, it is established that underpayment has occurred.

The District shall enforce a labor compliance program. A copy of the labor compliance program as currently adopted by the District is included with these bid documents. The labor compliance program which is approved by the Director of the Department of Industrial Relations (the "Labor Compliance Program") is incorporated by reference into the Contract and it will be enforced as required by state law and regulations and the Director of the Department of Industrial Relations.

In accordance with subdivision (b)(1) of Section 1771.5 of the Labor Code, the following notice is given: Contractor and any subcontractors are required to review and comply with the provisions of the California Labor Code, Part 7, Chapter 1, beginning with Section 1720, and the regulations of the Department of Industrial Relations implementing those provisions as more fully discussed in the Contract Documents and the labor compliance program as currently adopted by the District which is included with the bid documents. These statutory and regulatory provisions contain specific requirements, for example, concerning the determination and payment of prevailing wages, retention, inspection and auditing of payroll records, use of apprentices, payment of overtime compensation, securing of workers compensation insurance, and various criminal penalties or fines which may be imposed for violations of the requirements of the chapter. Submission of a bid constitutes Contractor's representation that it has thoroughly reviewed these requirements.

# 24. Disabled Veterans Participation Goals.

In accordance with Education Code section 17076.11, this District has a participation

goal for disabled veteran business enterprises ("DVBE") of at least 3 percent per year of the overall dollar amount of funds allocated to the District by the State Allocation Board pursuant to the Leroy F. Greene School Facilities Act of 1998 for construction or modernization and expended each year by the District. Prior to, and as a condition precedent for final payment under any contract for such project, the Contractor shall provide appropriate documentation to the District identifying the amount paid to disabled veteran business enterprises in conjunction with the contract, so that the District can assess its success at meeting this goal.

The Office of Small Business and DVBE Certification (OSDC), (916) 375-4940, www.osmb.dgs.ca.gov/BIS/bis\_queries/bis\_queries\_menu.asp,

is an information resource to assist bidders in locating Disabled Veteran Business Enterprises. (Please note: while the OSDC may be used as a resource, the DVBE Program administered by OSDC applies to state contracts not local agency (school district) contracts.)

#### 25. Bid Protests.

Any bidder having submitted a bid on the project may file a protest against the proposed contract award or challenging the validity of other bids. The protest must meet all of the following requirements:

The protest shall be submitted in writing and shall contain all the materials required by these provisions; one that does not contain all the required material shall not be recognized.

The protest shall be received by the Owner no later than the close of business on the second business day after bid opening; one received after that time shall not be recognized.

Each protest shall contain the following:

- (a) Identification by name, address, and telephone number of the protesting person(s) company and/or organization and identification of the project to which the protest pertains.
- (b) The protest shall set forth in detail all grounds for the protest, including without limitation all facts, identification by name of any other bids or bidders involved with the protest, all supporting documentation, together with any legal authorities and/or argument in support of the grounds for the protest. Any matters not set forth in the written protest shall be deemed waived. All factual contentions must be supported by content, admissible, and credible evidence.

Any protest not conforming to the requirements of this section shall be rejected as invalid.

Where a protest is filed in conformity with this section, the Owner's staff, or such individual(s) as may be designated by the Owner, shall review and evaluate the basis of protest and provide a written decision to the protesting bidder. The written decision shall either concur with or deny the protest.

Submission of a written protest to and receipt of a written decision from the Owner's staff shall be considered an administrative remedy, and failure to follow this procedure shall be a bar to any legal action.

The written decision by the Owner's staff may be appealed to the Owner. The appeal must be filed with the Owner's governing board or other governing body within two business days of the protesting bidder's receipt of the written decision of the Owner's staff.

The appeal must clearly state the reasons and basis for appealing the decision of the Owner's staff, making specific reference to any portions of the material submitted with the protest required.

A hearing on the appeal shall be held before the Owner's governing board or other governing body within 45 days of receipt of the appeal.

The owner's governing board or other governing body will make a decision within seven days following the hearing. The decision of the Owner's governing board or other governing body is not subject to arbitration, mediation, reconsideration, or further appeal.

Submission of an appeal to and receipt of a decision from the Owner's governing board or other governing body shall be considered an administrative remedy, and failure to follow this procedure shall be a bar to any legal action.

# 26. Procedure for Protesting Being Deemed a Non-Responsive Bidder.

Any bidder or prospective bidder deemed non-responsive after having submitted a bid may file an appeal of the action to the Owner's governing body or other governing body. The protest must meet all of the following requirements.

- (a) The appeal shall be submitted in writing, and shall contain all the materials required by these provisions; one that does not contain all the required material shall not be recognized.
- (b) The appeal must be received by the Owner's governing board or other governing body within two business days of the action by the Owner giving rise to the protest; one received after that time shall not be recognized.
- (c) A hearing on the appeal shall be held before the Owner's governing board or other governing body prior to the award of contract.

- (d) The decision of the Owner's governing board or other governing body is not subject to arbitration, mediation, reconsideration, or further appeal.
- (e) Submission of a protest to and receipt of a decision from the Owner's governing board or other governing body shall be considered an administrative remedy, and failure to follow this procedure shall be a bar to any legal action.

**END OF DOCUMENT** 

# DOCUMENT 00300 BID FORM

TO: Ojai Unified School District, acting by and through its Governing Board, herein called the "District":

1. Pursuant to and in compliance with your Notice to Contractors Calling for Bids and the other documents relating thereto, the undersigned bidder, having thoroughly examined and familiarized himself with the terms of the contract, the local conditions affecting the performance of the contract and the cost of the work at the place where the work is to be done, and with the drawings and specifications and other contract documents, hereby proposes and agrees to perform, within the time stipulated, the contract, including all of its component parts, and everything required to be performed, and to provide and furnish any and all of the labor, materials, tools, expendable equipment, and all utility and transportation services necessary to perform the contract and complete in a workmanlike manner all of the work required in connection with (complete all that apply):

# Landscaping Project @ Nordhoff High School, Quad Area Project Number: 2019-1714

amount of	Dollars (\$		).
the office of the Director of Purchasing of said Distric	ct for the <b>base bid</b>		
documents, including addenda numbers, _	, and	, on file at	
all in strict conformity with the drawings and specification	ations and other conti	ract	

- It is understood that the District reserves the right to reject this bid and that this bid shall remain open and not be withdrawn for the period specified in the Notice to Contractors Calling for Bids.
- 3. The required bid security is attached hereto.
- 4. The required unit prices form is attached hereto.
- 5. The required contractor registration certifications form is attached hereto.
- 6. Non-collusion affidavit is attached hereto.
- 7. The required list of proposed subcontractors is attached hereto.
- 8. It is understood and agreed that bidder shall provide the addresses, telephone numbers, and license numbers of all listed subcontractors within one business day of bid opening or bidder's bid may be rejected as nonresponsive.
- 9. It is understood and agreed that if written notice of the acceptance of this bid is mailed, telegraphed, or delivered to the undersigned after the opening of the bid, and within the time this bid is required to remain open, or at any time thereafter before this bid is withdrawn, the undersigned will execute and deliver to the District a contract in the form attached hereto in accordance with the bid as accepted. The undersigned will also furnish and deliver to the District the Performance Bond and Payment Bond for Public Works as specified, all within five (5) days after receipt of notification of award. The work under the contract shall be commenced by the undersigned bidder, if awarded the contract, on the date to be stated in the District's Notice to the Contractor to Proceed, and shall be completed by the Contractor in the time specified in the contract documents.
- 10. Notice of acceptance or requests for additional information should be addressed to the undersigned at the address stated below.

11. The names of a follows:	Il persons interested in	the foregoing prop	oosal as principals are as
(IMPORTANT Note that the control of	ation, also names of the partnership, state true n pprising the firm; if bidde	president, secretame of firm, also i	on is a corporation, state legal ary, treasurer, and manager names of all individual sed person is an individual, state
registration of C	that he is licensed in ac contractors, License No.		law providing for the expiration Date,
I,	, the		of the bidder, hereby
	by the bidder in connect		of the bidder, hereby lifornia, that all of the all of the representations
	day of	at	County,
	P	roper Name of Bio	dder
	•		
together with the signa corporate seal; if bidde together with the signa	tures of authorized officer r is a partnership, the tru ture of the partner or pa	ne of the corporation ers or agents and ue name of the fire ortners authorized	ure of Bidder on shall be set forth above the document shall bear the m shall be set forth above to sign contracts on behalf of e shall be placed above.
Business Address:			
Place of Residence:			
Telephone: ( )			

**END OF DOCUMENT** 



# AGREEMENT FOR CONSTRUCTION SERVICES

# AGREEMENT NUMBER 2019-1714\_

THIS Detwe	CONTRACT is made and entered into this een School I	s day of , 20, by and ("Contractor") and District ("District") ("Contract").
1.		ct for a total price of Dollars  Contract Price"), including a contingency allowance of Dollars (\$), the
	[LIST SERVICES OR ATTACH SCOPE OF WOR	RK AND DESIGNATE AS EXHIBIT "A"]
2.	Contractor shall perform the Work at _No. The Project is the scope of Work perform	ordhoff High School_ ("Premises" or "Site"). ned at the Site.
3.	Work shall be completed within Ninety,(9 days ("Contract Time") from the date spe	,
4.	the completion schedule, construction sc provisions of the Contract, it is understoo suffer damage which is not capable of be 53069.85, Contractor shall pay to the Dis incalculable damages, the sum of One the calendar day of delay beyond the Contra	completed within the Contract Time and/or pursuant to shedule, or project milestones developed pursuant to od, acknowledged, and agreed that the District will eing calculated. Pursuant to Government Code section strict, as fixed and liquidated damages for these housand Dollars (\$1000) per day for each and every act Time or beyond any completion schedule, nes established pursuant to the Contract.
5.	The Contract Documents include only th	e following documents, as indicated:
	Notice to BiddersInstructions to BiddersBid Form and ProposalBid BondDesignated Subcontractors ListNotice to ProceedTerms and Conditions to ContractNoncollusion Declaration	Asbestos & Other Hazardous Materials  Certification Lead-Product (s) Certification Roofing Project Certification Insurance Certification & Endorsements Performance Bond Payment Bond Specifications
	Noncollusion DeclarationPrevailing Wage Certification	Specifications

	Workers' Compensation Certification	Plans
	Criminal Background Investigation Certification	Scope of Work
	Drug-Free Workplace Certification	
	Tobacco-Free Environment Certification	
	Certification of Contractor and Subcontractor	
	PWC 100 submitted on Dept. of Industrial Relations websit X_ Certification of Financial Relationships	e
	Certification of Financial RelationshipsCertification of Financial Relationships in Regard to Roofin	a Project
	oorunoation of Financial Relationships in Regard to Room	g 1 10,000.
6.		performance bond, payment (labor and material) he endorsement(s) of insurance required under
7.	Payment for the Work shall be made in acco	ordance with the Terms and Conditions.
8.	on the Project is	cable laws. No work shall be carried on except with aid Project Inspector. Project Inspector shall have time. Contractor shall furnish Project Inspector information as may be necessary to keep Project manner of work, and character of materials. The
9.	Inspection and acceptance of the Work shall	be performed by representative of the District.
10.	given, served, and received if given in writing	under this Contract shall be deemed to have been g and either personally delivered or deposited in d mail, postage prepaid, return receipt required, or the transmission, addressed as follows:
	<u>District</u>	Contractor
	School District	Name:
	ATTN:	ATTN:
	[ADDRESS]	[ADDRESS]
	[E - MAIL]	[E - MAIL]

Any notice personally given or sent by facsimile transmission shall be effective upon receipt. Any notice sent by overnight delivery service shall be effective the business day next following delivery to the overnight delivery service. Any notice given by mail shall be effective three (3) days after deposit in the United States mail.

- 11. Contractor shall guarantee all labor and material used in the performance of this Contract for a period of one year from the date of the District's written approval of the Work or as provided in the job specifications.
- 12. This Contract incorporates by this reference the Terms and Conditions attached hereto. Contractor, by executing this Contract, agrees to comply with all the Terms and Conditions.
- 13. Each party has the full power and authority to enter into and perform this Contract, and the person signing this Contract on behalf of each party has been properly authority and empowered to enter into this Contract.
- 14. By signing this Agreement, Contractor certifies, under penalty of perjury, that all the information provided in the Contract Documents is true, complete, and correct.

AC	CEP	TED	AND	AGREED	on the	date	indicated	below
----	-----	-----	-----	--------	--------	------	-----------	-------

Dated:	, 20	Dated:	20
	School District	Contractor:	
Signature:		Signature:	
Print Name:		Print Name:	
Print Title:		Print Title:	
Address:		Address:	
Telephone:		Telephone:	
Facsimile:		Facsimile:	
E-Mail:		E-Mail:	
Information regarding Con	tractor:		
License No.:		·	:
Address:		Employer Identification a Social Security Number	
Telephone:		NOTE: Section 6041 o Revenue Code (26 U.S Section 1.6041-1 of Tit	S.C. 6041) and
Facsimile:		Code of Federal Regu C.F.R. 1.6041-1) requir	es the
E-Mail:		recipients of \$600.00 of furnish their taxpayer to the payer. In order to with these requirements	information to comply

District requires the Contractor to furnish the information requested in this

section.

Type of Business Entity:	
Individual	Other:
Sole Proprietorship	
Partnership	
Limited Partnership	
Corporation, State:	
Limited Liability Comp	any

#### TERMS AND CONDITIONS TO CONTRACT

- 1. **NOTICE TO PROCEED:** District shall provide a Notice to Proceed to Contractor pursuant to the Contract at which time Contractor shall proceed with the Work.
- 2. **STANDARD OF CARE:** Contractor shall perform, diligently prosecute and complete the Work in a good and workmanlike manner within the Contract Time, and in strict conformity with all Contract Documents.
- 3. **SITE EXAMINATION:** Contractor has examined the Site and certifies that it accepts all measurements, specifications and conditions affecting the Work to be performed at the Site. By submitting its quote, Contractor warrants that it has made all Site examination(s) that it deems necessary as to the condition of the Site, its accessibility for materials, workers and utilities, and Contractor's ability to protect existing surface and subsurface improvements. No claim for allowance of time or money will be allowed as to any other undiscovered condition on the Site.
- 4. **PERMITS. LICENSES AND REGISTRATION:** Contractor and all of its employees, agents, and subcontractors shall secure and maintain in force, at Contractor's sole cost and expense, all licenses, registration and permits as are required by law, in connection with the furnishing of materials, supplies, or services herein listed.
- 5. **PROJECT INSPECTION CARD:** Contractor shall verify that forms DSA 152 Project Inspection Card (or current version) are issued for the Project prior to commencement of construction.
- 6. **NOTIFICATION:** Contractor shall notify the Architect and Project Inspector, in writing, of the commencement and completion of construction of each and every aspect of the work at least 48 hours in advance by submitting form DSA 156 (or the most current version) to the Project Inspector. Forms are available on the DSA's website at: <a href="http://www.dgs.ca.gov/dsa/Forms.aspx">http://www.dgs.ca.gov/dsa/Forms.aspx</a>.
- 7. **EQUIPMENT AND LABOR:** Contractor shall furnish all tools, equipment, apparatus, facilities, transportation, labor, and material necessary to furnish the services herein described, the services to be performed at such times and places as directed by and subject to the approval of the authorized District representative indicated in the Work specifications attached hereto.
- 8. **SUBSTITUTIONS:** No substitutions of material from those specified in the Work Specifications shall be made without the prior written approval of the District. Contractor shall be responsible for any re-design costs occasioned by District's acceptance and/or approval of any substitute, as well as any costs that the District incurs for professional services, including DSA fees. District may deduct those costs from any amounts owing to Contractor for the review of the request for substitution, even if the request for substitution is not approved. Contractor shall, in the event that a substitute is less costly than that specified, credit the District with one-hundred percent (100%) of the net difference between the substitute and the originally specified material.

- 9. **INDEPENDENT CONTRACTOR STATUS:** While engaged in carrying out the Services of this Contract, the Contractor is an independent contractor, and not an officer, employee, agent, partner, or joint venture of the District. Contractor shall be solely responsible for its own Worker's Compensation insurance, taxes, and other similar charges or obligations. Contractor shall be liable for its own actions, including its negligence or gross negligence, and shall be liable for the acts, omissions, or errors of its agents or employees.
- 10. **CONTRACTOR SUPERVISION:** Contractor shall provide competent supervision of personnel employed on the job Site, use of equipment, and quality of workmanship.
- 11. **WORKERS:** Contractor shall at all times enforce strict discipline and good order among its employees and the employees of its subcontractors and shall not employ or work any unfit person or anyone not skilled in work assigned to him or her. Any person in the employ of the Contractor or a subcontractor whom the District may deem incompetent or unfit shall be dismissed from the Site and shall not again be employed at Site without written consent from the District.
- 12. **SUBCONTRACTORS:** Subcontractors, if any, engaged by the Contractor for any Service or Work under this Contract shall be subject to the approval of the District. Contractor agrees to bind every subcontractor by the terms of the Contract as far as such terms are applicable to subcontractor's work, including, without limitation, all indemnification, insurance, bond, and warranty requirements. If Contractor shall subcontract any part of this Contract, Contractor shall be fully responsible to the District for acts and omissions of its subcontractor and of persons either directly or indirectly employed by itself. Nothing contained in the Contract Documents shall create any contractual relations between any subcontractor and the District.
- 13. **SAFETY AND SECURITY:** Contractor is responsible for maintaining safety in the performance of this Contract. Contractor shall be responsible to ascertain from the District the rules and regulations pertaining to safety, security, and driving on school grounds, particularly when children are present.
- 14. **FINGERPRINTING OF EMPLOYEES**: Contractor shall comply with the provisions of Education Code section 45125.1 regarding the submission of employee fingerprints to the California Department of Justice and the completion of criminal background investigations of its employees. Contractor shall not permit any employee to have any contact with District pupils until such time as the Contractor has verified in writing to the governing board of the District that the employee has not been convicted of a felony, as defined in Education Code section 45122.1. Contractor's responsibility shall extend to all employees, subcontractors, agents, and employees or agents of subcontractors regardless of whether those individuals are paid or unpaid, concurrently employed by the District, or acting as independent contractors of the Contractor. Unless the District determines that the Contractor will have limited contact with students, verification of compliance with this section and the Criminal Background Investigation Certification required with this Contract shall be provided to the District prior to Contractor performing any portion of the Work.
- 15. **TRENCH SHORING:** If this Contract is in excess of \$25,000 and is for the excavation of any trench deeper than five (5) feet, Contractor must submit and obtain District acceptance, in advance of excavation, of a detailed plan showing the design of shoring, bracing, sloping, or other provisions to be made for worker protection from the hazard of caving ground during the excavation of such trench or trenches. If the plan varies from the shoring system standards, the plan shall be prepared by a registered civil or structural engineer.
- 16. **EXCAVATIONS OVER FOUR FEET**: If this Contract includes excavations over four (4) feet,

Contractor shall promptly, and before the following conditions are disturbed, notify the District, in writing, of any: (1) Material that the Contractor believes may be material that is hazardous waste, as defined in Section 25117 of the Health and Safety Code, that is required to be removed to a Class I, Class II, or Class III disposal site in accordance with provisions of existing law; (2) Subsurface or latent physical conditions at the site differing from those indicated; or (3) Unknown physical conditions at the site of any unusual nature, different materially from those ordinarily encountered and generally recognized as inherent in work of the character provided for in the Contract. The District shall promptly investigate the conditions, and if it finds that the conditions do materially so differ, or do involve hazardous waste, and cause a decrease or increase in the Contractor's cost of, or the time required for, performance of any part of the Work shall issue a change order under the procedures described in the Contract. In the event that a dispute arises between the District and the Contractor whether the conditions materially differ, or involve hazardous waste, or cause a decrease or increase in the Contractor's cost of, or time required for, performance of any part of the work, the Contractor shall not be excused from any scheduled completion date provided for by the contract, but shall proceed with all Work to be performed under the contract. The Contractor shall retain any and all rights provided either by Contract or by law which pertain to the resolution of disputes and protests between the contracting parties.

- 17. **LEAD-BASED PAINT:** Pursuant to the Lead-Safe Schools Protection Act (Education Code Section 32240 et seq.) and other applicable law, no lead-based paint, lead plumbing and solders, or other potential sources of lead contamination shall be utilized on this Project, and only trained and state-certified contractors, inspectors and workers shall undertake any action to abate existing risk factors for lead. Pursuant to the Renovation, Repair and Painting Rule (title 40 of the Code of Federal Regulations part 745 (40 CFR 745)), all contractors who disturb lead-based paint in a sixsquare-foot area or greater indoors or a 20-square-foot area outdoors must be trained by an EPAaccredited provider and certified by the EPA. Contractor must execute the Lead-Based Paint Certification, if applicable.
- 18. **CLEAN UP:** Debris shall be removed from the Premises. The Site shall be in order at all times when work is not actually being performed and shall be maintained in a reasonably clean condition.
- 19. **PROTECTION OF WORK AND PROPERTY:** Contractor shall erect and properly maintain at all times, as required by conditions and progress of the Work, all necessary safeguards, signs, barriers, lights, and security persons for protection of workers and the public, and shall post danger signs warning against hazards created by the Work. In an emergency affecting life and safety of life or of Work or of adjoining property, Contractor, without special instruction or authorization from District, is permitted to act at his discretion to prevent such threatened loss or injury.
- 20. **FORCE MAJEURE:** The Contractor shall be excused from performance hereunder during the time and to the extent that it is prevented from obtaining delivery, or performing by act of God, fire, strike, loss, or shortage of transportation facilities, lock-out, commandeering of materials, product, plant, or facilities by the government, when satisfactory evidence thereof is presented to the District, provided that it is satisfactorily established that the non-performance is not due to the fault or neglect of the Contractor.
- 21. **CORRECTION OF ERRORS:** Contractor shall perform, at its own cost and expense and without reimbursement from the District, any work necessary to correct errors or omissions which are caused by the Contractor's failure to comply with the standard of care required herein.

- 22. **ACCESS TO WORK:** District representatives, Architect, and Project Inspector shall at all time have access to the Work wherever it is in preparation or in progress. Contractor shall provide safe and proper facilities for such access.
- 23. **OCCUPANCY:** District reserves the right to occupy buildings at any time before formal Contract completion and such occupancy shall not constitute final acceptance or approval of any part of the Work covered by this Contract, nor shall such occupancy extend the date specified for completion of the Work.
- 24. **PAYMENT:** On a monthly basis, Contractor shall submit an application for payment based upon the estimated value for materials delivered or services performed under the Contract as of the date of submission ("Application for Payment"). Within thirty (30) days after District's approval of the Application for Payment, Contractor shall be paid a sum equal to ninety-five percent (95%) of the value of the Work performed (as verified by Architect and Inspector and certified by Contractor) up to the last day of the previous month, less the aggregate of previous payments and amount to be withheld. The District may withhold or deduct from any payment an amount necessary to protect the District from loss because of: (1) liquidated damages which have accrued as of the date of the application for payment; (2) any sums expended by the District in performing any of Contractor's obligations under the Contract which Contractor has failed to perform or has performed inadequately; (3) defective Work not remedied; (4) stop payment notices as allowed by state law; (5) reasonable doubt that the Work can be completed for the unpaid balance of the Total Contract price or by the scheduled completion date; (6) unsatisfactory prosecution of the Work by Contractor; (7) unauthorized deviations from the Contract; (8) failure of the Contractor to maintain or submit on a timely basis proper and sufficient documentation as required by the Contract or by District during the prosecution of the Work; (9) erroneous or false estimates by the Contractor of the value of the Work performed; (10) any sums representing expenses, losses, or damages, as determined by the District, incurred by the District for which Contractor is liable under the Contract; and (11) any other sums which the District is entitled to recover from Contractor under the terms of the Contract or pursuant to state law, including section 1727 of the California Labor Code. The failure by the District to deduct any of these sums from a progress payment shall not constitute a waiver of the District's right to such sums. The District shall retain five percent (5%) from all amounts owing as retention. Retention shall be paid pursuant to Public Contract Code sections 7107, 7200 and 7201.
- 25. **CHANGE IN SCOPE OF WORK:** Any change in the scope of the Work, method of performance, nature of materials or price thereof, or any other matter materially affecting the performance or nature of the Work shall not be paid for or accepted unless such change, addition, or deletion is approved in advance and in writing by a valid change order executed by the District. Contractor specifically understands, acknowledges, and agrees that the District shall have the right to request any alterations, deviations, reductions, or additions to the Project or Work, and the cost thereof shall be added to or deducted from the amount of the Contract Price by fair and reasonable valuations. Contractor also agrees to provide the District with all information requested to substantiate the cost of the change order and to inform the District whether the Work will be done by the Contractor or a subcontractor. In addition to any other information requested, Contractor shall submit, prior to approval of the change order, its request for a time extension (if any), as well as all information necessary to substantiate its belief that such change will delay the completion of the Work. If Contractor fails to submit its request for a time extension or the necessary supporting information, it shall be deemed to have waived its right to request such extension.
- 26. **INDEMNIFICATION:** To the furthest extent permitted by California law, Contractor agrees to defend, indemnify, and hold harmless District, its officers, agents, employees, and/or volunteers

from any and all claims, demands, losses, damages and expenses, including legal fees and costs, or other obligations or claims arising out of any liability or damage to person or property, or any other loss, sustained or claimed to have been sustained arising out of activities of the Contractor or those of any of its officers, agents, employees, or subcontractors of Contractor, whether such act or omission is authorized by this Agreement or not. Contractor shall also pay for any and all damage to the Real and Personal Property of the District, or loss or theft of such Property, done or caused by such persons. District assumes no responsibility whatsoever for any property placed on District premises by Contractor, Contractor's agents, employees or subcontractors. Contractor further hereby waives any and all rights of subrogation that it may have against the District. The District shall have the right to accept or reject any legal representation that Contractor proposes to defend the District. The provisions of this Indemnification do not apply to any damage or losses caused solely by the negligence of the District or any of its officers, agents, employees, and/or volunteers.

- 27. **CONTRACTOR'S INSURANCE:** Contractor, at its own cost and expense, shall procure and maintain during the term of this Contract, policies of insurance for the following types of coverage
  - 27.1 Workers' Compensation and Employers' Liability Insurance. Contractor shall procure and maintain, during the term of this Agreement, Workers' Compensation Insurance, as required by California law, on all of its employees engaged in work related to the performance of this Agreement. In the case of any such work which is subcontracted, Contractor shall require all subcontractors to provide Workers' Compensation Insurance for all of the subcontractor's employees to be engaged in such work unless such employees are covered by the protection afforded by the Contractor's Workers' Compensation Insurance.

Contractor and all subcontractors shall procure and maintain, during the term of this Agreement Employers' Liability insurance of \$1,000,000.

27.2 Commercial General Liability Insurance. Contractor shall procure and maintain, during the term of this Agreement, not less than the following General Liability Insurance coverage:

	Each Occurrence	<u>Aggregate</u>
Low Risk Projects	\$ 1,000,000.00	\$ 2,000,000.00
Intermediate Risk	\$ <del>2,000,000.00</del>	\$ <del>4,000,000.00</del>
High Risk	\$ <del>5,000,000.00</del>	\$ 10,000,000.00

Commercial General Liability insurance shall include products/completed operations, broad form property damage, and personal and advertising injury coverage.

Any and all subcontractors hired by Contractor in connection with the Services described in this Contract shall maintain such insurance unless the Contractor's insurance covers the subcontractor and its employees.

27.3 Automobile Liability. If vehicles will be driven on district property, Contractor shall procure and maintain, during the full term of this Agreement following Automobile Liability Insurance with the following minimum coverage limits:

Personal vehicles: \$500,000.00 combined single limit or

\$ 100,000.00 per person / \$300,000.00 per accident

Commercial vehicles: \$1,000,000.00 combined single limit

Contractor's and any and all subcontractor's Commercial Automobile Liability Insurance shall name the District, its employees, and school board members as additional insureds.

- 27.4 <u>Builder's Risk.</u> District shall procure and maintain, during the term of this Contract, Builders' Risk coverage.
- 27.5 Other Coverage as Dictated by the District. Contractor shall procure and maintain, during the term of this Agreement, the following other Insurance coverage:

	Each Occurrence	Aggregate
☐ Pollution Liability	\$ 1,000,000.00	\$ 2,000,000.00
□ Other:	\$	\$

27.6 Certificates of Insurance. Contractor and any and all subcontractors working for Contractor shall provide certificates of insurance to the District as evidence of the insurance coverage required herein, not less than fifteen (15) days prior to commencing work for the District, and at any other time upon the request of the District. Certificates of such insurance shall be filed with the District on or before commencement of the services under this Agreement.

Contractor's and any and all Contractor subcontractor's Commercial General Liability insurance shall name the District, its employees, and school board members; the Architect; and the Project Manager as additional insureds. The Contractor's policy(ies) shall be primary; any insurance carried by the District, other than Builder's Risk, shall only be secondary and supplemental.

Insurance written on a "claims made" basis is to be renewed by the Contractor and all Contractor subcontractors for a period of five (5) years following termination of this Agreement. Such insurance must have the same coverage and limits as the policy that was in effect during the term of this agreement, and will cover the Contractor for all claims made.

The policy(ies) shall not be amended or modified and the coverage amounts shall not be reduced without thirty (30) days written notice to the District prior to cancellation.

27.7 Failure to Procure Insurance. Failure on the part of Contractor, or any of its subcontractors, to procure or maintain required insurance shall constitute a material breach of contract under which the District may immediately terminate this Contract.

28. **PAYMENT BOND AND PERFORMANCE BOND:** Contractor shall not commence the Work until it has provided to the District, in a form acceptable to the District, a Payment (Labor and Material)

Bond and a Performance Bond, each in an amount equivalent to one hundred percent (100%) of the Contract Price issued by a surety admitted to issue bonds in the State of California and otherwise acceptable to the District.

- 29. **WARRANTY/QUALITY:** Unless a longer warranty is called for elsewhere in the Contract Documents, the Contractor, manufacturer, or their assigned agents shall guarantee the workmanship, product or service performed against defective workmanship, defects or failures of materials for a minimum period of one (1) year from filing the Notice of Completion with the county in which the Site is located. All workmanship and merchandise must be warranted to be in compliance with applicable California energy, conservation, environmental, and educational standards.
- 30. **CONFIDENTIALITY:** The Contractor shall maintain the confidentiality of all information, documents, programs, procedures, and all other items that Contractor encounters while performing the Contractor's Services to the extent allowed by law. This requirement shall be ongoing and shall survive the expiration or termination of this Contract and specifically includes all student, parent, and disciplinary information.
- 31. **COMPLIANCE WITH LAWS:** Contractor shall give all notices and comply with all laws, ordinance, rules and regulations bearing on conduct of the Work as indicated or specified. If Contractor observes that any of the Work required by this Contract is at variance with any such laws, ordinance, rules or regulations, Contractor shall notify the District, in writing, and, at the sole option of the District, any necessary changes to the scope of the Work shall be made and this Contract shall be appropriately amended in writing, or this Contract shall be terminated effective upon Contractor's receipt of a written termination notice from the District. If Contractor performs any work that is in violation of any laws, ordinances, rules or regulations, without first notifying the District of the violation, Contractor shall bear all costs arising therefrom.
- 32. **LABOR CODE REQUIREMENTS**: The Contractor shall comply with all applicable provisions of the California Labor Code, Division 3, Part 7, Chapter 1, Articles 1 5, including, without limitation, the payment of the general prevailing per diem wage rates for public work projects of more than one thousand dollars (\$1,000). Copies of the prevailing rate of per diem wages are on file with the District. In addition, the Contractor and each subcontractor shall comply with Chapter 1 of Division 2, Part 7 of the California Labor Code, beginning with Section 1720, and including Section 1735, 1777.5 and 1777.6, forbidding discrimination, and Sections 1776, 1777.5 and 1777.6 concerning the employment of apprentices by Contractor or subcontractors. Willful failure to comply may result in penalties, including loss of the right to bid on or receive public works contracts.
  - 32.1 **State Labor Compliance**: Contractor shall perform the Work of the Project while complying with all the applicable regulations, including section 16000, et seq., of Title 8 of the California Code of Regulations and is subject to State labor compliance monitoring and enforcement by the Compliance Monitoring Unit of the Department of Industrial Relations.
  - 32.2 **Certified Payroll Records**: Contractor and its subcontractor(s) shall keep accurate certified payroll records of employees and shall electronically submit certified payroll records directly to the Labor Commissioner weekly and within ten (10) days of any request by the District or the Labor Commissioner in accordance with section 16461 of Title 8 of the California Code of Regulations.
- 33. **ANTI-DISCRIMINATION:** It is the policy of the District that in connection with all work performed under Contracts there be no discrimination against any employee engaged in the work

because of race, color, ancestry, national origin, religious creed, physical disability, medical condition, marital status, sexual orientation, gender, or age and therefore the Contractor agrees to comply with applicable Federal and California laws including, but not limited to the California Fair Employment Practice Act beginning with Government Code Section 12900 and Labor Code Section 1735. In addition, the Contractor agrees to require like compliance by all its subcontractor(s).

- 34. **DISABLED VETERAN BUSINESS ENTERPRISES:** Section 17076.11 of the Education Code requires school districts using funds allocated pursuant to the State of California School Facility Program for the construction or modernization of a school building (SFP Funds) to have a participation of at least three percent (3%), per year, of the overall dollar amount expended each year by the school district, for disabled veteran business enterprises (DVBE). If this Contract uses SFP Funds, Contractor must submit, with its executed Contract, appropriate documentation to the District identifying the steps Contractor has taken to solicit DVBE participation in conjunction with this Contract.
- 35. **ANTI-TRUST CLAIM**: Contractor and its subcontractor(s) agree to assign to the District all rights, title, and interest in and to all causes of action they may have under Section 4 of the Clayton Act (15 U.S.C. Sec. 15) or under the Cartwright Act (Chapter 2 (commencing with Section 16700) of Part 2 of Division 7 of the Business and Professions Code), arising from purchases of goods, services, or materials pursuant to the Contract or a subcontract. This assignment shall be made and become effective at the time the District tenders final payment to the Contractor, without further acknowledgment by the parties.
- 36. **DISPUTES**: In the event of a dispute between the parties as to performance of the Work, the interpretation of this Contract, or payment or nonpayment for work performed or not performed. the parties shall attempt to resolve the dispute by those procedures set forth in Public Contract Code section 20104, et seq., if applicable. Pending resolution of the dispute, Contractor agrees it will neither rescind the Contract nor stop the progress of the Work, but will allow determination by the court of the State of California, in the county in which the District's administration office is located, having competent jurisdiction of the dispute. All claims of over \$375,000, which are outside the scope of Public Contract Code section 20104, et seg., may be determined by mediation if mutually agreeable, otherwise by litigation. Notice of the demand for mediation of a dispute shall be filed in writing with the other party to the Contract. The demand for mediation of any claim of over \$375,000 shall be made within a reasonable time after written notice of the dispute has been provided to the other party, but in no case longer than ninety (90) days after initial written notice, and the demand shall not be made later than the time of Contractor submission of the request for final payment. If a claim, or any portion thereof, remains in dispute upon satisfaction of all applicable dispute resolution requirements, the Design-Builder shall comply with all claims presentation requirements as provided in Chapter 1 (commencing with section 900) and Chapter 2 (commencing with section 910) of Part 3 of Division 3.6 of Title 1 of Government Code as a condition precedent to the Contractor's right to bring a civil action against the District. For purposes of those provisions, the running of the time within which a claim must be presented to the District shall be tolled from the time the claimant submits its written claim until the time the claim is denied, including any time utilized by any applicable meet and confer process.
- 37. **ATTORNEY FEES/COSTS:** Should litigation be necessary to enforce any terms or provisions of this Agreement, then each party shall bear its own litigation and collection expenses, witness fees, court costs and attorney's fees.
- 38. **TERMINATION:** If Contractor fails to perform the Services and Contractor's duties to the satisfaction of the District, or if Contractor fails to fulfill in a timely and professional manner Contractor's obligations under this Contract, or if Contractor violates any of the terms or

provisions of this Contract, District shall have the right to terminate this Contract effective immediately upon the District giving written notice thereof to the Contractor. The Contractor and its performance bond surety, if any, shall be liable for all damages caused to the District by reason of the Contractor's failure to perform and complete the Contract. District shall also have the right in its sole discretion to terminate the Contract for its own convenience upon District giving three (3) days written notice thereof to the Contractor. In case of a termination for convenience, Contractor shall be paid for the actual cost for labor, materials, and services performed that is unpaid and can be documented through timesheets, invoices, receipts, or otherwise, and five percent (5%) of the total cost of Work performed as of the date of termination, or five percent (5%) of the value of the Work yet to be performed, whichever is less. This five percent (5%) shall be full compensation for all of Contractor's and its subcontractor(s)' mobilization and/or demobilization costs and any anticipated loss profits resulting from termination of the Contractor for convenience. Termination shall have no effect upon any of the rights and obligations of the parties arising out of any transaction occurring prior to the effective date of termination.

- 39. **ASSIGNMENT OF CONTRACT:** Contractor shall not assign or transfer in any way any or all of its rights, burdens, duties, or obligations under this Contract without the prior written consent of the District.
- 40. **TIME IS OF THE ESSENCE:** Time is of the essence in the performance of and compliance with each of the provisions and conditions of this Contract.
- 41. **CALCULATION OF TIME:** For the purposes of this Contract, "days" refers to calendar days unless otherwise specified.
- 42. **GOVERNING LAW AND VENUE:** Contractor hereby acknowledges and agrees that District is a public entity, which is subject to certain requirements and limitations. This Contract and the obligations of District hereunder are subject to all applicable federal, state and local laws, rules, and regulations, as currently written or as they may be amended from time to time. This Contract shall be interpreted in accordance with the laws of the State of California. If any action is brought to interpret or enforce any term of this Contract, the action shall be brought in state or federal court situated in the County of Ventura, State of California. Contractor hereby waives and expressly agrees not to assert, claim or allege, in any way, that it is not subject to the personal jurisdiction of the courts named above. Contractor further agrees to waive any claim or allegation that the suit, action, or proceeding is either brought in an inconvenient forum or that the related venue is improper.
- 43. **BINDING CONTRACT:** This Contract shall be binding upon the parties hereto and upon their successors and assigns, and shall inure to the benefit of said parties and their successors and assigns.
- 44. **DISTRICT WAIVER:** District's waiver of any term, condition, covenant or waiver of a breach of any term, condition or covenant shall not constitute the waiver of any other term, condition or covenant or the waiver of a breach of any other term, condition or covenant.
- 45. **CAPTIONS AND INTERPRETATIONS:** Paragraph headings in this Contract are used solely for convenience, and shall be wholly disregarded in the construction of this Contract. No provision of this Contract shall be interpreted for or against a party because that party or its legal representative drafted such provision, and this Contract shall be construed as if jointly prepared by the parties.
- 46. **INVALID TERM:** If any provision of this Contract is declared or determined by any court of

competent jurisdiction to be illegal, invalid or unenforceable, the legality, validity or enforceability of the remaining parts, terms and provisions shall not be affected thereby, and said illegal, unenforceable or invalid part, term or provision will be deemed not to be a part of this Contract.

- 47. **PROVISIONS REQUIRED BY LAW DEEMED INSERTED:** Each and every provision of law and clause required by law to be inserted in this Contract shall be deemed to be inserted herein and this Contract shall be read and enforced as though it were included therein.
- 48. **ENTIRE CONTRACT:** This Contract sets forth the entire Contract between the parties hereto and fully supersedes any and all prior agreements, understanding, written or oral, between the parties hereto pertaining to the subject matter thereof. This Contract may be modified only by a writing upon mutual consent.

# **DOCUMENT 00410**

# **BID BOND**

KNOW ALL MEN BY THESE PRESENTS: THAT we,, as
Principal, and
THE CONDITION OF THIS OBLIGATION IS SUCH that whereas the Principal has submitted the accompanying bid dated, 20 for
NOW, THEREFORE, if the Principal shall not withdraw said bid within the period specified therein after the opening of the same, or, if no period be specified, within sixty (60) days after said opening; and, if the Principal be awarded the contract, and shall within the period specified therefore, or, if no period be specified, within five (5) days after the prescribed forms are presented to him for signature, enter into a written contract with the District, in accordance with the bid as accepted and give bond with good and sufficient surety or sureties, as may be required, for the faithful performance and proper fulfillment of such contract and for the payment for labor and materials used for the performance of the contract, or in the event of the withdrawal of said bid within the period specified or the failure to enter into such contract and give such bonds within the time specified, if the Principal shall pay the District the difference between the amount specified in said bid and the amount for which the District may procure the required work and/or supplies, if the latter amount be in excess of the former, together with all costs incurred by the District in again calling for bids, then the above obligation shall be void and of no effect, otherwise to remain in full force and virtue.
Surety, for value received, hereby stipulates and agrees that no change, extension of time, alteration or addition to the terms of the contract on the call for bids, or to the work to be performed thereunder, or the specifications accompanying the same, shall in anywise affect its obligation under this bond, and it does hereby waive notice of any such change, extension of time, alteration or addition to the terms of said contract or the call for bids, or to the work, or to the specifications.
In the event suit is brought upon this bond by the District and judgment is recovered, the Surety shall pay all litigation expenses incurred by the District in such suit, including reasonable attorneys' fees, court costs, expert witness fees and investigation expenses.
IN WITNESS WHEREOF, the above-bound parties have executed this instrument under their several seals this day of, 20, the name and corporate seal of each corporate party being hereto affixed and these presents duly assigned by its undersigned representative, pursuant to authority of its governing body.
(Corporate Seal)
PRINCIPAL
By: Title:
SURETY:
By:
Attorney-in Fact
(Attach Attorney-in-Fact Certificate)

# DOCUMENT 00430 DESIGNATION OF SUBCONTRACTORS

In compliance with the Subletting and Subcontracting Fair Practices Act (chapter 4 (commencing at section 4100), part 1, division 2 of the Public Contract Code of the State of California) and any amendments thereof, each bidder shall set forth below: (a) the name and the location of the place of business of each subcontractor who will perform work or labor or render service to the prime contractor in or about the construction of the work or improvement to be performed under this contract or a subcontractor licensed by the State of California who, under subcontract to the prime contractor, specially fabricates and installs a portion of the work or improvement according to detailed drawings contained in the plans and specifications in an amount in excess of one-half of one percent of the prime contractor's total bid and (b) the portion of the work which will be done by each subcontractor under this contract. The prime contractor shall list only one subcontractor for each such portion as is defined by the prime contractor in this bid.

If a prime contractor fails to specify a subcontractor or if a prime contractor specifies more than one subcontractor for the same portion of work to be performed under the contract in excess of one-half of one percent of the prime contractor's total bid, he shall be deemed to have agreed that he is fully qualified to perform that portion himself, and that he shall perform that portion himself.

No prime contractor whose bid is accepted shall (a) substitute any subcontractor, (b) permit any subcontract to be voluntarily assigned or transferred or allow it to be performed by any one other than the original subcontractor listed in the original bid, or (c) sublet or subcontract any portion of the work in excess of one-half of one percent of the prime contractor's total bid as to which his original bid did not designate a subcontractor, except as authorized in the Subletting and Subcontracting Fair Practices Act. Subletting or subcontracting of any portion of the work in excess of one-half of one percent of the prime contractor's total bid as to which no subcontractor was designated in the original bid shall only be permitted in cases of public emergency or necessity, and then only after a finding reduced to writing as a public record of the authority awarding this contract setting forth the facts constituting the emergency or necessity.

In addition to providing the information required by this form prior to the bid opening, bidder shall be required to submit the addresses, telephone numbers, and license numbers of all listed subcontractors within one business day of the bid opening. Failure to provide the foregoing information within the time limit specified may result in the rejection of the bid as nonresponsive.

Subcontractor Name	Portion of Work	Location and Place of Business
Proper Name of Bidder		
By		

# **SECTION 00431**

# CERTIFICATION OF CONTRACTOR AND SUBCONTRACTOR DIVISION OF INDUSTRIAL RELATIONS REGISTRATION (DIR)

I			certify that
	(Name)	(Title)	
	(Contractor Name)	is currently registered as a contractor with the De	partment of Industrial
Relation	ns (DIR):		
	Contractor's DIR Registration Num	nber	
	Expiration date June 30, 20		
Contrac	ct further acknowledges:		
1. 2. 3. 4. 5.	Contractor shall note in its invitation subcontractors.  Contractor shall ensure that all sustatus for the duration of the project Contractor is to furnish DIR Regist bid opening.	stered status for the duration of the project without a gon to bid the DIR's registration requirement for all subscontractors are registered at time of bid opening and ct.  Stration Number for all subcontractors on the project vertices with a DIR registered contractor if list	ocontractors and their and maintain registered within 24 hours of the
Failure	to comply with any of the above may	y result in a determination of non-responsiveness.	
I declar	e under penalty of perjury under Cal	lifornia law that the foregoing is true and correct.	
Signatu	re		

Date

# DOCUMENT 00480 NONCOLLUSION AFFIDAVIT

(To be executed by Bidder and submitted with bid)

State of California	)			
County of	)			
	(Name) , being firs	t duly swor	n, deposes and sa	ays that he is
the	(	(Title) of the	e	(Name)
party making the attached	d bid; that the bid is no	t made in th	ne interest of, or c	on behalf of, any
undisclosed person, partr	nership, company, ass	ociation, or	ganization, or cor	poration; that the
bid is genuine and not col	llusive or sham; that th	e bidder ha	as not directly or i	ndirectly induced or
solicited any other bidder	to put in a false or sha	am bid, and	has not directly o	or indirectly
colluded, conspired, conn	ived, or agreed with a	ny bidder o	r anyone else to p	out in a sham bid, or
that anyone shall refrain f	rom bidding; that the b	idder has r	not in any manner	, directly or
indirectly, sought by agree	ement, communication	, or confere	ence with anyone	to fix the bid price
of the bidder or any other	bidder, or to fix any ov	verhead, pr	ofit, or cost eleme	ent of the bid price,
or of that of any other bide	der, or to secure any a	dvantage a	against the public	body awarding the
contract of anyone interes	sted in the proposed co	ontract; tha	t all statements co	ontained in the bid
are true; and, further, that	the bidder has not, di	rectly or inc	directly, submitted	his or her bid price
or any breakdown thereof	, or the contents there	of, or divul	ged information o	r data relative
thereto, or paid, and will n	not pay, any fee to any	corporation	n, partnership, co	mpany, association,
organization, bid deposito	ory, or to any member	or agent the	ereof to effectuate	a collusive or
sham bid.				
I certify (or declare) under foregoing is true and corre		nder the la	ws of the State of	of California that the
Executed this day California.	of	, 20	_ at	,
Date:	Signature of Bidd	er		

**NONCOLLUSION AFFIDAVIT** 

# **PREVAILING WAGE CERTIFICATION**

I hereby certify that I will conform to the State of California Public Works Contract requirements regarding prevailing wages, benefits, on-site audits with 48-hours notice, payroll records, and apprentice and trainee employment requirements, for all Work on the above Project, including, without limitation, the State labor compliance monitoring and enforcement by the Compliance Monitoring Unit of the Department of Industrial Relations.

Date:	 	_
Name of Contractor:	 	_
Signature:	 	_
Print Name:	 	
Title:		

#### **WORKERS' COMPENSATION CERTIFICATION**

Labor Code section 3700 in relevant part provides:

Every employer except the State shall secure the payment of compensation in one or more of the following ways:

- a. By being insured against liability to pay compensation by one or more insurers duly authorized to write compensation insurance in this state.
- b. By securing from the Director of Industrial Relations a certificate of consent to self-insure, which may be given upon furnishing proof satisfactory to the Director of Industrial Relations of ability to self-insure and to pay any compensation that may become due to his employees.

I am aware of the provisions of section 3700 of the Labor Code which require every employer to be insured against liability for workers' compensation or to undertake selfinsurance in accordance with the provisions of that code, and I will comply with such provisions before commencing the performance of the Work of this Contract.

Date:	 
Name of Contractor:	 
Signature:	 
Print Name:	
Title:	

(In accordance with Article 5 - commencing at section 1860, chapter 1, part 7, division 2 of the Labor Code, the above certificate must be signed and filed with the awarding body prior to performing any Work under this Contract.)

#### CRIMINAL BACKGROUND INVESTIGATION CERTIFICATION

The undersigned does hereby certify to the governing board of the District as follows:

- That I am a representative of the Contractor under contract with the District;
- That I am familiar with the facts herein certified; and
- That I am authorized and qualified to execute this certificate on behalf of Contractor.

Contractor certifies that it has taken at least one of the following actions with respect to the construction Project that is the subject of the Contract (check all that applies):

The Contractor has complied with the fingerprinting requirements of Education Code section 45125.1 with respect to all Contractor's employees and all of its Subcontractors' employees who may have contact with District pupils in the course of providing services pursuant to the Contract, and the California Department of Justice has determined that none of those employees has been convicted of a felony, as that term is defined in Education Code section 45122.1. A complete and accurate list of Contractor's employees and of all of its subcontractors' employees who may come in contact with District pupils during the course and scope of the Contract is attached hereto; and/or

Pursuant to Education Code section 45125.2, Contractor has installed or will install, prior to commencement of Work, a physical barrier at the Work Site, that will limit contact between Contractor's employees and District pupils at all times; and/or

Pursuant to Education Code section 45125.2, Contractor certifies that all employees will be under the continual supervision of, and monitored by, an employee of the Contractor who the California Department of Justice has ascertained has not been convicted of a violent or serious felony. The name and title of the employee who will be supervising Contractor's employees and its subcontractors' employees is

Name	:		
Title:			

The Work on the Contract is at an unoccupied school site and no employee and/or subcontractor or supplier of any tier of Contract shall come in contact with the District pupils.

Contractor's responsibility for background clearance extends to all of its employees, Subcontractors, and employees of Subcontractors coming into contact with District pupils regardless of whether they are designated as employees or acting as independent contractors of the Contractor.

Date:	 	
Name of Contractor:	 	
Signature:		
Print Name:		
Title:		

#### **DOCUMENT 00845**

# CONTRACTOR'S CERTIFICATE REGARDING DRUG-FREE WORKPLACE

This Drug-Free Workplace Certification form is required from all successful bidders pursuant to the requirements mandated by Government Code sections 8350 et seq., the Drug-Free Workplace Act of 1990. The Drug-Free Workplace Act of 1990 requires that every person or organization awarded a contract or grant for the procurement of any property or service from any State agency must certify that it will provide a drug-free workplace by doing certain specified acts. In addition, the Act provides that each contract or grant awarded by a State agency may be subject to suspension of payment or termination of the contract or grant, and the Contractor or grantee may be subject to debarment from future contracting, if the contracting agency determines that specified acts have occurred.

Pursuant to Government Code section 8355, every person or organization awarded a contract or grant from a State agency shall certify that it will provide a drug-free workplace by doing all of the following:

- a) Publishing a statement notifying employees that the unlawful manufacture, distribution, dispensation, possession or use of a controlled substance is prohibited in the person's or organization's workplace and specifying actions which will be taken against employees for violations of the prohibition;
- b) Establishing a drug-free awareness program to inform employees about all of the following:
  - 1) The dangers of drug abuse in the workplace.
  - 2) The person's or organization's policy of maintaining a drug-free workplace.
  - 3) The availability of drug counseling, rehabilitation and employee-assistance programs.
  - 4) The penalties that may be imposed upon employees for drug abuse violations.
- c) Requiring that each employee engaged in the performance of the contract or grant be given a copy of the statement required by subdivision (a) and that, as a condition of employment on the contract or grant, the employee agrees to abide by the terms of the statement.

I, the undersigned, agree to fulfill the terms and requirements of Government Code section 8355 listed above and will publish a statement notifying employees concerning (a) the prohibition of controlled substance at the workplace, (b) establishing a drug-free awareness program, and (c) requiring that each employee engaged in the performance of the contract be given a copy of the statement required by section 8355(a) and requiring that the employee agrees to abide by the terms of that statement.

I also understand that if the District determines that I have either (a) made a false certification herein; or (b) violated this certification by failing to carry out the requirements of section 8355, that the contract awarded herein is subject to termination, suspension of payments, or both. I further understand that, should I violate the terms of the Drug-Free Workplace Act of 1990, I may be subject to debarment in accordance with the requirements of sections 8350 et seq.

I acknowledge that I am aware of the provisions of Government Code sections 8350 et seq. and hereby certify that I will adhere to the requirements of the Drug-Free Workplace Act of 1990.

Date:	
	Contractor
	Signature

# CONTRACTOR'S CERTIFICATE REGARDING ALCOHOLIC BEVERAGE AND TOBACCO-FREE CAMPUS POLICY

#### Project Name

The CONTRACTOR agrees that it will abide by and implement the DISTRICT's Alcoholic Beverage and Tobacco-Free Campus Policy, which prohibits the use of alcoholic beverages and tobacco products, at any time, on DISTRICT-owned or leased buildings, on DISTRICT property and in DISTRICT vehicles. The CONTRACTOR shall procure signs stating "ALCOHOLIC BEVERAGE AND TOBACCO USE IS PROHIBITED" and shall ensure that these signs are prominently displayed in all entrances to school property at all times.

DATE:		
	CONTRACTOR	
		•
	By:	
•	Signature	

#### ASBESTOS-FREE MATERIALS CERTIFICATION ...

2019 and s	1714, Nord submitted it 1	doff F to the	<u>ligh Scho</u> ∋ Ojai Un	ool Quad and Lib ified SCHOOL D	<u>rary</u> (Herein STRICT (he	after referred to ereinafter referred	ne bid for <u>Project</u> as the "Project", to as the "Owner"
the P comp a haz	To the bestroject, no mates posed of, any gardous mate	t of m terial mate rial. nder	y knowled furnished rials listed	lge, information a , installed or incor l by the federal or	nd belief, in opporated into state EPA o	the Project will co r federal or state h	ontractor'). ontractor's Work for ontain, or in itself be nealth agencies as a that the foregoing
20	Executed	on t		day		<u>.</u>	,
	,		Na	me of Contractor	(Print or Ty	pe)	
			Ву	: Signature			
	JURAT					Print Name	
				Title			·
	e of California						
Subs by perso	scribed and s on(s) who app	sworn  peare	to (or af	firmed) before m , proved to me or me.	e on this _ n the basis o	day of of satisfactory evid	, 20, dence to be the
	ryPublic in a State of Califo		r		_	Seal	
Му С	commission E	xpire	es:				

AGREEMENT CERTIFICATION: ASB. - 4

#### **DOCUMENT 00600**

#### **PERFORMANCE BOND**

KNOW ALL MEN BY THESE PRESENTS: That		
WHEREAS, the	_ School District (hereinafter designated as "Public Entity")	, by action
taken or a resolution passed	, 20, has awarded to, h	nereinafter
designated as the "Principal," a contract for the w	vork described as follows (check those that apply):	

# Landscape Project @ Nordhoff High School, Quad Area PROJECT NO. 2019-1714

(the "Project"); and

WHEREAS, said Principal is required under the terms of said contract to furnish a bond for the faithful performance of said contract.

NOW THEREFORE, we, the Principal and, as (surety name) Surety, are held and firmly bound unto the Public Entity in the penal sum of Dollars (\$ ) lawful money of the United States of America, for the payment of which sum well and truly to be made, we bind ourselves, our heirs, executors, administrators, successors and assigns, jointly and severally, firmly by these presents.

THE CONDITION OF THIS OBLIGATION IS SUCH that if the above bounded Principal, his or its heirs, executors, administrators, successors or assigns, shall in all things stand to and abide by and well and truly keep and perform, the covenants, conditions, and agreements in the said contract and any alteration thereof made as therein provided, on his or their part, to be kept and performed at the time and in the manner therein specified, and in all respects according to their true intent and meaning, and shall indemnify and save harmless the Public Entity, its officers and agents, as therein stipulated, then this obligation shall become null and void, otherwise, it shall be and remain in full force and virtue.

And the said Surety, for value received, hereby stipulates and agrees that no change, extension of time, alteration or addition to the terms of the contract or to the work to be performed thereunder, or the specifications accompanying the same, shall in anywise affect its obligation on this bond, and does hereby waive notice of any such change, extension of time, alteration, or addition to the terms of the contract, or to the work, or to the specifications.

In the event suit is brought upon this bond by the District and judgment is recovered, the Surety shall pay all litigation expenses incurred by the District in such suit, including attorneys' fees, court costs, expert witness fees and investigation expenses.

Performance Bond p. 1 of 2

IN WITNESS WHEREOF, this instrument haday of, 20	is been duly executed by the Principal and Surety above named, on the
PRINCIPAL	_
Ву:	_
SURETY	[Attach required acknowledgments]
By:Attorney-in-Fact	-

#### DOCUMENT 00610 PAYMENT BOND

KNOW ALL MEN BY THESE PRESENTS: That

WHEREAS, the \_\_\_\_\_\_\_ School District (hereinafter designated as "Public Entity"), by action taken or a resolution passed \_\_\_\_\_\_, 20\_\_\_\_, has awarded to \_\_\_\_\_\_\_, hereinafter designated as the "Principal," a contract for the work described as follows (check those that apply):

# Landscape Project @ Nordhoff High School, Quad Area PROJECT NO. 2019-1714

(the "Project"); and

WHEREAS, said Principal is required by Chapter 5 (commencing at Section 3225) and Chapter 7 (commencing at Section 3247), Title 15, Part 4, Division 3 of the California Civil Code to furnish a bond in connection with said contract:

NOW THEREFORE, we, the Principal and \_\_\_\_\_\_\_, as Surety, are held and firmly bound unto the Public Entity in the penal sum of \_\_\_\_\_\_\_, Dollars (\$\_\_\_\_\_\_\_)

lawful money of the United States of America, for the payment of which sum well and truly to be made, we bind ourselves, our heirs, executors, administrators, successors and assigns, jointly and severally, firmly by these presents.

THE CONDITION OF THIS OBLIGATION IS SUCH that if said Principal, his or its subcontractors, heirs, executors, administrators, successors or assigns, shall fail to pay (1) any of the persons named in Section 3181 of the California Civil Code, (2) amounts due under the Unemployment Insurance Code with respect to work or labor performed under the contract, or (3) for any amounts required to be deducted, withheld, and paid over to the Employment Development Department from the wages of employees of the contractor and his subcontractors pursuant to Section 13020 of the Unemployment Insurance Code, with respect to such work and labor the surety or sureties will pay for the same, in an amount not exceeding the sum hereinabove specified, and also, in case suit is brought upon this bond, all litigation expenses incurred by the Public Entity in such suit, including reasonable attorneys' fees, court costs, expert witness fees and investigation expenses.

This bond shall inure to the benefit of any of the persons named in Section 3181 of the California Civil Code so as to give a right of action to such persons or their assigns in any suit brought upon this bond.

Payment Bond p. 1 of 2

#### Name of Employer

manufacturer, distributor, or v		
Name	Employer	
	ationships with an architect, engineer, roofing consultant, ndor, or other person in connection with the following roo	
Name an	Address of Building, Contract Date and Number	
	Address of Building, Contract Date and Number y knowledge, the contents of this disclosure are true, or an	e believed
I certify that to the best of	<u> </u>	e believed

(c) Any person who knowingly provides false information or fails to disclose a financial relationship in the disclosure set forth in subdivision (b) shall be subject to a civil penalty in an amount up to one thousand dollars (\$1,000), in addition to any other available remedies. An action for a civil penalty under this provision may be brought by any public prosecutor in the name of the people of the State of California.

Print Name of Employer

It is further stipulated and agreed that the Surety on this bond shall not be exonerated or released from the obligation of this bond by any change, extension of time for performance, addition, alteration or modification in, to, or of any contract, plans, specifications, or agreement pertaining or relating to any scheme or work of improvement hereinabove described, nor by any fraud practiced by any person other than the claimant seeking to recover on the bond and that this bond be construed most strongly against the Surety and in favor of all persons for whose benefit such bond is given, and under no circumstances shall Surety be released from liability to those for whose benefit such bond has been given, by reason of any breach of contract between the owner or Public Entity and original contractor or on the part of any obligee named in such bond, but the sole conditions of recovery shall be that claimant is a person described in Section 3110 or 3112 of the California Civil Code, and has not been paid the full amount of his claim and that Surety does hereby waive notice of any such change, extension of time, addition, alteration or modification herein mentioned.

IN WITNESS WHEREOF, this instrument has bday of, 20	een duly executed by the Principal and Surety above named, on the
Principal	
By Surety	[Attach required acknowledgments]
By Attorney-in- Fact	

#### Nordhoff High School Library Remodel Scope of work: Project 2019-1714

The landscaping remodel of the existing Nordhoff High School Quad. This will include: grading, hardscape, and landscape with irrigation, and other Work indicated in the Contract Documents.

- 1. Nordhoff High School, 1401 Maricopa Highway, Ojai, CA 93023
  - a. Landscaping per plan including grading, hardscape and landscape

# OJAI UNIFIED SCHOOL DISTRICT NORDHOFF HIGH SCHOOL LIBRARY REMODEL LIBRARY QUAD

1401 MARICOPA HWY, OJAI, CA 93023

#### PROJECT DIRECTORY CONSTRUCTION SHALL COMPLY WITH THE FOLLOWING PARTS OF THE TITLE 24 OF OJAI UNIFIED SCHOOL DISTRICT 414 E. OJAI AVE OJAI, CA 93023 **ARCHITECT** ROESLING NAKAMURA TERADA ARCHITECTS, INC. 285 N VENTURA AVE, SUITE 102 VENTURA, CA 93001 **CATHERINE YOUNG** P: (805) 626-5330 GEOTECHNICAL ENGINEER EARTH SYSTEMS 1731 WALTER STREET, SUITE A VENTURA, CA 93003 PAT BOALES P: (805) 642-6727 **CIVIL ENGINEER** STANTEC 111 EAST VICTORIA STREET SANTA BARBARA CA 93101 WAYNE FITCH P: (805) 963-9532 LANDSCAPE ARCHITECT PACIFIC COAST LAND DESIGN 3639 E HARBOR BLVD #107 VENTURA, CA 93001 MIKE ZIELSDORF P: (805) 644-9697 STRUCTURAL ENGINEER NISHKIAN CHAMBERLAIN STRUCTURAL ENGINEERS 3710 S. ROBERTSON BLVD, SUITE 220 CULVER CITY, CA 90232 CRAIG CHAMBERLAIN P: (310) 853-7180 <u>MECHANICAL/PLYMBING</u> AÉ OROUP MECHANICAL ENGINEERS 838 EAST FRONT STREET VENTURA. CA 93001/ PHIL WHITE / of: (805) 653-1722 <u>ELECTRICAL/FIRE ALARM</u> LUCCI & ASSOCIATES 3251 CORTE MALPASO # 511 CAMARILLO, CA 93012 KENNETH/LUECI/ 1P: 18057389-6520 FIRE PROTECTION COLLINGS AND ASSOCIATES 260 MAPLE COURT, SUITE 241 VENTURA, CA. 93003 JACK/COLLINGS/ 个·(805) 658-0003/ **VICINITY MAP PROJECT** SITE MARICOPA HWY (33)

# **APPLICABLE CODES**

THE CALIFORNIA CODE OF REGULATIONS (CCR): 2016 CALIFORNIA BUILDING STANDARDS CODE: 2016 CALIFORNIA ADMINISTRATIVE CODE, C.C.R. TITLE 24 PART 2016 CALIFORNIA BUILDING CODE (CBC), C.C.R. TITLE 24 PART 2 2016 CALIFORNIA ELECTRICAL CODE (CEC), C.C.R. TITLE 24 PART ( 2016 CALIFORNIA MECHANICAL CODE (CMC), C.C.R. TITLE 24 PART 2016 CALIFORNIA PLUMBING CODE (CPC), C.C.R. TITLE 24 PART 5 2016 CALIFORNIA ENERGY CODE, C.C.R. TITLE 24 PART 6 2016 CALIFORNIA HISTORICAL CODE, C.C.R. TITLE 24 PART 8 2016 CALIFORNIA FIRE CODE, C.C.R. TITLE 24 PART 9 2016 CALIFORNIA EXISTING BUILDING CODE, C.C.R. TITLE 24 PART 10

2016 CALIFORNIA GREEN BUILDING STDS CODE, C.C.R. TITLE 24 PART 11 2016 CALIFORNIA REFERENCED STANDARDS CODE, C.C.R. TITLE 24 PART 12 TITLE 19 C.C.R., PUBLIC SAFETY, STATE FIRE MARSHAL REGULATIONS

2016 CBC (FOR SFM) REFERENCED STANDARDS CHAPTER 35

AUTOMATIC SPRINKLER SYSTEMS (CALIF. AMENDED). 2016 EDITION WET CHEMICAL EXTINGUISHING SYSTEMS, 2016 EDITION STATIONARY PUMPS, 2016 EDITION

NATIONAL FIRE ALARM CODE (CALIF. AMENDED), 2016 EDITION (NOTE SEE UL STANDARD 1971 FOR "VISUAL DEVICES") FIRE DOOR AND OTHER OPENING PROTECTIVES, 2016 EDITION CRITICAL RADIANT FLUX OF FLOOR COVERING SYSTEMS 2015 EDITION CLEAN AGENT FIRE EXTINGUISHING SYSTEMS (CALIF. AMENDED) NFPA 2001

2018 ED.

# **ARCHITECT'S STATEMENT OF GENERAL CONFORMANCE**

THE DRAWINGS OR SHEETS LISTED ON THE COVER SHEET OR INDEX

☐ THIS DRAWING, PAGE OR SPECIFICATION/CALCULATIONS

HAVE BEEN PREPARED BY OTHER DESIGN PROFESSIONALS OR CONSULTANTS WHO ARE LICENSED AND/OR AUTHORIZED TO PREPARE SUCH DRAWINGS IN THE STATE. IT HAS BEEN EXAMINED BY ME FOR: 1. DESIGN INTENT AND APPEARS TO MEET THE APPROPRIATE REQUIREMENTS OF TITLE 24, CALIFORNIA CODE OR REGULATIONS AND THE PROJECT SPECIFICATIONS PREPARED BY ME, AND 2. COORDINATION WITH MY PLANS AND SPECIFICATIONS AND IS ACCEPTABLE FOR INCORPORATION INTO THE CONSTRUCTION OF THE

**CERTIFY THAT** 

ALL DRAWINGS OR SHEETS LISTED ON THE COVER OR INDEX SHEET ☐ THIS DRAWING OR PAGE

IS/ARE IN GENERAL CONFORMANCE AND M HAVE BEEN COORDINATED

SIGNATURE ARCHITECT IN RESPONSIBLE CHARGE: LICENSE NUMBER:

**EXPIRATION DATE:** 

DATE TYSON CLINE C 34436

01/31/2019

8/16/2018

# **INSPECTOR OF RECORD**

A DSA CERTIFIED PROJECT INSPECTOR EMPLOYED BY THE DISTRICT AND APPROVED BY THE DIVISION OF STATE ARCHITECTS SHALL PROVIDE CONTINUOUS INSPECTION OF THE WORK. THE DUTIES OF THE INSPECTOR ARE DEFINED IN SECTION 4-342, PART 1, TITLE 24, CCR. THE PROJECT INSPECTOR SHALL BE CERTIFIED BY DSA TO INSPECT CLASS

# SHEET INDEX

# **GENERAL SHEETS**

TITLE SHEET G-002 **GENERAL NOTES** ABBREVIATIONS AND SYMBOLS FIRE ACCESS PLAN SITE ACCESS PLAN G-102 **CODE ANALYSIS** 

#### **CIVIL DRAWINGS**

**GENERAL NOTES** SITE TOPOGRAPHICAL MAP C-100 SITE DEMOLITION PLAN C-101 GRADING, DRAINAGE, AND WATERLINE PLAN C-102 ENLARGED GRADING AND DRAINAGE PLAN C-201

#### LANDSCAPE DRAWINGS

CONSTRUCTION NOTES AND SCHEDULES LC-1.01 CONSTRUCTION PLAN LC-2.01 CONSTRUCTION DETAILS LC-2.02 CONSTRUCTION DETAILS LI-0.01 IRRIGATION NOTES AND SCHEDULES LI-1.01 IRRIGATION PLAN LI-2.01 IRRIGATION DETAILS IRRIGATION DETAILS IRRIGATION CALCULATIONS PLANTING NOTES AND SCHEDULES TREE PROTECTION NOTES TREE PROTECTION AND REMOVAL PLAN PLANTING PLAN LP-2.01 PLANTING DETAILS

# ARCHITECTURAL DRAWINGS

SITE PLAN - TRELLIS SECTIONS, DETAILS AS-3.1 SITE DETAILS DEMOLITION FLOOR PLAN A-002 DEMOLITION ROOF PLAN DEMOLITION REFLECTED CEILING PLAN DEMOLITION SLAB PLAN DEMOLITION EXTERIOR ELEVATIONS ZDEMOLITION INTERIOR ELEVATIONS SLAB PLAN FLOOR PLAN ROOF PLAN REFLECTED CEILING PLAN EXTERIOR ELEVATIONS INTERIOR ELEVATIONS BUILDING SECTIONS BUILDING SECTIONS WALL SECTIONS WALL SECTIONS ENLARGED PLANS ENLARGED PLANS DOOR SCHEDULE WINDOW TYPE, FLOOKING PLAN, FINISH & SIGNAGE SCHEDULE. ISOMETRIC, PERSPECTIVES

WALLTYPE DETAILS/

# ARCHITECTURAL DRAWINGS (CONT)

TYP WALL DETAILS TYP FLOOR DETAILS TYP. BOOR DETAILS TYP. WINDOW DETAILS TYP. CEILING DETAILS TYPICAL ROOF DETAIL ROOF DETAILS TYP. SIGNAGE DETAILS TYP. ACCESSIBILITY DETAILS TYP. ACCESSIBILITY DETAIL CASEWORK DETAILS CASEWORK DETAILS AD-802

# STRUCTURAL DRAWINGS

**GENERAL NOTES** S-101 **GENERAL NOTES** FLOOR PLAN **ROOF FRAMING PLAN** TYPICAL FOUNDATION DETAILS TYPICAL FOUNDATION DETAILS TYPICAL CONCRETE DETAILS TYPICAL STEEL DETAILS TYPICAL WOOD DETAILS TYPICAL WOOD DETAILS SECTIONS AND DETAILS TRELLIS PLAN AND DETAILS

# MECHANICAL DRAWINGS

MECHANICAL NOTES MECHANICAL SCHEDULES MECHANICAL DEMOLITION FLOOR PLAN MECHANICAL FLOOR PLAN MECHANICAL ROOF PLAN MECHANICAL DETAILS ÉNERGY FORMS

# PLUMBING DRAWINGS

PLUMBING NOTES PLUMBING SCHEDULES PLUMBING DEMOLITION PLOOR PLAN PLUMBING FLOOR PLAN PLUMBING ROOF PLAN P-401 PŁUMBING DETAILS/ PLUMBING DETAILS

# ELÉCTRICAL DRAWINGS

GENERAL NOTES, ABBREV SYMBOLS AND DRAWINGS LIST TITLE 24 PAGE 1 7/TLE 24 PAGE/2 ELECTRICAL DEMOLITION PLAN ELECTRICAL SITE PLAN EXISTING ELECTRICAL SINGLE LINE DIAGRAM FIRST FLOOR LIGHTING PLAN FIRST FLOOR PHOTOMETRIC PLAN FIRST FLOOR EMERGENCY PHOTOMETRIC PLAN FIRST/FLOOR/POWER/PLAN/ ELECTRICAL BOOF PLAN FOR MECHANICAL EQUIPMENT ELECTRICAL DETAILS

# FIRE ALARM DRAWINGS

FA501 EMERGENCY YOUEE/ALARM COMM SYSTEM- COVER SHEET ,FA502 ,EMERGENCY VOICE/ALARM COMM SYSTEM/SITE PLAM FA503 EMERGENCY VOICE/ALARM COMMSYSTEM - NORDOFF LIBRARY FA504 EMERGENCY VOICE/ALARIM DETECTION COMM SYS RISER DIAGRAM FABOS/EMERGENCY/YOJCE/ALARM/COMM/SYSTEM-CALCULATIONS/ FA506 POINT TO POINT FIRE ALARIMEVACS WIRING DETAIL FA507 EMERGENCY VOICE/ALARM COMMY SYSTEM - FIRE ALARM DETAIL

# FIRE SPRINKLER DRAWINGS

SPRINKLER CEILING PLAN FIRE SPRINKLER PIPING PLAN FP-2.0 BUILDING SECTIONS FP-3.0 DETAILS SEISMIC BRACING FP-4.8

# PROJECT DESCRIPTION

REMODEL EXISTING LIBRARY, PROVIDE NEW HVAC EQUIPMENT ON ROOF.

LIBRARY FURNISHINGS INCLUDING ALL BOOK CASES UNDER SEPARATE CONTRACT.  $\sim$ 

SITE IMPROVEMENTS AND CONSTRUCTION OF A TRELLIS 

# BUILDING DATA

TYPE OF CONSTRUCTION SPRINKLERS / PROMPE / PROMPE OCCUPANCY TYPE/ 19,000/SF//38,000/SF\* ALLOWABLE AREA 8,500 SF BUILDING AREA ALLOWABLE HEIGHT 40 FT (1 STORY) BUILDING HEIGHT \* W/ FIRE SPRINKLER INCREASE

# FLOOD HAZARD MAP

ZONE X FLOOD ZONE DESIGNATION: FIRM PANEL DESIGNATION: 06111C0559E **JANUARY 20, 2010** EFFECTIVE DATE: BASE FLOOD ELEVATION: APPLICABLE COMMUNITY ORDINANCE SECTIONS: CITY OF OJAI VENTURA COUNTY



Roesling Nakamura Terada Architects

285 N Ventura Ave #102 Ventura, CA 93001 P805.626.5330 F805.626.5350 www.RNTarchitects.com



IDENTIFICATION STAMP DIV. OF THE STATE ARCHITECT OFFICE OF REGULATION SERVICES FILE NO. **56-H8** 

03-118819 AC M FLS BC SS KICK DATE FEB 0 6 2019

> OJAI UNIFIED SCHOOL DISTRIC'

NORDHOFF HIGH SCHOOL - LIBRARY DEMODEL **QUAD** 

1401 MARICOPA HWY. OJAI, CA 93023

CONSTRUCTION DOCUMENTS

No. Description

TITLE SHEET

Sheet Name

17770.00 04/12/18 JR Drawn by CY Checked by Sheet Number

G-001

# ACCESS COMPLIANCE NOTES

#### WALKS AND SIDEWALKS

1. CONTINUOUS SURFACE: WALKS AND SIDEWALKS SUBJECT TO THESE REGULATIONS SHALL HAVE A CONTINUOUS COMMON SURFACE, NOT INTERRUPTED BY STEPS OR BY ABRUPT CHANGES IN LEVEL EXCEEDING 1/2 INCH AND SHALL BE A MINIMUM OF 48 INCHES IN WIDTH. 1/2" CHANGE IN ELEVATION SHALL BE BEVELED 1:2 WITH 1/4" MAXIMUMUM VERTICAL. (CBC SECTIONS 11B-302 AND 11B-303) SURFACES SHALL BE SLIP RESISTANT AS FOLLOWS:

1.1 SLOPES LESS THAN 6 PERCENT: SURFACES WITH A SLOPE OF LESS THAN 6 PERCENT GRADIENT SHALL BE AT LEAST AS SLIP-RESISTANT AS DESCRIBED FOR A MEDIUM SALTED (MEDIUM BROOM) FINISH.

1.2 SLOPES 6 PERCENT OR GREATER: SURFACES WITH A SLOPE GREATER THAN 6 PERCENT GRADIENT SHALL BE SLIP-RESISTANT.

1.3 SURFACE CROSS SLOPES: SURFACE CROSS SLOPES SHALL NOT EXCEED 1/4 INCH PER FOOT.

2. GRATINGS: WALKS, SIDEWALKS, AND PEDESTRIAN WAYS SHALL BE FREE OF GRATINGS WHENEVER POSSIBLE. FOR GRATINGS LOCATED IN THE SURFACE OF ANY OF THESE AREAS, GRID OPENINGS IN GRATINGS SHALL BE LIMITED TO 1/2 INCH (13 MM) IN THE DOMINANT DIRECTION OF TRAFFIC FLOW. (WHERE A DOMINANT IS NOT OBVIOUS 1/2" MAX OPENINGS SHALL BE IN ALL DIRECTIONS) (CBC SECTION 11B-302.3)

3. CHANGES IN LEVEL: ABRUPT CHANGES IN LEVEL ALONG ANY ACCESSIBLE ROUTE SHALL NOT EXCEED 1/2 INCH. WHEN CHANGES IN LEVEL DO OCCUR, THEY SHALL BE BEVELED WITH A SLOPE NO GREATER THAN 1 UNIT VERTICAL IN 2 UNITS HORIZONTAL, EXCEPT THAT LEVEL CHANGES NOT EXCEEDING 1/4 INCH MAY BE VERTICAL. WHEN CHANGES IN LEVELS GREATER THAN 1/2 INCH ARE NECESSARY, THEY SHALL COMPLY WITH THE REQUIREMENTS FOR CURB RAMPS. (CBC SECTION 11B-406)

4. WARNING CURBS: ABRUPT CHANGES IN LEVEL, EXCEPT BETWEEN A WALK OR SIDEWALK AND AN ADJACENT STREET OR DRIVEWAY, EXCEEDING 4 INCHES IN A VERTICAL DIMENSION, SUCH AS AT PLANTERS OR FOUNDATIONS LOCATED IN OR ADJACENT TO WALKS, SIDEWALKS OR OTHER PEDESTRIAN WAYS, SHALL BE IDENTIFIED BY CURBS PROJECTING AT LEAST 6 INCHES IN HEIGHT ABOVE THE WALK OR SIDEWALK SURFACE TO WARN THE BLIND OF A POTENTIAL DROP OFF. WHEN A GUARDRAIL OR HANDRAIL IS PROVIDED, NO CURB IS REQUIRED WHEN A GUIDE RAIL IS PROVIDED CENTERED 3 INCHES PLUS OR MINUS INCH ABOVE THE SURFACE OF THE WALK OR SIDEWALK, THE WALK IS 5 PERCENT OR LESS GRADIENT OR NO ADJACENT HAZARD EXISTS. (CBC SECTION 11B-303.5)

5. PROVIDE A 60" X 60" LEVEL AREA WHERE A DOOR (OR GATE) SWINGS TOWARD THE WALK IN THE ACCESSIBLE ROUTE OF TRAVEL. EXTEND WALK A MINUMUM 24" BEYOND THE STRIKE EDGE OF ANY DOOR (OR GATE) THAT SWINGS TOWARDS THE WALK.

6. WALKS WITH CONTINUOUS GRADIENTS SHALL BE PROVIDED WITH LEVEL AREAS A MINIMUM 5'- 0" LONG AT INTERVALS OF 400'- 0" MAXIMUM PER CBC SECTION 11B-403.7.

7. A 36" WIDE DETECTABLE WARNING MATERIAL SHALL BE PROVIDED AT BOUNDARIES BETWEEN WALKWAYS AND VEHICULAR WAYS. MATERIAL SHALL COMPLY WITH CRITERIA OF CBC SECTION 11B-705.

8. COLOR YELLOW FOR DETECTABLE WARNING SURFACE SHALL CONFORM TO COLOR NO. 33538 PER FEDERAL STANDARD NO. 595B. CBC SECTION 11B-705.1.1.5.

9. PROVIDE MINIMUM 5 YEAR WARRANTY FOR DETECTABLE WARNING SURFACE PER DSA BULLETIN 10/31/02, REVISED 04/09/08.

#### PEDESTRIAN RAMPS

1. THE ALLOWABLE CROSS SLOPE AT PEDESTRIAN RAMPS SHALL BE 1/4 INCH PER FOOT (2%) MAXIMUM, PER CBC SECTION 11B-405.3.

2. RAMP SURFACES WILL BE SLIP RESISTANT.

MINIMUM CLEAR WIDTH SHALL BE 60 INCHES.

3. RAMPS SHALL HAVE A MINIMUM WIDTH OF 48 INCHES, PER CBC SECTION 11B-405.5. WHERE A RAMP SERVES A BUILDING HAVING AN OCCUPANT LOAD OF 300 OR MORE, THE

4. REQUIRED LANDINGS AT THE TOP AND BOTTOM OF RAMPS, PER CBC SECTION 11B-

405.7: A. THE BOTTOM LANDING SHALL BE GREATER OR EQUAL TO 72" IN THE DIRECTION OF

TRAVEL. B. THE TOP LANDING SHALL BE A MINIMUM OF 60" X 60".

C. WHERE THE CHANGE IN ELEVATION IS GREATER THAN 30", PROVIDE INTERMEDIATE LANDING PER CBC FIGURE 11B-405.7. WHERE THERE IS A CHANGE OF DIRECTION IN EXCESS OF 30 DEGREES, PROVIDE A LANDING OF 72" MINIMUM IN THE DIRECTION OF RAMP RUN. PROVIDE A LANDING OF 60" IN THE DIRECTION OF RAMP RUN IN OTHER INTERMEDIATE LANDINGS.

# FIRE DEPARTMENT NOTES

1. FIRE DEPARTMENT FINAL INSPECTION REQUIRED. SCHEDULE ALL INSPECTIONS 24 HOURS IN ADVANCE.

2. ALL EXIT DOORS SHALL BE OPENABLE FROM THE INSIDE WITHOUT THE USE OF A KEY OR ANY SPECIAL KNOWLEDGE OR EFFORT. NO DEADBOLTS, NO SLIDING BOLTS,

3. BUILDING OCCUPANT TO SECURE ALL PERMITS REQUIRED BY THE FIRE DEPARTMENT FROM THE FIRE PREVENTION BUREAU PRIOR TO OCCUPYING THESE BUILDINGS.

4. PLANS FOR ALL FIXED FIRE PROTECTION EQUIPMENT AND FIRE ALARM SYSTEM SHALL BE SUBMITTED BY ARCHITECT OF RECORD TO AUTHORITY HAVING JURISDICTION FOR APPROVAL PRIOR TO INSTALLATION.

5. INTERIOR FINISHES SHALL COMPLY WITH THE REQUIREMENTS OF CHAPTER 8, CALIFORNIA BUILDING CODE, 2010 EDITION.

6. ALL DECORATIVE MATERIALS SHALL BE MAINTAINED IN A FLAME-RETARDANT CONDITION. (C.C.R. T-19, SEC. 1.14, 3.08, 3.21, AND C.F.C. SEC. 807)

7. THE CONSTRUCTION, REMODEL, OR DEMOLITION OF A BUILDING SHALL COMPLY WITH CFC CHAPTER 14 AND CBC CHAPTER 33.

8. FIRE HYDRANTS SHALL COMPLY WITH FIRE DEPARTMENT REQUIREMENTS FOR ONSITE FIRE HYDRANTS, CFC SECTION 507.5 AND APPENDICES BB AND CC.

9. CONTRACTOR SHALL PROVIDE PROPER FIRE TRUCK ACCESS AND FIRE EXITS DURING CONSTRUCTION AT ALL TIMES.

# OAK TREE PROTECTION NOTES

1. NO WORK IS PERMITTED WITHIN THE FENCED AREAS. THE FENCING SHALL
REMAIN IN PLACE UNTIL PERMISSION TO REMOVE IS GRANTED BY THE LANDSCAPE

2. NO MATERIALS, EQUIPMENT, VEHICLES, SPOILS, DEBRIS, ETC. SHALL BE PLACED OR STORED WITHIN THE FENCED AREA AT ANY TIME. THE EXISTING PAVED DRIVEWAY MAY BE UTILIZED FOR ACCESS AND LAY DOWN SPACE, UNLESS OTHERWISE PROHIBITED, AS LONG AS THESE ACTIVITIES DO NOT CAUSE HARM TO THE SUBJECT OAK TREES.

3. NO PRUNING OF LIVE WOOD IS PERMITTED UNLESS SPECIFICALLY AUTHORIZED BY THE LANDSCAPE ARCHITECT. ALL PRUNING OPERATIONS SHALL BE CONSISTENT WITH ANSI A300 STANDARDS – PART 1 PRUNING AND THE MOST RECENT EDITION OF THE INTERNATIONAL SOCIETY OF ARBORICULTURE BEST MANAGEMENT PRACTICES FOR TREE PRUNING.

4. NO HERBICIDES SHALL BE USED WITHIN ONE HUNDRED (100) FEET OF THE DRIPLINE OF ANY OAK TREE UNLESS THE PROGRAM IS FIRST REVIEWED AND ENDORSED BY THE LANDSCAPE.

5. REFER TO LANDSCAPE PLANS FOR ADDITIONAL REQUIREMENTS.

# **DEMOLITION NOTES**

- 1. IDENTIFY ALL DAMAGED ELEMENTS DESIGNATED TO REMAIN OR BE RELOCATED. REQUEST CLARIFICATION FROM THE ARCHITECT BEFORE PROCEEDING WITH DEMOLITION WORK.
- 2. GENERAL CONTRACTOR IS RESPONSIBLE FOR REVIEWING AND VERIFYING DEMOLITION PLANS IN RELATION TO STRUCTURAL AND CONSTRUCTION DRAWINGS. CONTRACTOR SHALL VERIFY AND COORDINATE THE EXTENT OF DEMOLITION WORK WITH NEW WORK. THE ARCHITECT SHALL BE NOTIFIED OF ANY AND ALL CONFLICTS, DISCREPANCIES OR PROBLEMS.

3. SEE MECHANICAL, PLUMBING, AND ELECTRICAL DEMOLITION PLANS FOR ADDITIONAL WORK.

4. THE CONTRACTOR SHALL VERIFY LOCATION OF ALL UTILITIES PRIOR TO DEMOLITION. THE CONTRACTOR SHALL BEWARE OF POTENTIAL HAZARDS FROM DEMOLITION WORK NEAR UTILITIES. PIPES AND CONDUIT ENCOUNTERED IN DEMOLISHED PARTITIONS AND AREAS WHICH ARE TO REMAIN IN USE SHALL BE ROUTED AND CONCEALED. THOSE WHICH ARE TO BE ABANDONED SHALL BE CAPPED AND CONCEALED IN FLOOR, WALL OR CEILING.

5. THE GENERAL CONTRACTOR SHALL ERECT ALL NECESSARY TEMPORARY SOLID AND/OR PLASTIC DROP CLOTH PARTITIONS TO PROTECT AREAS TO REMAIN WHILE DEMOLITION AND CONSTRUCTION ARE IN PROGRESS.

6. BRACE AND SUPPORT EXISTING WORK PRIOR TO AND DURING DEMOLITION AND NEW WORK, AND UNTIL SAFE TO REMOVE SUCH BRACING AND SUPPORTS. THE CONTRACTOR IS RESPONSIBLE FOR ALL STRUCTURAL SHORING DESIGN AND CALCULATIONS.

7. THE CONTRACTOR SHALL PERFORM ALL DEMOLITION WORK REQUIRED INCLUDING THE REMOVAL AND PROPER DISPOSAL OF ALL DEBRIS, BROKEN CONCRETE, ETC., FROM THE SITE. PROPER SHORING SHALL BE EXECUTED FOR THE SAFETY OF THE STRUCTURE AND WORKMEN.

8. THE OWNER SHALL HAVE FIRST RIGHTS OF REFUSAL FOR ALL DEMOLISHED MATERIALS.

9. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL DAMAGE RESULTING FROM DEMOLITION AT NO ADDITIONAL COST TO THE OWNER. THE GENERAL CONTRACTOR SHALL BE EXTREMELY CAREFUL TO PROTECT AND NOT TO DAMAGE ANY PORTION OF EXISTING INSTALLATION NOT BEING REMOVED. ANY EXISTING FACILITIES INDICATED TO REMAIN WHICH ARE SO DAMAGED SHALL BE REPLACED EQUAL TO ORIGINAL CONDITION AND TO THE SATISFACTION OF THE OWNER.

10. CUT EXISTING PORTIONS OF WALLS, FLOORS, CEILINGS, ETC., WHERE INDICATED AND AS NECESSARY FOR NEW WORK. UNLESS SPECIFICALLY SHOWN ON THESE PLANS, NO STRUCTURAL MEMBER SHALL BE CUT, NEITHER DRILLED NOR NOTCHED, WITHOUT PRIOR WRITTEN AUTHORIZATION FROM THE STRUCTURAL ENGINEER, THE ARCHITECT AND THE AUTHORITY HAVING JURISDICTION.

11. ALL TRADES CONCERNED SHALL COORDINATE EACH OTHER'S WORKS PRIOR TO AND DURING DEMOLITION.

12. ANY PROJECTING OR SURFACE-MOUNTED ITEMS BEING ABANDONED SHALL BE REMOVED, CAPPED AND CONCEALED BEHIND FINISHED SURFACES, UNLESS OTHERWISE NOTED. PATCH AND FINISH TO MATCH EXISTING ADJACENT SURFACE.

13. SURFACES WHERE MATERIAL IS REMOVED TO INSTALL NEW WORK OR TO RECEIVE NEW FINISH SHALL BE REPAIRED AND PATCHED TO MATCH ORIGINAL CONDITIONS. RETEXTURE AND REPAINT WALL OR CEILING WHERE PATCHED TO MATCH EXISTING, WITH NO EVIDENCE THAT PATCH HAS OCCURRED.

14. ALL EXISTING AREAS TO REMAIN OR NEW CONSTRUCTION WORK THAT ARE DAMAGED SHALL BE PATCHED AS REQUIRED TO MATCH EXISTING ADJACENT AREA IN MATERIAL, FINISH AND COLOR, UNLESS OTHERWISE NOTED.

15. ALL EQUIPMENT AND MATERIAL WHICH ARE IN OPERATING CONDITION WHEN REMOVED SHALL BE MAINTAINED AS SUCH AND RETURNED TO THE OWNER OR TO BE REINSTALLED WHERE INDICATED. PROPERLY RECONNECT EQUIPMENT TO RESUME OPERATION.

16. DEMOLISH AND REMOVE WALLS, CEILINGS AND ALL OTHER ITEMS AND EQUIPMENT NOT REQUIRED TO REMAIN OR TO BE REUSED, SUCH AS, BUT NOT LIMITED TO, DOORS, BUCKS, MOLDINGS AND WALL COVERINGS, INCLUDING ITEMS WHICH MAY BE REASONABLY INFERRED AS NECESSARY TO PROPERLY PREPARE FOR THE EXECUTION AND INSTALLATION OF THE NEW WORK. REMOVE EXCESS DOORS, BUCKS, HARDWARE, LIGHTING FIXTURES, ELECTRICAL FITTINGS, CARPETS AND OTHER SALVAGEABLE MATERIAL TO BE STORED, RECYCLED, OR DISPOSED OF AS DIRECTED BY THE OWNER.

17. IN ALL AREAS WHERE DEMOLITION CAUSES UNEVENNESS OR VOIDS IN FLOOR, THE GENERAL CONTRACTOR SHALL PATCH TO LEVEL FLOOR WITH EXISTING SLAB AND/OR REQUIRED SURFACE TO RECEIVE NEW FLOOR FINISH. PATCH AND REPAIR SUBFLOOR AS REQUIRED TO RECEIVE NEW FINISH FLOORING IN A MANNER CONSISTENT WITH HIGH QUALITY WORKMANSHIP.

18. WHERE DEMOLITION IS REQUIRED TO INSTALL NEW HOLDOWNS OR STRAPS PASSING FROM FLOOR TO FLOOR, EXERCISE EXTREME CARE AS TO NOT DAMAGE EXISTING ADJACENT FLOOR FINISHES (CARPET, CERAMIC TILE, VINYL TILE, ETC.)

19. CAREFULLY & THOROUGHLY SURVEY EXISTING IRRIGATION SYSTEMS AT AREAS OF TRENCHING PRIOR TO BEGINNING SUCH WORK. MEET WITH OWNER MAINTENANCE STAFF TO COORDINATE SHUT-OFF AT AREAS OF WORK. REPAIR ALL IRRIGATION DAMAGED AS A RESULT OF DEMOLITION & NEW WORK TO ORIGINAL FUNCTIONING CONDITION.

20. ALL TRENCHING OPERATIONS SHALL BE PERFORMED WITH A SPOTTER. SPOTTER SHALL CONTINUOUSLY OBSERVE EXCAVATIONS TO LOCATE IRRIGATION LINES, CONDUITS AND ANY OTHER UTILITIES OR SUBTERRANEAN EQUIPMENT. ANY ITEMS ENCOUNTERED SHALL BE EXCAVATED BY HAND. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO REPAIR ANY IRRIGATION, UTILITIES, OR OTHER ITEMS DAMAGED AS A RESULT OF EXCAVATION.

21. REMOVE AND DISPOSE OF CLADDING MATERIAL ON ALL EXTERIOR WALLS TO REMAIN DOWN TO PLYWOOD SHEATHING OR WOOD STUD WHERE PLYWOOD SHEATHING IS NOT PRESENT

# **GENERAL NOTES**

1. THE PROJECT MANUAL ISSUED AS PART OF THESE CONSTRUCTION DOCUMENTS IS AN INTEGRAL PART OF THE CONTRACT DOCUMENTS.

2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING THAT ALL WORKMANSHIP, MATERIALS AND CONSTRUCTION SHALL BE IN COMPLIANCE WITH THE APPLICABLE CODES AND FEDERAL REQUIREMENTS AND REGULATIONS.

3. THE CONTRACTOR SHALL VISIT THE SITE AND VERIFY ALL DIMENSIONS PRIOR TO SUBMITTING A BID. THE CONTRACTOR IS ALSO RESPONSIBLE FOR OBTAINING ALL REQUIRED PERMITS.

4. THE CONTRACTOR SHALL VERIFY ALL EXISTING CONDITIONS, GRADES, ELEVATIONS AND DIMENSIONS BEFORE STARTING WORK. THE ARCHITECT SHALL BE NOTIFIED IMMEDIATELY OF ANY DISCREPANCY OR INCONSISTENCY.

5. THE CONTRACTOR SHALL DETERMINE THE LOCATION OF ALL EXISTING UTILITY SERVICES IN THE AREA TO BE EXCAVATED PRIOR TO THE BEGINNING OF EXCAVATION. THE CONTRACTOR SHALL PROTECT ALL UTILITY LINES AND SERVICE LINES TO REMAIN WHICH ARE ENCOUNTERED DURING CONSTRUCTION.

6. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE ENFORCEMENT OF FEDERAL AND STATE OF CALIFORNIA OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION REQUIREMENTS AND REGULATIONS.

7. DO NOT SCALE ANY DRAWINGS IN THIS SET.

8. ALL DIMENSIONS SHALL TAKE PRECEDENCE OVER SCALE SHOWN ON PLANS, SECTIONS AND DETAILS. SPECIFIC NOTES AND DETAILS SHALL TAKE PRECEDENCE OVER GENERAL NOTES AND TYPICAL DETAILS.

9. MATERIAL NOTES AND DRAWINGS SHALL TAKE PRECEDENCE OVER THE SPECIFICATIONS. ISSUE RFI WHEN DISCREPANCY.

10. ALL OMISSIONS AND CONFLICTS BETWEEN THE VARIOUS ELEMENTS OF THE WORKING DRAWINGS AND/OR SPECIFICATIONS SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT IMMEDIATELY BEFORE PROCEEDING WITH ANY WORK SO INVOLVED. NO CHANGES ARE TO BE MADE UNLESS THE ARCHITECT AND THE OWNER ARE NOTIFIED IN WRITING AND APPROVE SUCH A CHANGE ACCORDING TO THE CONTRACT.

11. THE ARCHITECT IS NOT RESPONSIBLE FOR ASBESTOS ABATEMENT.

12. PROVIDE BACKING AT ALL INDICATED LOCATIONS OF FIXTURES, SIGNS, HANDRAILS,

13. DURING CONSTRUCTION PERIOD, CONSTRUCTION MATERIALS SHALL BE SPREAD OUT IF PLACED ON FRAMED FLOORS OR ROOF. THE LOAD SHALL NOT EXCEED THE DESIGN LIVE LOADS FOR EACH PARTICULAR LEVEL.

14. TRADE NAMES AND MANUFACTURERS REFERRED TO ARE FOR QUALITY STANDARDS ONLY. SUBSTITUTIONS WILL BE PERMITTED AS APPROVED BY THE OWNER AND THE

15. ITEMS SHOWN AS N.I.C. ON PLANS MAY REQUIRE SEPARATE SUBMITTALS, APPROVALS AND PERMITS. INSTALLING CONTRACTOR IS RESPONSIBLE FOR OBTAINING PERMITS FOR SUCH ITEMS.

ARCHITECT ONLY UPON SUBMITTAL, AND FOR A LIMITED PERIOD.

16. CONTRACTOR SHALL VERIFY MINIMUM 2% SITE DRAINAGE TO DRAINAGE INLETS. EXCEPTION: CROSS SLOPE OF ACCESSIBLE PATH OF TRAVEL SHALL BE 2% MAXIMUM.

17. CONTRACTOR SHALL ENSURE ALL FLOOR FINISH MATERIALS WILL BE FLUSH WITH ADJACENT WALKING SURFACES.

18. CONTRACTOR SHALL ENSURE ALL FINISH MATERIALS WILL BE FLUSH WHERE NEW FINISH SURFACE MATERIALS JOIN EXISTING TO PROVIDE SMOOTH TRANSITION.

19. SAFETY GLAZING IN HAZARDOUS LOCATIONS SUCH AS GLASS DOORS, GLAZING ADJACENT TO SUCH DOORS AND GLAZING ADJACENT TO WALKWAY SURFACES TO COMPLY WITH SECTIONS 2406 AND 2406.4. OF THE CBC, APPLICABLE EDITION.

20. DOORS SHOULD NOT PROJECT MORE THAN 7 INCHES INTO THE REQUIRED CORRIDOR WIDTH WHEN FULLY OPENED OR MORE THAN ONE-HALF INTO THE REQUIRED CORRIDOR WIDTH WHEN IN ANY POSITION.

21. CONTRACTOR ACKNOWLEDGES THAT DRAWINGS ARE DIAGRAMMATIC IN NATURE AND ARE TO REPRESENT THE INTENT OF THE WORK TO BE ACCOMPLISHED. CONTRACTOR IS TO INSTALL MATERIALS AND SYSTEMS WITH EXPERIENCED SKILLED CRAFTSMEN WHO WILL BE RESPONSIBLE FOR THE INTEGRITY OF THEIR RESPECTIVE WORK. NOT EVERY DETAIL OF EACH CONDITION IS DRAWN. CONTRACTOR AND SUBCONTRACTOR ARE RESPONSIBLE FOR COMPLETE WORKMANLIKE INSTALLATION OF ALL MATERIALS AND SYSTEMS AND WILL NEED TO PROVIDE ADDITIONAL DETAILS FOR INSTALLATION BASED ON GENERAL INFORMATION SHOWN. FOR INSTANCE, NOT EVERY WATERPROOFING OR FLASHING DETAIL FOR EVERY CONDITION IS SHOWN. CONTRACTOR IS TO PROVIDE DETAILS AND INSTALLATION FOR A COMPLETE WATERTIGHT INSTALLATION.

22. THE INTENT OF THESE DRAWINGS AND SPECIFICATIONS IS THAT THE WORK OF THE ALTERATION, REHABILITATION OR RECONSTRUCTION IS TO BE IN ACCORDANCE WITH TITLE 24, CALIFORNIA CODE OF REGULATIONS. SHOULD ANY EXISTING CONDITION NOT COVERED BY THE CONTRACT DOCUMENTS SUCH AS DETERIORATION OR NON-COMPLYING CONSTRUCTION BE DISCOVERED, DETAILS AND SPECIFICATIONS FOR THE REQUIRED WORK SHALL BE SUBMITTED TO AND APPROVED BY THE AUTHORITY HAVING JURISDICTION BEFORE PROCEEDING WITH THE WORK.

23. EXISTING ELECTRICAL, THERMOSTATS, DATA, FIRE ALARM, TELEPHONE, AND SECURITY OUTLETS AND DEVICES LOCATED AT EXISTING WALLS INDICATED TO RECEIVE NEW FINISH AND SCHEDULED TO REMAIN SHALL BE REMOVED AND REMOUNTED AT NEW FINISHED WALL SURFACE.

24. CHANGES TO THE APPROVED DRAWINGS AND SPECIFICATIONS SHALL BE MADE BY

AN ADDENDUM OR A CONSTRUCTION CHANGE DOCUMENT (CCD) APPROVED BY DSA.

25. GRADING PLANS, DRAINAGE IMPROVEMENTS, ROAD AND ACCESS REQUIREMENTS AND ENVIRONMENTAL HEALTH CONSIDERATIONS SHALL COMPLY WITH ALL LOCAL

26. THE FINISH SURFACE OUTSIDE EVERY EXTERIOR DOOR SHALL SLOPE NO MORE THAN 2% IN ANY DIRECTION IN THE AREA EXTENDING 66" IN FRONT OF THE DOOR AND 30" ON EACH SIDE.

27. A DSA ACCEPTED TESTING LABORATORY DIRECTLY EMPLOYED BY THE DISTRICT (OWNER) SHALL CONDUCT ALL THE REQUIRED TESTS AND INSPECTIONS FOR THE PROJECT.

28. GRADING PLANS, DRAINAGE IMPROVEMENTS, ROAD ACCESS REQUIREMENTS AND ENVIRONMENTAL HEALTH CONSIDERATIONS SHALL COMPLY WITH ALL LOCAL ORDINANCES.

29. TITLE 24, PARTS 1-5 AND 9 MUST BE KEPT ON SITE DURING CONSTRUCTION.



Roesling Nakamura
Terada Architects

285 N Ventura Ave #102 Ventura, CA 93001 P805.626.5330 F805.626.5350 www.RNTarchitects.com



IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
FILE NO. 56-H8

O3-118819

AC W FLS SS FW
DATE FEB 0 6 2019

OJAI UNIFIED SCHOOL DISTRICT

NORDHOFF HIGH SCHOOL - LIBRARY REMODEL QUAD

1401 MARICOPA HWY. OJAI, CA 93023

CONSTRUCTION DOCUMENTS

No.	Description	Date
1	1	

GENERAL NOTES

17770.00

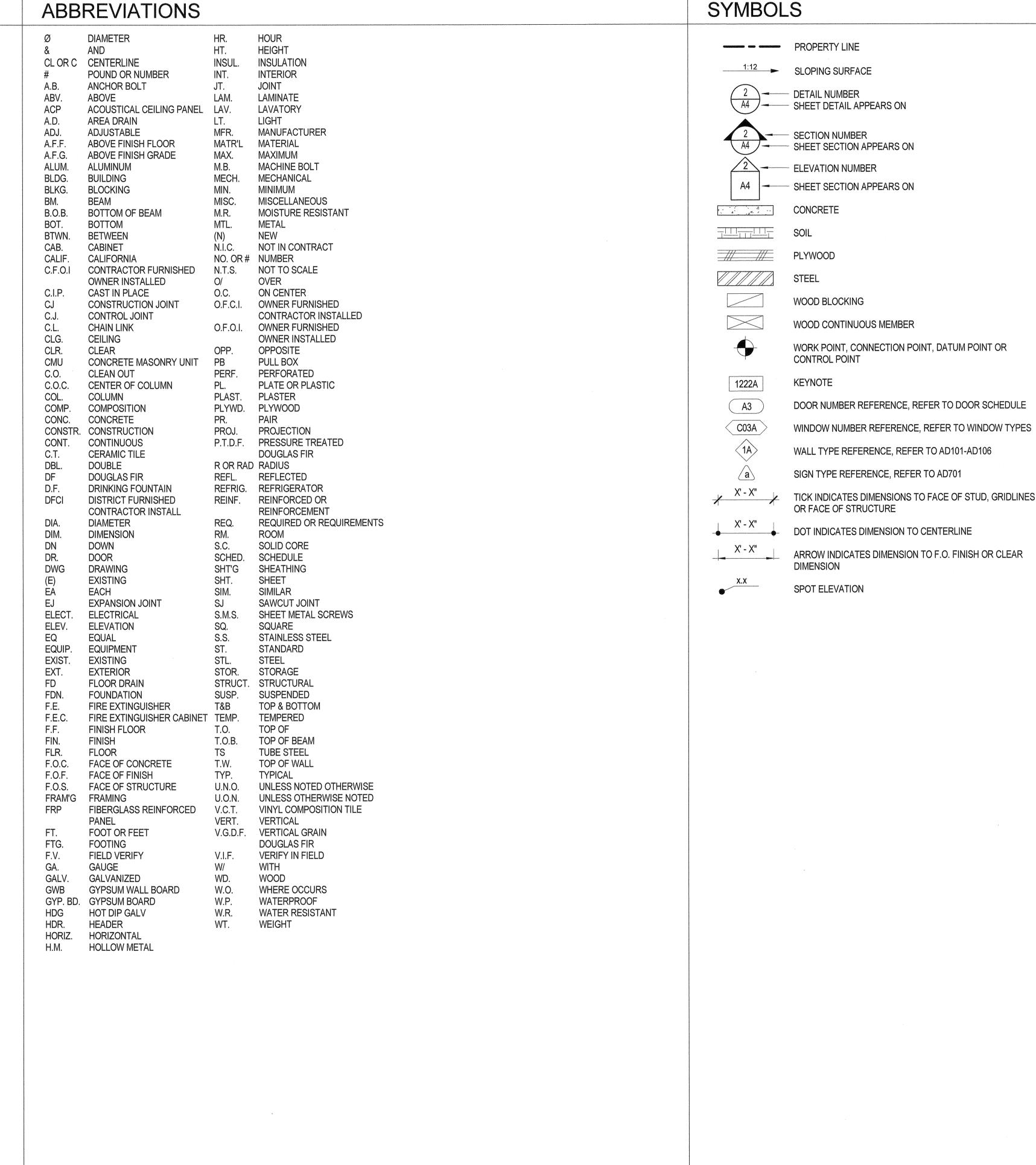
Date 04/12/18

Drawn by JR

Checked by CY

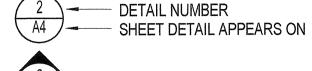
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G-002



# SYMBOLS

PROPERTY LINE



2 SECTION NUMBER SHEET SECTION APPEARS ON

2 ELEVATION NUMBER

SOIL

PLYWOOD

WOOD BLOCKING

WOOD CONTINUOUS MEMBER

WORK POINT, CONNECTION POINT, DATUM POINT OR CONTROL POINT

KEYNOTE

DOOR NUMBER REFERENCE, REFER TO DOOR SCHEDULE

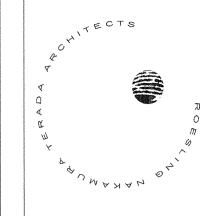
WALL TYPE REFERENCE, REFER TO AD101-AD106

SIGN TYPE REFERENCE, REFER TO AD701

TICK INDICATES DIMENSIONS TO FACE OF STUD, GRIDLINES OR FACE OF STRUCTURE

ARROW INDICATES DIMENSION TO F.O. FINISH OR CLEAR

DIMENSION SPOT ELEVATION



Roesling Nakamura Terada Architects

285 N Ventura Ave #102 Ventura, CA 93001 P805.626.5330 F805.626.5350 www.RNTarchitects.com



IDENTIFICATION STAMP DIV. OF THE STATE ARCHITECT OFFICE OF REGULATION SERVICES FILE NO. **56-H8** 03-118819 AC M FLS OU SS PACE

> OJAI UNIFIED SCHOOL DISTRICT

NORDHOFF HIGH SCHOOL - LIBRARY REMODEL QUAD

1401 MARICOPA HWY. OJAI, CA 93023

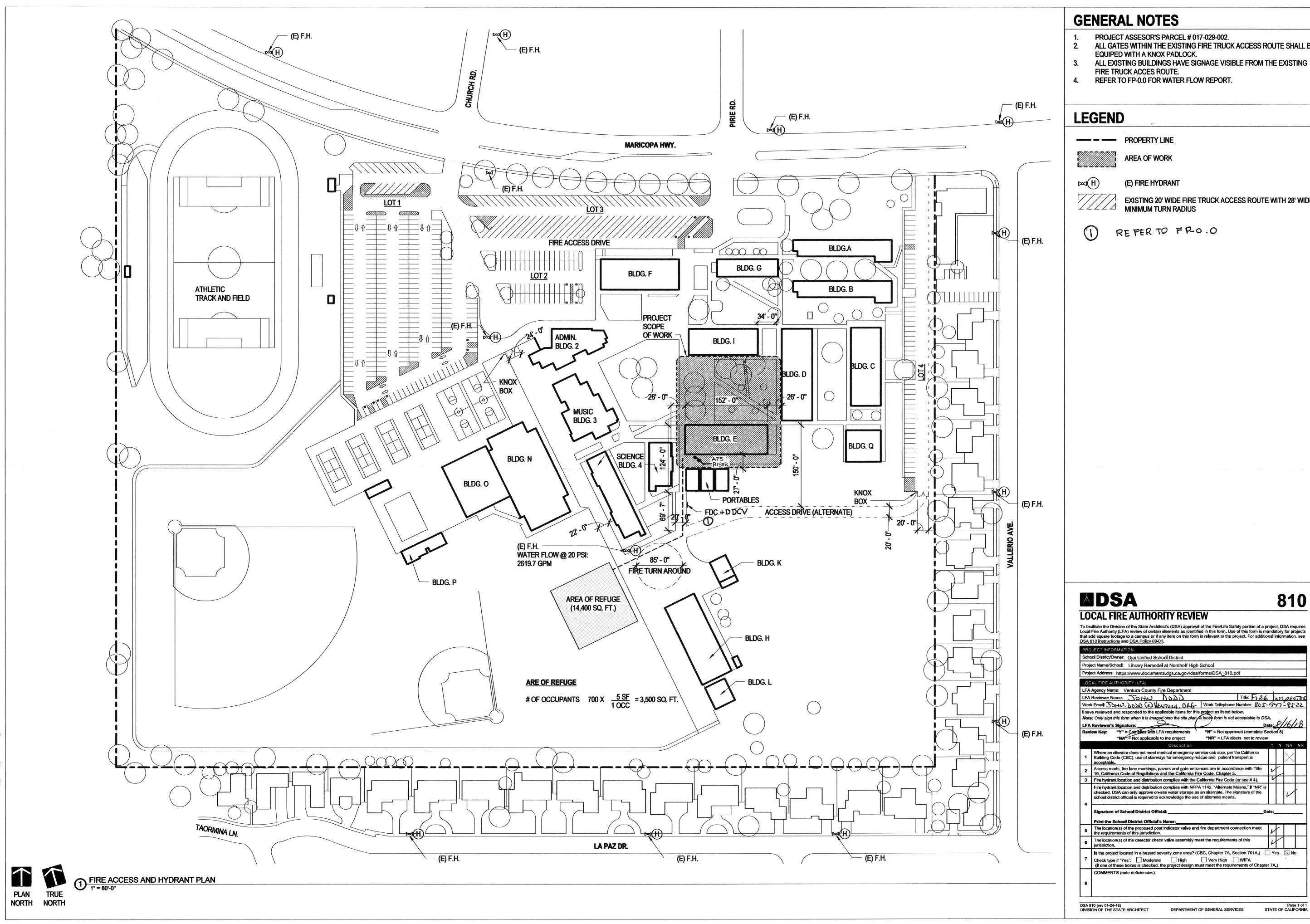
CONSTRUCTION DOCUMENTS

No.	Description	Date
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**ABBREVIATIONS** AND SYMBOLS

	17770.00
Date	04/12/18
Drawn by	JR
Checked by	CY
Sheet Number	

G-003



# **GENERAL NOTES**

- PROJECT ASSESOR'S PARCEL # 017-029-002.
- ALL GATES WITHIN THE EXISTING FIRE TRUCK ACCESS ROUTE SHALL BE **EQUIPED WITH A KNOX PADLOCK.**
- ALL EXISTING BUILDINGS HAVE SIGNAGE VISIBLE FROM THE EXISTING FIRE TRUCK ACCES ROUTE.
- REFER TO FP-0.0 FOR WATER FLOW REPORT.

--- PROPERTY LINE



(E) FIRE HYDRANT

EXISTING 20' WIDE FIRE TRUCK ACCESS ROUTE WITH 28' WIDE MINIMUM TURN RADIUS

REFER TO FPO.0



Roesling Nakamura Terada Architects

285 N Ventura Ave #102 Ventura, CA 93001 P805.626.5330 F805.626.5350 www.RNTarchitects.com



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OFFICE OF REGULATION SERVICES FILE NO. **56-H8** 03-118819 AC / FLS ACSS MA DATE FER N & 2019

> OJAI UNIFIED SCHOOL DISTRICT

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CONSTRUCTION

**DOCUMENTS** 

810

Title: FIZE NSPECTOR

Page 1 of 1 STATE OF CALIFORNIA

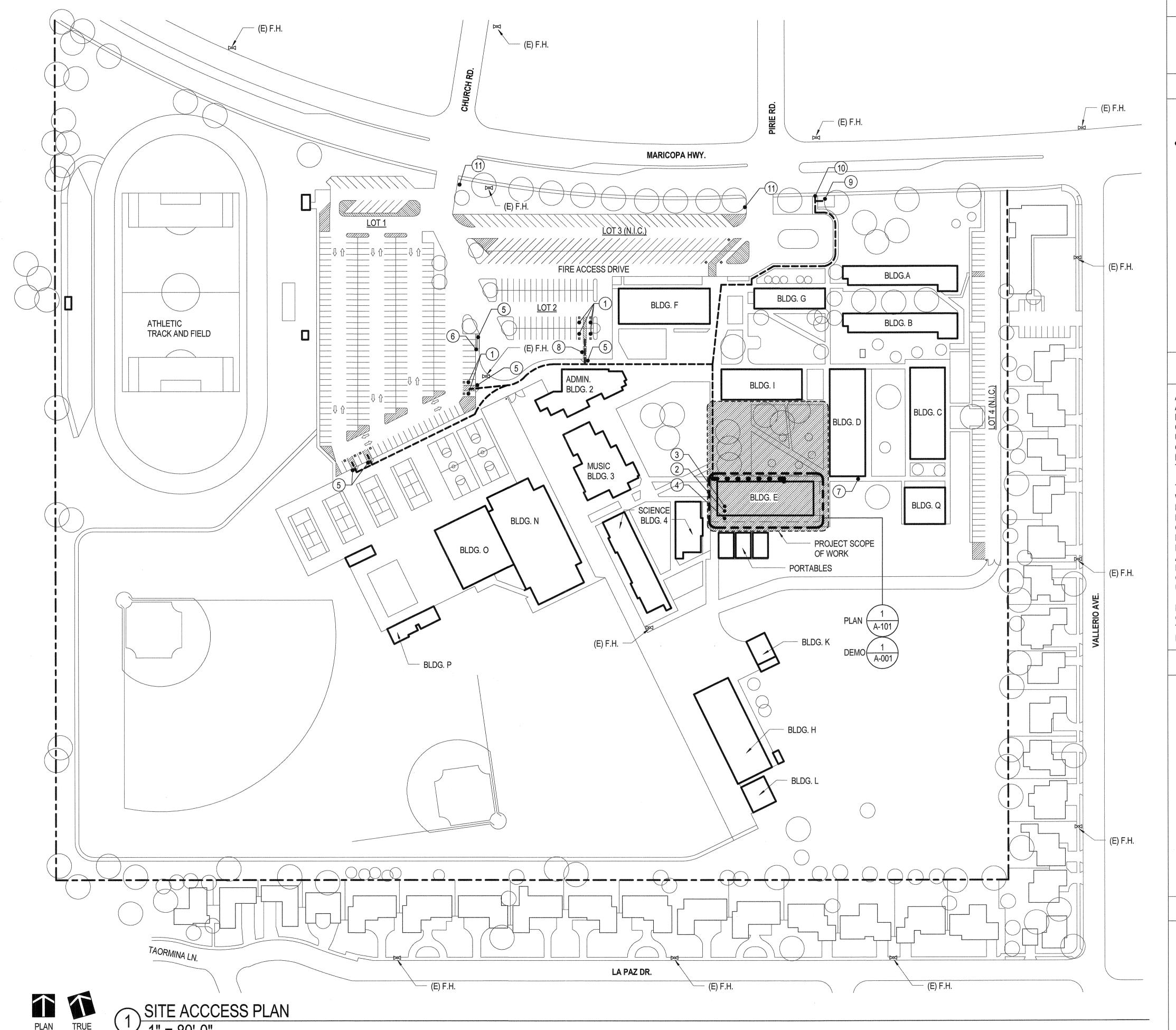
DEPARTMENT OF GENERAL SERVICES

Sheet Name

FIRE ACCESS **PLAN** 

17770.00 04/12/18 JR Drawn by CY Checked by

Sheet Number G-101



# **GENERAL NOTES**

- 1. ALL GRATINGS IN PATH OF TRAVEL SHALL HAVE GAPS NO GREATER THAN 1/2" IN THE DIRECTION OF TRAVEL.
- 2. ALL EXISTING BUILDINGS (TABLE BELOW), PARKING LOTS, PATHS OF TRAVEL (100842 AND 103668, SANITARY FACILITIES, DRINKING FOUNTAINS, SIGNAGE & PUBLIC TELEPHONES DSA CERTIFIED UNDER PREVIOUS DSA APPROVED PROJECTS..

# **LEGEND**

-- EXISTING ACCESSIBLE PATH OF TRAVEL (A# 03-103668)

SCOPE OF WORK

(E) ACCESSIBLE PARKING. REPAIR SIGNAGE ON (E) POLE. REFER TO 19/AS-3.2.

ACCESSIBLE BOYS & GIRLS TOILET
ROOM - PART OF SCOPE OF WORK
ACCESSIBLE MEN'S & WOMEN'S TOILET

ROOM - PART OF SCOPE OF WORK

ACCESSIBLE DRINKING FOUNTAIN -PART OF SCOPE OF WORK

(E) CURB RAMP. PROVIDE TRUNCATED DOMES.

(E) LOADING ZONE. PROVIDE (N) SIGNAGE ON (E) POLE. REFER TO 19/AS-3.2.
 (E) ACCESSIBLE DRINKING

FOUNTAIN.

8 EXTEND STRIPED AREA.

9) (E) PUBLIC TRANSPORTATION STOP

(E) ACCESS TO PUBLIC WAY

TOW-AWAY SIGN.
REFER TO DETAIL 20/AS-3.2

# **ACCESSIBLE P.O.T. NOTES**

ACCESSIBLE PATH OF TRAVEL AS INDICATED ON PLAN IS A BARRIER-FREE ROUTE WITHOUT ANY ABRUPT LEVEL CHANGES EXCEEDING 1/2" IF BEVELED AT 1:12 OR VERTICAL LEVEL CHANGES NOT EXCEEDING 1/4" MAX, AND AT LEAST 48" IN WIDTH. SURFACE IS STABLE, FIRM, AND SLIP RESISTANT CROSS SLOPE DOES NOT EXCEED 2% AND SLOPE IN THE DIRECTION OF TRAVEL IS LESS THAN 5%, UNLESS OTHERWISE INDICATED. ACCESSIBLE PATH OF TRAVEL SHALL BE MAINTAINED FREE OF OVERHANGING OBSTRUCTIONS TO 80" MINIMUM, AND PROTRUDING OBJECTS GREATER THAN 4" PROJECTION FROM WALL AND ABOVE 27" AND LESS THAN 80". ARCHITECT SHALL VERIFY THAT THERE ARE NO BARRIERS IN THE PATH OF TRAVEL.

THE PATH OF TRAVEL (P.O.T.) IDENTIFIED IN THESE CONSTRUCTION DOCUMENTS IS COMPLIANT WITH THE CURRENT APPLICABLE CALIFORNIA BUILDING CODE ACCESSIBILITY PROVISIONS FOR PATH OF TRAVEL REQUIREMENTS FOR ALTERATIONS, ADDITIONS, AND STRUCTURAL REPAIRS. AS PART OF THE DESIGN OF THIS PROJECT, THE P.O.T. WAS EXAMINED AND ANY ELEMENTS, COMPONENTS OR PORTIONS OF THE P.O.T THAT WEER DETERMINED TO BE NONCOMPLIANT 1) HAVE BEEN IDENTIFIED AND 2) THE CORRECTIVE WORK NECESSARY TO BRING THEM INTO COMPLIANCE HAS BEEN INCLUDED WITHIN THE SCOPE OF THIS PROJECT'S WORK THROUGH DETAILS, DRAWINGS, AND SPECIFICATIONS INCORPORATED INTO THESE CONSTRUCTION DOCUMENTS. ANY NONCOMPLIANT ELEMENTS, COMPONENTS OR PORTIONS OF THE P.O.T. THAT WILL NOT BE CORRECTED BY THIS PROJECT BASED ON VALUATION THRESHOLD LIMITATIONS OR A FINDING OF UNREASONABLE HARDSHIP ARE SO INDICATED IN THESE CONSTRUCTION DOCUMENTS.

DURING CONSTRUCTION, IF P.O.T. ITEMS WITHIN THE SCOPE OF THE PROJECT REPRESENTED AS CODE COMPLIANT ARE FOUND TO BE NONCONFORMING BEYOND REASONABLE CONSTRUCTION TOLERANCES, THEY SHALL BE BROUGHT INTO COMPLIANCE WITH THE CBC AS A PART OF THIS PROJECT BY MEANS OF A CONSTRUCTION CHANGE DOCUMENT.

# **EXISTING STRUCTURES**

BUILDING	SQ. FT.	DATE OF CONSTRUCTION	A#
BUILDING - A	7,100	1954 / 1962	12702 / 22425
BUILDING - B	7,100	1954	12702
BUILDING - C	11,500	1965	1965
BUILDING - D	13,100	1958	17244
BUILDING - E	11,420	1965	26663
BUILDING - F	11,350	1965	26663
BUILDING - H	12,500	1959 / 1962	19088 / 22425
BUILDING - I	8,350	1958 / 1965	17244 / 26663
BUILDING - K	1,700	1962	14047 / 22425
BUILDING - L	2,600	1978	41727
BUILDING - N	19,200	1965	26663
BUILDING - O	8,600	1958 / 1965 / 1975	17244 / 26663 / 38196
BUILDING - P	1,850	1961	21282
BUILDING - Q	4,550	1993	59160
PORTABLES	3,000	1998	100842
BUILDING 2 (ADMINISTRATION)	6,650	2002	103668
BUILDING 3 (MUSIC)	8,830	2002	103668
BUILDING 4A (SCIENCE)	9,050	2002	103668
BUILDING 4B (SCIENCE)	5,200	2002	103668

# **PARKING ANALYSIS**

ACCESSIBLE PARKING

ACCESSIBLE VAN PARKING 00 SPACES

<u>LOT 1</u>	TYPE	EXISTING	REQUIRED	PROVIDED
	PARKING ACCESSIBLE PARKING ACCESSIBLE VAN PARKING	242 SPACES 006 SPACES 003 SPACES	242 SPACES 006 SPACES 003 SPACES	242 SPACES 006 SPACES 003 SPACES
LOT 2	TYPE	EXISTING	REQUIRED	PROVIDED

04 SPACES

02 SPACES

00 SPACES



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AC FLS SCS M
DATE FEB 0 6 2019

# OJAI UNIFIED SCHOOL DISTRICT

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CONSTRUCTION DOCUMENTS

No.	Description	Date
		***************************************
neet	Name	

# SITE ACCESS PLAN

	17770.00
Date	04/12/18
Drawn by	JR
Checked by	CY
Sheet Number	

G-102

48 SPACES 04 SPACES

00 SPACES

#### GENERAL GRADING NOTES

- GRADING SUPERVISION REQUIREMENTS SHALL BE COMPLIED WITH AS FOLLOWS:
- A. LINE AND GRADE STAKES SHALL BE SET BY A CALIFORNIA LICENSED SURVEYOR HIRED BY THE CONTRACTOR UNDER THE GENERAL SUPERVISION OF THE DISTRICT'S REPRESENTATIVE.
- B. UPON COMPLETION OF CONSTRUCTION, THE CONTRACTOR SHALL PREPARE RECORD DRAWINGS AND SUBMIT A REPORT INDICATING THAT THE IMPROVEMENTS HAVE BEEN COMPLETED IN SUBSTANTIAL CONFORMANCE WITH THE APPROVED PLANS AND SPECIFICATIONS.
- C. THE DISTRICT'S REPRESENTATIVE AND/OR THE DISTRICT'S GEOTECHNICAL ENGINEER SHALL PROVIDE GENERAL REVIEW OF THE GRADING AND SUBGRADE PREPARATION. PERFORM COMPACTION TESTING. MEASURE THE THICKNESS OF PAVEMENT AND BASE DURING CONSTRUCTION, TEST AND REVIEW THE QUALITY OF PAVEMENT AND BASE, ETC.
- 2. NOISE GENERATING CONSTRUCTION ACTIVITIES SHALL BE LIMITED TO THE HOURS OF 7:30 AM TO 5:00 PM. MONDAY THROUGH FRIDAY. CONSTRUCTION EQUIPMENT MAINTENANCE SHALL BE LIMITED TO THE SAME HOURS. STATIONARY CONSTRUCTION EQUIPMENT THAT GENERATES NOISE WHICH EXCEEDS 65 dBA AT THE PROJECT BOUNDARIES SHALL BE SHIELDED TO THE DISTRICT'S SATISFACTION AND SHALL BE LOCATED AT A MINIMUM OF 50 FEET FROM OCCUPIED BUILDINGS.
- 3. THE GROUND SURFACE IN THE BUILDING AND SURFACE IMPROVEMENT AREAS SHALL BE PREPARED FOR CONSTRUCTION BY REMOVING SURFACE AND UNDERGROUND IMPROVEMENTS, I.E. PIPELINES, CONDUITS, ETC., VEGETATION, LARGE ROOTS, DEBRIS, AND OTHER DELETERIOUS MATERIALS. EXISTING UTILITY LINES THAT WILL NOT REMAIN IN SERVICE SHALL BE EITHER REMOVED OR ABANDONED, IF APPROVED BY THE DISTRICT'S REPRESENTATIVE.
- 4. VOIDS CREATED BY THE REMOVAL OF MATERIALS OR UTILITIES DESCRIBED ABOVE SHALL BE CALLED TO THE ATTENTION OF THE DISTRICT'S REPRESENTATIVE. NO FILL SHALL BE PLACED UNLESS THE UNDERLYING SOIL HAS BEEN OBSERVED BY THE DISTRICT'S REPRESENTATIVE.
- 5. FOLLOWING SITE PREPARATION. THE SOILS IN THE BUILDING AREA SHALL BE REMOVED TO A LEVEL PLANE AT A MINIMUM DEPTH OF 3 FEET BELOW THE EXISTING GROUND SURFACE OR TO A DEPTH OF 2 FEET BELOW THE LOWEST FOOTING ELEVATION, WHICHEVER IS DEEPER, AND TO MINIMUM 5 FEET OUTSIDE THE BUILDING FOOTPRINT, DURING CONSTRUCTION, LOCALLY DEFPER REMOVALS MAY BE REQUIRED BASED ON FIELD CONDITIONS. THE RESULTING SOIL SURFACE SHALL THEN BE SCARIFIED TO A MINIMUM DEPTH OF 8-INCHES. MOISTURE CONDITIONED TO WITHIN 2 PERCENT OF THE OPTIMUM MOISTURE CONTENT, AND COMPACTED TO MINIMUM 95 PERCENT COMPACTION PRIOR TO PLACING ANY FILL.
- 6. FOLLOWING SITE PREPARATION, THE SOILS IN THE PAVEMENT SURFACE IMPROVEMENT AREA SHALL BE REMOVED TO A LEVEL PLANE AT A MINIMUM DEPTH OF 1-FOOT BELOW THE PROPOSED SUBGRADE ELEVATION OR 1-FOOT BELOW THE EXISTING GROUND SURFACE, WHICHEVER IS DEEPER, AND TO MINIMUM 3 FEET BEYOND THE PROPOSED PAVEMENT LIMITS. DURING CONSTRUCTION, LOCALLY DEEPER REMOVALS MAY BE REQUIRED, BASED ON FIELD CONDITIONS. THE RESULTING SOIL SURFACE SHALL THEN BE SCARIFIED TO A MINIMUM DEPTH OF 8-INCHES, MOISTURE CONDITIONED TO WITHIN 2 PERCENT OF THE OPTIMUM MOISTURE CONTENT, AND COMPACTED TO MINIMUM 95 PERCENT COMPACTION PRIOR TO PLACING ANY FILL.
- VOIDS CREATED BY DISLODGING COBBLES AND/OR DEBRIS DURING SCARIFICATION SHALL BE BACKFILLED AND COMPACTED. AND THE DISLODGED MATERIALS SHOULD BE REMOVED FROM THE AREA OF WORK.
- 8. ON-SITE MATERIAL AND APPROVED IMPORT MATERIALS MAY BE USED AS GENERAL FILL. FILL SHALL BE PLACED IN LEVEL LIFTS NOT EXCEEDING 8 INCHES IN LOOSE THICKNESS, MOISTURE CONDITIONED TO A MINIMUM OF OPTIMUM MOISTURE CONTENT OF 95 PERCENT OF MAXIMUM DRY DENSITY. THE UPPER 1-FOOT OF SUBGRADE AND ALL AGGREGATE BASE AREAS TO BE PAVED WITH ASPHALT CONCRETE OR PORTLAND CEMENT CONCRETE SHALL BE COMPACTED TO A MINIMUM OF 95 PERCENT OF THE MAXIMUM DRY DENSITY. SUBGRADE AND AGGREGATE BASE SHALL BE FIRM AND UNYIELDING WHEN PROOF-ROLLED WITH HEAVY, RUBBER-TIRED GRADING EQUIPMENT PRIOR TO CONTINUING CONSTRUCTION.
- . EARTH MOVING AND WORKING OPERATIONS SHALL BE CONTROLLED TO PREVENT WATER FROM RUNNING INTO EXCAVATED AREAS. EXCESS WATER SHALL BE PROMPTLY REMOVED AND THE SITE KEPT DRY. FILL MATERIAL SHALL NOT BE PLACED. SPREAD. OR ROLLED DURING UNFAVORABLE WEATHER CONDITIONS. WHEN THE WORK IS INTERRUPTED BY HEAVY RAIN, FILL OPERATIONS SHALL NOT BE RESUMED UNTIL FIELD TESTS BY THE DISTRICT'S REPRESENTATIVE INDICATE THAT THE MOISTURE CONTENT AND DENSITY OF THE FILL ARE ABLE TO BE PLACED AND MEET THE REQUIRED COMPACTION.
- 10. WHEN THE MOISTURE CONTENT OF THE FILL MATERIAL IS NOT SUFFICIENT TO ACHIEVE REQUIRED COMPACTION, WATER SHALL BE ADDED UNTIL THE SOILS ATTAIN A MOISTURE CONTENT SO THAT THOROUGH BONDING IS ACHIEVED DURING THE COMPACTING PROCESS. WHEN THE MOISTURE CONTENT OF THE FILL MATERIAL IS EXCESSIVE, THE FILL MATERIAL SHALL BE AERATED BY BLADING OR OTHER SATISFACTORY METHODS UNTIL THE MOISTURE CONTENT IS REDUCED TO AN ACCEPTABLE CONTENT TO ACHIEVE PROPER
- 11. IMPORT SOILS SHALL BE GRANULAR NON-EXPANSIVE SOILS WHICH ARE EQUAL TO OR SUPERIOR IN QUALITY TO THE ON SITE SOILS AS DETERMINED BY THE DISTRICT'S REPRESENTATIVE PRIOR TO IMPORTATION OF THE FILL MATERIAL TO THE SITE.
- 12. THE COMPACTION STANDARD SHALL BE THE ASTM D 1557-12 METHOD OF COMPACTION AND THE LATEST EDITION.
- 13. BEFORE BEGINNING WORK REQUIRING EXPORTING OR IMPORTING MATERIALS. THE CONTRACTOR SHALL OBTAIN APPROVAL FROM THE CITY OF OJAI AND COUNTY OF VENTURA PUBLIC WORKS ROAD DIVISION FOR HAUL ROUTES USED AND METHODS PROVIDED TO MINIMIZE THE DEPOSIT OF SOILS ON CITY AND COUNTY ROADS.
- 14. FILL MATERIAL SHALL BE SPREAD IN LIFTS NOT EXCEEDING 8" IN LOOSE THICKNESS, MOISTENED OR DRIED AS NECESSARY TO NEAR OPTIMUM MOISTURE CONTENT AND COMPACTED BY AN APPROVED METHOD. FILL MATERIAL SHALL BE COMPACTED TO A MINIMUM OF 95% MAXIMUM DENSITY AS DETERMINED BY ASTM D-1557-12 MODIFIED PROCTOR (AASHTO) TEST OR SIMILAR APPROVED METHODS. SOILS TESTS SHALL BE CONDUCTED AT NOT LESS THAN FOR EACH 18" OF FILL AND/OR FOR EACH 500 CUBIC YARDS OF FILL PLACED.

# GENERAL GRADING NOTES (CONT.)

- 16. SURFACE DRAINAGE SHALL BE PROVIDED AT A MINIMUM OF 5% FOR 10 FEET AWAY FROM THE FOUNDATION LINE OR ANY STRUCTURE. OR OTHERWISE SHOWN ON THE GRADING PLANS.
- 17. NO GRADING SHALL OCCUR UNLESS APPROVED EROSION CONTROL AND SEDIMENT CONTROL MEASURES ARE IN PLACE. DISCHARGES OF SEDIMENT FROM THE PROJECT SITE MAY RESULT IN A "STOP WORK ORDER".
- 18. CONTRACTOR TO REVIEW THE GRADING AND DRAINAGE PLAN FOR PAVEMENT GRADES AND CONTOURS AND MAY MAKE ADJUSTMENTS FROM THE APPROVED GRADING DESIGN AFTER RECEIVING THE DISTRICT'S REPRESENTATIVE'S APPROVAL.
- 19. SEE ELECTRICAL PLAN FOR REMOVAL/DEMOLITION OF ALL EXISTING SITE LIGHTING AND ELECTRICAL AND TELECOMMUNICATION SYSTEMS.

#### TRENCHING AND BACKFILLING NOTES

- 1. WATER ENCOUNTERED IN TRENCH OR STRUCTURE EXCAVATION SHALL BE REMOVED BY THE CONTRACTOR TO THE SATISFACTION OF THE DISTRICT'S REPRESENTATIVE TO PROVIDE DRY CONDITIONS DURING CONSTRUCTION OF PIPE OR STRUCTURE.
- 2. TRENCH OR STRUCTURE EXCAVATION SUBGRADE SHALL BE OBSERVED BY THE DISTRICT'S REPRESENTATIVE PRIOR TO PLACEMENT OF BEDDING MATERIAL OR FORMS. WET OR UNSTABLE SOIL ENCOUNTERED IN THE BOTTOM OF THE EXCAVATION AND DEEMED BY THE DISTRICT'S REPRESENTATIVE TO BE INCAPABLE OF PROPERLY SUPPORTING THE PIPE OR STRUCTURE BEING CONSTRUCTED, SHALL BE REMOVED TO THE DEPTH RECOMMENDED BY THE DISTRICT'S REPRESENTATIVE AND THE EXCAVATION BACKFILLED TO THE BOTTOM OF THE PIPE OR STRUCTURE GRADE WITH SUITABLE MATERIAL RECOMMENDED BY THE DISTRICT'S
- 3. ALL WORK INVOLVING EXCAVATION FOR FIRE WATERLINE PIPES AND CONNECTIONS SHALL BE COMPLETED, OBSERVED AND APPROVED BY THE DISTRICT'S REPRESENTATIVE AND THE STRUCTURAL BACKFILL OBSERVED. TESTED FOR COMPACTION AND APPROVED BEFORE AGGREGATE BASE, PAVING OR OTHER PERMANENT SURFACE CONSTRUCTION MAY COMMENCE.
- 4. ALL MATERIALS AND CONSTRUCTION SHALL BE IN ACCORDANCE WITH APPLICABLE HEALTH AND SAFETY LAWS, ORDINANCES, REGULATIONS, RULES, AND STANDARDS INCLUDING ALL REQUIREMENTS OF THE STATE OF CALIFORNIA DIVISION OF INDUSTRIAL SAFETY AND OF CAL-OSHA.
- 5. CONTRACTOR SHALL DESIGN, FURNISH, INSTALL, AND MAINTAIN SUCH SHEETING, SHORING, BRACING AND/OR OTHER PROTECTION PER CALOSHA STRICT REQUIREMENTS AND AS IS NECESSARY TO PREVENT FAILURE OF
- 6. VERTICAL TRENCH SHORING SHALL CONFORM WITH THE ORDERS OF THE STATE OF CALIFORNIA, DIVISION OF INDUSTRIAL SAFETY (DIS) AND O.S.H.A. STANDARDS. CONTRACTOR SHALL HAVE D.I.S. EXCAVATION PERMIT (COPY TO COUNTY).

#### DUST CONTROL NOTES

- 1. IN ADDITION TO THESE NOTES, THE CONTRACTOR WILL BE RESPONSIBLE FOR ALL DUST AND EROSION CONTROL DURING THE ENTIRE CONSTRUCTION PERIOD. THE CONTRACTOR SHALL UTILIZE DUST CONTROL METHODS ON ANY DUST-PRODUCING CONDITION IN COMPLIANCE WITH REGULATIONS OF THE DISTRICT AND THE COUNTY OF VENTURA AIR POLLUTION CONTROL DISTRICT.
- 2. AFTER CLEARING, GRADING, EARTH MOVING, EXCAVATION OR EMBANKMENT OPERATIONS ARE COMPLETED THE ENTIRE AREA OF DISTURBED SOIL IS TO BE TREATED TO PREVENT WIND PICKUP OF THE SOIL. THIS MAY BE ACCOMPLISHED BY: A. SEEDING AND WATERING UNTIL GRASS COVER IS GROWN. B. SPREADING SOIL BINDERS. C. WETTING THE AREA DOWN. SUFFICIENT TO FORM A CRUST ON THE SURFACE WITH REPEATED SOAKING AS NECESSARY TO MAINTAIN THE CRUST AND PREVENT DUST PICKUP BY THE WIND. D. OTHER METHODS APPROVED IN ADVANCE BY THE DISTRICT'S REPRESENTATIVE.
- 3. WATERING OR APPLICATION OF SOIL BINDERS SHALL CONTINUE IN THE AMOUNTS NECESSARY TO CONTROL DUST UNTIL THE SITE IS SEEDED AND PLANTS ESTABLISHED.
- 4. THE CONSTRUCTION CONTRACTOR SHALL DESIGNATE A PERSON(S) TO MONITOR THE DUST CONTROL PROGRAM AND TO ORDER INCREASED WATERING, AS NECESSARY, TO PREVENT TRANSPORT OF DUST OFFSITE. THEIR DUTIES SHALL BE FOR THE ENTIRE CONSTRUCTION DURATION, INCLUDING HOLIDAY AND WEEKEND PERIODS WHEN WORK MAY NOT BE IN PROGRESS.
- 5. CONTRACTOR SHALL EMPLOY ALL LABOR. EQUIPMENT AND METHODS REQUIRED TO PREVENT HIS OPERATIONS FROM PRODUCING DUST IN AMOUNTS DAMAGING TO ADJACENT PROPERTY, CULTIVATED VEGETATION AND DOMESTIC ANIMALS OR CAUSING A NUISANCE TO PERSONS OCCUPYING BUILDINGS IN THE VICINITY OF THE JOB SITE. CONTRACTOR SHALL BE RESPONSIBLE FOR DAMAGE CAUSED BY DUST FROM HIS GRADING

#### EROSION CONTROL NOTES

- 1. IN ADDITION TO THESE NOTES, THE CONTRACTOR WILL BE RESPONSIBLE FOR ALL EROSION CONTROL REQUIREMENTS FOR THE PROJECT CONSTRUCTION. THIS PLAN SHOWS THE MINIMUM REQUIREMENTS FOR EROSION CONTROL. CONTRACTOR SHALL CONSTRUCT ADEQUATE EROSION CONTROL MEASURES TO PREVENT SILT AND DEBRIS FROM EXITING THE CONSTRUCTION SITE AND/OR ENTERING THE NEARBY WATERS AND/OR STORM DRAIN SYSTEM.
- 2. THE CONTRACTOR SHALL ENSURE ALL PROTECTION MEASURES ARE IN PLACE PRIOR TO THE RAINY SEASON. THE PROTECTION MEASURES MAY NEED TO BE INSTALLED DURING OTHER PARTS OF THE YEAR SHOULD RAIN BE IMMINENT.
- 3. THE CONTRACTOR SHALL ADJUST THE LIMITS OF THE PROTECTION MEASURES AS HIS WORK PROGRESSES OR SHOULD THEY BE INADEQUATE TO CONTROL RUNOFF OF SILT-LADEN WATER.
- 4. THE CONTRACTOR SHALL REMOVE SILT FROM ALL STORM DRAIN APPURTENANCES AND EROSION CONTROL DEVICES AFTER EACH RAIN.
- 5. THE PROTECTION MEASURES MAY BE TEMPORARILY MOVED OUT OF THE CONTRACTOR'S WAY TO FACILITATE CONSTRUCTION, PROVIDED THEY ARE REINSTALLED PRIOR TO THE NEXT RAIN STORM.
- 6. THE CONTRACTOR SHALL MODIFY HIS CREW OF THE INTENT OF THE PROTECTION MEASURES PRIOR TO THE START OF THE RAINY SEASON. THE CREW IS REQUIRED TO MONITOR THE EFFECTIVENESS OF THE SYSTEM AND ALERT THE CONTRACTOR OF ANY FAILURES OR PROBLEMS.
- 7. STAGING, REFUELING OF EQUIPMENT AND STORAGE OF MATERIALS AREAS MAY CHANGE THROUGHOUT CONSTRUCTION. AS REQUIRED. THE AREAS SHALL BE INSPECTED FREQUENTLY TO ENSURE NO SPILLED HAZARDOUS MATERIALS CONTAMINATE THE GROUND. SHOULD THIS OCCUR. THE SPILL SHALL BE CLEANED UP IMMEDIATELY. REFUELING OF EQUIPMENT AND STORAGE OF HAZARDOUS MATERIALS SHALL NOT BE LOCATED NEAR STORM DRAIN INLETS, EXISTING BUILDINGS, OR DRAINAGE SWALES.
- 8. CONTRACTOR SHALL ROUTINELY INSPECT AND MAINTAIN ALL EROSION CONTROL DEVICES IN WORKING CONDITION, AND SATISFACTORY TO THE GOVERNING AGENCIES AND PER DISTRICT'S REQUIREMENTS.
- 9. CONTRACTOR SHALL PREVENT TRACKING OF MUD ONTO ADJACENT ROADS.
- 10. CONTRACTOR SHALL CONSTRUCT A CONCRETE WASHOUT AREA PER THE CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD EROSION AND SEDIMENT CONTROL FIELD MANUAL. LOCATION TO BE COORDINATED WITH AND APPROVED BY THE DISTRICT'S
- 11. BEST MANAGEMENT PRACTICES FOR CONSTRUCTION ACTIVITIES: ERODED SEDIMENTS AND OTHER POLLUTANTS MUST BE RETAINED ON SITE AND MAY NOT BE TRANSPORTED FROM THE SITE VIA SHEET FLOW, SWALES. AREA DRAINS, NATURAL DRAINAGE COURSES. OR WIND. STOCKPILES OF EARTH AND OTHER CONSTRUCTION RELATED MATERIALS MUST BE PROTECTED FROM BEING TRANSPORTED FROM THE SITE BY THE FORCES OF WIND OR WATER, FUELS, OILS, SOLVENTS, AND OTHER TOXIC MATERIALS MUST BE STORED IN ACCORDANCE WITH THEIR LISTING AND ARE NOT TO CONTAMINATE THE SOIL AND SURFACE WATERS. ALL APPROVED STORAGE CONTAINERS ARE TO BE PROTECTED FROM THE WEATHER. SPILLS MAY NOT BE WASHED INTO THE NEARBY WATERS OR DRAINAGE SYSTEM EXCESS OR WASTE CONCRETE MAY NOT WASHED INTO PUBLIC WAY OR ANY OTHER DRAINAGE SYSTEM. PROVISIONS, SUCH AS CONCRETE WASHOUT BASINS, MUST BE MADE TO RETAIN CONCRETE WASTES ON-SITE UNTIL THEY CAN BE DISPOSED OF AS SOLID WASTE. TRASH AND CONSTRUCTION RELATED SOLID WASTE MUST BE DEPOSITED INTO A COVERED WASTE RECEPTACLE TO PREVENT CONTAMINATION OF RAINWATER AND DISPERSAL BY WIND. SEDIMENTS AND OTHER MATERIAL MAY NOT BE TRACKED FROM THE SITE BY VEHICULAR TRAFFIC. THE CONSTRUCTION ENTRANCE ROADWAYS MUST BE STABILIZED SO AS TO INHIBIT SEDIMENTS FROM BEING DEPOSITED INTO THE PUBLIC ROADWAY. ACCIDENTAL DEPOSITION MUST BE SWEPT UP IMMEDIATELY AND MAY NOT BE WASHED DOWN BY RAIN OR OTHER MEANS. ANY SLOPES WITH DISTURBED SOILS OR DENUDED OF VEGETATION MUST BE STABILIZED SO AS TO MINIMIZE EROSION BY WIND AND WATER.

CAUTION

111 East Victoria Street, Santa Barbara, CA 93101

Fax: (805) 966-9801

Phone: (805) 963-9532

CONTRACTOR SHALL POTHOLE AND VERIFY ALL EXISTING UTILITIES WITHIN PROJECT SITE PRIOR TO CONSTRUCTION AND REPORT ANY CONFLICTS TO THE OWNER'S REPRESENTATIVE. CONTRACTOR SHALL PROPOSE ANY HORIZONTAL

REALIGNMENT AND/OR VERTICAL ADJUSTMENT FOR SITE AND UTILITY DESIGN TO THE OWNER'S REPRESENTATIVE FOR APPROVAL PRIOR TO CONSTRUCTION

AT NO ADDITIONAL COST TO THE OWNER OR THE PROJECT.

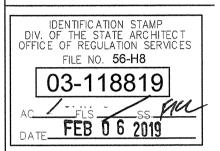
**KEY PLAN** 

# DWANAL

#### Roesling Nakamura Terada Architects

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> CONSTRUCTION DOCUMENTS

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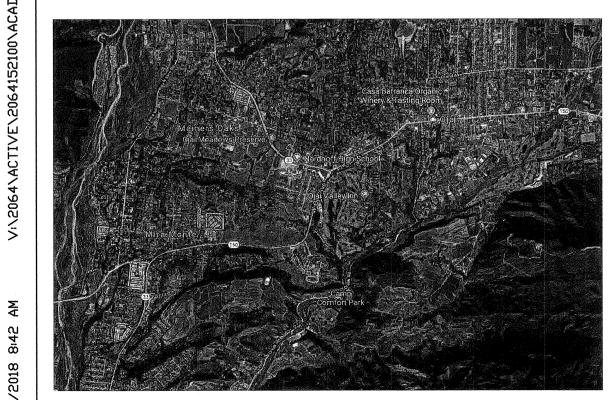
**GENERAL** 

Sheet Name

**NOTES** 

17770.00 08/10/18 WF Drawn by Checked by Sheet Number

**LOCATION & VICINITY MAP** 



#### OWNER/APPLICANT

HORIZONTAL DATUM: NAD 83 (US FEET) VERTICAL DATUM: NAVD 88 (US FEET)

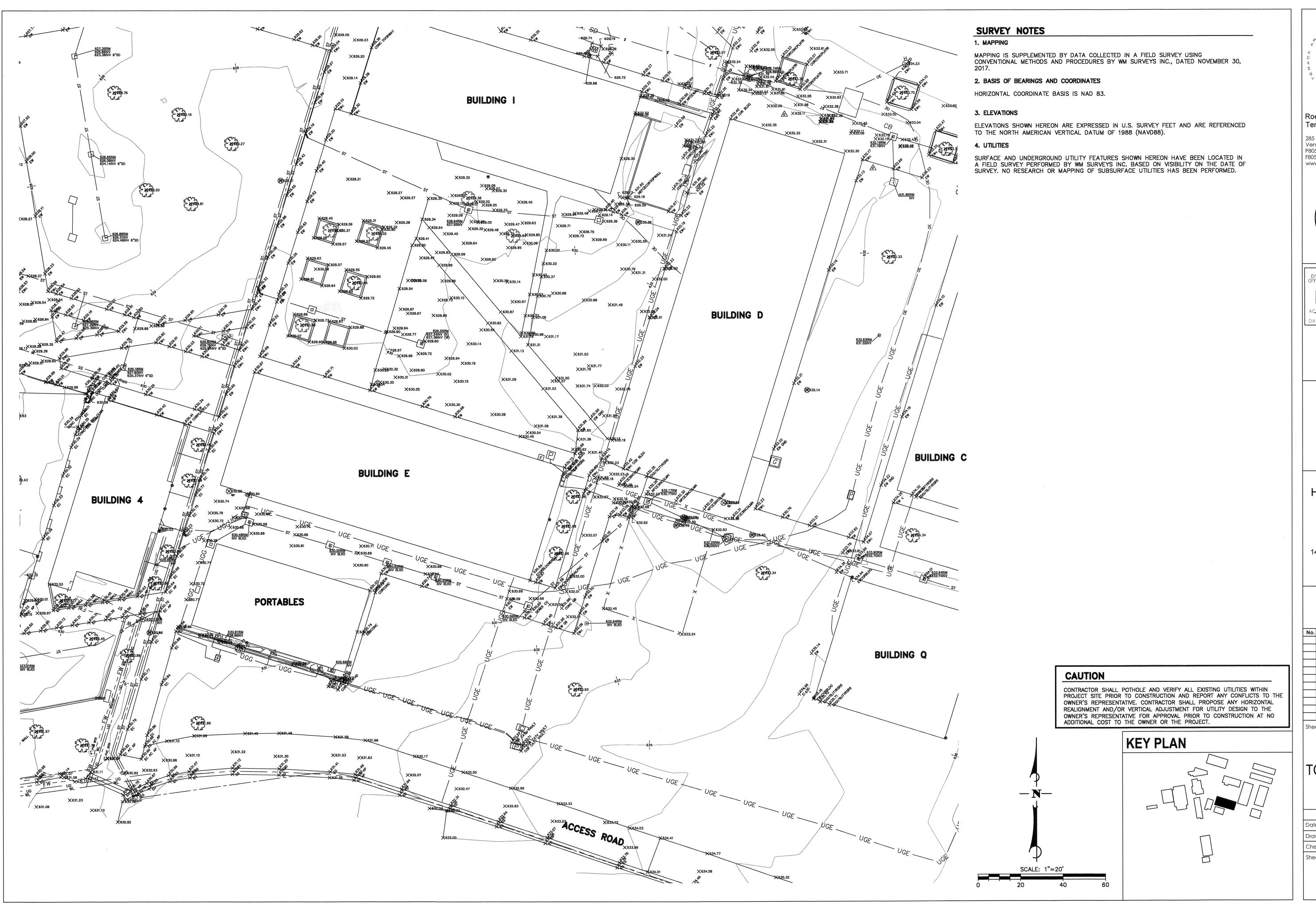
WM SURVEYS INC. MLLIAM L. MEAGHER, LS 5948 2747 SHERWIN AVE. #12

DATE OF SURVEY: NOVEMBER 21, 2017

414 EAST OJAI AVENUE OJAI, CA 93023

BENCH MARK DATA

TOPOGRAPHY DATA

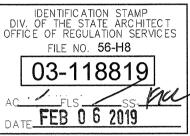




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OJAI UNIFIED SCHOOL DISTRICT

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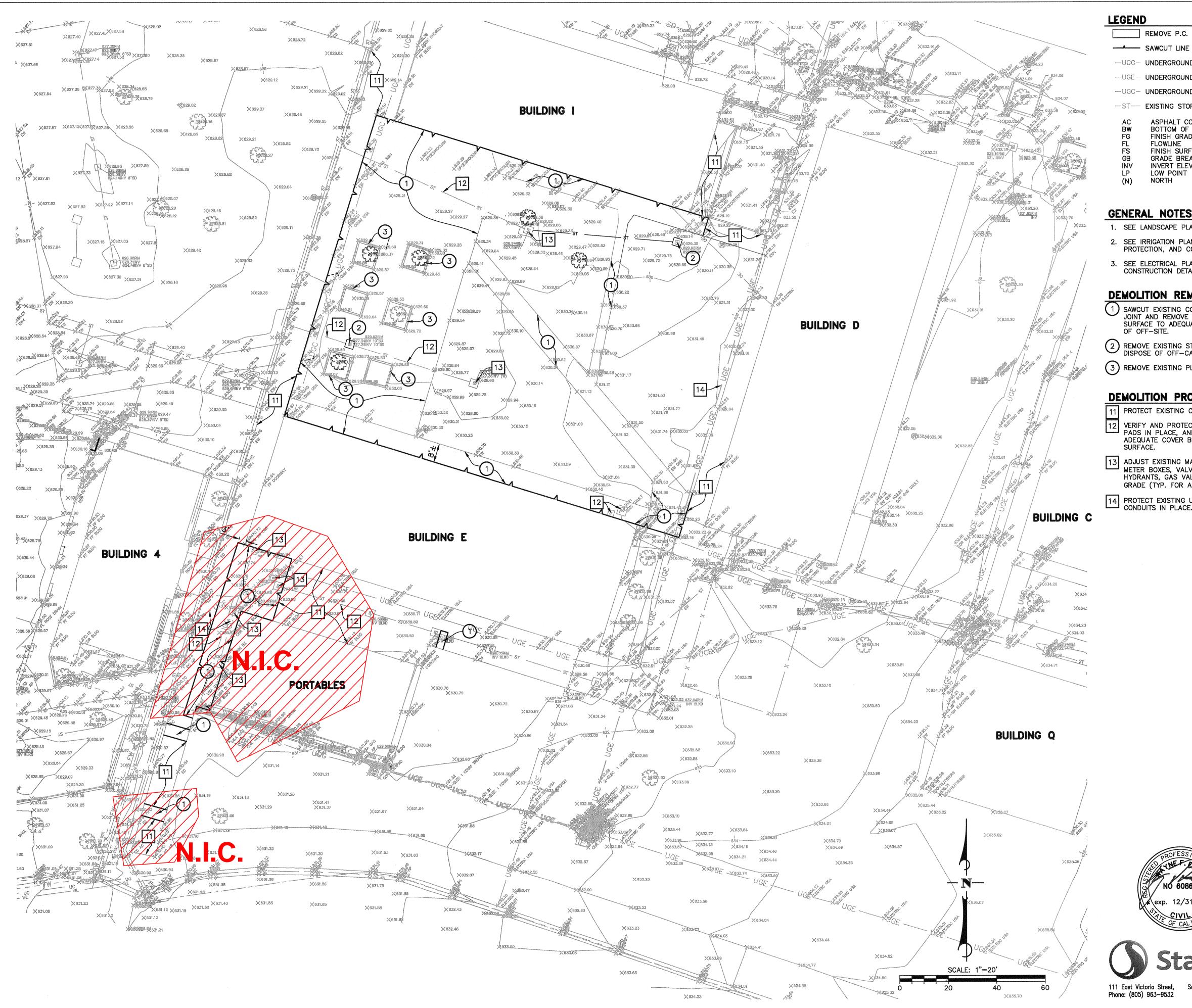
1401 MARICOPA HWY. OJAI, CA 93023

CONSTRUCTION DOCUMENTS

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SITE TOPOGRAPHIC MAP

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Date	08/10/18
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REMOVE P.C. CONCRETE

-UGG- UNDERGROUND GAS LINE

-UGE- UNDERGROUND ELECTRICAL CONDUIT

-UGC- UNDERGROUND COMMUNICATION CONDUIT

-ST- EXISTING STORM DRAIN

ASPHALT CONCRETE PD PERFORATED DRAIN BOTTOM OF WALL ELEV. P.L. PROPERTY LINE RIM ELEVATION FINISH GRADE R.O.W. RIGHT OF WAY FLOWLINE TOP OF CURB FINISH SURFACE GRADE BREAK TOP OF GRATE TOP OF WALL ELEV. INVERT ELEVATION (TYP.) TYPICAL LOW POINT

#### **GENERAL NOTES:**

- 1. SEE LANDSCAPE PLANS FOR TREE PROTECTION, REMOVAL, AND PLANTING DETAILS.
- 2. SEE IRRIGATION PLANS FOR IRRIGATION WATERLINE AND FEATURES REMOVAL, PROTECTION, AND CONSTRUCTION DETAILS.
- 3. SEE ELECTRICAL PLAN FOR SITE LIGHTING REMOVAL, PROTECTION, AND CONSTRUCTION DETAILS.

# **DEMOLITION REMOVAL NOTES:**

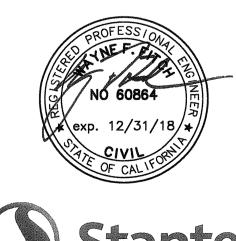
- 1) SAWCUT EXISTING CONCRETE PAVEMENT AT EXISTING SCORE MARK / CONSTRUCTION JOINT AND REMOVE ENTIRE CONCRETE PAVEMENT PANEL AND DETECTABLE WARNING SURFACE TO ADEQUATE DEPTH FOR PROPOSED CONSTRUCTION, AND LEGALLY DISPOSE
- 2 REMOVE EXISTING STORM DRAIN PIPE AND CATCH BASIN COMPLETE, AND LEGALLY DISPOSE OF OFF-CAMPUS.
- 3 REMOVE EXISTING PLANTER WALLS COMPLETE, AND LEGALLY DISPOSE OF OFF-CAMPUS.

#### **DEMOLITION PROTECTION NOTES:**

- 11 PROTECT EXISTING CONCRETE SIDEWALK IN PLACE.
- 12 VERIFY AND PROTECT EXISTING UTILITY LINES, BOXES, AND PADS IN PLACE, AND ADJUST TO MAINTAIN REQUIRED ADEQUATE COVER BELOW PROPOSED FINISH GRADE AND FINISH
- ADJUST EXISTING MANHOLES, STORM DRAIN CATCH BASINS, METER BOXES, VALVE BOXES/CANS, ELECTRICAL VAULTS, FIRE HYDRANTS, GAS VALVE CANS, ETC. TO PROPOSED FINISH GRADE (TYP. FOR ALL UTILITIES WITHIN PROJECT LIMITS).
- PROTECT EXISTING UNDERGROUND ELECTRICAL/COMMUNICATION CONDUITS IN PLACE.

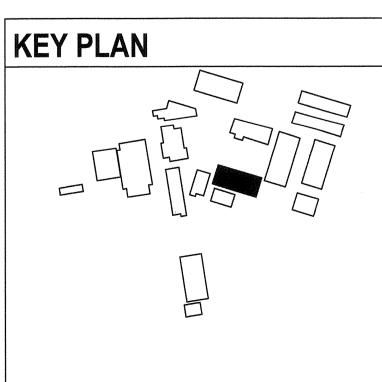
# CAUTION

CONTRACTOR SHALL POTHOLE AND VERIFY ALL EXISTING UTILITIES WITHIN PROJECT SITE PRIOR TO CONSTRUCTION AND REPORT ANY CONFLICTS TO THE OWNER'S REPRESENTATIVE. CONTRACTOR SHALL PROPOSE ANY HORIZONTAL REALIGNMENT AND/OR VERTICAL ADJUSTMENT FOR SITE AND UTILITY DESIGN TO THE OWNER'S REPRESENTATIVE FOR APPROVAL PRIOR TO CONSTRUCTION AT NO ADDITIONAL COST TO THE OWNER OR THE PROJECT.





111 East Victoria Street, Santa Barbara, CA 93101 Phone: (805) 963—9532 Fax: (805) 966—9801





Roesling Nakamura Terada Architects

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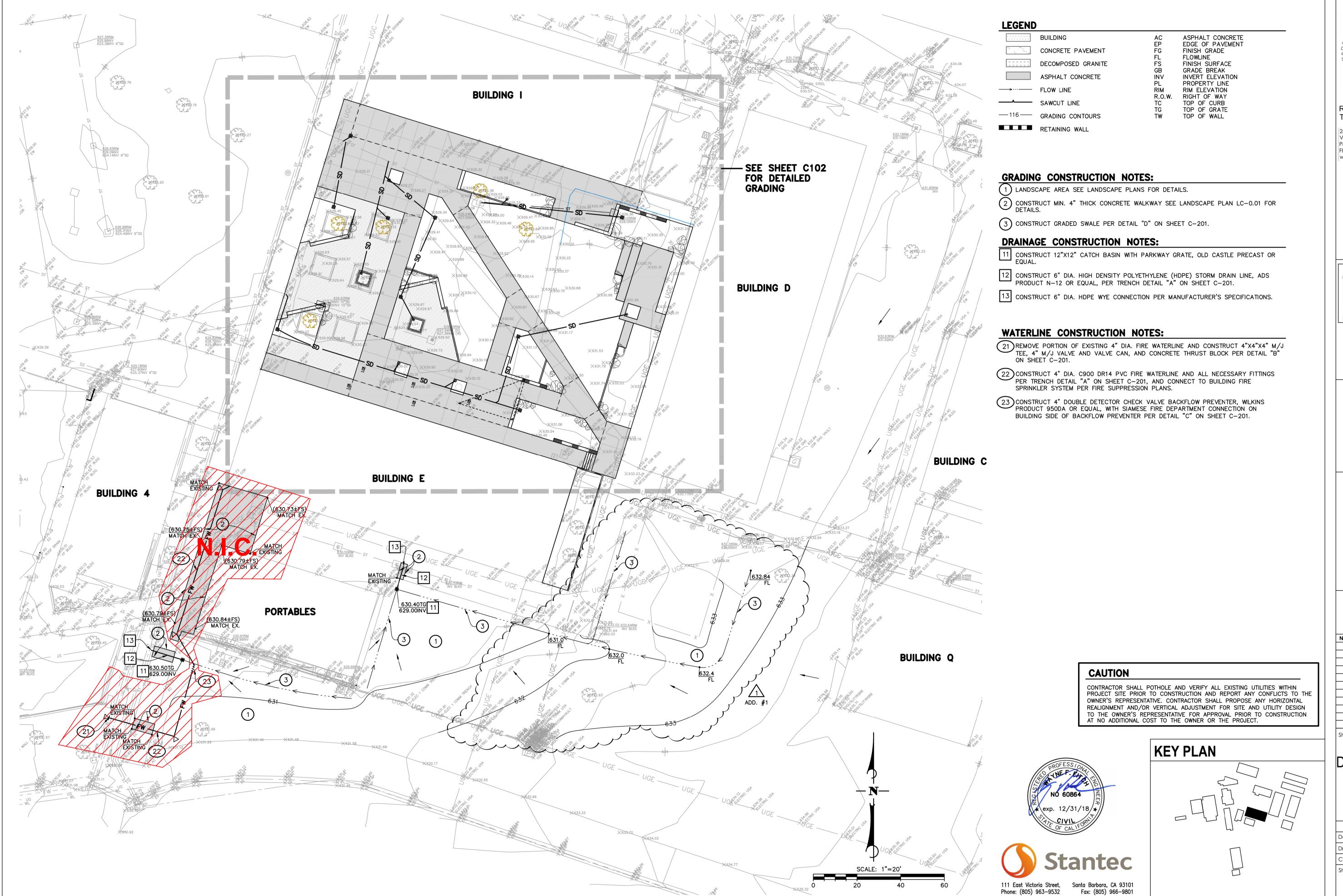
> CONSTRUCTION DOCUMENTS

Description	Date
	Description

Sheet Name

SITE DEMOLITION PLAN

	17770.00
Date	08/10/18
Drawn by	WF
Checked by	SW
Sheet Number	





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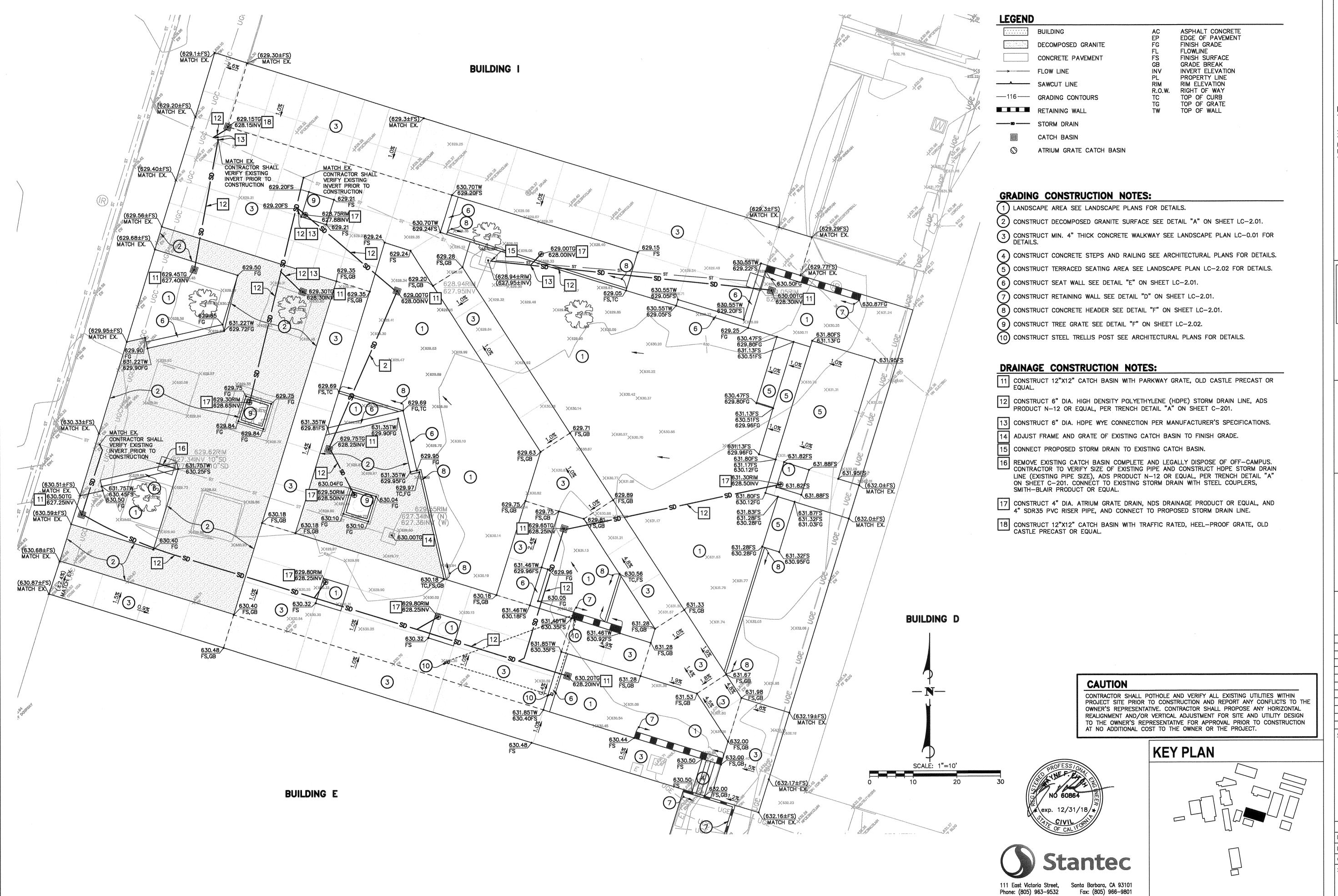
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CONSTRUCTION DOCUMENTS

No.	Description	Date

GRADING,
DRAINAGE, AND
WATERLINE
PLAN

	17770.00
Date	11/02/18
Drawn by	WF
Checked by	SW
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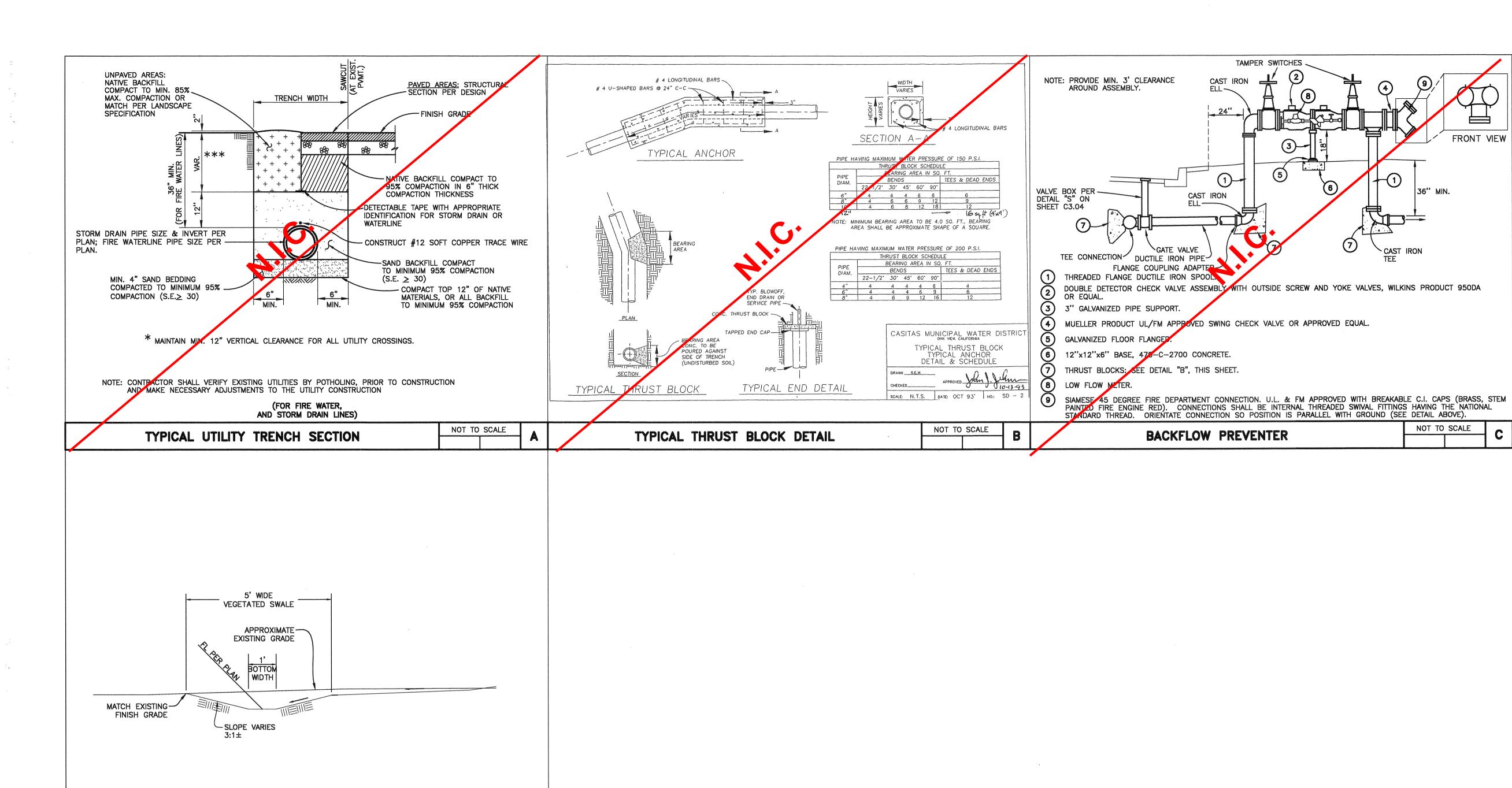
CONSTRUCTION DOCUMENTS

٧o.	Description	Date

Sheet Name

ENLARGED GRADING AND DRAINAGE PLAN

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	17770.00
Date	08/10/18
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NOT TO SCALE

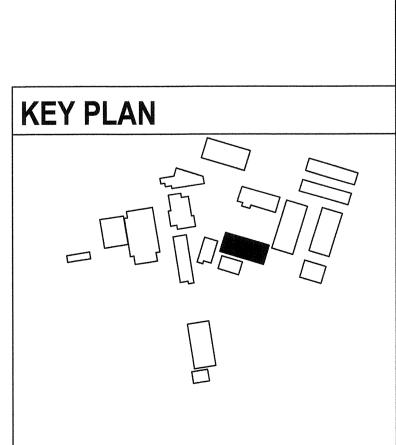
GRADED VEGETATED SWALE

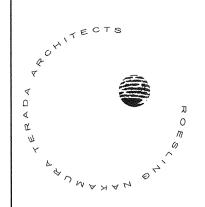


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**DETAILS** 

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PAVING SCHEDULE

ID#	ITEM	DESCRIPTION	DETAIL
P-1	CONCRETE PAVING	UNCOLORED CONCRETE WITH TOPCAST GRADE 3 FINISH. SAW CUT SCORE LINES. SEE LC-1.01 FOR HARDSCAPE AND SCORE LINE LAYOUT.	SEE ARCH
P-2	ENHANCED CONCRETE PAVING	UNCOLORED CONCRETE PAVEMENT WITH TOPCAST GRADE 50 FINISH. SAW CUT SCORE LINES. SEE LC-1.01 FOR HARDSCAPE AND SCORE LINE LAYOUT.	SEE ARCH
P-3	8" PLATFORMS WITH EMBEDDED BOULDERS	CONCRETE PLATFORMS WITH ENHANCED CONCRETE PAVING (P-2) FINISH ON ALL EXPOSED FACES FACES. SEE CIVIL FOR PLATFORM SPOT ELEVATIONS.	D / LC-2.02
	STAIRS WITH HANDRAIL, SEE ARCH	uncolored concrete pip stairs with topcast grade 3 finish.	SEE ARCH
P-5	METAL EDGING	METAL EDGING WITH 12" METAL STAKES PER MANUFACTURER SPECIFICATIONS.	C / LC-2.01
	STABILIZED	4" THICK DECOMPOSED GRANITE. BINDER TO BE NATRACIL ORGANIC BINDER, PRE-MIXED AT THE YARD PRIOR TO DELIVERY. PROVIDE 6" PERMALOC 'CLEANLINE XL' EDGE RESTRAINT BETWEEN DG AREA AND PLANTING AREAS. PROVIDE CONCRETE FLUSH HEADER BETWEEN DG AND TURF AREAS	A / LC-2.01
P-7	CONCRETE PAVING DOWELED INTO EXISTING CONCRETE	DOWEL PROPOSED CONCRETE TO EXISTING CONCRETE. SEE LC-1.01 FOR LAYOUT.	B / LC-2.01
P-8	SAW CUT SCORE LINE	SAW CUT SCORE LINES AS LAID OUT ON LC-1.01.	SEE ARCH
P-9	EXPANSION JOINT	EXPANSION JOINTS AS LAID OUT ON LC-1.01.	SEE ARCH
P-10	CONCRETE HEADER	UNCOLORED 6" x 8" AT GRADE CONCRETE HEADER WITH TOPCAST GRADE 3 FINISH.	F / LC-2.01

**AMENITIES SCHEDULE** 

ID#	ITEM	DESCRIPTION	DETAIL
A-1	SANDSTONE BOULDERS	'SANTA BARBARA SANDSTONE' TAN BOULDERS FROM LOCAL SOURCE. 18" – 72" BOULDERS WITH SMOOTH ROUNDED FACES; NO SHARP FRACTURES. NO BOULDERS SMALLER THAN 18" IN ANY DIMENSION. SIZE PER PLAN DESIGNATION.	A / LC-2.02
A-2	SANDSTONE BOULDER IN SEATWALL	'SANTA BARBARA SANDSTONE' TAN BOULDERS FROM LOCAL SOURCE. 18" – 72" BOULDERS WITH SMOOTH ROUNDED FACES; NO SHARP FRACTURES. NO BOULDERS SMALLER THAN 18" IN ANY DIMENSION. SIZE PER PLAN DESIGNATION. BOULDER EMBEDDED IN CIP CONCRETE SEATWALL.	B / LC-2.02
A-3	STEEL ADA COMPLIANT TREE GRATE, 1/2" MAX. OPENINGS	IRONSMITH MODEL #7254 72"X72" MARKET STREET TREE GRATE WITH 18" OPENING IN 4 SECTIONS.	F / LC-2.01

WALL AND FENCE SCHEDULE

WALL	AND LENCE 2CH	EDULE	
ID#	ITEM	DESCRIPTION	DETAIL
W-1	POURED IN PLACE CONCRETE RETAINING WALL	UNCOLORED POURED IN PLACE CONCRETE RETAINING SEATWALL WITH TOPCAST GRADE 50 FINISH.	D / LC-2.01
W-2	POURED IN PLACE RAISED RETAINING CURB	UNCOLORD POURED IN PLACE CONCRETE RETAINING CURB WITH TOPCAST GRADE 3 FINISH. SEE CIVIL PLANS FOR SPOT ELEVATION AND LOCATIONS.	SEE CIVIL
W-3	TWO SIDED POURED IN PLACE CONCRETE SEATWALL	UNCOLORED TWO SIDED POURED IN PLACE CONCRETE SEATWALL WITH TOPCAST GRADE 50 FINISH.	E / LC-2.01

BOULDER SCHEDULE

	THE REAL PROPERTY OF THE PARTY COME.				
ID#	ITEM	REMARKS	QTY	DETAIL	
			13 -	24"-36"	A&B / LC-2.02
A-1 &	SANDSTONE	18" - 72" DIA. LANDSCAPE BOULDER. PLACE PER PLAN	6 -	36"-48"	A&B / LC-2.02
A2	BOULDERS	W/DIRECTION OF LANDSCAPE ARCHITECT.	11 -	48''-60''	A&B / LC-2.02
			9 -	60"-72"	A&B / LC-2.02

#### **LANDSCAPE CONSTRUCTION NOTES:**

- LAYOUT OF FORMS SHALL BE INSPECTED AND APPROVED BY THE LANDSCAPE ARCHITECT OF RECORD 24 HOURS PRIOR TO POURING. INSPECTION PRIOR TO FORM CONSTRUCTION IS PREFERRED.
- 2. ALL PAVING AREAS SHALL BE GRADED NOT TO EXCEED 2% CROSS SLOPE IN ANY DIRECTION. WALKWAY RUNNING SLOPES SHALL NOT EXCEED 5% SLOPE UNLESS AN ADA RAMP IS PROVIDED. SEE CIVIL ENGINEERING GRADING PLANS FOR PRECISE GRADING OF ALL PAVING.
- 3. ALL CURVES ARE ARCS AND ALL ARC INTERSECTIONS ARE TANGENT.
- 4. CONTRACTOR SHALL COORDINATE INSTALLATION OF ELECTRICAL CONDUIT, IRRIGATION PIPE, AND UTILITY BOXES TO AVOID CONFLICTS WITH FOOTING, DRAINAGE AREAS, OR INSTALLATION OF AMENITIES SUCH AS BOLLARDS, BOULDERS, BENCHES, AND ROOF DRAINS.
- 5. BROOM FINISHES SHALL RUN PERPENDICULAR TO WALKS.
- 6. FINISH GRADE IN PLANTER AREAS IS 3" BELOW ADJACENT FINISH SURFACE, TYPICAL.
- 7. PRESERVE AND PROTECT ALL TREES THAT ARE TO REMAIN. DAMAGED TREES ARE TO BE REPLACED IN KIND AND SIZE BY CONTRACTOR. SEE TREE REMOVAL AND TREE PRESERVATION PLANS FOR MORE DETAIL.
- 8. SEE 'CONSTRUCTION PLAN', SHEET LC1.01 FOR LAYOUT OF HARDSCAPE ELEMENTS & AMENITIES NOT DEFINED ON THE CIVIL PLANS.

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CONSTRUCTION DOCUMENTS

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CONSTRUCTION
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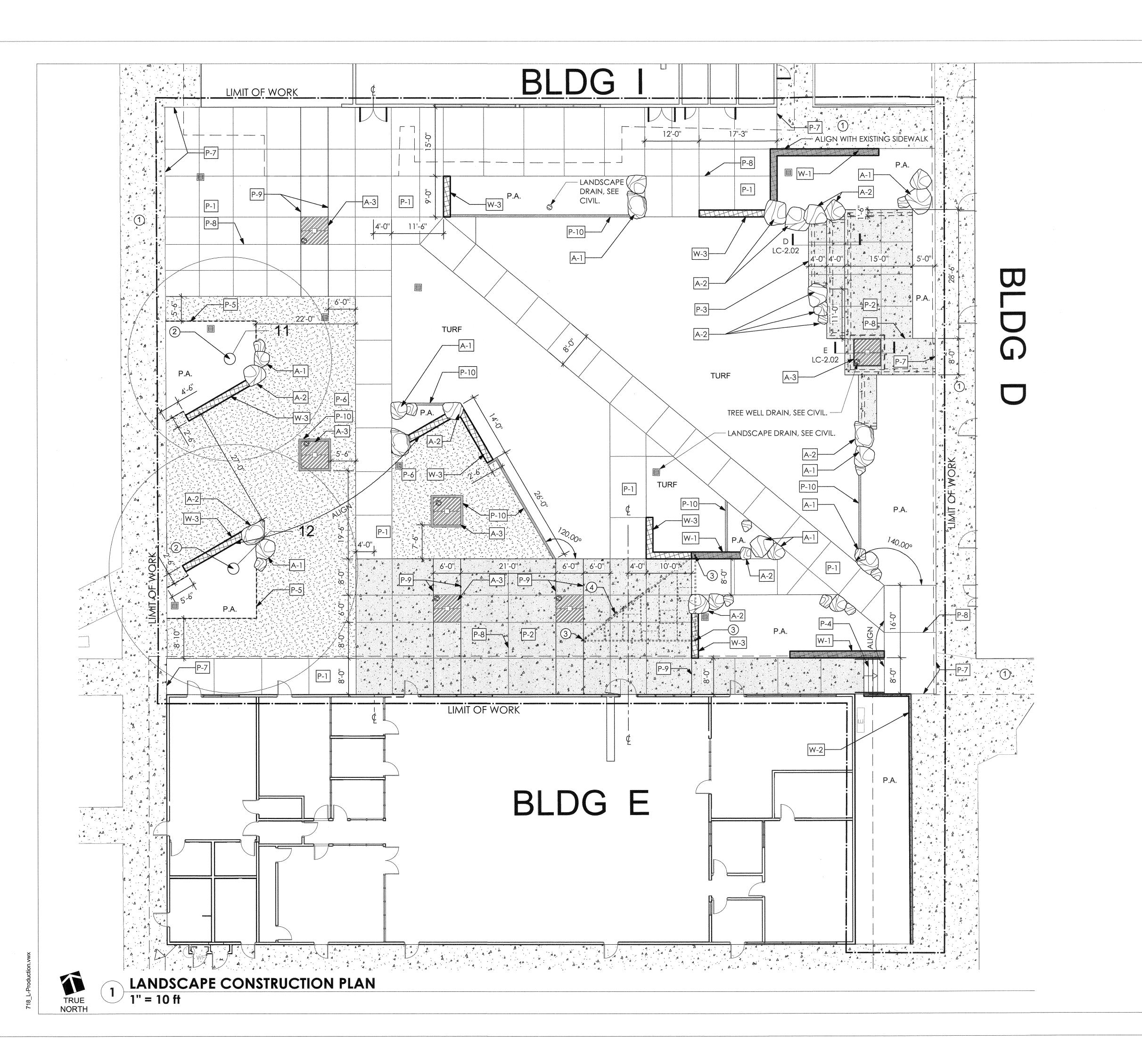
Date 7/24/2018

Drawn by CH

Checked by MZ

Sheet Number

LC-0.01



#### **CONSTRUCTION NOTES**

- 1. SEE SHEET LC-0.01 FOR DETAILED CONSTRUCTION NOTES, SCHEDULES AND DETAIL REFERENCES.
- 2. ALL PAVING AREAS SHALL BE GRADED NOT TO EXCEED 2% CROSS SLOPE IN ANY DIRECTION. WALKWAY RUNNING SLOPES SHALL NOT EXCEED 5% SLOPE UNLESS AN ADA RAMP IS PROVIDED. SEE CIVIL ENGINEERING GRADING PLANS FOR PRECISE GRADING OF ALL PAVING.
- 3. ALL PAVING SURFACES TO BE STABLE, FIRM, AND SLIP-RESISTANT.

# PAVING SCHEDULE (SEE LC-0.01)

#### ID# DESCRIPTION

- P-1 CONCRETE PAVING
- P-2 ENHANCED CONCRETE PAVING
- P-3 8" PLATFORMS WITH EMBEDDED BOULDERS
- P-4 STAIRS WITH HANDRAIL, SEE ARCH
- P-5 METAL EDGING
- P-6 STABILIZED DECOMPOSED GRANITE
- P-7 CONCRETE PAVING DOWELED INTO EXISTING CONCRETE
- P-8 SAW CUT SCORE LINE
- P-9 EXPANSION JOINT
- P-10 CONCRETE HEADER

#### AMENITIES SCHEDULE (SEE LC-0.01)

#### ID# DESCRIPTION

- A-1 SANDSTONE BOULDERS
- A-2 SANDSTONE BOULDER IN SEATWALL
- A-3 STEEL ADA COMPLIANT TREE GRATE, 1/2" MAX. OPENINGS

#### WALL AND FENCE SCHEDULE (SEE LC-0.01)

#### ID# DESCRIPTION

- W-1 POURED IN PLACE CONCRETE RETAINING WALL
- W-2 POURED IN PLACE RAISED RETAINING CURB
- W-3 TWO SIDED POURED IN PLACE CONCRETE SEATWALL

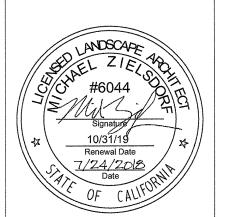
#### **EXISTING SITE ELEMENTS TO REMAIN**

#### ID# DESCRIPTION

- EXISTING SIDEWALK TO REMAIN
- EXISTING TREE TO REMAIN AND BE PROTECTED. SEE LP-0.03 FOR TREE PROTECTION AND REMOVALS PLAN
- STEEL TRELLIS POST, SEE ARCHITECTURAL PLANS AND
- STEEL TRELLIS WITH SIGNAGE, SEE ARCHITECTURAL PLANS



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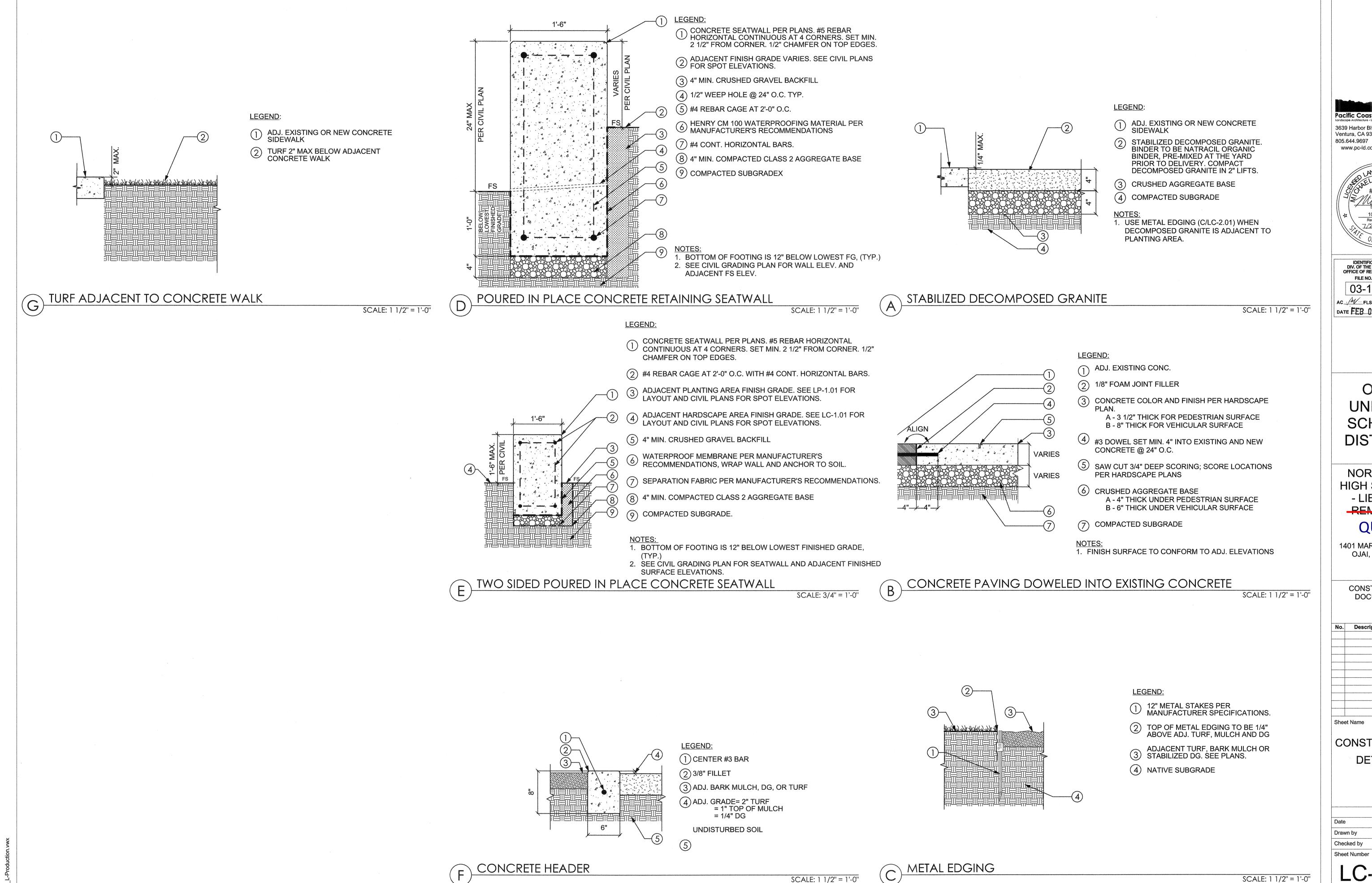
CONSTRUCTION PLAN

7/24/2018 Drawn by Checked by Sheet Number

LC-1.01

KEY PLAN 30 FT

20



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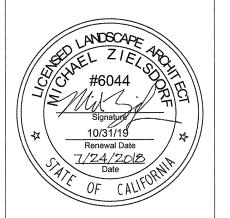
#### **IRRIGATION SCHEDULE - MASTER**

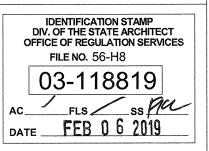
SYMBOL	DESCRIPTION	MANUFACTURER		MODEL		GPM	PSI	DETAIL / SHEET
BUBBLERS /	DRIP EMITTERS		SERIES	NOZZLE MODEL	BODY MODEL			
•	TREE BUBBLER	Rain Bird(R)	Root Watering System (RWS)	RWS-B-C-1402-SOCK		0.50	20 - 90	G / LI-2.2.01
DRIPLINE			SERIES	MODEL	ROW SPACING			
	ON-SURFACE DRIPLINE	Netafim(R)	Techline(R) CV Dripline	TLHCVXR7-12	1'6"	1.3	21.8 - 58	F / LI-2.02
	SUB-SURFACE DRIPLINE	Netafim(R)	Techline(R) CV Dripline	TLHCVXR7-12	1'0"	1.3	21.8 - 58	G / LI-2.02
VALVES			SERIES	MODEL				
M	GATE VALVE	Nibco	Gate Valve	T-113		0.25 - 30	10 - 150	B / LI-2.01
•	REMOTE CONTROL VALVE	Rain Bird(R)	PESB-R Series	100-PESB		0.25 - 200	20 - 200	B / LI-2.02
PIPE			TYPE	NOTES				
***************************************	POTABLE MAINLINE		PVC Schedule 40					C / LI-2.02
	LATERAL		PVC Schedule 40					C / LI-2.02
TORS OFFICERS ANNIHAL DEPUTES CARPOOS AND AND	SLEEVES		PVC Schedule 40					C / LI-2.02
POINT OF C	CONNECTION		MODEL	NOTES				
	BACKFLOW PREVENTER			Existing to remain. See Irrigation pla	an LI-1.01			NA
0	QUICK COUPLER	Rainbird	33-DLRC					A / LI-2.01
CONTROLL	ER		MODEL	ENCLOSURE				
C	CONTROLLER	Weathermatic	SL1600	Existing Wall Mount in Utility Closet				NA
MISCELLAN	IEOUS							
PB	PULL BOX	NA						D / LI-2.02
*	FLUSH VALVE	NA						A / LI-2.02

#### **IRRIGATION NOTES**

- 1. IF IT IS FOUND DURING INSTALLATION THAT THE SITE VARIES FROM THE DRAWINGS, NOTIFY THE PROJECT MANAGER BEFORE PROCEEDING WITH THE WORK.
- 2. COORDINATE THE INSTALLATION OF ALL SLEEVING WITH CIVIL ENGINEER'S PLANS, ARCH. FOUNDATION PLANS, STRUCTURAL PLANS AND LANDSCAPE CONSTRUCTION PLANS.
- 3. PIPE SLEEVE SHALL ALLOW FOR IRRIGATION PIPING AND RELATED COUPLINGS TO EASILY SLIDE THROUGH SLEEVING. EXTEND NEW SLEEVES 12 INCHES BEYOND EDGE OF PAVING. ALL IRRIGATION MAINLINE CROSSINGS SHALL BE INSTALLED IN SCHEDULE 40 SLEEVES THAT ARE A MIN. OF 2X THE DIAMETER OF THE PRESSURE PIPE. PROVIDE LOCATOR WIRE OR TAPE ALONG LENGTH OF SLEEVE. ALSO PROVIDE A SEPARATE IRRIGATION WIRE CONDUIT TAPED TO MAINLINE SLEEVE SIZED TO EASILY PULL WIRES THAT RUNS PARALLEL TO THE SLEEVE. ALL SLEEVES AND CONDUIT MUST BE PERPENDICULAR TO ROAD.
- 4. COORDINATE THE INSTALLATION OF ALL IRRIGATION MATERIALS, INCLUDING PIPE, WITH THE PLANTING PLAN TO AVOID INTERFERING WITH THE PLANTING.
- 5. CONTRACTOR SHALL TEST PRESSURE PRIOR TO CONSTRUCTION. IF PRESSURE IS LESS THAN 80 PSI, NOTIFY THE PROJECT MANAGER PRIOR TO CONSTRUCTION.
- 6. IRRIGATION DRAWINGS ARE DIAGRAMMATIC. LOCATE MAIN LINE AS DIRECTED PER PLAN. LOCATE NEW PIPELINES, VALVES AND EQUIPMENT IN PLANTING AREAS WHEREVER POSSIBLE.
- 7. PVC SHALL BE LAID WITH CONNECTIONS HORIZONTAL, NOT VERTICAL.
- 8. SCHEDULE 40 PVC ONLY, NO EXCEPTIONS.
- 9. ALL NEW TREES SHALL RECEIVE (2) ROOT WATERING SYSTEMS,
- 10.IRRIGATION CONTROLLER TO BE WEATHER- OR SOIL MOISTURE-BASED CONTROLLER THAT AUTOMATICALLY ADJUST IRRIGATION IN RESPONSE TO CHANGES IN PLANTS' NEEDS AS WEATHER CONDITIONS CHANGE. WEATHER-BASED CONTROLLERS WITHOUT INTEGRAL RAIN SENSORS OR COMMUNICATION SYSTEMS THAT ACCOUNT FOR LOCAL RAINFALL SHALL HAVE A SEPARATE WIRED OR WIRELESS RAIN SENSOR WHICH CONNECTS OR COMMUNICATES WITH THE CONTROLLER(S). SOIL MOISTURE-BASED CONTROLLERS ARE NOT REQUIRED TO HAVE RAIN SENSOR INPUT. (CA GREEN BUILDING STANDARDS CODE 4.304.1 IRRIGATION CONTROLLERS)
- 11.PRESSURE TEST ON ALL MAINLINES 4 HOURS AT 150 PSI. CALL INSPECTOR 24 HOURS PRIOR TO TEST.
- 12.NO IRRIGATION LINES SHALL BE PLACED UNDER ROOTBALLS OF EXISTING OR PROPOSED PLANTS.
- 13.PRESSURE REGULATING DEVICES ARE REQUIRED IF WATER PRESSURE EXCEEDS THE RECOMMENDED PRESSURE OF THE SPECIFIED IRRIGATION DEVICES
- 14. CHECK VALVES OR ANTI-DRAIN VALVES ARE REQUIRED ON ALL HEADS WHERE LOW POINT DRAINAGE COULD OCCUR
- 15.A DIAGRAM OF THE IRRIGATION PLAN SHOWING HYDROZONES SHALL BE KEPT WITH THE IRRIGATION CONTROLLER FOR SUBSEQUENT MANAGEMENT PURPOSES
- 16.AN IRRIGATION AUDIT REPORT SHALL BE COMPLETED AT THE TIME OF FINAL INSPECTION
- 17.A CERTIFICATE OF COMPLETION SHALL BE FILLED OUT AND CERTIFIED BY EITHER THE DESIGNER OF THE LANDSCAPE PLANS, IRRIGATION PLANS, OR THE LICENSED LANDSCAPE CONTRACTOR FOR THE PROJECT.

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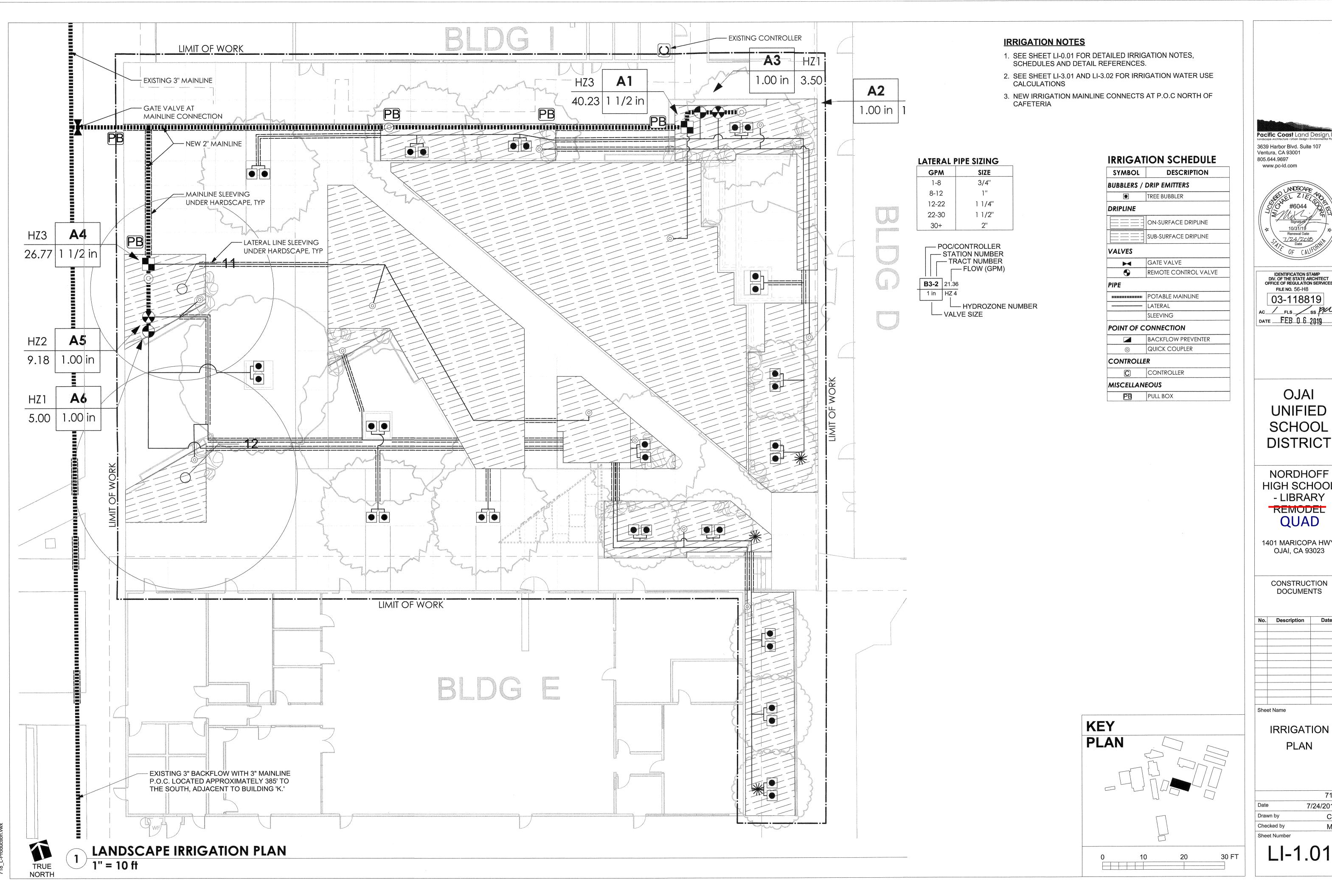
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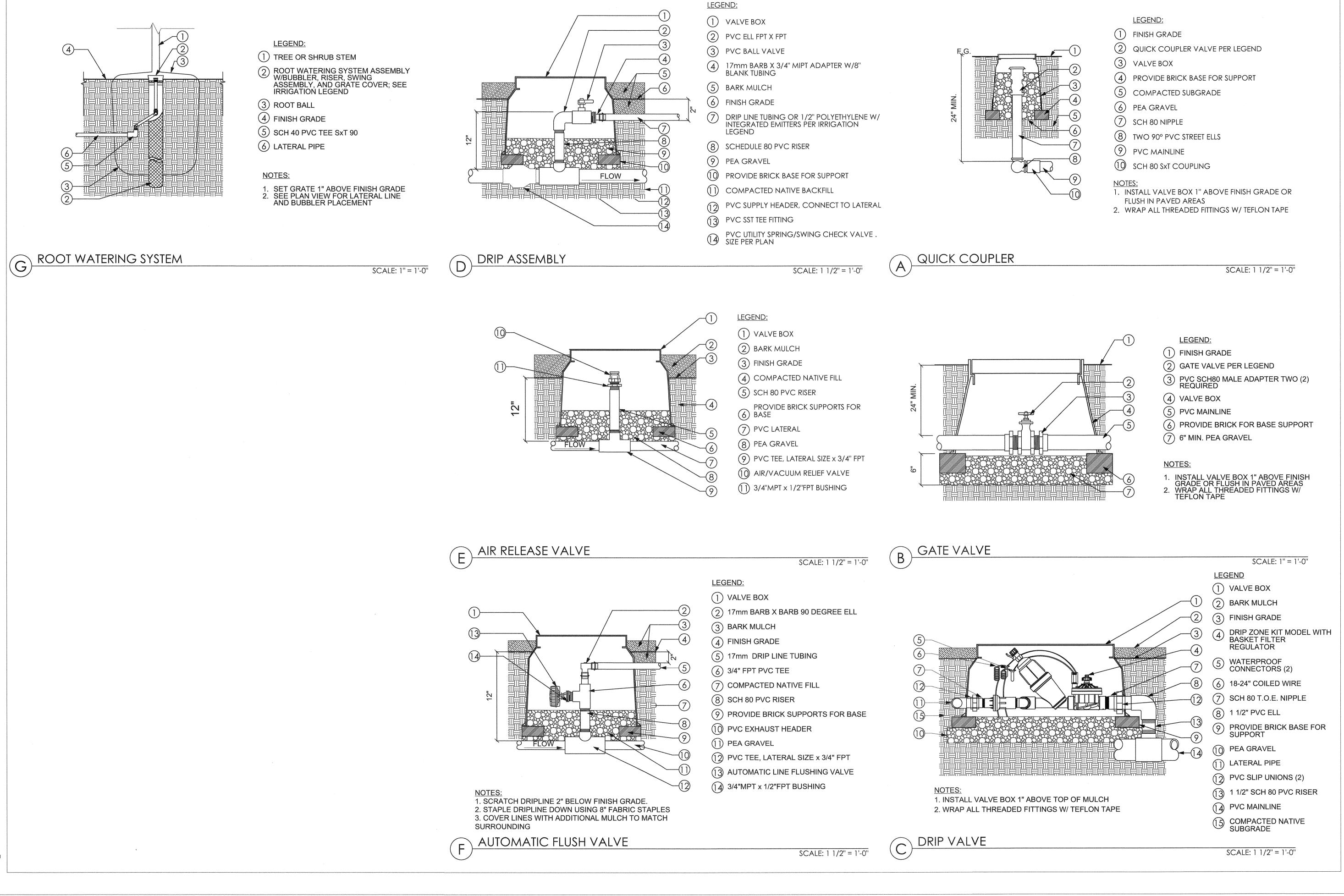
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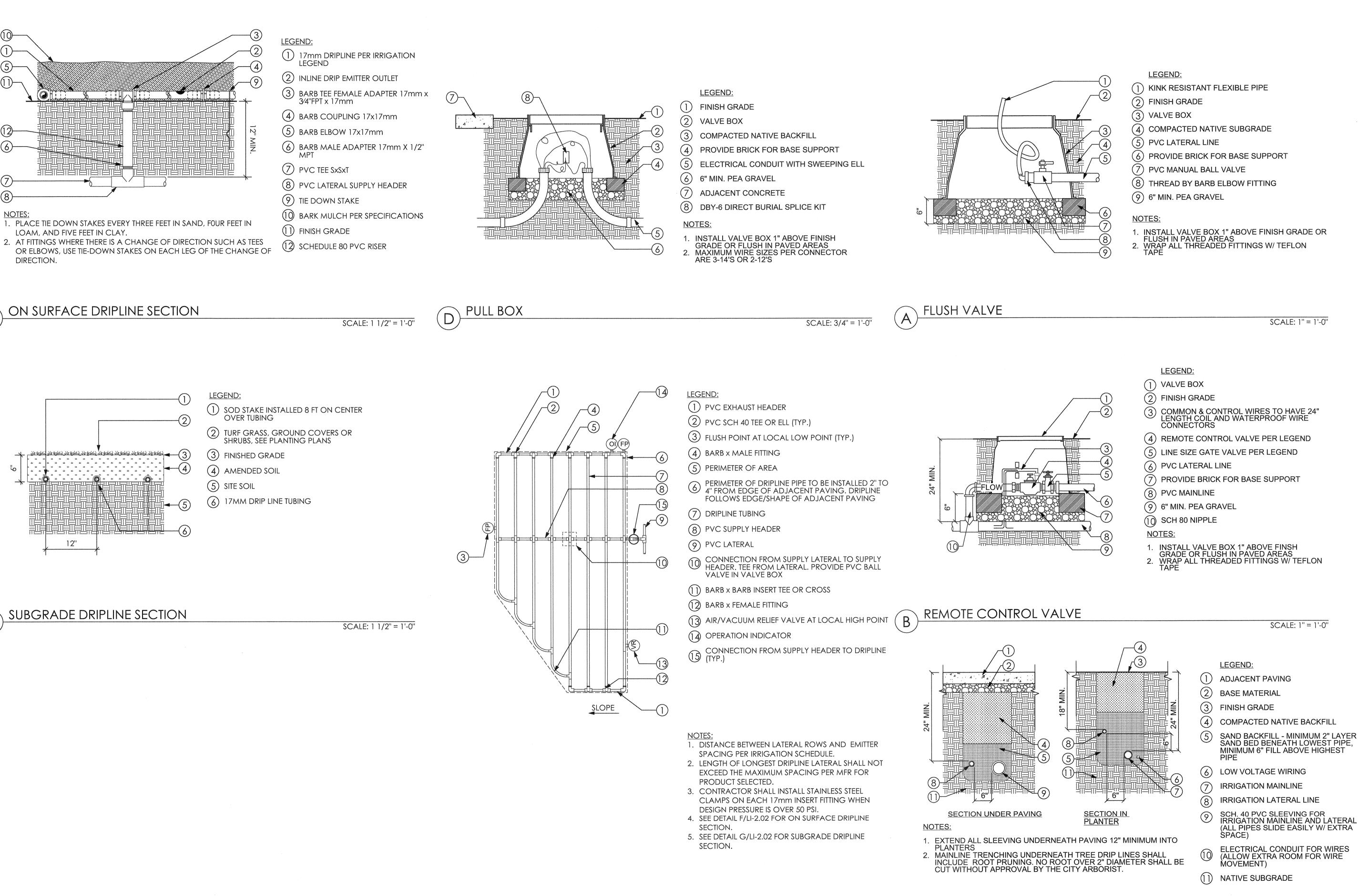
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IRRIGATION

**DETAILS** 

718

CH

7/24/2018

6 LOW VOLTAGE WIRING

SCALE: 1" = 1'-0"

SCALE: 1" = 1'-0"

IRRIGATION MAINLINE IRRIGATION LATERAL LINE

SCH. 40 PVC SLEEVING FOR IRRIGATION MAINLINE AND LATERAL (ALL PIPES SLIDE EASILY W/ EXTRA

ELECTRICAL CONDUIT FOR WIRES (ALLOW EXTRA ROOM FOR WIRE MOVEMENT)

(11) NATIVE SUBGRADE

Sheet Number

Drawn by

Checked by

DRIPLINE LAYOUT

TRENCHING

SCALE: 1/8" = 1'-0"

SCALE: 3/4" = 1'-0'

#### ANTICIPATED MONTHLY IRRIGATION SCHEDULE

						1033		JAN			FEB			MAR			APR			MAY			JUNE			JULY			AUG			SEP			OCT			NOV			DEC		ANNUAL
			irr.	pre	ecip pl	ant c	laily	freq.	total	daily	freq.	total	daily	freq.	total	daily	freq.	total	daily	freq.	total	daily	freq.	total	daily	freq.	total	daily	freq.	total	daily	freq.	total	daily	freq.	total	daily	freq.	total	daily	freq.	total	total
valve her	flow	irr.	effcy.	area ate	e (PR) fac	tor ru	ntime	per	ETWU	runtime	per	ETWU	runtime	per	ETWU	runtime	per	ETWU	runtime	per	ETWU	runtime	per	ETWU	runtime	per	ETWU	runtime	per	ETWU	runtime	per	ETWU	runtime	per	ETWU	runtime	per	ETWU	runtime	e per	ETWU	ETWU
no. HZ# hydrozone	(GPM)	type	(IE)	(sq.ft.) (in	n/hr.) (I	'F) (1	min.)	week	Gallons	(min.)	week	Gallons	(min.)	week	Gallons	(min.)	week	Gallons	(min.)	week	Gallons	(min.)	week	Gallons	(min.)	week	Gallons	(min.)	week	Gallons	(min.)	week	Gallons	(min.)	week	Gallons	(min.)	week	Gallon	s (min.)	week	Gallons	Gallons
A1 3 turf	40.23	sub-surface drip	0.85	3,244 1	1.19 C	.7	21	1	3,644	12	2	4,307	15	2	5,301	18	2	6,295	22	2	7,620	22	2	7,785	26	2	9,111	23	2	8,117	20	2	6,792	16	2	5,632	12	2	4,141	19	11	3,313	72,057
A2 2 shrub	13.65	on-surface drip	0.81	1,722 0	0.76	.3	15	1	870	9	2	1,028	11	2	1,266	13	2	1,503	15	2	1,819	16	2	1,859	18	2	2,175	16	2	1,938	14	2	1,621	11	2	1,345	8	2	989	13	11	791	17,203
A3 1 tree	4.00	bubbler	0.81	637 C	0.60	.2	4	3	215	4	4	254	4	5	312	4	5	371	4	6	449	4	6	459	4	7	537	4	7	478	4	6	400	4	5	332	4	4	244	4	3	195	4,245
A4 3 turf	26.77	sub-surface drip	0.85	2,033 1	1.27	.7	20	1	2,284	12	2	2,699	14	2	3,322	17	2	3,944	21	2	4,775	21	2	4,879	25	2	5,709	22	2	5,086	18	2	4,256	15	2	3,529	22	1	2,595	18	11	2,076	45,153
A5 2 shrub	9.18	on-surface drip	0.81	1,946 C	0.45	.3	12	2	983	15	2	1,162	18	2	1,430	21	2	1,699	17	3	2,056	18	3	2,101	21	3	2,458	18	3	2,190	15	3	1,833	19	2	1,520	14	2	1,117	11	2	894	19,443
A6 1 tree	9.50	bubbler	0.81	823 1	1.11 C	.2	3	2	277	3	3	327	3	3	403	4	3	479	4	4	579	4	4	592	4	4	693	4	4	617	3	4	516	3	3	428	3	3	315	3	2	252	5,478
			PO	C 'A' Total D	Daily Run	ime	1.3			0.9			1.1			1.3		are a finite consequence of the section in the section of the sect	1.4			1.4			1.6			1.5			1.2			1.1			1.1			1.1			163,579
													,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		hittoria de la completa del la completa de la completa del la completa de la completa del la completa de la completa de la completa del la completa de la completa del la completa		<del></del>					<u></u>			and the second second second second second second	era alla a francisco de la frança pera para analigar pera francis por la periode de la constante del	ni, ina ang mana ana ana ana ana ana ana ana ana an											А	NNUAL ESTI	MATED WAT	ER USE (gal	ons per year	r) 163,579

DDECCUDE LOCC OALOULATION (MODOT OACE)

TATION: X#	OTABLE WATER  STATIC PRESSURE: XXX PSI	GPM: XX.XX
	DESCRIPTION	PSI
•	1 1/2" WATER METER	3.00
P.O. C.	1 1/4" REDUCED PRESSURE BACKFLOW	12.00
<u>.</u>	FITTINGS LOSSES (EST.)	0.50
	TOTAL	15.50
***	2" MASTER VALVE	0.45
<u>"</u>	1 1/2" FLOW METER	0.50
MAINLINE	2" MAINLINE (XX LF)	4.66
<b>₹</b>	MAINLINE FITTINGS (@ 10%)	0.47
	MAINLINE LOSS TOTAL	6.08
	1 1/2" CONTROL VALVE	0.85
RA	LATERAL LINE (XX LF, SIZES PER PLAN)	1.57
LATERAL	LATERAL FITTINGS (@ 23%)	0.36
epotent.	LATERAL LOSS TOTAL	2.78
	COMPONENT LOSS TOTAL (P.O.C.+MAINLINE+LATERAL LINE)	24.36
	REQUIRED AT HEAD	30.00
REQUIRED	COMPONENT LOSSES PLUS HEAD LOSS	54.36
REG	10% SAFTEY FACTOR	5.44
	TOTAL PRESSURE REQUIRED	59.79
,tents	STATIC PRESSURE	150.00
υğ	PRESSURE LOSS/GAIN FROM ELEVATION CHANGE (+/- 0.433 PSI/F	-5.60
RESIDUAI	TOTAL AVAILABLE PRESSURE	144.40
<u>~</u>	RESIDUAL PRESSURE (TOTAL AVAILAIBLE - TOTAL REQUIRED)	84.61
	TOTAL PRESSURE ABOVE THE MINIMUM REQUIRED	
	PRESSURE REGULATOR NEEDED	

#### ATTACHMENT A WATER EFFICIENT LANDSCAPE WORKSHEET

PROJECT NAME: Nordoff High School Commercial PROJECT TYPE: Ojai, CA] PROJECT LOCATION: **REFERENCE ETO:** 43.5 10,406 sf

TOTAL IRRIGATED LANDSCAPE AREA:

# **MONTHLY ETO**

ETO:	Ojai, C	A					-					
jan.	feb.	mar.	april	may	june	july	aug.	sept.	oct.	nov.	dec.	annual
2.2	2.6	3.2	3.8	4.6	4.7	5.5	4.9	4.1	3.4	2.5	2.0	43.5

#### Maxium Applied Water Allowance (MAWA)

#### $MAWA = (ETO) (0.62) [ (ETAF \times LA) + ((1 - ETAF) \times SLA) ]$

MAWA= Maximum Applied Water Allowance ETo = Reference Evapotranspiration (inches per year)

0.62 = Conversion factor (to gallons per square foot) ETAF = Evapotranspiration Adjustment Factor = 0.45 for Non-residential Areas

LA = Landscaped Area including SLA (sq ft)

SLA = Portion of Landsape Area identified as Special Landscape Area - see Definitions (square feet)

#### Applicant to fill in boxes below:

10,406 Irrigated Landscape Area including Special Landscape Area/SLA (square feet) 5,277 Portion of Landscape Area identified as Special Landscape Area (square feet)

Total MAWA								204,571	(gallons per year)
MAWA for SLA*	43.5	Χ	0.55	Χ	5,277	Х	0.62	78,279	
MAWA for Total LA	43.5	Х	0.45	Χ	10,406	Χ	0.62	126,292	
	ETo		ETAF		AREA (sf)		Conversion	MAWA	

Estimated Total Water Use (ETWU)  $ETWU = (ETo) (0.62) [ (PF \times HA) / IE + SLA) ]$ 

ETWU = Estimated Total Water Use ETo = Reference Evapotranspiration (inches per year) 0.62 = Conversion factor (to gallons per square foot) PF = Plant Factor from WUCOLS (see Table A)

HA = Hydrozone Area (square feet) IE = Irrigation Efficiency (see Table B)

SLA - Portion of Landsape Area identified as Special Landscape Area - see Definitions (square feet)

ndscape Areas	
Total ETAF x Area	1,719
Total Area	5,129
Average ETAF	0.34
	Total ETAF x Area Total Area

iotal EIAF X Area 6,996 10,406 Total Area 0.67 Sitewide ETAF

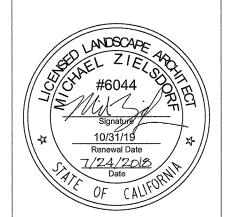
Average ETAF meets requirement for this site type.

ETWU arrived from	Hydrozone Table		188,695	gallons per y	ear	ETWU meets	MAWA rec	uirement.	
HYDROZONE TABLE									
hydrozone	plant water use	plant factor (PF)	irrigation method	irrigation efficiency (IE)	ETAF (PF/IE)	hydrozone area (HA) (sf)	ETAF X Area	% of landscape area	Hydrozone ETWU
REGULAR LANDSCAPE	AREAS								-
1 - tree	low	0.2	drip	0.81	0.25	1,460	361	14%	9,723
2 - shrub	low	0.3	drip	0.81	0.37	3,669	1,359	35%	36,646
			Regul	ar Landscape A	rea Subtotal	5,129	1,719	49%	46,369
SPECIAL LANDSCAPE A	AREAS (SLA)								
3 - turf					1.00	5,277	5,277	51%	142,326
			Speci	ial Landscape A	rea Subtotal	5,277	5,277	51%	142,326
					Total	10,406	6,996	100%	188,695

Table A - PF (Plant Factor)		Table B - IE (Irrigation Efficiency)	
Cool Season Turf*	8.0	Overhead Spray	0.75
Warm Season Turf**	0.6	Drip	0.81
High Water Using Plants	0.8 can be between 0.7 - 0.9	*Dripline	0.85
Moderate Water Using Plants	0.5 can be between 0.4 - 0.6	*ECO-mat	0.89
Low Water Using Plants	0.2 can be between 0.1 - 0.3		
Very Low water Using Plants	0.1 below 0.1	*note: adjustment can be made based on exact type of	equipment, see irrigation legend

<sup>\*</sup> species include tall fescue, ryegrass, bentgrass and kentucky bluegrass

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CONSTRUCTION **DOCUMENTS** 

IRRIGATION CALCULATIONS

Sheet Name

718 7/24/2018 Drawn by CH Checked by ΜZ Sheet Number

<sup>\*\*</sup> species include bermudagrass, zoysiagrass, st. augustinegrass

#### PLANT SCHEDULE - TREES

SYMBOL	QTY	LATIN NAME	COMMON NAME	WUCOLS	SIZE
TREES					
	7	Arbutus x 'Marina'	Marina Strawberry Tree	L	24" box Multi
	1	Platanus racemosa	California Sycamore	М	48" box
	7	Platanus racemosa	California Sycamore	М	36" box
	2	Quercus agrifolia	Coast Live Oak	L	48" box

#### **PLANT SCHEDULE - SHRUBS AND VINES**

SYMBOL	QTY	LATIN NAME	COMMON NAME	WUCOLS	SIZE
SHRUBS					
#	27	Agave attenuata	Foxtail Agave	L	10G
	29	Agave 'Blue Flame'	Blue Flame Agave	L	5G
<b>30</b>	9	Agave vilmoriniana	Octopus Agave	L	5G
<u> </u>	18	Aloe striata	Coral Aloe	L	5G
	74	Arctostaphylos 'Pacific Mist'	Manzanita	L	10G

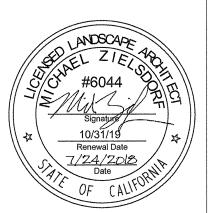
#### PLANT SCHEDULE - GROUNDCOVERS AND TURF

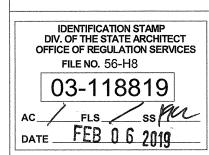
SYMBOL	QTY.	LATIN NAME	COMMON NAME	WUCOLS	SIZE / SPACING
TURF					
ماه	5,261 sf.	Pennisetum clandestinum	Kikuyugrass 'AZ-1'	М	From seed

#### **PLANTING NOTES**

- 1. ALL PLANTED AREAS SHALL BE THOROUGHLY RIPPED TO A DEPTH OF 8", USING RIPPER WITH TEETH NO WIDER THAN 12" O.C. WHERE POSSIBLE. THE RIPPING SHOULD BE DONE IN TWO DIRECTIONS TO REDUCE THE COMPACTION WHICH OCCURS AS A RESULT OF CONSTRUCTION.
- 2. THE CONTRACTOR SHALL COLLECT A MINIMUM OF EIGHT SOIL SAMPLES FROM NEW PLANTING AREAS FOR AGRONOMIC TESTING & AMENDMENT RECOMMENDATIONS FROM FRUIT GROWERS LAB @ (805) 392-2000. RESULTS SHALL BE TRANSMITTED TO CLIENT AND LANDSCAPE ARCHITECT OF RECORD. SOIL MANAGEMENT REPORT RECOMMENDATIONS SHALL ADDRESS THE FOLLOWING AT A MINIMUM: SOIL TEXTURE, SOIL INFILTRATION RATE, SOIL PH, AND SUGGESTED AMENDMENTS BASED UPON PROPOSED PLANTING PALETTE. SEE SPECIFICATIONS.
- 3. FOR SOILS LESS THAN 6% ORGANIC MATTER IN THE TOP 6 INCHES OF SOIL, COMPOST AT A RATE OF A MINIMUM OF FOUR CUBIC YARDS PER 1,000 SQUARE FEET OR PERMEABLE AREA SHALL BE INCORPORATED TO A DEPTH OF SIX INCHES INTO THE
- 4. ALL AMENDMENTS TO BE APPLIED PER SOIL MANAGEMENT REPORT, OR IF NO TECHNIQUE IS SPECIFIED, THEN MIXED TOGETHER AND ROTOTILLED INTO PLANTING AREAS TO A DEPTH OF 6". (UNTIL RESULTS OF SOIL MANAGEMENT REPORT ARE OBTAINED, THE FOLLOWING AMENDMENTS MAY BE USED FOR BID PURPOSES ONLY. RESULTS OF SOILS ANALYSIS SUPERSEDE THESE QUANTITIES):
  - 5 LBS/1000 SF POTASSIUM SULFATE
  - 5 LBS/1000 SF AMMONIUM SULFATE
  - 5 LBS/1000 SF SINGLE SUPERPHOSPHATE OR EQ.
  - 80 LBS/1000 SF AGRICULTURAL GYPSUM
  - 6 CY GENERAL PURPOSE SOIL AMENDMENT
- 5. BACKFILL PER CY FOR CONTAINER PLANTS (BACKFILL MIX PROVIDED FOR BID PURPOSES ONLY. RESULTS OF SOILS ANALYSIS SUPERSEDE THESE QUANTITIES):
  - 1/4 LB POTASSIUM SULPHATE
  - 1/4 LB AMMONIUM SULPHATE
  - 1/5 LB SINGLE SUPERPHOSPHATE OR EQ.
  - 4 LBS AGRICULTURAL GYPSUM
  - 5 PARTS BY VOLUME NATIVE SOIL
  - 1 PART BY VOLUME AQUINAGA TURF PLUS
- 6. GRO-POWER PLANTING TABLETS PLACED 2 INCHES DEEP AND 2" OUTSIDE ROOT BALL: (3) PER 1 GAL; (9) PER 5 GAL; (15) PER 15 GAL, (24) PER 24" BOX AND (24) PER 36" BOX
- 7. ALL TREES WITHIN 5 FT. OF PAVEMENT TO HAVE CENTURY PRODUCTS LINEAR CP36-2 'POLYETHYLENE' ROOT BARRIERS INSTALLED PER MANUFACTURER'S RECOMMENDATIONS 1 1/2" OFF BACK OF CURB OR EDGE OF PAVEMENT. ROOT BARRIER TO BE INSTALLED AT BACK OF HARDSCAPE, IN 10 FOOT PANELS CENTERED ON THE TREE TRUNK, (NOT IN CIRCLE AROUND ROOT BALL).
- 8. PLANT MATERIAL QUANTITIES LISTED FOR CONVENIENCE OF CONTRACTOR. ACTUAL NUMBER OF SYMBOLS SHALL HAVE PRIORITY OVER QUANTITY DESIGNATED.
- 9. A MINIMUM 3-INCH LAYER OF MULCH SHALL BE APPLIED ON ALL EXPOSED SOIL SURFACES OF PLANTING AREAS EXCEPT TURF AREAS, CREEPING OR ROOTING GROUNDCOVERS, OR DIRECT SEEDING APPLICATIONS WHERE MULCH IS CONTRADICTORY.
- 10.MULCH SHALL BE ES-2 MULCH FROM AGROMIN PREMIUM SOIL PRODUCTS (805) 482.8749. PROVIDE SAMPLE TO LANDSCAPE ARCHITECT OF RECORD FOR APPROVAL.
- 11.SEE SHEET, LP-2.01 FOR ALL PLANTING DETAILS

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CONSTRUCTION DOCUMENTS

No.	Description	Date

Sheet Name

**PLANTING NOTES AND** SCHEDULES

718 7/24/2018 Drawn by Checked by Sheet Number

LP-0.01

#### TREE PROTECTION PLAN

The following measures should be taken to protect trees before, during and after construction.

#### **PRECONSTRUCTION**

- 1. Provide a copy of this protection plan to the contractor.
- 2. A copy of the protection plan should be available on site throughout construction.
- 3. Contractor to schedule a Pre-Construction Meeting: The owner's landscape architect shall attend a pre-construction meeting with the general contractors' superintendent to review the tree protection plan and confirm that the protection fences and signs are in place prior to any work being done on the site.
- 4. Tree Protection Fencing is needed. See plan. The outline of structures and paving under the canopy of the protected tree needs to be clearly marked by the owner or general contractor prior to installing the fences.
- 5. Post signs on the protective fencing around protected trees. Lettering should be at least 1" high and read as follows:

#### WARNING

#### TREE PROTECTION ZONE

Entry prohibited. This fence shall remain in place throughout the entire construction period.

To report violations, contact

Construction Superintendent

#### ADVERTENCIA

#### ZONA DE PROTECCIÓN DE ÁRBOLES

Entrada prohibida. Esta cerca debe permanecer en su lugar durante el periodo de construcción.

Para reportar violaciones, contacte al

ENFORZAMIENTO

#### Construction

- 1. Once a month soak the rootzone of the protected trees.
- 2. Tree Protection Zone Restrictions:
- 2.1. Stay out of the fenced area without the approval of the job site superintendent.
- 2.2. Any trenching, grading or excavating, within the fenced areas shall be approved before hand by the owner's landscape architect. Any such work approved shall be monitored by a party selected by the owner. The monitor shall observe trenching, grading or excavating and report whether the work was performed according to the protection plan and whether unexpected damage occurred and any recommended treatment for the damage.
- 2.3. Before trenching, grading or excavating, under the protect tree canopies, check to make sure root pruning has been done.
- 2.4. No equipment, soil, or construction materials shall be stored in the TPZ.
- 2.5. No oil, gasoline, chemicals, paints, solvents, or other damaging materials may be dumped within the TPZ.2.6. Grade changes outside of the TPZ shall not significantly alter drainage to protected trees.
- 3. Report any inadvertent damage to the trees to the school district.
- 4. Monitor the health of the trees and report obvious health decline to the school district.
- 5. A qualified arborist selected by the owner shall do a health assessment all the protected trees at the end of construction.

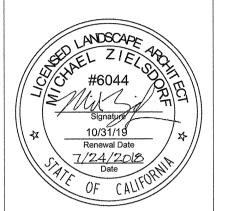
  That assessment should form the basis for post-construction monitoring.

#### Post-Construction

#### Monitor the trees for three (3) years.

- 1. Annual monitoring reports shall be prepared by a qualified arborist or landscape architect selected by the owner for three (3) years after construction.
- 1.1. Report any changes in tree health or risk rating based on the initial post-construction health assessment.

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No. Description Date

Sheet Name

TREE
PROTECTION
NOTES

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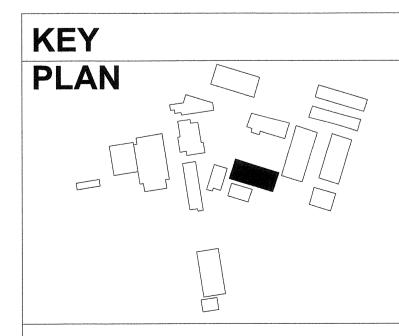
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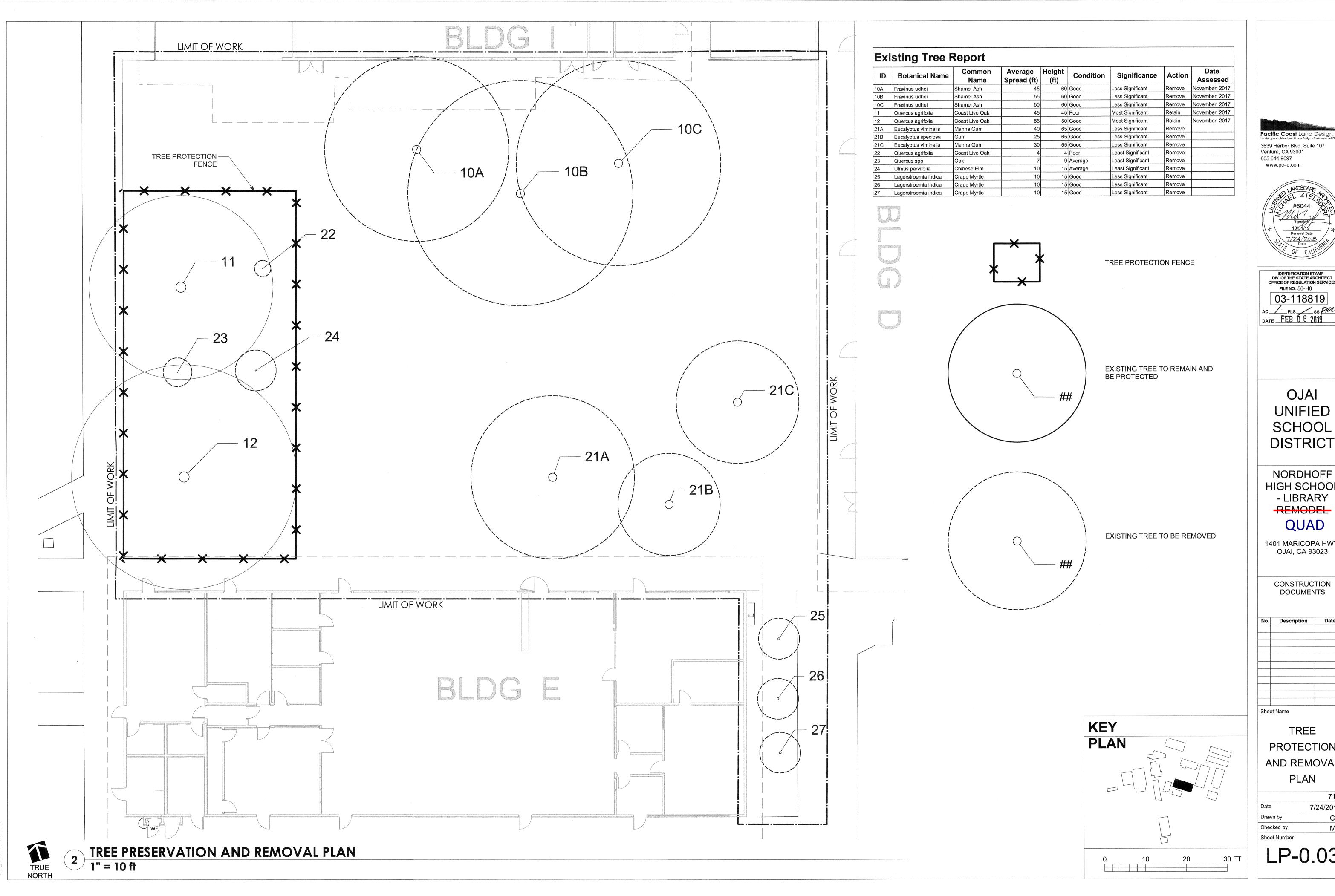
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LP-0.02





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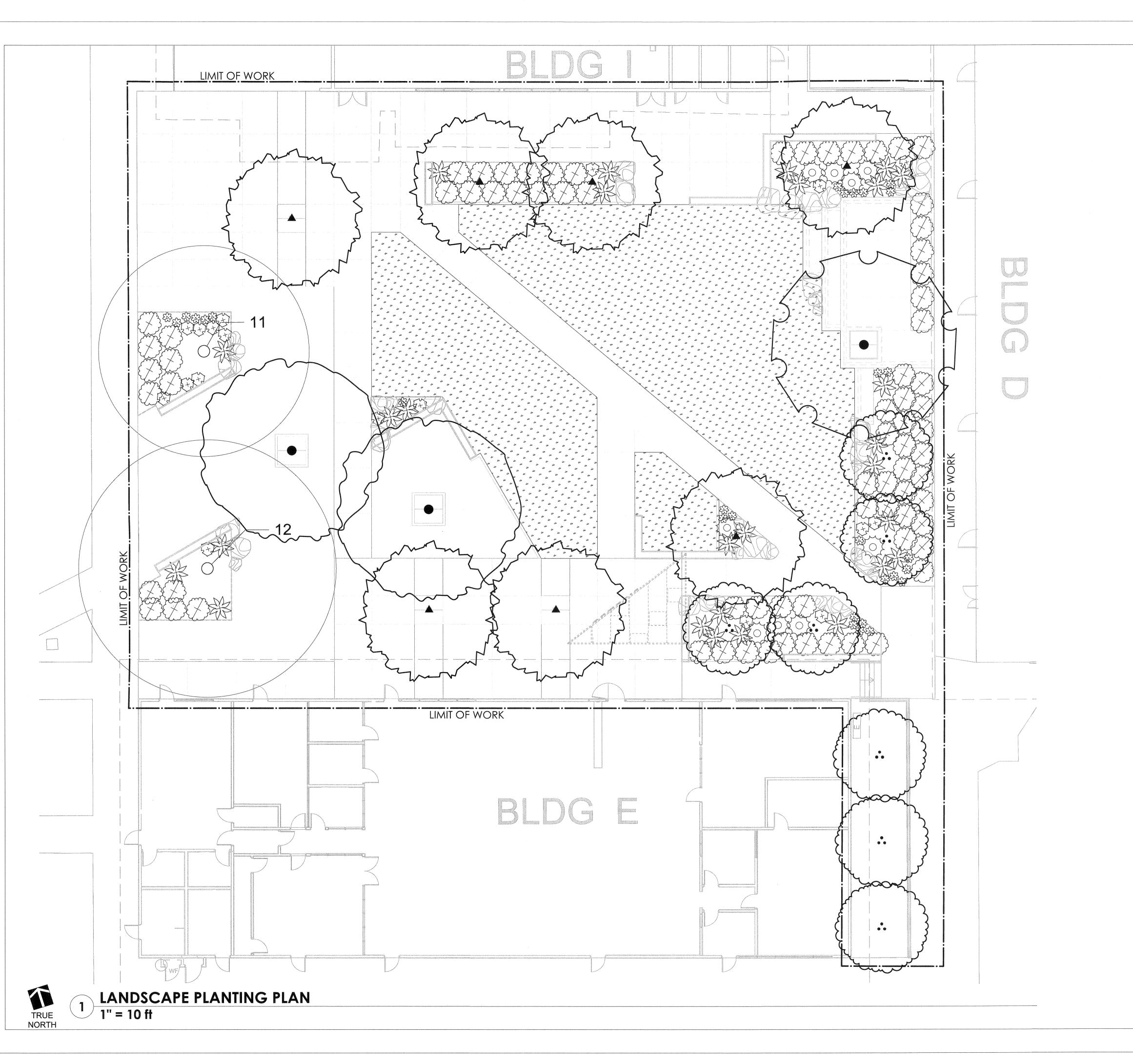
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No.	Description	Date
Shee	et Name	

TREE PROTECTION AND REMOVAL PLAN

7/24/2018

LP-0.03

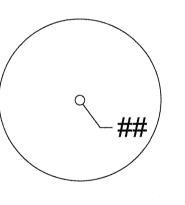


# **PLANTING NOTES**

- SEE SHEET LP-0.01 FOR DETAILED PLANTING NOTES, SCHEDULES AND DETAIL REFERENCES.
- 2. SEE SHEET LP-0.01 FOR MASTER SHRUB PLANTING LIST

PLANT SCHEDULE (THIS SHEET)

SYMBOL	LATIN NAME	COMMON NAME	SIZE
TREES			
	Arbutus x 'Marina'	Marina Strawberry Tree	4" box Mu
Source of the so	Platanus racemosa	California Sycamore	48" box
( · )	Platanus racemosa	California Sycamore	36" box
	Quercus agrifolia	Coast Live Oak	48" box
SHRUBS	January		
VINES	-	-	
	Arctostaphylos 'Pacific Mist'	Manzanita	10G
#	Agave attenuata	Foxtail Agave	10G
<b>30</b>	Agave vilmoriniana	Octopus Agave	5G
<del>{+</del> }	Aloe striata	Coral Aloe	5G
£3	Agave 'Blue Flame'	Blue Flame Agave	5G
GROUND	COVERS & TURF		
ماد ماد ماد			



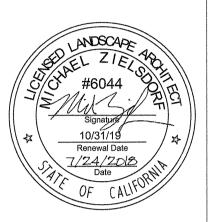
EXISTING TREE TO REMAIN AND BE PROTECTED

Kikuyugrass 'AZ-1'

KEY PLAN

0 10 20 30

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CONSTRUCTION DOCUMENTS

No. Description Date

PLANTING PLAN

718

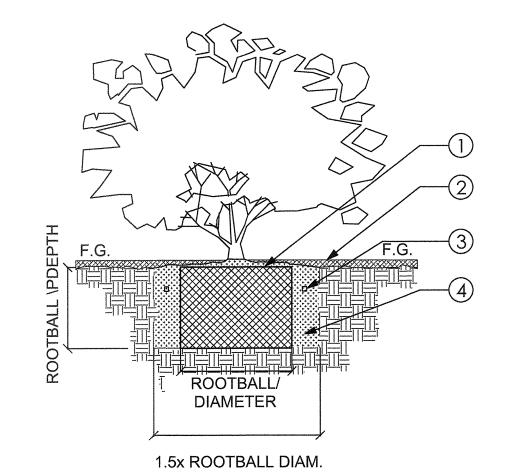
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Checked by MZ

Sheet Number

LP-1.01



LEGEND:

- 1 ROOTBALL SET 1" ABOVE F.G.
- ② BARK MULCH
- ③ PLANTING TABLETS
- 4 BACK FILL MIX.

SHRUB PLANTING

SCALE: 3/4" = 1'-0"

- 1) 2" DIA. LODGE POLE STAKES (2) EACH FOR 24" BOX TREES AND SMALLER
- 2 RUBBER CINCH TIES-MIN. (4) PER TREE
- 3 PLANT TABLETS PER SPECIFICATIONS
- 4 FINISH GRADE
- 5 NATIVE SUBGRADE
- 6 BACK FILL MIX PER SPECIFICATIONS
- 7 TREE STEM
- 8 ROOTBALL: SET 2" ABOVE ADJACENT FINISH GRADE
- 9 BARK MULCH. SET MULCH LAYER 1" ABOVE TOP OF ROOTBALL.
- 10 ADJACENT SIDWALK OR CURB
- 11) ROOT BARRIER

NOTES:

1. KEEP MULCH 3" FROM STEM OF PLANT
2. NO WATERING BASIN
3. SEE GUY DETAIL FOR TREES LARGER THAN 24" BOX
4. USE GALVANIZED NAILS TO SECURE CINCH TIES TO STAKES
5. ROOT BARRIER SHALL HAVE A MIN. DEPTH OF 24" WITH A MIN. THICKNESS OF 6 MM, BARRIERS SHALL BE 10' LONG CENTERED ON TREE TRUNK. INSTALL PER MANUFAC. SPECS. BARRIERS SHALL BE INSTALLED 1" ABOVE F.G.

B TREE PLANTING WITH ROOT BARRIER

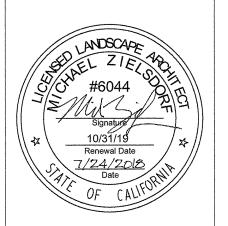
2X DIAMETER OF ROOTBALL

<u>SECTION</u>

PLAN VIEW

SCALE: 3/8" = 1'-0"

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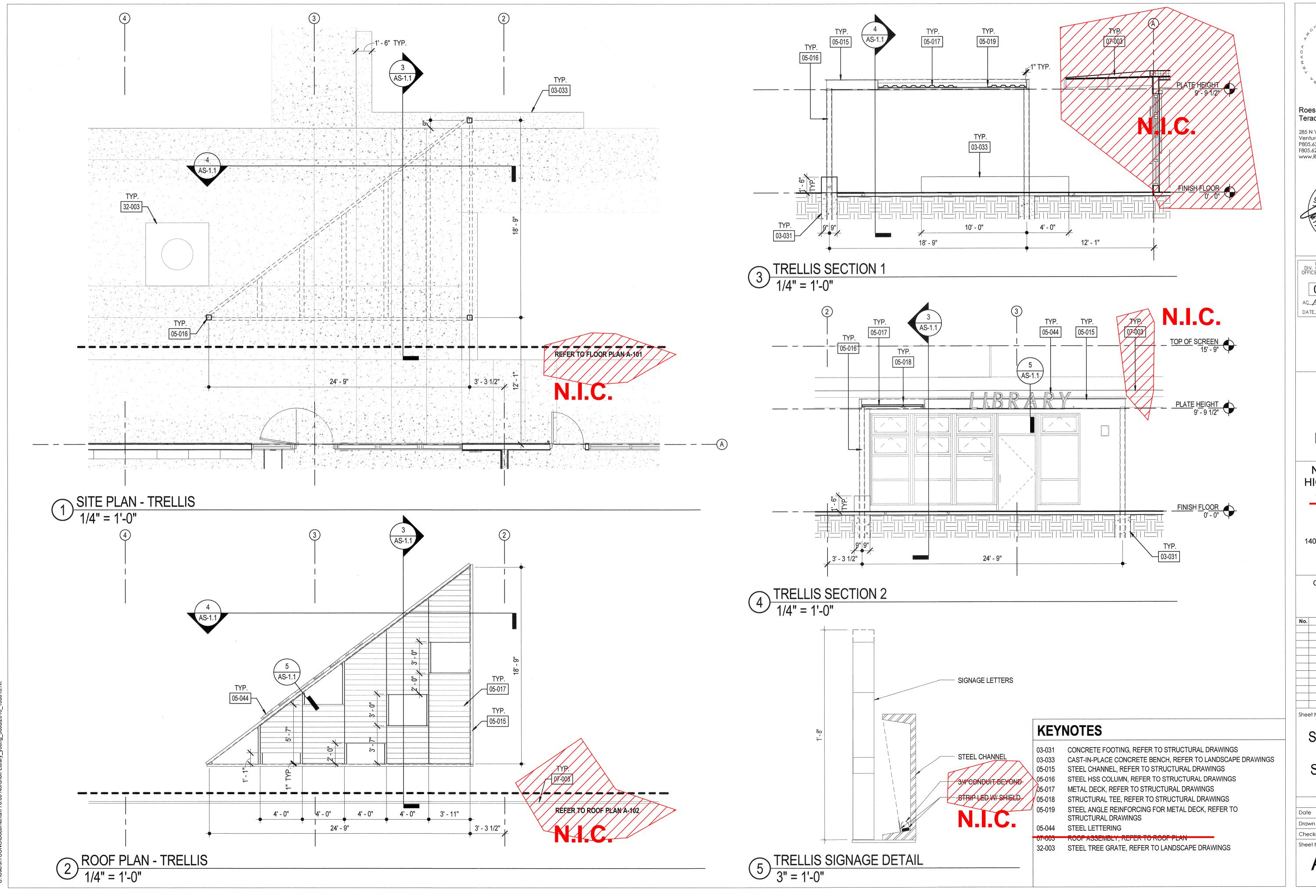
CONSTRUCTION DOCUMENTS

No. Description

Sheet Name PLANTING

**DETAILS** 

718 7/24/2018 Drawn by CH Checked by ΜZ Sheet Number





Roesling Nakamura Terada Architects

285 N Ventura Ave #102 Ventura, CA 93001 P805.626.5330 F805.626.5350 www.RNTarchitects.com



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DATE FEB 0 6 2019

OJAI UNIFIED SCHOOL DISTRICT

NORDHOFF HIGH SCHOOL - LIBRARY REMODEL QUAD

1401 MARICOPA HWY. OJAI, CA 93023

CONSTRUCTION DOCUMENTS

No.	Description	Date
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SITE PLAN -TRELLIS SECTIONS, DETAILS

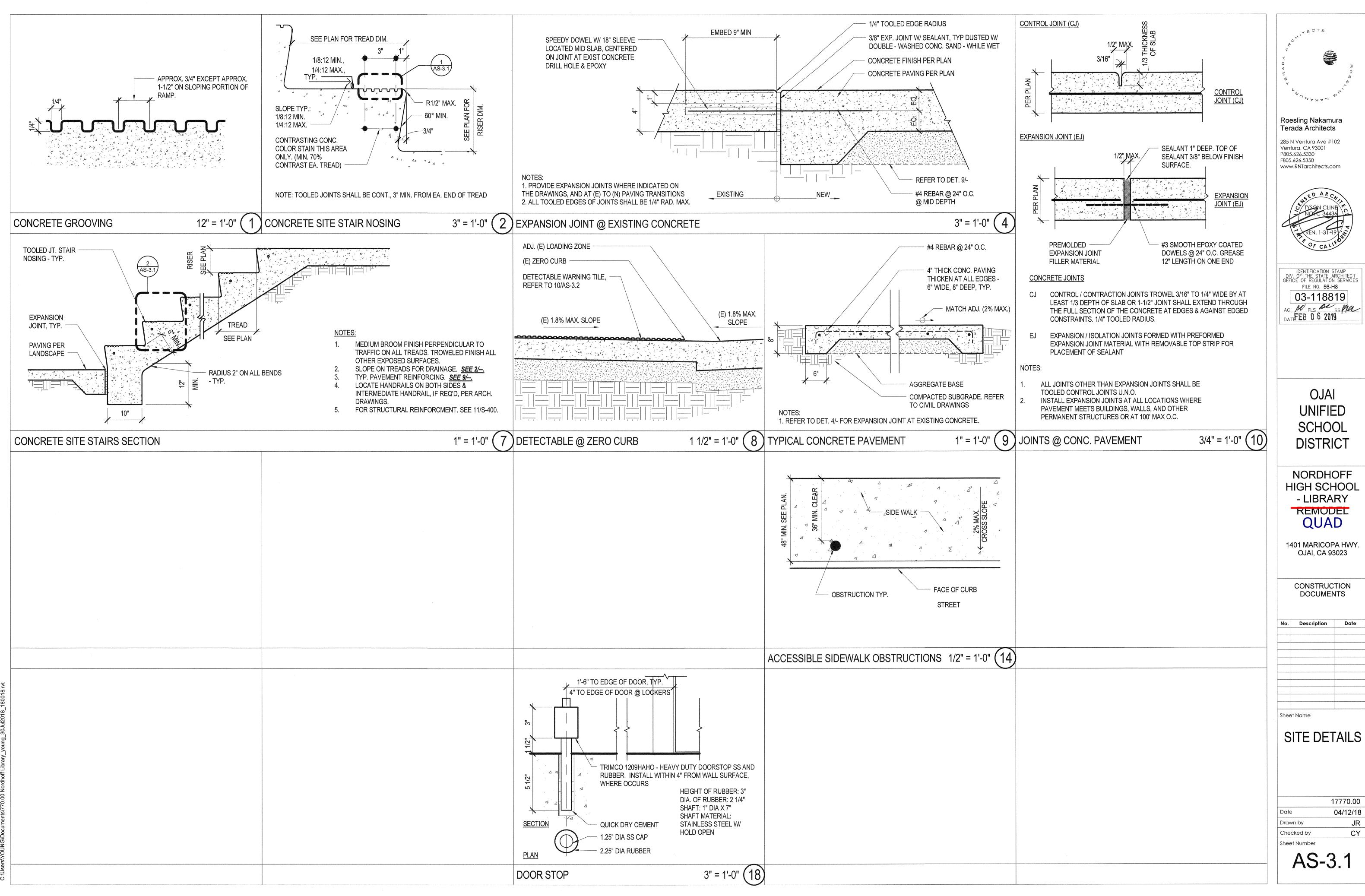
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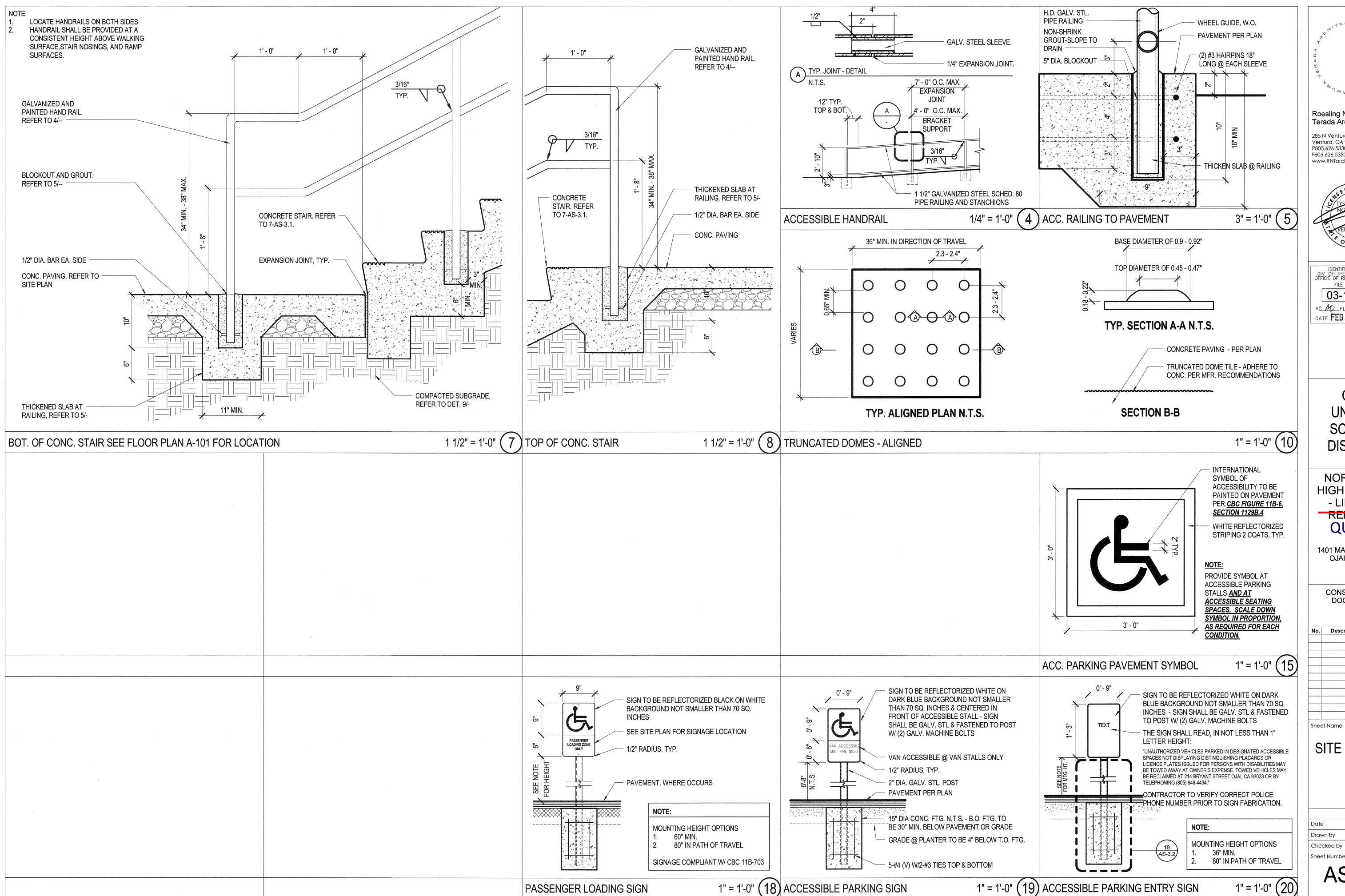
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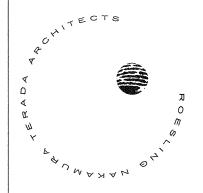
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		17770.00
	Date	04/12/18
	Drawn by	JR
	Checked by	CY
	Sheet Number	





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285 N Ventura Ave #102 Ventura, CA 93001 P805.626.5330 F805.626.5350 www.RNTarchitects.com



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No. Description

SITE DETAILS

17770.00 04/12/18 Drawn by JR Checked by CY Sheet Number

AS-3.2

#### /II. FRAMING LUMBER CONTD, I. GENERAL 1. THESE GENERAL NOTES APPLY, UNLESS SPECIFICALLY NOTED OTHERWISE. ). Parallel strand Lumber (PSL): 2. ALL CONSTRUCTION, TESTING AND INSPECTING SHALL CONFORM TO THE BUILDING CODE REFERENCED SHEAR STRENGTH! FV = 290 P81 UNDER THE HEADING "DESIGN CRITERIA" (5) AXIAL STRENGTH: Fc = 2900 PS1. 3. STANDARDS REFERENCED IN THESE NOTES SHALL BE THE LATEST EDITION, UNLESS OTHERWISE . OPEN WEB TRUSSES! SIZES/SHÓWN ARE AS MANUFACTURED BY REOBUILT/LLC. MATERIALS, PABRICATION, 4. THE NOTES AND DETAILS ON THE DRAWINGS SHALL TAKE PRECEDENCE OVER THE GENERAL NOTES HANDLING AND INSTALLATION SHALL BE PER ICC ESR 2994 AND MANUFACTURER'S WRITTEN RECOMMENDATIONS/ 5. DETAILS SHALL BE APPLIED TO EVERY LIKE CONDITION WHETHER OR NOT THEY ARE REFERENCED IN JOISTS BY OTHER MANUFACTURERS MAY BE USED PROVIDED THEY HAVE THE SAME, EVERY INSTANCE. FOR CONDITIONS NOT SPECIFICALLY SHOWN, PROVIDE DETAILS SIMILAR TO THOSE DÉPTH AND ÉQUIVALENT ICC APPROVED LOAD CAPACITIES AND STIFFNESS, /FLANGES ØF 1/JOIST/SHALL/BE/MANUFACTURED FROM/LYL LUMBER,/ 6. THE GENERAL CONTRACTOR SHALL VERIFY ALL EXISTING FEATURES AND CONDITIONS (DIMENSIONS MINIMUM DESIGN DEAD LOAD = 25 PSF/ ELEVATIONS, ETC.) UPON WHICH THESE DRAWINGS RELY. THE EXISTING CONDITIONS SHOWN IN THESE JOIST HANGERS AND FRAMING CONNECTORS: DRAWINGS ARE BASED ON AVAILABLE BUILDING DOCUMENTS AND/OR FIELD OBSERVATIONS. THE DETAILS ARE SHOWN WITH SIMPSON "STRONG-THE" CONNECTORS. / NAILING SHALL BE PER JCC/ CONTRACTOR SHALL NOTIFY THE STRUCTURAL ENGINEER IF THE EXISTING CONDITIONS ARE NOT AS RESEARCH RECOMMENDATIONS TO ACHIEVE FULL ICC APPROVED LOADS. THE MAXIMUM SAP SHOWN IN THESE DOCUMENTS PRIOR TO PROCEEDING WITH THE WORK BETWEEN END OF JOIST AND FACE OF SUPPORTING MEMBER SHALL BE 1 16". WHERE 7. OMISSIONS OR DISCREPANCIES BETWEEN THE VARIOUS ELEMENTS OF THE CONTRACT DOCUMENTS CONNECTION 18' NOT DETAILED, PROVIDE APPROPRIATE CONNECTOR PER MANÚFACTURER'S SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT OR STRUCTURAL ENGINEER BEFORE RÉCOMMENDATION. BOLTS FASTÉNING WOOD MEMBERS SHALL BE FITTED WITH STANDARD CUT PROCEEDING WITH THE WORK. WASHERS/AGAINST WUT/AND/BOLT/HEAO./HOLES/FOR BOLTS SHAJL BE BORED 1//32" 8. REFER TO ARCHITECTURAL PLANS FOR FINISH FLOOR ELEVATIONS, FLOOR DEPRESSIONS, OPENINGS MAXIMUM ØVERSIZE. /REPIGHTEN/ALL BØLTS BEFORE ØLOSING/IN/ SLOPES, DRAINS, CURBS, PADS, EMBEDDED ITEMS, NON-BEARING PARTITIONS, STAIR HANGERS, ETC. MSE TOP FLANGE JOIST HANGERS WHERE A MEMBER FRAMES INTO THE SIDE OF ANOTHER REFER TO MECHANICAL AND ELECTRICAL PLANS FOR SLEEVES, OPENINGS, AND HANGERS FOR PIPES, FRAMING MEMBER, UNLESS OTHERWISE NOTED. DUCTS, AND EQUIPMENT. /TOP FLANGE HANGERS AT 1-JOISTS/TO/BE/INSTALLED/WITH 2 1/2"/WIDE WEB/STIFFENERS AND 9. COORDINATE THESE ITEMS WITH STRUCTURAL WORK. DO NOT SCALE DRAWINGS. COORDINATE DIMENSIONS WITH ARCHITECTURAL DRAWINGS. WITH A MINIMUM OF (4) SIMPSON "N10" NAILS INSTALLED AT 1—JOIST AND (4) "N10" NAILS 10. DURING THE CONSTRUCTION PERIOD, THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE SAFETY OF INSTALLED TO FACE OF SUPPORTING MEMBER ALL HANGERS TO BE SELECTED TO MATCH SIZE OF SUPPORTED MEMBER AND SHALL HAVE PERSONNEL AND PROPERTY ON AND AROUND THE JOBSITE. THE CONTRACTOR SHALL PROVIDE ADEQUATE SHORING, BRACING, GUYS, ETC. IN ACCORDANCE WITH ALL NATIONAL, STATE, AND LOCAL /FUJL MAILING AS SHOWN/THE ICC REPORT/ SAFETY ORDINANCES. PROVIDE/SLOPED SEATS HANGERS/FOR SLOPING/1 JOIST INSTALLATIONS 11.THE STRUCTURAL DRAWINGS AND PROJECT SPECIFICATIONS REPRESENT THE FINISHED STRUCTURE. SUBSTITUTIONS MUST BE APPROVED BY THE ARCHITECT AND HAVE ICC APPROVED LOAD. THE METHODS, PROCEDURES, AND SEQUENCE OF CONSTRUCTION ARE THE RESPONSIBILITY OF THE /CAPACITIES/EQUAL/TO/OR/GREATER/THAN THE/SIMPSON "STRONG-TIE" CONNECTORS CONTRACTOR. THE CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS TO MAINTAIN AND ENSURE HD GALVANIZED NAILS SHALL BE USED WHEN WAILING TO PRESSURE TREATED MEMBERS THE INTEGRITY OF THE STRUCTURE AT ALL STAGES OF CONSTRUCTION. SHMPSON/HANGERS AT PRESSURE TREATED MEMBERS/SHALL/HAVE ZMAX COATHNG/ SIŁL PLATES AND ANCHOR BOLTS: /SILI/ PI/ATES SHAJI/ BE DOUGKAS/FIR/LARCH NO.2/AND PRESSURE TREATED, II. DESIGN CRITERIA SILL PLATES ARE TO BEAR FULLY ON THE TOPS OF THE FOUNDATION WALLS AND/OR SLABS. THE 70P8 OF ALL FOUNDATION WALLS/SLABS SHALL BE SMOOTH AND LEVEL THE 70P8 OF 1. BUILDING CODE: CALIFORNIA BUILDING CODE (CBC) 2016 EDITION FOUNDATION WALLS/8LABS SHALL BE CONSIDERED LEVEL WHEN THE MAXIMUM DEVIATION FROM 2. OCCUPANCY CATEGORY: III GRADE/IS /4/-/1/8 INCH/AND THE DEPRESSION BETWEEN/HIGH SPOTS IS NOT GREATER THAN/ DEAD LOADS A. SELF WEIGHT OF STRUCTURE 1/18/INCH ALONG A 10 FOOT STRAIGHT EDGE. MECHANICAL EQUIPMENT: PER PLAN ´ANCHOR ÆOLTS TO ÆE GALVANIZED OR STAINLESS STEEL ASTM/F 1/554, GRADE 36 WITH/ 4. ROOF LIVE LOAD: 20 PSF REDUCIBLE 300 LB POINT LOAD /STANDARD/BOLT HEAD OR EQUAL DEFORMATION IN THE EMBEODED PORTION. CUT/THREADS WIND DESIGN DATA: ARE REQUIRED AT ALL ANCHOR BOLTS. THE SPACING AND SIZE OF ANCHOR BOLTS SHALL BE AS SHOWN IN DETAILS. WIND IMPORTANCE FACTOR: I = 1.0WIND EXPOSURE CATEGORY: C /LOCATE AN ANCHOR/BOLT AT 6" MINIMUM/TO/12"/MAXIMUM/FROM ENDS OF EACH/PLECE/ BASIC WIND SPEED: V =115 MPH 3 SECOND GUST. , EACH LENGTH OF PLATE TO HAVE A MINIMUM OF TWO ANCHOR BOLTS. 6. EARTHQUAKE DESIGN DATA: INSTALL EXTRA ANCHOR BOLTS AS REQUIRED, WHERE PLATE IS CUT OR NOTCHED. SEISMIC IMPORTANCE FACTOR: I =1.25 /SIŁL PLATES SHAKL NOT/BE/DAPPED AT BOLT/HEADS./ SEISMIC DESIGN CATEGORY: E. /H. PROVIDE 3x3x1/14/GALVANIŽED OR STAINLESS STEEL PLATE WASHERS/AT/ALL/ANCHOR SITE CLASS: D BASIC SEISMIC RESISTING SYSTEM: WOOD SHEARWALLS FABRICATION OF TIMBER CONNECTORS! SYSTEM OVERSTRENGTH FACTOR: $\Omega$ o = 3.0 Í. /FABRICATION SHALL BÉ IN ACCORDANCE WITH 2015 EDITION "NATIONAL DESIGN/SPECIFICATION DEFLECTION AMPLIFICATION FACTOR Cd = 4.0FOR WOOD CONSTRUCTION". SPECTRAL RESPONSE ACCELERATION: /A WASHER/OR/METAL/PLATE/SHALL/BE/PROVIDED/BETWEEN THE WOOD AND THE BOLT 1.)SHORT PERIOD: Ss = 2.212gMEAN AND OR NUT. RETIGHTENS BOLTS BEFORE CLOSING IN. 2.) 1 SECOND PERIOD: S1 = 0.823qBOLT HOLES SHALL BE 1/16" MAXIMUM OVERSIZE. DESIGN SPECTRAL RESPONSE ACCELERATION: 1.)SHORT PERIOD: a,/ LEAD/HOKES/SHALL/BE/DRIKLEN FOR KAG/BOKTS/ SHANK PORTION/= SHANK/ 2.)1 SECOND PERIOD: Sd1 = 0.823qNAMETÉR/THREADED/PORTION 🗲 70%/OF/SHANK/DIAMETER./ SEISMIC RESPONSE COEFFICIENT: Cs = 0.283gLAGS BOLTS SHALL BE INSTALLED USING A PROPER WRENCH, V = Cs TIMES W (=BUILDING SEISMIC DEAD LOAD). DESIGN BASE SHEAR: BLOCKING / BRIDGING: ANALYSIS PROCEDURE USED: EQUIVALENT LATERAL FORCE Á./ PROVIDE FULL DEPTH SOLID BLOCKÍNG BETWEEN JOISTS AND BAFTERS OVER SUPPORTS. 3. /PROVIDÉ 2X SÓLIÐ BŁOCKING BETWEEN/STUDS/AT/MID/HEIGHT IN/WALLS/OVER/8'-/O"/TALL FRAMING LUMBER NOTCHING AND DRILLING FRAMING MEMBERS! THE CONTRACTOR IS CAUTIONED ABOUT THE DRILLING AND NOTCHING OF STUDS, PLATES, FRAMING LUMBER GRADES: WWPA BRADING RULES, STRESS VALUES SHØWN ARE BASE MEMBER JOISTS, BEAMS, COLUMNS, AND OTHER PRAMING MEMBERS. THE CONTRACTOR SHALL CONSULT WITH THE STRUCTURAL ENGINEER BEFORE NOTCHING OR 2x4/STUDS/(NØN ÆEARING/PARTITIONS) NO.2. D/FIB/LARCH/. S/DRY DRILLANG ANY FRAMING MEMBERS WHERE NOT SPECIFICALLY DETAILED IN STRUCTURAL STRUCTURAL/LIGHT/FRAMING: No. 1, D.FIR/LARCH, S.DRY DRAWINGS. STRUQTURAL JOISTS & PLANKS (INCLUDES 2x6 & 2x8 STUDS): No. 1 / D.FIR /LABCH. S.DRY NAKINO SCHEDULE: /3x/& 4x MEMBERS: No./1.70.FIR/LARCH. 8.GRN CONNECTION NAILING POSTS & TIMBERS! No. 1, DAFIR/LARCH, S.GRN JOIST TO SUPPORT - TOE NAK (3) 8d PRESSURE TREATED/LUMBER: BRIDGING/TO/JOJ8T / TØE MAIL/EACH/END/ ALL WOOD MEMBERS IN CONTACT WITH CONCRETE OR MASONRY OR EXPOSED TO WEATHER /BLOCKING/TO/JOIST / TOE MAIL/EACH/END/ ÁND SJÁJECT TO DEGÁY SHALL BE PRESSURE TREATED DOUGLAS FIR-LARCH WITH ÁCQ OR BLOCKING TO PLATE OR BEAM - TOE NAIL AZCA TREATMENT PER THE CURRENT AMERICAN WOOD PRESERVERS ASSOCIATION STANDARDS. 2" DECKING TO SUPPORT / BLIND & FACE NAIL ALL FASTENERS CONNECTING TRÉATED LUMBER SHALL BE HØT-DIP GALVANYZED OR STAINLESS STUD TO PLATE / TOE NAIL OR / END NAIL 2X6 & 2X4 STUDS (3) 16d/ GLUE LAMINATED MEMBERS! AND / END/NAK 2X8/STUBS/ /BEAMS: SPECIES/= DOUGLAS FIR-LARCH P6 = 2400/PS/ ,COMB/ 24F-V8 CAMBER/= MÚLTIPLE STÚDS OR LAMINATED COLUMNS -/ FACE MAIL /SPAN/400, EXCEPT AS NOTED. /NO/CAMBER IS REQUIRED IN BEAMS WITH SPAN LESS WITH 16d @12"/0.C. TOP PLATES /- FACE NAIL / 16d/@12"/0.0 COLUMNS: Fx =/2300/PSI/Fb/=/2000/PSI/COMB/3 TOP PLATES - JØINTS & INTERSECTIONS - FACE NAIL (4) 16d EACH END MEMBERS SHALL BE FABRICATED WITH WATERPROOF ADHESIVE. 1.6d Ø12" O.C. KAMINATED HEADER - FACE MAIL ALONG EACH EDGE MEMBERS SHALL BE MANUFACTURED PER ANSI A190.1-CURRENT EDITION WITH THE JOISTS, LAPS OVER SUPPORTS - FACE MAIL 4 18d ADDITIONAL REQUIREMENT THAT THE MOISTURE CONTENT AT THE TIME OF MANUFACTURE BUILT-UP CORNER STUDS / 16d @12"/0.c/ SHALL NOT EXCEED 12% MAILING SCHEDULE AND THE STRUCTURAL DETAILS ARE BASED ON THE USAGE OF "COMMON", WOOD J-JOHSTS/, ØPEN WEB/TRUSSES AND/ENGINEERED QOMPOSITE/LUMBER: WIRE NAILS, EXCEPT THAT 16d "SINKER" NAILS (0,148" DIA x/3-1/4") MAY BE USED WHERE WOOD 1-1018TS:/ 1,6d us specified. Jf "gun" nails/are used, the contractor shall submit mail/data for /SIZES\_SHOWN/ARE/AS/MANUPACTURED\_BY\_REDBUILT\_LLC./MATERIALS, FABRICATION, REVIEW PRIOR TO BEGINNING CONSTRUCTION. HANDLING AND INSTALLATION SHALL BE PERICO ESR 2994 AND MANUFACTURER'S JAD GALVANIZED OR STAINLESS STEEL NAILS SHALL BE USED WHEN MAILING TO PRESSURE WRITTEN RECOMMENDATIONS. TREATED MEMBERS /JOYSTS/BY/OTHER/MANUPACTURERS/MAY/BE/USED/PROVIDED/THEY HAVE/THE SAME DEPTH AND EQUIVALENT JCC APPROVED LOAD CAPACITIES AND STIFFNESS. FLANGES/OF/I-JOIST SHALL BE MANUFACTURED FROM LVL/LUMBER. / MHNIMUM DESIGN/DEAD LOAD =/ 25/ PSF / AMINATED VENEER LUMBER (LYL); SIZES SHOWN ARE AS MANUFACTURED BY REDBUILT LLC. MATERIALS, FABRICATION, HANDLING AND INSTALLATION SHALL BE PER/ICC/ESR 2993/AND MANUFACTURER'S WRITTEN RECOMMENDATIONS! MODULUS OF ELASTICITY: E = 2000 KSI. BENDING STRENGTH: FK = 2900 PSI. ´SHEAR STRENGTH: FV ≠ 285 PSI/ LAMINATED STRAND LUMBER (LSL). AXIAL 2510/

MANUFACTURED IN ACCORDANCE WITH ICC ESR/1387

MANUFACTURED IN ACCORDANCE WITH ICC ESR 1/387

MODULUS OF ELASTICITY: E = 1,500/KSV

/MODULUS/OF/ELASTICITY/ E/= 12000 KSI

BENDING STRENGTH: Fb = 2250 PSI

SHEAR STRENGTH: FV = 400 PSI

AXIAL STRENGTH: Fc = 1950 PSI

3.) BENDING STRENGTH: fb = 2900 PSI

PARALLEL STRAND LUMBER (PSL):

#### CONCRETE ALL CONCRETE SHALL BE MIXED AND PLACED IN ACCORDANCE WITH ACI 318. USE MIXES WITH A MAXIMUM AGGREGATE SIZE APPROPRIATE FOR FORM AND REBAR CLEARANCES TO BE ENCOUNTERED IN ACCORDANCE WITH ACI RECOMMENDATIONS. THE PROPOSED MATERIALS AND MIX DESIGN SHALL BE FULLY DOCUMENTED AND REVIEWED BY THE OWNERS TESTING LABORATORY. RESPONSIBILITY FOR OBTAINING THE REQUIRED DESIGN STRENGTH IS THE CONTRACTOR'S. SUBMIT TEST DATA ON EACH PROPOSED MIX FOR REVIEW IN ACCORDANCE WITH IBC SECTION 1905.6. MIX DESIGNS SUBMITTED WITHOUT THE REQUIRED TEST DATA WILL BE RETURNED WITHOUT REVIEW. PORTLAND CEMENT SHALL CONFORM TO ASTM C 150 TYPE I OR II AGGREGATE FOR NORMAL WEIGHT CONCRETE SHALL CONFORM TO ALL REQUIREMENTS AND TESTS OF ASTM C 33 AND PROJECT SPECIFICATIONS. AGGREGATE FOR LIGHTWEIGHT CONCRETE SHALL CONFORM TO ASTM C 330. CONCRETE SHALL HAVE THE FOLLOWING 28 DAY STRENGTHS, F'c: (ALL CONCRETE SHALL BE NORMAL WEIGHT, EXCEPT AS NOTED) A. FOUNDATIONS: 4000 PSI SLABS ON GRADE: 3000 PSI C. ALL OTHER CONCRETE: 3000 PSI SCHEDULING OF WORK MAY REQUIRE ACHIEVEMENT OF DESIGN STRENGTH IN A SHORTER PERIOD CONSTRUCTION JOINTS SHALL BE THOROUGHLY ROUGHENED (1/4" AMPLITUDE) BY SAND BLASTING OR MECHANICAL MEANS. CLEAN BEFORE POUR. LOCATION TO BE APPROVED BY THE STRUCTURAL ENGINEER. SUBMIT LOCATION PLAN OR ALL PROPOSED JOINTS NOT INDICATED ON DRAWINGS FOR APPROVAL PRIOR TO BEGINNING WORK. ALL CONCRETE TO BE REINFORCED, UNLESS SPECIFICALLY NOTED "NOT REINFORCED". 10. CONDUIT OR PIPE SIZE (O.D.) SHALL NOT EXCEED 30% OF SLAB THICKNESS, AND SHALL BE PLACED FOUR DIAMETERS MINIMUM APART, UNLESS SPECIFICALLY DETAILED OTHERWISE. 1. PROVIDE SLEEVES FOR PLUMBING AND ELECTRICAL OPENINGS IN CONCRETE PRIOR TO POURING CONCRETE. DO NOT CUT REINFORCING. 12. CORING OF CONCRETE IS NOT PERMITTED UNLESS REVIEWED BY THE STRUCTURAL ENGINEER. 13. EXPOSED PROJECTING CORNERS OF BEAMS, WALLS, COLUMNS, ETC., SHALL BE FORMED WITH A 3/4" CHAMFER, UNLESS OTHERWISE NOTED ON ARCHITECTURAL DRAWINGS AND SPECIFICATIONS. 4. PRIOR TO PLACING CONCRETE. THE CONTRACTOR SHALL ENSURE THAT ALL REINFORCING AND EMBEDMENTS, INCLUDING COLUMN ANCHOR BOLTS, ARE PROPERLY LOCATED AND SECURELY TIED IN . CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING CURING CONCRETE FROM FREEZING AND HOT WEATHER PER ACI 306.1 AND ACI 305 RESPECTIVELY. NO LOADS SHALL BE PLACED ON STRUCTURAL CONCRETE SLABS WITHIN 7 DAYS AFTER CONCRETE IS PLACED. AFTER CONCRETE IS PLACED, IN NO CASE SHALL THE SUPERIMPOSED CONSTRUCTION LOADS BE GREATER THAN SPECIFIED DESIGN LIVE LOADS, UNLESS THE WORK IS SHORED. . CONTRACTOR SHALL SURVEY ALL CONCRETE WORK WITHIN 48 HOURS OF PLACING CONCRETE TO ENSURE THAT PLACEMENT IS IN ACCORDANCE WITH PROJECT REQUIREMENTS. 8. PROVIDE LIGHTWEIGHT SELF-LEVELING MATERIAL AT ELEVATED CONCRETE SLABS AND CONCRETE FILL OVER METAL DECK AS REQUIRED TO MEET FLOOR FLATNESS AND LEVELNESS REQUIREMENTS.

REINFORCING STEEL ALL REINFORCING STEEL FOR CONCRETE AND/OR MASONRY CONSTRUCTION SHALL BE PLACED IN "BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE", ACI 318; "BUILDING CODE REQUIREMENTS FOR MASONRY CONSTRUCTION", ACI 530; "SPECIFICATIONS FOR MASONRY STRUCTURES", ACI 530.1; AND THE "ACI DETAILING MANUAL" AS MODIFIED BY THE PROJECT

REINFORCING STEEL: DEFORMED BARS, ASTM A 615 GRADE 60.

DRAWINGS AND SPECIFICATIONS.

WELDED WIRE FABRIC, ASTM A 185. SHEAR WALL BOUNDARY ELEMENTS, LATERAL LOAD RESISTING FRAME ELEMENTS, AND AT WELDED REINFORCING,

ASTM A706. REINFORCING STEEL SHALL HAVE THE FOLLOWING CONCRETE COVER, UNLESS OTHERWISE NOTED: CONCRETE CAST AGAINST AND PERMANENTLY EXPOSED TO EARTH: 3". CONCRETE FORMED AND EXPOSED TO EARTH OR WEATHER:

#6 THROUGH #11 BARS: 2".

#5. W31 OR D31 WIRE. AND SMALLER: 1 1/2". CÖNCRETE NOT EXPOSED TO WEATHER OR NOT IN CONTACT WITH THE GROUND: SLABS AND WALLS: 3/4".

BEAMS AND COLUMNS PRIMARY REINFORCEMENT, TIES, STIRRUPS, SPIRALS: 1 1/2" ALL LAP SPLICES SHALL BE CLASS B SPLICE AND 2'-0" MINIMUM. UNLESS OTHERWISE NOTED. PROVIDE FOUNDATION DOWELS TO MATCH SIZE AND SPACING OF WALL OR COLUMN REINFORCEMENT

EXTEND DOWELS A LAP SPLICE LENGTH INTO WALL OR COLUMN AND TERMINATE WITH STANDARD HOOK 3" ABOVE BOTTOM OF FOOTING. UNLESS OTHERWISE NOTED.

ALL REINFORCING STEEL AND EMBEDMENTS TO BE HELD SECURELY IN PLACE PRIOR TO PLACING CONCRETE. PROVIDE

SUFFICIENT SUPPORTS TO ALLOW WALKING ON REINFORCEMENT. WELDING OF REINFORCING IS PROHIBITED. UNLESS APPROVED BY STRUCTURAL ENGINEER. REINFORCEMENT SHALL BE PLACED IN RELATIVE POSITION SHOWN ON THE DRAWINGS. NO SPLICES IN REINFORCING WILL

ENGINEER. STAGGER LAP SPLICES OF ADJACENT BARS IN CONTINUOUS FOUNDATION MEMBERS 5'-0" MIN. 10. UNLESS DETAILED OTHERWISE, REINFORCING STEEL IN CONTINUOUS BEAMS AND SPANDRELS SHALL HAVE THE TOP STEEL

BE PERMITTED, UNLESS SHOWN IN THE STRUCTURAL DRAWINGS OR APPROVED BY THE STRUCTURAL

SPLICED AT MID-SPAN AND THE BOTTOM STEEL SPLICED OVER SUPPORTS (30 DIA. MIN.) AT DISCONTINUOUS ENDS. THE TOP STEEL SHALL BE BENT DOWN 12 DIA. OR 12" MIN., WHICHEVER IS GREATER. SEE DETAILS OR SCHEDULE.

#### VI. STRUCTURAL OBSERVATION

THE OWNER SHALL EMPLOY THE ENGINEER RESPONSIBLE FOR THE STRUCTURAL DESIGN TO PERFORM STRUCTURAL OBSERVATION AS DEFINED IN IBC SECTION 1710 . OBSERVED DEFICIENCIES SHALL BE REPORTED IN WRITING TO THE OWNER'S REPRESENTATIVE, SPECIAL INSPECTOR, CONTRACTOR AND THE DSA THE STRUCTURAL OBSERVER SHALL SUBMIT TO THE DSA A WRITTEN STATEMENT THAT THE SITE VISITS HAVE BEEN MADE AND IDENTIFYING ANY REPORTED DEFICIENCIES WHICH. TO THE BEST OF THE STRUCTURAL OBSERVER'S KNOWLEDGE, HAVE NOT BEEN RESOLVED. STRUCTURAL OBSERVATION SHALL BE PERFORMED FOR THE FOLLOWING CONSTRUCTION STAGES: A. PRIOR TO COVER OF:

NEW EQUIPMENT ATTACHMENT POINTS

ROOF FRAMING SYSTEM

SHEARWALL FRAMING, HOLD-DOWN, SILL BOLTS

ROOF SCREEN

VII. EXISTING CONDITION

EXISTING CONDITIONS ARE SHOWN BASED ON AVAILABLE BUILDING DOCUMENTS AS PREPARED BY WHEELER & GRAY DATED 10/1962. THE CONTRACTOR SHALL NOTIFY THE SEOR IF CONDITIONS ARE NOT SHOWN PRIOR TO PROCEEDING WITH THE WORK.

<b> </b>			12	11	10	TO	TAL N	UMBER OF DRAWINGS
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+			×	X			600D	SECTIONS & DETAILS
		<del>                                      </del>	X	×	Y.	S	600V	TYPICAL WOOD DETAILS
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VIII. / POST-JNSTALLED CONCRETE AND MASONRY ANDHORS /INSTALLATION HØLES FOR PØST/INSTALLED ANCHORS SHALL/BE/ORJELED WITH A/ROTARY HAMMER OR OTHER SUITABLE METHODS TO ENSURE THAT EXISTING REINFORGING IS NOT DAMAGED. ALL MISDRILLED OR UNACCEPTABLE/HOLES/SHALL NOT/BE/USED AND BROUTED/SOLID.

SPECIAL INSPECTION AND ANCHOR JESTING: SPECIAL INSPECTION IS REQUIRED UNLESS NOTED OTHERWISE.

DRILL-BIT COMPLIANCE WITH ANSI/ B94 12-1977/ CHECK/HOLE DEPTH & CLEANLINESS, PRODUCT DESCRIPTION INCLUDING PRODUCT NAME, ROL

DIAMÉTER AND LENGTH. VERIEY EPOXY/ADHESIVE EXPIRATION DATE.

VERIFY INSTALLATION AND JN-SÉRVICE TÉMPÉRATURE REQUIREMENTS MEET MANUFACTURER'S

CURRENT ICC REPORT REQUIREMENTS.

CHÉCK ANCHØR INSTALLATION METHOD REQUIREMENTS WITH MANUPACTURER'S PUBLISHED. INSTRUCTIONS AND THE CURRENT JCC REPORT.

PERFORM PULL-OUT OR TORQUE TEST WHERE SPECIFICALLY NOTED IN DRAWINGS. ÁDHÉSIVÉ ANCHØRS & RÉINFÓRØÍNG STEEL POWELS: MÍSTALLATÍON SHALL BE M ACCORDANCE WITH CURRENT PRODUCT/ICC/REPORT. THE FOLLOWING EPOXIES ARE APPROVED:

../concrete/diameter as noted in details. Minimun/embedment = /8 diameters SET-XP/EPOXY ADHESIVE AS MANUFACTURED BY SIMPSON STRONGTIE, ACC-ES/ESR/2508 HIT-RE 500-SD AS MANUFACTURED BY HILTI, INC., /ICC-ES/ESR 2322/

/B./solid/grouted masonry;/diameter/as/noted in details./minhmum/embedment =/8/diameters. SET-HIGH STRENGTH EPOXY AS MANUFACTURED BY SIMPSON STRONGTIE, /CC-ES/ESP/17/12 HY-150 AS MANUFACTURED BY HILTI, INC., ICC-ES ESR/2267 ADHESIVE ANCHORS INTO EXISTING UNGROUTED MASONRY CELLS:

USE HILTI/1/2" DYAMETER/HIT/A THREADED ROD, MIT-MY150 ADHESIVE AND HILTI/HIT/S-16/2 SCREEN. INSTALL ANCHORS/INTO FACE SHELL OF EXISTING UNGROUTED MASONRY. LOCATION AND SPACING AS INDICATED IN/ structural orawings. Install anchors per manufacturers instructions. EXPANSION/ANCHORS://INSTALLATION/SHALL BE IN ACCORDANCE WITH/PRODUCT ICC REPORT.

THE FOLLOWING ANCHORS ARE APPROVED: CONCRETE: / DIAMETER AS NOTED IN DETAILS / MINIMUM EMBEDMENT /= 8 DIAMETERS STRONG—BOLT AS MANUFACTURED BY SIMPSON STRONG—TIE, /ICC/ES/ESR 1,771

/KWIK BOLT/TZ/AS/MANYOFACTURED/BY/HILT(INC.,/ IOC-ES ESR/1917/ TRUBOLT4 AS MANUFACTURED BY ITW-BAMSET/REDHEAD, /CC/ES/ESB/ 2427

/SOLID BROUTED MASONRY: / BIAMETER AS NOTED IN BETAILS / MINIMUM EMBEDMENT /= 8 DIAMETERS KWIK BOLT/3 AS MANUFACTURED BY HILTI/NC/ 10°C ESR 1/385

SIMPSON STRONGTIE/WEBGE/ALL, /CC/ESB/1396/ /SCREW/ANCHORS: /INSTALLATION SHALL/BE/IN/ACCORDANCE/WITH CURRENT/PRODUCT JCC REPORT,/ DJAMETER, as noted in details. Minimum embedment =/8 diameters unless noted otherwise. TÍTEN HƠ ANCHOK AS MANUFACTÚREƠ BY SIMPSON STRONGTIE, / ICC-ES ESK-271.3/. WHERE ANCHORS ARE INSTALLED IN CONTACT WITH WOOD FRAMING AN OVERSIZE WASHER IS REQUIRED IN ORDER JO ACHIEVE JORQUE REQUIRED BY THE JCC REPORT, THE WASHER SHALL BE OF SUFFICIENT SIZE TO PREVENT, NOTICEABLE DEFORMATION OF WOOD FIEERS ON FACE OF MEMBER OUE TO TIGHTENING OF NUT. USE MINIMUM

/WASHER/SIZE 1/4"X3" SQUARE/VERIFY/REQUIRED WASHER SIZE/PRIOR TO INSTALLATION. /POWDER/ACTUATED\_FASTÉNERS\_(PAF): \_MSTALLATION/SHALL/BE\_M\_ACCORDANCE/WITH\_PRODUCT\_(CC/REPORT/ APPROVED ARE MANUFACTURED BY HILTI (ICC-ER ESR/1603), RAMSET (ICC-ER ESR/1709) AND SIMPSON (ICQ-ER ESR 2138). ANCHOR DYPE TO BE SELECTED PER MANUFACTURER'S PUBLISHED INSTRUCTIONS. / Á. /WOOD OR LIGHT GAGE STEEL TO STEEL CONNECTIONS:/0,745"/DIAMETER, MAXIMUM SPÁCING =/24

REFER TO MANUFACTÚRE'S SPECIFICATIONS AND ICC REPORT FOR PROPER FASTENER EMBEDMENT INTO WOOD OR MIGHT GAGE STEEL TO CONCRETE CONNECTIONS: / 0.745"/ DIAMETER, MAXIMUM SPACING ≠ 2 CONCRETÉ EMBERMENT  $\neq 1/1/2^n$ .

TECTS

Roesling Nakamura Terada Architects

285 N Ventura Ave #102 Ventura, CA 93001 P805.626.5330 F805.626.5350

www.RNTarchitects.com

NISHKIAN CHAMBERLAIN CONSULTING AND STRUCTURAL

3710 South Robertson Blvd, Suite 220 Tel: (310) 853-7180



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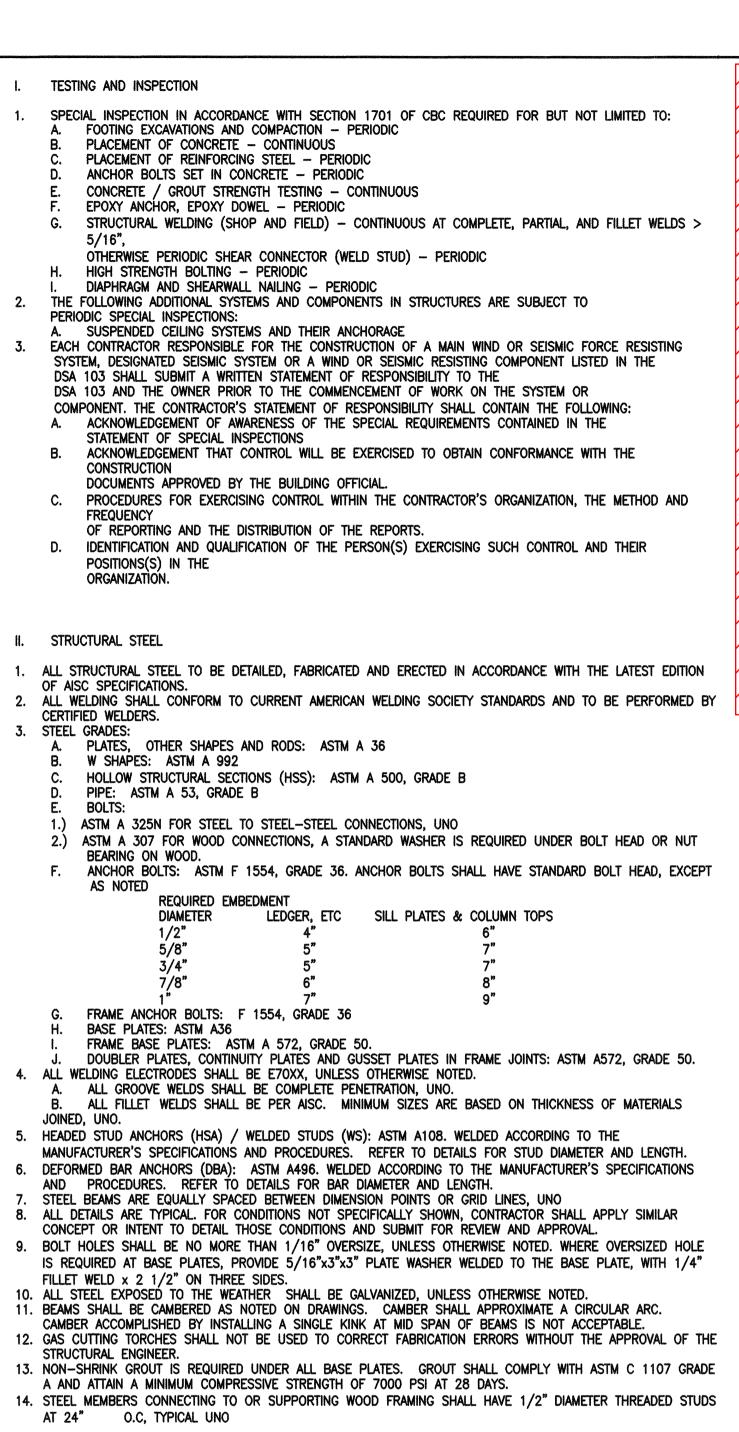
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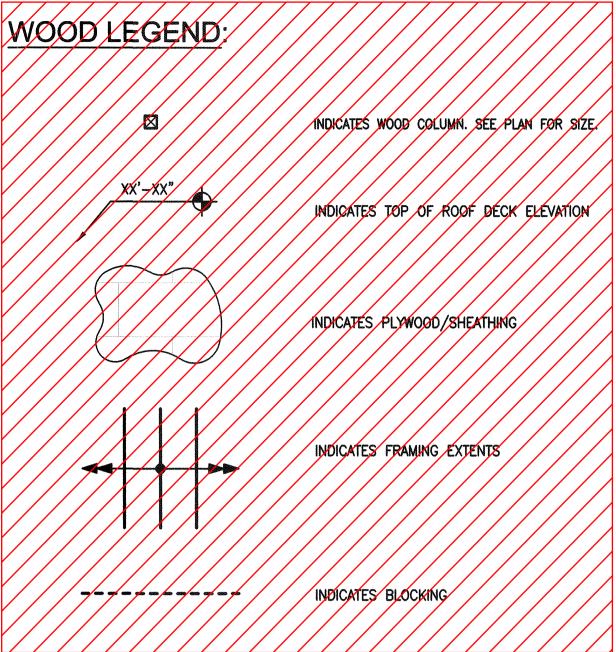
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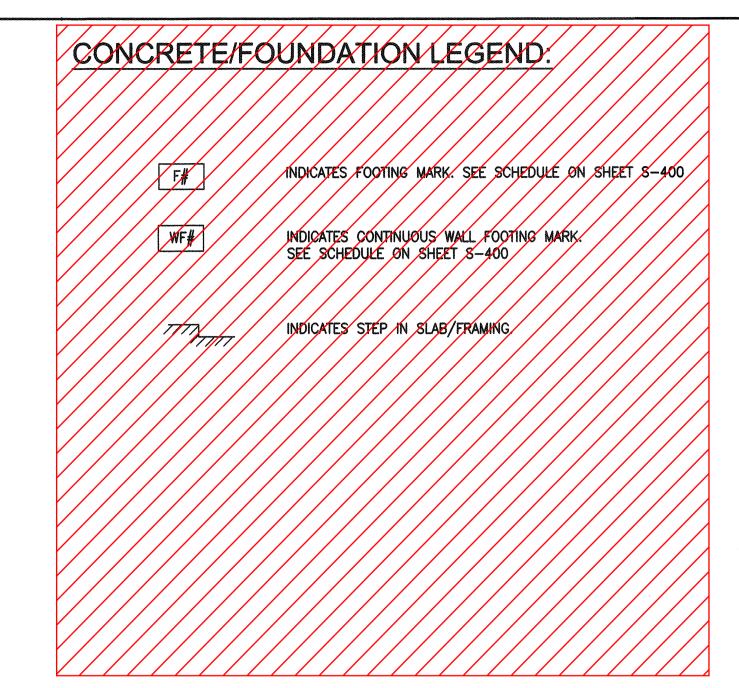
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**GENERAL NOTES** 

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# ARRDE\/IATIONIC:

ABBREV	/IATIONS:		
AB	ANCHOR BOLT	JST	JOIST
abv addm	ABOVE ADDENDUM	JT	JOINT
ALT ALUM	ALTERNATE ALUMINUM	K	KIP(S), 1000 POUNDS
AN APPROX	ANCHOR APPROXIMATE	LBS LH	POUNDS LEFT HAND
ARCH AVG	ARCHITECTURAL AVERAGE	LL	LIVE LOAD LONG LEG HORIZONTAL
		LLV	LONG LEG VERTICAL
B BF	BOTTOM (REINF) BRACED FRAME	LOC(S) LSL	LOCATION(S) LAMINATED STRAND LUMBER
BLDG BLKG	BUILDING BLOCKING	LVL LV	LAMINATED VENEER LUMBER LENGTH VARIES
BLW BM	BELOW BEAM	MAX	MAXIMUM
BO BOC	BOTTOM OF BOTTOM OF CONCRETE	MECH MEZZ	MECHANICAL MEZZANINE
BOD	BOTTOM OF DECK	MFR/MFG	MANUFACTURER
BOF BOS	BOTTOM OF FRAMING BOTTOM OF STEEL	MIN MISC	MINIMUM MISCELLANEOUS
BOT BRG	BOTTOM BEARING	MO MS	MASONRY OPENING METAL STUD
BRK BTWN	BRICK BETWEEN	MTL	METAL
BZ	BOUNDARY ZONE	N/A NIC	NOT APPLICABLE NOT IN CONTRACT
CBC	CALIFORNIA BUILDING CODE	No NOM	NUMBER NOMINAL
CIP CJ	CAST IN PLACE CONTROL JOINT	NS	NEAR SIDE
CL CLG	CENTERLINE CEILING	NTS (N)	NOT TO SCALE NEW
CLR CMU	CLEAR CONCRETE MASONRY UNIT	ос	ON CENTER
COL	COLUMN CONCRETE	OD OF	OUTSIDE DIAMETER OUTSIDE FACE
CONN	CONNECTION	OH OPNG	OPPOSITE HAND OPENING
CONT COORD	CONTINUOUS COORDINATE	OPP	OPPOSITE
CP CSJ	COMPLETE PENETRATION CONSTRUCTION JOINT		
CSK CTR	COUNTER SINK CENTER	PAF	POWDER ACTUATED FASTENERS
DBA	DEFORMED BAR ANCHOR	PJ PL	PANEL JOINT PLATE
DBL DEMO	DOUBLE DEMOLISH	PLWD PNL	PLYWOOD PANEL
DF-L	DOUGLAS FIR / LARCH	PP PSF	PARTIAL PENETRATION POUNDS PER SQUARE FOOT
D, DIA DIAG	DIAMETER DIAGONAL	PSL PT	PARALLEL STRAND LUMBER
DIAPH DIM	DIAPHRAGM DIMENSION	PI	POST TENSIONED/ PRESSURE TREATED
DJ DL	DOUBLE JOIST DEAD LOAD	R, RAD	RADIUS
DN DO	DOWN DITTO (SAME)	REF REINF	REFERENCE REINFORCEMENT
DP DTL	DEEP DETAIL	REQD REV	REQUIRED REVISION
DWG	DRAWING	RH RO	RIGHT HAND ROUGH OPENING
EA	EACH	SAD	SEE ARCHITECTURAL DRAWINGS
eb ef	EXPANSION BOLT EACH FACE	SCD	SEE CIVIL DRAWINGS
ej El	EXPANSION JOINT ELEVATION	SCH SECT	SCHEDULE SECTION
elev En	ELEVATOR EDGE NAILING	SF SHT	SQUARE FEET SHEET
EQ EQUIP	EQUAL EQUIPMENT	SHTG SIM	SHEATHING SIMILAR
ES EW	EACH SIDE EACH WAY	SL SMD	SNOW LOAD SEE MECHANICAL DRAWINGS
(E), EXIST	EXISTING	SOG SPECS	SLAB ON GRADE SPECIFICATIONS
exp ext	EXPANSION EXTERIOR	SQ SS	SQUARE STAINLESS STEEL
FDN	FOUNDATION	STD	STANDARD
FIN FLR	FINISH FLOOR (ING)	STGD STL	STAGGERED STEEL
FO FOB	FACE OF FACE OF BRICK	STIFF STRUCT	STIFFENER STRUCTURAL
FOC FOF	FACE OF CONCRETE FACE OF FINISH	SYMM	SYMMETRICAL
FOM FOSH	FACE OF MASONRY FACE OF SHEATHING	T T&B	TOP (REINF) TOP AND BOTTOM
FOS	FACE OF STUD	T&G TEMP	TONGUE AND GROOVE TEMPERATURE
FOFW FOW	FACE OF FOUNDATION WALL FACE OF WALL	THK TN	THICK (NESS) TOE NAIL
FT FS	FEET FAR SIDE	то	TOP OF
FTG	FOOTING	TOC TOD	TOP OF CONCRETE TOP OF DECK (ING)
GA GALV	GAUGE GALVANIZED	TOF TOM	TOP OF FRAMING FOOTING TOP OF MASONRY
GL GYP	GLU-LAM GYPSUM	TOPL TOS	TOP OF PLATE TOP OF STEEL
GWB	GYPSUM WALL BOARD	TOW TSA	TOP OF WALL THREADED STUD ANCHOR
HD	HOLD DOWN	TYP	TYPICAL
HDG HDR	HOT-DIP GALVANIZED HEADER	UNO	UNLESS NOTED OTHERWISE
HORIZ HSA	HORIZONTAL HEADED STUD ANCHOR	VERT	VERTICAL
HSB HSS	HIGH STRENGTH BOLTS HOLLOW STRUCTURAL STEEL	VIF	VERIFY IN FIELD
HT HVAC	HEIGHT HEATING VENTILATING & AC	w/ w/o	WITH WITHOUT
IBC		WD WP	WOOD WORK POINT
ID	INTERNATIONAL BUILDING CODE INSIDE DIAMETER	WS WT	WELDED STUD WEIGHT
IF IN	INSIDE FACE INCHES	WWF	WELDED WIRE FABRIC
INFO INT	INFORMATION INTERIOR	YD	YARD
		#	POUND, SCREW SIZE,
			REBAR SIZE



Roesling Nakamura Terada Architects 285 N Ventura Ave #102

Ventura, CA 93001

P805.626.5330

F805.626.5350

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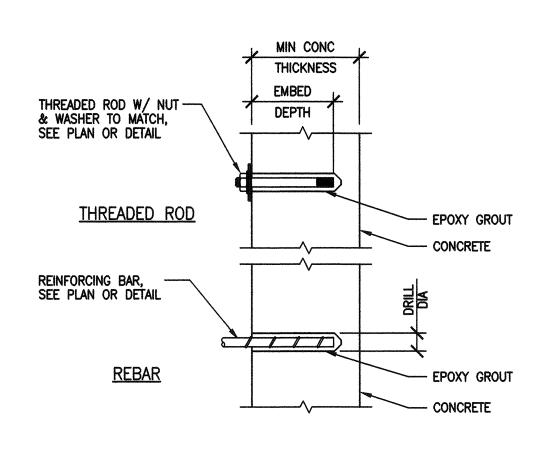
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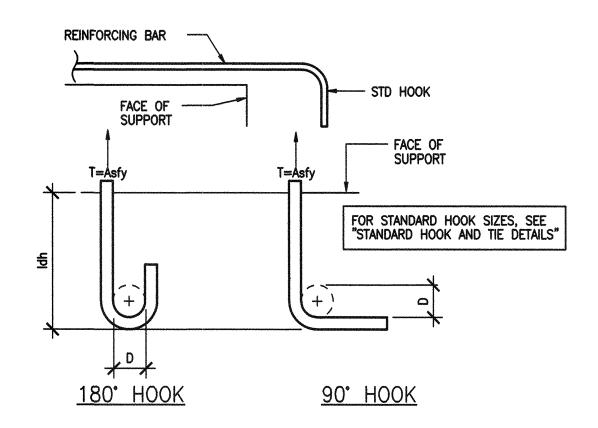
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	GROUTED	ANCHO	RS IN CO	NCRETE
ROD SIZE	ASTM MATERIAL STANDARD	MIN EMBED (IN)	MIN CONCRETE THICKNESS (IN)	REMARKS
1/2"	A36/A307	4-1/4	6-3/8	
5/8"	A36/A307	5	7-1/2	
3/4"	A36/A307	6-3/4	10-1/8	
7/8"	A36/A307	7-3/4	11-5/8	
1"	A36/A307	9	13-1/2	
#4	A615/A706	4-1/4	6-3/8	
#5	A615/A706	5-1/4	7–7/8	
#6	A615/A706	6-3/4	10-1/8	
#7	A615/A706	7-3/4	11-5/8	
#8	A615/A706	9	13-1/2	
#9	A615/A706	10	15	
#10	A615/A706	12	18	
#11	A615/A706	13-1/2	20-1/4	

1. INSTALL IN STRICT CONFORMANCE WITH MANUFACTURERS RECOMMENDATIONS. GROUTED EPOXY ANCHORS SHALL BE: (A) SIMPSON SET-XP EPOXY-TIE, MANUFACTURED BY SIMPSON STRONG-TIE COMPANY, INC. (ICC ESR 2508)

(B) HILTI RE-500, MANUFACTURED BY HILTI, INC, (ICBO REPORT No ER-2322) 2. SPECIAL INSPECTION SHALL BE PROVIDED FOR ANCHOR INSTALLATION.



BAR
SIZE     3,000     4,000     5,000     6,000     7,000     8,000       #3     6"     6"     6"     6"     6"     6"       #4     8"     7"     6"     6"     6"     6"       #5     10"     9"     8"     7"     7"     6"       #6     12"     10"     9"     8"     8"     7"       #7     14"     12"     11"     10"     9"     9"
3,000     4,000     5,000     6,000     7,000     8,000       #3     6"     6"     6"     6"     6"     6"       #4     8"     7"     6"     6"     6"     6"       #5     10"     9"     8"     7"     7"     6"       #6     12"     10"     9"     8"     8"     7"       #7     14"     12"     11"     10"     9"     9"
#4 8" 7" 6" 6" 6" 6" 6" 6" 6" 45 10" 9" 8" 7" 7" 6" 47 14" 12" 11" 10" 9" 9" 9"
#5 10" 9" 8" 7" 7" 6" #6 12" 10" 9" 8" 8" 7" #7 14" 12" 11" 10" 9" 9"
#6 12" 10" 9" 8" 8" 7" #7 14" 12" 11" 10" 9" 9"
#7 14" 12" 11" 10" 9" 9"
#8 16" 14" 12" 11" 10" 10"
#9 18" 15" 14" 13" 12" 11"
#10 20" 17" 15" 14" 13" 12"
#11 22" 19" 17" 16" 14" 14"
#14 37" 32" 29" 27" 25" 23"

MINIMUM TENSION EMBEDMENT LENGTHS, (Idh),

#18 50"

NOTES:

1. SIDE COVER ≥2 1/2 INCHES.
2. END COVER (90° HOOKS) ≥ 2 INCHES.
3. FOR SIDE COVER < 2 1/2 INCHES AND END COVER < 2 INCHES, MULTIPLY THE TABULATED VALUES BY 1.43.
4. FOR LIGHT WEIGHT AGGREGATE CONCRETE, MULTIPLY THE TABULATED VALUES BY 1.3.
5. FOR EPOXY—COATED BARS, MULTIPLY THE TABULATED VALUES BY 1.2

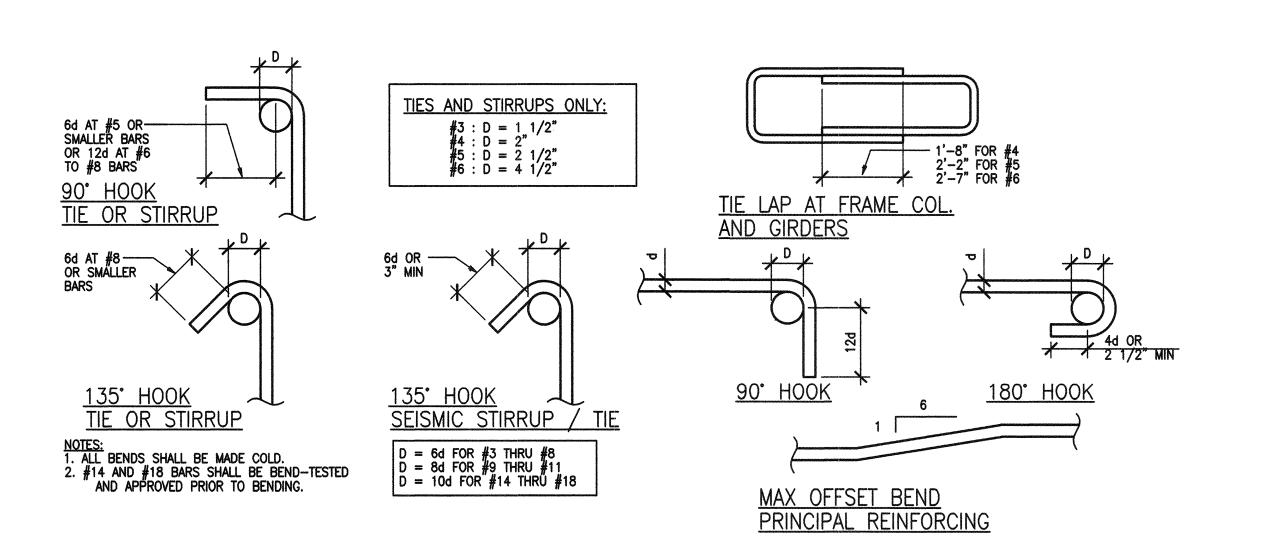
43" 39"

35"

**33**"

**EPOXY GROUTED ANCHORS EMBED SCHD IN CONC** SCALE: NTS

EMBEDMENT LENGTHS FOR HOOKED BARS



CASE 1

REINFORCING BAR SPLICE AND STRAIGHT DEVELOPMENT LENGTHS SCHEDULE (SEE NOTES BELOW) (NORMAL WEIGHT CONCRETE)

					<b>#</b> 5	#6	#7	#8	#9	#10	#11
	8	TOP	22"	29"	36"	43"	63"	72"	81"	91"	101"
(S 전 (S 전 (S	3000	OTHER	17"	22"	28"	33"	48"	55"	62"	70"	78"
STRA PMENT Ld (1	8	TOP	19"	25"	31"	37"	54"	62"	70"	79"	87"
CLASS A & STRAIGHT DEVELOPMENT LENGTHS, Ld (IN)	4000	OTHER	15"	19"	24"	29"	42"	48"	54"	61"	67"
CLASS	5000	TOP	17"	22"	28"	33"	49"	55"	63"	70"	78"
	20	OTHER	13"	17"	22"	26"	37"	43"	48"	54"	60"
	>6000	TOP	15"	20"	25"	30"	44"	50"	57"	64"	71"
	)9≺	OTHER	12"	16"	20"	23"	34"	39"	44"	49"	35"
	8	TOP	28"	37"	47"	56"	81"	93"	105"	118"	131"
	3000	OTHER	22"	29"	36"	43"	63"	72"	81"	91"	101"
æ	8	TOP	24"	32"	40"	48"	70"	80"	91"	102"	113"
CLASS	4000	OTHER	19"	25"	31"	37"	54"	62"	70"	79"	87"
	5000	TOP	22"	29"	36"	43"	63"	72"	81"	91"	101"
	20	OTHER	17"	22"	28"	33"	49"	55"	63"	70"	78 <b>"</b>
	90	TOP	20"	26"	33"	40"	58"	66"	74"	83"	93"
	0009₹	OTHER	15"	20"	25"	30"	44"	51"	57"	64"	71"

CASE 2

REINFORCING BAR SPLICE AND STRAIGHT DEVELOPMENT LENGTHS SCHEDULE (SEE NOTES BELOW) (NORMAL WEIGHT CONCRETE)

Programme and the company of the com			#4	<b>#</b> 5	#6	<b>#</b> 7	<del>#</del> 8	<b>#</b> 9	#10	#11
<sub>8</sub>	ТОР	32"	43"	54"	64"	94"	107"	121"	136"	151"
IGHT N) 3000	OTHER	25"	33"	41"	50"	72"	82"	93"	105"	116"
STRA PMENT Ld (i	TOP	28"	37"	47"	56"	81"	93"	105"	118"	131"
CLASS A & STRAIGHT DEVELOPMENT LENGTHS, Ld (IN)	OTHER	22"	29"	36"	43"	63"	71"	81"	91"	101"
CLAS.	TOP	25"	33"	42"	50"	73"	83"	94"	105"	117"
2000	OTHER	19"	26"	32"	38"	56"	64"	72"	81"	90"
0009<	ТОР	23"	30"	38"	46"	66"	76"	85"	96"	107"
	OTHER	18"	23"	29"	35"	51"	58"	66"	74"	82"
8	ТОР	42"	56"	70"	84"	122"	139"	157"	177"	195"
3000	OTHER	32"	43"	54"	64"	94"	107"	121"	136"	151"
a 8	ТОР	36"	48"	60"	72"	106"	121"	136"	153"	170"
CLASS B	OTHER	28"	37"	47"	56"	81"	93"	105"	118"	131"
2000	ТОР	33"	43"	54"	65"	94"	108"	122"	137"	152"
20	OTHER	25"	33"	42"	50"	73"	83"	94"	105"	117"
0009<	ТОР	30"	40"	49"	59"	86"	98"	111"	125"	139"
	OTHER	23"	30"	38"	46"	66"	76"	85"	96"	107"

1. TABULATED VALUES ARE BASED ON ACI 318-05 CHAPTER 12, GRADE 60 REINFORCING BARS AND NORMAL WEIGHT CONCRETE.

2. CASES 1 AND 2, WHICH DEPEND ON THE TYPE OF STRUCTURAL ELEMENT, CONCRETE COVER, AND THE CENTER-TO-CENTER SPACING OF THE BARS, ARE DEFINED AS:

CASE CONCRETE COVER  $\geq$  1.0 db and ctr-ctr spacing  $\geq$  2.0 db and with stirrups or ties throughout Ld not less than the code minimum. BEAMS AND COLUMNS:

CASE 2: CONCRETE COVER < 1.0 db AND CTR-CTR SPACING

ALL OTHER ELEMENTS: CONCRETE COVER ≥ 1.0 db AND CTR-CTR SPACING CASE 1: CASE 2: CONCRETE COVER < 1.0 db AND CTR-CTR SPACING

3. LAP SPLICES OF DEFORMED BARS AND DEFORMED WIRE IN TENSION SHALL BE CLASS B SPLICES EXCEPT THAT CLASS A SPLICES ARE ALLOWED

WHEN ONE—HALF OR LESS OF THE TOTAL REINFORCEMENT IS SPLICED WITHIN THE REQUIRED LAP LENGTH.

4. FOR LIGHTWEIGHT AGGREGATE CONCRETE, MULTIPLY THE TABULATED VALUES

5. FOR EPOXY—COATED BARS, MULTIPLY THE TABULATED VALUES BY ONE OF THE FOLLOWING FACTORS: CONCRETE COVER AND SPACING TOP BARS OTHER BARS COVER < 3.0 db OR CTR-CTR SPACING < 7.0 db COVER  $\geq$  3.0 db OR CTR-CTR SPACING  $\geq$  7.0 db 1.50 1.20

6. db = NOMINAL DIAMETER OF A BAR.

7. TOP BARS ARE HORIZONTAL REINFORCING WITH MORE THAN 12" OF CONCRETE CAST BELOW THE BAR.

8. OTHER BARS ARE ALL VERTICAL REINFORCING, ALL HORIZONTAL WALL REINFORCING, AND HORIZONTAL REINFORCING WITH LESS THAN 12" OF CONCRETE BELOW BAR.

9. SMALLER BAR LAP LENGTH MAY BE USED WHEN SPLICING DIFFERENT SIZE BARS. 10. LAP SPLICES ARE NOT PERMITTED IF MECHANICAL SPLICES ARE SHOWN.

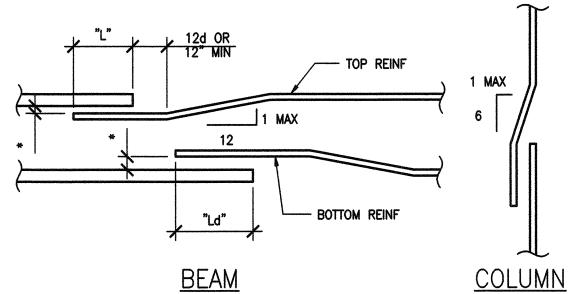
11. NON-CONTACT LAP SPLICED BARS SHALL NOT BE SPACED TRANSVERSELY FUTHER APART THAN ONE -FIFTH OF THE REQUIRED LAP SPLICE LENGTH NOR 6 INCHES.

12. LAP TOP BARS AT MIDSPAN AND BOTTOM BARS AT SUPPORTS UNLESS OTHERWISE SHOWN. 13. BUNDLED BAR SPLICES:

A. INDIVIDUAL BAR SPLICES WITHIN THE BUNDLE SHALL NOT OVERLAP EACH

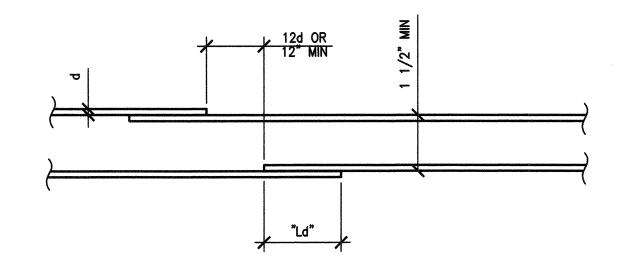
B. INCREASE LAP LENGTH 20% AT THREE BARS. INCREASE LAP LENGTH 33% AT FOUR BARS.

REINFORCING BAR - EXTEND BAR STRAIGHT UNO PROVIDE STANDARD HOOK WHERE NECESSARY FACE OF SUPPORT



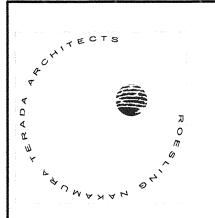
\*1 1/2" OR WIRED IN CONTACT

BOUNDARY, COLUMN AND BEAM REINFORCING SPLICE DETAIL



B WALL OR SLAB REINFORCING

REINFORCING BAR SPLICE SCHEDULE AND NOTES



Roesling Nakamura Terada Architects

285 N Ventura Ave #102 Ventura, CA 93001 P805.626.5330

www.RNTarchitects.com

F805.626.5350

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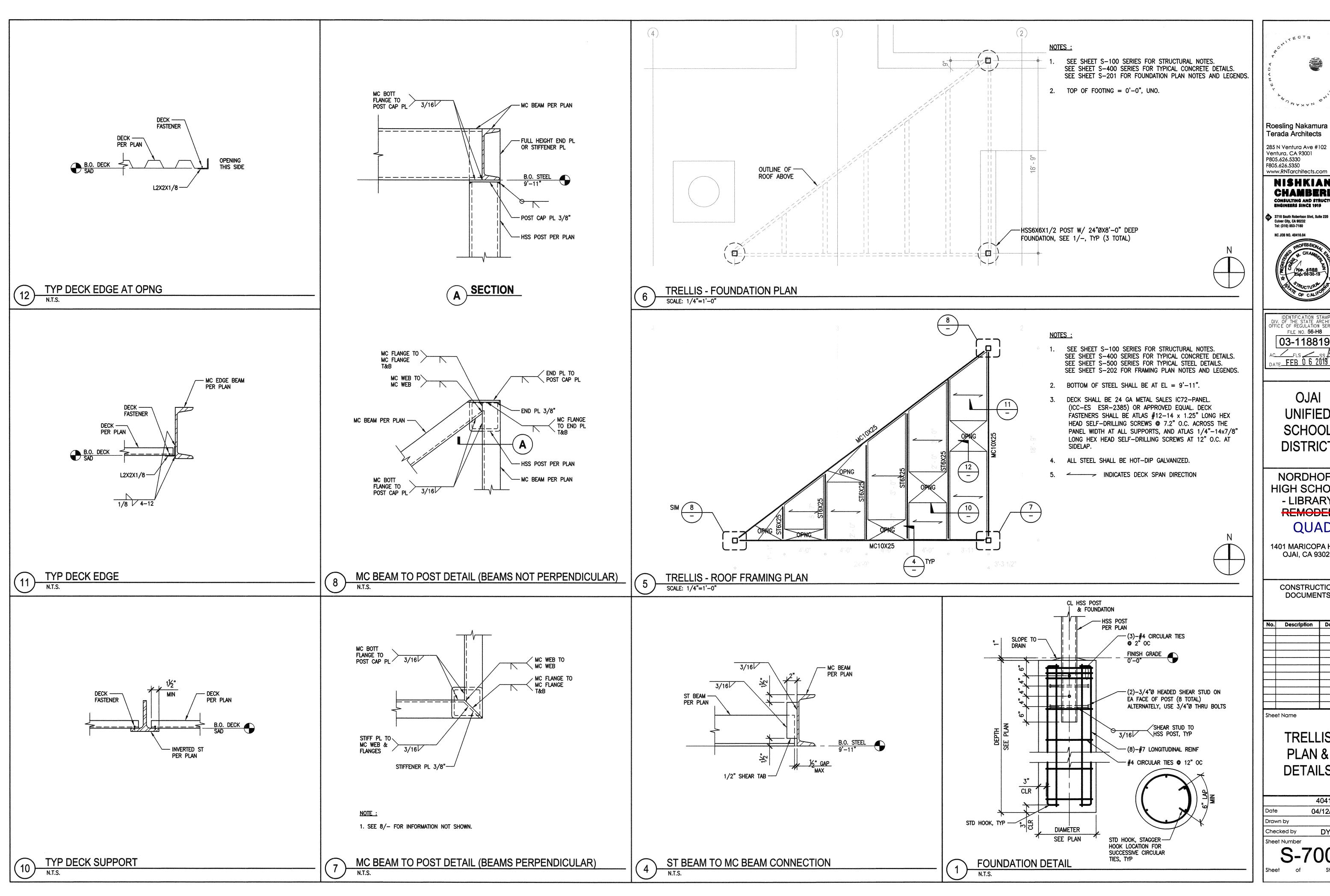
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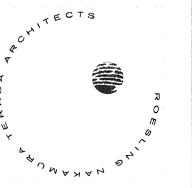
**TYPICAL** CONCRETE **DETAILS** 

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STANDARD HOOK AND TIE DETAILS





Roesling Nakamura Terada Architects

285 N Ventura Ave #102 Ventura, CA 93001 P805.626.5330 F805.626.5350

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