

Enclosure 1. Contractor's Declaration Form

County of San Mateo Contractor's Declaration Form

I. CONTRACTOR INFORMATION

Contractor Name:		Phone:	
Contact Person:		Fax:	
Address:			

II. EQUAL BENEFITS (check one or more boxes)

Contractors with contracts in excess of \$5,000 must treat spouses and domestic partners equally as to employee benefits.

- Contractor complies with the County's Equal Benefits Ordinance by:
 - offering equal benefits to employees with spouses and employees with domestic partners.
 - offering a cash equivalent payment to eligible employees in lieu of equal benefits.
- Contractor does not comply with the County's Equal Benefits Ordinance.
- Contractor is exempt from this requirement because:
 - Contractor has no employees, does not provide benefits to employees' spouses, or the contract is for \$5,000 or less.
 - Contractor is a party to a collective bargaining agreement that began on _____ (date) and expires on _____ (date), and intends to offer equal benefits when said agreement expires.

III. NON-DISCRIMINATION (check appropriate box)

- Finding(s) of discrimination have been issued against Contractor within the past year by the Equal Employment Opportunity Commission, Fair Employment and Housing Commission, or other investigative entity. Please see attached sheet of paper explaining the outcome(s) or remedy for the discrimination.
- No finding of discrimination has been issued in the past year against the Contractor by the Equal Employment Opportunity Commission, Fair Employment and Housing Commission, or any other entity.

IV. EMPLOYEE JURY SERVICE (check one or more boxes)

Contractors with original or amended contracts in excess of \$100,000 must have and adhere to a written policy that provides its employees living in San Mateo County up to five days regular pay for actual jury service in the County.

- Contractor complies with the County's Employee Jury Service Ordinance.
- Contractor does not comply with the County's Employee Jury Service Ordinance.
- Contractor is exempt from this requirement because:
 - the contract is for \$100,000 or less.
 - Contractor is a party to a collective bargaining agreement that began on _____ (date) and expires on _____ (date), and intends to comply when the collective bargaining agreement expires.

I declare under penalty of perjury under the laws of the State of California that the foregoing is true and correct, and that I am authorized to bind this entity contractually.

Signature

Name

Date

Title

Enclosure 2. Standard County Agreement with Independent Contractor

AGREEMENT FOR TRAFFIC ENGINEERING SERVICES BETWEEN THE COUNTY OF SAN MATEO AND

[Contractor name]

THIS AGREEMENT, entered into this _____ day of _____, 2012, by and between the COUNTY OF SAN MATEO, hereinafter called "County," and [Contractor name here], hereinafter called "Contractor";

W I T N E S S E T H:

WHEREAS, pursuant to Government Code, Section 31000, County may contract with independent contractors for the furnishing of such services to or for County or any Department thereof;

WHEREAS, it is necessary and desirable that Contractor be retained for the purpose of providing engineering and other related professional and technical services required for the delivery of various types of capital improvement projects.

NOW, THEREFORE, IT IS HEREBY AGREED BY THE PARTIES HERETO AS FOLLOWS:

1. Exhibits and Attachments

The following exhibits and attachments are included hereto and incorporated by reference herein:

Exhibit A – Services

Exhibit B – Payments and rates

Attachment I - §504 Compliance

Attachment IP – Intellectual Property *(**if the IP Attachment does not apply to this contract then delete this line**)*

2. Services to be performed by Contractor

In consideration of the payments set forth herein and in Exhibit “B,” Contractor shall perform services for County in accordance with the terms, conditions and specifications set forth herein and in Exhibit “A” and Exhibit “C.”

3. Payments

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In consideration of the services provided by Contractor in accordance with all terms, conditions and specifications set forth herein and in Exhibit "A" and Exhibit "C", County shall make payment to Contractor based on the rates and in the manner specified in Exhibit "B." The County reserves the right to withhold payment if the County determines that the quantity or quality of the work performed is unacceptable. In no event shall the County's total fiscal obligation under this Agreement exceed [Write out amount], [\$Amount].

4. Term and Termination

Subject to compliance with all terms and conditions, the term of this Agreement shall be from [Month and day], 20[Last 2 digits of year] through [Month and day], 20[Last 2 digits of year].

This Agreement may be terminated by Contractor, the Director of Department of Public Works or his/her designee at any time without a requirement of good cause upon thirty (30) days' written notice to the other party.

In the event of termination, all finished or unfinished documents, data, studies, maps, photographs, reports, and materials (hereafter referred to as materials) prepared by Contractor under this Agreement shall become the property of the County and shall be promptly delivered to the County. Upon termination, the Contractor may make and retain a copy of such materials. Subject to availability of funding, Contractor shall be entitled to receive payment for work/services provided prior to termination of the Agreement. Such payment shall be that portion of the full payment which is determined by comparing the work/services completed to the work/services required by the Agreement.

5. Availability of Funds

The County may terminate this Agreement or a portion of the services referenced in the Attachments and Exhibits based upon unavailability of Federal, State, or County funds, by providing written notice to Contractor as soon as is reasonably possible after the County learns of said unavailability of outside funding.

6. Relationship of Parties

Contractor agrees and understands that the work/services performed under this Agreement are performed as an independent Contractor and not as an employee of the County and that Contractor acquires none of the rights, privileges, powers, or advantages of County employees.

7. Hold Harmless

Enclosure 2. Standard County Agreement with Independent Contractor

To the full extent permitted by law, Contractor shall indemnify and save harmless County, its officers, agents, employees, and servants from all claims, suits, or actions of every name, kind, and description, brought for, or on account of: (A) injuries to or death of any person, including Contractor, or (B) damage to any property of any kind whatsoever and to whomsoever belonging, (C) any sanctions, penalties or claims of damages resulting from Contractor's failure to comply with applicable laws, or (D) any other loss or cost resulting from the Contractor's negligent or reckless acts or omissions or willful misconduct in connection with the performance of any work required of Contractor or payments made pursuant to this Agreement, provided that this shall not apply to injuries or damage for which the County has been found in a court of competent jurisdiction to be solely liable by reason of its own negligence or willful misconduct.

The duty of Contractor to indemnify and save harmless as set forth herein, shall include the duty to defend as set forth in Section 2778 of the California Civil Code.

The obligations set forth in this section shall continue beyond the term of this Agreement as to any act or omission which occurred during or under this Agreement.

8. Assignability and Subcontracting

Contractor shall not assign this Agreement or any portion thereof to a third party or subcontract with a third party to provide services required by contractor under this Agreement without the prior written consent of County. Any such assignment or subcontract without the County's prior written consent shall give County the right to automatically and immediately terminate this Agreement.

9. Insurance

The Contractor shall not commence work or be required to commence work under this Agreement unless and until all insurance required under this paragraph has been obtained and such insurance has been approved by Risk Management, and Contractor shall use diligence to obtain such insurance and to obtain such approval. The Contractor shall furnish the County with certificates of insurance evidencing the required coverage, and there shall be a specific contractual liability endorsement extending the Contractor's coverage to include the contractual liability assumed by the Contractor pursuant to this Agreement. These certificates shall specify or be endorsed to provide that thirty (30) days' notice must be given, in writing, to the County of any pending change in the limits of liability or of any cancellation or modification of the policy.

- (1) **Worker's Compensation and Employer's Liability Insurance** The Contractor shall have in effect during the entire life of this Agreement Workers' Compensation and Employer's Liability Insurance providing full statutory coverage. In signing this Agreement, the Contractor certifies, as required by Section 1861 of the California Labor Code, that it is aware of the provisions of Section 3700 of the California Labor Code which requires every employer to be insured against liability for Worker's Compensation or to undertake self-insurance in accordance with the provisions of the Code, and I will comply with such provisions before commencing the performance of

Enclosure 2. Standard County Agreement with Independent Contractor

the work of this Agreement.

- (2) **Liability Insurance** The Contractor shall take out and maintain during the life of this Agreement such Bodily Injury Liability and Property Damage Liability Insurance as shall protect him/her while performing work covered by this Agreement from any and all claims for damages for bodily injury, including accidental death, as well as any and all claims for property damage which may arise from contractors operations under this Agreement, whether such operations be by himself/herself or by any sub-contractor or by anyone directly or indirectly employed by either of them. Such insurance shall be combined single limit bodily injury and property damage for each occurrence and shall be not less than the amount specified below.

Such insurance shall include:

- | | |
|---|-------------|
| (a) Comprehensive General Liability | \$1,000,000 |
| (b) Motor Vehicle Liability Insurance | \$1,000,000 |
| (c) Professional Liability | \$1,000,000 |

County and its officers, agents, employees and servants shall be named as additional insured on any such policies of insurance, which shall also contain a provision that the insurance afforded thereby to the County, its officers, agents, employees and servants shall be primary insurance to the full limits of liability of the policy, and that if the County or its officers and employees have other insurance against the loss covered by such a policy, such other insurance shall be excess insurance only.

In the event of the breach of any provision of this section, or in the event any notice is received which indicates any required insurance coverage will be diminished or canceled, the County of San Mateo at its option, may, notwithstanding any other provision of this Agreement to the contrary, immediately declare a material breach of this Agreement and suspend all further work pursuant to this Agreement.

10. **Compliance with laws; payment of Permits/Licenses**

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services to be performed by Contractor pursuant to this Agreement shall be performed in accordance with all applicable Federal, State, County, and municipal laws, including, but not limited to, Health Insurance Portability and Accountability Act of 1996 (HIPAA) and all Federal regulations promulgated thereunder, as amended, and the Americans with Disabilities Act of 1990, as amended, and Section 504 of the Rehabilitation Act of 1973, as amended and attached hereto and incorporated by reference herein as Attachment "I," which prohibits discrimination on the basis of handicap in programs and activities receiving any Federal or County financial assistance. Such services shall also be performed in accordance with all applicable ordinances and regulations, including, but not limited to, appropriate licensure, certification regulations, provisions pertaining to confidentiality of records, and applicable quality assurance regulations. Further, Contractor certifies that the Contractor and all of its subcontractors will adhere to all applicable provisions of Chapter 4.106 of the San Mateo County Ordinance Code, which regulates the use of disposable food service ware.

In the event of a conflict between the terms of this agreement and State, Federal, County, or municipal law or regulations, the requirements of the applicable law will take precedence over the requirements set forth in this Agreement.

Contractor will timely and accurately complete, sign, and submit all necessary documentation of compliance.

11. Non-Discrimination and Other Requirements

- A. *Section 504 applies only to Contractor who are providing services to members of the public.* Contractor shall comply with § 504 of the Rehabilitation Act of 1973, which provides that no otherwise qualified handicapped individual shall, solely by reason of a disability, be excluded from the participation in, be denied the benefits of, or be subjected to discrimination in the performance of this Agreement.
- B. *General non-discrimination.* No person shall, on the grounds of race, color, religion, ancestry, gender, age (over 40), national origin, medical condition (cancer), physical or mental disability, sexual orientation, pregnancy, childbirth or related medical condition, marital status, or political affiliation be denied any benefits or subject to discrimination under this Agreement.
- C. *Equal employment opportunity.* Contractor shall ensure equal employment opportunity based on objective standards of recruitment, classification, selection, promotion, compensation, performance evaluation, and management relations for all employees under this Agreement. Contractor's equal employment policies shall be made available to County of San Mateo upon request.
- D. *Violation of Non-discrimination provisions.* Violation of the non-discrimination provisions of this Agreement shall be considered a breach of this Agreement and subject the Contractor to penalties, to be determined by the County Manager, including but not limited to
 - i) termination of this Agreement;
 - ii) disqualification of the Contractor from bidding on or being awarded a County contract for a period of up to 3 years;
 - iii) liquidated damages of \$2,500 per violation;

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- iv) imposition of other appropriate contractual and civil remedies and sanctions, as determined by the County Manager.

To effectuate the provisions of this section, the County Manager shall have the authority to examine Contractor's employment records with respect to compliance with this paragraph and/or to set off all or any portion of the amount described in this paragraph against amounts due to Contractor under the Contract or any other Contract between Contractor and County.

Contractor shall report to the County Manager the filing by any person in any court of any complaint of discrimination or the filing by any person of any and all charges with the Equal Employment Opportunity Commission, the Fair Employment and Housing Commission or any other entity charged with the investigation of allegations within 30 days of such filing, provided that within such 30 days such entity has not notified Contractor that such charges are dismissed or otherwise unfounded. Such notification shall include the name of the complainant, a copy of such complaint, and a description of the circumstance. Contractor shall provide County with a copy of their response to the Complaint when filed.

- E. *Compliance with Equal Benefits Ordinance.* With respect to the provision of employee benefits, Contractor shall comply with the County Ordinance which prohibits contractors from discriminating in the provision of employee benefits between an employee with a domestic partner and an employee with a spouse.
- F. The Contractor shall comply fully with the non-discrimination requirements required by 41 CFR 60-741.5(a), which is incorporated herein as if fully set forth.

12. Compliance with Contractor Employee Jury Service Ordinance

Contractor shall comply with the County Ordinance with respect to provision of jury duty pay to employees and have and adhere to a written policy that provides that its employees shall receive from the Contractor, on an annual basis, no less than five days of regular pay for actual jury service in San Mateo County. The policy may provide that employees deposit any fees received for such jury service with the Contractor or that the Contractor deduct from the employees' regular pay the fees received for jury service.

13. Retention of Records, Right to Monitor and Audit

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a) CONTRACTOR shall maintain all required records for three (3) years after the COUNTY makes final payment and all other pending matters are closed, and shall be subject to the examination and/or audit of the County, a Federal grantor agency, and the State of California.

(b) Reporting and Record Keeping: CONTRACTOR shall comply with all program and fiscal reporting requirements set forth by appropriate Federal, State and local agencies, and as required by the COUNTY.

(c) CONTRACTOR agrees to provide to COUNTY, to any Federal or State department having monitoring or review authority, to COUNTY's authorized representatives, and/or their appropriate audit agencies upon reasonable notice, access to and the right to examine all records and documents necessary to determine compliance with relevant Federal, State, and local statutes, rules and regulations, and this Agreement, and to evaluate the quality, appropriateness and timeliness of services performed.

14. Merger Clause

This Agreement, including the Exhibits attached hereto and incorporated herein by reference, constitutes the sole Agreement of the parties hereto and correctly states the rights, duties, and obligations of each party as of this document's date. In the event that any term, condition, provision, requirement or specification set forth in this body of the agreement conflicts with or is inconsistent with any term, condition, provision, requirement or specification in any exhibit and/or attachment to this agreement, the provisions of this body of the agreement shall prevail. Any prior agreement, promises, negotiations, or representations between the parties not expressly stated in this document are not binding. All subsequent modifications shall be in writing and signed by the parties.

15. Controlling Law and Venue

The validity of this Agreement and of its terms or provisions, as well as the rights and duties of the parties hereunder, the interpretation, and performance of this Agreement shall be governed by the laws of the State of California. Any dispute arising out of this Agreement shall be venued either in the San Mateo County Superior Court or the United States District Court for the Northern District of California.

16. Notices

Any notice, request, demand, or other communication required or permitted hereunder shall be deemed to be properly given when both (1) transmitted via facsimile to the telephone number listed below and (2) either deposited in the United States mail, postage prepaid, or when deposited for overnight delivery with an established overnight courier that provides a tracking number showing confirmation of receipt for transmittal, charges prepaid, addressed to:

In the case of County, to:

County of San Mateo
Department of Public Works

Enclosure 2. Standard County Agreement with Independent Contractor

555 County Center, 5th Floor
Redwood City, CA 94063
Telephone: (650) 363-4100
Facsimile: (650) 361-8220

In the case of Contractor, to:

Name
Address
City, CA -----
Telephone:
Facsimile:

In the event that the facsimile transmission is not possible, notice shall be given both by United States mail and an overnight courier as outlined above.

IN WITNESS WHEREOF, the parties hereto, by their duly authorized representatives, have affixed their hands.

COUNTY OF SAN MATEO

By: _____
President, Board of Supervisors, San Mateo County

Date: _____

ATTEST:

By: _____
Clerk of Said Board

[Contractor Name Here]

Contractor's Signature

Date: _____

Enclosure 2. Standard County Agreement with Independent Contractor

Exhibit "A"

In consideration of the payments set forth in Exhibit "B", Contractor shall provide the following services:

Exhibit "B"

In consideration of the payments set forth in Exhibit "A", County shall pay Contractor based on the following fee schedule:

Enclosure 3. Equal Benefits program Standard

Chapter 2.93 COUNTY CONTRACTS--NON-DISCRIMINATION IN BENEFITS

[2.93.010 Definitions.](#)

[2.93.020 Discrimination in the provision of benefits prohibited.](#)

[2.93.030 Application of chapter.](#)

[2.93.040 Powers and duties of the County Manager.](#)

[2.93.050 Date of application.](#)

2.93.010 Definitions.

For the purposes of this chapter:

(a) "Contract" means a legal agreement between the County and a contractor for public works, consulting, or other services, or for purchase of supplies, material or equipment for which the consideration is in excess of \$5,000.

(b) "Contractor" means a party who enters into a contract with the County.

(c) "Contract Awarding Authority" means the Board of Supervisors or the individual authorized by the Board of Supervisors to enter into contracts on behalf of the County.

(d) "Domestic partner" means any person who is registered as a domestic partner with the Secretary of State, State of California registry or the registry of the state in which the employee is a resident.

(e) "Employee benefits" means the provision of any benefit other than pension and retirement benefits provided to spouses of employees or provided to an employee on account of the employee's having a spouse, including but not limited to bereavement leave; disability, life, and other types of insurance; family medical leave; health benefits; membership or membership discounts; moving expenses; vacation; travel benefits; and any other benefits given to employees, provided that it does not include benefits to the extent that the application of the requirements of this chapter to such benefits may be preempted by federal or state law. (Ord. 4026, 02/13/01)

2.93.020 Discrimination in the provision of benefits prohibited.

(a) No contractor on a County contract shall discriminate in the provision of employee benefits between an employee with a domestic partner and an employee with a spouse, subject to the following conditions:

(1) In the event that the contractor's actual cost of providing a particular benefit for the domestic partner of an employee exceeds that of providing it for the spouse of an employee, or the contractor's actual cost of providing a particular benefit to the spouse of an employee exceeds that of providing it for the domestic partner of an employee, the contractor shall not be deemed to discriminate in the provision of employee benefits if the contractor conditions providing such benefit upon the employee's agreement to pay the excess costs.

(2) The contractor shall not be deemed to discriminate in the provision of employee benefits if, despite taking reasonable measures to do so, the

Enclosure 3. Equal Benefits program Standard

contractor is unable to extend a particular employee benefit to domestic partners, so long as the contractor provides the employee with a cash payment equal to the contractor's cost of providing the benefit to an employee's spouse.

(b) The Board of Supervisors may waive the requirements of this chapter when it determines that it is in the best interests of the County. The County Manager may waive the requirements of this chapter for contracts not needing the approval of the Board of Supervisors where waiver would be in the best interests of the County for such reasons as follows:

- (1) Award of a contract or amendment is necessary to respond to an emergency;
- (2) The contractor is a sole source;
- (3) No complaint contractors are capable of providing goods or services that respond to the County's requirements;
- (4) The requirements are inconsistent with a grant, subvention or agreement with a public agency;
- (5) The County is purchasing through a cooperative or joint purchasing agreement.

(c) Contractors should submit requests for waivers of the terms of this chapter to the Contract Awarding Authority for that contract, or in the case of contracts approved by the Board, the County Manager.

(d) The Contract Awarding Authority, or in the case of contracts approved by the Board, the County Manager, may reject an entity's bid or proposals, or terminate a contract, if the Contract Awarding Authority determines that the entity was set up, or is being used, for the purpose of evading the intent of this chapter.

(e) No Contract Awarding Authority shall execute a contract with a contractor unless such contractor has agreed that the contractor will not discriminate in the provision of employee benefits as provided for in this chapter. (Ord. 4026, 02/13/01)

2.93.030 Application of chapter.

The requirements of this chapter shall only apply to those portions of a contractor's operations that occur (a) within the County; (B) on real property outside of the County if the property is owned by the County or if the County has a right to occupy the property, and if the contractor's presence at that location is connected to a contract with the County; and (c) elsewhere in the United States where work related to a County contract is being performed. The requirements of this chapter shall not apply to subcontracts or subcontractors of any contract or contractor. (Ord. 4026, 02/13/01)

2.93.040 Powers and duties of the County Manager.

The County Manager's office shall have the authority to:

- (a) Adopt rules and regulations, in accordance with this chapter and the Ordinance Code of the County of San Mateo, establishing standards and procedures for effectively carrying out this chapter;
- (b) Receive notification from employees of contractors regarding violations of this chapter;

Enclosure 3. Equal Benefits program Standard

(c) Determine and recommend to the Board of Supervisors for final decision the imposition of appropriate sanctions for violation of this chapter by contractors including, but not limited to:

(1) Disqualification of the contractor from bidding on or being awarded a County contract for a period of up to 5 years, and

(2) Contractual remedies, including, but not limited to termination of contract,

(3) Liquidated damages in the amount of \$2,500;

(d) Examine contractors' benefit programs covered by this chapter;

(e) Impose other appropriate contractual and civil remedies and sanctions for violations of this chapter;

(f) Allow for remedial action after a finding of noncompliance, as specified by rule;

(g) Perform such other duties as may be required or which are necessary to implement the purposes of this chapter. (Ord. 4026, 02/13/01)

2.93.050 Date of application.

The provisions of this chapter shall apply to any contract awarded or amended on or after July 01, 2001, provided that if the contractor is then signatory to a collective bargaining agreement, this chapter shall only apply to any contract with that contractor which is awarded or amended after the effective date of the next collective bargaining agreement. (Ord. 4026, 02/13/01)

Enclosure 3. Equal Benefits program Standard

COUNTY OF SAN MATEO

Equal Benefits Compliance Declaration Form

I Vendor Identification

Name of Contractor: _____

Contact Person: _____

Address: _____

Phone Number: _____ Fax Number: _____

II Employees

Does the Contractor have any employees? ___ Yes ___ No

Does the Contractor provide benefits to spouses of employees? ___ Yes ___ No

If the answer to one or both of the above is no, please skip to Section IV.

III Equal Benefits Compliance (Check one)

- Yes, the Contractor complies by offering equal benefits, as defined by Chapter 2.93, to its employees with spouses and its employees with domestic partners.
 - Yes, the Contractor complies by offering a cash equivalent payment to eligible employees in lieu of equal benefits.
 - No, the Contractor does not comply.
 - The Contractor is under a collective bargaining agreement which began on _____ (date) and expires on _____ (date).
-

IV Declaration

I declare under penalty of perjury under the laws of the State of California that the foregoing is true and correct, and that I am authorized to bind this entity contractually.

Executed this _____ day of _____, 2005 at _____, _____.
(City) (State)

Signature

Name (Please Print)

Title



SAN MATEO COUNTY FREQUENTLY ASKED QUESTIONS EQUAL BENEFITS ORDINANCE

WHO is affected by this law?

Contractors: Any contractor entering into or amending an existing Agreement with San Mateo County after July 1, 2001 for public works, consulting, or other services, or for the purchase of supplies, material, or equipment in excess of \$5,000 must offer equal benefits to their employees.

Subcontractors: Subcontractors are not required to comply with this Ordinance. (Note: Per 2.93.020 (b) 6. A contract may be terminated if the Contract Awarding Authority determines that the entity was set up, or is being used, for the purpose of evading the intent of this Chapter.

WHO is the "Contracting Awarding Authority"?

The Contract Awarding Authority is the San Mateo County Board of Supervisors or the individual authorized by the Board of Supervisors to enter into contracts on behalf of the County.

WHAT benefits are included?

The law applies to all benefits, other than pension benefits, that a contractor provides to employees because they have a spouse (e.g., sick leave to care for a spouse) and all benefits offered directly to such spouses (e.g. medical insurance). The law requires that an equivalent benefits package be offered to employees with domestic partners. In some circumstances, equivalent but different (e.g. cash) benefits may be substituted.

Benefits include but are not limited to: bereavement leave; disability; life and other types of insurance; family medical leave; health benefits; membership or membership discounts; moving expenses; vacation; travel benefits; and any other benefits given to employees.

WHAT is a domestic partner?

A domestic partner means any person who is registered as a domestic partner with the Secretary of State, State of California registry, or the registry of the state in which the employee is a resident.

A domestic partner shares a common residence, is jointly responsible for each other's basic living expenses, is not married or a member of another domestic partnership, is not related by blood in a way that would prevent us from being married to each other in this state, is over 18 years of age, and is capable of consenting to a domestic partnership.

WHAT if a contractor is unable to offer benefits equally?

A contractor can comply if it pays a cash equivalent equal to the contractor's cost of providing the benefit to an employee's spouse.

If the contractor's actual cost of providing a benefit for a domestic partner exceeds the cost of providing the benefit for a spouse, under the ordinance, the employee with the domestic partner may pay the excess cost.

WHAT if a contractor does not comply with the Equal Benefits Ordinance?

If the contractor does not comply the San Mateo County Board of Supervisors can impose sanctions, including but not limited to:

Disqualification of the contractor from bidding on or being awarded a County contract for a period of up to 5 years; and

Contractual remedies, including, but not limited to termination of contract;

Liquidated damages in the amount of \$2,500.

WHAT is the jurisdiction of the Ordinance in terms of the location of a contractor's operations?

The Ordinance applies to those portions of a Contractor's operations that occur within the County; on real property outside the County if the property is owned by the County or the County has the right to occupy the property, and if the contractor's presence at that location is connected to a contract with the County; and elsewhere in the United States where work related to a County Contract is being performed.

WHEN does compliance begin if the contractor has a collective bargaining agreement?

If the contract is awarded or amended after July 1, 2001, and the contractor is under a collective bargaining agreement, the Equal Benefits Ordinance will apply to any contract awarded or amended after the effective date of the next collective bargaining agreement.

WHEN may the requirements of the Equal Benefits Ordinance be waived?

The Board of Supervisors may waive the requirements of this Ordinance when it determines that it is in the best interests of the County. The County Manager may waive the requirements for contracts not needing the approval of the Board of Supervisors where the waiver would be in the best interest of the County for such reasons as, but not limited to:

The award of a Contract or amendment is necessary to respond to an emergency.

The contractor is the sole source.

No compliant contractors are capable of providing goods or services that respond to the County's requirements

The requirements are inconsistent with a grant, subvention or agreement with a public Agency.

The County is purchasing through a cooperative or joint purchasing agreement.

WHERE do I file a complaint if my employer does not comply with the Equal Benefits Ordinance?

If you wish to file a complaint against your employer, contact: County Counsel, 400 County Center 3rd. Floor, Redwood City, CA . 650-363-4250.



SAN MATEO COUNTY EQUAL BENEFITS PROGRAM FREQUENTLY ASKED QUESTIONS

On February 13, 2001, the Board of Supervisors of San Mateo County passed Ordinance NO. 04026, an Ordinance adding Chapter 2.93 to the San Mateo Ordinance Code to provide for non-discrimination by County contractors in the provision of employee benefits. Employee benefits routinely comprise a significant proportion of total employee compensation, and discrimination in the provision of employee benefits between employees with domestic partners and employees with spouses results in unequal pay. This Ordinance mandates that contractors provide to employees with domestic partners benefits equal to those provided to employees with spouses.

Enclosure 4. Chapters 2.84 and 2.85 of the Ordinance Code of San Mateo County

The following lists the text of Chapters 2.84 and 2.85 of the Ordinance Code of San Mateo County (as of March 2012), available on-line at <http://library.municode.com/index.aspx?clientId=16029> . Anyone responding to the Request for Proposals is provided is advised to check on-line for updates to the Ordinance Code. It is a contractor or responding party's obligation to obtain the current version of these ordinances.

Chapter 2.84 - CONTRACTS-EQUAL BENEFITS

Supervisors to enter into contracts on behalf of the County.

Sections:

2.84.010 - Definitions.

2.84.020 - Discrimination in the provision of benefits prohibited.

2.84.030 - Application of chapter.

2.84.040 - Powers and duties of the County Manager.

2.84.050 - Date of application.

2.84.010 - Definitions.

For the purposes of this chapter:

(a) "Contract" means a legal agreement between the County and a contractor for public works, consulting, or other services, or for purchase of supplies, material or equipment for which the consideration is in excess of \$5,000.

(b) "Contractor" means a party who enters into a contract with the County.

(c) "Contract Awarding Authority" means the Board of Supervisors or the individual authorized by the Board of

(d) "Domestic partner" means any person who is registered as a domestic partner with the Secretary of State, State of California registry or the registry of the state in which the employee is a resident.

(e) "Employee benefits" means the provision of any benefit other than pension and retirement benefits provided to spouses of employees or provided to an employee on account of the employee's having a spouse, including but not limited to bereavement leave; disability, life, and other types of insurance; family medical leave; health benefits; membership or membership discounts; moving expenses; vacation; travel benefits; and any other benefits given to employees, provided that it does not include benefits to the extent that the application of the requirements of this chapter to such benefits may be preempted by federal or state law.

(Ord. 4324, 08/15/06)

2.84.020 - Discrimination in the provision of benefits prohibited.

(a) No contractor on a County contract shall discriminate in the provision of employee benefits between an employee with a domestic partner and

an employee with a spouse, subject to the following conditions:

1. In the event that the contractor's actual cost of providing a particular benefit for the domestic partner of an employee exceeds that of providing it for the spouse of an employee, or the contractor's actual cost of providing a particular benefit to the spouse of an employee exceeds that of providing it for the domestic partner of an employee, the contractor shall not be deemed to discriminate in the provision of employee benefits if the contractor conditions providing such benefit upon the employee's agreement to pay the excess costs.
2. The contractor shall not be deemed to discriminate in the provision of employee benefits if, despite taking reasonable measures to do so, the contractor is unable to extend a particular employee benefit to domestic partners, so long as the contractor provides the employee with a cash payment equal to the contractor's cost of providing the benefit to an employee's spouse.

(b) The Board of Supervisors may waive the requirements of this chapter when it determines that it is in the best interests of the County. The County Manager may waive the requirements of this chapter for contracts not needing the approval of the Board of Supervisors where waiver would be in the best interests of the County for such reasons as follows:

1. Award of a contract or amendment is necessary to respond to an emergency;
2. The contractor is a sole source;

3. No compliant contractors are capable of providing goods or services that respond to the County's requirements;
4. The requirements are inconsistent with a grant, subvention or agreement with a public agency;
5. The County is purchasing through a cooperative or joint purchasing agreement.

(c) Contractors should submit requests for waivers of the terms of this chapter to the Contract Awarding Authority for that contract, or in the case of contracts approved by the Board, the County Manager.

(d) The Contract Awarding Authority, or in the case of contracts approved by the Board, the County Manager, may reject an entity's bid or proposals, or terminate a contract, if the Contract Awarding Authority determines that the entity was set up, or is being used, for the purpose of evading the intent of this chapter.

(e) No Contract Awarding Authority shall execute a contract with a contractor unless such contractor has agreed that the contractor will not discriminate in the provision of employee benefits as provided for in this chapter.

(Ord. 4324, 08/15/06)

2.84.030 - Application of chapter.

The requirements of this chapter shall only apply to those portions of a contractor's operations that occur: (a) within the County; (b) on real property outside of the County if the property is owned by the County or if the County has a right to occupy the property, and if the contractor's presence at that location is connected to a

contract with the County; and (c) elsewhere in the United States where work related to a County contract is being performed. The requirements of this chapter shall not apply to subcontracts or subcontractors of any contract or contractor.

(Ord. 4324, 08/15/06)

2.84.040 - Powers and duties of the County Manager.

The County Manager's office shall have the authority to:

- (a) Adopt rules and regulations, in accordance with this chapter and the Ordinance Code of the County of San Mateo, establishing standards and procedures for effectively carrying out this chapter;
- (b) Receive notification from employees of contractors regarding violations of this chapter;
- (c) Determine and recommend to the Board of Supervisors for final decision the imposition of appropriate sanctions for violation of this chapter by contractors including, but not limited to:
 - 1. Disqualification of the contractor from bidding on or being awarded a County contract for a period of up to 5 years,
 - 2. Contractual remedies, including, but not limited to termination of contract, and
 - 3. Liquidated damages in the amount of \$2,500;
- (d) Examine contractors' benefit programs covered by this chapter;

- (e) Impose other appropriate contractual and civil remedies and sanctions for violations of this chapter;
- (f) Allow for remedial action after a finding of noncompliance, as specified by rule;
- (g) Perform such other duties as may be required or which are necessary to implement the purposes of this chapter.

(Ord. 4324, 08/15/06)

2.84.050 - Date of application.

The provisions of this chapter shall apply to any contract awarded or amended on or after July 1, 2001, provided that if the contractor is then signatory to a collective bargaining agreement, this chapter shall only apply to any contract with that contractor which is awarded or amended after the effective date of the next collective bargaining agreement.

(Ord. 4324, 08/15/06)

**Chapter 2.85 - CONTRACTOR
EMPLOYEE JURY SERVICE**

Sections:

2.85.010 - Definitions.

**2.85.020 - Contractor jury
service policy.**

**2.85.030 - Powers and duties of
the County Manager.**

2.85.040 - Date of application.

2.85.010 - Definitions.

For the purposes of this chapter:

- (a) "Contract" means a legal agreement between the County and a contractor for public works, consulting, or other services, or for purchase of supplies, material or equipment.
- (b) "Contractor" means a party who enters into a contract with the County for which the contractor receives consideration of \$100,000 or more.
- (c) "Contract Authority" means the Board of Supervisors or the head of the department or agency presenting the proposed contract to the Board of Supervisors.
- (d) "Employee" means any California resident who is a full-time employee of a contractor under the laws of California.
- (e) "Full time" means 40 hours or more worked per week, or a lesser number of hours if: (1) the lesser number is a recognized industry standard as determined by the County Manager, or (2) the contractor has a long standing

practice that defines the lesser number of hours as full time.

(Ord. 4324, 08/15/06)

**2.85.020 - Contractor jury service
policy.**

- (a) A contractor shall have and adhere to a written policy that provides that its employees shall receive from the contractor, on an annual basis, no less than five days of regular pay for actual jury service in San Mateo County. The policy may provide that employees deposit any fees received for such jury service with the contractor or that the contractor deduct from the employees' regular pay the fees received for jury service.
- (b) At the time of seeking a contract, a contractor shall certify to the County that it has and adheres to a policy consistent with this chapter or will have and adhere to such a policy prior to award of the contract.
- (c) The Board of Supervisors may waive the requirements of this chapter when it determines that it is in the best interests of the County for such reasons as follows:
 - 1. Award of a contract or amendment is necessary to respond to an emergency;
 - 2. The contractor is a sole source;
 - 3. No compliant contractors are capable of providing goods or services that respond to the County's requirements;
 - 4. The requirements are inconsistent with a grant, subvention or agreement with a public agency;

5. The County is purchasing through a cooperative or joint purchasing agreement.

(d) Contractors should submit requests for waivers of the terms of this chapter to the Contract Authority or the County Manager.

(e) The County Manager may reject a contractor's bid or proposal, or terminate a contract, if he determines that the contractor is in violation of the requirements of this chapter or was established, or is being used, for the purpose of evading the intent of this chapter.

(f) No contract shall be executed with a contractor unless such contractor is in compliance with this chapter.

(Ord. 4324, 08/15/06)

2.85.030 - Powers and duties of the County Manager.

The County Manager's office shall have the authority to:

(a) Adopt rules and regulations, in accordance with this chapter and the Ordinance Code of the County of San Mateo, establishing standards and procedures for effectively carrying out this chapter;

(b) Receive notification from employees of contractors regarding violations of this chapter;

(c) Determine and recommend to the Board of Supervisors for final decision the imposition of appropriate sanctions for violation of this chapter by contractors including, but not limited to:

1. Disqualification of the contractor from bidding on or being awarded a County contract for a period of up to 5 years, and

2. Contractual remedies, including, but not limited to termination of contract.

(d) Impose other appropriate contractual sanctions for violations of this chapter;

(e) Allow for remedial action after a finding of noncompliance;

(f) Perform such other duties as may be required or which are necessary to implement the purposes of this chapter.

(Ord. 4324, 08/15/06)

2.85.040 - Date of application.

The provisions of this chapter shall apply to any contract awarded or amended on or after September 1, 2005, provided that if the contractor is then signatory to a collective bargaining agreement, this chapter shall only apply to any contract with that contractor which is awarded or amended after the effective date of the next collective bargaining agreement.

(Ord. 4324, 08/15/06)

Enclosure 5. Consultant Evaluation Rating Form

County of San Mateo Department of Public Works
 Project Development and Design
Alpine Road Corridor Study Project

RATER INITIALS: _____

EVALUATION FORM FOR: _____
(consultant name)

DATE: _____

INSTRUCTIONS: Provide comments and scores in the spaces provided. Use the numbers 1-10 to rate the compliance with the criteria.
 1-2 = poor or missing information, 3-4 = unsatisfactory, 5-6 = adequate, 7-8 = good, 9-10 = exceptional.

EVALUATION CRITERIA	COMMENTS	POINTS:
<p>Comparable Firm Experience Does the firm have a significant amount of experience in: 1) Completing projects of similar scope and size? 2) Contracting with local government agencies? 3) Working with regulatory agencies?</p>		
<p>Quality of Firm Does the firm employ creative strategies for meeting clients' goals and objectives? Does the proposal thoroughly address the requirements stated in the RFP? Does the proposal include methodologies for completing the tasks listed in the RFP?</p>		
<p>Quality of Experience of Key Staff Do the Key Staff possess qualifications and experience in the areas of: 1) Environmental Analysis/Permitting? Regulatory Agency Requirements? 2) Environmental Study and Document Preparation? 3) Certifications, licenses?</p>		
<p>Project Management Does the consultant demonstrate a well-organized project management and work team with clear descriptions of assignments? (Includes sub-</p>		

Enclosure 5. Consultant Evaluation Rating Form

County of San Mateo Department of Public Works
 Project Development and Design
Alpine Road Corridor Study Project

RATER INITIALS: _____
 DATE: _____

EVALUATION FORM FOR: _____
(consultant name)

INSTRUCTIONS: Provide comments and scores in the spaces provided. Use the numbers 1-10 to rate the compliance with the criteria.
 1-2 = poor or missing information, 3-4 = unsatisfactory, 5-6 = adequate, 7-8 = good, 9-10 = exceptional.

EVALUATION CRITERIA	COMMENTS	POINTS:
contractors.)		
Budget/Financial Controls What methods are used to ensure that project will be delivered on time and within budget?		
Schedules/Timing Does the proposal indicate flexibility in meeting client's scheduling needs? Are key staff dedicated to County, or substituted by firm? Will firm location influence schedules?		
Overall Quality of Proposal		

Enclosure 5. Consultant Evaluation Rating Form

County of San Mateo Department of Public Works
 Project Development and Design
Alpine Road Corridor Study Project

RATER INITIALS: _____

EVALUATION FORM FOR: _____
(consultant name)

DATE: _____

INSTRUCTIONS: Provide comments and scores in the spaces provided. Use the numbers 1-10 to rate the compliance with the criteria.
 1-2 = poor or missing information, 3-4 = unsatisfactory, 5-6 = adequate, 7-8 = good, 9-10 = exceptional.

EVALUATION CRITERIA	COMMENTS	POINTS:
Location of Firm Is the prime consultant located in San Mateo County? Are the subconsultants located in San Mateo County?		
	Total:	

Enclosure 6. Traffic Study Requirements

Objective: Optimum flow of vehicles, safe and efficient bicycle facilities, safe pedestrian facilities with frequent and safe crossings while minimizing the overall amount of delay through the Alpine Road corridor.

Study Area: Alpine Road from Junipero Serra Boulevard to County Limits South of La Cuesta Drive.

Deliverables: Provide a minimum of 4 alternative options to meet project objective. Any new access, signalization, and property acquisition may be considered in defining the proposed options.

All options shall be in compliance with all applicable local standards included, but not limited to: San Mateo County, Caltrans, City of Menlo Park, Town of Portola Valley, and California Public Utilities Commission.

Traffic Scenarios to be Studied for Each Alternative:

1. Existing Conditions
2. Base Line Conditions: existing volumes with proposed configuration
3. Background Conditions: project completion year (2020) volumes with existing lane configuration
4. Project Condition: project completion year (2020) volumes with proposed configuration
5. Future Condition: 30 year horizon year (2050) condition with future volumes and proposed configuration

Study Times:

All scenarios are to be analyzed under AM, PM and School Peak hours of an average weekday.

Volumes:

All new 2015 volumes must be collected for all study intersections for vehicles, pedestrians and bicyclists.

Output Data:

Consultant is not limited in the use of traffic modeling software. However, traffic simulation model outputs are required to be in Synchro Suite.

Study Intersections:

1. Alpine Rd and Junipero Serra Boulevard
2. Alpine Rd and Stowe Ln
3. Alpine Rd and Wildwood Ln

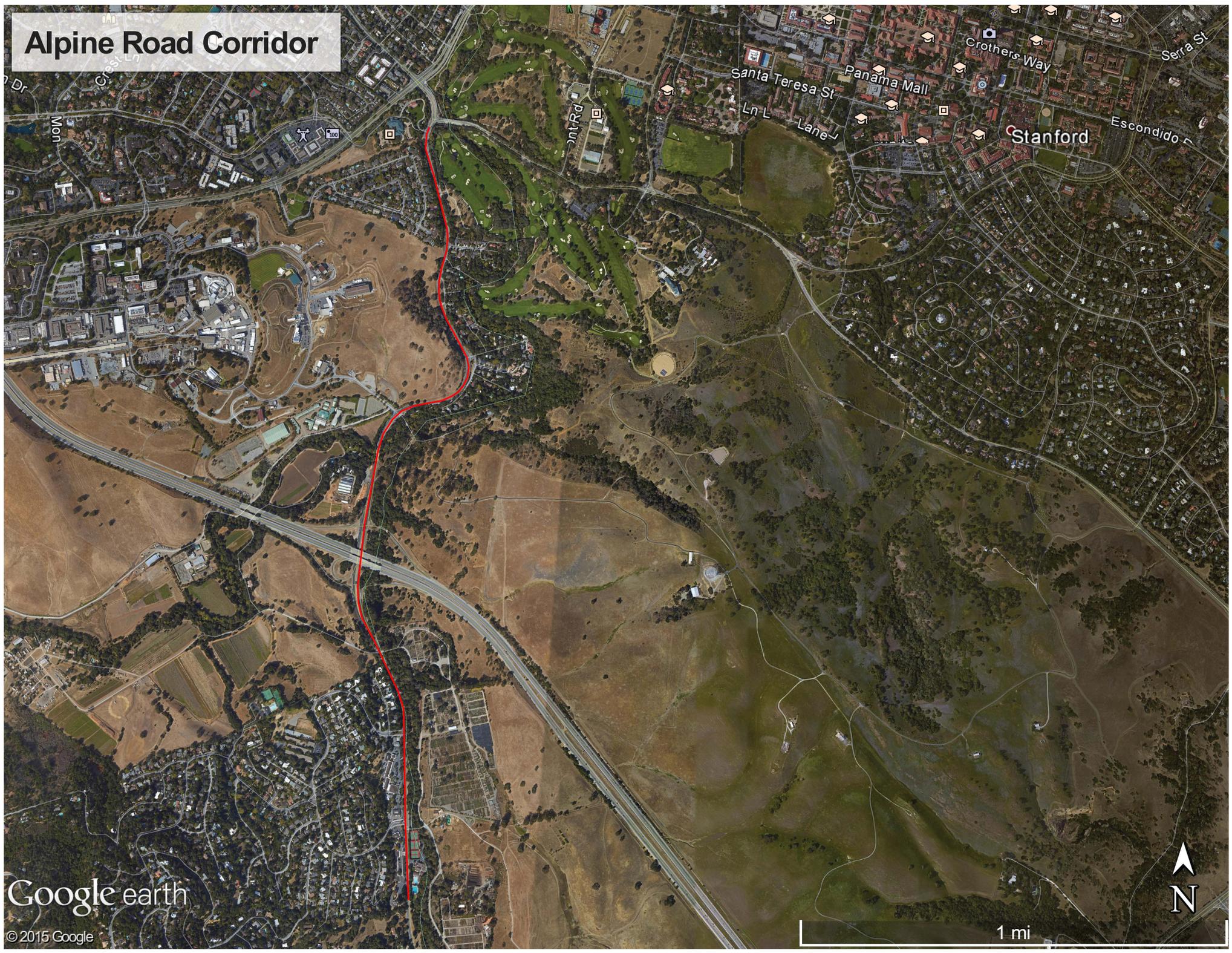
Enclosure 6. Traffic Study Requirements

4. Alpine Rd and Bishop Ln
5. Alpine Rd and Piers Ln/Alpine Access Rd
6. Alpine Rd and NB I-280 Ramps
7. Alpine Rd and SB I-280 Ramps
8. Alpine Rd and San Franciscquito Creek Rd/Golf Ln
9. Alpine Rd and La Cuesta Drive
10. Alpine Rd and La Mesa Drive
11. I-280 ramps at Sand Hill Rd
12. I-280 ramps at Page Mill Rd

Project Deliverables:

1. Traffic Analysis Report as outlined in the RFP
2. 4 conceptual corridor design options
3. Report which provides a detailed discussion of each corridor design
4. Cost Estimate for Each Option

Alpine Road Corridor



Santa Teresa St
Panama Mall
Lane
Crothers Way
Serra St
Escondido

Stanford

Google earth

© 2015 Google

1 mi

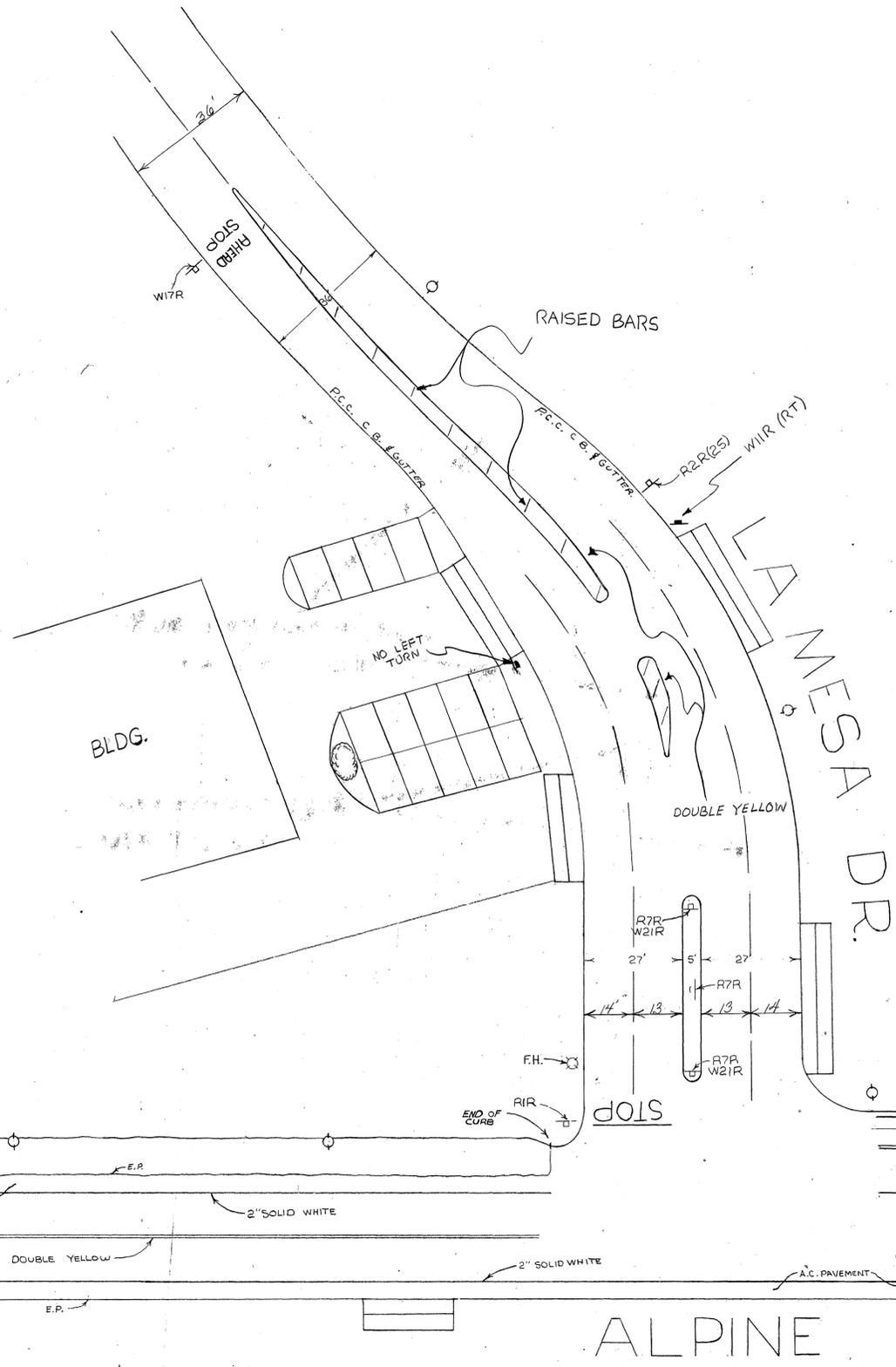


Enclosure 8. Public Comments

PRIORITY	AREA OF CONCERN						COMMENTS
	CONGEST	ACCESS	PED	BIKE	SPEED	OTHER	
1				x			The recent work on Bike Lanes at RT 280 is a big improvement! But I am concerned that some proposed modifications at Alpine/RT 280 could significantly decrease Bike Safety negating the recent improvements
2				x			The parking for Stanford Dish NEEOS to be improved. Cars now park blocking the Alpine Trail. County should work with Stanford to improve Parking Infrastructure
1						x	My concern is people running the Stop sign at Alpine/280. I think people run it in both directions (East and West) I am OK with a traffic light there, in fact would help traffic. But if it has to be a 4-way stop then maybe the steady green bike line is making it worse for people unfamiliar with the area and it should be dotted instead of solid then the intersection rumble strips East and West, and larger Stop signs might help.
2					x	x	SIGN CLUTTER , on Alpine Rd. I think there are too many signs and it's distracting for drivers. Also when does the speed limit go up to 45 and back to 35? It should be 35 the whole way, cars go way to fast. I wish CHP ticked more speeders and why don't texters and people talking on their phone get pulled over more? Please re evaluate each sign and whether it is 100% necessary.
2			x				I wish there was a crosswalk on Alpine Rd. between the Ladera Shopping Center and the Sport Club. It is very difficult to cross the street there. Also I think the turn off to La Cuesta is confusing with the Shell sign, seems very dangerous to me. I think a traffic signal is needed there
1						x	SAFETY Due to congestion, erratic timing of congestion, speed, mix of bikes/people/vehicles and behaviors from all this stress
2		x					At certain hours, cannot exit from Bishop Ln. onto Alpine Rd. heading for 280. The wait lane should be an option, but using it almost always sends 280-bound Alpine traffic into the Bike Lane (they don't expect this maneuver from Bishop Ln cars)
1						x	SAFETY - Stop signs difficult to see and often ignored at Alpine Rd/280 interchange. One particular concern is the right lane on Alpine heading West into PV at the 280 north on ramp, both my husband and I were almost broadsided by drivers speeding through the intersection and not stopping at the Stop sign as we turn into the 280 North on ramp. Just last month I witnessed a driver who did not stop in the same right side lane. This happens frequently and will lead to a severe accident and death. There is a significant amount of signage in a small area and Stop sign is difficult to see
1						x	SAFETY - I have personally seen multiple cars blow through the stop sign on Alpine Rd. coming from the Stanford side towards PV. Some drivers just don't see it, particularly in the right Lane. It's the biggest hazard in our entire neighborhood and a bikers recently died at the intersection. It's a ticking time bomb.
2	x						Alpine Rd. backs up badly in the morning heading from PV towards Stanford and in the afternoon in the reverse It's acute during rush hour. It's the worst stretch of road in the area. The stop sign struggle under the volume of traffic, it's bumper-to-bumper the entire way
1	x		x	x			Most concern with access at Alpine and La Mesa/La Cuesta. There is a lot of traffic volume there and speeds are great. We need lighted crosswalks, but the county has repeatedly rejected the communities request to install these.
1		x					Difficult to pull into Alpine Rd. in morning hours. Too much traffic!
1		x					Difficult to pull into Alpine Rd. in morning hours. Too much traffic!
1						x	Absolutely NO traffic signals on Alpine Rd. Signals will only make the situation worse. The issue is poor driving, specially distracted drivers
1						x	COLLISIONS - near misses, especially going East and turning left (North-SF) at stop sign (turning from the left turn bay)
1						x	Vehicles using the third lane or not stopping when West/South bound on Alpine Rd at the Stop sign at 280. Cars make the third lane in the green striping area (Bike Lane). This also affects cars in the left turn bay North bound/East at Alpine Rd. trying to get onto the 280 North bound ramp.

Enclosure 8. Public Comments

PRIORITY	AREA OF CONCERN						COMMENTS
	CONGEST	ACCESS	PED	BIKE	SPEED	OTHER	
1						x	Highest concern the number of cars that (for some unknown reason) run the stop sign at 280 and Alpine Rd. This is a very scary intersection
1		x					Can't safely get onto Alpine Rd. (Left or Right) due to high speed traffic on Alpine and lack of traffic breaks
2		x					Can't get onto Alpine Rd. from Stowe Lane
1						x	SAFETY - access is a huge issue because of the speed people travel on Alpine Rd. Getting in and out of SWA is dangerous. This impact not only SWA residents but also biker, walkers etc.. I think what is really needed is another exit off of 280 that goes into Stanford
2						x	Please the small suggestions now and don't wait for a study... the little suggestions of rumble streets etc.. Could save lives.
1		x					SWA residents cannot access Alpine Rd. Of equal concern is SPEED traffic is either gridlocked particularly from 6AM -10:30 AM (heading to Stanford) and 3:30 - 6 PM (heading to PV). Something needs to be negotiated with (1) Stanford and the Hospital to have shuttles/bus service and (2) Santa Clara to improve the Page Mill access. Also there needs to be a crosswalk at the Alpine/Junipero Serra intersection. Pedestrians coming from Stanford have 0 way to cross to W side of Alpine. Cyclist coming from Stanford U have 0 way to cross Alpine to get to homes in SWA. The traffic congestion between Alpine/Sand Hill causes high speed cyclist to use the path under the intersection (M P Jurisdiction) which is extremely dangerous especially for riders coming home from La Entrada. The city needs to get together with the city. It would be nice to have a pedestrian way over the fire lane at the Buck Estate that runs between Alpine and Sand Hill
2						x	Need to limit size and cargo of trucks, the maps did not include my driveway at 2455 Alpine (4 cars + visitors); 2443 driveway has 2 cars + visitors; 2465/67/69 has 4 residences; multiple cars; Wildwood Lane has several homes and many cars. All of this was omitted from maps
1	x						Unfettered development in Stanford, Menlo Park and Portola Valley causing massive extra traffic. Implement all the small suggestions now. Not wait for a study
2	x				x		Traffic congestion (280/Sand Hill/Alpine/Page Mill and El Camino). Page Mill should be a roundabout (too much traffic comes thru P V to avoid Page Mill Rd). Larger stop signs at all 280/Alpine Rd. intersections + reduction of excess signs. Rumble strips at all 280/Alpine Rd. Phased approach to reduce speed on Alpine into Ladera. 1. Add white stanchions in center lane at entrance curve. 2. Add pedestrian crossing signs at La Mesa and La Cuesta 3. Add radar-speed sign at curve and entrance to Ladera 4. Add lighted crosswalks to La Mesa and La Cuesta with pedestrian button. * NO traffic signals at La Cuesta/La Mesa. Solve the traffic light at Junipero Serra and Stanford Campus Drive. (AM traffic backed up onto 280!!!)
1			x	x	x		Traffic through Ladera, between La Cuesta and La Mesa, travels way too fast. It's the speed limit rarely enforced. Safe pedestrian crossings are much needed. Traffic signals with on-demand buttons for pedestrians are the best option given the volume of traffic. More CHP speed at crosswalk enforcement would be appreciated
2						x	I cannot possibly circle one as these are all huge concerns and related to each other. 1. Put physical "Rumble Strips" and green paint in hot spots like bike lanes near intersection with 280 2. Reduce speed! density has changed 3. Hold Stanford responsible for solving traffic congestion issues
1		x	x	x	x	x	SLOW DOWN - 1. New stop signs and/or signals 2. Space between car/bikes to be established. Corrugated strip?? 3. Must be courteous in walking - speed limit enforcement needed 4. To Alpine from Stowe - tough - would a signal help - yes
1	x	x	x	x	x	x	SAFETY - All of the above affect us, as we enter/exit Stowe Ln and after streets along Alpine Rd. Everyone of the above was discussed in detail during the prior trial plans Stanford and MP City housing element meetings. Currently because of heavy traffic we're fortunate if an oncoming driver will slow to let us enter/exit. Many years ago a resident suggested Stanford have a road through their own land, can that idea be pushed?
1	x	x	x	x	x	x	All above at the complex intersection at La Cuesta Dr and Alpine Rd
1	x						Piers Ln and Alpine Rd intersection is impossible. Need some change. Stop light? Stop sign? Left turn from Piers Ln to Alpine needs turn lane on Alpine to cross one lane
1						x	Drivers faking to stop at Alpine/280. We teach our teenagers that in P V "STOP" does not mean stop. We have seen countless cars blow through the Alpine/280 stop. It is shocking that the accident data does not suggest that this is a problem.
1				x			No safe way to cross Alpine - It's darn near deadly. Cars and trucks continue to use the Bike Lane (what 3ft rule?)
2						x	Actually, all of the above. 1. Ability to cross Alpine safely, either by car or bike 2. Traffic impinging on bike lane and even pedestrian walk ways 3. Speed during non-commute hours is far greater than posted 4. Lack of enforcement
1		x					Left turn onto Alpine from Bishop Lane
2	x	x			x	x	One thing not mentioned; egress from SWA in case of emergency. Bike riders should have and use rear view mirrors (then should be a law)
1						x	(A circle near the churches along Portola Rd) This is generic per a number of freeway interchanges: "traffic jumping" getting off the freeway and then back on again (goal: gain a few car lengths). Specific going north: get off at Alpine Rd to get back on, the driver crosses 3 lanes of traffic and they think the car will turn left into PV... Can it be "left turn only" when one exits 280? doubt it ... but crossing is so unexpected and thus dangerous
2						x	Pattern: legal but risky: "traffic jumping" 280; going "north" exit on Alpine Rd ramp. When turn comes (right of way) dash across to on-ramp and re-enter freeway. Concern: going straight across when drivers going toward Ladera will expect that driver to turn left and head toward Ladera
1						x	Have to make sure drivers attention is grabbed (over those GPS or cell phones or iPad) On Alpine Rd P V- M P (for Caltrans: can stop signs be taller as well as larger - to see over trucks)



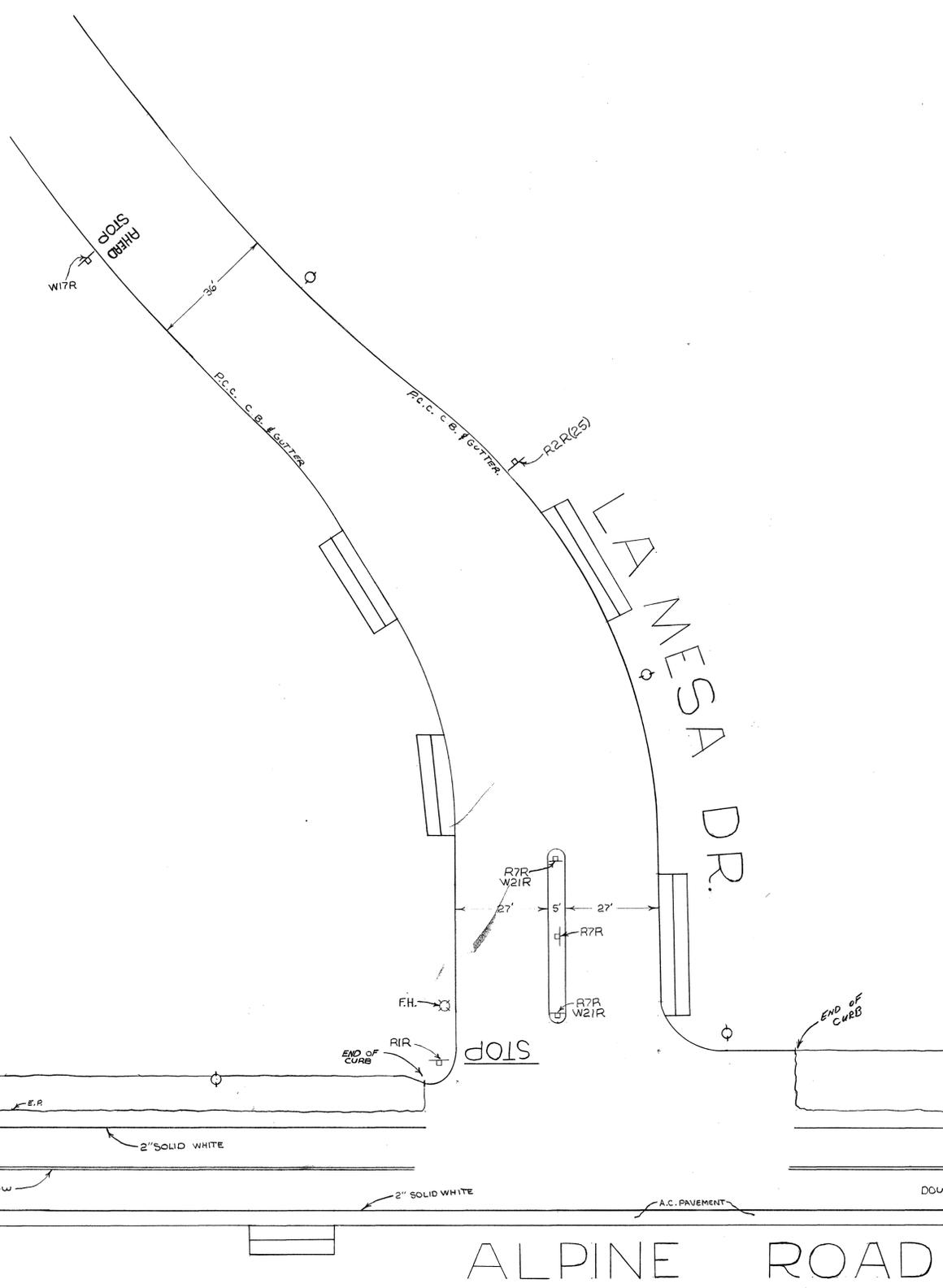
LEGEND

- PROPOSED SIGNS, STRIPING & RAISED BARS
- PROPOSED ASPHALT PAVEMENT



ALPINE ROAD

ALPINE RD. LA MESA DR. CHANNELIZATION			
DRAWN	SCALE	REVISIONS	DATE
M. J. DORNEY	1" = 20'		B-27-68
CHECKED			
E. WEBER			
APPROVED			
E. WEBER			
DATE			
9/27/68			
TITLE			
			NO. 1-2854



DIRT SHOULDER

DIRT SHOULDER

ALPINE ROAD

LA MESA DR.

ALPINE RD. - LA MESA DR. CHANNELIZATION			
DRAWN	SCALE	REVISIONS	DATE
MICHAEL DORNEY	1" = 20'		9-27-68
CHECKED K. WEBER			
APPROVED E. RUDAK			
DATE 9/27/68			
TITLE			

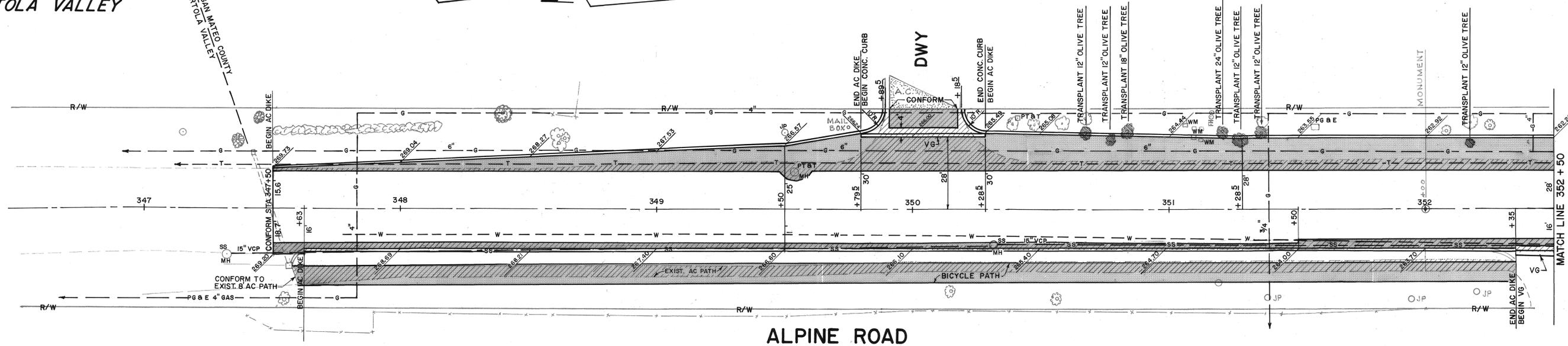
No. 1-2897

DIST.	COUNTY	RTE.	SEC.	SHEET NO.	TOTAL SHEETS
IV	SAN MATEO			2	9

APPROVED:
 DATE JUNE 27, 1980
S.H. Cantwell, Jr.
 S.H. CANTWELL, JR. - DIRECTOR OF PUBLIC WORKS

PORTOLA VALLEY

UNINCORPORATED S.W. 1/4 SECTION 17 T. 11 N. R. 10 E. S. 10 W. M. 10 S. SAN MATEO COUNTY

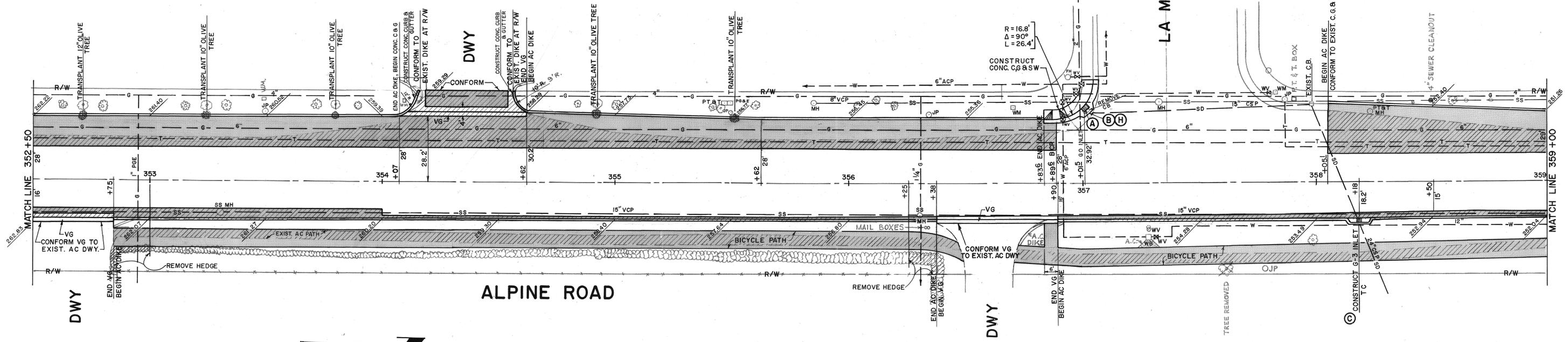


ALPINE ROAD

RECORD DRAWINGS
 RESIDENT ENGINEER *John Spiker*
 DATE Dec. 1982

LADERA SHOPPING CENTER

LA MESA DR.



ALPINE ROAD

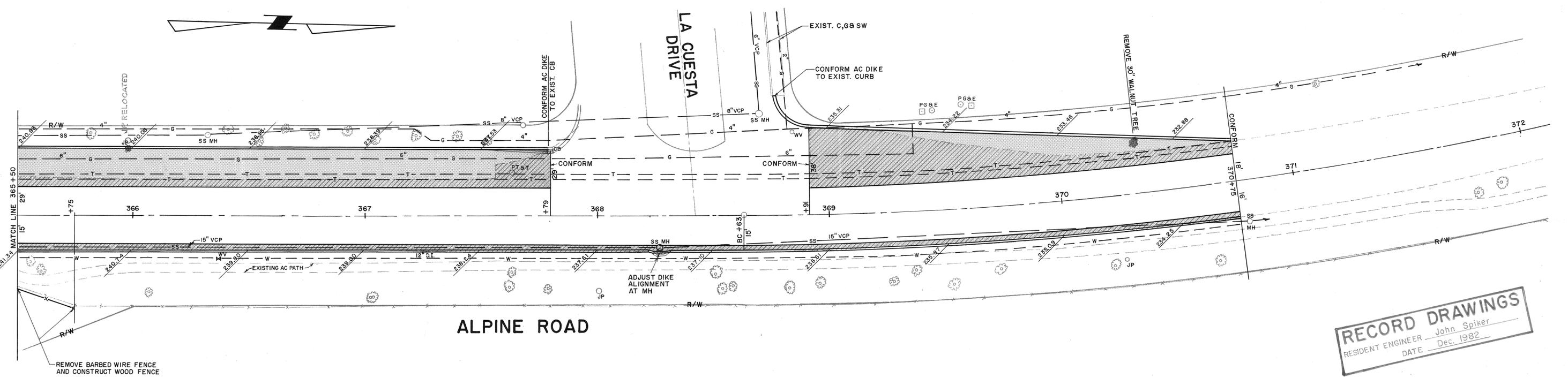
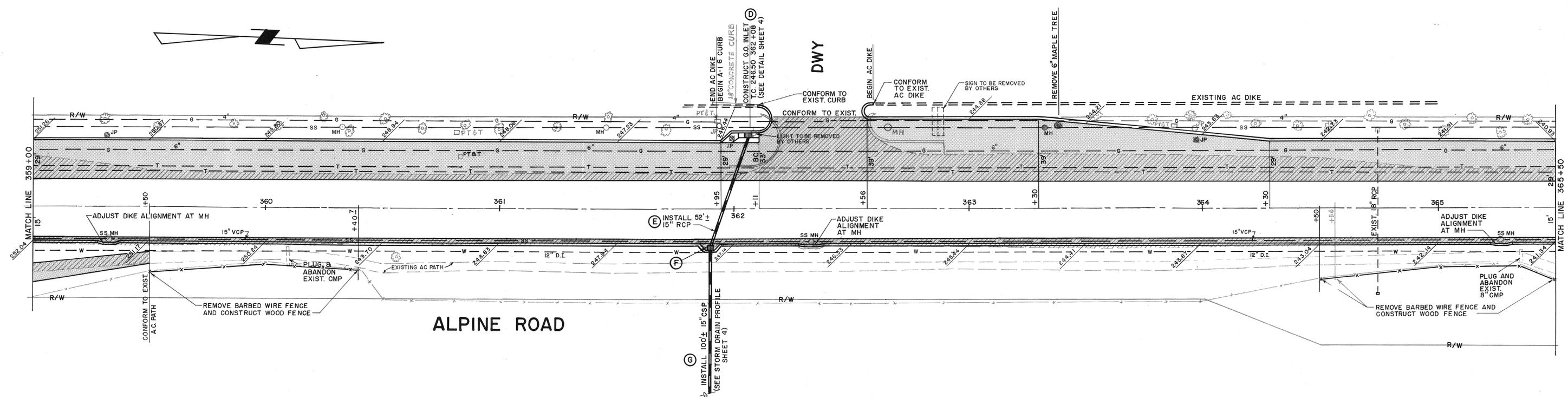
- NOTES:
- ALL OFFSETS TO FACE OF DIKE FROM CENTERLINE
 - FOR DRAINAGE STRUCTURES (A), (B), (C), & (H) SEE LIST ON SHEET 5
 - TRANSPLANTED OLIVE TREES SHALL BE PLACED A MINIMUM OF 5 FT. BEHIND FACE OF DIKE

DRAWN BY ML	ALPINE ROAD	SCALE 1" = 20'
CHECKED BY FDC	LEFT TURN LANES	DATE OCT. 1979
FIELD BOOK 686-B	PLANS - STA. 347+50 TO STA. 359+00	FILE NO. 1/3716
S.H. CANTWELL, JR. - DIRECTOR OF PUBLIC WORKS	SAN MATEO COUNTY	COUNTY GOVERNMENT CENTER REDWOOD CITY, CALIFORNIA

DIST.	COUNTY	RYE.	SEC.	SHEET NO.	TOTAL SHEETS
IV	SAN MATEO			3	9

APPROVED:
 DATE: JUNE 27, 1980
S.H. Cantwell, Jr.
 S.H. CANTWELL, JR. - DIRECTOR OF PUBLIC WORKS

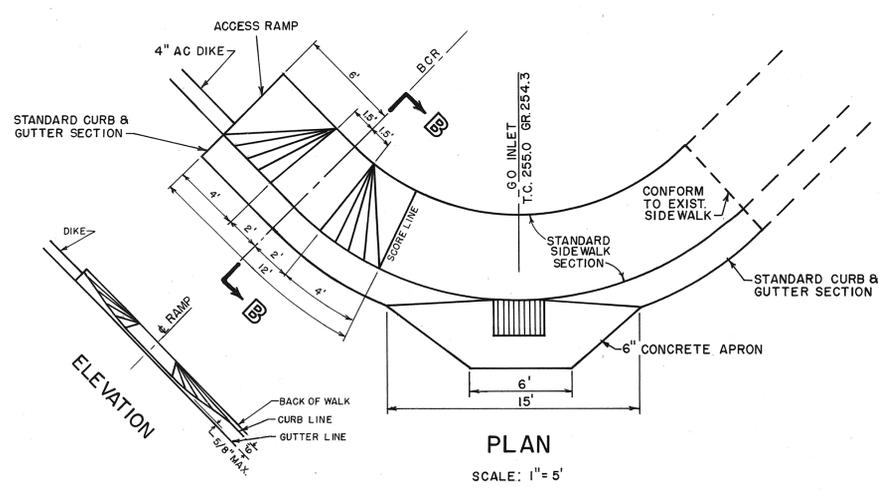
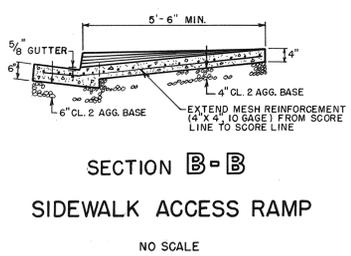
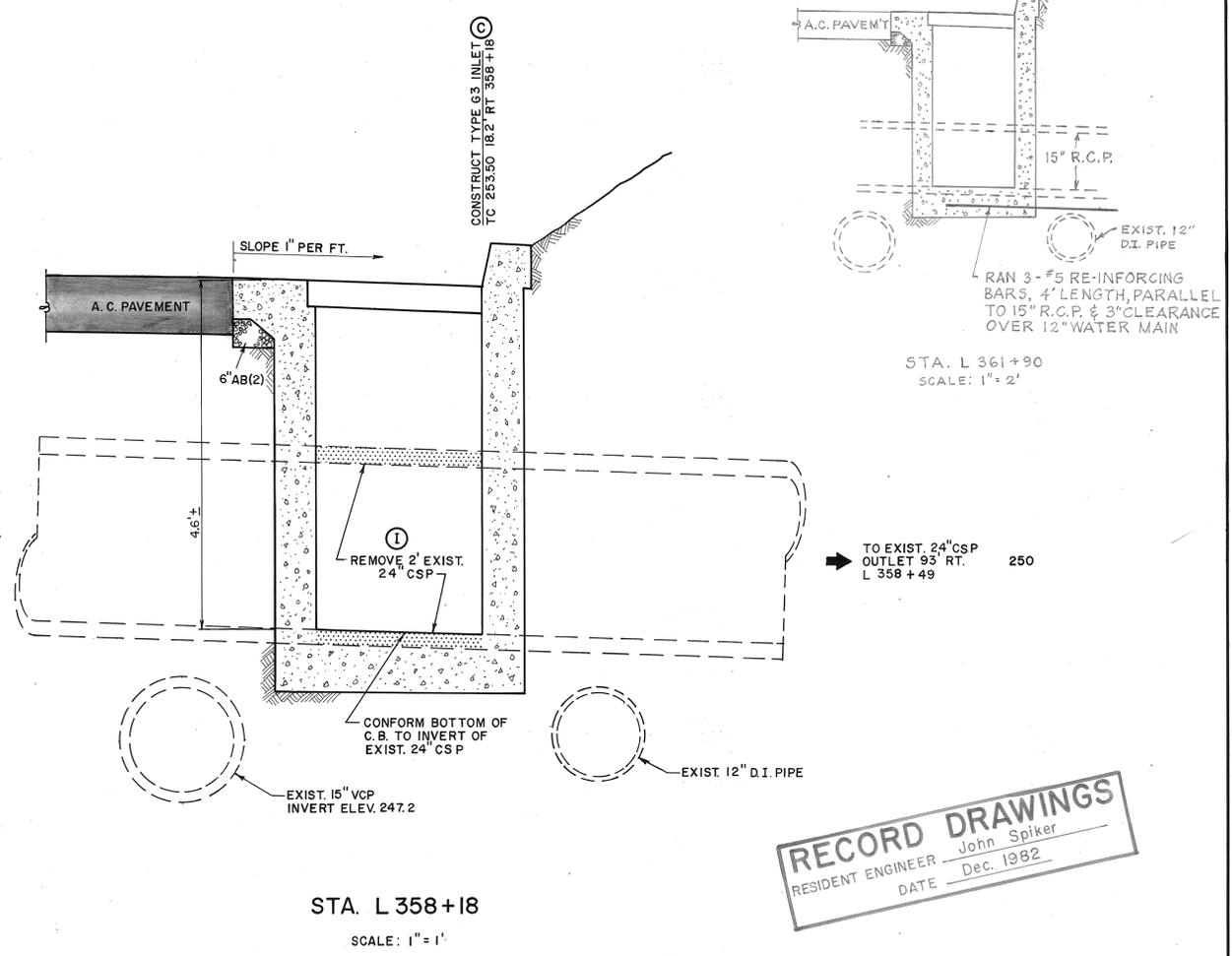
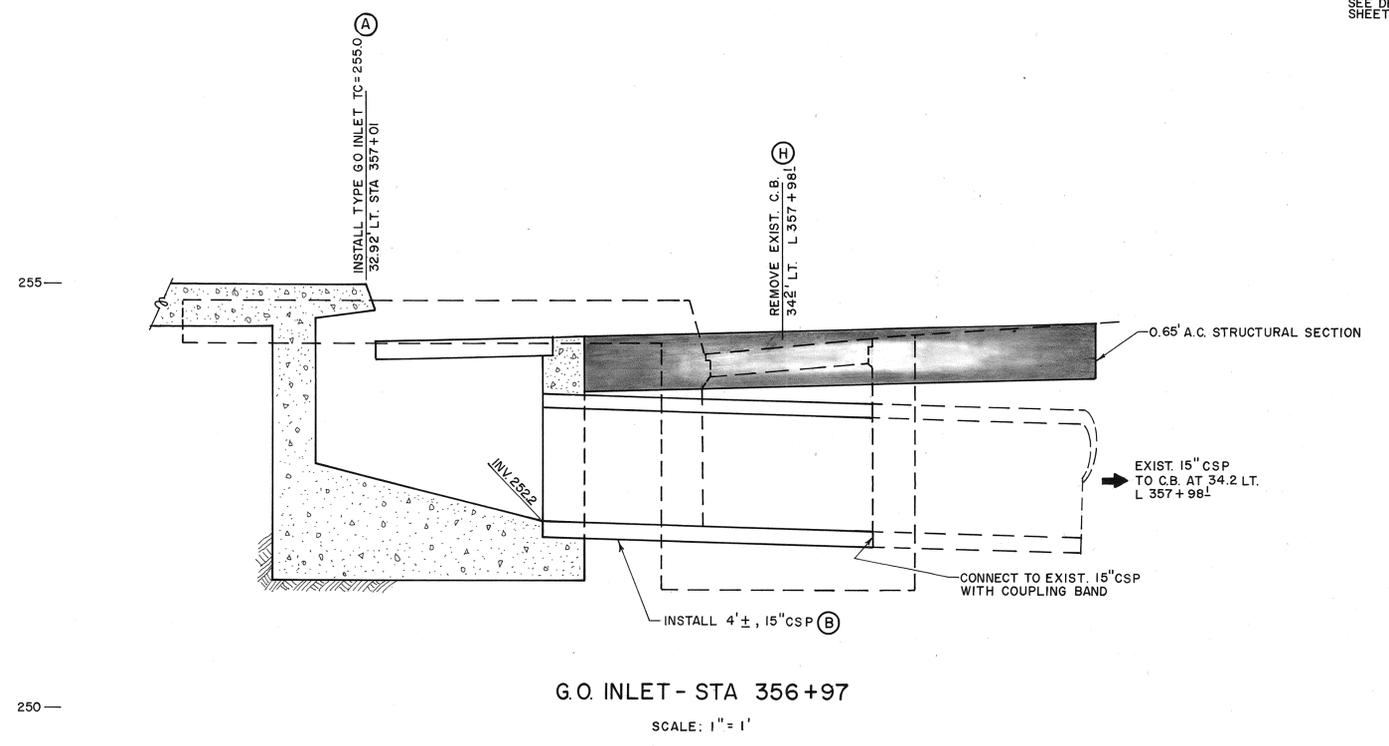
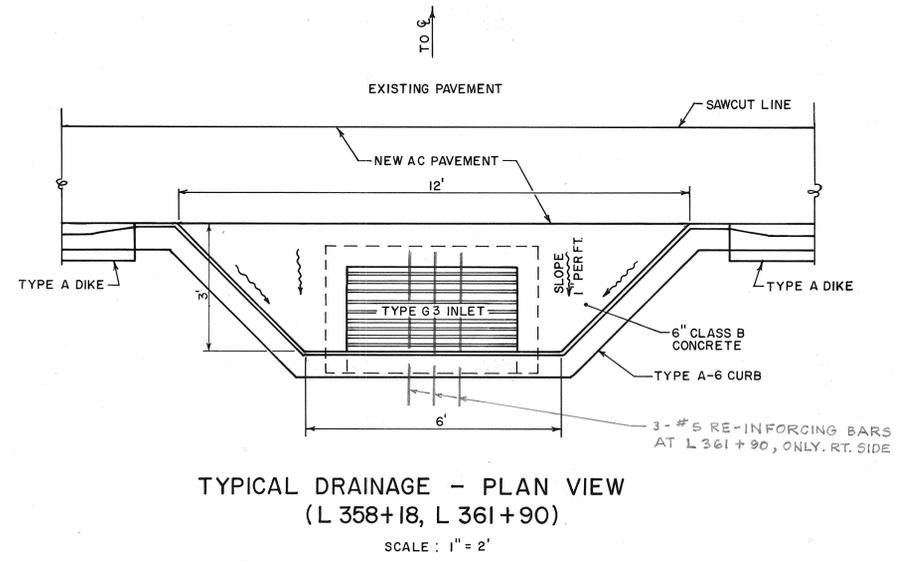
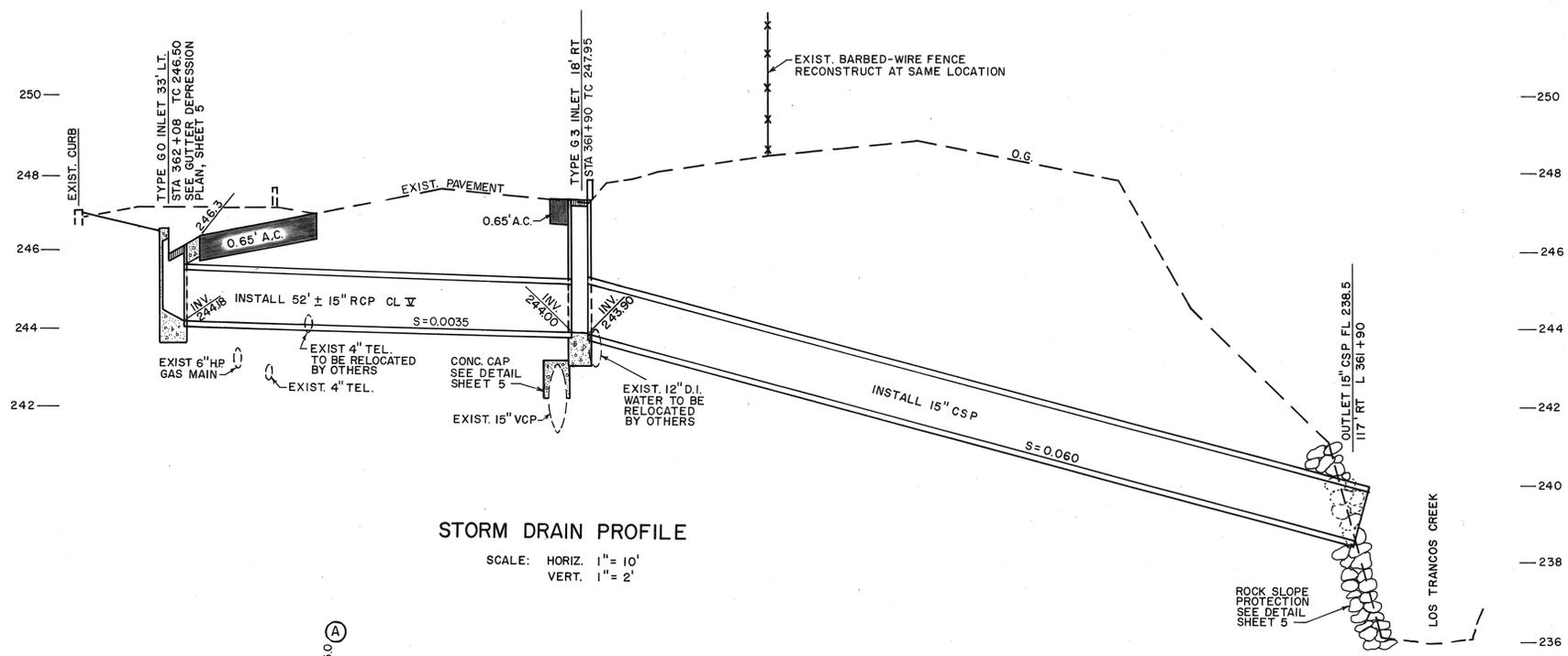
LADERA SHOPPING CENTER



RECORD DRAWINGS
 RESIDENT ENGINEER *John Spiker*
 DATE *Dec. 1982*

- NOTES:
 1. ALL OFFSETS TO FACE OF DIKE FROM CENTERLINE
 2. FOR DRAINAGE STRUCTURES (D), (E), (F), & (G) SEE LIST ON SHEET 5

DRAWN BY ML	ALPINE ROAD LEFT TURN LANES		SCALE 1" = 20'
CHECKED BY FDC			DATE OCT. 1979
FIELD BOOK 868-8	PLANS-STA. 359+00 TO STA. 370+75	FILE NO. I/3716	
S.H. CANTWELL, JR. - DIRECTOR OF PUBLIC WORKS SAN MATEO COUNTY		COUNTY GOVERNMENT CENTER REDWOOD CITY, CALIFORNIA	

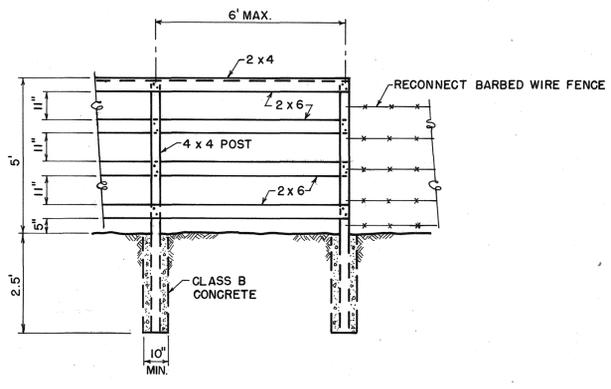


NOTE
 FOR DRAINAGE STRUCTURES (A), (B), (C), (H) & (I)
 SEE LIST ON SHEET 5

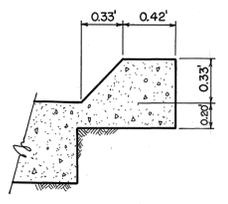
RECORD DRAWINGS
 RESIDENT ENGINEER John Spiker
 DATE Dec. 1982

DRAWN BY <u>ML</u>	ALPINE ROAD LEFT TURN LANES MISCELLANEOUS DETAILS & PROFILES	SCALE AS SHOWN
CHECKED BY <u>FDC</u>		DATE <u>OCT. 1979</u>
FIELD BOOK <u>686-8</u>		FILE NO. <u>1/3716</u>
S.H. CANTWELL, JR. - DIRECTOR OF PUBLIC WORKS SAN MATEO COUNTY		COUNTY GOVERNMENT CENTER REDWOOD CITY, CALIFORNIA

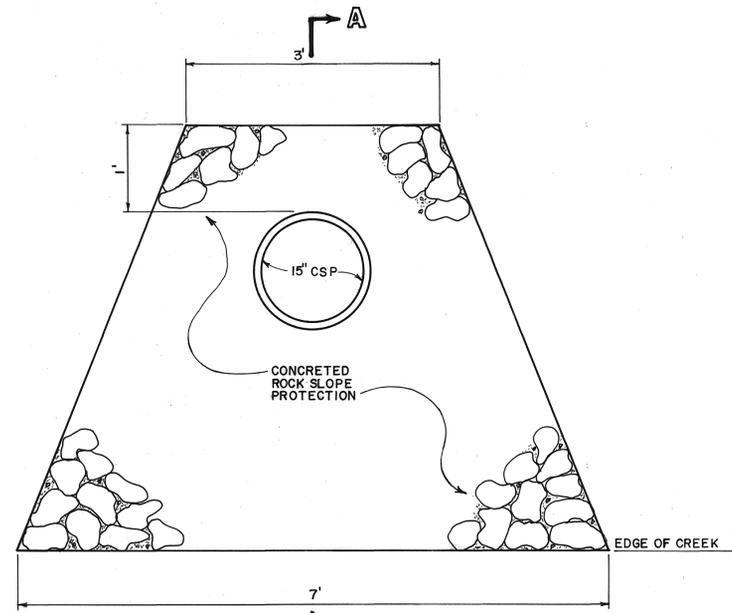
APPROVED: _____
 DATE: JUNE 27, 1980
S.H. Cantwell, Jr.
 S.H. CANTWELL, JR. - DIRECTOR OF PUBLIC WORKS



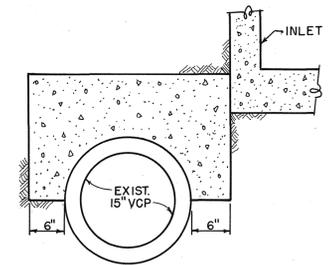
WOOD FENCE DETAIL
NO SCALE



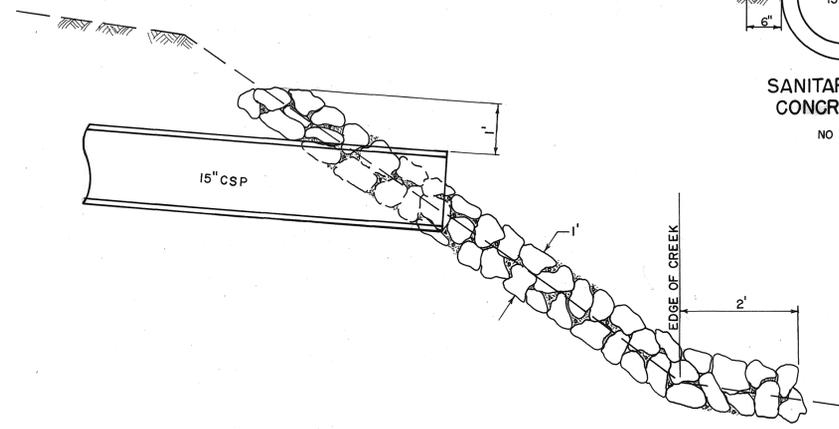
4" AC DIKE DETAIL
NO SCALE



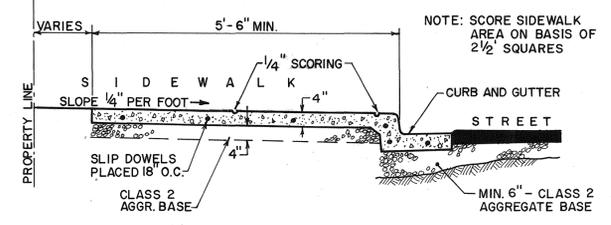
CONCRETED
ROCK SLOPE PROTECTION
NO SCALE



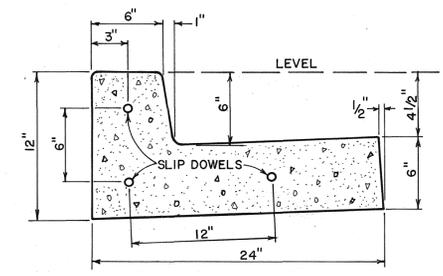
SANITARY SEWER
CONCRETE CAP
NO SCALE



SECTION A-A
ROCK SLOPE PROTECTION
NO SCALE

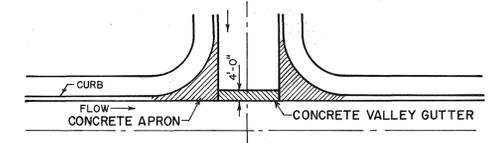


TYPICAL SECTION
URBAN CURB, GUTTER & SIDEWALK
NO SCALE

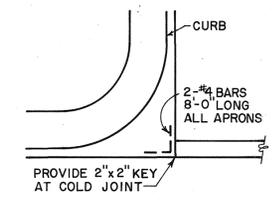


NOTES: ALL CONCRETE TO BE 5 SACKS OF CEMENT PER CUBIC YARD.
 MINIMUM SIDEWALK THICKNESS = 4"
 MINIMUM WIDTH = 5'-0"
 WHEN DIRECTED BY ENGINEER PLACE 1/2" DIA. DOWELS AS SHOWN.
 PLACE 1/4" EXPANSION JOINTS FULL WIDTH 20' ON CENTER.

TYPICAL SECTION
CURB & GUTTER
NO SCALE



INTERSECTION PLAN
APRON & VALLEY GUTTER
NO SCALE

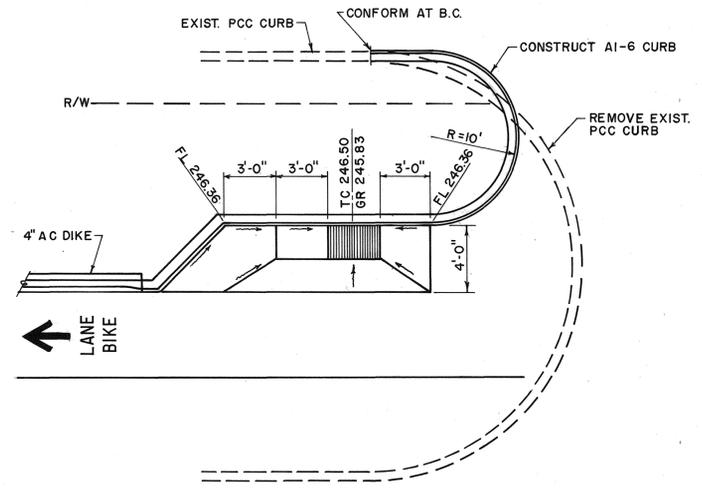


CONCRETE APRON DETAIL
NO SCALE

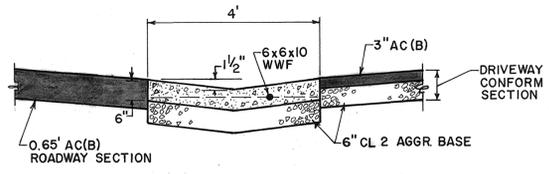
- NOTES:
1. OMIT GUTTER AROUND RETURN. SLOPE ALL PARTS OF APRON FROM CURB TO NEAREST FLOW LINE.
 2. APRON TO BE 6" MIN. THICK CL. B PC OVER 6" COMPACTED CL. 2 AGG. BASE.
 3. APRON REINFORCEMENT SHALL CONSIST OF 6'x6' - #10/10 WELDED WIRE FABRIC.
 4. APRONS SHALL BE POURED MONOLITHIC WITH ADJACENT CURB AND GUTTER.
 5. CONCRETE VALLEY GUTTER SHALL BE INSTALLED PRIOR TO PAVING.

RECORD DRAWINGS
 RESIDENT ENGINEER John Spiker
 DATE Dec. 1982

DRAINAGE ITEM	ITEM DESCRIPTION	HEIGHT OF INLET	PIPE (LINEAR FEET)			CL. A. PCC (MINOR STRUCT.) (CU. YDS.)	MISCELLANEOUS IRON AND STEEL (LBS)	REMOVE INLET
			15" RCP	15" CSP	REMOVE 24" CSP			
A	TYPE G0 INLET	2.30				1.07	188	
B	15" CSP			4				
C	TYPE G3 INLET	4.60				1.27	188	
D	TYPE G0 INLET	1.98				0.99	188	
E	15" RCP		52					
F	TYPE G3 INLET	3.05				1.04	188	
G	15" CSP			104				
H	REMOVE INLET	2.30						1
I	REMOVE 24" CSP				2			
TOTALS			52	108	2	4.37	752	1



GO INLET - STA 362+08
GUTTER DEPRESSION PLAN
SCALE: 1" = 5'

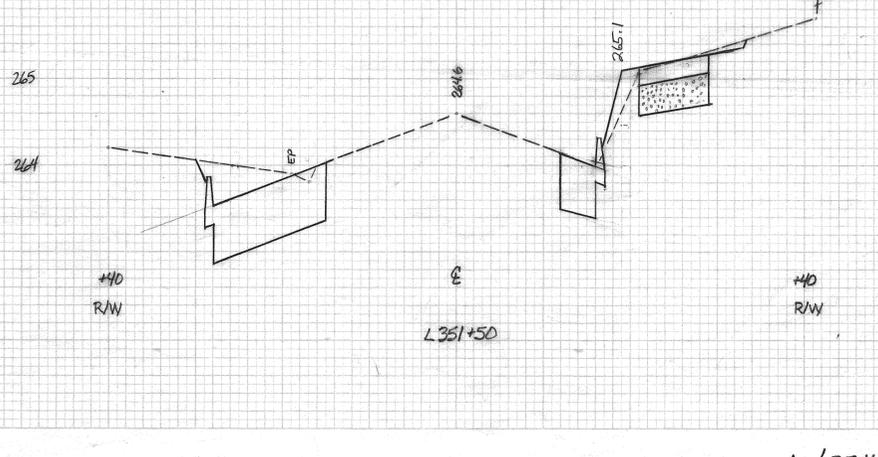
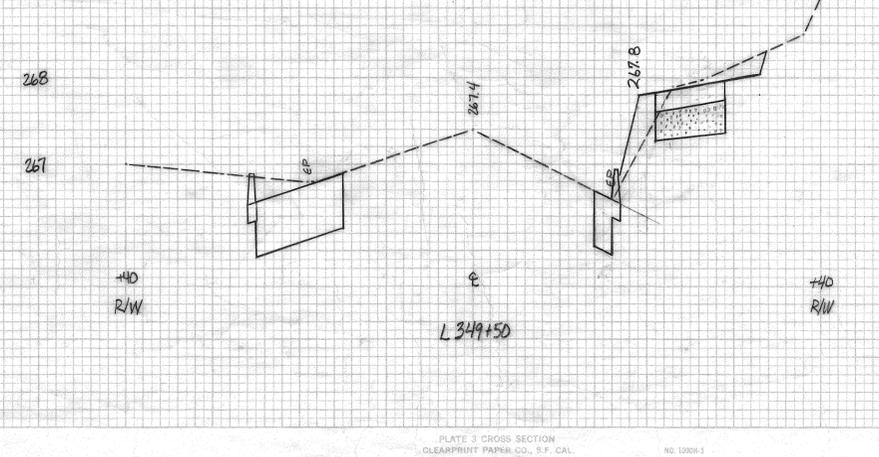
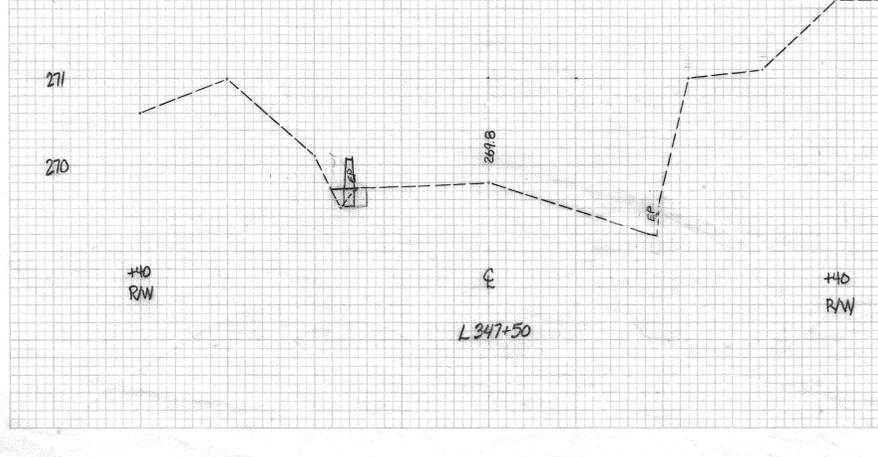
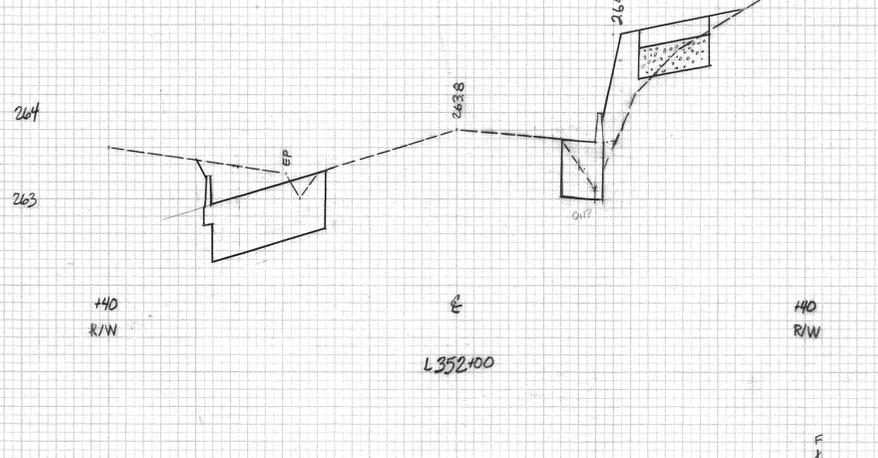
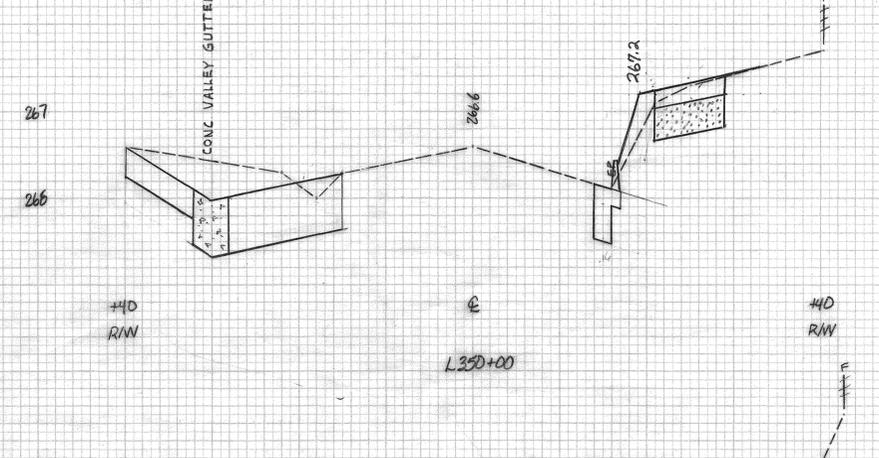
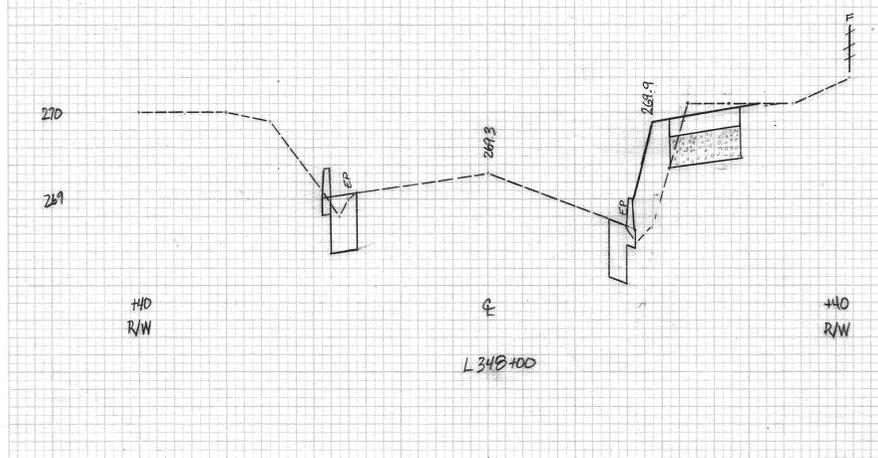
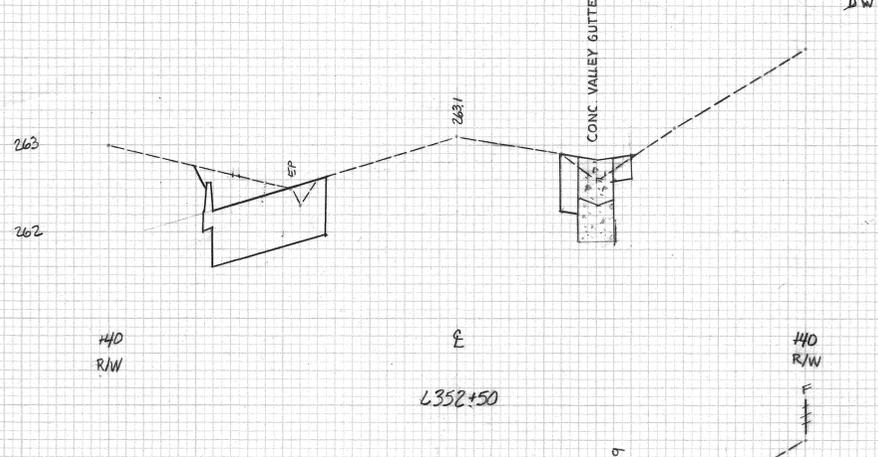
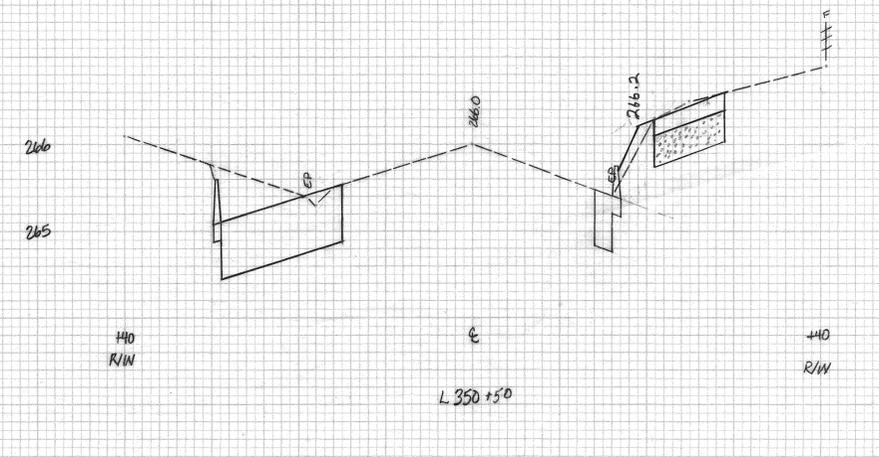
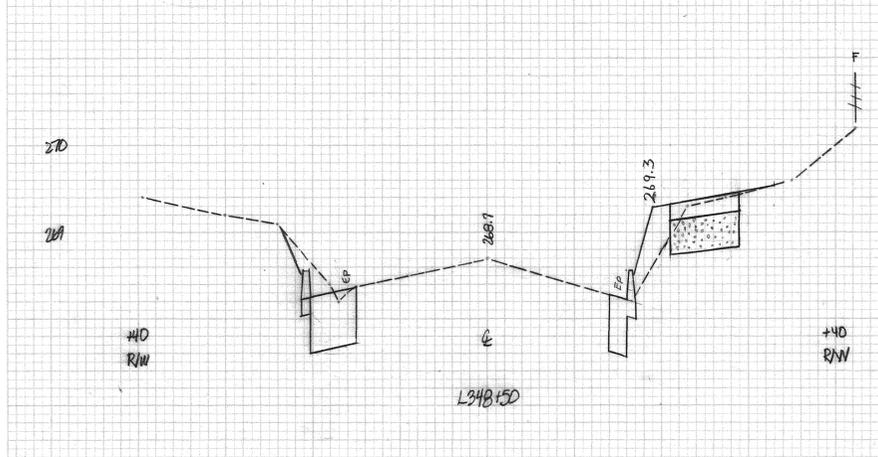
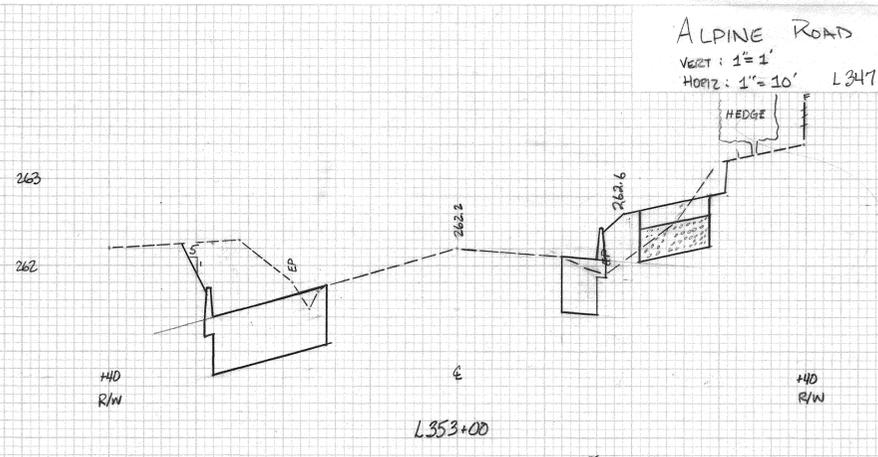
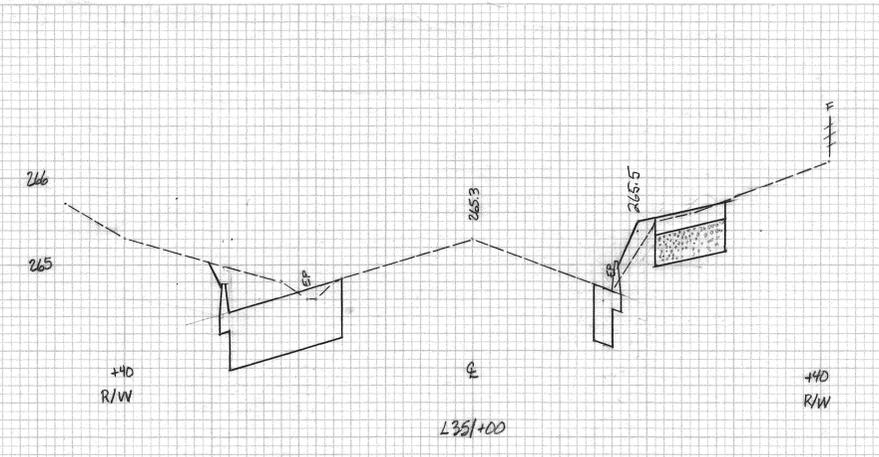
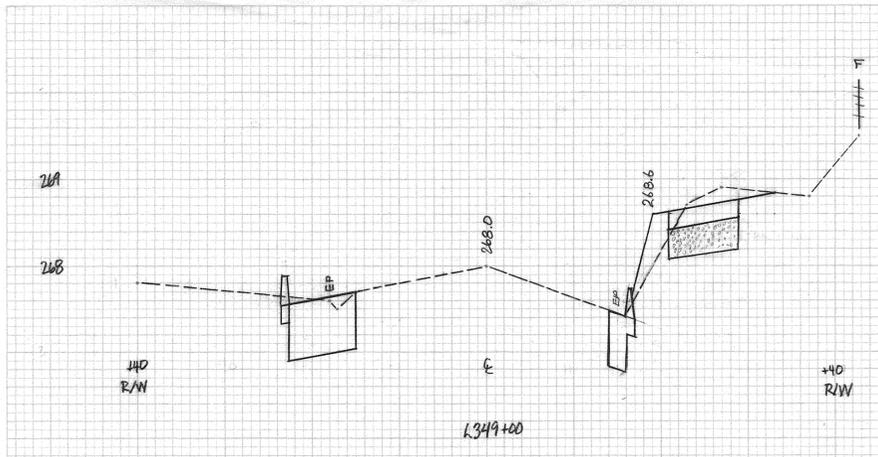


CONCRETE VALLEY GUTTER
NO SCALE

DRAWN BY	ML	ALPINE ROAD LEFT TURN LANES MISCELLANEOUS DETAILS	SCALE AS SHOWN
CHECKED BY	FDC		DATE OCT. 1979
FIELD BOOK	686-8		FILE NO 1/3716
S.H. CANTWELL, JR. - DIRECTOR OF PUBLIC WORKS SAN MATEO COUNTY		COUNTY GOVERNMENT CENTER REDWOOD CITY, CALIFORNIA	

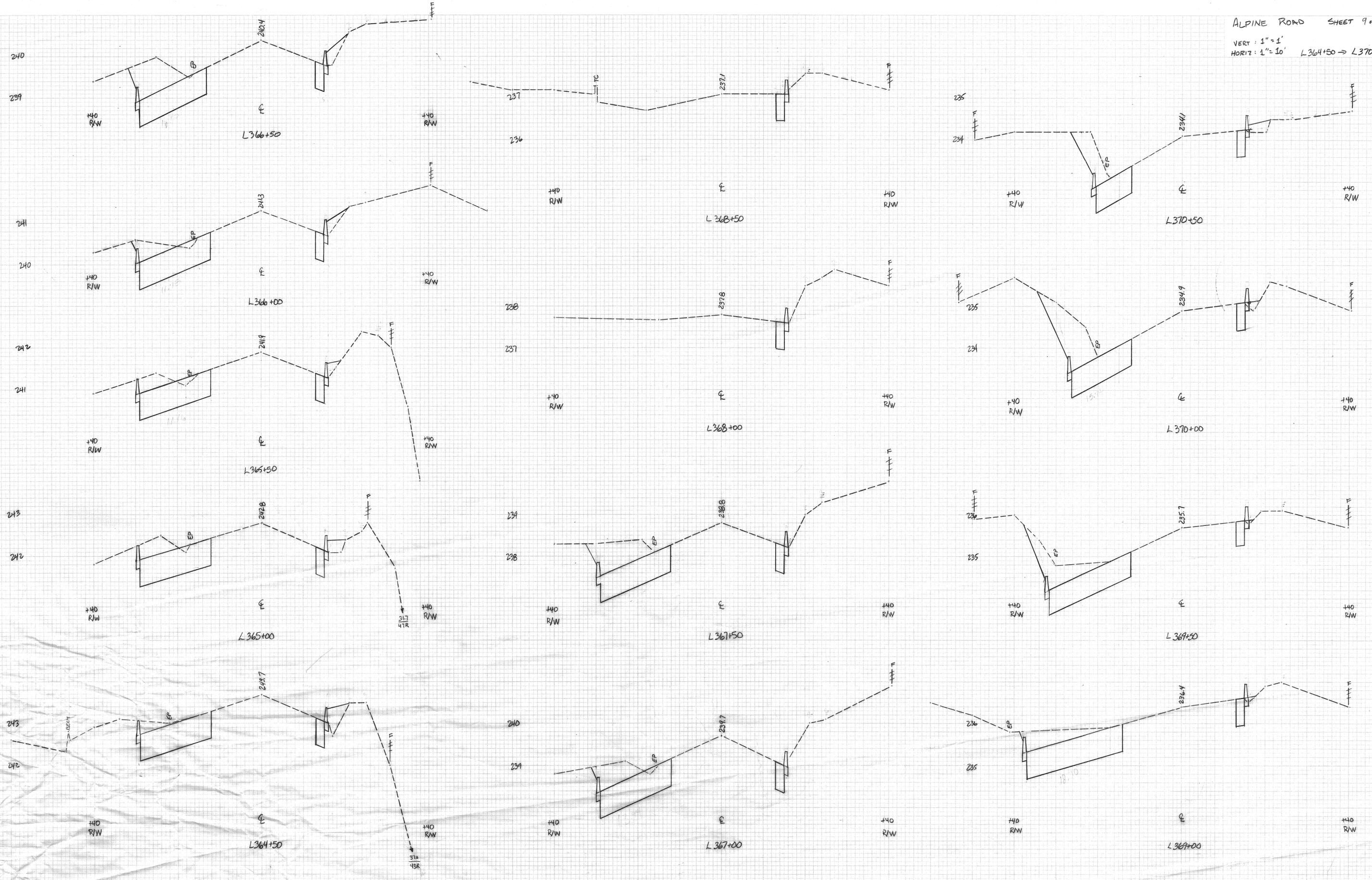
DATE: _____
 BY: _____
 SURVEYED: _____
 PLOTTED: _____
 FINAL SURVEY: _____
 NOTE BOOK: _____
 NO. AREAS CHECKED: _____

DATE: 8/1/77
 BY: R. W. REAS
 SURVEYED: _____
 PLOTTED: _____
 ORIGINAL SURVEY: _____
 NOTE BOOK: _____
 NO. AREAS CHECKED: _____



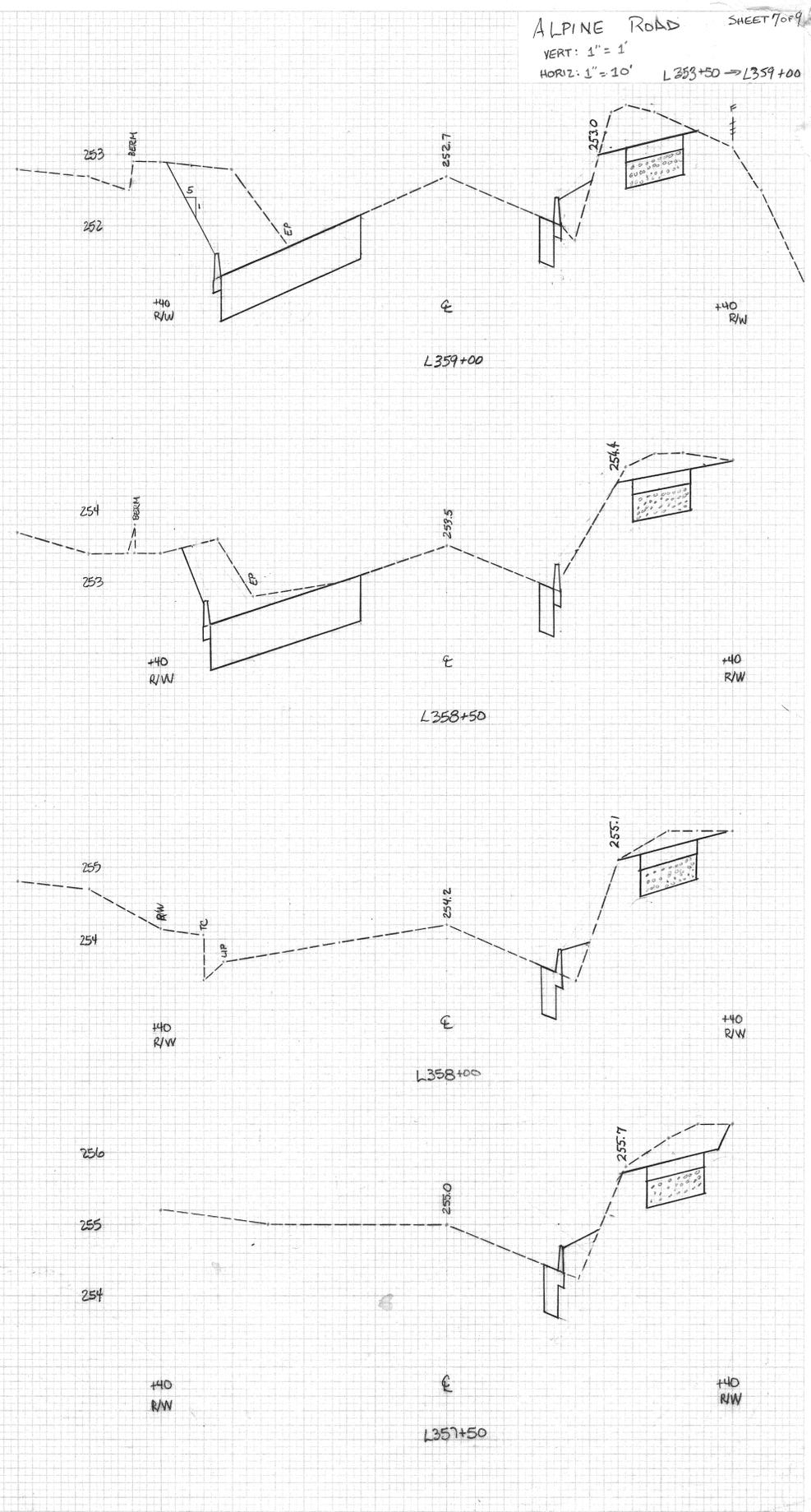
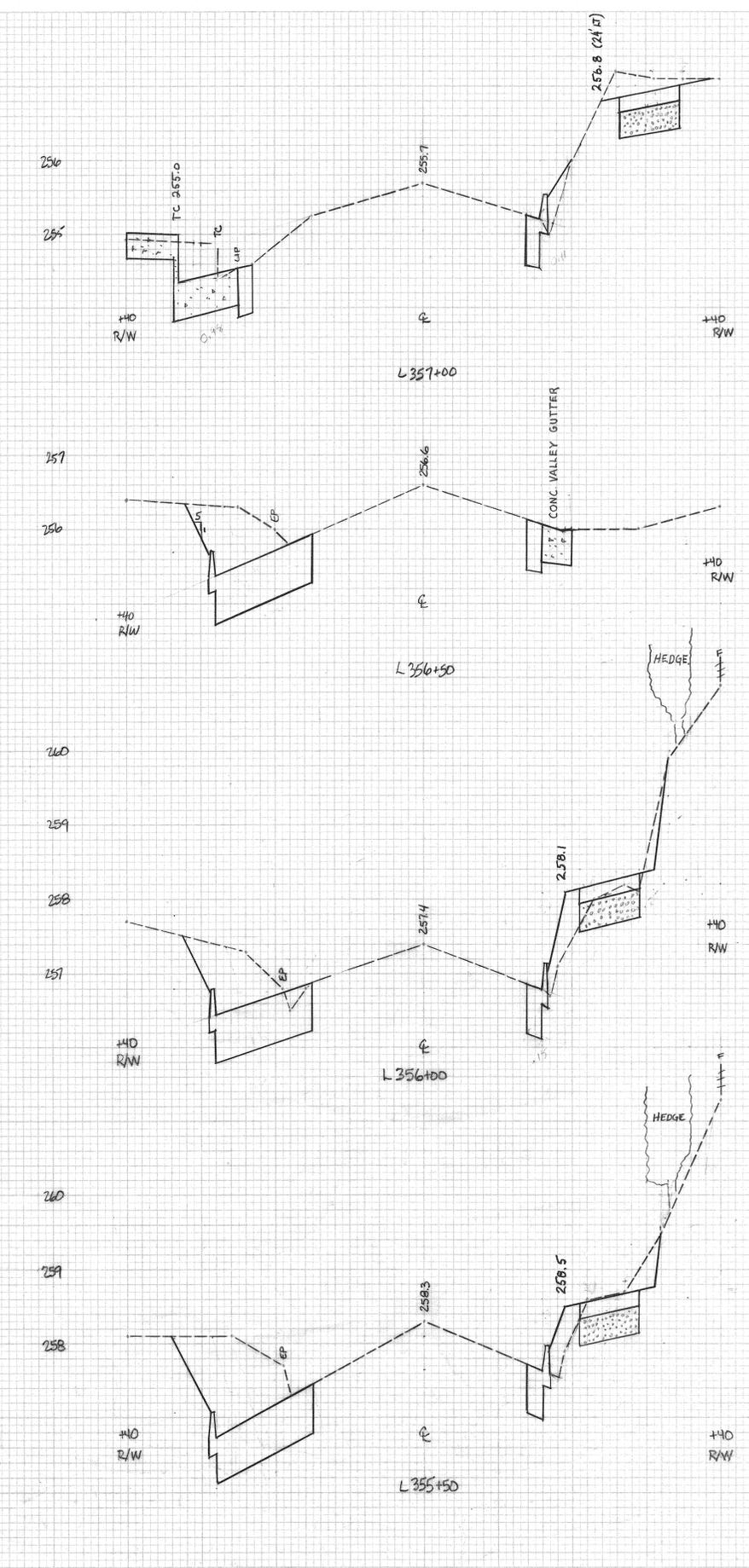
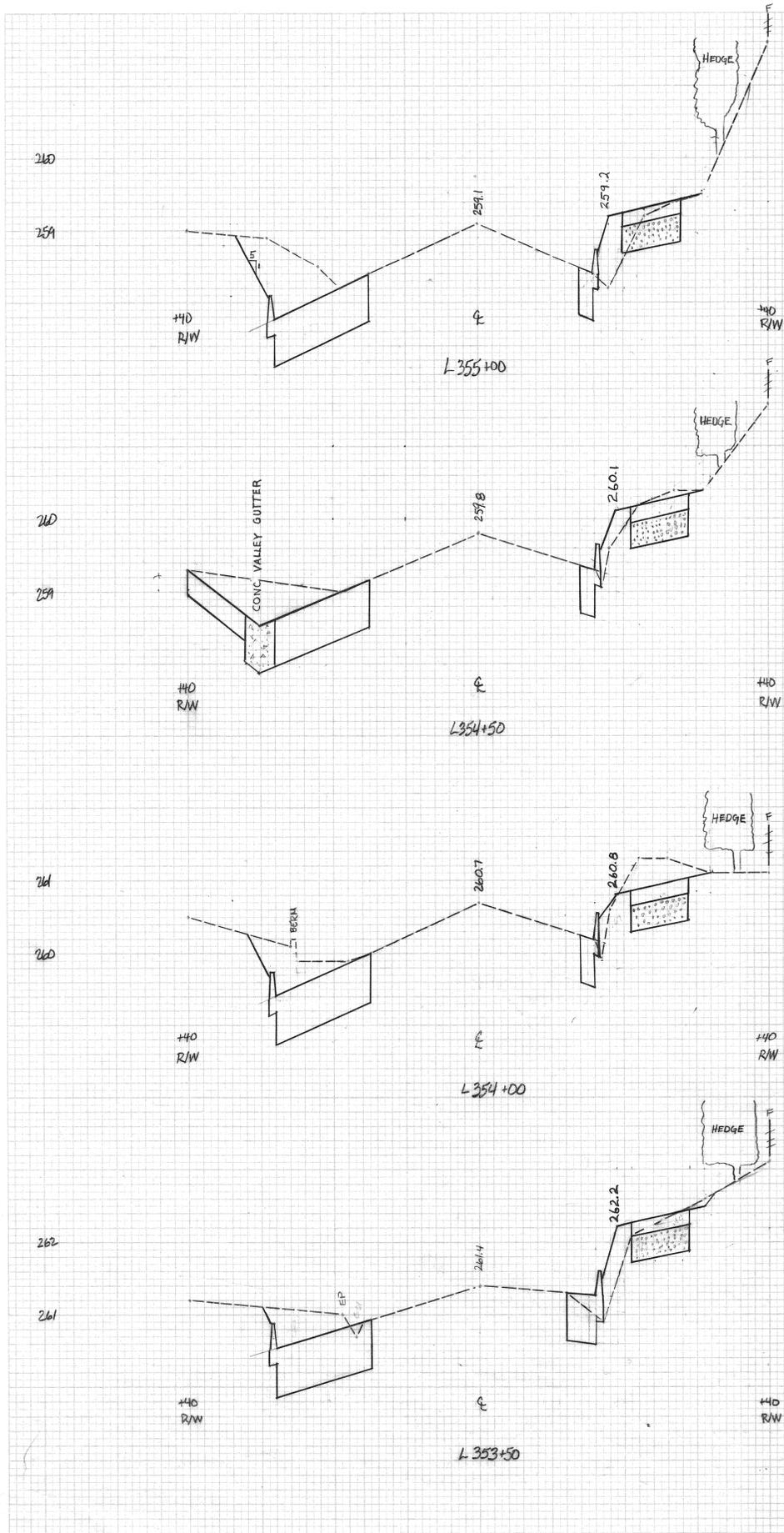
DATE	
BY	
REVISIONS	
NO.	DESCRIPTION
1	AS SHOWN

ORIG. SURV. NO.	97-114
REVISED SURV. NO.	571
DATE	8-79
BY	
NO.	
DESCRIPTION	
1	AS SHOWN



DATE	
BY	
APPROVED	
DESIGNED	
PLOTTED	
TECHNICAL	
NOTE BOOK	
AREAS	
AREAS CHECKED	

ORIGINAL SURVEY	NO. 1008	DATE	5-78
SURVEY	NO. 502	DATE	
NOTE BOOK		DATE	
TECHNICAL		DATE	
AREAS		DATE	
AREAS CHECKED		DATE	

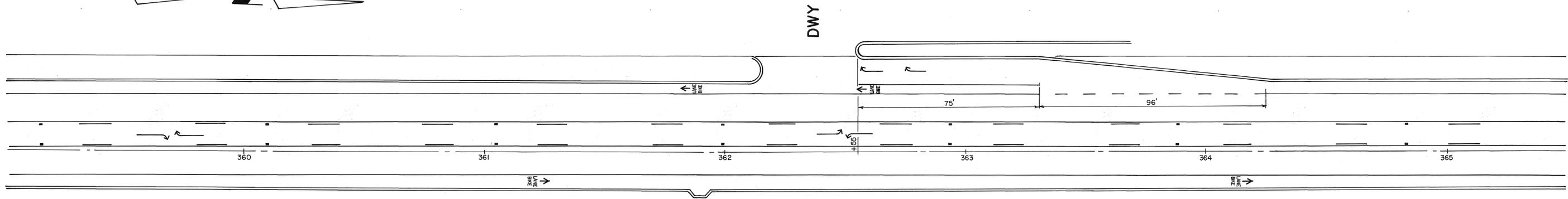


DIST.	COUNTY	RYE.	SEC.	SHEET NO.	TOTAL SHEETS
IV	SAN MATEO			2	2

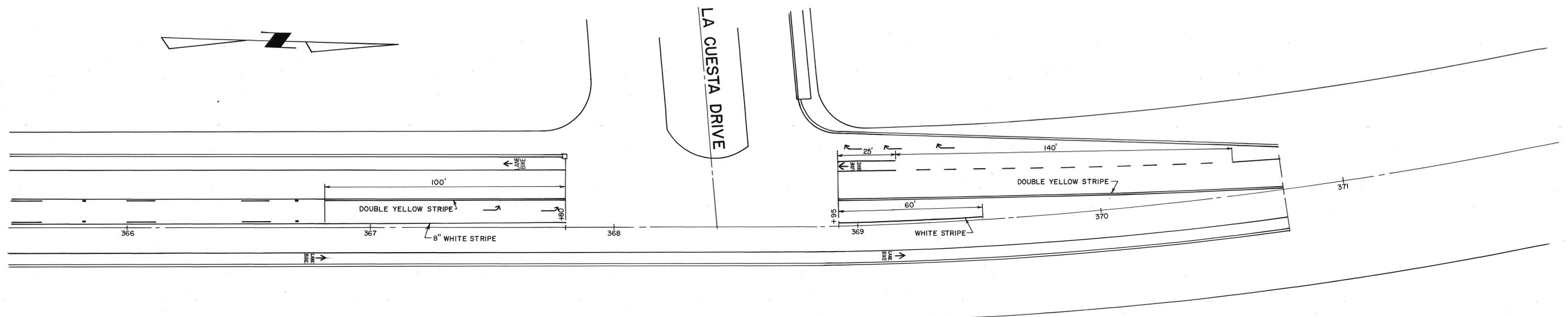
APPROVED:
DATE:

S. H. CANTWELL, JR. - DIRECTOR OF PUBLIC WORKS

LADERA SHOPPING CENTER



ALPINE ROAD



ALPINE ROAD

DRAWN BY M.L.	ALPINE ROAD - LEFT TURN LANES STRIPING PLAN STA. 359 +00 TO STA. 370 +75	SCALE 1" = 20'
CHECKED BY RGJ		DATE JUNE 1980
FIELD BOOK		FILE NO. 1/3758
S.H. CANTWELL, JR. - DIRECTOR OF PUBLIC WORKS SAN MATEO COUNTY		COUNTY GOVERNMENT CENTER REDWOOD CITY, CALIFORNIA



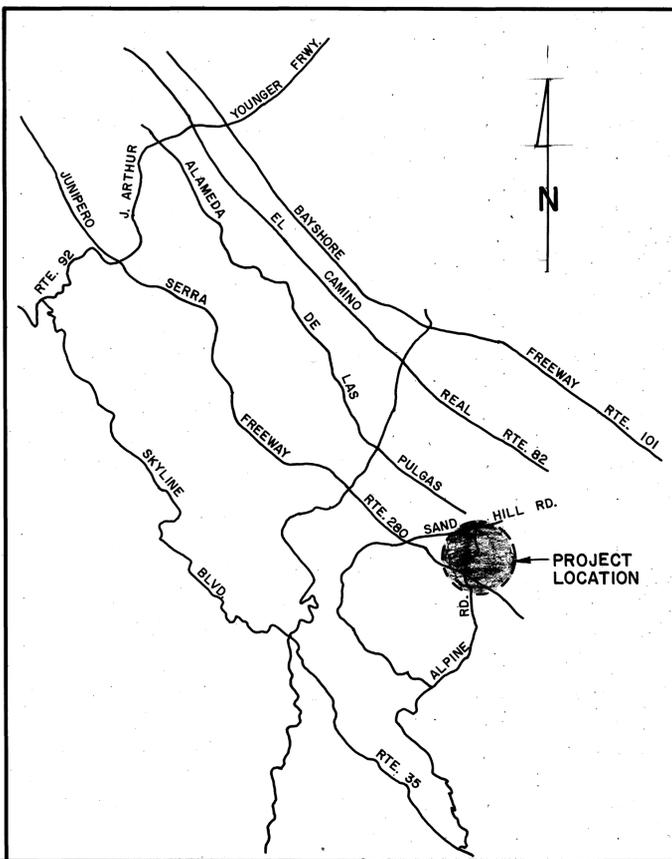
APPROVED: _____
 DATE: JULY 27, 1990.
R. L. Sans
 R.L. SANS, DIRECTOR OF PUBLIC WORKS
 R.C.E. # 13814 / EXPIRES 3-31-1993

SAN MATEO COUNTY CALIFORNIA

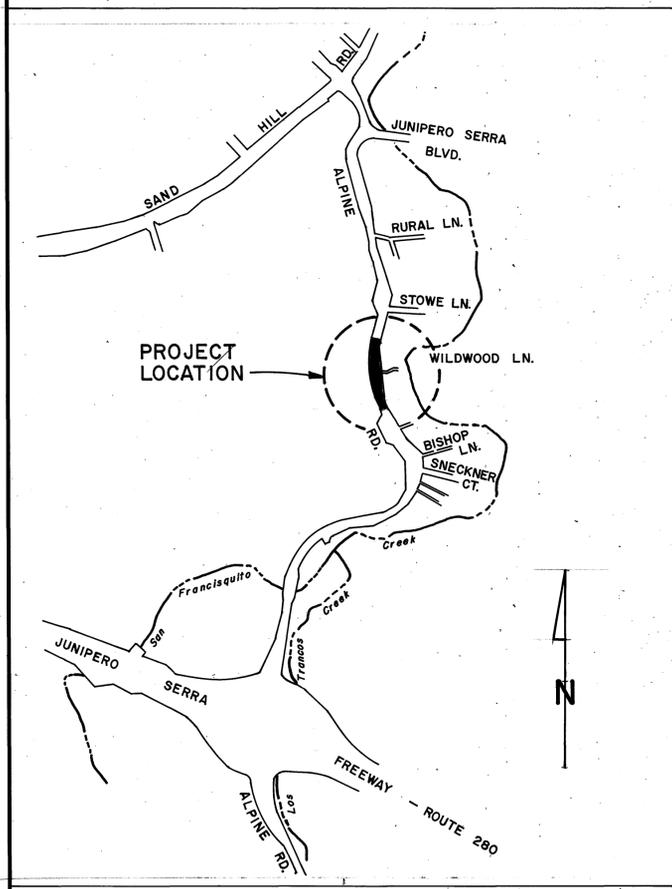
WIDENING OF ALPINE ROAD AT WILDWOOD LANE COUNTY ROAD NO. 75B

APPROXIMATE LENGTH OF PROJECT 0.16 MILE

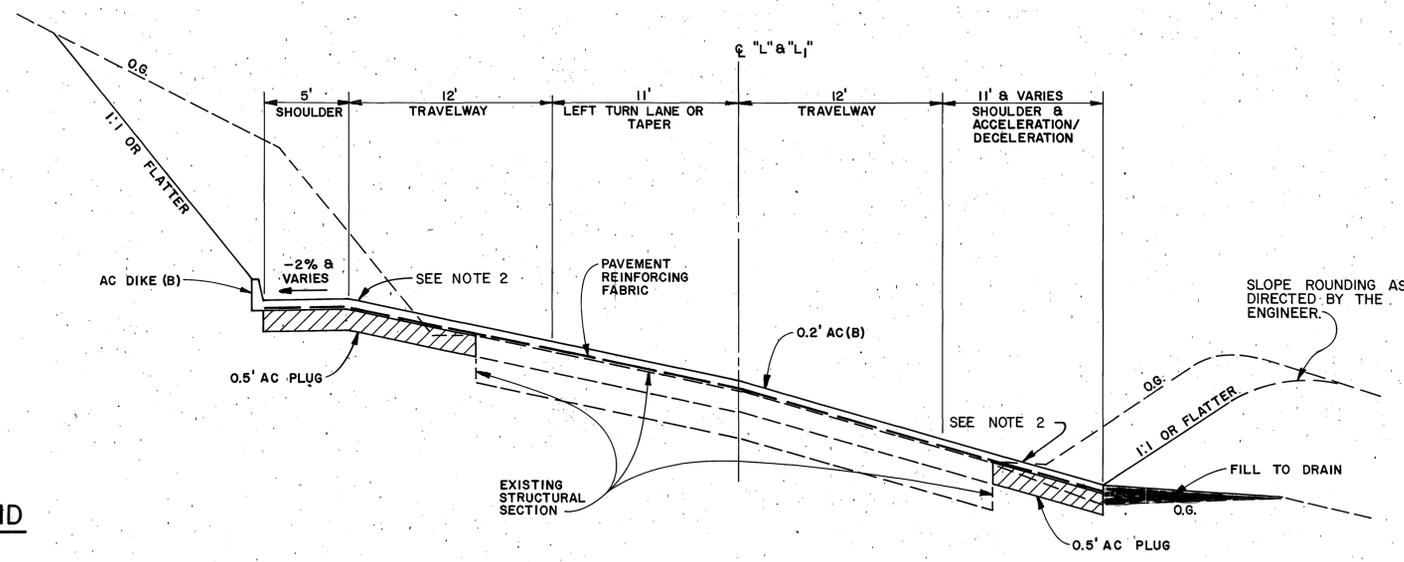
TO BE SUPPLEMENTED BY STATE OF CALIFORNIA DEPARTMENT OF
 TRANSPORTATION STANDARD PLANS DATED JANUARY 1988 AND ADOPTED
 BY SAN MATEO COUNTY JULY 19, 1988 BY RESOLUTION NO. 50614



VICINITY MAP



LOCATION MAP



TYPICAL SECTION
 NO SCALE

LEGEND

- MON — MONUMENT
- SSMH — SANITARY SEWER MANHOLE
- WM — WATER METER
- WV — WATER VALVE
- +○+ FIRE HYD
- CB — CATCH BASIN
- GV — GAS VALVE
- BP — BRACE POLE
- JP — JOINT POLE
- PP — POWER POLE
- ER — EDGE OF ROAD
- EP — EDGE OF PAVEMENT
- OG — ORIGINAL GROUND
- AC — ASPHALT CONCRETE

INDEX OF SHEETS

1. LOCATION MAPS & TYPICAL SECTION.
2. PLAN & CONSTRUCTION DETAILS.
3. TRAFFIC MARKERS & STRIPPING DETAILS.

APPLICABLE STANDARD PLANS

- A-62A N8-A T-11
- A-73 S-42-15 T-13
- A-77C-1
- A-77C-2
- A-77D
- A-77E

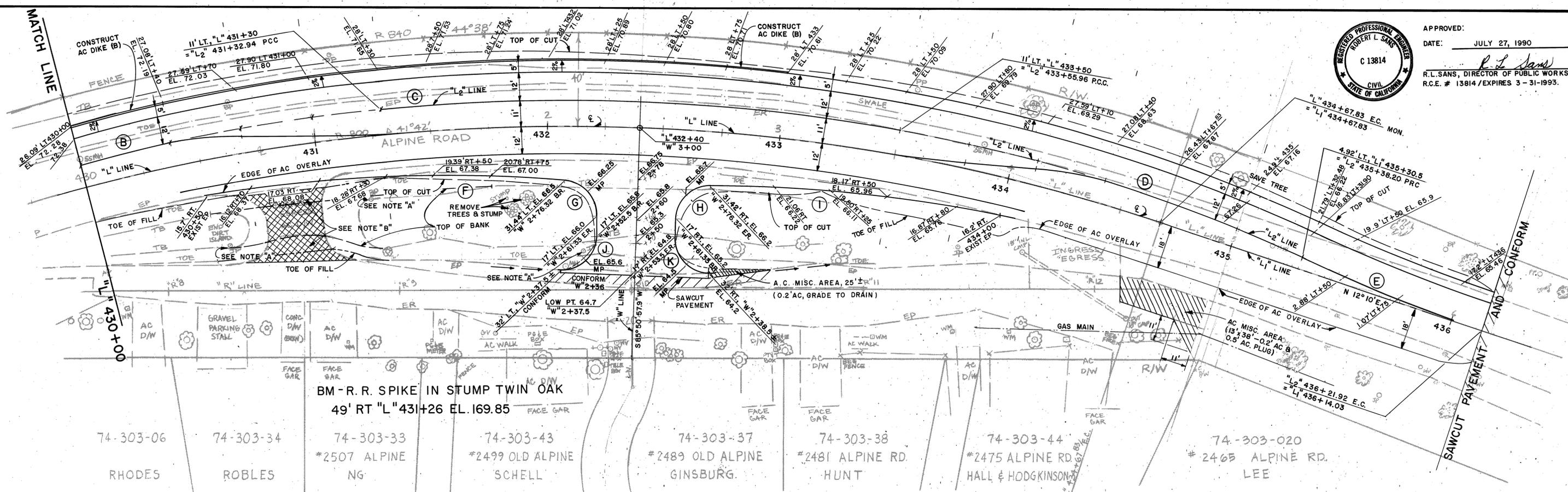
CONSTRUCTION NOTES

1. TREES AND SHRUBS WITHIN THE PROJECT AREA SHALL NOT BE REMOVED WITHOUT THE WRITTEN AUTHORIZATION OF THE ENGINEER.
2. SLOPE OF PAVEMENT WIDENING, WHERE REQUIRED, SHALL MATCH SLOPE OF PROPOSED RESURFACING WORK AND AS INDICATED ON THE PLANS.
3. THE WEST BAY SANITARY DISTRICT WILL ADJUST ITS OWN MANHOLES TO THE NEW GRADE. CONTRACTOR SHALL NOTIFY WEST BAY SANITARY DISTRICT TWO (2) WORKING DAYS (48 HOURS) BEFORE THE ASPHALT CONCRETE PAVING OPERATION. (CALL (415) 321-0384)
4. LOCATION OF EXISTING UNDERGROUND FACILITIES ARE APPROXIMATE AND FOR GENERAL INFORMATION ONLY. THE CONTRACTOR SHALL DETERMINE EXACT LOCATIONS AND DEPTHS BEFORE COMMENCING ANY CONSTRUCTION ACTIVITIES. CALL USA (UNDERGROUND SERVICE ALERT) TOLL FREE, (800) 642-2444.
5. OTHER CONTRACTORS AND UTILITY COMPANIES MAY BE WORKING WITHIN THE PROJECT AREAS, THE CONTRACTOR SHALL COORDINATE HIS WORK WITH THESE OTHERS SO THAT THE WORK MAY PROGRESS EFFICIENTLY.

DESIGNED BY: ASW	ALPINE ROAD WIDENING	SCALE: AS SHOWN
CHECKED BY: L.B.	LEFT TURN LANES AT WILDWOOD LANE	DATE: JULY 1990
DRAWN BY: RLM	COVER SHEET	FILE NO: 1/4272
R.L. SANS, DIRECTOR OF PUBLIC WORKS SAN MATEO COUNTY		805 VETERANS BLVD., SUITE 301 REDWOOD CITY, CALIFORNIA
REVISION	DATE	



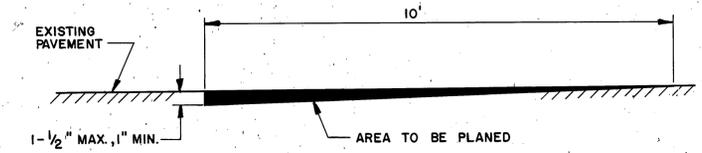
APPROVED: JULY 27, 1990
 R.L. SANS, DIRECTOR OF PUBLIC WORKS
 R.C.E. # 13814 / EXPIRES 3-31-1993



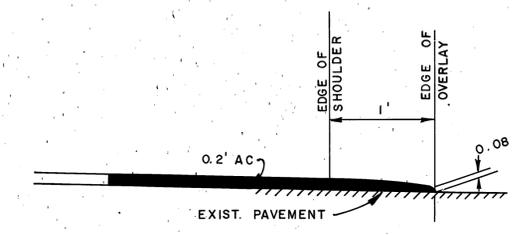
NOTE "A" - P.G. & E. AND PACIFIC BELL WILL RELOCATE THESE POLES WHILE THE PROJECT IS IN PROGRESS. THE CONTRACTOR SHALL COORDINATE HIS WORK WITH THESE UTILITY COMPANIES.
 NOTE "B" - REMOVE EXISTING PAVEMENT AND FILL ACCESS OPENING TO MATCH SURROUNDING CONTOURS. EXACT LIMITS OF CONTOUR GRADING SHALL BE DETERMINED BY THE ENGINEER. SEE SECTION 10-6 FOR METHOD OF PAYMENT.



CURVE DATA				
Station	R	Δ	L	T
A	652	5° 05' 58.7"	58.03	29.03
B	688	22° 36' 15.2"	271.43	137.50
C	811	15° 45' 22.8"	223.02	112.22
D	688	15° 10' 35.6"	182.24	91.66
E	712	6° 44' 14.9"	83.72	41.91
F	600	14° 43' 11.3"	154.15	77.50
G	15	87° 52' 40.8"	23.01	14.45
H	15	87° 47' 20.3"	22.98	14.43
I	600	11° 54' 58.1"	124.79	62.62
J	15	CONFORM TO EXISTING EDGE OF PAVEMENT		
K	15	CONFORM TO EXISTING EDGE OF PAVEMENT		
L	800	41° 42'	582.24	304.69



TYPICAL SECTION
 TRANSVERSE & LONGITUDINAL CONFORMS AT INTERSECTIONS
 NO SCALE
 NOTE: EXISTING A.C. SHALL BE REMOVED 1" DEEP MIN. TO 1-1/2" MAX. AT CONFORM, TAPERING TO BLEND AT 10'.



CONFORM DETAIL
 TO EXISTING PAVEMENT
 NO SCALE

MONUMENT LIST

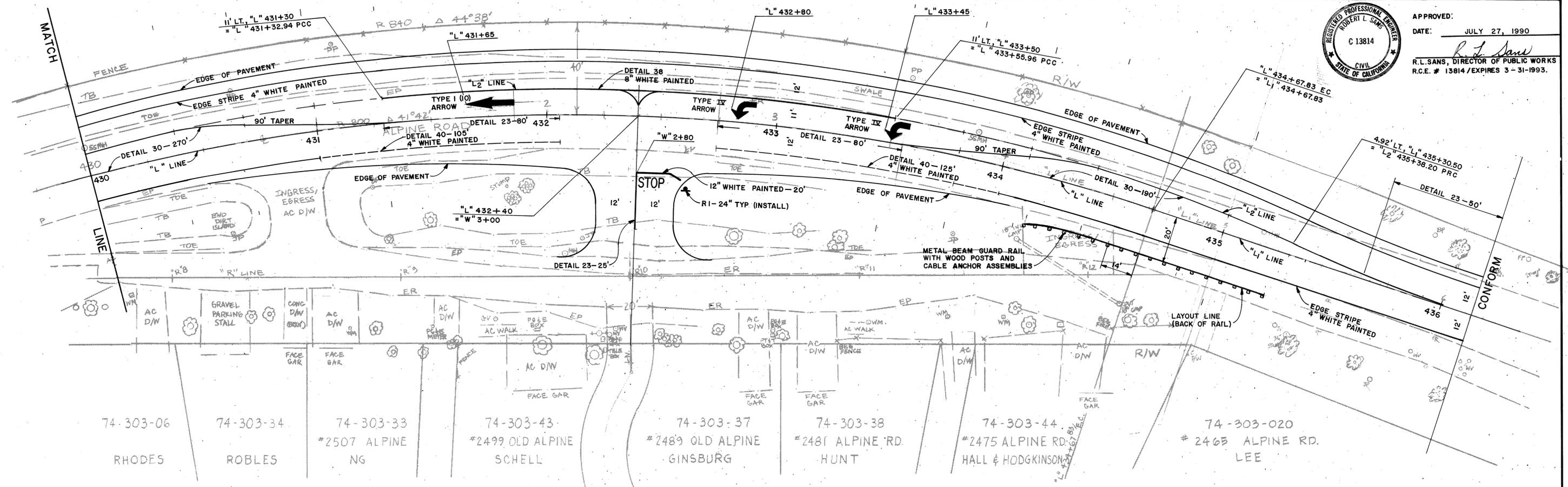
- STA. "L" 428 + 85.59 BC, RAISE EXIST MON.
- STA. "L" 432 + 40, INSTALL NEW MON. "W" 3+00
- STA. "L" = "L" 434 + 67.83 EC, RAISE EXIST MON.

B.M. - NAIL IN LEAD PLUG TOP OF D.I.
 17' RT "L" 428 + 15 EL. 171.68

DESIGNED BY: ASW	ALPINE ROAD WIDENING	SCALE: 1" = 20'
CHECKED BY: LB	LEFT TURN LANES AT WILDWOOD LANE	DATE: JULY 1990
DRAWN BY: RLM	PLAN & CONSTRUCTION DETAILS	FILE NO. 1/4272
R.L. SANS, DIRECTOR OF PUBLIC WORKS SAN MATEO COUNTY		805 VETERANS BLVD., SUITE 301 REDWOOD CITY, CALIFORNIA



APPROVED: *R. L. Sans*
 DATE: JULY 27, 1990
 R.L. SANS, DIRECTOR OF PUBLIC WORKS
 R.C.E. # 13814 / EXPIRES 3-31-1993.



INSTALLATION AND QUANTITY SUMMARY

DETAIL NO.	PAVEMENT MARKER QUANTITIES						
	NON-REFLECTIVE				REFLECTIVE		
	TYPE A	TYPE AY	TYPE DW	TYPE D	TYPE G	TYPE GC	TYPE H
23	—	114	—	32	—	—	—
30	—	366	—	82	—	—	—
38	—	—	—	10	—	—	—

LEGEND

- TYPE AY 4" PLAIN YELLOW
- TYPE D 2 WAY YELLOW
- TYPE G 1 WAY CLEAR

STRIPING AND PAVEMENT LEGEND

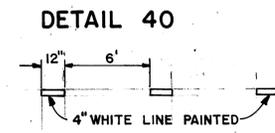
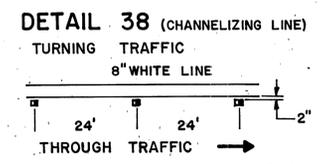
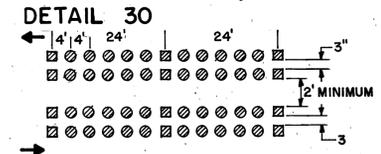
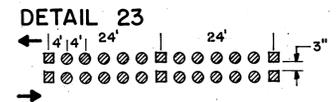
- 4" WHITE PAINTED — 1600 LF = 1600
 - 8" WHITE PAINTED — 260 LF X2 = 520
 - 12" WHITE PAINTED — 20 LF X3 = 60
 - STOP WHITE PAINTED PAVEMENT LEGEND — 1
 - PAVEMENT ARROW — 3
- 2180 L.F. — TOTAL TRAFFIC STRIPE**

SIGNS AND POSTS

- TYPE RI 24" STOP SIGN ON 2" GALVANIZED POST — 1

NOTE:

1. CONTRACTOR SHALL LAYOUT THE LINES FOR PAVEMENT MARKINGS, LIMIT LINES, AND CHANNELIZATION LINES FOR APPROVAL OF THE ENGINEER PRIOR TO PLACING ANY PAVEMENT MARKERS, MARKERS, LINES, AND STRIPES ON THE PAVEMENT.
2. LEGENDS AND SIGNS SHALL MEET STATE OF CALIFORNIA, DEPARTMENT OF TRANSPORTATION, STANDARDS AND SPECIFICATIONS.

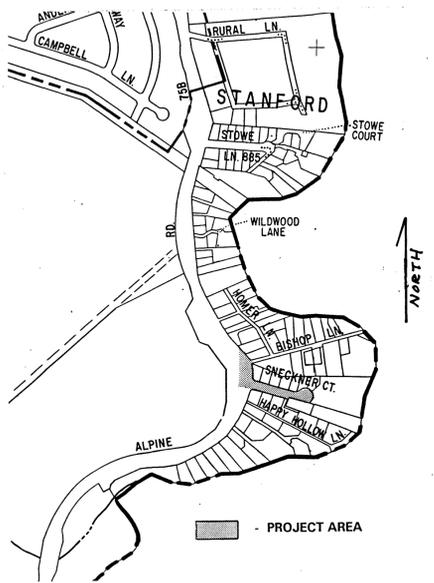


DESIGNED BY: RWC	ALPINE ROAD WIDENING	SCALE: 1" = 20'
CHECKED BY: LB	LEFT TURN LANES AT WILDWOOD LANE	DATE: JULY 1990
DRAWN BY: RLM	STRIPING & TRAFFIC PLAN	FILE NO. 1/4272
R.L. SANS, DIRECTOR OF PUBLIC WORKS SAN MATEO COUNTY		805 VETERANS BLVD., SUITE 301 REDWOOD CITY, CALIFORNIA

PROJECT LOCATION



VICINITY MAP
NO SCALE



LOCATION MAP
NO SCALE

ABBREVIATIONS:

AB (2)	AGGREGATE BASE (CLASS 2)
AC (B)	ASPHALT CONCRETE (TYPE B)
ADS	ADVANCED DRAINAGE SYSTEMS PE PIPE
BM	BENCH MARK
CB	CATCH BASIN
CG & SW	CURB, GUTTER AND SIDEWALK
DI	DRAINAGE INLET
DW	DRIVEWAY
EP	EDGE OF PAYMENT
FG	FINISHED GRADE
FL	FLOWLINE
G	GAS LINE OR SERVICE
ID	INSIDE DIAMETER
INV	INVERT
LOG	LIP OF GUTTER
MH	MANHOLE
MON	SURVEY MONUMENT
OD	OUTSIDE DIAMETER
OG	ORIGINAL GROUND
PCC	PORTLAND CEMENT CONCRETE
PE	POLYETHYLENE
RCP	REINFORCED CONCRETE PIPE
R/W	RIGHT OF WAY
SD	STORM DRAIN
S	SANITARY SEWER
STA	STATION
TC	TOP OF CURB
TYP	TYPICAL
W	WATER LINE OR SERVICE

A' 423+73.52.5' ±
INSTALL 4' X 4' CONCRETE JUNCTION STRUCT.
RIM = 22.31 ±
EXIST. FL IN = 15.35 ±
NEW FL OUT = 15.25 ±

A' 423+08.94.6' Rt.
EXIST. 55MH RIM = 21.26
INV = 10.16 ±

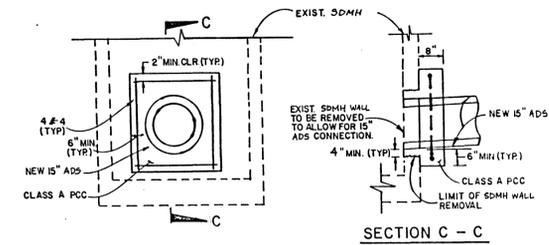
S' 0+15.5' RT
INSTALL ADS PE SDMH
RIM = 22.61
FL IN = 14.33
FL OUT = 14.10

A' 420+84.54.5' Rt.
EXIST. 55MH RIM = 26.07 ±
INV = 15.97 ±

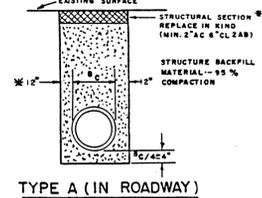
S' 4+15 ± 27 ± Lt.
EXIST. CB
Base of curb = 14.14 ±
FL = 10.14 ±

S' 4+18 ± 10' ± Rt.
EXIST. SDMH RIM = 16.00
NEW FL IN = 7.30
EXIST. FL OUT = 7.20

S' 2+56.24' Rt.
EXIST. 55MH RIM = 16.80
INV = 13.13 ±



6 - CONCRETE COLLAR AT ADS CONNECTION TO EXISTING SDMH
NO SCALE



UNLESS DISTANCE IS REDUCED BY THE ENGINEER IN THE FIELD

STRUCTURE BACKFILL MATERIAL: MATERIAL WITH SAND EQUIVALENT NOT LESS THAN 20 AND SIEVE GRADATION BY WEIGHT AS FOLLOWS: SIEVE SIZE % PASSING SIEVE

3"	100
NO. 4	38-100
NO. 30	20-100

BACKFILL MATERIAL: MATERIAL FROM EXCAVATION, FREE FROM STONES OR LUMPS EXCEEDING 3 INCHES IN GREATEST DIMENSION, VEGETABLE MATTER, OR OTHER UNSATISFACTORY MATERIAL.

Height of Cover Table for ADS Pipe

-Depth of Cover for Corrugated Polyethylene Pipe
-H20 or E80 Live Load
-Pipe Manufactured to AASHTO M-294

Diameter (inches)	Minimum Cover (inches)	Maximum Cover (feet)
12"	12 24	58
15"	12 24	59
18"	12 24	62
24"	12 24	61

Notes:
1. Cover limitations calculated using load factor design per AASHTO procedures.
2. Soil density of 100# / cu. ft. is assumed.
3. Backfill around the pipe must be compacted to a density of 90% per AASHTO 1-99.
4. Use reasonable care in handling and installation.
5. Cover limitations are measured from the top of the pipe.

NOTES:

- LOCATIONS AND DEPTHS OF EXISTING UTILITIES SHOWN ON THE PLANS ARE APPROXIMATE ONLY. THE ROAD DEPARTMENT SHALL BE RESPONSIBLE FOR CONTACTING THE UTILITIES TO DETERMINE EXACT LOCATIONS AND DEPTHS. THE ROAD DEPARTMENT SHALL CALL "UNDERGROUND SERVICE ALERT" AT 1-800-642-2444, 48 HOURS BEFORE EXCAVATION WORK IS TO BEGIN. WHEN CALLING, BE PREPARED TO GIVE THE LOCATION AND NATURE OF WORK, START DATE, COMPANY NAME, ADDRESS AND TELEPHONE NUMBER.
- PLANS MAY NOT SHOW ALL EXISTING WATER, GAS OR SANITARY SEWER LATERALS. THE ROAD DEPARTMENT SHALL BE RESPONSIBLE FOR VERIFICATION AND PRESERVATION OF ALL SUCH FACILITIES WHICH ARE NOT TO BE RELOCATED.
- THE LOCATION OF EXISTING IMPROVEMENTS ARE APPROXIMATE. THE ROAD DEPARTMENT SHALL REPLACE ALL SURFACING, CURB, GUTTER, AND SIDEWALK, AC DIKE, ETC. THAT IS DISTURBED AS A RESULT OF THIS PROJECT.
- THE ELEVATIONS SHOWN ON THE PLAN ARE BASED ON INFORMATION PROVIDED BY THE ROAD DEPARTMENT. STORM DRAIN PIPE AND MANHOLE ELEVATIONS AND LOCATIONS MAY NEED TO BE ADJUSTED IN THE FIELD.

LEGEND:

--S--	EXISTING SANITARY SEWER LINE
--W--	EXISTING WATER LINE
--G--	EXISTING GAS LINE
--SD--	EXISTING STORM DRAIN
□	DROP INLET / CATCH BASIN
○	MANHOLE
○	MONUMENT
○	PROPOSED STORM DRAIN
○	DRAINAGE ITEM NUMBER

FIELD BOOK REFERENCE:

685, 686-6

ELEVATIONS ARE BASED ON DATUM ASSUMED BY BILL FLOYD, ROAD DEPARTMENT (BENCH = 16.50 @ SSMH RIM, S' 2+46, 12' LT.)

LIST OF QUANTITIES

ESTIMATED QUANTITY	UNIT OF MEASURE	ITEM
1	EA	ADS POLYETHYLENE STORM DRAIN MANHOLE
1	EA	PREFAB 4' X 4' CONCRETE SD JUNCTION STRUCTURE
6.85	LB	#4 STEEL REBAR
1	EA	CONNECTION TO EXIST. SDMH
584	LF	15" ADS N-12 PIPE
1	EA	ABANDONMENT OF 18" RCP
23	TON	ASPHALT CONCRETE (TYPE 2)
35	CY	AGGREGATE BASE (CLASS 2)
0.20	TON	PRIME COAT
712	CY	EXCAVATION - PIPE & MH'S
593	CY	BACKFILL MATERIAL
0.60	CY	CLASS B CONCRETE
0.13	CY	CLASS A PCC - MINOR STRUCTURES

* INCLUDES AN EXTRA 10%
+ FOR CONCRETE COLLAR ONLY
□ QUANTITIES BASED ON TRENCH WIDTH = OD OF PIPE + 24 INCHES

STANDARD TRENCH BACKFILL AND BEDDING DETAIL STORM DRAIN PIPES
NO SCALE

DRAINAGE STRUCTURES LIST

DRAINAGE STRUCTURE NO.	ITEM DESCRIPTION	PLUG AND ABANDON PIPE (LF)	15" ADS N-12 PIPE (LF)	ADS STORM DRAIN MANHOLE (EA)	PREFAB SD JUNCTION STRUCTURE (EA)	CLASS 'A' PCC MINOR STRUCTURE (CY)	#4 STEEL REBAR (LB)
1	PLUG AND ABANDON 18" SD	30					
2	4' X 4' SD JUNCTION STRUCTURE				1		
3	15" ADS N-12 PIPE		184				
4	SDMH			1			
5	15" ADS N-12 PIPE		400				
6	COLLAR TO CONNECT PIPE TO SDMH					0.13	6.85
TOTALS		30	584	1	1	0.13	6.85

DESIGNED BY: MEP	ALPINE ROAD/ SNECKNER COURT STORM DRAIN IMPROVEMENTS	SCALE: AS NOTED
CHECKED BY: CL		DATE: DEC / 91
DRAWN BY: MEP		FILE NO.: 1/4326
R. L. SANS, DIRECTOR OF PUBLIC WORKS SAN MATEO COUNTY		805 VETERANS BLVD., SUITE 301 REDWOOD CITY, CALIFORNIA

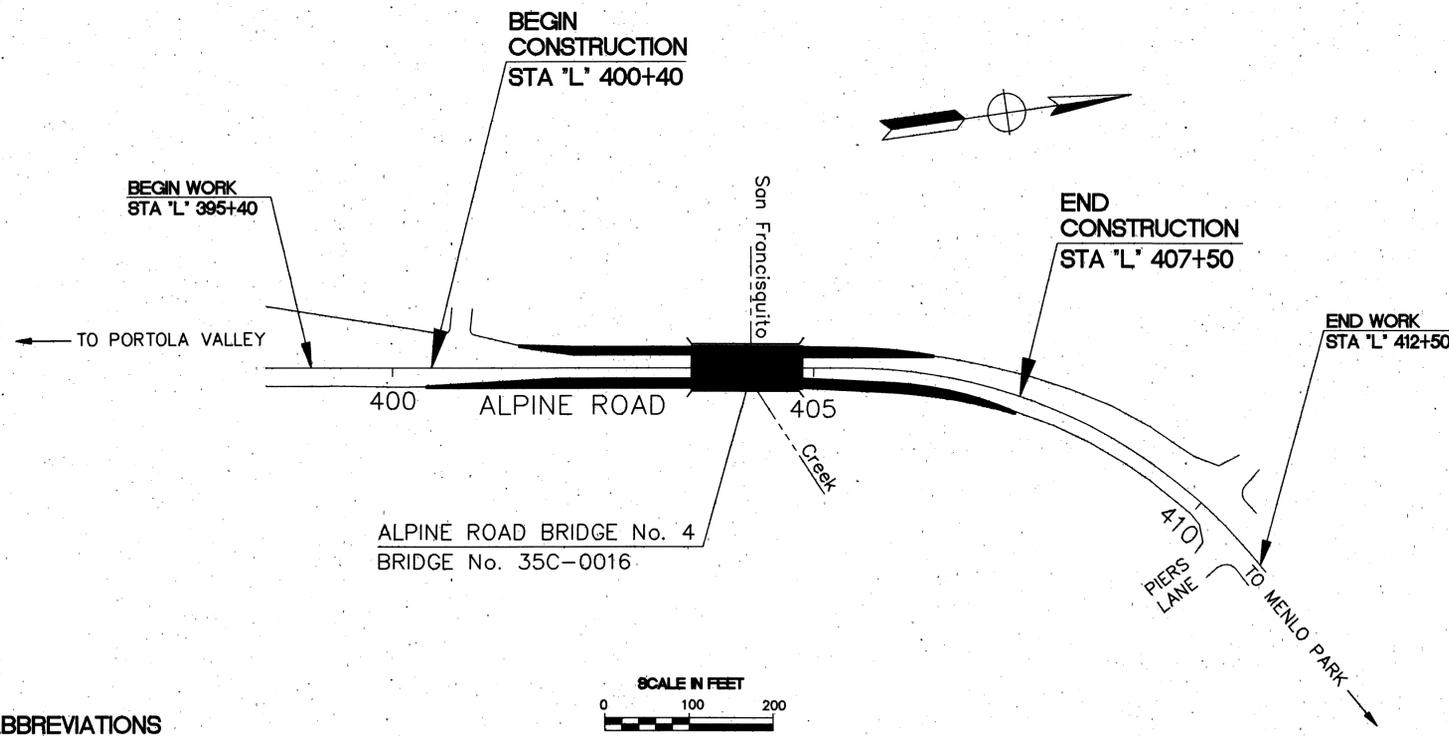
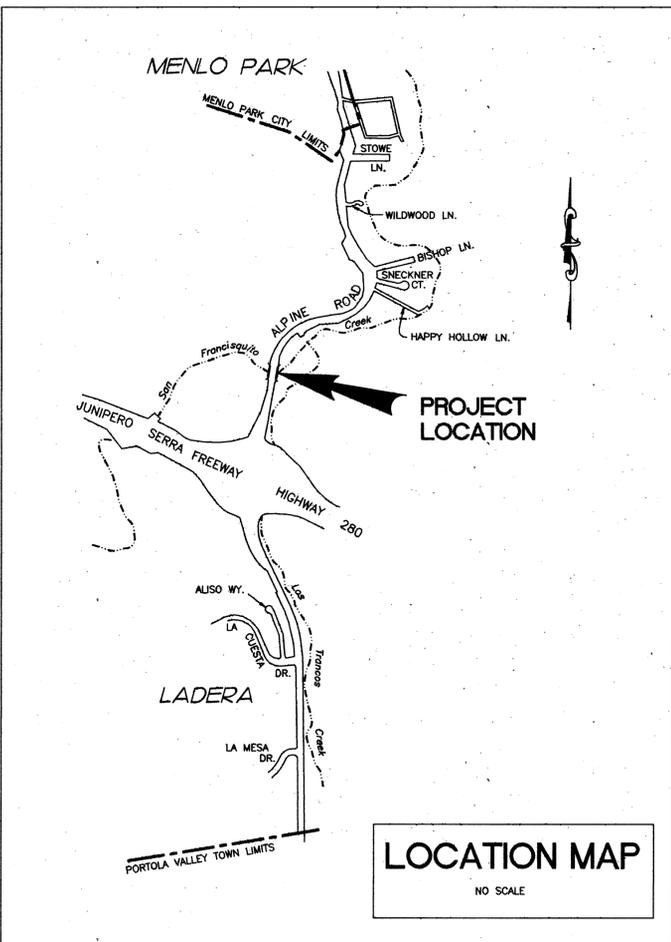
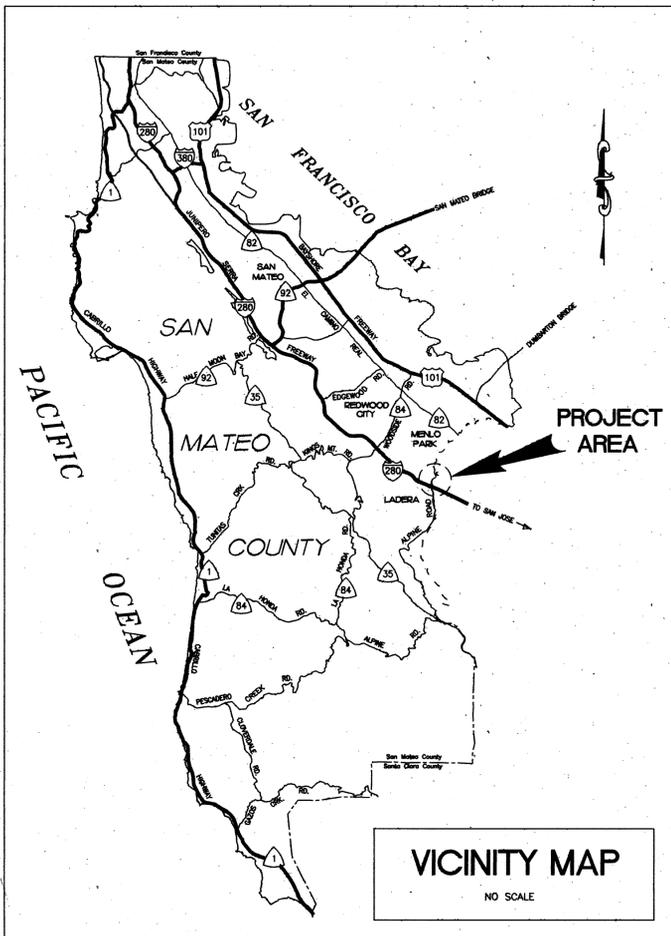
SAN MATEO COUNTY CALIFORNIA



APPROVED:
 DATE NOV. 10, 1994
 NEIL R. CULLEN - DIRECTOR OF PUBLIC WORKS
 R.C.E. # 19109 / EXPIRES 9/30/97

PLANS FOR THE REPLACEMENT OF COUNTY BRIDGE NO. 4 ON ALPINE ROAD AT SAN FRANCISQUITO CREEK IN THE MENLO PARK AREA

TO BE SUPPLEMENTED BY STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION STANDARD PLANS DATED JULY 1992 AND ADOPTED BY SAN MATEO COUNTY, AUGUST 18, 1992 BY RESOLUTION NO. 56421.



- ABBREVIATIONS**
- EP EDGE OF PAVEMENT
 - MBGR METAL BEAM GUARD RAILING
 - MON MONUMENT
 - OG ORIGINAL GROUND
 - RSP ROCK SLOPE PROTECTION
- (SEE STANDARD PLAN A10A FOR OTHER ABBREVIATIONS)

INDEX OF SHEETS:

Sheet No.	Description
1	TITLE SHEET
2	TYPICAL CROSS SECTION
3	LAYOUT & DRAINAGE
4-5	CONSTRUCTION DETAILS
6	UTILITY
7-8	STAGE CONSTRUCTION
9	PAVEMENT DELINEATION & SIGNING
10-12	SUMMARY OF QUANTITIES

STRUCTURE PLANS

13-21	ALPINE ROAD BRIDGE No. 4 BRIDGE No. 35C-0016
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- APPLICABLE CALTRANS STANDARD PLANS**
- A10A Abbreviations
 - A10B Symbols
 - A20A Pavement Markers and Traffic Lines, Typical Details
 - A20B Pavement Markers and Traffic Lines, Typical Details
 - A62A Excavation and Backfill-Miscellaneous Details
 - A62C Limits of Payment for Excavation and Backfill Bridge
 - A73A Markers
 - A73B Markers
 - A73C Channelizers
 - A77A Metal Beam Guard Railing
 - A77B Metal Guard Railing-Standard Hardware
 - A77C Metal Beam Guard Railing-Posts and Blocks
 - A77D Guard Rail Flares
 - A77F Metal Beam Guard Railing-Miscellaneous Details
 - A77G Guard Rail End Anchors (Breakaway)
 - A77H Guard Rail End Anchors (Breakaway Hardware)
 - A77I Barrier and Guard Rail End Anchors
 - A77J Guard Rail Connections to Bridge Rails, Retaining Walls and Abutments
 - A87 Curbs, Dikes and Driveways
 - D87B Overside Drains
 - T2 Temporary Crash Cushion-Sand Filled
 - T3 Temporary Railing (Type K)
 - B0-1 Bridge Details
 - B0-3 Bridge Details
 - B0-5 Bridge Details
 - B2-3 16" Cast-In-Drilled-Hole Concrete Pile
 - B6-21 Joint Seals (Maximum Movement Rating=2")
 - B11-51 Tubular Hand Railing
 - B11-54 Concrete Barrier Type 26
 - RS1 Roadside Signs Typical Installation Details No. 1

MARK THOMAS & CO. INC.
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David E. Ross
 REGISTERED CIVIL ENGINEER DATE 10/25/94

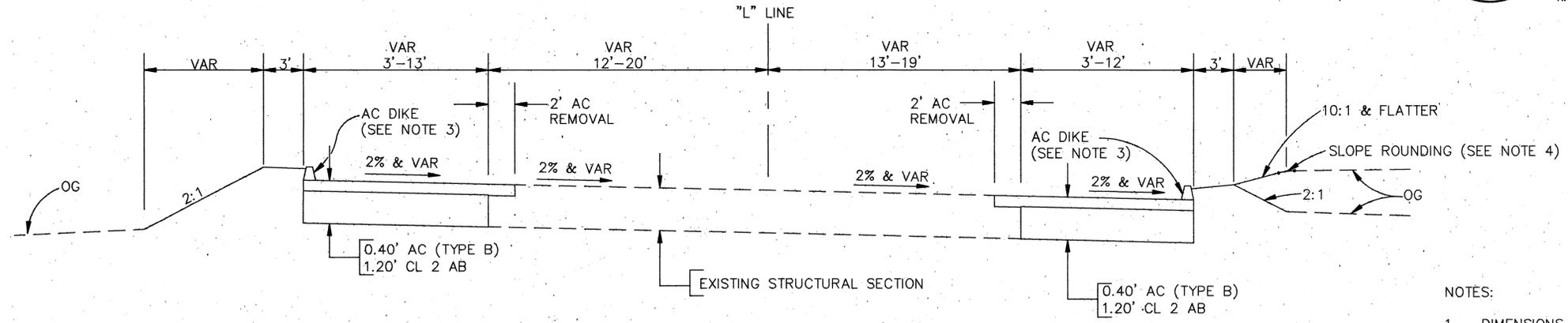


DESIGNED BY: CC	CHECKED BY: DER	DRAWN BY: CC
REVISION	DATE	

THE REPLACEMENT OF ALPINE ROAD BRIDGE NO. 4		SCALE: AS SHOWN
TITLE SHEET		DATE: 10/25/94
NEIL R. CULLEN, DIRECTOR OF PUBLIC WORKS SAN MATEO COUNTY		FILE No.: 1/4371
10 TWIN DOLPHIN DRIVE, SUITE C-200 REDWOOD CITY, CALIFORNIA		

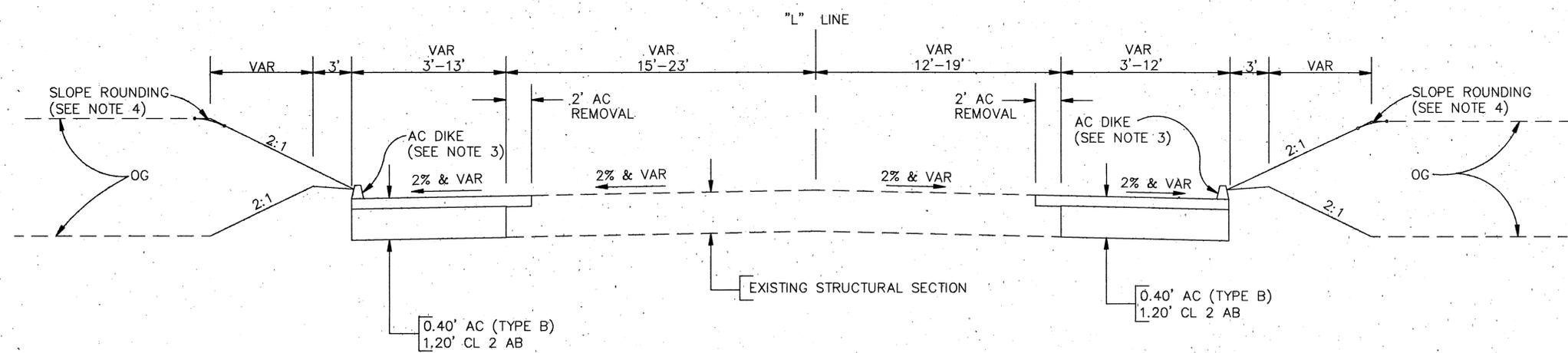


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STA "L" 405+00 to 407+50

- NOTES:
1. DIMENSIONS OF THE STRUCTURAL SECTION ARE SUBJECT TO TOLERANCES SPECIFIED IN THE STANDARD SPECIFICATIONS.
 2. SUPERELEVATION AS SHOWN IN CONSTRUCTION DETAILS OR AS DIRECTED BY THE ENGINEER.
 3. FOR LOCATION AND TYPE OF AC DIKE, SEE LAYOUT.
 4. SEE CONSTRUCTION DETAIL (SHEET 5) FOR SLOPE ROUNDING.
 5. SEE BRIDGE STRUCTURAL PLANS FOR DECK CROSS SECTION.



STA "L" 404+87 to 405+00
 STA "L" 400+40 to 403+54

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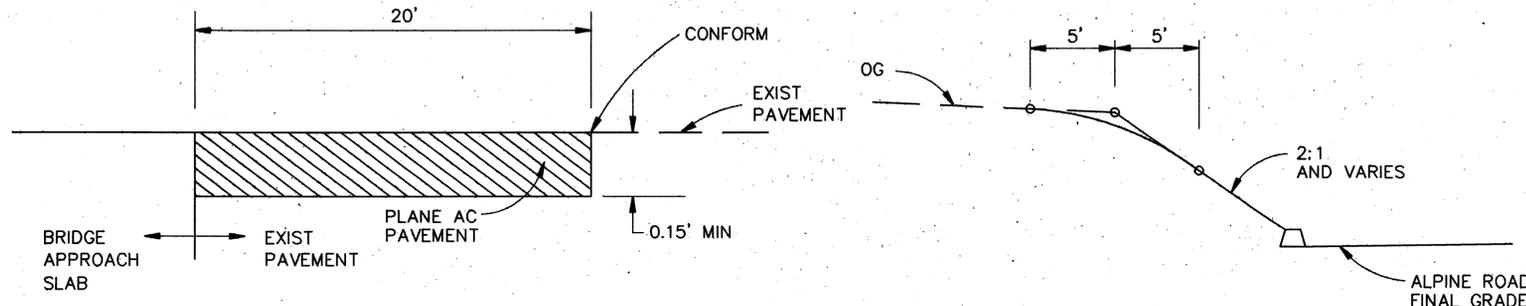


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CHECKED BY: DER		DATE: 10/25/94
DRAWN BY: CV		FILE No.: 1/4371
REVISION	DATE	NEIL R. CULLEN, DIRECTOR OF PUBLIC WORKS SAN MATEO COUNTY
		10 TWIN DOLPHIN DRIVE, SUITE C-200 REDWOOD CITY, CALIFORNIA

FOR REDUCED PLANS ORIGINAL SCALE IS IN INCHES

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LAST REVISION 00-00-00

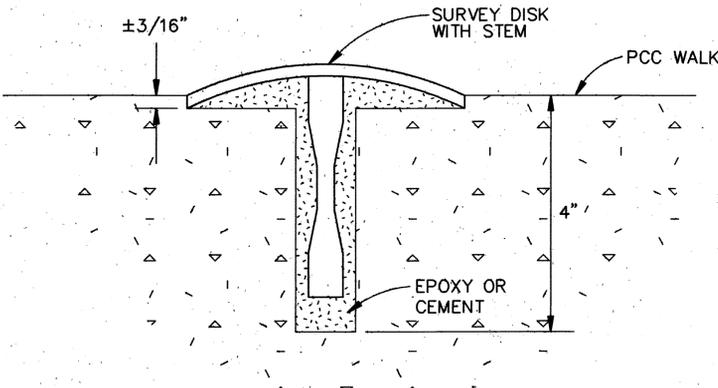


AT BRIDGE APPROACH SLAB

SLOPE ROUNDING DETAIL

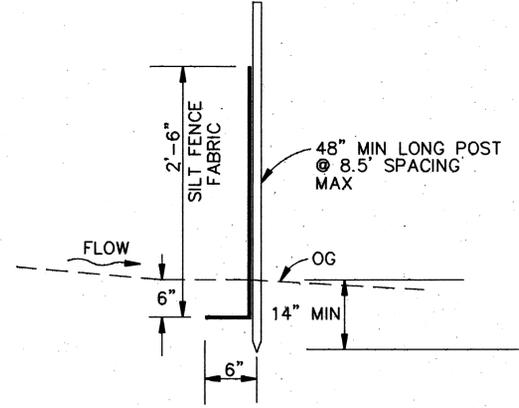
PLANE AC PAVEMENT DETAIL

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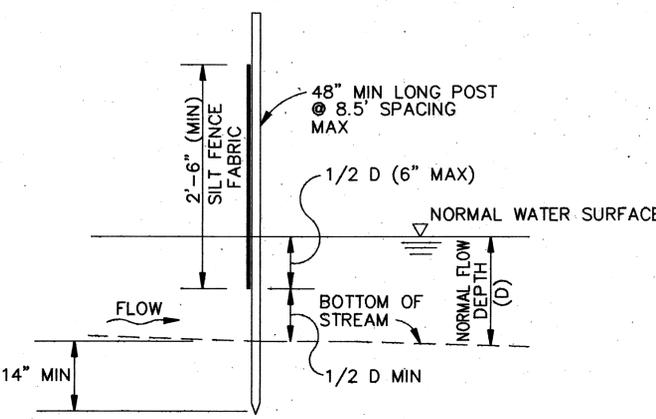
BENCH MARK DETAIL

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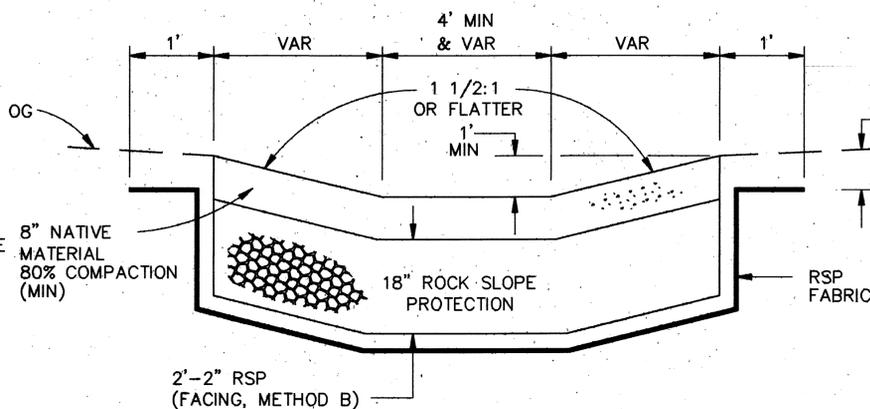
SILT FENCE (GROUND) DETAIL

NO SCALE



SILT FENCE (STREAM) DETAIL

NO SCALE



ROCK SLOPE PROTECTION DETAIL

NO SCALE

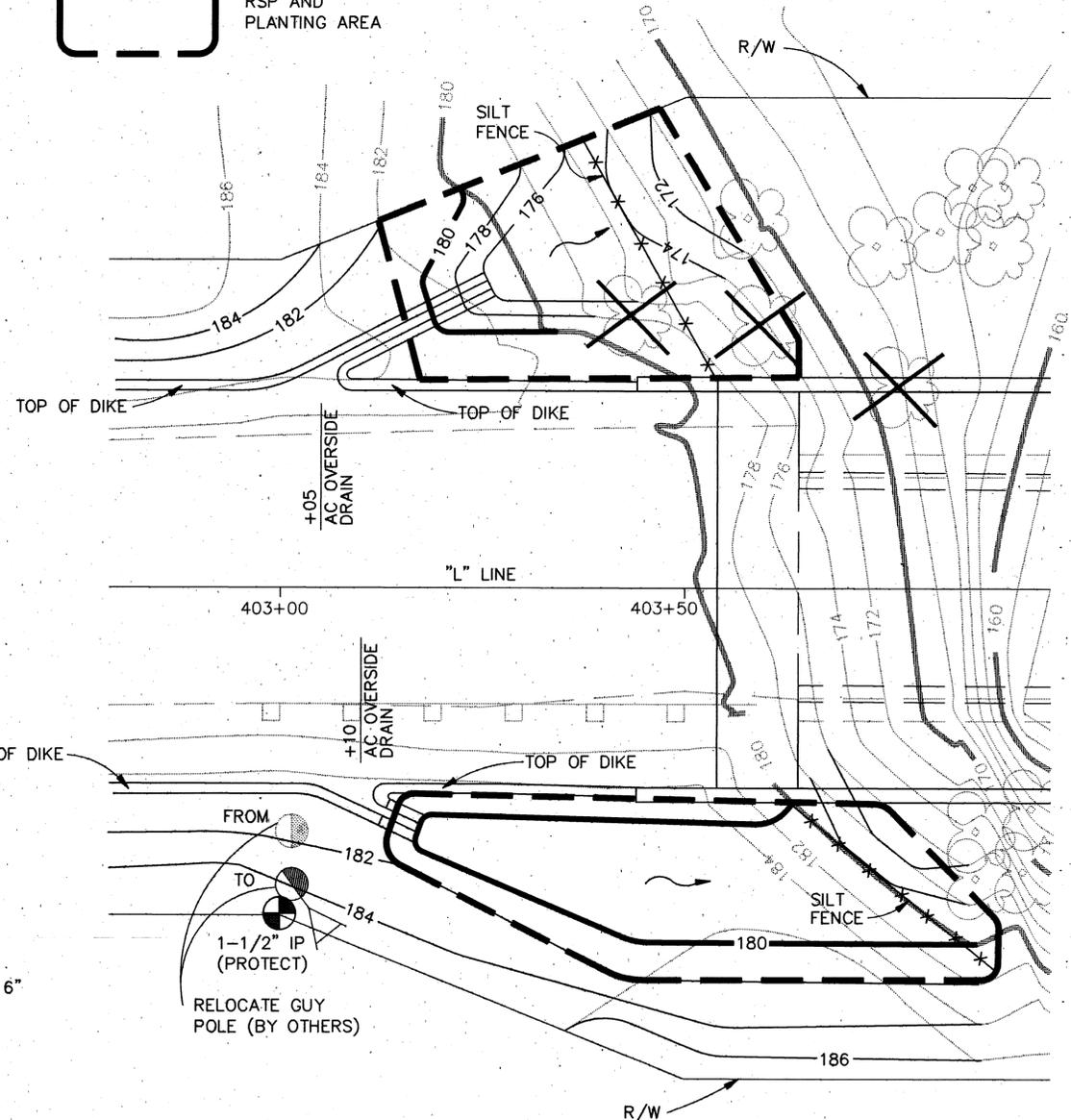
PLANTS AND PLANTING (BIOMITIGATION DATA)
PROPOSED TREES
 12 TREES - 5 GAL SALICACEAE (WILLOW)
 NOTE: TREES TO BE SPACED APPROXIMATELY
 4-5 FEET IN A NATURAL
 (RANDOM) PATTERN.



RSP AND PLANTING AREA



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ROCK SLOPE PROTECTION CONTOURS

SCALE: 1"=10'

ABBREVIATIONS

- OG ORIGINAL GROUND
- RSP ROCK SLOPE PROTECTION
- EP EDGE OF PAVEMENT
- (SEE STANDARD PLAN A10A FOR OTHER ABBREVIATIONS)

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David C. Ross
 REGISTERED CIVIL ENGINEER DATE: **10/25/94**



DESIGNED BY: CC	THE REPLACEMENT OF ALPINE ROAD BRIDGE NO. 4 CONSTRUCTION DETAIL C-2	SCALE: AS SHOWN
CHECKED BY: DR		DATE: 10/25/94
DRAWN BY: BC		FILE No.: 1/4371
REVISION	DATE	NEIL R. CULLEN, DIRECTOR OF PUBLIC WORKS SAN MATEO COUNTY
		10 TWIN DOLPHIN DRIVE, SUITE C-200 REDWOOD CITY, CALIFORNIA

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ALP_C2

SHEET 5 OF 21

100-00-00

THIS PLAN USED FOR UTILITIES ONLY.

LEGEND

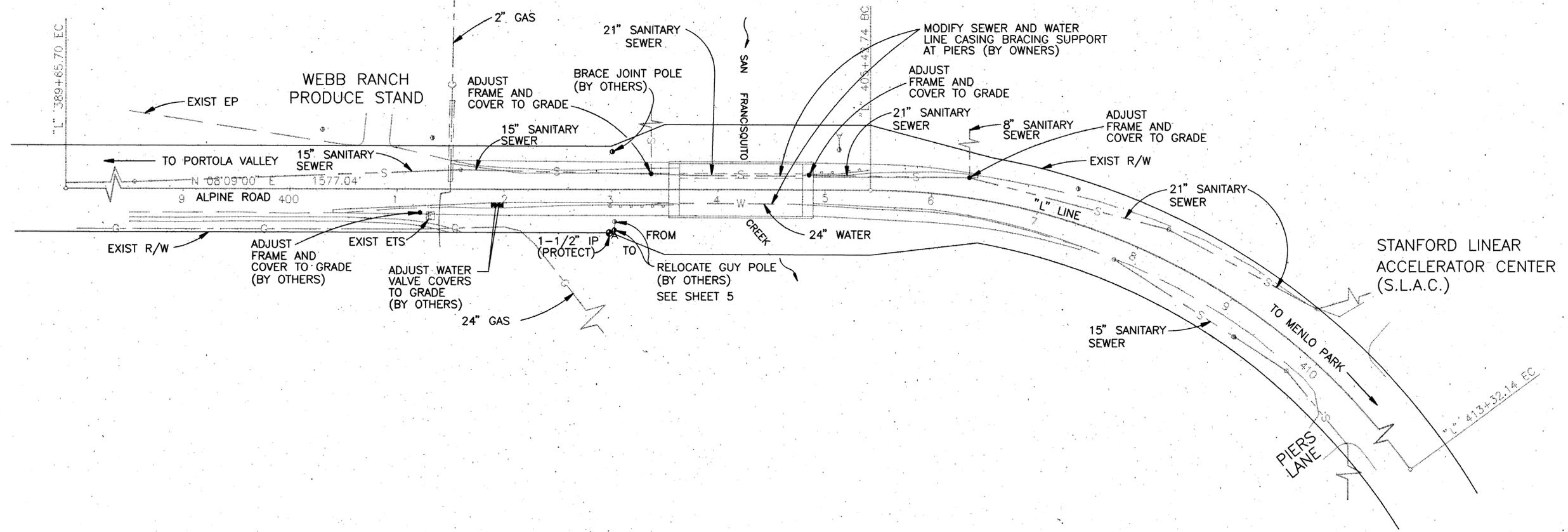
TYPE	LINE SYMBOL	OWNERSHIP
GAS LINE	— G —	PG&E
SANITARY SEWER LINE	— S —	WEST BAY SANITATION DISTRICT
WATER LINE	— W —	CALIFORNIA WATER SERVICE COMPANY
JOINTLY OWNED POLE	●	PG&E, PACBELL, WESTERN TV CABLE COMPANY
JOINT ANCHOR AND GUY WIRE	▲	PG&E, PACBELL, WESTERN TV CABLE COMPANY
PIPE CASING	— — —	PG&E, WEST BAY SANITATION DISTRICT
ELECTRO TESTING STATION (ETS)	□	PG&E
WATER VALVE	⊗	CALIFORNIA WATER SERVICE COMPANY
MONUMENT OR 1-1/2" IRON PIPE (PROTECT)	⊕	COUNTY OF SAN MATEO



APPROVED: *Neil R. Cullen*
 DATE: **NOV. 10, 1994**
 NEIL R. CULLEN - DIRECTOR OF PUBLIC WORKS
 R.C.E. # 19109 / EXPIRES 9/30/97



E 10,000
 N 12,000



E 10,500
 N 11,000

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 CONSULTING CIVIL ENGINEERS & MUNICIPAL PLANNERS
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David E. Ross
 REGISTERED CIVIL ENGINEER DATE 10/25/94



DESIGNED BY: CC	THE REPLACEMENT OF ALPINE ROAD BRIDGE NO. 4	SCALE: 1"=50'
CHECKED BY: DR		DATE: 10/25/94
DRAWN BY: BC		FILE No.: 1/4371
REVISION	DATE	NEIL R. CULLEN, DIRECTOR OF PUBLIC WORKS SAN MATEO COUNTY
		10 TWIN DOLPHIN DRIVE, SUITE C-200 REDWOOD CITY, CALIFORNIA

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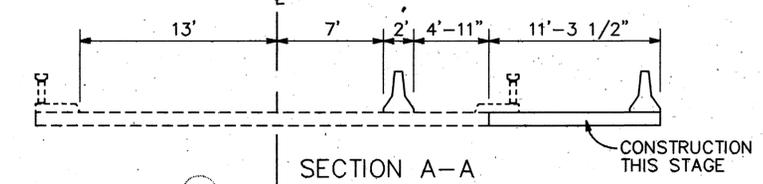
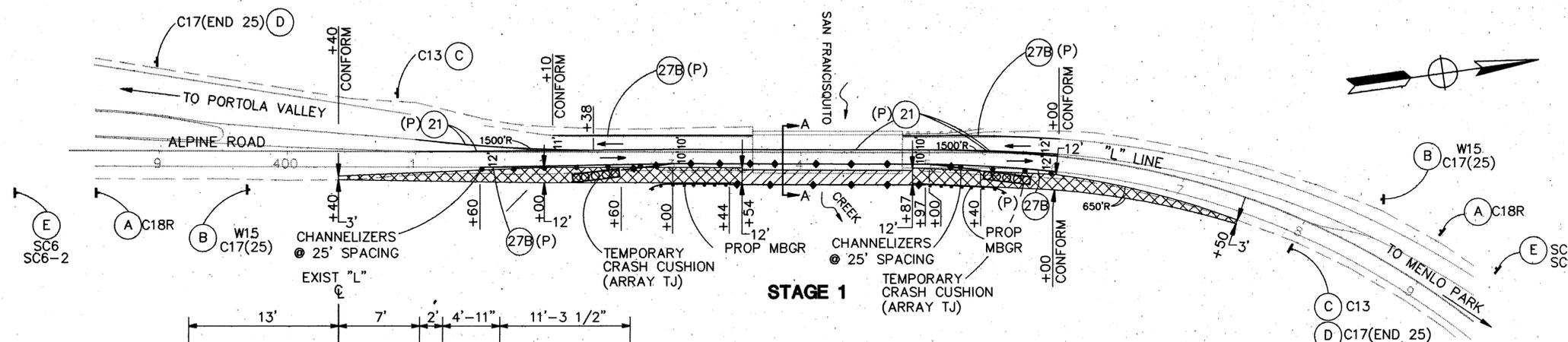
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SHEET 6 OF 21

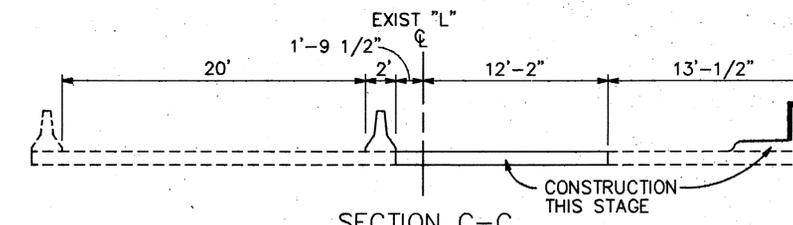
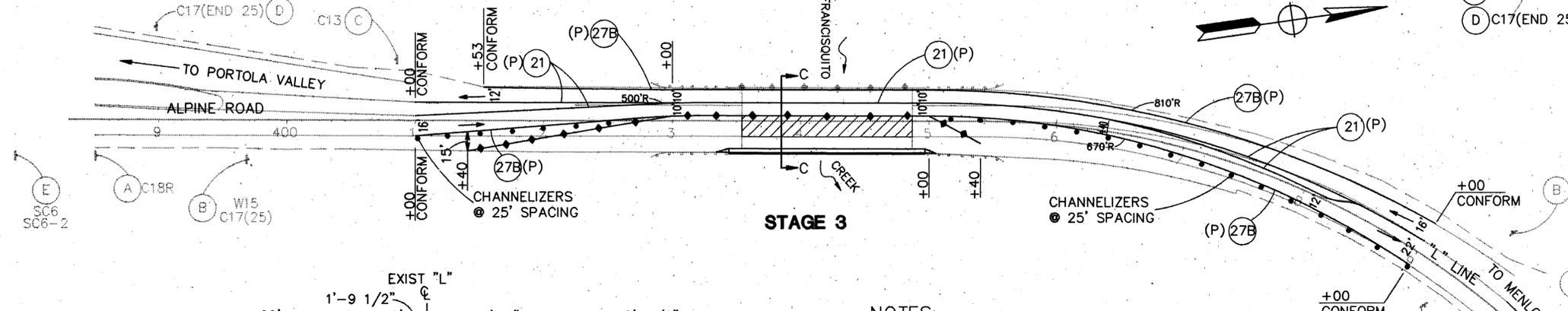
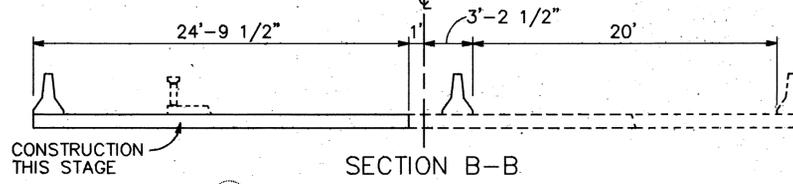
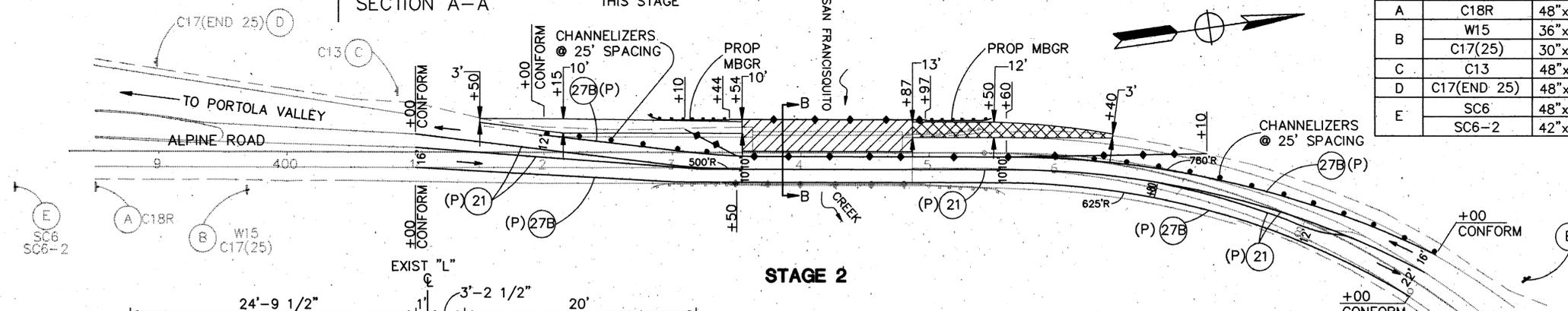
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CONSTRUCTION AREA SIGNS					
SIGN	CODE	PANEL SIZE	SIGN MESSAGE	POST	QUANTITY (EA)
				NO. SIZE	
A	C18R	48"x48"	ROAD & BRIDGE CONSTRUCTION AHEAD	1 4"x6"	2
B	W15	36"x36"	ROAD NARROWS	1 4"x6"	2
	C17(25)	30"x30"	25 MPH		
C	C13	48"x18"	END CONSTRUCTION	1 4"x4"	2
D	C17(END 25)	48"x18"	END 25 MPH	1 4"x4"	2
E	SC6	48"x60"	NOTICE ALPINE ROAD 30 MIN DELAYS	1 4"x6"	2
	SC6-2	42"x24"	WEEKENDS 1AM-5AM JULY 16 TO OCT 16		



NOTES:
 1. LOCATION OF CONSTRUCTION AREA SIGNS SHOWN ARE APPROXIMATE. EXACT LOCATIONS TO BE DETERMINED BY THE ENGINEER.

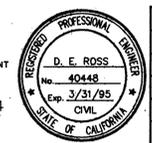
LEGEND

- (NO) TEMPORARY PAVEMENT DELINEATION DETAIL
- (P) TEMPORARY STRIPE (PAINT)
- CHANNELIZERS (SURFACE MOUNTED)
- DIRECTION OF TRAVEL
- ▨ BRIDGE CONSTRUCTION THIS STAGE
- ▩ PAVEMENT THIS STAGE
- (D) CONSTRUCTION AREA SIGN
- TEMPORARY RAILING (TYPE K)
- ▩▩▩▩ TEMPORARY CRASH CUSHION

THIS PLAN ACCURATE FOR TRAFFIC HANDLING ONLY

FOR REDUCED PLANS ORIGINAL SCALE IS IN INCHES

MARK THOMAS & CO. INC.
 CONSULTING CIVIL ENGINEERS & MUNICIPAL PLANNERS
 OFFICES IN SAN JOSE, CUPERTINO, SALINAS, SACRAMENTO & FREMONT
 David E. Ross
 REGISTERED CIVIL ENGINEER DATE 10/25/94

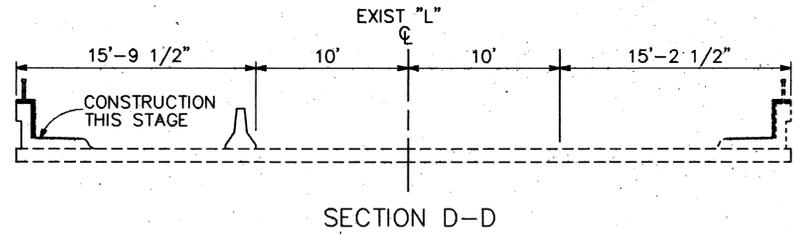
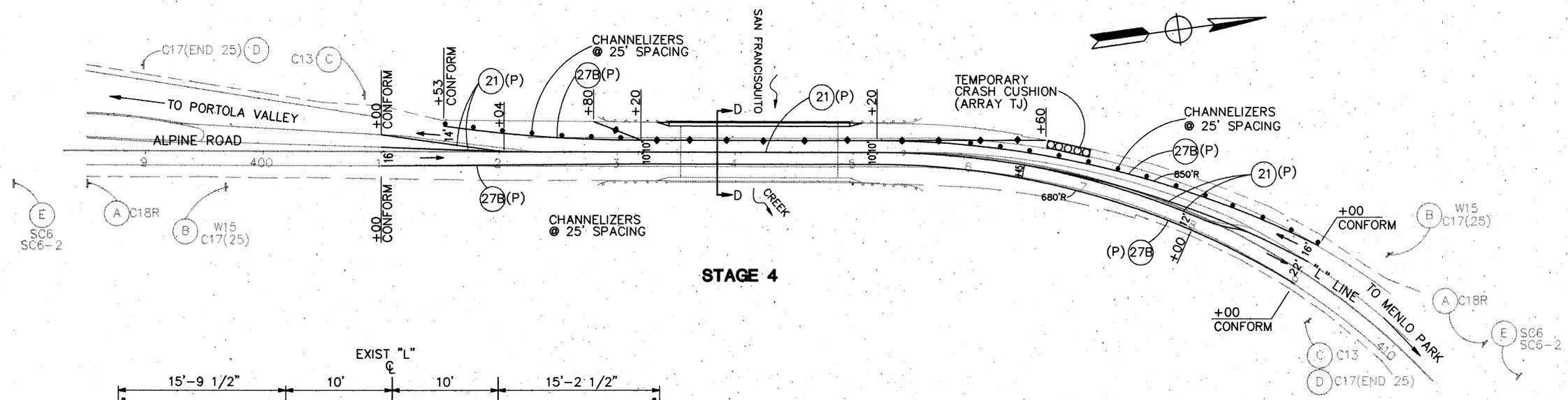


DESIGNED BY: CC	CHECKED BY: DER	DRAWN BY: CC
REVISION	DATE	

THE REPLACEMENT OF ALPINE ROAD BRIDGE NO. 4 STAGE CONSTRUCTION SC-1 TRAFFIC HANDLING
 SCALE: NONE
 DATE: 10/25/94
 FILE NO.: 1/4371
 NEIL R. CULLEN, DIRECTOR OF PUBLIC WORKS
 SAN MATEO COUNTY
 10 TWIN DOLPHIN DRIVE, SUITE C-200
 REDWOOD CITY, CALIFORNIA



APPROVED:
 DATE NOV. 10, 1994
 NEIL R. CULLEN - DIRECTOR OF PUBLIC WORKS
 R.C.E. # 19109 / EXPIRES 9/30/97



STAGE 4

THIS PLAN ACCURATE FOR TRAFFIC HANDLING ONLY
 FOR NOTES AND LEGEND SEE SHEET SC-1

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 OFFICES IN SAN JOSE, CUPERTINO, SALINAS, SACRAMENTO & FREMONT
 David E. Ross
 REGISTERED CIVIL ENGINEER DATE 10/25/94



DESIGNED BY: CC	CHECKED BY: DER	DRAWN BY: CC
REVISION	DATE	

THE REPLACEMENT OF ALPINE ROAD BRIDGE NO. 4 STAGE CONSTRUCTION SC-2 TRAFFIC HANDLING		SCALE: NONE DATE: 10/25/94 FILE No.: 1/4371
NEIL R. CULLEN, DIRECTOR OF PUBLIC WORKS SAN MATEO COUNTY		10 TWIN DOLPHIN DRIVE, SUITE C-200 REDWOOD CITY, CALIFORNIA

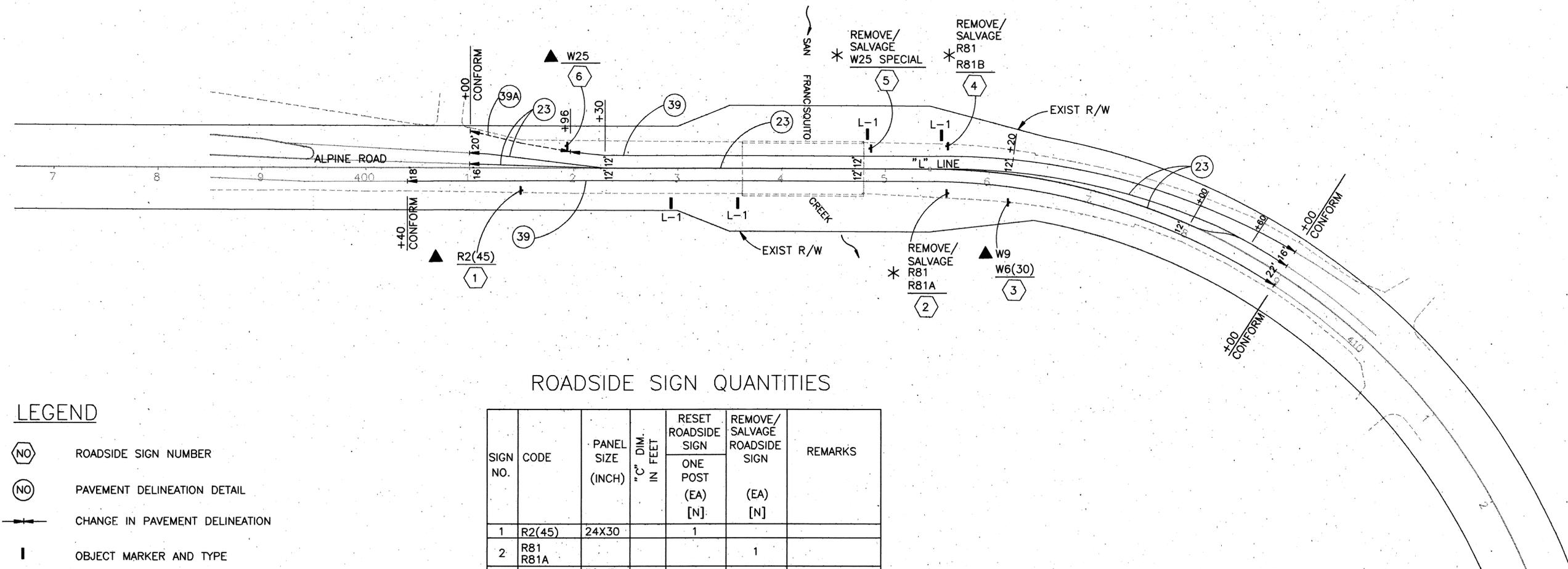
ALPNSC2

SHEET 8 OF 21

00-00-00
 LAST REVISION



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 DATE NOV. 10, 1994
 NEIL R. CULLEN - DIRECTOR OF PUBLIC WORKS
 R.C.E. # 19109 / EXPIRES 9/30/97



ROADSIDE SIGN QUANTITIES

LEGEND

- ROADSIDE SIGN NUMBER
- PAVEMENT DELINEATION DETAIL
- CHANGE IN PAVEMENT DELINEATION
- OBJECT MARKER AND TYPE
- SALVAGE EXISTING SIGN
- RESET ROADSIDE SIGN

NOTES

1. THIS PLAN ACCURATE FOR PAVEMENT DELINEATION AND SIGNING ONLY.
2. EXACT LOCATIONS AND POSITION OF ROADSIDE SIGNS SHALL BE DETERMINED BY THE ENGINEER.
3. SEE SHEET Q-3 FOR PAVEMENT DELINEATION QUANTITIES.
4. SALVAGED SIGNS SHALL BE STORED ONSITE UNTIL PICKED UP BY COUNTY.

SIGN NO.	CODE	PANEL SIZE (INCH)	"C" DIM. IN FEET	RESET ROADSIDE SIGN	REMOVE/SALVAGE ROADSIDE SIGN	REMARKS
				ONE POST (EA) [N]	(EA) [N]	
1	R2(45)	24X30		1		
2	R81 R81A				1	
3	W9 W6(30)	30X30 30X30	5	1		
4	R81 R81B				1	
5	W25 (SPECIAL)	36X36	6	1	1	"DIVIDED ROAD" SIGN
6	W25	36X36	6	1		

[N] NOT A SEPARATE PAY ITEM, FOR INFORMATION ONLY.

MARK THOMAS & CO. INC.
 CONSULTING CIVIL ENGINEERS & MUNICIPAL PLANNERS
 OFFICES IN SAN JOSE, CUPERTINO, SALINAS, SACRAMENTO & FREMONT
 10/25/94
 REGISTERED CIVIL ENGINEER DATE



DESIGNED BY: BC	THE REPLACEMENT OF ALPINE ROAD BRIDGE NO. 4 PAVEMENT DELINEATION & SIGNING	SCALE: 1"=50'
CHECKED BY: DER		DATE: 10/25/94
DRAWN BY: CV		FILE No.: 1/4371
REVISION	DATE	NEIL R. CULLEN, DIRECTOR OF PUBLIC WORKS SAN MATEO COUNTY
		10 TWIN DOLPHIN DRIVE, SUITE C-200 REDWOOD CITY, CALIFORNIA

FOR REDUCED PLANS ORIGINAL SCALE IS IN INCHES

ALPNPD

LAST REVISION: 00-00-00



APPROVED: *Neil R. Cullen*
 DATE: NOV. 1994
 NEIL R. CULLEN - DIRECTOR OF PUBLIC WORKS
 R.C.E. # 19109 / EXPIRES 9/30/97

ROADWAY ITEM QUANTITIES

LOCATION	ASPHALT CONCRETE (TYPE B)	AB (CLASS 2)
	TON	CY
L 400+40 To 403+54 Rt	127.9	149.7
L 401+50 To 403+54 Lt	80.7	95.4
L 404+87 To 407+50 Rt	95.2	109.5
L 404+87 To 406+20 Lt	66.0	78.0
L 403+34 To 403+54 (OVERLAY)	6.0	
L 404+87 To 405+07 (OVERLAY)	5.1	
L 403+34 To 403+54 Lt		2.6
L 403+34 To 403+54 Rt		2.6
L 404+87 To 405+07 Lt		2.6
L 404+87 To 405+07 Rt		2.6
FROM PLACE AC DIKE TABLE	15	
FROM AC (MISC AREA) TABLE	4	
FROM BRIDGE PLANS	8	
TOTAL	407.9	443.0

EARTHWORK SUMMARY

LOCATION	EXCAVATION	EMBANKMENT [N]	IMPORTED BORROW
ROADWAY			
L 400+40 To 403+70	1000	10	0
L 404+70 To 407+50	300	30	0
ROCK SLOPE PROTECTION			
L 403+05 To 403+64 Lt	85		
L 403+10 To 403+64 Rt	265		
TOTAL	1650	40	0

[N] NOT A SEPARATE PAY ITEM, FOR INFORMATION ONLY

PLACE ASPHALT CONCRETE (MISC AREA)

LOCATION	AREA	AC (TYPE B) [N]
	SQYD	TON
AC OVERSIDE DRAIN		
L 403+05 Lt	10	1
L 403+10 Rt	10	1
L 405+25 Lt	10	1
L 406+00 Rt	10	1
FROM BRIDGE PLANS	100	8
TOTAL	140	12

[N] NOT A SEPARATE PAY ITEM, FOR INFORMATION ONLY

OBJECT MARKER

LOCATION	TYPE	EA [N]
L 402+82 To 405+59	L-1	4
TOTAL		4

[N] NOT A SEPARATE PAY ITEM, FOR INFORMATION ONLY

PLACE AC DIKE

LOCATION	TYPE A	AC (TYPE B) [N]
	LF	TON
L 401+50 To 403+34 Lt	184	5
L 401+25 To 403+34 Rt	209	6
L 405+07 To 406+00 Rt	93	3
L 405+07 To 405+25 Lt	18	1
TOTAL	504	15

[N] NOT A SEPARATE PAY ITEM, FOR INFORMATION ONLY

TEMPORARY RAILING (TYPE K)

STAGE	LOCATION	LF [N]
1	L 402+60 To 405+40 Rt	280
	L 403+44 To 404+97 Rt	160
2	L 403+10 To 407+10	420
	L 403+44 To 404+97 Lt	160
3	L 401+40 To 405+40	420
4	L 402+80 To 406+60 Lt	380
TOTAL		1820

[N] NOT A SEPARATE PAY ITEM, FOR INFORMATION ONLY

TEMPORARY CRASH CUSHION MODULE

STAGE	LOCATION	EA [N]	ARRAY [N]
1	L 402+60 Rt	5	TJ
	L 405+40 Rt	5	TJ
4	L 406+60 Lt	5	TJ
TOTAL		15	

[N] NOT A SEPARATE PAY ITEM, FOR INFORMATION ONLY

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David E. Ross
 REGISTERED CIVIL ENGINEER DATE 10/25/94



DESIGNED BY: CC	THE REPLACEMENT OF ALPINE ROAD BRIDGE NO. 4 SUMMARY OF QUANTITIES Q-1	SCALE: NONE
CHECKED BY: DR		DATE: 10/25/94
DRAWN BY: CV		FILE NO.: 1/4371
REVISION	DATE	NEIL R. CULLEN, DIRECTOR OF PUBLIC WORKS SAN MATEO COUNTY 10 TWIN DOLPHIN DRIVE, SUITE C-200 REDWOOD CITY, CALIFORNIA

FOR REDUCED PLANS ORIGINAL SCALE IS IN INCHES 0 1 2 3

ALP_01

LAST REVISION 00-00-00



APPROVED:
 DATE: NOV. 10, 1994
 NEIL R. CULLEN - DIRECTOR OF PUBLIC WORKS
 R.C.E. # 19109 / EXPIRES 9/30/97

METAL BEAM GUARD RAILING

LOCATION	FLARE TYPE [N]	REMOVE MBGR [N]	MBGR (WOOD POST) LF	CABLE ANCHOR ASSEMBLY (BREAKAWAY)		TERMINAL SECTIONS		END SECTION	CONNECT TO STRUCTURE [N]
				TYPE A	TYPE B	TYPE B	TYPE C		
L 402+90 To 403+54 Rt		62.5							
L 404+87 To 405+50 Lt		62.5							
L 402+82 To 403+44 Rt	1		62.5	1	—	1	1	—	1
L 402+82 To 403+44 Lt	1		62.5	1	—	—	1	1	1
L 404+97 To 405+59 Rt	1		62.5	1	—	—	1	1	1
L 404+97 To 405+59 Lt	1		62.5	1	—	1	1	—	1
TOTAL		125.0	250.0	4		2	4	2	4

[N] NOT A SEPARATE PAY ITEM, FOR INFORMATION ONLY

REMOVE AC PAVEMENT

LOCATION	CY [N]
L 400+40 To 403+54 Rt	10
L 401+50 To 403+54 Lt	6
L 404+87 To 406+20 Lt	4
L 404+87 To 407+50 Rt	8
TOTAL	28

[N] NOT A SEPARATE PAY ITEM, FOR INFORMATION ONLY

PLANE AC PAVEMENT

LOCATION	SQYD
L 403+34 To 403+54	51
L 404+87 To 405+07	45
TOTAL	96

EROSION CONTROL (TYPE D)

ITEM DESCRIPTION	ACRE	TON [N]	LB [N]
FIBER	0.4		800
SEED	0.4		30
COMMERCIAL FERTILIZER	0.4		180
STRAW	0.4	0.8	
STABILIZING EMULSION	0.4		40

[N] NOT A SEPARATE PAY ITEM, FOR INFORMATION ONLY

SILT FENCE

LOCATION	LF [N]
L 403+37 55' Lt To 403+54 26' Lt	34
L 403+63 27' Rt To 403+88 47' Rt	34
L 404+35 60' Rt To 404+85 50' Rt	52
TOTAL	120

[N] NOT A SEPARATE PAY ITEM, FOR INFORMATION ONLY

PAVEMENT DELINEATION (STAGE CONSTRUCTION)

STAGE	DETAIL NO. OR ITEM	TEMPORARY TRAFFIC STRIPE (PAINT)
		LF [N]
1	21	735
	27B	715
2	21	1210
	27B	1500
3	21	1180
	27B	1450
4	21	1125
	27B	1550
TOTAL		9465

[N] NOT A SEPARATE PAY ITEM, FOR INFORMATION ONLY

CHANNELIZER (SURFACE MOUNTED)

STAGE	LOCATION	EA [N]
1	L 401+60 To 403+00	6
	L 405+00 To 406+00	4
2	L 402+00 To 403+50	6
	L 405+60 To 409+00	14
3	L 401+00 To 403+00	8
	L 405+00 To 409+00	16
4	L 401+53 To 403+20 Lt	7
	L 405+20 To 409+00 Lt	15
TOTAL		76

[N] NOT A SEPARATE PAY ITEM, FOR INFORMATION ONLY

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 REGISTERED CIVIL ENGINEER DATE 10/25/94



DESIGNED BY: CC	THE REPLACEMENT OF ALPINE ROAD BRIDGE NO. 4 SUMMARY OF QUANTITIES Q-2	SCALE: NONE
CHECKED BY: DR		DATE: 10/25/94
DRAWN BY: CV		FILE No.: 1/4371
REVISION	DATE	NEIL R. CULLEN, DIRECTOR OF PUBLIC WORKS SAN MATEO COUNTY 10 TWIN DOLPHIN DRIVE, SUITE C-200 REDWOOD CITY, CALIFORNIA

FOR REDUCED PLANS ORIGINAL SCALE IS IN INCHES 0 1 2 3

ALP_02



APPROVED:
 DATE NOV. 10, 1994
 NEIL R. CULLEN - DIRECTOR OF PUBLIC WORKS
 R.C.E. # 19109 / EXPIRES 9/30/97

PAVEMENT DELINEATION

LOCATION	PAINT TRAFFIC STRIPE (2-COAT)		PAVEMENT MARKER DETAIL 23		REMOVE [N]	
	39	39A	REFLECTIVE	NON-REFLECTIVE	PAINTED	
					TRAFFIC STRIPE	PAVEMENT MARKER
	6" (SOLID) WHITE	6" (BROKEN) WHITE	TYPE D	TYPE AY		
LF	LF	EA	EA	LF	EA	
L 400+40 To 409+00	860				687	
L 401+96 To 409+00	720				531	
L 401+00 To 409+00			70	340		340
L 401+00 To 402+30			12	60		60
L 405+42 To 408+60			28	140		140
L 401+00 To 401+96		96				
TOTAL	1580	96	110	540	1218	540

[N] NOT A SEPARATE PAY ITEM, FOR INFORMATION ONLY.

SURVEY MONUMENT

LOCATION	EA
L 403+70± 10' Lt±	1
TOTAL	1

ROCK SLOPE PROTECTION FABRIC

LOCATION	SQYD [N]
L 403+05 To 403+64 Lt	190
L 403+10 To 403+90 Rt	220
TOTAL	410

[N] NOT A SEPARATE PAY ITEM, FOR INFORMATION ONLY.

ROCK SLOPE PROTECTION

LOCATION	CY
L 403+05 To 403+64 Lt	72
L 403+10 To 403+90 Rt	78
TOTAL	150

MISCELLANEOUS CONCRETE CONSTRUCTION

LOCATION	PCC (CLASS A)	BAR REINFORCING STEEL [N]
	CY	LB
L 403+34 To 403+44 Lt	0.63	49
L 403+34 To 403+44 Rt	0.63	49
L 404+97 To 405+07 Lt	0.63	49
L 404+97 To 405+07 Rt	0.63	49
TOTAL	2.52	196

[N] NOT A SEPARATE PAY ITEM, FOR INFORMATION ONLY.

ADJUST SANITARY SEWER MANHOLE

LOCATION	EA
403+37 15'LT	1
404+85 14'LT	1
406+33 18'LT	1
TOTAL	3

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 David C. Ross
 REGISTERED CIVIL ENGINEER DATE 10/25/94



DESIGNED BY: CC	THE REPLACEMENT OF ALPINE ROAD BRIDGE NO. 4	SCALE: NONE
CHECKED BY: DR	SUMMARY OF QUANTITIES Q-3	DATE: 10/25/94
DRAWN BY: CV		FILE No.: 1/4371
REVISION	DATE	NEIL R. CULLEN, DIRECTOR OF PUBLIC WORKS SAN MATEO COUNTY
		10 TWIN DOLPHIN DRIVE, SUITE C-200 REDWOOD CITY, CALIFORNIA

FOR REDUCED PLANS ORIGINAL SCALE IS IN INCHES

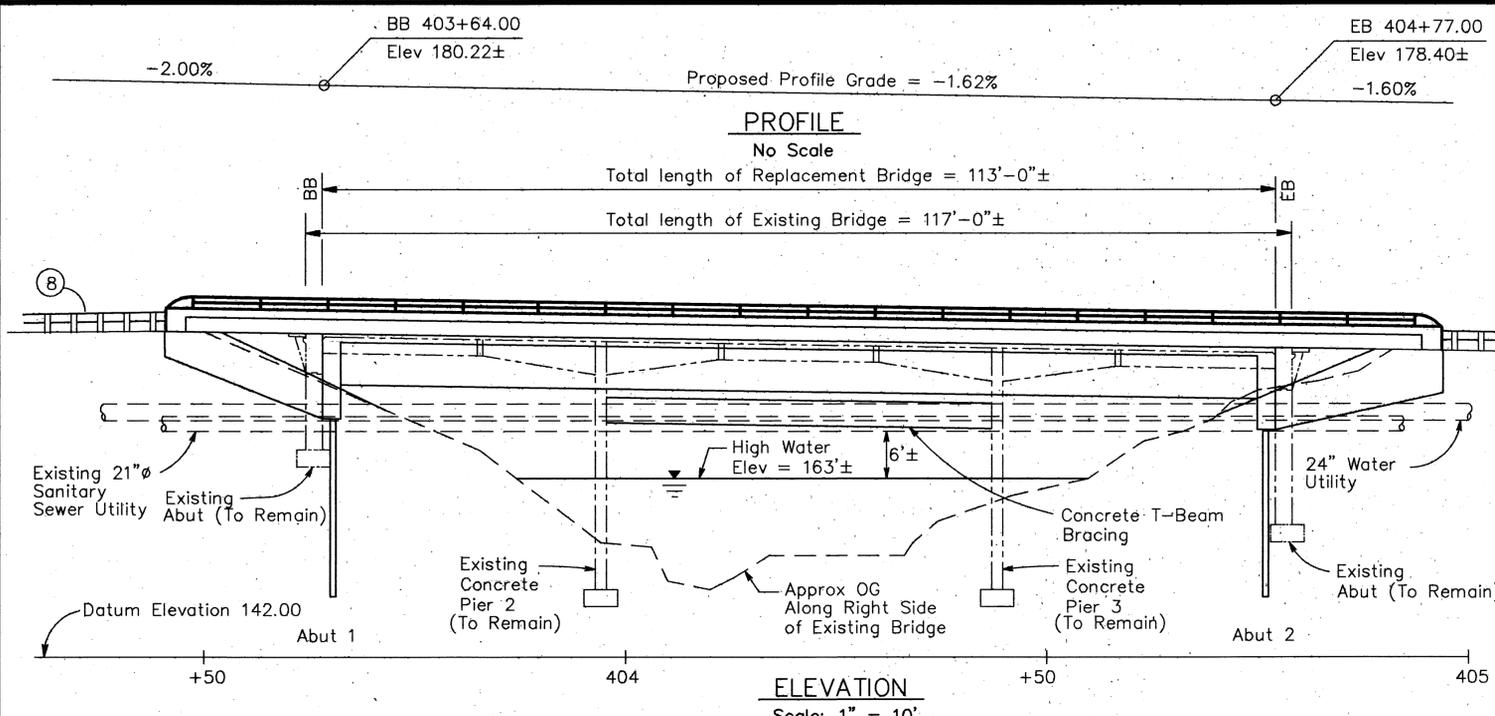


ALP_03

LAST REVISION 00-00-00



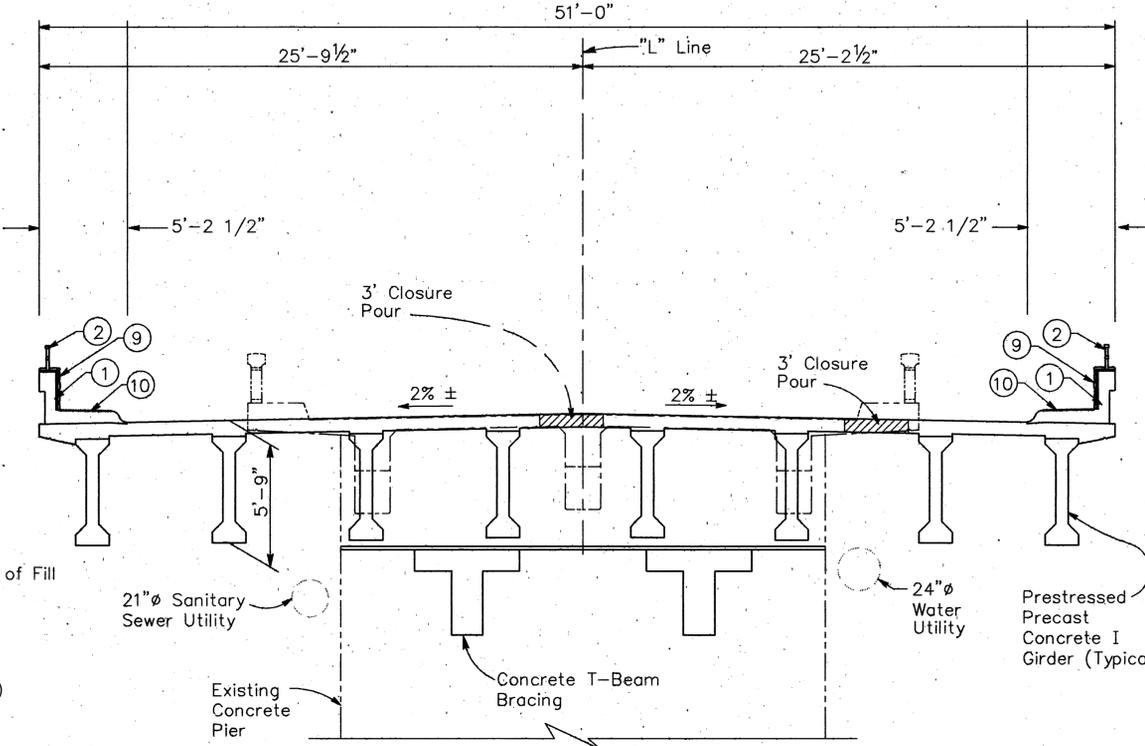
APPROVED: *[Signature]*
 DATE: NOV. 10, 1994
 NEIL R. CULLEN, DIRECTOR OF PUBLIC WORKS
 R.C.E. # 19109 / EXPIRES 9/30/97



QUANTITIES

1 LS	Erect Precast Prestressed Girder	8 EA
99 CY	Refinish Bridge Deck	123 SF
51 CY	Joint Seal (Type A-MR=1/2")	102 LF
451 LF	Bar Reinforcing Steel, Bridge (F)	64672 LBS
286 CY	Tubular Hand Railing (F)	306 LF
26 CY	Concrete Barrier (Type 26 Modified) (F)	306 LF
8 EA	Place Asphalt Concrete Transition	25 SQYD
1065 SF	Grind P.C.C. Pavement (N)	30 SQYD
	Exposed Aggregate (N)	987 SF

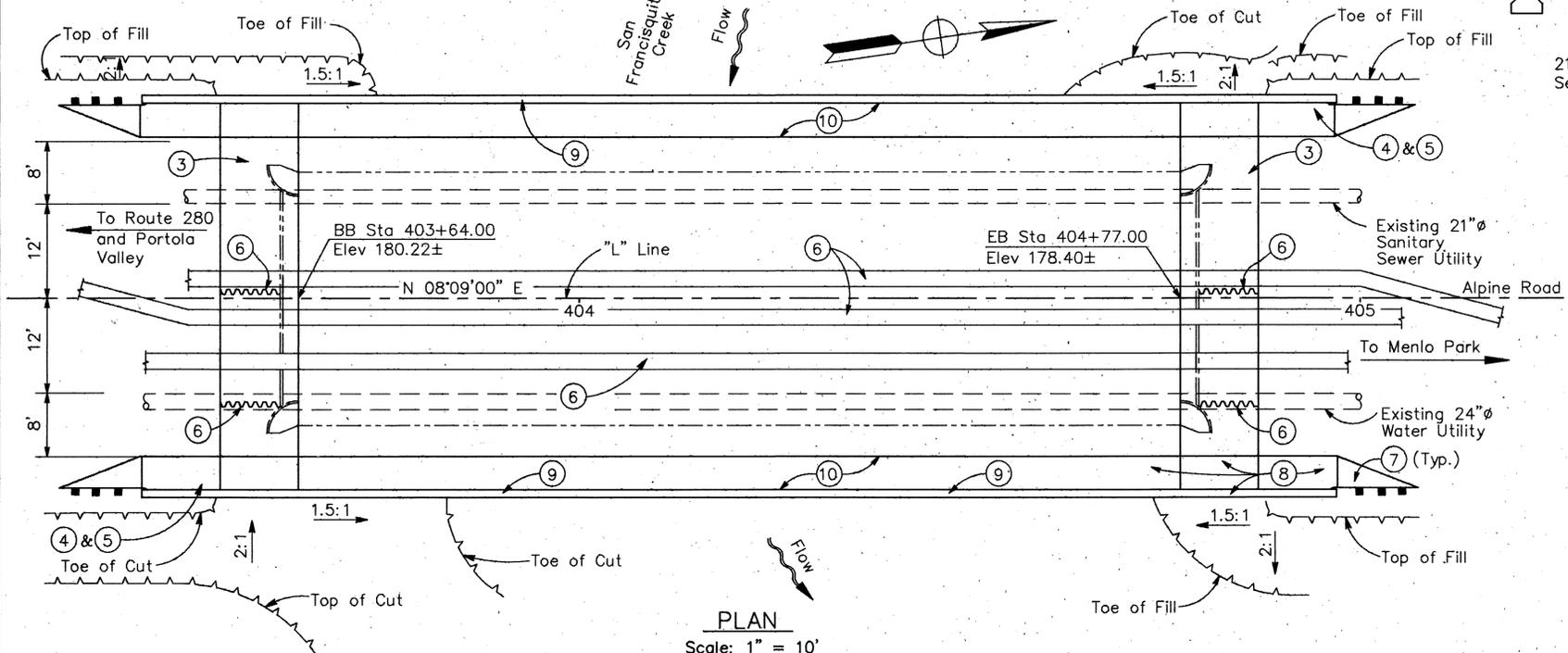
Bridge Removal (Portions)
 Structure Excavation (Bridge) (F)
 Structure Backfill (Bridge) (F)
 16" CIDH Concrete Piling
 Structural Concrete, Bridge (F)
 Structural Concrete, Approach Slab (Type R)
 Furnish Precast Prestressed Girder (110'-120')
 Stone Veneer Architectural Treatment
 (F) Final pay quantity
 (N) Not a separate pay item, for information only



*** PILE DATA - *CIDH CONCRETE PILES**

LOCATION	DIAMETER	DESIGN LOADING (SERVICE LOAD)	SPECIFIED TIP ELEVATION
Abutment 1	16"	70 Tons	148
Abutment 2	16"	70 Tons	146

*CIDH: Cast-In-Drilled-Hole



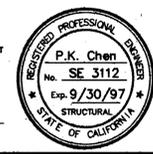
- NOTES**
- Concrete Barrier (Type 26 Modified)
 - Tubular Hand Railing
 - Structure Approach, Type R(10D)
 - Paint "Alpine Road Bridge No.4"
 - Paint Bridge No. 35C-0016 & Year Complete
 - Temporary Shoring as Required Between Stages
 - Metal Beam Guard Rail (See Sheet 3 of 21)
 - Colored Concrete
 - Stone Veneer Architectural Treatment
 - Exposed Aggregate Finish

INDEX TO STRUCTURAL PLANS

SHEET NO.	TITLE
12	General Plan
13	Foundation Plan
14	Abutment Layout
15	Abutment Details
16	Stage Construction/Typical Section
17	Prestressed I-Girders
18	Pier Bracing System
19	Structure Approach, Type R(10D)
20	Log of Test Boring
	Standard Plan Sheet No.

LOAD FACTOR DESIGN	LIVE LOADING: HS20-44 AND ALTERNATIVE AND PERMIT DESIGN LOAD	H. Ahmed Project Engineer
LAYOUT	BY H. Ahmed CHECKED P. Chen	
SPECIFICATIONS	BY H. Ahmed PLANS AND SPECS COMPARED G. Inenaga	

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Po-Hany Chen
 REGISTERED STRUCTURAL ENGINEER



REVISION	DATE	DESIGNED BY: HA	ALPINE ROAD BRIDGE NO. 4 (REPLACE)	SCALE: AS NOTED
		CHECKED BY: MW		DATE: 10/25/94
		DRAWN BY: JD/TW		FILE NO.: 1/4371
SHEET NO. 13 OF 21	NEIL R. CULLEN, DIRECTOR OF PUBLIC WORKS SAN MATEO COUNTY.		GENERAL PLAN	10 TWIN DOLPHIN DRIVE, SUITE C-200 REDWOOD CITY, CALIFORNIA

Standard Plans Dated July, 1992

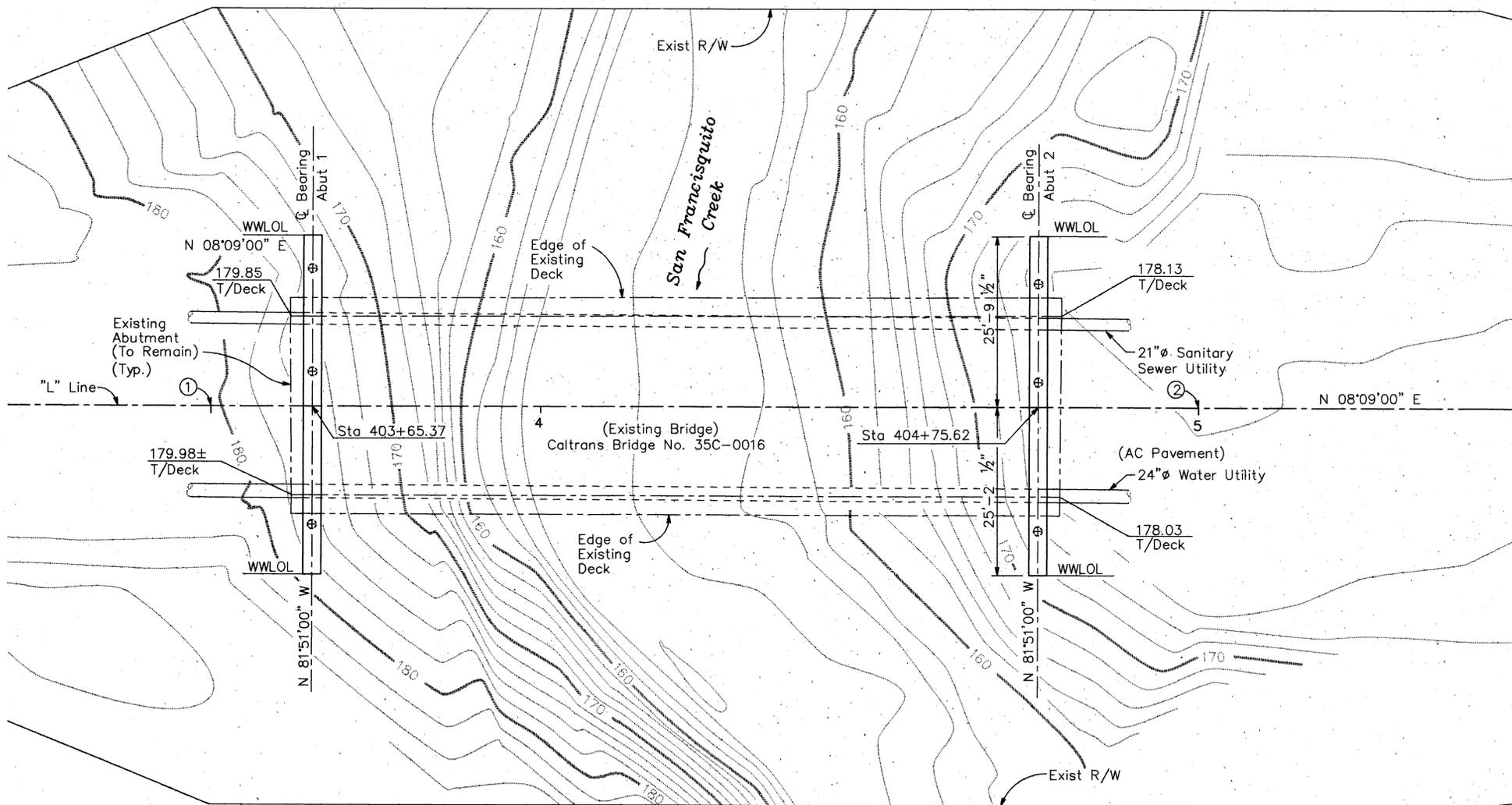
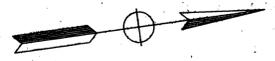
- A10A Abbreviations
- A10B Symbols
- A62C Limits of Payment for Excavation and Backfill Bridge
- B0-1 Bridge Details
- B0-3 Bridge Details
- B0-5 Bridge Details
- B2-3 Cast-In-Drilled-Hole Concrete Pile
- B6-21 Joint Seals (Maximum Movement Rating = 2")
- B11-51 Tubular Hand Railing
- B11-54 Concrete Barrier Type 26

Abbreviations

WWLOL Wingwall Layout Line



APPROVED: _____
 DATE: NOV. 10, 1994
 NEIL R. CULLEN, DIRECTOR OF PUBLIC WORKS
 R.C.E. # 19109 / EXPIRES 9/30/97



BENCH MARK

U.S.C & G. Brass Disk N875 (1954)
 Set in the Roadway of Alpine Road
 Station 403+53.30, 14.40' LT
 Elev = 180.77 (1967)

GENERAL NOTES
 LOAD FACTOR DESIGN

- DESIGN: Bridge Design Specifications (1983 AASHTO with Interims and Revisions by CALTRANS)
- DEAD LOAD: Includes 35 PSF for Future Wearing Surface.
- LIVE LOADING: HS20-44 and Alternative and Permit Design Load.
- SEISMIC LOADING: Peak Rock Acceleration = 0.6 g
 Depth of Alluvium = 10-80 ft
- REINFORCED CONCRETE: Fy = 60,000 psi
 Fc = 3,250 psi (Unless Otherwise Noted)
 n = 9
 Transverse Deck Slabs (Working Stress Design)
 Fs = 20,000 psi
 Fc = 1,200 psi
 n = 10

NOTES

⊕ Denotes Piles - not all piles are shown (See Sheet 15 of 21)

178.03 Existing Deck Elevation
 T/Deck

LAYOUT POINT

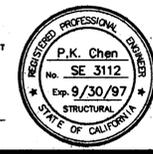
	North	East
① Sta. 403+50	11,370.319	10,196.245
② Sta. 405+00	11,518.804	10,217.510

Coordinates - Project Specific (Not State Plane)

PLAN
 Scale: 1"=10'

APPROVAL DATE
 GEOTECHNICAL PROFESSIONAL

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DESIGN OVERSIGHT	PHOTOGRAMMETRY AS OF:	DRAWN	By J. Doty	H. Ahmed Project Engineer
SIGN OFF DATE	SURVEYED	TRACED	By C. Cecilio	
	FIELD CHECKED	CHECKED	By M. Weibrenner	

ORIGINAL SCALE IS IN INCHES
 FOR REDUCED PLANS



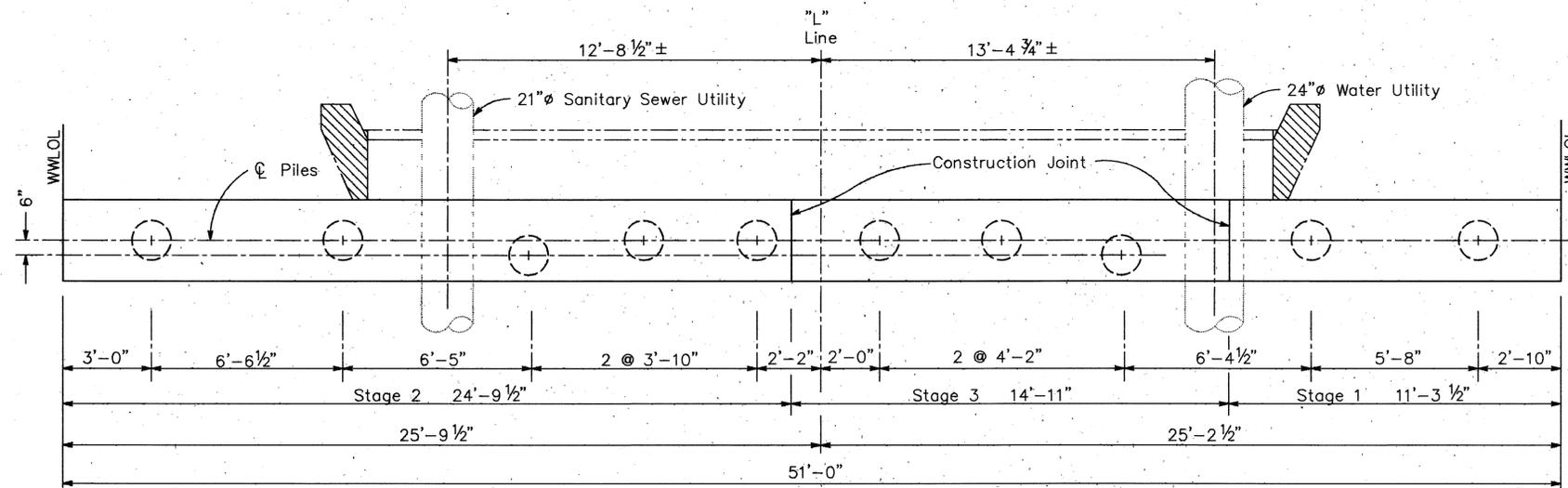
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		CHECKED BY: PC		DATE: 10/25/94
		DRAWN BY: JD		FILE No: 1/4371
SHEET NO. 14 OF 21	NEIL R. CULLEN, DIRECTOR OF PUBLIC WORKS SAN MATEO COUNTY		10 TWIN DOLPHIN DRIVE, SUITE C-200 REDWOOD CITY, CALIFORNIA	

Po-Kang Chen
 REGISTERED STRUCTURAL ENGINEER

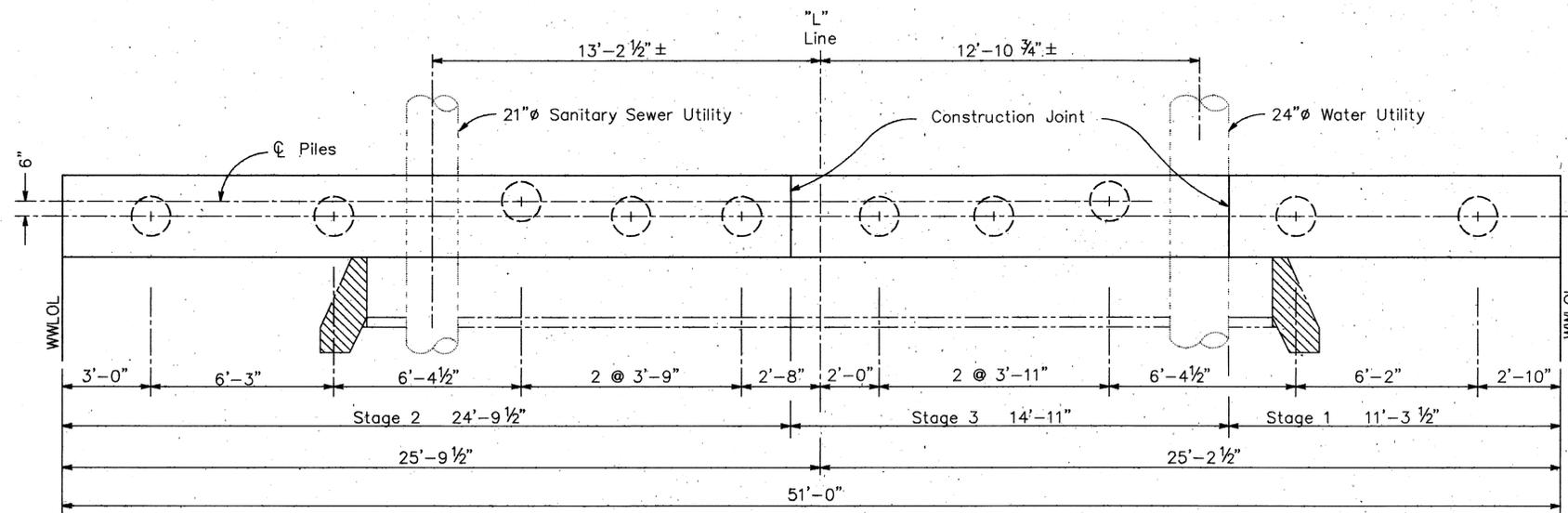
ALPINE ROAD



APPROVED:
 DATE NOV. 10, 1994
 NEIL R. CULLEN - DIRECTOR OF PUBLIC WORKS
 R.C.E. # 19109 / EXPIRES 9/30/97

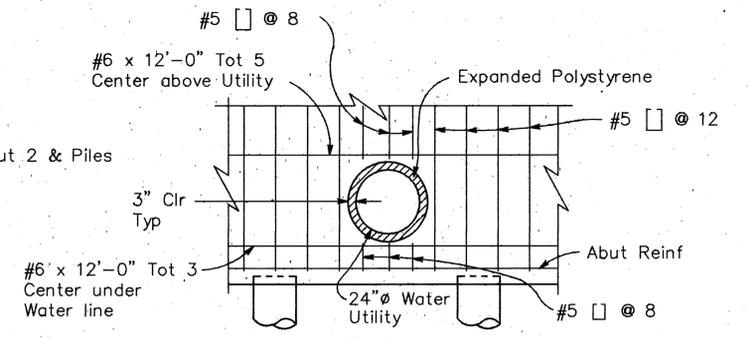


PILE LAYOUT
 ABUTMENT 2
 Scale: 1" = 3/8"

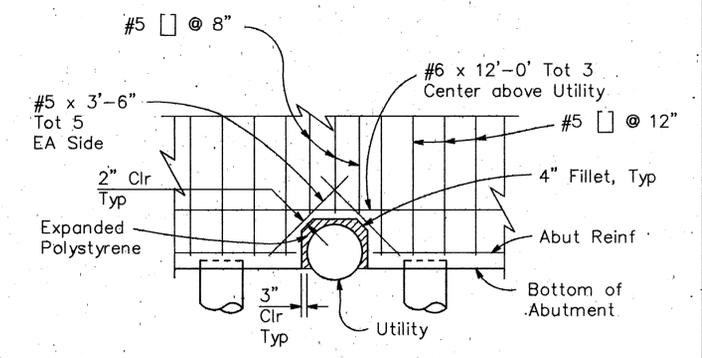


PILE LAYOUT
 ABUTMENT 1
 Scale: 1" = 3/8"

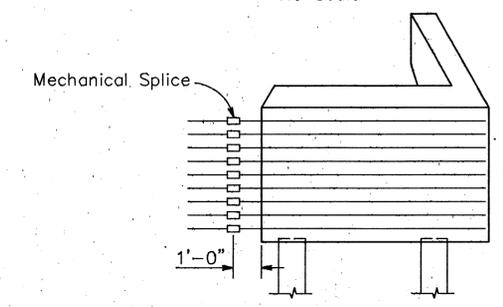
LEGEND
 Indicates Limits of Concrete Removal
 --- Existing Structure



DETAIL FOR WATER UTILITY
 THROUGH ABUTMENT 2
 No Scale.



DETAIL FOR WATER UTILITY OR
 SANITARY SEWER UTILITY THROUGH
 ABUTMENTS 1 AND 2
 No Scale



ABUTMENT REBAR
 SPLICE DETAIL
 No Scale

DESIGN	By H. Ahmed	Checked M. Weibrenner	H. Ahmed Project Engineer
DETAILS	By J. Doty	Checked P. Chen	
QUANTITIES	By F. Quach	Checked T. Walker	

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 P.O. Henry Chen
 REGISTERED STRUCTURAL ENGINEER



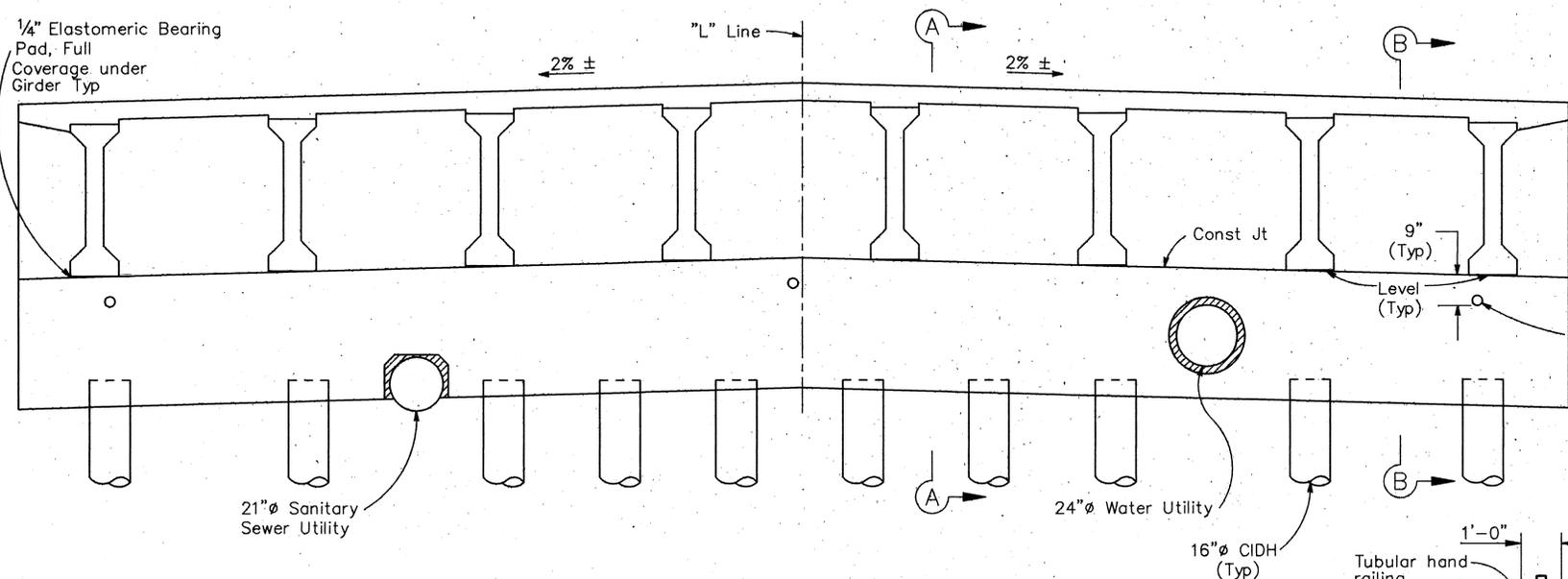
REVISION	DATE	ALPINE ROAD BRIDGE NO. 4 (REPLACE)	SCALE: AS NOTED
			DATE: 10/25/94
SHEET NO. 15 OF 21		ABUTMENT LAYOUT	FILE No.: I/4371
NEIL R. CULLEN, DIRECTOR OF PUBLIC WORKS SAN MATEO COUNTY		10 TWIN DOLPHIN DRIVE, SUITE C-200 REDWOOD CITY, CALIFORNIA	

ORIGINAL SCALE IS IN INCHES
 FOR REDUCED PLANS

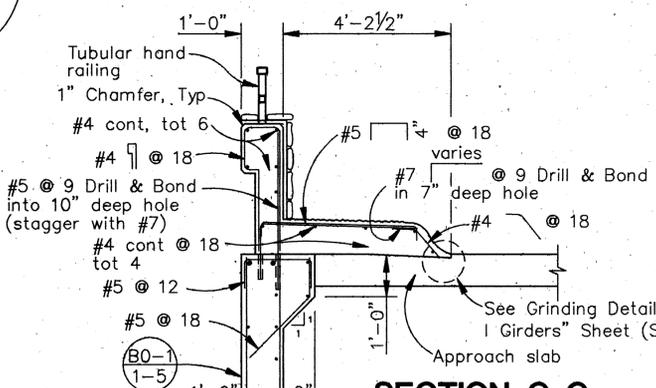
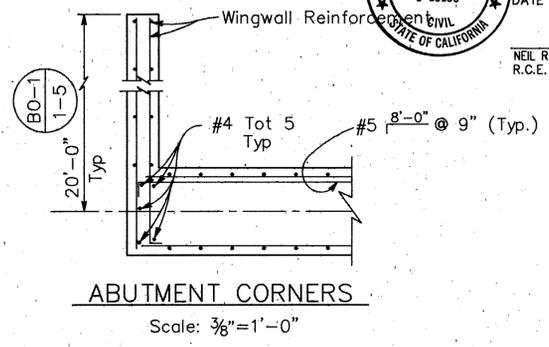
ALPAL



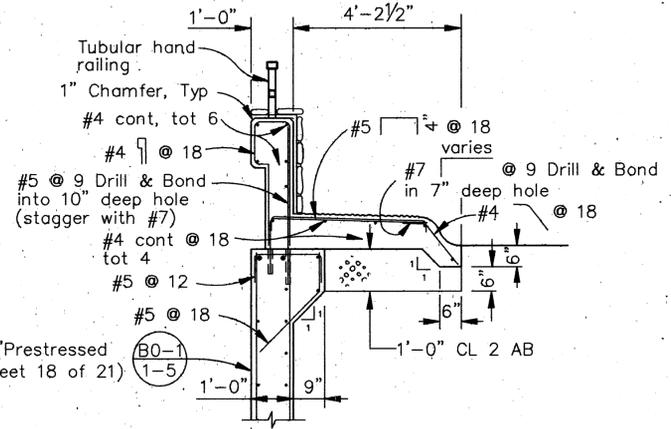
APPROVED: *Neil R. Cullen*
 DATE NOV. 10, 1994
 NEIL R. CULLEN - DIRECTOR OF PUBLIC WORKS
 R.C.E. # 19109 / EXPIRES 9/30/97



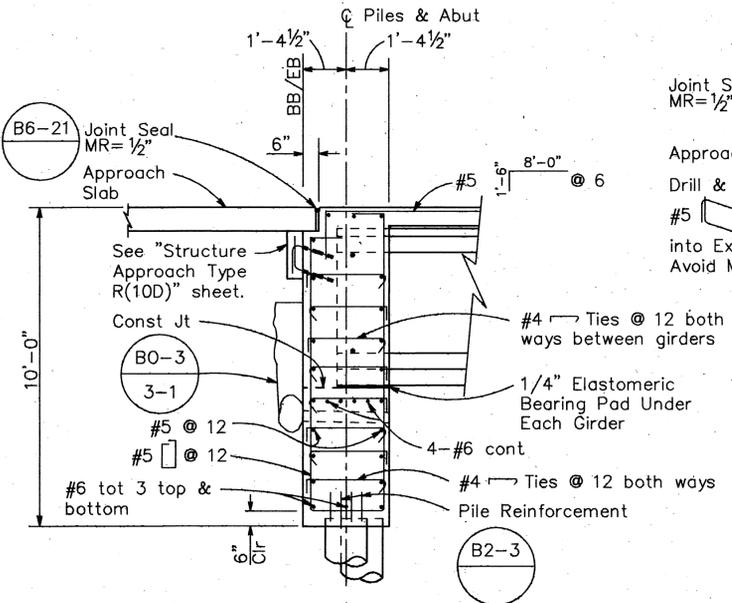
FRONT ELEVATION ABUTMENT 2
 Scale: 3/8" = 1'-0"
 Abutment 1 Similar
 For Pile tip elevation, see Sheet 12 of 20



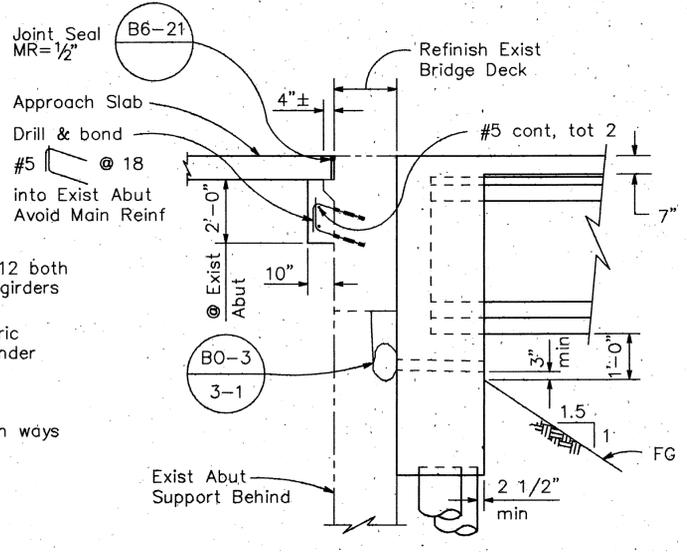
SECTION C-C
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 For Approach Slab Details, See "Structure Approach Type R(10D)" sheet. (Sheet 20 of 21)



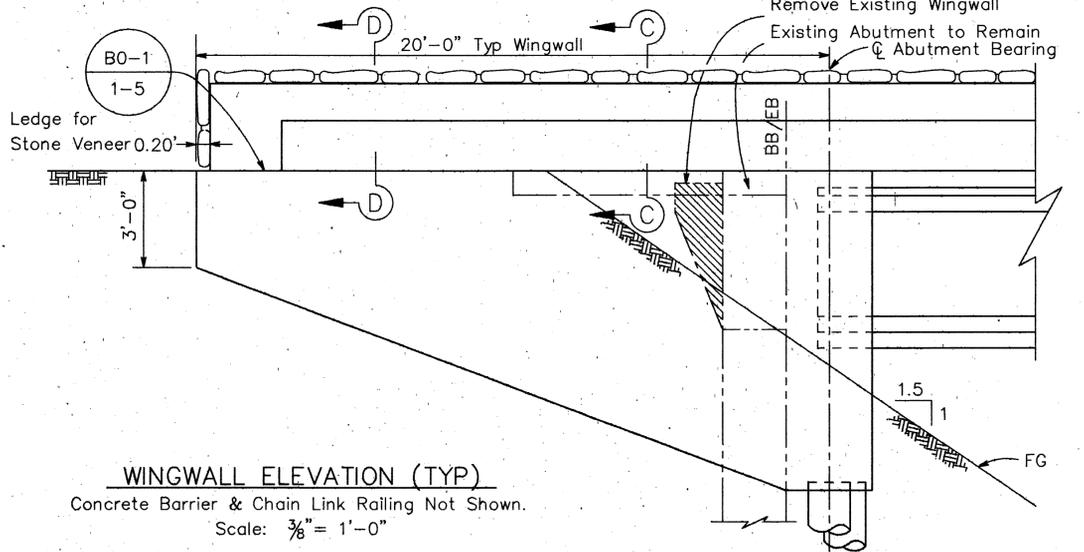
SECTION D-D
 No Scale



SECTION B-B
 Scale: 3/8" = 1'-0"



SECTION A-A
 For details not shown, see Section B-B
 No Scale



WINGWALL ELEVATION (TYP)
 Concrete Barrier & Chain Link Railing Not Shown.
 Scale: 3/8" = 1'-0"

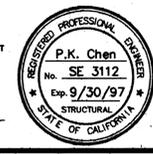
DESIGN	By H. Ahmed	Checked M. Weillbrenner	H. Ahmed
DETAILS	By J. Doty	Checked P. Chen	Project Engineer
QUANTITIES	By F. Quach	Checked T. Walker	

DESIGN OVERSIGHT
 SIGN OFF DATE

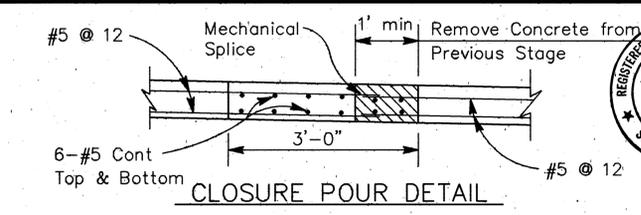
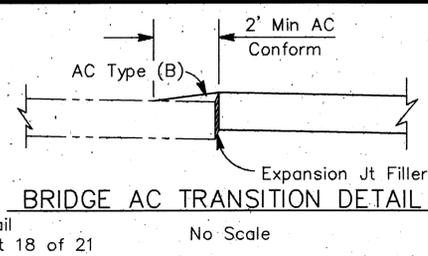
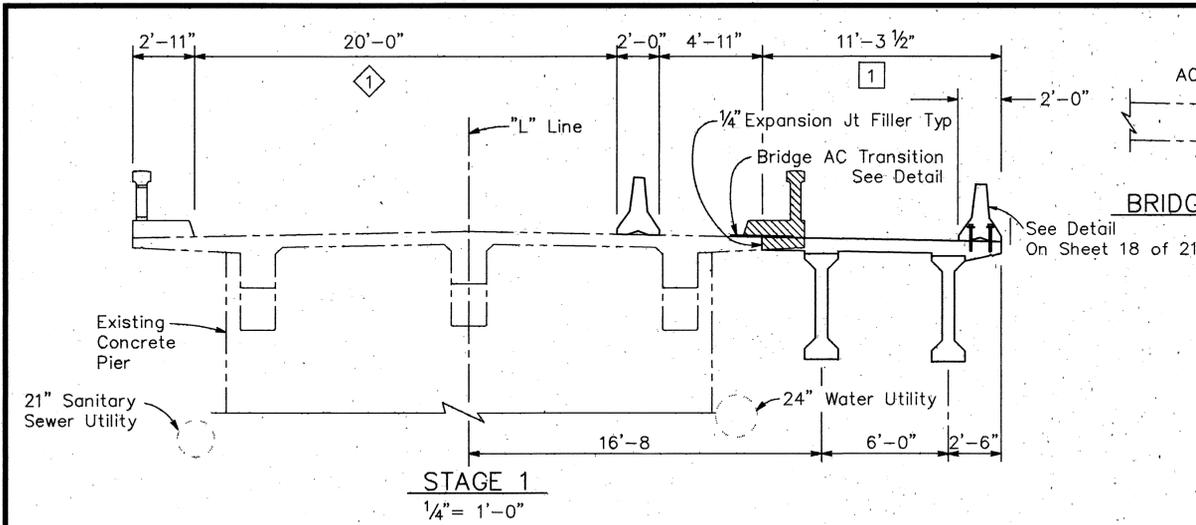
ORIGINAL SCALE IS IN INCHES FOR REDUCED PLANS

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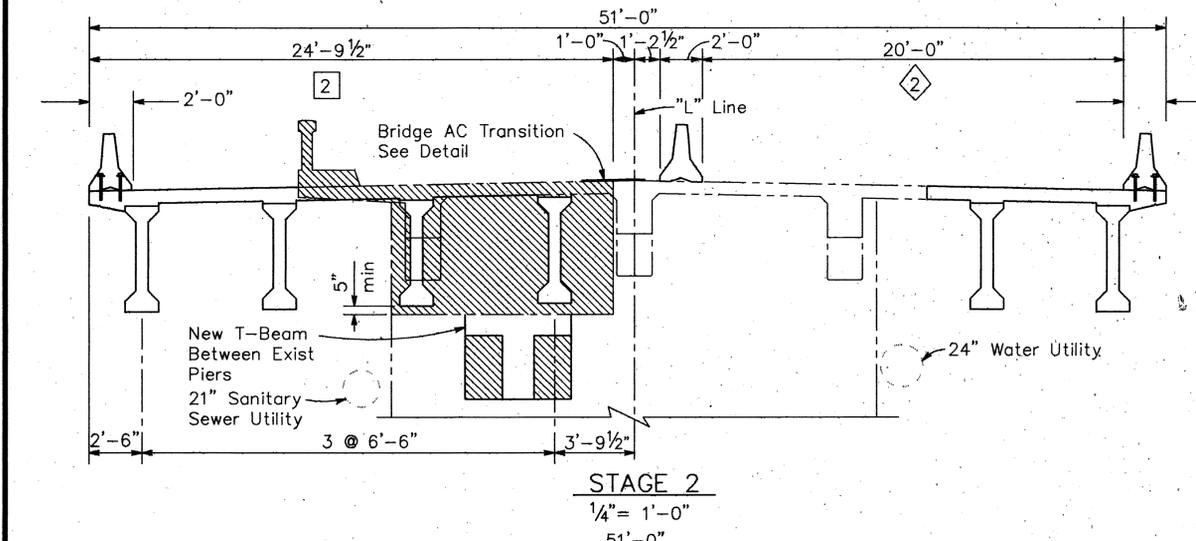
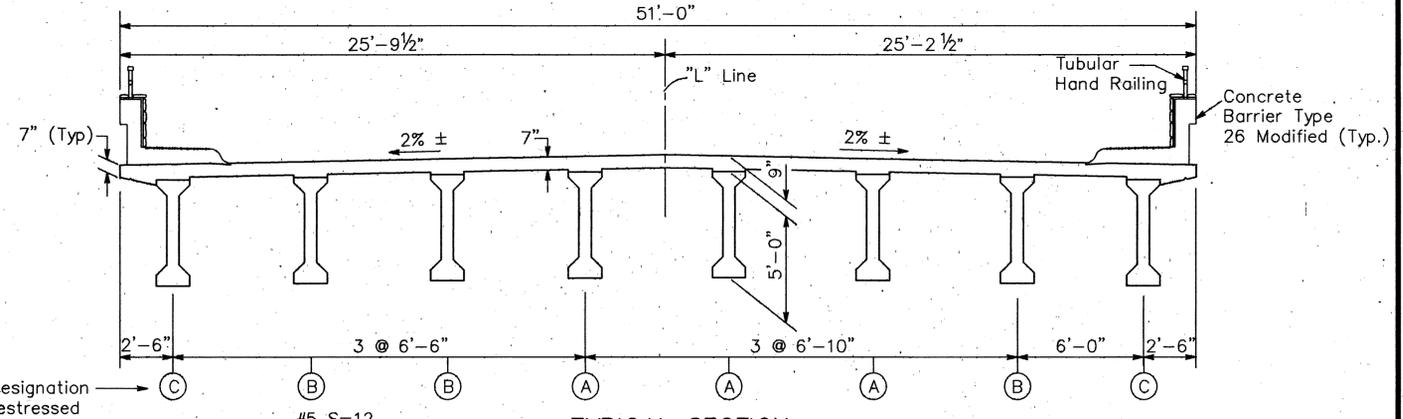
P.O. Wong Chen
 REGISTERED STRUCTURAL ENGINEER



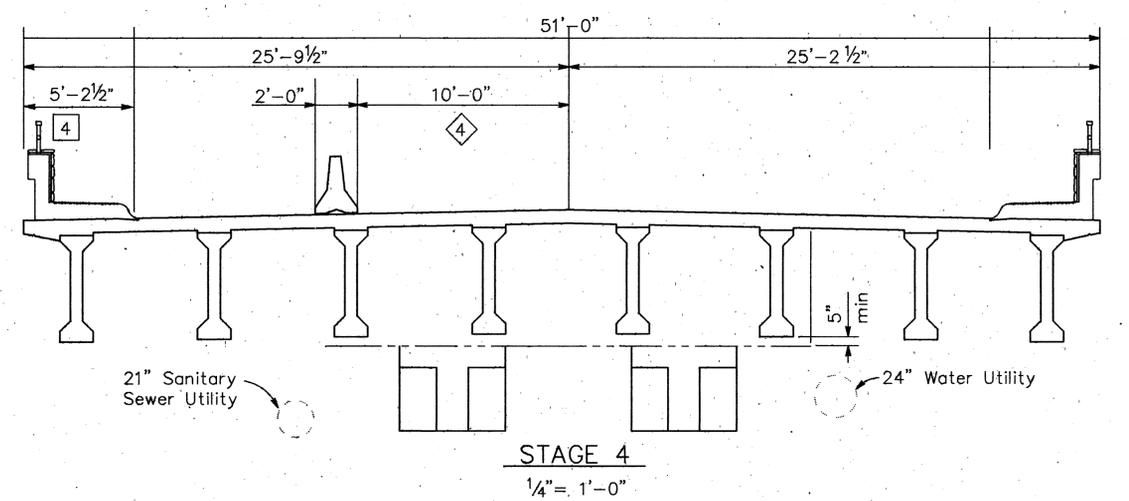
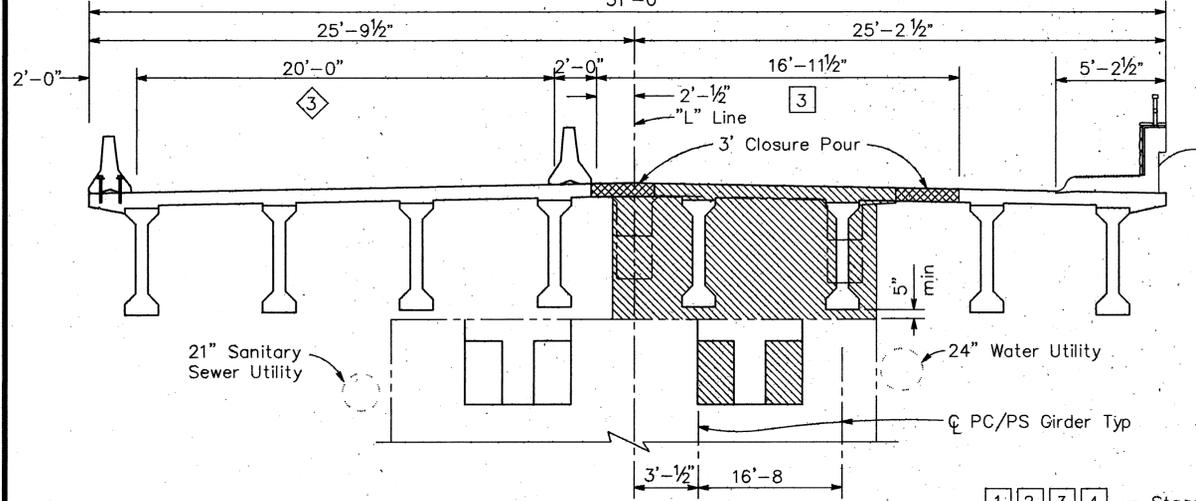
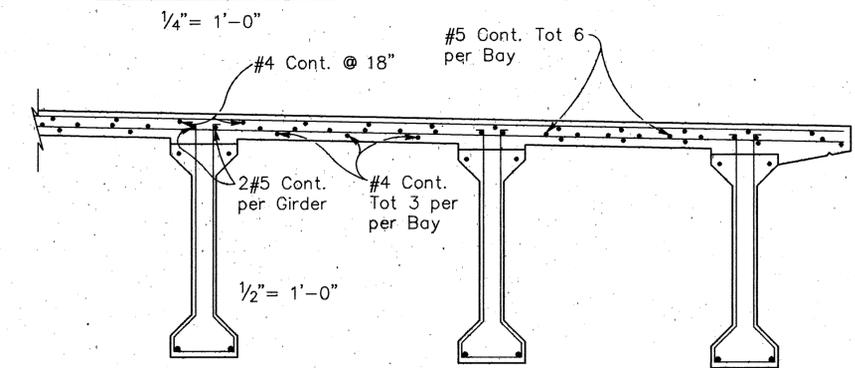
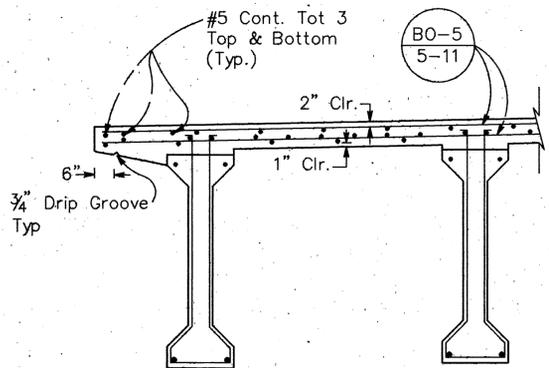
REVISION	DATE	ALPINE ROAD BRIDGE NO. 4 (REPLACE)		SCALE: AS NOTED
		ABUTMENT DETAILS		DATE: 10/25/94
SHEET NO. 16 OF 21		NEIL R. CULLEN, DIRECTOR OF PUBLIC WORKS SAN MATEO COUNTY		FILE No.: 1/4371



APPROVED: **NEIL R. CULLEN**
 REGISTERED PROFESSIONAL ENGINEER
 CIVIL
 STATE OF CALIFORNIA
 C 19109
 NEIL R. CULLEN - DIRECTOR OF PUBLIC WORKS
 R.C.E. # 19109 / EXPIRES 9/30/97



Girder Designation
 See "Prestressed
 I Girders" sheet.



Note: For Utility Bracing Details, see
 "Pier Bracing System" sheet.

1 2 3 4 = Stage Construction
 1 2 3 4 = Stage Traffic

DESIGN	By H. Ahmed	Checked M. Weillbrenner	H. Ahmed
DETAILS	By J. Doty	Checked P. Chen	Project Engineer
QUANTITIES	By F. Quach	Checked T. Walker	

Remove Existing Concrete
 Closure Pour

MARK THOMAS & CO. INC.
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 OFFICES IN SAN JOSE, CUPERTINO, SALINAS, SACRAMENTO & FRESNO

Po-Wang Chen
 REGISTERED STRUCTURAL ENGINEER

REGISTERED PROFESSIONAL ENGINEER
P.K. Chen
 No. SE 3112
 Exp. 9/30/97
 STRUCTURAL
 STATE OF CALIFORNIA

REVISION	DATE

SHEET NO. 17 OF 21

ALPINE ROAD BRIDGE NO. 4 (REPLACE)
STAGE CONSTRUCTION AND TYPICAL SECTION

SCALE: AS NOTED
 DATE: 10/25/94
 FILE No.: 1/4371

NEIL R. CULLEN, DIRECTOR OF PUBLIC WORKS
 SAN MATEO COUNTY

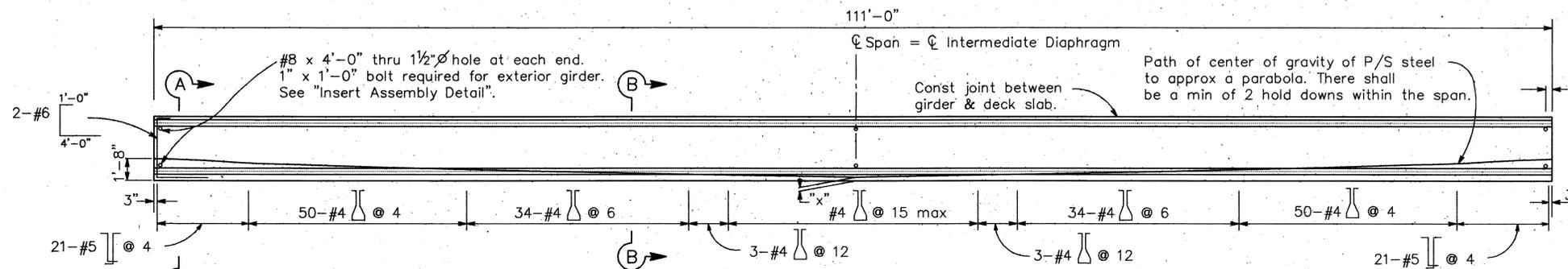
10 TWIN DOLPHIN DRIVE, SUITE C-200
 REDWOOD CITY, CALIFORNIA

ORIGINAL SCALE IS IN INCHES
 FOR REDUCED PLANS

ALPSc7S

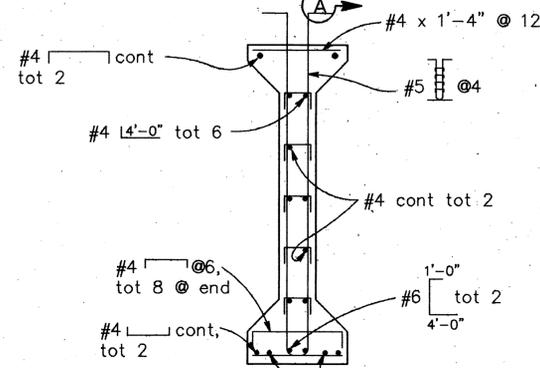


APPROVED: *Neil R. Cullen*
 DATE: NOV. 10, 1994
 NEIL R. CULLEN - DIRECTOR OF PUBLIC WORKS
 R.C.E. # 19109 / EXPIRES 9/30/97



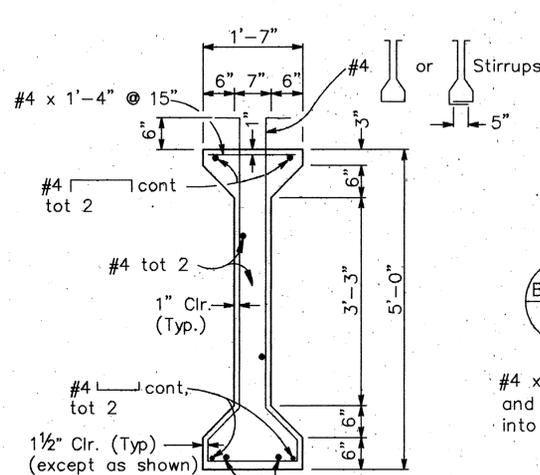
GIRDER ELEVATION

No Scale



SECTION A-A

3/4" = 1'-0"
 Note: Section A-A to apply for 4'-0" at each end of girder.



SECTION B-B

3/4" = 1'-0"

MODIFIED CONCRETE BARRIER TYPE 26 WITH TUBULAR HAND RAILING

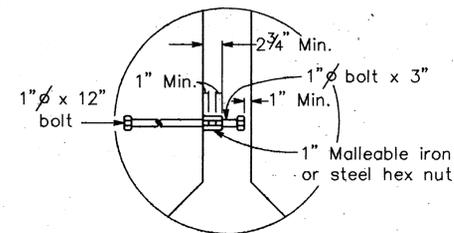
No Scale



GRINDING DETAIL

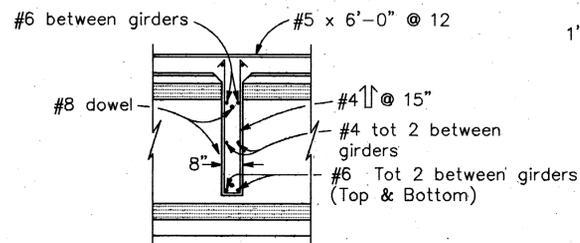
No Scale

Girder Designation	P = Working force in Kips.	Concrete Strength		Deflection Components in Feet	
		f _{ci}	f _c	① Deck DL	② Rail DL
A	6"	850	4500	0.15	0.03
	8"	900	4500		
B	6"	810	4500	0.14	0.02
	8"	860	4500		
C	6"	800	4500	0.12	0.02
	8"	850	4500		



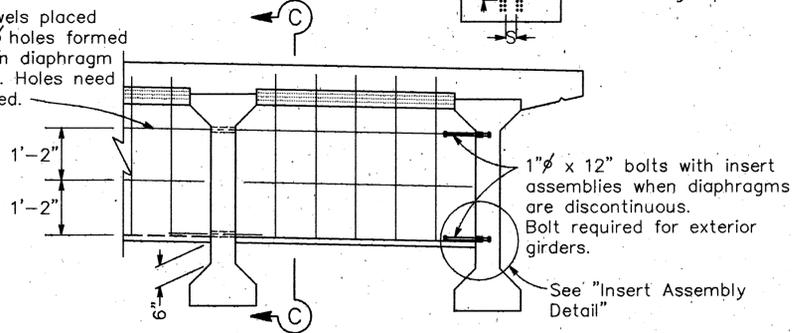
INSERT ASSEMBLY DETAIL

No Scale



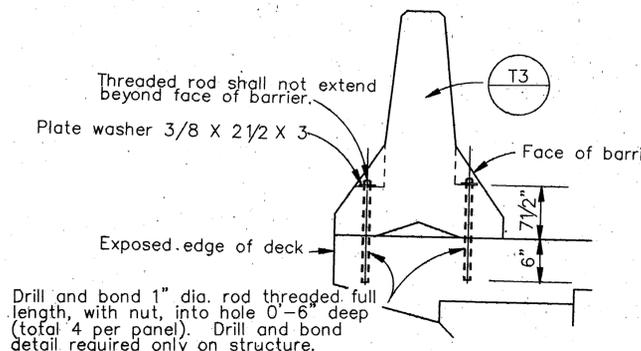
SECTION C-C

No Scale



INTERMEDIATE DIAPHRAGM

No Scale



TYPE K RAILING ATTACHMENT DETAILS

No Scale

CLEARANCES FOR PRETENSIONED STRANDS

- Strands may be bundled in groups consisting of 3 vertically and 2 horizontally, and separated at the ends.
- The min. distance "S" between groups or individual strands is 1 1/2" for 3/8" strands, 1 3/4" for 7/16" strands and 2" for 1/2" strands.
- "S" is measured between centers of adjacent strands.
- Approval of Engineer is required for deviation.

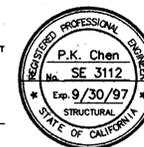
NOTE:

Details shown are for Pretensioned Girders. The Contractor may submit details for Post tensioning which shall be subject to the approval of the Engineer.

DESIGN	By H. Ahmed	Checked M. Weibrenner	H. Ahmed
DETAILS	By J. Doty	Checked P. Chen	Project Engineer
QUANTITIES	By F. Quach	Checked T. Walker	

ORIGINAL SCALE IS IN INCHES FOR REDUCED PLANS

MARK THOMAS & CO. INC.
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 OFFICES IN SAN JOSE, OAKLAND, SALINAS, SACRAMENTO & FRESNO



REVISION	DATE
SHEET NO.	18 OF 21

ALPINE ROAD BRIDGE NO. 4 (REPLACE)

PRESTRESSED I GIRDERS

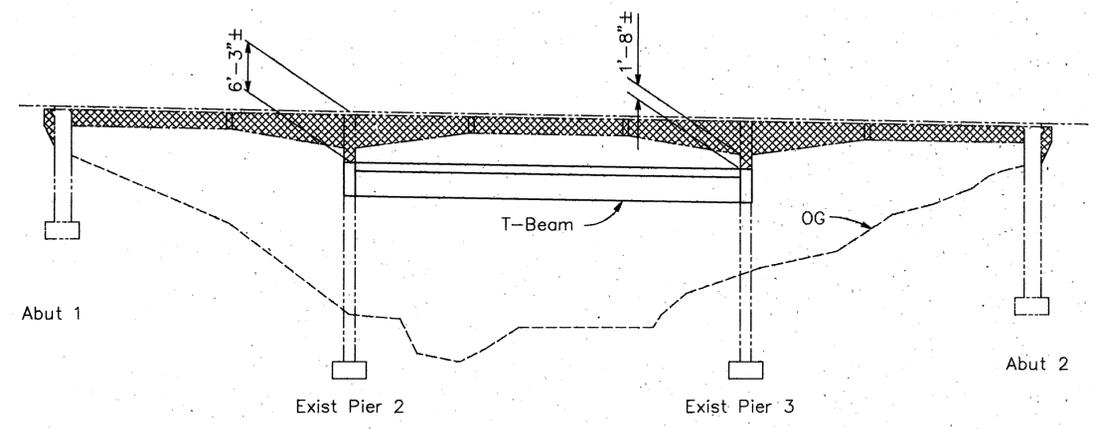
SCALE: AS NOTED
 DATE: 10/25/94
 FILE No./4371

NEIL R. CULLEN, DIRECTOR OF PUBLIC WORKS
 SAN MATEO COUNTY

10 TWIN DOLPHIN DRIVE, SUITE C-200
 REDWOOD CITY, CALIFORNIA



APPROVED:
 DATE NOV. 10, 1994
 NEIL R. CULLEN - DIRECTOR OF PUBLIC WORKS
 R.C.E. # 19109 / EXPIRES 9/30/97

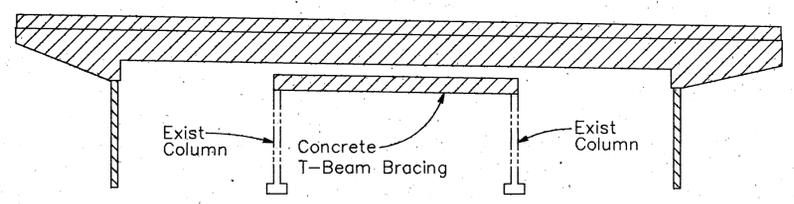


Note: No Falsework Shall Be Allowed In Creek For Constructing T-Beam

EXISTING BRIDGE

Scale: 1/4" = 1'-0"

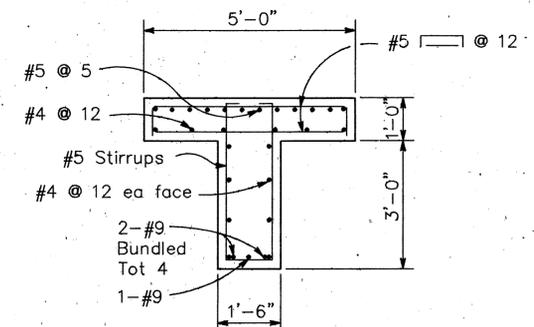
Indicates Concrete Removal



CONCRETE TYPE LIMITS

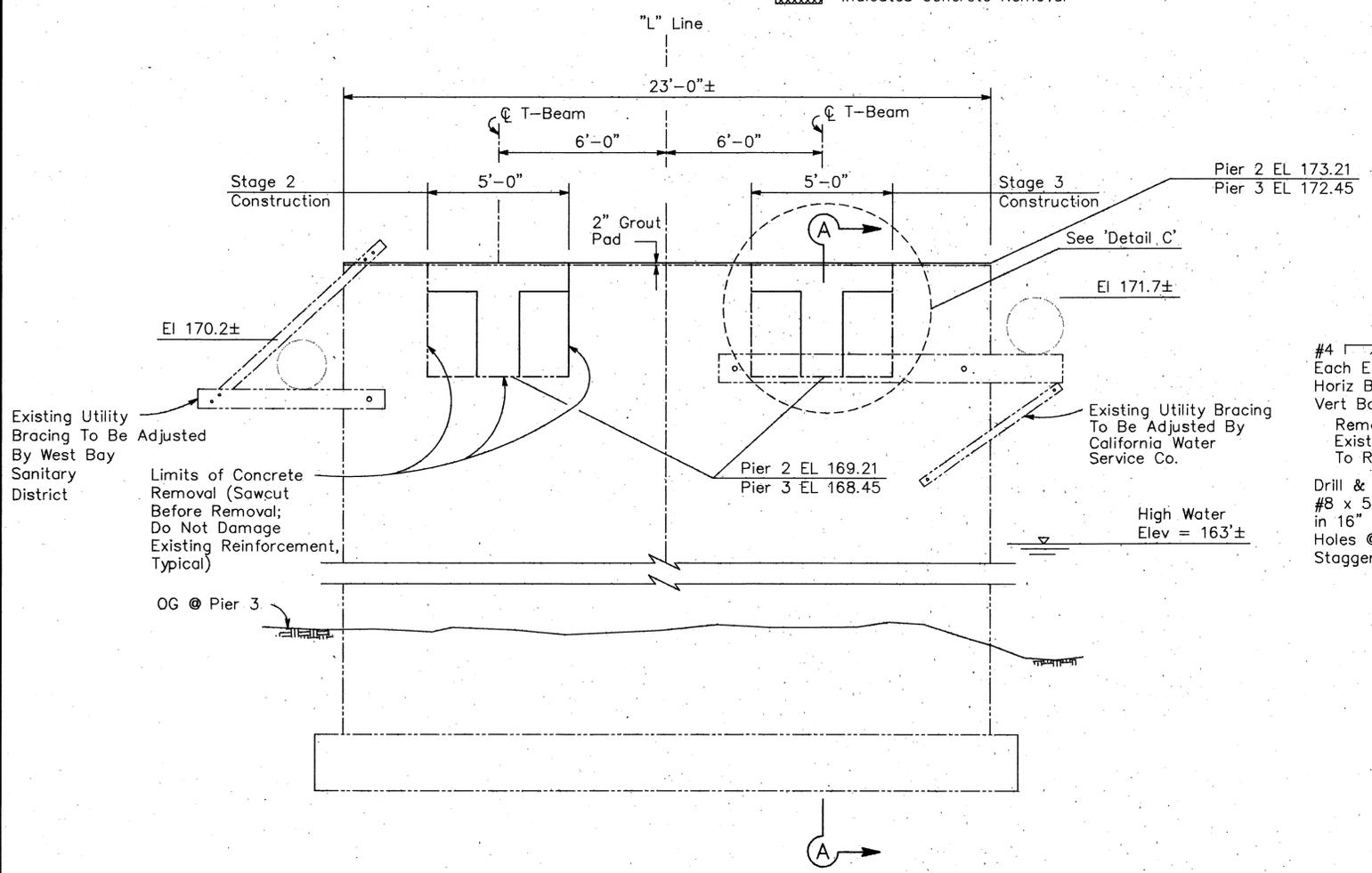
No Scale

Structural Concrete (Bridge)
 CIDH Pile



SECTION B-B

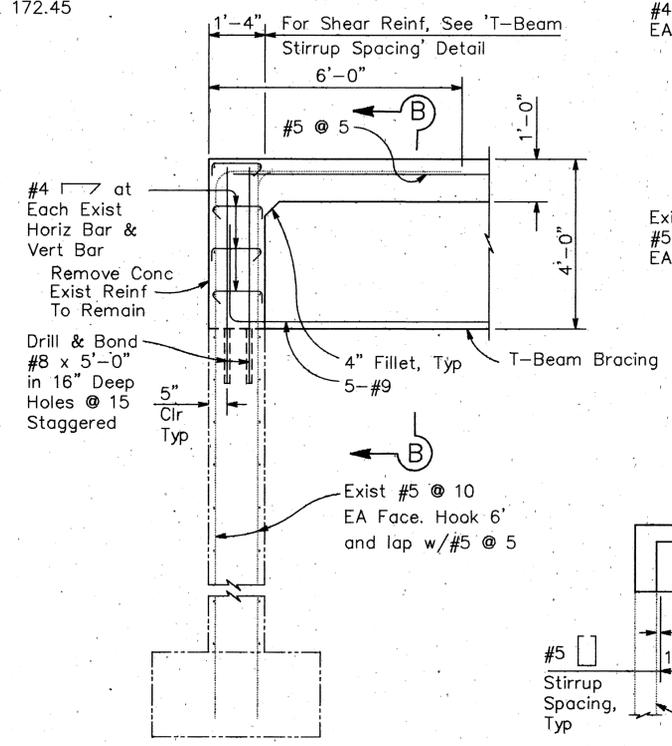
Scale: 1/2" = 1'-0"



EXIST PIER 3 WALL ELEVATION

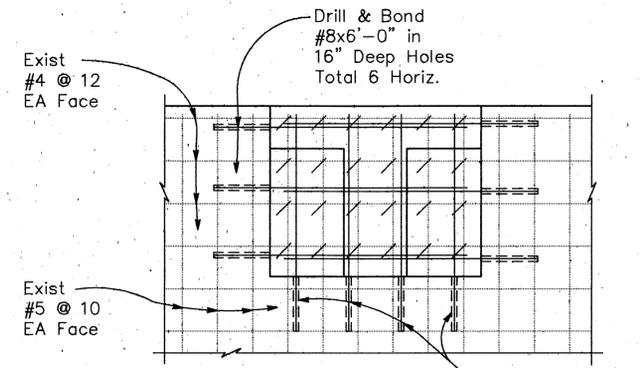
(Pier 2 similar)

Note: Existing superstructure removal not shown
 Scale: 3/8" = 1'-0"



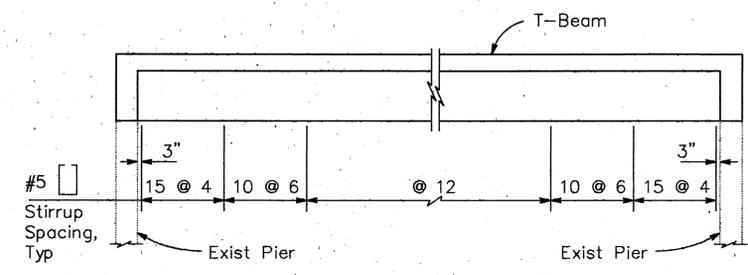
SECTION A-A

Scale: 1/2" = 1'-0"



DETAIL C

Scale: 1/2" = 1'-0"



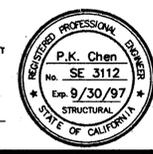
T-Beam Stirrup Spacing

No Scale

DESIGN	By H. Ahmed	Checked M. Weibrenner	H. Ahmed
DETAILS	By J. Doty	Checked P. Chen	Project Engineer
QUANTITIES	By F. Quach	Checked T. Walker	

DESIGN OVERSIGHT
 SIGN OFF DATE

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 CONSULTING CIVIL ENGINEERS & MUNICIPAL PLANNERS
 OFFICES IN SAN JOSE, CUPERTINO, SALINAS, SACRAMENTO & FRESNO



Po-Wang Chen
 REGISTERED STRUCTURAL ENGINEER

REVISION	DATE
SHEET NO.	19 OF 21

ALPINE ROAD BRIDGE NO. 4 (REPLACE)		SCALE: AS NOTED
PIER BRACING SYSTEM		DATE: 10/25/94
NEIL R. CULLEN, DIRECTOR OF PUBLIC WORKS SAN MATEO COUNTY		FILE No. 4371

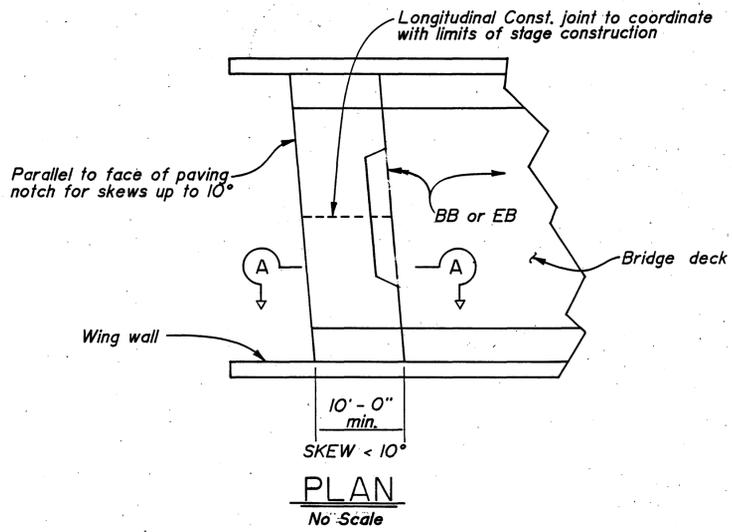
ORIGINAL SCALE IS IN INCHES FOR REDUCED PLANS

ALPPBS

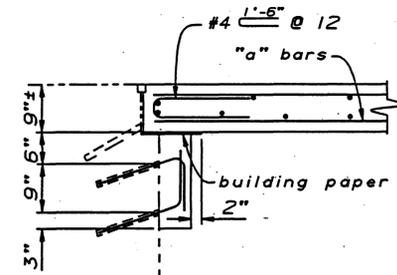
RELEASED 11-2-92



APPROVED: DATE NOV. 10, 1994
NEIL R. CULLEN - DIRECTOR OF PUBLIC WORKS
R.C.E. #19109 / EXPIRES 9/30/97

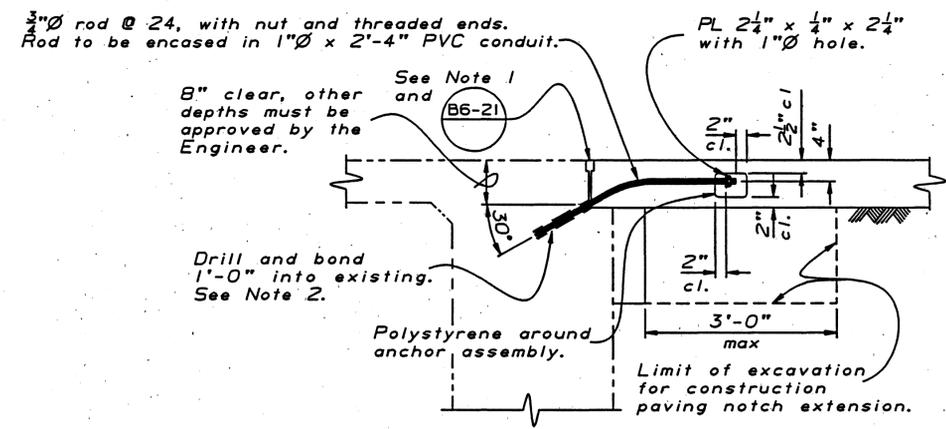


PLAN
No Scale

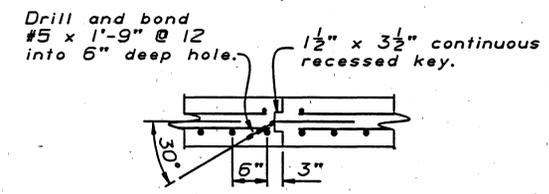
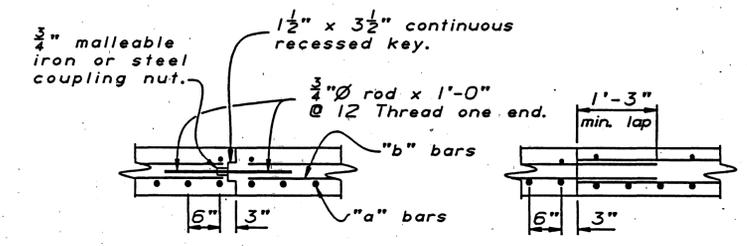


NOTE: For details not shown, see "Section A-A."

DETAIL A
No Scale



TIE DETAIL
No Scale



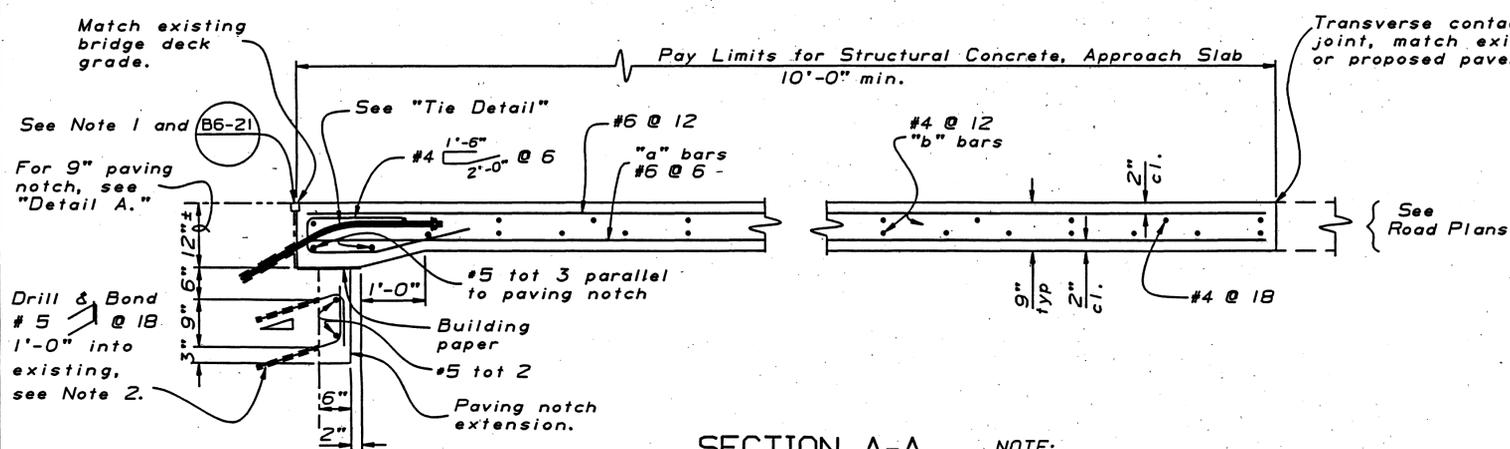
LONGITUDINAL CONSTRUCTION

JOINT ALTERNATIVES

No Scale
(Other Stages Similar)

NOTES

- 1. For details not noted or shown, see Structure Plans. Adjust bar reinforcement to clear a sawcut for sealed joint, when required.
- 2. Space to avoid existing prestress anchorages and main reinforcement.

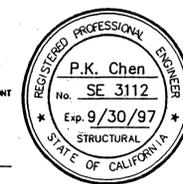


SECTION A-A
No Scale

NOTE: THE CONTRACTOR SHALL VERIFY ALL CONTROLLING FIELD DIMENSIONS BEFORE ORDERING OR FABRICATING ANY MATERIAL.

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CONSULTING CIVIL ENGINEERS & MUNICIPAL PLANNERS
OFFICES IN SAN JOSE, CUPERTINO, SALINAS, SACRAMENTO & FREMONT

P.O. Wang
REGISTERED STRUCTURAL ENGINEER



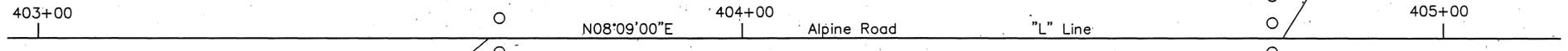
ALPINE ROAD BRIDGE NO. 4 (REPLACE)
STRUCTURE APPROACH TYPE R(10D)



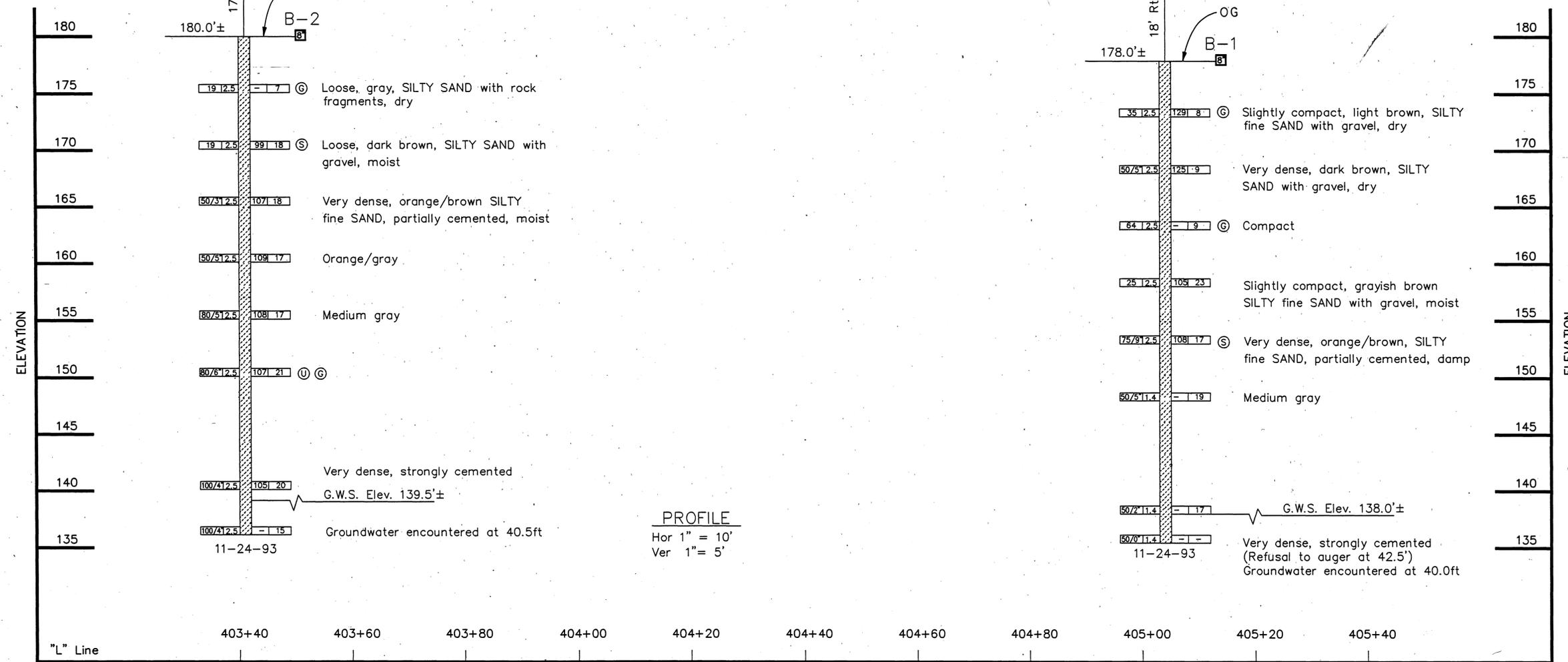
APPROVED: *Neil R. Cullen*
 DATE: NOV. 10, 1994
 NEIL R. CULLEN - DIRECTOR OF PUBLIC WORKS
 R.C.E. # 19109 / EXPIRES 9/30/97

BENCH MARK

U.S.C. & G. BRASS DISK N875 (1954)
 SET IN THE ROADWAY OF ALPINE ROAD
 STATION 403+53.30, 14.40' LT
 ELEV=180.77 (1967)

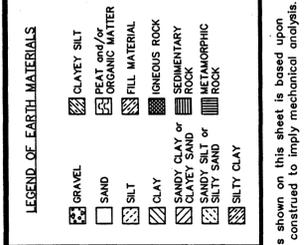
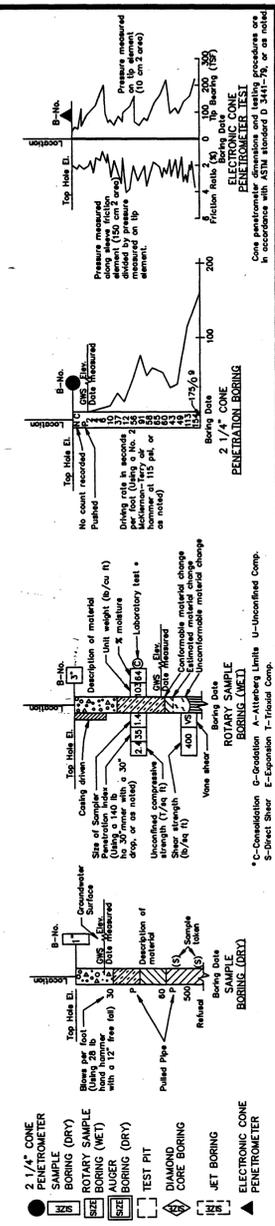


PLAN
1" = 10'



PROFILE
 Hor 1" = 10'
 Ver 1" = 5'

LEGEND OF BORING OPERATIONS



CONSISTENCY CLASSIFICATION FOR SOILS

According to the Standard Penetration Test

Penetration (Blows/ft)	Cohesive	
	Granular	
0-4	Very loose	Very soft
5-9	Loose	Soft
10-19	Slightly compact	Stiff
20-34	Compact	Very stiff
35-69	Dense	Hard
> 70	Very dense	Very hard

NOTE: Classification of earth material as shown on this sheet is based upon field inspection and is not to be construed to imply mechanical analysis.

DESIGN OVERSIGHT	DRAWN BY P. QUACH	Y.D. WANG L.K. BERGERON FIELD INVESTIGATOR	BRIDGE NO. 35C-0016	PARIKH CONSULTANTS, INC. 481 VALLEY WAY, BLDG #1 MILPITAS, CA 95035 <i>Gary Parikh</i> 4-28-94 REGISTERED GEOTECHNICAL ENGINEER DATE	SHEET 21 OF 21 NEIL R. CULLEN, DIRECTOR OF PUBLIC WORKS SAN MATEO COUNTY	SCALE: NONE
SIGN OFF DATE	CHECKED BY Y.D. WANG	DATE November 1993	POST MILE			FILE No.: 1/4371

FOR REDUCED PLANS ORIGINAL SCALE IS IN INCHES

ALPLTB