

Ci **San Diego**

Ms. Marla Jahshan, President
PAL General Engineering, Inc.
5374 Eastgate Mall

CONTRACTOR'S NAME: _____
ADDRESS: _____ San Diego, CA 92121 _____
TELEPHONE NO.: _____ P. 858-638-7100 F. 858-638-7102 _____
CITY CONTACT: Claudia Abarca, Contract Specialist, Email: Cabarca@sandiego.gov
Phone No. (619) 533-3439, Fax No. (619) 533-3633
DMarsden/AReyes/egz

CONTRACT DOCUMENTS

COPY



FOR

REGENTS ROAD RIGHT TURN LANE AT LA JOLLA VILLAGE DRIVE

VOLUME 1 OF 2

BID NO.: _____ L-14-2035-DBB-2 _____
SAP NO. (WBS/IO/CC): _____ S-00867 _____
CLIENT DEPARTMENT: _____ 2116 _____
COUNCIL DISTRICT: _____ 1 _____
PROJECT TYPE: _____ IG _____

THIS CONTRACT IS SUBJECT TO THE FOLLOWING:

- THE CITY'S SUBCONTRACTING PARTICIPATION REQUIREMENTS FOR SLBE PROGRAM.
- COMPETITION RESTRICTED TO: SLBE-ELBE or ELBE FIRMS ONLY.
- PREVAILING WAGE RATES: STATE FEDERAL

BID DUE DATE:

**1:30 PM
NOVEMBER 5, 2013
CITY OF SAN DIEGO
PUBLIC WORKS CONTRACTING GROUP
1010 SECOND AVENUE, SUITE 1400, MS 614C
SAN DIEGO, CA 92101**

ENGINEER OF WORK

The engineering Specifications and Special Provisions contained herein have been prepared by or under the direction of the following Registered Engineer:



For City Engineer

9/27/13

Date

Seal

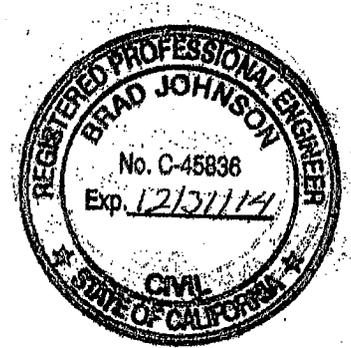


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CITY OF SAN DIEGO, CALIFORNIA

NOTICE INVITING BIDS

1. **LIMITED COMPETITION:** This contract may only be bid by the Contractors on the City's approved SLBE-ELBE Construction Contractors List. For information regarding the SLBE-ELBE Construction Program and registration visit the City's web site: <http://www.sandiego.gov>.
2. **RECEIPT AND OPENING OF BIDS:** Bids will be received at the Public Works Contracting Group at the location, time, and date shown on the cover of these specifications for performing work on **REGENTS ROAD RIGHT TURN LANE AT LA JOLLA VILLAGE DRIVE** (Project).
3. **DESCRIPTION OF WORK:** The Work involves furnishing all labor, materials, equipment, services, and other incidental works and appurtenances for the construction of the Project as described below:

This project provides for a southbound-to-westbound right-turn lane at the La Jolla Village Drive/ Regents Road intersection. Construction of the turn pocket consists of road widening, new road base, curb and gutter, concrete sidewalk, retaining wall, drainage, signal modification, landscape, irrigation, street striping/ markings, and traffic control. A Class II bike lane is included for the southbound bicyclist.

3.1. The Work shall be performed in accordance with:

3.1.1. This Notice Inviting Bids and Plans numbered **32874-01-D** through **32874-12-D** and **32874-TC1-D**, inclusive.

4. EQUAL OPPORTUNITY

4.1. To The WHITEBOOK, Chapter 10, Sections D and E, DELETE in their entirety and SUBSTITUTE with the following:

D. CITY'S EQUAL OPPORTUNITY COMMITMENT.

1. Nondiscrimination in Contracting Ordinance.

1. The Contractor, Subcontractors and Suppliers shall comply with requirements of the City's Nondiscrimination in Contracting Ordinance, San Diego Municipal Code §§22.3501 through 22.3517.

The Contractor shall not discriminate on the basis of race, gender, religion, national origin, ethnicity, sexual orientation, age, or disability in the solicitation, selection, hiring, or treatment of subcontractors, vendors, or suppliers. The Contractor shall provide equal opportunity for subcontractors to participate in subcontracting opportunities. The Contractor understands and agrees that violation of this clause shall be considered a material breach of the contract and may result in contract termination, debarment, or other sanctions.

The Contractor shall include the foregoing clause in all contracts between the Contractor and Subcontractors and Suppliers.

2. Disclosure of Discrimination Complaints. As part of its Bid or Proposal, the Bidder shall provide to the City a list of all instances within the past 10 years where a complaint was filed or pending against Bidder in a legal or administrative proceeding alleging that Bidder discriminated against its employees, subcontractors, vendors, or suppliers, and a description of the status or resolution of that complaint, including any remedial action taken.
3. Upon the City's request, the Contractor agrees to provide to the City, within 60 days, a truthful and complete list of the names of all Subcontractors and Suppliers that the Contractor has used in the past 5 years on any of its contracts that were undertaken within San Diego County, including the total dollar amount paid by the Contractor for each subcontract or supply contract.
4. The Contractor further agrees to fully cooperate in any investigation conducted by the City pursuant to the City's Nondiscrimination in Contracting Ordinance, Municipal Code §§22.3501 through 22.3517. The Contractor understands and agrees that violation of this clause shall be considered a material breach of the Contract and may result in remedies being ordered against the Contractor up to and including contract termination, debarment and other sanctions for violation of the provisions of the Nondiscrimination in Contracting Ordinance. The Contractor further understands and agrees that the procedures, remedies and sanctions provided for in the Nondiscrimination in Contracting Ordinance apply only to violations of the Ordinance.

E. EQUAL EMPLOYMENT OPPORTUNITY OUTREACH PROGRAM.

1. The Contractor, Subcontractors and Suppliers shall comply with the City's Equal Employment Opportunity Outreach Program, San Diego Municipal Code §§22.2701 through 22.2707.

The Contractor shall not discriminate against any employee or applicant for employment on any basis prohibited by law. Contractor shall provide equal opportunity in all employment practices. Prime Contractor shall ensure their subcontractors comply with this program. Nothing in this section shall be interpreted to hold a prime contractor liable for any discriminatory practice of its subcontractors.

The Contractor shall include the foregoing clause in all contracts between the Contractor and Subcontractors and Suppliers.

2. If the Contract is competitively solicited, the selected Bidder shall submit a Work Force Report (Form BB05), within 10 Working Days after receipt by the Bidder of Contract forms to the City for approval as specified in the Notice of Intent to Award letter from the City.

3. If a Work Force Report is submitted, and the City determines there are under-representations when compared to County Labor Force Availability data, the selected Bidder shall submit an Equal Employment Opportunity Plan.
4. If the selected Bidder submits an Equal Employment Opportunity Plan, it shall include the following assurances:
 1. The Contractor shall maintain a working environment free of discrimination, harassment, intimidation and coercion at all sites and in all facilities at which the Contractor's employees are assigned to work.
 2. The Contractor reviews its EEO Policy, at least annually, with all on-site supervisors involved in employment decisions.
 3. The Contractor disseminates and reviews its EEO Policy with all employees at least once a year, posts the policy statement and EEO posters on all company bulletin boards and job sites, and documents every dissemination, review and posting with a written record to identify the time, place, employees present, subject matter, and disposition of meetings.
 4. The Contractor reviews, at least annually, all supervisors' adherence to and performance under the EEO Policy and maintains written documentation of these reviews.
 5. The Contractor discusses its EEO Policy Statement with subcontractors with whom it anticipates doing business, includes the EEO Policy Statement in its subcontracts, and provides such documentation to the City upon request.
 6. The Contractor documents and maintains a record of all bid solicitations and outreach efforts to and from subcontractors, contractor associations and other business associations.
 7. The Contractor disseminates its EEO Policy externally through various media, including the media of people of color and women, in advertisements to recruit, maintains files documenting these efforts, and provides copies of these advertisements to the City upon request.
 8. The Contractor disseminates its EEO Policy to union and community organizations.
 9. The Contractor provides immediate written notification to the City when any union referral process has impeded the Contractor's efforts to maintain its EEO Policy.
 10. The Contractor maintains a current list of recruitment sources, including those outreaching to people of color and women, and provides written notification of employment opportunities to these recruitment sources with a record of the organizations' responses.
 11. The Contractor maintains a current file of names, addresses and phone numbers of each walk-in applicant, including people of color and

women, and referrals from unions, recruitment sources, or community organizations with a description of the employment action taken.

12. The Contractor encourages all present employees, including people of color and women employees, to recruit others.
13. The Contractor maintains all employment selection process information with records of all tests and other selection criteria.
14. The Contractor develops and maintains documentation for on-the-job training opportunities, participates in training programs, or both for all of its employees, including people of color and women, and establishes apprenticeship, trainee, and upgrade programs relevant to the Contractor's employment needs.
15. The Contractor conducts, at least annually, an inventory and evaluation of all employees for promotional opportunities and encourages all employees to seek and prepare appropriately for such opportunities.
16. The Contractor ensures the company's working environment and activities are non-segregated except for providing separate or single-user toilets and necessary changing facilities to assure privacy between the sexes.

5. SUBCONTRACTING PARTICIPATION PERCENTAGES.

- 5.1. The City has incorporated voluntary subcontractor participation percentage to enhance competition and maximize subcontracting opportunities as follows.
- 5.2. The following voluntary subcontractor participation percentage for DBE, DVBE, WBE, MBE, SLBE, and ELBE certified Subcontractors shall apply to this contract:

Total voluntary subcontractor participation percentage for this project is 27.1%.

6. PRE-BID MEETING:

- 6.1. There will be a Pre-Bid Meeting to discuss the scope of the Project, bidding requirements, prequalification process, and Equal Opportunity Contracting Program requirements and reporting procedures in the Public Works Contracting Group, Conference Room at 1010 Second Avenue, Suite 1400, San Diego, CA 92101 **at 10:00 AM, on OCTOBER 16, 2013.**
- 6.2. All potential bidders are encouraged to attend.
- 6.3. To request a copy of the agenda on an alternative format, or to request a sign language or oral interpreter for this meeting, call the Public Works Contracting Group at (619) 533-3450 at least 5 Working Days prior to the Pre-Bid Meeting to ensure availability.

7. CONTRACTOR REGISTRATION AND ELECTRONIC REPORTING SYSTEM:

7.1. Prior to the Award of the Contract or each Task Order, you and your Subcontractors and Suppliers **must** register with Prism®, the City’s web-based contract compliance portal at:

<https://pro.prismcompliance.com/default.aspx>

7.2. The City may not award the contract until registration of all subcontractors and suppliers is complete. In the event this requirement is not met within the time frame specified in the Notice of Intent to Award letter, the City reserves the right to rescind the Notice of Award / Intent to Award and to make the award to the next responsive and responsible bidder / proposer.

8. CONSTRUCTION COST: The City’s estimated construction cost for this contract is **\$470,000.00.**

9. LOCATION OF WORK: The location of the Work is as follows:

Regents Road between La Jolla Village Drive and Regents Park Row.

10. CONTRACT TIME: The Contract Time for completion of the Work shall be **105 Working Days.**

11. CONTRACTOR'S LICENSE CLASSIFICATION: In accordance with the provisions of California Law, the Contractor shall possess valid appropriate license(s) at the time that the Bid is submitted. Failure to possess the specified license(s) shall render the Bid as **non-responsive** and shall act as a bar to award of the Contract to any Bidder not possessing required license(s) at the time of Bid.

11.1. The City has determined the following licensing classification(s) for this contract:

- CLASS A

12. JOINT VENTURE CONTRACTORS. Provide a copy of the Joint Venture agreement and the Joint Venture license to the City within 10 Working Days after receiving the Contract forms. See 2-1.1.2, “Joint Venture Contractors” in The WHITEBOOK for details.

13. WAGE RATES: Prevailing wage rates are applicable to this contract.

13.1. STATE REQUIREMENTS FOR CONTRACTS SUBJECT TO STATE PREVAILING WAGE REQUIREMENTS.

In accordance with the provisions of California Labor Code Sections 1770, et seq. as amended, the Director of the Department of Industrial Relations has determined the general prevailing rate of per diem wages in accordance with the standards set forth in such Sections for the locality in which the Work is to be performed. Copies of the prevailing rate of per diem wages may be found at http://www.dir.ca.gov/dlsr/statistics_research.html. The Contractor shall post a copy of the above determination of the prevailing rate of per diem wages at each job site and shall make them available to any interested party on request.

Pursuant to Sections 1720 et seq., and 1770 et seq., of the California Labor Code the Contractor any Subcontractor shall pay not less than said specified rates determined

by the Director of the California Department of Industrial Relations to all workmen employed by them in the execution of the Work.

The wage rates determined by the Director of Industrial Relations and published in the Department of Transportation publication entitled, "General Prevailing Wage Rates", refer to expiration dates. If the published wage rate does not refer to a predetermined wage rate to be paid after the expiration date, said published rate of wage shall be in effect for the life of this contract. If the published wage rate refers to a predetermined wage rate to become effective upon expiration of the published wage rate and the predetermined wage rate is on file with the Department of Industrial Relations, such predetermined wage rate shall become effective on the date following the expiration date and shall apply to this contract in the same manner as if it had been published in said publication. If the predetermined wage rate refers to one or more additional expiration dates with additional predetermined wage rates, which expiration dates occur during the life of this contract, each successive predetermined wage rate shall apply to this contract on the date following the expiration date of the previous wage rate. If the last of such predetermined wage rates expires during the life of this contract, such wage rate shall apply to the balance of the contract.

The successful bidder intending to use a craft or classification not shown on the prevailing rate determinations may be required to pay the rate of the craft or classification most closely related to it.

14. INSURANCE REQUIREMENTS:

- 14.1. All certificates of insurance and endorsements required by the contract are to be provided upon issuance of the City's Notice of Intent to Award letter.
- 14.2. Refer to sections 7-3, "LIABILITY INSURANCE", and 7-4, "WORKERS' COMPENSATION INSURANCE" of the Supplementary Special Provisions (SSP) for the insurance requirements which must be met.

15. PREQUALIFICATION OF CONTRACTORS:

- 15.1. Contractors submitting Bid must be pre-qualified for the total amount proposed, inclusive of all alternate items prior to the date of submittal. Bids from contractors who have not been pre-qualified as applicable and Bids that exceed the maximum dollar amount at which contractors are pre-qualified will be deemed **non-responsive** and ineligible for award. Complete information and prequalification questionnaires are available at:

<http://www.sandiego.gov/cip/bidopps/prequalification.shtml>

- 15.2. The completed questionnaire, financial statement, and bond letter or a copy of the contractor's SLBE-ELBE certification and bond letter, must be submitted no later than 2 weeks prior to the bid opening to the Public Works Contracting Group, Prequalification Program, 1010 Second Avenue, Suite 1400, San Diego, CA 92101. For additional information or the answer to questions about the prequalification program, contact David Stucky at 619-533-3474 or dstucky@sandiego.gov.

- 16. REFERENCE STANDARDS:** Except as otherwise noted or specified, the Work shall be completed in accordance with the following standards:

Title	Edition	Document Number
Standard Specifications for Public Works Construction (“The GREENBOOK”)	2012	PITS070112-01
City of San Diego Standard Specifications for Public Works Construction (“The WHITEBOOK”)*	2012	PITS070112-02
City of San Diego Standard Drawings*	2012	PITS070112-03
Caltrans Standard Specifications	2010	PITS070112-04
Caltrans Standard Plans	2010	PITS070112-05
California MUTCD	2012	PITS070112-06
City Standard Drawings - Updates Approved For Use (when specified)*	Varies	Varies
Standard Federal Equal Employment Opportunity Construction Contract Specifications and the Equal Opportunity Clause Dated 09-11-84	1984	769023
NOTE: Available online under Engineering Documents and References at: http://www.sandiego.gov/publicworks/edocref/index.shtml		

- 17. CITY'S RESPONSES AND ADDENDA:** The City at its option, may respond to any or all questions submitted in writing, via letter, or FAX in the form of an addendum. No oral comment shall be of any force or effect with respect to this solicitation. The changes to the Contract Documents through addendum are made effective as though originally issued with the Bid. The Bidders shall acknowledge the receipt of Addenda on the form provided for this purpose in the Bid.
- 18. CITY'S RIGHTS RESERVED:** The City reserves the right to cancel the Notice Inviting Bids at any time, and further reserves the right to reject submitted Bids, without giving any reason for such action, at its sole discretion and without liability. Costs incurred by the Bidder(s) as a result of preparing Bids under the Notice Inviting Bids shall be the sole responsibility of each bidder. The Notice Inviting Bids creates or imposes no obligation upon the City to enter a contract.
- 19. CONTRACT PRICING FORMAT:** This solicitation is for a Lump Sum contract with Unit Price provisions as set forth in the Bid Proposal Form(s), Volume 2.
- 20. SUBMITTAL OF “OR EQUAL” ITEMS:** See Section 4-1.6, “Trade Names or Equals” in The WHITEBOOK and as amended in the SSP.
- 21. AWARD PROCESS:**
- 21.1.** The Award of this contract is contingent upon the Contractor’s compliance with all conditions precedent to Award.
- 21.2.** Upon acceptance of a Bid, the City will prepare contract documents for execution within approximately 21 days of the date of the Bid opening and award the Contract

approximately within 7 days of receipt of properly executed Contract, bonds, and insurance documents.

- 21.3.** This contract will be deemed executed, and effective, only upon the signing of the Contract by the Mayor or designee of the City.
- 22. SUBCONTRACT LIMITATIONS:** The Bidder's attention is directed to Standard Specifications for Public Works Construction, Section 2-3, "SUBCONTRACTS" in The WHITEBOOK and as amended in the SSP which requires the Contractor to self perform the amount therein stipulated. Failure to comply with these requirements may render the Bid **non-responsive** and ineligible for award.
- 23. AVAILABILITY OF PLANS AND SPECIFICATIONS:** Contract Documents may be obtained by visiting the City's website: <http://www.sandiego.gov/cip/>. Plans and Specifications for this contract are also available for review in the office of the City Clerk or Public Works Contracting Group.
- 24. QUESTIONS:**
- 24.1.** The Director (or designee), of the Public Works Department is the officer responsible for opening, examining, and evaluating the competitive Bids submitted to the City for the acquisition, construction and completion of any public improvement except when otherwise set forth in these documents. All questions related to this procurement action shall be addressed to the Public Works Contracting Group, Attention Contract Specialist, 1010 Second Avenue, Suite 1400, San Diego, California, 92101, and Telephone No. (619) 533-3450.
- 24.2.** Questions received less than 14 days prior to the date for opening of Bids may not be answered.
- 24.3.** Interpretations or clarifications considered necessary by the City in response to such questions will be issued by Addenda which will be uploaded to the City's online bidding service.
- 24.4.** Only questions answered by formal written addenda will be binding. Oral and other interpretations or clarifications will be without legal effect. It is the Bidder's responsibility to become informed of any Addenda that have been issued and to include all such information in its Bid.
- 25. ELIGIBLE BIDDERS:** No person, firm, or corporation shall be allowed to make, file, or be interested in **more** than one (1) Bid for the same work unless alternate Bids are called for. A person, firm or corporation who has submitted a sub-proposal to a Bidder, or who has quoted prices on materials to a Bidder, is not hereby disqualified from submitting a sub-proposal or quoting prices to other Bidders or from submitting a Bid in its own behalf. Any Bidder who submits more than one bid will result in the rejection of all bids submitted.
- 26. SAN DIEGO BUSINESS TAX CERTIFICATE:** The Contractor and Subcontractors, not already having a City of San Diego Business Tax Certificate for the work contemplated shall secure the appropriate certificate from the City Treasurer, Civic Center Plaza, first floor and submit to the Contract Specialist upon request or as specified in the Contract Documents. Tax Identification numbers for both the Bidder and the listed Subcontractors must be submitted on the City provided forms with the Notice Inviting Bids and Contract forms.

- 27. PROPOSAL FORMS:** Bid shall be made only upon the Bidding Documents i.e., Proposal form attached to and forming a part of the specifications. The signature of each person signing shall be in longhand.
- 27.1.** Bidder shall complete and submit all pages in the "Bidding Document" Section (see Volume 2) as their Bid per the schedule given under "Required Documents Schedule," (see Volume 1). Bidder is requested to retain for their reference other portions of the Contract Documents that are not required to be submitted with the Bid. The entire specifications for the bid package do not need to be submitted with the bid.
- 27.2.** The City may require any Bidder to furnish a statement of experience, financial responsibility, technical ability, equipment, and references.
- 27.3.** Bids and certain other forms and documents as specified in the Volume 2 of 2 of the Contract Documents shall be enclosed in a sealed envelope and shall bear the title of the work and name of the Bidder and the appropriate State Contractors License designation which the Bidder holds.
- 27.4.** Bids may be withdrawn by the Bidder prior to, but not after, the time fixed for opening of Bids.
- 28. BIDDERS' GUARANTEE OF GOOD FAITH (BID SECURITY):**
- 28.1.** With the exception of the contracts valued \$5,000 or less, JOC and Design-Build contracts, and contracts subject to the Small and Local Business Program of \$250,000 or less e.g., ELBE contracts, each Bidder shall accompany its Bid with either a cashier's check upon some responsible bank, or a check upon such bank properly certified or an approved corporate surety bond payable to the City of San Diego, for an amount of not less than 10% of the aggregate sum of the Bid, which check or bond, and the monies represented thereby shall be held by the City as a guarantee that the Bidder, if awarded the contract, will in good faith enter into such contract and furnish the required final bonds.
- 28.2.** The Bidder agrees that in case of Bidder's refusal or failure to execute this contract and give required final bonds, the money represented by a cashier's or certified check shall remain the property of the City, and if the Bidder shall fail to execute this contract, the Surety agrees that it will pay to the City damages which the City may suffer by reason of such failure, not exceeding the sum of 10% of the amount of the Bid.
- 28.3.** A Bid received without the specified bid security will be rejected as being **non-responsive**.
- 29. AWARD OF CONTRACT OR REJECTION OF BIDS:**
- 29.1.** This contract may be awarded to the lowest responsible and reliable Bidder.
- 29.2.** Bidders shall complete the entire Bid schedule (also referred to as "schedule of prices" or Proposal form). Incomplete price schedules will be rejected as being non-responsive.
- 29.3.** The City reserves the right to reject any or all Bids, and to waive any informality or technicality in Bids received and any requirements of these specifications as to bidding procedure.

- 29.4. Bidders will not be released on account of their errors of judgment. Bidders may be released only upon receipt by the City from the Bidder within 3 Working Days, excluding Saturdays, Sundays, and state holidays, after the opening of Bids, of written notice which includes proof of honest, credible, clerical error of material nature, free from fraud or fraudulent intent, and of evidence that reasonable care was observed in the preparation of the Bid.
- 29.5. A non-selected Bidder may protest award of the Contract to the selected Bidder by submitting a written "Notice of Intent to Protest" including supporting documentation which shall be received by Public Works Contracting Group no later than 10 days after the City's announcement of the selected Bidder or no later than 10 days from the date that the City issues notice of designation of a Bidder as non-responsible in accordance with San Diego Municipal Code Chapter 2, § 22.3029, "Protests of Contract Award."
- 29.6. The City of San Diego will not discriminate with regard to race, religious creed, color, national origin, ancestry, physical handicap, marital status, sex or age, in the award of contracts.
- 29.7. Each Bid package properly executed as required by these specifications shall constitute a firm offer, which may be accepted by the City within the time specified in the Proposal.
- 29.8. The City reserves the right to evaluate all Bids and determine the lowest Bidder on the basis of any proposed alternates, additive items or options, at its discretion that will be disclosed in the Volume 2 of 2.

30. BID RESULTS:

- 30.1. The Bid opening by the City shall constitute the public announcement of the Apparent Low Bidder. In the event that the Apparent Low Bidder is subsequently deemed non-responsive or non-responsible, a public announcement will be posted in the City's web page: <http://www.sandiego.gov/cip/index.shtml>, with the name of the newly designated Apparent Low Bidder.
- 30.2. To obtain Bid results, either attend Bid opening, review the results on the City's web site, or provide a self-addressed, stamped envelope, referencing Bid number, and Bid tabulation will be mailed to you upon verification of extensions. Bid results cannot be given over the telephone.

31. THE CONTRACT:

- 31.1. The Bidder to whom award is made shall execute a written contract with the City of San Diego and furnish good and approved bonds and insurance certificates specified by the City within 14 days after receipt by Bidder of a form of contract for execution unless an extension of time is granted to the Bidder in writing.
- 31.2. If the Bidder takes longer than 14 days to fulfill these requirements, then the additional time taken shall be added to the Bid guarantee. The Contract shall be made in the form adopted by the City, which includes the provision that no claim or suit whatsoever shall be made or brought by Contractor against any officer, agent, or employee of the City for or on account of anything done or omitted to be done in connection with this contract, nor shall any such officer, agent, or employee be liable hereunder.

- 31.3.** If the Bidder to whom the award is made fails to enter into the contract as herein provided, the award may be annulled and the Bidder's Guarantee of Good Faith will be subject to forfeiture. An award may be made to the next lowest responsible and reliable Bidder who shall fulfill every stipulation embraced herein as if it were the party to whom the first award was made.
- 31.4.** Pursuant to the San Diego City Charter section 94, the City may only award a public works contract to the lowest responsible and reliable Bidder. The City will require the Apparent Low Bidder to (i) submit information to determine the Bidder's responsibility and reliability, (ii) execute the Contract in form provided by the City, and (iii) furnish good and approved bonds and insurance certificates specified by the City within 14 Days, unless otherwise approved by the City, in writing after the Bidder receives notification from the City, designating the Bidder as the Apparent Low Bidder and formally requesting the above mentioned items.
- 31.5.** The award of the Contract is contingent upon the satisfactory completion of the above mentioned items and becomes effective upon the signing of the Contract by the Mayor or designee. If the Apparent Low Bidder does not execute the Contract or submit required documents and information, the City may award the Contract to the next lowest responsible and reliable Bidder who shall fulfill every condition precedent to award. A corporation designated as the Apparent Low Bidder shall furnish evidence of its corporate existence and evidence that the officer signing the Contract and bond for the corporation is duly authorized to do so.
- 32. EXAMINATION OF PLANS, SPECIFICATIONS, AND SITE OF WORK:** The Bidder shall examine carefully the Project Site, the Plans and Specifications, other materials as described in the Special Provisions, Section 2-7, and the proposal forms (e.g., Bidding Documents). The submission of a Bid shall be conclusive evidence that the Bidder has investigated and is satisfied as to the conditions to be encountered, as to the character, quality, and scope of Work, the quantities of materials to be furnished, and as to the requirements of the Bidding Documents Proposal, Plans, and Specifications.
- 33. CITY STANDARD PROVISIONS:** This contract is subject to the following standard provisions. See The WHITEBOOK for details.
- 33.1.** The City of San Diego Resolution No. R-277952 adopted on May 20, 1991 for a Drug-Free Workplace.
- 33.2.** The City of San Diego Resolution No. R-282153 adopted on June 14, 1993 related to the Americans with Disabilities Act.
- 33.3.** The City of San Diego Municipal Code §22.3004 for Pledge of Compliance.
- 33.4.** The City of San Diego's Labor Compliance Program and the State of California Labor Code §§1771.5(b) and 1776.
- 33.5.** Sections 1777.5, 1777.6, and 1777.7 of the State of California Labor Code concerning the employment of apprentices by contractors and subcontractors performing public works contracts.
- 33.6.** The City's Equal Benefits Ordinance (EBO), Chapter 2, Article 2, Division 43 of The San Diego Municipal Code (SDMC).

33.7. The City’s Information Security Policy (ISP) as defined in the City’s Administrative Regulation 90.63.

34. PRE-AWARD ACTIVITIES:

34.1. The selected contractor by the City to execute a contract for this Work shall provide the information required within the time specified in “Required Documents,” of this bid package. Failure to provide the information within the time specified may result in the Bid being rejected as **non-responsive**.

34.2. If the Bid is rejected as non-responsive, the selected contractor by the City to execute a contract for this Work shall forfeit the required Bid. The decision that the selected contractor by the City to execute a contract for this Work is non-responsive for failure to provide the information required within the time specified shall be at the sole discretion of the City.

35. REQUIRED DOCUMENT SCHEDULE:

35.1. The Bidder’s attention is directed to the City’s Municipal Code §22.0807(e), (3)-(5) for important information regarding grounds for debarment for failure to submit required documentation.

35.2. The specified Equal Opportunity Contracting Program (EOCP) forms are available for download from the City’s web site at:

<http://www.sandiego.gov/eoc/forms/index.shtml>

ITEM	WHEN DUE	FROM	DOCUMENT TO BE SUBMITTED
1.	BID SUBMITTAL DATE/TIME	ALL BIDDERS	Bid
2.	BID SUBMITTAL DATE/TIME	ALL BIDDERS	Bid Bond
3.	BID SUBMITTAL DATE/TIME	ALL BIDDERS	Non-collusion Affidavit to be Executed By Bidder and Submitted with Bid under 23 USC 112 and PCC 7106
4.	BID SUBMITTAL DATE/TIME	ALL BIDDERS	Contractors Certification of Pending Actions
5.	BID SUBMITTAL DATE/TIME	ALL BIDDERS	Equal Benefits Ordinance Certification of Compliance
6.	BID SUBMITTAL DATE/TIME	ALL BIDDERS	Form AA35 - List of Subcontractors
7.	BID SUBMITTAL DATE/TIME	ALL BIDDERS	Form AA40 - Named Equipment/Material Supplier List
8.	WITHIN 10 WORKING DAYS AFTER RECEIPT BY BIDDER OF CONTRACT FORMS	APPARENT LOW BIDDER	Names of the principal individual owners of the Apparent Low Bidder

ITEM	WHEN DUE	FROM	DOCUMENT TO BE SUBMITTED
9.	WITHIN 10 WORKING DAYS AFTER RECEIPT BY BIDDER OF CONTRACT FORMS	APPARENT LOW BIDDER	If the Contractor is a Joint Venture: <ul style="list-style-type: none"> • Joint Venture Agreement • Joint Venture License
10.	WITHIN 10 WORKING DAYS AFTER RECEIPT BY BIDDER OF CONTRACT FORMS	APPARENT LOW BIDDER	Form BB05 - Work Force Report
11.	WITHIN 10 WORKING DAYS AFTER RECEIPT BY BIDDER OF CONTRACT FORMS	APPARENT LOW BIDDER	Contract Forms - Agreement
12.	WITHIN 10 WORKING DAYS AFTER RECEIPT BY BIDDER OF CONTRACT FORMS	APPARENT LOW BIDDER	Contract Forms - Payment and Performance Bond
13.	WITHIN 10 WORKING DAYS AFTER RECEIPT BY BIDDER OF CONTRACT FORMS	APPARENT LOW BIDDER	Certificates of Insurance and Endorsements
14.	WITHIN 10 WORKING DAYS AFTER RECEIPT BY BIDDER OF CONTRACT FORMS	APPARENT LOW BIDDER	Contractor Certification - Drug-Free Workplace
15.	WITHIN 10 WORKING DAYS AFTER RECEIPT BY BIDDER OF CONTRACT FORMS	APPARENT LOW BIDDER	Contractor Certification - American with Disabilities Act
16.	WITHIN 10 WORKING DAYS AFTER RECEIPT BY BIDDER OF CONTRACT FORMS	APPARENT LOW BIDDER	Contractors Standards - Pledge of Compliance

CONTRACT FORMS
AGREEMENT

AFFIDAVIT OF DISPOSAL

WHEREAS, on the _____ DAY OF _____, _____, the undersigned entered into and executed a contract with the City of San Diego, a municipal corporation, for:

Regents Road Right Turn Lane at La Jolla Village Drive

(Name of Project)

as particularly described in said contract and identified as Bid No. **L-14-2035-DBB-2**, SAP No. (WBS/IO/CC) **S-00867**; and **WHEREAS**, the specification of said contract requires the Contractor to affirm that "all brush, trash, debris, and surplus materials resulting from this project have been disposed of in a legal manner"; and **WHEREAS**, said contract has been completed and all surplus materials disposed of:

NOW, THEREFORE, in consideration of the final payment by the City of San Diego to said Contractor under the terms of said contract, the undersigned Contractor, does hereby affirm that all surplus materials as described in said contract have been disposed of at the following location(s)

and that they have been disposed of according to all applicable laws and regulations.

Dated this _____ DAY OF _____, _____.

Contractor
by

ATTEST:

State of _____
County of _____

On this _____ DAY OF _____, 2_____, before the undersigned, a Notary Public in and for said County and State, duly commissioned and sworn, personally appeared _____ known to me to be the _____ Contractor named in the foregoing Release, and whose name is subscribed thereto, and acknowledged to me that said Contractor executed the said Release.

Notary Public in and for said County and State

COMPANY LETTERHEAD

CERTIFICATE OF COMPLIANCE

Materials and Workmanship Compliance

For Contract _____

I certify that the material listed below complies with the materials and workmanship requirements of the Caltrans Contract Plans, Special Provisions, Standard Specifications, and Standard Plans for the contract listed above.

I also certify that I am an official representative for _____, the manufacturer of the material listed above. Furthermore, I certify that where California test methods, physical or chemical test requirements are part of the specifications, that the manufacturer has performed the necessary quality control to substantiate this certification.

Material Description:

Manufacturer: _____
Model: _____
Serial Number (if applicable) _____
Quantity to be supplied: _____
Remarks: _____

Signed by: _____

Printed Name: _____

Title: _____

Company: _____

Date: _____

SUPPLEMENTARY SPECIAL PROVISIONS (SSP)

CONTRACT FORMS AGREEMENT

CONSTRUCTION CONTRACT

This contract is made and entered into between THE CITY OF SAN DIEGO, a municipal corporation, herein called "City", and PAL GENERAL ENGINEERING, INC., herein called "Contractor" for construction of **Regents Road Right Turn Lane at La Jolla Village Drive**; Bid No. **L-14-2035-DBB-2**; in the amount of **THREE HUNDRED SIXTY EIGHT THOUSAND TWO HUNDRED TWENTY FIVE DOLLARS AND ZERO CENTS (\$368,225.00)**, which is comprised of the Base Bid alone.

IN CONSIDERATION of the payments to be made hereunder and the mutual undertakings of the parties hereto, City and Contractor agree as follows:

1. The following are incorporated into this contract as though fully set forth herein:
 - (a) The attached Faithful Performance and Payment Bonds.
 - (b) The attached Proposal included in the Bid documents by the Contractor.
 - (c) Reference Standards listed in the Notice Inviting Bids and the Supplementary Special Provisions (SSP).
 - (d) That certain documents entitled **Regents Road Right Turn Lane at La Jolla Village Drive**, on file in the office of the Public Works Department as Document No. **S-00867**, as well as all matters referenced therein.
2. The Contractor shall perform and be bound by all the terms and conditions of this contract and in strict conformity therewith shall perform and complete in a good and workmanlike manner **Regents Road Right Turn Lane at La Jolla Village Drive**, Bid Number **L-14-2035-DBB-2**, San Diego, California.
3. For such performances, the City shall pay to Contractor the amounts set forth at the times and in the manner and with such additions or deductions as are provided for in this contract, and the Contractor shall accept such payment in full satisfaction of all claims incident to such performances.
4. No claim or suit whatsoever shall be made or brought by Contractor against any officer, agent, or employee of the City for or on account of anything done or omitted to be done in connection with this contract, nor shall any such officer, agent, or employee be liable hereunder.
5. This contract is effective as of the date that the Mayor or designee signs the agreement.

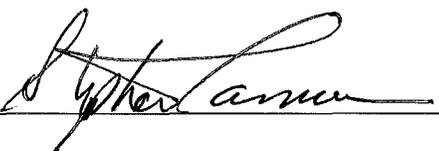
CONTRACT FORMS (continued)

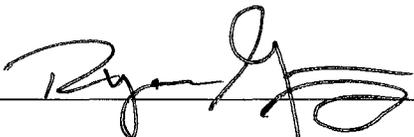
AGREEMENT

IN WITNESS WHEREOF, this Agreement is signed by the City of San Diego, acting by and through its Mayor or designee, pursuant to Municipal Code §22.3102 (d) authorizing such execution.

THE CITY OF SAN DIEGO

APPROVED AS TO FORM AND LEGALITY

By 

Jan I. Goldsmith, City Attorney
By 

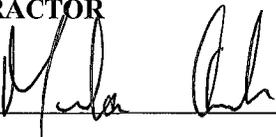
Print Name: Stephen Samara
Senior Contract Specialist

Print Name: RYAN P. GERWITZ
Deputy City Attorney

Date: 12/19/2013

Date: 12/18/2013

CONTRACTOR

By 

Print Name: Marla Jahshan

Title: President

Date: 11/19/2013

City of San Diego License No.: B2008032175

State Contractor's License No.: 916931

CONTRACT/AGREEMENT
ATTACHMENTS

CONTRACT ATTACHMENT
PERFORMANCE BOND AND LABOR AND MATERIALMEN'S BOND

FAITHFUL PERFORMANCE BOND AND LABOR AND MATERIALMEN'S BOND:

PAL GENERAL ENGINEERING, INC., a corporation, as principal, and The Hanover Insurance Company, a corporation authorized to do business in the State of California, as Surety, hereby obligate themselves, their successors and assigns, jointly and severally, to The City of San Diego a municipal corporation in the sum of THREE HUNDRED SIXTY EIGHT THOUSAND TWO HUNDRED TWENTY FIVE DOLLARS AND ZERO CENTS (\$368,225.00) for the faithful performance of the annexed contract, and in the sum of THREE HUNDRED SIXTY EIGHT THOUSAND TWO HUNDRED TWENTY FIVE DOLLARS AND ZERO CENTS (\$368,225.00) for the benefit of laborers and materialmen designated below.

Conditions:

If the Principal shall faithfully perform the annexed contract Regents Road Right Turn Lane at La Jolla Village Drive, Bid Number: L-14-2035-DBB-2, San Diego, California then the obligation herein with respect to a faithful performance shall be void; otherwise it shall remain in full force.

If the Principal shall promptly pay all persons, firms and corporations furnishing materials for or performing labor in the execution of this contract, and shall pay all amounts due under the California Unemployment Insurance Act then the obligation herein with respect to laborers and materialmen shall be void; otherwise it shall remain in full force.

The obligation herein with respect to laborers and materialmen shall inure to the benefit of all persons, firms and corporations entitled to file claims under the provisions of Chapter 3 of Division 5 of Title 1 of the Government Code of the State of California or under the provisions of Section 3082 et seq. of the Civil Code of the State of California.

Changes in the terms of the annexed contract or specifications accompanying same or referred to therein shall not affect the Surety's obligation on this bond, and the Surety hereby waives notice of same.

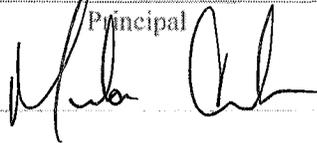
CONTRACT ATTACHMENT (continued)
PERFORMANCE BOND AND LABOR AND MATERIALMEN'S BOND

The Surety shall pay reasonable attorney's fees should suit be brought to enforce the provisions of this bond.

Dated November 15, 2013

Approved as to Form and Legality

PAL General Engineering, Inc.

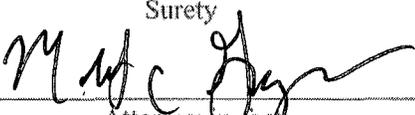
Principal
By 

Marla Jahshan, President
Printed Name of Person Signing for Principal

Jan I. Goldsmith, City Attorney

By 
Deputy City Attorney

The Hanover Insurance Company

Surety
By 
Attorney-in-fact
Matthew C. Gaynor

5 Hutton Centre, Suite 1060

Local Address of Surety

Santa Ana, CA 92707

Local Address (City, State) of Surety

Local Telephone No. of Surety

Premium \$ \$4,198

Bond No. 1015529

Approved:

By 
Stephen Samara
Senior Contract Specialist

THE HANOVER INSURANCE COMPANY
MASSACHUSETTS BAY INSURANCE COMPANY
CITIZENS INSURANCE COMPANY OF AMERICA

POWERS OF ATTORNEY
CERTIFIED COPY

KNOW ALL MEN BY THESE PRESENTS: That THE HANOVER INSURANCE COMPANY and MASSACHUSETTS BAY INSURANCE COMPANY, both being corporations organized and existing under the laws of the State of New Hampshire, and CITIZENS INSURANCE COMPANY OF AMERICA, a corporation organized and existing under the laws of the State of Michigan, do hereby constitute and appoint

Matthew C. Gaynor, Kim D. Vasquez, Daniel Frazee and/or David J. Garcia

of **Santee, CA** and each is a true and lawful Attorney(s)-in-fact to sign, execute, seal, acknowledge and deliver for, and on its behalf, and as its act and deed any place within the United States, or, if the following line be filled in, only within the area therein designated any and all bonds, recognizances, undertakings, contracts of indemnity or other writings obligatory in the nature thereof, as follows:

Any such obligations in the United States, not to exceed Ten Million and No/100 (\$10,000,000) in any single instance

and said companies hereby ratify and confirm all and whatsoever said Attorney(s)-in-fact may lawfully do in the premises by virtue of these presents. These appointments are made under and by authority of the following Resolution passed by the Board of Directors of said Companies which resolutions are still in effect:

"RESOLVED, That the President or any Vice President, in conjunction with any Vice President, be and they are hereby authorized and empowered to appoint Attorneys-in-fact of the Company, in its name and as its acts, to execute and acknowledge for and on its behalf as Surety any and all bonds, recognizances, contracts of indemnity, waivers of citation and all other writings obligatory in the nature thereof, with power to attach thereto the seal of the Company. Any such writings so executed by such Attorneys-in-fact shall be as binding upon the Company as if they had been duly executed and acknowledged by the regularly elected officers of the Company in their own proper persons." (Adopted October 7, 1981 - The Hanover Insurance Company; Adopted April 14, 1982 - Massachusetts Bay Insurance Company; Adopted September 7, 2001 - Citizens Insurance Company of America)

IN WITNESS WHEREOF, THE HANOVER INSURANCE COMPANY, MASSACHUSETTS BAY INSURANCE COMPANY and CITIZENS INSURANCE COMPANY OF AMERICA have caused these presents to be sealed with their respective corporate seals, duly attested by two Vice Presidents, this **7th** day of **December 2011**.



THE HANOVER INSURANCE COMPANY
MASSACHUSETTS BAY INSURANCE COMPANY
CITIZENS INSURANCE COMPANY OF AMERICA

Robert Thomas, Vice President

Joe Brenstrom, Vice President

THE COMMONWEALTH OF MASSACHUSETTS)
COUNTY OF WORCESTER) ss.

On this **7th** day of **December 2011** before me came the above named Vice Presidents of The Hanover Insurance Company, Massachusetts Bay Insurance Company and Citizens Insurance Company of America, to me personally known to be the individuals and officers described herein, and acknowledged that the seals affixed to the preceding instrument are the corporate seals of The Hanover Insurance Company, Massachusetts Bay Insurance Company and Citizens Insurance Company of America, respectively, and that the said corporate seals and their signatures as officers were duly affixed and subscribed to said instrument by the authority and direction of said Corporations.



BARBARA A. GARLICK
Notary Public
Commonwealth of Massachusetts
My Commission Expires Sept. 21, 2018

Barbara A. Garlick, Notary Public
My Commission Expires September 21, 2018

I, the undersigned Vice President of The Hanover Insurance Company, Massachusetts Bay Insurance Company and Citizens Insurance Company of America, hereby certify that the above and foregoing is a full, true and correct copy of the Original Power of Attorney issued by said Companies, and do hereby further certify that the said Powers of Attorney are still in force and effect.

This Certificate may be signed by facsimile under and by authority of the following resolution of the Board of Directors of The Hanover Insurance Company, Massachusetts Bay Insurance Company and Citizens Insurance Company of America.

"RESOLVED, That any and all Powers of Attorney and Certified Copies of such Powers of Attorney and certification in respect thereto, granted and executed by the President or any Vice President in conjunction with any Vice President of the Company, shall be binding on the Company to the same extent as if all signatures therein were manually affixed, even though one or more of any such signatures thereon may be facsimile." (Adopted October 7, 1981 - The Hanover Insurance Company; Adopted April 14, 1982 - Massachusetts Bay Insurance Company; Adopted September 7, 2001 - Citizens Insurance Company of America)

GIVEN under my hand and the seals of said Companies, at Worcester, Massachusetts, this 15th day of November 2013.

THE HANOVER INSURANCE COMPANY
MASSACHUSETTS BAY INSURANCE COMPANY
CITIZENS INSURANCE COMPANY OF AMERICA

Glenn Margosian, Vice President

ACKNOWLEDGMENT

State of California
County of San Diego)

On November 15, 2013 before me, Kathy Scheuerman, Notary Public
(insert name and title of the officer)

personally appeared Matthew C. Gaynor,
who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are
subscribed to the within instrument and acknowledged to me that he/~~she~~/they executed the same in
his/~~her~~/their authorized capacity(ies), and that by his/~~her~~/their signature(s) on the instrument the
person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing
paragraph is true and correct.

WITNESS my hand and official seal.



Signature Kathy Scheuerman (Seal)

CONTRACTOR CERTIFICATION

DRUG-FREE WORKPLACE

PROJECT TITLE: Regents Road Right Turn Lane at La Jolla Village Drive

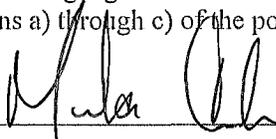
I hereby certify that I am familiar with the requirements of San Diego City Council Policy No. 100-17 regarding Drug-Free Workplace as outlined in the WHITEBOOK, Section 7-13.3, "Drug-Free Workplace", of the project specifications, and that;

PAL General Engineering, Inc.

(Name under which business is conducted)

has in place a drug-free workplace program that complies with said policy. I further certify that each subcontract agreement for this project contains language which indicates the subcontractor's agreement to abide by the provisions of subdivisions a) through c) of the policy as outlined.

Signed _____



Printed Name Marla Jahshan

Title President

CONTRACTOR CERTIFICATION

AMERICAN WITH DISABILITIES ACT (ADA) COMPLIANCE CERTIFICATION

PROJECT TITLE: Regents Road Right Turn Lane at La Jolla Village Drive

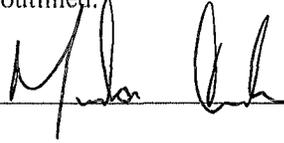
I hereby certify that I am familiar with the requirements of San Diego City Council Policy No. 100-4 regarding the American With Disabilities Act (ADA) outlined in the WHITEBOOK, Section 7-13.2, "American With Disabilities Act", of the project specifications, and that;

PAL General Engineering, Inc.

(Name under which business is conducted)

has in place a workplace program that complies with said policy. I further certify that each subcontract agreement for this project contains language which indicates the subcontractor's agreement to abide by the provisions of the policy as outlined.

Signed



Printed Name Marla Jahshan

Title President

CONTRACTOR CERTIFICATION

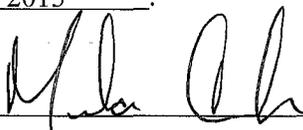
CONTRACTOR STANDARDS – PLEDGE OF COMPLIANCE

PROJECT TITLE: Regents Road Right Turn Lane at La Jolla Village Drive

I declare under penalty of perjury that I am authorized to make this certification on behalf of PAL General Engineering, Inc., as Contractor, that I am familiar with the requirements of City of San Diego Municipal Code § 22.3224 regarding Contractor Standards as outlined in the WHITEBOOK, Section 7-13.4, ("Contractor Standards"), of the project specifications, and that Contractor has complied with those requirements.

I further certify that each of the Contractor's subcontractors whose subcontracts are greater than \$50,000 in value has completed a Pledge of Compliance attesting under penalty of perjury of having complied with City of San Diego Municipal Code § 22.3224.

Dated this 19th Day of November, 2013.

Signed 

Printed Name Marla Jahshan

Title President

SUPPLEMENTARY SPECIAL PROVISIONS

The following Supplementary Special Provisions (SSP) modifies the following documents:

- 1) Standard Specifications for Public Works Construction (The GREENBOOK) currently in effect.
 - 2) The City of San Diego Standard Specifications for Public Works Construction (The WHITEBOOK).
-

SECTION 1 – TERMS, DEFINITIONS, ABBREVIATIONS, UNITS OF MEASURE, AND SYMBOLS

1-2 TERMS AND DEFINITIONS.

Normal Working Hours. To the City Supplement, ADD the following:

The Normal Working Hours are 8:30 AM to 3:30 PM.

SECTION 2 - SCOPE AND CONTROL OF WORK

2-3.2 Self Performance. DELETE in its entirety and SUBSTITUTE with the following:

1. You must perform, with your own organization, Contract work amounting to at least 50% of the base bid alone or base bid and any additive or deductive alternate(s) that together when added or deducted form the basis of award.
2. The self performance percentage requirement will be waived for contracts when a “B” License is required or allowed.

2-7 SUBSURFACE DATA. To the City Supplement, ADD the following:

4. In preparation of the Contract Documents, the designer has relied upon the following reports of explorations and tests of subsurface conditions at the Work Site:
 1. Report of Geotechnical Evaluation dated July 24, 2003 by Ninyo & Moore and Associates.
5. The report(s) listed above is(are) available for review by contacting the City Project Manager or visiting:

<ftp://ftp.sannet.gov/OUT/ECP/2-7%20SUBSURFACE%20DATA/>

2-14.3 Coordination. To the City Supplement, ADD the following:

Other adjacent City project(s) is(are) scheduled for construction for the same time period in the vicinity of Regents Road from Genesee Avenue to Executive Drive. See Appendix "E" for approximate location. Coordinate the Work with the adjacent project(s) as listed below:

- a) Regents Road Widening – Genesee to Executive, Louis Schultz (619-533-4668).

SECTION 4 - CONTROL OF MATERIALS

4-1.6 Trade Names or Equals. ADD the following:

You must submit your list of proposed substitutions for “an equal” (“or equal”) item(s) **no less than 15 Working Days prior to Bid due date** and on a City form when provided by the City.

SECTION 5 - UTILITIES

5-6 COOPERATION. To the City Supplement, ADD the following:

5-6.1 Utility Relocation and Contractor-Arranged Time for Relocation. Installation of the utilities shown in the following table requires coordination with your activities. Make arrangements with the utility company through the Resident Engineer and submit a schedule to the Resident Engineer:

1. Verified by the utility company
2. Allowing at least the time shown for the utility owner to complete its work.

Type of Utility	Location of Utility (Proposed TC Sta.)	Owner	Owner’s Address	N/W
Telephone	0+85.87, 1+12.29 and 1+44.84	AT&T	7337 Trade St, Room 5685 San Diego, CA 92121	5/2
Fiber Optic	1+52.04	COX	5159 Federal Blvd San Diego, CA 92105-5486	30/5
Cable TV	0+74.69 and 3+00.44	Time Warner Cable	10450 Pacific Center Ct San Diego, CA 92121	45/5
Electric	0+33.92, 0+60.91, 1+10 to 1+50, and 2+42.25	SDG&E	8315 Century Park Ct, CP22A San Diego, CA 92123-1550	30/5

N. Notification days. Minimum number of working days written notice the Resident Engineer provides the owner that the site will be ready for utility work.

W. Working days. Number of working days provided to the utility company to complete the listed utility work.

5-6.2 Site Preparation.

Utility Work described in “Utility Work by Owners” will be performed by the utility owner, after the work described in “Site Preparation Type by Contractor”:

Site Preparation Type by Contractor

Site Preparation Type	Site Preparation Work
(A)	Demolition and excavation to subgrade

Utility Work by Owners

Site Preparation Type	Owner	Location of Utility (Proposed TC Sta.)	Work Description	N/W
(A)	ATT	0+85.87	Modified Tele MH Vault To Be Adjusted To Final Grade	5/1
(A)	ATT	1+12.29 and 1+44.84	Exist Tele MH Vault To Be Adjusted To Grade	5/2
(A)	COX	1+52.04	Exist Fiber Optic MH Vault To Be Relocated	30/5
(A)	TWC	0+74.69 and 3+00.44	Exist Cable TV Pull Box To Be Adjusted to Grade	45/5
(A)	SDGE	0+33.92, 0+60.91 and 2+42.25	Exist Elec MH Vault To Be Adjusted To Grade	30/5
(A)	SDGE	1+10 to 1+50	Exist Conduit To Be Lowered	30/10

Contractor shall coordinate with utility owners for work described above and demobilize construction activity, equipment and material for the specific locations while the utility owners conduct work for the specific days agreed upon.

SECTION 6 - PROSECUTION, PROGRESS AND ACCEPTANCE OF WORK

6-1.2 Commencement of Work. To the City Supplement, ADD the following:

5. Contractor shall comply with requirements stated in section 14.2 Contractor’s Insurance Requirements of the License Agreement in Appendix “G” before the NTP is issued.

6-2.1 Moratoriums. To the City Supplement, ADD the following:

Do not work in the areas where there is currently a moratorium issued by the City. The areas subject to moratorium are listed here:

- a) La Jolla Village Drive from Thanksgiving Day to New Years Day (inclusive).

SECTION 7 - RESPONSIBILITIES OF THE CONTRACTOR

7-3 LIABILITY INSURANCE. DELETE in its entirety and SUBSTITUTE with the following:

The insurance provisions herein must not be construed to limit your indemnity obligations contained in the Contract.

7-3.1 Policies and Procedures.

1. You must procure the insurance described below, at its sole cost and expense, to provide coverage against claims for loss including injuries to persons or damage to property, which may arise out of or in connection with the performance of the Work by you, your agents, representatives, officers, employees or Subcontractors.

2. Insurance coverage for property damage resulting from your operations is on a replacement cost valuation. The market value will not be accepted.
3. You must maintain this insurance for the duration of this contract and at all times thereafter when you are correcting, removing, or replacing Work in accordance with this contract. Your liabilities under the Contract, e.g., your indemnity obligations, is not deemed limited to the insurance coverage required by this contract.
4. Payment for insurance is included in the various items of Work as bid by you, and except as specifically agreed to by the City in writing, you are not entitled to any additional payment. Do not begin any work under this contract until you have provided and the City has approved all required insurance.
5. Policies of insurance must provide that the City is entitled to 30 days (10 days for cancellation due to non-payment of premium) prior written notice of cancellation or non-renewal of the policy. Maintenance of specified insurance coverage is a material element of the Contract. Your failure to maintain or renew coverage or to provide evidence of renewal during the term of the Contract may be treated by the City as a material breach of the Contract.

7-3.2 Types of Insurance.

7-3.2.1 Commercial General Liability Insurance.

1. Commercial General Liability Insurance must be written on the current version of the ISO Occurrence form CG 00 01 07 98 or an equivalent form providing coverage at least as broad.
2. The policy must cover liability arising from premises and operations, XCU (explosions, underground, and collapse), independent contractors, products/completed operations, personal injury and advertising injury, bodily injury, property damage, and liability assumed under an insured’s contract (including the tort liability of another assumed in a business contract).
3. There must be no endorsement or modification limiting the scope of coverage for either “insured vs. insured” claims or contractual liability. You must maintain the same or equivalent insurance for at least 10 years following completion of the Work.
4. All costs of defense must be outside the policy limits. Policy coverage must be in liability limits of not less than the following:

<u>General Annual Aggregate Limit</u>	<u>Limits of Liability</u>
Other than Products/Completed Operations	\$2,000,000
Products/Completed Operations Aggregate Limit	\$2,000,000
Personal Injury Limit	\$1,000,000
Each Occurrence	\$1,000,000

7-3.2.2 Commercial Automobile Liability Insurance.

1. You must provide a policy or policies of Commercial Automobile Liability Insurance written on the current version of the ISO form CA 00 01 12 90 or later version or equivalent form providing coverage at least as broad in the amount of \$1,000,000 combined single limit per accident, covering bodily injury and property damage for owned, non-owned, and hired automobiles (“Any Auto”).
2. All costs of defense must be outside the limits of the policy.

7-3.2.3 Contractors Pollution Liability Insurance.

1. You must procure and maintain at your expense or require Subcontractor, as described below to procure and maintain, the Contractors Pollution Liability Insurance including contractual liability coverage to cover liability arising out of cleanup, removal, storage, or handling of hazardous or toxic chemicals, materials, substances, or any other pollutants by you or any Subcontractor in an amount not less than \$2,000,000 limit for bodily injury and property damage.
2. All costs of defense must be outside the limits of the policy. Any such insurance provided by Subcontractor instead of you must be approved separately in writing by the City.
3. For approval of a substitution of Subcontractor’s insurance, you must certify that all activities for which the Contractors Pollution Liability Insurance will provide coverage will be performed exclusively by the Subcontractor providing the insurance. The deductible must not exceed \$25,000 per claim.
4. Contractual liability must include coverage of tort liability of another party to pay for bodily injury or property damage to a third person or organization. There must be no endorsement or modification of the coverage limiting the scope of coverage for either “insured vs. insured” claims or contractual liability.
5. Occurrence based policies must be procured before the Work commences and must be maintained for the Contract Time. Claims Made policies must be procured before the Work commences, must be maintained for the Contract Time, and must include a 12 month extended Claims Discovery Period applicable to this contract or the existing policy or policies must continue to be maintained for 12 months after the completion of the Work without advancing the retroactive date.
6. Except as provided for under California law, the policy or policies must provide that the City is entitled to 30 days prior written notice (10 days for cancellation due to non-payment of premium) of cancellation or non-renewal of the policy or policies.

7-3.2.4 Contractors Hazardous Transporters Pollution Liability Insurance.

1. You must provide at your expense or require Subcontractor to provide, as described below Contractors Hazardous Transporters Pollution Liability Insurance including contractual liability coverage to cover liability arising out of transportation of hazardous or toxic, materials, substances, or any other

pollutants by you or any Subcontractor in an amount not less than \$2,000,000 limit per occurrence/aggregate for bodily injury and property damage.

2. All costs of defense must be outside the limits of the policy. The deductible must not exceed \$25,000 per claim. Any such insurance provided by a subcontractor instead of you must be approved separately in writing by the City.
3. For approval of the substitution of Subcontractor's insurance the Contractor shall certify that all activities for which Contractors Hazardous Transporters Pollution Liability Insurance will provide coverage will be performed exclusively by the Subcontractor providing the insurance.
4. Contractual liability must include coverage of tort liability of another party to pay for bodily injury or property damage to a third person or organization. There must be no endorsement or modification of the coverage limiting the scope of coverage for either "insured vs. insured" claims or contractual liability. Occurrence based policies must be procured before the Work commences and must be maintained for the duration of this contract. Claims Made policies must be procured before the Work commences, must be maintained for the duration of this contract, and must include a 12 month extended Claims Discovery Period applicable to this contract or the existing policy or policies must continue to be maintained for 12 months after the completion of the Work under this contract without advancing the retroactive date.
5. Except as provided for under California law, the policy or policies must provide that the City is entitled to 30 days prior written notice (10 days for cancellation due to non-payment of premium) of cancellation or non-renewal of the policy or policies.

7-3.3 Rating Requirements. Except for the State Compensation Insurance Fund, all insurance required by this contract as described herein must be carried only by responsible insurance companies with a rating of, or equivalent to, at least "A-, VI" by A.M. Best Company, that are authorized by the California Insurance Commissioner to do business in the State, and that have been approved by the City.

7-3.3.1 Non-Admitted Carriers. The City will accept insurance provided by non-admitted, "surplus lines" carriers only if the carrier is authorized to do business in the State and is included on the List of Approved Surplus Lines Insurers (LASLI list).

All policies of insurance carried by non-admitted carriers must be subject to all of the requirements for policies of insurance provided by admitted carriers described herein.

7-3.4 Evidence of Insurance. Furnish to the City documents e.g., certificates of insurance and endorsements evidencing the insurance required herein, and furnish renewal documentation prior to expiration of this insurance. Each required document must be signed by the insurer or a person authorized by the insurer to bind coverage on its behalf. We reserve the right to require complete, certified copies of all insurance policies required herein.

7-3.5 Policy Endorsements.

7-3.5.1 Commercial General Liability Insurance.

7-3.5.1.1 Additional Insured.

- a) You must provide at your expense policy endorsement written on the current version of the ISO Occurrence form CG 20 10 11 85 or an equivalent form providing coverage at least as broad.
- b) To the fullest extent allowed by law e.g., California Insurance Code §11580.04, the policy must be endorsed to include the City and its respective elected officials, officers, employees, agents, and representatives as additional insured.
- c) The additional insured coverage for projects for which the Engineer's Estimate is \$1,000,000 or more must include liability arising out of: (a) Ongoing operations performed by you or on your behalf, (b) your products, (c) your work, e.g., your completed operations performed by you or on your behalf, or (d) premises owned, leased, controlled, or used by you.
- d) The additional insured coverage for projects for which the Engineer's Estimate is less than \$1,000,000 must include liability arising out of: (a) Ongoing operations performed by you or on your behalf, (b) your products, or (c) premises owned, leased, controlled, or used by you.

7-3.5.1.2 Primary and Non-Contributory Coverage. The policy must be endorsed to provide that the coverage with respect to operations, including the completed operations, if appropriate, of the Named Insured is primary to any insurance or self-insurance of the City and its elected officials, officers, employees, agents and representatives. Further, it must provide that any insurance maintained by the City and its elected officials, officers, employees, agents and representatives must be in excess of your insurance and must not contribute to it.

7-3.5.1.3 Project General Aggregate Limit. The policy or policies must be endorsed to provide a Designated Construction Project General Aggregate Limit that will apply only to the Work. Only claims payments which arise from the Work must reduce the Designated Construction Project General Aggregate Limit. The Designated Construction Project General Aggregate Limit must be in addition to the aggregate limit provided for the products-completed operations hazard.

7-3.5.2 Commercial Automobile Liability Insurance.

7-3.5.2.1 Additional Insured. Unless the policy or policies of Commercial Auto Liability Insurance are written on an ISO form CA 00 01 12 90 or a later version of this form or equivalent form providing coverage at least as broad, the policy must be endorsed to include the City and its respective elected officials, officers, employees, agents, and representatives as additional insured, with respect to liability arising out of automobiles owned, leased, hired or borrowed by you or on your behalf. This endorsement is limited to the obligations permitted by California Insurance Code §11580.04.

7-3.5.3 Contractors Pollution Liability Insurance Endorsements.

7-3.5.3.1 Additional Insured.

- a) The policy or policies must be endorsed to include as an Insured the City and its respective elected officials, officers, employees, agents, and representatives, with respect to liability arising out of: (a) Ongoing operations performed by you

or on your behalf, (b) your products, (c) your work, e.g., your completed operations performed by you or on your behalf, or (d) premises owned, leased, controlled, or used by you; except that in connection with, collateral to, or affecting any construction contract to which the provisions of subdivision (b) of § 2782 of the California Civil Code apply, this endorsement must not provide any duty of indemnity coverage for the active negligence of the City and its respective elected officials, officers, employees, agents, and representatives in any case where an agreement to indemnify the City and its respective elected officials, officers, employees, agents, and representatives would be invalid under subdivision (b) of §2782 of the California Civil Code.

- b) In any case where a claim or loss encompasses the negligence of the Insured and the active negligence of the City and its respective elected officials, officers, employees, agents, and representatives that is not covered because of California Insurance Code §11580.04, the insurer's obligation to the City and its respective elected officials, officers, employees, agents, and representatives must be limited to obligations permitted by California Insurance Code §11580.04.

7-3.5.3.2 Primary and Non-Contributory Coverage. The policy or policies must be endorsed to provide that the insurance afforded by the Contractors Pollution Liability Insurance policy or policies is primary to any insurance or self-insurance of the City and its elected officials, officers, employees, agents and representatives with respect to operations including the completed operations of the Named Insured. Any insurance maintained by the City and its elected officials, officers, employees, agents and representatives must be in excess of your insurance and must not contribute to it.

7-3.5.3.3 Severability of Interest. For Contractors Pollution Liability Insurance, the policy or policies must provide that your insurance must apply separately to each insured against whom claim is made or suit is brought, except with respect to the limits of the insurer's liability and must provide cross-liability coverage.

7-3.5.4 Contractors Hazardous Transporters Pollution Liability Insurance Endorsements.

7-3.5.4.1 Additional Insured.

- a) The policy or policies must be endorsed to include as an Insured the City and its respective elected officials, officers, employees, agents, and representatives, with respect to liability arising out of: (a) Ongoing operations performed by you or on your behalf, (b) your products, (c) your work, e.g., your completed operations performed by you or on your behalf, or (d) premises owned, leased, controlled, or used by you; except that in connection with, collateral to, or affecting any construction contract to which the provisions of subdivision (b) of §2782 of the California Civil Code apply, this endorsement must not provide any duty of indemnity coverage for the active negligence of the City and its respective elected officials, officers, employees, agents, and representatives in any case where an agreement to indemnify the City and its respective elected officials, officers, employees, agents, and representatives would be invalid under subdivision (b) of §2782 of the California Civil Code.
- b) In any case where a claim or loss encompasses the negligence of the Insured and the active negligence of the City and its respective elected officials, officers, employees, agents, and representatives that is not covered because of California

Insurance Code §11580.04, the insurer's obligation to the City and its respective elected officials, officers, employees, agents, and representatives must be limited to obligations permitted by California Insurance Code §11580.04.

- 7-3.5.4.2 Primary and Non-Contributory Coverage.** The policy or policies must be endorsed to provide that the insurance afforded by the Contractors Pollution Liability Insurance policy or policies is primary to any insurance or self-insurance of the City and its elected officials, officers, employees, agents and representatives with respect to operations including the completed operations of the Named Insured. Any insurance maintained by the City and its elected officials, officers, employees, agents and representatives must be in excess of your insurance and must not contribute to it.
- 7-3.5.4.3 Severability of Interest.** For Contractors Hazardous Transporters Pollution Liability Insurance, the policy or policies must provide that your insurance must apply separately to each insured against whom claim is made or suit is brought, except with respect to the limits of the insurer's liability and must provide cross-liability coverage.
- 7-3.6 Deductibles and Self-Insured Retentions.** You must pay for all deductibles and self-insured retentions. You must disclose deductibles and self-insured retentions to the City at the time the evidence of insurance is provided.
- 7-3.7 Reservation of Rights.** The City reserves the right, from time to time, to review your insurance coverage, limits, deductibles and self-insured retentions to determine if they are acceptable to the City. The City will reimburse you, without overhead, profit, or any other markup, for the cost of additional premium for any coverage requested by the Engineer but not required by this contract.
- 7-3.8 Notice of Changes to Insurance.** You must notify the City 30 days prior to any material change to the policies of insurance provided under this contract.
- 7-3.9 Excess Insurance.** Policies providing excess coverage must follow the form of the primary policy or policies e.g., all endorsements.
- 7-3.10 Architects and Engineers Professional Insurance (Errors and Omissions Insurance).**
1. For contracts with required engineering services (e.g., Design-Build, preparation of engineered Traffic Control Plans (TCP), etc. by the Contractor) for all of your employees or Subcontractors who provide professional engineering services under this contract, you must keep or must require its Subcontractor keep in full force and effect, Professional Liability coverage with a limit of **\$1,000,000** per claim and **\$2,000,000** annual aggregate.
 2. You must ensure both that: (a) the policy retroactive date is on or before the date of commencement of the Project; and (b) the policy will be maintained in force for a period of 3 years after completion of the Project or termination of this contract whichever occurs last. You agree that for the time period specified above, there will be no changes or endorsements to the policy that affect the specified coverage.
 3. If professional engineering services are to be provided solely by the Subcontractor, you must (a) certify this to the City in writing and (b) agree in writing to require the Subcontractor to procure Professional Liability coverage in accordance with the requirements set forth above.

7-4 WORKERS' COMPENSATION INSURANCE. DELETE in its entirety and SUBSTITUTE with the following:

7-4.1 Workers' Compensation Insurance and Employers Liability Insurance.

1. In accordance with the provisions of §3700 of the California Labor Code, you must provide at your expense Workers' Compensation Insurance and Employers Liability Insurance to protect you against all claims under applicable state workers compensation laws. The City, its elected officials, and employees will not be responsible for any claims in law or equity occasioned by your failure to comply with the requirements of this section.

2. Limits for this insurance must be not less than the following:

<u>Workers' Compensation</u>	<u>Statutory Employers Liability</u>
Bodily Injury by Accident	\$1,000,000 each accident
Bodily Injury by Disease	\$1,000,000 each employee
Bodily Injury by Disease	\$1,000,000 policy limit

3. By signing and returning the Contract you certify that you are aware of the provisions of §3700 of the Labor Code which require every employer to be insured against liability for worker's compensation or to undertake self-insurance in accordance with the provisions of that code and you must comply with such provisions before commencing the Work as required by §1861 of the California Labor Code.

7-4.1.1 Waiver of Subrogation. The policy or policies must be endorsed to provide that the insurer will waive all rights of subrogation against the City, and its respective elected officials, officers, employees, agents, and representatives for losses paid under the terms of the policy or policies and which arise from work performed by the Named Insured for the City.

7-10.2.2 ENGINEERED Traffic Control Plans Provided by the Contractor. To the City Supplement, ADD the following:

Engineered "D" size TCP are required for the following areas:

1. Intersection of La Jolla Village Road and Regents Road during Traffic Signal Modification and Striping Improvements.

7-10.5.3 Steel Plate Covers. Table 7-10.5.3(A), REVISE the plate thickness for 5'-3" trench width to read 1 3/4".

7-15 INDEMNIFICATION AND HOLD HARMLESS AGREEMENT. To the City Supplement, fourth paragraph, last sentence, DELETE in its entirety and SUBSTITUTE with the following:

Your duty to indemnify and hold harmless does not include any claims or liability arising from the established active or sole negligence, or willful misconduct of the City, its officers, or employees.

SECTION 8 - FACILITIES FOR AGENCY PERSONNEL

8-2 **FIELD OFFICE FACILITIES.** To the City Supplement, DELETE in its entirety.

SECTION 9 - MEASUREMENT AND PAYMENT

9-3.2.5 **Withholding of Payment.** To the City Supplement, item i), DELETE in its entirety and SUBSTITUTE with the following:

- i) Your failure to comply with 7-2.3, "PAYROLL RECORDS" and 2-16, "CONTRACTOR REGISTRATION AND ELECTRONIC REPORTING SYSTEM."

ADD:

9-3.7 **Compensation Adjustments for Price Index Fluctuations.** Compensation Adjustments for Price Index Fluctuations. This Contract is not subject to the provisions of The WHITEBOOK for Compensation Adjustments for Price Index Fluctuations for the paving asphalt.

SECTION 207 – PIPE

207-27 **FUSIBLE NON-PRESSURE POLYVINYLCHOLORIDE PIPE.** DELETE in its entirety.

SECTION 209 – STREET LIGHTING AND TRAFFIC SIGNAL MATERIALS

209-6.4 **Induction Cobra Head Luminaire.** To the City Supplement, CORRECT certain section numbering as follows:

OLD SECTION NUMBER	TITLE	NEW SECTION NUMBER
209-6.4.7	Luminaire Identification	209-6.4.8
209-6.4.8	Photometric Documentation	209-6.4.9
209-6.4.9	Quality Assurance	209-6.4.10

SECTION 212 - LANDSCAPE AND IRRIGATION MATERIALS

212-1 **LANDSCAPE MATERIALS.**

212-1.2 **Soil Fertilizing And Conditioning Materials.**

212-1.2.1 **General.** ADD the following:

Agricultural grade gypsum shall be a (CA SO4 H2O) calcium sulfate product -minus ninety-four point three percent (-94.3%). Ninety percent (90%) shall pass a fifty (50) mesh screen. Control of dust during application is mandatory. (Shall be similar or equal to: U.S. Gypsum, Dolmar or Bandini).

Iron Sulfate-Iron shall be expressed as metallic-derived from sulfate-deep green (FE SO4 H2O). A minimum of twenty percent (20%) and ninety-eight point three percent (98.3%) retained on a ten (10) mesh screen. Iron is required for the formation of chlorophyll in

plant cells. Application in western soils deters any iron chlorosis symptoms of plants. (Shall be similar or equal to: Wilson and George Meyer, Wil-Gro).

212-1.2.3 Commercial Fertilizer. ADD the following:

Pre-plant fertilizer shall be granular commercial fertilizer 10-10-10 or approved equal.

Post-plant fertilizer shall be 14-7-3 or approved equal with Ca, Fe, Zn, and Mn, and with the majority of nitrogen in non-ammoniac form to prevent acidification of soil.

Planting tablets shall be compressed, slow-release fertilizer tablets (20-10-5), and five (5) and twenty-one (21) gram sizes.

212-1.2.4 Organic Soil Amendment. ADD the following:

Organic Soil enhancer shall be "Sarvon" by Butler's Mills or approved equal.

212-1.2.5 Mulch. ADD the following:

Type 5 mulch shall be three inches by one-half inch (3" x 1 ½") fir bark chip, or equal commercial mulch product. Submit two (2) samples for approval. The material shall be rich brown in color and free of seeds, debris, and deleterious materials.

ADD:

212-1.2.7 Herbicides and Pesticides.

Herbicides and pesticides shall be used in their appropriate applications with strict adherence to manufacturers' specifications and instructions.

Post-emergent herbicide for all areas shall be Roundup, Diquat, Montar, or approved equal.

Pre-emergent herbicide for shrub and groundcover areas (planted from flats) shall be Treflan, Surflan, Eptan, or approved equal.

212-1.4 Plants.

212-1.4.1 General. ADD the following:

Contractor shall coordinate through Resident Engineer for final plant material selection including plant type and size.

Contractor shall notify Resident Engineer forty-eight (48) hours before each plant delivery so the plants can be inspected and approved prior to planting.

Quality and Size: Plants shall be in accordance with the California State Department of Agriculture regulations for nursery inspections, rules and grading. Sizes shall conform to the dimensions indicated on the plans.

The Resident Engineer is sole judge as to acceptability of each plant. Vigorous, healthy, well-proportioned plants are the intent of this specification. Plants which are even moderately "overgrown," or are showing signs of decline or lack of vigor, are subject to rejection. The size of the plants will correspond with that normally expected for species

and variety of commercially available nursery stock, or as specified in the special conditions or drawings. Plants larger in size than specified may be used with the approval of the Resident Engineer, but the use of larger plants shall not cause any increase in the contract price. If the use of larger plants is approved, the area excavated to allow the spread of roots for each plant shall be increased proportionately.

Rejection of Substitution: All plants not conforming to the requirements herein specified, shall be considered defective, and such plants, whether in place or not, shall be marked as rejected and immediately removed from the site and replaced with new plants by the Contractor, at Contractor's expense.

Right to Changes: The Resident Engineer reserves the right to change the species, variety, and/or sizes of plant material to be furnished, provided that the cost of such plant changes does not exceed the cost of plants in the original bid, and with the provision that the Contractor shall be notified, in writing, at least thirty (30) days before the planting operation has commenced.

212-2.4 Sprinkler Equipment. ADD the following:

All irrigation equipment shall be per irrigation legend, details, and plan notes.

SECTION 300 – EARTHWORK

300-1.1 General. DELETE the last sentence of second paragraph in its entirety and SUBSTITUTE the following:

Clearing and grubbing shall also include any saw cutting, demolition, removal, and disposal of all existing improvements including, but not limited to, walls, concrete structures, raised medians, curbs, gutters, cross gutters, pipes, drains, inlets, sidewalks, driveways, CTB, asphalt concrete, PCC, and pavement sections to new subgrade elevation, trees, shrubs, landscaping, abandoned utilities, and all other existing improvements that are shown on the plans for removal, directed by the Engineer to be removed, or otherwise required to perform the work.

During clearing and grubbing operations, the Contractor shall make every effort to ensure the safety of pedestrian and vehicular traffic in the area of removal and the adjacent property. Unless specified for removal or relocation, the Contractor shall protect all existing improvements in place in accordance with Section 300-1.2 of the Standard Specifications. Any public or private improvements that are not shown for removal and are not in conflict with the work, but are damaged by the Contractor during the work, shall be replaced by the Contractor in an equal or better condition to the satisfaction of the Engineer, at no additional cost. All portions of existing public or private improvements impacted by clearing and grubbing operations shall be restored to match the original condition. After clearing and grubbing operations are completed and prior to completion of the work, the Contractor shall install any adequate temporary facilities that are required to provide interim service to the residents affected by the work. This shall include, but not be limited to, temporary signs, mail boxes, fencing, gates, sidewalks, walkways, steps, driveway paving, roadway paving, or similar facilities.

ADD:

300-1.1.1 Minor Relocations and Replacements. Any existing facilities that are shown for relocation, or otherwise require relocation as a result of the Work, to restore the site to

the existing condition or better, as determined by the Engineer, shall be carefully removed in an undamaged condition and stored by the Contractor until they are ready to be re-installed. Relocations shall include, but not be limited to, mail boxes, signs, posts, lights, fences, gates, decorative pavers, irrigation systems, pull boxes, drains, and similar items. Prior to re-installation, any items requiring relocation shall be cleaned, repaired, and repainted as required to restore them their original condition or better, as determined by the Engineer. Any items requiring relocation that are damaged or cannot be restored to their original condition shall be replaced by the Contractor at no additional cost. Any signs and/or posts that are to be relocated or replaced shall be installed at the approved elevation for the specific sign or post. This may involve adding an approved post extension or replacing the existing post with a new post so that the elevation requirements can be met. These costs shall be included in the price for the relocation or replacement. Existing landscaping shall be replaced with an equivalent type of planting. Irrigation systems shall be modified and restored to an operational condition with adequate coverage of the entire replanted area.

Signs that are to be relocated shall be removed and relocated as shown on the Plans or as directed by the Resident Engineer. Mailboxes to be relocated shall be removed and reinstalled in the location indicated by the Resident Engineer.

The Contractor shall protect existing structures, landscaping, or irrigation at the relocation area. Any facilities damaged during relocation shall be replaced or repaired, in kind, at no cost to the City. All relocations shall be re-installed in accordance with the requirements of the appropriate section within the standard specifications or in accordance with the industry standards for the items installed.

300-1.3 Removal and Disposal of Materials.

300-1.3.1 General. DELETE this subsection in its entirety and SUBSTITUTE the following:

All materials removed shall be disposed of at a legal disposal site and the Contractor shall obtain and pay for all necessary permits or approvals required in connection with disposal of removed materials. Items and materials indicated to be salvaged shall be removed and delivered to the City division specified by the Resident Engineer.

300-1.3.2 Requirements. Paragraph a, ADD the following:

1. The bituminous pavement removals shall include removal of the asphalt surface material and underlying base or compacted native soil sufficient to allow construction of the proposed improvements.

ADD:

300-1.3.5 Saw Cutting. When pavement is saw cut, the pavement shall be cut to a true line so that a straight edge is left at the completion of the work. Cutting shall be either a diamond saw cut or by a method that produces a similar result. The blade shall be of such size and configuration that the desired dimensions of the saw cut can be made with one pass. Either dry or wet cutting will be allowed.

Saw cut surfaces shall be thoroughly cleaned to remove any dirt, dust, or deleterious matter adhering to the saw cut faces. Saw cut surfaces shall be dried prior to placing new material in contact with the saw cut face. All sawing slurry from the wet sawing

process shall be blown or brushed off the pavement surface. Dry dust and material from the dry sawing process shall be blown or brushed off the pavement surface.

Residue resulting from saw cutting operations shall not be permitted to flow across shoulders or lanes occupied by public traffic and shall be removed from the pavement surface by vacuuming or other approved method before any residue flows off of the pavement surface. Residue from saw cutting operations shall be disposed of outside of the right of way in conformance with the specifications and local regulations.

300-1.4 Payment. To the City Supplement, paragraph (2), DELETE in its entirety and SUBSTITUTE with the following:

2. Payment for existing pavement removal and disposal of up to 12" thick, within the excavation e.g., trench limits, shall be included in the Bid item for installation of the mains or the Work item that requires pavement removal.

ADD the following:

7. The contract price paid for saw cutting shall be included in the Bid item for Clearing and Grubbing, and shall include full compensation for furnishing all labor, materials, tools, equipment, and incidentals, and for doing all the work necessary to perform the saw cutting as designated on the plans, as noted in the Specifications, and as directed by the Engineer.

300-2.9 Payment. ADD the following:

Unclassified excavation to include compensation for any work required between the back of existing sidewalk and the face of the proposed retaining wall for the length of the proposed retaining wall in order to construct the improvements as identified on the construction drawings.

SECTION 302 – ROADWAY SURFACING

302-3 Preparatory Repair Work. To the City Supplement, DELETE in its entirety and SUBSTITUTE with the following:

302-3 Preparatory Repair Work.

1. Prior to roadway resurfacing or the application of slurry, the Contractor shall complete all necessary preparation and repair work to the road segment e.g., tree trimming, weed spray, weed abatement, crack sealing, asphalt repair, hump removal, miscellaneous asphalt patching, removal of raised pavement markers, removal of pavement markings, etc. and as specified in the Special Provisions.
2. Preparatory work shall include, but not be limited to, tree trimming, weed spray, weed abatement, crack sealing, asphalt repair i.e., mill and pave, hump removal, miscellaneous asphalt patching, removal of raised pavement markers, removal of pavement markings, etc.
3. The Contractor shall repair areas of distressed asphalt concrete pavement by milling or removing damaged areas of pavement to a minimum depth of 2" for Residential streets, and a minimum depth of 3" for all others to expose firm

and unyielding pavement. The Contractor shall prepare subgrade as needed and install a minimum of 2" for residential streets, and a minimum of 3" for all others, of compacted asphalt concrete pavement over compacted native material as directed by the Engineer.

4. If, in order to achieve the minimum specified depth, the base material is exposed, the material shall be compacted to 95% relative compaction to a depth 10" below the finished grade (dig out). Compaction tests shall be made to ensure compliance with the specifications. The Engineer will determine when and where the test will occur. The City will pay for the soils testing required by the Engineer, which meets the required compaction. The Contractor shall reimburse the City for the cost of retesting failing compaction tests. If additional base material is required, the Contractor shall use Class 2 Aggregate Base in accordance with 200-2.2, "Crushed Aggregate Base."
5. Recycled base material shall conform to Crushed Miscellaneous Base Material in accordance with 200-2.4, "Crushed Miscellaneous Aggregate Base."
6. Prior to replacing asphalt, the area shall be cleaned by removing all loose and damaged material, moisture, dirt, and other foreign matter and shall be tack coated in accordance with 302-5.4 "Tack Coat."
7. The Contractor shall install new asphalt within the repair area or for patches in accordance with 302-5, "ASPHALT CONCRETE PAVEMENT." Asphalt concrete shall be C2-PG 64-10 in compliance with 400-4, "ASPHALT CONCRETE."
8. No preparatory asphalt work shall be done when the atmospheric temperature is below 50 °F or during unsuitable weather.
9. Following the asphalt placement, the Contractor shall roll the entire area of new asphalt in both directions at least twice. The finished patch shall be level and smooth in compliance with 302-5.6.2 "Density and Smoothness." After placement and compaction of the asphalt patch, the Contractor shall seal all finished edges with a 4" wide continuous band of SS-1H.
10. The minimum dimension for each individual repair shall be 4' x 4' and shall be subject to the following conditions:
 - a) If the base material is exposed to achieve the required minimum removal thickness, the base material shall be prepared conforming to 301-1, "SUBGRADE PREPARATION."
 - b) When additional base material is required, then the contractor shall use Crushed Aggregate Base in accordance with 200-2.2, "Crushed Aggregate Base." Recycled base material shall conform to Crushed Miscellaneous Base Material in accordance with 200-2.4, "Crushed Miscellaneous Base."
 - c) The Contractor may use grinding as a method for removal of deteriorated pavement when the areas indicated for removal are large enough (a minimum of the machine drum width) and when approved by the Engineer.

- d) For both scheduled and unscheduled base repairs, failed areas may be removed by milling or by excavation provided that the edges are cut cleanly with a saw. The areas shall be cleaned and tack coated in accordance with 302-5.4, "Tack Coat" before replacing the asphalt. The areas for scheduled repairs have been marked on the street.

302-3.1 Asphalt Patching.

1. Asphalt patching shall consist of patching potholes, gutter-line erosion, and other low spots in the pavement that are deeper than ½" per 302-5.6.2, "Density and Smoothness." These areas are generally smaller and more isolated than those areas in need of mill and pave.
2. The areas requiring patching have been identified in the Contract Documents, marked on the streets, or as directed by the Engineer. The Contractor shall identify any new areas that may require patching prior to slurry work to ensure the smoothness and quality of the finished product.
3. The Contractor shall identify and repair any areas that may require patching, prior to the placement of slurry seal for smooth finished product.
4. Asphalt overlay shall not be applied over deteriorated pavement. Preparatory asphalt work shall be completed and approved by the Engineer before proceeding with asphalt overlay.
5. The Contractor shall remove distressed asphalt pavement either by saw cutting or milling, to expose firm and unyielding pavement; prepare subgrade (as needed); and install compacted asphalt concrete pavement over compacted native material as directed by the Engineer.
6. Prior to replacing asphalt, the area shall be cleaned and tack coated per 302-5.4, "Tack Coat".
7. Following the asphalt placement, the Contractor shall roll the entire patch in both directions covering the patch at least twice.
8. After placement and compaction of the asphalt patch, the Contractor shall seal all finished edges with a 4" wide continuous band of SS-1H.
9. Base repairs shall not exceed 20% RAP in content.

302-3.2 Payment.

1. Payment for replacement of existing pavement when required shall be included in the unit bid price for Asphalt Pavement repair for the total area replaced and no additional payment shall be made regardless of the number of replacements completed. No payment shall be made for areas of over excavation or outside trench areas in utility works unless previously approved by the Engineer. No payment for pavement replacement will be made when the damage is due to the Contractor's failure to protect existing improvements. The Contractor shall reimburse the City for the cost of retesting all failing compaction tests.

2. The areas and quantities shown on the road segments and in appendices are given only for the Contractor's aid in planning the Work and preparing Bids. The Engineer will designate the limits to be removed and these designated areas shall be considered to take precedent over the area shown in an Appendix to the Contract Documents. The quantities shown in the appendices are based on a street assessment survey and may vary.
3. At the end of each day, the Contractor shall submit to the Engineer an itemized list of the asphalt pavement repair work completed. The list shall include the location of the work and the exact square footage of the repair.
4. Preparatory repair work and tack coating will be paid at the Contract unit price per ton for Asphalt Pavement Repair. No payment shall be made for areas of over excavation unless previously approved by the Engineer.
5. Milling shall be included in the Bid item for Asphalt Pavement Repair unless separate Bid item has been provided.
6. Payment for miscellaneous asphalt patching shall be included in the Contract unit price for slurry and no additional payment shall be made therefore.

302-5.1.1 Damaged AC Pavement Replacement. To the City Supplement, DELETE in its entirety.

302-5.1.2 Measurement and Payment. To the City Supplement, DELETE in its entirety.

SECTION 303 - CONCRETE AND MASONRY CONSTRUCTION

303-1 CONCRETE STRUCTURES.

303-1.1 General.

ADD:

303-1.1.1 Retaining Wall. The proposed retaining wall shall be as specified on plans. The wall shall be constructed with textured surface achieved through form liners equal to Phoenix Limestone #117 (irregular rounds at 1 1/8" relief max) as manufactured by Scott System Inc. or approved equal unless otherwise noted. A sample shall be provided to the Resident Engineer for approval prior to construction of the retaining wall.

Compact all fill soils beneath wall footings to ninety percent (90%) of the maximum dry density.

After construction of retaining wall, apply two (2) coats of anti-graffiti coating to the face of wall in accordance with the manufacturer's recommendations. The coating shall have a five (5) year warranty and shall be "Hardgaurd PK-2 (clear)" or approved equal.

303-1.11 Measurement and Payment. ADD the following:

Retaining walls shall be measured by the square foot (SF) of the exposed face from the top of the footing up to the top of the wall. The bid contract price for Retaining Wall shall include full compensation for furnishing all labor, materials, tools, equipment and incidentals, minor grading, gravel, excavation and select pervious

backfill behind the wall, retaining walls, including concrete, grout, mortar, reinforcement, footings, filter fabric, waterproofing, weep holes, gravel drains, 4” perforated PVC drain pipes, anti-graffiti coating, and all other work necessary to complete in place, as shown on the plans and as specified in these Special Provisions, and as directed by the Engineer.

303-5 CONCRETE CURBS, WALKS, GUTTERS, CROSS GUTTERS, ALLEY INTERSECTIONS, ACCESS RAMPS AND DRIVEWAYS.

303-5.1 Requirements.

303-5.1.1 General. ADD the following:

Any special colors or scoring shall be included in the unit price for sidewalks, curb ramps, or curbs/gutter.

SECTION 306 – UNDERGROUND CONDUIT CONSTRUCTION

306-5.3 Payment. ADD the following:

7. Payment for asbestos cement pipe storm drain filled and abandoned in place shall be included in the Bid item for abandon and fill existing 15-inch ACP outside of trench limit.

306-22 Pipe Fusion. DELETE in its entirety.

SECTION 307 - STREET LIGHTING AND TRAFFIC SIGNAL SYSTEMS

307-1.2 Maintaining Existing and Temporary Electrical Systems. ADD the following:

Throughout the duration of the work, the intersection shall remain lighted at all times with existing or equivalent street lighting between the hours of 4:00 P.M. and 7:00 A.M. Shutdown of street lighting will be permitted daily from 7:00 A.M. to 4:00 P.M.

Owners of the various utilities on and near the job site are tabulated as follows:

<u>UTILITY</u>	<u>OWNER</u>
Electrical Power and Gas	San Diego Gas and Electric Company
Telephone Facilities	Pacific Bell
Cable Television	Cox Cable/Time Warner Cable
Water, Sewer and Drainage	City of San Diego

The Contractor will be required to work around existing utilities shown on the plans. Where no relocation of such facilities is scheduled, this requirement shall exist for the total period of the Contract. Relocated utilities shall be protected as provided elsewhere in these Special Provisions, the State Standard Specifications and the City Standard Specifications.

307-1.2.3 Scheduling of Work. ADD the following:

The Contractor may perform subsurface work consisting of the installation of conduit, foundations and detectors, prior to receipt of all electrical materials.

ADD:

307-1.24 Conduit. Conduit shall be a minimum of eighteen inches (18”) below the pavement surface or three inches (3”) below the bottom of pavement, whichever is greater.

All new conduit shall have bell-ends. All conduit bends where fiber optic cable is to be installed shall have a minimum radius

307-1.25 Conductors and Cables. Communication cable shall be 6-pair 22 AWG solid copper and shall conform to REA PE-39. Each pair shall be twisted to minimize crosstalk, and shall conform to the following color combinations:

Blue/White
Orange/White
Green/White

Brown/White
Slate/White
Blue/Red

The Outer jacket shall be Black polyethylene. Sequential length markings shall be surface marked at 2 ft. intervals.

307-1.26 Twisted-Pair Copper Subsystems. Cable Testing: The Contractor shall perform field acceptance tests on the installed communication cable. The City shall observe the tests and the test results shall be documented. The Contractor shall replace any cable failing these tests at no additional expense to the City. The Contractor shall provide all necessary test equipment to perform the tests. All pairs of each copper cable shall be tested for continuity, shorts, and grounds, consistent with Standard Telecommunication industry requirements.

The Contractor shall certify that all individual wires have been terminated consistent with the wire insulation color to termination pin requirements.

307-2 Payment. ADD the following:

4. The contract lump sum price paid for Modify Traffic Signal and Street Lighting System shall include full compensation for furnishing and installing signal standard, luminaries, lamps, ballast, electrical conduit, pull boxes, signal heads, detector hand hole, ADA pedestrian push buttons, vehicle detector loops, electrical service equipment and switches, and other such items required on the plans or these Special Provisions, and no additional compensation will be allowed.
5. The contract lump sum price paid for Modify Fiber Optic Networking System shall include furnishing and re-installing a fiber optic networking system composed of bid items described below and other such items required by the Standard Specifications, General Provisions, and these Special Provisions, and no additional compensation will be allowed.

Description of Bid Items:

- a. 2” PVC Conduit – Furnish and Install 2” PVC conduit;

- b. Modify Existing Pull box – Remove existing interconnect pull box, furnish and install new #6 pull box with extension and modify existing conduit sweeps so they have a maximum 45 degree bend;
 - c. 6 pair # 22 Signal Interconnect Cable – Furnish and install 6 pair #22 interconnect cable. This item shall include connecting the cable and terminating at the controller;
 - d. Testing – This item includes the contractor to test the interconnect system after all the relocation of equipment for functional integrity.
6. The Unit Price paid for Remove & Install New Electrical Conduit shall include de-energizing and removing existing electrical conduit and conductors, furnishing and installing new 2” PVC conduit, conductors, and pull box, and other such items required on the plans or these Special Provisions, and no additional compensation will be allowed.

SECTION 308 – LANDSCAPE AND IRRIGATION INSTALLATION

308-2 EARTHWORK AND TOPSOIL PLACEMENT.

308-2.3.1 General. To the City Supplement, DELETE item 1 and SUBSTITUTE with the following:

- 1. The topsoil shall be Class C (unclassified) and shall be tested and amended in accordance with 212-1.1.4 “Class ‘C’ Topsoil”.

308-5 IRRIGATION SYSTEM INSTALLATION.

308-5.1 General. ADD the following:

Materials shall be delivered and stored in accordance with Section 4 of the Standard Specifications.

Contractor shall check and verify the water pressure at Point of Connection prior to beginning of work. Notify Resident Engineer of any discrepancy between pressure indicated on plans and actual water pressure.

Contractor shall check and verify all site conditions, utilities, and services prior to trenching. Verify point of connection location prior to beginning of work.

Plans are diagrammatic and approximate. All piping, valve boxes, backflow preventers, etc., shall be located in planting areas where possible. No irrigation equipment except pipe crossings and electrical crossings shall be located in the street or under the stamped concrete portion of the medians.

All irrigation equipment shall be installed, flushed, pressure tested, and the coverage test approved by the Resident Engineer prior to plant installation.

308-5.2 Irrigation Pipeline Installation.

308-5.2.1 General. ADD the following:

Sand encasement, where applicable, for all irrigation pipe, direct burial control wire, and electrical conduit shall be plaster or mortar sand with a sand equivalent of 50, per Section 200 of the Standard Specifications.

All pressure mainline pipe shall have a continuous blue colored trench marker metallic tape placed nine inches (9") below finished grade directly above the buried pipe. Marker tape shall be "Alarmatape" as manufactured by Paul Potter Warning tape, Inc., or approved equal. Avoid installing pipe through proposed tree locations to avoid conflict with root ball. Route pipe around rootballs allowing a minimum of two feet (2') clear of rootball where possible.

All wires in pull boxes shall be loose and shall not come within three inches (3") from lid. Boxes shall be sized accordingly to accommodate this requirement.

Valve sizes shall be as specified on the plans.

308-5.6 Flushing and Testing. ADD the following:

Flush all pipe clean prior to installing sprinkler heads. Do not allow water from flushing to enter plant pits or other planting areas where water would result in over-saturation of soil creating an unhealthy condition for plant materials.

308-5.6.2 Pipeline Pressure Test. ADD the following:

Test shall be observed and approved by Resident Engineer and prior to backfilling trenches.

Coverage Test and Adjustment: When system is complete, and prior to placement of mulch, the Contractor shall responsible a coverage test in the presence of the Resident Engineer and.

Contractor shall be responsible for correcting inadequate coverage to the satisfaction of the Resident Engineer and.

ADD:

308-5.6.5 Operation and Maintenance Manuals. Prepare and deliver to the Resident Engineer within ten (10) calendar days prior to completion of construction, two (2) three ring hard cover binders containing the following information:

1. Index sheet stating Contractor's address and telephone number, list of equipment with name and addresses of local manufacturers' representatives.
2. Catalog and parts sheets on all material and equipment.
3. Contractor Guarantee statement.
4. Complete operating and maintenance instructions for all equipment.

In addition to the above mentioned maintenance manuals, provide the maintenance personnel with instructions for maintaining equipment and show evidence of such instruction in writing to the Resident Engineer at the conclusion of the project.

ADD:

308-5.12 Extra Equipment. Contractor shall provide to the Resident Engineer:

1. Three (3) keys for opening and locking each automatic controller enclosure.
2. Two (2) globe valve keys with a minimum four (4) foot long handle.
3. Four (4) replacement sprinkler heads with nozzles, screens and flexible swing joints of each type used on the project.
4. Two (2) quick coupler keys with swivel hose ells to match quick coupler valves used on the project.

308-7 GUARANTEE. To the City Supplement, DELETE in its entirety.

308-7 PAYMENT. ADD the following:

Work related to tree maintenance shall be included in the Bid items as follows:

- Tree Trimming (EA)
- Root Pruning (EA)
- Root Barrier (EA)

308-8 PAYMENT. To the City Supplement, DELETE in its entirety.

**SECTION 314 – TRAFFIC STRIPING, CURB AND PAVEMENT MARKINGS,
AND PAVEMENT MARKERS**

314-2.2 Measurement. DELETE in its entirety and SUBSTITUTE with the following:

There will be no separate measurement for the removal of traffic striping and curb and pavement markings.

314-2.3 Payment. DELETE in its entirety and SUBSTITUTE with the following:

Payment for the removal of traffic striping and curb and payment markings shall be included in the lump sum price bid for Traffic Striping and Marking and no additional compensation will be allowed.

314-3.2 Measurement. DELETE in its entirety and SUBSTITUTE with the following:

There will be no separate measurement for the removal of pavement markers.

314-3.3 Payment. DELETE in its entirety and SUBSTITUTE with the following:

Payment for the removal of pavement markers shall be included in the lump sum price bid for Traffic Striping and Marking and no additional compensation will be allowed.

- 314-4.3.6 Measurement.** DELETE in its entirety and SUBSTITUTE with the following:
- There will be no separate measurement for painted traffic stripes, painted curb markings, or painted pavement markings.
- 314-4.3.7 Payment.** DELETE in its entirety and SUBSTITUTE with the following:
- Payment for painted traffic stripes, painted curb markings, or painted pavement markings shall be included in the lump sum price bid for Traffic Striping and Marking and no additional compensation will be allowed.
- 314-4.4.5 Measurement.** DELETE in its entirety and SUBSTITUTE with the following:
- There will be no separate measurement for thermoplastic traffic stripes or thermoplastic pavement markings.
- 314-4.4.6 Payment.** DELETE in its entirety and SUBSTITUTE with the following:
- Payment for thermoplastic traffic stripes or thermoplastic pavement shall be included in the lump sum price bid for Traffic Striping and Marking and no additional compensation will be allowed.
- 314-5.5 Measurement.** DELETE in its entirety and SUBSTITUTE with the following:
- There will be no separate measurement for retro-reflective and non-reflective markers.
- 314-5.6 Payment.** DELETE in its entirety and SUBSTITUTE with the following:
- Payment for retro-reflective and non-reflective pavement markers placed on the pavement surface or in placed in the pavement recesses shall be included in the lump sum price bid for Traffic Striping and Marking and no additional compensation will be allowed.
- 314-6 Measurement and Payment.** The lump sum price bid for Traffic Striping and Markings, shall include full compensation for furnishing all labor, materials, tools, equipment and incidentals, and for all work involved in painting traffic stripes, crosswalks line, legends, pavement markings, reflectors, raised reflective pavement markings including curb markings, thermoplastic arrows, and the removal by grinding of all existing stripes and markings in conflict with the proposed striping plan, if needed, or otherwise called out for removal and temporary striping, complete in place in accordance with the plans, the standard Specifications and these special provisions, and as directed by the Resident Engineer. The Contractor will be responsible for all markings and delineation until such time as street(s) are accepted by the City of San Diego.

SECTION 701 – WATER POLLUTION CONTROL

- 701-11 Post-Construction Requirements.** To the City Supplement, second paragraph, ADD the following:
- Comply with the following post-construction requirements:
- Inlet Marker.**

SECTION 707 – RESOURCE DISCOVERIES

ADD:

707-1.1

Environmental Document. The City of San Diego Environmental Analysis Section (EAS) of the Development Services Department has prepared a Notice of Exemption for Regents Road Right Turn Lane at La Jolla Village Drive, Project no. S-00867.02.06, as referenced in the Contract Appendix. You must comply with all requirements of the Determination for Environmental Exemption as set forth in the Contract Appendix.

Compliance with the City’s environmental document is included in the various Bid items, unless a bid item has been provided.

END OF SUPPLEMENTARY SPECIAL PROVISIONS (SSP)

SUPPLEMENTARY SPECIAL PROVISIONS

APPENDICES

APPENDIX A

Notice of Exemption

NOTICE OF EXEMPTION

(Check one or both)

TO: RECORDER/COUNTY CLERK
P.O. BOX 1750, MS A-33
1600 PACIFIC HWY, ROOM 260
SAN DIEGO, CA 92101-2422

FROM: CITY OF SAN DIEGO
DEVELOPMENT SERVICES DEPARTMENT
1222 FIRST AVENUE, MS 501
SAN DIEGO, CA 92101

OFFICE OF PLANNING AND RESEARCH
1400 TENTH STREET, ROOM 121
SACRAMENTO, CA 95814

PROJECT NO.: S-00867.02.06 PROJECT TITLE: REGENTS ROAD RIGHT TURN LANE AT LA JOLLA VILLAGE DR

PROJECT LOCATION-SPECIFIC: The project site is located at the southwest intersection of La Jolla Village Drive and Regents Road in the University Community planning area.

PROJECT LOCATION-CITY/COUNTY: SAN DIEGO/SAN DIEGO

DESCRIPTION OF NATURE, PURPOSE, AND BENEFICIARIES OF PROJECT: Mayor Approval to allow for the construction of street turn pocket consisting of road widening, new road base, curb and gutter, concrete sidewalk, retaining wall, drainage, signal modifications, landscape and irrigation, street striping/markings, and traffic control. This area is not within or adjacent to the MHPA, and not within any archaeological or historical sensitivity areas.

NAME OF PUBLIC AGENCY APPROVING PROJECT: CITY OF SAN DIEGO MAYOR-APPOINTED DESIGNEE
NAME OF PERSON OR AGENCY CARRYING OUT PROJECT: Jayna Straughn, Junior Civil Engineer, City of San Diego Public Works/Engineering & Capital Projects Department, 600 B St. MS. 908A, San Diego, Ca 92101 Tel: 619- 533-5216

EXEMPT STATUS: (CHECK ONE)

- MINISTERIAL (SEC. 21080(b)(1); 15268);
- DECLARED EMERGENCY (SEC. 21080(b)(3); 15269(a));
- EMERGENCY PROJECT (SEC. 21080(b)(4); 15269 (b)(c))
- CATEGORICAL EXEMPTION: 15301 (c) – Existing Facilities
- STATUTORY EXEMPTIONS:

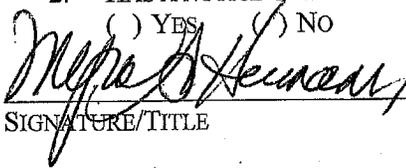
REASONS WHY PROJECT IS EXEMPT: The City of San Diego conducted an environmental review which determined that the project is a minor improvement located within the public right of way, and does not have the potential to disturb biological or historical resource. Therefore, the project meets the criteria set forth in CEQA Section 15301 which allows for the minor alteration of existing streets, sidewalks, gutters, and similar facilities involving negligible or no expansion of use beyond that existing at the time of the lead agency's determination; and where the exceptions listed in CEQA § 15300.2 would apply.

LEAD AGENCY CONTACT PERSON: MYRA HERRMANN

TELEPHONE: 619-446-5372

IF FILED BY APPLICANT:

1. ATTACH CERTIFIED DOCUMENT OF EXEMPTION FINDING.
2. HAS A NOTICE OF EXEMPTION BEEN FILED BY THE PUBLIC AGENCY APPROVING THE PROJECT?
 YES NO


SIGNATURE/TITLE SENIOR PLANNER

April 15, 2013
(DATE)

- CHECK ONE:
 SIGNED BY LEAD AGENCY
 SIGNED BY APPLICANT

DATE RECEIVED FOR FILING AT OPR:

APPENDIX B

Fire Hydrant Meter Program

CITY OF SAN DIEGO CALIFORNIA DEPARTMENT INSTRUCTIONS	NUMBER DI 55.27	DEPARTMENT Water Department
SUBJECT FIRE HYDRANT METER PROGRAM (FORMERLY: CONSTRUCTION METER PROGRAM)	PAGE 1 OF 10	EFFECTIVE DATE October 15, 2002
	SUPERSEDES DI 55.27	DATED April 21, 2000

1. **PURPOSE**

- 1.1 To establish a Departmental policy and procedure for issuance, proper usage and charges for fire hydrant meters.

2. **AUTHORITY**

- 2.1 All authorities and references shall be current versions and revisions.
- 2.2 San Diego Municipal Code (NC) Chapter VI, Article 7, Sections 67.14 and 67.15
- 2.3 Code of Federal Regulations, Safe Drinking Water Act of 1986
- 2.4 California Code of Regulations, Titles 17 and 22
- 2.5 California State Penal Code, Section 498B.0
- 2.6 State of California Water Code, Section 110, 500-6, and 520-23
- 2.7 Water Department Director

Reference

- 2.8 State of California Guidance Manual for Cross Connection Programs
- 2.9 American Water Works Association Manual M-14, Recommended Practice for Backflow Prevention
- 2.10 American Water Works Association Standards for Water Meters
- 2.11 U.S.C. Foundation for Cross Connection Control and Hydraulic Research Manual

3. **DEFINITIONS**

- 3.1 **Fire Hydrant Meter:** A portable water meter which is connected to a fire hydrant for the purpose of temporary use. (These meters are sometimes referred to as Construction Meters.)

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- 3.2 **Temporary Water Use:** Water provided to the customer for no longer than twelve (12) months.
- 3.3 **Backflow Preventor:** A Reduced Pressure Principal Assembly connected to the outlet side of a Fire Hydrant Meter.

4. **POLICY**

- 4.1 The Water Department shall collect a deposit from every customer requiring a fire hydrant meter and appurtenances prior to providing the meter and appurtenances (see Section 7.1 regarding the Fees and Deposit Schedule). The deposit is refundable upon the termination of use and return of equipment and appurtenances in good working condition.
- 4.2 Fire hydrant meters will have a 2 ½" swivel connection between the meter and fire hydrant. The meter shall not be connected to the 4" port on the hydrant. All Fire Hydrant Meters issued shall have a Reduced Pressure Principle Assembly (RP) as part of the installation. Spanner wrenches are the only tool allowed to turn on water at the fire hydrant.
- 4.3 The use of private hydrant meters on City hydrants is prohibited, with exceptions as noted below. All private fire hydrant meters are to be phased out of the City of San Diego. All customers who wish to continue to use their own fire hydrant meters must adhere to the following conditions:
 - a. Meters shall meet all City specifications and American Water Works Association (AWWA) standards.
 - b. Customers currently using private fire hydrant meters in the City of San Diego water system will be allowed to continue using the meter under the following conditions:
 - 1. The customer must submit a current certificate of accuracy and calibration results for private meters and private backflows annually to the City of San Diego, Water Department, Meter Shop.

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2. The meter must be properly identifiable with a clearly labeled serial number on the body of the fire hydrant meter. The serial number shall be plainly stamped on the register lid and the main casing. Serial numbers shall be visible from the top of the meter casing and the numbers shall be stamped on the top of the inlet casing flange.
3. All meters shall be locked to the fire hydrant by the Water Department, Meter Section (see Section 4.7).
4. All meters shall be read by the Water Department, Meter Section (see Section 4.7).
5. All meters shall be relocated by the Water Department, Meter Section (see Section 4.7).
6. These meters shall be tested on the anniversary of the original test date and proof of testing will be submitted to the Water Department, Meter Shop, on a yearly basis. If not tested, the meter will not be allowed for use in the City of San Diego.
7. All private fire hydrant meters shall have backflow devices attached when installed.
8. The customer must maintain and repair their own private meters and private backflows.
9. The customer must provide current test and calibration results to the Water Department, Meter Shop after any repairs.
10. When private meters are damaged beyond repair, these private meters will be replaced by City owned fire hydrant meters.

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11. When a private meter malfunctions, the customer will be notified and the meter will be removed by the City and returned to the customer for repairs. Testing and calibration results shall be given to the City prior to any re-installation.
 12. The register shall be hermetically sealed straight reading and shall be readable from the inlet side. Registration shall be in hundred cubic feet.
 13. The outlet shall have a 2 ½ “National Standards Tested (NST) fire hydrant male coupling.
 14. Private fire hydrant meters shall not be transferable from one contracting company to another (i.e. if a company goes out of business or is bought out by another company).
- 4.4 All fire hydrant meters and appurtenances shall be installed, relocated and removed by the City of San Diego, Water Department. All City owned fire hydrant meters and appurtenances shall be maintained by the City of San Diego, Water Department, Meter Services.
- 4.5 If any fire hydrant meter is used in violation of this Department Instruction, the violation will be reported to the Code Compliance Section for investigation and appropriate action. Any customer using a fire hydrant meter in violation of the requirements set forth above is subject to fines or penalties pursuant to the Municipal Code, Section 67.15 and Section 67.37.
- 4.6 **Conditions and Processes for Issuance of a Fire Hydrant Meter**
- Process for Issuance
- a. Fire hydrant meters shall only be used for the following purposes:
 1. Temporary irrigation purposes not to exceed one year.

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2. Construction and maintenance related activities (see Tab 2).
 - b. No customer inside or outside the boundaries of the City of San Diego Water Department shall resell any portion of the water delivered through a fire hydrant by the City of San Diego Water Department.
 - c. The City of San Diego allows for the issuance of a temporary fire hydrant meter for a period not to exceed 12 months (365 days). An extension can only be granted in writing from the Water Department Director for up to 90 additional days. A written request for an extension by the consumer must be submitted at least 30 days prior to the 12 month period ending. No extension shall be granted to any customer with a delinquent account with the Water Department. No further extensions shall be granted.
 - d. Any customer requesting the issuance of a fire hydrant meter shall file an application with the Meter Section. The customer must complete a "Fire Hydrant Meter Application" (Tab 1) which includes the name of the company, the party responsible for payment, Social Security number and/or California ID, requested location of the meter (a detailed map signifying an exact location), local contact person, local phone number, a contractor's license (or a business license), description of specific water use, duration of use at the site and full name and address of the person responsible for payment.
 - e. At the time of the application the customer will pay their fees according to the schedule set forth in the Rate Book of Fees and Charges, located in the City Clerk's Office. All fees must be paid by check, money order or cashiers check, made payable to the City Treasurer. Cash will not be accepted.
 - f. No fire hydrant meters shall be furnished or relocated for any customer with a delinquent account with the Water Department.
 - g. After the fees have been paid and an account has been created, the

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meter shall be installed within 48 hours (by the second business day). For an additional fee, at overtime rates, meters can be installed within 24 hours (within one business day).

4.7 Relocation of Existing Fire Hydrant Meters

- a. The customer shall call the Fire Hydrant Meter Hotline (herein referred to as “Hotline”), a minimum of 24 hours in advance, to request the relocation of a meter. A fee will be charged to the existing account, which must be current before a work order is generated for the meter’s relocation.
- b. The customer will supply in writing the address where the meter is to be relocated (map page, cross street, etc). The customer must update the original Fire Hydrant Meter Application with any changes as it applies to the new location.
- c. Fire hydrant meters shall be read on a monthly basis. While fire hydrant meters and backflow devices are in service, commodity, base fee and damage charges, if applicable, will be billed to the customer on a monthly basis. If the account becomes delinquent, the meter will be removed.

4.8 Disconnection of Fire Hydrant Meter

- a. After ten (10) months a “Notice of Discontinuation of Service” (Tab 3) will be issued to the site and the address of record to notify the customer of the date of discontinuance of service. An extension can only be granted in writing from the Water Department Director for up to 90 additional days (as stated in Section 4.6C) and a copy of the extension shall be forwarded to the Meter Shop Supervisor. If an extension has not been approved, the meter will be removed after twelve (12) months of use.
- b. Upon completion of the project the customer will notify the Meter Services office via the Hotline to request the removal of the fire hydrant meter and appurtenances. A work order will be generated

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for removal of the meter.

- c. Meter Section staff will remove the meter and backflow prevention assembly and return it to the Meter Shop. Once returned to the Meter Shop the meter and backflow will be tested for accuracy and functionality.
- d. Meter Section Staff will contact and notify Customer Services of the final read and any charges resulting from damages to the meter and backflow or its appurtenance. These charges will be added on the customer's final bill and will be sent to the address of record. Any customer who has an outstanding balance will not receive additional meters.
- e. Outstanding balances due may be deducted from deposits and any balances refunded to the customer. Any outstanding balances will be turned over to the City Treasurer for collection. Outstanding balances may also be transferred to any other existing accounts.

5. **EXCEPTIONS**

- 5.1 Any request for exceptions to this policy shall be presented, in writing, to the Customer Support Deputy Director, or his/her designee for consideration.

6. **MOBILE METER**

- 6.1 Mobile meters will be allowed on a case by case basis. All mobile meters will be protected by an approved backflow assembly and the minimum requirement will be a Reduced Pressure Principal Assembly. The two types of Mobile Meters are vehicle mounted and floating meters. Each style of meters has separate guidelines that shall be followed for the customer to retain service and are described below:

- a) **Vehicle Mounted Meters:** Customer applies for and receives a City owned Fire Hydrant Meter from the Meter Shop. The customer mounts the meter on the vehicle and brings it to the Meter Shop for

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inspection. After installation is approved by the Meter Shop the vehicle and meter shall be brought to the Meter Shop on a monthly basis for meter reading and on a quarterly basis for testing of the backflow assembly. Meters mounted at the owner's expense shall have the one year contract expiration waived and shall have meter or backflow changed if either fails.

b) **Floating Meters:** Floating Meters are meters that are not mounted to a vehicle. **(Note: All floating meters shall have an approved backflow assembly attached.)** The customer shall submit an application and a letter explaining the need for a floating meter to the Meter Shop. The Fire Hydrant Meter Administrator, after a thorough review of the needs of the customer, (i.e. number of jobsites per day, City contract work, lack of mounting area on work vehicle, etc.), may issue a floating meter. At the time of issue, it will be necessary for the customer to complete and sign the "Floating Fire Hydrant Meter Agreement" which states the following:

- 1) The meter will be brought to the Meter Shop at 2797 Caminito Chollas, San Diego on the third week of each month for the monthly read by Meter Shop personnel.
- 2) Every other month the meter will be read and the backflow will be tested. This date will be determined by the start date of the agreement.

If any of the conditions stated above are not met the Meter Shop has the right to cancel the contract for floating meter use and close the account associated with the meter. The Meter Shop will also exercise the right to refuse the issuance of another floating meter to the company in question.

Any Fire Hydrant Meter using reclaimed water shall not be allowed use again with any potable water supply. The customer shall incur the cost of replacing the meter and backflow device in this instance.

CITY OF SAN DIEGO CALIFORNIA DEPARTMENT INSTRUCTIONS	NUMBER DI 55.27	DEPARTMENT Water Department
SUBJECT FIRE HYDRANT METER PROGRAM (FORMERLY: CONSTRUCTION METER PROGRAM)	PAGE 9 OF 10	EFFECTIVE DATE October 15, 2002
	SUPERSEDES DI 55.27	DATED April 21, 2000

7. **FEE AND DEPOSIT SCHEDULES**

7.1 **Fees and Deposit Schedules:** The fees and deposits, as listed in the Rate Book of Fees and Charges, on file with the Office of the City Clerk, are based on actual reimbursement of costs of services performed, equipment and materials. These deposits and fees will be amended, as needed, based on actual costs. Deposits, will be refunded at the end of the use of the fire hydrant meter, upon return of equipment in good working condition and all outstanding balances on account are paid. Deposits can also be used to cover outstanding balances.

All fees for equipment, installation, testing, relocation and other costs related to this program are subject to change without prior notification. The Mayor and Council will be notified of any future changes.

8. **UNAUTHORIZED USE OF WATER FROM A HYDRANT**

8.1 Use of water from any fire hydrant without a properly issued and installed fire hydrant meter is theft of City property. Customers who use water for unauthorized purposes or without a City of San Diego issued meter will be prosecuted.

8.2 If any unauthorized connection, disconnection or relocation of a fire hydrant meter, or other connection device is made by anyone other than authorized Water Department personnel, the person making the connection will be prosecuted for a violation of San Diego Municipal Code, Section 67.15. In the case of a second offense, the customer's fire hydrant meter shall be confiscated and/or the deposit will be forfeited.

8.3 Unauthorized water use shall be billed to the responsible party. Water use charges shall be based on meter readings, or estimates when meter readings are not available.

8.4 In case of unauthorized water use, the customer shall be billed for all applicable charges as if proper authorization for the water use had been obtained, including but not limited to bi-monthly service charges, installation charges and removal charges.

CITY OF SAN DIEGO CALIFORNIA DEPARTMENT INSTRUCTIONS	NUMBER DI 55.27	DEPARTMENT Water Department
SUBJECT FIRE HYDRANT METER PROGRAM (FORMERLY: CONSTRUCTION METER PROGRAM)	PAGE 10 OF 10	EFFECTIVE DATE October 15, 2002
	SUPERSEDES DI 55.27	DATED April 21, 2000

- 8.5 If damage occurs to Water Department property (i.e. fire hydrant meter, backflow, various appurtenances), the cost of repairs or replacements will be charged to the customer of record (applicant).

**Larry Gardner
Water Department Director**

- Tabs: 1. Fire Hydrant Meter Application
2. Construction & Maintenance Related Activities With No Return To Sewer
3. Notice of Discontinuation of Service

APPENDIX

Administering Division: Customer Support Division

Subject Index: Construction Meters
Fire Hydrant
Fire Hydrant Meter Program
Meters, Floating or Vehicle Mounted
Mobile Meter
Program, Fire Hydrant Meter

Distribution: DI Manual Holders



Application for Fire Hydrant Meter (EXHIBIT A)

(For Office Use Only)

NS REQ	FAC#
DATE	BY

METER SHOP (619) 527-7449

Meter Information

Application Date	Requested Install Date:
------------------	-------------------------

Fire Hydrant Location: (Attach Detailed Map//Thomas Bros. Map Location or Construction drawing.) <u>Zip:</u>	<u>T.B.</u>	<u>G.B. (CITY USE)</u>
Specific Use of Water:		
Any Return to Sewer or Storm Drain, If so, explain:		
Estimated Duration of Meter Use: <input type="text"/>	<input type="checkbox"/>	Check Box if Reclaimed Water

Company Information

Company Name:			
Mailing Address:			
City:	State:	Zip:	Phone: ()
*Business license#		*Contractor license#	
A Copy of the Contractor's license OR Business License is required at the time of meter issuance.			
Name and Title of Billing Agent: <small>(PERSON IN ACCOUNTS PAYABLE)</small>			Phone: ()
Site Contact Name and Title:			Phone: ()
Responsible Party Name:			Title:
Cal ID#			Phone: ()
Signature:		Date:	
Guarantees Payment of all Charges Resulting from the use of this Meter. Insures that employees of this Organization understand the proper use of Fire Hydrant Meter			

Fire Hydrant Meter Removal Request	Requested Removal Date:
Provide Current Meter Location if Different from Above:	
Signature:	Title: Date:
Phone: ()	Pager: ()

<input type="checkbox"/> City Meter	<input type="checkbox"/> Private Meter
Contract Acct #:	Deposit Amount: \$ 936.00 Fees Amount: \$ 62.00
Meter Serial #	Meter Size: 05 Meter Make and Style: 6-7
Backflow #	Backflow Size: Backflow Make and Style:
Name:	Signature: Date:

WATER USES WITHOUT ANTICIPATED CHARGES FOR RETURN TO SEWER

Auto Detailing
Backfilling
Combination Cleaners (Vactors)
Compaction
Concrete Cutters
Construction Trailers
Cross Connection Testing
Dust Control
Flushing Water Mains
Hydro Blasting
Hydro Seeing
Irrigation (for establishing irrigation only; not continuing irrigation)
Mixing Concrete
Mobile Car Washing
Special Events
Street Sweeping
Water Tanks
Water Trucks
Window Washing

Note:

1. If there is any return to sewer or storm drain, then sewer and/or storm drain fees will be charges.

Date

Name of Responsible Party
Company Name and Address
Account Number: _____

Subject: Discontinuation of Fire Hydrant Meter Service

Dear Water Department Customer:

The authorization for use of Fire Hydrant Meter # _____, located at *(Meter Location Address)* ends in 60 days and will be removed on or after *(Date Authorization Expires)*. Extension requests for an additional 90 days must be submitted in writing for consideration 30 days prior to the discontinuation date. If you require an extension, please contact the Water Department, or mail your request for an extension to:

City of San Diego
Water Department
Attention: Meter Services
2797 Caminito Chollas
San Diego, CA 92105-5097

Should you have any questions regarding this matter, please call the Fire Hydrant Hotline at (619) _____ - _____.

Sincerely,

Water Department

APPENDIX C

Materials Typically Accepted by Certificate of Compliance

Materials Typically Accepted by Certificate of Compliance

1. Soil amendment
2. Fiber mulch
3. PVC or PE pipe up to 16 inch diameter
4. Stabilizing emulsion
5. Lime
6. Preformed elastomeric joint seal
7. Plain and fabric reinforced elastomeric bearing pads
8. Steel reinforced elastomeric bearing pads
9. Waterstops (Special Condition)
10. Epoxy coated bar reinforcement
11. Plain and reinforcing steel
12. Structural steel
13. Structural timber and lumber
14. Treated timber and lumber
15. Lumber and timber
16. Aluminum pipe and aluminum pipe arch
17. Corrugated steel pipe and corrugated steel pipe arch
18. Structural metal plate pipe arches and pipe arches
19. Perforated steel pipe
20. Aluminum underdrain pipe
21. Aluminum or steel entrance tapers, pipe downdrains, reducers, coupling bands and slip joints
22. Metal target plates
23. Paint (traffic striping)
24. Conductors
25. Painting of electrical equipment
26. Electrical components
27. Engineering fabric
28. Portland Cement
29. PCC admixtures
30. Minor concrete, asphalt
31. Asphalt (oil)
32. Liquid asphalt emulsion
33. Epoxy

APPENDIX D

Sample City Invoice

City of San Diego, Field Engineering Div., 9485 Aero Drive, SD CA 92123						Contractor's Name:					
Project Name:						Contractor's Address:					
SAP No. (WBS/IO/CC)											
City Purchase Order No.						Contractor's Phone #:			Invoice No.		
Resident Engineer (RE):						Contractor's Fax #:			Invoice Date:		
RE Phone#:			RE Fax#:			Contact Name:			Billing Period:		
Item #	Item Description	Contract Authorization				Previous Estimate		This Estimate		Totals to Date	
		Unit	Qty	Price	Extension	%/QTY	Amount	% / QTY	Amount	% / QTY	Amount
1	2 Parallel 4" PVC C900	LF	1,380	\$34.00	\$46,920.00						
2	48" Primary Steel Casing	LF	500	\$1,000.00	\$500,000.00						
3	2 Parallel 12" Secondary Steel	LF	1,120	\$53.00	\$59,360.00						
4	Construction and Rehab of PS 49	LS	1	\$150,000.00	\$150,000.00						
5	Demo	LS	1	\$14,000.00	\$14,000.00						
6	Install 6' High Chain Link Fence	LS	1	\$5,600.00	\$5,600.00						
7	General Site Restoration	LS	1	\$3,700.00	\$3,700.00						
8	10" Gravity Sewer	LF	10	\$292.00	\$2,920.00						
9	4" Blow Off Valves	EA	2	\$9,800.00	\$19,600.00						
10	Bonds	LS	1	\$16,000.00	\$16,000.00						
11	Field Orders	AL	1	80,000	\$80,000.00						
11.1	Field Order 1	LS	5,500	\$1.00	\$5,500.00						
11.2	Field Order 2	LS	7,500	\$1.00	\$7,500.00						
11.3	Field Order 3	LS	10,000	\$1.00	\$10,000.00						
11.4	Field Order 4	LS	6,500	\$1.00	\$6,500.00						
12	Certified Payroll	LS	1	\$1,400.00	\$1,400.00						
CHANGE ORDERS											
Change Order 1			4,890								
Items 1-4					\$11,250.00						
Item 5-Deduct Bid Item 3		LF	120	-\$53.00	(\$6,360.00)						
Change Order 2			160,480								
Items 1-3					\$95,000.00						
Item 4 Deduct Bid Item 1		LF	380	-\$340.00	(\$12,920.00)						
Item 5-Increase bid Item 9		LF	8	\$9,800.00	\$78,400.00						
Change Order 3 (Close Out)			-121,500								
Item 1 Deduct Bid Item 3			53	-\$500.00	(\$26,500.00)						
Item 2 Deduct Bid Item 4		LS	-1	45,000.00	(\$45,000.00)						
Items 3-9			1	-\$50,500.00	(\$50,500.00)						
SUMMARY							Total This	\$ -	Total Billed		\$0.00
A. Original Contract Amount						Retention and/or Escrow Payment Schedule					
B. Approved Change Order 1 Thru 3						Total Retention Required as of this billing					
C. Total Authorized Amount (A+B)						Previous Retention Withheld in PO or in Escrow					
D. Total Billed to Date						Add'l Amt to Withhold in PO/Transfer in Escrow:					
E. Less Total Retention (5% of D)						Amt to Release to Contractor from PO/Escrow:					
F. Less Total Previous Payments											
G. Payment Due Less Retention						Contractor Signature and Date:					
H. Remaining Authorized Amount											

APPENDIX E

Adjacent Project(s)

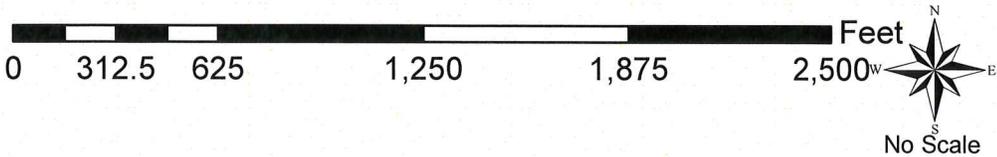
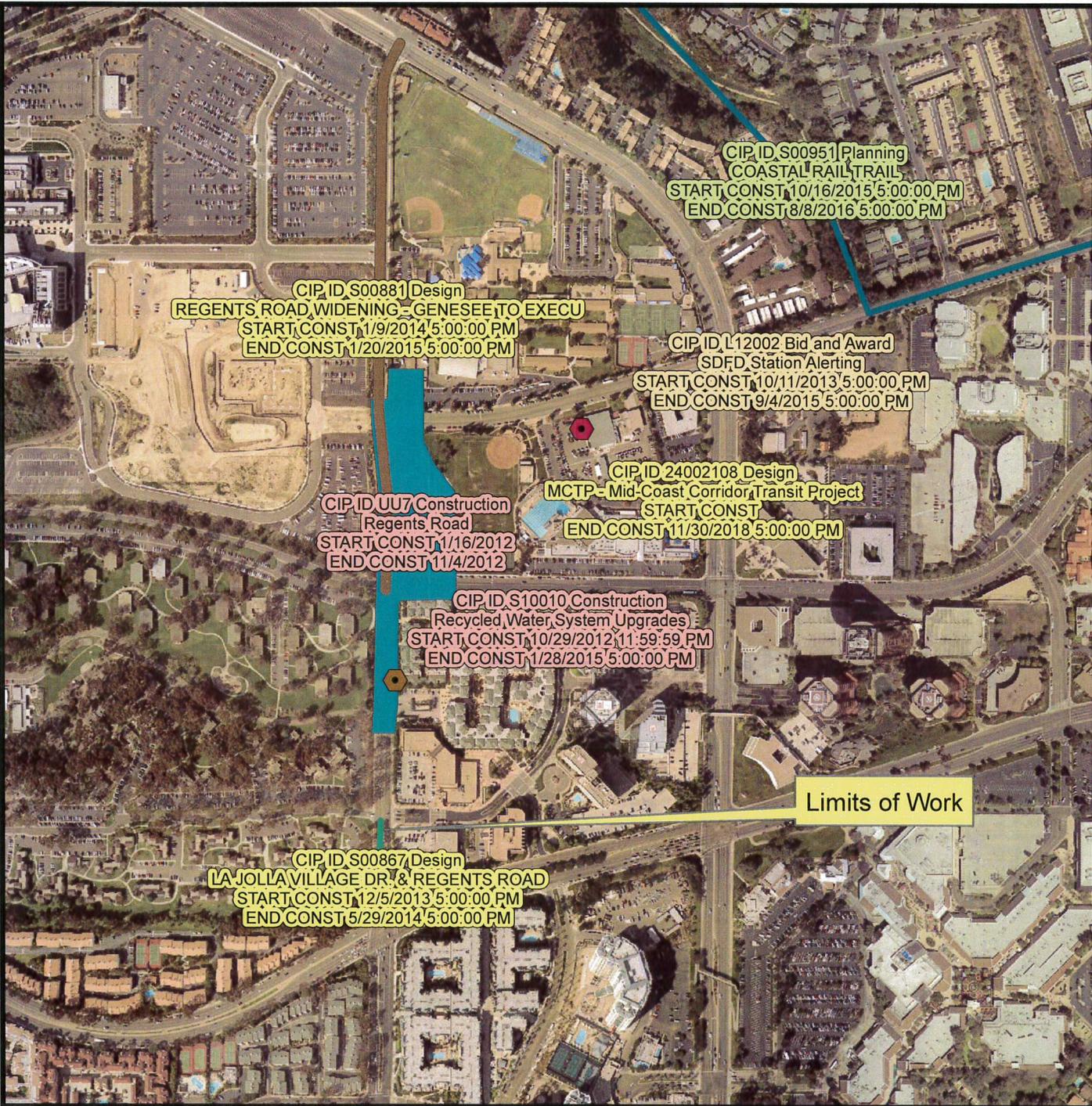
Regents Road Right Turn Lane at La Jolla Village Dr

SENIOR ENGINEER
Brad Johnson
(619) 533-5120

PROJECT MANAGER
Dean Marsden
(619) 533-4608

PROJECT ENGINEER
Jayna Straughn
(619) 533-5216

PROJECT INFO LINE
(619) 533-4207



COMMUNITY NAME: University

COUNCIL DISTRICT: 1

SAP ID: S-00867



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APPENDIX F

Hazardous Labels/Forms

Sample Hazardous Waste Label

HAZARDOUS WASTE

STATE AND FEDERAL LAW PROHIBITS IMPROPER DISPOSAL
IF FOUND, CONTACT THE NEAREST POLICE, OR PUBLIC SAFETY
AUTHORITY, OR THE U.S. ENVIRONMENTAL PROTECTION AGENCY
OR THE CALIFORNIA DEPARTMENT OF HEALTH SERVICES

GENERATOR NAME _____
ADDRESS _____ 24 HR. PHONE () _____
CITY _____ STATE _____ ZIP _____
EPA ID NO. _____ MANIFEST DOCUMENT NO. _____
EPA WASTE NO. _____ CA WASTE NO. _____ ACCUMULATION START DATE / / _____

CONTENTS, COMPOSITION _____
PROPER DOT SHIPPING NAME _____
TECHNICAL NAME (S) _____
UN/NA NO. WITH PREFIX _____

PHYSICAL STATE HAZARDOUS PROPERTIES FLAMMABLE TOXIC
 SOLID LIQUID CORROSIVE REACTIVE OTHER _____

HANDLE WITH CARE!
CONTAINS HAZARDOUS OR TOXIC WASTES

INCIDENT/RELEASE ASSESSMENT FORM ¹

If you have an emergency, Call 911

Handlers of hazardous materials are required to report releases. The following is a tool to be used for assessing if a release is reportable. Additionally, a non-reportable release incident form is provided to document why a release is not reported (see back).

<u>Questions for Incident Assessment:</u>	YES	NO
1. Was anyone killed or injured, or did they require medical care or admitted to a hospital for observation?	<input type="checkbox"/>	<input type="checkbox"/>
2. Did anyone, other than employees in the immediate area of the release, evacuate?	<input type="checkbox"/>	<input type="checkbox"/>
3. Did the release cause off-site damage to public or private property?	<input type="checkbox"/>	<input type="checkbox"/>
4. Is the release greater than or equal to a reportable quantity (RQ)?	<input type="checkbox"/>	<input type="checkbox"/>
5. Was there an uncontrolled or unpermitted release to the air?	<input type="checkbox"/>	<input type="checkbox"/>
6. Did an uncontrolled or unpermitted release escape secondary containment, or extend into any sewers, storm water conveyance systems, utility vaults and conduits, wetlands, waterways, public roads, or off site?	<input type="checkbox"/>	<input type="checkbox"/>
7. Will control, containment, decontamination, and/or clean up require the assistance of federal, state, county, or municipal response elements?	<input type="checkbox"/>	<input type="checkbox"/>
8. Was the release or threatened release involving an unknown material or contains an unknown hazardous constituent?	<input type="checkbox"/>	<input type="checkbox"/>
9. Is the incident a threatened release (a condition creating a substantial probability of harm that requires immediate action to prevent, reduce, or mitigate damages to persons, property, or the environment)?	<input type="checkbox"/>	<input type="checkbox"/>
10. Is there an increased potential for secondary effects including fire, explosion, line rupture, equipment failure, or other outcomes that may endanger or cause exposure to employees, the general public, or the environment?	<input type="checkbox"/>	<input type="checkbox"/>

If the answer is YES to any of the above questions – report the release to the California Office of Emergency Services at 800-852-7550 and the local CUPA daytime: (619) 338-2284, after hours: (858) 565-5255. Note: other state and federal agencies may require notification depending on the circumstances.

Call 911 in an emergency

If all answers are NO, complete a Non Reportable Release Incident Form (page 2 of 2) and keep readily available. Documenting why a “no” response was made to each question will serve useful in the event questions are asked in the future, and to justify not reporting to an outside regulatory agency.

If in doubt, report the release.

¹ This document is a guide for accessing when hazardous materials release reporting is required by Chapter 6.95 of the California Health and Safety Code. It does not replace good judgment, Chapter 6.95, or other state or federal release reporting requirements.

NON REPORTABLE RELEASE INCIDENT FORM

1. RELEASE AND RESPONSE DESCRIPTION

Incident # _____

Date/Time Discovered	Date/Time Discharge	Discharge Stopped <input type="checkbox"/> Yes <input type="checkbox"/> No
Incident Date / Time:		
Incident Business / Site Name:		
Incident Address:		
Other Locators (Bldg, Room, Oil Field, Lease, Well #, GIS)		
Please describe the incident and indicate specific causes and area affected. Photos Attached?: <input type="checkbox"/> Yes <input type="checkbox"/> No		
Indicate actions to be taken to prevent similar releases from occurring in the future.		

2. ADMINISTRATIVE INFORMATION

Supervisor in charge at time of incident:	Phone:
Contact Person:	Phone:

3. CHEMICAL INFORMATION

Chemical	Quantity <input type="checkbox"/> GAL <input type="checkbox"/> LBS <input type="checkbox"/> FT ³
Chemical	Quantity <input type="checkbox"/> GAL <input type="checkbox"/> LBS <input type="checkbox"/> FT ³
Chemical	Quantity <input type="checkbox"/> GAL <input type="checkbox"/> LBS <input type="checkbox"/> FT ³
Clean-Up Procedures & Timeline:	
Completed By:	Phone:
Print Name:	Title:

EMERGENCY RELEASE FOLLOW - UP NOTICE REPORTING FORM

A	BUSINESS NAME	FACILITY EMERGENCY CONTACT & PHONE NUMBER () -
B	INCIDENT DATE MO DAY YR	TIME OES NOTIFIED (use 24 hr time)
C	INCIDENT ADDRESS LOCATION	CITY / COMMUNITY COUNTY ZIP
D	CHEMICAL OR TRADE NAME (print or type)	CAS Number
E	CHECK IF CHEMICAL IS LISTED IN 40 CFR 355, APPENDIX A <input type="checkbox"/>	CHECK IF RELEASE REQUIRES NOTIFICATION UNDER 42 U.S.C. Section 9603 (a) <input type="checkbox"/>
F	PHYSICAL STATE CONTAINED <input type="checkbox"/> SOLID <input type="checkbox"/> LIQUID <input type="checkbox"/> GAS	PHYSICAL STATE RELEASED <input type="checkbox"/> SOLID <input type="checkbox"/> LIQUID <input type="checkbox"/> GAS
G	ENVIRONMENTAL CONTAMINATION <input type="checkbox"/> AIR <input type="checkbox"/> WATER <input type="checkbox"/> GROUND <input type="checkbox"/> OTHER	QUANTITY RELEASED
H	ACTIONS TAKEN	TIME OF RELEASE DURATION OF RELEASE ____DAYS ____HOURS ____MINUTES
I	KNOWN OR ANTICIPATED HEALTH EFFECTS (Use the comments section for addition information) <input type="checkbox"/> ACUTE OR IMMEDIATE (explain) _____ <input type="checkbox"/> CHRONIC OR DELAYED (explain) _____ <input type="checkbox"/> NOTKNOWN (explain) _____	
J	ADVICE REGARDING MEDICAL ATTENTION NECESSARY FOR EXPOSED INDIVIDUALS	
K	COMMENTS (INDICATE SECTION (A - G) AND ITEM WITH COMMENTS OR ADDITIONAL INFORMATION)	
L	CERTIFICATION: I certify under penalty of law that I have personally examined and I am familiar with the information submitted and believe the submitted information is true, accurate, and complete. REPORTING FACILITY REPRESENTATIVE (print or type) _____ SIGNATURE OF REPORTING FACILITY REPRESENTATIVE _____ DATE: _____	

EMERGENCY RELEASE FOLLOW-UP NOTICE REPORTING FORM INSTRUCTIONS

GENERAL INFORMATION:

Chapter 6.95 of Division 20 of the California Health and Safety Code requires that written emergency release follow-up notices prepared pursuant to 42 U.S.C. § 11004, be submitted using this reporting form. Non-permitted releases of reportable quantities of Extremely Hazardous Substances (listed in 40 CFR 355, appendix A) or of chemicals that require release reporting under section 103(a) of the Comprehensive Environmental Response, Compensation, and Liability Act of 1980 [42 U.S.C. § 9603(a)] must be reported on the form, as soon as practicable, but no later than 30 days, following a release. The written follow-up report is required in addition to the verbal notification.

BASIC INSTRUCTIONS:

- The form, when filled out, reports follow-up information required by 42 U.S.C § 11004. Ensure that all information requested by the form is provided as completely as possible.
- If the incident involves reportable releases of more than one chemical, prepare one report form for each chemical released.
- If the incident involves a series of separate releases of chemical(s) at different times, the releases should be reported on separate reporting forms.

SPECIFIC INSTRUCTIONS:

Block A: Enter the name of the business and the name and phone number of a contact person who can provide detailed facility information concerning the release.

Block B: Enter the date of the incident and the time that verbal notification was made to OES. The OES control number is provided to the caller by OES at the time verbal notification is made. Enter this control number in the space provided.

Block C: Provide information pertaining to the location where the release occurred. Include the street address, the city or community, the county and the zip code.

Block D: Provide information concerning the specific chemical that was released. Include the chemical or trade name and the Chemical Abstract Service (CAS) number. Check all categories that apply. Provide best available information on quantity, time and duration of the release.

Block E: Indicate all actions taken to respond to and contain the release as specified in 42 U.S.C. § 11004(c).

Block F: Check the categories that apply to the health effects that occurred or could result from the release. Provide an explanation or description of the effects in the space provided. Use Block H for additional comments/information if necessary to meet requirements specified in 42 U.S.C. § 11004(c).

Block G: Include information on the type of medical attention required for exposure to the chemical released. Indicate when and how this information was made available to individuals exposed and to medical personnel, if appropriate for the incident, as specified in 42 U.S.C. § 11004(c).

Block H: List any additional pertinent information.

Block I: Print or type the name of the facility representative submitting the report. Include the official signature and the date that the form was prepared.

MAIL THE COMPLETED REPORT TO:

**State Emergency Response Commission (SERC)
Attn: Section 304 Reports
Hazardous Materials Unit
3650 Schriever Avenue
Mather, CA 95655**

NOTE: Authority cited: Sections 25503, 25503.1 and 25507.1, Health and Safety Code. Reference: Sections 25503(b)(4), 25503.1, 25507.1, 25518 and 25520, Health and Safety Code.

APPENDIX G
License Agreement

**LICENSE AGREEMENT
THE REGENTS AS LICENSOR**

**CITY OF SAN DIEGO
REGENTS ROAD RIGHT TURN LANE
CONSTRUCTION LICENSE AGREEMENT**

City Work Project S-00867

THIS AGREEMENT (“License Agreement”) is made and entered into as of the ____ day of _____, 2013, (“Effective Date”), by and between THE REGENTS OF THE UNIVERSITY OF CALIFORNIA, a California corporation (“Licensor” or “UCSD”), and the City of San Diego, (“Licensee” or “CITY”).

WHEREAS, CITY will engage a contractor (“Contractor”) to construct a Regents Road Right Turn Lane at the Northwest Corner at La Jolla Village Drive (“Project”) including related improvements on the University of California, San Diego (UCSD) Campus;

WHEREAS, the Project is a City Public Works project that benefits patrons of CITY and UCSD;

WHEREAS, UCSD has dedicated a portion of Regents Road property to CITY for additional right of way for the Project;

WHEREAS, CITY has prepared Drawings 32874-1-D to 32874-12-D for plans for the construction of the Project which have been reviewed by UCSD;

WHEREAS, UCSD and CITY desire to develop a license agreement to guide construction and staging activities on areas of the UCSD Campus that are not located in the Project Right of Way (“Temporary Construction Licensed Premises”) as further identified in Attachment 1;

NOW, THEREFORE, the parties agree as follows:

1. Use. UCSD hereby grants to CITY, its agents and contractors, including but not limited to Contractor, a non-exclusive, revocable License to enter upon and use the Temporary Construction Licensed Premises and the right of ingress and egress to and from the Temporary Construction Licensed Premises, subject to the terms and conditions

herein, for the purpose of constructing Project within the Temporary Construction Licensed Premises (“License”). The work to be performed is subject to the terms and conditions described in Attachment 2 which is incorporated herein by reference.

Areas used by the Licensee shall be strictly limited to the Temporary Construction Licensed Premises detailed and described in Attachment 1 and in accordance with the conformed plans and specifications dated _____ (“Final Project Plans”). No staging or storage of vehicles, equipment, or materials shall be allowed on the UCSD campus outside the Temporary Construction Licensed Premises footprint identified in Attachment 1, except as may be shown on Attachment 3. The work as detailed in Attachment 2 shall be coordinated by CITY with UCSD to minimize damage and disruption.

2. Term. This License shall commence on _____, 2013 and shall continue for _____ calendar days (“Term”), unless earlier terminated pursuant to Section 9 of this License Agreement. At the expiration or earlier termination of this License by Licensor, Licensee shall immediately cease use of the Temporary Construction Licensed Premises.

3. Consideration. As total consideration for this License, there shall be no monetary funds paid by the Licensees to the Licensor. The project for which this License is necessary benefits Licensees and Licensor.

4. Conditions Applicable to License. This License is subject to all existing covenants, conditions, reservations, contracts, leases, licenses, easements, encumbrances, restrictions and rights of way with respect to the Temporary Construction Licensed Premises, whether or not of record.

5. Transfer or Assignment. This License is personal to Licensee. Any attempt to transfer or assign this License shall terminate it.

6. Permits and Regulations. Licensee shall be responsible for securing any required approvals, permits and authorizations from any federal, state or local agencies, and shall comply with all applicable laws ordinances and regulations including but not limited to all applicable regulatory, environmental, and safety requirements including UC Regents’ policies, specifications, design standards, seismic safety requirements and guidelines at Licensee’s sole cost and expense.

7. No Hazardous Material Release. Licensee shall be permitted the use of hazardous materials for routine operation, maintenance and repair of facilities on the Temporary Construction Licensed Premises, including but not limited to cleaning

products, fuels, lubricants, or coatings. Licensee shall not store, deposit, dispose, or allow the controlled or uncontrolled spill or release of any hazardous material or toxic waste or other harmful substances on the Temporary Construction Licensed Premises or on any other real property of Licensor adjacent to the Temporary Construction Licensed Premises.

Licensee shall be responsible for clean-up to a comparable condition existing prior to release or spill at Licensee's cost for any unplanned release or spill by Licensee of hazardous materials or wastes ("Hazardous Materials Release). In the event that Licensee does not immediately clean-up a Hazardous Materials Release, Licensor may clean up such Hazardous Materials Release, and Licensee shall reimburse Licensor for the cost of such Hazardous Materials Release clean-up.

Licensee shall comply with Licensor's "only rain in the storm drain" requirement for the UCSD campus, which means if it is not raining, there should not be any discharge to the storm drain.

8. No Interference. Licensee shall not unreasonably interfere with the use by and operation and activities of Licensor on its property and Licensee shall use such routes and follow such procedures on the Temporary Construction Licensed Premises that result in the least damage and inconvenience to Licensor, its agents, employees and invitees. Licensor shall not unreasonably interfere with the construction activities by Licensee on the Temporary Construction Licensed Premises as long as such activities are performed in accordance with this Agreement including Attachments 2 and 3.

9. Repair and Restoration. Licensee shall construct Project and repair and restore the Temporary Construction Licensed Premises in accordance with the Final Construction Plans. If Licensee, its agents or contractors cause any damage including but not limited to soil erosion, subsidence or damage resulting therefrom to the Temporary Construction Licensed Premises, or to Licensor's roads, infrastructure, facilities, flatwork, structures, landscape or other property and improvements (collectively "Property") in connection with the exercise of this License Agreement, Licensee shall promptly repair and restore the Temporary Construction Licensed Premises and Property to their condition prior to Licensee's use of the Temporary Construction Licensed Premises. In the event that repair and restoration is performed following the termination this License Agreement, the Licensee's Indemnity and Insurance obligations in Paragraphs 12 and 13 shall continue until repair and restoration is completed as provided herein. UCSD may not elect to perform repairs and request reasonable reimbursement without prior written approval from authorized personnel of Licensee.

If Licensor, its officers, agents, or invitees cause any damage including but not limited to graffiti, vandalism, or damage from vehicular or other accidents or incidents to Project facilities on the Temporary Construction Licensed Premises in connection with the exercise of this License, Licensor shall promptly repair and restore, or arrange to promptly compensate Licensee for the cost of such repair and restoration of Temporary Construction Licensed Premises facilities to their condition prior to Licensee's use of the Temporary Construction Licensed Premises. Damage to Telecommunications facilities, whether marked or not, including conduits and cables therein, shall be repaired by UCSD Telecommunications or their subcontractors. Licensee shall reimburse UCSD or its designee for all such costs.

10. Breach and Cure. In the event that Licensee breaches any of its obligations under this License Agreement, Licensor shall send Licensee written notice specifying the nature of such breach. Licensee shall have ten (10) days from the receipt of such notice within which to cure such breach. If more time is reasonably required for Licensee's performance, then Licensee shall notify Licensor in writing of its proposed schedule for performance and commence performance within such ten (10) day period; thereafter, Licensee shall diligently proceed to completion. If Licensee fails to cure or to commence cure within such ten (10) day period, then Licensor shall have the right to terminate this License Agreement immediately by serving Licensee with written notice of termination. Licensor shall have all rights and remedies available under California law including, but not limited to, actions for damages and specific performance, for any breach of Licensee's obligations hereunder.

11. Alteration in Writing. This License Agreement supersedes any and all prior understandings and agreements, whether written or oral, between the parties with respect to the subject matter of this License Agreement. No alteration or variation of this License Agreement shall be valid unless made in writing and signed by Licensor and Licensee.

12. Notice. Any notice required hereunder shall be in writing and shall be addressed as follows:

Licensor:

If by U.S. Mail:

The Regents of the University of California

University of California, San Diego

9500 Gilman Drive, #0982

La Jolla, CA 92093-0982

Attention: Assistant Vice Chancellor-Real Estate

Phone: (858) 534-1488

If by express or personal delivery or fax:
The Regents of the University of California
University of California, San Diego
UCSD Real Estate
10280 North Torrey Pines Road, Suite 340
La Jolla, CA 92037
Attention: Assistant Vice Chancellor-Real Estate
FAX: (858) 534-4210

Licensee: City of San Diego
Attention: Marnell Gibson
Deputy Director, Right of Way Design Division
600 B Street, MS908A
San Diego, CA 92101
Phone (619) 533-5213

or to such other address as either party may indicate in a written notice to the other. All notices and communications given under this License Agreement shall be deemed to have been duly given and received: (i) upon personal delivery, or (ii) as of the third business day after mailing by United States certified mail, return receipt requested, postage prepaid, addressed as set forth above, or (iii) the immediately succeeding business day after deposit (for next day delivery) with Federal Express or other similar overnight courier system, or (iv) 24 hours after facsimile transmittal with confirmation of receipt and followed by personal delivery, United States mail, or overnight delivery as specified in this Paragraph.

13. Indemnification.

13.1 Licensee's Obligation. Licensee shall indemnify, defend, and hold harmless Licensor, its officers, agents, employees and invitees, from and against any claims, damages, costs, expenses, or liabilities (collectively "Claims") arising out of or in any way connected with this License Agreement including, without limitation, Claims for loss or damage to any property, or for death or injury to any person or persons but only in proportion to and to the extent that such Claims arise from the negligent or intentional acts or omissions of Licensee, its officers, agents, employees or invitees.

13.2 Licensors' Obligation. Licensor shall indemnify, defend, and hold harmless Licensee, its officers, agents, and employees, from and against any claims, damages, costs, expenses, or liabilities (collectively "Claims") arising out of or in any way connected with this License Agreement including, without limitation, Claims for loss or damage to any property, or for death or injury to any person or persons but only in proportion to and to the extent that such Claims arise from the negligent or wrongful acts or omissions of Licensor, its officers, agents, employees, or invitees.

14. Insurance.

14.1 CITY, at its sole cost and expense, shall insure its activities in connection with this License Agreement and obtain, keep in force, and maintain insurance, or a program of self-insurance, as follows:

1. Commercial Form General Liability Insurance (contractual liability included) with minimum limits as follows:

a. Each Occurrence	\$2,000,000
b. Products/Completed Operations Aggregate	\$2,000,000
c. Personal and Advertising Injury	\$2,000,000
d. General Aggregate	\$5,000,000

If the above insurance is written on a claims-made form, it shall continue for three (3) years following termination of this License Agreement. The insurance shall have a retroactive date of placement prior to or coinciding with the commencement of the Term of this License Agreement.

2. Business Automobile Liability Insurance for owned, scheduled, non-owned, or hired automobiles with a combined single of not less than Five Million dollars (\$5,000,000) per occurrence.
3. Property, Fire and Extended Coverage Insurance in an amount sufficient to reimburse CITY for all of its equipment, trade fixtures, inventory, fixtures and other personal property located on or in the Temporary Construction Licensed Premises.
4. Workers' Compensation as required by California law.

The coverages required herein shall not limit the liability of CITY.

The coverages referred to under 1. and 2. of this Paragraph 14.1 shall include The Regents of the University of California as an additional insured. Such a provision shall apply only in proportion to and to the extent of the negligent acts or omissions of CITY, its officers, agents, and employees. CITY, upon the execution of this License Agreement, shall furnish Licensor with certificates of insurance evidencing compliance with all requirements. Certificates shall provide for thirty (30) days (ten (10) days for non-payment of premium) advance written notice to Licensor of any material modification, change or cancellation of the above insurance coverages. Coverage shall be procured from an insurer licensed to do business in California with a Best's rating of "A-, VIII" or better.

14.2 Contractor's Insurance Requirements

1. Commercial Form General Liability Insurance (contractual liability included) with minimum limits as follows:

a. Each Occurrence	\$2,000,000
b. Products/Completed Operations Aggregate	\$2,000,000
c. Personal and Advertising Injury	\$2,000,000
d. General Aggregate	\$5,000,000

If the above insurance is written on a claims-made form, it shall continue for three (3) years following termination of this License Agreement. The insurance shall have a retroactive date of placement prior to or coinciding with the commencement of the Term of this License Agreement.

2. Business Automobile Liability Insurance for owned, scheduled, non-owned, or hired automobiles with a combined single of not less than Five Million dollars (\$5,000,000) per occurrence.
3. Property , Fire and Extended Coverage Insurance in an amount sufficient to reimburse Contractor for all of its equipment, trade fixtures, inventory, fixtures and other personal property located on or in the Temporary Construction Licensed Premises.
4. Workers' Compensation as required by California law.
5. The coverages required herein shall not limit the liability of Contractor.

6. The coverages referred to under 1. and 2. of this Paragraph 14.2 shall include The Regents of the University of California as an additional insured. Such a provision shall apply only in proportion to and to the extent of the negligent acts or omissions of Contractor, its officers, agents, and employees. CITY, upon the execution of construction contract with Contractor, shall furnish Licensor with Contractor certificates of insurance evidencing compliance with all requirements. Certificates shall provide for thirty (30) days (ten (10) days for non-payment of premium) advance written notice to Licensor of any material modification, change or cancellation of the above insurance coverages. Coverage shall be procured from an insurer licensed to do business in California with a Best's rating of "A-, VIII" or better.
15. Lien Free Condition. Licensee shall not cause or permit any liens to be placed against the Temporary Construction Licensed Premises or against Licensor's other property as a result of Licensee's exercise of rights under this License. In the event of the filing of any such liens, Licensees shall promptly cause such liens to be removed. In no event shall such lien removal require more than thirty (30) days. If such liens are not removed as provided herein, Licensor may pay or satisfy such liens, regardless of their merit, and Licensee shall be liable to Licensor for repayment of such payment or cost to satisfy, including, without limitation, attorneys' fees and other costs incurred by Licensor.
16. Payment and Performance Bonds. CITY shall require Contractor to obtain payment and performance bonds for all work undertaken upon the Temporary Construction Licensed Premises and/or the Property covering 100% of the contract amount, issued in a form and by an admitted surety(ies) with a Best's rating of "A-, VIII" or better. Such bonds shall be obtained prior to commencement of construction. Such bonds shall conform to the requirements of the Civil Code and be issued by sureties that are, on the date of issuance of such bonds, listed in the latest published State of California, Department of Insurance, list of "Sureties Admitted to Transact Surety Insurance in this State." Bonds must be approved as to form by Licensor, which approval shall not be unreasonably withheld.
17. Multiple Identical Counterparts. This Agreement may be executed in any number of identical counterparts, each of which shall be deemed to be an original, and all of which together shall be deemed to be one and the same instrument when each party has signed one such counterpart. In addition, properly executed, authorized signatures may be transmitted via facsimile or electronic mail and upon receipt shall constitute an original signature.

IN WITNESS WHEREOF, the parties have executed this License Agreement the day and year first above written.

LICENSOR:
THE REGENTS OF THE UNIVERSITY
OF CALIFORNIA

LICENSEE:
CITY OF SAN DIEGO

APPROVED

APPROVED

By: _____
Nancy E. Kossan
Assistant Vice Chancellor-Real
Estate San Diego Campus

By: _____
Mayor or Designee

Date: _____

Date: _____

APPROVED AS TO FORM AND
PROCEDURE

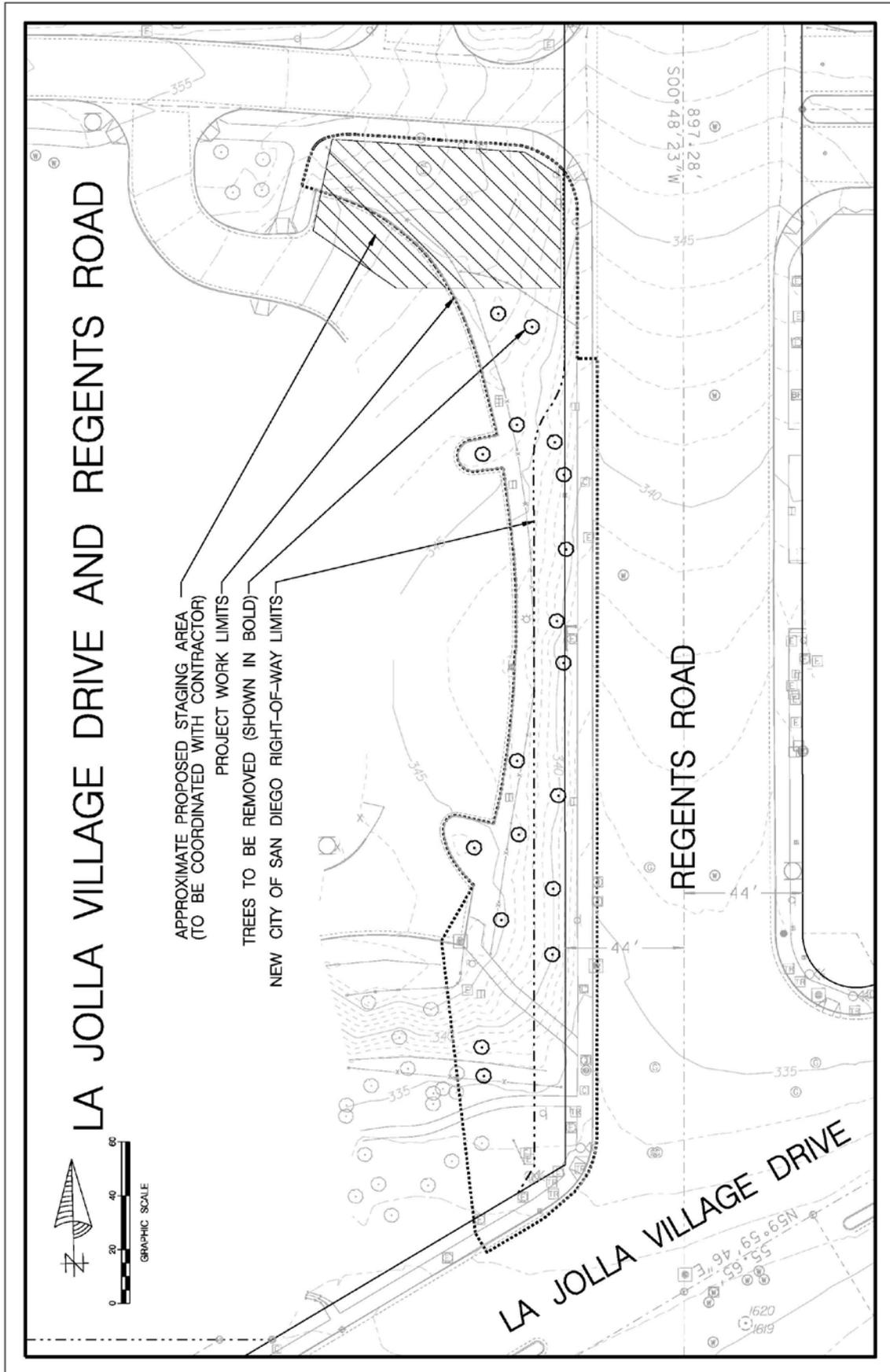
By: _____
Ryan Kohut
Deputy City Attorney

Date: _____

**ATTACHMENT 1
TO LICENSE AGREEMENT**

**CITY OF SAN DIEGO
REGENTS ROAD RIGHT TURN LANE
CONSTRUCTION AGREEMENT**

**LOCATIONS OF TEMPORARY CONSTRUCTION LICENSED PREMISES
AND STAGING AREA**



**ATTACHMENT 2
TO LICENSE AGREEMENT**

**CITY OF SAN DIEGO
REGENTS ROAD RIGHT TURN LANE
CONSTRUCTION AGREEMENT**

TERMS AND CONDITIONS OF WORK TO BE PERFORMED

The work to be performed is subject to the terms and conditions, as set forth below.

1. CITY agrees:
 1. To submit construction drawings for the Project to UCSD for review prior to construction activities hereunder.
 2. To construct the following improvements in accordance with the Final Project Plans:
 - a. Remove existing concrete sidewalk and stair near parking lot.
 - b. Install new 8" PVC and connect to existing UCSD parking lot drain.
 - c. Abandon existing 8" RCP.
 - d. Remove existing fence and install new fence matching UCSD specifications.
 - e. Remove existing eucalyptus trees (9). UCSD Landscape Architect to identify at time of demolition.
 - f. Remove existing landscape as needed within project limits.
 - g. Cap irrigation lines that are to be abandoned within demolition area.
 - h. Remove all turf areas within project limits including application of herbicide to ensure turf eradication.
 - i. Perform all necessary soil preparation and finish grading work and install fiber roll.
 - j. Complete all landscaping work (refer to approved Final Project Plans).

- k. Complete all irrigation work (refer to approved Final Project Plans).
3. To be sensitive to campus activities that may be adversely impacted by construction activities.
4. Ensure that Licensees shall not, at any time: 1) scrape or grade the Premises, 2) disturb existing vegetation on the Premises; 3) import or export any additional materials such as soil, gravel, etc., except as referenced above; or 4) use the Premises as a parking and/or staging area for construction equipment, personal vehicles, materials or supplies, except as otherwise described in Attachment 3.
5. To limit temporary vibration, noise, dust, and visual impacts, to a reasonable extent and within compliance with Federal, State and local rules and regulations, including any Mitigation and Monitoring and Reporting Program required by the California Environmental Quality Act for this Project. Licensee will include these requirements in its construction contracts and monitor and enforce these provisions.
6. To contact and obtain the approval with at least two weeks advanced notice, which approval shall not be unreasonably withheld, of the appropriate representative at UCSD's Facilities Design and Construction (FD&C) Department (contact Anka Fabian, Principal Civil Engineer, at 858-534-3813 or Lin Prentiss her administrative assistant at 858-534-3795), to ensure proper coordination for utility identification and Project construction.
7. To reasonably allow UCSD to inspect Project construction occurring on UCSD property for compliance with this License Agreement.
8. To contract with UCSD-approved utility mark out services, to be funded by the Project, in order to identify all known campus facilities and underground utilities that will be within Temporary Construction Licensed Premises. In addition to the Underground Service Alert, to ensure proper coordination of utility and telecommunication identification, since Dig Alert does not mark out UCSD utilities and telecommunications lines, a locating company needs to be contracted to do a mark out. Licensees shall contract at their cost with any locating company independently to mark out utilities and telecommunications lines. Contact the appropriate representative at UCSD's Telecommunications Department (Buck Wilmerding at 858 534-5694) to coordinate telecommunication identification.

9. To select qualified and competent construction management teams.
10. To hold construction contractors responsible for work area and laydown area cleanliness, security and safety on UCSD property in cooperation with UCSD.
11. To notify UCSD a minimum of 24 hours in advance of pedestrian and vehicular way closures or restriction within 500 feet of Temporary Construction Licensed Premises or on roadways utilized by the contractor(s) to access the Temporary Construction Licensed Premises.
12. To maintain effective communication and coordination during Project construction. In order to comply with this item, CITY'S Resident Engineer, _____ (mobile: _____), will:
 - a. Be the point of contact for interface with Licensee, its construction manager and contractor(s).
 - b. Hold weekly meetings while construction is occurring on the UCSD campus.
 - c. Invite UCSD to the meetings.
 - d. Provide three-week "look ahead" schedules at the weekly meetings.
13. To provide flagging for pedestrians and vehicles when construction equipment and personnel are required to cross UCSD pedestrian or vehicle ways on an ongoing basis.
14. To secure prior approval from UCSD a minimum of 72 hours in advance regarding the movements of large construction equipment on or off UCSD property or between construction areas within UCSD property.
15. To provide traffic control by the Contractor for flagging for large equipment movements on UCSD property.
16. To limit temporary impacts to parking spaces on UCSD property as a result of the Project.
17. To provide UCSD with one copy of as-built drawings at the completion of Project construction on UCSD property.
18. To relocate UCSD facilities in accordance with UCSD standards for material and construction.
19. To limit construction activities to Monday through Friday between the hours of 8:30 a.m. and 3:30 p.m. Traffic control setup may begin at 8:00 a.m. Traffic control take down must be completed by 4:00 p.m.

Construction is limited to Monday through Friday unless special permission is granted by Richard Cota, Assistant Director, UCSD's Building Operations Facilities Management (FM) Department at 858-822-1061.

20. To provide, if desired by Licensor, security for the Temporary Construction Licensed Premises at the Project's sole cost and expense. It is understood by Licensee that Licensor assumes no responsibility for stolen and/or damaged property belonging to Licensee or its employees.
 21. To assume, at the Project's sole cost and expense, all responsibility for preparation and required clean-up of the Temporary Construction Licensed Premises prior to, during, and immediately following the term of this License Agreement.
 22. To coordinate with UCSD regarding citations for violation of UCSD rules and regulations.
 23. To notify UCSD Campus Police at 858-534-4357 of any unusual occurrence.
 24. To contact UCSD emergency services at 858-534-2930 in case a utility line is broken or in the event of an emergency situation. Contact UCSD Telecommunications at (858) 534-3187 in case any telecommunications line is damaged.
2. Licensor (UCSD) agrees:
1. Temporary Construction Licensed Premises will be controlled by the Project Contractor.
 2. To review and provide written comments on all submitted construction drawings for the Project within 30 days.
 3. To inspect and, if warranted, accept utilities constructed by Licensee.
 4. To notify Licensee prior to inspections or visits to the construction work areas and comply with site safety and security requirements.
 5. To notify Licensee of any scheduled pedestrian or vehicular way closures or restriction within 500 feet of Temporary Construction Licensed Premises, or on roadways utilized by the contractor(s) to access the Project.
 6. To immediately contact CITY's Resident Engineer _____ (mobile: _____) in the event of an emergency situation that

could impact Licensee's construction operations and/or construction personnel.

7. To provide a point of contact for the CITY's Resident Engineer to communicate with UCSD. Dave Kerr, Principal Construction Inspector, UCSD Facilities Design & Construction, 858-452-0682, will provide field observation services.
8. Improvements shall be in accordance with the Final Project Plans, submitted and approved prior to construction activities, where changes to the plans may occur only after written agreement has been made with CITY.

**ATTACHMENT 3
TO LICENSE AGREEMENT**

**CITY OF SAN DIEGO
REGENTS ROAD RIGHT TURN LANE
CONSTRUCTION AGREEMENT**

STAGING AREA TERMS AND CONDITIONS

Use of the Staging Area is subject to the terms and conditions, as set forth below.

- 1) The Staging Area is designated as shown in Attachment 1.
- 2) The Staging Area is a designated area where materials and equipment can be accessed for use during working hours and stored during non-working hours. The Staging Area will also be used to transport materials and equipment to and from the construction site. Through coordination with UCSD a designated number of parking spaces will be closed, creating an entry on to the project site so that no unauthorized personnel enter from the road running East-West just north of the project.
- 3) The Staging Area shall not be used for personal vehicles.
- 4) CITY's Resident Engineer shall coordinate all activities with UCSD.

11/6/13 20

City of San Diego

CONTRACTOR'S NAME: PAL General Engineering, Inc.
 ADDRESS: 5374 Eastgate Mall, San Diego, CA 92121
 TELEPHONE NO.: (858) 638-7100 FAX NO.: (858) 638-7102
 CITY CONTACT: Claudia Abarca, Contract Specialist, Email: Cabarca@sandiego.gov
Phone No. (619) 533-3439, Fax No. (619) 533-3633
 DMarsden/AReyes/egz

CONTRACT DOCUMENTS



FOR

REGENTS ROAD RIGHT TURN LANE AT LA JOLLA VILLAGE DRIVE

VOLUME 2 OF 2

BID NO.: L-14-2035-DBB-2
 SAP NO. (WBS/IO/CC): S-00867
 CLIENT DEPARTMENT: 2116
 COUNCIL DISTRICT: 1
 PROJECT TYPE: IG

THIS CONTRACT IS SUBJECT TO THE FOLLOWING:

- THE CITY'S SUBCONTRACTING PARTICIPATION REQUIREMENTS FOR SLBE PROGRAM.
- COMPETITION RESTRICTED TO: SLBE-ELBE or ELBE FIRMS ONLY.
- PREVAILING WAGE RATES: STATE FEDERAL

**THIS BIDDING DOCUMENT TO BE SUBMITTED IN ITS ENTIRETY
REFER TO VOLUME 1 COVER PAGE FOR TIME, DATE, AND LOCATION**

TABLE OF CONTENTS

Volume 2 - Bidding Documents

The following forms must be completed in their entirety and submitted with the Bid. Include the form(s) even if the information does not apply. Where the information does not apply write in N/A. Failure to include any of the forms may cause the Bid to be deemed **non-responsive**. If you are uncertain or have any questions about any required information, contact the City no later than 14 days prior to Bid due date.

1. Proposal	3
2. Bid Bond	7
3. Non-Collusion Affidavit to be executed by Bidder and Submitted with Bid under 23 USC 112 and PCC 7106	8
4. Contractors Certification of Pending Actions.....	9
5. Equal Benefits Ordinance Certification of Compliance.....	10
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7. Form AA35 - List of Subcontractors	16
8. Form AA40 - Named Equipment/Material Supplier List	17

BIDDING DOCUMENTS

PROPOSAL

Bidder's General Information

To the City of San Diego:

Pursuant to "Notice Inviting Bids", specifications, and requirements on file with the City Clerk, and subject to all provisions of the Charter and Ordinances of the City of San Diego and applicable laws and regulations of the United States and the State of California, the undersigned hereby proposes to furnish to the City of San Diego, complete at the prices stated herein, the items or services hereinafter mentioned. The undersigned further warrants that this bid is not made in the interest of, or on behalf of, any undisclosed person, partnership, company, association, organization, or corporation; that the bid is genuine and not collusive or sham; that the bidder has not directly or indirectly induced or solicited any other bidder to put in a false or sham bid, and has not directly or indirectly colluded, conspired, connived, or agreed with any bidder or anyone else to put in a sham bid, or that anyone shall refrain from bidding; that the bidder has not in any manner, directly or indirectly, sought by agreement, communication, or conference with anyone to fix the bid price of the bidder or any other bidder, or to fix any overhead, profit, or cost element of the bid price, or of that of any other bidder, or to secure any advantage against the public body awarding the contract of anyone interested in the proposed contract; that all statements contained in the bid are true; and, further, that the bidder has not, directly or indirectly, submitted his or her bid price or any breakdown thereof, or the contents thereof, or divulged information or data relative thereto, or paid, and will not pay, any fee to any corporation, partnership, company, association, organization, bid depository, or to any member or agent thereof to effectuate a collusive or sham bid.

The undersigned bidder(s) further warrants that bidder(s) has thoroughly examined and understands the entire Contract Documents (plans and specifications) and the Bidding Documents therefore, and that by submitting said Bidding Documents as its bid proposal, bidder(s) acknowledges and is bound by the entire Contract Documents, including any addenda issued thereto, as such Contract Documents incorporated by reference in the Bidding Documents.

IF A SOLE OWNER OR SOLE CONTRACTOR SIGN HERE:

- (1) Name under which business is conducted _____
- (2) Signature (Given and surname) of proprietor _____
- (3) Place of Business (Street & Number) _____
- (4) City and State _____ Zip Code _____
- (5) Telephone No. _____ Facsimile No. _____

BIDDING DOCUMENTS

IF A PARTNERSHIP, SIGN HERE:

- (1) Name under which business is conducted _____
- (2) Name of each member of partnership, indicate character of each partner, general or special (limited):

- (3) Signature (Note: Signature must be made by a general partner)

Full Name and Character of partner

- (4) Place of Business (Street & Number) _____
- (5) City and State _____ Zip Code _____
- (6) Telephone No. _____ Facsimile No. _____

IF A CORPORATION, SIGN HERE:

- (1) Name under which business is conducted PAL General Engineering, Inc.
- (2) Signature, with official title of officer authorized to sign for the corporation:


(Signature)
Marla Jahshan

(Printed Name)
President

(Title of Officer)

(Impress Corporate Seal Here)

- (3) Incorporated under the laws of the State of California
- (4) Place of Business (Street & Number) 5374 Eastgate Mall
- (5) City and State San Diego, CA Zip Code 92121
- (6) Telephone No. (858) 638-7100 Facsimile No. (858) 638-7102

BIDDING DOCUMENTS

THE FOLLOWING SECTIONS MUST BE FILLED IN BY ALL PROPOSERS:

In accordance with the "NOTICE INVITING BIDS", the bidder holds a California State Contractor's license for the following classification(s) to perform the work described in these specifications:

LICENSE CLASSIFICATION A

LICENSE NO. 916931 EXPIRES April 30, 2015 ,

This license classification must also be shown on the front of the bid envelope. Failure to show license classification on the bid envelope may cause return of the bid unopened.

TAX IDENTIFICATION NUMBER (TIN): [REDACTED]

E-Mail Address: info@palsd.com

BIDDING DOCUMENTS

CONTRACTORS CERTIFICATION OF PENDING ACTIONS

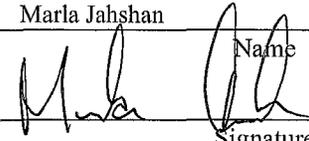
As part of its bid or proposal (Non-Price Proposal in the case of Design-Build contracts), the Bidder shall provide to the City a list of all instances within the past 10 years where a complaint was filed or pending against the Bidder in a legal or administrative proceeding alleging that Bidder discriminated against its employees, subcontractors, vendors or suppliers, and a description of the status or resolution of that complaint, including any remedial action taken.

CHECK ONE BOX ONLY.

- The undersigned certifies that within the past 10 years the Bidder has NOT been the subject of a complaint or pending action in a legal administrative proceeding alleging that Bidder discriminated against its employees, subcontractors, vendors or suppliers.
- The undersigned certifies that within the past 10 years the Bidder has been the subject of a complaint or pending action in a legal administrative proceeding alleging that Bidder discriminated against its employees, subcontractors, vendors or suppliers. A description of the status or resolution of that complaint, including any remedial action taken and the applicable dates is as follows:

DATE OF CLAIM	LOCATION	DESCRIPTION OF CLAIM	LITIGATION (Y/N)	STATUS	RESOLUTION/REMEDIAL ACTION TAKEN
		NOT APPLICABLE			

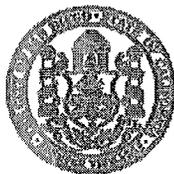
Contractor Name: PAL General Engineering, Inc.

Certified By Marla Jahshan Title President

 Name _____ Date 10/28/2013
 Signature _____

USE ADDITIONAL FORMS AS NECESSARY

BIDDING DOCUMENTS

**EQUAL BENEFITS ORDINANCE
CERTIFICATION OF COMPLIANCE**



For additional information, contact:
CITY OF SAN DIEGO
EQUAL BENEFITS PROGRAM
 202 C Street, MS 9A, San Diego, CA 92101
 Phone (619) 533-3948 Fax (619) 533-3220

COMPANY INFORMATION

Company Name: PAL General Engineering, Inc.	Contact Name: Marla Jahshan
Company Address: 5374 Eastgate Mall, San Diego, CA 92121	Contact Phone: (858) 638-7100
	Contact Email: info@palsd.com

CONTRACT INFORMATION

Contract Title: Regents Road Right Turn Lane at La Jolla Village Drive	Start Date: TBD
Contract Number (if no number, state location): San Diego, CA	End Date: TBD

SUMMARY OF EQUAL BENEFITS ORDINANCE REQUIREMENTS

The Equal Benefits Ordinance [EBO] requires the City to enter into contracts only with contractors who certify they will provide and maintain equal benefits as defined in SDMC §22.4302 for the duration of the contract. To comply:

- Contractor shall offer equal benefits to employees with spouses and employees with domestic partners.
 - Benefits include health, dental, vision insurance; pension/401(k) plans; bereavement, family, parental leave; discounts, child care; travel/relocation expenses; employee assistance programs; credit union membership; or any other benefit.
 - Any benefit not offer an employee with a spouse, is not required to be offered to an employee with a domestic partner.
- Contractor shall post notice of firm's equal benefits policy in the workplace and notify employees at time of hire and during open enrollment periods.
- Contractor shall allow City access to records, when requested, to confirm compliance with EBO requirements.
- Contractor shall submit *EBO Certification of Compliance*, signed under penalty of perjury, prior to award of contract.

NOTE: This summary is provided for convenience. Full text of the EBO and Rules Implementing the EBO are available at www.sandiego.gov/administration.

CONTRACTOR EQUAL BENEFITS ORDINANCE CERTIFICATION

Please indicate your firm's compliance status with the EBO. The City may request supporting documentation.

- I affirm compliance with the EBO because my firm (*contractor must select one reason*):
- Provides equal benefits to spouses and domestic partners.
 - Provides no benefits to spouses or domestic partners.
 - Has no employees.
 - Has collective bargaining agreement(s) in place prior to January 1, 2011, that has not been renewed or expired.
- I request the City's approval to pay affected employees a cash equivalent in lieu of equal benefits and verify my firm made a reasonable effort but is not able to provide equal benefits upon contract award. I agree to notify employees of the availability of a cash equivalent for benefits available to spouses but not domestic partners and to continue to make every reasonable effort to extend all available benefits to domestic partners.

It is unlawful for any contractor to knowingly submit any false information to the City regarding equal benefits or cash equivalent associated with the execution, award, amendment, or administration of any contract. [San Diego Municipal Code §22.4307(a)]

Under penalty of perjury under laws of the State of California, I certify the above information is true and correct. I further certify that my firm understands the requirements of the Equal Benefits Ordinance and will provide and maintain equal benefits for the duration of the contract or pay a cash equivalent if authorized by the City.

Marla Jahshan, President

Name/Title of Signatory

Signature

FOR OFFICIAL CITY USE ONLY

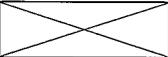
Receipt Date:	EBO Analyst:	<input type="checkbox"/> Approved	<input type="checkbox"/> Not Approved – Reason:
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rev 02/15/2011

BIDDING DOCUMENTS

PROPOSAL (BID)

The Bidder agrees to the construction of **REGENTS ROAD RIGHT TURN LANE AT LA JOLLA VILLAGE DRIVE**, for the City of San Diego, in accordance with these contract documents for the prices listed below. The Bidder guarantees the Contract Price for a period of 120 days (90 days for federally funded contracts and contracts valued at \$500,000 or less) from the date of Bid opening to Award of the Contract. The duration of the Contract Price guarantee shall be extended by the number of days required for the City to obtain all items necessary to fulfill all conditions precedent e.g., bond and insurance.

Item No.	Quantity	Unit	NAICS	Payment Reference	Description	Unit Price	Extension
BASE BID							
1.	1	LS	238910	300-1.4	Clearing & Grubbing		\$ 16,250.00
2.	18	EA	238910	300-1.4	Tree Removal	\$ 450.00	\$ 8,100.00
3.	460	CY	237310	300-2.9	Unclassified Excavation	\$ 32.00	\$ 14,720.00
4.	410	TN	237310	301-3.3.6	Cement Treated Base	\$ 39.00	\$ 15,990.00
5.	6	TN	237310	302-3.4	Asphalt Pavement Repair	\$ 450.00	\$ 2,700.00
6.	125	TN	237310	302-5.9	AC Pavement	\$ 111.00	\$ 13,875.00
7.	1	EA	237110	303-1.11	Curb Inlet Type B	\$ 7400.00	\$ 7,400.00
8.	1	EA	237110	303-1.11	Convert Existing Curb Inlet into Cleanout	\$ 5500.00	\$ 5,500.00
9.	1,800	SF	238110	303-1.11	Retaining Wall	\$ 45.00	\$ 81,000.00
10.	1,600	SF	237310	303-5.9	Sidewalk	\$ 5.00	\$ 8,000.00
11.	345	LF	237310	303-5.9	Curb & Gutter (Type H)	\$ 34.00	\$ 11,730.00
12.	7	LF	237311	303-5.10	Median Curb (Type B3)	\$ 175.00	\$ 1,225.00
13.	1	EA	237310	303-5.10.2	Curb Ramp Type A w/ Stainless Steel Detectable Warning Tiles	\$ 2,250.00	\$ 2,250.00
14.	450	LF	238990	304-3.4	Vinyl Coated Chain Link Fence	\$ 24.60	\$ 11,070.00

BIDDING DOCUMENTS

Item No.	Quantity	Unit	NAICS	Payment Reference	Description	Unit Price	Extension
15.	15	LF	237110	306-1.6	18-inch RCP Storm Drain	\$ 350.00	\$ 5,250.00
16.	30	LF	237110	306-1.6	8" PVC Drain and Inlet Connections with Encasement Where Noted	\$ 150.00	\$ 4,500.00
17.	23	EA	237110	306-1.6	3" PVC Sidewalk Underdrain (Approx. 7' Lengths)	\$ 200.00	\$ 4,600.00
18.	12	LF	237110	306-5.3	Abandon and Fill Existing 15-inch ACP Outside of Trench Limit	\$ 175.00	\$ 2,100.00
19.	10	LF	238210	307-2	Remove & Install New Electrical Conduit	\$ 35.00	\$ 350.00
20.	1	LS	238210	307-2	Furnish and Install Post & Sign	 	\$ 920.00
21.	1	LS	238210	307-2	Modify Traffic Signal and Street Lighting System	 	\$ 47,150.00
22.	1	LS	238210	307-2	Modify Fiber Optic Networking System	 	\$ 575.00
23.	1	LS	561730	308-7	Irrigation System (Install and Connect Including All Other Associated Work and Related Appurtenances)	 	\$ 14,000.00
24.	300	CY	561730	308-7	Earthwork and Topsoil Placement	\$ 30.00	\$ 9,000.00
25.	80	CY	561730	308-7	Mulch (3" Depth)	\$ 37.40	\$ 2,992.00
26.	4	EA	561730	308-7	Furnish and Plant 24" Box Pinus Torreyana (Torrey Pine)	\$ 159.00	\$ 636.00
27.	3	EA	561730	308-7	Furnish and Plant 15 Gallon Pinus Torreyana (Torrey Pine)	\$ 63.00	\$ 189.00
28.	2	EA	561730	308-7	Furnish and Plant 5 Gallon Pinus Torreyana (Torrey Pine)	\$ 55.00	\$ 110.00
29.	4	EA	561730	308-7	Furnish and Plant 24" Box Albizia Julibrissin (Silk Tree)	\$ 144.00	\$ 576.00
30.	3	EA	561730	308-7	Furnish and Plant 15 Gallon Albizia Julibrissin (Silk Tree)	\$ 44.00	\$ 132.00
31.	12	EA	561730	308-7	Furnish and Plant 5 Gallon Arctostaphylos Varieties	\$ 15.00	\$ 180.00
32.	12	EA	561730	308-7	Furnish and Plant 1 Gallon Arctostaphylos Varieties	\$ 5.00	\$ 60.00

BIDDING DOCUMENTS

Item No.	Quantity	Unit	NAICS	Payment Reference	Description	Unit Price	Extension
33.	12	EA	561730	308-7	Furnish and Plant 5 Gallon Eriogonum Pavifolium (Coastal Buckwheat)	\$ 15.00	\$ 180.00
34.	12	EA	561730	308-7	Furnish and Plant 1 Gallon Eriogonum Pavifolium (Coastal Buckwheat)	\$ 5.50	\$ 66.00
35.	1	LS	237310	314-6	Traffic Striping and Marking	 	\$ 7,935.00
36.	36	LF	237110	708-6	Handling and Disposal of Non-friable Asbestos Material	\$ 125.00	\$ 4,500.00
37.	2	EA	237310	7-10.2.6	Flashing Arrow Boards	\$ 1200.00	\$ 2,400.00
38.	1	LS	237310	7-10.2.6	Traffic Control	 	\$ 18,000.00
39.	1	LS	541330	7-10.2.6	Traffic Control Design	 	\$ 1,000.00
40.	1	LS	541330	701-13.9.5	Water Pollution Control Program Development	 	\$ 600.00
41.	1	LS	237990	701-13.9.5	Water Pollution Control Program Implementation	 	\$ 2,500.00
42.	1	AL		9-3.5	Field Orders - Type II	 	\$27,914.00
43.	1	LS	524126	2-4.1	Bonds (Payment and Performance)	 	\$ 10,000.00
ESTIMATED TOTAL BASE BID							\$ 368,225.00

TOTAL BID PRICE FOR BID (Items 1 through 43 inclusive) amount written in words:

Three Hundred Sixty Eight Thousand, Two Hundred Twenty Five Dollars and zero cents.

The Bid shall contain an acknowledgment of receipt of all addenda, the numbers of which shall be filled in on the Bid form. If an addendum or addenda has been issued by the City and not noted as being received by the Bidder, this proposal shall be rejected as being **non-responsive**. The following addenda have been received and are acknowledged in this bid: None

BIDDING DOCUMENTS

The names of all persons interested in the foregoing proposal as principals are as follows:

Marla Jahshan, President

Abd Jahshan, Vice President

IMPORTANT NOTICE: If Bidder or other interested person is a corporation, state secretary, treasurer, and manager thereof; if a co-partnership, state true name of firm, also names of all individual co-partners composing firm; if Bidder or other interested person is an individual, state first and last names in full.

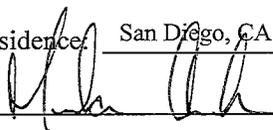
Bidder: PAL General Engineering, Inc.

Title: President

Business Address: 5374 Eastgate Mall

Place of Business: San Diego, CA

Place of Residence: San Diego, CA

Signature: 

NOTES:

- A. The City shall determine the low Bid based on the Base Bid alone.
- B. Prices and notations shall be in ink or typewritten. All corrections (which have been initiated by the Bidder using erasures, strike out, line out, or "white-out") shall be typed or written in with ink adjacent thereto, and shall be initialed in ink by the person signing the bid proposal.
- C. Failure to initial all corrections made in the bidding documents shall cause the Bid to be rejected as **non-responsive** and ineligible for further consideration.

BIDDING DOCUMENTS

- D. Blank spaces must be filled in, using figures. Bidder's failure to submit a price for any Bid item that requires the Bidder to submit a price shall render the Bid **non-responsive** and shall be cause for its rejection.
- E. Unit prices shall be entered for all unit price items. Unit prices shall not exceed two (2) decimal places. If the Unit prices entered exceed two (2) decimal places, the City will only use the first two digits after the decimal points without rounding up or down.
- F. All extensions of the unit prices bid will be subject to verification by the City. In the case of inconsistency or conflict between the product of the Quantity x Unit Price and the Extension, the product shall govern.
- G. In the case of inconsistency or conflict, between the sums of the Extensions with the estimated total Bid, the sum of the Extensions shall govern.
- H. Bids shall not contain any recapitulation of the Work. Conditional Bids will be rejected as being **non-responsive**. Alternative proposals will not be considered unless called for.

BIDDING DOCUMENTS

LIST OF SUBCONTRACTORS

In accordance with the requirements provided in the "Subletting and Subcontracting Fair Practices Act", Division 2, Part 1, Chapter 4 of the Public Contract Code, the Bidder shall list below the name and address of each Subcontractor who will perform work, labor, render services or specially fabricates and installs a portion [type] of the work or improvement, in an amount in excess of 0.5% of the Contractor's total Bid. The Bidder shall also list below the portion of the work which will be done by each subcontractor under this Contract. The Contractor shall list only one Subcontractor for each portion of the Work. The **DOLLAR VALUE** of the total Bid to be performed shall be stated for all subcontractors listed. Failure to comply with this requirement shall result in the Bid being rejected as **non-responsive** and ineligible for award. The Bidder's attention is directed to the Special Provisions - General; Paragraph 2-3 Subcontracts, which stipulates the percent of the Work to be performed with the Bidders' own forces. The Bidder shall list all SLBE, ELBE, DBE, DVBE, MBE, WBE, OBE, SDB, WoSB, HUBZone, and SDVOSB Subcontractors that Bidders are seeking recognition towards achieving any mandatory, voluntary, or both subcontracting participation percentages.

NAME, ADDRESS AND TELEPHONE NUMBER OF SUBCONTRACTOR	CONSTRUCTOR OR DESIGNER	TYPE OF WORK	DOLLAR VALUE OF SUBCONTRACT	MBE, WBE, DBE, DVBE, OBE, ELBE, SLBE, SDB, WoSB, HUBZone, OR SDVOSB [ⓐ]	WHERE CERTIFIED [ⓑ]	CHECK IF JOINT VENTURE PARTNERSHIP
Name: <u>Lekos Electric, Inc.</u> Address: <u>1370 Pioneer Way</u> City: <u>El Cajon</u> State: <u>CA</u> Zip: <u>92020</u> Phone: <u>(619) 447-7661</u>	CONSTRUCTOR	Electrical	\$41,800.00	SB	CA	N/A
Name: <u>FenceCorp, Inc.</u> Address: <u>111 Main Street</u> City: <u>Riverside</u> State: <u>CA</u> Zip: <u>92501</u> Phone: <u>(951) 686-3170</u>	CONSTRUCTOR	Fence	\$9,630.00	N/A	N/A	N/A
Name: <u>Interstate Striping</u> Address: <u>8511-B Ablette Road</u> City: <u>Santee</u> State: <u>CA</u> Zip: <u>92071</u> Phone: <u>(619) 562-1060</u>	CONSTRUCTOR	Signage, striping	\$7,700.00	N/A	N/A	N/A

ⓐ As appropriate, Bidder shall identify Subcontractor as one of the following and shall include a valid proof of certification (except for OBE, SLBE and ELBE):

Certified Minority Business Enterprise	MBE	Certified Woman Business Enterprise	WBE
Certified Disadvantaged Business Enterprise	DBE	Certified Disabled Veteran Business Enterprise	DVBE
Other Business Enterprise	OBE	Certified Emerging Local Business Enterprise	ELBE
Certified Small Local Business Enterprise	SLBE	Small Disadvantaged Business	SDB
Woman-Owned Small Business	WoSB	HUBZone Business	HUBZone
Service-Disabled Veteran Owned Small Business	SDVOSB		

ⓑ As appropriate, Bidder shall indicate if Subcontractor is certified by:

City of San Diego	CITY	State of California Department of Transportation	CALTRANS
California Public Utilities Commission	CPUC	San Diego Regional Minority Supplier Diversity Council	SRMSDC
State of California's Department of General Services	CADoGS	City of Los Angeles	LA
State of California	CA	U.S. Small Business Administration	SBA

The Bidder will not receive any subcontracting participation percentages if the Bidder fails to submit the required proof of certification.

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BIDDING DOCUMENTS

2012

LIST OF SUBCONTRACTORS

In accordance with the requirements provided in the "Subletting and Subcontracting Fair Practices Act", Division 2, Part 1, Chapter 4 of the Public Contract Code, the Bidder shall list below the name and address of each Subcontractor who will perform work, labor, render services or specially fabricates and installs a portion [type] of the work or improvement, in an amount in excess of 0.5% of the Contractor's total Bid. The Bidder shall also list below the portion of the work which will be done by each subcontractor under this Contract. The Contractor shall list only one Subcontractor for each portion of the Work. The **DOLLAR VALUE** of the total Bid to be performed shall be stated for all subcontractors listed. Failure to comply with this requirement shall result in the Bid being rejected as **non-responsive** and ineligible for award. The Bidder's attention is directed to the Special Provisions - General; Paragraph 2-3 Subcontracts, which stipulates the percent of the Work to be performed with the Bidders' own forces. The Bidder shall list all SLBE, ELBE, DBE, DVBE, MBE, WBE, OBE, SDB, WoSB, HUBZone, and SDVOSB Subcontractors that Bidders are seeking recognition towards achieving any mandatory, voluntary, or both subcontracting participation percentages.

NAME, ADDRESS AND TELEPHONE NUMBER OF SUBCONTRACTOR	CONSTRUCTOR OR DESIGNER	TYPE OF WORK	DOLLAR VALUE OF SUBCONTRACT	MBE, WBE, DBE, DVBE, OBE, ELBE, SEBE, SDB, WoSB, HUBZone, OR SDVOSB [Ⓞ]	WHERE CERTIFIED [Ⓞ]	CHECK IF JOINT VENTURE PARTNERSHIP
Name: <u>Green Horizons</u> Address: <u>1530 Industrial Ave</u> City: <u>Escondido</u> State: <u>CA</u> Zip: <u>92029</u> Phone: <u>(760) 745-1776</u>	CONSTRUCTOR	Tree removal	\$6,000	N/A	N/A	N/A
Name: _____ Address: _____ City: _____ State: _____ Zip: _____ Phone: _____						
Name: _____ Address: _____ City: _____ State: _____ Zip: _____ Phone: _____						

- ① As appropriate, Bidder shall identify Subcontractor as one of the following and shall include a valid proof of certification (except for OBE, SLBE and ELBE):
- | | | | |
|---|--------|--|---------|
| Certified Minority Business Enterprise | MBE | Certified Woman Business Enterprise | WBE |
| Certified Disadvantaged Business Enterprise | DBE | Certified Disabled Veteran Business Enterprise | DVBE |
| Other Business Enterprise | OBE | Certified Emerging Local Business Enterprise | ELBE |
| Certified Small Local Business Enterprise | SLBE | Small Disadvantaged Business | SDB |
| Woman-Owned Small Business | WoSB | HUBZone Business | HUBZone |
| Service-Disabled Veteran Owned Small Business | SDVOSB | | |
- ② As appropriate, Bidder shall indicate if Subcontractor is certified by:
- | | | | |
|--|--------|--|----------|
| City of San Diego | CITY | State of California Department of Transportation | CALTRANS |
| California Public Utilities Commission | CPUC | San Diego Regional Minority Supplier Diversity Council | SRMSDC |
| State of California's Department of General Services | CADoGS | City of Los Angeles | LA |
| State of California | CA | U.S. Small Business Administration | SBA |

The Bidder will not receive any subcontracting participation percentages if the Bidder fails to submit the required proof of certification.

BIDDING DOCUMENTS

NAMED EQUIPMENT/MATERIAL SUPPLIER LIST

The Bidder seeking the recognition of equipment, materials, or supplies obtained from Suppliers towards achieving any mandatory, voluntary, or both subcontracting participation percentages shall list the Supplier(s) on the Named Equipment/Material Supplier List. The Named Equipment/Material Supplier List, at a minimum, shall have the name, locations (City) and the **DOLLAR VALUE** of the Suppliers. The Bidder will be credited up to 60% of the amount to be paid to the Suppliers for such materials and supplies unless vendor manufactures or substantially alters materials and supplies in which case 100% will be credited. The Bidder is to indicate (Yes/No) whether listed firm is a supplier or manufacturer. In calculating the subcontractor participation percentages, vendors/suppliers will receive 60% credit of the listed **DOLLAR VALUE**, whereas manufacturers will receive 100% credit. If no indication provided, listed firm will be credited at 60% of the listed dollar value for purposes of calculating the Subcontractor Participation Percentage, Suppliers will receive 60% credit of the listed **DOLLAR VALUE**, whereas manufacturers will receive 100% credit. If no indication provided, listed firm will be credited at 60% of the listed **DOLLAR VALUE** for purposes of calculating the subcontractor participation percentages.

NAME, ADDRESS AND TELEPHONE NUMBER OF VENDOR/SUPPLIER	MATERIALS OR SUPPLIES	DOLLAR VALUE OF MATERIAL OR SUPPLIES	SUPPLIER (Yes/No)	MANUFACTURER (Yes/No)	MBE, WBE, DBE, DVBE, OBE, ELBE, SLBE, SDB, WoSB, HUBZone, OR SDVOSB	WHERE CERTIFIED
Name: _____ Address: _____ City: _____ State: _____ Zip: _____ Phone: _____						
Name: _____ Address: _____ City: _____ State: _____ Zip: _____ Phone: _____			<i>RIORITE</i>			
Name: _____ Address: _____ City: _____ State: _____ Zip: _____ Phone: _____						

- ① As appropriate, Bidder shall identify Vendor/Supplier as one of the following and shall include a valid proof of certification (except for OBE, SLBE and ELBE):
- | | | | |
|---|--------|--|---------|
| Certified Minority Business Enterprise | MBE | Certified Woman Business Enterprise | WBE |
| Certified Disadvantaged Business Enterprise | DBE | Certified Disabled Veteran Business Enterprise | DVBE |
| Other Business Enterprise | OBE | Certified Emerging Local Business Enterprise | ELBE |
| Certified Small Local Business Enterprise | SLBE | Small Disadvantaged Business | SDB |
| Woman-Owned Small Business | WoSB | HUBZone Business | HUBZone |
| Service-Disabled Veteran Owned Small Business | SDVOSB | | |
- ② As appropriate, Bidder shall indicate if Vendor/Supplier is certified by:
- | | | | |
|--|--------|--|----------|
| City of San Diego | CITY | State of California Department of Transportation | CALTRANS |
| California Public Utilities Commission | CPUC | San Diego Regional Minority Supplier Diversity Council | SRMSDC |
| State of California's Department of General Services | CADoGS | City of Los Angeles | LA |
| State of California | CA | U.S. Small Business Administration | SBA |

The Bidder will not receive any subcontracting participation percentages if the Bidder fails to submit the required proof of certification.

Form Title: LIST OF SUBCONTRACTORS

(Rev. July 2012)

Form Number: AA40

Regents Road Right Turn Lane at La Jolla Village Drive

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CONTRACTOR'S NOTES AND RESPONSIBILITIES

- IT IS THE CONTRACTOR'S SOLE RESPONSIBILITY TO ENFORCE SAFETY MEASURES AND REGULATIONS. THE CONTRACTOR SHALL DESIGN, CONSTRUCT AND MAINTAIN ALL SAFETY DEVICES INCLUDING SHORING AND SHALL BE SOLELY RESPONSIBLE FOR CONFORMING TO ALL LOCAL, STATE AND FEDERAL SAFETY AND HEALTH STANDARDS LAWS AND REGULATIONS.
- CONTRACTOR SHALL ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THIS PROJECT INCLUDING: SAFETY OF ALL PERSONS AND PROPERTY, AND THAT THIS REQUIREMENT SHALL APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS.
- THE CONTRACTOR SHALL BE RESPONSIBLE TO INSURE THAT ALL DETAILS ARE BUILT IN ACCORDANCE WITH THESE PLANS. IF THERE IS ANY QUESTION REGARDING THESE PLANS, THE CONTRACTOR SHALL REQUEST AN INTERPRETATION BEFORE DOING ANY WORK BY CALLING THE CITY RESIDENT ENGINEER.
- CONTRACTOR WILL MAKE EXPLORATION EXCAVATIONS AND LOCATE EXISTING UNDERGROUND FACILITIES SUFFICIENTLY AHEAD OF CONSTRUCTION TO PERMIT REVISIONS TO PLANS IF REVISIONS ARE NECESSARY BECAUSE OF ACTUAL LOCATION OF EXISTING FACILITIES.
- LOCATION AND ELEVATION OF IMPROVEMENTS TO BE MET BY WORK TO BE DONE SHALL BE CONFIRMED BY FIELD MEASUREMENTS PRIOR TO CONSTRUCTION OF NEW WORK.
- BEFORE EXCAVATING FOR THIS CONTRACT, VERIFY LOCATION OF UNDERGROUND UTILITIES. THE EXISTENCE AND LOCATION OF ANY UNDERGROUND UTILITY PIPES OR STRUCTURES SHOWN ON THESE PLANS WERE OBTAINED BY A SEARCH OF THE AVAILABLE RECORDS. TO THE BEST OF OUR KNOWLEDGE THERE ARE NO OTHER EXISTING UTILITIES EXCEPT AS SHOWN ON THESE PLANS.
- CONTRACTOR IS REQUIRED TO TAKE PRECAUTIONARY MEASURES TO PROTECT THE UTILITY LINES SHOWN HEREON AND ANY OTHER EXISTING LINES NOT OF RECORD OR NOT SHOWN ON THESE PLANS.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY MONUMENTATION AND/OR BENCHMARKS WHICH WILL BE DISTURBED OR DESTROYED BY CONSTRUCTION. SUCH POINTS SHALL BE REFERENCED AND REPLACED WITH APPROPRIATE MONUMENTATION BY A LICENSED LAND SURVEYOR OR A REGISTERED CIVIL ENGINEER AUTHORIZED TO PRACTICE LAND SURVEYING. A CORNER RECORD OR RECORD OF SURVEY, AS APPROPRIATE, SHALL BE FILED BY THE LICENSED LAND SURVEYOR OR REGISTERED CIVIL ENGINEER AS REQUIRED BY THE LAND SURVEYOR'S ACT.
- THE CONTRACTOR SHALL NOTIFY ALL AFFECTED UTILITY AGENCIES A MINIMUM OF FIVE (5) WORKING DAYS PRIOR TO EXCAVATION NEAR UTILITY FACILITIES AND SHALL COORDINATE WITH THEM:

SDG&E	1-800-236-6323	PACIFIC BELL	1-800-422-4133
CITY SEWER	1-800-236-5660	TIME WARNER	1-858-695-3220
CITY WATER	1-800-236-5650		
CITY COMMUNICATIONS AND ELECTRICAL DIVISION			1-800-236-5505
UNDERGROUND SERVICE ALERT (U.S.A.)			1-800-422-4133
- THE CONTRACTOR SHALL NOTIFY THE CITY TRAFFIC ENGINEER AT LEAST TEN (10) WORKING DAYS IN ADVANCE OF IMPLEMENTING ANY CONSTRUCTION DETOUR.
- IF CONSTRUCTION IS TO BE PERFORMED IN STAGES, ALL WORK SHALL BE COMPLETED IN EACH STAGE PRIOR TO BEGINNING WORK ON THE NEXT STAGE.
- THE CONTRACTOR SHALL ALSO TAKE THE NECESSARY STEPS TO PROTECT ADJACENT PROPERTY FROM ANY EROSION AND SILTATION THAT RESULTS FROM HIS OPERATIONS BY APPROPRIATE MEANS (GRAVEL BAG, DIKES, ETC) UNTIL SUCH TIME THAT THE PROJECT IS COMPLETE AND ACCEPTED FOR MAINTENANCE BY CITY.
- THE CONTRACTOR TO PROVIDE STOCK PILE PROTECTION, STREET SWEEPING, STORAGE/STAGING AREA PROTECTION, POLLUTION CONTROL MEASURES FOR EQUIPMENT MAINTENANCE, FUELING, CLEANING AND STORAGE AND TEMPORARY CONCRETE WASH OUT AREA.
- THE CONTRACTOR SHALL INDICATE THAT UTILITY LOCATION AND MARK-OUT SERVICES SHALL BE ON ALL PORTIONS OF THE PROJECT SITE. THIS ACTIVITY SHALL BE COORDINATED WITH BOTH UCSD AND A REPRESENTATIVE OF THE LA JOLLA VILLAGE TENNIS CLUB FOR AREAS OUTSIDE THE RIGHT-OF-WAY BUT WITHIN PROJECT LIMITS.
- THE CONTRACTOR SHALL COORDINATE THROUGH ANU DELOURI, UCSD COMMUNITY PLANNER, 858-822-0150 (PHONE) FOR ALL UTILITY LOCATING, TAGGING OF TREES AND OTHER PLANTS FOR REMOVAL, SHUT DOWN OF EXISTING SYSTEM, APPROVAL OF NEW IRRIGATION LAYOUT AND CONNECTIONS, PLACEMENT OF TREES, SHRUBS, AND OTHER SIMILAR ACTIVITIES. ALL PLANT MATERIALS SHALL BE SUBJECT TO REVIEW AND ACCEPTANCE UPON DELIVERY BY THE UCSD REPRESENTATIVE.
- PROTECT AND KEEP ALL HISTORIC STAMPS WITHIN CORNER SIDEWALKS.

ROAD CLASSIFICATION:

LA JOLLA VILLAGE DRIVE: 6 LANE URBAN MAJOR, AOT=48,000
 REGENTS ROAD: 4 LANE MAJOR, AOT=48,000
 REGENTS RD, R990-45, R990-50, R990-75 & 80

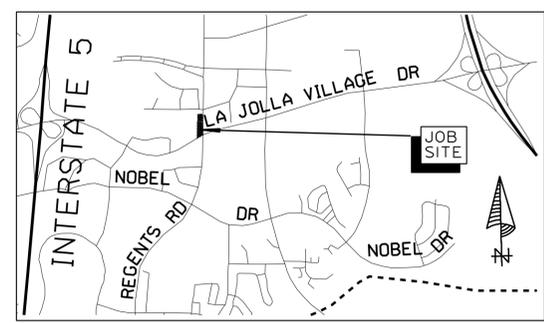
SURVEY:

REFERENCES:
 City of San Diego Survey Field Notes:
 Pancner, W.O. 19891, 8-13-98, 256-1701
 Maps: 8906, 10703, 12045, MM36 Pueblo Lands
 Parcel Maps: 4660, 14943
 City Drawing: 23300-D

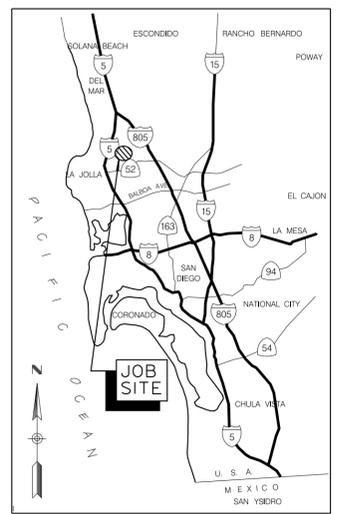
BASIS OF BEARINGS/COORDINATES:
 The Basis of Bearings for this project was derived from a previous Survey by Pancner, W.O. 19891, Regents Road Channelization 08/13/1998, using RTK Pt. land RTK Pt. 2, I.E. N 05° 08' 29" E, NAD 83 feet.

BENCH:
 NWBP Regents Road and La Jolla Village Drive,
 Elev. 333.10 MSL, Based on NGVD 29 FEET as shown in the City of San Diego Bench Book

CITY OF SAN DIEGO PLANS FOR THE CONSTRUCTION OF REGENTS ROAD RIGHT TURN LANE AT LA JOLLA VILLAGE DR.



LOCATION MAP
NO SCALE



VICINITY MAP
NO SCALE

TABLE

SHEET NO.	DISCIPLINE CODE	CONTENTS
1	G-1	TITLE SHEET
2	D-1	DEMOLITION PLAN/CURB INLET CONVERSION
3	C-1	IMPROVEMENTS PLAN
4	C-2	RETAINING WALL PROFILE, SECTIONS AND DETAILS
5	L-1	LANDSCAPE PLAN, NOTES AND SECTIONS
6	I-1	IRRIGATION NOTES
7	I-2	IRRIGATION PLAN
8	I-3	IRRIGATION PLAN
9	T-1	TRAFFIC SIGNAL MODIFICATION AND STRIPING NOTES
10	T-2	SIGNING AND STRIPING PLAN
11	T-3	TRAFFIC SIGNAL MODIFICATION PLAN
12	G-2	BEST MANAGEMENT PRACTICES (BMP)
TC-1	TC-1	TRAFFIC CONTROL

DISCIPLINE CODE

G	GENERAL	L	LANDSCAPE	TC	TRAFFIC CONTROL
D	DEMOLITION	I	IRRIGATION		
C	CIVIL	T	TRAFFIC		

UNDERGROUND UTILITIES
 SECTION 4216/4217 OF THE GOVERNMENT CODE REQUIRES A DIG ALERT IDENTIFICATION NUMBER BE ISSUED BEFORE A "PERMIT TO EXCAVATE" WILL BE VALID. AT LEAST THREE (3) WORKING DAYS PRIOR TO EXCAVATION, THE CONTRACTOR SHALL OBTAIN A DIG ALERT I.D. NUMBER & REQUEST MARKOUT OF UNDERGROUND UTILITIES BY CALLING THE BELOW LISTED REGIONAL NOTIFICATION CENTER FOR AN INQUIRY IDENTIFICATION NUMBER:
 UNDERGROUND SERVICE ALERT (U.S.A.) 1-800-422-4133

STORM WATER PROTECTION
 THIS PROJECT IS SUBJECT TO MUNICIPAL STORM WATER PERMIT ORDER NO. R9-2007-0001 AND WPCP.

WATER POLLUTION CONTROL NOTES:
 THE CONTRACTOR SHALL COMPLY WITH THE REQUIREMENTS NOTED IN THE GREENBOOK 2012 CITY SUPPLEMENT SEC 701 - WATER POLLUTION CONTROL.

WORK TO BE DONE

CONSTRUCTION OF STREET TURN POCKET CONSISTS OF ROAD WIDENING, NEW ROAD BASE, CURB AND GUTTER, CONCRETE SIDEWALK, RETAINING WALL, DRAINAGE, SIGNAL MODIFICATIONS, LANDSCAPE & IRRIGATION, STREET STRIPING/MARKINGS, TRAFFIC CONTROL AND ALL OTHER WORK AND APPURTENANCES IN ACCORDANCE WITH THESE SPECIFICATIONS AND DRAWING(S) NUMBERED 32874-01-D THROUGH 32874-12-D AND 32874-TC1-D.

LEGEND

IMPROVEMENTS	STANDARD DRAWINGS	SYMBOL
SCHEDULE 'J' PAVING	SDG-113	
CURB AND GUTTER	SDG-109, SDG-151 TYPE H, G-10	
CURB MEDIAN	SDG-109, SDG-154 TYPE B-3, G-10	
CURB RAMP	SDG-130, SDG-132 TYPE A	
SIDEWALK	SDG-109, SDG-155 CONTIGUOUS, SDG-156, G-10	
CURB INLET WITH MODIFIED BOX DIMENSIONS: X=5', Y=3'	SDD-102, SDD-114, SDD-116 TYPE B-1	
STORM DRAIN CLEANOUT	SDD-114, D-9 TYPE A, M-3	
SIDEWALK UNDERDRAIN PIPE	D-27	
RETAINING WALL	C-11B TYPE I, CASE II (SEE SHEET 4, DETAIL C)	
STREET LIGHT	SEE SHEET 9 AND II	
18" RCP STORM DRAIN	SDD-110	
2" CONDUIT		
FIBER ROLL		
LIMITS OF CONSTRUCTION		

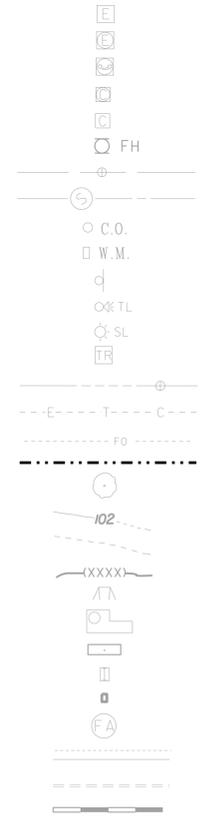
ABBREVIATIONS

ABAND	ABANDON	MB	MANHOLE
ABANDO	ABANDONED	MJ	MECHANICAL JOINT
AC	ASBESTOS CEMENT PIPE	MTO	MULTIPLE TELEPHONE OUT
AB	ABRAB	NS	NASBIC
ASSEM	ASSEMBLY	OVHD	OVER HEAD
BA	BACK	POB	POINT OF BEGINNING
BC	BEGINNING OF CURVE	POC	POINT OF CURVATURE
BTWN	BETWEEN	PT	POINT OF TANGENT
CATV	CABLE TV	POE	POINT OF END
C	CURT BORN PIPE	PROP	PROPOSED
C&G	CURB AND GUTTER	PVC	POLYVINYL CHLORIDE
CL	CENTER LINE	PCR	POINT OF CURB RETURN
CLC	CURT BORN CEMENT LINE	RD	ROADWAY
CP	CONCRETE PIPE	RT	RIGHT
CONC	CONCRETE	RTW	RIGHT-OF-WAY
CON	CONTRACT	SG	STORM GUTTER
CONTR	CONTRACTOR	STA	STATION
CR	CURB RAMP	SW	SIDEWALK
ELC	ELECTRIC	SWR	SEWER
EL. ELEV	ELEVATION	SL	SURVEY LINE
EO	END OF CURVE	TF	TOP OF FOOTING
EL. EXIST	EXISTING	TL	FLOW LINE
F	FLANGE	TW	TOP OF WALL
GR	GRADE BRUSH	TEL	TELEPHONE
GV	GATE VALVE	UNK	UNKNOWN
HP	HIGH PRESSURE	VC	VITRIFIED CLAY PIPE
E	EXIST ELEVATION	WTR	WATER
LT	LEFT		

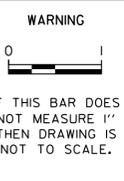
EXISTING FEATURES

- ELECTRICAL BOX
- ELECTRIC VAULT
- TELEPHONE VAULT
- CABLE VAULT
- CABLE BOX
- FIRE HYDRANT
- WATER MAIN & VALVES
- SEWER MAIN & MANHOLES
- SEWER CLEANOUT
- WATER METER
- STREET SIGN
- TRAFFIC LIGHT
- STREET LIGHT
- TRAFFIC BOX
- GAS MAIN & VALVES
- ELECTRICAL, TEL. COND, TV CABLE
- FIBER OPTIC
- RIGHT OF WAY LINE
- LANDSCAPE BRUSH/TREES
- MAJOR CONTOUR
- MINOR CONTOUR
- REFERENCE STATION / ELEVATION
- CURB RAMP
- CURB INLET
- NEWS PAPER RACKS
- IRRIGATION BOX
- IRRIGATION WIRE BOX
- FIRE ALARM
- CURB & GUTTER
- 15" ACP STORM DRAIN
- BLOCK WALL

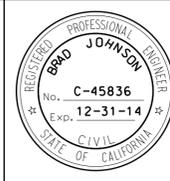
SYMBOL



CONSTRUCTION CHANGE / ADDENDUM			
CHANGE	DATE	AFFECTED OR ADDED SHEET NUMBERS	APPROVAL NO.



**CITY OF SAN DIEGO
 PUBLIC WORKS PROJECT**



SPECIFICATION NO. 2035

G-1

**PLANS FOR THE CONSTRUCTION OF
 REGENTS ROAD RIGHT TURN LANE
 AT LA JOLLA VILLAGE DR.**

TITLE SHEET

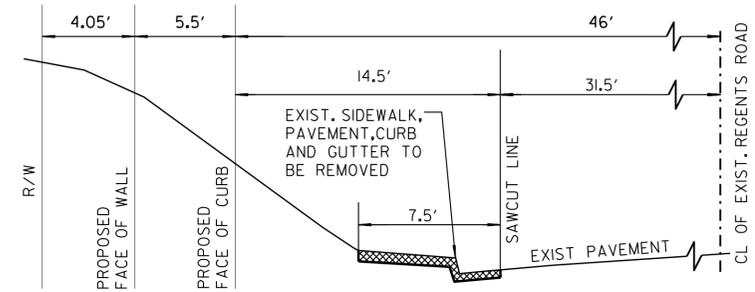
CITY OF SAN DIEGO, CALIFORNIA PUBLIC WORKS DEPARTMENT SHEET 1 OF 12 SHEETS		WBS S-00867
APPROVED: <i>Brad Johnson</i> FOR CITY ENGINEER BRAD JOHNSON PRINT NAME	9/19/13 DATE	SUBMITTED BY: DEAN MARSDEN ASSOCIATE ENGINEER
DESCRIPTION	BY	APPROVED
ORIGINAL	EJ/JS	
		DATE
		FILMED
CONTRACTOR		DATE STARTED
INSPECTOR		DATE COMPLETED
		32874-01-D

REGENTS RD RIGHT TURN LANE AT LA JOLLA VILLAGE DR

DEMOLITION NOTES:

- ① PROPOSED STAGING AREA (TO BE NEGOTIATED WITH UCSD)
- ② PROTECT IN PLACE EXIST FIRE ALARM
- ③ PROTECT IN PLACE EXIST SIGN
- ④ PROTECT IN PLACE EXIST ELEC MH VAULT
- ⑤ PROTECT IN PLACE EXIST ELEC RISER
- ⑥ PROTECT IN PLACE EXIST ELEC PULL BOX
- ⑦ PROTECT IN PLACE EXIST TRAFFIC SIGNAL
- ⑧ PROTECT IN PLACE EXIST STREET LIGHT
- ⑨ REMOVE AND SALVAGE EXIST SIGN (SEE SHEET 10 FOR NEW LOCATION)
- ⑩ REMOVE AND DELIVER EXIST MEDICAL CENTER SIGN TO UCSD. DE-ENERGIZE AND REMOVE EXIST ELECTRICAL CONDUIT AND CONDUCTORS WHICH GO FROM ADJACENT PULLBOX TO SIGN.
- ⑪ REMOVE AND DISPOSE EXIST PAVEMENT, SIDEWALK, CURB & GUTTER
- ⑫ REMOVE AND DISPOSE EXIST PED RAMP
- ⑬ REMOVE AND DISPOSE EXIST CONCRETE SIDEWALK, STAIRS & RAILING
- ⑭ SAWCUT, REMOVE TOP AND CONVERT EXIST STORM DRAIN INLET INTO STORM DRAIN CLEANOUT PER STD. DWG. D-9. ADJUST TOP OF CLEANOUT TO NEW GRADE (SEE CURB INLET CONVERSION DETAIL 'A' THIS SHEET).
- ⑮ REMOVE EXIST 15" ACP STORM DRAIN IN WHOLE SECTIONS AS NEEDED FOR EXCAVATION REQUIRED TO COMPLETE PROPOSED IMPROVEMENTS. ABANDON AND FILL REMAINING PIPE.
- ⑯ REMOVE AND DISPOSE EXIST CONFLICTING FENCE (APPROX 9 FT)
- ⑰ REMOVE AND DISPOSE EXIST FENCE (APPROX 298 FT)

- ⑱ REMOVE AND DISPOSE EXIST CONCRETE BLOCK FENCE
- ⑲ REMOVE AND DISPOSE EXIST TREES OF VARIOUS SIZES
- ⑳ REMOVE AND DISPOSE EXIST LANDSCAPING AS NEEDED WITHIN PROJECT LIMITS. CAP IRRIGATION LINES TO BE ABANDONED AT ROW LINES WITHIN DEMOLITION AREA.
- ㉑ REMOVE COMPLETELY ALL TURF AREAS WITHIN PROJECT LIMITS/LANDSCAPE AREA, INCLUDING APPLICATION OF HERBICIDE TO ENSURE TURF ERADICATION
- ㉒ REMOVE AND DISPOSE EXIST IRRIGATION CONTROL BOX
- ㉓ RELOCATE EXIST TRAFFIC SIGNAL
- ㉔ RELOCATE EXIST OR INSTALL NEW TRAFFIC SIGNAL PULL BOX
- ㉕ ABANDON EXIST TRAFFIC SIGNAL PULL BOX
- ㉖ ABANDON EXIST TRAFFIC SIGNAL FIBER OPTIC VAULT. SEE SHEET 3 FOR LOCATION OF NEW TRAFFIC SIGNAL FIBER OPTIC PULL BOX
- ㉗ RELOCATE EXIST OR INSTALL NEW ELEC PULL BOX
- ㉘ EXIST ELEC MH VAULT TO BE ADJUSTED TO GRADE BY UTILITY OWNER (TO BE COORDINATED WITH SDG&E)
- ㉙ EXIST TELE MH VAULT TO BE ADJUSTED TO GRADE BY UTILITY OWNER (TO BE COORDINATED WITH AT&T)
- ㉚ EXIST TELE MH VAULT TO BE MODIFIED IN PLACE BY UTILITY OWNER (TO BE COORDINATED WITH AT&T)
- ㉛ EXIST TRANSFORMER TO BE RELOCATED BY UTILITY OWNER (TO BE COORDINATED WITH SDG&E)
- ㉜ EXIST 3" PEHP GAS TO BE RELOCATED BY UTILITY OWNER (TO BE COORDINATED WITH SDG&E)
- ㉝ EXIST CABLE TV RISER TO BE RELOCATED BY UTILITY OWNER (TO BE COORDINATED WITH TIME WARNER)
- ㉞ EXIST CABLE TV PULL BOX TO BE ADJUSTED TO GRADE BY UTILITY OWNER (TO BE COORDINATED WITH TIME WARNER)
- ㉟ EXISTING FIBER OPTIC MH VAULT TO BE RELOCATED BY UTILITY OWNER (TO BE COORDINATED WITH COX)



EXISTING & PROPOSED TYPICAL SECTION

NO SCALE

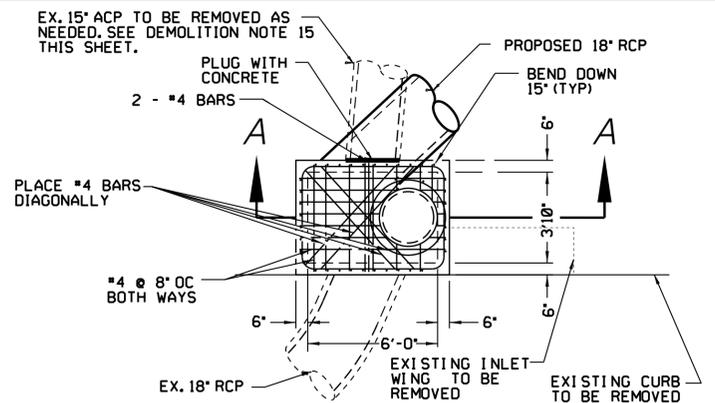
COORDINATE TABLE			
NO.	NORTHING	EASTING	DESCRIPTION
1	1898256.16	6264283.66	BEGIN REMOVAL OF PAVEMENT, CURB, GUTTER AND S/W
2	1898587.25	6264329.56	END REMOVAL OF PAVEMENT, CURB, GUTTER AND S/W
3	1898313.91	6264306.44	END REMOVAL OF CONCRETE WALK
4	1898211.48	6264294.82	BEGIN REMOVAL OF CURB, GUTTER AND PAVEMENT
5	1898218.70	6264290.69	END REMOVAL OF CURB, GUTTER AND PAVEMENT

NOTE:
TRAFFIC SHOULD REMAIN OPEN WHILE CONSTRUCTION IS UNDERWAY.

NOTE:
EXISTING IMPROVEMENTS SHALL BE PROTECTED IN PLACE UNLESS NOTED OTHERWISE.

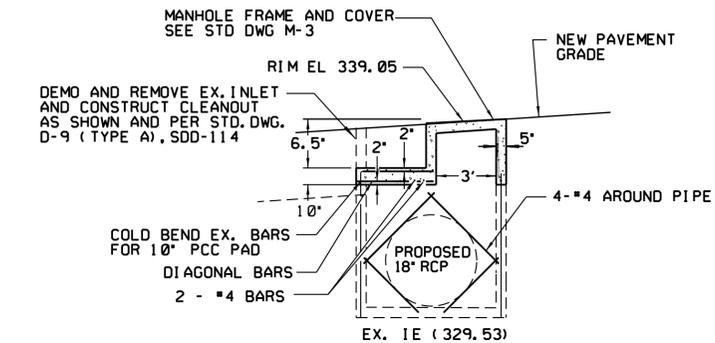
CAUTION
CONTRACTOR TO VERIFY EXACT LOCATION OF EX 3" PEHP GAS AND MUST NOTIFY SDG&E THREE (3) WEEKS IN ADVANCE PRIOR TO EXCAVATION. SDG&E STANDBY REQUIRED.

WARNING:
LOCATION OF GAS & UTILITY LINES ARE APPROXIMATE AND CONTRACTOR SHALL ESTABLISH EXACT LOCATION AND DEPTH PRIOR TO CONSTRUCTION.



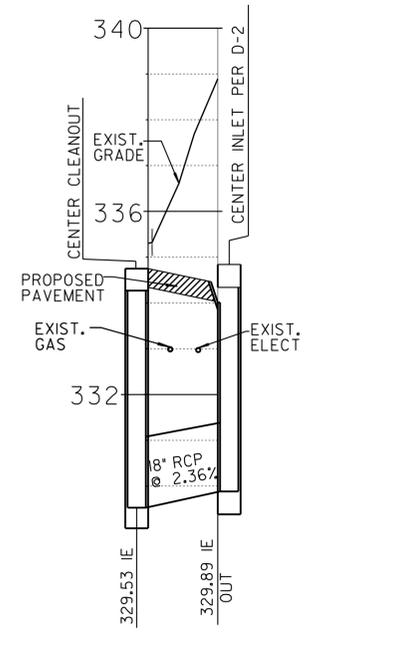
A CURB INLET CONVERSION DETAIL

NO SCALE



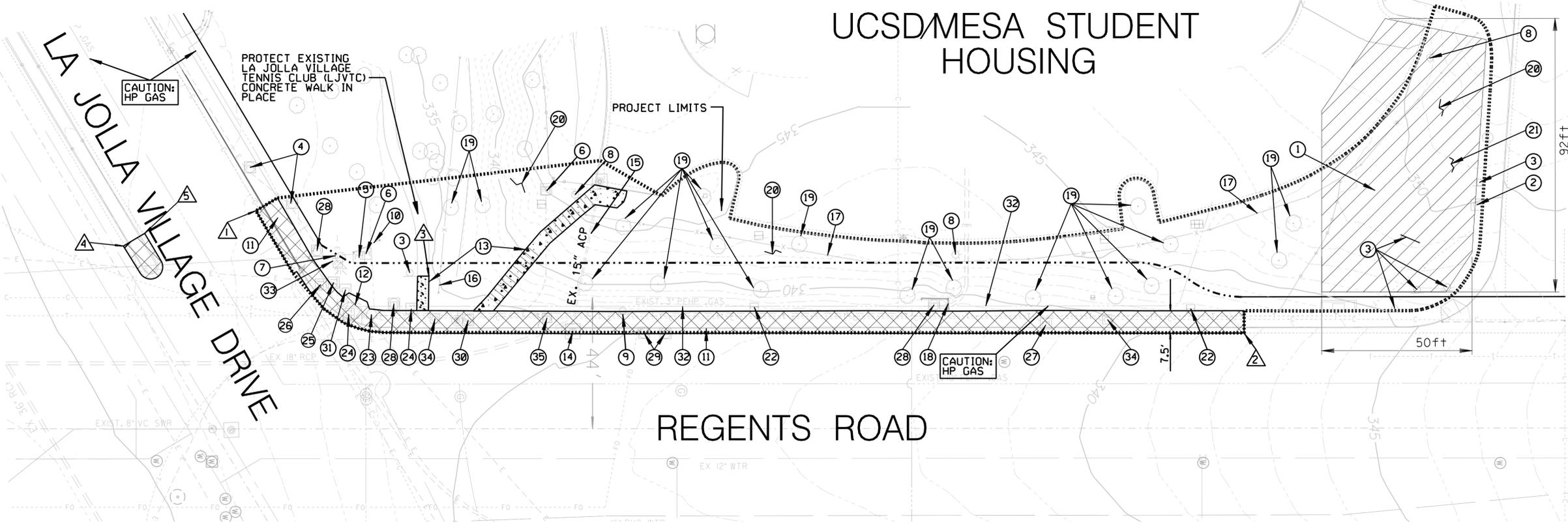
SECTION 'A-A'

NO SCALE



STORM DRAIN PROFILE

HORIZ: 1"=20'
VERT: 1"=2'



UCSD/MESA STUDENT HOUSING

D-1

SCALE 1"=20'

GRAPHIC SCALE

SPECIFICATION NO. 2035

PROFESSIONAL ENGINEER
BRAD JOHNSON
No. C-45836
Exp. 12-31-14
CIVIL
STATE OF CALIFORNIA

PLANS FOR THE CONSTRUCTION OF
REGENTS ROAD RIGHT TURN LANE
AT LA JOLLA VILLAGE DR.
DEMOLITION PLAN / CURB INLET CONVERSION

CITY OF SAN DIEGO, CALIFORNIA
ENGINEERING AND CAPITAL PROJECTS DEPARTMENT
SHEET 2 OF 12 SHEETS

WBS S-00867

APPROVED: *Brad Johnson* 9/19/13 DATE
FOR CITY ENGINEER: **BRAD JOHNSON**
PRINT NAME

DEAN MARSDEN
ASSOCIATE ENGINEER

JAYNA STRAUCHN
PROJECT ENGINEER

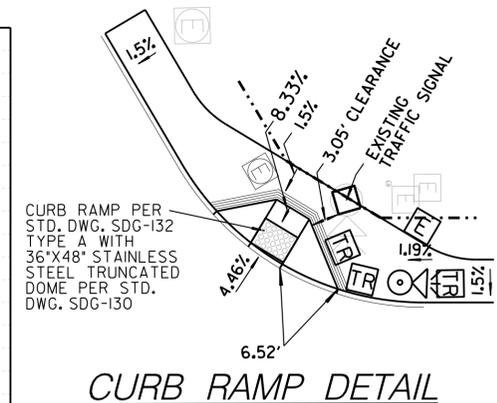
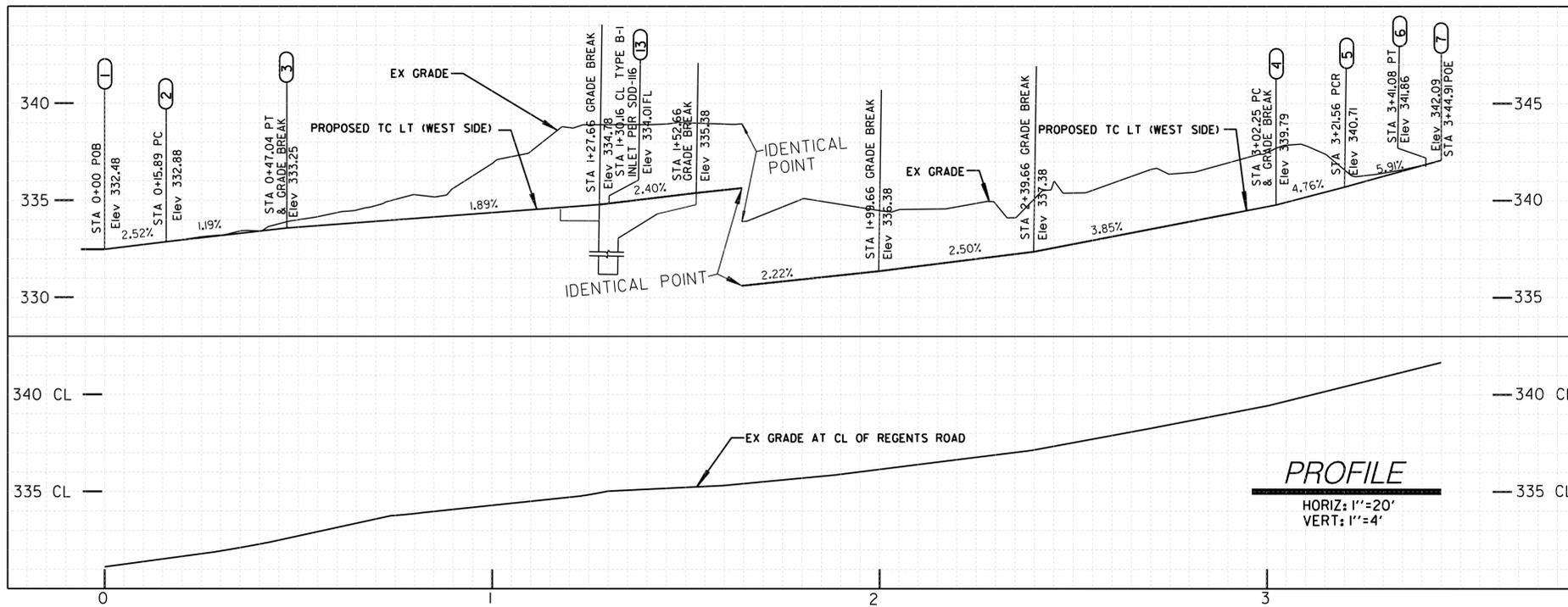
DESCRIPTION	BY	APPROVED	DATE	FILMED
ORIGINAL	EJ/JS			

256-1701
CCS27 COORDINATE
1898-6264
CCS83 COORDINATE

CONTRACTOR _____ DATE STARTED _____
INSPECTOR _____ DATE COMPLETED _____

32874-02-D

REGENTS RD RIGHT TURN LANE AT LA JOLLA VILLAGE DR



CURB RAMP DETAIL

NO SCALE

NOTE:
TRAFFIC SHOULD REMAIN OPEN WHILE CONSTRUCTION IS UNDERWAY.

WARNING:
LOCATION OF GAS & UTILITY LINES ARE APPROXIMATE AND CONTRACTOR SHALL ESTABLISH EXACT LOCATION AND DEPTH PRIOR TO CONSTRUCTION.

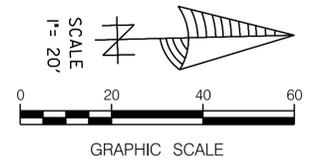
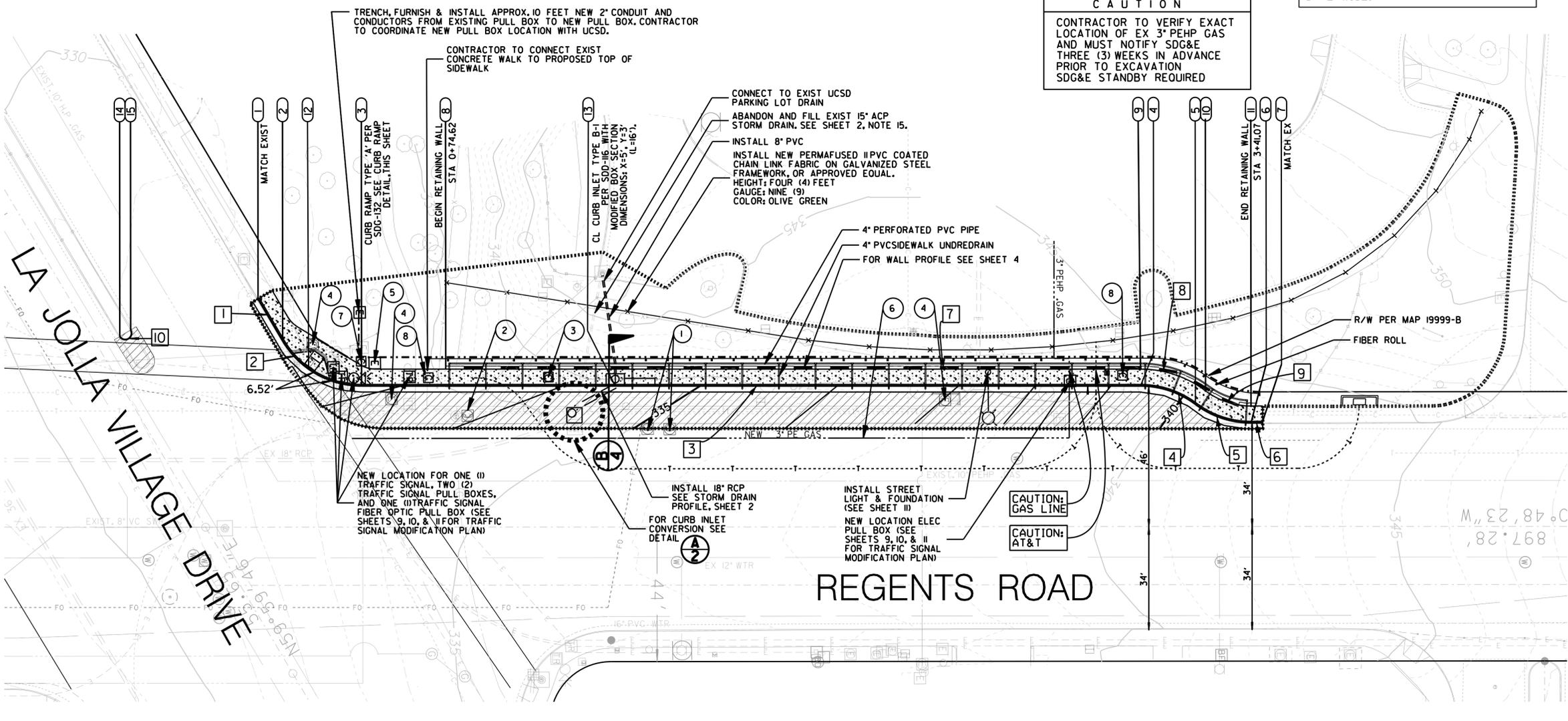
NOTE:
EXISTING IMPROVEMENTS SHALL BE PROTECTED IN PLACE UNLESS NOTED OTHERWISE.

COORDINATE TABLE			
NO.	NORTHING	EASTING	DESCRIPTION
1	1898258.77	6264282.16	POB OF THE CURB
2	1898266.64	6264295.97	PC
3	1898292.26	6264311.21	PT
4	1898547.44	6264314.91	PC
5	1898565.35	6264321.18	PCR
6	1898583.46	6264327.51	PT
7	1898587.28	6264327.56	POE OF THE CURB
8	1898319.91	6264306.03	POB OF THE WALL
9	1898547.52	6264309.41	PC OF THE WALL
10	1898568.71	6264316.83	PCR OF THE WALL
11	1898583.53	6264322.01	POE OF THE WALL
12	1898274.97	6264305.32	CURB RAMP
13	1898375.38	6264312.35	CURB INLET AT TC
14	1898213.30	6264293.78	POB OF THE CURB
15	1898216.89	6264291.72	POE OF THE CURB

WALL AND CURB DATA TABLE					
NO.	Δ/BEARING	RADIUS	LENGTH	REMARKS	
1	N60° 20' 15" E		15.89'	TYPE H CURB PER SDG-151	
2	S9° 29' 11" E	30.00'	31.15'	TYPE H CURB PER SDG-151	
3	N00° 51' 04" E	-	255.21'	TYPE H CURB PER SDG-151	
4	S6° 52' 38" E	30.00'	19.31'	TYPE H CURB PER SDG-151	
5	S6° 55' 14" E	30.29'	19.52'	TYPE H CURB PER SDG-151	
6	N00° 48' 28" E	-	3.83'	TYPE H CURB PER SDG-151	
7	N00° 51' 04" E		227.63'	FACE OF RET WALL	
8	S6° 52' 38" E	35.50'	22.85'	FACE OF RET WALL	
9	S6° 55' 14" E	24.79'	15.97'	FACE OF RET WALL	
10	S180° 00' 00" E	2.07'	6.49'	TYPE B3 CURB PER SDG-154	

WORK TO BE COMPLETED BY UTILITY COMPANIES	
AT&T	1 EXIST TELE MH VAULT ADJUSTED TO GRADE
	2 EXIST TELE MH VAULT MODIFIED IN PLACE
COX	3 FIBER OPTIC MH VAULT RELOCATED TO NEW LOCATION
	4 EXIST ELEC MH VAULT ADJUSTED TO GRADE
SDG&E	5 TRANSFORMER RELOCATED TO NEW LOCATION
	6 3" PEHP GAS RELOCATED TO NEW LOCATION
TIME WARNER	7 CABLE TV RISER RELOCATED TO NEW LOCATION
	8 EXIST CABLE TV PULL BOX ADJUSTED TO GRADE

CAUTION
CONTRACTOR TO VERIFY EXACT LOCATION OF EX 3" PEHP GAS AND MUST NOTIFY SDG&E THREE (3) WEEKS IN ADVANCE PRIOR TO EXCAVATION SDG&E STANDBY REQUIRED



SPECIFICATION NO. 2035

PLANS FOR THE CONSTRUCTION OF
REGENTS ROAD RIGHT TURN LANE
AT LA JOLLA VILLAGE DR.
IMPROVEMENTS PLAN

CITY OF SAN DIEGO, CALIFORNIA
ENGINEERING AND CAPITAL PROJECTS DEPARTMENT
SHEET 3 OF 12 SHEETS

APPROVED: *Brad Johnson* 9/19/13 DATE
FOR CITY ENGINEER
BRAD JOHNSON
PRINT NAME

WBS S-00867

SUBMITTED BY: **DEAN MARSDEN**
ASSOCIATE ENGINEER

JAYNA STRAUCHN
PROJECT ENGINEER

DESCRIPTION	BY	APPROVED	DATE	FILMED
ORIGINAL	EJ/JS			

256-1701
CCS27 COORDINATE
1898-6264
CCS83 COORDINATE

CONTRACTOR _____ DATE STARTED _____
INSPECTOR _____ DATE COMPLETED _____

32874-03-D

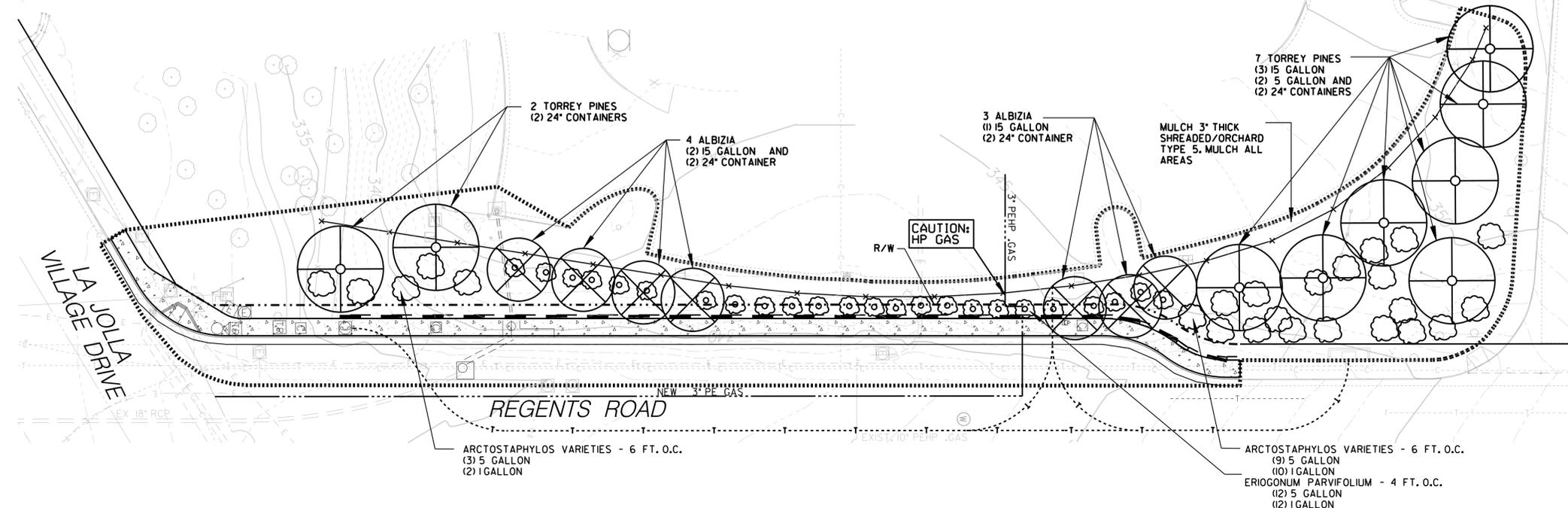
LA JOLLA VILLAGE DRIVE

REGENTS ROAD

NOTE:
EXISTING IMPROVEMENTS SHALL BE PROTECTED IN PLACE UNLESS NOTED OTHERWISE.

WARNING:
LOCATION OF GAS & UTILITY LINES ARE APPROXIMATE AND CONTRACTOR SHALL ESTABLISH EXACT LOCATION AND DEPTH PRIOR TO CONSTRUCTION.

LANDSCAPE PLAN IS DIAGRAMMATIC ONLY



PLANTING NOTES

ALL LANDSCAPING SHALL BE DONE IN ACCORDANCE WITH THE GENERAL PROVISIONS AND THE APPLICABLE PARTS OF SECTION 212 AND 308 OF THE CITY OF SAN DIEGO STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION ("GREEN BOOK") INCLUDING CITY OF SAN DIEGO SUPPLEMENTAL AMENDMENTS AND CITY OF SAN DIEGO STANDARD DRAWINGS, AS WELL AS THE FOLLOWING:

1. THE PLANTING PLANS ARE DIAGRAMMATIC. MINOR ADJUSTMENTS IN PLANT LOCATIONS AND TYPE MAY BE MADE AT THE DISCRETION OF THE RESIDENT ENGINEER.
2. PLANT QUANTITIES AND AREAS SHOWN ON LEGENDS ARE FOR CONTRACTOR'S CONVENIENCE IN ESTIMATING ONLY. CONTRACTOR IS RESPONSIBLE FOR PROVIDING PLANT MATERIALS TO COVER ALL AREAS SHOWN ON PLANS.
3. DO NOT DAMAGE PLANT ROOTBALL DURING TRANSPORTATION OR PLANTING PROCESS.
4. ALL PLANT MATERIAL SHALL BE SUBJECT TO THE APPROVAL OF THE RESIDENT ENGINEER AND REPLACED UPON REQUEST UNTIL PROJECT ACCEPTANCE.
5. RESIDENT ENGINEER SHALL APPROVE FINAL PLACEMENT OF ALL TREES AND SHRUBS PRIOR TO PLANTING.
6. ALL PLANTS PLANTED FROM CONTAINERS SHALL HAVE THEIR ROOTBALLS SCORED WITH A SHARP TOOL TO A DEPTH OF ONE INCH IN THREE LONGITUDINAL INCISIONS AT LOCATIONS SPACED AROUND THE ROOTBALL BEFORE PLACING PLANT IN HOLE. BUTTERFLY BOTTOM OF ROOTBALL.
7. ALL TYING MATERIAL AND MARKING TAPES SHALL BE REMOVED AT THE TIME OF PLANTING.
8. ALL TREES SHALL BE ERECTED IN A VERTICAL MANNER AND HAVE SUFFICIENT TIE-DOWNS TO ASSURE THEIR VERTICALITY DURING THE LIFE OF THE CONTRACT AND MAINTENANCE PERIOD (SEE STD DWG SDL-101, SDL-102)
9. TREES SHALL BE PLANTED NO CLOSER THAN FIVE (5) FEET FROM PAVING, CURBS, OR OTHER CONSTRUCTION.
10. ALL PLANTING AREAS SHALL RECEIVE A THREE (3) INCH LAYER OF TYPE 5 MULCH (FIR BARK CHIPS) TO THE BASE OF THE PLANT. BARK MULCH SHALL BE COMPRISED MAINLY OF SHREDDED PINE OR FIR BARK. PRODUCT SHALL BE FREE OF SEEDS, DEBRIS, AND DELETERIOUS MATERIALS. PARTICLE SIZE SHALL HAVE A 95% PASSING RANGE FROM 1/2" TO 3" WITH SAME FIBERS BEING LONGER. COLOR SHALL BE REDDISH BROWN. SUBMIT TWO (2) SAMPLES FOR APPROVAL BY THE RESIDENT ENGINEER PRIOR TO INSTALLATION. NO MULCH WITHIN 6" OF TREE TRUNKS.
11. IT IS THE CONTRACTOR'S RESPONSIBILITY TO LOCATE ALL PLANT MATERIALS SPECIFIED IN THE CONTRACT DRAWINGS WITHIN THREE (3) WEEKS AFTER AWARD OF CONTRACT AND TO NOTIFY THE ENGINEER IMMEDIATELY OF ANY AVAILABILITY PROBLEMS. IF A SUBSTITUTION IS REQUESTED BY THE CONTRACTOR AFTER THIS INITIAL TWO (2) WEEK TIME FRAME, THE CONTRACTOR WILL BE HELD RESPONSIBLE FOR ALL ADDITIONAL COSTS ASSOCIATED WITH THE UP SIZING OF PLANTS AND/OR SUBSTITUTION OF PLANTS WHICH THE CONTRACTOR HAS DETERMINED TO BE UNAVAILABLE. SUBMIT PHOTOS TO THE RESIDENT ENGINEER FOR REVIEW PRIOR TO SHIPMENT TO THE PROJECT SITE.

12. TREE STAKES SHALL BE 2-INCH-DIAMETER BY 10-FOOT-LONG STRAIGHT-GRAINED COPPER NAPHTHANATE TREATED LODGEPOLE PINE. STAKES SHALL BE FREE FROM KNOTS, CHECKS, SPLITS, OR DISFIGUREMENTS.
13. SOIL SHALL BE FREE FROM NOXIOUS WEED SEED AND SHALL BE OF A LOAM CHARACTERISTIC, FERTILE AND FRIABLE.
14. SOIL PREPARATION AND FINE GRADING SHALL BE COMPLETED PRIOR TO PLANTING. ALL LANDSCAPE AREAS TO BE TREATED WITH A PRE-EMERGENT CHEMICAL. CHEMICALS ARE TO BE APPLIED BY A LICENSED PEST CONTROL AGENT. THIS TREATMENT SHALL BE APPLIED AT THE FOLLOWING TIMES DURING THE CONTRACT: A) BEFORE PLANTING; B) AT BEGINNING OF PLANT ESTABLISHMENT PERIOD; AND C) AT THE END OF PLANT ESTABLISHMENT PERIOD.
15. STIMULANT SHALL BE APPLIED AT PLANTING AND SHALL BE VITAMIN B1 AS MANUFACTURED BY CAL-LIQUID OR APPROVED EQUAL.
16. BURYING OF DEBRIS IN HOLES WILL NOT BE PERMITTED. ALL EXCESS SOIL AND DEBRIS FROM THE RELOCATION WORK SHALL BE DISPOSED OF OFF THE SITE BY THE CONTRACTOR. THE SITE SHALL BE LEFT NEAT AND CLEAN TO THE APPROVAL OF THE RESIDENT ENGINEER.
17. TREES SHALL BE MAINTAINED TO KEEP A MINIMUM OF 80" HEAD CLEARANCE AS MEASURED FROM THE TREE SPREAD TO THE FINISHED SIDEWALK SURFACE.

WATERING

IMMEDIATELY AFTER PLANTING, APPLY WATER TO EACH TREE, SHRUB, OR GROUND COVER PLANTING. APPLY WATER IN A MODERATE STREAM IN THE PLANTING HOLE UNTIL THE MATERIAL ABOUT THE ROOTS IS COMPLETELY SATURATED FROM THE BOTTOM OF THE HOLE TO THE TOP OF THE GROUND.
APPLY WATER IN SUFFICIENT QUANTITIES AND AS OFTEN AS SEASONAL CONDITIONS REQUIRE TO KEEP THE PLANTED AREAS MOIST AT ALL TIMES, WELL BELOW THE ROOT SYSTEM OF PLANTS, UNTIL PROJECT IS ACCEPTED BY CITY.

TREE AND SHRUB PLANTING

TREES AND SHRUBS:
-PLANT HOLES SHALL BE DUG TO THE DEPTH OF THE PLANT ROOTBALL, BEFORE TREES ARE SET IN THE HOLES (SEE STD DWG SDL-101).
-SOIL REMAINING IN PLANT BEDS AFTER EXCAVATION SHALL BE TESTED FOR HORTICULTURAL SUITABILITY PRIOR TO TOPSOIL IMPORT.
-SHALL BE PLANTED AT SUCH A DEPTH THAT THE CROWN ROOTS BEAR THE SAME RELATIVE POSITION TO FINISH GRADE AS THEY DID TO THE SOILS WHERE THEY WERE GROWN. BACKFILL AFTER PLANTING SHALL BE COMPACTED CAREFULLY INTO THE PLACE WITHOUT INJURING THE ROOTS OF THE TREE OR BREAKING UP THE BALL OF EARTH SURROUNDING THE ROOTS.

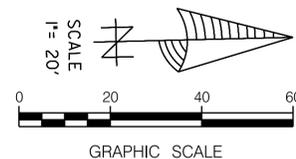
FINISH GRADING

AFTER COMPLETION OF ALL SOIL PREPARATION WORK, THE CONTRACTOR SHALL FINISH GRADE ALL PLANTING AREAS, FILLING AS NEEDED OR REMOVING SURPLUS DIRT, REMOVING ROCKS AND DEBRIS OVER 1/2 INCH IN DIAMETER, AND FLOATING TO A SMOOTH UNIFORM GRADE. ALL AREAS SHALL SLOPE TO DRAIN. FLOW LINES SHALL BE ESTABLISHED TO MATCH EXISTING DRAINAGE.

CONTRACTOR SHALL NOT PROCEED WITH PLANTING WORK UNTIL FINISH GRADES HAVE BEEN INSPECTED AND ACCEPTED BY THE RESIDENT ENGINEER.

SOIL TESTING NOTES

SOIL TESTS SHALL BE PERFORMED ON BOTH ENDS OF THE LANDSCAPE AREA AND AT THE INTERVAL OF 100' MAX. AT EACH TEST SITE TAKE 2(TWO) SEPARATE SAMPLES AT LEAST 12" DEEP (EXISTING SOIL).



SPECIFICATION NO. 2035

<p>PLANS FOR THE CONSTRUCTION OF REGENTS ROAD RIGHT TURN LANE AT LA JOLLA VILLAGE DR. LANDSCAPE PLAN, NOTES AND SECTIONS</p>			
CITY OF SAN DIEGO, CALIFORNIA ENGINEERING AND CAPITAL PROJECTS DEPARTMENT SHEET 5 OF 12 SHEETS		WBS S-00867	
APPROVED FOR CITY ENGINEER BRAD JOHNSON PRINT NAME	DATE 9/19/13	SUBMITTED BY DEAN MARSDEN ASSOCIATE ENGINEER	
DESCRIPTION	BY	APPROVED	DATE
ORIGINAL	EJ/JS		
		PROJECT ENGINEER JAYNA STRAUCHN	
		256-1701 CCS27 COORDINATE	
		1898-6264 CCS83 COORDINATE	
CONTRACTOR	DATE STARTED	32874-05-D	
INSPECTOR	DATE COMPLETED		

IRRIGATION NOTES

ALL IRRIGATION SHALL BE DONE IN ACCORDANCE WITH THE GENERAL PROVISIONS AND THE APPLICABLE PARTS OF SECTION 212 AND 308 OF THE CITY OF SAN DIEGO STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION ("GREEN BOOK") INCLUDING CITY OF SAN DIEGO SUPPLEMENTAL AMENDMENTS AND CITY OF SAN DIEGO STANDARD DRAWINGS, AS WELL AS THE FOLLOWING:

- CONTRACTOR SHALL PROPERLY MAINTAIN THE IRRIGATION SYSTEM. A BALANCED WATER PROGRAM SHALL BE MAINTAINED TO ENSURE PROPER GROWTH UNTIL FINAL ACCEPTANCE OF THE WORK. IF IRRIGATION SYSTEM OPERATIONS ARE INTERRUPTED DUE TO REPAIRS OR MODIFICATIONS, PLANTS WHICH CANNOT BE WATERED EFFICIENTLY WITH THE IRRIGATION SYSTEM SHALL BE WATERED BY OTHER MEANS, SUCH AS A HOSE, UNTIL A PERMANENT SOLUTION CAN BE INSTALLED. NO HOSES SHALL CROSS TRAFFIC LANES.
- THE CONTRACTOR SHALL COORDINATE HIS WORK WITH THE OTHER TRADES AND MAINTAIN DRAINAGE DURING CONSTRUCTION.
- CONTRACTOR SHALL INSTALL CONCRETE THRUST BLOCKING PER DWG. WT-01 AT ALL CHANGES OF DIRECTION AND TERMINAL POINTS OF PRESSURE PIPE.
- ALL LINES SHALL HAVE A MINIMUM CLEARANCE OF 6 INCHES FROM EACH OTHER AND 12 INCHES FROM LINES OF OTHER TRADES.
- ALL THREADED PLASTIC-TO-PLASTIC CONNECTIONS SHALL BE ASSEMBLED USING TEFLON TAPE.
- INSTALL ALL ASSEMBLIES SPECIFIED HEREIN ACCORDING TO THE RESPECTIVE DETAIL DRAWINGS OR SPECIFICATIONS USING BEST STANDARD PRACTICE.
- THE UCSD IRRIGATION SYSTEM SHALL BE REPROGRAMMED TO ACCOMMODATE PROPOSED IRRIGATION.
- PRIOR TO INSTALLATION OF EMITTERS AND SPRINKLER HEADS, THE VALVES SHALL BE OPENED AND A FULL HEAD OF WATER USED TO FLUSH OUT THE LINES AND RISERS.
- THE ENTIRE IRRIGATION SYSTEM SHALL BE OPERATING PROPERLY BEFORE ANY PLANTING OPERATIONS COMMENCE.
- MATERIALS OR EQUIPMENT INSTALLED OR FURNISHED THAT DO NOT MEET THE CITY STANDARDS WILL BE REJECTED AND SHALL BE REMOVED FROM THE SITE AT NO EXPENSE TO THE CITY.
- CONTRACTOR TO ADJUST PRESSURE REGULATORS, HEADS, AND IN-LINE DRIP SYSTEM TO PROVIDE COMPLETE AND ADEQUATE COVERAGE OF ALL PLANTING AREAS PER MANUFACTURERS SPECS.
- CONTRACTOR SHALL ADJUST ALL HEADS, AND IN-LINE DRIP SYSTEM AS REQUIRED TO ACCOMMODATE ANY VERTICAL OBSTRUCTIONS THAT MAY OCCUR, INCLUDING BUT NOT LIMITED TO SIGNS, LIGHT POLES, FIRE HYDRANTS, WALLS, FENCES & HARDSCAPE IMPROVEMENTS, ETC.. VERIFY ALL HEAD LAYOUT WITH RESIDENT ENGINEER PRIOR TO COMMENCING WORK.
- IN-LINE DRIP SYSTEM (DL 2000) TO BE USED EXCLUSIVELY ON THIS PROJECT EXCEPT POP-UP SPRAY HEAD FOR TREES.
- CONTRACTOR SHALL INSTALL IRRIGATION SYSTEMS THAT ARE COMPLETE AND FUNCTIONING IN EVERY WAY
- PLANS ARE DIAGRAMMATIC AND APPROXIMATE. PRECISE LOCATION OF MAINLINE, LATERAL LINE OR HEADS SHALL BE FIELD ADJUSTED TO MEET MINOR VARIATIONS IN PLAN.
- CONTRACTOR SHALL PROVIDE CONTINUOUS FUNCTIONING TO ANY EXISTING IRRIGATION SYSTEMS TO ANY AREAS DISTURBED BY CONSTRUCTION.
- CONTRACTOR SHALL NOTE LOCATIONS OF TREES ON PLANTING PLAN AND SHALL ROUTE IRRIGATION PIPE AND PLACE HEADS TO PREVENT CONFLICTS WITH TREE PLANTING. LOCATE PIPE ALONG EDGE OF PLANTING AREA WHEREVER POSSIBLE.
- EACH IRRIGATION HEAD SHALL BE INSTALLED WITH AN ANTI-VANDALISM DEVICE, SUCH AS "HEAD-LOC" BY KING BROS. , INC. OR APPROVED EQUAL.
- WHERE CHANGES IN ELEVATION EXCEED 7'-0" ON A LATERAL CIRCUIT, A LINE SIZE ANTI-DRAIN VALVE SHALL BE INSTALLED. FOR EACH ADDITIONAL 7'-0" CHANGE IN ELEVATION ON A LATERAL CIRCUIT, AN ADDITIONAL LINE SIZE ANTI-DRAIN VALVE SHALL BE INSTALLED.
- CONTRACTOR SHALL CHECK AND VERIFY ALL SITE CONDITIONS, UTILITIES, AND SERVICES PRIOR TO BEGINNING OF WORK.
- CONTRACTOR SHALL SUPPLY AS-BUILT DIAGRAMS OF THE PROPOSED IRRIGATION SYSTEM. "AS-BUILT" DRAWINGS SHALL INCLUDE LOCATIONS OF ALL MAINS, VALVES, CONTROL WIRE SLEEVES, AND HEADS. LOCATE BY DIMENSIONING FROM TWO FIXED POINTS.

CONSTRUCTION (IRRIGATION) NOTES:

- THE PROPOSED IRRIGATION WILL BE A PART OF THE EXISTING IRRIGATION SYSTEM ON UCSD BOUNDARY AND WAS DESIGNED BY UCSD REQUIREMENTS.
- THE PROPOSED IRRIGATION SHALL BE RECYCLED WATER READY.
- UCSD IS RESPONSIBLE TO RECEIVE AN APPROVAL FROM THE COUNTY OF SAN DIEGO DEPARTMENT OF ENVIRONMENTAL HEALTH BEFORE CONNECTING TO ANY RECYCLED WATER MAIN. (GLENN LEEKS, TEL. NO. 858-694-2121)
- CONTRACTOR TO COORDINATE WITH UCSD REPRESENTATIVES (ANU DELOURI, TEL. NO. 858-822-0150) REGARDING THE TYPE AND LOCATION OF IRRIGATION SYSTEM.
- CONTRACTOR TO FOLLOW MANUFACTURER RECOMMENDATIONS AND DETAILS.
- EXISTING VALVES, MAINLINE AND WIRING SHALL BE PROTECTED IN PLACE UNLESS OTHERWISE NOTED ON PLANS.
- LOCATE AND IDENTIFY WIRES AND MAINLINE PRIOR TO BEGINNING ANY SITE WORK.
- THE IN-LINE DRIP SYSTEM (FOR SHRUBS) HAS CONNECTED TO EXISTING IRRIGATION VALVE (TWO LOCATIONS, SEE PLAN)
- INSTALL DOUBLE SPRAY SYSTEM FOR EACH TREE.
- THE FILTER AND PRESSURE REDUCER ASSEMBLY SHALL BE INSTALLED IN THE BOX AND CONNECTED TO THE EXISTING VALVE ON NON-PRESSURE SIDE FOR SHRUBS IN-LINE DRIP SYSTEM.
- IN-LINE DRIP TUBING (TORO, DL 2000 OR APPROVED EQUAL) WILL BE INSTALLED ABOVE GROUND. TUBING TO BE COVERED WITH MINIMUM 3-INCH THICK MULCH. THE FINISH GRADE TO BE 2-1/2 INCHES BEFORE FINISH SURFACE TO ALLOW FOR THREE INCHES OF MULCH TO TAPER TO ADJACENT SURFACES. STAPLE IN-LINE DRIP TUBING TO GROUND AT 3 FT. INTERVAL.
- CONTRACTOR TO IDENTIFY AND INSTALL QUICK COUPLER/FLUSH VALVES (IN THE BOX) AT ALL LOW POINTS AT EACH END OF DRIP SYSTEM.
- CONTRACTOR TO IDENTIFY AND INSTALL AIR RELIEF VALVES (IN THE BOX) AT ALL HIGH POINTS ON DRIP SYSTEM.
- INSTALL TORO DL 2000 OPERATION INDICATOR (DL-MP9) OR APPROVED EQUAL. USE ONE PER ZONE AND LOCATE AT FLUSH END OF ZONE.
- USE MANIFOLD CONNECTION TO SUPPLY AND RELIEF LINES.
- THE DEPTH OF IRRIGATION LINES IS 15"-21".
- INSTALL IRRIGATION PIPE IN SLEEVE UNDER SIDEWALK. THE SLEEVE DIAMETER TO BE 2X DIAMETER OF PIPE OR WIRE BUNDLE. EXTEND SLEEVE 12" BEYOND EDGE OF HARDSCAPE.

SUPPLEMENTAL IRRIGATION SPECIFICATIONS

- GENERAL: ALL MATERIALS AND EQUIPMENT USED IN SPRINKLERS IRRIGATION WORK SHALL BE NEW AND WITHOUT FLAWS OR DEFECTS AND OF QUALITY AND PERFORMANCE AS SPECIFIED. PRIOR TO INSTALLATION OF ANY IRRIGATION WORK, THE CONTRACTOR SHALL SUBMIT FOR APPROVAL BY THE CITY, A LIST OF ALL PROPOSED MATERIALS AND EQUIPMENT. SHOULD THE CONTRACTOR PROPOSE TO USE MATERIAL(S) OR EQUIPMENT OTHER THAN THOSE AS LISTED AS "APPROVED", THE CONTRACTOR SHALL SUBMIT IN WRITING, TO THE CITY, A REQUEST TO DEVIATE FROM THE APPROVED LIST. SAMPLES OF THE MATERIAL(S) OR EQUIPMENT SHOULD ACCOMPANY THE REQUEST TO ASSIST IN THE EVALUATION OF THE PROPOSED SUBSTITUTION. THE BURDEN OF PROOF SHALL BE BORNE BY THE CONTRACTOR.
- PIPE THRUST BLOCKS: ALL PRESSURE PIPE 4" AND SMALLER, POLYVINYL CHLORIDE OR ASBESTOS CEMENT SHALL HAVE THE CORRECT SIZED CONCRETE THRUST BLOCK INSTALLED AT EVERY ABRUPT CHANGE OF ALIGNMENT: AT BALL OR GATE VALVES, AT TEES, ELBOWS AND CROSSES, AND AT ENDS OF PIPE RUNS; OR WHEREVER THE FIELD ENGINEER DEEMS ONE TO BE NECESSARY. THRUST BLOCKS ARE TO BE INSTALLED AS PER STANDARD DRAWINGS SDW-151, SIZED AS FOR 4" PIPE.
- PIPE SLEEVES: SHALL BE SCH. 40 PVC, TWO TIMES THE PIPE SIZE DIAMETER AND EXTEND 12" BEYOND EACH SIDE OF PAVEMENT. THE LETTERS "E" FOR ELECTRICAL OR "W" FOR WATER SHALL BE STAMPED OR CHISELED ON THE PAVEMENT DIRECTLY ABOVE THE SLEEVE.
- TRENCH MARKER TAPE FOR ALL PRESSURE PIPE: SHALL HAVE A CONTINUOUS BLUE COLORED TRENCH MARKER METALLIC TAPE PLACED 9" BELOW FINISH GRADE AND DIRECTLY ABOVE THE BURIED PIPE.
- SAND ENCASEMENT FOR PIPE: FOR ALL IRRIGATION PIPE, DIRECT BURIAL CONTROL WIRE AND ELECTRICAL CONDUIT SHALL BE PLASTER OR MORTAR SAND AS PER SECTION 200 OF THE GREENBOOK, WITH A MINIMUM SAND EQUIVALENT OF 50.
- REMOTE CONTROL VALVE BOXES: SHALL BE CONCRETE WITH A CAST IRON LOCKING LID. THE CONTRACTOR SHALL PAINT THE IDENTIFICATION NUMBER OF THE VALVE BOX. THE PAINT SHALL BE WHITE OR YELLOW ALUMINUM ASPHALTIC-BASE WATERPROOF PAINT. IN ADDITION, WEATHERPROOF, PLASTIC IDENTIFICATION TAGS SHALL BE AFFIXED TO THE COLORED CONDUCTOR IN THE VALVE BOX.
- VALVE BOX LOCKING LIDS: THE CONTRACTOR SHALL REWORK THE LOCKING TOGGLES OF THE CONCRETE VALVE BOXES BY REPLACING THE EXISTING CLEVIS PIN AND SHEET METAL CLIP WITH A MARINE-TYPE STAINLESS STEEL MACHINE BOLT AND SELF-LOCKING UNIT. APPLY OIL TO LUBRICATE AND TO PREVENT RUST.
- ANTI-DRAIN/EXCESS-FLOW VALVE: SHALL BE INSTALLED UNDER EACH SPRINKLER HEAD WHICH IS NOT EQUIPPED WITH AN INTERNAL CHECK VALVE (AS ANTI-GEYSER DEVICE AS WELL AS A LOW HEAD ANTI-DRAIN VALVE).
- ALTERNATE PIPE SLEEVE LOCKING CAP FOR VALVES: HEAVY DUTY RED BRASS LOCKING CAP THREADED TO FIT 2" DIAMETER SCH. 40 PVC PIPE.
- MULTIPLE CONTROLLER INSTALLATIONS: ENCLOSURES SHALL BE SIZED ACCORDINGLY. NO 110 VOLT WIRE RUNS SHALL PASS FROM CONTROLLER CABINET TO CABINET. EACH CONTROLLER SHALL HAVE A SEPARATE ELECTRICAL SERVICE THROUGH A RACEWAY. PROVIDE ONE POWER OFF-ON SWITCH TO EACH CONTROLLER.

- DIRECT BURIAL CONTROL WIRES: SHALL BE SOLID COPPER, 600 VOLT, TYPE UF, CONFORMING TO THE GREENBOOK, THE STANDARD DRAWINGS AND THE FOLLOWING WIRE COLORS AND INSTALLATION REQUIREMENTS.

NEUTRAL WIRES: WHITE (#12 AWG), DO NOT INTERCONNECT NEUTRAL WIRES BETWEEN CONTROLLERS	VALVE NO.
PILOT WIRES: (#14 AWG), USE AS MANY AS NECESSARY.	10. WHITE W/ RED STRIPE
1/19* YELLOW	11. YELLOW W/ RED STRIPE
2/20* ORANGE	12. BLUE W/ RED STRIPE
3/21* BLUE	13. ORANGE W/ RED STRIPE
4/22* BLACK	14. PURPLE W/ WHITE STRIPE
5/23* BROWN	15. BROWN W/ WHITE STRIPE
6/24* PURPLE	16. YELLOW W/ WHITE STRIPE
7. YELLOW W/ BLACK STRIPE	17. BLUE W/ WHITE STRIPE
8. ORANGE W/ BLACK STRIPE	18. RED W/ WHITE STRIPE
9. RED W/ BLACK STRIPE	
* COLORS REPEAT FOR VALVES BEYOND 18.	

SPARE WIRES: TWO (2) RED (#14 AWG) FROM FURTHEST VALVE OR MANIFOLD TO EACH CONTROLLER.

- WIRE CONNECTIONS: NEUTRAL, PILOT AND SPARE WIRES SHALL BE INSTALLED WITH A 2'-0" COILED EXCESS WIRE LENGTH AT EACH END ENCLOSURE. EACH AND EVERY WIRE SPLICE SHALL BE SOLDERED TOGETHER (USING 60-40 SOLDER), THEN ENCASED IN THE WATERPROOF EPOXY CONNECTORS. WIRE SPLICES SHALL BE MADE ONLY IN VALVE OR PULL BOXES.

- WIRE BUNDLES: EACH INDIVIDUAL CONTROLLER CLOCK'S CONTROL WIRES SHALL BE BUNDLED AND TAPED TOGETHER WITH COLORED TAPE AT INTERVALS NOT EXCEEDING 10'-0". CONTROLLER IDENTIFICATION TAPE COLORS SHALL BE AS FOLLOWS: (USE AS MANY AS NECESSARY)

CONTROLLER	COLOR	CONTROLLER	COLOR
"A"	BLACK	"D"	BLUE
"B"	RED	"E"	GREEN
"C"	WHITE	"F"	YELLOW

- WIRES IN PULL BOXES: SHALL BE LOOSE AND SHALL NOT COME WITHIN 3" INCHES FROM LID. BOXES SHALL BE SIZED ACCORDINGLY TO ACCOMMODATE THIS REQUIREMENT.
- TRENCH MARKER TAPE FOR WIRES: ALL DIRECT BURIAL WIRES SHALL BE MARKED WITH A CONTINUOUS RED COLORED TRENCH MARKER PLASTIC TAPE PLACED NINE INCHES (9") BELOW FINISHED GRADE AND DIRECTLY ABOVE THE BURIED WIRES. TAPE SHALL BE THREE INCHES (3") WIDE.
- WIRE TESTING: SHALL BE TESTED FOR CONTINUITY, OPEN CIRCUITS, AND UNINTENTIONAL GROUNDS PRIOR TO CONNECTING TO EQUIPMENT. THE MINIMUM INSULATION RESISTANCE TO GROUND SHALL BE 50 MEGOHMS. ANY WIRING NOT MEETING THIS REQUIREMENT SHALL BE REPLACED, AT THE CONTRACTOR'S EXPENSE.
- AS BUILT IRRIGATION PLANS: A REDUCED COPY OF APPROVED AS-BUILT IRRIGATION PLAN(S), COLOR CODED BY STATIONS AND LAMINATED IN PLASTIC, SHALL BE MOUNTED ON THE INSIDE OF EACH CONTROLLER ENCLOSURE FOR MAINTENANCE PERSONNEL AT THE TIME OF FINAL ACCEPTANCE.

I-1



SPECIFICATION NO. 2035

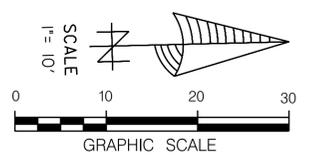
PLANS FOR THE CONSTRUCTION OF REGENTS ROAD RIGHT TURN LANE AT LA JOLLA VILLAGE DR. IRRIGATION NOTES			
CITY OF SAN DIEGO, CALIFORNIA ENGINEERING AND CAPITAL PROJECTS DEPARTMENT SHEET 6 OF 12 SHEETS		WBS <u>S-00867</u>	
APPROVED: <i>Brad Johnson</i> FOR CITY ENGINEER BRAD JOHNSON PRINT NAME	9/19/13 DATE	SUBMITTED BY: DEAN MARSDEN ASSOCIATE ENGINEER	
DESCRIPTION	BY	APPROVED	DATE
ORIGINAL	EJ/JS		
CONTRACTOR _____		DATE STARTED _____	32874-06-D
INSPECTOR _____		DATE COMPLETED _____	

REGENTS RD RIGHT TURN LANE AT LA JOLLA VILLAGE DR

IRRIGATION PLANS ARE DIAGRAMMATIC ONLY

NOTE:
EXISTING IMPROVEMENTS SHALL BE PROTECTED IN PLACE UNLESS NOTED OTHERWISE.

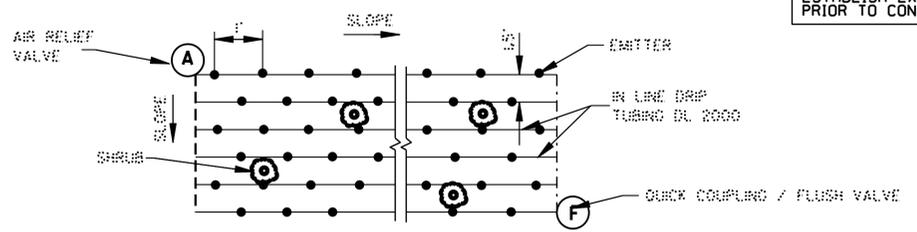
WARNING:
LOCATION OF GAS & UTILITY LINES ARE APPROXIMATE AND CONTRACTOR SHALL ESTABLISH EXACT LOCATION AND DEPTH PRIOR TO CONSTRUCTION.



PROTECT EXISTING TURF AND IRRIGATION SYSTEM : VALVES, MAINLINE & WIRING

ASSUMED ROUTE FOR EXISTING WIRES. VERIFY PRIOR TO EXCAVATION

GRAPHIC EXAMPLE OF IN LINE DRIP TUBING LAYOUT



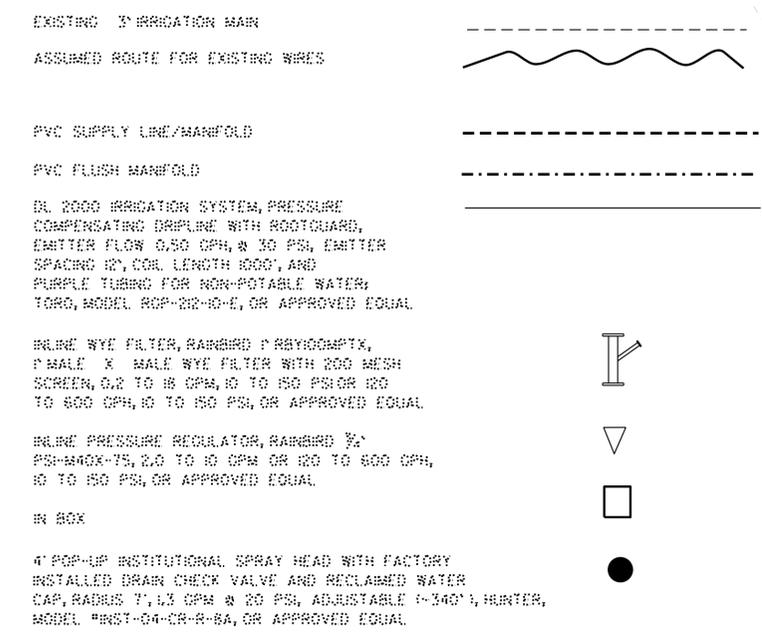
SHRUBS - IN LINE DRIP SYSTEM:

1. TORO MODEL # DL 2000 IN LINE DRIP TUBING WITH 12 INCH ON CENTER DRIP EMITTERS OR APPROVED EQUAL
2. 18 INCH ON CENTER ROW SPACING
3. MINIMUM TWO ROWS ON EITHER SIDE OF EACH SHRUB

CONTRACTOR TO PROTECT IN PLACE EXISTING IRRIGATION IN THIS LOCATION AND WILL COORDINATE WITH THE LA JOLLA VILLAGE TENNIS CLUB HOMEOWNERS ASSOCIATION FOR CONNECTION AND REPLACEMENT OF IRRIGATION SYSTEM AS NEEDED.

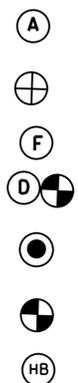
- NOTES:**
1. FOR IRRIGATION NOTES AND SPECS. SEE SHEET 8
 2. FOR GRAPHIC EXAMPLE OF DOUBLE SPRAY SYSTEM AT EACH TREE SEE SHEET 8.
 3. ALL EXISTING AND PROPOSED IRRIGATION SYSTEMS WITHIN THE LA JOLLA VILLAGE TENNIS CLUB HOMEOWNERS ASSOCIATION (LJVTC) HOA LICENSED AREA TO BE CONNECTED TO ONLY LJVTC HOA

IRRIGATION LEGEND:



IRRIGATION LEGEND CONT.

- TORO DL 2000 AIR/VACUUM RELIEF VALVE (1/2-500-3/4) OR APPROVED EQUAL IN THE BOX, FLOW, PSI
- EXISTING BALL VALVE
- RECYCLE WATER FLUSH VALVE BARBERCO 1/2" 3/4" DRIP OR APPROVED EQUAL IN THE BOX
- EXISTING VALVE-MODIFY FOR NEW DRIP SYSTEMS
- QUICK COUPLER
- EXISTING VALVE (3 TOTAL FOR REUSE)
- EXISTING HOSE BIB



LA JOLLA VILLAGE DRIVE

REGENTS ROAD

NEW 3" PE GAS

MATCH LINE SEE SHEET 8

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SPECIFICATION NO. 2035

PLANS FOR THE CONSTRUCTION OF
REGENTS ROAD RIGHT TURN LANE
AT LA JOLLA VILLAGE DR.
IRRIGATION PLAN

CITY OF SAN DIEGO, CALIFORNIA ENGINEERING AND CAPITAL PROJECTS DEPARTMENT SHEET 7 OF 12 SHEETS		WBS S-00867
APPROVED: <i>Brad Johnson</i> FOR CITY ENGINEER BRAD JOHNSON PRINT NAME	9/19/13 DATE	SUBMITTED BY: DEAN MARSDEN ASSOCIATE ENGINEER
DESCRIPTION	BY	APPROVED
ORIGINAL	EJ/JS	
PROJECT ENGINEER		JAYNA STRAUCHN
PROJECT NUMBER		256-1701
COORDINATE		1898-6264
COORDINATE		32874-07-D
CONTRACTOR	DATE STARTED	
INSPECTOR	DATE COMPLETED	

REGENTS RD RIGHT TURN LANE AT LA JOLLA VILLAGE DR

NOTES:

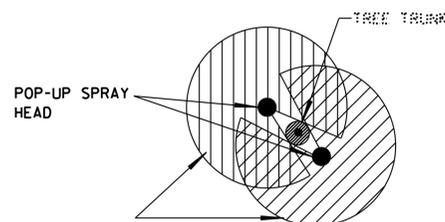
1. FOR IRRIGATION NOTES AND SPECS SEE SHEET 6
2. FOR IRRIGATION LEGEND SEE SHEET 7
3. FOR GRAPHIC EXAMPLE OF IN LINE DRIP TUBING LAYOUT SEE SHEET 7
4. FOR LATERAL PIPE SIZED CHART SEE SHEET 7

IRRIGATION PLANS ARE DIAGRAMMATIC ONLY

NOTE:
EXISTING IMPROVEMENTS SHALL BE PROTECTED IN PLACE UNLESS NOTED OTHERWISE.

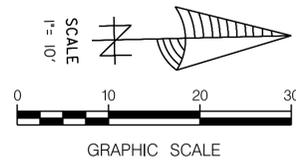
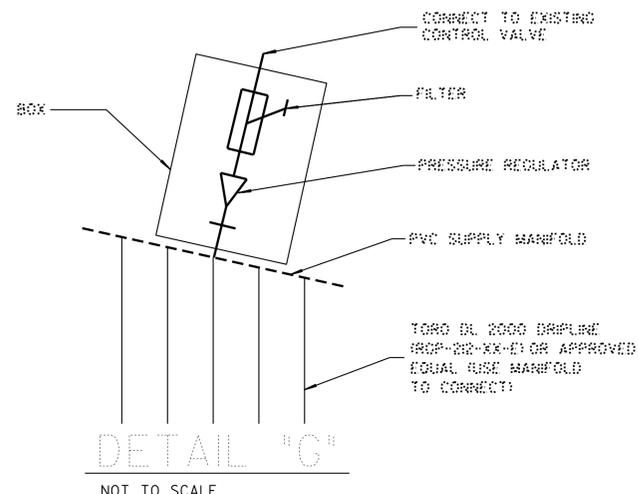
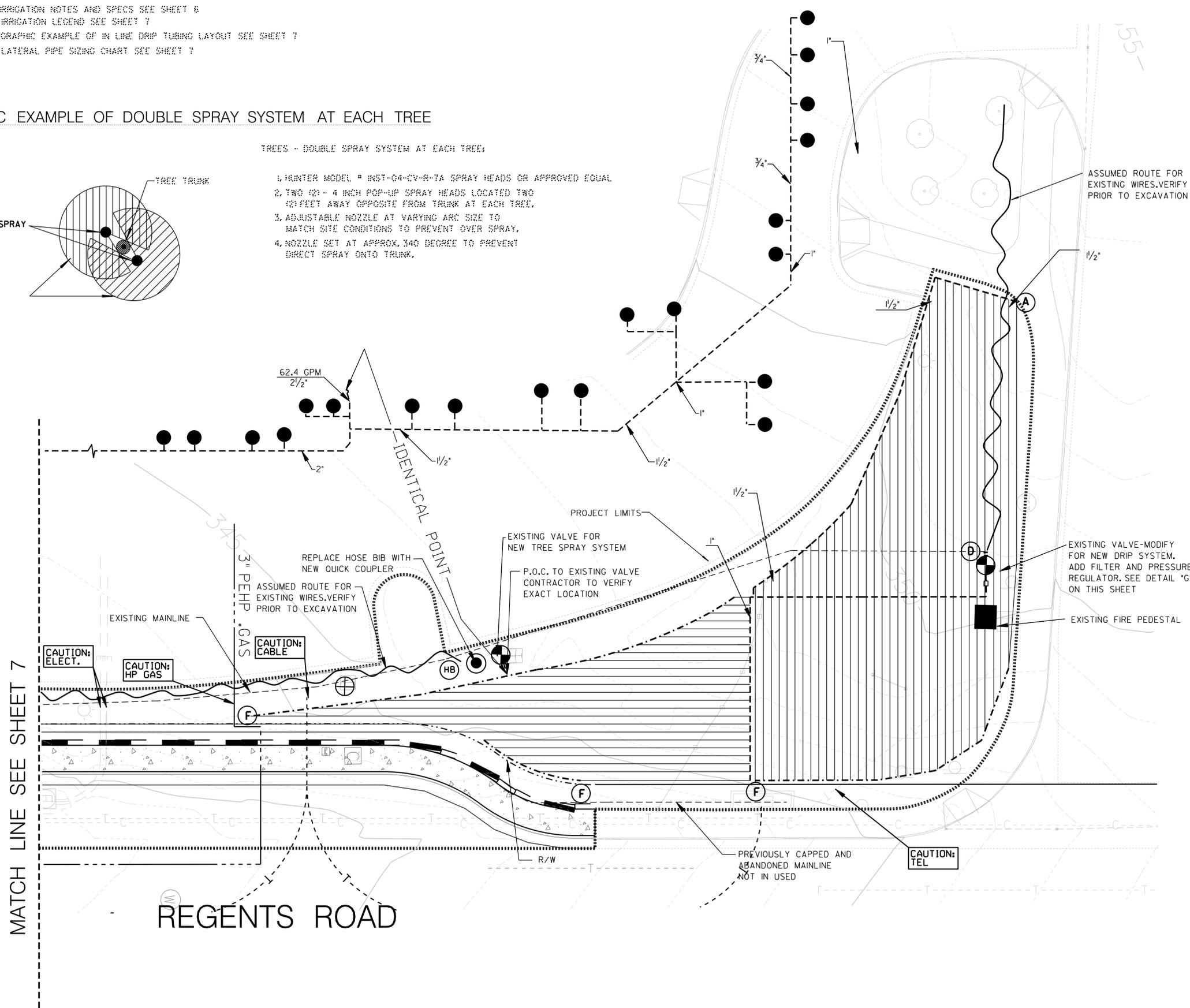
WARNING:
LOCATION OF GAS & UTILITY LINES ARE APPROXIMATE AND CONTRACTOR SHALL ESTABLISH EXACT LOCATION AND DEPTH PRIOR TO CONSTRUCTION.

GRAPHIC EXAMPLE OF DOUBLE SPRAY SYSTEM AT EACH TREE



TREES - DOUBLE SPRAY SYSTEM AT EACH TREE:

1. HUNTER MODEL # BSI-04-CV-R-7A SPRAY HEADS OR APPROVED EQUAL.
2. TWO (2) - 4 INCH POP-UP SPRAY HEADS LOCATED TWO (2) FEET AWAY OPPOSITE FROM TRUNK AT EACH TREE.
3. ADJUSTABLE NOZZLE AT VARYING ARC SIZE TO MATCH SITE CONDITIONS TO PREVENT OVER SPRAY.
4. NOZZLE SET AT APPROX. 140 DEGREE TO PREVENT DIRECT SPRAY ONTO TRUNK.



SPECIFICATION NO. 2035

**PLANS FOR THE CONSTRUCTION OF
REGENTS ROAD RIGHT TURN LANE
AT LA JOLLA VILLAGE DR.
IRRIGATION PLAN**

CITY OF SAN DIEGO, CALIFORNIA ENGINEERING AND CAPITAL PROJECTS DEPARTMENT SHEET 8 OF 12 SHEETS		WBS S-00867
APPROVED: <i>Brad Johnson</i> FOR CITY ENGINEER BRAD JOHNSON PRINT NAME	DATE 9/19/13	SUBMITTED BY DEAN MARSDEN ASSOCIATE ENGINEER
DESCRIPTION	BY	APPROVED
ORIGINAL	EJ/JS	
		DATE
		FILMED
		PROJECT ENGINEER
		JAYNA STRAUCHN
		256-1701
		CCS27 COORDINATE
		1898-6264
		CCS83 COORDINATE
CONTRACTOR	DATE STARTED	32874-08-D
INSPECTOR	DATE COMPLETED	

MATCH LINE SEE SHEET 7

I-3

REGENTS RD RIGHT TURN LANE AT LA JOLLA VILLAGE DR

CONDUCTOR		TABLE				
AWG SIZE OR CABLE TYPE	PHASE	POLE OR CIRCUIT	2.5"	3"	3"(N)	2-3"
CONDUCTORS 3 12	CONDUCTORS	POLE - A	1	1	1	1
		POLE - B	1	1	1	1
		POLE - C	1	1	1	1
		POLE - D	1	1	1	1
		POLE - E	1	1	1	1
		POLE - E'	2	2	1	1
		POLE - F	1	1	1	1
TOTAL CABLES 3 CONDUCT./ 12 CONDUCT.			2	2	4	2
NO. 6	SIGNAL SERVICE	-	-	2	2	
	GROUND	1	1	1	1	
10	LIGHTING	-	-	-	-	
6 PAIR NO.22 (SIC)	INTERCONNECT CABLE	-	-	-	-	
TYPE "B" DLC	1	LOOP DETECTOR	-	-	-	2
	2	"	4	4	-	4
	3	"	-	2	-	2
	4	"	-	-	6	6
	5	"	2	2	-	2
	6	"	-	-	-	4
	7	"	-	-	1	1
	8	"	-	-	1	1
EMERGENCY VEHICLE DETECTOR (EV-DLC)			1	1	-	1
TOTAL CONDUCTOR - CABLES			12	17	15	43

NOTE:
(N)=NEW
(E)=EXISTING

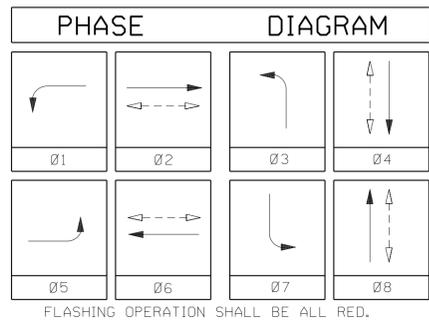
DETECTOR ASSIGNMENT

DET.	PHASE	SLOT	FIELD TERMINAL
1	2	I2U	T2-5 & 6
2	2	I2L	T2-7 & 8
3	2	I3U	T2-9 & 10
4	2	I3L	T2-11 & 12
5	5	J1U	T3-1 & 2
6	5	J1L	T3-3 & 4
7	4	I6U	T4-9 & 10
8	4	I6L	T4-11 & 12
9	4	I7U	T6-1 & 2
10	4	I7L	T6-3 & 4
11	4	I8U	T6-5 & 6
12	7	J5U	T5-5 & 6
13	6	J2U	T3-5 & 6
14	6	J2L	T3-7 & 8
15	6	J3U	T3-9 & 10
16	6	J3L	T3-11 & 12
17	1	I1U	T2-1 & 2
18	1	I1L	T2-3 & 4
19	8	J6U	T5-9 & 10
20	8	J6L	T5-11 & 12
21	8	J7U	T7-1 & 2
22	8	J7L	T7-3 & 4
23	3	I5U	T4-5 & 6
24	3	I5L	T4-7 & 8
PPB	2	I12U	T8-4 & COM 6
PPB	4	I12L	T8-5 & COM 6
PPB	6	I13U	T8-7 & COM 9
PPB	8	I13L	T8-8 & COM 9
EVA	2+5	J12U	T9-4 & COM 6
EVB	4+7	J13U	T9-7 & COM 9
EVC	1+6	J12L	T9-5 & COM 6
EVD	3+8	J13L	T9-8 & COM 9
FLASH	-	I14U	T8-10 & COM 12

CONSTRUCTION NOTES CONT'D:

- FURNISH AND INSTALL TYPE 15 STREET LIGHT AND FOUNDATION PER SDE-101 ANCHOR BASE FOUNDATION WITH 250W HPS INCLUDES GROUNDING, FIXTURE & COMPLETE INSTALLATION PER SDE-2.
- FURNISH AND INSTALL 2" CONDUIT WITH 3-#10 CONDUCTORS PER SDG-116.
- R/S SIC VAULT & INSTALL NO. 6 PULLBOX, 2" CONDUIT-6 PAIR NO.22 SIGNAL INTERCONNECT CABLE AS SHOWN ON DETAIL "A". (CAUTION!! CONTRACTOR TO EXPOSE EX. SIC CONDUIT & VAULT AT SAWCUT AREA BY HAND WITH STANDBY STREET DIV. PERSONNEL FOR THE INSTALLATION OF APPROX. 15' 2" C SIC TO NEW NO. 6 PULLBOX)

POLE		SCHEDULE								
No.	TYPE	STANDARD HGT.	SIG. M.A.	LUM. M.A.	LUMINAIRE CO-LPS	PLACEMENT A	PLACEMENT B	SIGNAL MOUNTING VEHICLE	PEDESTRIAN SIGNAL	REMARKS
(A)	26-4-70	30'	65'	15'	150W	EX.	EX.	MAS 2MAS SV-3-TB	SP-2-T 2P,4P	TO REMAIN
(B)	26-4-70	30'	55'	15'	150W	EX.	EX.	MAS MAS SV-1-T	SP-1-T 4P	TO REMAIN
(C)	1-A	10'	-	-	-	EX.	EX.	TV-2 -	SP-1-T 2P	TO REMAIN
(D)	26-4-70	30'	55'	15'	150W	EX.	EX.	MAS 2MAS SV-3-TB	SP-2-T 4P,6P	TO REMAIN
(E)	1-A	10'	-	-	-	EX.	EX.	TV-2 -	SP-1-T 6P	1
(E)	1-A	10'	-	-	-	2.5"	2.5"	TV-2 -	SP-2-T 4P,8P	2
(F)	26-3-70	30'	40'	15'	150W	EX.	EX.	MAS MAS SV-1-T	SP-1-T 8P	TO REMAIN
(G)	1-A	10'	-	-	-	EX.	EX.	TV-2 -	SP-1-T 6P	TO REMAIN

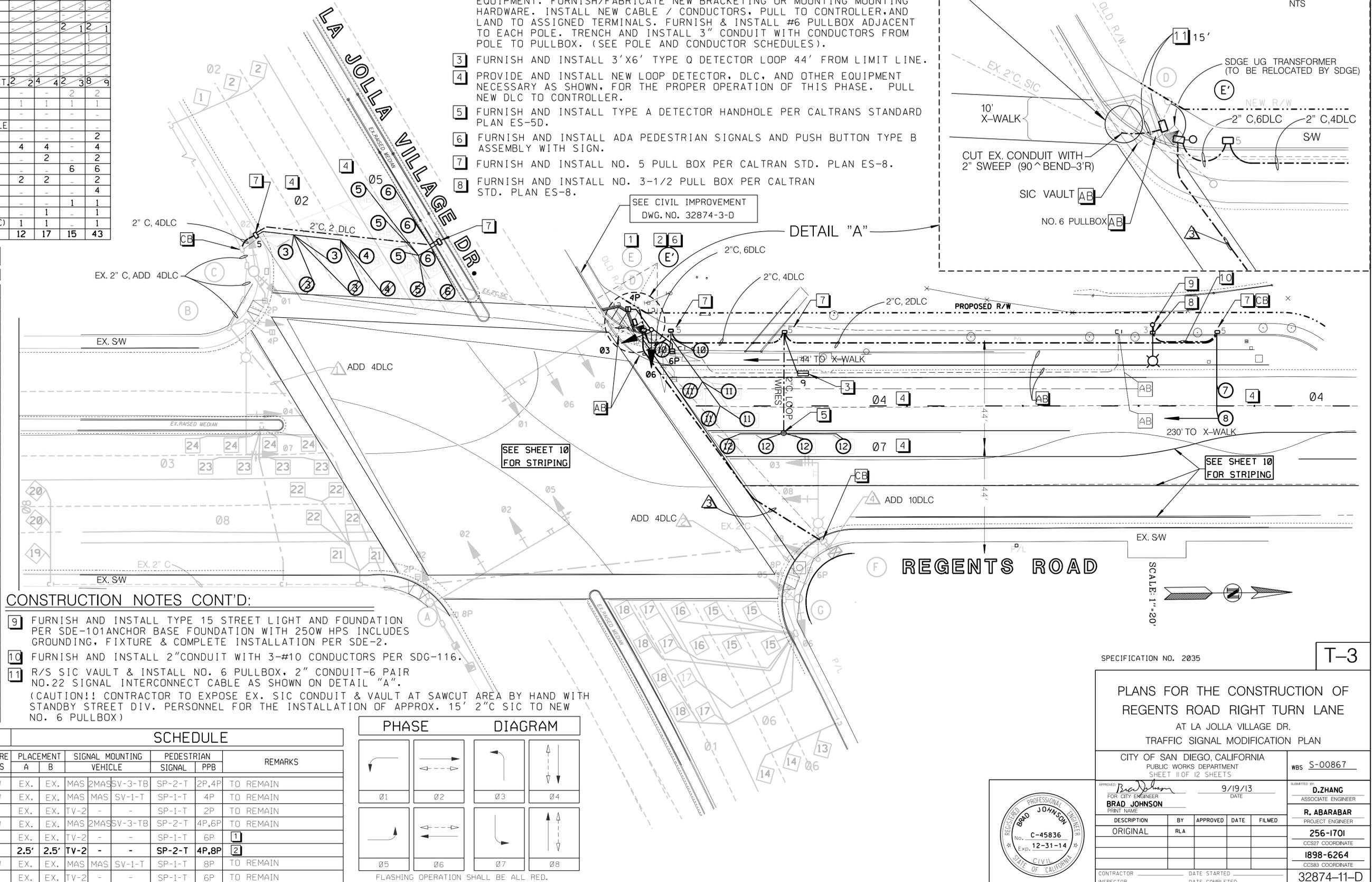


CONSTRUCTION NOTES:

- REMOVE AND SALVAGE EXISTING POLES AND ELECTRICAL EQUIPMENT, PER CITY STANDARD SPECIAL PROVISIONS SECTION 307-2. CUT DOWN FOUNDATION 18" BELOW GRADE AND REPAIR SURFACE TO MATCH EXISTING. TRENCH AND INSTALL 3" CONDUIT WITH CONDUCTORS TO NEW POLE. FURNISH AND INSTALL NO. 6 PULLBOX IF NECESSARY. (SEE POLE AND CONDUCTOR SCHEDULES).
- FURNISH AND INSTALL NEW POLES, MAST ARMS, SIGNAL HEADS, & OTHER EQUIPMENT. FURNISH/FABRICATE NEW BRACKETING OR MOUNTING HARDWARE. INSTALL NEW CABLE / CONDUCTORS, PULL TO CONTROLLER, AND LAND TO ASSIGNED TERMINALS. FURNISH & INSTALL #6 PULLBOX ADJACENT TO EACH POLE. TRENCH AND INSTALL 3" CONDUIT WITH CONDUCTORS FROM POLE TO PULLBOX. (SEE POLE AND CONDUCTOR SCHEDULES).
- FURNISH AND INSTALL 3'X6' TYPE O DETECTOR LOOP 44' FROM LIMIT LINE.
- PROVIDE AND INSTALL NEW LOOP DETECTOR, DLC, AND OTHER EQUIPMENT NECESSARY AS SHOWN, FOR THE PROPER OPERATION OF THIS PHASE. PULL NEW DLC TO CONTROLLER.
- FURNISH AND INSTALL TYPE A DETECTOR HANDHOLE PER CALTRANS STANDARD PLAN ES-5D.
- FURNISH AND INSTALL ADA PEDESTRIAN SIGNALS AND PUSH BUTTON TYPE B ASSEMBLY WITH SIGN.
- FURNISH AND INSTALL NO. 5 PULL BOX PER CALTRAN STD. PLAN ES-8.
- FURNISH AND INSTALL NO. 3-1/2 PULL BOX PER CALTRAN STD. PLAN ES-8.

GENERAL NOTES: SEE SHEET 9

LEGENDS: SEE SHEET 9



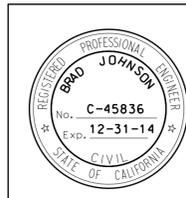
SPECIFICATION NO. 2035

T-3

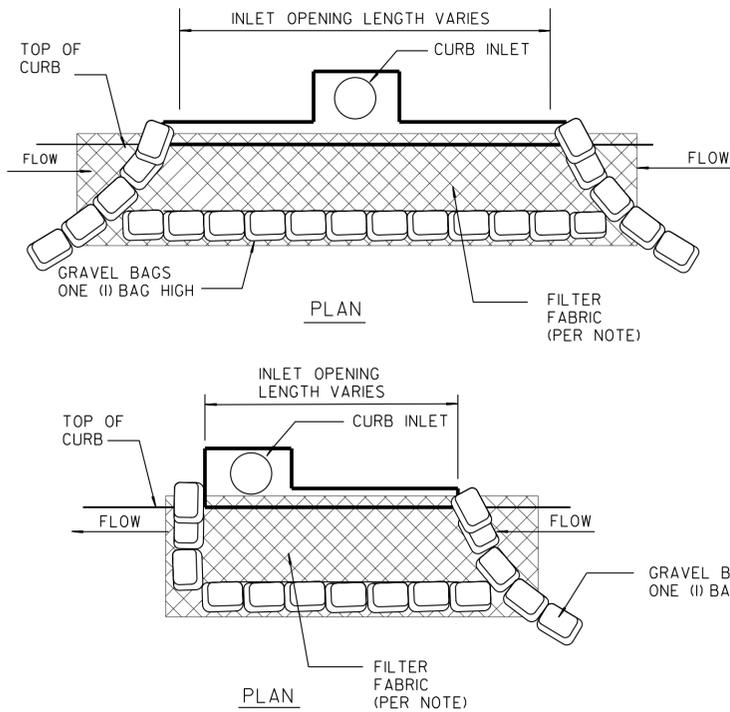
PLANS FOR THE CONSTRUCTION OF
REGENTS ROAD RIGHT TURN LANE
AT LA JOLLA VILLAGE DR.
TRAFFIC SIGNAL MODIFICATION PLAN

CITY OF SAN DIEGO, CALIFORNIA
PUBLIC WORKS DEPARTMENT
SHEET 11 OF 12 SHEETS

APPROVED: <i>Brad Johnson</i> FOR CITY ENGINEER BRAD JOHNSON PRINT NAME	9/19/13 DATE	SUBMITTED BY: D.ZHANG ASSOCIATE ENGINEER
DESCRIPTION	BY	APPROVED
ORIGINAL	RLA	DATE
		FILMED
PROJECT NUMBER 256-1701		PROJECT ENGINEER R. ABARABAR
COORDINATE 1898-6264		COORDINATE CCS83
CONTRACTOR		DATE STARTED
INSPECTOR		DATE COMPLETED
		32874-11-D

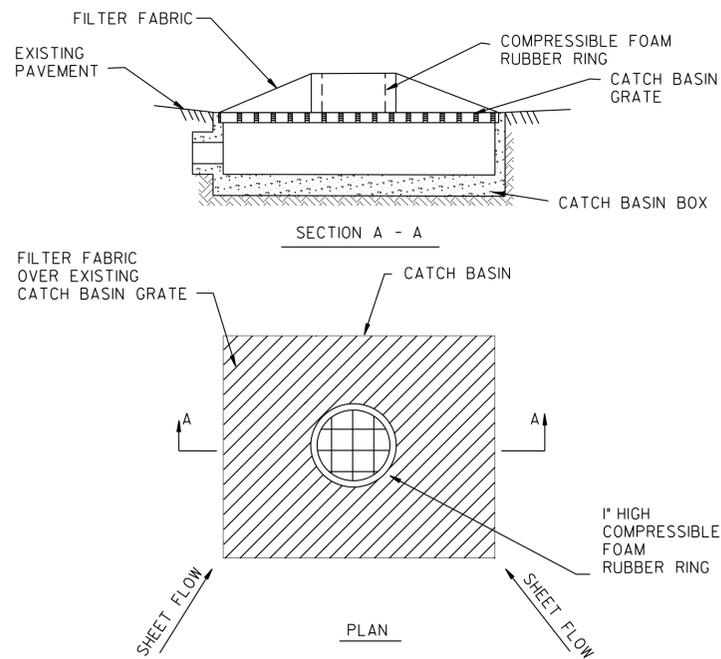


REGENTS RD RIGHT TURN LANE AT LA JOLLA VILLAGE DR

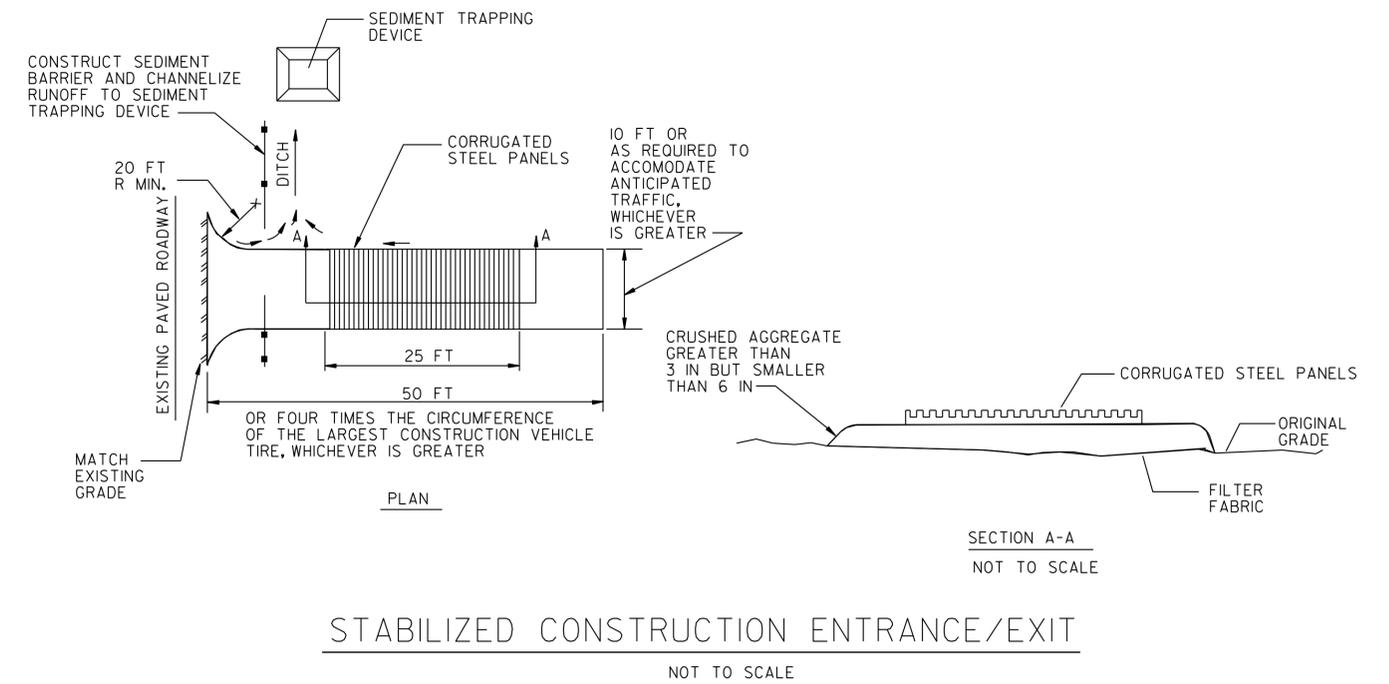


NOTE: FILTER FABRIC
 MATERIAL: POLYETHYLENE OR POLYPROPYLENE FABRIC
 FABRIC WEIGHT: MINIMUM 4 OZ./ SQUARE YARD
 MINIMUM WATER FLOW RATE: 125 GPM/SF (PER ASTM D4491)
 MINIMUM TENSILE STRENGTH: 120 LBS. (PER ASTM D4632)

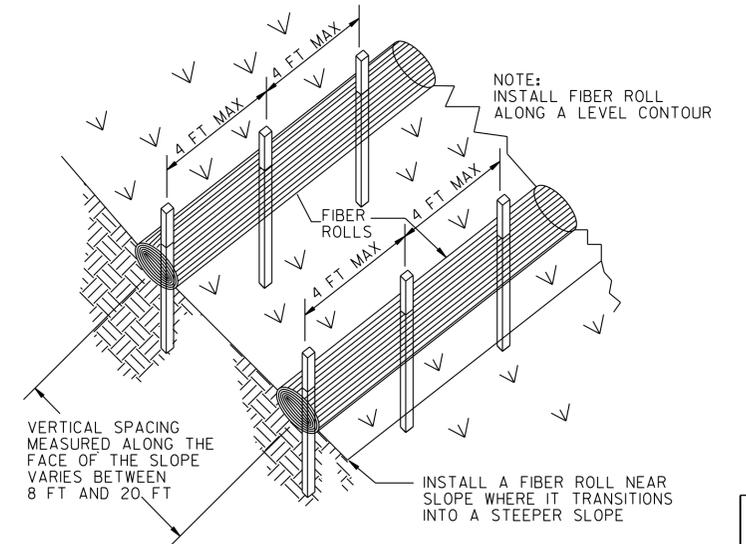
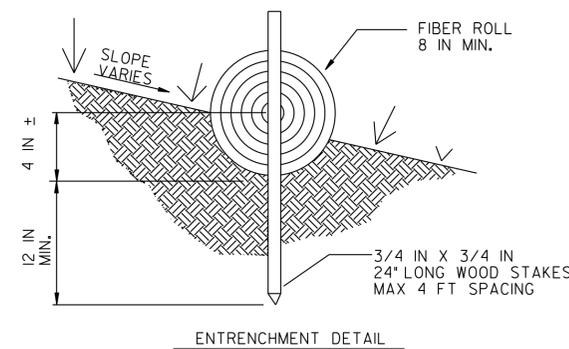
STORM DRAIN INLET PROTECTION
 NOT TO SCALE



CATCH BASIN INLET PROTECTION IN PAVED AREAS
 NOT TO SCALE



STABILIZED CONSTRUCTION ENTRANCE/EXIT
 NOT TO SCALE

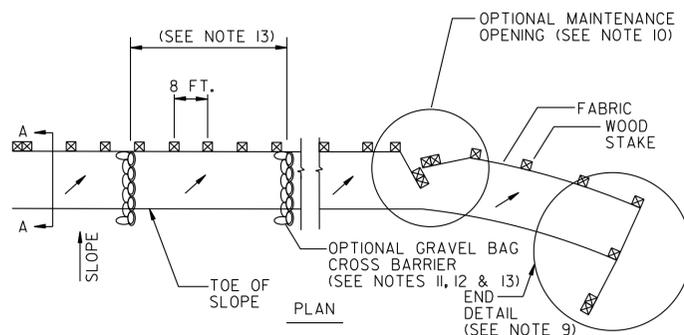
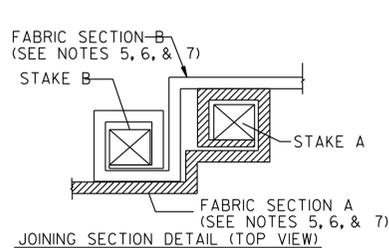
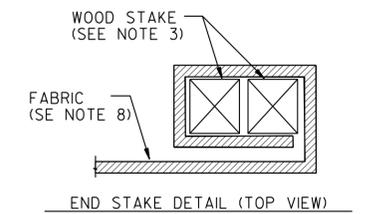
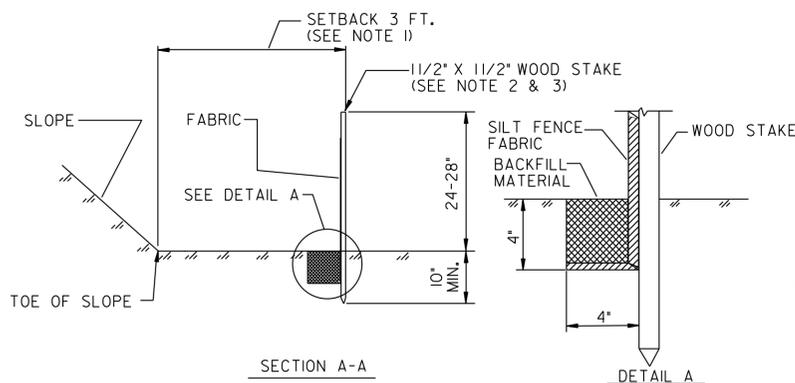


FIBER ROLL
 NOT TO SCALE

TYPICAL INSTALLATION

SILT FENCE NOTES:

1. SETBACK DISTANCE MAY VARY TO FIT FIELD CONDITION.
2. STAKES SHALL BE SPACED AT 8 FT MAXIMUM AND SHALL BE POSITIONED ON DOWNSTREAM SIDE OF FENCE.
3. STAKE DIMENSIONS ARE NOMINAL.
4. MINIMUM 4 STAPLES PER STAKE.
5. AT JOINING SECTION, STAKES TO OVERLAP AND FENCE FABRIC TO FOLD AROUND EACH STAKE ONE FULL TURN. SECURE FABRIC TO STAKE WITH 4 STAPLES.
6. STAKES SHALL BE DRIVEN TIGHTLY TOGETHER TO PREVENT POTENTIAL FLOW-THROUGH OF SEDIMENT AT JOINT. THE TOPS OF THE STAKES SHALL BE SECURED WITH WIRE.
7. JOINING SECTIONS SHALL NOT BE PLACED AT SUMP LOCATIONS.
8. FOR END STAKE, FENCE FABRIC SHALL BE FOLDED AROUND TWO STAKES ONE FULL TURN AND SECURED WITH 4 STAPLES.
9. THE LAST 8 FT OF FENCE SHALL BE TURNED UP SLOPE.
10. MAINTENANCE OPENINGS SHALL BE CONSTRUCTED IN A MANNER TO ENSURE SEDIMENT REMAINS BEHIND SILT FENCE.
11. CROSS BARRIERS SHALL BE A MINIMUM OF 1/3 AND A MAXIMUM OF 1/2 THE HEIGHT OF THE SILT FENCE.
12. GRAVEL BAG ROWS AND LAYERS SHALL BE OFFSET TO ELIMINATE GAPS.
13. CONSTRUCT THE LENGTH OF EACH REACH SO THAT THE CHANGE IN BASE ELEVATION ALONG THE REACH DOES NOT EXCEED 1/3 THE HEIGHT OF THE SILT FENCE, IN NO CASE SHALL THE REACH LENGTH EXCEED 500 FT.
14. SEE SPECIFICATIONS FOR MATERIAL REQUIREMENTS.



SILT FENCE
 NOT TO SCALE

G-2



SPECIFICATION NO. 2035

PLANS FOR THE CONSTRUCTION OF
 REGENTS ROAD RIGHT TURN LANE
 AT LA JOLLA VILLAGE DR.
 BEST MANAGEMENT PRACTICES (BMP)

CITY OF SAN DIEGO, CALIFORNIA ENGINEERING AND CAPITAL PROJECTS DEPARTMENT SHEET 12 OF 12 SHEETS		WBS S-00867
APPROVED: <i>Brad Johnson</i> FOR CITY ENGINEER BRAD JOHNSON PRINT NAME	9/19/13 DATE	SUBMITTED BY: DEAN MARSDEN ASSOCIATE ENGINEER
DESCRIPTION	BY	APPROVED
ORIGINAL	EJ/JS	
		DATE
		FILMED
PROJECT ENGINEER		256-1701
		CCS27 COORDINATE
		1898-6264
		CCS83 COORDINATE
CONTRACTOR	DATE STARTED	32874-12-D
INSPECTOR	DATE COMPLETED	

REGENTS RD RIGHT TURN LANE AT LA JOLLA VILLAGE DR

TRAFFIC CONTROL NOTES

- VALIDATION. THIS TRAFFIC CONTROL PLAN IS NOT VALID UNTIL WORK DATES ARE APPROVED. THE CONTRACTOR SHALL, PER SECTION 7-10.2.3 OF THE CITY SUPPLEMENT TO THE STANDARD SPECIFICATIONS FOR THE PUBLIC WORKS DEPARTMENT, CALL THE ENGINEERING TRAFFIC CONTROL SECTION AT (858) 495-4741 TO OBTAIN A PERMIT. THE CONTRACTOR MUST CALL A MINIMUM OF TWO (2) WORKING DAYS PRIOR TO STARTING WORK, OR FIVE (5) WORKING DAYS WHEN THE WORK WILL AFFECT A TRAFFIC SIGNAL.
- STANDARDS. THIS TRAFFIC CONTROL PLAN SHALL CONFORM TO THE MOST RECENTLY ADOPTED EDITION OF EACH OF THE FOLLOWING MANUALS:
 - CITY OF SAN DIEGO STANDARD DRAWINGS, APPENDIX 'A';
 - CALIFORNIA MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS; AND
 - STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION ('GREENBOOK'), INCLUDING REGIONAL AND CITY OF SAN DIEGO SUPPLEMENT AMENDMENTS.
- NOTIFICATION. THE CONTRACTOR SHALL NOTIFY THE FOLLOWING AFFECTED AGENCIES A MINIMUM OF FIVE (5) WORKING DAYS PRIOR TO EXCAVATION, CONSTRUCTION, OR TRAFFIC CONTROL:

FIRE DEPARTMENT DISPATCH	(STREET OR ALLEY CLOSURE)	(858) 573-1300
POLICE DEPARTMENT DISPATCH	(STREET OR ALLEY CLOSURE)	(858) 495-7800
WASTE MANAGEMENT DEPT.	(REFUSE COLLECTION)	(858) 694-7000
STREET DIVISION/ELECTRICAL	(TRAFFIC SIGNALS)	(619) 527-7500
STREET DIVISION/ELECTRICAL	(BUS STOPS)	(619) 595-7038
STREET DIVISION/ELECTRICAL	(TAXI ZONES)	(619) 235-2643
UNDERGROUND SERVICE ALERT	(ANY EXCAVATION)	(800) 422-4133

THE CONTRACTOR SHALL NOTIFY PROPERTY OWNERS AND TENANTS A MINIMUM OF FIVE (5) WORKING DAYS PRIOR TO CLOSURE OF DRIVEWAYS. THE CONTRACTOR SHALL POST SIGNS NOTIFYING THE PUBLIC A MINIMUM OF FIVE (5) WORKING DAYS PRIOR TO CLOSURE OF STREETS.

- POSTING NO PARKING SIGNS. THE CONTRACTOR SHALL POST 'TOW-AWAY/NO PARKING' SIGNS TWENTY-FOUR (24) HOURS IN ADVANCE FOR TEMPORARY PARKING REMOVAL. SIGNS SHALL INDICATE SPECIFIC DAYS, DATES, AND TIMES OF RESTRICTIONS.
- EXCAVATIONS. EXCEPT AS SHOWN ON THE PLANS, TRENCHES SHALL BE BACKFILLED OR TRENCH-PLATED AT THE END OF EACH WORK DAY. AN ASPHALT RAMP SHALL BE PLACED AROUND EACH TRENCH PLATE TO PREVENT THE PLATE FROM BEING DISLODGED. UPON COMPLETION OF EXCAVATION BACKFILL, THE CONTRACTOR SHALL PROVIDE A SATISFACTORY SURFACE FOR TRAFFIC. WHEN CONSTRUCTION OPERATIONS ARE NOT ACTIVELY IN PROGRESS, THE CONTRACTOR SHALL MAINTAIN ALL TRAVEL LANES OPEN TO TRAFFIC, EXCEPT AS SHOWN ON THE PLANS.
- RESTORATION OF TRAFFIC CONTROL DEVICES. THE CONTRACTOR SHALL REPAIR OR REPLACE TRAFFIC CONTROL DEVICES (INCLUDING TRAFFIC SIGNS, STRIPING, PAVEMENT MARKERS, PAVEMENT MARKINGS, LEGENDS, CURB MARKINGS, LOOP DETECTORS, TRAFFIC SIGNAL EQUIPMENT, ETC.) DAMAGED OR REMOVED AS A RESULT OF OPERATIONS AND NOT DESIGNATED FOR REMOVAL. REPAIRS AND REPLACEMENTS SHALL BE EQUAL TO EXISTING IMPROVEMENTS. LOOP DETECTORS SHALL BE REPLACED WITHIN THREE (3) WORKING DAYS OF COMPLETION OF UNDERGROUND WORK.
- CHANGES IN WORK. THE RESIDENT ENGINEER WILL OBSERVE THESE TRAFFIC CONTROL PLANS IN OPERATION AND RESERVES THE RIGHT TO MAKE CHANGES AS FIELD CONDITIONS WARRANT, SUCH CHANGES SHALL SUPERSEDE THESE PLANS.
- FOR WORK NOT COVERED BY THESE TRAFFIC CONTROL PLANS, THE CONTRACTOR SHALL, PER SECTION 7-10.2.2.4 OF THE CITY SUPPLEMENT TO THE STANDARD SPECIFICATIONS FOR THE PUBLIC WORKS DEPARTMENT, PREPARE TRAFFIC CONTROL WORKING DRAWINGS AND SUBMIT THEM TO THE RESIDENT ENGINEER. THE CONTRACTOR SHALL ALLOW A MINIMUM OF TWENTY (20) WORKING DAYS FOR REVIEW OF THE WORKING DRAWINGS. UPON APPROVAL OF THE TRAFFIC CONTROL PLAN, THE ENGINEERING TRAFFIC CONTROL SECTION WILL ISSUE A TRAFFIC CONTROL PLAN (TCP) PERMIT FOR THIS WORK.

LEGEND

- DELINEATOR
- ⊥ CONSTRUCTION SIGN
- ⊠ SIGNALIZED INTERSECTION
- ⊞ FLASHING ARROW BOARD

TYPICAL WORK ZONE

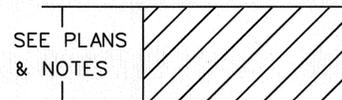


TABLE 1

RECOMMENDED SIGN SPACING FOR ADVANCE WARNING SIGN SERIES

APPROACH SPEED (MPH)	MINIMUM DISTANCE IN FEET BETWEEN SIGNS AND FROM LAST SIGN TO TAPER	MAXIMUM DEVICE SPACING IN FEET	MINIMUM TAPER LENGTHS FOR LANE WIDTHS		
			10 FT	11 FT	12 FT
25	150-200	25	105	115	125
30	200-300	30	150	165	180
35	250-400	35	205	225	245
40	350-500	40	265	295	320
45	500-750	45	450	495	540
50	500-1000	50	500	550	600
55+	500-1500	50	550	605	660

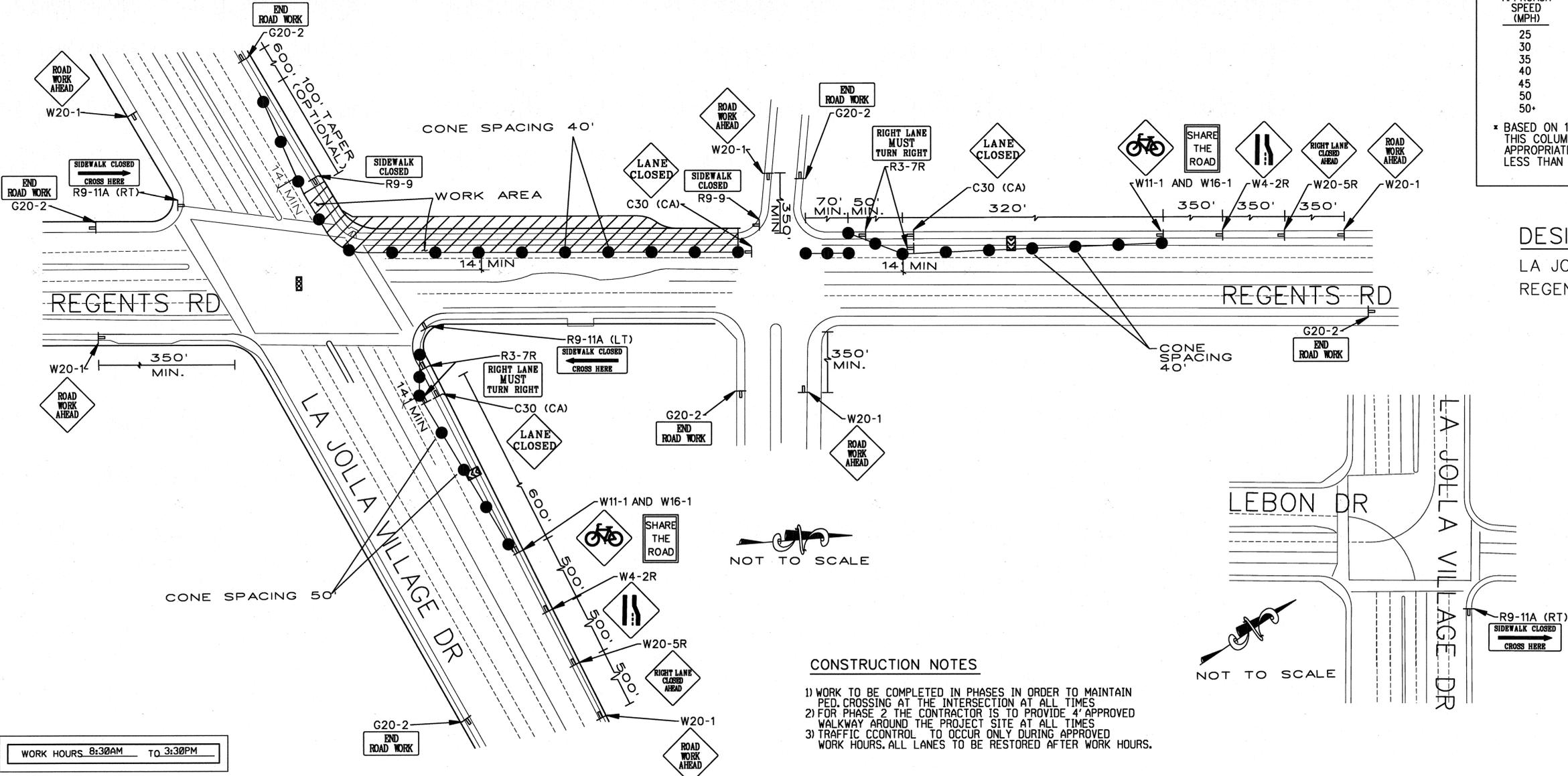
L=WS/60 FOR SPEED OF 40 MPH OR LESS; L=WS FOR SPEED GREATER THAN 40 MPH. TAPER LENGTHS SHOWN ARE ROUNDED TO NEAREST 5 FEET.

TABLE 2

RECOMMENDED TAPER LENGTH AND DEVICE SPACING FOR CHANNELIZING TAPERS

APPROACH SPEED (MPH)	TAPER LENGTH (L) *	SPACING OF CONES ALONG TAPER (FEET) →	NOTE:
25	125	25	L = S x W for speeds greater than 40 mph
30	180	30	
35	245	35	L = $\frac{W \times S^2}{60}$ for speeds of 40 mph or less
40	320	40	
45	540	45	
50	600	50	Where: L = minimum length of taper S = numerical value of APPROACH speed prior to work (mph) W = width of offset (feet)
50+	1000	50	

* BASED ON 12-FOOT WIDE LANE. THIS COLUMN IS ALSO APPROPRIATE FOR LANE WIDTHS LESS THAN 12 FEET



CONSTRUCTION NOTES

- WORK TO BE COMPLETED IN PHASES IN ORDER TO MAINTAIN PED. CROSSING AT THE INTERSECTION AT ALL TIMES.
- FOR PHASE 2 THE CONTRACTOR IS TO PROVIDE 4' APPROVED WALKWAY AROUND THE PROJECT SITE AT ALL TIMES.
- TRAFFIC CONTROL TO OCCUR ONLY DURING APPROVED WORK HOURS. ALL LANES TO BE RESTORED AFTER WORK HOURS.

DESIGN SPEED

LA JOLLA VILLAGE DR 49 MPH
REGENTS RD 40 MPH

TC-1



SPECIFICATION NO. 2035
CITY CONTRACT, CIP No. 11-989.1

PLANS FOR THE CONSTRUCTION OF REGENTS ROAD RIGHT TURN LANE AT LA JOLLA VILLAGE DR. TRAFFIC CONTROL

CITY OF SAN DIEGO, CALIFORNIA		ENGINEERING AND CAPITAL PROJECTS DEPARTMENT		SHEET TC1 OF TC1 SHEETS		WBS S-00867	
FOR CITY ENGINEER		DATE		APPROVED BY		PROJECT ENGINEER	
AHMED ABURAHMAH		09/13/2013		DEAN MARSDEN		JAYNA STRAUGHN	
DESCRIPTION	BY	APPROVED	DATE	FILMED	PROJECT NO.		
ORIGINAL	EJJS				256-1701		
					CC87 COORDINATE		
					1898-6264		
					CC88 COORDINATE		
CONTRACTOR	DATE STARTED	DATE COMPLETED		32874-TC1-D			
INSPECTOR							

WORK HOURS: 8:30AM TO 3:30PM

REGENTS RD RIGHT TURN LANE AT LA JOLLA VILLAGE DR