

# City of San Diego

CONTRACTOR'S NAME: \_\_\_\_\_  
ADDRESS: \_\_\_\_\_  
TELEPHONE NO.: \_\_\_\_\_ FAX NO.: \_\_\_\_\_  
CITY CONTACT: Damian Singleton - Contract Specialist, Email: [dsingleton@sandiego.gov](mailto:dsingleton@sandiego.gov)  
Ph No. (619) 533-3482 - Fax No. (619) 533-3633  
L SCHAAR / A REYES / LS



## CONTRACT DOCUMENTS

## FOR

## WATER GROUP JOB 945

VOLUME 1 OF 2

BID NO.:	<u>K-13-5836-DBB-3</u>
SAP NO. (WBS/IO/CC):	<u>B-11041</u>
CLIENT DEPARTMENT:	<u>2013</u>
COUNCIL DISTRICT:	<u>2</u>
PROJECT TYPE:	<u>KB</u>

**THIS CONTRACT IS SUBJECT TO THE FOLLOWING:**

- THE CITY'S SUBCONTRACTING PARTICIPATION REQUIREMENTS FOR SLBE PROGRAM.

**BID DUE DATE:**

**2:00 PM  
JUNE 20, 2013  
CITY OF SAN DIEGO  
PUBLIC WORKS DEPARTMENT  
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

5/1/13

\_\_\_\_\_  
Date

Seal:



## TABLE OF CONTENTS

1. NOTICE INVITING BIDS.....	4-17
2. CONTRACT FORMS AGREEMENT.....	18-20
3. CONTRACT/AGREEMENTS ATTACHMENTS .....	21
1. Performance Bond and Labor and Materialmen’s Bond.....	22-23
2. Drug-Free Workplace Certificate.....	24
3. American with Disabilities Act (ADA) Compliance Certificate .....	25
4. Contractor Standards - Pledge of Compliance Certificate .....	26
5. Affidavit of Disposal Certificate.....	27
4. SUPPLEMENTARY SPECIAL PROVISIONS .....	28-39
5. SUPPLEMENTARY SPECIAL PROVISIONS – APPENDICES .....	40
A. Addendum to Mitigated Negative Declaration .....	42-145
B. Fire Hydrant Meter Program.....	146-160
C. Materials Typically Accepted by Certificate of Compliance .....	161-162
D. Sample City Invoice .....	163-164
E. Adjacent Projects .....	165-168
F. Hydrostatic Discharge Form.....	169-170
G. High-lining Figures.....	171-172
H. Water Standard Drawings.....	173-178

# CITY OF SAN DIEGO, CALIFORNIA

## NOTICE INVITING BIDS

1. **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 **Water Group Job 945** (Project).
2. **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:

The replacement of existing cast iron water mains, with approximately 5,764 linear feet of 16 inch PVC water mains.

2.1. The Work shall be performed in accordance with:

2.1.1. This Notice Inviting Bids and Plans numbered **36951-01-D** through **36951-16-D** and Traffic Control Plans **36951-T01-D** through **36951-T-17-D**, inclusive.

3. **EQUAL OPPORTUNITY.**

3.1. 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.

#### **4. SUBCONTRACTING PARTICIPATION PERCENTAGES.**

**4.1.** The City has incorporated **mandatory** SLBE-ELBE subcontractor participation percentages to enhance competition and maximize subcontracting opportunities. For the purpose of achieving the mandatory subcontractor participation percentages, a recommended breakdown of the SLBE and ELBE subcontractor participation percentages based upon certified SLBE and ELBE firms has also been provided to achieve the mandatory subcontractor participation percentages:

1. SLBE participation	<b>6.8%</b>
2. ELBE participation	<b>15.5%</b>
3. Total mandatory participation	<b>22.3%</b>

**4.2.** The Bidders are strongly encouraged to attend the Pre-bid Meeting to better understand the Good Faith Effort requirements of this contract. See the City's document titled "SLBE Program, Instructions For Bidders Completing The Good Faith Effort Submittal" available at: <http://www.sandiego.gov/eoc/>

**4.3.** The Bid will be declared non-responsive if the Bidder fails the following mandatory conditions:

**4.3.1.** Bidder's inclusion of SLBE-ELBE certified subcontractors at the overall mandatory participation percentage identified in this document; OR.

**4.3.2.** Bidder's submission of Good Faith Effort documentation demonstrating the Bidder made a good faith effort to outreach to and include SLBE-ELBE Subcontractors required in this document within 3 Working Day of the Bid opening if the overall mandatory participation percentage is not met.

**5. PRE-BID MEETING:**

- 5.1.** There will be a Pre-bid Meeting to discuss the scope of the Project, bidding requirements, 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 A.M., on MAY 29<sup>th</sup>, 2013.**
- 5.2.** All potential bidders are **encouraged** to attend.
- 5.3.** 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.

**6. CONTRACTOR REGISTRATION AND ELECTRONIC REPORTING SYSTEM:**

- 6.1.** **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>.

- 6.2.** 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.

- 7. CONSTRUCTION COST:** The City’s estimated construction cost for this contract is **\$1,613,000.00.**

- 8. LOCATION OF WORK:** The location of the Work is as follows:

The limits of this project include 5<sup>th</sup> Avenue from Juniper Street to Upas Street, and Laurel Street from Front Street to Balboa Drive.

- 9. CONTRACT TIME:** The Contract Time for completion of the Work shall be **192 Working Days.**

- 10. 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.

- 10.1.** The City has determined the following licensing classifications for this contract:

<b>Option</b>	<b>Classifications</b>
1	CLASS A
2	CLASS C34

- 10.2.** The Bidder shall satisfy the licensing requirement by meeting **at least** one of the listed options.
- 11. 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.
- 12. WAGE RATES:** Prevailing wages are not applicable to this contract.
- 13. INSURANCE REQUIREMENTS:**
- 13.1.** 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.
- 13.2.** 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.
- 14. PREQUALIFICATION OF CONTRACTORS:**
- 14.1.** Contractors submitting Bid or Proposal must be pre-qualified for the total amount proposed, inclusive of all alternate items or specified Task Order limits 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 or a Task Order authorization. Complete information and prequalification questionnaires are available at:
- <http://www.sandiego.gov/cip/bidopps/prequalification.shtml>
- 14.2.** 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 Department - Engineering & Capital Project, Prequalification Program, 1010 Second Avenue, Suite 1200, 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](mailto:dstucky@sandiego.gov).
- 15. 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

Title	Edition	Document Number
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: <a href="http://www.sandiego.gov/publicworks/edocref/index.shtml">http://www.sandiego.gov/publicworks/edocref/index.shtml</a>		

- 16. 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.
- 17. 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.
- 18. 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.
- 19. SUBMITTAL OF "OR EQUAL" ITEMS:** See Section 4-1.6, "Trade Names or Equals" in The WHITEBOOK and as amended in the SSP.
- 20. AWARD PROCESS:**
- 20.1.** The Award of this contract is contingent upon the Contractor's compliance with all conditions precedent to Award.
  - 20.2.** 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.
  - 20.3.** This contract will be deemed executed, and effective, only upon the signing of the Contract by the Mayor or designee of the City.

- 21. 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.
- 22. 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.
- 23. QUESTIONS:**
- 23.1.** 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.
- 23.2.** Questions received less than 14 days prior to the date for opening of Bids may not be answered.
- 23.3.** 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.
- 23.4.** 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.
- 24. 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.
- 25. 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.
- 26. 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.

- 26.1. 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.
- 26.2. The City may require any Bidder to furnish a statement of experience, financial responsibility, technical ability, equipment, and references.
- 26.3. 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.
- 26.4. Bids may be withdrawn by the Bidder prior to, but not after, the time fixed for opening of Bids.

**27. BIDDERS' GUARANTEE OF GOOD FAITH (BID SECURITY):**

- 27.1. 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.
- 27.2. 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.
- 27.3. A Bid received without the specified bid security will be rejected as being **non-responsive**.

**28. AWARD OF CONTRACT OR REJECTION OF BIDS:**

- 28.1. This contract may be awarded to the lowest responsible and reliable Bidder.
- 28.2. 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.
- 28.3. 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.

- 28.4. 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.
- 28.5. 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."
- 28.6. 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.
- 28.7. 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.
- 28.8. 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.

**29. BID RESULTS:**

- 29.1. 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.
- 29.2. 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.

**30. THE CONTRACT:**

- 30.1. 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.
- 30.2. 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.

- 30.3.** 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.
- 30.4.** 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.
- 30.5.** 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.
- 31. 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.
- 32. CITY STANDARD PROVISIONS.** This contract is subject to the following standard provisions. See The WHITEBOOK for details.

  - 32.1.** The City of San Diego Resolution No. R-277952 adopted on May 20, 1991 for a Drug-Free Workplace.
  - 32.2.** The City of San Diego Resolution No. R-282153 adopted on June 14, 1993 related to the Americans with Disabilities Act.
  - 32.3.** The City of San Diego Municipal Code §22.3004 for Pledge of Compliance.
  - 32.4.** The City of San Diego's Labor Compliance Program and the State of California Labor Code §§1771.5(b) and 1776.
  - 32.5.** 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.

**32.6.** The City’s Equal Benefits Ordinance (EBO), Chapter 2, Article 2, Division 43 of The San Diego Municipal Code (SDMC).

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

**33. PRE-AWARD ACTIVITIES:**

**33.1.** 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**.

**33.2.** 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.

**34. ADDITIVE/DEDUCTIVE ALTERNATES:**

**34.1.** The additive/deductive alternates have been established to allow the City to compare the cost of specific portions of the Work with the Project’s budget and enable the City to make decision prior to award. The award will be established as described in the Bid. The City reserves the right to award the Contract for the Base Bid only or the Base Bid plus any combination of Additive and Deductive Alternate(s).

**34.2.** For water pipeline projects, the Plans typically show all cut and plug and connection work to be performed by City Forces. However, Bidders shall refer to Bidding Documents to see if all or part of this work will be performed by the Contractor.

**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.

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

<b>ITEM</b>	<b>WHEN DUE</b>	<b>FROM</b>	<b>DOCUMENT TO BE SUBMITTED</b>
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.	BID SUBMITTAL DATE/TIME	ALL BIDDERS	Form AA45 - Subcontractors Additive/Deductive Alternate
9.	WITHIN 3 WORKING DAY OF BID OPENING WITH GOOD FAITH EFFORT DOCUMENTATION	ALL BIDDERS	SLBE Good Faith Efforts Documentation
10.	WITHIN 3 WORKING DAY OF BID OPENING WITH GOOD FAITH EFFORT DOCUMENTATION	ALL BIDDERS	Form AA60 – List of Work Made Available
11.	WITHIN 3 WORKING DAY OF BID OPENING WITH GOOD FAITH EFFORT DOCUMENTATION	ALL BIDDERS	Proof of Valid DBE-MBE-WBE-DVBE Certification Status e.g., Certs.
12.	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
13.	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"> <li>• Joint Venture Agreement</li> <li>• Joint Venture License</li> </ul>
14.	WITHIN 10 WORKING DAYS AFTER RECEIPT BY BIDDER OF CONTRACT FORMS	APPARENT LOW BIDDER	Form BB05 - Work Force Report
15.	WITHIN 10 WORKING DAYS AFTER RECEIPT BY BIDDER OF CONTRACT FORMS	APPARENT LOW BIDDER	Contract Forms - Agreement
16.	WITHIN 10 WORKING DAYS AFTER RECEIPT BY BIDDER OF CONTRACT FORMS	APPARENT LOW BIDDER	Contract Forms - Payment and Performance Bond
17.	WITHIN 10 WORKING DAYS AFTER RECEIPT BY BIDDER OF CONTRACT FORMS	APPARENT LOW BIDDER	Certificates of Insurance and Endorsements
18.	WITHIN 10 WORKING DAYS AFTER RECEIPT BY BIDDER OF CONTRACT FORMS	APPARENT LOW BIDDER	Contractor Certification - Drug-Free Workplace
19.	WITHIN 10 WORKING DAYS AFTER RECEIPT BY BIDDER OF CONTRACT FORMS	APPARENT LOW BIDDER	Contractor Certification - American with Disabilities Act

<b>ITEM</b>	<b>WHEN DUE</b>	<b>FROM</b>	<b>DOCUMENT TO BE SUBMITTED</b>
20.	WITHIN 10 WORKING DAYS AFTER RECEIPT BY BIDDER OF CONTRACT FORMS	APPARENT LOW BIDDER	Contractors Standards - Pledge of Compliance

**CONTRACT FORMS**  
**AGREEMENT**

## 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 BURTECH PIPELINE, INC., herein called "Contractor" for construction of Water Group Job 945; Bid No. K-13-5836-DBB-3, in the amount of ONE MILLION SEVEN HUNDRED EIGHTY THOUSAND DOLLARS AND 00/100 (\$1,780,000.00), which is comprised of the Base Bid plus Alternates A, B and C.

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 Water Group Job 945, on file in the office of the Public Works Department as Document No. B-11041, 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 Water Group Job 945; Bid No. K-13-5836-DBB-3, 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 authorizing such execution.

THE CITY OF SAN DIEGO

APPROVED AS TO FORM AND LEGALITY

Jan I. Goldsmith, City Attorney

By *Tony Heinrichs*

By *Pedro De Lara, Jr.*

Print Name: \_\_\_\_\_  
Mayor or designee

Print Name: *Pedro De Lara, Jr.*  
Deputy City Attorney

Date: *10/3/13*

Date: *10/8/13*

CONTRACTOR

By *[Signature]*

Print Name: BURTECH PIPELINE INC.  
DOMINIC J. BURTECH

Title: PRESIDENT & CEO

Date: *8/28/2013*

City of San Diego License No.: B1996002066

State Contractor's License No.: 718202

**CONTRACT/AGREEMENT  
ATTACHMENTS**

EXECUTED IN TRIPLICATE  
BOND NO. 2169257  
PREMIUM: \$13,960.00

Premium Is For Contract Term  
And Is Subject To Adjustment  
Based On Final Contract Price

**CONTRACT ATTACHMENT**  
**PERFORMANCE BOND AND LABOR AND MATERIALMEN'S BOND**

---

**FAITHFUL PERFORMANCE BOND AND LABOR AND MATERIALMEN'S BOND:**

BURTECH PIPELINE, XXX INCORPORATED, a corporation, as principal, and NORTH AMERICAN SPECIALTY 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 ONE MILLION SEVEN HUNDRED EIGHTY THOUSAND DOLLARS AND 00/100 (\$1,780,000.00) for the faithful performance of the annexed contract, and in the sum of ONE MILLION SEVEN HUNDRED EIGHTY THOUSAND DOLLARS AND 00/100 (\$1,780,000.00) for the benefit of laborers and materialmen designated below.

**Conditions:**

If the Principal shall faithfully perform the annexed contract Water Group Job 945; Bid No. K-13-5836-DBB-3, 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 I 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 MATERIAL MEN'S BOND**

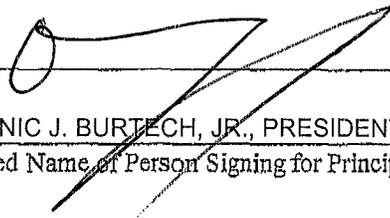
---

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

Dated AUGUST 23, 2013

Approved as to Form and Legality

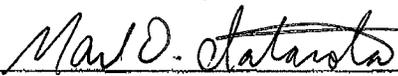
BURTECH PIPELINE, INCORPORATED  
Principal

By   
DOMINIC J. BURTECH, JR., PRESIDENT  
Printed Name of Person Signing for Principal

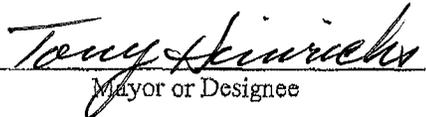
Jan I. Goldsmith, City Attorney

By   
Deputy City Attorney

NORTH AMERICAN  
SPECIALTY INSURANCE COMPANY  
Surety

By   
MARK D. IATAROLA, Attorney-in-fact

Approved:

By   
Mayor or Designee

6 HUTTON CENTRE DRIVE, SUITE 850  
Local Address of Surety

SANTA ANA, CA 92707  
Local Address (City, State) of Surety

714/550-7799  
Local Telephone No. of Surety

**Premium Is For Contract Term  
And Is Subject To Adjustment  
Based On Final Contract Price**

Premium \$ 13,960.00

Bond No. 2169257

**CALIFORNIA ALL-PURPOSE ACKNOWLEDGMENT**

State of California

County of San Diego

On 8/28/13

Date

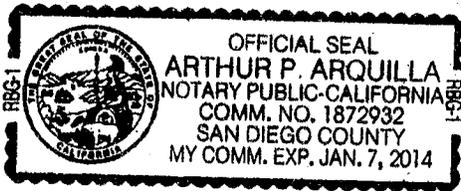
before me,

**Arthur P. Arquilla, Notary Public**

Here Insert Name and Title of the Officer

personally appeared Dominic Butech

Name(s) of Signer(s)



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

*Arthur P. Arquilla*

Signature of Notary Public

Place Notary Seal Above

**OPTIONAL**

*Though the information below is not required by law, it may prove valuable to persons relying on the document and could prevent fraudulent removal and reattachment of this form to another document.*

**Description of Attached Document**

Title or Type of Document: \_\_\_\_\_

Document Date: \_\_\_\_\_ Number of Pages: \_\_\_\_\_

Signer(s) Other Than Named Above: \_\_\_\_\_

**Capacity(ies) Claimed by Signer(s)**

Signer's Name: \_\_\_\_\_

- Individual
- Corporate Officer — Title(s): \_\_\_\_\_
- Partner —  Limited  General
- Attorney in Fact
- Trustee
- Guardian or Conservator
- Other: \_\_\_\_\_

Signer Is Representing: \_\_\_\_\_

**RIGHT THUMBPRINT OF SIGNER**  
Top of thumb here

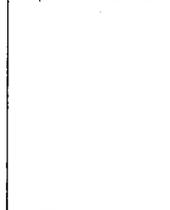


Signer's Name: \_\_\_\_\_

- Individual
- Corporate Officer — Title(s): \_\_\_\_\_
- Partner —  Limited  General
- Attorney in Fact
- Trustee
- Guardian or Conservator
- Other: \_\_\_\_\_

Signer Is Representing: \_\_\_\_\_

**RIGHT THUMBPRINT OF SIGNER**  
Top of thumb here



# CALIFORNIA ALL-PURPOSE ACKNOWLEDGMENT

STATE OF CALIFORNIA

County of SAN DIEGO }

On 8/23/2013 before me, MICHELLE M. BASUIL, NOTARY PUBLIC,  
Date Here Insert Name and Title of the Officer

personally appeared MARK D. IATAROLA  
Name(s) of Signer(s)

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 Michelle M. Basuil  
Signature of Notary Public



Place Notary Seal Above

## OPTIONAL

*Though the information below is not required by law, it may prove valuable to persons relying on the document and could prevent fraudulent removal and reattachment of this form to another document.*

### Description of Attached Document

Title or Type of Document: PERFORMANCE BOND AND LABOR AND MATERIALMEN'S BOND

Document Date: 8/23/2013 Number of Pages: 2

Signer(s) Other Than Named Above: \_\_\_\_\_

### Capacity(ies) Claimed by Signer(s)

Signer's Name: MARK D. IATAROLA

- Individual
- Corporate Officer — Title(s): \_\_\_\_\_
- Partner —  Limited  General
- Attorney in Fact
- Trustee
- Guardian or Conservator
- Other: \_\_\_\_\_

**RIGHT THUMBPRINT OF SIGNER**

Top of thumb here

Signer Is Representing: \_\_\_\_\_

Signer's Name: \_\_\_\_\_

- Individual
- Corporate Officer — Title(s): \_\_\_\_\_
- Partner —  Limited  General
- Attorney in Fact
- Trustee
- Guardian or Conservator
- Other: \_\_\_\_\_

**RIGHT THUMBPRINT OF SIGNER**

Top of thumb here

Signer Is Representing: \_\_\_\_\_

NAS SURETY GROUP

NORTH AMERICAN SPECIALTY INSURANCE COMPANY
WASHINGTON INTERNATIONAL INSURANCE COMPANY

GENERAL POWER OF ATTORNEY

KNOW ALL MEN BY THESE PRESENTS, THAT North American Specialty Insurance Company, a corporation duly organized and existing under laws of the State of New Hampshire, and having its principal office in the City of Manchester, New Hampshire, and Washington International Insurance Company, a corporation organized and existing under the laws of the State of New Hampshire and having its principal office in the City of Schaumburg, Illinois, each does hereby make, constitute and appoint:

JOHN G. MALONEY, HELEN MALONEY, MICHELLE M. BASUIL,
GLEND A. J. GARDNER, MARK D. IATAROLA and DEBORAH D. DAVIS

JOINTLY OR SEVERALLY

Its true and lawful Attorney(s)-in-Fact, to make, execute, seal and deliver, for and on its behalf and as its act and deed, bonds or other writings obligatory in the nature of a bond on behalf of each of said Companies, as surety, on contracts of suretyship as are or may be required or permitted by law, regulation, contract or otherwise, provided that no bond or undertaking or contract or suretyship executed under this authority shall exceed the amount of:

FIFTY MILLION (\$50,000,000.00) DOLLARS

This Power of Attorney is granted and is signed by facsimile under and by the authority of the following Resolutions adopted by the Boards of Directors of both North American Specialty Insurance Company and Washington International Insurance Company at meetings duly called and held on the 9th of May, 2012:

"RESOLVED, that any two of the Presidents, any Managing Director, any Senior Vice President, any Vice President, any Assistant Vice President, the Secretary or any Assistant Secretary be, and each or any of them hereby is authorized to execute a Power of Attorney qualifying the attorney named in the given Power of Attorney to execute on behalf of the Company bonds, undertakings and all contracts of surety, and that each or any of them hereby is authorized to attest to the execution of any such Power of Attorney and to attach therein the seal of the Company; and it is

FURTHER RESOLVED, that the signature of such officers and the seal of the Company may be affixed to any such Power of Attorney or to any certificate relating thereto by facsimile, and any such Power of Attorney or certificate bearing such facsimile signatures or facsimile seal shall be binding upon the Company when so affixed and in the future with regard to any bond, undertaking or contract of surety to which it is attached."



By [Signature]
Steven P. Anderson, Senior Vice President of Washington International Insurance Company
& Senior Vice President of North American Specialty Insurance Company



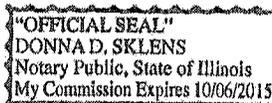
By [Signature]
David M. Layman, Vice President of Washington International Insurance Company
& Vice President of North American Specialty Insurance Company

IN WITNESS WHEREOF, North American Specialty Insurance Company and Washington International Insurance Company have caused their official seals to be hereunto affixed, and these presents to be signed by their authorized officers this 10th day of December, 2012.

North American Specialty Insurance Company
Washington International Insurance Company

State of Illinois
County of Cook ss:

On this 10th day of December, 2012, before me, a Notary Public personally appeared Steven P. Anderson, Senior Vice President of Washington International Insurance Company and Senior Vice President of North American Specialty Insurance Company and David M. Layman, Vice President of Washington International Insurance Company and Vice President of North American Specialty Insurance Company, personally known to me, who being by me duly sworn, acknowledged that they signed the above Power of Attorney as officers of and acknowledged said instrument to be the voluntary act and deed of their respective companies.



[Signature]
Donna D. Sklens, Notary Public

I, Jeffrey Goldberg, the duly elected Assistant Secretary of North American Specialty Insurance Company and Washington International Insurance Company, do hereby certify that the above and foregoing is a true and correct copy of a Power of Attorney given by said North American Specialty Insurance Company and Washington International Insurance Company, which is still in full force and effect.

IN WITNESS WHEREOF, I have set my hand and affixed the seals of the Companies this 23rd day of AUGUST, 2013.

[Signature]
Jeffrey Goldberg, Vice President & Assistant Secretary of
Washington International Insurance Company & North American Specialty Insurance Company

# CONTRACTOR CERTIFICATION

---

## DRUG-FREE WORKPLACE

**PROJECT TITLE:** WATER GROUP JOB 945

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;

**BURTECH PIPELINE INCORPORATED**

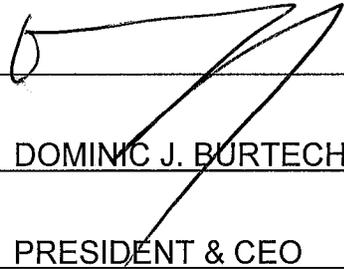
(Name under which business is conducted)

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 \_\_\_\_\_

Title \_\_\_\_\_

  
DOMINIC J. BURTECH

PRESIDENT & CEO

# CONTRACTOR CERTIFICATION

---

## AMERICAN WITH DISABILITIES ACT (ADA) COMPLIANCE CERTIFICATION

PROJECT TITLE: WATER GROUP JOB 945

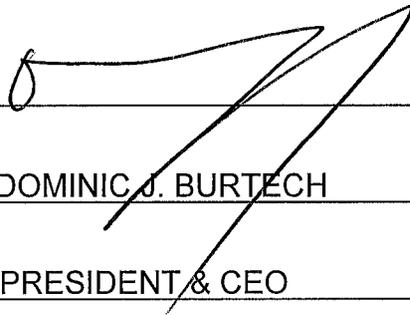
I hereby certify that I am familiar with the requirements of San Diego City Council Policy No. 100-4 regarding the American With Disabilities Act (ADA) outlined in the WHITEBOOK, Section 7-13.2, "American With Disabilities Act", of the project specifications, and that;

BURTECH PIPELINE INCORPORATED

(Name under which business is conducted)

has in place 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

DOMINIC J. BURTECH

Title

PRESIDENT & CEO

# CONTRACTOR CERTIFICATION

---

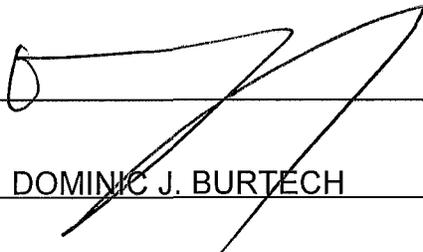
## CONTRACTOR STANDARDS – PLEDGE OF COMPLIANCE

**PROJECT TITLE:** WATER GROUP JOB 945

I declare under penalty of perjury that I am authorized to make this certification on behalf of BURTECH PIPELINE INCORPORATED, 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 28th Day of AUGUST, 2013.

Signed  \_\_\_\_\_

Printed Name DOMINIC J. BURTECH

Title PRESIDENT & CEO

**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:

**WATER GROUP JOB 945**  
(Name of Project)

as particularly described in said contract and identified as Bid No. **K-13-5836-DBB-3**: SAP No. (WBS/IO/CC) **B-11041** 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

**SUPPLEMENTARY SPECIAL PROVISIONS (SSP)**

## **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.

#### **2-5.3.2 Working Drawings.** TABLE 2-5.3.2(A), ADD the following:

<b>Item</b>	<b>Section No.</b>	<b>Title</b>	<b>Subject</b>
17	306-1.6	Water Valve Bypass for Mainlines 16” and Larger	SDW-154 <sup>*</sup>

<sup>\*</sup> Note: The distance dimensions shown between the bypass pipes and between bypass pipes and the mainlines are subject to change to field conditions.

#### **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 Thorn Street. See Appendix "E" for approximate location. Coordinate the Work with the adjacent project(s) as listed below:

- a) Upas Street Pipeline Replacement/Alice Altes (619) 533 4105
- b) Caltran’s Cabrillo/El Prado Bridge Seismic Project ( in El Prado Street near the bridge)/Harry Herman (858) 654 4225.
- c) Broadstone Balboa Park Bldg. between 4<sup>th</sup> and 5<sup>th</sup> Ave on Thorn St. Trisha Fe Benito, PDC.

**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 later than 5 Working Days after the determination of the Apparent Low Bidder** and on a City form when provided by the City.

**SECTION 6 – PROSECUTION, PROGRESS AND ACCEPTANCE OF WORK**

**6-7.1 General.** ADD the following:

- 5. For Water projects where shutdowns of 16-inch and larger pipes are required, there is a shutdown moratorium from May until October. Contractor shall plan and schedule work accordingly. No additional payment or working days will be granted for delays due to this moratorium.

**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.

**7-3.3 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.

**7-3.6 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.

**7-4 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.

**7-15 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 Supplements, 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. This Contract is not subject to the provisions of The WHITEBOOK for Compensation Adjustments for Price Index Fluctuations for the paving asphalt.

## SECTION 203 – BITUMINOUS MATERIALS

**203-15 RUBBER POLYMER MODIFIED SLURRY (RPMS).** RPMS shall used on this contract.

## SECTION 207 – PIPE

**207-26.4 Butterfly Valves.** To the City Supplement, item (2) and item (3), DELETE in their entirety.

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

## SECTION 300 - EARTHWORK

**300-1.4 Payment.** To the City Supplements, 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.

## 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 Crushed Aggregate Base in accordance with 200-2.2, “Crushed Aggregate Base.”

5. Recycled base material shall conform to 200-2.4 Crushed Miscellaneous Base Material.
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 Class 2 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.

**302-5.2.1 Measurement and Payment.** DELETE item c in its entirety and SUBSTITUTE the following:

- c) The Pavement Restoration Adjacent to Trench payment shall include the preparation work for any required subgrade and imported backfill material. The cost of imported backfill material shall be paid per bid item “imported Backfill”.

**SECTION 306 – UNDERGROUND CONDUIT CONSTRUCTION**

**306-1 OPEN TRENCH OPERATIONS.** To the City Supplements, CORRECT certain section numbering as follows:

<b>OLD SECTION NUMBER</b>	<b>TITLE</b>	<b>NEW SECTION NUMBER</b>
<b>306-1.8</b>	<b>House Connection Sewer (Laterals) and Cleanouts</b>	<b>306-1.9</b>
<b>306-1.7.1</b>	<b>Payment</b>	<b>306-1.9.1</b>
<b>306-1.7.2</b>	<b>Sewer Lateral with Private Replumbing</b>	<b>306-1.9.2</b>
<b>306-1.7.2.1</b>	<b>location</b>	<b>306-1.9.2-1</b>
<b>306-1.7.2.2</b>	<b>Permits</b>	<b>306-1.9.2-2</b>
<b>306-1.7.2.3</b>	<b>Submittals</b>	<b>306-1.9.2-3</b>
<b>306-1.7.2.4</b>	<b>Trenchless Construction</b>	<b>306-1.9.2-4</b>
<b>306-1.7.2.5</b>	<b>Payment</b>	<b>306-1.9.2-5</b>
<b>306-1.7.3.6</b>	<b>Private Pump Installation</b>	<b>306-1.9.2-6</b>
<b>306-1.7.3.7</b>	<b>Payment</b>	<b>306-1.9.2-7</b>

**306-1.6 Basis of Payment for Open Trench Installations.** ADD the following:

Payment for imported backfill when the Contractor elects to import material from a source outside the project limits and when authorized by the Engineer shall be

included in the Bid unit price for Imported Backfill. The price shall include the removal and disposal of unsuitable materials.

**306-22** **Pipe Fusion.** DELETE in its entirety.

### **SECTION 600 - WORK INVOLVING THE CITY FORCES**

**600-1.2.1.2** **High-lining Removed by the Contractor.** To the City Supplement, DELETE the first paragraph (a), and SUBSTITUTE with the following:

When directed by the Engineer the Contractor shall transfer the water services and remove the high-line materials. The Contractor will pickup and deliver all the City high-line materials to Water Operations Division at: Chollas Station, 2797 Caminito Chollas, San Diego, CA 92105.

**600-1.2.1.3** **Payment.** To the City Supplement, (c), DELETE in its entirety and SUBSTITUTE with the following:

- c) If high-lining by Contractor is awarded under “Alternate”, payment for high lining removal and water service transfers by Contractor shall be included in the unit bid price for “High-lining by Contractor.” Otherwise, if City Forces install the high-line system and the Contractor is requested to remove the high-line, transfer the water services, and deliver to the City designated location, payment shall be in accordance with the unit bid price for “High-lining Removed by Contractor” in the base bid.

### **SECTION 701 – WATER POLLUTION CONTROL**

**701-11** **Post-Construction Requirements.** To the City Supplement, ADD the following:

Comply with the following post-construction requirements:

Curb Inlet markers.

### **SECTION 707 – RESOURCES DISCOVERIES**

**ADD:**

**707-1.1** **Environmental Document.** The City of San Diego Environmental Analysis Section (EAS) of the Development Services Department has prepared **Addendum to Mitigated Negative Declaration for Water Group Job 945**, DEP No. **288019**, as referenced in the Contract Appendix. You must comply with all requirements of the **Addendum to Mitigated Negative Declaration** as set forth in the Contract Appendix A.

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**

**Addendum to Mitigated Negative Declaration**



**ADDENDUM TO  
MITIGATED NEGATIVE DECLARATION No. 255100  
SCH No. 2011091045**

Project No. 288019

**SUBJECT:** Water Group Job 945: DEVELOPMENT SERVICES DEPARTMENT APPROVAL to allow for the replacement of approximately 5,573 total linear feet (LF) of 16 inch cast iron water pipe with new 16 inch Polyvinyl Chloride (PVC) water pipe, and the abandonment of 379 LF of water pipe. Related work would include replacement and re-plumbing of water laterals, installation of curb ramps, pavement restoration, traffic control, and storm water best management practices. Construction of the project would affect portions of the following streets and adjacent alleys in the Uptown and Balboa Park Community Plan areas: Laurel Street, from Front Street to Six Avenue, and Fifth Avenue from Juniper Street to Upas Street. Applicant: City of San Diego, Public Works – Engineering & Capital Projects Department, Right of Way Design Division.

**I. PROJECT DESCRIPTION:**

The open trench method of construction would be employed for the project the depths of the trenches would vary from 5 to 8 feet deep depending on the topography of the area. The widths of the trenches would be approximately three to five feet wide. Abandonment would involve slurry fill existing water main. Potholing is employed to verify utility crossings. Other improvements would consist of curb ramps, new pavement/slurry and AC overlay.

All work would occur within the public right-of-way (ROW) in developed streets and alleys. Activated work hours would occur during the daytime, Monday through Friday. The project would comply with the requirements described in the *Standard Specifications for Public Works Construction*, and California Department of Transportation *Manual of Traffic Controls for construction and Maintenance Work Zones*. A traffic control plan would be prepared and implemented in accordance with the *City of San Diego Standard Drawings Manual of Traffic Control for Construction and Maintenance Work Zones*.

**II. ENVIRONMENTAL SETTING:**

The project would be located in the public right-of-way within the Uptown and Balboa Park Community Planning areas and is not in or adjacent to the City's Multi-Habitat Planning Area (MHPA). Construction could affect portions of the following streets and adjacent alleyways: Laurel Street, Prado Street, and Fifth Avenue (Figure 1).

### III. PROJECT BACKGROUND:

A Citywide Pipelines Projects Mitigated Negative Declaration (MND) No. 255100 was prepared by the City of San Diego's Environmental Analysis Section (EAS) and was certified by City Council on November 30, 2011 (resolution number 307122). The Citywide Pipelines Projects MND provides for the inclusion of subsequent pipeline projects that are located within the public right-of-way and would not result in any direct impacts to sensitive biological resources. Pursuant to the City of San Diego's Municipal Code Section 128.036(b) all addenda for environmental documents certified more than 3 years before the date of application shall be distributed for public review for 14 calendar days along with the previously certified environmental document. Therefore this addendum is not being distributed for a 14 calendar day public review.

#### Historical Resources (Archaeology)

MND No. 255100 analyzed historical resources in relation to pipeline projects and determined that if after a thorough review of the archaeological data no direct impacts were identified to known archaeological sites then the project could addend the MND. A record search of the California Historic Resources Information System (CHRIS) digital database was reviewed to determine presence or absence of potential resources within the project alignments. No archaeological resources were identified within the project areas. However, Water Group 945 is located on the City's Historic Sensitivity Map and would require archaeological monitoring in case of unexpected discoveries. Compliance with the Mitigation, Monitoring and Reporting Program would reduce all potential impacts to Historical Resources to below a level of CEQA significance.

### IV. DETERMINATION:

The City of San Diego previously prepared a Mitigated Negative Declaration No. **255100** for the project described in the attached MND and Initial Study.

Based upon a review of the current project, it has been determined that:

- a. There are no new significant environmental impacts not considered in the previous MND;
- b. No substantial changes have occurred with respect to the circumstances under which the project is undertaken; and
- c. There is no new information of substantial importance to the project.

Therefore, in accordance with Section 15164 of the State CEQA Guidelines this addendum has been prepared. No public review of this addendum is required.

### V. MITIGATION, MONITORING AND REPORTING PROGRAM INCORPORATED INTO THE PROJECT:

#### HISTORICAL RESOURCES (ARCHAEOLOGY)

## **Prior to Permit Issuance or Bid Opening/Bid Award**

### **A. Entitlements Plan Check**

1. Prior to permit issuance or Bid Opening/Bid Award, whichever is applicable, the Assistant Deputy Director (ADD) Environmental designee shall verify that the requirements for Archaeological Monitoring and Native American monitoring have been noted on the applicable construction documents through the plan check process.

### **B. Letters of Qualification have been submitted to ADD**

1. Prior to Bid Award, the applicant shall submit a letter of verification to Mitigation Monitoring Coordination (MMC) identifying the Principal Investigator (PI) for the project and the names of all persons involved in the archaeological monitoring program, as defined in the City of San Diego Historical Resources Guidelines (HRG). If applicable, individuals involved in the archaeological monitoring program must have completed the 40-hour HAZWOPER training with certification documentation.
2. MMC will provide a letter to the applicant confirming the qualifications of the PI and all persons involved in the archaeological monitoring of the project meet the qualifications established in the HRG.
3. Prior to the start of work, the applicant must obtain written approval from MMC for any personnel changes associated with the monitoring program.

## **II. Prior to Start of Construction**

### **A. Verification of Records Search**

1. The PI shall provide verification to MMC that a site specific records search (1/4 mile radius) has been completed. Verification includes, but is not limited to a copy of a confirmation letter from South Coastal Information Center, or, if the search was in-house, a letter of verification from the PI stating that the search was completed.
2. The letter shall introduce any pertinent information concerning expectations and probabilities of discovery during trenching and/or grading activities.
3. The PI may submit a detailed letter to MMC requesting a reduction to the ¼ mile radius.

### **B. PI Shall Attend Precon Meetings**

1. Prior to beginning any work that requires monitoring; the Applicant shall arrange a Precon Meeting that shall include the PI, Native American consultant/monitor (where Native American resources may be impacted), Construction Manager (CM) and/or Grading Contractor, Resident Engineer (RE), Building Inspector (BI), if appropriate, and MMC. The qualified Archaeologist and Native American Monitor shall attend any grading/excavation related Precon Meetings to make comments and/or suggestions concerning the Archaeological Monitoring program with the Construction Manager and/or Grading Contractor.
  - a. If the PI is unable to attend the Precon Meeting, the Applicant shall schedule a focused Precon Meeting with MMC, the PI, RE, CM or BI, if appropriate, prior to the start of any work that requires monitoring.

2. Acknowledgement of Responsibility for Curation (CIP or Other Public Projects)  
The applicant shall submit a letter to MMC acknowledging their responsibility for the cost of curation associated with all phases of the archaeological monitoring program.
3. Identify Areas to be Monitored
  - a. Prior to the start of any work that requires monitoring, the PI shall submit an Archaeological Monitoring Exhibit (AME) (with verification that the AME has been reviewed and approved by the Native American consultant/monitor when Native American resources may be impacted) based on the appropriate construction documents (reduced to 11x17) to MMC identifying the areas to be monitored including the delineation of grading/excavation limits.
  - b. The AME shall be based on the results of a site specific records search as well as information regarding the age of existing pipelines, laterals and associated appurtenances and/or any known soil conditions (native or formation).
  - c. MMC shall notify the PI that the AME has been approved.
4. When Monitoring Will Occur
  - a. Prior to the start of any work, the PI shall also submit a construction schedule to MMC through the RE indicating when and where monitoring will occur.
  - b. The PI may submit a detailed letter to MMC prior to the start of work or during construction requesting a modification to the monitoring program. This request shall be based on relevant information such as review of final construction documents which indicate conditions such as age of existing pipe to be replaced, depth of excavation and/or site graded to bedrock, etc., which may reduce or increase the potential for resources to be present.
5. Approval of AME and Construction Schedule  
After approval of the AME by MMC, the PI shall submit to MMC written authorization of the AME and Construction Schedule from the CM.

### III. During Construction

- A. Monitor Shall be Present During Grading/Excavation/Trenching
  1. The Archaeological Monitor shall be present full-time during all soil disturbing and grading/excavation/trenching activities which could result in impacts to archaeological resources as identified on the AME. **The Construction Manager is responsible for notifying the RE, PI, and MMC of changes to any construction activities such as in the case of a potential safety concern within the area being monitored. In certain circumstances OSHA safety requirements may necessitate modification of the AME.**
  2. The Native American consultant/monitor shall determine the extent of their presence during soil disturbing and grading/excavation/trenching activities based on the AME and provide that information to the PI and MMC. If prehistoric resources are encountered during the Native American consultant/monitor's absence, work shall stop and the Discovery Notification Process detailed in Section III.B-C and IV.A-D shall commence.
  3. The PI may submit a detailed letter to MMC during construction requesting a modification to the monitoring program when a field condition such as modern disturbance post-dating the previous grading/trenching activities, presence of

fossil formations, or when native soils are encountered that may reduce or increase the potential for resources to be present.

4. The archaeological and Native American consultant/monitor shall document field activity via the Consultant Site Visit Record (CSVSR). The CSVSR's shall be faxed by the CM to the RE the first day of monitoring, the last day of monitoring, monthly (**Notification of Monitoring Completion**), and in the case of ANY discoveries. The RE shall forward copies to MMC.

B. Discovery Notification Process

1. In the event of a discovery, the Archaeological Monitor shall direct the contractor to temporarily divert all soil disturbing activities, including but not limited to digging, trenching, excavating or grading activities in the area of discovery and in the area reasonably suspected to overlay adjacent resources and immediately notify the RE or BI, as appropriate.
2. The Monitor shall immediately notify the PI (unless Monitor is the PI) of the discovery.
3. The PI shall immediately notify MMC by phone of the discovery, and shall also submit written documentation to MMC within 24 hours by fax or email with photos of the resource in context, if possible.
4. No soil shall be exported off-site until a determination can be made regarding the significance of the resource specifically if Native American resources are encountered.

C. Determination of Significance

1. The PI and Native American consultant/monitor, where Native American resources are discovered shall evaluate the significance of the resource. If Human Remains are involved, follow protocol in Section IV below.
  - a. The PI shall immediately notify MMC by phone to discuss significance determination and shall also submit a letter to MMC indicating whether additional mitigation is required.
  - b. If the resource is significant, the PI shall submit an Archaeological Data Recovery Program (ADRP) and obtain written approval of the program from MMC, CM and RE. ADRP and any mitigation must be approved by MMC, RE and/or CM before ground disturbing activities in the area of discovery will be allowed to resume. **Note: If a unique archaeological site is also an historical resource as defined in CEQA Section 15064.5, then the limits on the amount(s) that a project applicant may be required to pay to cover mitigation costs as indicated in CEQA Section 21083.2 shall not apply.**
    - (1). Note: For pipeline trenching and other linear projects in the public Right-of-Way, the PI shall implement the Discovery Process for Pipeline Trenching projects identified below under "D."
  - c. If the resource is not significant, the PI shall submit a letter to MMC indicating that artifacts will be collected, curated, and documented in the Final Monitoring Report. The letter shall also indicate that that no further work is required.
    - (1). Note: For Pipeline Trenching and other linear projects in the public Right-of-Way, if the deposit is limited in size, both in length and depth; the information value is limited and is not associated with any other

resource; and there are no unique features/artifacts associated with the deposit, the discovery should be considered not significant.

- (2). Note, for Pipeline Trenching and other linear projects in the public Right-of-Way, if significance cannot be determined, the Final Monitoring Report and Site Record (DPR Form 523A/B) shall identify the discovery as Potentially Significant.

D. Discovery Process for Significant Resources - Pipeline Trenching and other Linear Projects in the Public Right-of-Way

The following procedure constitutes adequate mitigation of a significant discovery encountered during pipeline trenching activities or for other linear project types within the Public Right-of-Way including but not limited to excavation for jacking pits, receiving pits, laterals, and manholes to reduce impacts to below a level of significance:

1. Procedures for documentation, curation and reporting
  - a. One hundred percent of the artifacts within the trench alignment and width shall be documented in-situ, to include photographic records, plan view of the trench and profiles of side walls, recovered, photographed after cleaning and analyzed and curated. The remainder of the deposit within the limits of excavation (trench walls) shall be left intact.
  - b. The PI shall prepare a Draft Monitoring Report and submit to MMC via the RE as indicated in Section VI-A.
  - c. The PI shall be responsible for recording (on the appropriate State of California Department of Park and Recreation forms-DPR 523 A/B) the resource(s) encountered during the Archaeological Monitoring Program in accordance with the City's Historical Resources Guidelines. The DPR forms shall be submitted to the South Coastal Information Center for either a Primary Record or SDI Number and included in the Final Monitoring Report.
  - d. The Final Monitoring Report shall include a recommendation for monitoring of any future work in the vicinity of the resource.

**IV. Discovery of Human Remains**

If human remains are discovered, work shall halt in that area and no soil shall be exported off-site until a determination can be made regarding the provenance of the human remains; and the following procedures as set forth in CEQA Section 15064.5(e), the California Public Resources Code (Sec. 5097.98) and State Health and Safety Code (Sec. 7050.5) shall be undertaken:

A. Notification

1. Archaeological Monitor shall notify the RE or BI as appropriate, MMC, and the PI, if the Monitor is not qualified as a PI. MMC will notify the appropriate Senior Planner in the Environmental Analysis Section (EAS) of the Development Services Department to assist with the discovery notification process.
2. The PI shall notify the Medical Examiner after consultation with the RE, either in person or via telephone.

B. Isolate discovery site

1. Work shall be directed away from the location of the discovery and any nearby area reasonably suspected to overlay adjacent human remains until a

- determination can be made by the Medical Examiner in consultation with the PI concerning the provenience of the remains.
2. The Medical Examiner, in consultation with the PI, will determine the need for a field examination to determine the provenience.
  3. If a field examination is not warranted, the Medical Examiner will determine with input from the PI, if the remains are or are most likely to be of Native American origin.
- C. If Human Remains **ARE** determined to be Native American
1. The Medical Examiner will notify the Native American Heritage Commission (NAHC) within 24 hours. By law, **ONLY** the Medical Examiner can make this call.
  2. NAHC will immediately identify the person or persons determined to be the Most Likely Descendent (MLD) and provide contact information.
  3. The MLD will contact the PI within 24 hours or sooner after the Medical Examiner has completed coordination, to begin the consultation process in accordance with CEQA Section 15064.5(e), the California Public Resources and Health & Safety Codes.
  4. The MLD will have 48 hours to make recommendations to the property owner or representative, for the treatment or disposition with proper dignity, of the human remains and associated grave goods.
  5. Disposition of Native American Human Remains will be determined between the MLD and the PI, and, if:
    - a. The NAHC is unable to identify the MLD, OR the MLD failed to make a recommendation within 48 hours after being notified by the Commission, OR;
    - b. The landowner or authorized representative rejects the recommendation of the MLD and mediation in accordance with PRC 5097.94 (k) by the NAHC fails to provide measures acceptable to the landowner, THEN
    - c. To protect these sites, the landowner shall do one or more of the following:
      - (1) Record the site with the NAHC;
      - (2) Record an open space or conservation easement; or
      - (3) Record a document with the County.
    - d. Upon the discovery of multiple Native American human remains during a ground disturbing land development activity, the landowner may agree that additional conferral with descendants is necessary to consider culturally appropriate treatment of multiple Native American human remains. Culturally appropriate treatment of such a discovery may be ascertained from review of the site utilizing cultural and archaeological standards. Where the parties are unable to agree on the appropriate treatment measures the human remains and items associated and buried with Native American human remains shall be reinterred with appropriate dignity, pursuant to Section 5.c., above.
- D. If Human Remains are **NOT** Native American
1. The PI shall contact the Medical Examiner and notify them of the historic era context of the burial.
  2. The Medical Examiner will determine the appropriate course of action with the PI and City staff (PRC 5097.98).

3. If the remains are of historic origin, they shall be appropriately removed and conveyed to the San Diego Museum of Man for analysis. The decision for internment of the human remains shall be made in consultation with MMC, EAS, the applicant/landowner, any known descendant group, and the San Diego Museum of Man.

## V. Night and/or Weekend Work

- A. If night and/or weekend work is included in the contract
  1. When night and/or weekend work is included in the contract package, the extent and timing shall be presented and discussed at the precon meeting.
  2. The following procedures shall be followed.
    - a. No Discoveries  
In the event that no discoveries were encountered during night and/or weekend work, the PI shall record the information on the CSV and submit to MMC via fax by 8AM of the next business day.
    - b. Discoveries  
All discoveries shall be processed and documented using the existing procedures detailed in Sections III - During Construction, and IV – Discovery of Human Remains. Discovery of human remains shall always be treated as a significant discovery.
    - c. Potentially Significant Discoveries  
If the PI determines that a potentially significant discovery has been made, the procedures detailed under Section III - During Construction and IV-Discovery of Human Remains shall be followed.
    - d. The PI shall immediately contact the RE and MMC, or by 8AM of the next business day to report and discuss the findings as indicated in Section III-B, unless other specific arrangements have been made.
- B. If night and/or weekend work becomes necessary during the course of construction
  1. The Construction Manager shall notify the RE, or BI, as appropriate, a minimum of 24 hours before the work is to begin.
  2. The RE, or BI, as appropriate, shall notify MMC immediately.
- C. All other procedures described above shall apply, as appropriate.

## VI. Post Construction

- A. Submittal of Draft Monitoring Report
  1. The PI shall submit two copies of the Draft Monitoring Report (even if negative), prepared in accordance with the Historical Resources Guidelines (Appendix C/D) which describes the results, analysis, and conclusions of all phases of the Archaeological Monitoring Program (with appropriate graphics) to MMC via the RE for review and approval within 90 days following the completion of monitoring. **It should be noted that if the PI is unable to submit the Draft Monitoring Report within the allotted 90-day timeframe as a result of delays with analysis, special study results or other complex issues, a schedule shall be submitted to MMC establishing agreed due dates and the provision for submittal of monthly status reports until this measure can be met.**

- a. For significant archaeological resources encountered during monitoring, the Archaeological Data Recovery Program or Pipeline Trenching Discovery Process shall be included in the Draft Monitoring Report.
  - b. Recording Sites with State of California Department of Parks and Recreation  
The PI shall be responsible for recording (on the appropriate State of California Department of Park and Recreation forms-DPR 523 A/B) any significant or potentially significant resources encountered during the Archaeological Monitoring Program in accordance with the City's Historical Resources Guidelines, and submittal of such forms to the South Coastal Information Center with the Final Monitoring Report.
2. MMC shall return the Draft Monitoring Report to the PI via the RE for revision or, for preparation of the Final Report.
  3. The PI shall submit revised Draft Monitoring Report to MMC via the RE for approval.
  4. MMC shall provide written verification to the PI of the approved report.
  5. MMC shall notify the RE or BI, as appropriate, of receipt of all Draft Monitoring Report submittals and approvals.
- B. Handling of Artifacts
1. The PI shall be responsible for ensuring that all cultural remains collected are cleaned and catalogued
  2. The PI shall be responsible for ensuring that all artifacts are analyzed to identify function and chronology as they relate to the history of the area; that faunal material is identified as to species; and that specialty studies are completed, as appropriate.
- C. Curation of artifacts: Accession Agreement and Acceptance Verification
1. The PI shall be responsible for ensuring that all artifacts associated with the survey, testing and/or data recovery for this project are permanently curated with an appropriate institution. This shall be completed in consultation with MMC and the Native American representative, as applicable.
  2. When applicable to the situation, the PI shall include written verification from the Native American consultant/monitor indicating that Native American resources were treated in accordance with state law and/or applicable agreements. If the resources were reinterred, verification shall be provided to show what protective measures were taken to ensure no further disturbance occurs in accordance with Section IV – Discovery of Human Remains, Subsection C.
  3. The PI shall submit the Accession Agreement and catalogue record(s) to the RE or BI, as appropriate for donor signature with a copy submitted to MMC.
  4. The RE or BI, as appropriate shall obtain signature on the Accession Agreement and shall return to PI with copy submitted to MMC.
  5. The PI shall include the Acceptance Verification from the curation institution in the Final Monitoring Report submitted to the RE or BI and MMC.
- D. Final Monitoring Report(s)
1. The PI shall submit one copy of the approved Final Monitoring Report to the RE or BI as appropriate, and one copy to MMC (even if negative), within 90 days after notification from MMC of the approved report.

2. The RE shall, in no case, issue the Notice of Completion until receiving a copy of the approved Final Monitoring Report from MMC which includes the Acceptance Verification from the curation institution.

  
\_\_\_\_\_  
Jeff Szymanski, Senior Planner  
Development Services Department

January 4, 2013  
Date of Final Report

Analyst: Jeff Szymanski

Attachments:

Figure 1: Vicinity Map for Sewer Group 945  
Mitigated Negative Declaration #255100

The Addendum to Mitigated Negative Declaration No. 255100 was not distributed for public review pursuant to San Diego Municipal Code (SDMC) Chapter 6, Article 9, Paragraph 69.0211 (Addenda to Environmental Reports). The SDMC requires that addenda to environmental documents certified more than three years previously are to be distributed by Development Services Department (DSD) for a fourteen calendar-day public review period, along with the previously certified environmental document. Because the Mitigated Negative Declaration 255100 was certified on November 30, 2011, which is within the three year timeline, no additional public review is required. The final Addendum was distributed to the following groups and individuals for public disclosure in accordance with CEQA Section 15164.

VI. DISTRIBUTION:

Copies or notice of this Addendum were distributed to:

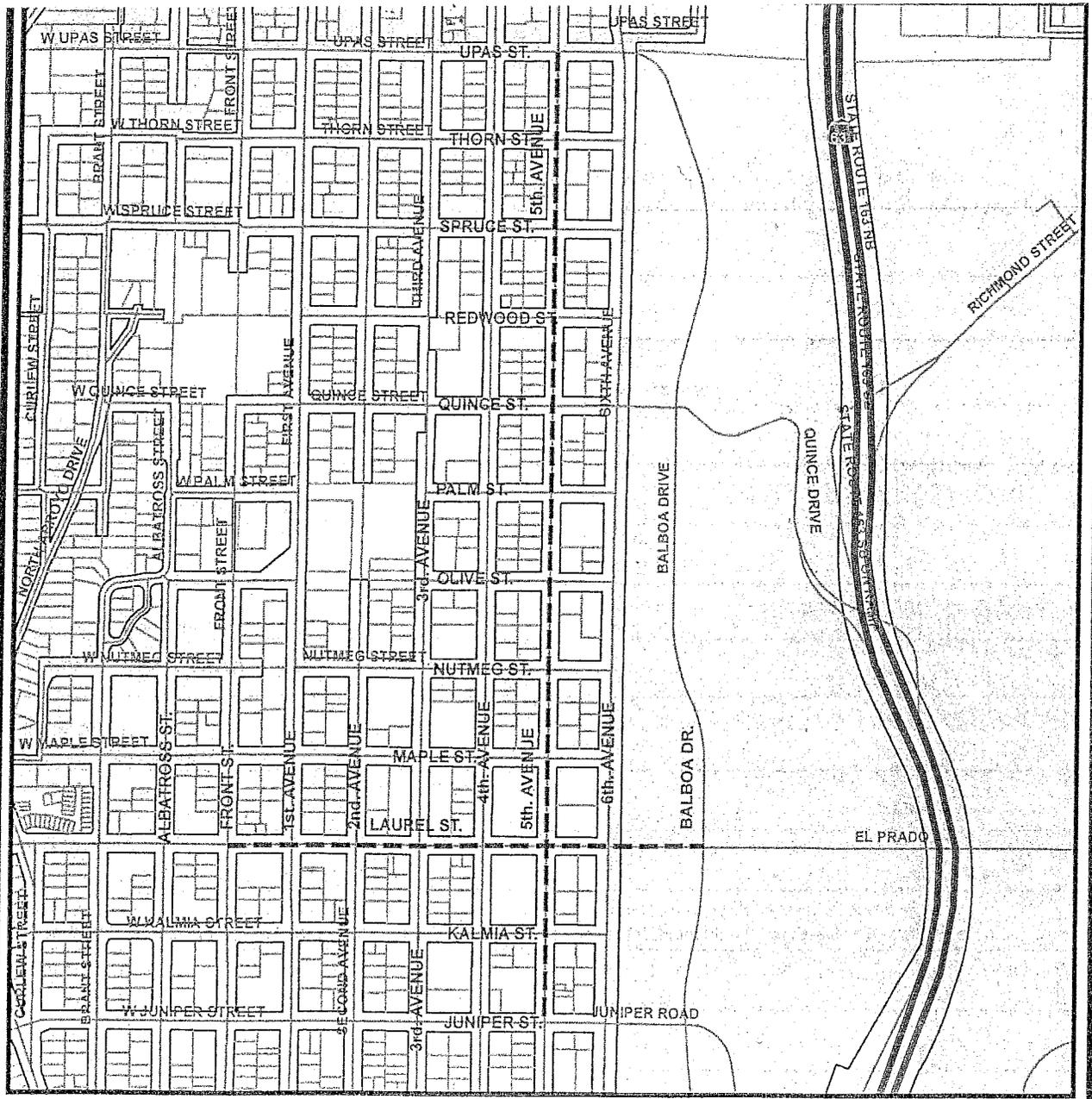
City of San Diego

- Council Member Faulconer, District 2
- Council Member Gloria, District 3
- City Attorney
  - Shannon Thomas (MS 93C)
- Development Services Department
  - Angela Nazareno (MS 501)
  - Historic Resources Board (87)
- City of San Diego, Public Works – Engineering & Capital Projects Department
  - Mayyar Navizi (MS 908A)
  - Luis Schaar (MS 908A)
  - James Arnhart (MS 908A)
- Library Dept.-Gov. Documents MS 17 (81)
  - Central Library (MS 81a)

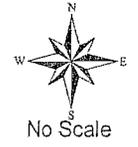
Other

Balboa Park Committee (226)  
Balboa Club (226b)  
Uptown Planners (498)  
San Diego Gas and Electric (114)  
San Diego Natural History Museum (166)  
South Coastal Information Center (210)  
San Diego Archaeological Center (212)  
Save Our Heritage Organisation (214)  
San Diego County Archaeological Society, Inc. (218)  
Carmen Lucas (206)  
Clint Linton (215b)  
Ron Christman (215)  
Louie Guassac (215A)  
Frank Brown (216)  
Kumeyaay Cultural Heritage Preservation (223)  
Kumeyaay Cultural Repatriation Committee (225)  
Native American Distribution (NOTICE ONLY 225A-S)

Copies of the addendum, the final MND, the Mitigation Monitoring and Reporting Program, and any technical appendices may be reviewed in the office of the Advanced Planning and Engineering Division of the Development Services Department, or purchased for the cost of reproduction.



**LEGEND:**  
 - - - - - PROPOSED WATER MAIN



**Location Map**  
 Water Group 945/Project No. 288019  
 City of San Diego – Development Services Department

**FIGURE**  
**No. 1**



## MITIGATED NEGATIVE DECLARATION

Project No. 255100  
SCH No. 2011091045

**SUBJECT:** Citywide Pipeline Projects: COUNCIL APPROVAL to allow for the replacement, rehabilitation, relocation, point repair, new trenching, trenchless construction, and abandonment of water and/or sewer pipeline alignments and associated improvements such as curb ramps, sewer lateral connections, water service connections, manholes, new pavement/slurry, the removal and/or replacement of street trees and the removal and/or replacement of street lights. This environmental document covers the analysis for ~~five~~ four (4) near-term pipeline projects (Harbor Drive Pipeline, Water Group 949, ~~Sewer Group 787~~, Water Group 914, and Sewer/Water Group 732), as well as any subsequent future pipeline projects. The construction footprint for a typical pipeline project, including staging areas and other areas (such as access) would be located within the City of San Diego Public Right-of-Way (PROW) and/or within public easements and may include planned pipeline construction within private easements from the PROW to the service connection. A signed agreement between the City and the property owner would be required for work conducted on private property. Project types that would be included in the analysis contained herein would consist of sewer and water group jobs, trunk sewers, large diameter water pipeline projects, new and/or replacement manholes, new/or replacement fire hydrants, and other necessary appurtenances. All associated equipment would be staged within the existing PROW adjacent to the work areas. The near-term and future projects covered in the document would not impact *Sensitive Biological Resources* or *Environmentally Sensitive Lands (ESL)* as defined in the Land Development Code and would not encroach into the City's Multi-Habitat Planning Area (MHPA). Applicant: The City of San Diego Engineering and Capital Projects Department AND Public Utilities Department.

Update 10/20/2011

Revisions to this document have been made when compared to the Draft Mitigated Negative Declaration (DMND) dated September 9, 2011. In response to the Comment Letter received from The California Department of Fish and Game, further description and graphics of Water Group 949 as it relates to the MHPA has been added to the Final MND. Please note that Sewer Group 787, which is adjacent to the MHPA, has been removed from the project description and is no longer covered in this MND.

The modifications to the FMND are denoted by ~~strikeout~~ and underline format. In accordance with the California Environmental Quality Act, Section 15073.5 (c)(4), the addition of new information that clarifies, amplifies, or makes insignificant modification does not require recirculation as there are no new impacts and no new mitigation identified. An environmental document need only be recirculated when there is identification of new significant environmental impact or the addition of a new mitigation measure required to avoid a significant environmental impact. The addition

**of corrected mitigation language within the environmental document does not affect the environmental analysis or conclusions of the MND.**

Construction for the near-term and any future projects is anticipated to occur during the daytime hours Monday through Friday, but may occur during the weekend, if necessary. The contractor would comply with all applicable requirements described in the latest edition of the *Standard Specifications for Public Works Construction* ("GREENBOOK") and the latest edition of the *City of San Diego Standard Specifications for Public Works Construction* ("WHITEBOOK"). The City's supplement addresses unique circumstances to the City of San Diego that are not addressed in the GREENBOOK and would therefore take precedence in the event of a conflict. The contractor would also comply with the California Department of Transportation *Manual of Traffic Controls for Construction and Maintenance Work Zones*. If the Average Daily Traffic (ADT) within a given project(s) vicinity is 10,000 ADT or greater, a traffic control plan would be prepared and implemented in accordance with the *City of San Diego Standard Drawings Manual of Traffic Control for Construction and Maintenance Work Zones*. For proposals subject to 10,000 ADT or less, traffic control may be managed through shop drawings during construction. Construction methods to be employed would consist of, but not be limited to:

**Open Trenching:** The open trench method of construction would be used for complete replacement and new alignment portions of the project. Trenches are typically four feet wide and are dug with excavations and similar large construction equipment.

**Rehabilitation:** Rehabilitation of alignment involves installing a new lining in old pipelines. The insertion is done through existing manhole access points and does not require removal of pavement or excavation of soils.

**Abandonment:** Pipeline abandonment activities would be similar to rehabilitation methods in that no surface/subsurface disturbance would occur. This process may involve slurry or grout material injected into the abandoned lines via manhole access. The top portion of the manhole is then typically removed and the remaining space backfilled and paved over.

**Potholing:** Potholing would be used to verify reconnection of laterals to main where lines would be raised or realigned (higher than existing depth, but still below ground) or to verify utility crossings. These "potholes" are made by using vacuum type equipment to open up small holes into the street of pavement.

**Point Repairs:** Point repairs include replacing a portion of a pipe segment by open trench excavation methods in which localized structural defects have been identified. Generally, point repairs are confined to an eight-foot section of pipe.

The following near term project(s) have been reviewed by the City of San Diego, Development Services Department (DSD) for compliance with the Land Development Code and have been determined to be exempt from a Site Development Permit (SDP) and/or a Coastal Development Permit (CDP). These projects would involve excavation in areas having a high resource sensitivity and potential for encountering archaeological and paleontological resources during construction related activities. Therefore, mitigation would be required to reduce potential significant impacts to archaeological and paleontological resources to below a level of significance. With respect to Storm Water, all projects would be reviewed for compliance with the City's Storm Water Standards

Manual. All projects that are not-exempt from the Standard Urban Storm Water Mitigation Plan (SUSMP) would incorporate appropriate Permanent Best Management Practices (BMPs) and construction BMPs into the project design(s) and during construction, as required. As such, all projects would comply with the requirement of the Municipal Storm Water Permit.

#### HARBOR DRIVE PIPELINE (PROJECT NO. 206100)

The Harbor Drive Pipeline includes the replacement of 4.4 miles of 16-inch cast iron (CI) and asbestos cement (AC) pipe that comprises the Harbor Drive 1<sup>st</sup> and 2<sup>nd</sup> Pipelines (HD-1 and HD-2) at a depth no greater than five (5) feet. Facility age and cast iron main replacement are the primary drivers for these projects, but due to the history of AC breaks in the area, approximately 1.0 mile of AC replacement is also included. The project is anticipated to be awarded in Fiscal Year 2013.

HD-1 and HD-2 were built primarily in the 1940's and 1950's and were made out of cast iron or asbestos cement and serve the western most part of the University Heights 390 Zone and the northern section of the Point Loma East 260 Zone. The pipelines also serve as redundancy to each other. Several segments were replaced by various City of San Diego Public Utilities Department projects throughout the years and those segments are not a part of the current scope. Previously replaced segments were 16 inch PVC, except for the bridge crossing which used 24-inch CMLC. The pipeline is located entirely within the PROW, will not require any easements, and is not adjacent to the MHPA or located within any designated historical districts. The following streets would be affected by this project: West Laurel, Pacific Highway, North Harbor Drive (within the roadway, under the bridge and within landscape areas), Nimitz Boulevard, Rosecrans Street, Evergreen Street, Hugo Street, Locust Street, Canon Street, Avenida De Portugal, and Point Loma Avenue.

#### **Mitigation for the Harbor Drive Pipeline: Historical Resources (Archaeological Monitoring)**

##### WATER GROUP 949 (PROJECT NO. 232719)

Water Group 949 would consist of the replacement and installation of 5.27 miles of water mains within the Skyline- Paradise Hills, University, Clairemont Mesa, Southeastern San Diego (Greater Golden Hills) community planning areas. 16,931 Linear Feet (LF) of 16-inch cast iron water mains would be replace-in-place with new 16-inch polyvinyl chloride (PVC) pipe within the existing trench. The remaining 10,913 LF of new 16-inch PVC would be installed in new trenches. All work within Regents Road, Site 2 (Figure 8), adjacent to the MHPA would only occur within the developed footprint such as the paved right of way, and concrete sidewalk or slab areas. In addition, all work within 100 feet of the MHPA would observe mitigation such as but not limited to, bird breeding season measures, avoidance of discharge into the MHPA, and avoidance of direct lighting towards the MHPA areas. As such, no impacts to MHPA and/or sensitive resources would occur. The project would also include replacement and reinstallation of valves, water services, fire hydrants, and other appurtenances and would also included the construction of curb ramps, and street resurfacing. Traffic control measures and Best Management Practices (BMPs) would be implemented during construction. Any street tree removal, relocation, and/or trimming would be done under the supervision of the City Arborist. All staging of construction equipment will be located outside of any potentially sensitive areas. The following streets and nearby alleyways would be affected by this project: Tuther Way, Cielo Drive, Woodman Street, Skyline Drive, Regents Road, Hidalgo Avenue, Clairemont Mesa Boulevard, Luna Avenue, B Street, F Street, Ash Street, 25<sup>th</sup> Street, and 27<sup>th</sup> Street.

**Mitigation Required for Water Group 949: This project would require the implementation of MHPA Land Use Adjacency Guidelines in the University and Clairemont Mesa Community Planning areas that are adjacent (within 100 feet) to the MHPA and Historical Resources (Built Environment) mitigation for the area of the project located within the Greater Golden Hill Historic District.**

SEWER GROUP 787 (PROJECT NO. 231928)

Sewer Group 787 would consist of the replacement of 26,436 lineal feet (LF) of existing 16-inch east iron sewer pipe with new 16-inch polyvinyl chloride (PVC) pipe within the existing trench. A total of 1,267 LF of new 16-inch PVC sewer alignment would be installed in new trenches. In addition, the project would abandon 1,606 LF of existing 16-inch east iron pipe. The proposed project would be installed by conventional excavation (open trench) in trenches from 3-5 feet deep. The project would affect the following streets and nearby alleyways: 42<sup>nd</sup> Street, Monroe Avenue, Edgeware Road, Polk Avenue, Orange Avenue, Menlo Avenue, 47<sup>th</sup> Street, Dwight Street, Myrtle Avenue, Manzanita Place, Heather Street, Dahlia Street, Poplar Street, Columbine Street, Pepper Drive, Juniper Street, Marigold Street, Sumac Drive, 44<sup>th</sup> Street, Laurie Lane, and Roseview Place all within the City Heights and Kensington-Talmadge Community Planning Areas.

**Mitigation Required for Water Group 787: This project would require the implementation of MHPA Land Use Adjacency Guidelines in the City Heights and Kensington Talmadge Community Planning areas that are adjacent (within 100 feet) to the MHPA, Historical Resources (Archaeological and Paleontological Monitoring).**

WATER GROUP 914 (PROJECT NO. 233447)

Water Group 914 would consist of the replacement and installation of approximately 21,729 lineal feet (LF) of existing 6-inch, 8-inch and 12-inch cast iron pipes and 6-inch asphalt concrete pipes with new 8-inch, 12-inch and 16-inch polyvinyl chloride (PVC) pipe. Also included would be the construction of two underground pressure regulator stations that measure 54 square-feet and 6.5 feet deep each. 17,472 LF would be located in existing trenches and 4,257 LF would be located in new trench lines. The proposed project would be installed by conventional excavation (open trench) in trenches from 3-5 feet deep. However two 300 LF parallel line sections (600 LF total) of the water alignment would be installed by trenchless methodology utilizing two (2) 40 square foot launch and receiver pits. The trenchless installation would occur at the intersection of Coronado Avenue and Ebers Street and is designed to avoid a recorded archaeological resource at this intersection. The trenchless methodology would employ directional underground boring that would install the pipe at a depth deeper than the recorded resource. In addition, a 4-inch AC water segment of approximately 520 LF located along Point Loma Avenue between Guizot Street and Santa Barbara Street will be abandoned in place. The project would affect the following streets and nearby alleyways: Point Loma Avenue, Santa Barbara Street, Bermuda Avenue, Pescadero Avenue, Cable Street, Orchard Avenue, Froude Street, Sunset Cliffs Boulevard, Savoy Circle, and Del Monte Avenue all within the Ocean Beach and Peninsula Community Planning Areas.

**Mitigation for Water Group 914: Historical Resources (Archaeological Monitoring) and (Built Environment)**

SEWER AND WATER GROUP 732 (PROJECT NO. 206610)

Sewer and Water Group Job 732 would consist of the installation of approximately 5,500 total linear feet (LF) of 8 inch Polyvinyl Chloride (PVC) sewer pipe, and approximately 3,000 total linear feet (LF) of 12 inch PVC water pipe. Approximately, 1,035 LF of water pipe would be rehabilitated using trenchless technology in the same trench, with the remainder of the installation accomplished through open trenching. Related work would include construction of new manholes, replacement and re-plumbing of sewer laterals, installation of curb ramps, pavement restoration, traffic control, and storm water best management practices. Construction of the project would affect portions of the following streets and adjacent alleys in the Peninsula Community Plan area: Xenophon Street, Yonge Street, Zola Street, Alcott Street, Browning Street, Plum Street, Willow Street, Evergreen Street, Locust Street, and Rosecrans Street.

**Mitigation Required for Sewer and Water Group 732: Historical Resources (Archaeological and Paleontological Monitoring).**SUBSEQUENT PIPELINE PROJECT REVIEW (LONG TERM)

Applications for the replacement, rehabilitation, relocation, point repair, open trenching and abandonment of water and/or sewer pipeline alignments within the City of San Diego PROW as indicated in the Subject block above and in the Project Description discussion of the Initial Study would be analyzed for potential environmental impacts to Historical Resources (Archaeology, Paleontology and the Built Environment) and Land Use (MSCP/MHPA), and reviewed for consistency with this Mitigated Negative Declaration (MND). Where it can be determined that the project is "consistent" with this MND and no additional potential significant impacts would occur pursuant to State CEQA Guideline § 15162 (i.e. the involvement of new significant environmental effects of a substantial increase in the severity of previously identified effects) or if the project would result in minor technical changes or additions, then an Addendum to this MND would be prepared pursuant to §15164. Where future projects are found not to be consistent with this MND, then a new Initial Study and project specific MND shall be prepared.

- I. PROJECT DESCRIPTION: See attached Initial Study.
- II. ENVIRONMENTAL SETTING: See attached Initial Study.
- III. DETERMINATION:

The City of San Diego conducted an Initial Study which determined that the near term projects and any future subsequent projects could have a significant environmental effect in the following areas(s): Land Use (MSCP/MHPA Land Use Adjacency), Historical Resources (Built Environment), Historical Resources (Archaeology) and Paleontology. When subsequent projects are submitted to DSD, the Environmental Analysis Section (EAS) will determine which of the project specific mitigation measures listed in Section V. would apply. Subsequent revisions in the project proposal create the specific mitigation identified in Section V of this Mitigated Negative Declaration. Projects as revised now avoid or mitigate the potentially significant environmental effects previously identified, and the preparation of an Environmental Impact Report will not be required.

#### IV. DOCUMENTATION:

The attached Initial Study documents the reasons to support the above Determination.

#### V. MITIGATION, MONITORING AND REPORTING PROGRAM (MMRP):

##### A. GENERAL REQUIREMENTS – PART I

Plan Check Phase (prior to permit issuance)

1. Prior to Bid Opening/Bid Award or beginning any construction related activity on-site, the Development Services Department (DSD) Director's Environmental Designee (ED) shall review and approve all Construction Documents (CD) (plans, specification, details, etc.) to ensure the MMRP requirements have been incorporated.
2. In addition, the ED shall verify that the MMRP Conditions/Notes that apply ONLY to the construction phases of this project are included VERBATIM, under the heading, "ENVIRONMENTAL/MITIGATION REQUIREMENTS."
3. These notes must be shown within the first three (3) sheets of the construction documents in the format specified for engineering construction document templates as shown on the City website:

<http://www.sandiego.gov/development-services/industry/standtemp.shtml>

4. The **TITLE INDEX SHEET** must also show on which pages the "Environmental/Mitigation Requirements" notes are provided.

##### B. GENERAL REQUIREMENTS – PART II

**Post Plan Check (After permit issuance/Prior to start of construction)**

1. **PRE CONSTRUCTION MEETING IS REQUIRED TEN (10) WORKING DAYS PRIOR TO BEGINNING ANY WORK ON THIS PROJECT.** The PERMIT HOLDER/OWNER is responsible to arrange and perform this meeting by contacting the CITY RESIDENT ENGINEER (RE) of the Field Engineering Division and City staff from MITIGATION MONITORING COORDINATION (MMC). Attendees must also include the Permit holder's Representative(s), Job Site Superintendent and the following consultants as necessary:

**Biologist, Archaeologist, Native American Monitor, Historian and Paleontologist**

Note: Failure of all responsible Permit Holder's representatives and consultants to attend shall require an additional meeting with all parties present.

##### CONTACT INFORMATION:

- a) The PRIMARY POINT OF CONTACT is the RE at the **Field Engineering Division 858-627-3200**
- b) For Clarification of ENVIRONMENTAL REQUIREMENTS, it is also required to call RE and MMC at **858-627-3360**

**2. MMRP COMPLIANCE:** This Project, Project Tracking System (PTS) No. 255100, or for subsequent future projects the associated PTS No, shall conform to the mitigation requirements contained in the associated Environmental Document and implemented to the satisfaction of the DSD's ED, MMC and the City Engineer (RE). The requirements may not be reduced or changed but may be annotated (i.e. to explain when and how compliance is being met and location of verifying proof, etc.). Additional clarifying information may also be added to other relevant plan sheets and/or specifications as appropriate (i.e., specific locations, times of monitoring, methodology, etc.

**Note:**

Permit Holder's Representatives must alert RE and MMC if there are any discrepancies in the plans or notes, or any changes due to field conditions. All conflicts must be approved by RE and MMC BEFORE the work is performed.

- 3. OTHER AGENCY REQUIREMENTS:** Evidence that any other agency requirements or permits have been obtained or are in process shall be submitted to the RE and MMC for review and acceptance prior to the beginning of work or within one week of the Permit Holder obtaining documentation of those permits or requirements. Evidence shall include copies of permits, letters of resolution or other documentation issued by the responsible agency as applicable.
- 4. MONITORING EXHIBITS:** All consultants are required to submit, to RE and MMC, a monitoring exhibit on a 11x17 reduction of the appropriate construction plan, such as site plan, grading, landscape, etc., marked to clearly show the specific areas including the **LIMIT OF WORK**, scope of that discipline's work, and notes indicating when in the construction schedule that work will be performed. When necessary for clarification, a detailed methodology of how the work will be performed shall be included.
- 5. OTHER SUBMITTALS AND INSPECTIONS:** The Permit Holder/Owner's representative shall submit all required documentation, verification letters, and requests for all associated inspections to the RE and MMC for approval per the following schedule:

**Document Submittal/Inspection Checklist**

<i>Issue Area</i>	<i>Document submittal</i>	<i>Associated Inspection/Approvals/Note</i>
General	Consultant Qualification Letters	Prior to Pre-construction Mtg.
General	Consultant Const. Monitoring	Prior to or at Pre-Construction Mtg.
Biology	Biology Reports	Limit of Work Verification
Historical	Historical Reports	Historical observation (built envirnmt)
Archaeology	Archaeology Reports	Archaeology observation
Paleontology	Paleontology Reports	Paleontology observation
Final MMRP		Final MMRP Inspection

## SPECIFIC MMRP ISSUE AREA CONDITIONS/REQUIREMENTS:

**A. LAND USE [MULTIPLE SPECIES CONSERVATION PROGRAM (MSCP) For PROJECTS WITHIN 100 FEET OF THE MHPA]**

**I. Prior to Permit Issuance**

- A. Prior to issuance of any construction permit, the DSD Environmental Designee (ED) shall verify the Applicant has accurately represented the project's design in the Construction Documents (CDs) that are in conformance with the associated discretionary permit conditions and Exhibit "A", and also the City's Multi-Species Conservation Program (MSCP) Land Use Adjacency Guidelines for the Multiple Habitat Planning Area (MHPA), including identifying adjacency as the potential for direct/indirect impacts where applicable. In addition, all CDs where applicable shall show the following:
1. **Land Development / Grading / Boundaries** –MHPA boundaries on-site and adjacent properties shall be delineated on the CDs. The ED shall ensure that all grading is included within the development footprint, specifically manufactured slopes, disturbance, and development within or adjacent to the MHPA..
  2. **Drainage / Toxins** –All new and proposed parking lots and developed area in and adjacent to the MHPA shall be designed so they do not drain directly into the MHPA, All developed and paved areas must prevent the release of toxins, chemicals, petroleum products, exotic plant materials prior to release by incorporating the use of filtration devices, planted swales and/or planted detention/desiltation basins, or other approved permanent methods that are designed to minimize negative impacts, such as excessive water and toxins into the ecosystems of the MHPA.
  3. **Staging/storage, equipment maintenance, and trash** –All areas for staging, storage of equipment and materials, trash, equipment maintenance, and other construction related activities are within the development footprint. Provide a note on the plans that states: *"All construction related activity that may have potential for leakage or intrusion shall be monitored by the Qualified Biologist/Owners Representative to ensure there is no impact to the MHPA."*
  4. **Barriers** –All new development within or adjacent to the MHPA shall provide fencing or other City approved barriers along the MHPA boundaries to direct public access to appropriate locations, to reduce domestic animal predation, and to direct wildlife to appropriate corridor crossing. Permanent barriers may include, but are not limited to, fencing (6-foot black vinyl coated chain link or equivalent), walls, rocks/boulders, vegetated buffers, and signage for access, litter, and educational purposes.
  5. **Lighting** – All building, site, and landscape lighting adjacent to the MHPA shall be directed away from the preserve using proper placement and adequate shielding to protect sensitive habitat. Where necessary, light from traffic or other incompatible uses, shall be shielded from the MHPA through the utilization of including, but not limited to, earth berms, fences, and/or plant material.
  6. **Invasive Plants** – Plant species within 100 feet of the MHPA shall comply with the Landscape Regulations (LDC142.0400 and per table 142-04F, Revegetation and Irrigation Requirements) and be non invasive. Landscape plans shall include a note that states: *"The ongoing maintenance requirements of the property owner shall*

*prohibit the use of any planting that are invasive, per City Regulations, Standards, guidelines, etc., within 100 feet of the MHPA.”*

7. **Brush Management** –All new development adjacent to the MHPA is set back from the MHPA to provide the required Brush Management Zone (BMZ) 1 area (LDC Sec. 142.0412) within the development area and outside of the MHPA. BMZ 2 may be located within the MHPA and the BMZ 2 management shall be the responsibility of a HOA or other private entity.
8. **Noise**- Due to the site's location adjacent to or within the MHPA, construction noise that exceeds the maximum levels allowed shall be avoided, during the breeding seasons for protected avian species such as: *California Gnatcatcher (3/1-8/15)*; *Least Bell's vireo (3/15-9/15)*; and *Southwestern Willow Flycatcher (5/1-8/30)*. If construction is proposed during the breeding season for the species, U.S. Fish and Wildlife Service protocol surveys shall be required in order to determine species presence/absence. When applicable, adequate noise reduction measures shall be incorporated. Upon project submittal EAS shall determine which of the following project specific avian protocol surveys shall be required.

#### COASTAL CALIFORNIA GNATCATCHER

NO CLEARING, GRUBBING, GRADING, OR OTHER CONSTRUCTION ACTIVITIES SHALL OCCUR BETWEEN MARCH 1 AND AUGUST 15, THE BREEDING SEASON OF THE COASTAL CALIFORNIA GNATCATCHER, UNTIL THE FOLLOWING REQUIREMENTS HAVE BEEN MET TO THE SATISFACTION OF THE CITY MANAGER:

- a. A QUALIFIED BIOLOGIST (POSSESSING A VALID ENDANGERED SPECIES ACT SECTION 10(a)(1)(A) RECOVERY PERMIT) SHALL SURVEY THOSE HABITAT AREAS WITHIN ADJACENT TO THE MHPA THAT WOULD BE SUBJECT TO CONSTRUCTION NOISE LEVELS EXCEEDING 60 DECIBELS [dB(A)] HOURLY AVERAGE FOR THE PRESENCE OF THE COASTAL CALIFORNIA GNATCATCHER. SURVEYS FOR THE COASTAL CALIFORNIA GNATCATCHER SHALL BE CONDUCTED PURSUANT TO THE PROTOCOL SURVEY GUIDELINES ESTABLISHED BY THE U.S. FISH AND WILDLIFE SERVICE WITHIN THE BREEDING SEASON PRIOR TO THE COMMENCEMENT OF ANY CONSTRUCTION. IF GNATCATCHERS ARE PRESENT, THEN THE FOLLOWING CONDITIONS MUST BE MET:

BETWEEN MARCH 1 AND AUGUST 15, NO CLEARING, GRUBBING, OR GRADING OF OCCUPIED GNATCATCHER HABITAT SHALL BE PERMITTED. AREAS RESTRICTED FROM SUCH ACTIVITIES SHALL BE STAKED OR FENCED UNDER THE SUPERVISION OF A QUALIFIED BIOLOGIST; AND

1. BETWEEN MARCH 1 AND AUGUST 15, NO CONSTRUCTION ACTIVITIES SHALL OCCUR WITHIN ANY PORTION OF THE SITE WHERE CONSTRUCTION ACTIVITIES WOULD RESULT IN NOISE LEVELS EXCEEDING 60 dB(A) HOURLY AVERAGE AT THE EDGE OF OCCUPIED GNATCATCHER HABITAT. AN ANALYSIS SHOWING THAT NOISE GENERATED BY CONSTRUCTION

ACTIVITIES WOULD NOT EXCEED 60 dB(A) HOURLY AVERAGE AT THE EDGE OF OCCUPIED HABITAT MUST BE COMPLETED BY A QUALIFIED ACOUSTICIAN (POSSESSING CURRENT NOISE ENGINEER LICENSE OR REGISTRATION WITH MONITORING NOISE LEVEL EXPERIENCE WITH LISTED ANIMAL SPECIES) AND APPROVED BY THE CITY MANAGER AT LEAST TWO WEEKS PRIOR TO THE COMMENCEMENT OF CONSTRUCTION ACTIVITIES. PRIOR TO THE COMMENCEMENT OF CONSTRUCTION ACTIVITIES DURING THE BREEDING SEASON, AREAS RESTRICTED FROM SUCH ACTIVITIES SHALL BE STAKED OR FENCED UNDER THE SUPERVISION OF A QUALIFIED BIOLOGIST; OR

2. AT LEAST TWO WEEKS PRIOR TO THE COMMENCEMENT OF CONSTRUCTION ACTIVITIES, UNDER THE DIRECTION OF A QUALIFIED ACOUSTICIAN, NOISE ATTENUATION MEASURES (e.g., BERMS, WALLS) SHALL BE IMPLEMENTED TO ENSURE THAT NOISE LEVELS RESULTING FROM CONSTRUCTION ACTIVITIES WILL NOT EXCEED 60 dB(A) HOURLY AVERAGE AT THE EDGE OF HABITAT OCCUPIED BY THE COASTAL CALIFORNIA GNATCATCHER. CONCURRENT WITH THE COMMENCEMENT OF CONSTRUCTION ACTIVITIES AND THE CONSTRUCTION OF NECESSARY NOISE ATTENUATION FACILITIES, NOISE MONITORING\* SHALL BE CONDUCTED AT THE EDGE OF THE OCCUPIED HABITAT AREA TO ENSURE THAT NOISE LEVELS DO NOT EXCEED 60 dB(A) HOURLY AVERAGE. IF THE NOISE ATTENUATION TECHNIQUES IMPLEMENTED ARE DETERMINED TO BE INADEQUATE BY THE QUALIFIED ACOUSTICIAN OR BIOLOGIST, THEN THE ASSOCIATED CONSTRUCTION ACTIVITIES SHALL CEASE UNTIL SUCH TIME THAT ADEQUATE NOISE ATTENUATION IS ACHIEVED OR UNTIL THE END OF THE BREEDING SEASON (AUGUST 16).

\* Construction noise monitoring shall continue to be monitored at least twice weekly on varying days, or more frequently depending on the construction activity, to verify that noise levels at the edge of occupied habitat are maintained below 60 dB(A) hourly average or to the ambient noise level if it already exceeds 60 dB(A) hourly average. If not, other measures shall be implemented in consultation with the biologist and the City Manager, as necessary, to reduce noise levels to below 60 dB(A) hourly average or to the ambient noise level if it already exceeds 60 dB(A) hourly average. Such measures may include, but are not limited to, limitations on the placement of construction equipment and the simultaneous use of equipment.

- b. IF COASTAL CALIFORNIA GNATCATCHERS ARE NOT DETECTED DURING THE PROTOCOL SURVEY, THE QUALIFIED BIOLOGIST SHALL SUBMIT SUBSTANTIAL EVIDENCE TO THE CITY MANAGER AND APPLICABLE RESOURCE AGENCIES WHICH DEMONSTRATES WHETHER OR NOT MITIGATION MEASURES SUCH AS NOISE WALLS ARE NECESSARY BETWEEN MARCH 1 AND AUGUST 15 AS FOLLOWS:

1. IF THIS EVIDENCE INDICATES THE POTENTIAL IS HIGH FOR COASTAL CALIFORNIA GNATCATCHER TO BE PRESENT BASED ON HISTORICAL RECORDS OR SITE CONDITIONS, THEN CONDITION A.III SHALL BE ADHERED TO AS SPECIFIED ABOVE.
2. IF THIS EVIDENCE CONCLUDES THAT NO IMPACTS TO THIS SPECIES ARE ANTICIPATED, NO MITIGATION MEASURES WOULD BE NECESSARY.

LEAST BELL'S VIREO (State Endangered/Federally Endangered)

NO CLEARING, GRUBBING, GRADING, OR OTHER CONSTRUCTION ACTIVITIES SHALL OCCUR BETWEEN MARCH 15 AND SEPTEMBER 15, THE BREEDING SEASON OF THE LEAST BELL'S VIREO, UNTIL THE FOLLOWING REQUIREMENTS HAVE BEEN MET TO THE SATISFACTION OF THE CITY MANAGER:

- A. A QUALIFIED BIOLOGIST (POSSESSING A VALID ENDANGERED SPECIES ACT SECTION 10(a)(1)(A) RECOVERY PERMIT) SHALL SURVEY THOSE WETLAND AREAS THAT WOULD BE SUBJECT TO CONSTRUCTION NOISE LEVELS EXCEEDING 60 DECIBELS [dB(A)] HOURLY AVERAGE FOR THE PRESENCE OF THE LEAST BELL'S VIREO. SURVEYS FOR THE THIS SPECIES SHALL BE CONDUCTED PURSUANT TO THE PROTOCOL SURVEY GUIDELINES ESTABLISHED BY THE U.S. FISH AND WILDLIFE SERVICE WITHIN THE BREEDING SEASON PRIOR TO THE COMMENCEMENT OF CONSTRUCTION. IF THE LEAST BELL'S VIREO IS PRESENT, THEN THE FOLLOWING CONDITIONS MUST BE MET:

BETWEEN MARCH 15 AND SEPTEMBER 15, NO CLEARING, GRUBBING, OR GRADING OF OCCUPIED LEAST BELL'S VIREO HABITAT SHALL BE PERMITTED. AREAS RESTRICTED FROM SUCH ACTIVITIES SHALL BE STAKED OR FENCED UNDER THE SUPERVISION OF A QUALIFIED BIOLOGIST; AND

BETWEEN MARCH 15 AND SEPTEMBER 15, NO CONSTRUCTION ACTIVITIES SHALL OCCUR WITHIN ANY PORTION OF THE SITE WHERE CONSTRUCTION ACTIVITIES WOULD RESULT IN NOISE LEVELS EXCEEDING 60 dB(A) HOURLY AVERAGE AT THE EDGE OF OCCUPIED LEAST BELL'S VIREO OR HABITAT. AN ANALYSIS SHOWING THAT NOISE GENERATED BY CONSTRUCTION ACTIVITIES WOULD NOT EXCEED 60 dB(A) HOURLY AVERAGE AT THE EDGE OF OCCUPIED HABITAT MUST BE COMPLETED BY A QUALIFIED ACOUSTICIAN (POSSESSING CURRENT NOISE ENGINEER LICENSE OR REGISTRATION WITH MONITORING NOISE LEVEL EXPERIENCE WITH LISTED ANIMAL SPECIES) AND APPROVED BY THE CITY MANAGER AT LEAST TWO WEEKS PRIOR TO THE COMMENCEMENT OF CONSTRUCTION ACTIVITIES. PRIOR TO THE COMMENCEMENT OF ANY OF CONSTRUCTION ACTIVITIES DURING THE BREEDING SEASON, AREAS RESTRICTED FROM SUCH ACTIVITIES SHALL BE STAKED OR FENCED

UNDER THE SUPERVISION OF A QUALIFIED BIOLOGIST; OR

AT LEAST TWO WEEKS PRIOR TO THE COMMENCEMENT OF CONSTRUCTION ACTIVITIES, UNDER THE DIRECTION OF A QUALIFIED ACOUSTICIAN, NOISE ATTENUATION MEASURES (e.g., BERMS, WALLS) SHALL BE IMPLEMENTED TO ENSURE THAT NOISE LEVELS RESULTING FROM CONSTRUCTION ACTIVITIES WILL NOT EXCEED 60 dB(A) HOURLY AVERAGE AT THE EDGE OF HABITAT OCCUPIED BY THE LEAST BELL'S VIREO. CONCURRENT WITH THE COMMENCEMENT OF CONSTRUCTION ACTIVITIES AND THE CONSTRUCTION OF NECESSARY NOISE ATTENUATION FACILITIES, NOISE MONITORING\* SHALL BE CONDUCTED AT THE EDGE OF THE OCCUPIED HABITAT AREA TO ENSURE THAT NOISE LEVELS DO NOT EXCEED 60 dB(A) HOURLY AVERAGE. IF THE NOISE ATTENUATION TECHNIQUES IMPLEMENTED ARE DETERMINED

TO BE INADEQUATE BY THE QUALIFIED ACOUSTICIAN OR BIOLOGIST, THEN THE ASSOCIATED CONSTRUCTION ACTIVITIES SHALL CEASE UNTIL SUCH TIME THAT ADEQUATE NOISE ATTENUATION IS ACHIEVED OR UNTIL THE END OF THE BREEDING SEASON (SEPTEMBER 16).

\* Construction noise monitoring shall continue to be monitored at least twice weekly on varying days, or more frequently depending on the construction activity, to verify that noise levels at the edge of occupied habitat are maintained below 60 dB(A) hourly average or to the ambient noise level if it already exceeds 60 dB(A) hourly average. If not, other measures shall be implemented in consultation with the biologist and the City Manager, as necessary, to reduce noise levels to below 60 dB(A) hourly average or to the ambient noise level if it already exceeds 60 dB(A) hourly average. Such measures may include, but are not limited to, limitations on the placement of construction equipment and the simultaneous use of equipment.

- B. IF LEAST BELL'S VIREO ARE NOT DETECTED DURING THE PROTOCOL SURVEY, THE QUALIFIED BIOLOGIST SHALL SUBMIT SUBSTANTIAL EVIDENCE TO THE CITY MANAGER AND APPLICABLE RESOURCE AGENCIES WHICH DEMONSTRATES WHETHER OR NOT MITIGATION MEASURES SUCH AS NOISE WALLS ARE NECESSARY BETWEEN MARCH 15 AND SEPTEMBER 15 AS FOLLOWS:
- I. IF THIS EVIDENCE INDICATES THE POTENTIAL IS HIGH FOR LEAST BELL'S VIREO TO BE PRESENT BASED ON HISTORICAL RECORDS OR SITE CONDITIONS, THEN CONDITION A.III SHALL BE ADHERED TO AS SPECIFIED ABOVE.
  - II. IF THIS EVIDENCE CONCLUDES THAT NO IMPACTS TO THIS SPECIES ARE ANTICIPATED, NO MITIGATION MEASURES WOULD BE NECESSARY.

SOUTHWESTERN WILLOW FLYCATCHER (Federally Endangered)

1. Prior to the first reconstruction meeting, the City Manager (or appointed designee) shall verify that the following project requirements regarding the southwestern willow flycatcher are shown on the construction plans:

NO CLEARING, GRUBBING, GRADING, OR OTHER CONSTRUCTION ACTIVITIES SHALL OCCUR BETWEEN MAY 1 AND SEPTEMBER 1, THE BREEDING SEASON OF THE SOUTHWESTERN WILLOW FLYCATCHER, UNTIL

THE FOLLOWING REQUIREMENTS HAVE BEEN MET TO THE SATISFACTION OF THE CITY MANAGER:

- A. A QUALIFIED BIOLOGIST (POSSESSING A VALID ENDANGERED SPECIES ACT SECTION 10(a)(1)(A) RECOVERY PERMIT) SHALL SURVEY THOSE WETLAND AREAS THAT WOULD BE SUBJECT TO CONSTRUCTION NOISE LEVELS EXCEEDING 60 DECIBELS [dB(A)] HOURLY AVERAGE FOR THE PRESENCE OF THE SOUTHWESTERN WILLOW FLYCATCHER. SURVEYS FOR THIS SPECIES SHALL BE CONDUCTED PURSUANT TO THE PROTOCOL SURVEY GUIDELINES ESTABLISHED BY THE U.S. FISH AND WILDLIFE SERVICE WITHIN THE BREEDING SEASON PRIOR TO THE COMMENCEMENT OF ANY CONSTRUCTION. IF THE SOUTHWESTERN WILLOW FLYCATCHER IS PRESENT, THEN THE FOLLOWING CONDITIONS MUST BE MET:

BETWEEN MAY 1 AND SEPTEMBER 1, NO CLEARING, GRUBBING, OR GRADING OF OCCUPIED SOUTHWESTERN WILLOW FLYCATCHER HABITAT SHALL BE PERMITTED. AREAS RESTRICTED FROM SUCH ACTIVITIES SHALL BE STAKED OR FENCED UNDER THE SUPERVISION OF A QUALIFIED BIOLOGIST; AND

BETWEEN MAY 1 AND SEPTEMBER 1, NO CONSTRUCTION ACTIVITIES SHALL OCCUR WITHIN ANY PORTION OF THE SITE WHERE CONSTRUCTION ACTIVITIES WOULD RESULT IN NOISE LEVELS EXCEEDING 60 dB(A) HOURLY AVERAGE AT THE EDGE OF OCCUPIED SOUTHWESTERN WILLOW FLYCATCHER HABITAT. AN ANALYSIS SHOWING THAT NOISE GENERATED BY CONSTRUCTION ACTIVITIES WOULD NOT EXCEED 60 dB(A) HOURLY AVERAGE AT THE EDGE OF OCCUPIED HABITAT MUST BE COMPLETED BY A QUALIFIED ACOUSTICIAN (POSSESSING CURRENT NOISE ENGINEER LICENSE OR REGISTRATION WITH MONITORING NOISE LEVEL EXPERIENCE WITH LISTED ANIMAL SPECIES) AND APPROVED BY THE CITY MANAGER AT LEAST TWO WEEKS PRIOR TO THE COMMENCEMENT OF CONSTRUCTION ACTIVITIES. PRIOR TO THE COMMENCEMENT OF CONSTRUCTION ACTIVITIES DURING THE BREEDING SEASON, AREAS RESTRICTED FROM SUCH ACTIVITIES SHALL BE STAKED OR FENCED UNDER THE SUPERVISION OF A QUALIFIED BIOLOGIST; OR AT LEAST TWO WEEKS PRIOR TO THE COMMENCEMENT OF CONSTRUCTION ACTIVITIES, UNDER THE DIRECTION OF A QUALIFIED ACOUSTICIAN,

NOISE ATTENUATION MEASURES (e.g., BERMS, WALLS) SHALL BE IMPLEMENTED TO ENSURE THAT NOISE LEVELS RESULTING FROM CONSTRUCTION ACTIVITIES WILL NOT EXCEED 60 dB(A) HOURLY AVERAGE AT THE EDGE OF HABITAT OCCUPIED BY THE SOUTHWESTERN WILLOW FLYCATCHER. CONCURRENT WITH THE COMMENCEMENT OF CONSTRUCTION ACTIVITIES AND THE CONSTRUCTION OF NECESSARY NOISE ATTENUATION FACILITIES, NOISE MONITORING\* SHALL BE CONDUCTED AT THE EDGE OF THE OCCUPIED HABITAT AREA TO ENSURE THAT NOISE LEVELS DO NOT EXCEED 60 dB(A) HOURLY AVERAGE. IF THE NOISE ATTENUATION TECHNIQUES IMPLEMENTED ARE DETERMINED TO BE INADEQUATE BY THE QUALIFIED ACOUSTICIAN OR BIOLOGIST, THEN THE ASSOCIATED CONSTRUCTION ACTIVITIES SHALL CEASE UNTIL SUCH TIME THAT ADEQUATE NOISE ATTENUATION IS ACHIEVED OR UNTIL THE END OF THE BREEDING SEASON (SEPTEMBER 1).

\* Construction noise monitoring shall continue to be monitored at least twice weekly on varying days, or more frequently depending on the construction activity, to verify that noise levels at the edge of occupied habitat are maintained below 60 dB(A) hourly average or to the ambient noise level if it already exceeds 60 dB(A) hourly average. If not, other measures shall be implemented in consultation with the biologist and the City Manager, as necessary, to reduce noise levels to below 60 dB(A) hourly average or to the ambient noise level if it already exceeds 60 dB(A) hourly average. Such measures may include, but are not limited to, limitations on the placement of construction equipment and the simultaneous use of equipment.

- B. IF SOUTHWESTERN WILLOW FLYCATCHER ARE NOT DETECTED DURING THE PROTOCOL SURVEY, THE QUALIFIED BIOLOGIST SHALL SUBMIT SUBSTANTIAL EVIDENCE TO THE CITY MANAGER AND APPLICABLE RESOURCE AGENCIES WHICH DEMONSTRATES WHETHER OR NOT MITIGATION MEASURES SUCH AS NOISE WALLS ARE NECESSARY BETWEEN MAY 1 AND SEPTEMBER 1 AS FOLLOWS:
  - I. IF THIS EVIDENCE INDICATES THE POTENTIAL IS HIGH FOR SOUTHWESTERN WILLOW FLYCATCHER TO BE PRESENT BASED ON HISTORICAL RECORDS OR SITE CONDITIONS, THEN CONDITION A.III SHALL BE ADHERED TO AS SPECIFIED ABOVE.
  - II. IF THIS EVIDENCE CONCLUDES THAT NO IMPACTS TO THIS SPECIES ARE ANTICIPATED, NO MITIGATION MEASURES WOULD BE NECESSARY.

## II. Prior to Start of Construction

### A. Preconstruction Meeting

The Qualified Biologist/Owners Representative shall incorporate all MHPA construction related requirements, into the project's Biological Monitoring Exhibit (BME).

The Qualified Biologist/Owners Representative is responsible to arrange and perform a focused pre-con with all contractors, subcontractors, and all workers involved in grading or other construction activities that discusses the sensitive nature of the adjacent sensitive biological resources.

### III. During Construction

- A. The Qualified Biologist/Owners Representative, shall verify that all construction related activities taking place ~~within or~~ adjacent to the MHPA are consistent with the CDs, the MSCP/MHPA Land Use Adjacency Guidelines. The Qualified Biologist/Owners Representative shall monitor and ensure that:
1. **Land Development /Grading Boundaries** - The MHPA boundary and the limits of grading shall be clearly delineated by a survey crew prior to brushing, clearing, or grading. Limits shall be defined with orange construction fence and a siltation fence (can be combined) under the supervision of the Qualified Biologist/Owners Representative who shall provide a letter of verification to RE/MMC that all limits were marked as required. ~~Within or a~~Adjacent to the MHPA, all manufactured slopes associated with site development shall be included within the development footprint.
  2. **Drainage/Toxics** - No Direct drainage into the MHPA shall occur during or after construction and that filtration devices, swales and/or detention/desiltation basins that drain into the MHPA are functioning properly during construction, and that permanent maintenance after construction is addressed. These systems should be maintained approximately once a year, or as often a needed, to ensure proper functioning. Maintenance should include dredging out sediments if needed, removing exotic plant materials, and adding chemical-neutralizing compounds (e.g. clay compounds) when necessary and appropriate.
  3. **Staging/storage, equipment maintenance, and trash** - Identify all areas for staging, storage of equipment and materials, trash, equipment maintenance, and other construction related activities on the monitoring exhibits and verify that they are within the development footprint. Comply with the applicable notes on the plans
  - 4 **Barriers** - New development adjacent to the MHPA provides city approved barriers along the MHPA boundaries
  5. **Lighting** - Periodic night inspections are performed to verify that all lighting adjacent to the MHPA is directed away from preserve areas and appropriate placement and shielding is used.
  6. **Invasives** - No invasive plant species are used ~~in or~~ adjacent (within 100 feet) to the MHPA ~~and that within the MHPA, all plant species must be native.~~
  7. **Brush Management** - BMZ1 is within the development footprint and outside of the MHPA, and that maintenance responsibility for the BMZ 2 located within the MHPA is identified as the responsibility of an HOA or other private entity.
  8. **Noise** - For any area of the site that is adjacent to ~~or within~~ the MHPA, construction noise that exceeds the maximum levels allowed, shall be avoided, during the breeding seasons, for protected avian species such as: *California Gnatcatcher* (3/1-8/15); *Least Bell's vireo* (3/15-9/15); and *Southwestern Willow Flycatcher* (5/1-8/30). If construction is proposed during the breeding season for the species, U.S. Fish and Wildlife Service protocol surveys will be required in order to determine species presence/absence. When applicable, adequate noise reduction measures shall

be incorporated.

#### IV. Post Construction

##### A. Preparation and Submittal of Monitoring Report

The Qualified Biologist/Owners Representative shall submit a final biological monitoring report to the RE/MMC within 30 days of the completion of construction that requires monitoring. The report shall incorporate the results of the MMRP/MSCP requirements per the construction documents and the BME to the satisfaction of RE/MMC.

##### B. HISTORICAL RESOURCES (ARCHAEOLOGY)

##### Prior to Permit Issuance or Bid Opening/Bid Award

##### A. Entitlements Plan Check

1. Prior to permit issuance or Bid Opening/Bid Award, whichever is applicable, the Assistant Deputy Director (ADD) Environmental designee shall verify that the requirements for Archaeological Monitoring and Native American monitoring have been noted on the applicable construction documents through the plan check process.

##### B. Letters of Qualification have been submitted to ADD

1. Prior to Bid Award, the applicant shall submit a letter of verification to Mitigation Monitoring Coordination (MMC) identifying the Principal Investigator (PI) for the project and the names of all persons involved in the archaeological monitoring program, as defined in the City of San Diego Historical Resources Guidelines (HRG). If applicable, individuals involved in the archaeological monitoring program must have completed the 40-hour HAZWOPER training with certification documentation.
2. MMC will provide a letter to the applicant confirming the qualifications of the PI and all persons involved in the archaeological monitoring of the project meet the qualifications established in the HRG.
3. Prior to the start of work, the applicant must obtain written approval from MMC for any personnel changes associated with the monitoring program.

#### II. Prior to Start of Construction

##### A. Verification of Records Search

1. The PI shall provide verification to MMC that a site specific records search (1/4 mile radius) has been completed. Verification includes, but is not limited to a copy of a confirmation letter from South Coastal Information Center, or, if the search was in-house, a letter of verification from the PI stating that the search was completed.
2. The letter shall introduce any pertinent information concerning expectations and probabilities of discovery during trenching and/or grading activities.
3. The PI may submit a detailed letter to MMC requesting a reduction to the 1/4 mile radius.

##### B. PI Shall Attend Precon Meetings

1. Prior to beginning any work that requires monitoring; the Applicant shall arrange a Precon Meeting that shall include the PI, Native American consultant/monitor (where Native American resources may be impacted), Construction Manager (CM)

and/or Grading Contractor, Resident Engineer (RE), Building Inspector (BI), if appropriate, and MMC. The qualified Archaeologist and Native American Monitor shall attend any grading/excavation related Precon Meetings to make comments and/or suggestions concerning the Archaeological Monitoring program with the Construction Manager and/or Grading Contractor.

- a. If the PI is unable to attend the Precon Meeting, the Applicant shall schedule a focused Precon Meeting with MMC, the PI, RE, CM or BI, if appropriate, prior to the start of any work that requires monitoring.
2. Acknowledgement of Responsibility for Curation (CIP or Other Public Projects)  
The applicant shall submit a letter to MMC acknowledging their responsibility for the cost of curation associated with all phases of the archaeological monitoring program.
  3. Identify Areas to be Monitored
    - b. Prior to the start of any work that requires monitoring, the PI shall submit an Archaeological Monitoring Exhibit (AME) (with verification that the AME has been reviewed and approved by the Native American consultant/monitor when Native American resources may be impacted) based on the appropriate construction documents (reduced to 11x17) to MMC identifying the areas to be monitored including the delineation of grading/excavation limits.
    - c. The AME shall be based on the results of a site specific records search as well as information regarding the age of existing pipelines, laterals and associated appurtenances and/or any known soil conditions (native or formation).
    - d. MMC shall notify the PI that the AME has been approved.
  4. When Monitoring Will Occur
    - a. Prior to the start of any work, the PI shall also submit a construction schedule to MMC through the RE indicating when and where monitoring will occur.
    - b. The PI may submit a detailed letter to MMC prior to the start of work or during construction requesting a modification to the monitoring program. This request shall be based on relevant information such as review of final construction documents which indicate conditions such as age of existing pipe to be replaced, depth of excavation and/or site graded to bedrock, etc., which may reduce or increase the potential for resources to be present.
  5. Approval of AME and Construction Schedule  
After approval of the AME by MMC, the PI shall submit to MMC written authorization of the AME and Construction Schedule from the CM.

### III. During Construction

#### A. Monitor Shall be Present During Grading/Excavation/Trenching

1. The Archaeological Monitor shall be present full-time during all soil disturbing and grading/excavation/trenching activities which could result in impacts to archaeological resources as identified on the AME. **The Construction Manager is responsible for notifying the RE, PI, and MMC of changes to any construction activities such as in the case of a potential safety concern within the area being monitored. In certain circumstances OSHA safety requirements may necessitate modification of the AME.**
2. The Native American consultant/monitor shall determine the extent of their presence during soil disturbing and grading/excavation/trenching activities based on the AME and provide that information to the PI and MMC. If prehistoric resources are

encountered during the Native American consultant/monitor's absence, work shall stop and the Discovery Notification Process detailed in Section III.B-C and IV.A-D shall commence.

3. The PI may submit a detailed letter to MMC during construction requesting a modification to the monitoring program when a field condition such as modern disturbance post-dating the previous grading/trenching activities, presence of fossil formations, or when native soils are encountered that may reduce or increase the potential for resources to be present.
4. The archaeological and Native American consultant/monitor shall document field activity via the Consultant Site Visit Record (CSVR). The CSVR's shall be faxed by the CM to the RE the first day of monitoring, the last day of monitoring, monthly (**Notification of Monitoring Completion**), and in the case of ANY discoveries. The RE shall forward copies to MMC.

#### B. Discovery Notification Process

1. In the event of a discovery, the Archaeological Monitor shall direct the contractor to temporarily divert all soil disturbing activities, including but not limited to digging, trenching, excavating or grading activities in the area of discovery and in the area reasonably suspected to overlay adjacent resources and immediately notify the RE or BI, as appropriate.
2. The Monitor shall immediately notify the PI (unless Monitor is the PI) of the discovery.
3. The PI shall immediately notify MMC by phone of the discovery, and shall also submit written documentation to MMC within 24 hours by fax or email with photos of the resource in context, if possible.
4. No soil shall be exported off-site until a determination can be made regarding the significance of the resource specifically if Native American resources are encountered.

#### C. Determination of Significance

1. The PI and Native American consultant/monitor, where Native American resources are discovered shall evaluate the significance of the resource. If Human Remains are involved, follow protocol in Section IV below.
  - a. The PI shall immediately notify MMC by phone to discuss significance determination and shall also submit a letter to MMC indicating whether additional mitigation is required.
  - b. If the resource is significant, the PI shall submit an Archaeological Data Recovery Program (ADRP) and obtain written approval of the program from MMC, CM and RE. ADRP and any mitigation must be approved by MMC, RE and/or CM before ground disturbing activities in the area of discovery will be allowed to resume. **Note: If a unique archaeological site is also an historical resource as defined in CEQA Section 15064.5, then the limits on the amount(s) that a project applicant may be required to pay to cover mitigation costs as indicated in CEQA Section 21083.2 shall not apply.**
    - (1). Note: For pipeline trenching and other linear projects in the public Right-of-Way, the PI shall implement the Discovery Process for Pipeline Trenching projects identified below under "D."
  - c. If the resource is not significant, the PI shall submit a letter to MMC indicating that artifacts will be collected, curated, and documented in the Final Monitoring Report. The letter shall also indicate that that no further work is required.

- (1). Note: For Pipeline Trenching and other linear projects in the public Right-of-Way, if the deposit is limited in size, both in length and depth; the information value is limited and is not associated with any other resource; and there are no unique features/artifacts associated with the deposit, the discovery should be considered not significant.
- (2). Note, for Pipeline Trenching and other linear projects in the public Right-of-Way, if significance cannot be determined, the Final Monitoring Report and Site Record (DPR Form 523A/B) shall identify the discovery as Potentially Significant.

**D. Discovery Process for Significant Resources - Pipeline Trenching and other Linear Projects in the Public Right-of-Way**

The following procedure constitutes adequate mitigation of a significant discovery encountered during pipeline trenching activities or for other linear project types within the Public Right-of-Way including but not limited to excavation for jacking pits, receiving pits, laterals, and manholes to reduce impacts to below a level of significance:

1. Procedures for documentation, curation and reporting
  - a. One hundred percent of the artifacts within the trench alignment and width shall be documented in-situ, to include photographic records, plan view of the trench and profiles of side walls, recovered, photographed after cleaning and analyzed and curated. The remainder of the deposit within the limits of excavation (trench walls) shall be left intact.
  - b. The PI shall prepare a Draft Monitoring Report and submit to MMC via the RE as indicated in Section VI-A.
  - c. The PI shall be responsible for recording (on the appropriate State of California Department of Park and Recreation forms-DPR 523 A/B) the resource(s) encountered during the Archaeological Monitoring Program in accordance with the City's Historical Resources Guidelines. The DPR forms shall be submitted to the South Coastal Information Center for either a Primary Record or SDI Number and included in the Final Monitoring Report.
  - d. The Final Monitoring Report shall include a recommendation for monitoring of any future work in the vicinity of the resource.

**IV. Discovery of Human Remains**

If human remains are discovered, work shall halt in that area and no soil shall be exported off-site until a determination can be made regarding the provenance of the human remains; and the following procedures as set forth in CEQA Section 15064.5(e), the California Public Resources Code (Sec. 5097.98) and State Health and Safety Code (Sec. 7050.5) shall be undertaken:

**A. Notification**

1. Archaeological Monitor shall notify the RE or BI as appropriate, MMC, and the PI, if the Monitor is not qualified as a PI. MMC will notify the appropriate Senior Planner in the Environmental Analysis Section (EAS) of the Development Services Department to assist with the discovery notification process.
2. The PI shall notify the Medical Examiner after consultation with the RE, either in person or via telephone.

**B. Isolate discovery site**

1. Work shall be directed away from the location of the discovery and any nearby area reasonably suspected to overlay adjacent human remains until a determination can

be made by the Medical Examiner in consultation with the PI concerning the provenience of the remains.

2. The Medical Examiner, in consultation with the PI, will determine the need for a field examination to determine the provenience.
3. If a field examination is not warranted, the Medical Examiner will determine with input from the PI, if the remains are or are most likely to be of Native American origin.

C. If Human Remains **ARE** determined to be Native American

1. The Medical Examiner will notify the Native American Heritage Commission (NAHC) within 24 hours. By law, **ONLY** the Medical Examiner can make this call.
2. NAHC will immediately identify the person or persons determined to be the Most Likely Descendent (MLD) and provide contact information.
3. The MLD will contact the PI within 24 hours or sooner after the Medical Examiner has completed coordination, to begin the consultation process in accordance with CEQA Section 15064.5(e), the California Public Resources and Health & Safety Codes.
4. The MLD will have 48 hours to make recommendations to the property owner or representative, for the treatment or disposition with proper dignity, of the human remains and associated grave goods.
5. Disposition of Native American Human Remains will be determined between the MLD and the PI, and, if:
  - a. The NAHC is unable to identify the MLD, OR the MLD failed to make a recommendation within 48 hours after being notified by the Commission, OR;
  - b. The landowner or authorized representative rejects the recommendation of the MLD and mediation in accordance with PRC 5097.94 (k) by the NAHC fails to provide measures acceptable to the landowner, THEN
  - c. To protect these sites, the landowner shall do one or more of the following:
    - (1) Record the site with the NAHC;
    - (2) Record an open space or conservation easement; or
    - (3) Record a document with the County.
  - d. Upon the discovery of multiple Native American human remains during a ground disturbing land development activity, the landowner may agree that additional conferral with descendants is necessary to consider culturally appropriate treatment of multiple Native American human remains. Culturally appropriate treatment of such a discovery may be ascertained from review of the site utilizing cultural and archaeological standards. Where the parties are unable to agree on the appropriate treatment measures the human remains and items associated and buried with Native American human remains shall be reinterred with appropriate dignity, pursuant to Section 5.c., above.

D. If Human Remains are **NOT** Native American

1. The PI shall contact the Medical Examiner and notify them of the historic era context of the burial.
2. The Medical Examiner will determine the appropriate course of action with the PI and City staff (PRC 5097.98).
3. If the remains are of historic origin, they shall be appropriately removed and conveyed to the San Diego Museum of Man for analysis. The decision for internment of the human remains shall be made in consultation with MMC, EAS, the applicant/landowner, any known descendant group, and the San Diego Museum of

## V. Night and/or Weekend Work

- A. If night and/or weekend work is included in the contract
1. When night and/or weekend work is included in the contract package, the extent and timing shall be presented and discussed at the precon meeting.
  2. The following procedures shall be followed.
    - a. No Discoveries  
In the event that no discoveries were encountered during night and/or weekend work, the PI shall record the information on the CSVR and submit to MMC via fax by 8AM of the next business day.
    - b. Discoveries  
All discoveries shall be processed and documented using the existing procedures detailed in Sections III - During Construction, and IV – Discovery of Human Remains. Discovery of human remains shall always be treated as a significant discovery.
    - c. Potentially Significant Discoveries  
If the PI determines that a potentially significant discovery has been made, the procedures detailed under Section III - During Construction and IV-Discovery of Human Remains shall be followed.
    - d. The PI shall immediately contact the RE and MMC, or by 8AM of the next business day to report and discuss the findings as indicated in Section III-B, unless other specific arrangements have been made.
- B. If night and/or weekend work becomes necessary during the course of construction
1. The Construction Manager shall notify the RE, or BI, as appropriate, a minimum of 24 hours before the work is to begin.
  2. The RE, or BI, as appropriate, shall notify MMC immediately.
- C. All other procedures described above shall apply, as appropriate.

## VI. Post Construction

- A. Submittal of Draft Monitoring Report
1. The PI shall submit two copies of the Draft Monitoring Report (even if negative), prepared in accordance with the Historical Resources Guidelines (Appendix C/D) which describes the results, analysis, and conclusions of all phases of the Archaeological Monitoring Program (with appropriate graphics) to MMC via the RE for review and approval within 90 days following the completion of monitoring. **It should be noted that if the PI is unable to submit the Draft Monitoring Report within the allotted 90-day timeframe as a result of delays with analysis, special study results or other complex issues, a schedule shall be submitted to MMC establishing agreed due dates and the provision for submittal of monthly status reports until this measure can be met.**
    - a. For significant archaeological resources encountered during monitoring, the Archaeological Data Recovery Program or Pipeline Trenching Discovery Process shall be included in the Draft Monitoring Report.
    - b. Recording Sites with State of California Department of Parks and Recreation  
The PI shall be responsible for recording (on the appropriate State of California Department of Park and Recreation forms-DPR 523 A/B) any significant or potentially significant resources encountered during the Archaeological Monitoring Program in accordance with the City's Historical Resources Guidelines, and submittal of such forms to the South Coastal Information Center with the Final Monitoring Report.

2. MMC shall return the Draft Monitoring Report to the PI via the RE for revision or, for preparation of the Final Report.
  3. The PI shall submit revised Draft Monitoring Report to MMC via the RE for approval.
  4. MMC shall provide written verification to the PI of the approved report.
  5. MMC shall notify the RE or BI, as appropriate, of receipt of all Draft Monitoring Report submittals and approvals.
- B. Handling of Artifacts
1. The PI shall be responsible for ensuring that all cultural remains collected are cleaned and catalogued
  2. The PI shall be responsible for ensuring that all artifacts are analyzed to identify function and chronology as they relate to the history of the area; that faunal material is identified as to species; and that specialty studies are completed, as appropriate.
- C. Curation of artifacts: Accession Agreement and Acceptance Verification
1. The PI shall be responsible for ensuring that all artifacts associated with the survey, testing and/or data recovery for this project are permanently curated with an appropriate institution. This shall be completed in consultation with MMC and the Native American representative, as applicable.
  2. When applicable to the situation, the PI shall include written verification from the Native American consultant/monitor indicating that Native American resources were treated in accordance with state law and/or applicable agreements. If the resources were reinterred, verification shall be provided to show what protective measures were taken to ensure no further disturbance occurs in accordance with Section IV – Discovery of Human Remains, Subsection C.
  3. The PI shall submit the Accession Agreement and catalogue record(s) to the RE or BI, as appropriate for donor signature with a copy submitted to MMC.
  4. The RE or BI, as appropriate shall obtain signature on the Accession Agreement and shall return to PI with copy submitted to MMC.
  5. The PI shall include the Acceptance Verification from the curation institution in the Final Monitoring Report submitted to the RE or BI and MMC.
- D. Final Monitoring Report(s)
1. The PI shall submit one copy of the approved Final Monitoring Report to the RE or BI as appropriate, and one copy to MMC (even if negative), within 90 days after notification from MMC of the approved report.
  2. The RE shall, in no case, issue the Notice of Completion until receiving a copy of the approved Final Monitoring Report from MMC which includes the Acceptance Verification from the curation institution.

## C. PALEONTOLOGICAL RESOURCES

### I. Prior to Permit Issuance or Bid Opening/Bid Award

- A. Entitlements Plan Check
1. Prior to permit issuance or Bid Opening/Bid Award, whichever is applicable, the Assistant Deputy Director (ADD) Environmental designee shall verify that the requirements for Paleontological Monitoring have been noted on the appropriate construction documents.
- B. Letters of Qualification have been submitted to ADD
1. Prior to Bid Award, the applicant shall submit a letter of verification to Mitigation Monitoring Coordination (MMC) identifying the Principal Investigator (PI) for the

project and the names of all persons involved in the paleontological monitoring program, as defined in the City of San Diego Paleontology Guidelines.

2. MMC will provide a letter to the applicant confirming the qualifications of the PI and all persons involved in the paleontological monitoring of the project.
3. Prior to the start of work, the applicant shall obtain approval from MMC for any personnel changes associated with the monitoring program.

## II. Prior to Start of Construction

### A. Verification of Records Search

1. The PI shall provide verification to MMC that a site specific records search has been completed. Verification includes, but is not limited to a copy of a confirmation letter from San Diego Natural History Museum, other institution or, if the search was in-house, a letter of verification from the PI stating that the search was completed.
2. The letter shall introduce any pertinent information concerning expectations and probabilities of discovery during trenching and/or grading activities.

### B. PI Shall Attend Precon Meetings

1. Prior to beginning any work that requires monitoring, the Applicant shall arrange a Precon Meeting that shall include the PI, Construction Manager (CM) and/or Grading Contractor, Resident Engineer (RE), Building Inspector (BI), if appropriate, and MMC. The qualified paleontologist shall attend any grading/excavation related Precon Meetings to make comments and/or suggestions concerning the Paleontological Monitoring program with the Construction Manager and/or Grading Contractor.
  - a. If the PI is unable to attend the Precon Meeting, the Applicant shall schedule a focused Precon Meeting with MMC, the PI, RE, CM or BI, if appropriate, prior to the start of any work that requires monitoring.
2. Acknowledgement of Responsibility for Curation (CIP or Other Public Projects)
 

The applicant shall submit a letter to MMC acknowledging their responsibility for the cost of curation associated with all phases of the paleontological monitoring program.
3. Identify Areas to be Monitored
  - a. Prior to the start of any work that requires monitoring, the PI shall submit a Paleontological Monitoring Exhibit (PME) based on the appropriate construction documents (reduced to 11x17) to MMC for approval identifying the areas to be monitored including the delineation of grading/excavation limits. Monitoring shall begin at depths below 10 feet from existing grade or as determined by the PI in consultation with MMC. The determination shall be based on site specific records search data which supports monitoring at depths less than ten feet.
    - b. The PME shall be based on the results of a site specific records search as well as information regarding existing known soil conditions (native or formation).
    - c. MMC shall notify the PI that the PME has been approved.
4. When Monitoring Will Occur
  - a. Prior to the start of any work, the PI shall also submit a construction schedule to MMC through the RE indicating when and where monitoring will occur.
  - b. The PI may submit a detailed letter to MMC prior to the start of work or during construction requesting a modification to the monitoring program. This request shall be based on relevant information such as review of final construction

documents which indicate conditions such as depth of excavation and/or site graded to bedrock, presence or absence of fossil resources, etc., which may reduce or increase the potential for resources to be present.

5. Approval of PME and Construction Schedule  
After approval of the PME by MMC, the PI shall submit to MMC written authorization of the PME and Construction Schedule from the CM.

### III. During Construction

#### A. Monitor Shall be Present During Grading/Excavation/Trenching

1. The monitor shall be present full-time during grading/excavation/trenching activities including, but not limited to mainline, laterals, jacking and receiving pits, services and all other appurtenances associated with underground utilities as identified on the PME that could result in impacts to formations with high and/or moderate resource sensitivity. **The Construction Manager is responsible for notifying the RE, PI, and MMC of changes to any construction activities such as in the case of a potential safety concern within the area being monitored. In certain circumstances OSHA safety requirements may necessitate modification of the PME.**
2. The PI may submit a detailed letter to MMC during construction requesting a modification to the monitoring program when a field condition such as trenching activities that do not encounter formational soils as previously assumed, and/or when unique/unusual fossils are encountered, which may reduce or increase the potential for resources to be present.
3. The monitor shall document field activity via the Consultant Site Visit Record (CSVSR). The CSVSR's shall be faxed by the CM to the RE the first day of monitoring, the last day of monitoring, monthly (**Notification of Monitoring Completion**), and in the case of ANY discoveries. The RE shall forward copies to MMC.

#### B. Discovery Notification Process

1. In the event of a discovery, the Paleontological Monitor shall direct the contractor to temporarily divert trenching activities in the area of discovery and immediately notify the RE or BI, as appropriate.
2. The Monitor shall immediately notify the PI (unless Monitor is the PI) of the discovery.
3. The PI shall immediately notify MMC by phone of the discovery, and shall also submit written documentation to MMC within 24 hours by fax or email with photos of the resource in context, if possible.

#### C. Determination of Significance

1. The PI shall evaluate the significance of the resource.
  - a. The PI shall immediately notify MMC by phone to discuss significance determination and shall also submit a letter to MMC indicating whether additional mitigation is required. The determination of significance for fossil discoveries shall be at the discretion of the PI.
  - b. If the resource is significant, the PI shall submit a Paleontological Recovery Program (PRP) and obtain written approval of the program from MMC, MC and/or RE. PRP and any mitigation must be approved by MMC, RE and/or CM before ground disturbing activities in the area of discovery will be allowed to resume.

- (1). Note: For pipeline trenching projects only, the PI shall implement the Discovery Process for Pipeline Trenching projects identified below under "D."
  - c. If resource is not significant (e.g., small pieces of broken common shell fragments or other scattered common fossils) the PI shall notify the RE, or BI as appropriate, that a non-significant discovery has been made. The Paleontologist shall continue to monitor the area without notification to MMC unless a significant resource is encountered.
  - d. The PI shall submit a letter to MMC indicating that fossil resources will be collected, curated, and documented in the Final Monitoring Report. The letter shall also indicate that no further work is required.
    - (1). Note: For Pipeline Trenching Projects Only. If the fossil discovery is limited in size, both in length and depth; the information value is limited and there are no unique fossil features associated with the discovery area, then the discovery should be considered not significant.
    - (2). Note, for Pipeline Trenching Projects Only: If significance can not be determined, the Final Monitoring Report and Site Record shall identify the discovery as Potentially Significant.
- D. Discovery Process for Significant Resources - Pipeline Trenching Projects**  
 The following procedure constitutes adequate mitigation of a significant discovery encountered during pipeline trenching activities including but not limited to excavation for jacking pits, receiving pits, laterals, and manholes to reduce impacts to below a level of significance.
1. Procedures for documentation, curation and reporting
    - a. One hundred percent of the fossil resources within the trench alignment and width shall be documented in-situ photographically, drawn in plan view (trench and profiles of side walls), recovered from the trench and photographed after cleaning, then analyzed and curated consistent with Society of Invertebrate Paleontology Standards. The remainder of the deposit within the limits of excavation (trench walls) shall be left intact and so documented.
    - b. The PI shall prepare a Draft Monitoring Report and submit to MMC via the RE as indicated in Section VI-A.
    - c. The PI shall be responsible for recording (on the appropriate forms for the San Diego Natural History Museum) the resource(s) encountered during the Paleontological Monitoring Program in accordance with the City's Paleontological Guidelines. The forms shall be submitted to the San Diego Natural History Museum and included in the Final Monitoring Report.
    - d. The Final Monitoring Report shall include a recommendation for monitoring of any future work in the vicinity of the resource.

#### **IV. Night and/or Weekend Work**

- A. If night and/or weekend work is included in the contract
  1. When night and/or weekend work is included in the contract package, the extent and timing shall be presented and discussed at the precon meeting.
  2. The following procedures shall be followed.
    - a. No Discoveries  
 In the event that no discoveries were encountered during night and/or weekend work, The PI shall record the information on the CSVN and submit to MMC via the RE via fax by 8AM on the next business day.

- b. Discoveries  
All discoveries shall be processed and documented using the existing procedures detailed in Sections III - During Construction.
  - c. Potentially Significant Discoveries  
If the PI determines that a potentially significant discovery has been made, the procedures detailed under Section III - During Construction shall be followed.
  - d. The PI shall immediately contact the RE and MMC, or by 8AM on the next business day to report and discuss the findings as indicated in Section III-B, unless other specific arrangements have been made.
- B. If night and/or weekend work becomes necessary during the course of construction
    - 1. The Construction Manager shall notify the RE, or BI, as appropriate, a minimum of 24 hours before the work is to begin.
    - 2. The RE, or BI, as appropriate, shall notify MMC immediately.
  - C. All other procedures described above shall apply, as appropriate.

## V. Post Construction

- A. Preparation and Submittal of Draft Monitoring Report
  - 1. The PI shall submit two copies of the Draft Monitoring Report (even if negative), prepared in accordance with the Paleontological Guidelines which describes the results, analysis, and conclusions of all phases of the Paleontological Monitoring Program (with appropriate graphics) to MMC via the RE for review and approval within 90 days following the completion of monitoring.
    - a. For significant paleontological resources encountered during monitoring, the Paleontological Recovery Program or Pipeline Trenching Discovery Process shall be included in the Draft Monitoring Report.
    - b. Recording Sites with the San Diego Natural History Museum  
The PI shall be responsible for recording (on the appropriate forms) any significant or potentially significant fossil resources encountered during the Paleontological Monitoring Program in accordance with the City's Paleontological Guidelines, and submittal of such forms to the San Diego Natural History Museum with the Final Monitoring Report.
  - 2. MMC shall return the Draft Monitoring Report to the PI via the RE for revision or, for preparation of the Final Report.
  - 3. The PI shall submit revised Draft Monitoring Report to MMC via the RE for approval.
  - 4. MMC shall provide written verification to the PI of the approved report.
  - 5. MMC shall notify the RE or BI, as appropriate, of receipt of all Draft Monitoring Report submittals and approvals.
- B. Handling of Fossil Remains
  - 1. The PI shall be responsible for ensuring that all fossil remains collected are cleaned and catalogued.
- C. Curation of artifacts: Deed of Gift and Acceptance Verification
  - 1. The PI shall be responsible for ensuring that all fossil remains associated with the monitoring for this project are permanently curated with an appropriate institution.
  - 2. The PI shall submit the Deed of Gift and catalogue record(s) to the RE or BI, as appropriate for donor signature with a copy submitted to MMC.
  - 3. The RE or BI, as appropriate shall obtain signature on the Deed of Gift and shall return to PI with copy submitted to MMC.

4. The PI shall include the Acceptance Verification from the curation institution in the Final Monitoring Report submitted to the RE or BI and MMC.

D. Final Monitoring Report(s)

1. The PI shall submit two copies of the Final Monitoring Report to MMC (even if negative), within 90 days after notification from MMC of the approved report.
2. The RE shall, in no case, issue the Notice of Completion until receiving a copy of the approved Final Monitoring Report from MMC which includes the Acceptance Verification from the curation institution.

**D. HISTORICAL RESOURCES (BUILT ENVIRONMENT)**

When a future project requires implementation of this mitigation measure, the following paragraph shall be included in the subsequent environmental document and applicable Historic District name, boundary and district guidelines, if applicable shall be inserted as noted below in [brackets]:

The project is located within the [[insert District name]] Historic District, bounded by [[enter District boundary]] All work within the District boundary must be consistent with the City's Historical Resources Regulations, the U.S. Secretary of the Interior's Standards and the [[enter district guidelines if applicable]] District Design Guidelines. The following mitigation measures are required within the District boundary and shall ensure consistency with these regulations, Standards and guidelines.

- A. Prior to beginning any work at the site, a Pre Construction meeting that includes Historic Resources and MMC staff shall be held at the project site to review these mitigation measures and requirements within the District boundary.
- B. A Historic Sidewalk Stamp Inventory prepared by a qualified historic consultant or archaeologist and approved by HRB staff is required prior to the Pre-Construction (Pre-Con) meeting. The Inventory shall include photo documentation of all existing stamps within the project area keyed to a project site plan.
- C. Existing sidewalk stamps shall be preserved in place. Where existing sidewalk stamps must be impacted to accommodate right-of-way improvements, the following actions are required:
  1. A mold of the sidewalk stamp will be made to allow reconstruction of the stamp if destroyed during relocation.
  2. The sidewalk stamp shall be saw-cut to preserve the stamp in its entirety; relocated as near as possible to the original location; and set in the same orientation.
  3. If the sidewalk stamp is destroyed during relocation, a new sidewalk stamp shall be made from the mold taken and relocated as near as possible to the original location and set in the same orientation.
- D. No new sidewalk stamps shall be added by any contactor working on the project.
- E. Existing historic sidewalk, parkway and street widths shall be maintained. Any work that requires alteration of these widths shall be approved by Historic Resources staff.
- F. Existing historic curb heights and appearance shall be maintained. Any work that requires alteration of the existing height or appearance shall be approved by Historic Resources staff.

- G. Sections of sidewalk which may be impacted by the project shall be replaced in-kind to match the historic color, texture and scoring pattern of the original sidewalks. If the original color, scoring pattern or texture is not present at the location of the impact, the historically appropriate color, texture and scoring pattern found throughout the district shall be used.
- H. Truncated domes used at corner curb ramps shall be dark gray in color.
- I. Existing historic lighting, such as acorn lighting shall remain. New lighting shall be consistent with existing lighting fixtures, or fixtures specified in any applicable District Design Guidelines.
- J. Existing mature street trees shall remain. New street trees shall be consistent with the prevalent mature species in the District and/or species specified in any applicable District Design Guidelines.
- K. Any walls located within the right-of-way or on private property are considered historic and may not be impacted without prior review and approval by Historic Resources staff.

VI. PUBLIC REVIEW DISTRIBUTION:

Draft copies or notice of this Mitigated Negative Declaration were distributed to:

United States Government

- Fish and Wildlife Service (23)
- MCAS Miramar (13)
- Naval Facilities Engineering Command Southwest (8)

State of California

- Department of Fish and Game (32A)
- State Clearing House (46)
- Resources Agency (43)
- Native American Heritage Commission (56)
- State Historic Preservation Officer (41)
- Regional Water Quality Control Board (44)
- Water Resources (45)
- Water Resources Control Board (55)
- Coastal Commission (48)
- Caltrans District 11 (31)

County of San Diego

- Department of Environmental Health (75)
- Planning and Land Use (68)
- Water Authority (73)

City of San Diego

- Office of the Mayor (91)
- Council President Young, District 4 (MS 10A)
- Councilmember Lightner, District 1 (MS 10A)
- Councilmember Faulconer, District 2 (MS 10A)
- Councilmember Gloria, District 3 (MS 10A)
- Councilmember DeMaio, District 5 (MS 10A)

Councilmember Zapf, District 6 (MS 10A)  
Councilmember Emerald, District 7 (MS 10A)  
Councilmember Alvarez, District 8 (MS 10A)  
Historical Resource Board (87)  
City Attorney (MS 56A)  
    Shannon Thomas (MS 93C)  
Engineering and Capital Projects  
    Marc Cass (MS 908A)  
    Allison Sherwood (MS 908A)  
    Matthew DeBeliso (MS 908A)  
    Akram Bassyouni (MS 908A)  
    Michael Ninh (MS 908A)  
    Roman Anissi (MS 908A)  
    Daniel Tittle (MS 908A)  
Development Services Department  
    Myra Herrmann (MS 501)  
    Kristen Forburger (MS 401)  
    Jeanne Krosch (MS 401)  
    Kelley Stanco (MS 501)  
Library Dept.-Gov. Documents MS 17 (81)  
    Balboa Branch Library (81B)  
    Beckwourth Branch Library (81C)  
    Benjamin Branch Library (81D)  
    Carmel Mountain Ranch Branch (81E)  
    Carmel Valley Branch Library (81F)  
    City Heights/Weingart Branch Library (81G)  
    Clairemont Branch Library (81H)  
    College-Rolando Branch Library (81I)  
    Kensington-Normal Heights Branch Library (81K)  
    La Jolla/Riford branch Library (81L)  
    Linda Vista Branch Library (81M)  
    Logan Heights Branch Library (81N)  
    Malcolm X Library & Performing Arts Center (81O)  
    Mira Mesa Branch Library (81P)  
    Mission Hills Branch Library (81Q)  
    Mission Valley Branch Library (81R)  
    North Clairemont Branch Library (81S)  
    North Park Branch Library (81T)  
    Oak Park Branch Library (81U)  
    Ocean Beach Branch Library (81V)  
    Otay Mesa-Nestor Branch Library (81W)  
    Pacific Beach/Taylor Branch Library (81X)  
    Paradise Hills Branch Library (81Y)  
    Point Loma/Hervey Branch Library (81Z)  
    Rancho Bernardo Branch Library (81AA)  
    Rancho Peñasquitos Branch Library (81BB)  
    San Carlos Branch Library (81DD)  
    San Ysidro Branch Library (81EE)  
    Scripps Miramar Ranch Branch Library (81FF)

Serra Mesa Branch Library (81GG)  
 Skyline Hills Branch Library (81HH)  
 Tierrasanta Branch Library (81II)  
 University Community Branch Library (81JJ)  
 University Heights Branch Library (81KK)  
 Malcolm A. Love Library (457)

### **Other Interested Individuals or Groups**

#### Community Planning Groups

Community Planners Committee (194)  
 Balboa Park Committee (226 + 226A)  
 Black Mountain Ranch – Subarea I (226C)  
 Otay Mesa - Nestor Planning Committee (228)  
 Otay Mesa Planning Committee (235)  
 Clairemont Mesa Planning Committee (248)  
 Greater Golden Hill Planning Committee (259)  
 Serra Mesa Planning Group (263A)  
 Kearny Mesa Community Planning Group (265)  
 Linda Vista Community Planning Committee (267)  
 La Jolla Community Planning Association (275)  
 City Heights Area Planning Committee (287)  
 Kensington-Talmadge Planning Committee (290)  
 Normal Heights Community Planning Committee (291)  
 Eastern Area Planning Committee (302)  
 North Bay Community Planning Group (307)  
 Mira Mesa Community Planning Group (310)  
 Mission Beach Precise Planning Board (325)  
 Mission Valley Unified Planning Organization (331)  
 Navajo Community Planners Inc. (336)  
 Carmel Valley Community Planning Board (350)  
 Del Mar Mesa Community Planning Board (361)  
 Greater North Park Planning Committee (363)  
 Ocean Beach Planning Board (367)  
 Old Town Community Planning Committee (368)  
 Pacific Beach Community Planning Committee (375)  
 Pacific Highlands Ranch – Subarea III (377A)  
 Rancho Peñasquitos Planning Board (380)  
 Peninsula Community Planning Board (390)  
 Rancho Bernardo Community Planning Board (400)  
 Sabre Springs Community Planning Group (406B)  
 Sabre Springs Community Planning Group (407)  
 San Pasqual - Lake Hodges Planning Group (426)  
 San Ysidro Planning and Development Group (433)  
 Scripps Ranch Community Planning Group (437)  
 Miramar Ranch North Planning Committee (439)  
 Skyline - Paradise Hills Planning Committee (443)  
 Torrey Hills Community Planning Board (444A)  
 Southeastern San Diego Planning Committee (449)

College Area Community Council (456)  
Tierrasanta Community Council (462)  
Torrey Highlands – Subarea IV (467)  
Torrey Pines Community Planning Group (469)  
University City Community Planning Group (480)  
Uptown Planners (498)

Town/Community Councils - PUBLIC NOTICE ONLY

Town Council Presidents Association (197)  
Harborview Community Council (246)  
Carmel Mountain Ranch Community Council (344)  
Clairemont Town Council (257)  
Serra Mesa Community Council (264)  
Rolando Community Council (288)  
Oak Park Community Council (298)  
Webster Community Council (301)  
Darnell Community Council (306)  
La Jolla Town Council (273)  
Mission Beach Town Council (326)  
Mission Valley Community Council (328 C)  
San Carlos Area Council (338)  
Ocean Beach Town Council, Inc. (367 A)  
Pacific Beach Town Council (374)  
Rancho Penasquitos Community Council (378)  
Rancho Bernardo Community Council, Inc. (398)  
Rancho Penasquitos Town Council (383)  
United Border Community Town Council (434)  
San Dieguito Planning Group (412)  
Murphy Canyon Community Council (463)

**Other Interested Individuals or Groups**

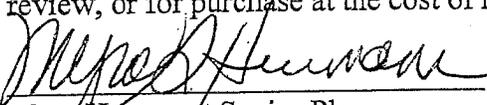
San Diego Unified Port District (109)  
San Diego County Regional Airport Authority (110)  
San Diego transit Corporation (112)  
San Diego Gas & Electric (114)  
Metropolitan Transit Systems (115)  
San Diego Unified School District (125/132)  
San Ysidro Unified School District (127)  
San Diego Community College District (133)  
The Beach and Bay Beacon News (137)  
Sierra Club (165)  
San Diego Canyonlands (165A)  
San Diego Natural History Museum (166)  
San Diego Audubon Society (167)  
Jim Peugh (167A)  
California Native Plant Society (170)  
San Diego Coastkeeper (173)  
Endangered Habitat League (182 and 182A)  
South Coastal Information Center @ San Diego State University (210)

San Diego Historical Society (211)  
Carmen Lucas (206)  
Clint Linton (215b)  
San Diego Archaeological Center (212)  
Save Our Heritage Organization (214)  
Ron Christman (215)  
Louie Guassac (215A)  
San Diego County Archaeological Society (218)  
Kumeyaay Cultural Heritage Preservation (223)  
Kumeyaay Cultural Repatriation Committee (225)  
Native American Distribution (NOTICE ONLY 225A-T)  
San Diego Historical Society (211)  
Theresa Acerro (230)  
Unified Port of San Diego (240)  
Centre City Development Corporation (242)  
Centre City Advisory Committee (243)  
Balboa Avenue CAC (246)  
Theresa Quiros (294)  
Fairmount Park Neighborhood Association (303)  
John Stump (304)  
San Diego Baykeeper (319)  
Debbie Knight (320)  
Mission Hills Heritage (497)

VII. RESULTS OF PUBLIC REVIEW:

- ( ) No comments were received during the public input period.
- ( ) Comments were received but did not address the draft Mitigated Negative Declaration finding or the accuracy/completeness of the Initial Study. No response is necessary. The letters are attached.
- (x) Comments addressing the findings of the draft Mitigated Negative Declaration and/or accuracy or completeness of the Initial Study were received during the public input period. The letters and responses follow.

Copies of the draft Mitigated Negative Declaration, the Mitigation, Monitoring and Reporting Program and any Initial Study material are available in the office of the Entitlements Division for review, or for purchase at the cost of reproduction.

  
Myra Herrmann, Senior Planner  
Development Services Department

September 14, 2011  
Date of Draft Report

October 24, 2011  
Date of Final Report

Analysts: J. Szymanski/M. Herrmann

Attachments:

- Figure 1 - Harbor Drive Pipeline Location Map
  - Figure 2 - Water Group 949 Site 1 Location Map
  - Figure 3- Water Group 949 Site 2 Location Map
  - Figure 4- Water Group 949 Site 3 Location Map
  - Figure 5- Sewer Group 787 Location Map
  - Figure 6- Water Group 914 Location Map
  - Figure 7- Sewer and Water Group 732 Location Map
  - Figure 8- Water Group 949-Site 2 with the MHPA
- Initial Study Checklist



STATE OF CALIFORNIA  
 Governor's Office of Planning and Research  
 State Clearinghouse and Planning Unit

Edmund G. Brown, Jr.  
 Governor



Ken Alex  
 Director

RESPONSE TO COMMENTS

CALIFORNIA STATE CLEARING HOUSE AND PLANNING UNIT (10/14/2011)

October 14, 2011

Jeffrey Szymanski  
 City of San Diego  
 1222 First Avenue, MS-501  
 San Diego, CA 92101

Subject: Citywide Pipeline Projects 2011  
 SCH#: 2011091045

Dear Jeffrey Szymanski:

The State Clearinghouse submitted the above named Mitigated Negative Declaration to selected state agencies for review. On the enclosed Document Details Report please note that the Clearinghouse has listed the state agencies that reviewed your document. The review period closed on October 13, 2011, and the comments from the responding agency (ies) is (are) enclosed. If this comment package is not in order, please notify the State Clearinghouse immediately. Please refer to the project's ten-digit State Clearinghouse number in future correspondence so that we may respond promptly.

Please note that Section 21104(c) of the California Public Resources Code states that:

"A responsible or other public agency shall only make substantive comments regarding those activities involved in a project which are within an area of expertise of the agency or which are required to be carried out or approved by the agency. Those comments shall be supported by specific documentation."

These comments are forwarded for use in preparing your final environmental document. Should you need more information or clarification of the enclosed comments, we recommend that you contact the commenting agency directly.

This letter acknowledges that you have complied with the State Clearinghouse review requirements for draft environmental documents, pursuant to the California Environmental Quality Act. Please contact the State Clearinghouse at (916) 445-0613 if you have any questions regarding the environmental review process.

Sincerely,  


Scott Morgan  
 Director, State Clearinghouse

Enclosures  
 cc: Resources Agency

1400 TENTH STREET, P.O. BOX 3044, SACRAMENTO, CALIFORNIA 95812-3044  
 TEL (916) 446-0613 FAX (916) 323-3018 www.spr.ca.gov

1. Comment acknowledged no response is necessary.

SCH# 2011091045  
 Citywide Pipeline Projects 2011  
 Lead Agency San Diego, City of

**Type** MND Mitigated Negative Declaration

**Description** Council Approval to allow the replacement, rehabilitation, relocation, point repair, new trenching, trenchless construction, and abandonment of water and/or sewer alignments and associated improvements such as curb ramps, sewer lateral connections, water service connections, manholes, new pavement/slurry, the removal and/or replacement of street trees and the removal and/or replacement of street lights. The construction footprint, including staging areas and other areas (such as access) should be located within the City of San Diego Public Right-of-Way and/or within public easements. The proposal may include planned pipeline construction within private easements from the PROW to the service connection. A signed agreement between the City and the property owner would be required for work conducted on private property. Project types that would be included in the analysis contained herein would consist of sewer and water group jobs, trunk sewers, large diameter water pipeline projects, manholes and other necessary appurtenances. All associated equipment would be staged in existing right-of-ways adjacent to the proposed work areas. The proposed project would not impact Sensitive Biological Resources or Environmentally Sensitive Lands (ESL) as defined by the Land Development Code and would not encroach into the City's Multi-Habitat Planning Area (MHPA). Applicant: The City of San Diego Engineering and Capital Projects Department AND Public Utilities Department.

This page has been intentionally left blank.

**Lead Agency Contact**

Name Jeffrey Szymanski  
 Agency City of San Diego  
 Phone 619 446 5324  
 email  
 Address 1222 First Avenue, MS-501  
 City San Diego State CA Zip 92101  
 Fax

**Project Location**

County San Diego  
 City San Diego  
 Region  
 Lat / Long  
 Cross Streets Citywide  
 Parcel No.  
 Township  
 Range  
 Section  
 Base

**Proximity to:**

Highways  
 Airports  
 Railways  
 Waterways  
 Schools  
 Land Use Citywide

**Project Issues** Archaeologic-Historic; Lenduse; Other Issues

**Reviewing Agencies** Resources Agency; California Coastal Commission; Department of Fish and Game, Region 5; Office of Historic Preservation; Department of Parks and Recreation; Department of Water Resources; Caltrans, Division of Aeronautics; California Highway Patrol; Caltrans, District 11; CA Department of Public Health; State Water Resources Control Board, Division of Financial Assistance; Regional Water Quality Control Board, Region 9; Native American Heritage Commission; Public Utilities Commission

Note: Blanks in data fields result from insufficient information provided by lead agency.

4 Date Received 09/14/2011 Start of Review 09/14/2011 End of Review 10/13/2011

RESPONSE TO COMMENTS

CALIFORNIA STATE CLEARING HOUSE AND PLANNING UNIT (10/14/2011)

This page has been intentionally left blank.

Note: Blanks in data fields result from insufficient information provided by lead agency.

DEPARTMENT OF TRANSPORTATION

DISTRICT 11  
PLANNING DIVISION  
4030 TAYLOR STREET, MS 240  
SAN DIEGO, CA 92110  
PHONE (619) 688-6960  
FAX (619) 688-4299  
TTY 711  
www.dtn.ca.gov

RESPONSE TO COMMENTS

RECEIVED  
SEP 29 2011  
STATE CLEARING HOUSE

DEPARTMENT OF TRANSPORTATION (9/28/2011)

September 28, 2011

11-SD-Var  
PM Various  
Citywide Pipeline Projects 2011  
SCH# 2011091045

Mr. Jeffrey Szymanski  
City of San Diego Development Services Center  
1222 First Avenue MS 501  
San Diego, CA 92101

(lead)  
11/16/10

Dear Mr. Szymanski:

The California Department of Transportation (Caltrans) appreciates the opportunity to comment on the Draft Mitigated Negative Declaration (MND) for the North-South District Interconnection System Project (Project). The project is identified in the MND to cross State Route 52 (SR-52) and State Route 94 (SR-94). Caltrans would like to submit the following comments:

Any work performed within Caltrans Right-of-Way (R/W) will require an approved encroachment permit by Caltrans. All Caltrans standards for utility encroachments shall be met.

Additionally, any work performed within Caltrans R/W must provide an approved final environmental document including the California Environmental Quality Act (CEQA) determination addressing any environmental impacts within the Caltrans' R/W, and any corresponding technical studies. If these materials are not included with the encroachment permit application, the applicant will be required to acquire and provide these to Caltrans before the permit application will be accepted. Identification of avoidance and/or mitigation measures will be a condition of the encroachment permit approval as well as procurement of any necessary regulatory and resource agency permits.

Additional information regarding encroachment permits may be obtained by contacting the Caltrans Permits Office at (619) 688-6158. Early coordination with Caltrans is strongly advised for all encroachment permit.

If you have any questions on the comments Caltrans has provided, please contact Marisa Hampton of the Development Review Branch at (619) 688-6954.

Sincerely,

*[Signature]*

JACOB ARMSTRONG, Chief  
Development Review Branch

"Caltrans improves mobility across California"

2. The comment letter has been forwarded to the applicant department and it is acknowledged that any work conducted within the Caltrans R/W will require an approved encroachment permit by Caltrans.

3. The applicant department acknowledges that they must provide the certified CEQA document to Caltrans prior to the approval of an encroachment permit.

Edmund G. Brown, Jr., Governor



clear  
10/13/2011  
8

RECEIVED  
SEP 29 2011  
STATE CLEARING HOUSE

September 27, 2011

Mr. Jeffrey Szymanski, Environmental Planner  
City of San Diego Development Services Department  
1222 First Avenue, MS 501  
San Diego, CA 92101

Re: SCH#2011091045: CEQA Notice of Completion, proposed Mitigated Negative Declaration for the "Citywide Pipeline Projects 2011, City Project No. 255100," located in the City of San Diego, San Diego County, California.

Dear Mr. Szymanski:

The Native American Heritage Commission (NAHC), the State of California Trustee Agency for the protection and preservation of Native American cultural resources pursuant to California Public Resources Code §21070 and affirmed by the Third Appellate Court in the case of EPIC v. Johnson (1985: 170 Cal App. 3<sup>rd</sup> 604). The NAHC wishes to comment on the proposed project.

This letter includes state and federal statutes relating to Native American historic properties of religious and cultural significance to American Indian tribes and interested Native American individuals as 'consulting parties' under both state and federal law. State law also addresses the freedom of Native American Religious Expression in Public Resources Code §5097.9.

The California Environmental Quality Act (CEQA - CA Public Resources Code 21000-21177, amendments effective 3/18/2010) requires that any project that causes a substantial adverse change in the significance of an historical resource, that includes archaeological resources, is a 'significant effect' requiring the preparation of an Environmental Impact Report (EIR) per the CEQA Guidelines defines a significant impact on the environment as a substantial, or potentially substantial, adverse change in any of physical conditions within an area affected by the proposed project, including ... objects of historic or aesthetic significance." In order to comply with this provision, the lead agency is required to assess whether the project will have an adverse impact on these resources within the 'area of potential effect (APE), and if so, to mitigate that effect. The NAHC Sacred Lands File (SLF) search resulted as follows: **Native American cultural resources were identified** in several areas of the City of San Diego.

The NAHC "Sacred Sites," as defined by the Native American Heritage Commission and the California Legislature in California Public Resources Code §§5097.94(a) and 5097.96. Items in the NAHC Sacred Lands Inventory are confidential and exempt from the Public Records Act pursuant to California Government Code §6254 (r).

Early consultation with Native American tribes in your area is the best way to avoid unanticipated discoveries of cultural resources or burial sites once a project is underway. Culturally affiliated tribes and individuals may have knowledge of the religious and cultural significance of the historic properties in the project area (e.g. APE). We strongly urge that you

RESPONSE TO COMMENTS

NATIVE AMERICAN HERITAGE COMMISSION (9/29/2011)

- 4. Comment noted. Staff acknowledges that Native American cultural resources have been identified within several areas of the City of San Diego. Archaeological and Native American monitoring has been included as mitigation within the MND and would preclude a substantial adverse change in the significance of historical resources.
- 5. Comment noted. The draft MND was sent to all individuals on the recommended list from the NAHC, with the exception of the Inter-Tribal Cultural Resource Council. This new group will be included in the distribution of the final MND and will also added to the City's list for distribution of draft environmental documents which include a discussion of archaeological and/or Native American cultural resources.

NATIVE AMERICAN HERITAGE COMMISSION (9/29/2011) continued

make contact with the list of Native American Contacts on the attached list of Native American contacts, to see if your proposed project might impact Native American cultural resources and to obtain their recommendations concerning the proposed project. Pursuant to CA Public Resources Code § 5097.95, the NAHC requests that the Native American consulting parties be provided pertinent project information. Consultation with Native American communities is also a matter of environmental justice as defined by California Government Code §65040.12(e). Pursuant to CA Public Resources Code §5097.95, the NAHC requests that pertinent project information be provided consulting tribal parties. The NAHC recommends *avoidance* as defined by CEQA Guidelines §15370(a) to pursuing a project that would damage or destroy Native American cultural resources and Section 2163.2 that requires documentation, data recovery of cultural resources.

Consultation with tribes and interested Native American consulting parties, on the NAHC list, should be conducted in compliance with the requirements of federal NEPA and Section 106 and 4(f) of federal NHPA (16 U.S.C. 470 *et seq.*), 36 CFR Part 800.3 (f) (2) & 5, the President's Council on Environmental Quality (CSQ, 42 U.S.C. 4371 *et seq.* and NAGPRA (25 U.S.C. 3001-3013) as appropriate. The 1992 *Secretary of the Interiors Standards for the Treatment of Historic Properties* were revised so that they could be applied to all historic resource types included in the National Register of Historic Places and including cultural landscapes. Also, federal Executive Orders Nos. 11593 (preservation of cultural environment), 13175 (coordination & consultation) and 13007 (Sacred Sites) are helpful, supportive guides for Section 106 consultation. The aforementioned Secretary of the Interior's *Standards* include recommendations for all 'lead agencies' to consider the *historic context* of proposed projects and to "research" the cultural landscape that might include the 'area of potential effect'.

Confidentiality of "historic properties of religious and cultural significance" should also be considered as protected by California Government Code §2554(r) and may also be protected under Section 304 of the NHPA or at the Secretary of the Interior discretion if not eligible for listing on the National Register of Historic Places. The Secretary may also be advised by the federal Indian Religious Freedom Act (cf. 42 U.S.C., 1996) in issuing a decision on whether or not to disclose items of religious and/or cultural significance identified in or near the APEs and possibility threatened by proposed project activity.

Furthermore, Public Resources Code Section 5097.98, California Government Code §27491 and Health & Safety Code Section 7050.5 provide for provisions for accidentally discovered archeological resources during construction and mandate the processes to be followed in the event of an accidental discovery of any human remains in a project location other than a 'dedicated cemetery'.

To be effective, consultation on specific projects must be the result of an ongoing relationship between Native American tribes and lead agencies, project proponents and their contractors, in the opinion of the NAHC. Regarding tribal consultation, a relationship built around regular meetings and informal involvement with local tribes will lead to more qualitative consultation tribal input on specific projects.

If you have any questions about this response to your request, please do not hesitate to contact me at (916) 653-6251.

RESPONSE TO COMMENTS

NATIVE AMERICAN HERITAGE COMMISSION (9/29/2011) continued

This page has been left intentionally left blank.

Sincerely,  
  
Dave Singletary  
Program Analyst

Cc: State Clearinghouse

Attachment: Native American Contact List

San Diego County  
September 27, 2011

RESPONSE TO COMMENTS

NATIVE AMERICAN HERITAGE COMMISSION (9/29/2011) continued

9

Jamul Indian Village  
Kenneth Meza, Chairperson  
P.O. Box 612  
Jamul , CA 91935  
amulrez@scidiv.net  
(619) 669-4785  
(619) 669-48178 - Fax

Diegueno/Kumeyaay

Inaja Band of Mission Indians  
Rebecca Osuna, Spokesperson  
2005 S. Escondido Blvd.  
Escondido , CA 92025  
(760) 737-7628  
(760) 747-8568 Fax

Mesa Grande Band of Mission Indians  
Mark Romero, Chairperson  
P.O. Box 270  
Santa Ysabel, CA 92070  
mesagrandeband@msn.com  
(760) 782-3818  
(760) 782-9092 Fax

Diegueno

Kumeyaay Cultural Repatriation Committee  
Steve Banegas, Spokesperson  
1095 Barona Road  
Lakeside , CA 92040  
(619) 742-5587 - cell  
(619) 742-5587  
(619) 443-0681 FAX

Kumeyaay Cultural Heritage Preservation  
Paul Cuero  
36190 Church Road, Suite 5  
Carpo , CA 91906  
(619) 478-9046  
(619) 478-9505  
(619) 478-5818 Fax

Diegueno/Kumeyaay

Ewilaapaayp Tribal Office  
Will Micklin, Executive Director  
4054 Willows Road  
Alpine , CA 91901  
wmicklin@learningrock.net  
(619) 445-6315 - voice  
(619) 445-9126 - fax

Kwiyaymii Laguna Band of Mission Indians  
Carmen Lucas  
P.O. Box 775  
Pine Valley , CA 91962  
(619) 709-4207

Diegueno -

Ewilaapaayp Tribal Office  
Michael Garcia, Vice Chairperson  
4054 Willows Road  
Alpine , CA 91901  
michaelg@learningrock.net  
(619) 445-6315 - voice  
(619) 445-9126 - fax

is list is current only as of the date of this document.

tribution of this list does not relieve any person of the statutory responsibility as defined in Section 7050.5 of the Health and Safety Code, section 5097.54 of the Public Resources Code and Section 5097.88 of the Public Resources Code.

is list is applicable for contacting local Native Americans with regard to cultural resources for the proposed Sch2010105046; CEQA Notice of Completion; proposed Mitigated Negative Declaration for the Citywide Pipelines Projects 2011; located in the City of San Diego, San Diego California.

This page has been left intentionally left blank.

(0

ona Group of the Capitan Grande  
win Romero, Chairperson  
15 Barona Road  
Diegueno  
eside , CA 92040  
:@barona-nsn.gov  
9) 443-6612  
3-443-0681

Sycuan Band of the Kumeyaay Nation  
Danny Tucker, Chairperson  
5459 Sycuan Road  
El Cajon , CA 92021  
ssilva@sycuan-nsn.gov  
619 445-2613  
619 445-1927 Fax

Posta Band of Mission Indians  
endolyn Parada, Chairperson  
'Box 1120  
Diegueno/Kumeyaay  
ulevard , CA 91905  
arada@lapostacasino.  
9) 478-2113  
3-478-2125

Viejas Band of Kumeyaay Indians  
Anthony R. Pico, Chairperson  
PO Box 908  
Diegueno/Kumeyaay  
Alpine , CA 91903  
jrothauff@viejas-nsn.gov  
(619) 445-3610  
(619) 445-5337 Fax

n Pasqual Band of Mission Indians  
an E. Lawson, Chairperson  
) Box 365  
Diegueno  
lley Center CA 92082  
ant@sarpasqualband.com  
30) 749-3200  
30) 749-3876 Fax

Kumeyaay Cultural Historic Committee  
Ron Christman  
56 Viejas Grade Road  
Diegueno/Kumeyaay  
Alpine , CA 92001  
(619) 445-0385

ay Nation of Santa Ysabel  
gil Perez, Spokesman  
) Box 130  
Diegueno  
nta Ysabel, CA 92070  
andietaylor@yahoo.com  
30) 765-0845  
30) 765-0320 Fax

Campo Kumeyaay Nation  
Montique LaChappa, Chairperson  
36190 Church Road, Suite 1  
Diegueno/Kumeyaay  
Campo , CA 91906  
milachappa@campo-nsn.gov  
(619) 478-9046  
(619) 478-5818 Fax

This page has been left intentionally left blank.

set is current only as of the date of this document.

dition of this list does not relieve any person of the statutory responsibility as defined in Section 7050.5 of the Health and Safety Code, in 5097.24 of the Public Resources Code and Section 5097.56 of the Public Resources Code.

set is applicable for contacting local Native Americans with regard to cultural resources for the proposed #2011091045; CEQA Notice of Completion; proposed Mitigated Negative Declaration for the Citywide Pipelines Projects 2011; located City of San Diego; San Diego California.

San Diego County  
September 27, 2011

RESPONSE TO COMMENTS

NATIVE AMERICAN HERITAGE COMMISSION (9/29/2011) continued

Kumeyaay Cultural Repatriation Committee  
Bernice Paipa, Vice Spokesperson  
Diegueno/Kumeyaay  
P.O. Box 1120  
Boulevard, CA 91905  
(619) 478-2113

Santa Ysabel  
Director of Cultural Resources  
Diegueno/Kumeyaay  
P.O. Box 507  
Santa Ysabel, CA 92070  
jlinton73@aol.com  
760) 803-5694  
jlinton73@aol.com

Manzanita Band of the Kumeyaay Nation  
Meroy J. Elliott, Chairperson  
P.O. Box 1302  
Boulevard, CA 91905  
619) 766-4930  
619) 766-4957 - FAX

Kumeyaay Diegueno Land Conservancy  
W. Louis Guassac  
P.O. Box 1992  
Alpine, CA 91903  
juassac@onebox.com  
(619) 952-8430

Inter-Tribal Cultural Resource Council  
Frank Brown, Coordinator  
240 Brown Road  
Alpine, CA 91901  
FIREFIGHTER69TFF@AOL  
COM  
((619) 884-8437

This page has been left intentionally left blank.

This list is current only as of the date of this document.

The information in this list does not relieve any person of the statutory responsibility as defined in Section 7050.5 of the Health and Safety Code, or Section 5097.54 of the Public Resources Code and Section 5097.38 of the Public Resources Code.

This list is applicable for conducting local Native Americans with regard to cultural resources for the proposed CH&2017081045; CEQA Notice of Completion; proposed Mitigated Negative Declaration for the Citywide Pipelines Projects 2011; located in the City of San Diego, San Diego California.



State Water Resources Control Board

OCT 10 2011

Jeffrey Szymanski, Associate Planner  
City of San Diego, Development Services Department  
1222 First Avenue MS 501  
San Diego, CA 92101

Dear Mr. Szymanski,

IS/MND) FOR THE CITY OF SAN DIEGO (CITY); CITYWIDE PIPELINE PROJECTS 2011 (PROJECT); SAN DIEGO COUNTY; STATE CLEARINGHOUSE NO.2011091045

We understand the City maybe pursuing Clean Water State Revolving Fund (CWSRF) financing for this Project. As a funding agency and a State agency with jurisdiction by law to preserve, enhance, and restore the quality of California's water resources, the State Water Resources Control Board (State Water Board) is providing the following information for the environmental document prepared for the Project.

Please provide us with the following documents applicable to the proposed Project: (1) 2 copies of the draft and final IS/MND, (2) the resolution adopting/certifying the IS/MND making California Environmental Quality Act (CEQA) findings, (3) all comments received during the review period and the City's response to those comments, (4) the adopted Mitigation Monitoring and Reporting Program, and (5) the Notice of Determination filed with the Governor's Office of Planning and Research State Clearinghouse. In addition, we would appreciate notices of any hearings or meetings held regarding environmental review of any projects to be funded by the State Water Board.

The State Water Board, Division of Financial Assistance, is responsible for administering CWSRF funds. The primary purpose for the CWSRF Program is to implement the Clean Water Act and various state laws by providing financial assistance for wastewater treatment facilities necessary to prevent water pollution, recycle water, correct nonpoint source and storm drainage pollution problems, and provide for estuary enhancement, and thereby protect and promote health, safety and welfare of the inhabitants of the state. The CWSRF Program provides low-interest funding equal to one-half the most recent State General Obligation Bond Rates with a 20-year term. Applications are accepted and processed continuously. Please refer to the State Water Board's CWSRF website at [www.waterboards.ca.gov/water\\_issues/programs/grants\\_loans/srff/index.shtml](http://www.waterboards.ca.gov/water_issues/programs/grants_loans/srff/index.shtml).

The CWSRF Program is partially funded by the U.S. Environmental Protection Agency and requires additional "CEQA-Plus" environmental documentation and review. Four enclosures are included that further explain the environmental review process and some additional federal requirements in the CWSRF Program. The State Water Board is required to consult directly with agencies responsible for implementing federal environmental laws and regulations. Any environmental issues raised by federal agencies or their representatives will need to be resolved prior to State Water Board approval of a CWSRF funding commitment for the proposed Project.

CHARLES R. HOPPIN, CHAIRMAN | THOMAS HOWARD, EXECUTIVE DIRECTOR  
1001 Street, Sacramento, CA 95814 | Mailing Address: P.O. Box 100, Sacramento, CA 95812-0100 | [www.waterboards.ca.gov](http://www.waterboards.ca.gov)



- 10. This comment does not address the adequacy of the CEQA document; therefore no response is necessary. The comment letter has been forwarded to the applicant City Department that is preparing the "CEQA-Plus" materials required for the CWSRF Program.

It is important to note that prior to a CWSRF funding commitment, projects are subject to provisions of the Federal Endangered Species Act, and must obtain Section 7 clearance from the U.S. Fish and Wildlife Service (USFWS), and/or National Marine Fisheries Service (NMFS) for any potential effects to special status species. Please be advised that the State Water Board will consult with USFWS, and/or NMFS regarding all federal special status species the Project has the potential to impact if the Project is to be funded under the CWSRF Program.

The City will need to identify whether the Project will involve any direct effects from construction activities or indirect effects, such as growth inducement, that may affect federally listed threatened, endangered, or candidate species that are known, or have a potential to occur on-site, in the surrounding areas, or in the service area, and to identify applicable conservation measures to reduce such effects.

In addition, CWSRF projects must comply with federal laws pertaining to cultural resources, specifically Section 106 of the National Historic Preservation Act. The State Water Board has responsibility for ensuring compliance with Section 106 and the State Water Board's Cultural Resources Officer (CRO) must consult directly with the California State Historic Preservation Officer (SHPO). SHPO consultation is initiated when sufficient information is provided by the CWSRF applicant. Please contact the CRO, Ms. Cookie Hirm, at (916) 341-5690, to find out more about the requirements, and to initiate the Section 106 process if the City decides to pursue CWSRF financing. Note that the City will need to identify the Area of potential Effects (APE), including construction and staging areas and the depth of any excavation. The APE is three-dimensional and includes all areas that may be affected by the Project. The APE includes the surface area and extends below ground to the depth of any Project excavations. The records search request should be made for an area larger than the APE. The appropriate area varies for different projects but should be drawn large enough to provide information on what types of sites may exist in the vicinity.

Other federal requirements pertinent to the Project under the CWSRF Program include the following:

- A. Compliance with the federal Clean Air Act: (a) Provide air quality studies that may have been done for the Project; and (b) if the Project is in a nonattainment area or attainment area subject to a maintenance plan; (f) provide a summary of the estimated emissions (in tons per year) that are expected from both the construction and operation of the Project for each federal criteria pollutant in a nonattainment or maintenance area, and indicate if the nonattainment designation is moderate, serious, or severe (if applicable); (ii) if emissions are above the federal de minimis levels, but the Project is sized to meet only the needs of current population projections that are used in the approved State Implementation Plan for air quality, quantitatively indicate how the proposed capacity increase was calculated using population projections.
- B. Compliance with the Coastal Zone Management Act: identify whether the Project is within a coastal zone and the status of any coordination with the California Coastal Commission.
- C. Protection of Wetlands: identify any portion of the proposed Project area that may contain areas that should be evaluated for wetlands or U.S. waters delineation by the U.S. Army Corps of Engineers (USACE), or require a permit from the USACE, and identify the status of coordination with the USACE.
- D. Compliance with the Migratory Bird Treaty Act: List any birds protected under this Act that may be impacted by the Project and identify conservation measures to minimize impacts

This page has been left intentionally left blank.

The State Water Board has no comments at this time. Thank you for the opportunity to review the City's IS/MND. If you have any questions or concerns, please feel free to contact me at (916) 341-5855 or akashk@waterboards.ca.gov, or Terry Singleton at (916) 341-5686 or TSingleton@waterboards.ca.gov.

Sincerely,



Ahmad Kashkoll  
Environmental Scientist

cc: State Clearinghouse w/o enclosures  
(Re: SCH# 2011091045)  
P. O. Box 3044  
Sacramento, CA 95812-3044

bcc: Lisa Lee, DFA  
Cookie Hirn, DFA  
Ahmad Kashkoll, DFA  
Pete Mizera, DFA

Enclosures (4)

1. SRF & CEQA-Plus Requirements
2. Quick Reference Guide to CEQA Requirements for State Revolving Fund Loans
3. Instructions and Guidance for "Environmental Compliance Information"
4. Basic Criteria for Cultural Resources Reports

This page has been left intentionally left blank

STATE WATER RESOURCES CONTROL BOARD (9/10/2011)



STATE OF CALIFORNIA  
Governor's Office of Planning and Research  
State Clearinghouse and Planning Unit

Edmund G. Brown Jr.  
Governor

October 14, 2011

Jeffrey Szymanski  
City of San Diego  
1222 First Avenue, MS-501  
San Diego, CA 92101

Subject: Citywide Pipeline Projects 2011  
SCH#: 2011091045

Dear Jeffrey Szymanski:

The enclosed comment (s) on your Mitigated Negative Declaration was (were) received by the State Clearinghouse after the end of the state review period, which closed on October 13, 2011. We are forwarding these comments to you because they provide information or raise issues that should be addressed in your final environmental document.

The California Environmental Quality Act does not require Lead Agencies to respond to late comments. However, we encourage you to incorporate these additional comments into your final environmental document and to consider them prior to taking final action on the proposed project.

Please contact the State Clearinghouse at (916) 445-0613 if you have any questions concerning the environmental review process. If you have a question regarding the above-named project, please refer to the ten-digit State Clearinghouse number (2011091045) when contacting this office.

Sincerely,

*Scott Morgan*  
Scott Morgan  
Director, State Clearinghouse

Enclosures  
cc: Resources Agency

1400 TWENTH STREET P.O. BOX 3044 SACRAMENTO, CALIFORNIA 95812-3044  
TEL. (916) 445-0613 FAX (916) 328-3018 www.opr.ca.gov

RESPONSE TO COMMENTS

CALIFORNIA STATE CLEARING HOUSE AND PLANNING UNIT (10/14/2011)

11. The City acknowledges that the comment letter from The California Department of Fish and Game (CDFG) was received after the end of the state review period ended.

12. The City responses to the CDFG comment letter are included herein.



State of California - The Natural Resources Agency  
 DEPARTMENT OF FISH AND GAME  
 South Coast Region  
 3883 Ruffin Road  
 San Diego, CA 92123  
 (658) 467-4201  
 www.dfg.ca.gov



EDMUND G. BROWN, JR. Governor  
 CHARLTON H. BONHAM, Director

RESPONSE TO COMMENTS

CALIFORNIA DEPARTMENT OF FISH AND GAME (10/13/2011)

October 11, 2011

Mr. Jeffery Szymanski  
 City of San Diego  
 Development Services Center  
 1222 First Avenue, MS 501  
 San Diego, CA 92101

RECEIVED  
 OCT 14 2011  
 STATE CLEARING HOUSE

late  
 10/13/2011  
 e

**Subject: Comments on the Draft Mitigated Negative Declaration for Citywide Pipeline Projects, City of San Diego, San Diego County, California (Project No. 255100; SCH #2011091045)**

Dear Mr. Szymanski:

The Department of Fish and Game (Department) has reviewed the above-referenced draft Mitigated Negative Declaration (MND), dated September 14, 2011. The comments provided herein are based on information provided in the draft MND, our knowledge of sensitive and declining vegetation communities in the County of San Diego, and our participation in regional conservation planning efforts.

The following statements and comments have been prepared pursuant to the Department's authority as Trustee Agency with jurisdiction over natural resources affected by the project (CEQA Guidelines §15386) and pursuant to our authority as a Responsible Agency under CEQA Guidelines Section 15381 over those aspects of the proposed project that come under the purview of the California Endangered Species Act (Fish and Game Code §2050 et seq.) and Fish and Game Code Section 1600 et seq. The Department also administers the Natural Community Conservation Planning Program (NCCPP). The City of San Diego (City) participates in the NCCPP program by implementing its approved Multiple Species Conservation Program (MSCP) Subarea Plan.

The proposed project covers five near-term pipeline projects (Harbor Drive Pipeline, Water Group 949, Sewer Group 787, Water Group 914, and Sewer/Water Group 732), as well as any subsequent future pipeline projects. The project description specifies that the construction footprint for a typical pipeline project, including staging areas and other areas (such as access) would be located within City Public Right-of-Way (PROW) and/or within public easements and may include planned pipeline construction with private easements from the PROW to the service connection. The types of projects evaluated in the analysis consists of sewer and water group jobs, trunk sewers, large diameter water pipeline projects, manholes and other necessary appurtenances. The project scope defines that all associated equipment would be staged in existing PROW adjacent to the proposed work area(s). The project analysis concludes that no impact would occur to Sensitive Biological Resources or Environmentally Sensitive Lands as defined by the Land Development Code and the project would not encroach into the City's Multi-Habitat Planning Area (MHPA).

This page has been left intentionally left blank.

*Conserving California's Wildlife Since 1870*

We offer our recommendations and comments to assist the City in avoiding, minimizing, and adequately mitigating project related impacts to biological resources, and to ensure that the project is consistent with ongoing regional habitat planning efforts.

1. The initial study references that along with the environmental analysis that covers the five near-term pipeline projects, any subsequent future pipeline projects would be reviewed for consistency with the analysis covered in the Citywide Pipeline Project MND. Further, the initial study states "Where it can be determined that the project is "consistent" with the MND and no additional potential significant impacts would occur pursuant to State CEQA Guideline §15162 (i.e., the involvement of new significant environmental effects of a substantial increase in the severity of previously identified effects) or if the project would result in minor technical changes or additions, then an Addendum to this MND would be prepared pursuant to §15164. Where future projects are found not to be consistent with this MND, then a new Initial Study and project specific MND shall be prepared." From a substantive and procedural context of CEQA, the Department considers the application of all forthcoming analysis covering "any subsequent future pipeline projects" as tiering upon the project MND; consequently we consider the City's environmental determination problematic. Lacking supplemental guidance from the lead agency, the Department interprets this approach as essentially "tiering" upon this MND as all similar types of "future pipeline projects" will be processed under an addendum to the adopted document. If it is the City's intent to tier upon this MND and apply it to those future pipeline projects, we would focus attention to CEQA Guidelines, Section 15152(b) and Public Resources Code, Sections 21093-21094, which defines tiering as being appropriate when the sequence of analysis is from an environmental impact report (EIR) prepared for a general plan, policy, or program to an EIR or negative declaration for another plan, policy or program of lesser scope, or to a site-specific EIR or negative declaration. Additionally, we would highlight Public Resources Code, Section 21166 which precludes any future projects with significant impact from tiering. Based on the relevant CEQA sections cited above, the City's approach to essentially "tier" upon this MND has not been fully supported in the analysis. The presumption provided in the initial study is that at the time when the City can determine that any forthcoming project is "consistent" with the baseline analysis provided in the project MND, any subsequent CEQA analysis/processing would be limited to preparing an Addendum to this MND. In contrast, when considering CEQA Guidelines, Section 15162(a), we believe that it has been misapplied as currently explained in the processing guidance provided in this MND (i.e., §15162 is being applied to cover future projects when clearly the intent of §15162 is limited to a single project). Therefore, we request that the City reevaluate the statutory mandates under the CEQA and the circumstances for when any subsequent future pipeline projects could be processed from an adopted environmental document.

2. The biological resources analysis determined that for those five near-term projects that are located within the public right-of-way no significant project-related impacts on biological resources would occur. Compliance with CEQA is predicated on a complete and accurate description of the "environmental setting" that may be affected by the proposed project. We feel there is limited information in adequately defining (1) over-all width of the PROW (e.g., are there areas of the PROW that extend outside existing paved roadways); (2) proximity to environmentally sensitive lands to the PROW; and (3) accurate environmental baseline conditions of all proposed staging areas (which should include a qualified biologist evaluating those existing site conditions). Absent a complete and accurate description of the existing physical conditions in and around all of the projects, we believe relying on the current environmental determination in this MND could result in an incomplete or inaccurate

## RESPONSE TO COMMENTS

### CALIFORNIA DEPARTMENT OF FISH AND GAME (10/13/2011) continued

13. The discussion within CEQA Guidelines section 15152(B) discusses tiering documents in terms of EIRs; however, the section does not definitively state that tiering documents require the preparation of an EIR and often times the term EIR is used universally to refer to MNDs and NDs. (*See also* Guidelines section 15152 (b): "Agencies are encouraged to tier the environmental analyses which they prepare for separate but related projects ...") Please refer to CEQA Guidelines section 15064 (Determining the Significance of the Environmental Effects Caused by a Project) which clearly states when the preparation of an EIR would be required. In accordance with CEQA Guidelines section 15064(a)(1) a draft EIR is prepared when there is substantial evidence, in light of the whole record before a lead agency, that a project may have a significant effect on the environment. Guidelines section 15064 (f)(3) also provides: "(3) If the lead agency determines there is no substantial evidence that the project may have a significant effect on the environment, the lead agency shall prepare a negative declaration (*Friends of B Street v. City of Hayward* (1980) 106 Cal. App. 3d 988).

In accordance with CEQA Guidelines section 15063 the City conducted an Initial Study of the Citywide Pipeline project and it was determined that the project, with mitigation, would not result in significant unmitigated impacts and an MND was prepared.

In addition, the comment letter from CDFG states that Public Resources Code, section 21166 precludes future projects with significant impacts from tiering. As mentioned above, an Initial Study was conducted and significant impacts were not identified which could not be mitigated to below a level of significance.

The MND analyzes Citywide pipeline projects on a "pro granmatic" level (i.e., as a whole at a broad level of detail), but also analyzes the proposed projects on a site-specific basis where appropriate. As stated in the draft MND subsequent pipeline projects located within the developed public right of way will be reviewed and where it can be determined that the project is consistent with the MND pursuant to CEQA Guidelines section 15162 any necessary CEQA document will be prepared or if the project would result in minor technical changes or additions, then an Addendum to this MND would be prepared pursuant to CEQA Guidelines section 15164. Pursuant to CEQA Guidelines section 15162 the Lead Agency has the ability to analyze proposed projects with previously certified environmental documents and neither CEQA Guidelines sections 15162 or 15164 limit the application to an individual project. In fact, CEQA Guidelines section 15162 (b) states: "If changes to a project or its circumstances occur or new information becomes available after adoption of a negative declaration, the lead agency shall prepare a subsequent EIR if required under subdivision (a). Otherwise the lead agency shall determine whether to prepare a subsequent negative declaration, an addendum, or no further documentation."

The City has utilized this procedure numerous times in the past without challenge. We note that CDFG has used the programmatic MND procedure in the past as well. However, we welcome your additional input on this issue as we continue to evaluate the statutory mandates under CEQA and the circumstances for when any subsequent future pipeline projects could be processed from an approved environmental document as you requested we do in your October 11, 2011 comment letter.

CALIFORNIA DEPARTMENT OF FISH AND GAME (10/13/2011) continued

analysis of project-related environmental impacts by the City. Also, the initial study discusses that near-term projects may be located in close proximity to, or adjacent to the City's MHPA, but not within the MHPA. The CEQA is intended to foster informed public decision making; therefore we believe that it would have been appropriate to include corresponding figures in the initial study that depict the MHPA boundaries in relationship to all of the anticipated construction-related activities. There is the intent provided in the MND to avoid any direct, indirect and cumulatively significant impacts to environmentally sensitive lands, however whether there is sufficient information provided in the environmental analysis to demonstrate that condition remains in question. Additionally, in evaluating the MHPA Land Use Adjacency Guidelines that were provided in the MND, there are a number of referrals for development within or adjacent to the MHPA. It is correct that the near-term projects would entirely avoid the MHPA then it appears appropriate for the mitigation language to specifically state that condition.

3. The initial study identifies that construction for the near-term projects is anticipated to occur during the daytime hours. Should there be any potential for construction activities to occur during evening hours then the mitigation measures that are currently provided in the MND for addressing indirect effects to MHPA preserve lands should be revised to include conditions that specify that all auxiliary construction-related lighting shall be shielded in proximity to the MHPA.

The Department requests the opportunity to review any revision to MND prior to finalization to ensure that the comments and recommendations, contained herein, are adequately addressed. We appreciate the opportunity to comment on the MND for this project and to assist the City in further minimizing and mitigating project impacts to biological resources. If you have questions or comments regarding this letter, please contact Paul Schlitt of the Department at (858) 637-5510.

Sincerely,  
  
Edmund Peit  
Regional Manager  
South Coast Region

cc: State Clearinghouse, Sacramento  
Patrick Gower, USFWS, Carlsbad  
Paul Schlitt, San Diego

14. The MND and Initial Study Checklist have been updated to include a thorough description of the projects that are adjacent to the MHPA. In addition, a graphic have been added for Group Job 949 - Site 2 which depicts the project location in relation to the MHPA. The Land Use Adjacency Guidelines (LUAGL) provides additional assurances that development adjacent to the MHPA would not result in direct or indirect edge effects from construction related activities. No projects have been or will be implemented under this MND which are within the MHPA. The LUAGL measures would be implemented when a pipeline project is within 100 feet from the edge of the MHPA and would be monitored for compliance by a qualified biological consultant. The MHPA LUAGL measures in the MND have been modified to eliminate references to "within the MHPA." Please note however, that many existing paved public right-of-ways may cross over areas mapped within the MHPA but would not result in any direct impacts to the MHPA. Please note that Sewer Group 787, which is adjacent to the MHPA, has been removed from this project.

15. Please see section A. I. 5. of the Land Use MMRP in the MND which requires adequate shielding to protect sensitive habitat. In addition, section A. III. A. 3. of the Land Use MMRP in the MND requires that periodic night inspections be conducted to verify that all lighting adjacent to the MHPA be directed away from the Preserve.



**San Diego County Archaeological Society, Inc.**

Environmental Review Committee

5 October 2011

To: Mr. Jeffrey Szymanski  
Development Services Department  
City of San Diego  
1222 First Avenue, Mail Station 501  
San Diego, California 92101

Subject: Draft Mitigated Negative Declaration  
Citywide Pipeline Project -- 2011  
Project No. 255100

Dear Mr. Szymanski:

I have reviewed the subject DMND on behalf of this committee of the San Diego County Archaeological Society.

Based on the information in the DMND and initial study, we have the following comments:

1. It is not clear why Water Group 949 does not include archaeological monitoring mitigation measures for some or all of the portions where the line is installed in new trenches.
2. The last sentence of cultural resources mitigation measure IV.5.d appears to be missing one or more words. The portion in question currently reads "...appropriate treatment measures the human remains and buried with Native American human remains..."

Thank you for the opportunity to review and comment upon this DMND.

Sincerely,

James W. Royle, Jr., Chairperson  
Environmental Review Committee

cc: SDCAS President  
File

P.O. Box 81106 • San Diego, CA 92138-1106 • (658) 538-0935

SAN DIEGO COUNTY ARCHAEOLOGICAL SOCIETY, INC (10/5/2011)

16. Water Group 949 would be located in three different areas within the City of San Diego: Skyline-Paradise Hills, University/Clairemont Mesa, and Greater Golden Hill/Barrio Logan. New trenching would only occur in the Clairemont Mesa area, and existing previously excavated trenches would be utilized in the Greater Golden Hill/Barrio Logan and Skyline-Paradise Hills areas of the City. The University/Clairemont Mesa area is not located on the City of San Diego's Historical Sensitivity Map and therefore archaeological monitoring would not be required for this project segment. As mentioned previously, the existing trenches would be utilized in the other areas where native soils have already been disturbed. Therefore, archaeological monitoring would not be required in these areas.
17. Comment noted. Staff has reviewed the section from the MMRP and determined that the language in subsection "d" came directly from the Public Resources Code and three words were somehow omitted when this section of the City MMRP was created. The missing words have been added to section IV.C.5.d of the archaeological MMRP and shown in underline format. The master MMRP has been updated and EAS staff have been notified of the revision for future environmental documents.

# RINCON BAND OF LUISEÑO INDIANS Culture Committee

P.O. Box 68 · Valley Center 92082 · (760) 297-2621 (760) 297-2620 fax



## RESPONSE TO COMMENTS

September 28, 2011

RINCON BAND OF LUISEÑO INDIANS (9/28/2011)

To whom it may concern

On behalf of the Rincon Band of Luiseño Indians, I have received your letter. We thank you for informing us of the projects you propose and for including us in your research for cultural resource identification on the property. However the area is not in the Luiseño Tribe's territory. We highly recommend that you seek the assistance of the tribes that are located in the area of potential effect.

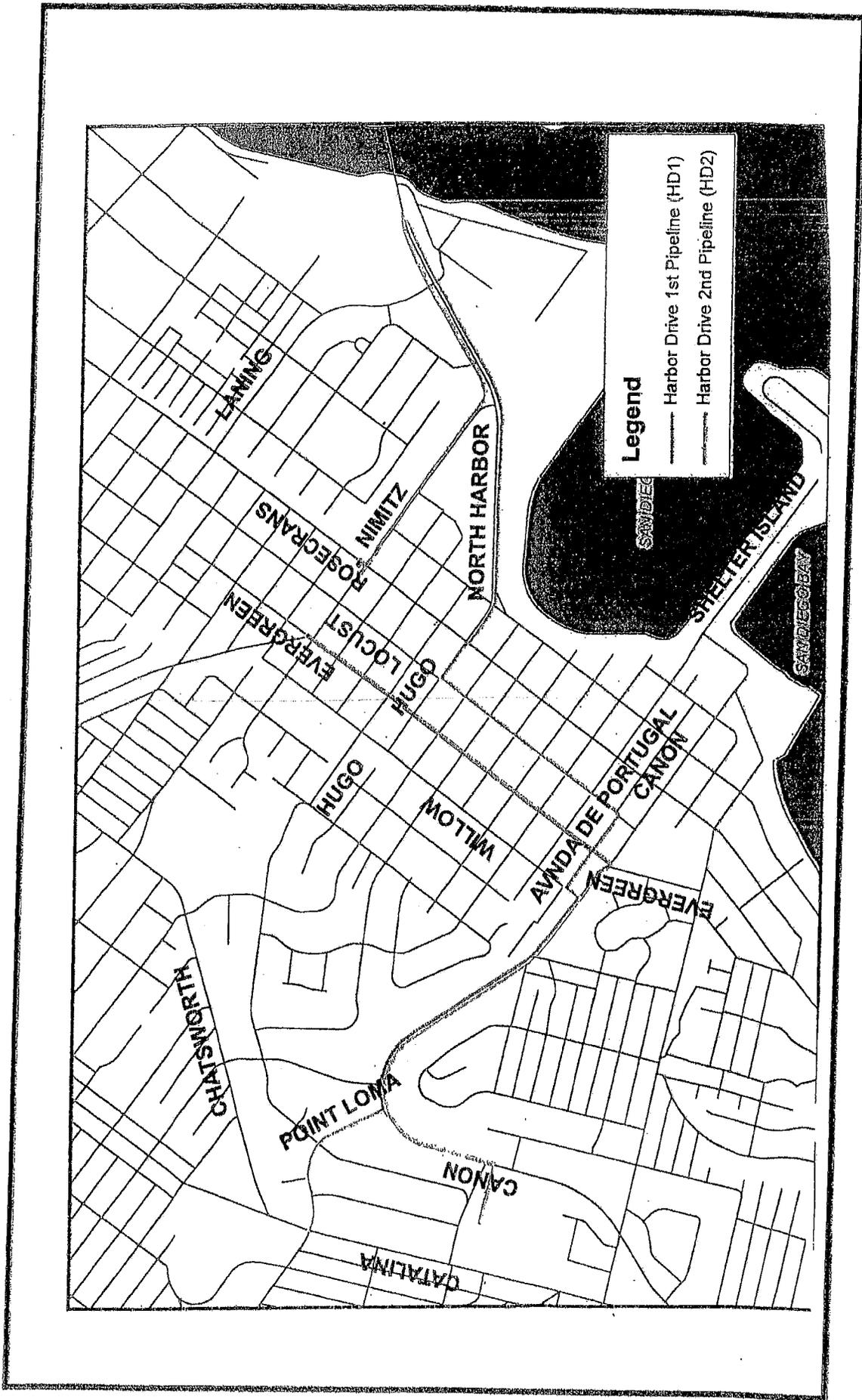
Although the Rincon Band of Luiseño Indians does not have cultural significance in this area; we would like to recommend the following guidelines. The first recommendation is to contact the tribes in the territory to receive instructions on how to handle any findings appropriately according their custom and tradition. Second to have Native American site monitors on site to identify artifacts that may be found during any ground disturbance in order to have the artifacts handled with dignity and respect; should human remains be discovered follow the California Resource Code 5097.98 and the procedures in this section.

Once again thank you for informing of your project and keeping Native Americans informed of these projects. We wish you success in your endeavors and hope the project is completed with the satisfaction of all parties involved.

Sincerely,  
*Rose Duro*  
Rose Duro  
Rincon Culture Committee Chair

Bo Mazzetti Tribal Chairman	Stephanie Spencer Vice Chairwoman	Charlie Kolb Council Member	Steve Stallings Council Member	Laurie Gonzales Council Member
--------------------------------	--------------------------------------	--------------------------------	-----------------------------------	-----------------------------------

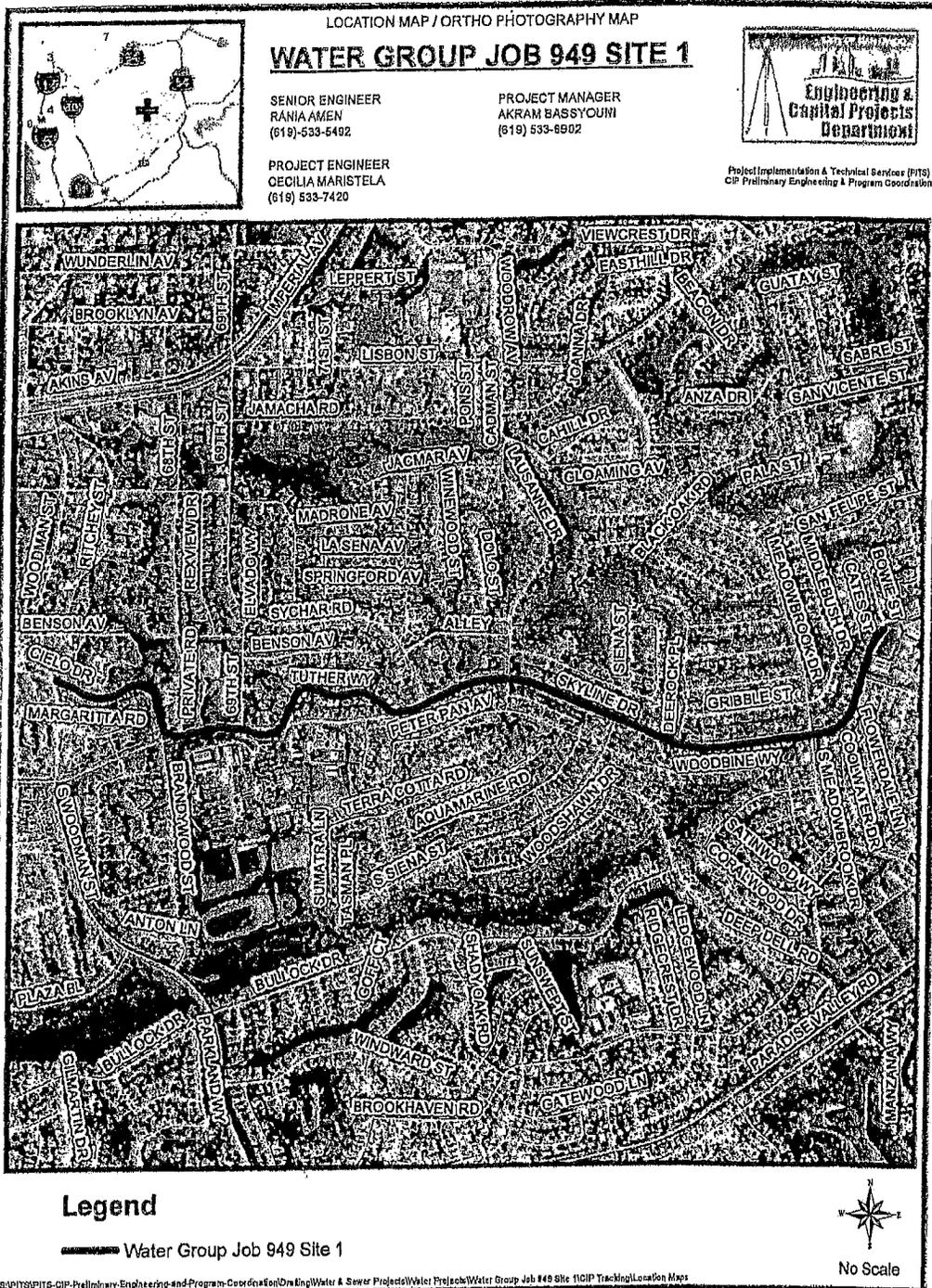
- 18. Comment noted. Please see Response to Comment 5. The draft MND was sent to all individuals on the recommended list from the NAHC, with the exception of the Inter-Tribal Cultural Resource Council, this group will be included in the distribution of the final MND.
- 19. Please see section B of the General Requirements of the MND and Section A. 1. of the Historical Resources section of the MMRP which requires Native American monitors to be present on-site during all construction related activities.



**FIGURE**  
**No. 1**

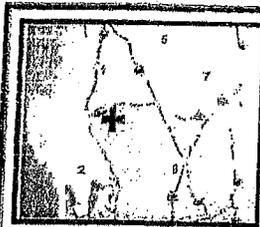
**Citywide Pipeline Projects-Project No. 255100**  
 Harbor Drive Pipeline / Project No. 206100  
 City of San Diego – Development Services Department





**Citywide Pipe Line Project- Project No. 255100**  
Water Group 949 Site 1/Project No. 232719

FIGURE  
No. 2



LOCATION MAP/ ORTHO PHOTOGRAPHY MAP

### WATER GROUP JOB 949 SITE 2

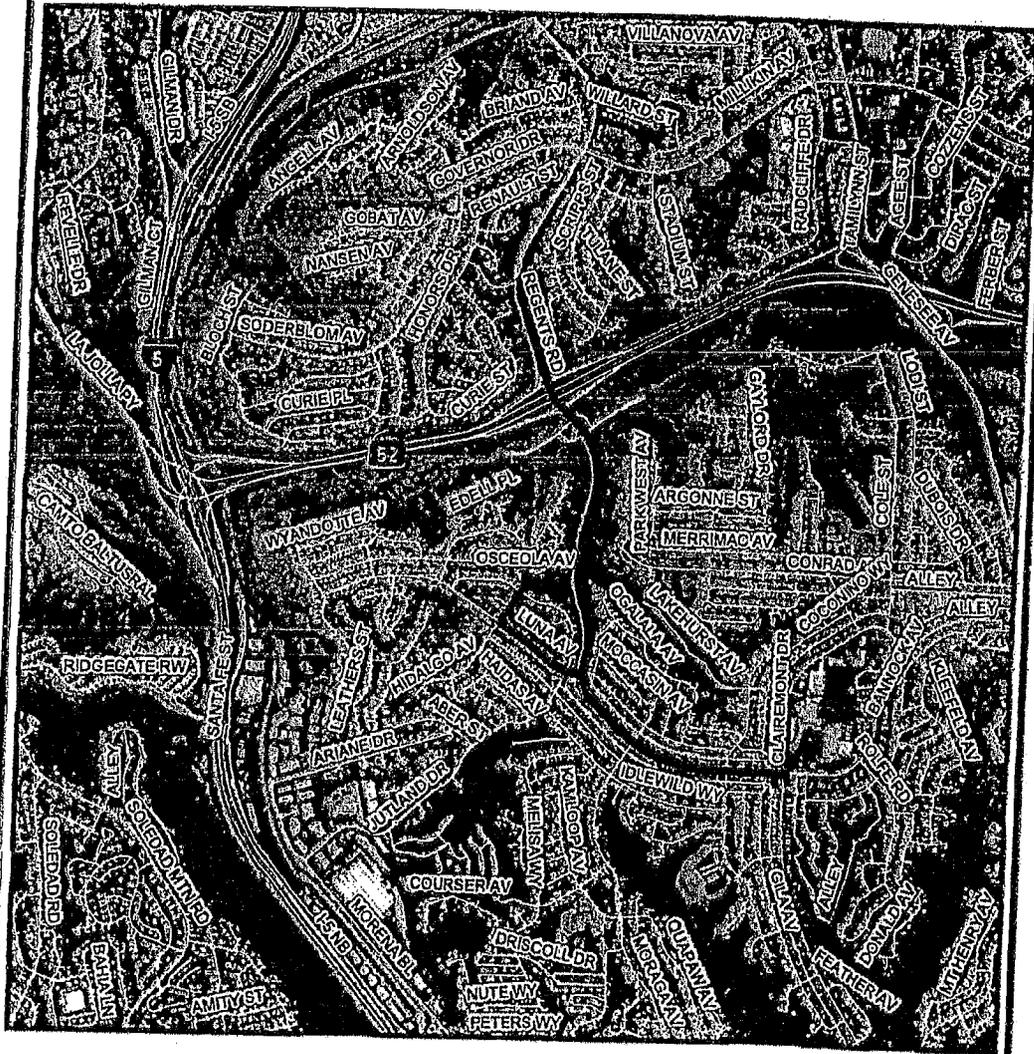
SENIOR ENGINEER  
RANIA AMEN  
(619) 533-5492

PROJECT MANAGER  
AKRAM BASSYOUNI  
(619) 533-6902

PROJECT ENGINEER  
CECILIA MARISTELA  
(619) 533-7420



Project Implementation & Technical Services (PITS)  
CIP Preliminary Engineering & Program Coordination



#### Legend

Water Group Job 949 Site 2



No Scale

S:\PITS\PITS-CIP-Preliminary-Engineering-and-Program-Coordination\Drawing\Water & Sewer Projects\Water Projects\Water Group 949- Site 2\CIP Tracking\Location Maps

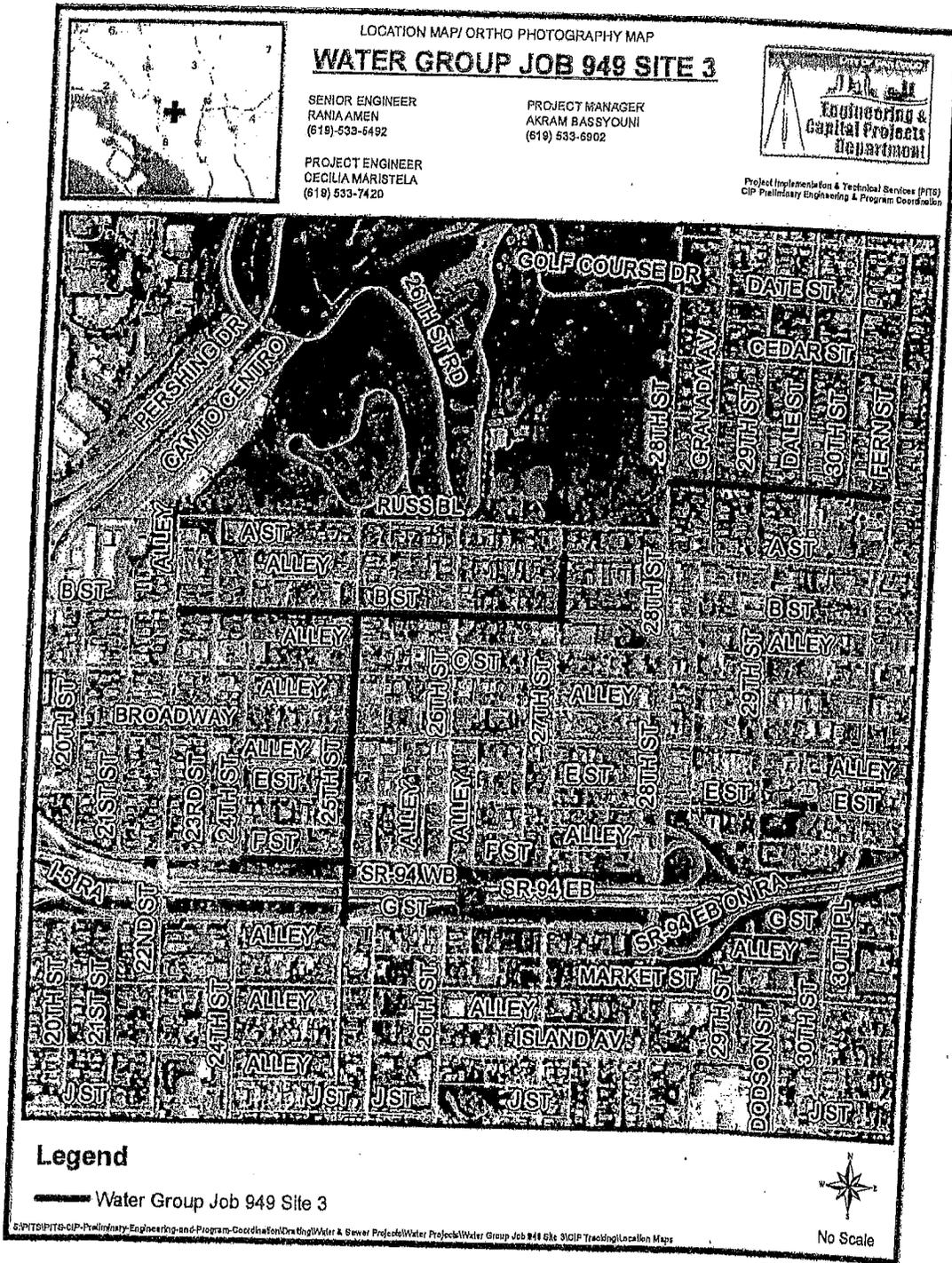


## Citywide Pipeline Project-Project No. 255100

Water Group 949 Site 2/Project No. 232719

City of San Diego - Development Services

**FIGURE**  
**No. 3**



**Citywide Pipeline Project-Project No. 255100**  
 Water Group 949 Site 3/Project No. 232719

**FIGURE No. 4**



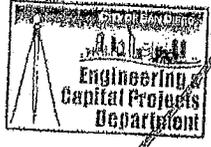
### Sewer Group 787

SENIOR ENGINEER  
Carl Spier  
619-533-5126

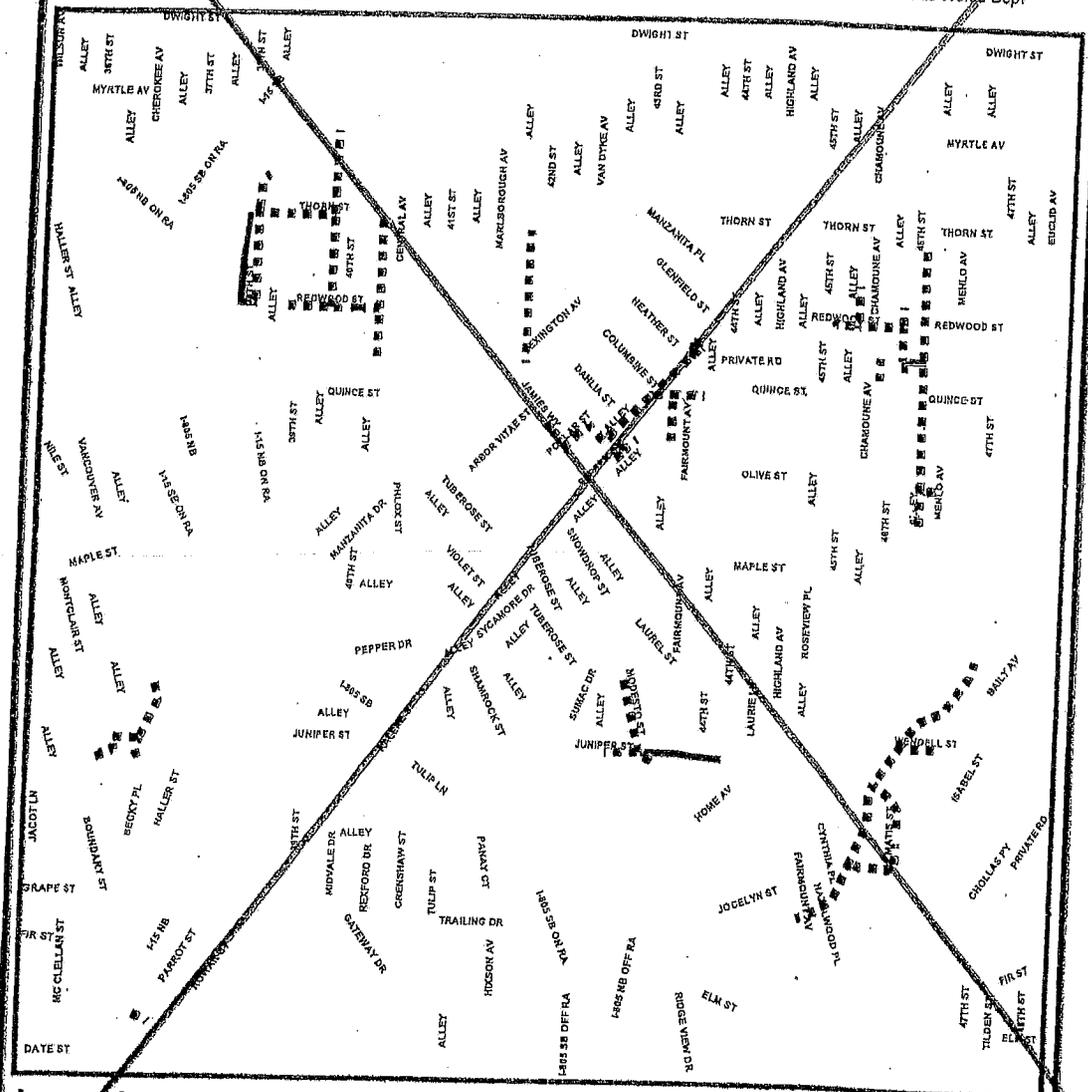
PROJECT ENGINEER  
Matthew DeBello  
619-533-6286

PROJECT MANAGER  
Regan Owen  
619-533-5205

PUBLIC INFORMATION OFFICER  
HOTLINE  
619-533-4207



Public Works Dept

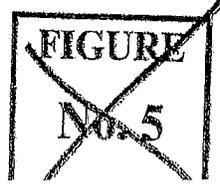


#### Legend

- Sewer\_Group\_787
- Sewer\_Group\_787\_Abandonment



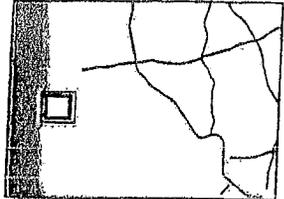
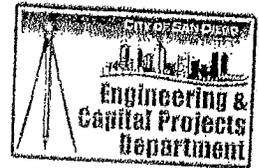
**Citywide Pipeline Project-Project No. 255100**  
**Sewer Group 787 /Project No. 231928**



**WATER GROUP 914  
WATER MAIN REPLACEMENT**

SENIOR ENGINEER  
WENDY GAMBOA  
(619) 235-1971  
PROJECT ENGINEER  
ROBERTO VEJAR-PARRA  
(619) 533-5402

PROJECT MANAGER  
MICHAEL NINH  
(619) 533-7443  
PUBLIC INFORMATION  
HOTLINE  
(619) 533-4207



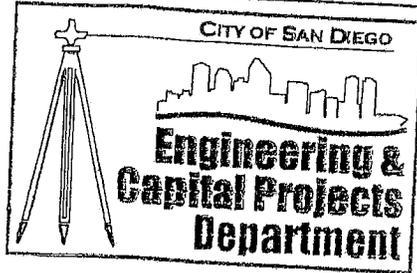
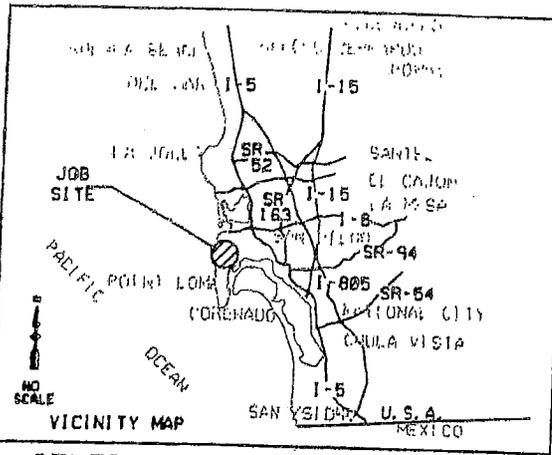
OCEAN BEACH / PENINSULA COUNCIL DISTRICT: 02 WBS NO.: B-00125 (W)

- LEGEND**
- REPLACE IN PLACE EXIST. WATER MAIN
  - PROP. NEW WATER MAIN
  - PROP. TRENCHLESS WATER
  - PRS PROP. NEW PRESSURE REGULATOR STATION (PRS)
  - EXISTING WATER MAINS



**Citywide Pipeline Projects-Project No.  
255100  
Water Group 914 /Project No. 233447**

**FIGURE  
No. 6**

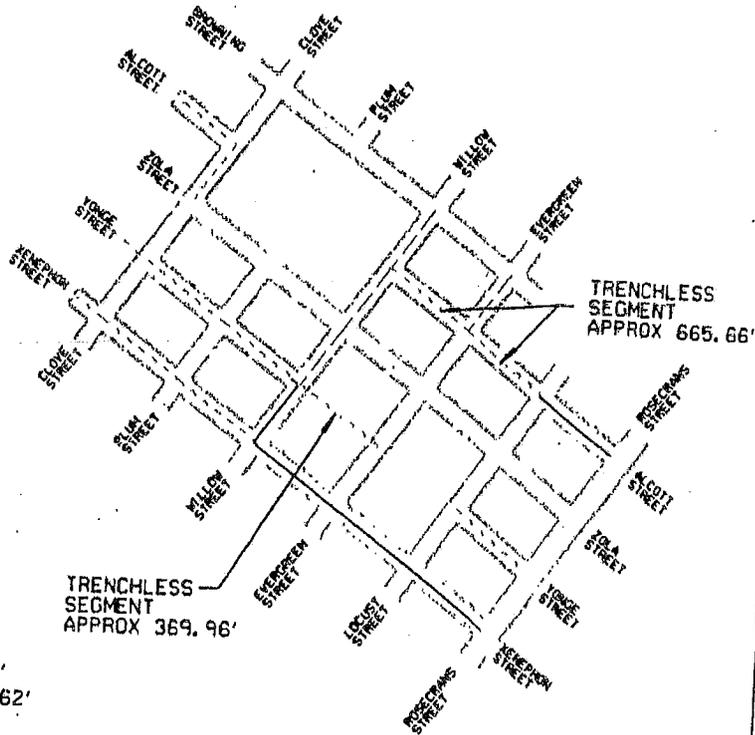


PROJECT ENGINEER  
 DANIEL TITTE  
 ☎ 533-7468

SENIOR ENGINEER  
 CARL SPIER  
 ☎ 533-5126

PROJECT MANAGER  
 HUNG HUYNH  
 ☎ 235-1979

SEWER & WATER MAIN  
 REPLACEMENT  
 GROUP 732  
 SITE MAP



NOTE: SEWER MAINS  
 TYPICAL METHODS 4, 459.38'  
 TRENCHLESS APPROX 1,035.62'

- LEGEND:
- — — WATER MAIN REPLACEMENT
  - · · · · SEWER MAIN REPLACEMENT
  - — — WATER & SEWER MAIN REPLACEMENT

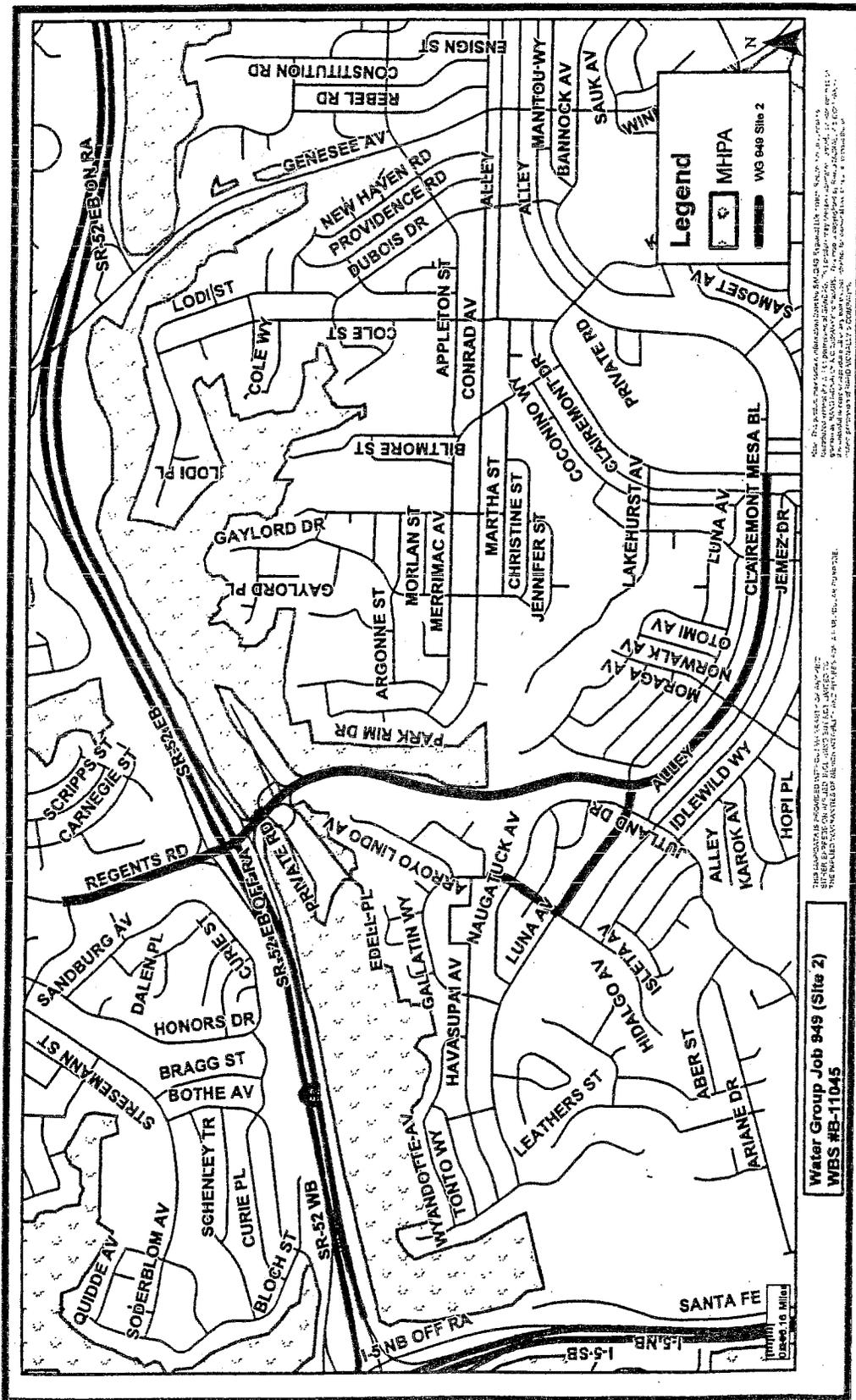
06-21-11 OEM



Citywide Pipeline Projects-Project No.  
 255100  
 Water and Sewer Group 732/Project No. 206610

FIGURE  
 No. 7

**FIGURE  
No. 8**



**Citywide Pipeline Project-Project No. 255100**

Water 949 Site 2/Project No. 232719

City of San Diego – Development Services Department



## INITIAL STUDY CHECKLIST

1. Project Title/Project number: Citywide Pipeline Projects
2. Lead agency name and address: City of San Diego, Development Services Department, 1222 First Avenue, MS 501, San Diego, CA 92101.
3. Contact person and phone number: Jeff Szymanski, Associate Planner, 619-446-5324
4. Project location: Near-term and future projects would be located within various public right-of-ways (PROW) within any community planning areas in the City of San Diego. All project sites and areas of potential affect would not support *Sensitive Biological Resources* as defined in the Land Development Code (LDC) §143.0110. Project locations may be within the State Coastal Zone and/or within the City of San Diego's Coastal Zone and/or within Designated Historic Districts. Project locations and the associated areas of potential affect may be adjacent to, but not encroach into the Multi-Habitat Planning Area (MHPA). Specific locations for near-term projects analyzed in this document are included below under Item 8 – Description of Project.
5. Project Applicant/Sponsor's name and address: City of San Diego, Engineering & Capital Projects Department, ~~City of San Diego Public Utilities Department - Water Department and City of San Diego Metropolitan Waste Water Division (MWW).~~
6. General Plan designation: City of San Diego Public Right-of-Way (PROW) land is not a designated land use in the General Plan. However, Right-of-Way is categorized as Road/Freeways/Transportation Facilities in the General Plan.
7. Zoning: Near-term and future projects would take place within various Public Right-of-ways and public easements within the City of San Diego. Adjacent zoning may include, but would not be limited to Open Space, Residential, Agricultural, Commercial, and Industrial.
8. Description of project (Describe the whole action involved, including but not limited to, later phases of the project, and any secondary, support, or off-site features necessary for its implementation.): COUNCIL APPROVAL to allow for the replacement, rehabilitation, relocation, point repair, new trenching, trenchless construction, and abandonment of water and/or sewer pipeline alignments and associated improvements such as curb ramps, sewer lateral connections, water service connections, manholes, new pavement/slurry, the removal and/or replacement of street trees and the removal and/or replacement of street lights. This environmental document covers the analysis for ~~five~~ four (4) near-term pipeline projects (Harbor Drive Pipeline, Water Group 949, ~~Sewer Group 787~~, Water Group 914, and Sewer/Water Group 732), as well as any subsequent future pipeline projects. The construction footprint for a typical pipeline project, including staging areas and other areas (such as access) would be located within the City of San Diego Public Right-of-Way (PROW) and/or within public easements and may include planned pipeline construction within private easements from the PROW to the service connection. A signed agreement between the City and the property owner would be required for work conducted on private property. Project types that would be included in the analysis contained herein would consist of sewer and water group jobs, trunk sewers, large diameter water pipeline

projects, new and/or replacement manholes, new/or replacement fire hydrants, and other necessary appurtenances. All associated equipment would be staged within the existing PROW adjacent to the work areas. The near-term and future projects covered in the document would not impact *Sensitive Biological Resources* or *Environmentally Sensitive Lands (ESL)* as defined in the Land Development Code and would not encroach into the City's Multi-Habitat Planning Area (MHPA).

Construction for the near-term and any future projects is anticipated to occur during the daytime hours Monday through Friday, but may occur during the weekend, if necessary. The contractor would comply with all applicable requirements described in the latest edition of the *Standard Specifications for Public Works Construction ("GREENBOOK")* and the latest edition of the *City of San Diego Standard Specifications for Public Works Construction ("WHITEBOOK")*. The City's supplement addresses unique circumstances to the City of San Diego that are not addressed in the GREENBOOK and would therefore take precedence in the event of a conflict. The contractor would also comply with the California Department of Transportation *Manual of Traffic Controls for Construction and Maintenance Work Zones*. If the Average Daily Traffic (ADT) within a given project(s) vicinity is 10,000 ADT or greater, a traffic control plan would be prepared and implemented in accordance with the *City of San Diego Standard Drawings Manual of Traffic Control for Construction and Maintenance Work Zones*. For proposals subject to 10,000 ADT or less, traffic control may be managed through shop drawings during construction. Construction methods to be employed would consist of, but not be limited to:

**Open Trenching:** The open trench method of construction would be used for complete replacement and new alignment portions of the project. Trenches are typically four feet wide and are dug with excavations and similar large construction equipment.

**Rehabilitation:** Rehabilitation of alignment involves installing a new lining in old pipelines. The insertion is done through existing manhole access points and does not require removal of pavement or excavation of soils.

**Abandonment:** Pipeline abandonment activities would be similar to rehabilitation methods in that no surface/subsurface disturbance would occur. This process may involve slurry or grout material injected into the abandoned lines via manhole access. The top portion of the manhole is then typically removed and the remaining space backfilled and paved over.

**Potholing:** Potholing would be used to verify reconnection of laterals to main where lines would be raised or realigned (higher than existing depth, but still below ground) or to verify utility crossings. These "potholes" are made by using vacuum type equipment to open up small holes into the street of pavement.

**Point Repairs:** Point repairs include replacing a portion of a pipe segment by open trench excavation methods in which localized structural defects have been identified. Generally, point repairs are confined to an eight-foot section of pipe.

The following near term project(s) have been reviewed by the City of San Diego, Development Services Department (DSD) for compliance with the Land Development Code and have been determined to be exempt from a Site Development Permit (SDP) and/or a Coastal Development Permit (CDP). These projects would involve excavation in

areas having a high resource sensitivity and potential for encountering archaeological and paleontological resources during construction related activities. Therefore, mitigation would be required to reduce potential significant impacts to archaeological and paleontological resources to below a level of significance. With respect to Storm Water, all projects would be reviewed for compliance with the City's Storm Water Standards Manual. All projects that are not-exempt from the Standard Urban Storm Water Mitigation Plan (SUSMP) would incorporate appropriate Permanent Best Management Practices (BMPs) and construction BMPs into the project design(s) and during construction, as required. As such, all projects would comply with the requirement of the Municipal Storm Water Permit.

#### HARBOR DRIVE PIPELINE (PROJECT NO. 206100)

The Harbor Drive Pipeline includes the replacement of 4.4 miles of 16-inch cast iron (CI) and asbestos cement (AC) pipe that comprises the Harbor Drive 1<sup>st</sup> and 2<sup>nd</sup> Pipelines (HD-1 and HD-2) at a depth no greater than five (5) feet. Facility age and cast iron main replacement are the primary drivers for these projects, but due to the history of AC breaks in the area, approximately 1.0 mile of AC replacement is also included. The project is anticipated to be awarded in Fiscal Year 2013.

HD-1 and HD-2 were built primarily in the 1940's and 1950's and were made out of cast iron or asbestos cement and serve the western most part of the University Heights 390 Zone and the northern section of the Point Loma East 260 Zone. The pipelines also serve as redundancy to each other. Several segments were replaced by various City of San Diego Public Utilities Department projects throughout the years and those segments are not a part of the current scope. Previously replaced segments were 16 inch PVC, except for the bridge crossing which used 24-inch CMLC. The pipeline is located entirely within the PROW, will not require any easements, and is not adjacent to the MHPA or located within any designated historical districts. The following streets would be affected by this project: West Laurel, Pacific Highway, North Harbor Drive (within the roadway, under the bridge and within landscape areas), Nimitz Boulevard, Rosecrans Street, Evergreen Street, Hugo Street, Locust Street, Canon Street, Avenida De Portugal, and Point Loma Avenue.

#### WATER GROUP 949 (PROJECT NO. 232719)

Water Group 949 would consist of the replacement and installation of 5.27 miles of water mains within the Skyline- Paradise Hills, University, Clairemont Mesa, Southeastern San Diego (Greater Golden Hills) community planning areas. 16,931 Linear Feet (LF) of 16-inch cast iron water mains would be replace-in-place with new 16-inch polyvinyl chloride (PVC) pipe within the existing trench. The remaining 10,913 LF of new 16-inch PVC would be installed in new trenches All work within Regents Road, Site 2 (Figure 8), adjacent to the MHPA would only occur within the developed footprint such as the paved right of way, and concrete sidewalk or slab areas. In addition, all work within 100 feet of the MHPA would observe mitigation such as but not limited to bird breeding season measures, avoidance of discharge to the MHPA, and avoidance of direct lighting towards the MHPA areas. As such, no impacts to MHPA and/or sensitive resources would occur. The project would also include replacement and reinstallation of valves, water services, fire hydrants, and other appurtenances and would also included the construction of curb ramps, and street resurfacing. Traffic control

measures and Best Management Practices (BMPs) would be implemented during construction. Any street tree removal, relocation, and/or trimming would be done under the supervision of the City Arborist. All staging of construction equipment will be located outside of any potentially sensitive areas. The following streets and nearby alleyways would be affected by this project: Tuther Way, Cielo Drive, Woodman Street, Skyline Drive, Regents Road, Hidalgo Avenue, Clairemont Mesa Boulevard, Luna Avenue, B Street, F Street, Ash Street, 25<sup>th</sup> Street, and 27<sup>th</sup> Street.

#### SEWER GROUP 787 (PROJECT NO. 231928)

~~Sewer Group 787 would consist of the replacement of 26,436 lineal feet (LF) of existing 16-inch cast iron sewer pipe with new 16-inch polyvinyl chloride (PVC) pipe within the existing trench. A total of 1,267 LF of new 16-inch PVC sewer alignment would be installed in new trenches. In addition, the project would abandon 1,606 LF of existing 16-inch cast iron pipe. The proposed project would be installed by conventional excavation (open trench) in trenches from 3-5 feet deep. The project would affect the following streets and nearby alleyways: 42<sup>nd</sup> Street, Monroe Avenue, Edgeware Road, Polk Avenue, Orange Avenue, Menlo Avenue, 47<sup>TH</sup> Street, Dwight Street, Myrtle Avenue, Manzanita Place, Heather Street, Dahlia Street, Poplar Street, Columbine Street, Pepper Drive, Juniper Street, Marigold Street, Sumac Drive, 44<sup>TH</sup> Street, Laurie Lane, and Roseview Place all within the City Heights and Kensington-Talmadge Community Planning Areas.~~

#### WATER GROUP 914 (PROJECT NO. 233447)

Water Group 914 would consist of the replacement and installation of approximately 21,729 lineal feet (LF) of existing 6-inch, 8-inch and 12-inch cast iron pipes and 6-inch asphalt concrete pipes with new 8-inch, 12-inch and 16-inch polyvinyl chloride (PVC) pipe. Also included would be the construction of two underground pressure regulator stations that measure 54 square-feet and 6.5 feet deep each. 17,472 LF would be located in existing trenches and 4,257 LF would be located in new trench lines. The proposed project would be installed by conventional excavation (open trench) in trenches from 3-5 feet deep. However two 300 LF parallel line sections (600 LF total) of the water alignment would be installed by trenchless methodology utilizing two (2) 40 square foot launch and receiver pits. The trenchless installation would occur at the intersection of Coronado Avenue and Ebers Street and is designed to avoid a recorded archaeological resource at this intersection. The trenchless methodology would employ directional underground boring that would install the pipe at a depth deeper than the recorded resource. In addition, a 4-inch AC water segment of approximately 520 LF located along Point Loma Avenue between Guizot Street and Santa Barbara Street will be abandoned in place. The project would affect the following streets and nearby alleyways: Point Loma Avenue, Santa Barbara Street, Bermuda Avenue, Pescadero Avenue, Cable Street, Orchard Avenue, Froude Street, Sunset Cliffs Boulevard, Savoy Circle, and Del Monte Avenue all within the Ocean Beach and Peninsula Community Planning Areas.

#### SEWER AND WATER GROUP 732 (PROJECT NO. 206610)

Sewer and Water Group Job 732 would consist of the installation of approximately 5,500 total linear feet (LF) of 8 inch Polyvinyl Chloride (PVC) sewer pipe, and approximately

3,000 total linear feet (LF) of 12 inch PVC water pipe. Approximately, 1,035 LF of water pipe would be rehabilitated using trenchless technology in the same trench, with the remainder of the installation accomplished through open trenching. Related work would include construction of new manholes, replacement and re-plumbing of sewer laterals, installation of curb ramps, pavement restoration, traffic control, and storm water best management practices. Construction of the project would affect portions of the following streets and adjacent alleys in the Peninsula Community Plan area: Xenophon Street, Yonge Street, Zola Street, Alcott Street, Browning Street, Plum Street, Willow Street, Evergreen Street, Locust Street, and Rosecrans Street.

#### **SUBSEQUENT PIPELINE PROJECT REVIEW (LONG TERM)**

Applications for the replacement, rehabilitation, relocation, point repair, open trenching and abandonment of water and/or sewer pipeline alignments within the City of San Diego PROW as indicated in the Subject block above and in the Project Description discussion of the Initial Study would be analyzed for potential environmental impacts to Historical Resources (Archaeology, Paleontology and the Built Environment) and Land Use (MSCP/MHPA), and reviewed for consistency with this Mitigated Negative Declaration (MND). Where it can be determined that the project is "consistent" with this MND and no additional potential significant impacts would occur pursuant to State CEQA Guideline § 15162 (i.e. the involvement of new significant environmental effects of a substantial increase in the severity of previously identified effects) or if the project would result in minor technical changes or additions, then an Addendum to this MND would be prepared pursuant to §15164. Where future projects are found not to be consistent with this MND, then a new Initial Study and project specific MND shall be prepared.

9. Surrounding land uses and setting. Briefly describe the project's surroundings: The scope of the MND is city-wide and future projects would be located within the Right-of-Way, which is categorized as Road/Freeways/Transportation Facilities in the General Plan. Surrounding land uses would vary depending on the location proposed.
10. Other public agencies whose approval is required (e.g., permits, financing approval, or participation agreement.): None.

**ENVIRONMENTAL FACTORS POTENTIALLY AFFECTED:**

The environmental factors checked below would be potentially affected by this project, involving at least one impact that is a "Potentially Significant Impact" as indicated by the checklist on the following pages.

- |   |  |   |
|---|--|---|
| <input type="checkbox"/> Aesthetics                         | <input type="checkbox"/> Greenhouse Gas Emissions      | <input type="checkbox"/> Population/Housing                         |
| <input type="checkbox"/> Agriculture and Forestry Resources | <input type="checkbox"/> Hazards & Hazardous Materials | <input type="checkbox"/> Public Services                            |
| <input type="checkbox"/> Air Quality                        | <input type="checkbox"/> Hydrology/Water Quality       | <input type="checkbox"/> Recreation                                 |
| <input type="checkbox"/> Biological Resources               | <input checked="" type="checkbox"/> Land Use/Planning  | <input type="checkbox"/> Transportation/Traffic                     |
| <input checked="" type="checkbox"/> Cultural Resources      | <input type="checkbox"/> Mineral Resources             | <input type="checkbox"/> Utilities/Service System                   |
| <input type="checkbox"/> Geology/Soils                      | <input type="checkbox"/> Noise                         | <input checked="" type="checkbox"/> Mandatory Findings Significance |

**DETERMINATION:** (To be completed by Lead Agency)

On the basis of this initial evaluation:

- The proposed project COULD NOT have a significant effect on the environment, and a NEGATIVE DECLARATION will be prepared.
- Although the proposed project could have a significant effect on the environment, there will not be a significant effect in this case because revisions in the project have been made by or agreed to by the project proponent. A MITIGATED NEGATIVE DECLARATION will be prepared.
- The proposed project MAY have a significant effect on the environment, and an ENVIRONMENTAL IMPACT REPORT is required.
- The proposed project MAY have a "potentially significant impact" or "potentially significant unless mitigated" impact on the environment, but at least one effect (a) has been adequately analyzed in an earlier document pursuant to applicable legal standards, and (b) has been addressed by mitigation measures based on the earlier analysis as described on attached sheets. An ENVIRONMENTAL IMPACT REPORT is required.
- Although the proposed project could have a significant effect on the environment, because all potentially significant effects (a) have been analyzed adequately in an earlier EIR or (MITIGATED) NEGATIVE DECLARATION pursuant to applicable standards, and (b) have been avoided or mitigated pursuant to that earlier EIR or (MITIGATED) NEGATIVE DECLARATION, including revisions or mitigation measures that are imposed upon the proposed project, nothing further is required.

Issue	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
-------	--------------------------------	--	------------------------------	-----------

I) AESTHETICS – Would the project:

- a) Have a substantial adverse effect on a scenic vista?

Near-term or future projects would involve the replacement, rehabilitation, relocation, point repair, new trenching, and abandonment of water and/or sewer alignments and associated improvements such as curb ramps, pedestrian ramps, lateral connections, manholes all located below the existing PROW. It is not anticipated that removal and/or replacement of street trees and the removal and/or replacement of street lights; therefore scenic vistas would not be impacted.

- b) Substantially damage scenic resources, including but not limited to, trees, rock outcroppings, and historic buildings within a state scenic highway?

Near-term or future projects may involve work that could affect street trees, historic buildings or a scenic state highway; however, any work of this type would be reviewed by qualified historical staff to ensure that construction related activities not impact the integrity of the any scenic resources. Additionally, any associated street improvements, if located within a historic district, would be required to comply with the mitigation measures incorporated in Section V of this MND.

- c) Substantially degrade the existing visual character or quality of the site and its surroundings?

Please see I.b.

- d) Create a new source of substantial light or glare that would adversely affect day or nighttime views in the area?

The scope of development for near-term and/or future projects would predominantly be located below existing grade, with the possible exception of any associated street improvements (e.g. curb ramps, pedestrian ramps, street trees, etc.). The removal and/or replacement of street lights within any particular project alignment would not create a new source of substantial light or glare. Additionally, no associated street improvements would involve the use of highly reflective materials. Therefore, the project would not have the potential to create substantial light or glare impacts.

II) AGRICULTURAL AND FOREST RESOURCES: In determining whether impacts to agricultural resources are significant environmental effects, lead agencies may refer to the California Agricultural Land Evaluation and Site Assessment Model (1997) prepared by the California Department of Conservation as an optional model to use in assessing impacts on agriculture and farmland. In determining whether impacts to forest resources, including timberland, are significant environmental

Issue	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
-------	--------------------------------	--	------------------------------	-----------

effects, lead agencies may refer to information compiled by the California Department of Forestry and Fire Protection regarding the state's inventory of forest land, including the Forest and Range Assessment Project and the Forest Legacy Assessment project; and forest carbon measurement methodology provided in Forest Protocols adopted by the California Air Resources Board. – Would the project:

- a) Converts Prime Farmland, Unique Farmland, or Farmland of Statewide Importance (Farmland), as shown on the maps prepared pursuant to the Farmland Mapping and Monitoring Program of the California Resources Agency, to non-agricultural use?

Near-term and/or future pipeline alignments would be located within the developed PROW which would not be classified as farmland by the Farmland Mapping and Monitoring Program (FMMP). Any adjacent areas in agricultural production would not be affected by near-term and/or future pipeline projects. Therefore, the project in and of itself would not result in the conversion of farmland to non-agricultural uses.

- b) Conflict with existing zoning for agricultural use, or a Williamson Act Contract?

Please see II.a

- c) Conflict with existing zoning for, or cause rezoning of, forest land (as defined in Public Resources Code section 1220(g)), timberland (as defined by Public Resources Code section 4526), or timberland zoned Timberland Production (as defined by Government Code section 51104(g))?

The public right of way and land surrounding any near-term and/or future pipeline alignments is not zoned as forest land as all areas are within the urbanized boundaries of the City of San Diego. Therefore, the project would not conflict with existing zoning for forest land.

- d) Result in the loss of forest land or conversion of forest land to non-forest use?

The project is located within the developed public right of way and the land surrounding any near-term and/or future pipeline alignments is not designated forest land as all areas are within the urbanized boundaries of the City of San Diego. Therefore, the project would not convert forest land to a non-forest use.

Issue	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
e) Involve other changes in the existing environment, which, due to their location or nature, could result in conversion of Farmland to non-agricultural use or conversion of forest land to non-forest use?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

The project would not involve a change in land use and would not impact farmland or forestland.

III. AIR QUALITY – Where available, the significance criteria established by the applicable air quality management or air pollution control district may be relied on to make the following determinations - Would the project:

a) Conflict with or obstruct implementation of the applicable air quality plan?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
---	--------------------------	--------------------------	-------------------------------------	--------------------------

Near-term and/or future pipeline alignments would not involve any future actions that would generate air quality emissions as a result of the proposed use (e.g. vehicle miles traveled, etc). However, emission would occur during the construction phase of the project and could increase the amount of harmful pollutants entering the air basin. The emissions would be minimal and would only occur temporarily during construction. Additionally, the construction equipment typically involved in water/sewer projects is small-scale and generates relatively few emissions. When appropriate, dust suppression methods would be included as project components. As such, any near-term and/or future projects would not be inconsistent with the region's air quality plan.

b) Violate any air quality standard or contribute substantially to an existing or projected air quality violation?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
--	--------------------------	--------------------------	-------------------------------------	--------------------------

Please see III.a

c) Result in a cumulatively considerable net increase of any criteria pollutant for which the project region is non-attainment under an applicable federal or state ambient air quality standard (including releasing emissions which exceed quantitative thresholds for ozone precursors)?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
---	--------------------------	--------------------------	-------------------------------------	--------------------------

As described above, construction operations could temporarily increase the emissions of dust and other pollutants. However, construction emissions would be temporary and implementation of Best Management Practices would reduce potential impacts related to construction activities to

Issue	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
-------	--------------------------------	--	------------------------------	-----------

below a level of significance. Therefore, any near-term and/or future pipeline alignments would not result in a cumulatively considerable net increase of any criteria pollutant for which the project is non-attainment in the region under applicable federal or state ambient air quality standards.

- d) Expose sensitive receptors to substantial pollutant concentrations?

Construction operations could temporarily increase the emissions of harmful pollutants, which could affect sensitive receptors adjacent to the project. However, construction emissions would be temporary and it is anticipated that implementation of construction BMPs would reduce potential impacts related to construction activities to minimal levels. Therefore, any near-term and/or future pipeline projects would not expose sensitive receptors to substantial pollutant concentrations.

- e) Create objectionable odors affecting a substantial number of people?

Operation of construction equipment and vehicles could generate odors associated with fuel combustion. However, these odors would dissipate into the atmosphere upon release and would only remain temporarily in proximity to the construction equipment and vehicles. Therefore, any near-term and/or future pipeline projects would not create substantial amounts of objectionable odors affecting a substantial number of people.

IV. BIOLOGICAL RESOURCES – Would the project:

- a) Have substantial adverse effects, either directly or through habitat modifications, on any species identified as a candidate, sensitive, or special status species in local or regional plans, policies, or regulations, or by the California Department of Fish and Game or U.S. Fish and Wildlife Service?

Near-term and/or future pipeline projects would be limited to development proposals that do not impact Sensitive Biological Resources. Any near-term and/or future actions that would impact Sensitive Biological Resources would not be consistent with this MND and a new Initial Study and MND would be prepared in accordance with the provisions of CEQA.

- b) Have a substantial adverse effect on any riparian habitat or other community identified in local or

Issue	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
-------	--------------------------------	--	------------------------------	-----------

regional plans, policies, and regulations or by the California Department of Fish and Game or U.S. Fish and Wildlife Service?

See IV. b)

- c) Have a substantial adverse effect on federally protected wetlands as defined by Section 404 of the Clean Water Act (including but not limited to marsh, vernal pool, coastal, etc.) through direct removal, filling, hydrological interruption, or other means?

Any near-term and/or future pipeline projects would be located in the developed public right of way where wetlands would not be present, either within or adjacent to the project's boundaries. Therefore, any near-term and/or future pipeline projects do not have the potential to impact these resources. Any near-term and/or future actions that would impact wetland resources would not be consistent with this MND and a new Initial Study and MND would be prepared in accordance with the provisions of CEQA.

- d) Interfere substantially with the movement of any native resident or migratory fish or wildlife species or with established native resident or migratory wildlife corridors, or impede the use of native wildlife nursery sites?

Any near-term and/or future pipeline projects would not result in adverse impacts on wildlife movement in the project's areas. As previously mentioned above, these projects would be located in the developed public right of way which would not contain wildlife corridors.

- e) Conflict with any local policies or ordinances protecting biological resources, such as a tree preservation policy or ordinance?

Any near-term and/or future pipeline projects would not conflict with any local policies or ordinances protecting biological resources, such as a tree preservation policy or ordinance. Any near-term and/or future pipeline projects may involve associated street improvements such as the replacement of street trees. However, trees that are covered under any kind of a preservation policy or ordinance would not be part of any future actions. Additionally, future project areas would lack any sensitive biological resources and would not require the removal of any unique or

Issue	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
sensitive trees. As such, the project would not result in conflict with local policies protecting biological resources.				
f) Conflict with the provisions of an adopted Habitat Conservation Plan, Natural Community Conservation Plan, or other approved local, regional, or state habitat conservation plan?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Near-term and/or future pipeline projects may be located in close proximity to, or adjacent to the City's Multi-Habitat Planning Area (MHPA), but not within the MHPA. MHPA Land Use Adjacency mitigation has been incorporated into the Mitigation, Monitoring and Reporting Program (MMRP), to mitigate indirect impacts to the MHPA. Therefore, the project does not have the potential to impact any habitat conservation plans and would not result in indirect impacts to the MHPA.

V. CULTURAL RESOURCES – Would the project:

a) Cause a substantial adverse change in the significance of an historical resource as defined in §15064.5?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
---	--------------------------	-------------------------------------	--------------------------	--------------------------

The purpose and intent of the *Historical Resources Regulations of the Land Development Code (Chapter 14, Division 3, and Article 2)* is to protect, preserve and, where damaged, restore the historical resources of San Diego. The regulations apply to all proposed development within the City of San Diego when historical resources are present on the premises.

CEQA requires that before approving discretionary projects, the Lead Agency must identify and examine the significant adverse environmental effects, which may result from that project. A project that may cause a substantial adverse change in the significance of a historical resource may have a significant effect on the environment (Sections 15064.5(b) and 21084.1). A substantial adverse change is defined as demolition, destruction, relocation, or alteration activities, which would impair historical significance (Sections 15064.5(b)(1)). Any historical resource listed in, or eligible to be listed in the California Register of Historical Resources, including archaeological resources, is considered to be historically or culturally significant.

Near-term and/or future pipeline projects may include future actions that would be analyzed for the potential to impact archaeological resources. For those proposals that include ground disturbing activities and are located within mapped areas of the City that indicate a potential for the discovery of archaeological resource, monitoring would be required. As such, when required, archaeological monitoring would reduce potential impacts to archaeological resources to below a level of significance.

Issue	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
-------	--------------------------------	--	------------------------------	-----------

Any near-term or future project which is located within a designated historical district would be subject to review by qualified historical staff to determine whether the project would have an adverse effect on the district requiring specific mitigation, as detailed in Section V., of the MND or if the project requires further review in accordance with the Historical Resources Regulations. A project which would adversely affect a designated historical district because it could not comply with the Secretary of the Interior Standards or implement the required MMRP would not be consistent with this MND and a new Initial Study and MND would be prepared in accordance with the provisions of CEQA.

- b) Cause a substantial adverse change in the significance of an archaeological resource pursuant to §15064.5?

Near-term and/or future pipeline projects would include work that requiring trenching in areas where there is a potential for archaeological resources to be encountered. As such, the requirement for archaeological monitoring has been included in the MMRP. Projects that would have a direct impact on a recorded or designated archaeological site which requires Phase 2 Testing and mitigation measures (e.g. Archaeology Data Recovery Program) would not be consistent with this MND and a new Initial Study and MND would be prepared in accordance with the provisions of CEQA. Projects which could be found to be adequately covered under this MND and only require monitoring would not result in a significant adverse change in the significance of a resource pursuant to §15064.5 with implementation of the MMRP identified in Section V., of the MND.

- c) Directly or indirectly destroy a unique paleontological resource or site or unique geologic feature?

Near-term and/or future pipeline projects may include work that is underlain by sensitive fossil bearing formations which could be impacted if trenching is anticipated at depths greater than 10 feet. Therefore, based on the sensitivity of the affected formation and the proposed excavation depths, the project could result in significant impacts to paleontological resources.

To reduce this impact to below a level of significance, excavation within previously undisturbed formations at a depth of 10 or more feet would be monitored by a qualified paleontologist or paleontological monitor. Any significant paleontological resources encountered would be recovered and curated. Paleontological monitoring would be required and would reduce potential impacts to below a level of significance.

- d) Disturb any human remains, including those interred outside of formal cemeteries?

A potential to encounter human remains during construction activity within the City's public right-of-way exists for any near-term or future pipeline alignment project; especially in areas where work would occur within high sensitivity areas for archaeological resources which can include Native American remains. Mitigation measures addressing the unanticipated discovery

Issue	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
-------	--------------------------------	--	------------------------------	-----------

of Native American human remains are included in Section V of the MMRP. Implementation of these measures would reduce potential unanticipated impacts to below a level of significance.

For projects that are not covered under this environmental document (e.g., meet the criteria for a Statutory or Categorical Exemption under CEQA), then standard language regarding the unanticipated discovery of human remains of unknown origin found in the *City of San Diego Standard Specifications for Public Works Construction ("WHITEBOOK")* would take precedence. Upon notification by the Contractor of the discovery of human remains of unknown origin, these requirements require that the Engineer shall immediately notify the San Diego County Coroner to start the investigation process, in accordance with the California Health and Safety Code §§7050.5 and 7051 and the California Public Resources Code.

VI. GEOLOGY AND SOILS – Would the project:

a) Expose people or structures to potential substantial adverse effects, including the risk of loss, injury, or death involving:

- |  |                          |                          |                          |                                     |
|--|--------------------------|--------------------------|--------------------------|-------------------------------------|
| i) Rupture of a known earthquake fault, as delineated on the most recent Alquist-Priolo Earthquake Fault Zoning Map issued by the State Geologist for the area or based on other substantial evidence of a known fault? Refer to Division of Mines and Geology Special Publication 42. | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
|--|--------------------------|--------------------------|--------------------------|-------------------------------------|

Near-term and/or future pipeline projects would utilize proper engineering design and standard construction practices in order to ensure that potential impacts in this category based on regional geologic hazards would remain less than significant. Therefore, risks from rupture of a known earthquake fault would be below a level of significance.

- |                                    |                          |                          |                          |                                     |
|------------------------------------|--------------------------|--------------------------|--------------------------|-------------------------------------|
| ii) Strong seismic ground shaking? | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
|------------------------------------|--------------------------|--------------------------|--------------------------|-------------------------------------|

Near-term and/or future pipeline projects would not expose people or structures to strong seismic ground shaking. The design of the proposed project and any subsequent projects would utilize proper engineering design and standard construction practices to ensure that the potential for impacts from ground shaking would be below a level of significance.

- |  |                          |                          |                          |                                     |
|--|--------------------------|--------------------------|--------------------------|-------------------------------------|
| iii) Seismic-related ground failure, including | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
|--|--------------------------|--------------------------|--------------------------|-------------------------------------|

Issue	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
-------	--------------------------------	--	------------------------------	-----------

liquefaction?

The design of any near-term and/or future pipeline projects would utilize proper engineering design standard construction practices to ensure that the potential for impacts from seismic-related ground failure, including liquefaction would be below a level of significance.

- iv) Landslides?

Near-term and/or future pipeline projects would not include actions that would expose people or structures to the risk of loss, injury, or death involving landslides. Pipeline design for projects covered under this MND would utilize proper engineering design and standard construction practices to ensure that the potential for impacts would be below a level of significance.

- b) Result in substantial soil erosion or the loss of topsoil?

Construction of the near-term and/or future pipeline projects covered under this MND would take place within the developed public right of way. Any disturbances to streets and alleys would be replaced in kind. Additionally, appropriate BMPs aimed at preventing soil erosion would be incorporated during construction and design of the project. As such, project implementation would not result in a substantial amount of soil erosion or loss of topsoil.

- c) Be located on a geologic unit or soil that is unstable, or that would become unstable as a result of the project, and potentially result in on- or off-site landslide, lateral spreading, subsidence, liquefaction or collapse?

Near-term and/or future pipeline projects are located entirely within the City's PROW (See project descriptions). It is possible, that any near-term and/or future projects may be located throughout the City within the Public Right-of-Way and may be located within various Geologic Hazard Categories. However, proper engineering design and utilization of standard construction practices would ensure that the potential for impacts would be less than significant.

- d) Be located on expansive soil, as defined in Table 18-1-B of the Uniform Building Code (1994), creating substantial risks to life or property?

The design of any near-term and/or future pipeline projects would utilize proper engineering design and utilization of standard construction practices would ensure that the potential for impacts would be less than significant.

Issue	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
e) Have soils incapable of adequately supporting the use of septic tanks or alternative waste water disposal systems where sewers are not available for the disposal of waste water?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

The design of any near-term and/or future pipeline projects covered under this MND would utilize proper engineering design and standard construction practices to ensure that the potential for impacts would be below a level of significance.

VII. GREENHOUSE GAS EMISSIONS - Would the project:

a) Generate greenhouse gas emissions, either directly or indirectly, that may have a significant impact on the environment?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
---	--------------------------	--------------------------	-------------------------------------	--------------------------

The City of San Diego is utilizing the California Air Pollution Control Officers Association (CAPCOA) report "CEQA and Climate Change" (CAPCOA 2009) to determine whether a GHG analysis would be required for submitted projects. The CAPCOA report references a 900 metric ton guideline as a conservative threshold for requiring further analysis and possible mitigation. This emission level is based on the amount of vehicle trips, the typical energy and water use associated with projects, and other factors.

CAPCOA identifies project types that are estimated to emit approximately 900 metric tons of GHG's annually. This 900 metric ton threshold is roughly equivalent to 35,000 square feet of office space, 11,000 square feet of retail, 50 single-family residential units, 70 multi-family residential units and 6,300 square feet of supermarkets.

Since any future pipeline projects covered in this CEQA document do not fit in the categories listed above, a GHG modeling analysis would be conducted for each project.

A GHG modeling analysis was conducted for each near-term project also covered in the MND. This modeling was conducted to determine the level of GHG emissions. The Roadway Construction Emissions Model is a spreadsheet program created by the Sacramento Metropolitan Air Quality Management District to analyze construction related GHGs and was utilized to quantify the project's GHG emissions. The model utilizes project information (e.g. total construction months, project type, construction equipment, grading quantities and the total disturbance area, etc.) to quantify GHG emissions from heavy-duty construction equipment, haul trucks, and worker commute trips associated with linear construction projects.

**Harbor Drive project:** Results of the Roadway Construction Emissions Model output demonstrated that during the 6 months of construction the project would generate approximately 250 metric tons of emissions per year. On an annualized basis, the output would be approximately 500 metric tons per year. The output for the project falls well below the 900 metric ton per year figure. Therefore, based

Issue	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
-------	--------------------------------	--	------------------------------	-----------

upon the analysis showed above the project would result in a less than significant CEQA Greenhouse gas impact and mitigation would not be required.

**Sewer/Water Job 732:** Results of the Roadway Construction Emissions Model output demonstrated that the project duration of 6 months, and assuming a May start date, this project would produce 162.5 metric tons of CO2 in the first year and 0 metric tons of CO2 the second year. The output for the project falls well below the 900 metric ton figure. Therefore, based upon the analysis showed above the project would result in a less than significant CEQA Greenhouse gas impact and mitigation would not be required.

~~**Sewer Group 787:** Results of the Roadway Construction Emissions Model output demonstrated that this project would produce a total of 555.9 metric tons of CO2 during the 19 month construction period. Assuming a September start, 117.0 metric tons would be generated in the second year, and 87.8 metric tons of CO2 would be generated in the third year. The project's estimated GHG emissions results are well below the 900 metric tons of CO2 and; therefore, impacts are less than CEQA significant and mitigation would not be required.~~

**Water Group 914:** Results of the Roadway Construction Emissions Model output demonstrated that this project's duration is 14 months and assuming a September start date the project would produce 141.5 metric tons of CO2 in the first year, and 353.7 metric tons of CO2 in the second year. The project's estimated GHG emissions results are well below the 900 metric tons of CO2 and; therefore, impacts are less than CEQA significant and mitigation would not be required.

**Water Group 949:** Results of the Roadway Construction Emissions Model output demonstrated that the project duration of 6 months, and assuming a May start date, the project would produce 162.5 metric tons of CO2 in the first year and 0 metric tons of CO2 the second year. The output for the project falls well below the 900 metric ton figure. Therefore, based upon the analysis showed above the project would result in a less than significant CEQA Greenhouse gas impact and mitigation would not be required.

For a determination of whether future projects would be consistent with this MND, the Roadway Construction Emissions Model can be utilized. If the output is less than 900 metric tons of GHG annually, then no further analysis is needed and the project would be consistent with the GHG analysis in this document. If, however, the output from the Roadway Construction Emission Model is greater than 900 metric tons annually, then a formal GHG Analysis would be conducted incorporating appropriate mitigation measures. If the analysis indicates project implementation would result in 900 metric tons or more annually, then the project would not be consistent with the GHG analysis in this MND as the project would be required to incorporate mitigation to reduce its GHG output by 30% compared to the California Air Resources Board (CARB) 2020 business-as-usual forecast and a new Initial Study and MND would be prepared pursuant to CEQA.

- b) Conflict with an applicable plan, policy, or regulation adopted for the

Issue	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
-------	--------------------------------	--	------------------------------	-----------

purpose of reducing the emissions of greenhouse gases?

Please see VII.a. It is anticipated that the any near-term and/or future pipeline projects would not conflict with any applicable plans, policies, or regulations related to greenhouse gases.

VIII. HAZARDS AND HAZARDOUS MATERIALS – Would the project:

- a) Create a significant hazard to the public or the environment through routine transport, use, or disposal of hazardous materials?

Construction of any near-term and/or future pipeline projects covered under this MND may require the use of hazardous materials (e.g., fuels, lubricants, solvents, etc.) which would require proper storage, handling, use and disposal; however, these conditions would not occur during routine construction within the PROW. Construction specifications would include requirements for the contractor regarding where routine handling or disposal of hazardous materials could occur and what measures to implement in the event of a spill from equipment. Compliance with contract specifications would ensure that potential hazards are minimized to below a level of significance.

- b) Create a significant hazard to the public or the environment through reasonably foreseeable upset and accident conditions involving the release of hazardous materials into the environment?

Any near-term and/or future project alignments covered under this MND have the potential to traverse properties which could contain Leaking Underground Storage Tank (LUST) cleanup sites, permitted UST's, or contaminated sites located within a 1,000 feet from the project alignments; however, in the event that construction activities encounter underground contamination, the contractor would be required to implement § 803 of the City's "WHITEBOOK" for "Encountering or Releasing Hazardous Substances or Petroleum Products" of the City of San Diego Standard Specifications for Public Works Construction which is included in all construction documents and would ensure the proper handling and disposal of any contaminated soils in accordance with all applicable local, state and federal regulations. Compliance with these requirements would minimize the risk to the public and the environmental; therefore, impacts would remain less than significant.

- c) Emit hazardous emissions or handle hazardous or acutely hazardous materials, substances, or waste within one-quarter mile of an existing or proposed school?

Several of the near-term projects are located within a ¼ mile radius of an existing or proposed school

Issue	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
-------	--------------------------------	--	------------------------------	-----------

and would involve trenching activities that could result in the release of hazardous emissions if unanticipated contamination is encountered within the PROW. The same would be true for any future projects that may be proposed within ¼ mile of an existing or proposed school and would involve trenching activities that could result in the release of hazardous emissions if unanticipated contamination is encountered. In both cases, §803 of the City of San Diego's "WHITEBOOK" is included in all construction documents to ensure that appropriate protocols are followed pursuant to County DEH requirements should any hazardous conditions be encountered. As such, impacts regarding the handling or discovery of hazardous materials, substances or waste within close proximity of a school would be below a level of significance with implementation of the measures required pursuant to the contract specifications and County DEH oversight.

- d) Be located on a site which is included on a list of hazardous materials sites compiled pursuant to Government Code Section 65962.5 and, as a result, would it create a significant hazard to the public or the environment?

Although none of the near-term project alignments covered in the document are identified on a list of hazardous materials sites compiled pursuant to Government Code Section 65962.5, future projects could be located within close proximity to hazardous materials sites or within 1,000 feet from leaking USTs. However, as previously outlined in VIII a-c above, specific measures have been or will be incorporated into the contract specifications to address any contaminated soils encountered during construction related activities in accordance with local, state, and federal regulations. Therefore, with implementation of measures contained in the contract specifications, potential hazards would be reduced to below a level of significance.

- e) For a project located within an airport land use plan or, where such a plan has not been adopted, within two mile of a public airport or public use airport, would the project result in a safety hazard for people residing or working in the project area?

Several near-term projects covered in this MND (Harbor Drive Pipeline, Water Group 914, and Sewer/Water Group 732) are located within or in close proximity to the Airport Influence Area (AIA) of the San Diego International Airport's Airport Land Use Compatibility Plan (ALUCP). This geographically demarcated area that surrounds Lindbergh Field ensures that factors such as noise, land use, safety and airspace protection are considered anytime a land use decision is made. Since these near-term projects and any future projects are linear underground projects, construction of these types of projects would not introduce any new features that would result in a safety hazard for people residing in or working in the area or create a flight hazard.

- f) For a project within the vicinity of a private airstrip, would the project

Issue	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
-------	--------------------------------	--	------------------------------	-----------

result in a safety hazard for people residing or working in the project area?

None of the near-term or future project alignments would be located within the vicinity of a private airstrip; no provide airstrips are located with the jurisdictional boundaries of the City of San Diego; therefore, no impact would result under this category.

- g) Impair implementation of or physically interfere with an adopted emergency response plan or emergency evacuation plan?

Construction of any near-term or future projects would temporarily affect traffic circulation within the project Area of Potential Effect (APE) and its adjoining roads. However, an approved Traffic Control Plan would be implemented during construction which would allow emergency plans to be employed. Therefore, the project would not physically interfere with an adopted emergency response plan or emergency evacuation plan.

- h) Expose people or structures to a significant risk of loss, injury or death involving wildland fires, including where wildlands are adjacent to urbanized areas or where residences are intermixed with wildlands?

Construction of any near-term or future projects would be located within the City's Public Right-of-Way and would not be located within or adjacent wildlands that could pose a threat of wildland fires. Additionally, sewer and water infrastructure projects would not introduce any new features that would increase the risk of fire.

IX. HYDROLOGY AND WATER QUALITY - Would the project:

- a) Violate any water quality standards or waste discharge requirements?

Potential impacts to existing water quality standards associated with the any near-term and/or future projects would include minimal short-term construction-related erosion/sedimentation, but would not include any long term operational storm water impacts. Any near-term and/or future projects would be required to comply with the City's Storm Water Standards Manual. Depending on the area of disturbance, projects would have to comply with either a Water Pollution Control Plan (WPCP) or Storm Water Pollution Prevention Plan (SWPPP). These plans would prevent or effectively minimize short-term water quality impacts during construction activities. Therefore, the proposed project would not violate any existing water quality standards or discharge requirements.

- b) Substantially deplete groundwater supplies or interfere substantially

Issue	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
-------	--------------------------------	--	------------------------------	-----------

with groundwater recharge such that there would be a net deficit in aquifer volume or a lowering of the local groundwater table level (e.g., the production rate of pre-existing nearby wells would drop to a level which would not support existing land uses or planned uses for which permits have been granted)?

Any near-term and/or future projects do not propose the use of groundwater. Furthermore, these projects would not introduce a substantially large amount of new impervious surfaces over ground that could interfere with groundwater recharge. Therefore, construction of these projects would not substantially deplete groundwater supplies or interfere substantially with groundwater recharge.

- c) Substantially alter the existing drainage pattern of the site or area, including through the alteration of the course of a stream or river, in a manner, which would result in substantial erosion or siltation on- or off-site?

Any near-term and/or future projects would be located below the surface of the developed public right of way within paved streets. Upon completion of the installation of the utility lines the streets would be returned to their preexisting conditions. Therefore these projects would not substantially alter any existing drainage patterns.

- d) Substantially alter the existing drainage pattern of the site or area, including through the alteration of the course of a stream or river, or substantially increase the rate or amount of surface runoff in a manner, which would result in flooding on- or off-site?

Please see IX.c.

- e) Create or contribute runoff water, which would exceed the capacity of existing or planned stormwater drainage systems or provide substantial additional sources of polluted runoff?

Issue	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
-------	--------------------------------	--	------------------------------	-----------

Conformance to BMPs outlined in an approved WPCP and compliance with the City Stormwater Standards would prevent or effectively minimize short-term construction runoff impacts from any near-term and/or future pipeline projects covered under the MND. Additionally, these projects would not result in a substantial increase in impervious surface, and therefore, would not contribute runoff water that would exceed the capacity of existing storm water systems.

- f) Otherwise substantially degrade water quality?

Conformance to BMPs outlined in an approved WPCP and compliance with the City Stormwater Standards would prevent or effectively minimize short-term construction runoff impacts from any near-term and/or future pipeline projects covered under the MND. See IX-a.

- g) Place housing within a 100-year flood hazard area as mapped on a federal Flood Hazard Boundary or Flood Insurance Rate Map or other flood hazard delineation map?

The near-term and/or future pipeline projects would not include the construction of any housing.

- h) Place within a 100-year flood hazard area, structures that would impede or redirect flood flows?

The near-term and/or future pipeline projects would not impede the direction of flows or substantially impact a 100-year flood hazard area.

- i) Expose people or structures to a significant risk of loss, injury or death involving flooding, including flooding as a result of the failure of a levee or dam?

The near-term and/or future pipeline projects would not include any new features that would increase the risk associated with flooding beyond those of any existing conditions.

- j) Inundation by seiche, tsunami, or mudflow?

The near-term and/or future pipeline projects would not include any new features that would increase the risk associated with seiche, tsunami, or mudflow beyond those of any existing conditions.

X. LAND USE AND PLANNING – Would the project:

- a) Physically divide an established community?

Issue	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
-------	--------------------------------	--	------------------------------	-----------

Implementation of the near-term and/or future pipeline projects would involve replacing and installing utility infrastructure and would not introduce new features that could divide an established community.

- b) Conflict with any applicable land use plan, policy, or regulation of an agency with jurisdiction over the project (including but not limited to the general plan, specific plan, local coastal program, or zoning ordinance) adopted for the purpose of avoiding or mitigating an environmental effect?

Implementation of the near-term and/or future pipeline projects would involve replacing and installing utility infrastructure and would be consistent with all applicable land use plans, policies, or regulations of an agency with jurisdiction over the project and would not conflict with any land use plans.

- c) Conflict with any applicable habitat conservation plan or natural community conservation plan?

Implementation of the near-term and/or future pipeline projects would involve replacing and installing utility infrastructure located entirely within the developed public right of way. Although some projects could be located within proximity to the City's MHPA which is covered by the MSCP Subarea Plan, no conflicts are anticipated because implementation of the MHPA Land Use Adjacency Guidelines would be required for any project located within 100 feet from the MHPA. Measures to reduce potential indirect impacts to the City's MHPA have been included in the MMRP contained within Section V. of the MND.

XI. MINERAL RESOURCES – Would the project?

- a) Result in the loss of availability of a known mineral resource that would be of value to the region and the residents of the state?

Areas surrounding the near-term project alignments are not being used for the recovery of mineral resources. Similarly, these areas are also not designated for the recovery of mineral resources on the City of San Diego General Plan Land Use Map. Additionally, any future projects submitted for review in accordance with this MND would be evaluated based on their proximity to areas where mineral resources could be affected. At this time however, it is not anticipated that any future pipeline project, which would be located entirely within the PROW would result in the loss of

Issue	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
-------	--------------------------------	--	------------------------------	-----------

availability of a known mineral resource of value to the region and the state.

- b) Result in the loss of availability of a locally important mineral resource recovery site delineated on a local general plan, specific plan or other land use plan?

Areas surrounding the near-term project alignments have not been delineated as being used for the recovery of mineral resources or designated for the recovery of mineral resources on the City of San Diego General Plan Land Use Map. Additionally, any future projects submitted for review in accordance with this MND would be evaluated based on their proximity to areas where mineral resources could be affected. At this time however, it is not anticipated that any future pipeline project, which would be located entirely within the PROW would result in the loss of availability of a locally important mineral resource recovery site.

XII. NOISE – Would the project result in:

- a) Exposure of persons to, or generation of noise levels in excess of standards established in the local general plan or noise ordinance, or applicable standards of other agencies?

Any near-term or future pipeline projects covered under this MND would not in and of itself result in the generation of operational noise levels in excess of existing standards. However, some construction related noise would result, but would be temporary and transitory in nature and strictly regulated under San Diego Municipal Code Section 59.5.0404, "Noise Abatement and Control" which places limits on the hours of construction operations and standard decibels which cannot be exceeded. Therefore, people would not be exposed to noise levels in excess of those covered by existing noise regulations.

- b) Exposure of persons to, or generation of, excessive ground borne vibration or ground borne noise levels?

Any near-term or future pipeline projects covered under this MND would result in negligible ground disturbing vibrations during construction based on the type of equipment being used and the construction methodology being employed for each project type. Noise occurring during construction activities would be temporary and transitory in nature and would be strictly regulated under San Diego Municipal Code Section 59.5.0404, "Noise Abatement and Control" which places limits on the hours of construction operations and standard decibels which cannot be exceeded. Therefore, people would not be exposed to excessive ground disturbing vibration levels after completion of each project.

- c) A substantial permanent increase in ambient noise levels in the project

Issue	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
-------	--------------------------------	--	------------------------------	-----------

vicinity above levels existing without the project?

Any near-term or future pipeline projects covered under this MND all occur within the developed PROW would not permanently increase the ambient noise levels beyond those which exist without the project. Please see XII.a & b.

- d) A substantial temporary or periodic increase in ambient noise levels in the project vicinity above existing without the project?

A portion of one near-term project would be located along Harbor Drive where the existing noise environment is already high due to its proximity to Lindbergh Field and from high traffic patterns surrounding the airport and nearby businesses. Other near-term and/or future projects covered under this MND may occur City-wide and result in temporary construction related noise impacts; however, the increase in noise due to construction activities would be temporary in nature and strictly regulated in accordance with the Municipal Code. These temporary and periodic construction related noise increased would not be considered substantial and therefore, the increase in ambient noise levels would be less than significant. Please see XII.a.

- e) For a project located within an airport land use plan, or, where such a plan has not been adopted, within two miles of a public airport or public use airport would the project expose people residing or working in the area to excessive noise levels?

Several near-term projects covered in this MND (Harbor Drive Pipeline, Water Group 914, and Sewer/Water Group 732) are located within 2 miles of a public airport; specifically to the Airport Influence Area (AIA) of the San Diego International Airport's Airport Land Use Compatibility Plan (ALUCP). This geographically demarcated area that surrounds Lindbergh Field ensures that factors such as noise, land use, safety and airspace protection are considered anytime a land use decision is made. Although these near-term projects and any future projects are linear underground projects, construction would not in and of itself expose people residing in the area or construction workers to excessive noise levels beyond those that may currently exist. For projects within proximity to Lindbergh Field and heavily traveled roadways, the ambient noise level is already loud. Strict compliance with OSHA standards for worker safety would ensure that exposure to excessive noise levels would not occur for all other near-term and/or future pipeline projects.

- f) For a project within the vicinity of a private airstrip, would the project expose people residing or working in the project area to excessive noise levels?

Issue	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
-------	--------------------------------	--	------------------------------	-----------

None of the near-term projects are located within proximity to a private airstrip and it's not anticipated that any future projects would be either; mainly because no private airstrips are located in the urbanized areas within the City's jurisdictional boundaries. Therefore no impacts in this category would occur.

**XIII. POPULATION AND HOUSING – Would the project:**

- a) Induce substantial population growth in an area, either directly (for example, by proposing new homes and businesses) or indirectly (for example, through extension of roads or other infrastructure)?

The near-term and/or future pipeline projects would replace, rehabilitate and install new utility infrastructure. These upgrades are intended to improve currently outdated sewer and water systems in order to keep up with current demand. These projects would not extend any existing roadways into undeveloped areas or introduce any new roadways that could induce population growth and therefore, no impact would occur.

- b) Displace substantial numbers of existing housing, necessitating the construction of replacement housing elsewhere?

The near-term and/or future pipeline projects would replace, rehabilitate and install new utility infrastructure. These upgrades are intended to improve currently outdated sewer and water systems in order to keep up with current demand. These projects would not displace any housing.

- c) Displace substantial numbers of people, necessitating the construction of replacement housing elsewhere?

See XIII b).

**XIV. PUBLIC SERVICES**

- a) Would the project result in substantial adverse physical impacts associated with the provisions of new or physically altered governmental facilities, need for new or physically altered governmental facilities, the construction of which could cause significant environmental impacts, in order to maintain acceptable service rations, response times or other

Issue	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
-------	--------------------------------	--	------------------------------	-----------

performance objectives for any of the public services:

- i) Fire Protection

Any near-term or future pipeline project would not physically alter any fire protection facilities. Replacement and installation of utility infrastructure would not require any new or altered fire protection services. Future projects may require a Traffic Control Plan to ensure major disruptions to traffic flow do not occur. Disruptions to response times are not anticipated.

- ii) Police Protection

Any near-term or future pipeline project would not physically alter any fire protection facilities. Replacement and installation of utility infrastructure would not require any new or altered police protection services. Future projects may require a Traffic Control Plan to ensure major disruptions to traffic flow do not occur. Disruptions to response times are not anticipated.

- iii) Schools

Any near-term or future pipeline project would not physically alter any schools. Additionally, these projects would not include construction of future housing or induce growth that could increase demand for schools in the area.

- v) Parks

Any near-term or future pipeline project would not physically alter any parks. Therefore, these projects would not create demand for new parks or other recreational facilities.

- vi) Other public facilities

Any near-term or future pipeline project would not result in the increased demand for electricity, gas, or other public facilities. These projects would improve the sewer and water utility system to keep up with current and projected demand.

#### XV. RECREATION –

- a) Would the project increase the use of existing neighborhood and regional parks or other recreational facilities such that substantial physical deterioration of the facility would occur or be accelerated?

Implementation of the near-term and/or future pipeline projects would replace and improve utility infrastructure. The improved infrastructure would not allow for increased access to existing recreation areas. These projects would not directly generate additional trips to existing recreation areas or induce future growth that would result in additional trips to these facilities. Therefore, these

Issue	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
-------	--------------------------------	--	------------------------------	-----------

projects would not increase the use of existing recreational areas such that substantial physical deterioration of the facility would occur or be accelerated.

- b) Does the project include recreational facilities or require the construction or expansion of recreational facilities, which might have an adverse physical effect on the environment?

Implementation of the near-term and/or future pipeline projects would replace and improve utility infrastructure and would not include the construction of recreational facilities or require the construction or expansion of recreational facilities.

**XVI. TRANSPORTATION/TRAFFIC – Would the project?**

- a) Conflict with an applicable plan, ordinance or policy establishing measures of effectiveness for the performance of the circulation system, taking into account all modes of transportation including mass transit and non-motorized travel and relevant components of the circulation system, including but not limited to intersections, streets, highways and freeways, pedestrian and bicycle paths, and mass transit?

Construction of the near-term and/or future pipeline projects would temporarily affect traffic circulation within the project's Area of Potential Effect (APE). However, an approved Traffic Control Plan would be implemented during construction so that traffic circulation would not be substantially impacted. Therefore, these projects would not result in an increase of traffic which is substantial in relation to existing traffic capacities.

- b) Conflict with an applicable congestion management program, including, but not limited to level of service standards and travel demand measures, or other standards established by the county congestion management agency for designated roads or highways?

Construction of the near-term and/or future pipeline projects would temporarily affect traffic circulation within the project's APE and its adjoining roads. However, an approved Traffic Control Plan would be implemented during construction so that traffic would not exceed cumulative or

Issue	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
-------	--------------------------------	--	------------------------------	-----------

individual levels of service.

- c) Result in a change in air traffic patterns, including either an increase in traffic levels or a change in location that results in substantial safety risks?

The near-term and any future projects covered under this MND would not include any tall structures or new features that could affect air traffic patterns or introduce new safety hazards related to air traffic.

- d) Substantially increase hazards due to a design feature (e.g., sharp curves or dangerous intersections) or incompatible uses (e.g., farm equipment)?

The near-term and any future projects covered under this MND would not include any tall structures or design features that would increase hazards in the area. All projects would be designed to meet City standards and therefore would meet existing levels of service.

- e) Result in inadequate emergency access?

Construction of the near-term or any future project would temporarily affect traffic circulation within the project's APE. However, an approved Traffic Control Plan would be implemented during construction so that there would be adequate emergency access.

- f) Conflict with adopted policies, plans, or programs regarding public transit, bicycle, or pedestrian facilities, or otherwise decrease the performance or safety of such facilities?

Construction of the near-term or any future project would temporarily impact circulation during construction activities as it relates to traffic, pedestrians, public transit and bicycles. However, the preparation of a Traffic Control Plan would ensure that any disruption to these services would not be significant.

**XVII. UTILITIES AND SERVICE SYSTEMS – Would the project:**

- a) Exceed wastewater treatment requirements of the applicable Regional Water Quality Control Board?

Issue	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
-------	--------------------------------	--	------------------------------	-----------

Construction of the near-term or any future projects covered under this MND would facilitate the treatment of wastewater and would not exceed the requirements of the Regional Water Quality Control Board.

- b) Require or result in the construction of new water or wastewater treatment facilities or expansion of existing facilities, the construction of which could cause significant environmental effects?

Construction of the near-term or any future projects covered under this MND would result in improvements to water and sewer pipeline infrastructure. Use of this MND is limited to projects that would not result in a significant unmitigated impact to the environment.

- c) Require or result in the construction of new storm water drainage facilities or expansion of existing facilities, the construction of which could cause significant environmental effects?

Construction of the near-term or any future projects covered under this MND would not result in an increase in impervious surfaces as the scope is completely within the City Right-of-Way. Therefore, these projects would not require the construction of new storm water drainage facilities or expansion of existing facilities.

- d) Have sufficient water supplies available to serve the project from existing entitlements and resources, or are new or expanded entitlements needed?

Construction of the near-term or any future projects covered under this MND would not increase the demand for water. These projects would improve the existing water pipelines system throughout the City.

- e) Result in a determination by the wastewater treatment provided which serves or may serve the project that it has adequate capacity to serve the project's projected demand in addition to the provider's existing commitments?

See XVII c)

- f) Be served by a landfill with sufficient

Issue	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
-------	--------------------------------	--	------------------------------	-----------

permitted capacity to accommodate the project's solid waste disposal needs?

Construction of the near-term or any future projects covered under this MND would not result in the demolition of structures. Construction of these projects would likely generate minimal waste. This waste would be disposed of in accordance with all applicable local and state regulations pertaining to solid waste including permitting capacity of the landfill serving the project area. Demolition or construction materials which can be recycled shall comply with the City's Construction and Demolition Debris Ordinance. Operation of the project would not generate waste and, therefore, would not affect the permitted capacity of the landfill serving the project area.

- g) Comply with federal, state, and local statutes and regulation related to solid waste?

See XVII f). Any solid waste generated during construction related activities would be recycled or disposed of in accordance with all applicable local state and feral regulations.

XVIII. MANDATORY FINDINGS OF SIGNIFICANCE --

- a) Does the project have the potential to degrade the quality of the environment, substantially reduce the habitat of a fish or wildlife species, cause a fish or wildlife population to drop below self-sustaining levels, threaten to eliminate a plant or animal community, reduce the number or restrict the range of a rare or endangered plant or animal or eliminate important examples of the major periods of California history or prehistory?

Any near-term and/or future pipeline projects covered under this MND would be located within the developed public right of way and would not impact any *Sensitive Biological Resources*. Projects that would be located adjacent to the MHPA would be required to incorporate MHPA Land Use Adjacency measures to reduce any potential indirect impacts. As such, indirect impacts would be mitigated to below a level of significance. With respect to historical resources, mitigation for archaeology, paleontology and the built environment have been incorporated into the MND. Each project would be analyzed and a determination made regarding which mitigation measures would be applied in the subsequent environmental document and would be required to comply with the mitigation measures further detailed in Section V of this MND. As a result, project implementation would not result in a significant impact to these resources.

- b) Does the project have impacts that are

Issue	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
-------	--------------------------------	--	------------------------------	-----------

individually limited, but cumulatively considerable? (“Cumulatively considerable” means that the incremental effects of a project are considerable when viewed in connection with the effects of past projects, the effects of other current projects, and the effects of probable futures projects)?

When viewed in connection with the effects of the near-term projects and any future pipeline projects on a Citywide basis, construction trenching has the potential to impact archaeological and paleontological resources which could incrementally contribute to a cumulative loss of non-renewable resources. However, with implementation of the mitigation measures found in Section V of the MND, this incremental impact would be reduced to below a level of significance.

Although any near-term and/or future projects could be located within a designated historical district, no direct or cumulative impact is anticipated because each project would be subject to review in accordance with the City’s Historical Resources Guidelines, and for consistency with the Secretary of the Interior Standards and this environmental document. Measures to reduce potential indirect impacts for projects located within a historic district would be incorporated into each subsequent environmental document when applicable to the conditions and environmental setting of the alignment. Therefore, no cumulative impact would result under these project types.

Because the near-term and/or future projects would not be located in areas where biological resources could be encountered and would not result in a cumulative loss of resources. Measures to reduce potential indirect impacts for projects located adjacent to the City’s MHPA would be incorporated into each subsequent environmental document when applicable to the conditions and environmental setting of the alignment. Implementation of the MHPA Land Use Adjacency Guidelines is consistent with the MSCP Subarea Plan & FEIR which addressed the cumulative loss of sensitive biological resources and edge effects on the MHPA from future development. Therefore, no cumulative impact would result under these project types.

- c) Does the project have environmental effects, which will cause substantial adverse effects on human beings, either directly or indirectly?

As stated previously, potentially significant impacts have been identified for Paleontological Resources, Archaeological Resources, Historical Resources (Historic Districts) and MHPA Land Use Adjacency. However, mitigation has been included in Section V of this MND to reduce impacts to below a level of significance. As such, project implementation would not result in substantial adverse impact to human beings.

**APPENDIX B**

**Fire Hydrant Meter Program**

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

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.)

<b>CITY OF SAN DIEGO CALIFORNIA DEPARTMENT INSTRUCTIONS</b>	<b>NUMBER DI 55.27</b>	<b>DEPARTMENT Water Department</b>
<b>SUBJECT  FIRE HYDRANT METER PROGRAM (FORMERLY: CONSTRUCTION METER PROGRAM)</b>	<b>PAGE 2 OF 10</b>	<b>EFFECTIVE DATE  October 15, 2002</b>
	<b>SUPERSEDES DI 55.27</b>	<b>DATED April 21, 2000</b>

- 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.

<b>CITY OF SAN DIEGO CALIFORNIA DEPARTMENT INSTRUCTIONS</b>	<b>NUMBER DI 55.27</b>	<b>DEPARTMENT Water Department</b>
<b>SUBJECT  FIRE HYDRANT METER PROGRAM (FORMERLY: CONSTRUCTION METER PROGRAM)</b>	<b>PAGE 3 OF 10</b>	<b>EFFECTIVE DATE  October 15, 2002</b>
	<b>SUPERSEDES DI 55.27</b>	<b>DATED April 21, 2000</b>

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.

<b>CITY OF SAN DIEGO CALIFORNIA DEPARTMENT INSTRUCTIONS</b>	<b>NUMBER DI 55.27</b>	<b>DEPARTMENT Water Department</b>
<b>SUBJECT  FIRE HYDRANT METER PROGRAM (FORMERLY: CONSTRUCTION METER PROGRAM)</b>	<b>PAGE 4 OF 10</b>	<b>EFFECTIVE DATE  October 15, 2002</b>
	<b>SUPERSEDES DI 55.27</b>	<b>DATED April 21, 2000</b>

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.

<b>CITY OF SAN DIEGO CALIFORNIA DEPARTMENT INSTRUCTIONS</b>	<b>NUMBER DI 55.27</b>	<b>DEPARTMENT Water Department</b>
<b>SUBJECT  FIRE HYDRANT METER PROGRAM (FORMERLY: CONSTRUCTION METER PROGRAM)</b>	<b>PAGE 5 OF 10</b>	<b>EFFECTIVE DATE  October 15, 2002</b>
	<b>SUPERSEDES DI 55.27</b>	<b>DATED April 21, 2000</b>

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

<b>CITY OF SAN DIEGO CALIFORNIA DEPARTMENT INSTRUCTIONS</b>	<b>NUMBER DI 55.27</b>	<b>DEPARTMENT Water Department</b>
<b>SUBJECT  FIRE HYDRANT METER PROGRAM (FORMERLY: CONSTRUCTION METER PROGRAM)</b>	<b>PAGE 6 OF 10</b>	<b>EFFECTIVE DATE  October 15, 2002</b>
	<b>SUPERSEDES DI 55.27</b>	<b>DATED April 21, 2000</b>

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

<b>CITY OF SAN DIEGO CALIFORNIA DEPARTMENT INSTRUCTIONS</b>	<b>NUMBER DI 55.27</b>	<b>DEPARTMENT Water Department</b>
<b>SUBJECT  FIRE HYDRANT METER PROGRAM (FORMERLY: CONSTRUCTION METER PROGRAM)</b>	<b>PAGE 7 OF 10</b>	<b>EFFECTIVE DATE  October 15, 2002</b>
	<b>SUPERSEDES DI 55.27</b>	<b>DATED April 21, 2000</b>

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

<b>CITY OF SAN DIEGO CALIFORNIA DEPARTMENT INSTRUCTIONS</b>	<b>NUMBER DI 55.27</b>	<b>DEPARTMENT Water Department</b>
<b>SUBJECT  FIRE HYDRANT METER PROGRAM (FORMERLY: CONSTRUCTION METER PROGRAM)</b>	<b>PAGE 8 OF 10</b>	<b>EFFECTIVE DATE  October 15, 2002</b>
	<b>SUPERSEDES DI 55.27</b>	<b>DATED April 21, 2000</b>

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.

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

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.

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

- 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).

**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

2797 Caminito Cholas • San Diego, California 92105-5097  
METER SHOP 619 527 7449  
FAX 619 527 3125

NS Req:	Fac #:
Date:	By:

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

Fire Hydrant Location: (Attach detailed map, Thomas Bros. map location or construction drawing.)

Specific Use of Water:

Any return to Sewer or Storm Drain, if so, explain:

Estimated Duration of Meter Use:   Check Box if Reclaimed Water

## Company Information

Company Name:

Mailing Address:

City: State: Zip Code: Phone: ( )

\*Business License #: \*Contractor License #:

*\*A copy of the Contractor's License and/or Business License is required at the time of meter issuance.*

Name and Title of Agent: Phone: ( )

Site Contact Name and Title: Phone: ( )

Pager #: Cell: ( )

Responsible Party Name: Title:

Social Security or 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

Check Box to Request Removal of Above Meter Requested Removal Date:

Provide current Meter location if different from above:

Signature: Title: Date:

Phone: ( ) Pager: ( )

### For Office Use Only

<input type="checkbox"/> City Meter	<input type="checkbox"/> Private Meter		
CIS Account #:	Deposit Amount: \$	Fees Amount: \$	
Meter Serial #:	Meter Size:	Meter Make & Style:	
Backflow #:	Backflow Size:	Meter Make & Style:	
Name:	Signature:	Date:	

\$1,108.45 - FOR 24 HR INSTALLATION  
 \$1,052.26 - FOR 48 HR INSTALLATION

FHM App Created: 11/2/00-htp

**"Exhibit B"**

**CONSTRUCTION AND MAINTENANCE RELATED ACTIVITIES WITH NO 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 Seeding  
Irrigation (for establishing irrigation only; not continuing irrigation)  
Mixing Concrete  
Mobile Car Washing  
Special Events  
Street Sweeping  
Water Tanks  
Water Trucks  
Window Washing**

**Note: If there is any return to sewer or storm drain, then sewer and/or storm drain fees will be charged.**

**"Exhibit C"**

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 refer to the Water Departments', Department Instruction (D.I.) 55.27 for further information and procedure.

Mail your request for an extension to :

City of San Diego, Water Department

Attn: Meter Services

2797 Caminito Chollas

San Diego, Ca. 92105-5097

Should you have any questions regarding this matter, please call the Fire Hydrant "Hot Line" at: (xxx) xxx-xxx.

Sincerely,

City of San Diego Water Department



# Fire Hydrant Meter Relocate/Removal Request

(EXHIBIT D)

For Office Use Only

NS Req:	FHM Fac #:
Date:	By:

Date:

Instruction: Complete pertinent information then FAX both form and map to (xxx) xxx-xxxx, mail, or hand-deliver to the City of San Diego, Water Department/Meter Shop at: 2707 Caminito Chollas San Diego, CA 92105

## Meter Information

Billing Account #:	Requested Move Date:
Current Fire Hydrant Meter Location:	
New Meter Location: (Attach a detailed map, Thomas Bros map location or construction drawing.)	

## Company Information

Company Name:			
Mailing Address			
City:	State:	Zip Code:	Phone: ( )
Name and Title of Requestor:			Phone: ( )
Site Contact Name and Title			Phone: ( )
Pager #:			Cell: ( )
Responsible Party Name authorizing relocation fee:			
Signature:	Title:	Date:	

## Fire Hydrant Meter Removal Request

<input type="checkbox"/> Check Box to Request Removal of Above Meter	Requested Removal Date:	
Provide current Meter location if different from above:		
Signature:	Title:	Date:
Phone: ( )	Pager: ( )	

For Office Use Only

CIS Account #:	Fees Amount: \$		
Meter Serial #:	Size:	Make/Style	
Backflow #:	Size:	Make/Style	
Name:	Signature:	Date:	

FHM Relocate\_Removal Form

FHM App Created: 11/2/00-htp

## **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						
<b>CHANGE ORDERS</b>											
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-Encrease 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)						
<b>SUMMARY</b>								Total This	\$ -	Total Billed	\$0.00
A. Original Contract Amount						<b>Retention and/or Escrow Payment Schedule</b>					
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 Projects**

THIS MAP/DATA IS PROVIDED WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OR MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. Note: This product may contain information reproduced with permission granted by RAND MCNALLY & COMPANY to SanGIS. This map is copyrighted by RAND MCNALLY & COMPANY. It is intended to be used for informational purposes only and does not constitute an offer of any service. SanGIS is not responsible for any errors or omissions in this map. SanGIS is not responsible for any damages or losses resulting from the use of this map. SanGIS is not responsible for any claims or liabilities arising from the use of this map. SanGIS is not responsible for any claims or liabilities arising from the use of this map.

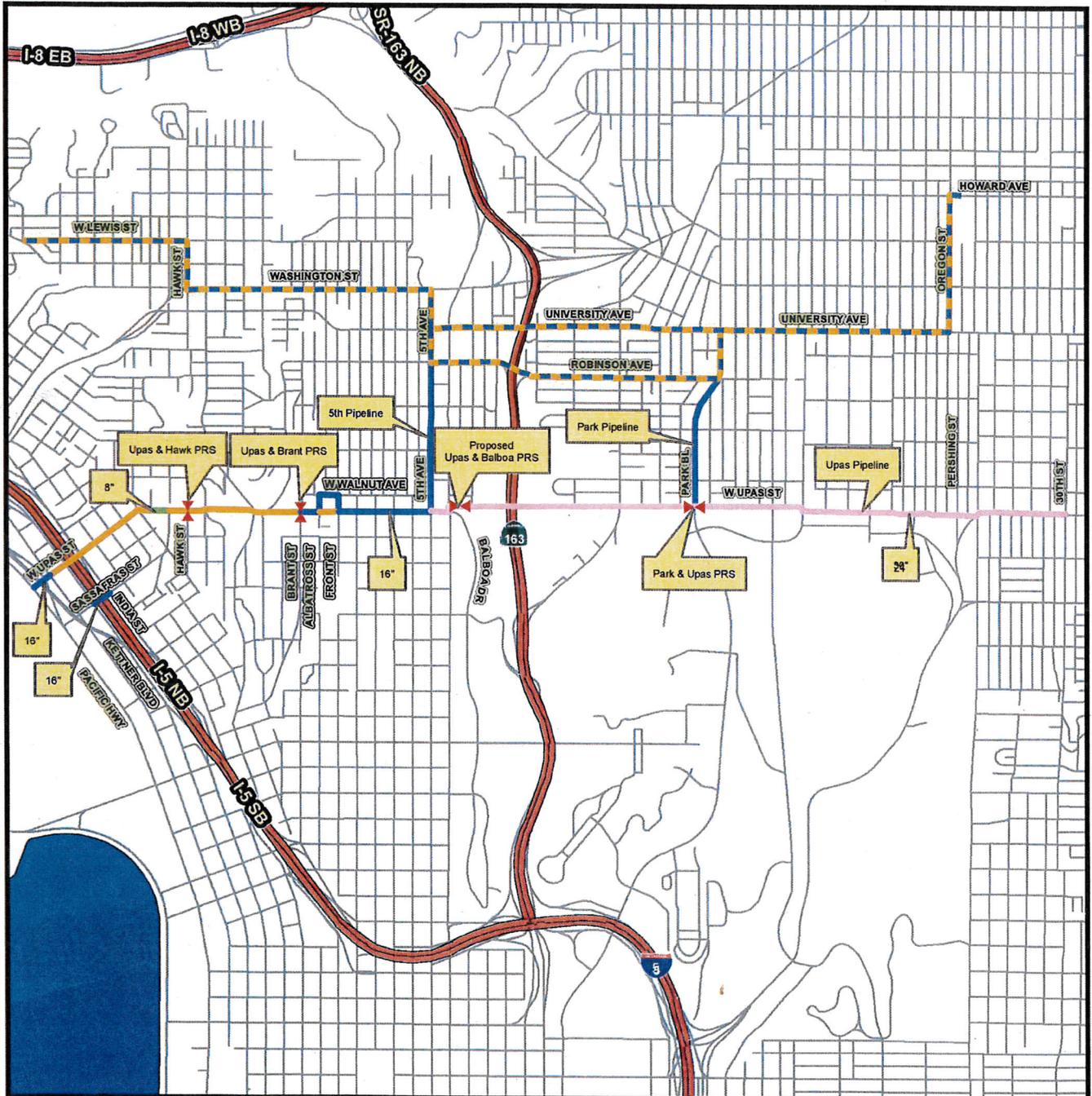
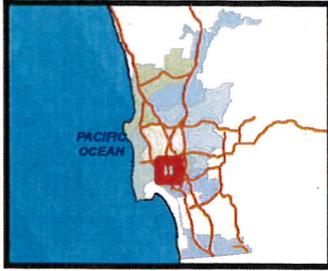
# UPAS STREET PIPELINE REPLACEMENT PROJECT

SENIOR ENGINEER  
 IRAJ ASGHARZADEH  
 (619) 533-5105

PROJECT MANAGER  
 ALICE ALTES  
 (619) 533-4105

PROJECT ENGINEER  
 MICHELLE GARCIA-QUILICO  
 (619) 533-6635

CONSTRUCTION PROJECT  
 INFORMATION LINE  
 619-533-4207



- Legend**
- Abandon Pipe
  - Install 34" Pipe
  - Install 16" Pipe
  - Install 8" Pipe
  - University Pipeline Project (16")
  - X Pressure Regulating Station
  - X Install 12" Pipe



COMMUNITY NAME: GREATER NORTH PARK  
 MIDWAY-PACIFIC HIGHWAY  
 UPTOWN  
 Appendix E – Adjacent Projects  
 Water Group Job 945

COUNCIL DISTRICT: 2, 3



SAP ID: S-11022

Date: June 14, 2012

# Project Name

SENIOR ENGINEER  
 Brad Johnson  
 619-533-5120

PROJECT MANAGER  
 N/A

PROJECT ENGINEER  
 N/A

CONSTRUCTION PROJECT  
 INFORMATION LINE  
 N/A



Division Name - If Needed



COMMUNITY NAME:  
 Bankers Hill/Park West

COUNCIL DISTRICT: 3

SAP ID: B00000 (S) \\  
 B00000 (W)



Date: October 27, 2011

THIS MAP/DATA IS PROVIDED WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OR MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. Note: This product may contain information reproduced with permission granted by RAND McNALLY & COMPANY® to SanGIS. This map is copyrighted by RAND McNALLY & COMPANY. It is intended to show the location of the project. It is not intended to show the location of any other project.



**APPENDIX F**

**Hydrostatic Discharge Form**

## APPENDIX

### Hydrostatic Discharge Requirements Certification (Discharge Events < 500,000 gpd)

All discharge activities related to this project comply with the Regional Water Quality Control Board (RWQCB) Order No. 2002-0020, General Permit for Discharges of Hydrostatic Test Water and Potable Water to Surface Water and Storm Drains as referenced by ([http://www.swrcb.ca.gov/rwqcb9/board\\_decisions/adopted\\_orders/2002/2002\\_0020.shtml](http://www.swrcb.ca.gov/rwqcb9/board_decisions/adopted_orders/2002/2002_0020.shtml)), and as follows:

Discharged water has been dechlorinated to below <b>0.1 (mg/l)</b> level; and effluent has been maintained between <b>6 and 9 (PH)</b> based on:							<i>is discharge within acceptable limits?</i>		<i>Comment</i>
Event #	Discharge Date & Amount (GAL)	Discharge Time	Meter Readings (at source)	Test Results (Chlorine / PH)	Name of Personnel Conducting Tests (print)	*signature of personnel	yes	no	
	Date	Start:	Start:						
	Amt:	End:	End:						
	Date	Start:	Start:						
	Amt:	End:	End:						
	Date	Start:	Start:						
	Amt:	End:	End:						
	Date	Start:	Start:						
	Amt:	End:	End:						
	Date	Start:	Start:						
	Amt:	End:	End:						
	Date	Start:	Start:						
	Amt:	End:	End:						
	Date	Start:	Start:						
	Amt:	End:	End:						
	Date	Start:	Start:						
	Amt:	End:	End:						
	Date	Start:	Start:						
	Amt:	End:	End:						
	Date	Start:	Start:						
	Amt:	End:	End:						
	Date	Start:	Start:						
	Amt:	End:	End:						

*\*By signing, I certify that all of the statements and conditions for hydrostatic discharge events are correct.*

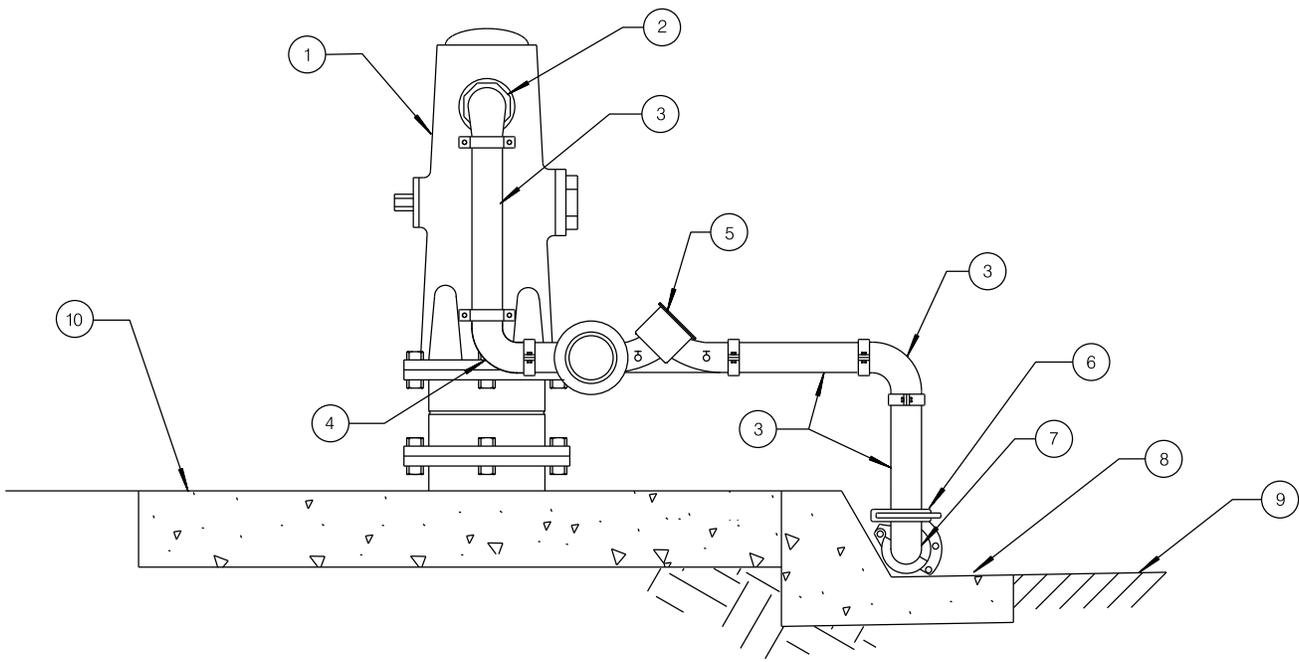
**Project Name:** \_\_\_\_\_

**Work Order No.(s):** \_\_\_\_\_

Have any thresholds have been exceeded? Per Order No. 2002-0020, would this be a reportable discharge and must be reported **within 24 hours** of the event? [Reportable discharge would include violation of maximum gallons per day, any upset which exceeds any effluent limit]

## **APPENDIX G**

### **High-lining Figures**



- ① EXISTING 2-PORT FIRE HYDRANT
- ② 2 1/2" PORT TO 2" ADAPTER ELBOW W/THREADED FITTING
- ③ 2" PIPE (GROOVED)
- ④ 2" 90° ELBOW W/THREADED JOINT FITTINGS
- ⑤ 2" BACKFLOW PREVENTER (ONE WAY CHECK VALVE) W/THREADED JOINT FITTINGS
- ⑥ SNAP-JOINT COUPLING (2-GROOVE)
- ⑦ 2" TEE/90° ELBOW W/ SNAP-JOINT COUPLING(S) (2-GROOVE) W/DIRECTIONAL SHUT OFF VALVE(S) (NOT SHOWN)
- ⑧ EXISTING CURB & GUTTER
- ⑨ EXISTING ROADWAY
- ⑩ EXISTING CONCRETE PAD/SIDEWALK

REVISION	BY	APPROVED	DATE
ORIGINAL	KA	J. NAGELVOORT	01/12
UPDATED	KA	J. NAGELVOORT	12/12

CITY OF SAN DIEGO – STANDARD DRAWING

**2" FIRE HYDRANT HIGHLINING CONNECTION**

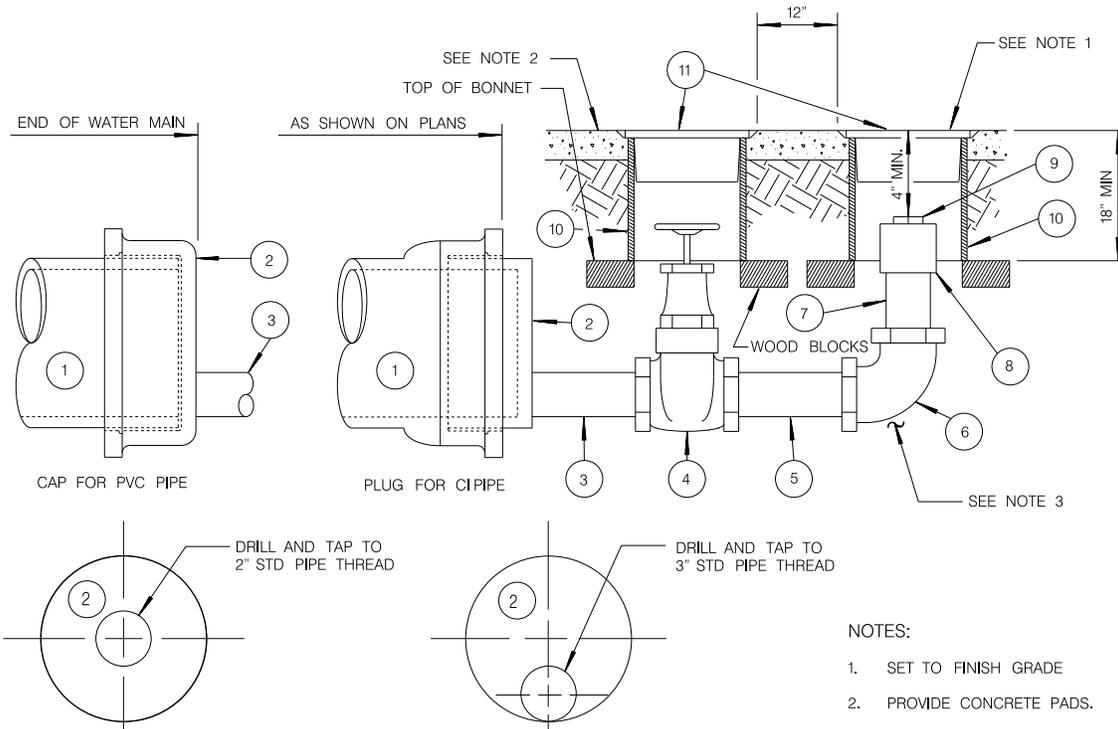
RECOMMENDED BY THE CITY OF SAN DIEGO STANDARDS COMMITTEE

*A. Hadli* 12/17/2012  
COORDINATOR R.C.E. 65271 DATE

DRAWING NUMBER **SDW-170**

**APPENDIX H**

**Water Standard Drawings**



CONCENTRIC PLUG DRILLED FOR 2" BLOW-OFF FOR 3"-8" MAINS

ECCENTRIC PLUG DRILLED FOR 3" BLOW-OFF FOR 10"-20" MAINS

NOTES:

1. SET TO FINISH GRADE
2. PROVIDE CONCRETE PADS.
3. PROVIDE THRUST BLOCKS.
4. REFER TO OTHER CITY STANDARD DRAWINGS FOR MORE DETAILS.

SCHEDULE			
ITEM		SIZE AND DESCRIPTION	
1	WATER MAIN	3" - 8" INCL.	10" - 20" INCL.
2	CAST IRON PLUG OR CAP	MAIN SIZE X 2"	MAIN SIZE X 3"
3	Brass Nipple	2" X 8"	3" X 8"
4	BRONZE GATE VALVE WITH BRONZE WHEEL-SCREW ENDS	2"	3"
5	Brass Nipple	AS NEEDED	AS NEEDED
6	BRASS 90° EL	2"	3"
7	BRASS RISER	2" X VARIABLE TO GRADE MINUS 4"	3" X VARIABLE TO GRADE MINUS 4"
8	BRASS COUPLING THREAD	2"	3"
9	BRASS PLUG	2"	3"
10	STEEL CASING FOR GATE VALVE AND RISER	8" X VARIABLE TO GRADE MINUS 34"	8" X VARIABLE TO GRADE MINUS 34"
11	GATE WELL CAP AND CAN SEE SDW-153	8"	8"

REVISION	BY	APPROVED	DATE
ORIGINAL		J. MUELLER	3-3-83
NOTES	AO	F. BELOCK	04-96
NOTES	SM	A. OSKOU	12-03
NOTES	JS	A. OSKOU	12-06
UPDATED	KA	J. NAGELVOORT	01/12
UPDATED	KA	J. NAGELVOORT	12/12

CITY OF SAN DIEGO - STANDARD DRAWING

**BLOW-OFF ASSEMBLIES  
AT THE END OF  
PVC AND CAST IRON MAINS**

RECOMMENDED BY THE CITY OF SAN DIEGO REGIONAL STANDARDS COMMITTEE

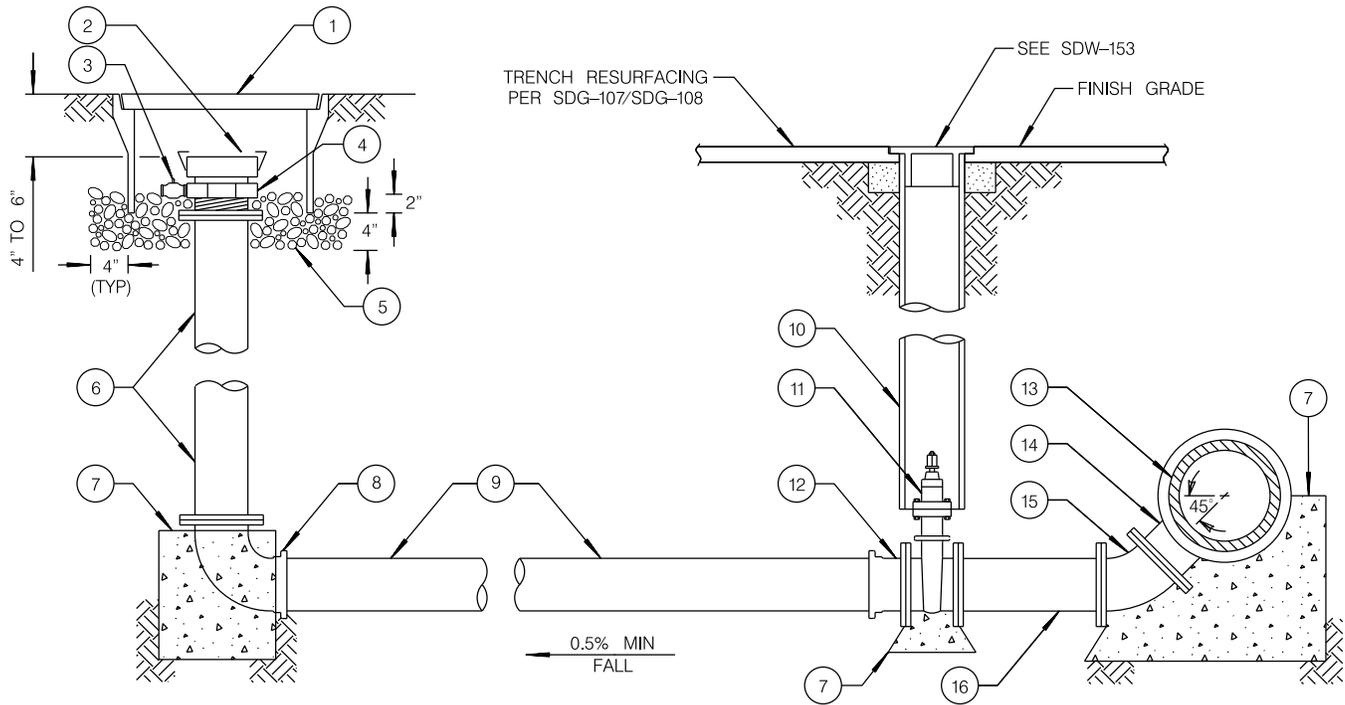
*H. Hoali*

12/17/2012

COORDINATOR R.C.E. 65271 DATE

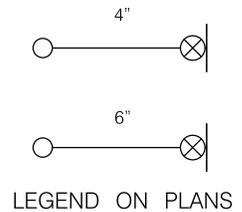
DRAWING NUMBER

**SDW-106**



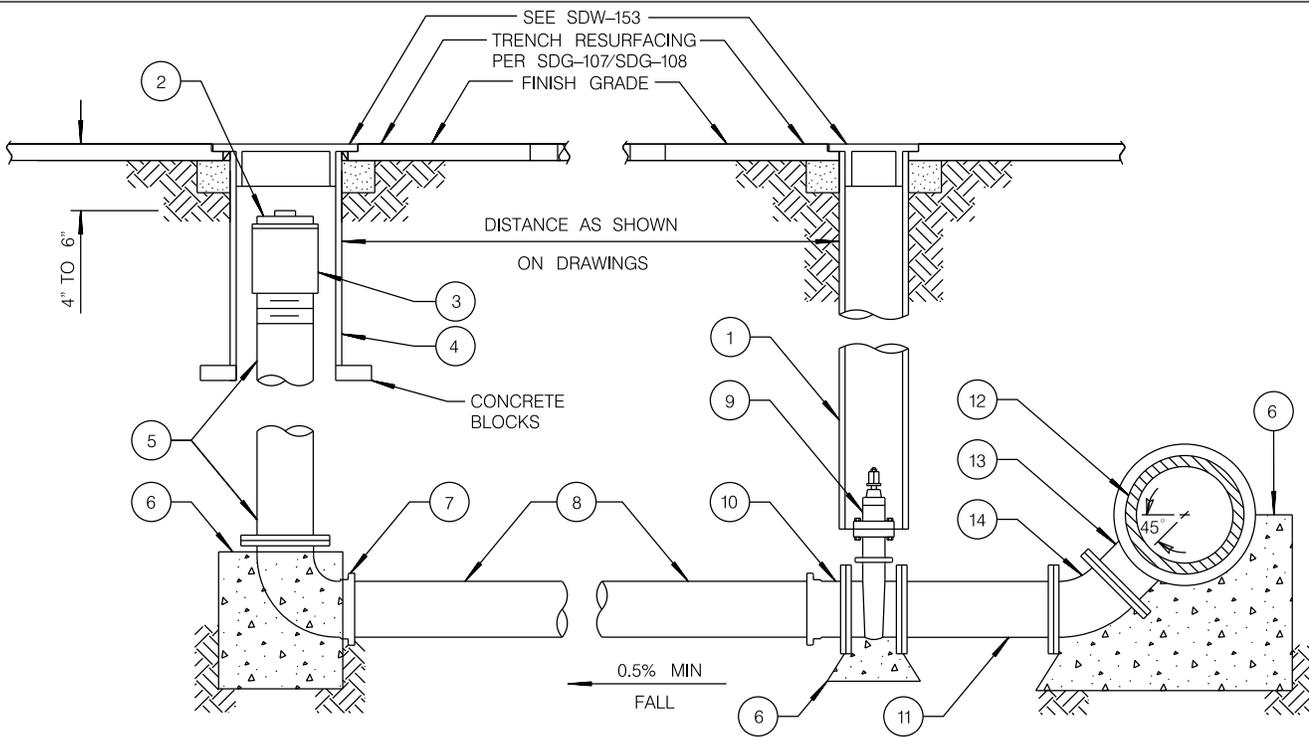
NOTES:

- 1) SET TOP OF METER BOX FLUSH WITH SIDEWALK, CURB OR FINISH GRADE
- 2) LOCATE METER BOX
- 3) INSTALL WARNING / IDENTIFICATION TAPE
- 4) FOR BLOW-OFF INSTALLATION AT END OF MAIN SEE OTHER STANDARD DRAWINGS
- 5) BLOW-OFF ASSEMBLIES INSTALLED FOR THE USE OF RECYCLED WATER SHALL BE IDENTIFIED AS DESCRIBED IN SPECIFICATIONS
- 6) 45° BEND SHALL BE USED FOR MAINS UP TO 30°. 90° BEND SHALL BE USED FOR MAINS IN EXCESS OF 30° AS DIRECTED BY THE ENGINEER
- 7) CAM & GROOVE ADAPTER SHALL BE DRILLED AND TAPPED AS REQUIRED FOR THE PRESSURE PET COCK



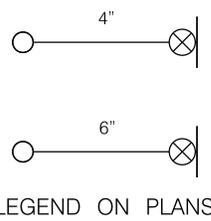
ITEM NO	SIZE AND DESCRIPTION	ITEM NO	SIZE AND DESCRIPTION
1	POLYMER METER BOX WITH LID 17" x 30", SEE NOTE 2	8	4" OR 6" FLG x MJPO 90° BEND
2	4" OR 6" CAM & GROOVE ADAPTER x MIPT WITH LOCKING DUST CAP, SEE NOTE 7	9	USE DUCTILE IRON OR PVC C900
3	1/4" PRESSURE PET COCK	10	VALVE WELL FRAME AND COVER (SEE SDW-153, SDW-154)
4	4" OR 6" FLANGED COMPANION x FIPT	11	4" OR 6" FLG x MJPOFLG RWGV
5	3/8" ROCK 4" TO 6" DEEP	12	4" OR 6" FLG x MJPO ADAPTER (IF REQUIRED)
6	4" OR 6" FLG DIPIPE x REQUIRED LENGTH (MAXIMUM OF 2 SPOOLS)	13	WATER MAIN
7	CONCRETE THRUST BLOCK SEE SDW-151	14	SIZE x 4" OR 6" MJPOFLG x FLG TEE
		15	4" OR 6" FLANGED 45° BEND
		16	4" OR 6" x 24" FLG DISPOOL

REVISION	BY	APPROVED	DATE	CITY OF SAN DIEGO – STANDARD DRAWING	RECOMMENDED BY THE CITY OF SAN DIEGO STANDARDS COMMITTEE
ORIGINAL*	KA	J. NAGELVOORT	01/12		<i>J. Nagelvoort</i>
UPDATED	KA	J. NAGELVOORT	12/12		12/17/2012
					COORDINATOR R.C.E. 65271 DATE
<b>4" &amp; 6" BLOW-OFF INSTALLATION TYPE A</b>					DRAWING NUMBER <b>SDW-144</b>

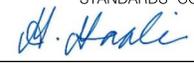


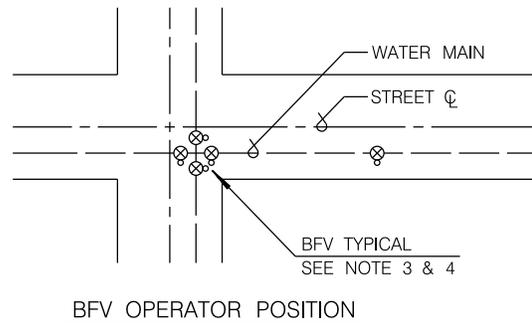
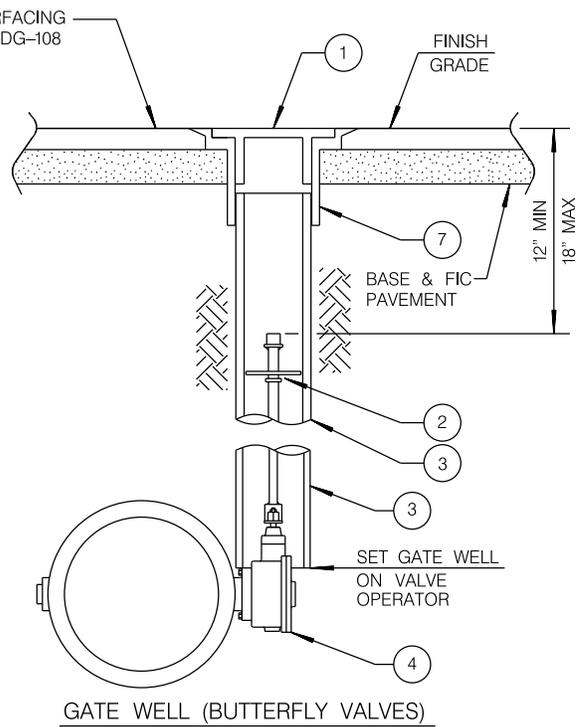
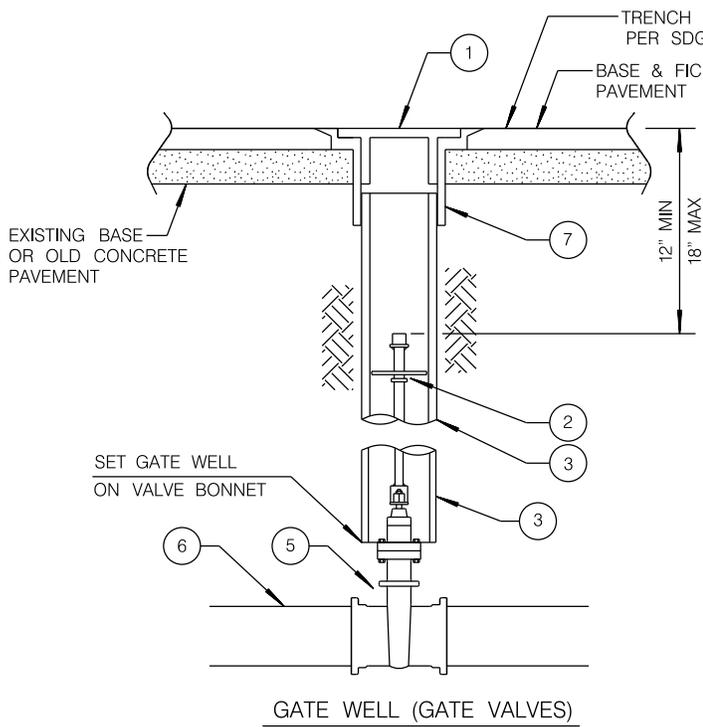
NOTES:

- 1) FOR BLOW-OFF INSTALLATION AT END OF MAIN SEE OTHER STANDARD DRAWINGS
- 2) BLOW-OFF ASSEMBLIES INSTALLED FOR THE USE OF RECYCLED WATER SHALL BE IDENTIFIED AS DESCRIBED IN SPECIFICATIONS
- 3) ON STEEL MAINS USE WELD ON COUPLINGS, ON DUCTILE IRON MAINS USE DUCTILE IRON SERVICE SADDLES (INSULATING BUSHINGS ARE REQUIRED)
- 4) 45° BEND SHALL BE USED FOR MAINS UP TO 30°. 90° BEND SHALL BE USED FOR MAINS IN EXCESS OF 30° AS DIRECTED BY THE ENGINEER



ITEM NO	SIZE AND DESCRIPTION	ITEM NO	SIZE AND DESCRIPTION
1	GATE WELL WITH CAP SEE SDW-153 OR SDW-154	8	DUCTILE IRON OR C-900 PVC
2	GALVANIZED IRON PLUG	9	4" OR 6" FLG x MJ / PO / FLG RWGV
3	GALVANIZED IRON COUPLING, THREADED	10	4" OR 6" FLG x MJ / PO ADAPTER (IF REQUIRED)
4	10" STEEL GATE WELL WITH CAP	11	4" OR 6" x 24" FLG DISPOOL
5	4" OR 6" FLG DI PIPE x REQUIRED LENGTH (MAXIMUM OF 2 SPOOLS)	12	WATER MAIN
6	CONCRETE THRUST BLOCK SEE SDW-151	13	SIZE x 4" OR 6 MJ / PO / FLG x FLG TEE
7	FLANGE x FLANGE x 90° BEND	14	4" OR 6" FLANGED 45° BEND, SEE NOTE 4

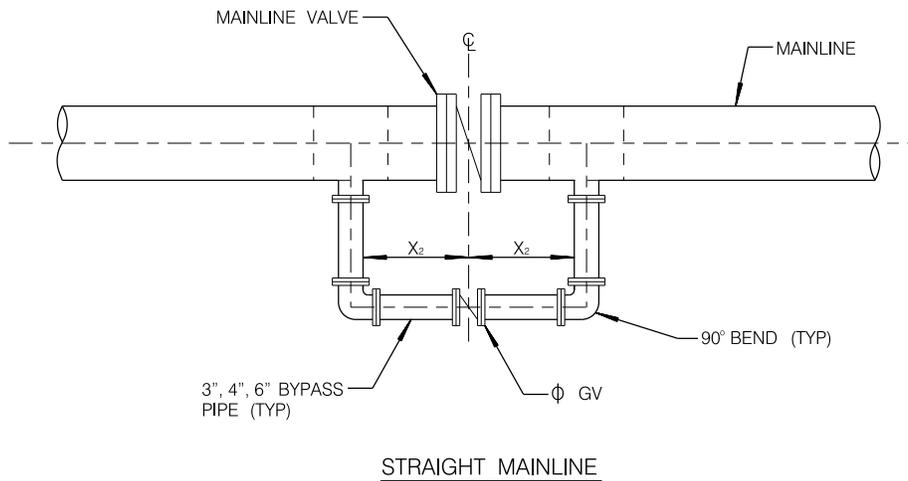
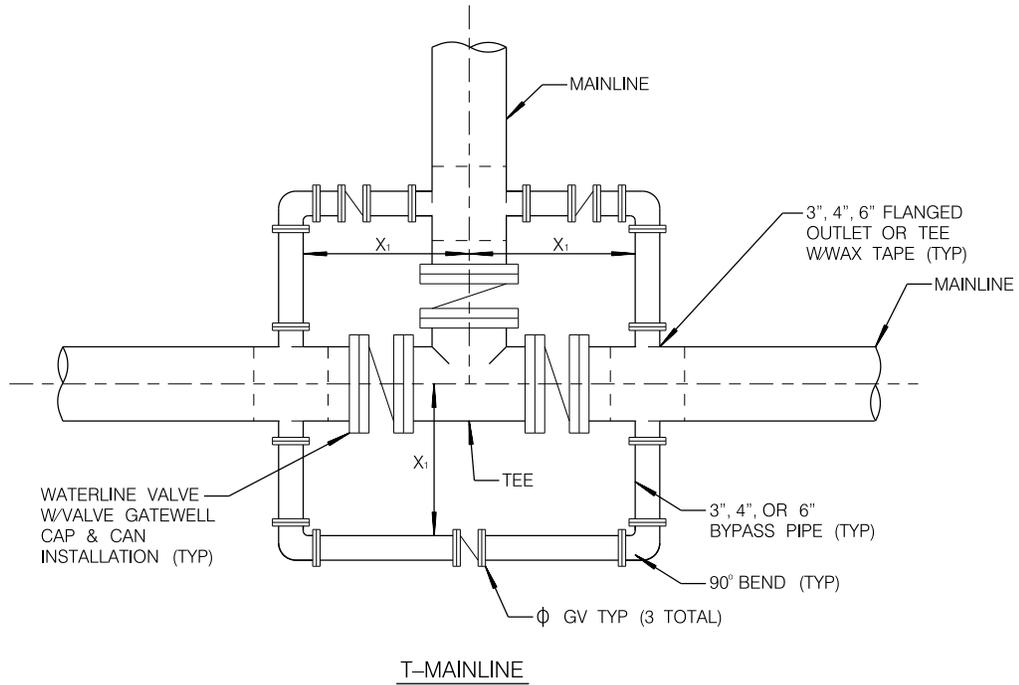
REVISION	BY	APPROVED	DATE	CITY OF SAN DIEGO – STANDARD DRAWING	RECOMMENDED BY THE CITY OF SAN DIEGO STANDARDS COMMITTEE
ORIGINAL*	KA	J. NAGELVOORT	01/12		
UPDATED	KA	J. NAGELVOORT	12/12		
<b>4" &amp; 6" BLOW-OFF INSTALLATION IN STREET TYPE B</b>				 COORDINATOR R.C.E. 65271 DATE 12/17/2012	
				DRAWING NUMBER <b>SDW-145</b>	



- NOTES:
- 1) VALVES DEEPER THAN 6' REQUIRE A VALVE STEM EXTENSION
  - 2) EXTENSION STEMS SHALL NOT BE ATTACHED/BOLTED TO OPERATING NUT
  - 3) GATE WELL AND CAP SHALL BE SET SO THAT NO MORE THAN TWO 1" ADJUSTMENT RINGS ARE USED
  - 4) BFV OPERATORS TO BE LOCATED TO THE CURBLINE SIDE OF WATER MAIN
  - 5) BFV'S INSTALLED AT CROSSES OR TEES REQUIRE A FLANGED DUCTILE IRON SPOOL TO BE INSTALLED BETWEEN THE FITTING AND VALVE IN ACCORDANCE WITH THE SPECIFICATIONS
  - 6) FOR INLINE VALVE ANCHOR BLOCK INSTALLATION
  - 7) VALVE WELL FRAME SHALL BE SET TO SLOPE OF STREET

ITEM NO	SIZE AND DESCRIPTION	ITEM NO	SIZE AND DESCRIPTION
①	GATE WELL WITH CAP	⑤	RESILIENT WEDGE GATE VALVE
②	VALVE STEM EXTENSION SEE NOTES 1 & 2	⑥	WATER MAIN
③	8" OD x 18" STEEL CASING x REQUIRED LENGTH GATE WELL SEE NOTE 6	⑦	18" THICK, 8 5/8" OD CAST IRON RISER RING PER SDRW-104
④	BUTTERFLY VALVE		

REVISION	BY	APPROVED	DATE	CITY OF SAN DIEGO – STANDARD DRAWING	RECOMMENDED BY THE CITY OF SAN DIEGO STANDARDS COMMITTEE  12/17/2012 COORDINATOR R.C.E. 65271 DATE
ORIGINAL*	KA	J. NAGELVOORT	01/12		
UPDATED	KA	J. NAGELVOORT	12/12		
<b>GATE WELL CAP &amp; CAN INSTALLATION FOR VALVES 4" AND LARGER</b>				DRAWING NUMBER	<b>SDW-153</b>



NOTES:

1. BYPASS SHALL BE SAME CLASS AS MAINLINE PIPE.
2. THE VALVE SHALL BE THE SAME SIZE AS THE BYPASS PIPE.
3. SEE THE APPROVED WORKING DRAWINGS FOR X<sub>1</sub> AND X<sub>2</sub>.

MAIN SIZE	BYPASS SIZE
16" TRANSMISSION	3"
> 16" AND = < 36"	4"
> 36"	6"

REVISION	BY	APPROVED	DATE
ORIGINAL	KA	J. NAGELVOORT	01/12
UPDATED	KA	J. NAGELVOORT	12/12

CITY OF SAN DIEGO – STANDARD DRAWING

**WATER VALVE BYPASS DETAILS  
FOR MAINLINES 16" AND LARGER**

RECOMMENDED BY THE CITY OF SAN DIEGO  
STANDARDS COMMITTEE

*H. Hadli* 12/17/2012  
COORDINATOR R.C.E. 65271 DATE

DRAWING NUMBER **SDW-154**

# City of San Diego

CITY CONTACT: Damian Singleton, CONTRACT SPECIALIST, Email: [Dsingleton@sandiego.gov](mailto:Dsingleton@sandiego.gov)  
Phone No. (619) 533-3482, Fax No. (619) 533-3633

## ADDENDUM "A"

FOR

## WATER GROUP JOB 945



BID NO.:	<u>K-13-5836-DBB-3</u>
SAP NO. (WBS/IO/CC):	<u>B-11041</u>
CLIENT DEPARTMENT:	<u>2013</u>
COUNCIL DISTRICT:	<u>2</u>
PROJECT TYPE:	<u>KB</u>

---

### BID DUE DATE:

**2:00 PM**  
**JUNE 20, 2013**  
**CITY OF SAN DIEGO**  
**PUBLIC WORKS DEPARTMENT**  
**1010 SECOND AVENUE, SUITE 1400, MS 614C**  
**SAN DIEGO, CA 92101**

**A. CHANGES TO CONTRACT DOCUMENTS**

The following changes to the Contract Documents are hereby made effective as though originally issued with the bid package. Bidders are reminded that all previous requirements to this solicitation remain in full force and effect.

**B. VOLUME 1**

1. To the Contract Documents, ADD Form AA60, LIST OF WORK MADE AVAILABLE, page 3 of 3 of this Addendum.

Tony Heinrichs, Director  
Public Works Department

Dated: *June 7, 2013*  
San Diego, California

TH/NB/egz



# City of San Diego

CITY CONTACT: Damian Singleton - Contract Specialist, Email: [dsingleton@sandiego.gov](mailto:dsingleton@sandiego.gov)  
Ph No. (619) 533-3482 - Fax No. (619) 533-3633



## ADDENDUM "B"

FOR

## WATER GROUP JOB 945

BID NO.:	<u>K-13-5836-DBB-3</u>
SAP NO. (WBS/IO/CC):	<u>B-11041</u>
CLIENT DEPARTMENT:	<u>2013</u>
COUNCIL DISTRICT:	<u>2</u>
PROJECT TYPE:	<u>KB</u>

---

### BID DUE DATE:

**2:00 PM**

**JUNE 26, 2013**

**CITY OF SAN DIEGO**

**PUBLIC WORKS DEPARTMENT**

**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

6/19/13

\_\_\_\_\_  
Date

Seal:



**A. CHANGES TO CONTRACT DOCUMENTS**

The following changes to the Contract Documents are hereby made effective as though originally issued with the bid package. Bidders are reminded that all previous requirements to this solicitation remain in full force and effect.

**THE SUBMITTAL DATE FOR THIS PROJECT HAS BEEN EXTENDED AS STATED ON THE COVER PAGE.**

**B. VOLUME 1**

1. To the NOTICE INVITING BIDS, Item 7, page 8, **DELETE** in its entirety and **SUBSTITUTE** with the following:

7. **CONSTRUCTION COST:** The City's estimated construction cost for this contract is **\$1,627,000.00.**

**C. VOLUME 2**

1. To the BIDDING DOCUMENTS, Proposal (BID), pages 11 through 16, **DELETE** in their entirety and **SUBSTITUTE** as attached to this Addendum.

Tony Heinrichs, Director  
Public Works Department

Dated: June 19, 2013  
San Diego, California

TH/nb/ds/lb

**BIDDING DOCUMENTS**

**PROPOSAL (BID)**

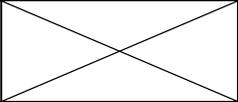
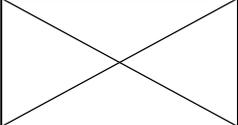
The Bidder agrees to the construction of **WATER GROUP JOB 945**, for the City of San Diego, in accordance with these contract documents for the prices listed below. The Bidder guarantees the Contract Price for a period of 120 days (90 days for federally funded contracts and contracts valued at \$500,000 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	Quantity	Unit	NAICS	Payment Reference	Description	Unit Price	Extension
<b>BASE BID</b>							
1	1	LS	524126	2-4.1	Bonds (Payment and Performance)	<del>                    </del>	\$
2	1	EA	541214	3-3.2.2.1	Certified Payroll	\$	\$
3	1	LS	238990	7-9.1.1	Video Recording of Pre-existing Conditions	<del>                    </del>	\$
4	1	LS	237310	7-10.2.6	Traffic Control	<del>                    </del>	\$
5	1	LS	532490	9-3.4.1	Mobilization	<del>                    </del>	\$
6	1	AL		9-3.5	Field Orders - Type II	<del>                    </del>	\$82,000.00
7	120	LF	238910	300-1.4	Removal and Disposal of Railroad Tracks and Concrete Pads	\$	\$
8	100	CY	237310	300-1.4	Additional Pavement Removal and Disposal	\$	\$
9	1	EA	237310	301-1.7	Adjusting Existing Gate Valve Cover to Grade	\$	\$
10	5	EA	237310	301-1.7	Adjusting Existing Manhole Frame & Cover to Grade	\$	\$
11	9	EA	237310	302-1.12	Traffic Detector Loop Replacement	\$	\$
12	20,748	SF	237310	302-1.12	Cold Mill AC Pavement (0 - 1 1/2")	\$	\$
13	19	TON	237310	302-3.4	Asphalt Pavement Repair	\$	\$

**BIDDING DOCUMENTS**

<b>Item</b>	<b>Quantity</b>	<b>Unit</b>	<b>NAICS</b>	<b>Payment Reference</b>	<b>Description</b>	<b>Unit Price</b>	<b>Extension</b>
14	234,000	SF	237310	302-4.12.4	Rubber Polymer Modified Slurry Type II and Striping	\$	\$
15	1,500	SF	237310	302-5.2.1	Pavement Restoration Adjacent to Trench	\$	\$
16	787	TON	237310	302-5.9	1-1/2 Inch Asphalt Concrete Overlay and Striping	\$	\$
17	9,990	SY	237310	302-7.4	Pavement Fabric	\$	\$
18	1,000	LB	237310	302-14.5	Crack Seal	\$	\$
19	100	LF	237310	303-5.9	Additional Curb and Gutter	\$	\$
20	400	SF	237310	303-5.9	Additional Sidewalk Removal and Replacement	\$	\$
21	27	EA	237310	303-5.10.2	Curb Ramp Type A with Stainless Steel Detectable Warning Tiles	\$	\$
22	4	EA	237310	303-5.10.2	Curb Ramp Type C2 with Stainless Steel Detectable Warning Tiles	\$	\$
23	1	LS	237110	306-1.1.6	Trench Shoring	<del>\$</del>	\$
24	100	CY	237110	306-1.2.1.1	Additional Bedding	\$	\$
25	250	TON	237310	306-1.5.1	Temporary Resurfacing	\$	\$
26	45	TON	237110	306-1.6	Imported Backfill	\$	\$
27	5,764	LF	237110	306-1.6	16-Inch Water Main, Class 305	\$	\$
28	48	EA	237110	306-1.6	Thrust Blocks	\$	\$
29	6	EA	237110	306-1.6	4-Inch Fire Service Connection	\$	\$
30	3	EA	237110	306-1.6	6-Inch Fire Service Connection	\$	\$

**BIDDING DOCUMENTS**

<b>Item</b>	<b>Quantity</b>	<b>Unit</b>	<b>NAICS</b>	<b>Payment Reference</b>	<b>Description</b>	<b>Unit Price</b>	<b>Extension</b>
31	1	EA	237110	306-1.6	10-Inch Fire Service Connection	\$	\$
32	10	EA	237110	306-1.6	6-Inch Fire Hydrant Assembly & Marker	\$	\$
33	11	EA	237110	306-1.6	16-Inch Butterfly Valve	\$	\$
34	3	EA	237110	306-1.6	8-Inch Gate Valve	\$	\$
35	6	EA	237110	306-1.6	12-Inch Gate Valve	\$	\$
36	1	LS	237110	306-5.3	Removal or Abandonment of Existing Water Facilities		\$
37	379	LF	237110	306-5.3	Large Water Main Abandonment	\$	\$
38	8	EA	237110	306-5.3	Removal of Abandoned Water Meter Box	\$	\$
39	37	EA	237110	306-14.1	1-Inch Water Service	\$	\$
40	26	EA	237110	306-14.1	2-Inch Copper Water Service	\$	\$
41	4	EA	561730	306-14.1	4-Inch Water Service	\$	\$
42	1	EA	237110	306-18	4-Inch Blowoff Valve Assembly	\$	\$
43	3	EA	237110	306-19	2-Inch Air & Vacuum Valve	\$	\$
44	4,200	LF	237110	600-1.2.1.3	High-lining Removed by Contractor	\$	\$
45	1	LS	237110	600-1.3.1.5	Contractor Furnished Materials for City Forces Connection and Cut-in Work for Mains 16-Inch and Larger		\$
46	2,000	SF	237110	600-1.3.1.5	Pavement Restoration for City Forces Final Connection	\$	\$
47	1	LS	541330	701-13.9.5	Water Pollution Control Program Development		\$

**BIDDING DOCUMENTS**

<b>Item</b>	<b>Quantity</b>	<b>Unit</b>	<b>NAICS</b>	<b>Payment Reference</b>	<b>Description</b>	<b>Unit Price</b>	<b>Extension</b>
48	1	LS	237990	701-13.9.5	Water Pollution Control Program Implementation	<del>                    </del>	\$
<b>ESTIMATED TOTAL BASE BID</b>							\$
<b>ALTERNATE A</b>							
1	1	LS	541330	600-1.2.2.10	High-lining by Contractor	<del>                    </del>	\$
2	-4,200	LF	237110	600-1.2.1.3	High-lining Removed by Contractor (Base Bid Item 44)	\$	\$
<b>ESTIMATED TOTAL ALTERNATE A</b>							\$
<b>ALTERNATE B</b>							
1	8	EA	237110	600-1.3.2.10	6-Inch through 12-Inch Connections to the Existing System by Contractor	\$	\$
2	13	EA	237110	600-1.3.2.10	16-Inch Connections to the Existing System by Contractor	\$	\$
3	21	EA	237110	600-1.4.9	Cut and Plug of the Existing System by Contractor	\$	\$
4	4	EA	237110	600-1.3.2.10	16-Inch Cut-in Tee by Contractor	\$	\$
5	2	EA	237110	600-1.3.2.10	16-Inch Cross by Contractor	\$	\$
<b>ESTIMATED TOTAL ALTERNATE B</b>							\$
<b>ALTERNATE C</b>							
1	1	EA	237110	600-1.4.9	Cut & Plug Existing 6" CI Water Earl Thomas Connection to 24" RCSC Main Per Note 6 on Sheet 4 of Plans	\$	\$

**BIDDING DOCUMENTS**

<b>Item</b>	<b>Quantity</b>	<b>Unit</b>	<b>NAICS</b>	<b>Payment Reference</b>	<b>Description</b>	<b>Unit Price</b>	<b>Extension</b>	
2	1	EA	237110	306-1.6	10" Gate Valve	\$	\$	
<b>ESTIMATED TOTAL ALTERNATE C</b>							\$	
<b>ESTIMATED TOTAL BASE BID PLUS ALTERNATE A, B and C</b>							\$	

TOTAL BID PRICE FOR BID (Items 1 through 48, PLUS Alternate "A", Items 1 through 2, Alternate "B", Items 1 through 5, and Alternate "C", Items 1 through 2, inclusive) amount written in words:

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: \_\_\_\_\_

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

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

**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: \_\_\_\_\_

Title: \_\_\_\_\_

**BIDDING DOCUMENTS**

---

Business Address: \_\_\_\_\_

Place of Business: \_\_\_\_\_

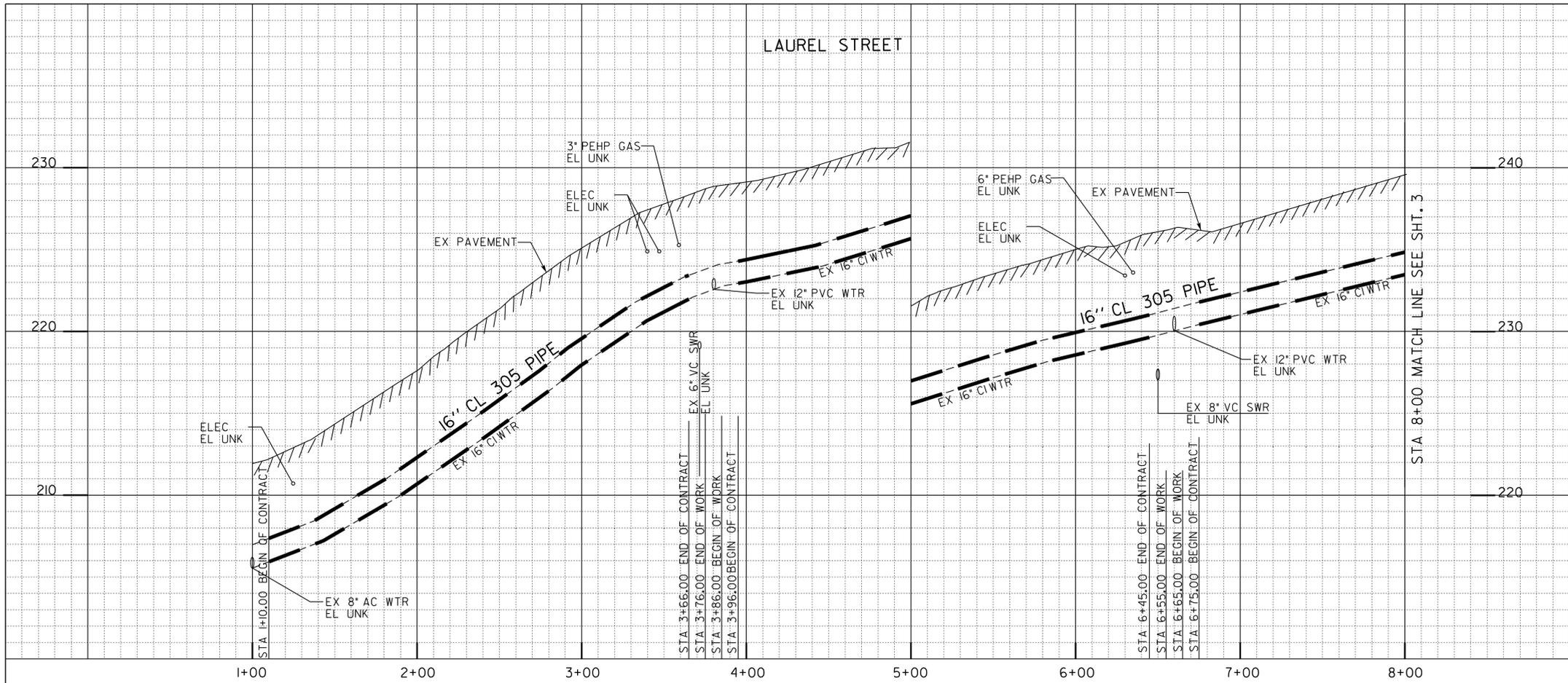
Place of Residence: \_\_\_\_\_

Signature: \_\_\_\_\_

**NOTES:**

- A. The City shall determine the low Bid based on the Base Bid plus the following Alternates: **“A”, “B”, and “C”**.
- B. After the low Bid has been determined, the City may award the Contract for the Base Bid alone or if applicable, for the Base Bid plus any combination of alternates selected in the City’s sole discretion.
- C. 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.
- D. 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.
- E. 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.
- F. 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.
- G. 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.
- H. 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.
- I. 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.

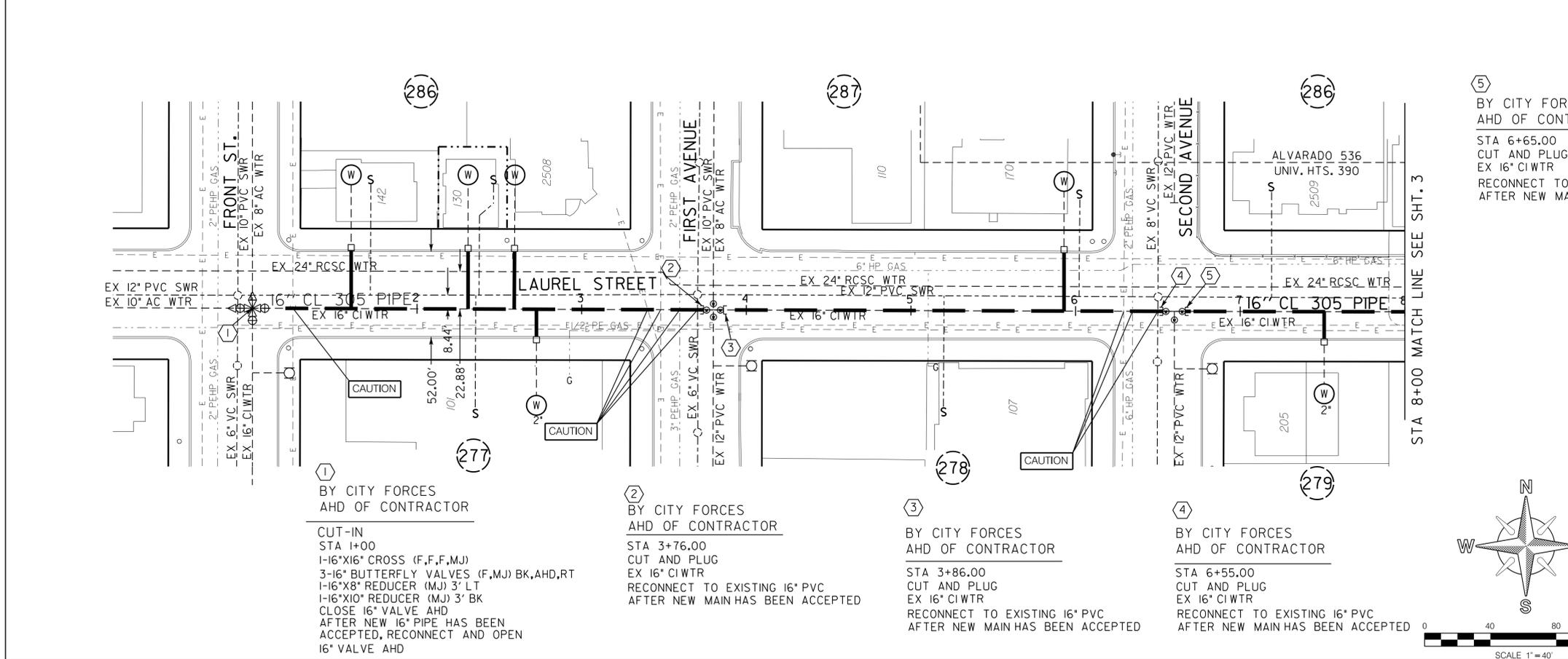




\* Alignment name: Alg#1  
 \* Alignment description: Laurel Street  
 \* Alignment style: Default  
 \* Input Factor: 1.0000000

Element: Linear	STATION	NORTHING	EASTING
POB( )	1+00.00	1847108.25	6280336.34
PI( )	3+80.00	1847107.23	6280616.33
Tangential Direction:	S 89°47'32" E		
Tangential Length:	280.00		
Element: Linear	STATION	NORTHING	EASTING
PI( )	3+80.00	1847107.23	6280616.33
PI( )	6+60.00	1847106.33	6280896.33
Tangential Direction:	S 89°48'53" E		
Tangential Length:	280.00		
Element: Linear	STATION	NORTHING	EASTING
PI( )	6+60.00	1847106.33	6280896.33
PI( )	8+00.00	1847106.06	6281036.36
Tangential Direction:	S 89°53'22" E		
Tangential Length:	140.02		

SCALE  
1"=40' HORIZ.  
1"=4' VERT.



(5) BY CITY FORCES  
 AHD OF CONTRACTOR  
 STA 6+65.00  
 CUT AND PLUG  
 EX 16" CI WTR  
 RECONNECT TO EXISTING 16" PVC STUBOUT  
 AFTER NEW MAIN HAS BEEN ACCEPTED

**REFERENCE:**  
 WATER: 6413-L,  
 SEWER: 310951-D  
 STORM DRAIN: 6451-0-L  
 GAS: 15-4890  
 ELECTRIC: 2-148  
 CABLE TV: AT&T  
 TELEPHONE: CS0304bb.dgn  
 IMPROVEMENTS: NONE  
 100' SCALE/FIELD BOOK: G205  
 THOMAS BROS. 1289 A7  
 HGL: 390

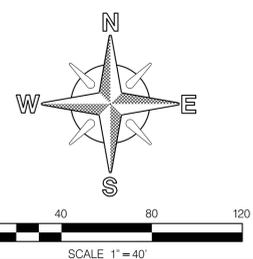
**RETIREMENTS:**  
 16" CI - 700' - 1959  
 1" SERVICE - 4 - COPPER - 1959  
 2" SERVICE - 2 - COPPER - 1959

(1) BY CITY FORCES  
 AHD OF CONTRACTOR  
**CUT-IN**  
 STA 1+00  
 1-16"X16" CROSS (F,F,MJ)  
 3-16" BUTTERFLY VALVES (F,MJ) BK,AHD,RT  
 1-16"X8" REDUCER (MJ) 3' LT  
 1-16"X10" REDUCER (MJ) 3' BK  
 CLOSE 16" VALVE AHD  
 AFTER NEW 16" PIPE HAS BEEN  
 ACCEPTED, RECONNECT AND OPEN  
 16" VALVE AHD

(2) BY CITY FORCES  
 AHD OF CONTRACTOR  
 STA 3+76.00  
 CUT AND PLUG  
 EX 16" CI WTR  
 RECONNECT TO EXISTING 16" PVC  
 AFTER NEW MAIN HAS BEEN ACCEPTED

(3) BY CITY FORCES  
 AHD OF CONTRACTOR  
 STA 3+86.00  
 CUT AND PLUG  
 EX 16" CI WTR  
 RECONNECT TO EXISTING 16" PVC  
 AFTER NEW MAIN HAS BEEN ACCEPTED

(4) BY CITY FORCES  
 AHD OF CONTRACTOR  
 STA 6+55.00  
 CUT AND PLUG  
 EX 16" CI WTR  
 RECONNECT TO EXISTING 16" PVC  
 AFTER NEW MAIN HAS BEEN ACCEPTED

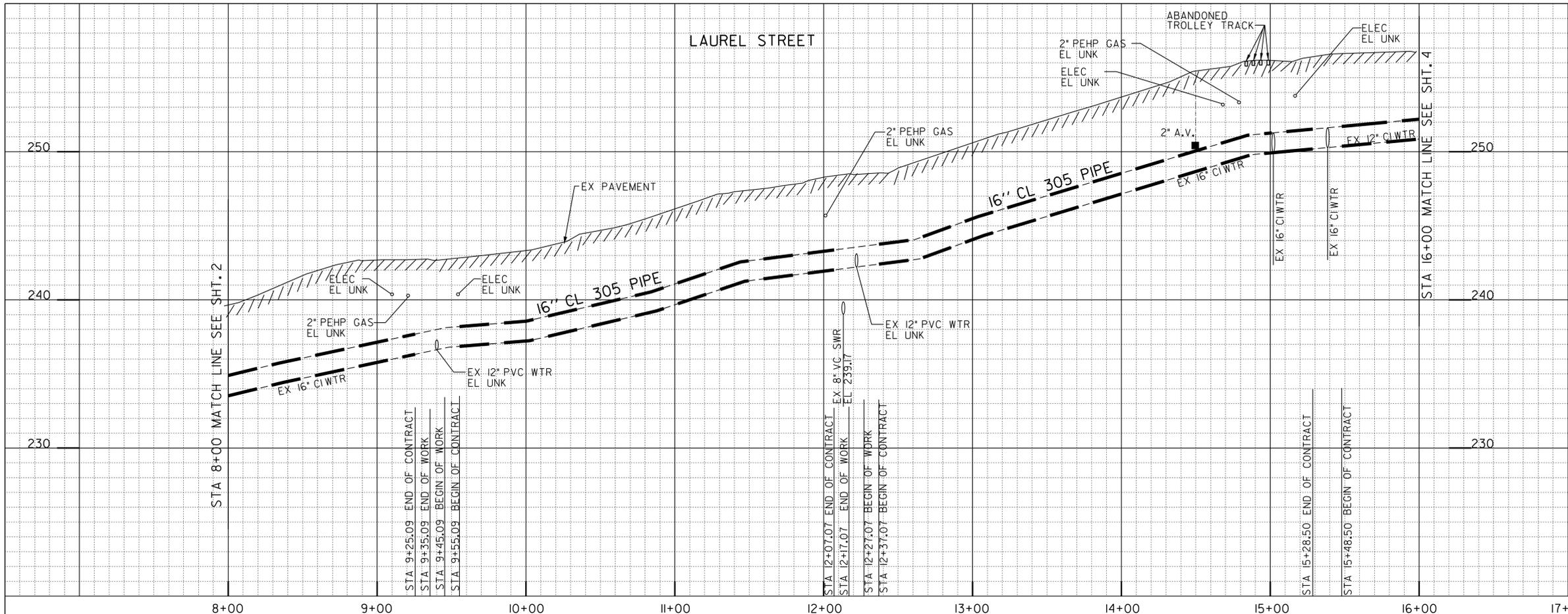


**WATER GROUP JOB 945**  
**LAUREL STREET**  
 FRONT AVE. TO STA. 8+0.00

CITY OF SAN DIEGO, CALIFORNIA PUBLIC WORKS DEPARTMENT SHEET 02 OF 16 SHEETS		WATER WBS	B-11041
APPROVED BY <i>W. Saml</i> FOR CITY ENGINEER	DATE 3/18/2013	DESIGNED BY LUIS SCHAAR ASSOCIATE ENGINEER	
DESCRIPTION ORIGINAL	BY ESO	APPROVED	DATE FILMED
CHECKED BY MAHYAR NAVIZI PROJECT ENGINEER		206-1719 CCS27 COORDINATE	
CONTRACTOR		DATE STARTED	
INSPECTOR		DATE COMPLETED	
		6280407-1846444 CCS83 COORDINATE	
		36951-02-D	

LAUREL STREET

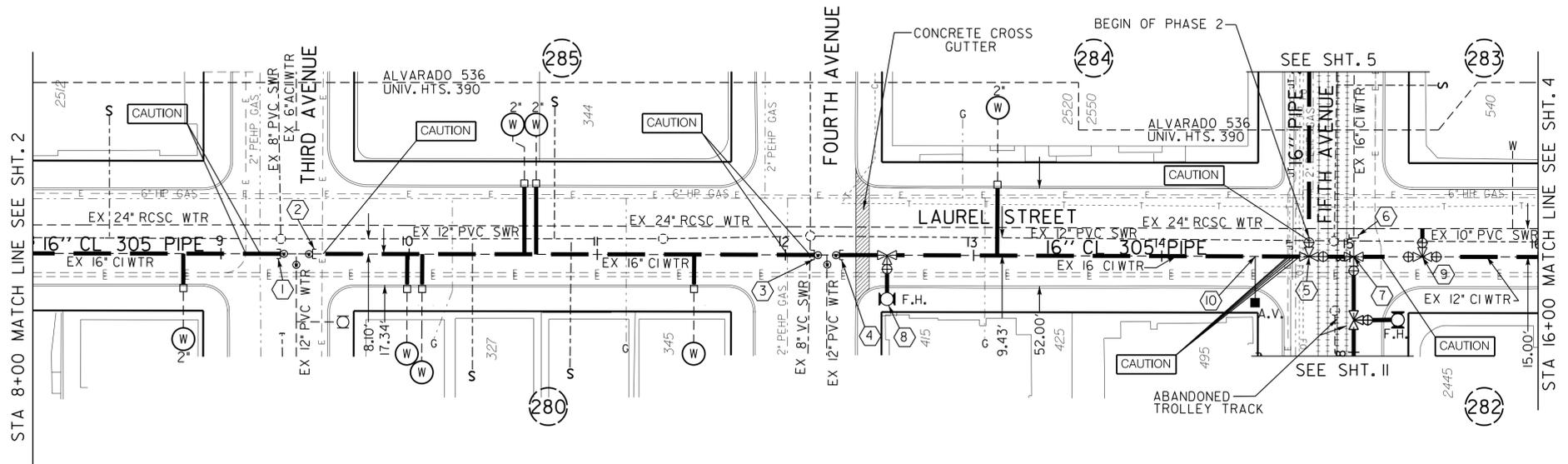
C-1



Element: Linear	PI ( )	8-00 00	1847106 06	6281036 36
	PI ( )	9-40 05	1847105 79	6281176 38
Tangential Direction		S 89°53'22" E		
Tangential Length		140.02		
Element: Linear	PI ( )	9-40 05	1847105 79	6281176 38
	PI ( )	12-22 07	1847105 21	6281458 40
Tangential Direction		S 89°52'58" E		
Tangential Length		282.02		
Element: Linear	PI ( )	12-22 07	1847105 21	6281458 40
	PI ( )	12-54 56	1847105 09	6281490 89
Tangential Direction		S 89°47'53" E		
Tangential Length		32.50		
Element: Linear	PI ( )	12-54 56	1847105 09	6281490 89
	PI ( )	14-76 30	1847104 32	6281712 62
Tangential Direction		S 89°47'56" E		
Tangential Length		221.73		
Element: Linear	PI ( )	14-76 30	1847104 32	6281712 62
	PI ( )	15-02 01	1847104 25	6281738 33
Tangential Direction		S 89°50'48" E		
Tangential Length		25.71		
Element: Linear	PI ( )	15-02 01	1847104 25	6281738 33
	PI ( )	15-38 50	1847104 19	6281774 83

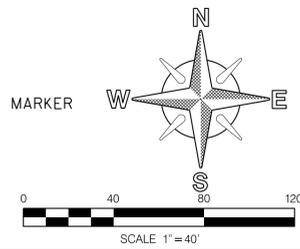
SCALE  
1"=40' HORIZ.  
1"=4' VERT.

- ① BY CITY FORCES  
AHD OF CONTRACTOR  
STA 9+35.09  
CUT AND PLUG  
EX 16" CI WTR  
RECONNECT TO EXISTING 16"  
PVC AFTER NEW MAIN  
HAS BEEN ACCEPTED
- ② BY CITY FORCES  
AHD OF CONTRACTOR  
STA 9+45.09  
CUT AND PLUG  
EX 16" CI WTR  
RECONNECT TO EXISTING 16"  
PVC AFTER NEW MAIN  
HAS BEEN ACCEPTED
- ③ BY CITY FORCES  
AHD OF CONTRACTOR  
STA 12+17.07  
CUT AND PLUG  
EX 16" CI WTR  
RECONNECT TO EXISTING 16"  
PVC AFTER NEW MAIN  
HAS BEEN ACCEPTED



- ④ BY CITY FORCES  
AHD OF CONTRACTOR  
STA 12+27.07  
CUT AND PLUG  
EX 16" CI WTR  
RECONNECT TO EXISTING 16"  
PVC AFTER NEW MAIN  
HAS BEEN ACCEPTED
- ⑤ BY CONTRACTOR  
FURNISH AND INSTALL  
STA 14+76.63  
1-16"x16" TEE (F, F, MJ)  
2-16" BUTTERFLY VALVES (F, MJ) AHD, LT  
AFTER NEW MAIN HAS BEEN  
ACCEPTED, CLOSE VALVE LT  
AND PAINT RED
- ⑥ BY CITY FORCES  
AHD OF CONTRACTOR  
STA 15+02.00 10' LT  
PERMANENT CUT AND PLUG  
EX 16" CI WTR
- ⑦ BY CONTRACTOR  
FURNISH AND INSTALL  
STA 15+02.00  
1-16"x16" TEE (F, MJ, MJ)  
1-16" BUTTERFLY VALVES (F, MJ) RT
- ⑧ BY CONTRACTOR  
FURNISH AND INSTALL  
STA 12+54.56  
1- 16" X 6" TEE (MJ, MJ, F)  
1- 6" FH (3-PORT) ASSY AND MARKER

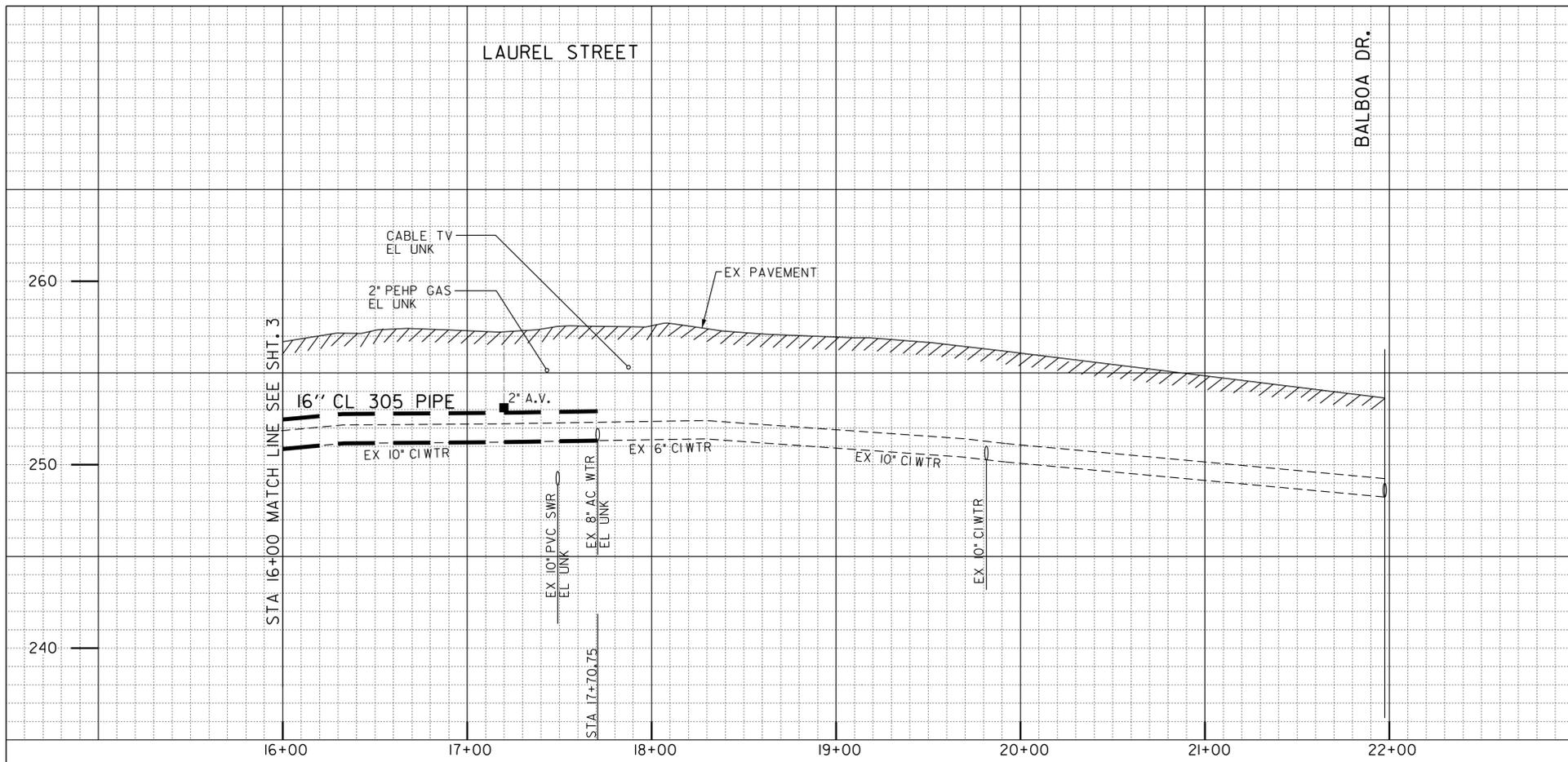
- ⑨ BY CITY FORCES  
AHD OF CONTRACTOR  
CUT-IN  
STA 15+38.50  
1-16"x16" TEE (F)  
3-16" BUTTERFLY VALVES (F, MJ) AHD, BK, LT  
1-15' SECTION OF 16" PVC MAIN  
SHUT VALVES AHD AND BK  
ONCE PHASE 1 HAS BEEN ACCEPTED  
CONNECT TO 16" PVC MAIN AND OPEN  
VALVES AHD AND BK
  - ⑩ BY CONTRACTOR  
FURNISH AND INSTALL  
STA 14+49.70  
1- 2" AIR/VACUUM VALVE ASSY, RT
- NOTE: 1. CONTRACTOR TO REMOVE INTERFERING  
TROLLEY TRACKS AND CONCRETE  
2. EXISTING RED VALVE TO REMAIN  
CLOSED AT ALL TIMES
- REFERENCE:  
WATER: 32351-9-D,  
SEWER: 310951-D  
STORM DRAIN: 6451-0-L  
GAS: 15-4890  
ELECTRIC: 2-148  
CABLE TV: AT&T  
TELEPHONE: CS0304bb.dgn  
IMPROVEMENTS: NONE  
100' SCALE/FIELD BOOK: G20S  
THOMAS BROS. I289 A7  
HGL: 390, 536
- RETIREMENTS:  
16" - CI - 800' - 1959  
1" SERVICE - 3 - COPPER - 1959  
2" SERVICE - 4 - COPPER - 1959  
FH (2-PORT) - 1



WATER GROUP JOB 945 LAUREL STREET STA 8+0.00 TO STA. 16+0.00			
CITY OF SAN DIEGO, CALIFORNIA PUBLIC WORKS DEPARTMENT SHEET 03 OF 16 SHEETS			WATER WBS B-11041
FOR CITY ENGINEER	DATE	3/18/2013	REVISION BY LUIS SCHAAR ASSOCIATE ENGINEER
DESCRIPTION	BY	APPROVED	DATE
ORIGINAL	ESD		
CHECKED BY MAHYAR NAVIZI PROJECT ENGINEER			206-1719 CCS27 COORDINATE
CONTRACTOR			6280407-1846444 CCS83 COORDINATE
INSPECTOR	DATE STARTED	DATE COMPLETED	36951-03 -D

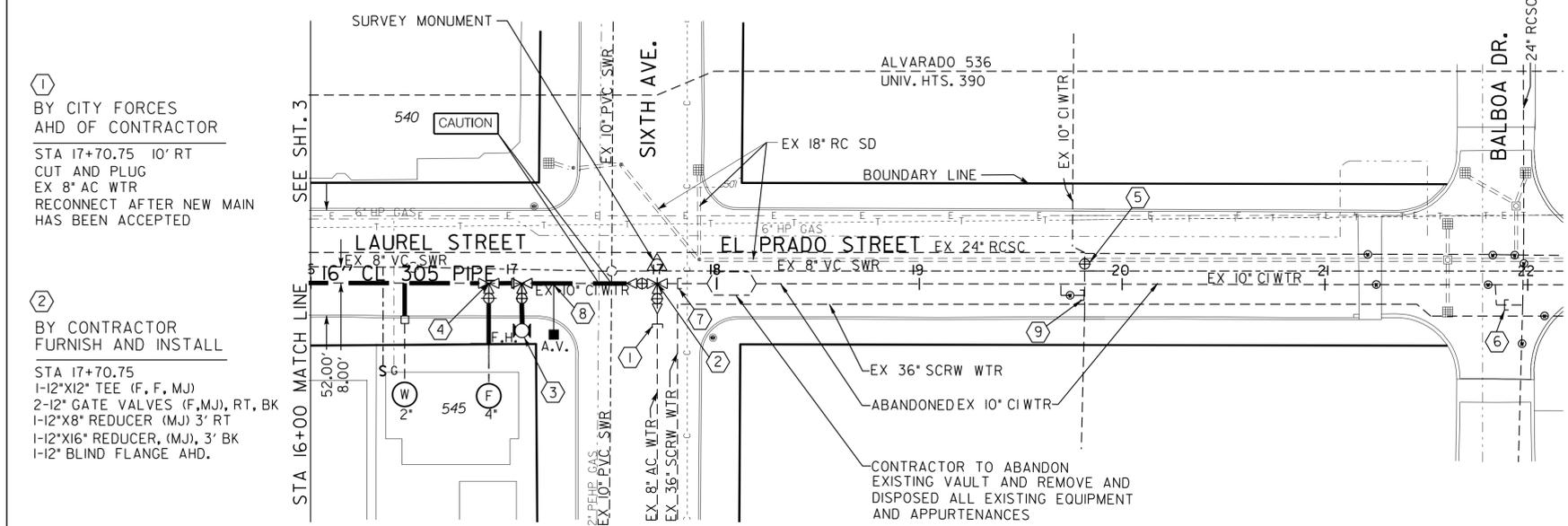
LAUREL STREET

C-2



Element: Linear	PI ( 201)	15+02.01	1847104.25	6281738.33
	PI ( 219)	15+38.50	1847104.19	6281774.83
Tangential Direction:		S 89°54'57" E		
Tangential Length:		36.50		
Element: Linear	PI ( 219)	15+38.50	1847104.19	6281774.83
	PI ( 220)	17+04.00	1847103.95	6281940.33
Tangential Direction:		S 89°54'57" E		
Tangential Length:		165.50		
Element: Linear	PI ( 220)	17+04.00	1847103.95	6281940.33
	PI ( 221)	17+70.75	1847103.85	6282007.08
Tangential Direction:		S 89°54'57" E		
Tangential Length:		66.75		
Element: Linear	PI ( 221)	STA 19+81.28	1847103.85	6282007.08
	POE ( 222)	17+70.75	1847103.50	6282217.84
Tangential Direction:		S 89°54'15" E		
Tangential Length:		210.76		

SCALE  
1"=40' HORIZ.  
1"=4' VERT.



NOTE: WORK AT BALBOA AVE. AND EL PRADO STREET MUST BE DONE WITH CAUTION AS NOT TO DAMAGE PAVERS. PAVERS MUST BE REMOVED AND PLACED BACK IN SAME CONFIGURATION.

REFERENCE:  
WATER: 19702-D, 645I-L  
SEWER: 31095I-D  
STORM DRAIN: 645I-0-L  
GAS: 15-4890  
ELECTRIC: 2-148  
CABLE TV: 2-AT&T  
TELEPHONE: CS0304bb.dgn  
IMPROVEMENTS: NONE  
100' SCALE/FIELD BOOK: G20S  
THOMAS BROS. 1289 A7  
HGL: 390

RETIREMENTS:  
8" - AC - 597' - 1959  
2" SERVICE - 1- COPPER - UNK  
FH (2-PORT) - 1

1 BY CITY FORCES AHD OF CONTRACTOR  
STA 17+70.75 10' RT CUT AND PLUG EX 8" AC WTR RECONNECT AFTER NEW MAIN HAS BEEN ACCEPTED

2 BY CONTRACTOR FURNISH AND INSTALL  
STA 17+70.75  
1-12"X12" TEE (F, F, MJ)  
2-12" GATE VALVES (F, MJ), RT, BK  
1-12"X8" REDUCER (MJ) 3' RT  
1-12"X16" REDUCER (MJ), 3' BK  
1-12" BLIND FLANGE AHD.

3 BY CONTRACTOR FURNISH AND INSTALL  
STA 17+3.99  
1- 16" X 6" TEE (MJ, MJ, F)  
1- 6" FH (3-PORT) ASSY AND MARKER

4 BY CONTRACTOR FURNISH AND INSTALL  
STA. 16+87.87  
1-16"x4" TEE (MJ, MJ, F)  
1-4" FIRE SERVICE CONNECTION, RT  
CONNECT TO EXIST. BACKFLOW PREVENTER

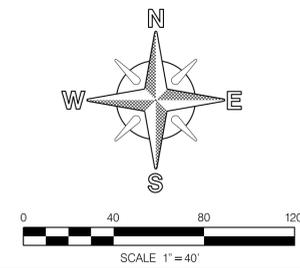
5 BY CITY FORCES AHD OF CONTRACTOR  
STA 19+81.14 10' LT  
1-10" GATE VALVE

6 BY CITY FORCES AHD OF CONTRACTOR  
STA 21+88.54 10' RT  
PERMANENT CUT AND PLUG EXISTING 6" CI WATER EARL THOMAS CONNECTION TO 24" RCSC MAIN

7 BY CITY FORCES AHD OF CONTRACTOR  
STA 17+76.79  
PERMANENT CUT AND PLUG EXISTING 10" CI WATER

8 BY CONTRACTOR FURNISH AND INSTALL  
STA 17+15.73  
1- 2" AIR/VACUUM VALVE ASSY, RT

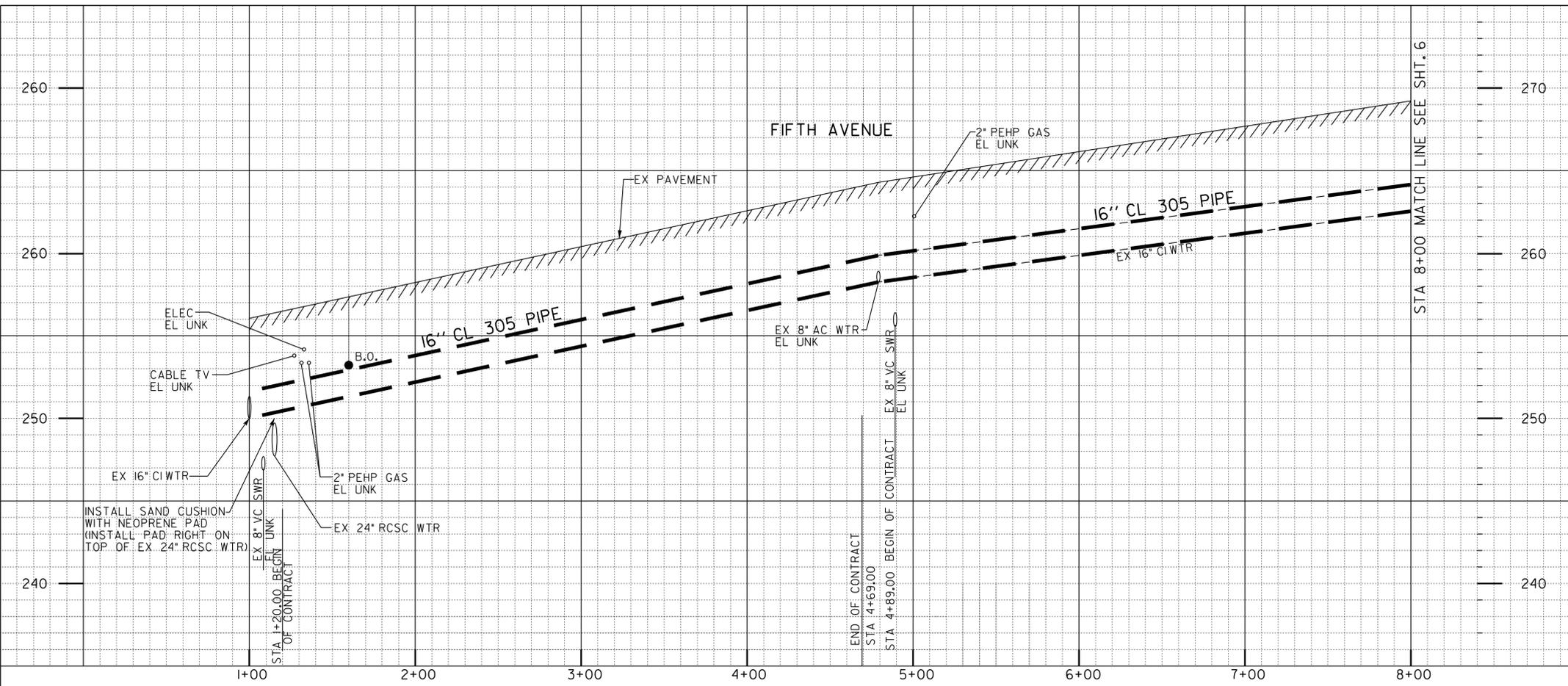
9 BY CITY FORCES AHD OF CONTRACTOR  
STA 19+81.14 5' RT  
PERMANENT CUT AND PLUG ON EXISTING EARL THOMAS CONNECTION



WATER GROUP JOB 945 LAUREL ST. AND EL PRADO ST. STA. 16+0.00 TO BALBOA DRIVE			
CITY OF SAN DIEGO, CALIFORNIA PUBLIC WORKS DEPARTMENT SHEET 4 OF 16 SHEETS		WATER WBS BII041	
FOR CITY ENGINEER <i>[Signature]</i>		DATE 3/18/2013	
DESCRIPTION ORIGINAL		BY ESO	APPROVED
DATE		DATE	FILMED
CHECKED BY MAHYAR NAVIZI		PROJECT ENGINEER	
206-1719		CCS27 COORDINATE	
6280407-1846444		CCS83 COORDINATE	
CONTRACTOR		DATE STARTED	
INSPECTOR		DATE COMPLETED	
36951-04-D			

C-3

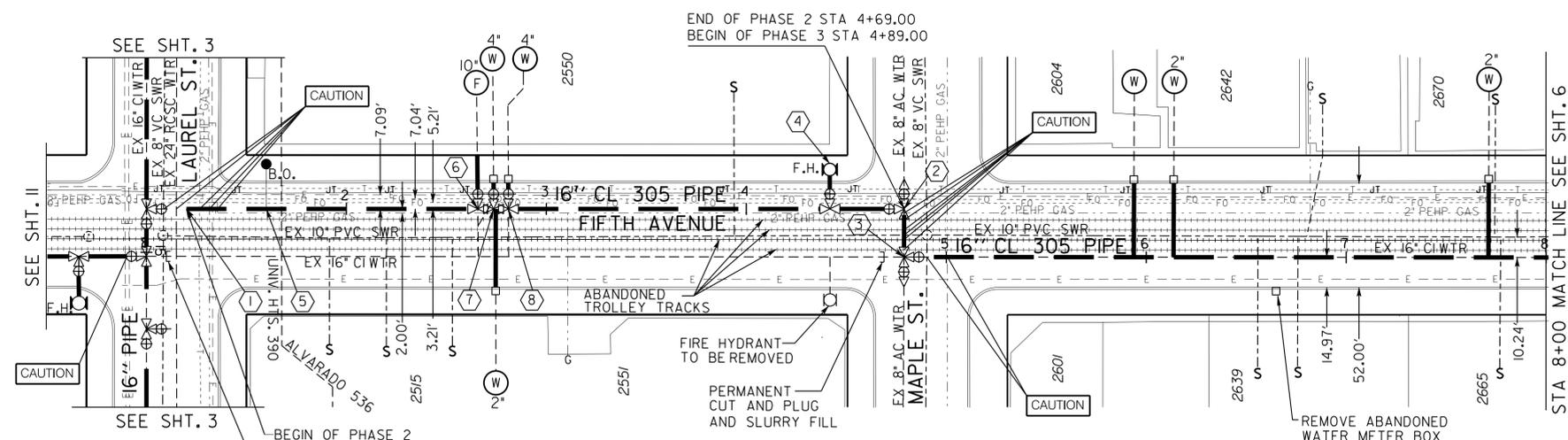
LAUREL ST. AND EL PRADO ST.



■ BENTLEY HORIZONTAL ALIGNMENT TO ASC11  
 ■ Alignment name: 2  
 ■ Alignment description: 5th ave alg  
 ■ Alignment style: Default  
 ■ Input Factor: 1.00000000

Element: Linear	STATION	NORTHING	EASTING
POB( 201)	1+00.00	1847104.25	6281738.33
PI( 202)	4+78.88	1847483.12	6281739.33
Tangential Direction:	N 0°09'03" E		
Tangential Length:	378.88		
Element: Linear	STATION	NORTHING	EASTING
PI( 202)	4+78.88	1847483.12	6281739.33
PI( 203)	8+58.88	1847863.12	6281740.32
Tangential Direction:	N 0°08'55" E		
Tangential Length:	380.00		

SCALE  
1"=40' HORIZ.  
1"=4' VERT.



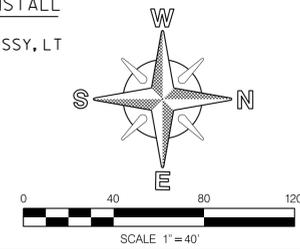
NOTE: 1. CONTRACTOR TO REMOVE INTERFERING SECTIONS OF TROLLEY TRACKS AND CONCRETE

REFERENCE:  
 WATER: I1288-2-D, 24526-D  
 SEWER: 310951-D  
 STORM DRAIN: 6451-0-L  
 GAS: 15-4890  
 ELECTRIC: 2-148  
 CABLE TV: AT&T  
 TELEPHONE: CS0304bb.dgn  
 IMPROVEMENTS: NONE  
 100' SCALE/FIELD BOOK: G20S  
 THOMAS BROS. 1289 A7  
 HGL: 536.390

RETIREMENTS:  
 16" - - 700' - 1960  
 1" SERVICE - 1- COPPER - UNK  
 2" SERVICE - 3- COPPER - UNK  
 4" SERVICE - 2- COPPER - UNK  
 FH (2-PORT) - 2

- ① BY CITY FORCES AFTER CONTRACTOR  
 STA 1+20.00  
 AFTER PHASE 2 HAS BEEN ACCEPTED AND RED VALVE IS SHUT, CONNECT TO NEW 16" BUTTERFLY VALVE, 20", BK VALVE TO REMAIN SHUT AND PAINTED RED
- ② BY CITY FORCES AHD OF CONTRACTOR  
 CUT-IN  
 STA 4+79.00  
 1-16"X16" TEE (F, F, MJ)  
 2-16" BUTTERFLY VALVES (F, MJ) BK, LT  
 1-16"X8" REDUCER (MJ) 3' LT  
 26"- 16" PVC CLASS 305, RT  
 CLOSE 16" BUTTERFLY VALVE BK  
 AFTER PHASE 3 HAS BEEN ACCEPTED, RECONNECT AND OPEN 16" BUTTERFLY VALVE BK
- ③ BY CITY FORCES AHD OF CONTRACTOR  
 CUT-IN  
 STA 4+79.00 26' RT  
 1-16"X16" TEE (F, F, MJ)  
 2-16" BUTTERFLY VALVES (F, MJ) AHD, RT  
 1-16"X8" REDUCER (MJ) 3' RT  
 CLOSE 16" BUTTERFLY VALVE AHD  
 AFTER PHASE 3 HAS BEEN ACCEPTED, RECONNECT AND OPEN 16" BUTTERFLY VALVE AHD
- ④ BY CONTRACTOR FURNISH AND INSTALL  
 STA 4+41.79  
 1- 16" X 6" TEE (MJ, MJ, F)  
 1- 6" FH (3-PORT) ASSY AND MARKER
- ⑤ BY CONTRACTOR FURNISH AND INSTALL  
 STA 1+60.00  
 1- 4" BLOW OFF ASSY, LT

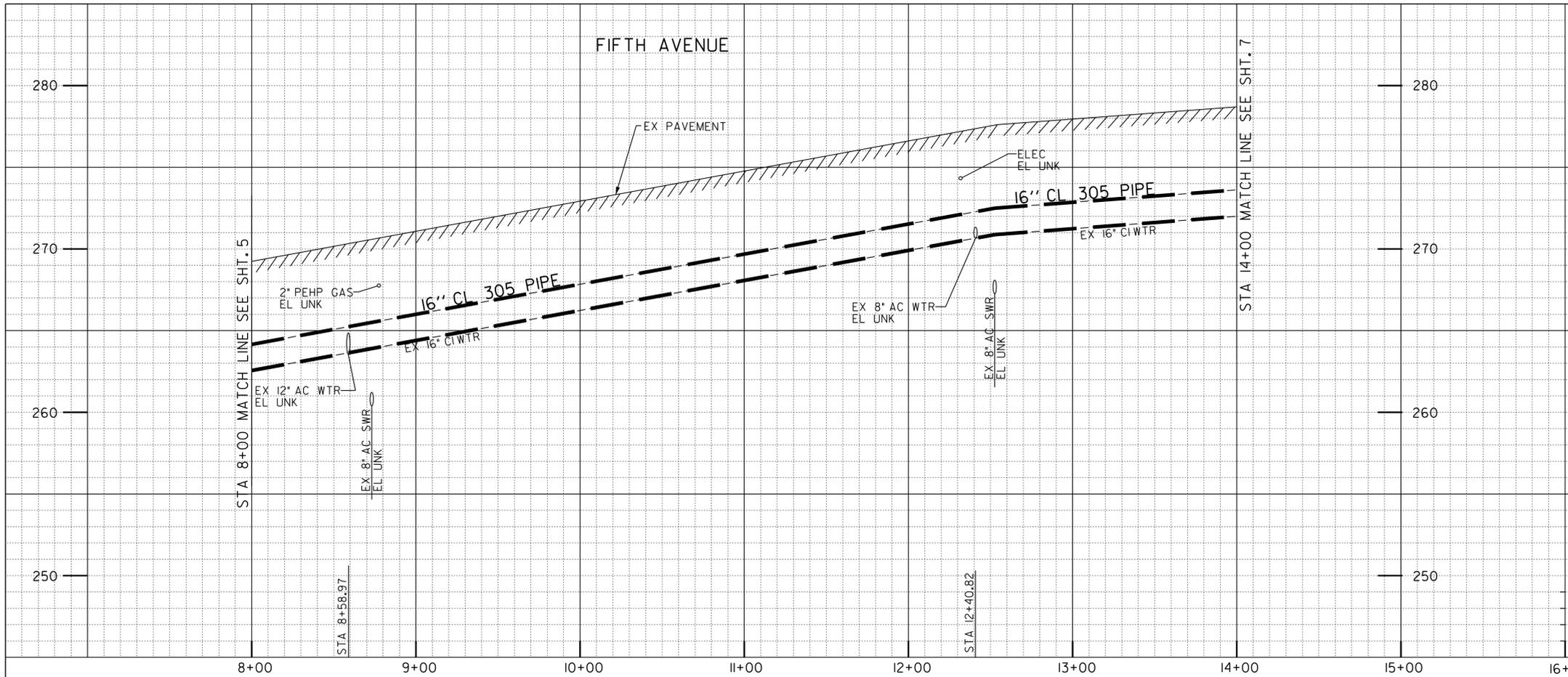
- ⑥ BY CONTRACTOR FURNISH AND INSTALL  
 STA. 2+65.29  
 1-16"X10" TEE (MJ, MJ, F)  
 1-10" FIRE SERVICE CONNECTION, LT  
 CONNECT TO EXIST. BACKFLOW PREVENTER
- ⑦ BY CONTRACTOR FURNISH AND INSTALL  
 STA. 2+73.54  
 1-16"X4" TEE (MJ, MJ, F)  
 1-4" GATE VALVE (F, MJ)
- ⑧ BY CONTRACTOR FURNISH AND INSTALL  
 STA. 2+80.97  
 1-16"X4" TEE (MJ, MJ, F)  
 1-4" GATE VALVE (F, MJ)



<b>WATER GROUP JOB 945</b> <b>FIFTH AVENUE</b> LAUREL ST. TO STA 8+0.00			
CITY OF SAN DIEGO, CALIFORNIA PUBLIC WORKS DEPARTMENT SHEET 05 OF 16 SHEETS		WATER WBS B-11041	
FOR CITY ENGINEER: <i>[Signature]</i>		DATE: 3/18/2013	
CHECKED BY: MAHYAR NAVIZI PROJECT ENGINEER		ASSOCIATE ENGINEER: LUIS SCHAAR	
206-1719 CCS27 COORDINATE		6280407-1846444 CCS83 COORDINATE	
CONTRACTOR: _____ DATE STARTED: _____		INSPECTOR: _____ DATE COMPLETED: _____	
<b>36951-05-D</b>			

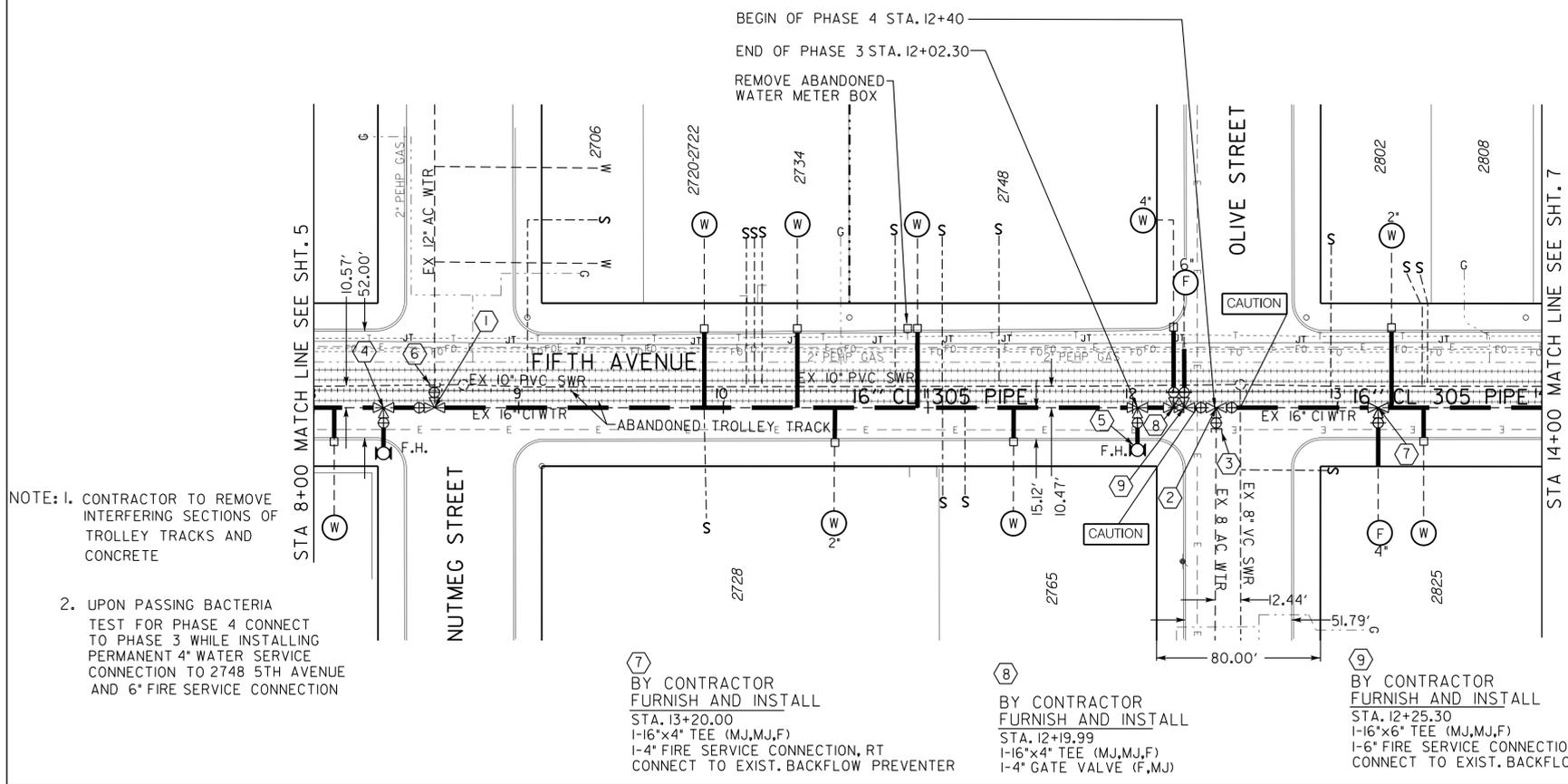
FIFTH AVENUE

C-4



Element: Linear	PI ( 203)	8+58.88	1847863.12	6281740.32
	PI ( 204)	12+44.87	1848249.12	6281740.90
Tangential Direction:		N 0°05'11" E		
Tangential Length:		386.00		
Element: Linear	PI ( 204)	12+44.87	1848249.12	6281740.90
	PI ( 205)	16+29.13	1848633.37	6281741.50
Tangential Direction:		N 0°05'21" E		
Tangential Length:		384.26		

SCALE  
1"=40' HORIZ.  
1"=4' VERT.

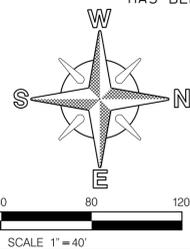


- ① BY CONTRACTOR FURNISH AND INSTALL  
STA 8+58.97  
1-16"x12" TEE (F,F,MJ)  
1-16" BUTTERFLY VALVE (F,MJ) BK  
1-12" GATE VALVE (F,MJ) LT
- ② BY CONTRACTOR FURNISH AND INSTALL  
STA 12+40.82  
1-16"x8" TEE (F,F,MJ)  
2-16" BUTTERFLY VALVES (F,MJ) BK,AHD  
1-8" GATE VALVE (F,MJ) RT  
ONCE PHASE 4 HAS BEEN ACCEPTED RECONNECT TO PHASE 3
- ③ BY CITY FORCES AHD OF CONTRACTOR  
STA 12+40.82 10' RT  
CUT AND PLUG  
EXISTING 8" AC WATER  
RECONNECT AFTER NEW MAIN HAS BEEN ACCEPTED
- ④ BY CONTRACTOR FURNISH AND INSTALL  
STA 8+34.02  
1- 16" X 6" TEE (MJ, MJ, F)  
1- 6" FH (3-PORT) ASSY AND MARKER
- ⑤ BY CONTRACTOR FURNISH AND INSTALL  
STA 12+02.30  
1- 16" X 6" TEE (MJ, MJ, F)  
1- 6" FH (3-PORT) ASSY AND MARKER  
INSTALL BLIND FLANGE WITH TEMPORARY 4" BLOW OFF AHD AND CONNECT TO 4" WATER SERVICE AT 2748 5TH AVE WHEN PHASE 3 IS ACCEPTED.  
ONCE PHASE 4 ACCEPTED REMOVE AND RECONNECT TO TEE AT STATION 12+40
- ⑥ BY CITY FORCES AHD OF CONTRACTOR  
STA 8+58.97 10' LT  
CUT AND PLUG  
EXISTING 12" AC WATER  
RECONNECT AFTER NEW MAIN HAS BEEN ACCEPTED
- ⑦ BY CONTRACTOR FURNISH AND INSTALL  
STA. 13+20.00  
1-16"x4" TEE (MJ,MJ,F)  
1-4" FIRE SERVICE CONNECTION, RT  
CONNECT TO EXIST. BACKFLOW PREVENTER
- ⑧ BY CONTRACTOR FURNISH AND INSTALL  
STA. 12+19.99  
1-16"x4" TEE (MJ,MJ,F)  
1-4" GATE VALVE (F,MJ)
- ⑨ BY CONTRACTOR FURNISH AND INSTALL  
STA. 12+25.30  
1-16"x6" TEE (MJ,MJ,F)  
1-6" FIRE SERVICE CONNECTION, LT  
CONNECT TO EXIST. BACKFLOW PREVENTER

- REFERENCE:  
WATER: I1707-D  
SEWER: 31095I-D  
STORM DRAIN: 645I-0-L  
GAS: 15-4890  
ELECTRIC: 2-148  
CABLE TV: AT&T  
TELEPHONE: CS0304bb.dgn  
IMPROVEMENTS: NONE  
100' SCALE/FIELD BOOK: G20S  
THOMAS BROS. 1289 A7  
HGL: 536
- RETIREMENTS:  
16" - CI - 600' - 1905  
1" SERVICE - 5 - COPPER - UNK  
2" SERVICE - 2 - COPPER - UNK  
4" SERVICE - 1 - COPPER - UNK  
FH (2-PORT) - 2

NOTE: 1. CONTRACTOR TO REMOVE INTERFERING SECTIONS OF TROLLEY TRACKS AND CONCRETE

2. UPON PASSING BACTERIA TEST FOR PHASE 4 CONNECT TO PHASE 3 WHILE INSTALLING PERMANENT 4" WATER SERVICE CONNECTION TO 2748 5TH AVENUE AND 6" FIRE SERVICE CONNECTION



WATER GROUP JOB 945 FIFTH AVENUE STA 8+0.00 TO STA 14+0.00			
CITY OF SAN DIEGO, CALIFORNIA PUBLIC WORKS DEPARTMENT SHEET 06 OF 16 SHEETS		WATER WBS B-11041	
FOR CITY ENGINEER <i>[Signature]</i>		DATE 3/18/2013	
ASSOCIATE ENGINEER		LUIS SCHAAR	
CHECKED BY MAHYAR NAVIZI		PROJECT ENGINEER	
206-1719		CCS27 COORDINATE	
6280407-1846444		CCS83 COORDINATE	
CONTRACTOR _____		DATE STARTED _____	
INSPECTOR _____		DATE COMPLETED _____	
36951-06 -D			

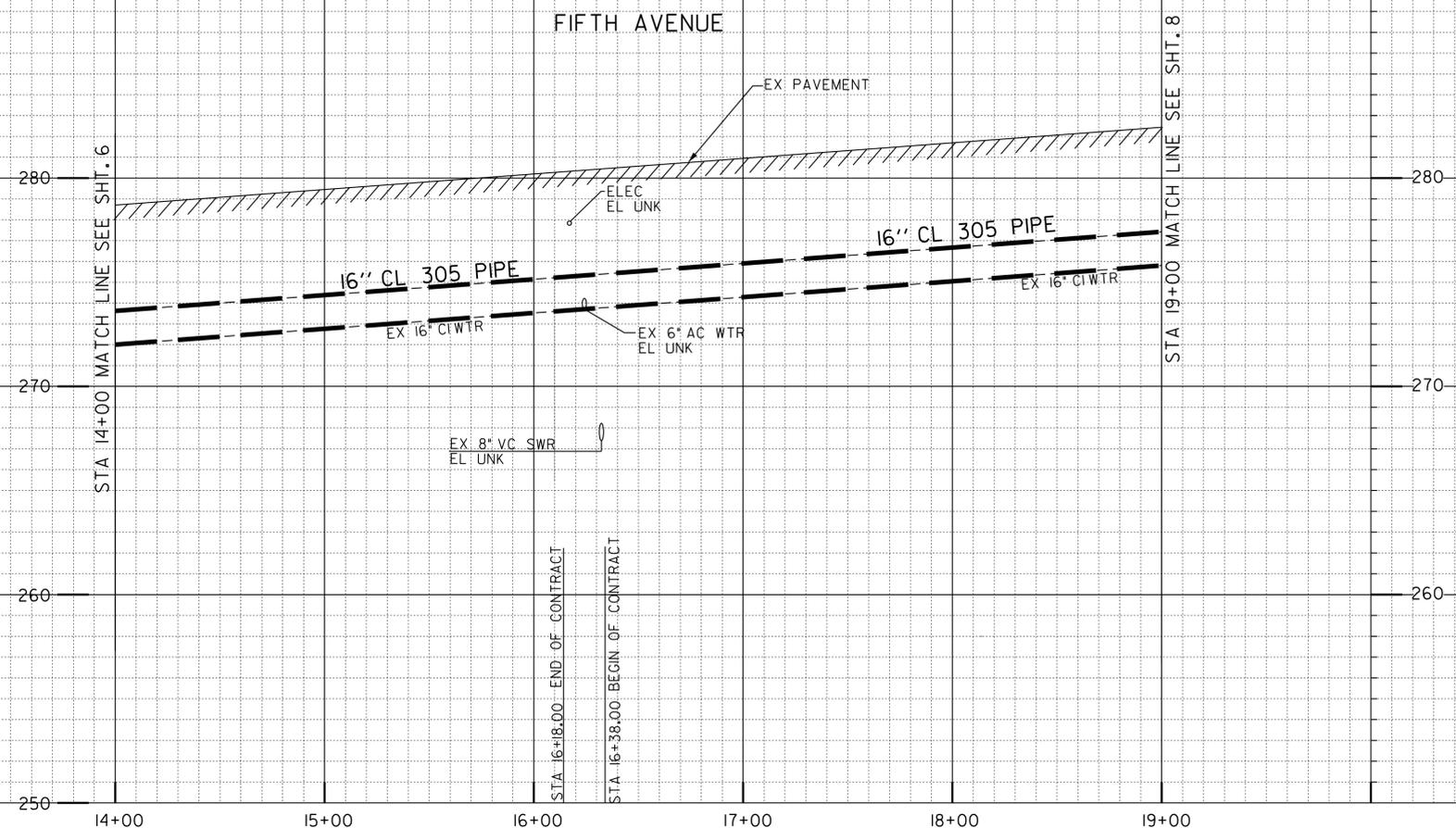
FIFTH AVENUE

C-5

Element: Linear  
 PI ( 205)  
 PI ( 206)  
 Tangential Direction: N 0°05'21" E  
 Tangential Length: 375.00

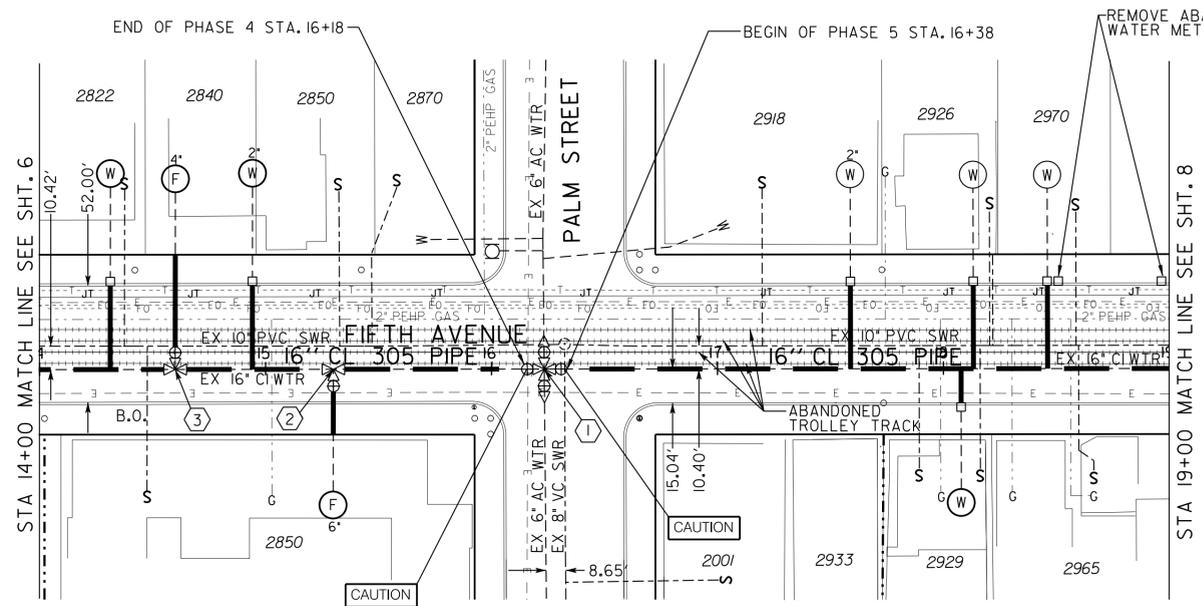
16+29.13  
 20+04.13  
 1848633 37  
 1849008 37

6281741 50  
 6281742 08



SCALE  
 1"=40' HORIZ.  
 1"=4' VERT.

NOTE: 1. CONTRACTOR TO REMOVE INTERFERING SECTIONS OF TROLLEY TRACKS AND CONCRETE



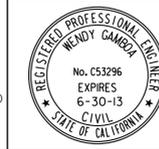
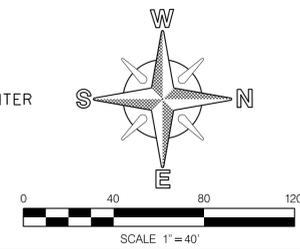
①  
 BY CITY FORCES  
 INSTALL AHD OF  
 CONTRACTOR  
 CUT-IN  
 STA. 16+28.00  
 1-16"x8" CROSS (F)  
 2-16" BUTTERFLY VALVES (F,MJ) BK,AHD  
 2-8" GATE VALVE (F, MJ) RT,LT  
 2-8"x6" REDUCER (MJ) 3', RT,LT  
 CLOSE 16" BUTTERFLY VALVES AHD, BK  
 AFTER NEW 16" PIPE HAS BEEN ACCEPTED  
 IN PHASE 4 AND 5 RECONNECT AND OPEN  
 16" BUTTERFLY VALVES AHD, BK

②  
 BY CONTRACTOR  
 FURNISH AND INSTALL  
 STA. 15+30.00  
 1-16"x6" TEE (MJ,MJ,F)  
 1-6" FIRE SERVICE CONNECTION, RT  
 CONNECT TO EXIST. BACKFLOW PREVENTER

③  
 BY CONTRACTOR  
 FURNISH AND INSTALL  
 STA. 14+60.08  
 1-16"x4" TEE (MJ,MJ,F)  
 1-4" FIRE SERVICE CONNECTION, LT  
 CONNECT TO EXIST. BACKFLOW PREVENTER

REFERENCE:  
 WATER: I1707-4-D  
 SEWER: 310951-D  
 STORM DRAIN: 6451-0-L  
 GAS: I5-4890  
 ELECTRIC: 2-148  
 CABLE TV: AT&T  
 TELEPHONE: CS0304bb.dgn  
 IMPROVEMENTS: NONE  
 100' SCALE/FIELD BOOK: G205  
 THOMAS BROS. I289 A7  
 HGL: 536

RETIREMENTS:  
 16" - CI - 500' - 1905  
 1" SERVICE - 4 - COPPER - UNK  
 2" SERVICE - 2 - COPPER - UNK



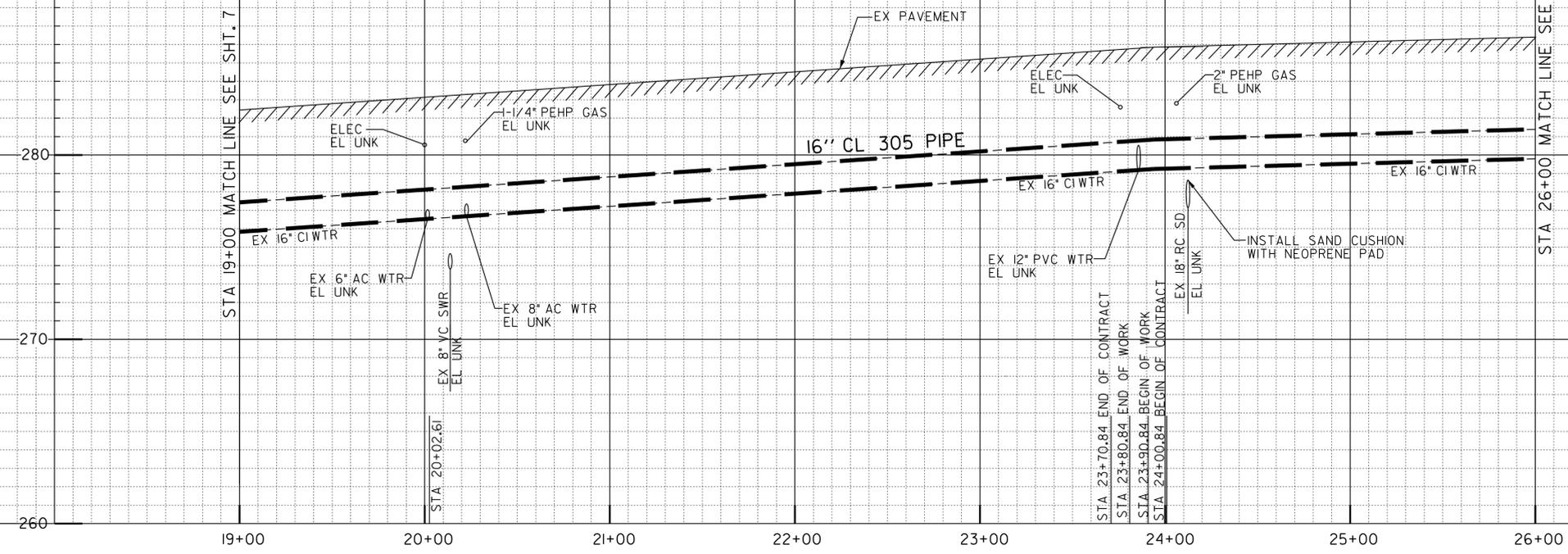
<b>WATER GROUP JOB 945</b> <b>FIFTH AVENUE</b> STA 14 +00 TO STA 19+00			
CITY OF SAN DIEGO, CALIFORNIA PUBLIC WORKS DEPARTMENT SHEET 07 OF 16 SHEETS		WATER WBS B-11041	
FOR CITY ENGINEER <i>[Signature]</i>	DATE 3/18/2013	SUBMITTED BY LUIS SCHAAR ASSOCIATE ENGINEER	
DESCRIPTION ORIGINAL	BY ED/MN	APPROVED DATE	FILMED
CHECKED BY MAHYAR NAVIZI PROJECT ENGINEER		206-1719 CCS27 COORDINATE	
CONTRACTOR		DATE STARTED	
INSPECTOR		DATE COMPLETED	
		6280407-1846444 CCS83 COORDINATE <b>36951-07-D</b>	

FIFTH AVENUE

C-6

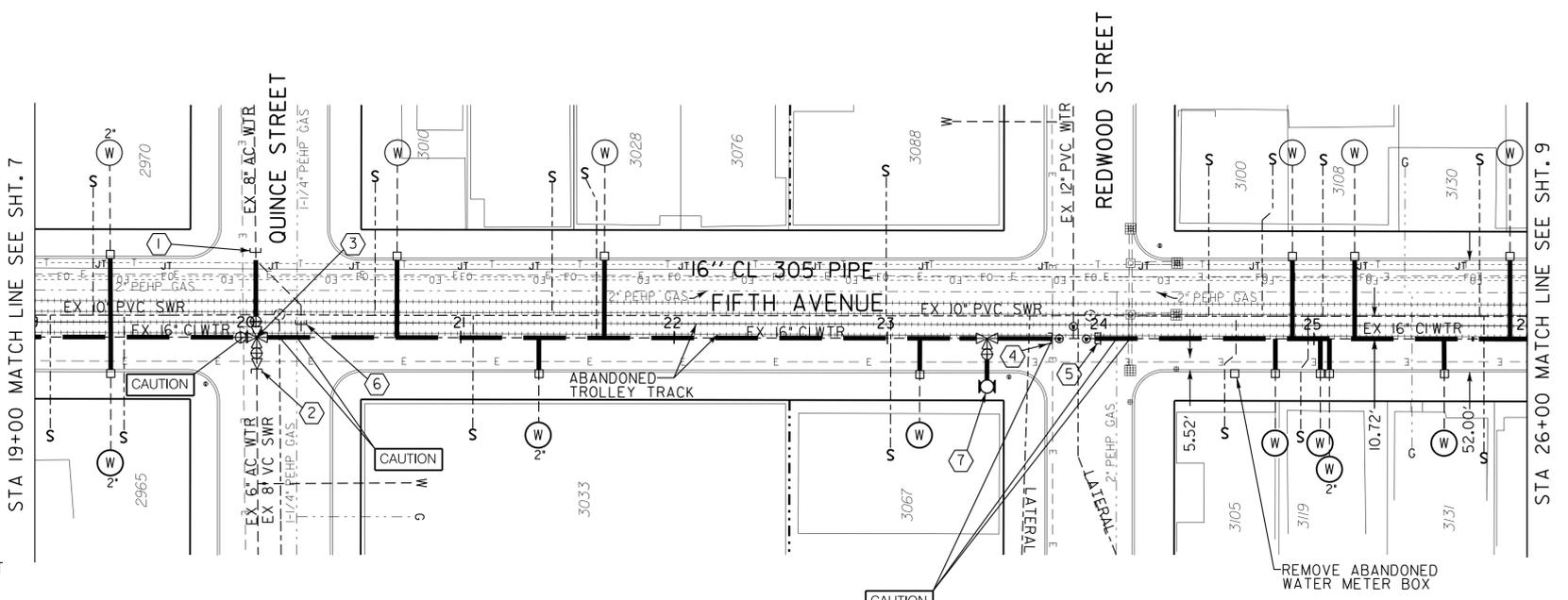
FIFTH AVENUE

Element: Linear	PI( 206)	20-04 13	1849008 37	6281742 08
	PI( 207)	23-87 37	1849391 61	6281742 64
Tangential Direction:		N 0°04'58" E		
Tangential Length:		383.24		
Element: Linear	PI( 207)	23-87 37	1849391 61	6281742 64
	PI( 208)	27-72 00	1849776 24	6281743 20
Tangential Direction:		N 0°05'01" E		



SCALE  
1"=40' HORIZ.  
1"=4' VERT.

- ① BY CITY FORCES  
AHD OF CONTRACTOR  
STA 20+02.61 15' RT  
CUT AND PLUG  
EX 8" AC WATER  
RECONNECT AFTER NEW MAIN  
HAS BEEN ACCEPTED WITH  
APPROXIMATELY 40' 8" PVC PIPE
- ② BY CITY FORCES  
AHD OF CONTRACTOR  
STA 20+02.61 15' RT  
CUT AND PLUG  
EX 6" AC WATER  
RECONNECT AFTER NEW MAIN  
HAS BEEN ACCEPTED TO  
EX 6" AC WATER
- ③ BY CONTRACTOR  
FURNISH AND INSTALL  
STA 20+2.61  
1-16"X8" CROSS (F, F, F, MJ)  
1-16" BUTTERFLY VALVE  
(F, MJ) BK  
2-8" GATE VALVES (F, MJ) LT, RT  
1-8"X6" REDUCER (MJ) 3' RT
- ④ BY CITY FORCES  
AHD OF CONTRACTOR  
STA 23+80.84  
CUT AND PLUG  
EX 16" CI WATER  
RECONNECT TO EXISTING 16" PVC AHD  
AFTER NEW MAIN HAS BEEN ACCEPTED



- ⑤ BY CITY FORCES  
AHD OF CONTRACTOR  
STA 23+90.84  
CUT AND PLUG  
EX 16" CI WATER  
RECONNECT TO EXISTING 16" PVC BK  
AFTER NEW MAIN HAS BEEN ACCEPTED

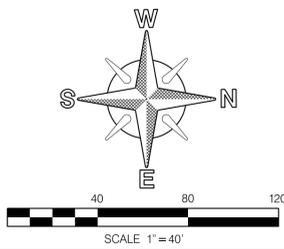
- ⑥ BY CITY FORCES  
AHD OF CONTRACTOR  
STA 20+20.96 10' LT  
PERMANENT CUT AND PLUG  
EX 8" AC WATER

- ⑦ BY CONTRACTOR  
FURNISH AND INSTALL  
STA 23+46.60  
1- 16" X 6" TEE (MJ, MJ, F)  
1- 6" FH(3-PORT) ASSY AND MARKER

NOTE: CONTRACTOR TO REMOVE  
INTERFERING SECTIONS OF  
TROLLEY TRACKS AND  
CONCRETE

REFERENCE:  
WATER: I1707-D  
SEWER: 310951-D  
STORM DRAIN: 6451-0-L  
GAS: 15-4890  
ELECTRIC: 2-148  
CABLE TV: AT&T  
TELEPHONE: CS0304bb.dgn  
IMPROVEMENTS: NONE  
100' SCALE/FIELD BOOK: G205  
THOMAS BROS. 1289 A7  
HGL: 536

RETIREMENTS:  
16" - CI - 700' - 1965  
1" SERVICE - 9 - COPPER - UNK  
2" SERVICE - 4 - COPPER - UNK  
FH (2-PORT) - 1

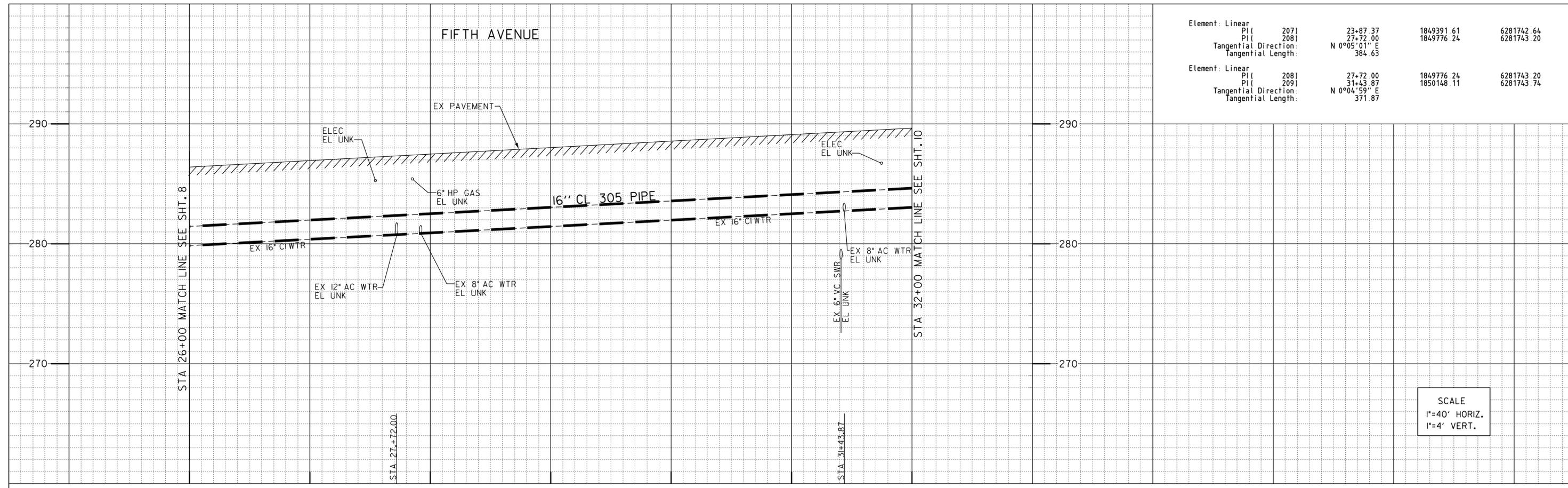


WATER GROUP JOB 945 FIFTH AVENUE STA 19+00 TO STA 26+00			
CITY OF SAN DIEGO, CALIFORNIA PUBLIC WORKS DEPARTMENT SHEET 08 OF 16 SHEETS		WATER WBS B-11041	
FOR CITY ENGINEER		DATE 3/18/2013	
DESCRIPTION ORIGINAL		BY ED/MN	APPROVED DATE FILMED
CONTRACTOR		DATE STARTED	
INSPECTOR		DATE COMPLETED	
CHECKED BY MAHYAR NAVIZI PROJECT ENGINEER 206-1719 CCS27 COORDINATE 6280407-1846444 CCS83 COORDINATE		36951-08-D	

C-7

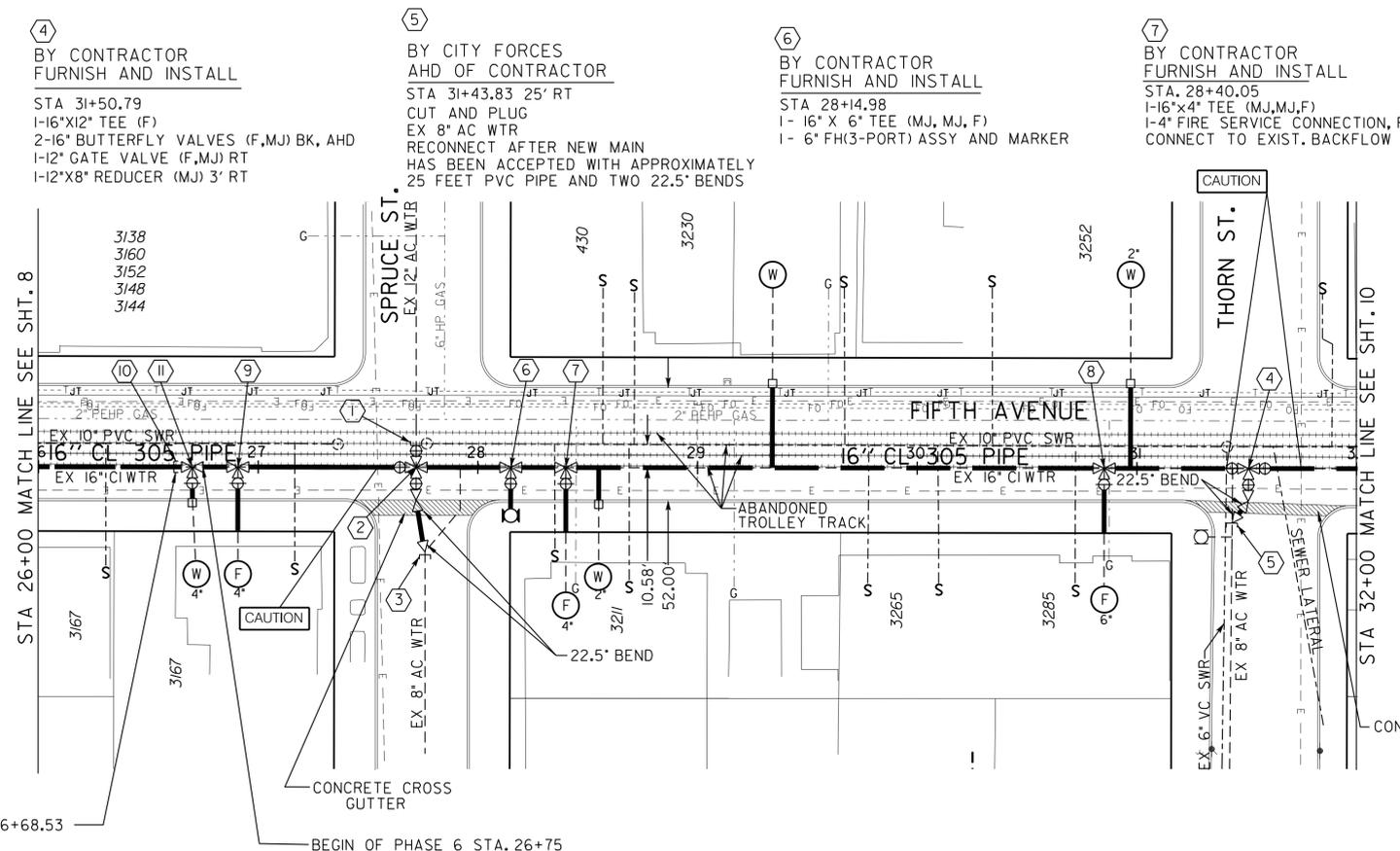
FIFTH AVENUE

Element: Linear	PI ( 207)	23+87.37	1849391.61	6281742.64
	PI ( 208)	27+72.00	1849776.24	6281743.20
Tangential Direction:		N 0°05'01" E		
Tangential Length:		384.63		
Element: Linear	PI ( 208)	27+72.00	1849776.24	6281743.20
	PI ( 209)	31+43.87	1850148.11	6281743.74
Tangential Direction:		N 0°04'59" E		
Tangential Length:		371.87		



SCALE  
1"=40' HORIZ.  
1"=4' VERT.

- ① BY CITY FORCES AHD OF CONTRACTOR  
STA 27+72.00 10' LT  
CUT AND PLUG  
EX 12" AC WTR  
RECONNECT AFTER NEW MAIN HAS BEEN ACCEPTED
- ② BY CONTRACTOR FURNISH AND INSTALL  
STA 27+72.00  
1-16"x12" CROSS (F, F, F, MJ)  
1-16" BUTTERFLY VALVE (F,MJ) BK  
2-12" GATE VALVES (F,MJ) LT, RT  
1-12"x8" REDUCER (MJ) 3' RT
- ③ BY CITY FORCES AHD OF CONTRACTOR  
STA 27+75.92 40' RT  
CUT AND PLUG  
EX 8" AC WTR  
RECONNECT AFTER NEW MAIN HAS BEEN ACCEPTED WITH APPROXIMATELY 40' 8" PVC PIPE AND TWO 22.5' BENDS

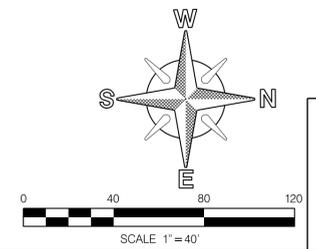


- ④ BY CONTRACTOR FURNISH AND INSTALL  
STA 31+50.79  
1-16"x12" TEE (F)  
2-16" BUTTERFLY VALVES (F,MJ) BK, AHD  
1-12" GATE VALVE (F,MJ) RT  
1-12"x8" REDUCER (MJ) 3' RT
- ⑤ BY CITY FORCES AHD OF CONTRACTOR  
STA 31+43.83 25' RT  
CUT AND PLUG  
EX 8" AC WTR  
RECONNECT AFTER NEW MAIN HAS BEEN ACCEPTED WITH APPROXIMATELY 25 FEET PVC PIPE AND TWO 22.5' BENDS
- ⑥ BY CONTRACTOR FURNISH AND INSTALL  
STA 28+14.98  
1- 16" X 6" TEE (MJ, MJ, F)  
1- 6" FH(3-PORT) ASSY AND MARKER
- ⑦ BY CONTRACTOR FURNISH AND INSTALL  
STA. 28+40.05  
1-16"x4" TEE (MJ,MJ,F)  
1-4" FIRE SERVICE CONNECTION, RT  
CONNECT TO EXIST. BACKFLOW PREVENTER
- ⑧ BY CONTRACTOR FURNISH AND INSTALL  
STA. 30+85.08  
1-16"x6" TEE (MJ,MJ,F)  
1-6" FIRE SERVICE CONNECTION, RT  
CONNECT TO EXIST. BACKFLOW PREVENTER
- ⑨ BY CONTRACTOR FURNISH AND INSTALL  
STA. 26+90.95  
1-16"x4" TEE (MJ,MJ,F)  
1-4" FIRE SERVICE CONNECTION, RT  
CONNECT TO EXIST. BACKFLOW PREVENTER
- ⑩ BY CITY FORCES AHD OF CONTRACTOR  
STA 26+68.53  
CUT AND PLUG  
EX 16" CIWTR  
RECONNECT AFTER PHASE 6 HAS BEEN ACCEPTED
- ⑪ BY CONTRACTOR FURNISH AND INSTALL  
STA. 26+70.00  
1-16"x4" TEE (MJ,MJ,F)  
1-4" GATE VALVE (F,MJ)

REFERENCE:  
WATER: I1707-D  
SEWER: 22708-D  
STORM DRAIN: 6451-0-L  
GAS: 15-4890  
ELECTRIC: 2-148  
CABLE TV: AT&T  
TELEPHONE: CS0304bb.dgn  
IMPROVEMENTS: NONE  
100' SCALE/FIELD BOOK: G205  
THOMAS BROS. I289 A7  
HGL: 536

RETIREMENTS:  
16" - CI - 600' - 1965  
1" SERVICE - 1 - COPPER - UNK  
2" SERVICE - 2 - COPPER - UNK  
4" SERVICE - 1 - COPPER - UNK  
FH (2-PORT) - 1

- NOTE:
- CONTRACTOR TO REMOVE INTERFERING SECTIONS OF TROLLEY TRACKS AND CONCRETE
  - UPON PASSING BACTERIA TEST FOR PHASE 5 CONTRACTOR TO INSTALL TEMPORARY BLOWOFF CONNECTION TO 4" WATER SERVICE AT 3167 5TH AVENUE
  - UPON PASSING BACTERIA TEST FOR PHASE 6 CITY FORCES TO CONNECT TO PHASE 5 WHILE CONTRACTOR IS INSTALLING PERMANENT 4" WATER SERVICE CONNECTION AT 3167 5TH AVENUE



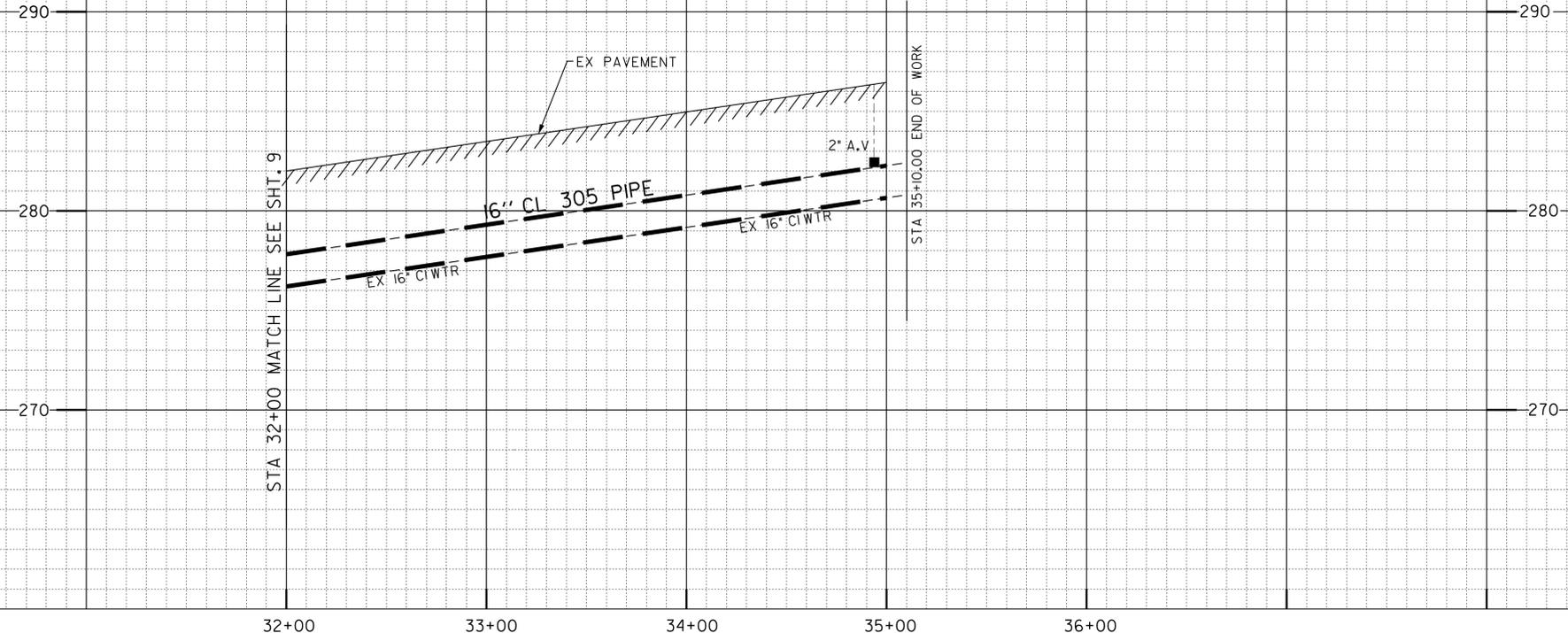
WATER GROUP JOB 945 5TH AVENUE STA 26+00 TO STA 32+00			
CITY OF SAN DIEGO, CALIFORNIA PUBLIC WORKS DEPARTMENT SHEET 09 OF 16 SHEETS		WATER WBS B-11041	
FOR CITY ENGINEER <i>W. Saml</i>		DATE 3/18/2013	
DESIGNER LUIS SCHAAR ASSOCIATE ENGINEER		CHECKED BY MAHYAR NAVIZI PROJECT ENGINEER	
ORIGINAL		ED/MN	
APPROVED		DATE	
FILMED		DATE	
CONTRACTOR		DATE STARTED	
INSPECTOR		DATE COMPLETED	
206-1719 CCS27 COORDINATE 6280407-1846444 CCS83 COORDINATE		36951-09-D	

FIFTH AVENUE

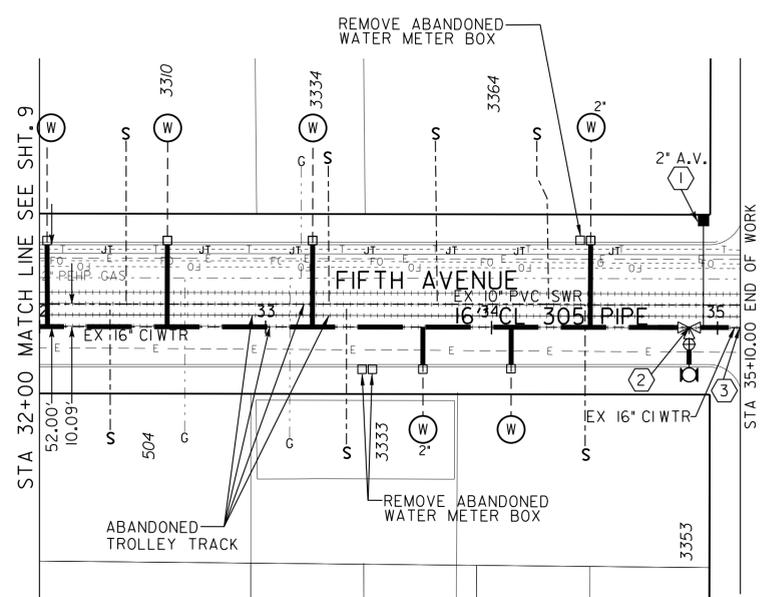
C-8

FIFTH AVENUE

Element: Linear  
 PI ( 209) 31+43.87 1850148 11 6281743 74  
 POE ( 210) 35+55.00 1850559 24 6281744 33  
 Tangential Direction: N 0°04'59" E  
 Tangential Length: 411.13



SCALE  
 1"=40' HORIZ.  
 1"=4' VERT.



- ①  
 BY CONTRACTOR  
 FURNISH AND INSTALL  
 STA 34+93.78  
 1- 2" AIR/VACUUM VALVE ASSY, LT
- ②  
 BY CONTRACTOR  
 FURNISH AND INSTALL  
 STA 34+87.52  
 1- 16" X 6" TEE (M.J, M.J, F)  
 1- 6" FH ASSY(3-PORT) AND MARKER
- ③  
 BY CITY FORCES  
 AHD OF CONTRACTOR  
 STA 35+10.00  
 CUT AND PLUG  
 EX 16" CI WTR  
 AFTER NEW MAIN  
 HAS BEEN ACCEPTED  
 RECONNECT WITH COUPLING

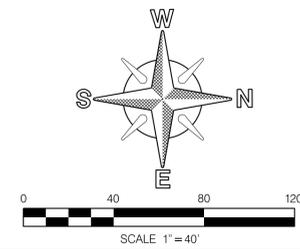
REFERENCE:  
 WATER: 11707-D  
 SEWER: 22708-D  
 STORM DRAIN: 6451-0-L  
 GAS: 15-4890  
 ELECTRIC: 2-148  
 CABLE TV: AT&T  
 TELEPHONE: CS0304bb.dgn  
 IMPROVEMENTS: NONE  
 100' SCALE/FIELD BOOK: G20S  
 THOMAS BROS. 1289 A7  
 HGL: 536

RETIREMENTS:  
 16" - CI - 355' - 1965  
 1" SERVICE - 4 - COPPER - UNK  
 2" SERVICE - 2 - COPPER - UNK  
 FH (2-PORT) - 1

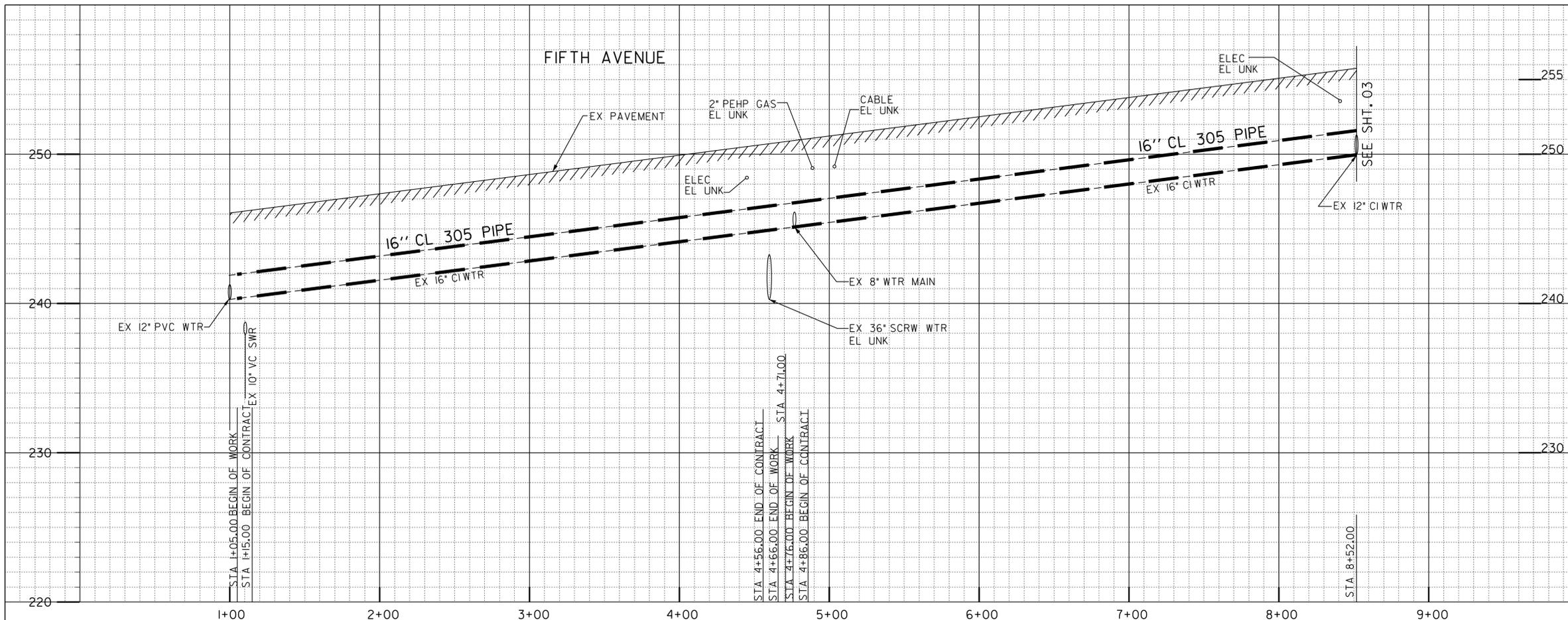
C-9

WATER GROUP JOB 945  
 FIFTH AVENUE  
 STA 32+00 TO UPAS ST.

CITY OF SAN DIEGO, CALIFORNIA PUBLIC WORKS DEPARTMENT SHEET 10 OF 16 SHEETS		WATER WBS	B-11041
FOR CITY ENGINEER	DATE	3/18/2013	ASSOCIATE ENGINEER
DESCRIPTION	BY	APPROVED	DATE
ORIGINAL	ED/MN		
CHECKED BY			PROJECT ENGINEER
			206-1719
			CCS27 COORDINATE
			6280407-1846444
			CCS83 COORDINATE
CONTRACTOR	DATE STARTED	36951-10-D	
INSPECTOR	DATE COMPLETED		



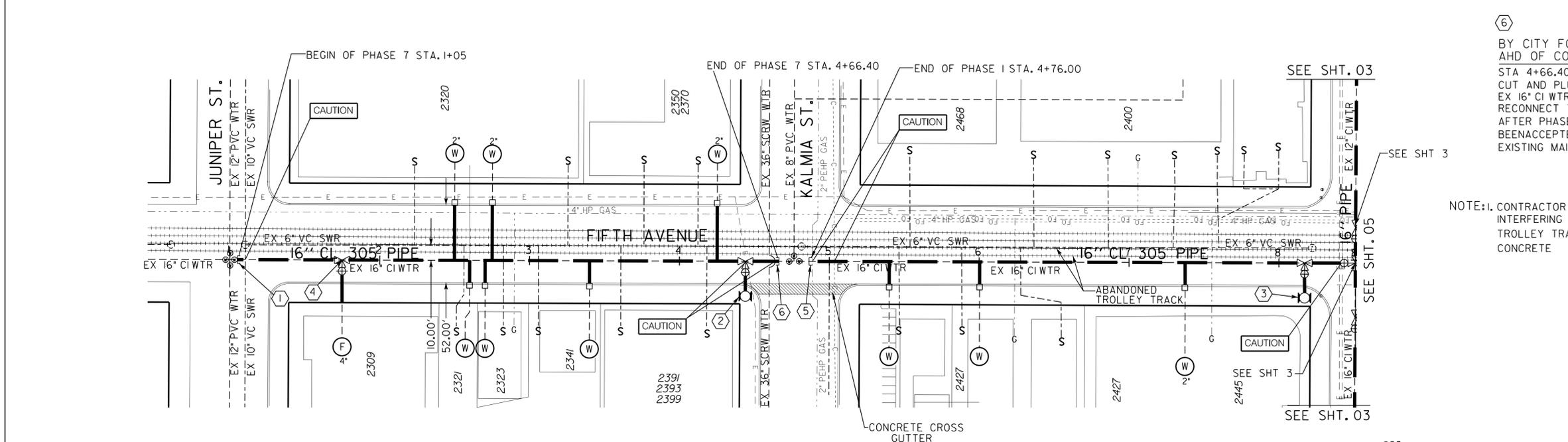
FIFTH AVENUE



\* Alignment name: Alignment No.3  
 \* Alignment description: Juniper st. and Kalmia St.  
 \* Alignment style: Default  
 \* Input Factor: 1.0000000

Element	Linear	STATION	NORTHING	EASTING
POB( )		1+00.00	1846353.27	6281757.45
PI( )		8+17.11	1847070.42	6281757.45
Tangential Direction:		N 0°00'00" E		
Tangential Length:		717.15		
Element	Linear	STATION	NORTHING	EASTING
POE( )		8+17.11	1847070.42	6281757.45
PI( )		8+52.99	1847104.25	6281757.45
Tangential Direction:		N 0°00'00" W		
Tangential Length:		33.83		

SCALE  
1"=40' HORIZ.  
1"=4' VERT.



⑥ BY CITY FORCES  
 AHD OF CONTRACTOR  
 STA 4+66.40  
 CUT AND PLUG (PHASE 7)  
 EX 16" CI WTR  
 RECONNECT TO EXISTING PVC AHD  
 AFTER PHASE 1 THROUGH PHASE 6 HAVE  
 BEEN ACCEPTED AND RECONNECT TO THE  
 EXISTING MAIN

REFERENCE:  
 WATER: I9702-6-D  
 SEWER: 310951-D  
 STORM DRAIN: 6451-0-L  
 GAS: 15-4890  
 ELECTRIC: 2-148  
 CABLE TV: AT&T  
 TELEPHONE: CS0304bb.dgn  
 IMPROVEMENTS: NONE  
 100' SCALE/FIELD BOOK: G20S  
 THOMAS BROS. 1289 A7  
 HGL: 390

NOTE: 1. CONTRACTOR TO REMOVE  
 INTERFERING SECTIONS OF  
 TROLLEY TRACKS AND  
 CONCRETE

RETIREMENTS:  
 16" - CI - 752' - 1905  
 1" SERVICE - 5 - COPPER - UNK  
 2" SERVICE - 4 - COPPER - UNK  
 FH (2-PORT) - 2

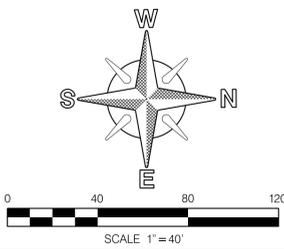
① BY CITY FORCES  
 AHD OF CONTRACTOR  
 STA 1+05.00  
 CUT AND PLUG  
 EX 16" CI WTR  
 RECONNECT TO EXISTING PVC BK  
 AFTER NEW MAIN HAS BEEN ACCEPTED

② BY CONTRACTOR  
 FURNISH AND INSTALL  
 STA 4+44.86  
 1- 16" X 6" TEE (MJ, MJ, F)  
 1- 6" FH ASSY(3-PORT) AND MARKER

③ BY CONTRACTOR  
 FURNISH AND INSTALL  
 STA 8+17.15  
 1- 16" X 6" TEE (MJ, MJ, F)  
 1- 6" FH ASSY(3-PORT) AND MARKER

④ BY CONTRACTOR  
 FURNISH AND INSTALL  
 STA. 01+74.76  
 1- 16" X 4" TEE (MJ, MJ, F)  
 1- 4" FIRE SERVICE CONNECTION, RT  
 CONNECT TO EXIST. BACKFLOW PREVENTER

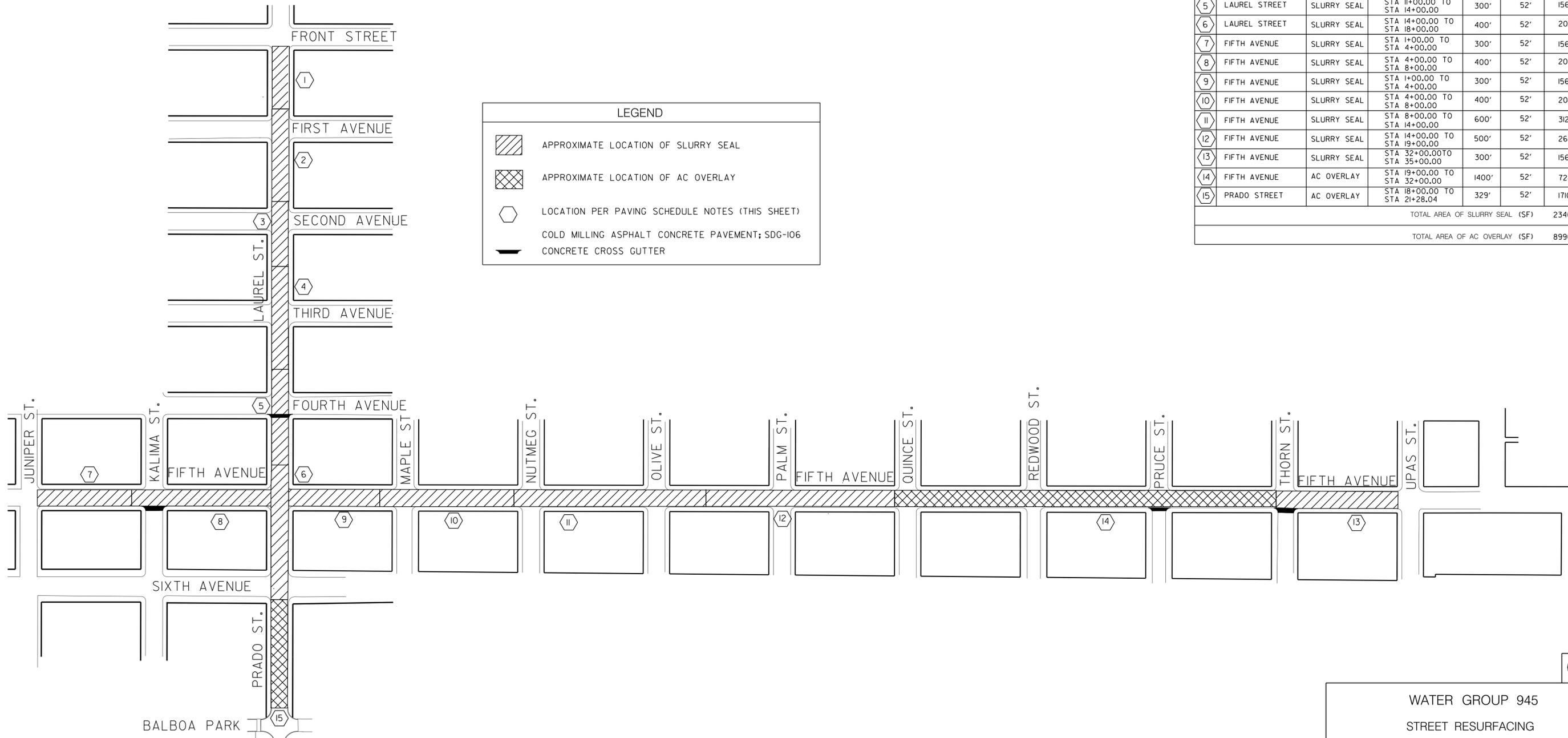
⑤ BY CITY FORCES  
 AHD OF CONTRACTOR  
 STA 4+76.00  
 CUT AND PLUG (PHASE 1)  
 EX 16" CI WTR  
 RECONNECT TO EXISTING PVC BK  
 AFTER NEW MAIN HAS BEEN ACCEPTED



<b>WATER GROUP JOB 945</b> <b>FIFTH AVENUE</b> JUNIPER ST. TO LAUREL ST.			
CITY OF SAN DIEGO, CALIFORNIA PUBLIC WORKS DEPARTMENT SHEET 11 OF 16 SHEETS			WATER WBS B-11041
FOR CITY ENGINEER: <i>[Signature]</i>		DATE: 3/18/2013	
CHANGED BY: MAHYAR NAVIZI		ASSOCIATE ENGINEER	
DESCRIPTION: ORIGINAL		PROJECT ENGINEER: 206-1719	
BY: ED/MN		CCS27 COORDINATE: 6280407-1846444	
APPROVED:		CCS83 COORDINATE:	
DATE:		CONTRACTOR:	
FILMED:		DATE STARTED:	
DATE COMPLETED:		INSPECTOR:	
36951-11-D			

FIFTH AVENUE

C-10



LEGEND	
	APPROXIMATE LOCATION OF SLURRY SEAL
	APPROXIMATE LOCATION OF AC OVERLAY
	LOCATION PER PAVING SCHEDULE NOTES (THIS SHEET)
	COLD MILLING ASPHALT CONCRETE PAVEMENT; SDG-106
	CONCRETE CROSS GUTTER

PAVING SCHEDULE NOTES						
NO.	LOCATION	RESTORATION REQUIRED	STATION	LENGTH	WIDTH	APPROX. AREA
1	LAUREL STREET	SLURRY SEAL	STA 1+00.00 TO STA 3+00.00	200'	52'	10400
2	LAUREL STREET	SLURRY SEAL	STA 3+00.00 TO STA 6+00.00	300'	52'	15600
3	LAUREL STREET	SLURRY SEAL	STA 6+00.00 TO STA 8+00.00	200'	52'	10400
4	LAUREL STREET	SLURRY SEAL	STA 8+00.00 TO STA 11+00.00	300'	52'	15600
5	LAUREL STREET	SLURRY SEAL	STA 11+00.00 TO STA 14+00.00	300'	52'	15600
6	LAUREL STREET	SLURRY SEAL	STA 14+00.00 TO STA 18+00.00	400'	52'	20800
7	FIFTH AVENUE	SLURRY SEAL	STA 1+00.00 TO STA 4+00.00	300'	52'	15600
8	FIFTH AVENUE	SLURRY SEAL	STA 4+00.00 TO STA 8+00.00	400'	52'	20800
9	FIFTH AVENUE	SLURRY SEAL	STA 1+00.00 TO STA 4+00.00	300'	52'	15600
10	FIFTH AVENUE	SLURRY SEAL	STA 4+00.00 TO STA 8+00.00	400'	52'	20800
11	FIFTH AVENUE	SLURRY SEAL	STA 8+00.00 TO STA 14+00.00	600'	52'	31200
12	FIFTH AVENUE	SLURRY SEAL	STA 14+00.00 TO STA 19+00.00	500'	52'	26000
13	FIFTH AVENUE	SLURRY SEAL	STA 32+00.00 TO STA 35+00.00	300'	52'	15600
14	FIFTH AVENUE	AC OVERLAY	STA 19+00.00 TO STA 32+00.00	1400'	52'	72800
15	PRADO STREET	AC OVERLAY	STA 18+00.00 TO STA 21+28.04	329'	52'	17108
TOTAL AREA OF SLURRY SEAL (SF)						234000
TOTAL AREA OF AC OVERLAY (SF)						89908

C-11

WATER GROUP 945  
STREET RESURFACING

CITY OF SAN DIEGO, CALIFORNIA  
PUBLIC WORKS DEPARTMENT  
SHEET 12 OF 16 SHEETS

APPROVED: 3/18/2013  
FOR CITY ENGINEER DATE

SUBMITTED BY: MAHYAR NAVIZI  
PROJECT ENGINEER

DESCRIPTION ORIGINAL BY ED/MN APPROVED DATE FILMED

CONTRACTOR \_\_\_\_\_ DATE STARTED \_\_\_\_\_  
INSPECTOR \_\_\_\_\_ DATE COMPLETED \_\_\_\_\_

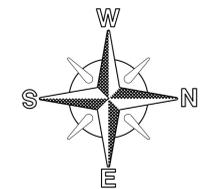
WATER WBS B-11041

LUIS SCHAAR  
PROJECT MANAGER

SEE SHEETS  
CCS27 COORDINATE

SEE SHEETS  
CCS83 COORDINATE

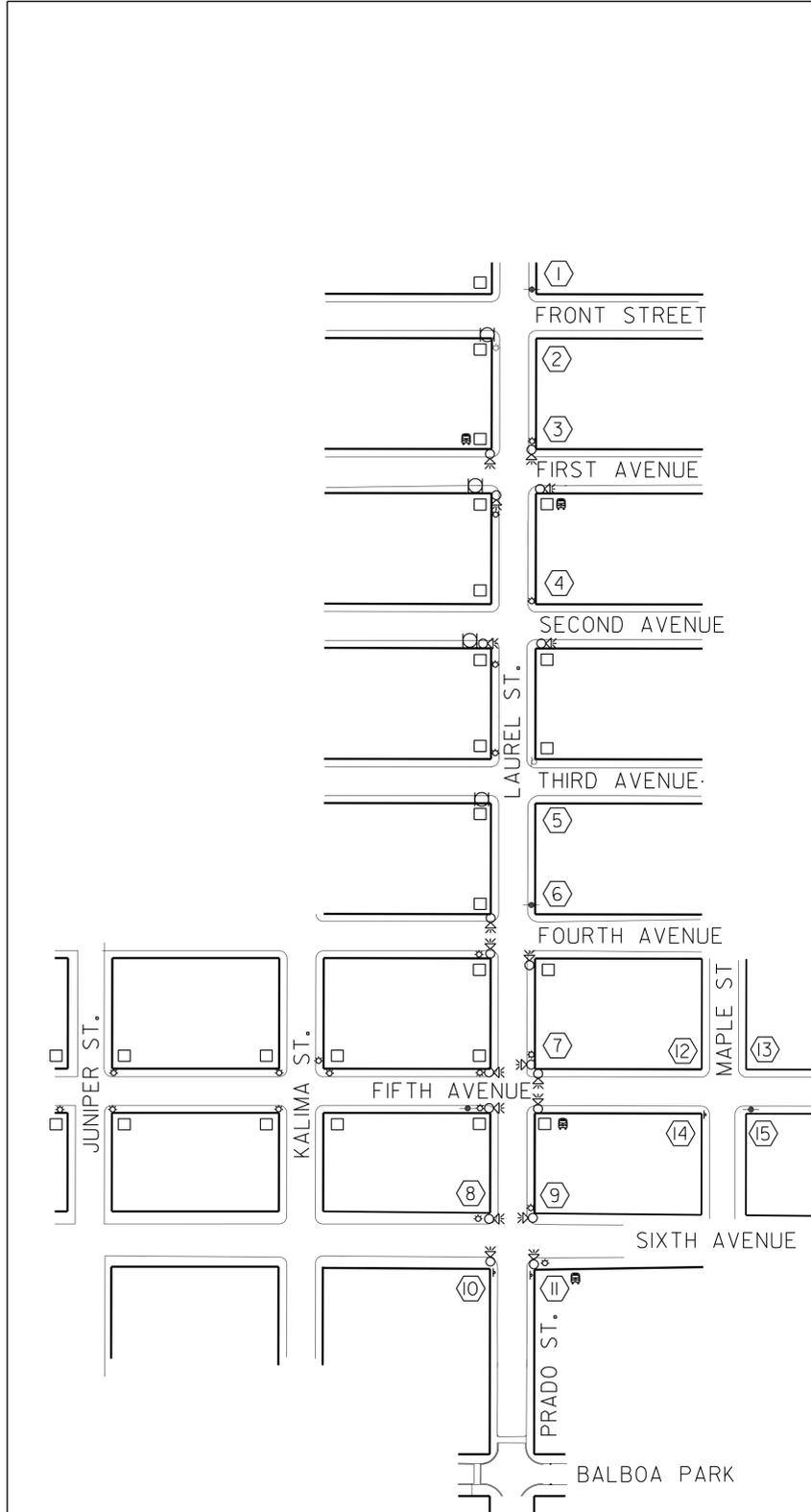
36951-12-D



NO SCALE



STREET RESURFACING



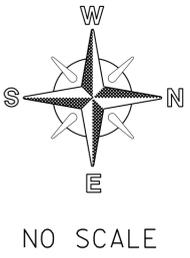
CURB RAMP NOTES TABLE									
LOCATION NO.	RAMP TYPE	NEW	REPLACEMENT	HISTORIC STAMPS	DETECTABLE WARNING TILES		CONSTRAINTS	PAVERS/BRICKS	COMMENTS / MODIFICATIONS
					• STAINLESS STEEL	• OTHER			
1	A		X		X		N/A		
2	A		X		X		N/A		
3	A		X		X		N/A		
4	A		X		X		N/A		
5	A		X		X		N/A		
6	A		X		X		N/A		
7	A		X		X		N/A		
8	A		X		X		N/A		
9	A		X		X		N/A		
10	A		X		X		N/A	ADD SIDEWALK PANEL FOR PUSH BUTTON	
11	A		X		X		N/A		
12	A		X		X		N/A		
13	A		X		X		N/A	CONTRACTOR TO MATCH THE NEW SIDEWALK WITH THE EXISTING COLOR AND FINISH OF THE ADJACENT SIDEWALK.	
14	A		X		X		N/A		
15	A		X		X		N/A		
16	A		X		X		N/A		
17	A		X		X		N/A		
18	A		X		X		N/A	CONTRACTOR TO MATCH THE EXISTING SIDEWALK FINISH AND COLOR	
19	A		X		X		N/A		
20	A		X		X		N/A		
21	A		X		X		N/A		

CURB RAMP NOTES TABLE									
LOCATION NO.	RAMP TYPE	NEW	REPLACEMENT	HISTORIC STAMPS	DETECTABLE WARNING TILES		CONSTRAINTS	PAVERS/BRICKS	COMMENTS / MODIFICATIONS
					• STAINLESS STEEL	• OTHER			
22	C2		X		X		N/A		
23	A		X		X		N/A		
24	A		X		X		N/A		
25	A		X		X		N/A		
26	A		X		X		N/A		
27	C2	X			X	X	N/A		
28	A		X		X		N/A		
29	C2	X			X	X	N/A		
30	C2	X			X	X	N/A		
31	A		X		X		N/A		

• THE DETECTABLE WARNING TILES SHALL BE PER THE CITY'S APPROVED MATERIALS LIST

• THE DETECTABLE WARNING TILES SHALL BE PER THE CITY'S APPROVED MATERIALS LIST

**NOTE:**  
 CONTRACTOR TO NOTIFY SURVEYING 30 DAYS PRIOR TO REMOVAL OF SIDEWALK FOR CURB RAMP CONSTRUCTION TO RELOCATE ANY SURVEY MARKERS.



**LEGEND**

- Ⓢ CURB RAMP NO's
- EX ELECTRIC POLE
- EX FIRE HYDRANT
- ⊙ EX STREET LIGHT
- ⊗ EX TRAFFIC SIGNAL
- ⊢ EX STREET SIGN
- EX CURB RAMP
- Ⓜ BUS STOP

PROPOSED CURB RAMP PER STANDARD DRAWINGS:

A & B	SDG-132
C1	SDG-134
C2	SDG-135
GEN. CURB RAMP NOTES	SDG-130
CURB RAMP DETAILS	SDG-137
EX STAMP/IMPRESSION PLACEMENT	SDG-115



**WATER GROUP JOB 945**  
**CURB RAMP LOCATION**

CITY OF SAN DIEGO, CALIFORNIA PUBLIC WORKS DEPARTMENT SHEET 13 OF 16 SHEETS		WATER WBS: B-11041
APPROVED FOR CITY ENGINEER: <i>[Signature]</i>	DATE: 3/18/2013	SUBMITTED BY: LUIS SCHAAR PROJECT MANAGER
DESCRIPTION: ORIGINAL	BY: ED/MN	CHECKED BY: MAHYAR NAVIZI PROJECT ENGINEER
	APPROVED: [ ]	DATE: [ ]
	APPROVED: [ ]	DATE: [ ]
	APPROVED: [ ]	DATE: [ ]
	APPROVED: [ ]	DATE: [ ]
	APPROVED: [ ]	DATE: [ ]
CONTRACTOR: _____	DATE STARTED: _____	36951-13-D
INSPECTOR: _____	DATE COMPLETED: _____	

# WORK BY CITY FORCES

## LEGEND

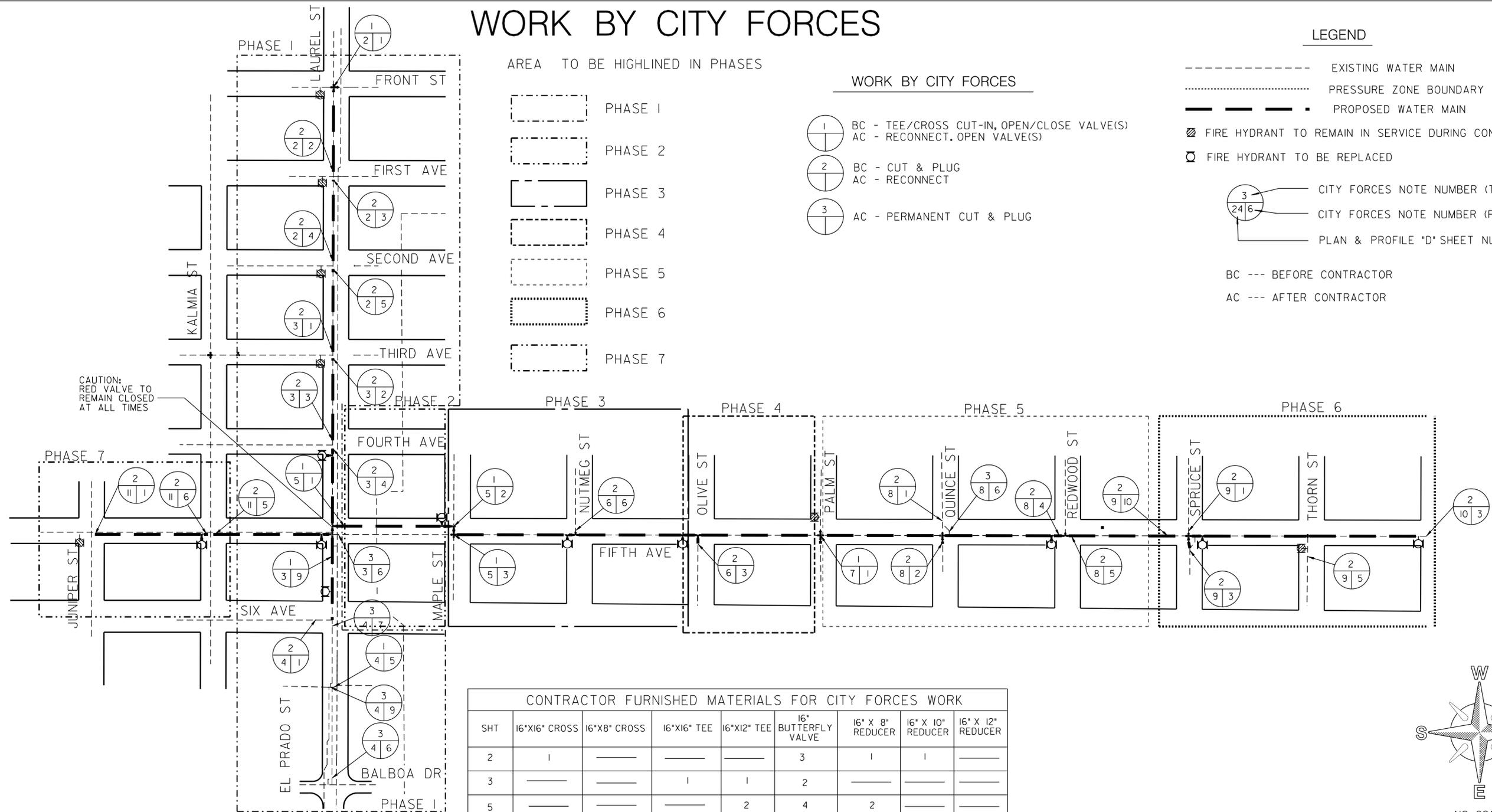
- EXISTING WATER MAIN
- ..... PRESSURE ZONE BOUNDARY
- PROPOSED WATER MAIN
- ☒ FIRE HYDRANT TO REMAIN IN SERVICE DURING CONSTRUCTION
- ☐ FIRE HYDRANT TO BE REPLACED
- ③ CITY FORCES NOTE NUMBER (THIS SHEET)
- ②④⑥ CITY FORCES NOTE NUMBER (PLAN & PROFILE SHT.)
- PLAN & PROFILE "D" SHEET NUMBER
- BC --- BEFORE CONTRACTOR
- AC --- AFTER CONTRACTOR

## WORK BY CITY FORCES

- ① BC - TEE/CROSS CUT-IN, OPEN/CLOSE VALVE(S)  
AC - RECONNECT, OPEN VALVE(S)
- ② BC - CUT & PLUG  
AC - RECONNECT
- ③ AC - PERMANENT CUT & PLUG

## AREA TO BE HIGHLINED IN PHASES

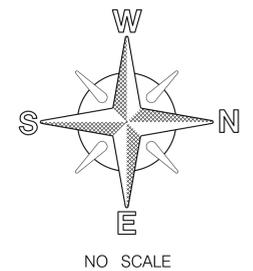
- PHASE 1
- PHASE 2
- PHASE 3
- PHASE 4
- PHASE 5
- PHASE 6
- PHASE 7



CONTRACTOR FURNISHED MATERIALS FOR CITY FORCES WORK								
SHT	16"X16" CROSS	16"X8" CROSS	16"X16" TEE	16"X12" TEE	16" BUTTERFLY VALVE	16" X 8" REDUCER	16" X 10" REDUCER	16" X 12" REDUCER
2	1				3	1	1	
3			1	1	2			
5				2	4	2		
7		1			2			
10								
TOTAL	1	1	1	3	11	3	1	1

NOTE: CITY FORCES SHALL ALSO FURNISH PIPE AS NEEDED TO COMPLETE WORK.

CITY FORCES FURNISHED MATERIAL				
SHT	8" X 6" REDUCER	8" VALVE	10" VALVE	12" VALVE
3				1
4			1	
7	2	2		
10				
TOTAL	2	2	1	1



C-13

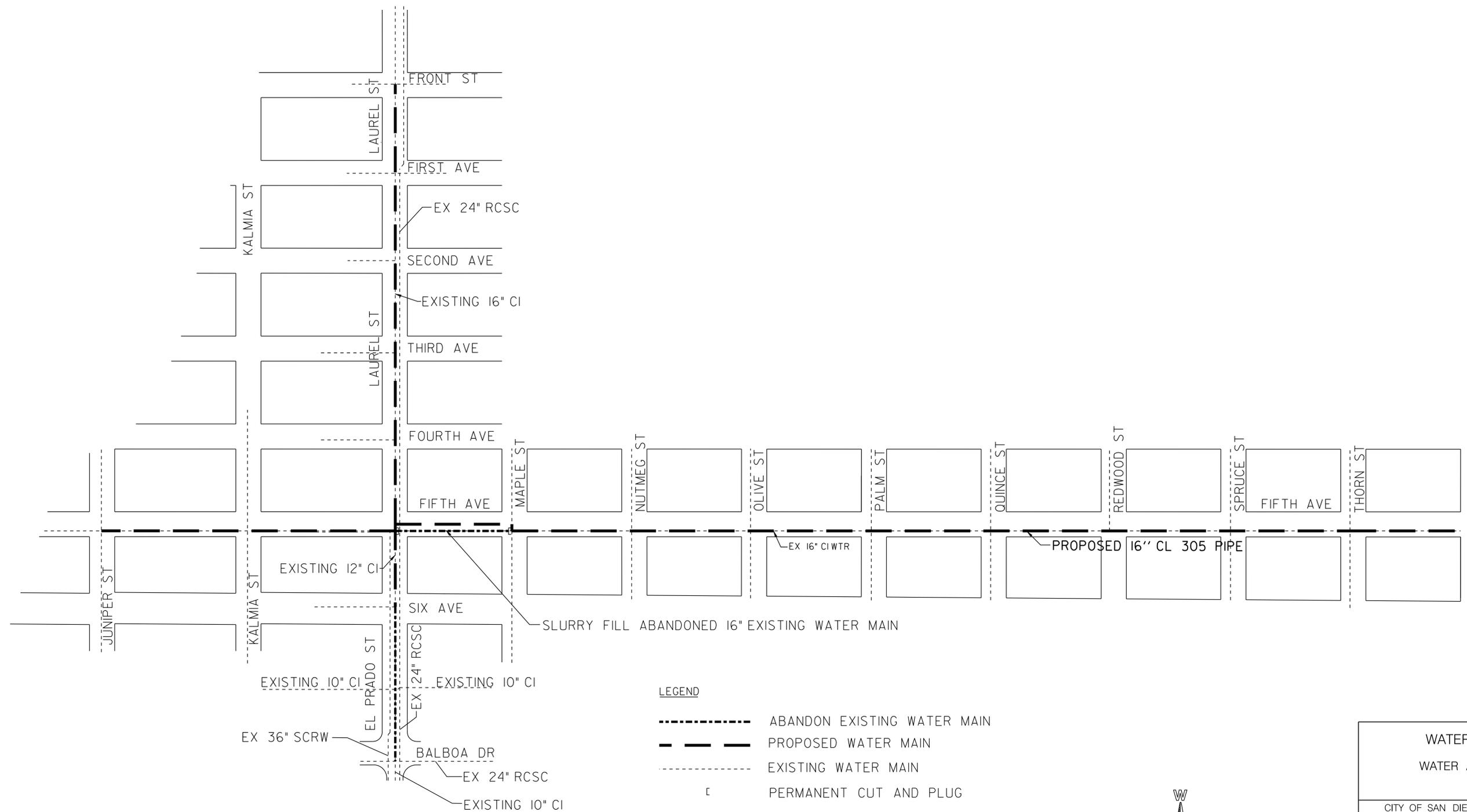
WATER GROUP JOB 945  
WORK BY CITY FORCES

CITY OF SAN DIEGO, CALIFORNIA PUBLIC WORKS DEPARTMENT SHEET 14 OF 16 SHEETS				WATER WBS B-11041
APPROVED: <i>[Signature]</i> DEPUTY DIRECTOR	DATE 3/18/2013	SUBMITTED BY: LUIS SCHAAR PROJECT MANAGER		
DESCRIPTION ORIGINAL	BY ED/MN	APPROVED	DATE	FILMED
CHECKED BY: MAHYAR NAVIZI PROJECT ENGINEER				SEE SHEETS CCS27 COORDINATE
CONTRACTOR _____				SEE SHEETS CCS83 COORDINATE
INSPECTOR _____		DATE STARTED _____		DATE COMPLETED _____
				36951-14-D



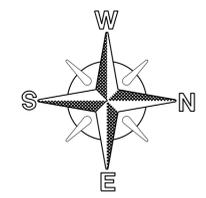
WORK BY CITY FORCES





- LEGEND**
- ABANDON EXISTING WATER MAIN
  - PROPOSED WATER MAIN
  - EXISTING WATER MAIN
  - PERMANENT CUT AND PLUG

WATER MAIN TO BE SLURRY FILLED = 16" CI 379 FEET



NO SCALE



C-15

WATER GROUP JOB 945 WATER ABANDONEMENT PLAN				
CITY OF SAN DIEGO, CALIFORNIA PUBLIC WORKS DEPARTMENT SHEET 16 OF 16 SHEETS			WATER WBS B-11041	
APPROVED: <i>[Signature]</i> FOR CITY ENGINEER	3/18/2013 DATE		SUBMITTED BY: LUIS SCHAAR PROJECT MANAGER	
DESCRIPTION ORIGINAL	BY ED/MN	APPROVED	DATE	FILMED
CHECKED BY: MAHYAR NAVIZI PROJECT ENGINEER			SEE SHEETS CCS27 COORDINATE	
CONTRACTOR _____			DATE STARTED _____	
INSPECTOR _____			DATE COMPLETED _____	
			36951-16-D	

**TRAFFIC CONTROL NOTES (STREETS WITH ADT OF 5,000 AND OVER) (SHEETS 2 TO 17)**

1. 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 OF SAN DIEGO STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, 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.
2. STANDARDS: THE TRAFFIC CONTROL PLAN SHALL CONFORM TO THE MOST RECENTLY ADOPTED EDITION OF EACH OF THE FOLLOWING MANUALS:
  - a. CITY OF SAN DIEGO STANDARD DRAWINGS, APPENDIX "A"
  - b. CALIFORNIA MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS; AND
  - c. STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION ("GREENBOOK"), INCLUDING REGIONAL AND CITY OF SAN DIEGO SUPPLEMENT AMENDMENTS.
3. NOTIFICATIONS: THE CONTRACTOR SHALL NOTIFY THE FOLLOWING AFFECTED AGENCIES A MINIMUM OF FIVE (5) WORKING DAYS PRIOR TO ANY 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
• SAN DIEGO TRANSIT	(BUS STOPS)	(619)696-7038
• MTD	(TAXI ZONES)	(818)235-2643
• UNDERGROUND SERVICE ALERT	(ANY EXCAVATION)	(800)422-4133

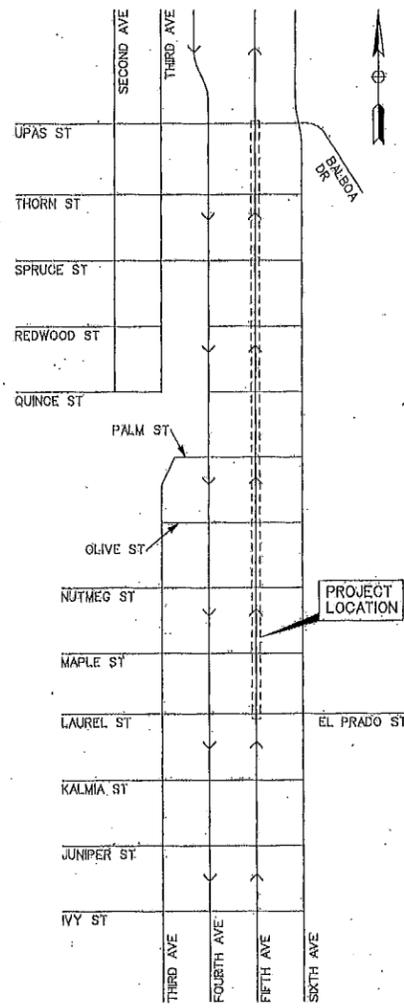
THE CONTRACTOR SHALL NOTIFY PROPERTY OWNERS AND TENANTS A MINIMUM OF FIVE (5) WORKING DAYS PRIOR TO CLOSURE OF DRIVEWAYS. THE CONTRACTOR SHALL POST SIGNS NOTIFYING THE PUBLIC A MINIMUM OF FIVE (5) WORKING DAYS PRIOR TO CLOSURE OF STREETS.
4. POSTING: NO PARKING SIGNS: THE CONTRACTOR SHALL POST "TOW-AWAY/NO PARKING SIGNS" TWENTY-FOUR (24) HOURS IN ADVANCE FOR TEMPORARY PARKING REMOVAL. SIGNS SHALL INDICATE SPECIFIC DAYS, DATES, AND TIMES OF RESTRICTIONS.
5. 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 DISLOOED. 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.
6. RESTORATION OF TRAFFIC CONTROL DEVICES: RESTORATION OF ROADWAY: 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.
7. CHANGES IN WORK: THE RESIDENT ENGINEER WILL OBSERVE THESE TRAFFIC CONTROL PLANS IN OPERATION AND RESERVES THE RIGHT TO MAKE CHANGES AS THE FIELD CONDITIONS WARRANT. SUCH CHANGES SHALL SUPERSEDE THESE PLANS.

**LEGEND (SHEETS 2 TO 17)**

ITEM	STANDARD DRAWING	SYMBOL
PROPOSED TEMPORARY ROADSIDE SIGN		TS
TYPE II BARRICADE WITH SIGN		TS-1
PORTABLE DELINEATOR		•
DIRECTION OF TRAVEL		→
FLASHING ARROW SIGN		⚡
WORK ZONE		⊠
TRAFFIC SIGNAL		TS

**IMPORTANT NOTICE**

Section 4216 of the Government Code requires a Dig Alert Identification Number be issued before a "Permit to Excavate" will be valid. For your Dig Alert ID Number Call Underground Service Alert. Toll Free 1-800-422-4133. Two working days before you dig.



**LOCATION MAP**  
NOT TO SCALE

**WORK TO BE DONE (SHEETS 2 TO 17)**

THE IMPROVEMENTS CONSIST OF THE FOLLOWING WORK TO BE DONE ACCORDING TO THESE PLANS AND THE SPECIFICATIONS AND STANDARD DRAWINGS OF THE CITY OF SAN DIEGO.

**STANDARD SPECIFICATIONS:**

DOCUMENT NO.	EDITION	DESCRIPTION
PITS070112-01	2012	STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION (THE "GREEN" BOOK)
PITS070112-02	2012	CITY OF SAN DIEGO STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION (THE "WHITE" BOOK)
PITS070112-04	2010	CALTRANS STANDARD SPECIFICATIONS
PITS070112-08	2012	CALIFORNIA MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (CA MUTCD)

**STANDARD DRAWINGS:**

DOCUMENT NO.	EDITION	DESCRIPTION
PITS070112-03	2012	CITY OF SAN DIEGO STANDARD DRAWINGS
PITS070112-05	2010	CALTRANS STANDARD PLANS

**CONSTRUCTION CHANGE TABLE**

CHANGE	DATE	SHEET NUMBERS REVISED OR ADDED THIS CHANGE

**DECLARATION OF RESPONSIBLE CHARGE**

I HEREBY DECLARE THAT I AM THE ENGINEER OF WORK FOR THIS PROJECT THAT I HAVE EXERCISED RESPONSIBLE CHARGE OVER THE DESIGN OF THE PROJECT AS DEFINED IN SECTION 6703 OF THE BUSINESS AND PROFESSIONS CODE, AND THAT THE DESIGN IS CONSISTENT WITH CURRENT STANDARDS.

I UNDERSTAND THAT THE CHECK OF PROJECT DRAWINGS AND SPECIFICATIONS BY THE CITY OF SAN DIEGO IS CONFINED TO A REVIEW ONLY AND DOES NOT RELIEVE ME, AS ENGINEER OF WORK, OF MY RESPONSIBILITIES FOR PROJECT DESIGN.

**ENGINEER OF WORK**

*John P. Keating* 2/5/13  
 JOHN P. KEATING R.O.E. 43586 DATE



**LINSCOTT LAW & GREENSPAN**  
 engineers

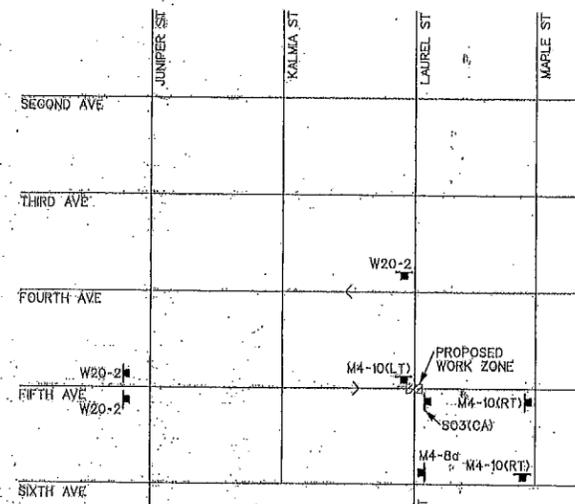
LINSCOTT, LAW & GREENSPAN, ENGINEERS  
 4542 Ruffner Street, Suite 100  
 San Diego, Ca 92111  
 (858)300-8800 (PH) (858)300-8810 (FX)

LL0 3-076360-51.1 TO1-NOTES-6390-51.DGN 2/6/13  
 Designed By JSM Drawn By DVS checked By JFK

**TRAFFIC CONTROL PLANS FOR THE CONSTRUCTION OF:**

**WATER GROUP JOB 945**

CITY OF SAN DIEGO, CALIFORNIA ENGINEERING AND CAPITAL PROJECTS DEPARTMENT		WATER	WB5	110241
SHEET 1 OF 17 SHEETS				
FOR CITY ENGINEER	DATE	LUS SCHWAB		
DESCRIPTION	BY	APPROVED	DATE	FILLED
ORIGINAL	LLG			
		SEE CML SHEETS		
		CDSB COORDINATE		
		SEE CML SHEETS		
		CDSB COORDINATE		
CONTRACTOR	DATE STARTED	36951-T01-D		
INSPECTOR	DATE COMPLETED			



**\*\*TRANSITION CALCULATION**

$$L = \frac{(W)(S)^2}{60} = \frac{(12)(25)^2}{60} = 125 \text{ FT.}$$

$$L/2 = 63 \text{ FT, USE 75 FT}$$

**\*TRANSITION CALCULATION**

$$L = \frac{(W)(S)^2}{60} = \frac{(12)(30)^2}{60} = 180 \text{ FT}$$

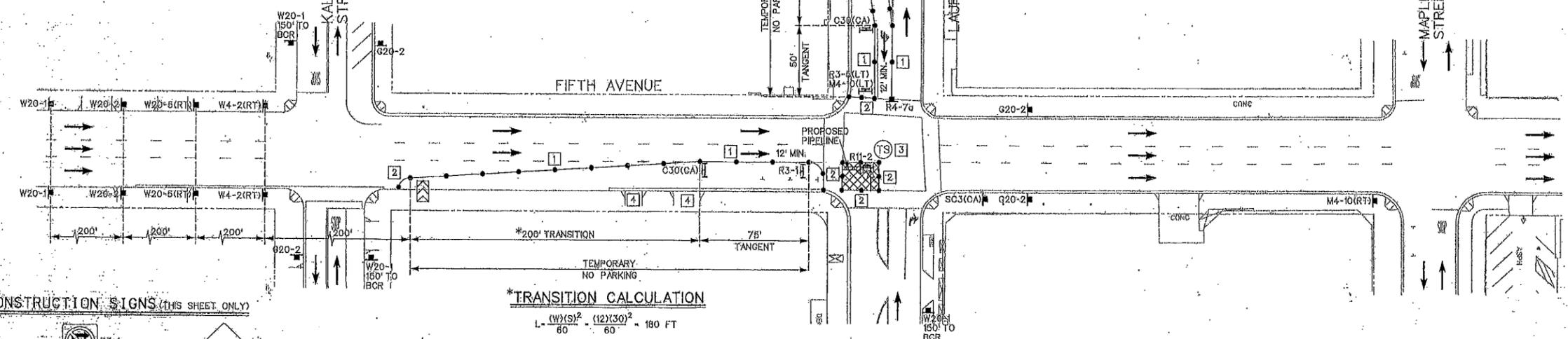
USE 200 FT

**NOTES THIS SHEET**

- 1 DELINEATORS SHALL BE PLACED AT 25' INTERVALS.
- 2 DELINEATORS SHALL BE PLACED AT 10' INTERVALS.
- 3 SEE DETOUR PLAN THIS SHEET.
- 4 CONTRACTOR SHALL MAINTAIN ACCESS TO DRIVEWAY DURING THIS STAGE OF CONSTRUCTION.

**PIPELINE CONSTRUCTION**  
 WORK HOURS 8:00 AM TO 3:00 PM

**TRAFFIC SIGNAL NOTE:** CONTRACTOR SHALL COORDINATE WITH TRAFFIC CONTROL AND SIGNAL SECTION (858)495-4741 A MINIMUM OF 5 (FIVE) WORKING DAYS PRIOR TO WORK AFFECTING A TRAFFIC SIGNAL.  
 TRAFFIC SIGNAL TO REMAIN OPERATIONAL.



**TEMPORARY CONSTRUCTION SIGNS (THIS SHEET ONLY)**

C12(CA)	R3-1	W20-1
C30(CA)	R4-7a	W20-2
G20-2	R11-2	W20-3
M4-8a	SC3(CA)	W20-5(RT)
M4-10(LT)	W4-2(RT)	
M4-10(RT)		

**TRAFFIC CONTROL DESIGN SPEED**  
 LAUREL STREET - 25 MPH  
 FIFTH AVENUE - 30 MPH

**DECLARATION OF RESPONSIBLE CHARGE**

I HEREBY DECLARE THAT I AM THE ENGINEER OF WORK FOR THIS PROJECT THAT I HAVE EXERCISED RESPONSIBLE CHARGE OVER THE DESIGN OF THE PROJECT AS DEFINED IN SECTION 8703 OF THE BUSINESS AND PROFESSIONS CODE, AND THAT THE DESIGN IS CONSISTENT WITH CURRENT STANDARDS.

I UNDERSTAND THAT THE CHECK OF PROJECT DRAWINGS AND SPECIFICATIONS BY THE CITY OF SAN DIEGO IS CONFINED TO A REVIEW ONLY AND DOES NOT RELIEVE ME, AS ENGINEER OF WORK, OF MY RESPONSIBILITIES FOR PROJECT DESIGN.

**ENGINEER OF WORK:**

*John P. Kravitz*  
 JOHN P. KRAVITZ R.C.E. 43595 DATE 2/5/13



**LINSCOTT LAW & GREENSPAN, ENGINEERS**  
 4542 Ruffner Street, Suite 100  
 San Diego, Ca 92111  
 (858)300-8800 (PH) (858)300-8810 (FX)

LLC 3-076350-51.1	TC2-6360-515101.DGN	2/5/13
Designed By JSM	Drawn By DVS	Checked By JPK

**NOTE**

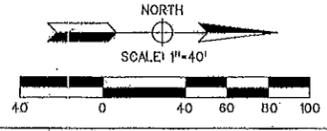
FOR TRAFFIC CONTROL GENERAL NOTES AND LEGEND SEE SHEET 1.

T-2

TRAFFIC CONTROL PLANS FOR:

**WATER GROUP JOB 945**  
**FIFTH AVENUE**  
 (STAGE 1)

CITY OF SAN DIEGO, CALIFORNIA ENGINEERING AND CAPITAL PROJECTS DEPARTMENT SHEET 2 OF 17 SHEETS		WATER WBS 8-1061
FOR CITY ENGINEER	DATE	APPROVED BY
<i>Amel Khorram</i>	02/18/2013	<i>John Schaal</i> ASSOCIATE ENGINEER
DESCRIPTION	BY	APPROVED
ORIGINAL	LLG	
DRAWN BY		DATE
DVS		2/5/13
CHECKED BY		DATE
JPK		2/5/13
CONTRACTOR	DATE STARTED	DATE COMPLETED
		36951-102-D



PIPELINE CONSTRUCTION  
 WORK HOURS 9:00 PM TO 5:00 AM  
 \*\*\*\*\*NIGHT WORK\*\*\*\*\*

5. TRAFFIC SIGNAL NOTE: CONTRACTOR SHALL COORDINATE WITH TRAFFIC CONTROL AND SIGNAL SECTION (858)498-4711 A MINIMUM OF 5 (FIVE) WORKING DAYS PRIOR TO WORK AFFECTING A TRAFFIC SIGNAL.  
 TRAFFIC SIGNAL TO BE SET TO RED FLASH AT FIFTH AVE/LAUREL ST INTERSECTION  
 TRAFFIC SIGNAL TO REMAIN OPERATIONAL AT FOURTH AVE/LAUREL ST INTERSECTION  
 TRAFFIC SIGNAL TO REMAIN OPERATIONAL AT SIXTH AVE/EL PRADO ST INTERSECTION

NOTES THIS SHEET  
 1. DELINEATORS SHALL BE PLACED AT 25' INTERVALS.  
 2. DELINEATORS SHALL BE PLACED AT 10' INTERVALS.  
 3. SEE DETOUR PLAN THIS SHEET.  
 4. CONTRACTOR SHALL MAINTAIN ACCESS TO DRIVEWAY DURING THIS STAGE OF CONSTRUCTION.

\*TRANSITION CALCULATION

$$L = \frac{(W)(S)^2}{60} = \frac{(12)(30)^2}{60} = 180 \text{ FT}$$

USE 200 FT

\*\*TRANSITION CALCULATION

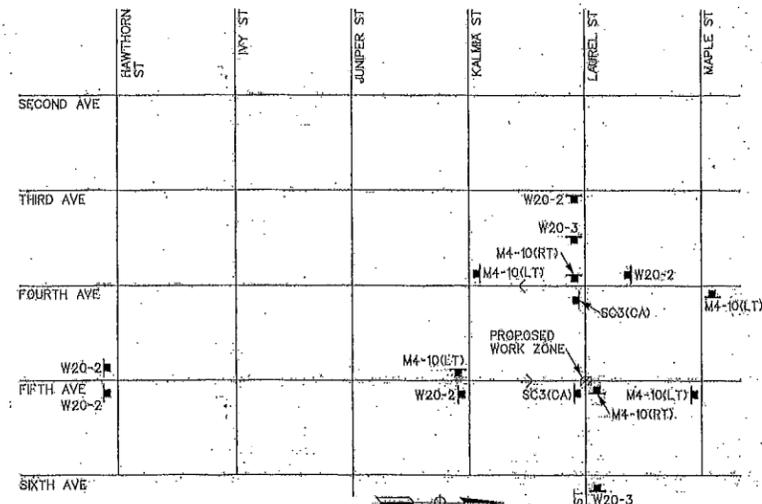
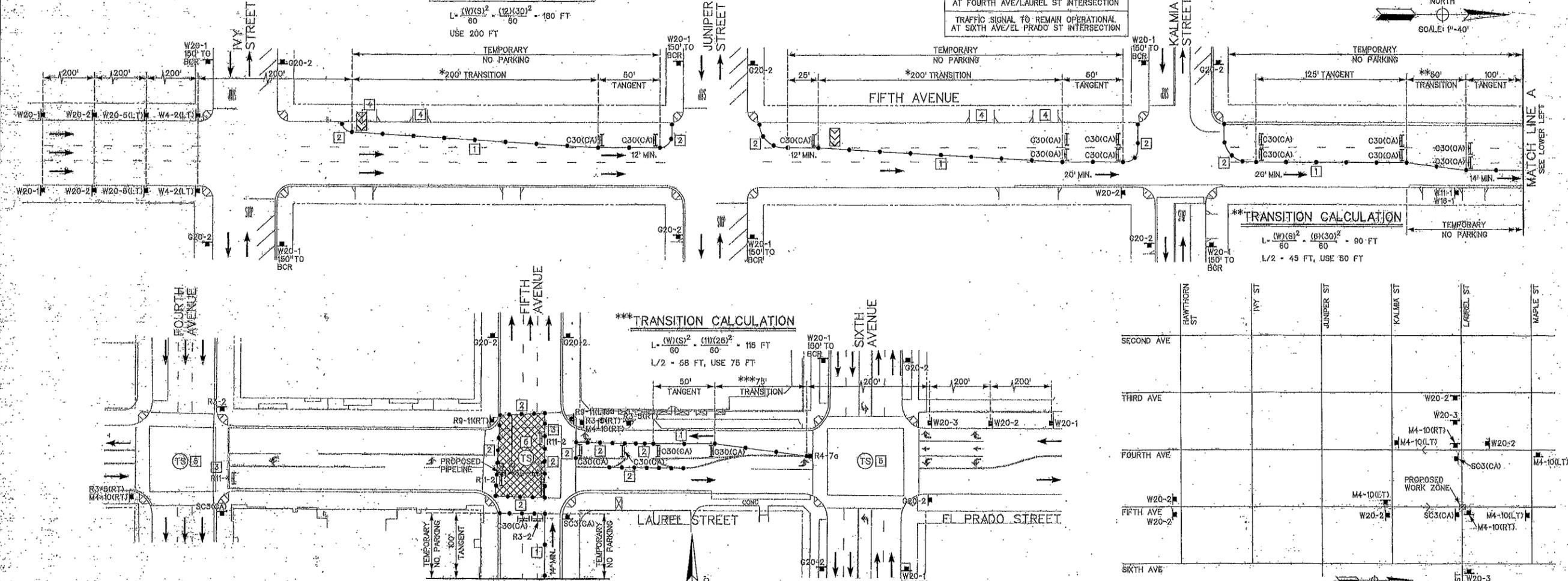
$$L = \frac{(W)(S)^2}{60} = \frac{(8)(30)^2}{60} = 90 \text{ FT}$$

L/2 = 45 FT, USE 50 FT

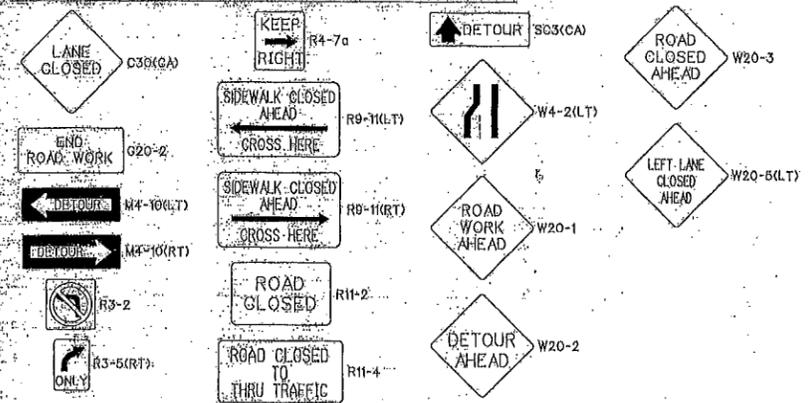
\*\*\*TRANSITION CALCULATION

$$L = \frac{(W)(S)^2}{60} = \frac{(11)(25)^2}{60} = 116 \text{ FT}$$

L/2 = 58 FT, USE 75 FT



TEMPORARY CONSTRUCTION SIGNS (THIS SHEET ONLY)



TRAFFIC CONTROL DESIGN SPEED  
 LAUREL STREET - 25 MPH  
 FIFTH AVENUE - 30 MPH

DECLARATION OF RESPONSIBLE CHARGE

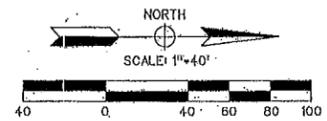
I HEREBY DECLARE THAT I AM THE ENGINEER OF WORK FOR THIS PROJECT, THAT I HAVE EXERCISED RESPONSIBLE CHARGE OVER THE DESIGN OF THE PROJECT AS DEFINED IN SECTION 6703 OF THE BUSINESS AND PROFESSIONS CODE, AND THAT THE DESIGN IS CONSISTENT WITH CURRENT STANDARDS.  
 I UNDERSTAND THAT THE CHECK OF PROJECT DRAWINGS AND SPECIFICATIONS BY THE CITY OF SAN DIEGO IS CONFINED TO A REVIEW ONLY AND DOES NOT RELIEVE ME, AS ENGINEER OF WORK, OF MY RESPONSIBILITIES FOR PROJECT DESIGN.

ENGINEER OF WORK

JOHN P. KEATING R.C.E. 43595 DATE 2/5/13



LINSCOTT, LAW & GREENSPAN, ENGINEERS  
 4542 Ruffner Street, Suite 100  
 San Diego, Ca. 92111  
 (858)306-8800 (PH) (858)300-8810 (FX)



NOTE

FOR TRAFFIC CONTROL GENERAL NOTES AND LEGEND SEE SHEET 1. T-3

TRAFFIC CONTROL PLANS FOR:

WATER GROUP JOB #945  
 FIFTH AVENUE  
 (STAGE 2)

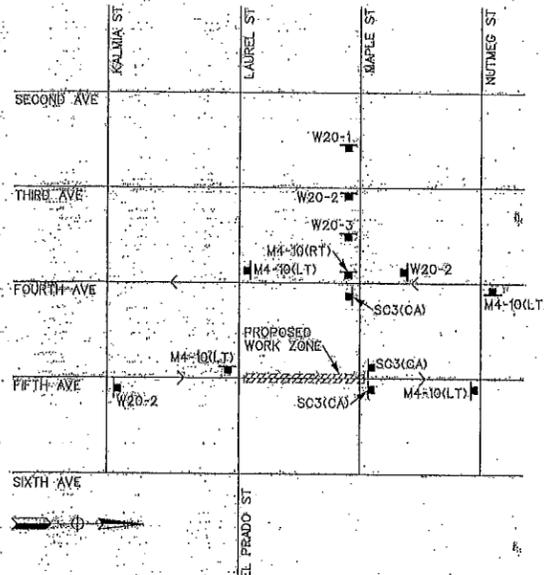
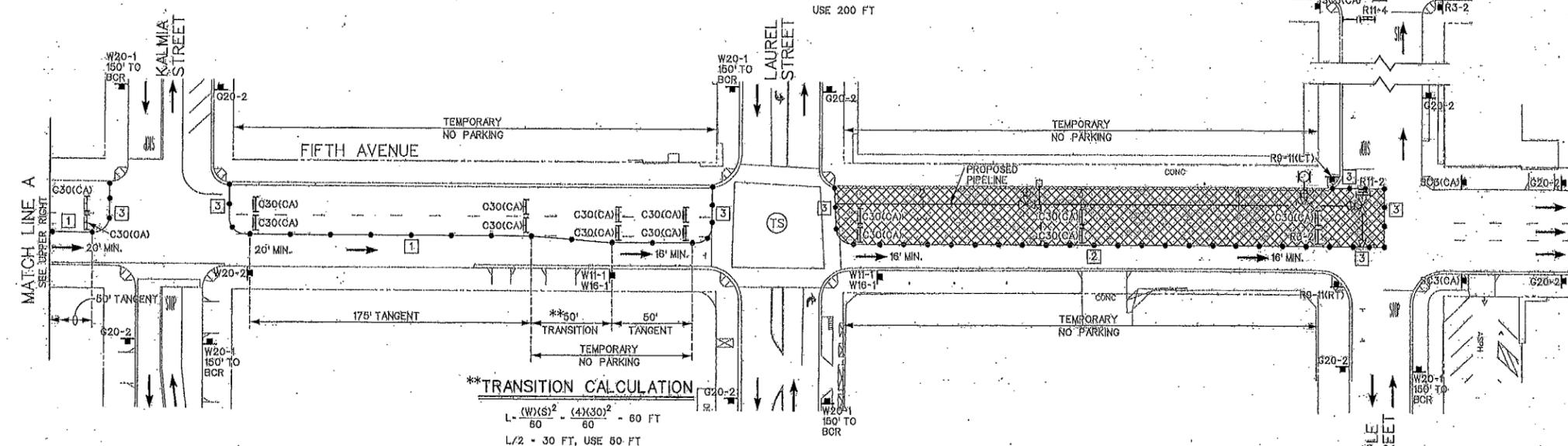
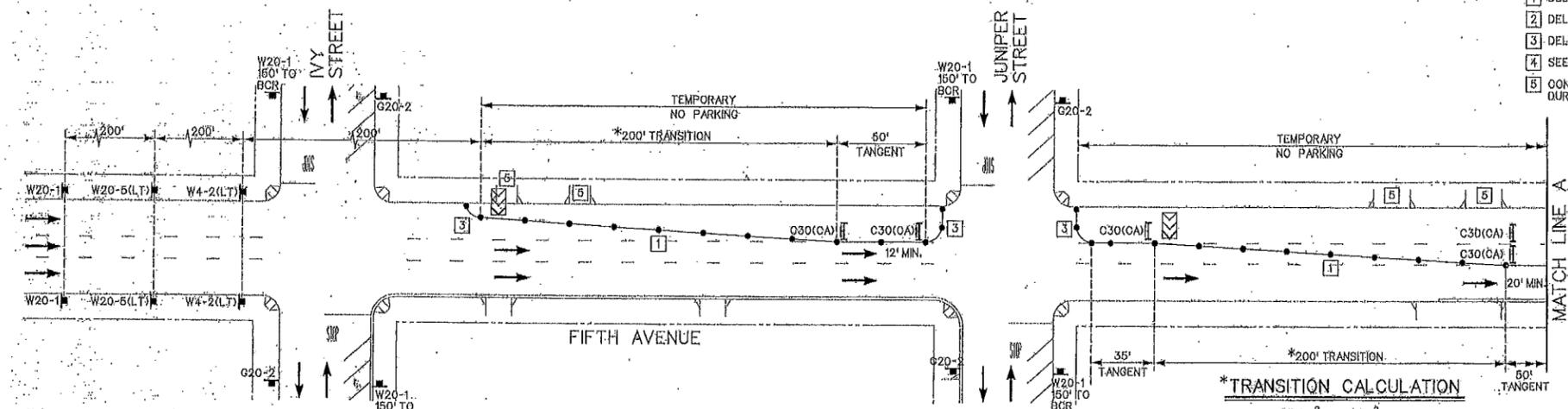
CITY OF SAN DIEGO, CALIFORNIA ENGINEERING AND CAPITAL PROJECTS DEPARTMENT SHEET 3 OF 17 SHEETS		WATER WBS # 031041
DESIGNED BY John P. Keating	DATE 03/18/2013	APPROVED BY Luis Schwab
BY ORIGINAL	DATE	FILED
SEE CML SHEETS C087 THROUGH C092		SEE CML SHEETS C093 THROUGH C098
CONTRACTOR	DATE STARTED	36951-T03-D
INSPECTOR	DATE COMPLETED	

**NOTES THIS SHEET**

- 1 DELINEATORS SHALL BE PLACED AT 25' INTERVALS.
- 2 DELINEATORS SHALL BE PLACED AT 15' INTERVALS.
- 3 DELINEATORS SHALL BE PLACED AT 10' INTERVALS.
- 4 SEE DETOUR PLAN THIS SHEET.
- 5 CONTRACTOR SHALL MAINTAIN ACCESS TO DRIVEWAY DURING THIS STAGE OF CONSTRUCTION.

**PIPELINE CONSTRUCTION**  
 WORK HOURS 8:00 AM TO 3:00 PM

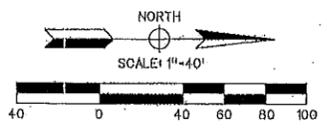
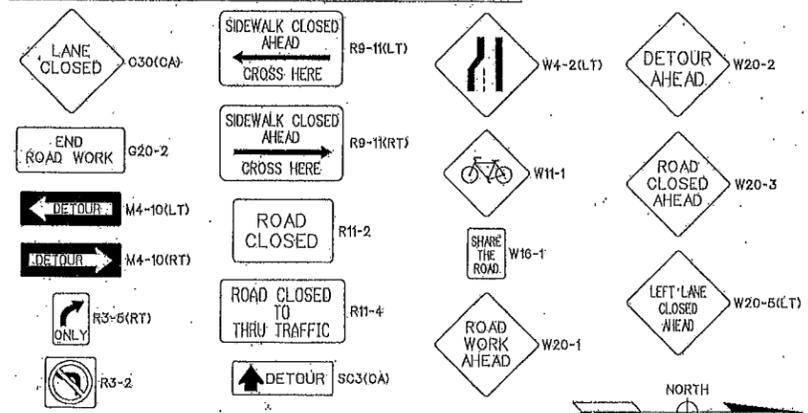
TRAFFIC SIGNAL NOTE: CONTRACTOR SHALL COORDINATE WITH TRAFFIC CONTROL AND SIGNAL SECTION (868)95-4741 A MINIMUM OF 5 (FIVE) WORKING DAYS PRIOR TO WORK AFFECTING A TRAFFIC SIGNAL.  
 TRAFFIC SIGNAL TO REMAIN OPERATIONAL



**DETOUR PLAN**  
 NOT TO SCALE

TRAFFIC CONTROL DESIGN SPEED  
 FIFTH AVENUE - 30 MPH

**TEMPORARY CONSTRUCTION SIGNS (THIS SHEET ONLY)**



**DECLARATION OF RESPONSIBLE CHARGE**

I HEREBY DECLARE THAT I AM THE ENGINEER OF WORK FOR THIS PROJECT, THAT I HAVE EXERCISED RESPONSIBLE CHARGE OVER THE DESIGN OF THE PROJECT AS DEFINED IN SECTION 8703 OF THE BUSINESS AND PROFESSIONS CODE, AND THAT THE DESIGN IS CONSISTENT WITH CURRENT STANDARDS. I UNDERSTAND THAT THE CHECK OF PROJECT DRAWINGS AND SPECIFICATIONS BY THE CITY OF SAN DIEGO IS CONFINED TO A REVIEW ONLY AND DOES NOT RELIEVE ME, AS ENGINEER OF WORK, OF MY RESPONSIBILITIES FOR PROJECT DESIGN.

**ENGINEER OF WORK**

JOHN P. KEATING, R.C.E. 43595, DATE 2/5/13



**LINSCOTT LAW & GREENSPAN, ENGINEERS**  
 4542 Ruffner Street, Suite 100  
 San Diego, Ca 92111  
 (858)300-8800 (PH) (858)300-8810 (FX)

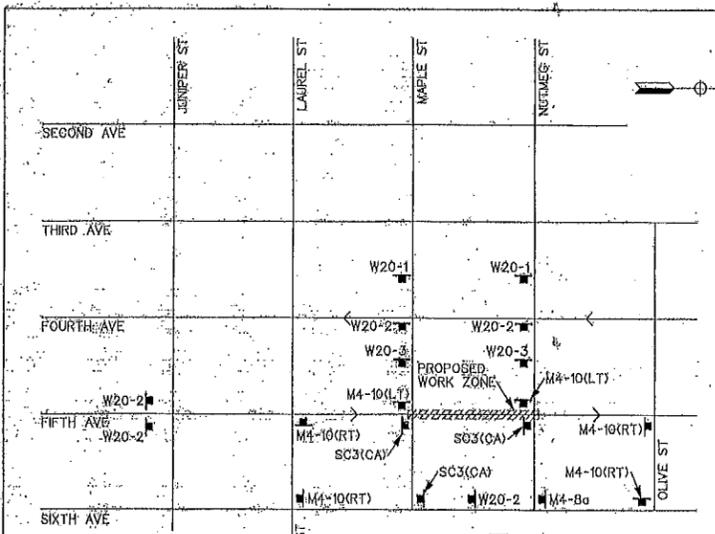
**NOTE**

FOR TRAFFIC CONTROL GENERAL NOTES AND LEGEND SEE SHEET T-4

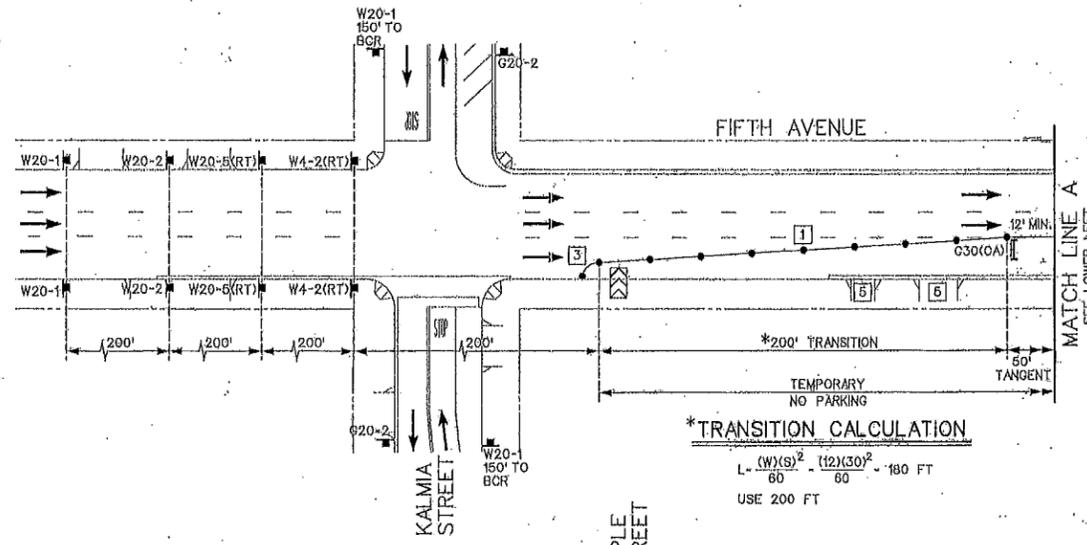
TRAFFIC CONTROL PLANS FOR:

**WATER GROUP JOB 945  
 FIFTH AVENUE  
 (STAGE 3)**

CITY OF SAN DIEGO, CALIFORNIA ENGINEERING AND CAPITAL PROJECTS DEPARTMENT SHEET 4 OF 17 SHEETS		WATER WBS: B-1041
FOR CITY ENGINEER	DATE	APPROVED BY
DESCRIPTION	BY	APPROVED DATE
ORIGINAL	LLG	
CONTRACTOR		DATE STARTED
DATE COMPLETED		



**DETOUR PLAN**  
NOT TO SCALE



**\*TRANSITION CALCULATION**  

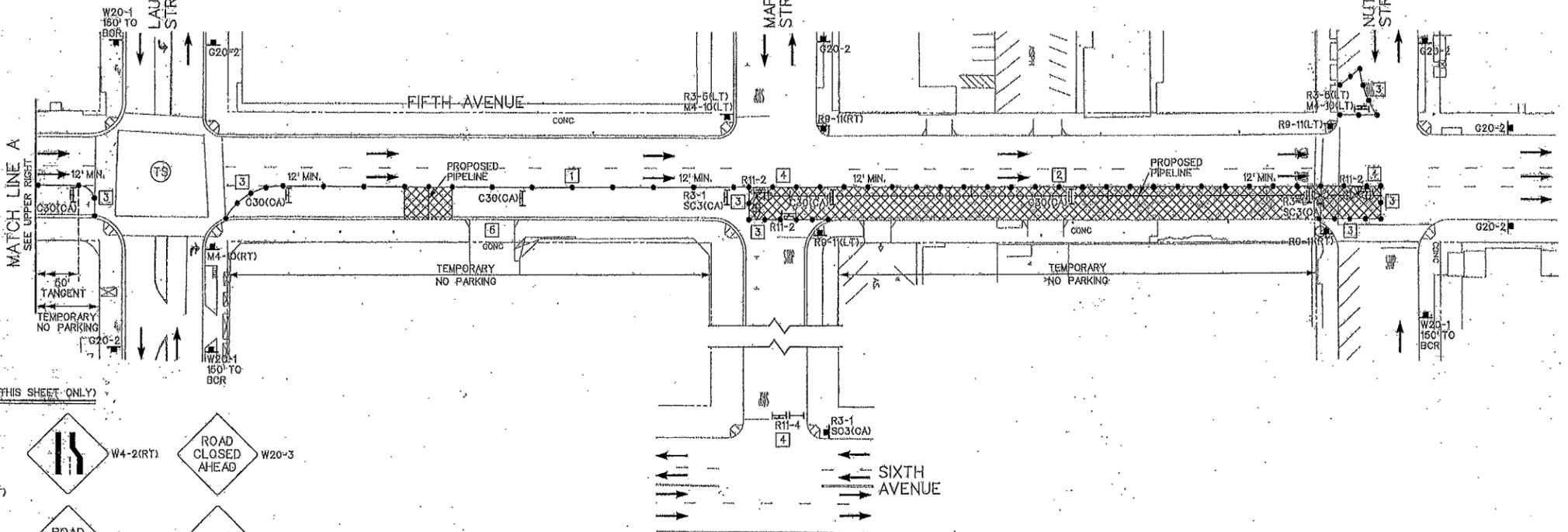
$$L = \frac{W(S)^2}{60} = \frac{(12)(30)^2}{60} = 180 \text{ FT}$$
 USE 200 FT

**NOTES THIS SHEET**

- 1 DELINEATORS SHALL BE PLACED AT 25' INTERVALS.
- 2 DELINEATORS SHALL BE PLACED AT 15' INTERVALS.
- 3 DELINEATORS SHALL BE PLACED AT 10' INTERVALS.
- 4 SEE DETOUR PLAN THIS SHEET.
- 5 CONTRACTOR SHALL MAINTAIN ACCESS TO DRIVEWAY DURING THIS STAGE OF CONSTRUCTION.

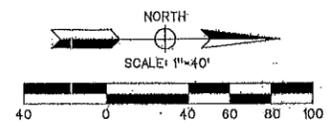
**PIPELINE CONSTRUCTION**  
 WORK HOURS: 8:00 AM TO 3:00 PM

TRAFFIC SIGNAL NOTE: CONTRACTOR SHALL COORDINATE WITH TRAFFIC CONTROL AND SIGNAL SECTION (858)496-4741 A MINIMUM OF 5 (FIVE) WORKING DAYS PRIOR TO WORK AFFECTING A TRAFFIC SIGNAL.  
 TRAFFIC SIGNAL TO REMAIN OPERATIONAL.



**TEMPORARY CONSTRUCTION SIGNS (THIS SHEET ONLY)**


**TRAFFIC CONTROL DESIGN SPEED**  
 FIFTH AVENUE = 30 MPH



**DECLARATION OF RESPONSIBLE CHARGE**

I HEREBY DECLARE THAT I AM THE ENGINEER OF WORK FOR THIS PROJECT, THAT I HAVE EXERCISED RESPONSIBLE CHARGE OVER THE DESIGN OF THE PROJECT AS DEFINED IN SECTION 0703 OF THE BUSINESS AND PROFESSIONS CODE, AND THAT THE DESIGN IS CONSISTENT WITH CURRENT STANDARDS.  
 I UNDERSTAND THAT THE CHECK OF PROJECT DRAWINGS AND SPECIFICATIONS BY THE CITY OF SAN DIEGO IS CONFINED TO A REVIEW ONLY AND DOES NOT RELIEVE ME, AS ENGINEER OF WORK, OF MY RESPONSIBILITIES FOR PROJECT DESIGN.

**ENGINEER OF WORK**

*John P. Keating*  
 JOHN P. KEATING R.C.E. 43595 DATE 2/5/13



**LINSCOTT, LAW & GREENSPAN, ENGINEERS**  
 4542 Ruffner Street, Suite 100  
 San Diego, Ca 92111  
 (858)300-8800 (PH) (858)300-8810 (FX)

LLS 3-076360-01.1	TCS-6350-01ST04.DGN	2/5/13
Designed By: JSM	Drawn By: DVS	Checked By: JPK

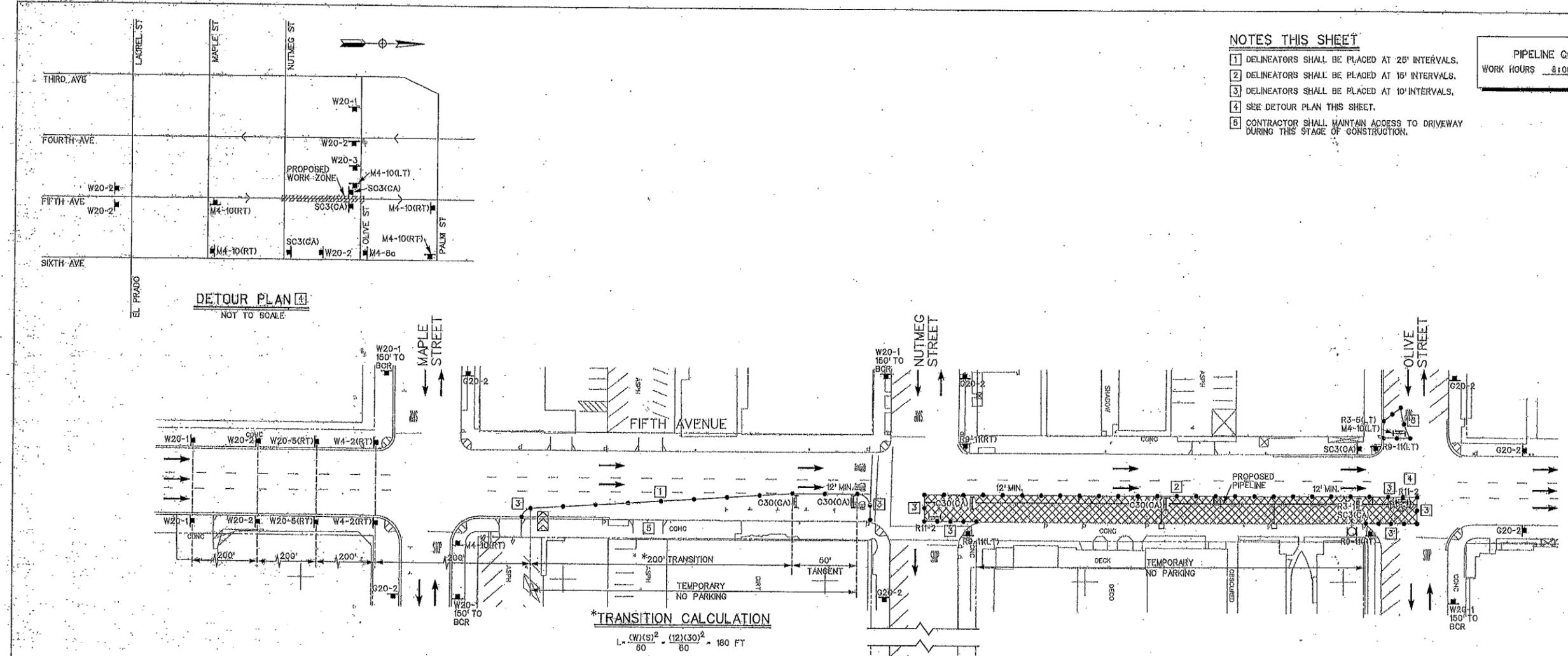
**NOTE**

FOR TRAFFIC CONTROL GENERAL NOTES AND LEGEND SEE SHEET 1.

TRAFFIC CONTROL PLANS FOR:

**WATER GROUP JOB 945**  
**FIFTH AVENUE**  
 (STAGE 4)

CITY OF SAN DIEGO, CALIFORNIA		WATER	D-1041
ENGINEERING AND CAPITAL PROJECTS DEPARTMENT			
SHEET 5 OF 17 SHEETS			
FOR CITY ENGINEER	DATE	APPROVED BY	DATE
<i>Amir H. Hammad</i>	02/18/2013	<i>Lisa Brown</i>	
DESCRIPTION	BY	APPROVED	DATE
ORIGINAL	LLG		
CONTRACTOR	DATE STARTED	DATE COMPLETED	
			36951-T05-D



- NOTES THIS SHEET**
- 1 DELINEATORS SHALL BE PLACED AT 25' INTERVALS.
  - 2 DELINEATORS SHALL BE PLACED AT 15' INTERVALS.
  - 3 DELINEATORS SHALL BE PLACED AT 10' INTERVALS.
  - 4 SEE DETOUR PLAN THIS SHEET.
  - 5 CONTRACTOR SHALL MAINTAIN ACCESS TO DRIVEWAY DURING THIS STAGE OF CONSTRUCTION.

**PIPELINE CONSTRUCTION**  
 WORK HOURS 8:00 AM TO 3:00 PM

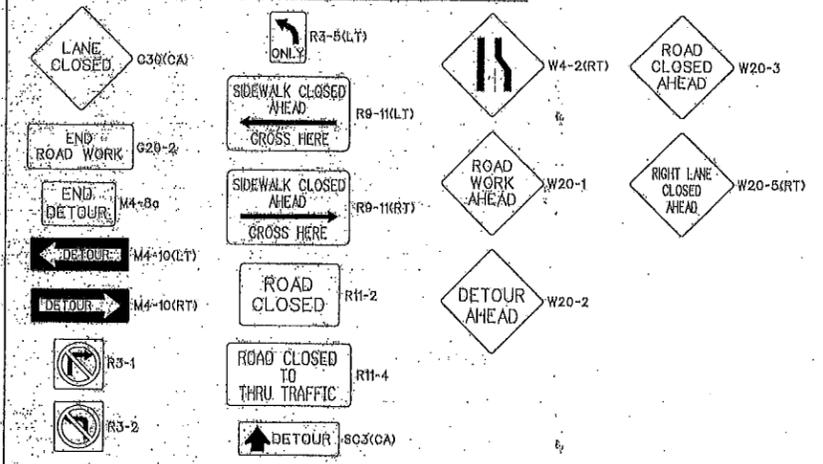
**DETOUR PLAN**  
 NOT TO SCALE

**\*TRANSITION CALCULATION**

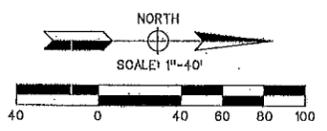
$$L = \frac{W(S)^2}{60} = \frac{12(30)^2}{60} = 180 \text{ FT}$$

USE 200 FT

**TEMPORARY CONSTRUCTION SIGNS (THIS SHEET ONLY)**



**TRAFFIC CONTROL DESIGN SPEED**  
 FIFTH AVENUE = 30 MPH



**DECLARATION OF RESPONSIBLE CHARGE**

I HEREBY DECLARE THAT I AM THE ENGINEER OF WORK FOR THIS PROJECT, THAT I HAVE EXERCISED RESPONSIBLE CHARGE OVER THE DESIGN OF THE PROJECT AS DEFINED IN SECTION 0703 OF THE BUSINESS AND PROFESSIONS CODE, AND THAT THE DESIGN IS CONSISTENT WITH CURRENT STANDARDS.

I UNDERSTAND THAT THE CHECK OF PROJECT DRAWINGS AND SPECIFICATIONS BY THE CITY OF SAN DIEGO IS CONFINED TO A REVIEW ONLY AND DOES NOT RELIEVE ME, AS ENGINEER OF WORK, OF MY RESPONSIBILITIES FOR PROJECT DESIGN.

**ENGINEER OF WORK**

JOHN P. KEATING R.C.E. 43596 DATE 2/5/13



**LINSCOTT LAW & GREENSPAN ENGINEERS**  
 4542 Ruffner Street, Suite 100  
 San Diego, Ca 92111  
 (858) 300-8800 (PH) (858) 300-8810 (FX)

LL0 3-076350-61.1 106-6760-5)ST05.DGN 2/5/13  
 Designed By: JSM Drawn By: DVS Checked By: JFK

**NOTE**

FOR TRAFFIC CONTROL GENERAL NOTES AND LEGEND SEE SHEET 1.

TRAFFIC CONTROL PLANS FOR

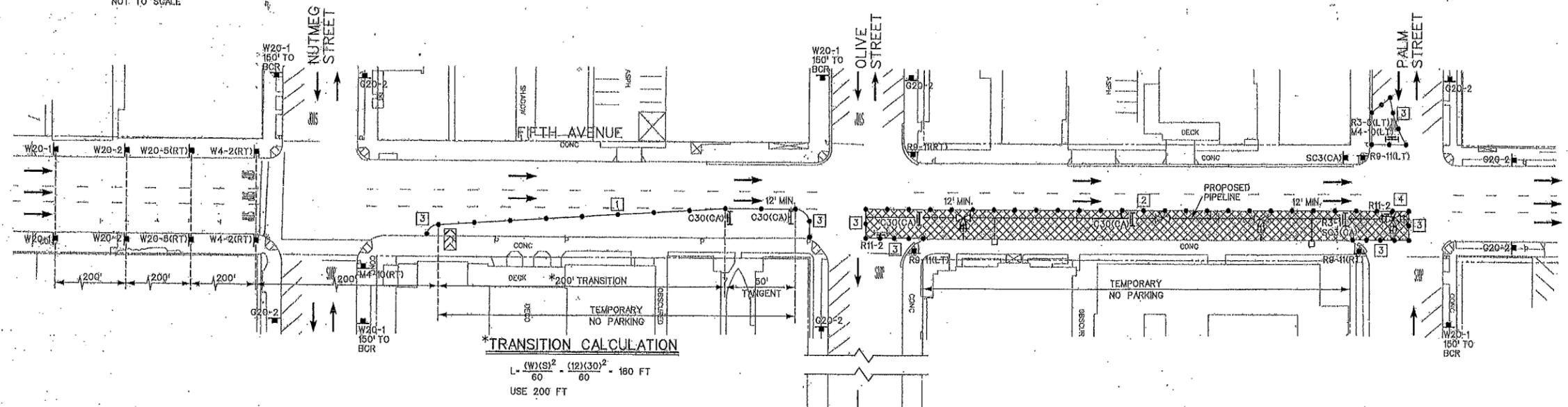
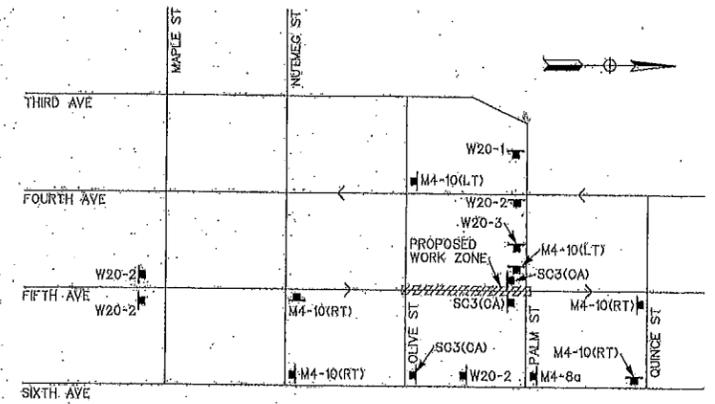
**WATER GROUP JOB 945**  
**FIFTH AVENUE**  
 (STAGE 5)

CITY OF SAN DIEGO, CALIFORNIA ENGINEERING AND CAPITAL PROJECTS DEPARTMENT SHEET 8 OF 17 SHEETS	WATER JOB NO. 945
APPROVED BY: <i>Amir Alwan</i> 03/19/2013	APPROVED BY: LUIS SCHWARZ
FOR CITY ENGINEER	ASSOCIATE ENGINEER
DESCRIPTION: ORIGINAL	BY: LLG
APPROVED: [ ]	DATE: [ ]
FILED: [ ]	DATE: [ ]
SEE GEN. SHEETS	SEE CIVIL SHEETS
SEE C&S COORDINATE	SEE C&S COORDINATE
CONTRACTOR: [ ]	DATE STARTED: [ ]
INSPECTOR: [ ]	DATE COMPLETED: [ ]

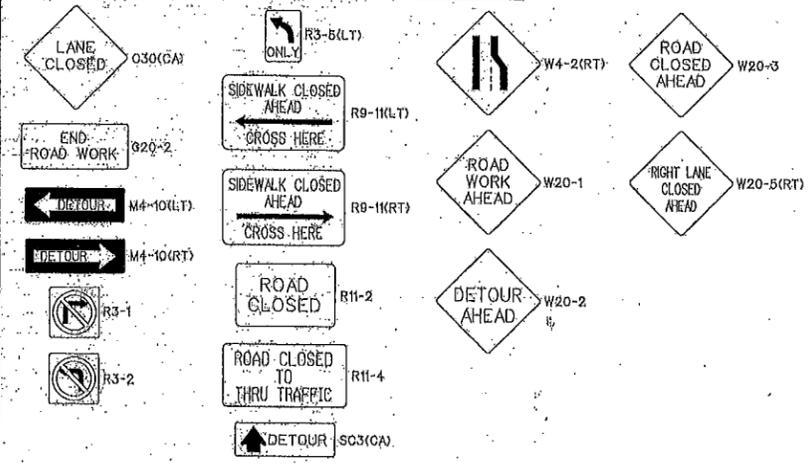
36951-T06-D

PIPELINE CONSTRUCTION  
 WORK HOURS 8:00 AM TO 3:00 PM

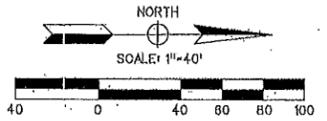
- NOTES THIS SHEET**
- 1 DELINEATORS SHALL BE PLACED AT 25' INTERVALS.
  - 2 DELINEATORS SHALL BE PLACED AT 15' INTERVALS.
  - 3 DELINEATORS SHALL BE PLACED AT 10' INTERVALS.
  - 4 SEE DETOUR PLAN THIS SHEET.



**TEMPORARY CONSTRUCTION SIGNS (THIS SHEET ONLY)**



**TRAFFIC CONTROL DESIGN SPEED**  
 FIFTH AVENUE - 30 MPH



**DECLARATION OF RESPONSIBLE CHARGE**

I HEREBY DECLARE THAT I AM THE ENGINEER OF WORK FOR THIS PROJECT, THAT I HAVE EXERCISED RESPONSIBLE CHARGE OVER THE DESIGN OF THE PROJECT AS DEFINED IN SECTION 6703 OF THE BUSINESS AND PROFESSIONS CODE, AND THAT THE DESIGN IS CONSISTENT WITH CURRENT STANDARDS.

I UNDERSTAND THAT THE CHECK OF PROJECT DRAWINGS AND SPECIFICATIONS BY THE CITY OF SAN DIEGO IS CONFINED TO A REVIEW ONLY AND DOES NOT RELIEVE ME, AS ENGINEER OF WORK, OF MY RESPONSIBILITIES FOR PROJECT DESIGN.

**ENGINEER OF WORK**

*John F. Keating*  
 JOHN F. KEATING R.O.E. 43595 DATE 2/5/13



**LINSCOTT LAW & GREENSPAN, ENGINEERS**  
 4542 Ruffner Street, Suite 100  
 San Diego, Ca 92111  
 (858)300-8800 (PH) (858)300-8810 (FX)

LLD 3-076350-51.1 T07-5350-515T06.DWG 2/5/13  
 Designed By: JSM Drawn By: DVS Checked By: JPK

**NOTE**

FOR TRAFFIC CONTROL GENERAL NOTES AND LEGEND SEE SHEET 1.

T-7

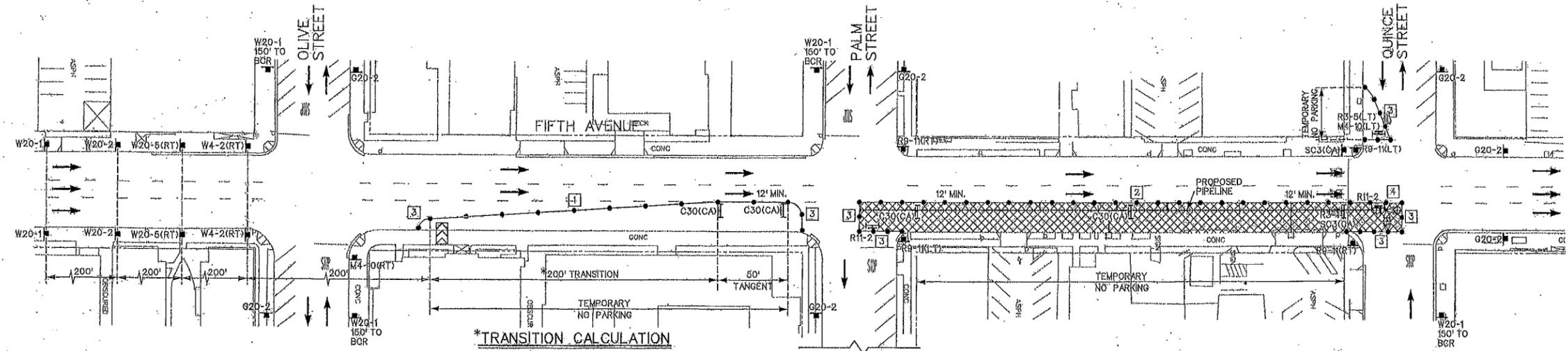
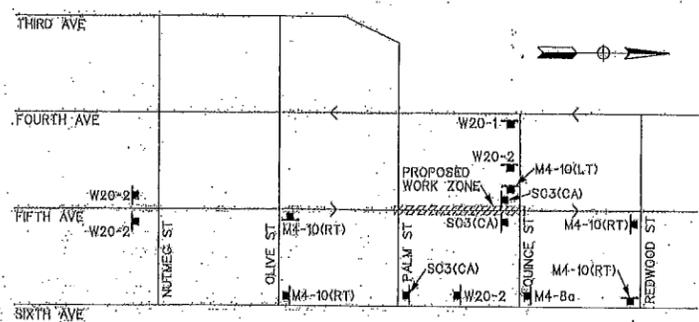
TRAFFIC CONTROL PLANS FOR:

**WATER GROUP JOB 945**  
**FIFTH AVENUE**  
 (STAGE 6)

CITY OF SAN DIEGO, CALIFORNIA ENGINEERING AND CAPITAL PROJECTS DEPARTMENT SHEET 7 OF 17 SHEETS		WATER 6-10041
FOR CITY ENGINEER	DATE 03/18/2017	APPROVED BY LUIS SCHWAB ASSOCIATE ENGINEER
DESIGNER	BY LLG	PROJECT ENGINEER
ORIGINAL		SEE CML SHEETS COORDINATOR
		SEE CML SHEETS COORDINATOR
CONTRACTOR	DATE STARTED	36951-T07-D
INSPECTOR	DATE COMPLETED	

PIPELINE CONSTRUCTION  
WORK HOURS 8:00 AM TO 3:00 PM

- NOTES THIS SHEET**
- 1 DELINEATORS SHALL BE PLACED AT 25' INTERVALS.
  - 2 DELINEATORS SHALL BE PLACED AT 15' INTERVALS.
  - 3 DELINEATORS SHALL BE PLACED AT 10' INTERVALS.
  - 4 SEE DETOUR PLAN THIS SHEET.

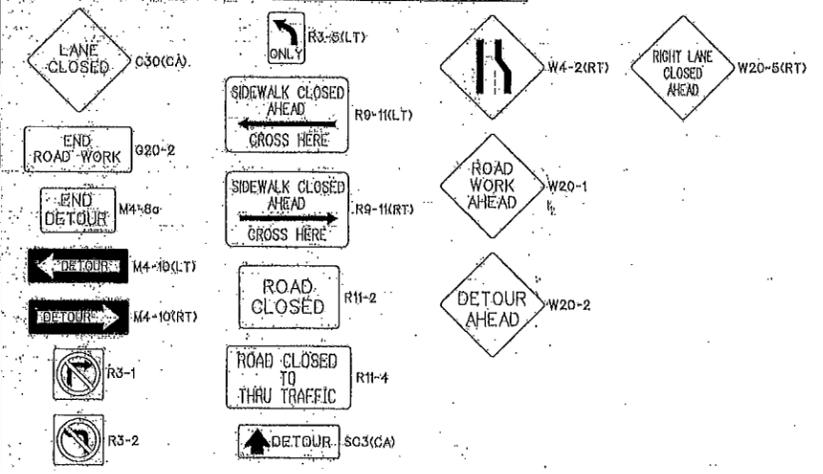


**\*TRANSITION CALCULATION**

$$L = \frac{(W)(S)^2}{80} = \frac{(12)(30)^2}{80} = 180 \text{ FT}$$

USE 200 FT

**TEMPORARY CONSTRUCTION SIGNS (THIS SHEET ONLY)**



**TRAFFIC CONTROL DESIGN SPEED**  
FIFTH AVENUE = 30 MPH



**DECLARATION OF RESPONSIBLE CHARGE**

I HEREBY DECLARE THAT I AM THE ENGINEER OF WORK FOR THIS PROJECT, THAT I HAVE EXERCISED RESPONSIBLE CHARGE OVER THE DESIGN OF THE PROJECT AS DEFINED IN SECTION 6703 OF THE BUSINESS AND PROFESSIONS CODE, AND THAT THE DESIGN IS CONSISTENT WITH CURRENT STANDARDS.

I UNDERSTAND THAT THE CHECK OF PROJECT DRAWINGS AND SPECIFICATIONS BY THE CITY OF SAN DIEGO IS CONFINED TO A REVIEW ONLY AND DOES NOT RELIEVE ME, AS ENGINEER OF WORK, OF MY RESPONSIBILITIES FOR PROJECT DESIGN.

**ENGINEER OF WORK:**

JOHN P. KEATING, R.C.E. 43595, DATE 2/5/12



**LINSCOTT LAW & GREENSPAN, ENGINEERS**  
4542 Ruffner Street, Suite 100  
San Diego, Ca 92111  
(858)300-8810 (FX)

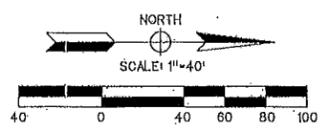
LLG 3-076300-51.1 TCE-6390-81507.00N 2/7/12  
Designed By: JSM Drawn By: GYS Checked By: JPK

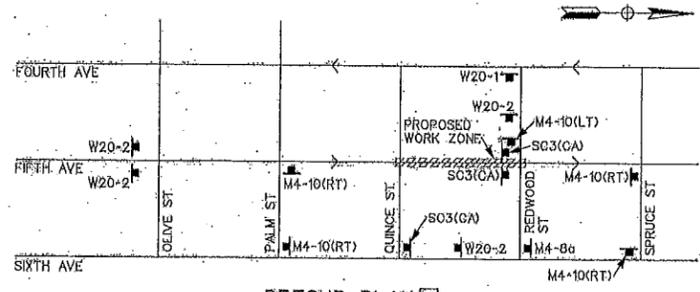
**NOTE**

FOR TRAFFIC CONTROL GENERAL NOTES AND LEGEND SEE SHEET 1.

T-8

TRAFFIC CONTROL PLANS FOR:				
WATER GROUP JOB 945 FIFTH AVENUE (STAGE 7)				
CITY OF SAN DIEGO, CALIFORNIA ENGINEERING AND CAPITAL PROJECTS DEPARTMENT SHEET 8 OF 17 SHEETS				WATER WBS 8-11041
APPROVED BY	DATE	FILED	DATE	PROJECT ENGINEER
Approved: Ahmad Alwan	02/18/2012			LUIS SCHAAR ASSOCIATE ENGINEER
FOR CITY ENGINEER				HAIMAN HAWY PROJECT ENGINEER
DESCRIPTION	BY	APPROVED	DATE	DATE
ORIGINAL	LLG			SEE CIVIL SHEETS COORDINATE
				SEE CIVIL SHEETS COORDINATE
CONTRACTOR	DATE STARTED	DATE COMPLETED		
INSPECTOR			36951-T08-D	





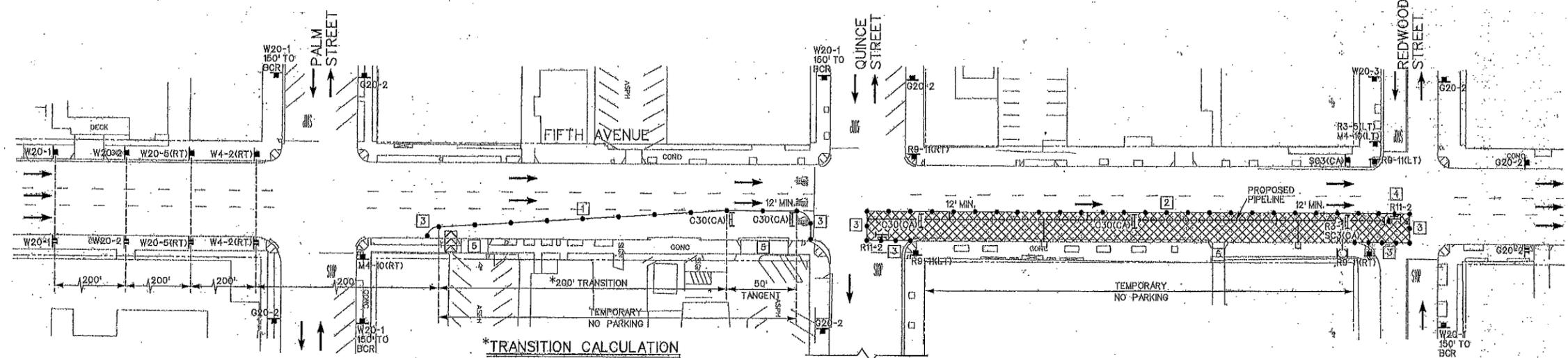
**DETOUR PLAN**  
NOT TO SCALE

**NOTES THIS SHEET**

- 1] DELINEATORS SHALL BE PLACED AT 25' INTERVALS.
- 2] DELINEATORS SHALL BE PLACED AT 15' INTERVALS.
- 3] DELINEATORS SHALL BE PLACED AT 10' INTERVALS.
- 4] SEE DETOUR PLAN THIS SHEET.
- 5] CONTRACTOR SHALL MAINTAIN ACCESS TO DRIVEWAY DURING THIS STAGE OF CONSTRUCTION.

**PIPELINE CONSTRUCTION**  
WORK HOURS: 8:00 AM TO 3:00 PM

**TRAFFIC SIGNAL NOTE:** CONTRACTOR SHALL COORDINATE WITH TRAFFIC CONTROL AND SIGNAL SECTION (888)485-4741 A MINIMUM OF 5 (FIVE) WORKING DAYS PRIOR TO WORK AFFECTING A TRAFFIC SIGNAL.  
TRAFFIC SIGNAL TO REMAIN OPERATIONAL

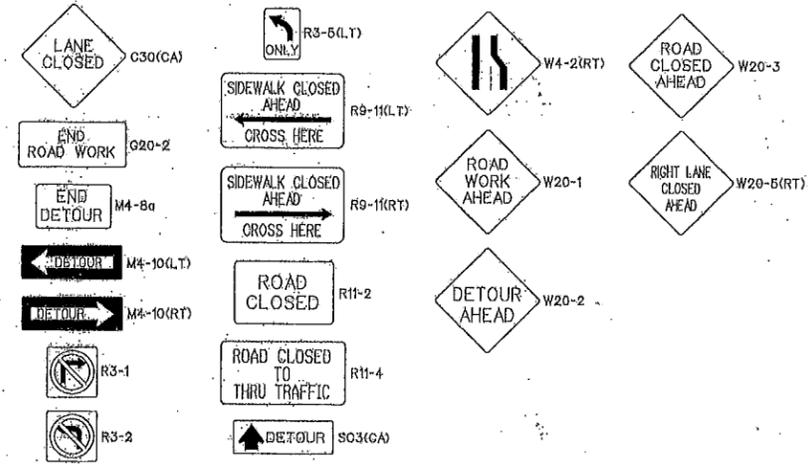


**\*TRANSITION CALCULATION**

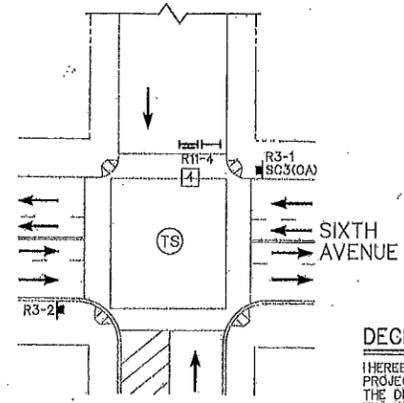
$$L = \frac{(W)(S)^2}{60} = \frac{(12)(30)^2}{60} = 180 \text{ FT}$$

USE 200 FT

**TEMPORARY CONSTRUCTION SIGNS (THIS SHEET ONLY)**



**TRAFFIC CONTROL DESIGN SPEED**  
FIFTH AVENUE = 30 MPH



**DECLARATION OF RESPONSIBLE CHARGE**

I HEREBY DECLARE THAT I AM THE ENGINEER OF WORK FOR THIS PROJECT, THAT I HAVE EXERCISED RESPONSIBLE CHARGE OVER THE DESIGN OF THE PROJECT AS DEFINED IN SECTION 6703 OF THE BUSINESS AND PROFESSIONS CODE, AND THAT THE DESIGN IS CONSISTENT WITH CURRENT STANDARDS.

I UNDERSTAND THAT THE CHECK OF PROJECT DRAWINGS AND SPECIFICATIONS BY THE CITY OF SAN DIEGO IS CONFINED TO A REVIEW ONLY AND DOES NOT RELIEVE ME, AS ENGINEER OF WORK, OF MY RESPONSIBILITIES FOR PROJECT DESIGN.

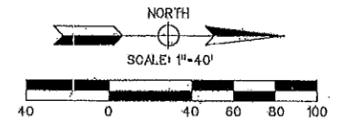
**ENGINEER OF WORK**

*John P. Keating*  
JOHN P. KEATING R.C.E. 43596 DATE 2/5/13



**LINSCOTT, LAW & GREENSPAN, ENGINEERS**  
4542 Ruffner Street, Suite 100  
San Diego, Ca 92111  
(858)300-8800 (PH) (858)300-8810 (FX)

LL0 3-076350-51.1	T09-6350-51S08.00N	2/6/13
Designed By: JSM	Drawn By: DVS	Checked By: JPK



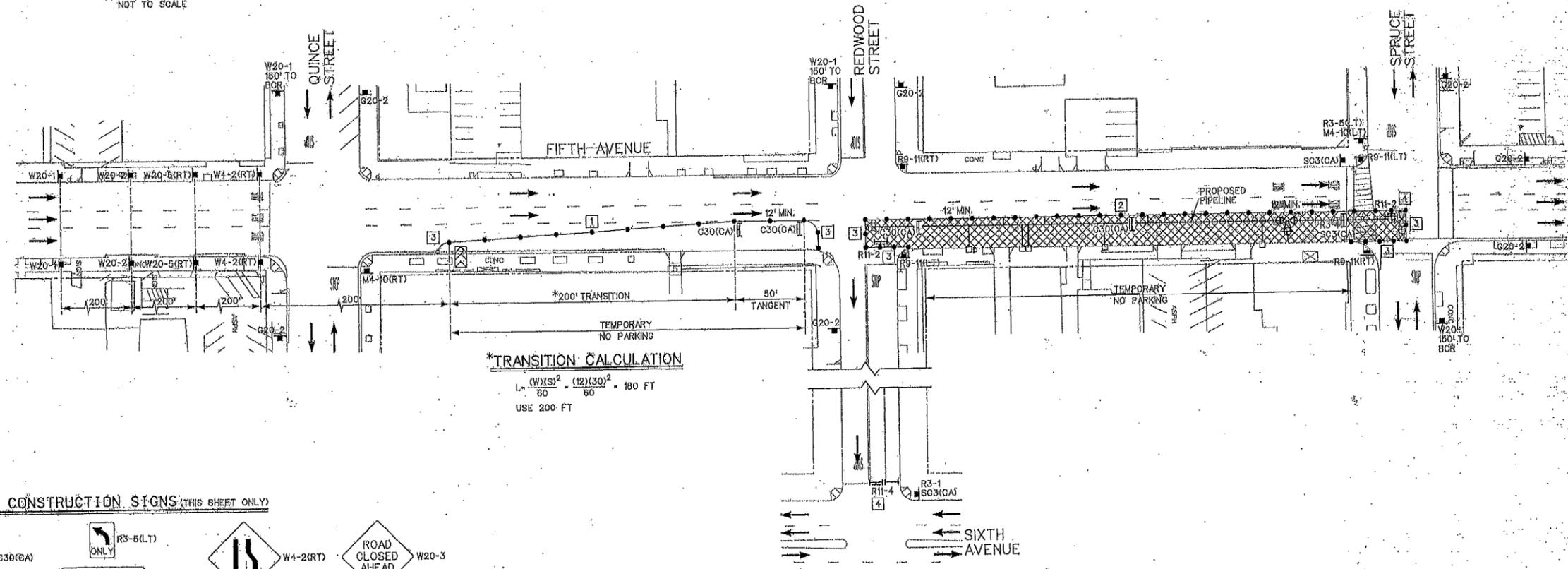
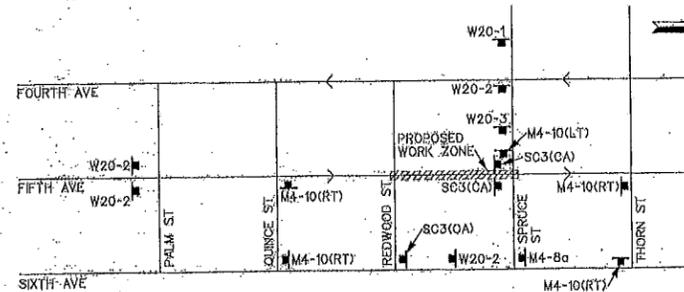
**NOTE**

FOR TRAFFIC CONTROL GENERAL NOTES AND LEGEND SEE SHEET 1.

TRAFFIC CONTROL PLANS FOR		T-9	
<b>WATER GROUP JOB 945</b>			
<b>FIFTH AVENUE</b>			
(STAGE B)			
CITY OF SAN DIEGO, CALIFORNIA ENGINEERING AND CAPITAL PROJECTS DEPARTMENT SHEET 9 OF 17 SHEETS		WATER JOB # 945-11	
FOR CITY ENGINEER	DATE	APPROVED BY	ASSOCIATE ENGINEER
<i>John Keating</i>	02/18/2013	LUS-SCHWAB	
DESCRIPTION	BY	APPROVED	DATE
ORIGINAL	LLG		
SEE CIVIL ENGINEER CORP COORDINATE		SEE CIVIL ENGINEER CORP COORDINATE	
CONTRACTOR		DATE STARTED	DATE COMPLETED
			36961-T09-D

PIPELINE CONSTRUCTION  
 WORK HOURS: 8:00 AM TO 3:00 PM

- NOTES THIS SHEET**
- 1] DELINEATORS SHALL BE PLACED AT 25' INTERVALS.
  - 2] DELINEATORS SHALL BE PLACED AT 15' INTERVALS.
  - 3] DELINEATORS SHALL BE PLACED AT 10' INTERVALS.
  - 4] SEE DETOUR PLAN THIS SHEET.
  - 5] CONTRACTOR SHALL MAINTAIN ACCESS TO DRIVEWAY DURING THIS STAGE OF CONSTRUCTION.

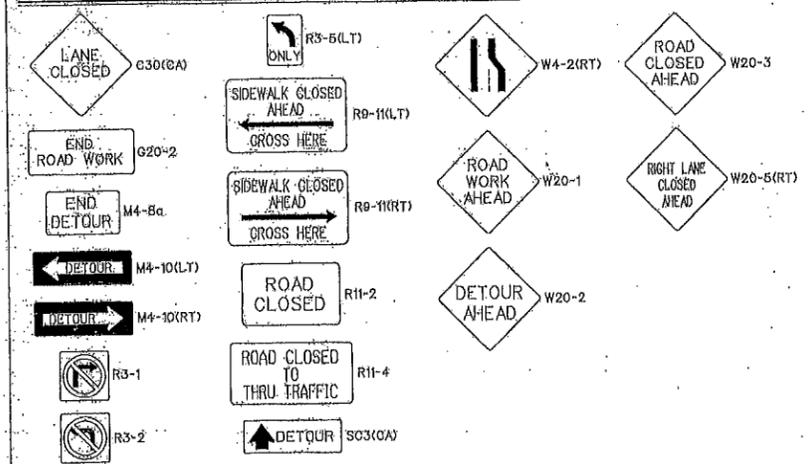


**\*TRANSITION CALCULATION**

$$L = \frac{(W)(S)^2}{60} = \frac{(12)(30)^2}{60} = 180 \text{ FT}$$

USE 200 FT

**TEMPORARY CONSTRUCTION SIGNS (THIS SHEET ONLY)**



**TRAFFIC CONTROL DESIGN SPEED**  
 FIFTH AVENUE = 30 MPH

**DECLARATION OF RESPONSIBLE CHARGE**

I HEREBY DECLARE THAT I AM THE ENGINEER OF WORK FOR THIS PROJECT, THAT I HAVE EXERCISED RESPONSIBLE CHARGE OVER THE DESIGN OF THE PROJECT AS DEFINED IN SECTION 6703 OF THE BUSINESS AND PROFESSIONS CODE, AND THAT THE DESIGN IS CONSISTENT WITH CURRENT STANDARDS.

I UNDERSTAND THAT THE CHECK OF PROJECT DRAWINGS AND SPECIFICATIONS BY THE CITY OF SAN DIEGO IS CONFINED TO A REVIEW ONLY AND DOES NOT RELIEVE ME, AS ENGINEER OF WORK, OF MY RESPONSIBILITIES FOR PROJECT DESIGN.

**ENGINEER OF WORK**

JOHN P. KEATING R.C.E. 43595 DATE 2/5/13



**LINSCOTT LAW & GREENSPAN ENGINEERS**  
 4542 Ruffner Street, Suite 100  
 San Diego, Ca 92111  
 (858) 300-8800 (PH) (858) 300-8810 (FX)

LL0 3-075350-51.1 T10-6350-518705.00N 2/8/13  
 Designed By: JSM Drawn By: OVS Checked By: JPK

**NOTE**

FOR TRAFFIC CONTROL GENERAL NOTES AND LEGEND SEE SHEET T-10

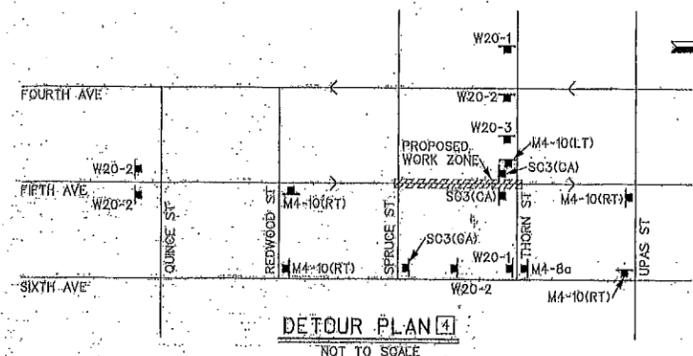
TRAFFIC CONTROL PLANS FOR:

**WATER GROUP JOB 945  
 FIFTH AVENUE  
 (STAGE 9)**

DESCRIPTION	BY	APPROVED DATE	FILED
ORIGINAL	LLO		

CITY OF SAN DIEGO, CALIFORNIA  
 ENGINEERING AND CAPITAL PROJECTS DEPARTMENT  
 SHEET 10 OF 17 SHEETS

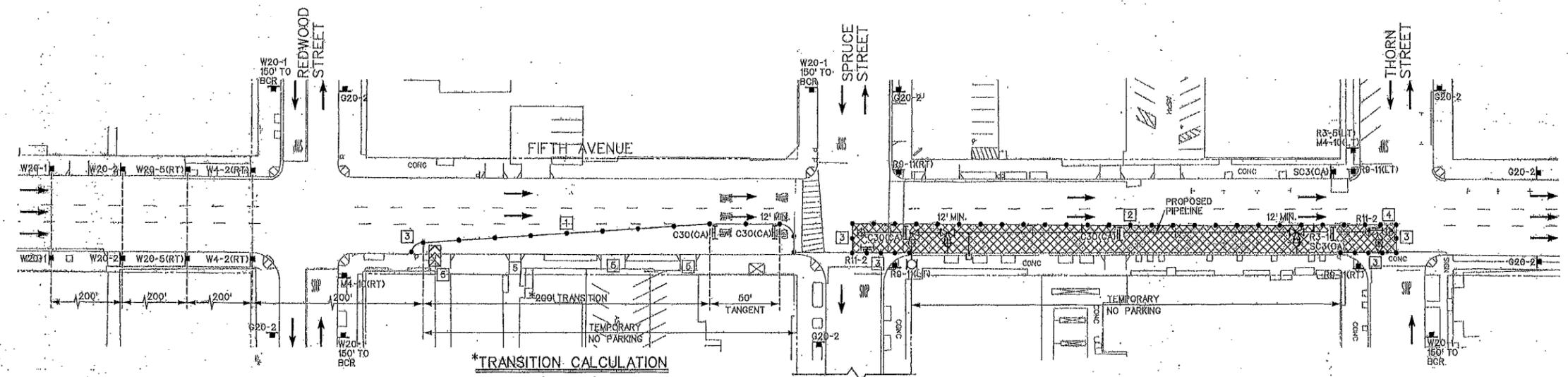
DATE STARTED: 03/18/2013  
 DATE COMPLETED: 36951-710-D



**NOTES THIS SHEET**

- 1) DELINEATORS SHALL BE PLACED AT 26' INTERVALS.
- 2) DELINEATORS SHALL BE PLACED AT 15' INTERVALS.
- 3) DELINEATORS SHALL BE PLACED AT 10' INTERVALS.
- 4) SEE DETOUR PLAN THIS SHEET.
- 5) CONTRACTOR SHALL MAINTAIN ACCESS TO DRIVEWAY DURING THIS STAGE OF CONSTRUCTION.

**PIPELINE CONSTRUCTION**  
 WORK HOURS 8:00 AM TO 3:00 PM

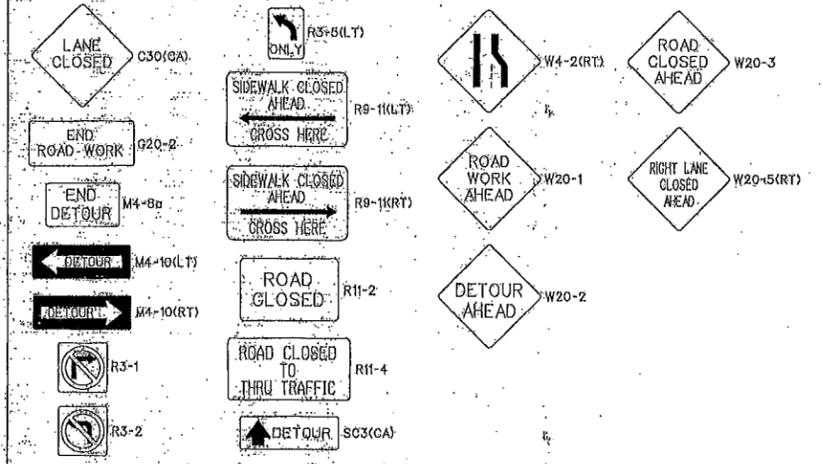


**\*TRANSITION CALCULATION**

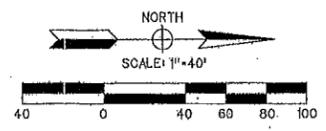
$$L = \frac{(W)(S)^2}{60} = \frac{(12)(30)^2}{60} = 180 \text{ FT}$$

USE 200 FT

**TEMPORARY CONSTRUCTION SIGNS (THIS SHEET ONLY)**



**TRAFFIC CONTROL DESIGN SPEED**  
 FIFTH AVENUE = 30 MPH



**DECLARATION OF RESPONSIBLE CHARGE**

I HEREBY DECLARE THAT I AM THE ENGINEER OF WORK FOR THIS PROJECT, THAT I HAVE EXERCISED RESPONSIBLE CHARGE OVER THE DESIGN OF THE PROJECT AS DEFINED IN SECTION 6703 OF THE BUSINESS AND PROFESSIONS CODE, AND THAT THE DESIGN IS CONSISTENT WITH CURRENT STANDARDS.

I UNDERSTAND THAT THE CHECK OF PROJECT DRAWINGS AND SPECIFICATIONS BY THE CITY OF SAN DIEGO IS CONFINED TO A REVIEW ONLY AND DOES NOT RELIEVE ME, AS ENGINEER OF WORK, OF MY RESPONSIBILITIES FOR PROJECT DESIGN.

**ENGINEER OF WORK**

JOHN F. KEATING R.C.E. 43595 DATE 2/5/13



**LINSCOTT LAW & GREENSPAN, ENGINEERS**  
 4542 Ruffner Street, Suite 100  
 San Diego, Ca 92111  
 (858)300-8800 (PH) (858)300-8800 (FX)

LLD 3-076350-51.1 T011-0380-51S1010.DGN 2/5/13  
 Designed By: JSM Drawn By: OVS Checked By: JPK

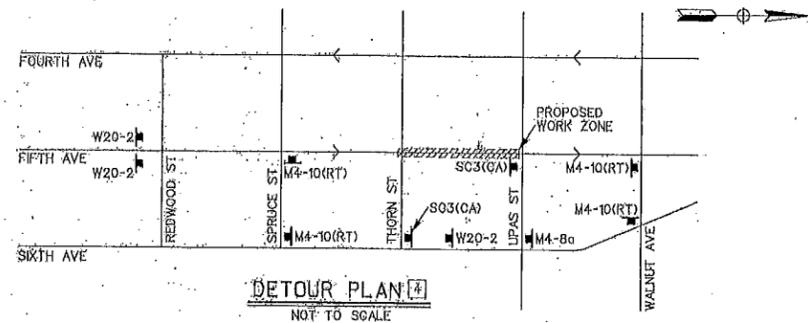
**NOTE**

FOR TRAFFIC CONTROL GENERAL NOTES AND LEGEND SEE SHEET 1.

TRAFFIC CONTROL PLANS FOR:

**WATER GROUP JOB 945  
FIFTH AVENUE  
(STAGE 10)**

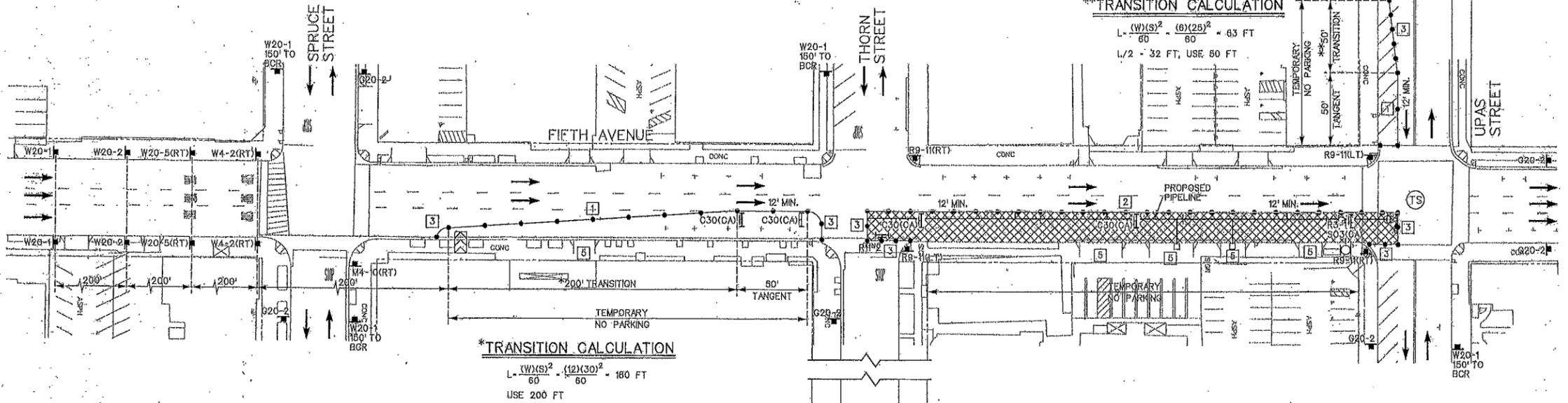
CITY OF SAN DIEGO, CALIFORNIA ENGINEERING AND CAPITAL PROJECTS DEPARTMENT SHEET 11 OF 17 SHEETS				WATER JOB # 945
DATE: 02/18/2013				DESIGNED BY: LUIS SCHWAB
DESCRIPTION	BY	APPROVED	DATE	FILED
ORIGINAL	LEG			
CONTRACTOR: _____ DATE STARTED: _____				INSPECTOR: _____ DATE COMPLETED: _____



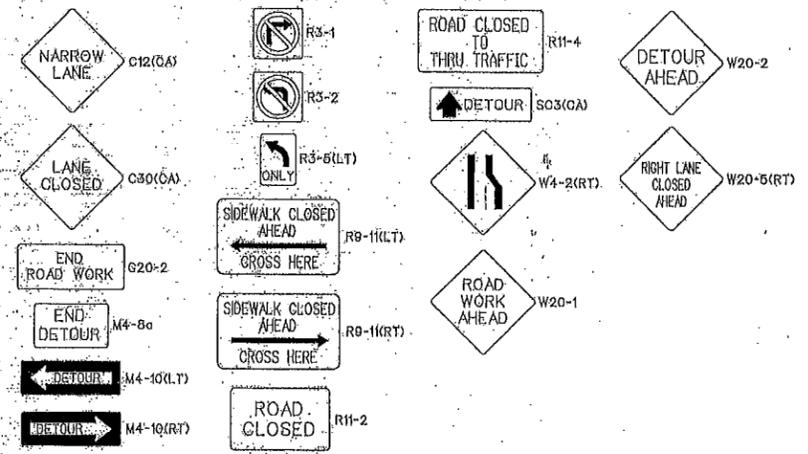
TRAFFIC SIGNAL NOTE: CONTRACTOR SHALL COORDINATE WITH TRAFFIC CONTROL AND SIGNAL SECTION (858)496-4741 A MINIMUM OF 5 (FIVE) WORKING DAYS PRIOR TO WORK AFFECTING A TRAFFIC SIGNAL.  
TRAFFIC SIGNAL TO BE SET TO RED FLASH AT FIFTH AVE/UPAS ST INTERSECTION

PIPELINE CONSTRUCTION  
WORK HOURS 8:00 PM TO 5:00 AM  
\*\*\*\*\*NIGHT WORK\*\*\*\*\*

- NOTES THIS SHEET
- 1] DELINEATORS SHALL BE PLACED AT 25' INTERVALS.
  - 2] DELINEATORS SHALL BE PLACED AT 15' INTERVALS.
  - 3] DELINEATORS SHALL BE PLACED AT 10' INTERVALS.
  - 4] SEE DETOUR PLAN THIS SHEET.
  - 5] CONTRACTOR SHALL MAINTAIN ACCESS TO DRIVEWAY DURING THIS STAGE OF CONSTRUCTION.

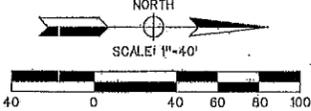


TEMPORARY CONSTRUCTION SIGNS (THIS SHEET ONLY)



TRAFFIC CONTROL DESIGN SPEED  
FIFTH AVENUE \* 30 MPH  
UPAS STREET = 25 MPH

NOTE  
FOR TRAFFIC CONTROL GENERAL NOTES AND LEGEND SEE SHEET 1.



DECLARATION OF RESPONSIBLE CHARGE

I HEREBY DECLARE THAT I AM THE ENGINEER OF WORK FOR THIS PROJECT, THAT I HAVE EXERCISED RESPONSIBLE CHARGE OVER THE DESIGN OF THE PROJECT AS DEFINED IN SECTION 6703 OF THE BUSINESS AND PROFESSIONS CODE, AND THAT THE DESIGN IS CONSISTENT WITH CURRENT STANDARDS.  
I UNDERSTAND THAT THE CHECK OF PROJECT DRAWINGS AND SPECIFICATIONS BY THE CITY OF SAN DIEGO IS CONFINED TO A REVIEW ONLY AND DOES NOT RELIEVE ME, AS ENGINEER OF WORK, OF MY RESPONSIBILITIES FOR PROJECT DESIGN.

ENGINEER OF WORK

*John P. Reating*  
JOHN P. REATING R.C.E. 43695 DATE 2/5/13



LINSCOTT LAW & GREENSPAN, ENGINEERS  
4542 Ruffner Street, Suite 100  
San Diego, Ca: 92111  
(858)300-8800 (PH) (858)300-8810 (FX)

LL6 3-076380-81.1 T012-8380-8151811.00N 2/5/13  
Designed By: JSM Drawn By: DVS Checked By: JPK

TRAFFIC CONTROL PLANS FOR:  
WATER GROUP JOB 945  
FIFTH AVENUE  
(STAGE 1)

CITY OF SAN DIEGO, CALIFORNIA ENGINEERING AND CAPITAL PROJECTS DEPARTMENT SHEET 12 OF 17 SHEETS		WATER WBS: B-1041
APPROVED BY: <i>Amel Kowalew</i> 03/13/2013	DATE: 03/13/2013	ASSOCIATE ENGINEER: LUIS SCHWARZ
DESCRIPTION: ORIGINAL	BY: LLG	PROJECT ENGINEER: MANHAT HADJI
SEE CIVIL SHEET 10 COORDINATE		SEE CIVIL SHEET 10 COORDINATE
CONTRACTOR: _____	DATE STARTED: _____	DATE COMPLETED: _____
INSPECTOR: _____	DATE COMPLETED: _____	36951-112-D

**NOTES THIS SHEET**

- 1 DELINEATORS SHALL BE PLACED AT 25' INTERVALS.
- 2 DELINEATORS SHALL BE PLACED AT 15' INTERVALS.
- 3 DELINEATORS SHALL BE PLACED AT 10' INTERVALS.
- 4 SEE DETOUR PLAN THIS SHEET.
- 5 CONTRACTOR SHALL MAINTAIN ACCESS TO DRIVEWAY DURING THIS STAGE OF CONSTRUCTION.

TRAFFIC SIGNAL NOTE: CONTRACTOR SHALL COORDINATE WITH TRAFFIC CONTROL AND SIGNAL SECTION (858)496-4741 A MINIMUM OF 5 (FIVE) WORKING DAYS PRIOR TO WORK AFFECTING A TRAFFIC SIGNAL.

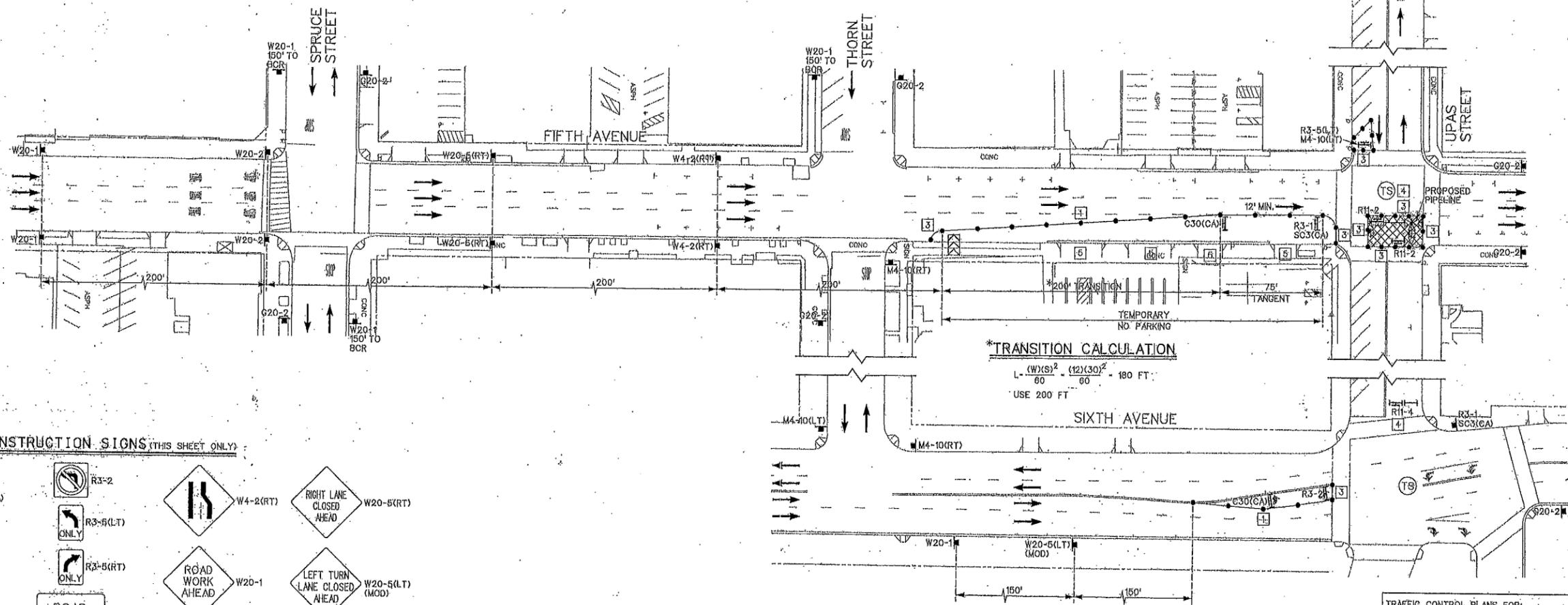
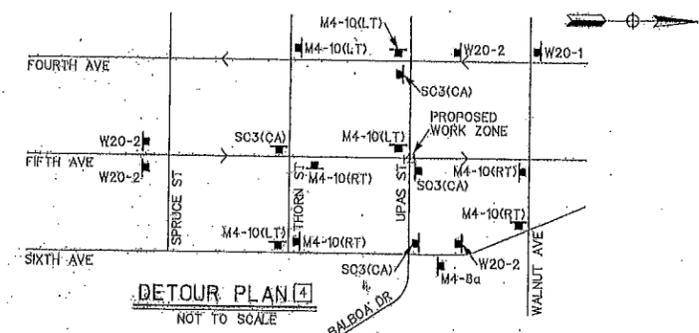
TRAFFIC SIGNAL TO BE SET TO RED FLASH AT FIFTH AVE/UPAS ST INTERSECTION.

TRAFFIC SIGNAL TO REMAIN OPERATIONAL AT SIXTH AVE/UPAS ST INTERSECTION.

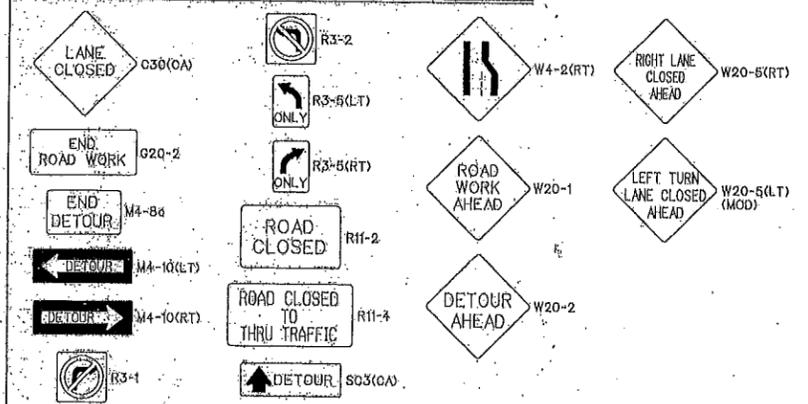
\*\*\*\*\*NIGHT WORK\*\*\*\*\*

PIPELINE CONSTRUCTION

WORK HOURS: 9:00 PM TO 5:00 AM



**TEMPORARY CONSTRUCTION SIGNS (THIS SHEET ONLY)**



**TRAFFIC CONTROL DESIGN SPEED**

FIFTH AVENUE - 30 MPH

UPAS STREET - 25 MPH

**DECLARATION OF RESPONSIBLE CHARGE**

I HEREBY DECLARE THAT I AM THE ENGINEER OF WORK FOR THIS PROJECT, THAT I HAVE EXERCISED RESPONSIBLE CHARGE OVER THE DESIGN OF THE PROJECT AS DEFINED IN SECTION 6703 OF THE BUSINESS AND PROFESSIONS CODE, AND THAT THE DESIGN IS CONSISTENT WITH CURRENT STANDARDS.

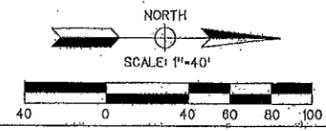
I UNDERSTAND THAT THE CHECK OF PROJECT DRAWINGS AND SPECIFICATIONS BY THE CITY OF SAN DIEGO IS CONFINED TO A REVIEW ONLY AND DOES NOT RELIEVE ME, AS ENGINEER OF WORK, OF MY RESPONSIBILITIES FOR PROJECT DESIGN.

**ENGINEER OF WORK**

JOHN P. KEATING  
R.G.E. 43595  
DATE: 2/5/13

**NOTE**

FOR TRAFFIC CONTROL GENERAL NOTES AND LEGEND SEE SHEET 1.



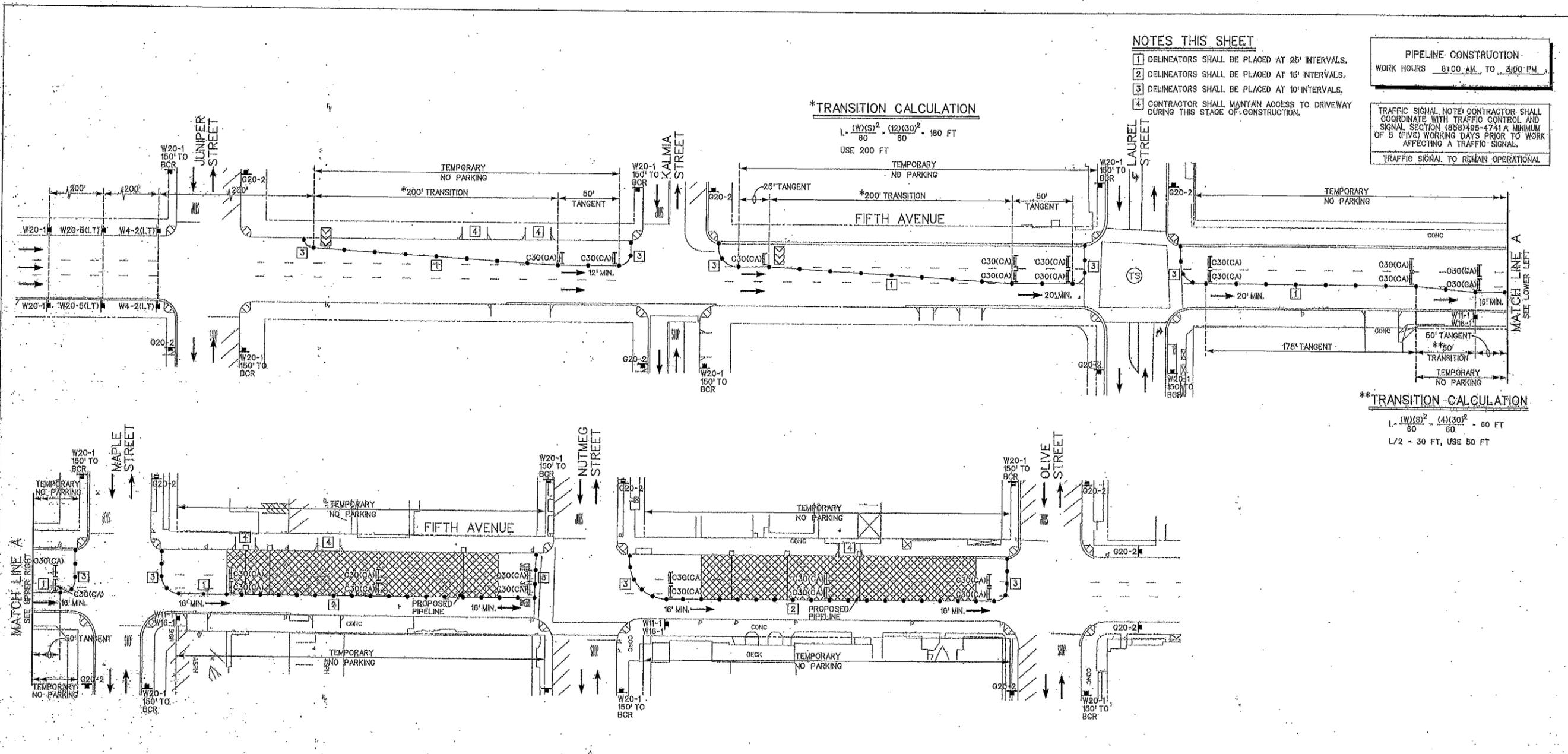
**LINSCOTT, LAW & GREENSPAN, ENGINEERS**  
4542 Ruffner Street, Suite 100  
San Diego, Ca 92111  
(858)300-8800 (PH) (858)300-8810 (FX)

LL0 3-076350-51.1 TO13-8350-515T012.D0N 2/5/13  
Designed By: JSM Drawn By: DVS Checked By: JPK

TRAFFIC CONTROL PLANS FOR:

**WATER GROUP JOB 945**  
**FIFTH AVENUE**  
(STAGE 12)

CITY OF SAN DIEGO, CALIFORNIA ENGINEERING AND CAPITAL PROJECTS DEPARTMENT SHEET 13 OF 17 SHEETS		WATER JOB: 0-1041
APPROVED BY: David Romo	DATE: 03/18/2013	DESIGNED BY: LUIS SCHWAB
DESCRIPTION: ORIGINAL	BY: LLG	APPROVED BY: ANWAR HAVAT
		PROJECT ENGINEER
		SEE CIVIL SHEETS
		COORDINATOR
		SEE CIVIL SHEETS
		COORDINATOR
CONTRACTOR INSPECTOR:	DATE STARTED:	DATE COMPLETED:
		3895-113-D



**NOTES THIS SHEET**

- 1 DELINEATORS SHALL BE PLACED AT 25' INTERVALS.
- 2 DELINEATORS SHALL BE PLACED AT 15' INTERVALS.
- 3 DELINEATORS SHALL BE PLACED AT 10' INTERVALS.
- 4 CONTRACTOR SHALL MAINTAIN ACCESS TO DRIVEWAY DURING THIS STAGE OF CONSTRUCTION.

**PIPELINE CONSTRUCTION**  
 WORK HOURS 8:00 AM TO 3:00 PM

TRAFFIC SIGNAL NOTE: CONTRACTOR SHALL COORDINATE WITH TRAFFIC CONTROL AND SIGNAL SECTION (858)495-4741 A MINIMUM OF 5 (FIVE) WORKING DAYS PRIOR TO WORK AFFECTING A TRAFFIC SIGNAL.  
 TRAFFIC SIGNAL TO REMAIN OPERATIONAL

**\*TRANSITION CALCULATION**

$$L = \frac{(W)(S)^2}{60} = \frac{(12)(30)^2}{60} = 180 \text{ FT}$$

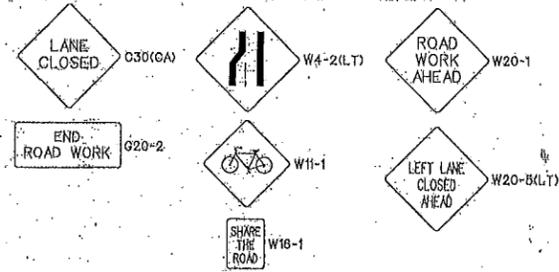
USE 200 FT

**\*\*TRANSITION CALCULATION**

$$L = \frac{(W)(S)^2}{60} = \frac{(4)(30)^2}{60} = 60 \text{ FT}$$

L/2 = 30 FT, USE 50 FT

**TEMPORARY CONSTRUCTION SIGNS (THIS SHEET ONLY)**



**TRAFFIC CONTROL DESIGN SPEED**  
 FIFTH AVENUE - 30 MPH

**DECLARATION OF RESPONSIBLE CHARGE**

I HEREBY DECLARE THAT I AM THE ENGINEER OF WORK FOR THIS PROJECT, THAT I HAVE EXERCISED RESPONSIBLE CHARGE OVER THE DESIGN OF THE PROJECT AS DEFINED IN SECTION 8703 OF THE BUSINESS AND PROFESSIONS CODE, AND THAT THE DESIGN IS CONSISTENT WITH CURRENT STANDARDS.  
 I UNDERSTAND THAT THE CHECK OF PROJECT DRAWINGS AND SPECIFICATIONS BY THE CITY OF SAN DIEGO IS CONFINED TO A REVIEW ONLY AND DOES NOT RELIEVE ME, AS ENGINEER OF WORK, OF MY RESPONSIBILITIES FOR PROJECT DESIGN.

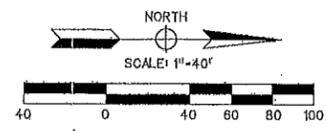
**ENGINEER OF WORK**

*John P. Reatwig*  
 JOHN P. REATWIG R.C.E. 43595 DATE 2/5/13



**LINSCOTT LAW & GREENSPAN, ENGINEERS**  
 4542 Ruffner Street, Suite 100  
 San Diego, Ca 92111  
 (858)300-8800 (PH) (858)300-8810 (FX)

LL0 3-076350-81.1	TC14-6390-5151013.DGN	2/5/13
Designed By: JSM	Drawn By: DVS	Checked By: JPK



**NOTE**

FOR TRAFFIC CONTROL GENERAL NOTES AND LEGEND SEE SHEET 1.

TRAFFIC CONTROL PLANS FOR:		T-14	
<b>WATER GROUP JOB 945 FIFTH AVENUE (STAGE 13)</b>			
CITY OF SAN DIEGO, CALIFORNIA ENGINEERING AND CAPITAL PROJECTS DEPARTMENT SHEET 14 OF 17 SHEETS		WATER JOB # B-1041	
FOR CITY ENGINEER	DATE	APPROVED BY	ASSOCIATE ENGINEER
<i>Amal Kanchana</i>	03/10/2013	LUB SCHWAB	
DESCRIPTION	BY	APPROVED	DATE
ORIGINAL	LLG		
		PROJECT ENGINEER	
		SEE CIVIL SHEETS	
		CORR. COORDINATE	
		SEE CIVIL SHEETS	
		CORR. COORDINATE	
CONTRACTOR	DATE STARTED	INSPECTOR	DATE COMPLETED
			36951-T14-D

**NOTES THIS SHEET**

- 1 DELINEATORS SHALL BE PLACED AT 25' INTERVALS.
- 2 DELINEATORS SHALL BE PLACED AT 15' INTERVALS.
- 3 DELINEATORS SHALL BE PLACED AT 10' INTERVALS.
- 4 CONTRACTOR SHALL MAINTAIN ACCESS TO DRIVEWAY DURING THIS STAGE OF CONSTRUCTION.

**PIPELINE CONSTRUCTION**  
 WORK HOURS 8:00 AM TO 3:00 PM

TRAFFIC SIGNAL NOTE: CONTRACTOR SHALL COORDINATE WITH TRAFFIC CONTROL AND SIGNAL SECTION (868)495-4741 A MINIMUM OF 5 (FIVE) WORKING DAYS PRIOR TO WORK AFFECTING A TRAFFIC SIGNAL.  
 TRAFFIC SIGNAL TO REMAIN OPERATIONAL

**\*TRANSITION CALCULATION**

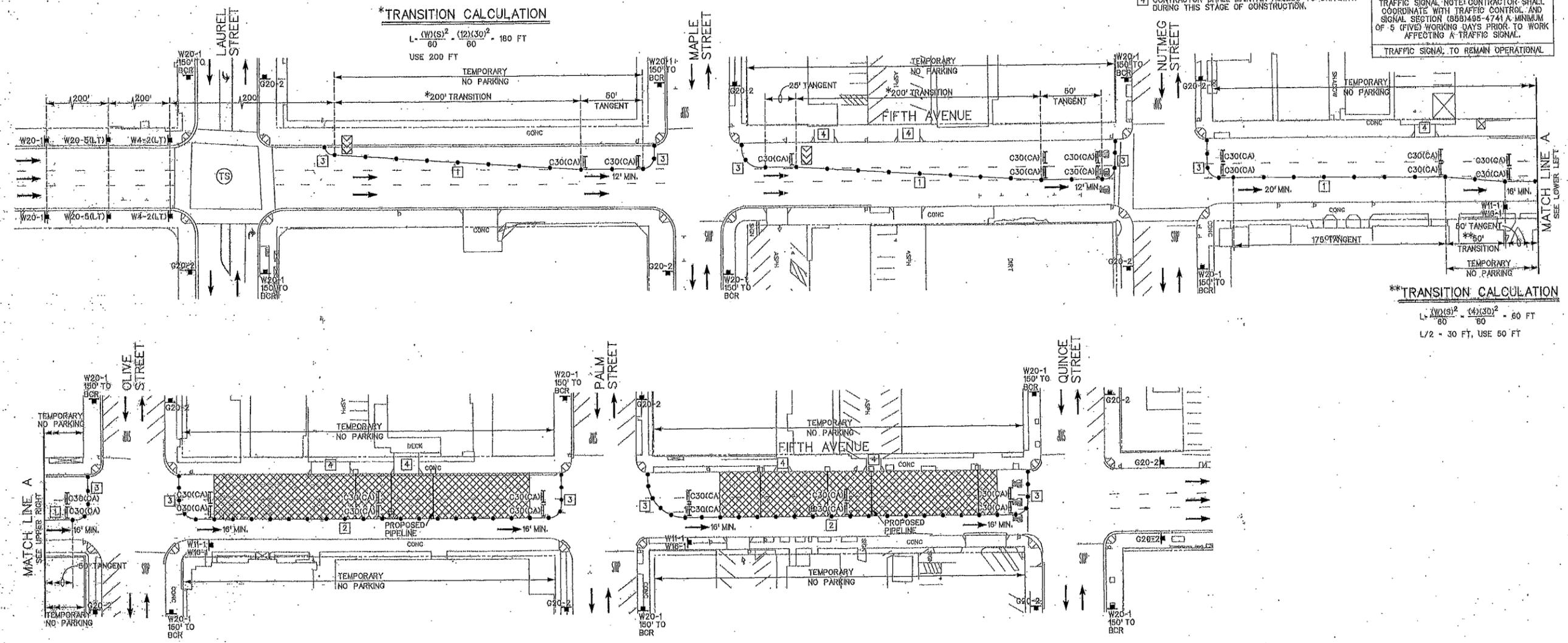
$$L = \frac{(W)(S)^2}{60} = \frac{(12)(30)^2}{60} = 180 \text{ FT}$$

USE 200 FT

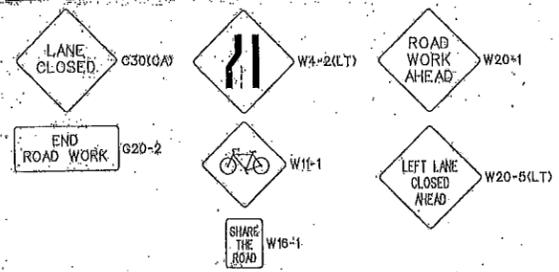
**\*\*TRANSITION CALCULATION**

$$L = \frac{(W)(S)^2}{60} = \frac{(4)(30)^2}{60} = 60 \text{ FT}$$

L/2 = 30 FT, USE 50 FT



**TEMPORARY CONSTRUCTION SIGNS (THIS SHEET ONLY)**



**TRAFFIC CONTROL DESIGN SPEED**  
 FIFTH AVENUE = 30 MPH

**DECLARATION OF RESPONSIBLE CHARGE**

I HEREBY DECLARE THAT I AM THE ENGINEER OF WORK FOR THIS PROJECT, THAT I HAVE EXERCISED RESPONSIBLE CHARGE OVER THE DESIGN OF THE PROJECT AS DEFINED IN SECTION 6703 OF THE BUSINESS AND PROFESSIONS CODE, AND THAT THE DESIGN IS CONSISTENT WITH CURRENT STANDARDS.  
 I UNDERSTAND THAT THE CHECK OF PROJECT DRAWINGS AND SPECIFICATIONS BY THE CITY OF SAN DIEGO IS CONFINED TO A REVIEW ONLY AND DOES NOT RELIEVE ME, AS ENGINEER OF WORK, OF MY RESPONSIBILITIES FOR PROJECT DESIGN.

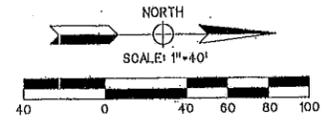
**ENGINEER OF WORK**

*John P. Keating*  
 JOHN P. KEATING R.O.E. 43505 DATE 2/5/13



**LINSCOTT, LAW & GREENSPAN, ENGINEERS**  
 4542 Ruffner Street, Suite 100  
 San Diego, Ca 92111  
 (858)300-8800 (PH) (858)300-8810 (FX)

LLg 3-076360-61.1 1018-6360-515014.02N 2/5/13  
 Drawn By: JSH Drwn By: DVS Checked By: JPK



**NOTE**

FOR TRAFFIC CONTROL: GENERAL NOTES AND LEGEND SEE SHEET T-15

TRAFFIC CONTROL PLANS FOR

**WATER GROUP JOB 945  
 FIFTH AVENUE  
 (STAGE 14)**

CITY OF SAN DIEGO, CALIFORNIA ENGINEERING AND CAPITAL PROJECTS DEPARTMENT SHEET 15 OF 17 SHEETS		WATER B-1041
FOR CITY ENGINEER <i>Amal Horwath</i> DATE 03/18/2013	FOR PROJECT ENGINEER MAHMOUD AHMED PROJECT ENGINEER	SEE CIVIL SHEETS COORDINATE
DESCRIPTION	BY	APPROVED
ORIGINAL	LLG	DATE
DATE	FILED	
CONTRACTOR	DATE STARTED	DATE COMPLETED
INSPECTOR		36951-T15-D

**PIPELINE CONSTRUCTION**  
 WORK HOURS 8:00 AM TO 3:00 PM

- NOTES THIS SHEET**
- 1 DELINEATORS SHALL BE PLACED AT 25' INTERVALS.
  - 2 DELINEATORS SHALL BE PLACED AT 15' INTERVALS.
  - 3 DELINEATORS SHALL BE PLACED AT 10' INTERVALS.
  - 4 CONTRACTOR SHALL MAINTAIN ACCESS TO DRIVEWAY DURING THIS STAGE OF CONSTRUCTION.

**\*TRANSITION CALCULATION**

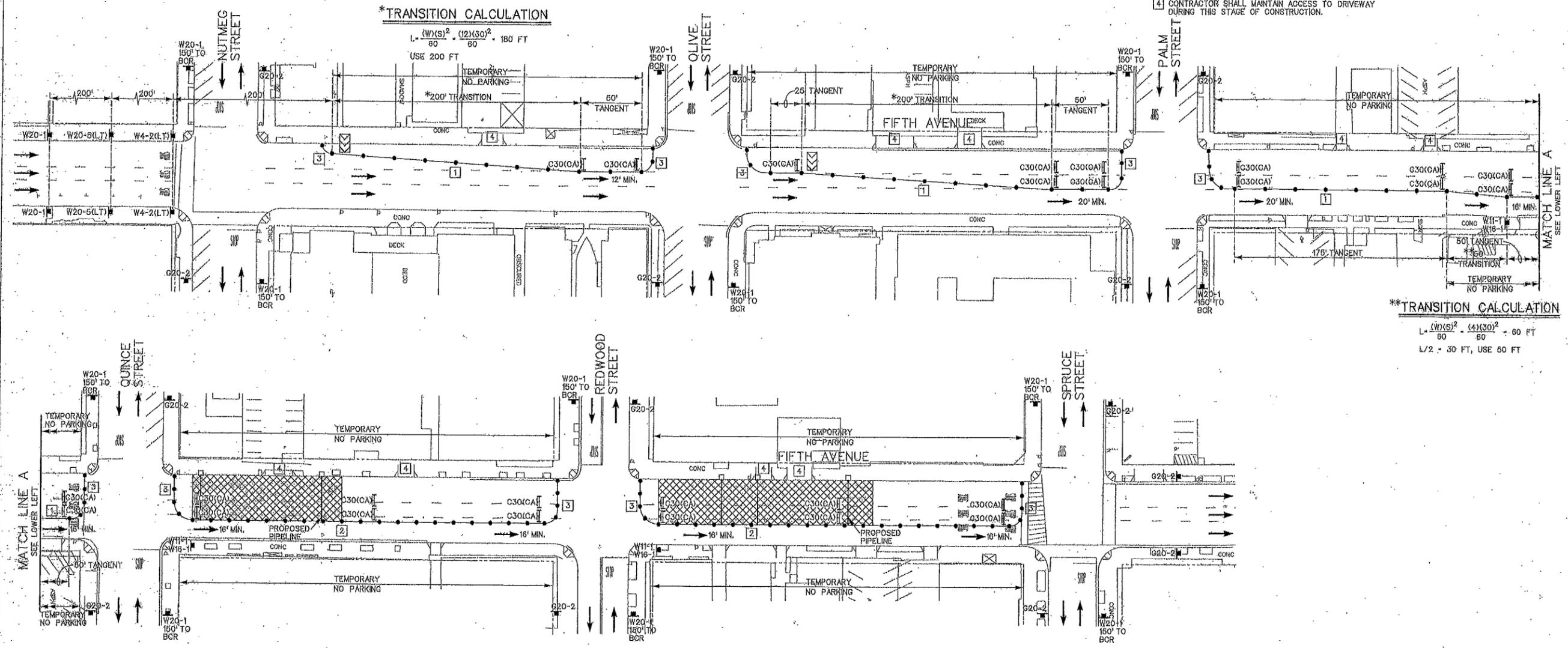
$$L = \frac{W(S)^2}{60} = \frac{(12)(30)^2}{60} = 180 \text{ FT}$$

USE 200 FT

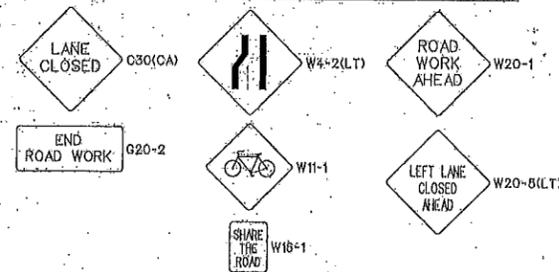
**\*\*TRANSITION CALCULATION**

$$L = \frac{W(S)^2}{60} = \frac{(4)(30)^2}{60} = 60 \text{ FT}$$

L/2 = 30 FT, USE 60 FT



**TEMPORARY CONSTRUCTION SIGNS (THIS SHEET ONLY)**



**TRAFFIC CONTROL DESIGN SPEED**  
 FIFTH AVENUE = 30 MPH

**DECLARATION OF RESPONSIBLE CHARGE**

I HEREBY DECLARE THAT I AM THE ENGINEER OF WORK FOR THIS PROJECT, THAT I HAVE EXERCISED RESPONSIBLE CHARGE OVER THE DESIGN OF THE PROJECT AS DEFINED IN SECTION 0703 OF THE BUSINESS AND PROFESSIONS CODE, AND THAT THE DESIGN IS CONSISTENT WITH CURRENT STANDARDS.

I UNDERSTAND THAT THE CHECK OF PROJECT DRAWINGS AND SPECIFICATIONS BY THE CITY OF SAN DIEGO IS CONFINED TO A REVIEW ONLY AND DOES NOT RELIEVE ME, AS ENGINEER OF WORK, OF MY RESPONSIBILITIES FOR PROJECT DESIGN.

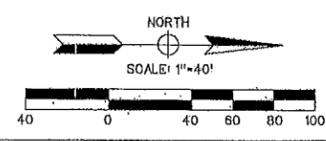
**ENGINEER OF WORK**

*J.P. Keating*  
 JOHN P. KEATING R.C.E. 43595 DATE 2/5/13



**LINSCOTT LAW & GREENSPAN, ENGINEERS**  
 4542 Ruffner Street, Suite 100  
 San Diego, Ca 92111  
 (858)300-8800 (PH) (858)300-8810 (FX)

LLC 3-076350-51.1	TC16-6380-6187015-00N	2/6/13
Designed By: JSM	Drawn By: DVS	Checked By: JPK



**NOTE**

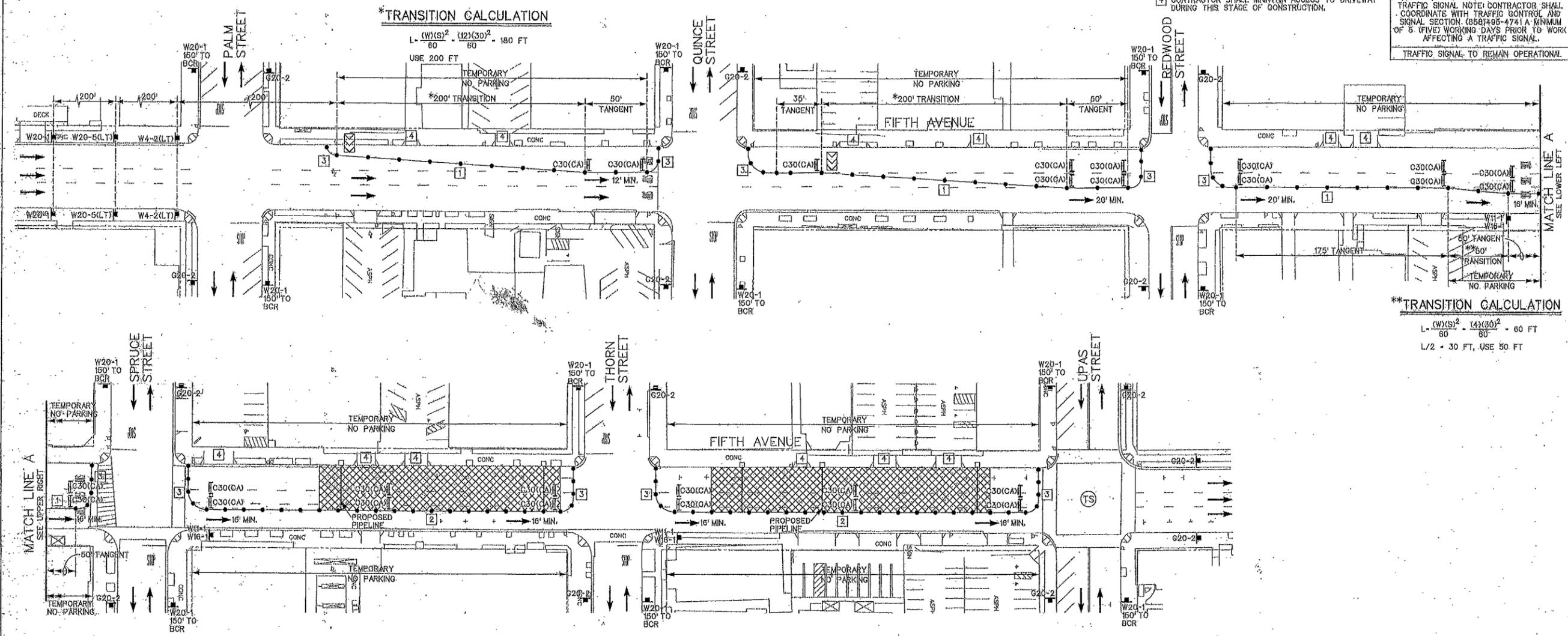
FOR TRAFFIC CONTROL GENERAL NOTES AND LEGEND SEE SHEET T-16

TRAFFIC CONTROL PLANS FOR:		T-16	
<b>WATER GROUP JOB 945 FIFTH AVENUE (STAGE 1B)</b>			
CITY OF SAN DIEGO, CALIFORNIA ENGINEERING AND CAPITAL PROJECTS DEPARTMENT SHEET 16 OF 17 SHEETS		WATER WBS: B-1041	
APPROVED FOR CITY ENGINEER	DATE	DESIGNED BY	ASSOCIATE ENGINEER
<i>Amal Khandekar</i>	03/18/2013		LEO SCHWAB
DESCRIPTION	BY	APPROVED	DATE
ORIGINAL	LLG		
DRAWN BY		PROJECT ENGINEER	
SEE CIVIL SHEETS		COORDINATOR	
SEE CIVIL SHEETS		COORDINATOR	
CONTRACTOR	DATE STARTED	DATE COMPLETED	
			36951-T16-D

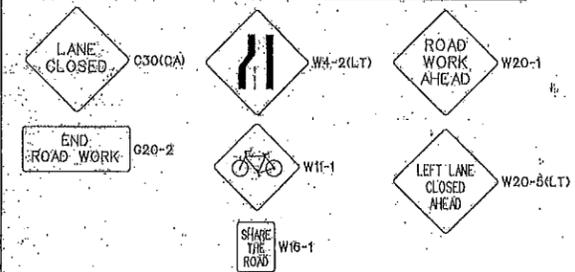
**PIPELINE CONSTRUCTION**  
 WORK HOURS 8:00 AM TO 3:00 PM

TRAFFIC SIGNAL NOTE: CONTRACTOR SHALL COORDINATE WITH TRAFFIC CONTROL AND SIGNAL SECTION (858)495-4741 A MINIMUM OF 5 (FIVE) WORKING DAYS PRIOR TO WORK AFFECTING A TRAFFIC SIGNAL.  
 TRAFFIC SIGNAL TO REMAIN OPERATIONAL

- NOTES THIS SHEET**
- 1 DELINEATORS SHALL BE PLACED AT 25' INTERVALS.
  - 2 DELINEATORS SHALL BE PLACED AT 15' INTERVALS.
  - 3 DELINEATORS SHALL BE PLACED AT 10' INTERVALS.
  - 4 CONTRACTOR SHALL MAINTAIN ACCESS TO DRIVEWAY DURING THIS STAGE OF CONSTRUCTION.



**TEMPORARY CONSTRUCTION SIGNS (THIS SHEET ONLY)**



**TRAFFIC CONTROL DESIGN SPEED**  
 FIFTH AVENUE = 30 MPH

**DECLARATION OF RESPONSIBLE CHARGE**

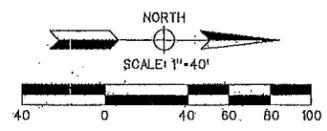
I HEREBY DECLARE THAT I AM THE ENGINEER OF WORK FOR THIS PROJECT, THAT I HAVE EXERCISED RESPONSIBLE CHARGE OVER THE DESIGN OF THE PROJECT AS DEFINED IN SECTION 6703 OF THE BUSINESS AND PROFESSIONS CODE, AND THAT THE DESIGN IS CONSISTENT WITH CURRENT STANDARDS.  
 I UNDERSTAND THAT THE CHECK OF PROJECT DRAWINGS AND SPECIFICATIONS BY THE CITY OF SAN DIEGO IS CONFINED TO A REVIEW ONLY AND DOES NOT RELIEVE ME, AS ENGINEER OF WORK, OF MY RESPONSIBILITIES FOR PROJECT DESIGN.

**ENGINEER OF WORK**

*John P. Keating*  
 JOHN P. KEATING R.C.E. 43595 DATE 2/5/13



**LINSCOTT LAW & GREENSPAN, ENGINEERS**  
 4542 Ruffner Street, Suite 100  
 San Diego, Ca 92111  
 (858)300-8810 (FX)



**NOTE**

FOR TRAFFIC CONTROL GENERAL NOTES AND LEGEND SEE SHEET 1.

T-17

TRAFFIC CONTROL PLANS FOR:

**WATER GROUP JOB 945  
 FIFTH AVENUE  
 (STAGE 10)**

CITY OF SAN DIEGO, CALIFORNIA ENGINEERING AND CAPITAL PROJECTS DEPARTMENT SHEET 17 OF 17 SHEETS		WATER NO. 8-1041
DESIGNER John Keating	DATE 02/18/2013	APPROVED BY LUS SCHWAB ASSOCIATE ENGINEER
DESCRIPTION ORIGINAL	BY LLG	DATE 02/18/2013
DESIGNED BY JSM		PROJECT ENGINEER LUS SCHWAB
DRAWN BY DVS		SEE CIVIL SHEETS COORDINATE
CHECKED BY JPK		SEE CIVIL SHEETS COORDINATE
CONTRACTOR INSPECTOR	DATE STARTED DATE COMPLETED	36951-T17-D