

CITY OF MANHATTAN BEACH

BID DOCUMENTS

PROJECT NO. U - 01

UNDERGROUNDING UTILITY ASSESSMENT DISTRICT 4
Between Ardmore Ave. and Sepulveda Blvd. and
Between 2nd St. and Boundary Place
SEPTEMBER 2019



CITY OF MANHATTAN BEACH
PUBLIC WORKS DEPARTMENT
ANASTASIA SEIMS
1400 HIGHLAND AVENUE
MANHATTAN BEACH, CA 90266


Stephanie Katsouleas, Director of Public Works C61997

NOTICE INVITING BIDS	NIB-1
INSTRUCTIONS TO BIDDERS.....	I-1
CHECKLIST FOR BIDDERS	I-6
BID	B-1
CONTRACT	C-1
PAYMENT BOND (LABOR AND MATERIALS).....	C-5
PERFORMANCE BOND.....	C-7
WARRANTY BOND	C-9
GENERAL PROVISIONS	GP-1
SECTION 0. GENERAL PROVISIONS DEFINED	GP-1
SECTION 1. TERMS, DEFINITIONS, ABBREVIATIONS, UNITS OF MEASURE, AND SYMBOLS.....	GP-1
SECTION 2. SCOPE AND CONTROL OF THE WORK	GP-3
SECTION 3. CHANGES IN WORK.....	GP-8
SECTION 4. CONTROL OF MATERIALS	GP-29
SECTION 5 UTILITIES	GP-30
SECTION 6. PROSECUTION, PROGRESS AND ACCEPTANCE OF THE WORK.....	GP-33
SECTION 7. RESPONSIBILITIES OF THE CONTRACTOR.....	GP-39
SECTION 8. FACILITIES FOR AGENCY PERSONNEL	GP-49
SECTION 9. MEASUREMENT AND PAYMENT	GP-50
SECTION 10. CONSTRUCTION AND DEMOLITION WASTE MANAGEMENT PLAN	GP-54
SECTION 11. ADDITIONAL TERMS	GP-61
SPECIAL PROVISIONS	
PART I: SPECIAL INSTRUCTIONS	
PART II: STANDARD AND SPECIAL TECHNICAL PROVISIONS	
APPENDIX I PROGRESS PAMENT REQUEST FORM	
APPENDIX II ADDITIONAL REQUIREMENTS FROM SOUTHERN CALIFORNIA EDISON	
APPENDIX III ADDITIONAL REQUIREMENTS FROM CHARTER	
APPENDIX IV ADDITIONAL REQUIREMENTS FROM FRONTER	

**NOTICE INVITING BIDS
FOR**

Undergrounding Utility Assessment District 4

Project number: U-01 Bid Number: 1222-20

NOTICE IS HEREBY GIVEN that the City of Manhattan Beach, California (“City”) invites sealed Bids for the Project. The City will receive such Bids at the City Clerk’s office, City Hall, 1400 Highland Avenue, Manhattan Beach, California 90266 up to 11:00 a.m. on October 24, 2019, at which time they will be publicly opened and read aloud.

All Bids must be made on the form furnished by the City. Each Bid must be submitted in a sealed envelope addressed to the City Clerk with the Project name and identification number typed or clearly printed on the lower left corner of the envelope. Bids must remain valid and shall not be subject to withdrawal for 140 calendar Days after the Bid opening date.

SCOPE OF WORK. The Project includes, without limitation, furnishing all necessary labor, materials, equipment and other incidental and appurtenant Work necessary to satisfactorily complete the Project, as more specifically described in the Contract Documents. This Work will be performed in strict conformance with the Contract Documents, permits from regulatory agencies with jurisdiction, and applicable regulations. The quantity of Work to be performed and materials to be furnished are approximations only, being given as a basis for the comparison of Bids. Actual quantities of Work to be performed may vary at the discretion of the City Engineer. There will be three Notices to Proceed establishing the total time for completion of the work, as follows:

Notice to Proceed #1 (Submittals):

The time for completion to provide submittals to the City for critical path items and materials is 10 total working days from the date specified in Notice to Proceed #1.

Notice to Proceed #2 (Materials Order and Delivery):

The time for completion to order the critical path items materials needed to complete the work is 10 working days from the date specified in Notice to Proceed #2; and an additional 40 working days is provided to receive all materials needed to commence the work.

Notice to Proceed #3 (Start of Construction):

The time for completion of the total contracted work is 160 days from the date specified in Notice to Proceed #3.

OBTAINING BID DOCUMENTS. Bidders may obtain free copies of the Plans, Specifications and other Contract Documents online by visiting <https://www.bidsync.com>.

MANDATORY PRE-BID MEETING. Two mandatory pre-bid meetings will be held on October 2, 2019 at 1:30 p.m. and on October 7, 2019 at 9:00 a.m. at the City Council Chambers, City Hall at 1400 Highland Ave., Manhattan Beach, CA 90266. Every Bidder is required to attend one of the two mandatory pre-bid meetings. Failure of a Bidder to attend a mandatory pre-bid meeting will render that Bidder’s Bid non-responsive.

OPTIONAL SITE VISIT. Site visits are recommended prior to submitting a Bid. No allowances for cost adjustments will be made if a Bidder fails to adequately examine the Project site before submitting a Bid.

DEADLINE FOR QUESTIONS. Bidder questions must be submitted before or by noon on October 15, 2019.

REGISTRATION WITH THE DEPARTMENT OF INDUSTRIAL RELATIONS. In accordance with Labor Code Sections 1725.5 and 1771.1, no contractor or subcontractor shall be qualified to bid on, be listed in a bid proposal, subject to the requirements of Section 4104 of the Public Contract Code, or engage in the performance of any contract for public work, unless currently registered and qualified to perform public work pursuant to Section 1725.5 [with limited exceptions for bid purposes only under Labor Code Section 1771.1(a)].

PREVAILING WAGES. In accordance with Labor Code Section 1770 *et seq.*, the Project is a “public work.” The selected Bidder (Contractor) and any Subcontractors shall pay wages in accordance with the determination of the Director of the Department of Industrial Relations (“DIR”) regarding the prevailing rate of per diem wages. Copies of those rates are on file with the Director of Public Works and are available to any interested party upon request. The Contractor shall post a copy of the DIR’s determination of the prevailing rate of per diem wages at each job site. This Project is subject to compliance monitoring and enforcement by the DIR.

BONDS. Each Bid must be accompanied by a cash deposit, cashier’s check, certified check or Bidder’s Bond issued by a Surety insurer, made payable to the City and in an amount not less than ten percent of the total Bid submitted. Personal or company checks are not acceptable. Upon Contract award, the Contractor shall provide faithful performance and payment Bonds, each in a sum equal to the Contract Price, as well as a warranty or maintenance Bond that is valid for one year from Project acceptance in the amount of ten percent of the Contract Price. All Bonds must be issued by a California admitted Surety insurer using the forms set forth in the Contract Documents, or in any other form approved by the City Attorney. Failure to enter into the Contract with the City, including the submission of all required Bonds and insurance coverages, within ten calendar days after the date of the mailing of written notice of contract award to the Bidder, shall subject the Bid security to forfeiture to the extent provided by law.

LICENSES. Each Bidder shall possess a valid Class A Contractor’s license issued by the California State Contractors License Board at the time of the Bid submission, unless this Project has any federal funding, in which case the successful Bidder must possess such a license at the time of Contract award. The successful Contractor must also possess a current City business license.

RETENTION SUBSTITUTION. Five percent of any progress payment will be withheld as retention. In accordance with Public Contract Code Section 22300 and at the request and expense of the Contractor, securities equivalent to the amount withheld may be deposited with the City or with a State or federally chartered bank as escrow agent, which shall then pay such moneys to the Contractor. Upon satisfactory completion of the Project, the securities shall be returned to the Contractor. Alternatively, the Contractor may request that the City make payments of earned retentions directly to an escrow agent at the Contractor’s expense. No such substitutions shall be accepted until all related documents are approved by the City Attorney.

BIDDING PROCESS. The City reserves the right to reject any Bid or all Bids, and to waive any irregularities or informalities in any Bid or in the bidding, as deemed to be in its best interest.

By: _____
Prem Kumar, City Engineer

Date

INSTRUCTIONS TO BIDDERS

FORM OF BID. Bids shall be made on the Bid forms found herein. Bidders shall include all forms and fill in all blank spaces, including inserting "N/A" (for not applicable) where necessary. The Bid shall be enclosed in a sealed envelope bearing the Bidder's name and the Project name and identification number as described in the Notice Inviting Bids.

Any Bid not accompanied by a Contractor's Statement completed with all information required and bearing the signature of the Bidder's duly authorized representative under penalty of perjury may be deemed non-responsive and rejected. If the City determines that any information provided by a Bidder in the Contractor's Statement is false or misleading, or is so incomplete as to be false or misleading, the City may reject the Bid submitted by such Bidder as being non-responsive.

DELIVERY OF BIDS. The Bid shall be delivered by the time and date and to the place specified in the Notice Inviting Bids. No oral, faxed, emailed, or telephonic Bids or alternatives will be considered. Bidders are solely responsible for ensuring that their Bids are received in proper time, and Bidders assume all risks arising out of their chosen means of delivery. Any Bid received after the Bid submission deadline shall be returned unopened. Bidders are invited to be present for Bid opening. Accepted Bids shall become the property of the City.

AMENDED BIDS. Unauthorized conditions, limitations or provisos attached to a Bid may cause the Bid to be deemed incomplete and non-responsive.

WITHDRAWAL OF BID. A Bid may be withdrawn without prejudice upon written request by the Bidder filed with the City Clerk before the Bid submission deadline. Bids must remain valid and shall not be subject to withdrawal for 140 Days after the Bid opening date.

BIDDER'S SECURITY. Each Bid shall be accompanied by cash, a certified or cashier's check payable to the City, or a satisfactory Bid Bond in favor of the City executed by the Bidder as principal and an admitted surety insurer as Surety, in an amount not less than ten percent of the amount set forth in the Bid. The cash, check or Bid Bond shall be given as a guarantee that, if selected, the Bidder will execute the Contract in conformity with the Contract Documents, and will provide the evidence of insurance and furnish the specified Bonds, within ten calendar days after the date of delivery of the Contract Documents to the Bidder. In case of the Bidder's refusal or failure to do so, the City may award the Contract to the next lowest responsible bidder, and the cash, check, or Bond (as applicable) of the lowest Bidder shall be forfeited to the City to the extent permitted by law. No Bid Bond will be accepted unless it conforms substantially to the form provided in these Contract Documents.

QUANTITIES APPROXIMATE. Any quantities shown in the Bid form or elsewhere herein shall be considered as approximations listed to serve as a general indication of the amount of Work or materials to be performed or furnished, and as basis for the Bid comparison. The City does not guarantee that the actual amounts required will correspond with those shown. As deemed necessary or convenient, the City may increase or decrease the amount of any item or portion of Work or material to be performed or furnished or omit any such item or portion, in accordance with the Contract Documents.

ADDENDA. The City Engineer may, from time to time, issue Addenda to the Contract Documents. The City shall post all documents to the City's website at <http://www.ci.manhattan-beach.ca.us> or <https://www.citymb.info>. The Addenda may also be posted to BidSync at

<https://www.bidsync.com>. Bidders are responsible for ensuring that they have received any and all Addenda. It is the Bidder's responsibility to actively check BidSync and/or the City's website for Addenda or bulletin updates. Each Bidder is responsible for verifying that it has received all Addenda issued. Bidders must acknowledge receipt of all Addenda, if any, using the Addenda Acknowledgement Form included in these Bid Documents. Failure to acknowledge receipt of all Addenda may cause a Bid to be deemed incomplete and non-responsive.

DISCREPANCIES IN BIDS. Each Bidder shall set forth as to each item of Work, in clearly legible words and figures, a unit or line item Bid amount for the item in the respective spaces provided for this purpose.

In case of discrepancy between the unit price and the extended amount set forth for the item, the unit price shall prevail. However, if the amount set forth as a unit price is ambiguous, unintelligible or uncertain for any cause, or is omitted, or if the unit price is the same amount as the entry in the "extended amount" column, then the amount set forth in the "extended amount" column for the item shall prevail in accordance with the following:

- (1) As to lump sum items, the amount set forth in the "extended amount" column shall be the unit price.
- (2) As to unit price items, the amount set forth in the "extended amount" column shall be divided by the estimated quantity for the item set forth in the Bid documents, and the price thus obtained shall be the unit price.

In case of discrepancy between words and figures, the words shall prevail.

COMPETENCY OF BIDDERS. In evaluating Bidder responsibility, consideration will be given not only to the financial standing, but also to the general competency of the Bidder for the performance of the Project. Each Bidder shall set forth in the designated area of the Bid form a statement of its experience. No Contract will be executed with a Bidder that is not licensed and registered with the DIR in accordance with State law, and with any applicable specific licensing requirements specified in these Contract Documents. These licensing and registration requirements for Contractors shall also apply to all Subcontractors.

BIDDER'S EXAMINATION OF SITE AND CONTRACT DOCUMENTS. The Bidder, at its sole cost and expense, is required to carefully examine the Contract Documents and the Project site to become fully acquainted with the conditions affecting the Work. The failure of a Bidder to receive or examine any of the Contract Documents or to inspect the site shall not relieve such Bidder from any obligation relating to the Bid, the Contract, or the Work required under the Contract Documents. The City assumes no responsibility or liability to any Bidder for, nor shall the City be bound by, any understandings, oral representations or oral agreements of the City's agents, employees or officers concerning the Contract Documents or the Work made prior to execution of the Contract. By submitting a Bid, Bidder represents:

- (1) That Bidder has read and understands the Contract Documents;
- (2) The Bid is made in compliance with the Contract Documents and is based upon the labor, materials, equipment, and systems required by the Contract Documents;
- (3) That Bidder understands that all labor, materials, equipment, and systems to be furnished for the Work shall be furnished for the prices bid;

- (4) That it has visited the Project site, familiarized itself with the local conditions under which the Work is to be performed;
- (5) That it is fully experienced, qualified and competent to perform the Work set forth in the Contract Documents;
- (6) That it shall not damage or endanger and shall preserve and protect adjacent properties;
- (7) That it is properly equipped, organized, and financed to perform the Work;
- (8) That it is properly permitted and licensed by the California Contractors State Licensing Board to perform the Work;
- (9) That it has familiarized itself with all conditions bearing upon transportation, disposal, handling, and storage of materials;
- (10) That it has familiarized itself with the availability of labor, water, electric power, and roads;
- (11) That it has familiarized itself with uncertainties of weather, or similar physical conditions at the Project site;
- (12) That it has familiarized itself with the character of equipment and facilities needed preliminary to and during performance of the Work;
- (13) That it has familiarized itself with the staging and material storage constraints of the Project site and surrounding buildings and will confine its staging and storage operations to approved areas; and
- (14) That it will coordinate its construction activities with the other contractors performing work on the Project site, if any, including, but not limited to, any separate contractor retained by the City.

No information derived from an inspection of records or investigation will in any way relieve the Contractor from its obligations under the Contract Documents nor entitle the Contractor to any additional compensation. The Contractor shall not make any claim against the City based upon ignorance or misunderstanding of any condition of the Project site or of the requirements set forth in the Contract Documents. No claim for additional compensation will be allowed which is based on a lack of knowledge of the above items. Bidders assume all risks in connection with performance of the Work in accordance with the Contract Documents, regardless of actual conditions encountered, and waive and release the City with respect to any and all claims and liabilities in connection therewith, to the extent permitted by law.

The omission of any portion or item of Work from the Bid that is reasonably inferable from the Contract Documents is not a basis for adjustment of the Contract Price or the Contract Time.

DISQUALIFICATION OF BIDDERS. No Person shall be allowed to make, file or be interested in more than one Bid for the Project. A Person that has submitted a sub-bid to a Bidder, or that has quoted prices of materials to a Bidder, is not thereby disqualified from submitting a sub-proposal

or quoting prices to other Bidders or from making a prime Bid. If there is a reason to believe that collusion exists among the Bidders, all affected Bids will be rejected.

RETURN OF BID SECURITY. The successful Bidder's Bid security shall be held until the Contract is executed. Bid security shall be returned to the unsuccessful Bidders within a reasonable time, which in any case shall not exceed 140 Days after the successful Bidder has signed the Contract.

AWARD OF CONTRACT. The City reserves the right to reject any or all Bids or any parts thereof or to waive any irregularities or informalities in any Bid or in the bidding. The Contract award, if made, will be to the lowest responsible, responsive Bidder and is anticipated to occur within 140 calendar Days after the Bid opening. The Contract award may be made after that period if the selected Bidder has not given the City written notice of the withdrawal of its Bid.

TRENCHING. If the Project involves the construction of a pipeline, conduit, sewer, sewage disposal system, boring and jacking pits, or similar trenches or open excavations, which are five feet deep or more, then each Bidder must submit, as a Bid item, adequate sheeting, shoring, and bracing, or an equivalent method, for the protection of life or limb, which shall conform to applicable safety orders. This final submission must be accepted by the City in advance of excavation and must include a detailed plan showing the design of shoring, bracing, sloping, or other provisions to be made for worker protection from caving ground during the excavation Work. If such plan varies from the shoring system standards, the plan shall be prepared by a registered civil or structural engineer.

LISTING SUBCONTRACTORS. Each Bidder shall submit a list of the proposed Subcontractors on the Project, as required by the Subletting and Subcontracting Fair Practices Act (Public Contract Code Section 4100, *et seq.*).

WORK OF SUBCONTRACTORS. All Bidders are encouraged to disseminate all of the Specifications, Drawings, and other Contract Documents to all persons or entities submitting sub-bids to the Bidder.

INELIGIBLE SUBCONTRACTORS. The successful Bidder is prohibited from performing Work on the Project with any Subcontractor who is ineligible to perform work on a public works project pursuant to Sections 1777.1 or 1777.7 of the California Labor Code. By submitting a Bid, each Bidder certifies that it has investigated the eligibility of each and every listed Subcontractor and has determined that none is ineligible to perform Work pursuant to the Labor Code.

EXECUTION OF CONTRACT. The selected Bidder shall execute the Contract in the form included in these Contract Documents within ten calendar days from the date of delivery of the Contract Documents to the Bidder. Additionally, the selected Bidder shall also secure all insurance and Bonds as herein specified, and provide copies to the City, within ten calendar days from the date of delivery of the Contract Documents to the Bidder. Failure or refusal to execute the Contract or to conform to any of the stipulated requirements shall be just cause for the annulment of the award and forfeiture of the Bidder's security. In such event, the City may declare the Bidder's security forfeited to the extent permitted by law, and the City may award the Contract to the next lowest responsible Bidder or may reject all bids.

SIGNATURES. The Bidder shall execute all documents requiring signatures, and shall cause to be notarized all documents that indicate such a requirement. The Bidder shall provide evidence satisfactory to the City, such as an authenticated resolution of its board of directors or a power of

attorney, indicating the capacity of the person(s) signing the Bid to bind the Bidder to the Bid and any Contract arising therefrom.

INSURANCE AND BONDS. The Contractor shall not begin Work until it has given the City evidence of all required insurance coverage (including all additional insured endorsements), a Bond guaranteeing the Contractor's faithful performance of the Contract, and a Bond securing the payment of claims for labor and materials. Where a Contractor has entered into an agreement with a Professional Employment Organization (PEO) to provide human resources, workers' compensation insurance, or other benefits to the Contractor's employees, the Contractor must also submit the agreement with the PEO for review by the City.

TELEPHONES. Bidders are hereby notified that the City will not provide telephones for their use at the time of Bid submission.

INTERPRETATION OF CONTRACT DOCUMENTS. Any Bidder that is in doubt as to the intended meaning of any part of the Contract Documents, or that finds discrepancies in or omissions from the Contract Documents, may submit to the City Engineer a written request for an interpretation or correction not later than five Working Days before the Bid submission deadline. Requests for clarification received after this date will be disregarded. Please indicate the Project and identification number in the request for clarification. Telephonic requests will not be taken. Any interpretation or correction of the Contract Documents will be made only by a written Addendum. No oral interpretation of any provision in the Contract Documents shall be binding.

TRADE NAMES OR EQUALS. Requests to substitute an equivalent item for a brand or trade name item must be made by written request submitted no later than 14 calendar days before the Bid submission deadline. Requests received after this time shall not be considered. Requests shall clearly describe the product for which approval is requested, including all data necessary to demonstrate acceptability.

TAXES. Except as may be otherwise specifically provided herein, all sales and/or use taxes assessed by federal, State or local authorities on materials used or furnished by the Contractor in performing the Work shall be paid by the Contractor. The Bidder shall calculate payment for all sales, unemployment, pension and other taxes imposed by federal, State, and local law and shall include these payments in computing the Bid.

CHECKLIST FOR BIDDERS

The following information is required of all Bidders at the time of Bid submission:

- _____ Completed and Signed Bid Schedule, including cover sheet (page B-1)
- _____ Completed and Signed Contractor's Statement
- _____ Completed References Form
- _____ Completed Subcontractor Designation Form
- _____ Completed, Signed and Notarized Bid Bond or Other Security Form
- _____ Signed and Notarized Noncollusion Declaration Form
- _____ Completed and Signed Addenda Acknowledgement Form
- _____ Evidence satisfactory to the City indicating the capacity of the person(s) signing the Bid to bind the Bidder

Failure of the Bidder to provide all required information in a complete and accurate manner may cause the Bid to be considered non-responsive.

BID

CITY OF MANHATTAN BEACH

UNDERGROUNDING UTILITY ASSESSMENT DISTRICT 4

TO THE HONORABLE MAYOR AND CITY COUNCIL OF THE CITY OF MANHATTAN BEACH:

The undersigned, as Bidder, declares that: (1) this Bid is made without collusion with any other person and that the only persons or parties interested as principals are those named herein; (2) the undersigned has carefully examined the Contract Documents (including all Addenda) and the Project site; and (3) the undersigned has investigated and is satisfied as to the conditions to be encountered, the character, quality and quantities of Work to be performed, and the materials to be furnished. Furthermore, the undersigned agrees that submission of this Bid shall be conclusive evidence that such examination and investigation have been made and agrees, in the event the Contract be awarded to it, to execute the Contract with the City of Manhattan Beach to perform the Project in accordance with the Contract Documents in the time and manner therein prescribed, and to furnish or provide all materials, labor, tools, equipment, apparatus and other means necessary so to do, except as may otherwise be furnished or provided under the terms of the Contract Documents, for the following stated unit prices or lump-sum price as submitted on the Bid herein.

This Bid is made with the full knowledge of the kind, quantity, and quality of the materials and Work required and, if it is accepted by the City, the Bidder shall enter into a Contract and furnish the bonds, insurance, and other documents as required by the Contract Documents within ten calendar days after award of the Contract. The Bidder agrees that failure to execute and return the Contract or the required faithful performance bond, labor and materials payment bond, warranty bond, and insurance certificates to the City within the ten calendar day period shall be sufficient cause for the rescission of the award and forfeiture of the Bid Security to the City to the extent permitted by law.

Accompanying this Bid is cash, a cashier's check, a certified check or a Bid Bond in an amount equal to at least ten percent of the total aggregate Bid price based on the quantities shown and the unit prices quoted. The undersigned further agrees that, should it be awarded the Contract and thereafter fail or refuse to execute the Contract and provide the required evidence of insurance and Bonds within ten calendar days after delivery of the Contract to the undersigned, then the cash, check or Bid Bond shall be forfeited to the City to the extent permitted by law.

CITY OF MANHATTAN BEACH

BID SCHEDULE FOR

UNDERGROUNDING UTILITY ASSESSMENT DISTRICT 4

Bidder's Name: _____

Bidder's Address: _____

To the Honorable Mayor and Members of the City Council:

In compliance with the Notice Inviting Bids, the undersigned hereby agrees to execute the Contract to furnish all labor, materials, equipment and supplies for the Project in accordance with the Contract Documents to the satisfaction and under the direction of the City Engineer, at the following prices:

Base Bid Items as Follows:

BID SCHEDULE:

ITEM NO.	CODE	DESCRIPTION	UNIT	ESTIMATED QUANTITY	UNIT PRICES	EXTENDED AMOUNT
1		Mobilization (5% maximum of Total Bid Price)	LS	%	\$	\$
2	S	Traffic Control (5% maximum of Total Bid Price)	LS	%	\$	\$
3		Undergrounding Utilities Complete	LS	%	\$	\$
4		Utility Coordinator/ Coordination	LS	%	\$	\$
5	F,S	Survey Monument Replacemetn	LS	Complete	\$	\$
6	S	Caltrans Coordination for Work and Traffic Control within Caltrans Right-of-Way	LS	Complete	\$	\$

ITEM NO.	CODE	DESCRIPTION	UNIT	ESTIMATED QUANTITY	UNIT PRICES	EXTENDED AMOUNT
7	S	Caltrans Permit Fees for Work and Traffic Control within Caltrans Right-of-Way	EA	1	\$10,000.00	\$10,000.00
8	F	Crushed Conduit Repair per Location for All Depths	EA	10	\$	\$
TOTAL BID SCHEDULE:						\$ _____

NOTE: Estimated quantities are for the purpose of Bid comparison only; payments will be made on the basis of actual measurement of Work completed, except for lump sum (LS) and final pay (F) quantities. (S) denotes a specialty item. (F) and (S) will be specified in the "Code" Column. The Bid Price shall include, but not limited to, sales tax and all other applicable taxes and fees. See also Section 9-2 of the General Provisions.

NOTE: Items may be adjusted or deleted. Therefore, regardless of total actual volume (percentage) compared to estimated quantities, the unit prices provided above by the Bidder shall be applied to the final quantity when payment is calculated for these items. No adjustment in the unit prices will be allowed. The City reserves the right to not use any of the estimated quantities; and if this right is exercised, the Contractor will not be entitled to any additional compensation. Cost of all export of material shall be included in the above unit costs; no additional compensation will be granted for such expenses.

TOTAL BID PRICE IN DIGITS: \$ _____

TOTAL BID PRICE IN WORDS: _____

The undersigned certifies to have a minimum of three consecutive years of current experience in the type of Work related to the Project and that this experience is in actual operation of the firm with permanent employees performing a part of the Work as distinct from a firm operating entirely by subcontracting all phases of the Work. The undersigned also certifies to be properly licensed by the State as a contractor to perform this type of Work. The undersigned possesses California Contractor's License

Number _____, Class _____, which expires on _____.

Signature: _____ Title: _____ Date: _____

Signature: _____ Title: _____ Date: _____

BIDDER'S PROPOSAL – CONTRACTOR'S STATEMENT
UNDERGROUNDING UTILITY ASSESSMENT DISTRICT 4

Fill out all of the following information. Attach additional sheets if necessary.

- (1) Bidder's Name: _____

- (2) If the Bidder's name is a fictitious name, who or what is the full name of the registered owner? If the Bidder's name is not a fictitious name, write "N/A" in the response to this question. If you are doing business under a fictitious name, provide a copy of the filed valid Fictitious Business Name Statement.

- (3) Business Address: _____

- (4) Telephone: _____ Email: _____

- (5) Type of Firm – Individual, Partnership, LLC or Corporation: _____

- (6) Corporation organized under the laws of the State of: _____

- (7) California State Contractor's License Number and Class: _____
Original Date Issued: _____ Expiration Date: _____

- (8) DIR Contractor Registration Number: _____

- (9) List the name and title of the person(s) who inspected the Project site for your firm:

- (10) Number of years experience the company has as a contractor in construction work: _____

- (11) List the names, titles, addresses and telephone numbers of all individuals, firm members, partners, joint venturers, and company or corporate officers having a principal interest in this Bid:

- (12) List all current and prior D.B.A.'s, aliases, and fictitious business names for any principal having interest in this Bid:

(13) List the dates of any voluntary or involuntary bankruptcy judgments against any principal having an interest in this Bid:

(14) For all arbitrations, lawsuits, settlements and the like (in or out of court) that the company or any principal having an interest in this Bid has been involved with in the past five years:

a. List the names, addresses and telephone numbers of contact persons for the parties:

b. Briefly summarize the parties' claims and defenses:

c. State the tribunal (e.g., Superior Court, American Arbitration Association, etc.), the matter number, and the outcome:

(15) Has the company or any principal having an interest in this Bid ever had a contract terminated by the owner or agency? If yes, explain.

(16) Has the company or any principal having an interest in this Bid ever failed to complete a project? If yes, explain.

(17) Has the company or any principal having an interest in this Bid ever been terminated for cause, even if it was converted to a "termination of convenience"? If yes, explain.

(18) For projects that the company or any principal having an interest in this Bid has been involved with in the last five years, did you have any claims or actions:

- a. By you against the owner? Circle one: Yes No
- b. By the owner against you? Circle one: Yes No
- c. By any outside agency or individual for labor compliance?
Circle one: Yes No
- d. By Subcontractors? Circle one: Yes No
- e. Are any of these claims or actions unresolved or outstanding?
Circle one: Yes No

If your answer is "yes" to any part or parts of this question, explain.

(19) Has the company or any of its principals ever been debarred by any agencies? Is yes, please explain.

(21) For all public agency projects in excess of \$15,000.00 that you are currently working on or have worked on in the past two years, provide the following information:

Project 1 Name/Number _____

Project Description _____

Approximate Construction Dates From: _____ To: _____

Agency Name: _____

Contact Person: _____ Telephone: _____

Address: _____

Original Contract Amount: \$_____ Final Contract Amount: \$_____

If final amount is different from original amount, please explain (change orders, extra work, etc.).

Did you or any Subcontractor, file any claims against the Agency?

Circle one: Yes No

Did the Agency file any claims against you? Circle one: Yes No

If you answered yes to either of the above two questions, please explain and indicate outcome of claims.

Project 2 Name/Number _____

Project Description _____

Approximate Construction Date From: _____ To: _____

Agency Name: _____

Contact Person: _____ Telephone: _____

Address: _____

Original Contract Amount: \$_____ Final Contract Amount: \$_____

If final amount is different from original amount, please explain (change orders, extra work, etc.).

Did you or any Subcontractor, file any claims against the Agency?
Circle one: Yes No

Did the Agency file any claims against you? Circle one: Yes No

If you answered yes to either of the above two questions, please explain and indicate outcome of claims.

Project 3 Name/Number _____

Project Description _____

Approximate Construction Dates From: _____ To: _____

Agency Name: _____

Contact Person: _____ Telephone: _____

Address: _____

Original Contract Amount: \$_____ Final Contract Amount: \$_____

If final amount is different from original amount, please explain (change orders, extra work, etc.).

Did you or any Subcontractor, file any claims against the Agency?
Circle one: Yes No

Did the Agency file any claims against you? Circle one: Yes No

If you answered yes to either of the above two questions, please explain and indicate outcome of claims.

Project 4 Name/Number _____

Project Description _____

Approximate Construction Dates From: _____ To _____

Agency Name: _____

Contact Person: _____ Telephone: _____

Address: _____

Original Contract Amount: \$_____ Final Contract Amount: \$_____

If final amount is different from original amount, please explain (change orders, extra work, etc.).

Did you or any Subcontractor, file any claims against the Agency?

Circle one: Yes No

Did the Agency file any claims against you? Circle one: Yes No

If you answered yes to either of the above two questions, please explain and indicate outcome of claims.

Project 5 Name/Number _____

Project Description _____

Approximate Construction Dates From: _____ To: _____

Agency Name: _____

Contact Person: _____ Telephone: _____

Address: _____

Original Contract Amount: \$_____ Final Contract Amount: \$_____

If final amount is different from original amount, please explain (change orders, extra work, etc.).

Did you or any Subcontractor, file any claims against the Agency?

Circle one: Yes No

Did the Agency file any claims against you? Circle one: Yes No

If you answered yes to either of the above two questions, please explain and indicate outcome of claims.

Project 6 Name/Number _____

Project Description _____

Approximate Construction Dates From: _____ To: _____

Agency Name: _____

Contact Person: _____ Telephone: _____

Address: _____

Original Contract Amount: \$ _____ Final Contract Amount: \$ _____

If final amount is different from original amount, please explain (change orders, extra work, etc.).

Did you or any Subcontractor, file any claims against the Agency?

Circle one: Yes No

Did the Agency file any claims against you? Circle one: Yes No

If you answered yes to either of the above two questions, please explain and indicate outcome of claims.

[Continue to Next Page]

Upon request of the City, the Bidder shall furnish evidence showing a notarized financial statement, financial data, construction experience, or other additional information.

Failure to provide truthful answers to the questions above or in the following References Form may result in the Bid being deemed non-responsive.

Urban Runoff Certification. The Bidder certifies to the City that he/she has trained his/her employees and Subcontractors, if any, for Urban Runoff management and has included sufficient sums in the Bid Price to cover such costs of training as stipulated in the most current Regional Water Quality Control Board requirements, including the Municipal Separate Storm Sewer System NPDES Permit. The Contractor is responsible for all clean up and payment of all fines levied as a result of any illegal discharge (as defined in NPDES permit) occurring as a result of the Contractor's Work and/or operations.

I, the undersigned, certify and declare that I have read all the foregoing answers to the Bidder's Proposal – Contractor's Statement and know their contents. The matters stated in the Bidder's Proposal – Contractor's Statement answers are true of my own knowledge and belief, except as to those matters stated on information and belief, and as to those matters I believe them to be true. I declare under penalty of perjury under the laws of the State of California that the foregoing is correct.

Company

Signature: _____

Name: _____

Title: _____

Date: _____

Signature: _____

Name: _____

Title: _____

Date: _____

DESIGNATION OF SUBCONTRACTORS
[Public Contract Code Section 4104]

UNDERGROUNDING UTILITY ASSESSMENT DISTRICT 4

List all Subcontractors who will perform Work or labor or render service to the Contractor in or about the construction of the Work or improvement, or a Subcontractor licensed by the State of California who, under subcontract to the Contractor, specially fabricates and installs a portion of the Work or improvement according to detailed drawings contained in the Plans and Specifications, in an amount in excess of one-half percent of the Contractor's total Bid or, in the case of bids or offers for the construction of streets or highways, including bridges, in excess of one-half percent of the Contractor's total Bid or \$10,000.00, whichever is greater. If all Subcontractors do not fit on this page, attach another page listing all information for all other Subcontractors.

Name under which Subcontractor is Licensed and Registered	CSLB License Number(s) and Class(es)	DIR Contractor Registration Number	Address and Phone Number	Type of Work (e.g., Electrical)	Percentage of Total Bid (e.g., 10%)*

*The percentage of the total Bid shall represent the "portion of the work" for the purposes of Public Contract Code Section 4104(b).

BID BOND

UNDERGROUNDING UTILITY ASSESSMENT DISTRICT 4

KNOW ALL PERSONS BY THESE PRESENTS that:

WHEREAS the City of Manhattan Beach ("City"), has issued an invitation for Bids for the Work described as follows: _____

WHEREAS _____
(Name and address of Bidder)

("Principal"), desires to submit a Bid to City for the Work.

WHEREAS, Bidders are required to furnish a form of Bidder's security with their Bids.

NOW, THEREFORE, we, the undersigned Principal, and _____

(Name and address of Surety)

("Surety"), a duly admitted surety insurer under the laws of the State of California, as Surety, are held and firmly bound unto the City in the penal sum of _____ Dollars (\$_____), being not less than ten percent of the total Bid price, in lawful money of the United States of America, for the payment of which sum well and truly to be made, we bind ourselves, our heirs, executors, administrators, successors, and assigns, jointly and severally, firmly by these presents.

THE CONDITION OF THIS OBLIGATION IS SUCH THAT, if the hereby bounded Principal is awarded the Contract for the Work by the City and, within the time and in the manner required by the bidding specifications, enters into the written form of Contract included with the bidding specifications, furnishes the required Bonds (one to guarantee faithful performance and the other to guarantee payment for labor and materials), and furnishes the required insurance coverage, then this obligation shall become null and void; otherwise, it shall be and remain in full force and effect.

In case suit is brought upon this instrument, Surety further agrees to pay all court costs incurred by the City in the suit and reasonable attorneys' fees in an amount fixed by the court. Surety hereby waives the provisions of Civil Code Section 2845.

IN WITNESS WHEREOF, this instrument has been duly executed by Principal and Surety, on the date set forth below, the name of each corporate party being hereto affixed and these presents duly signed by its undersigned representative(s) pursuant to authority of its governing body.

Dated: _____

“Principal”

Name: _____

Address: _____

Telephone No.: _____

Signature: _____

Print Name: _____

Title: _____

Date: _____

Signature: _____

Print Name: _____

Title: _____

Date: _____

“Surety”

Company Name: _____

Address: _____

Telephone No.: _____

Signature: _____

Print Name: _____

Title: _____

Date: _____

NOTE: *This Bond must be dated, all signatures must be notarized, and evidence of the authority of any person signing as attorney-in-fact must be attached.*

**NONCOLLUSION DECLARATION FORM
TO BE EXECUTED BY BIDDER AND SUBMITTED WITH BID
[Public Contract Code Section 7106]**

UNDERGROUNDING UTILITY ASSESSMENT DISTRICT 4

The undersigned declares:

I am the _____ of _____, the party making the foregoing Bid.

The Bid is not made in the interest of, or on behalf of, any undisclosed person, partnership, company, association, organization, or corporation. The Bid is genuine and not collusive or sham. The Bidder has not directly or indirectly induced or solicited any other Bidder to put in a false or sham Bid. The Bidder has not directly or indirectly colluded, conspired, connived, or agreed with any Bidder or anyone else to put in a sham Bid, or to refrain from bidding. The Bidder has not in any manner, directly or indirectly, sought by agreement, communication, or conference with anyone to fix the Bid price of the Bidder or any other Bidder, or to fix any overhead, profit, or cost element of the Bid price, or of that of any other Bidder. All statements contained in the Bid are true. The Bidder has not, directly or indirectly, submitted his or her Bid price or any breakdown thereof, or the contents thereof, or divulged information or data relative thereto, to any corporation, partnership, company, association, organization, Bid depository, or to any member or agent thereof, to effectuate a collusive or sham Bid, and has not paid, and will not pay, any Person or entity for such purpose.

Any person executing this declaration on behalf of a Bidder that is a corporation, partnership, joint venture, limited liability company, limited liability partnership, or any other entity, hereby represents that he or she has full power to execute, and does execute, this declaration on behalf of the Bidder.

I declare under penalty of perjury under the laws of the State of California that the foregoing is true and correct and that this declaration is executed on _____ [date], at _____ [city], _____ [state].

Signature: _____ Signature: _____

Printed Name: _____ Printed Name: _____

Date: _____ Date: _____

This form must be notarized.

ADDENDA ACKNOWLEDGMENT FORM

UNDERGROUNDING UTILITY ASSESSMENT DISTRICT 4

Bidder's Name: _____

The Bidder shall signify receipt of all Addenda here, if any:

Addendum Number	Date Received	Signature

If there are more Addenda than there is room in the chart above, attach another page acknowledging receipt of the Addenda.

CITY OF MANHATTAN BEACH
PROJECT SCHEDULE OF VALUES FOR
UNDERGROUNDING UTILITY ASSESSMENT DISTRICT 4

Bidder's Name: _____

Lowest bidder shall submit within seven (7) calendar days after bid opening.

ITEM	VALUE
------	-------

ITEM NO. 1 – MOBILIZATION	
Mobilization	\$
\$ Total for Section:	\$
% of Contract:	%

ITEM NO. 2 – TRAFFIC CONTROL	
Traffic Control	\$
\$ Total for Section:	\$
% of Contract:	%

ITEM NO. 3 – UNDERGROUNDING UTILITIES COMPLETE	
Trench (Less than 3 ft): 1 Utility	\$
Trench (Less than 3 ft): 2 Utilites	\$
Trench (3 ft – 5 ft): 1 Utility	\$
Trench (3 ft – 5 ft): 2 Utilities	\$
Trench (3 ft – 5 ft): 3 Utilities	\$
Trench (Greater than 5 ft): 3 Utilities	\$
Structures: Hanhole (___" x ___" x ___")	\$
Structures: Hanhole (___" x ___" x ___")	\$
Structures: Hanhole (___" x ___" x ___")	\$
Structures: Hanhole (___" x ___" x ___")	\$

ITEM	VALUE
------	-------

ITEM NO. 3 – UNDERGROUNDING UTILITIES COMPLETE (CONTINUED)	
Structures: Hanhole (___" x ___" x ___")	\$
Structures: Pull Box (___" x ___" x ___")	\$
Structures: Pull Box (___" x ___" x ___")	\$
Structures: Pull Box (___" x ___" x ___")	\$
Structures: Vault (___' x ___' x ___')	\$
Structures: Vault (___' x ___' x ___')	\$
Structures: Vault (___' x ___' x ___')	\$
Structures: Vault (___' x ___' x ___')	\$
Conduit: Duct, ___"	\$
Conduit: Duct, ___"	\$
Conduit: Duct, ___"	\$
Conduit: Duct, ___"	\$
Conduit: Duct, ___"	\$
Paving – Permanent A/C	\$
Paving – Concrete Street	\$
Paving – Concrete Sidewalk	\$
Paving – Concrete Sidewalk, Stamped	\$
Paving – Sidewalk, Paver Stone	\$
Paving – Concrete Curb and Gutter	\$
Paving – Concrete Driveway/Driveway Approach	\$
	\$
	\$
	\$
	\$
\$ Total for Section:	\$
% of Contract:	%

ITEM	VALUE
------	-------

ITEM NO. 4 – UTILITY COORDINATOR/COORDINATION	
Utility Coordinator/Coordination	\$
\$ Total for Section:	\$
% of Contract:	%

ITEM NO. 5 – SURVEY MONUMENT REPLACEMENT	
Survey Monument Replacement	\$
\$ Total for Section:	\$
% of Contract:	%

ITEM NO. 6 – CALTRANS COORD. FOR WORK AND TRAFFIC CONTROL WITHIN CALTRANS RIGHT-OF-WAY	
Caltrans Coordination	\$
\$ Total for Section:	\$
% of Contract:	%

ITEM NO. 7 – CALTRANS PERMITTING FOR WORK AND TRAFFIC CONTROL WITHIN CALTRANS RIGHT-OF-WAY	
Caltrans Permit	\$
\$ Total for Section:	\$
% of Contract:	%

ITEM NO. 8 – CRUSHED CONDUIT REPAIR PER LOCATION FOR ALL DEPTHS	
Crushed Conduit Repair for All Depths	\$
\$ Total for Section:	\$
% of Contract:	%

ITEM	VALUE
------	-------

PROJECT TOTAL	
\$ Project Total:	\$
% of Contract:	100%

NOTE: Project Total must match Total Bid Price in Bid Schedule.

Signature: _____

Date: _____

Name: _____

Title: _____

CONTRACT

CITY OF MANHATTAN BEACH CONTRACT FOR UNDERGROUNDING UTILITY ASSESSMENT DISTRICT 4

THIS CONTRACT ("Contract") is made and entered this _____ day of _____, 20____ ("Effective Date"), by and between the CITY OF MANHATTAN BEACH, a California municipal corporation ("City") and _____, a _____ [Legal Form of Entity and state of formation, e.g., California corporation, limited partnership, limited liability company] ("Contractor"). The Contractor's California State Contractor's license number is _____.

In consideration of the mutual covenants hereinafter set forth, the parties hereto agree as follows:

1. Contract Documents. The Contract Documents consist of this Contract, the Notice Inviting Bids, Instructions to Bidders, Bid (including documentation accompanying the Bid and any post-Bid documentation submitted before the Notice of Award), the Bonds, permits from regulatory agencies with jurisdiction, General Provisions, Special Provisions, Plans, Standard Plans, Standard Specifications, Reference Specifications, Addenda, Change Orders, and Supplemental Agreements. The Contract Documents are attached hereto and incorporated herein by reference.

2. Scope of Services. The Contractor shall perform and provide all materials, tools, equipment, labor, and services necessary to complete the Work in a good and workmanlike manner for the project identified as Undergrounding Utility Assessment District 4 ("Project"), as described in the Contract Documents.

3. Compensation.

3.1 Contract Price and Basis for Payment. In consideration for the Contractor's full, complete, and timely performance of the Work required by the Contract Documents, the City shall pay the Contractor for the actual quantity of Work required under the Bid Items awarded by the City performed in accordance with the lump sum prices and unit prices for Bid Items, set forth in the Bidder's Proposal submitted with the Bid. The sum of the unit prices and lump sum prices for the Bid Items, awarded by the City is \$_____ ("Contract Price"). It is understood and agreed that the quantities set forth in the Bidder's Proposal for which unit prices are fixed are estimates only and that the City will pay and the Contractor will accept, as full payment for these items of work, the unit prices set forth in the Bidder's Proposal multiplied by the actual number of units performed, constructed, or completed as directed by the Engineer.

3.2 Payment Procedures. Based upon applications for payment submitted by the Contractor to the City, the City shall make payments to the Contractor in accordance with Section 9 of the Standard Specifications, as modified by Section 9 of the General Provisions.

4. Contract Time.

4.1 Notice to Proceed #1. The City shall issue the "Notice to Proceed #1 (Submittals). The time for completion to provide submittals to the City for critical path items and materials is 10 total working days from the date specified in Notice to Proceed #1.

4.2 Notice to Proceed #2 (Materials Order and Deliver). The time for completion to order the critical path items materials needed to complete the work is 10 working days from the

date specified in Notice to Proceed #2; and an additional 40 working days is provided to receive all materials needed to commence the work.

The Notice to Proceed #2 shall further specify that the Contractor must complete the preconstruction requirements including, but are not limited to, the following:

- Submitting and obtaining approval of Traffic Control Plans
- Submitting and obtaining approval of the Stormwater Pollution Prevention Plan (SWPPP)/Water Pollution Control Plan (WPCP)
- Submitting and obtaining approval of critical required submittals
- Installation of the approved Project Identification Signs
- Obtaining an approved no fee Right-of-Way Permit
- Notifying all agencies, utilities, residents, etc., as outlined in the Contract Documents

4.3 Notice to Proceed #3 (Start of Construction). After all preconstruction requirements are met and materials have been ordered in accordance with the Notice to Proceed #1 and Notice to Proceed #2, the City shall issue the "Notice to Proceed #3," at which time the Contractor shall diligently prosecute the Work, including corrective items of Work, day to day thereafter, within the remaining Contract Time. The time for completion of the total contracted work is 160 days from the date specified in Notice to Proceed #3.

5. Liquidated Damages for Delay and Control of Work.

5.1 Liquidated Damages. The Contractor and the City have agreed to liquidate damages pursuant to Section 6-9 of the General Provisions.

6. Early Completion.

6.1 City Not Liable for Contractor Failure to Achieve Early Completion. While the Contractor may schedule completion of all of the Work, or portions thereof, earlier than the Contract Time, the City is exempt from liability for and the Contractor will not be entitled to an adjustment of the Contract Sum or to any additional costs, damages, including, but not limited to, claims for extended general conditions costs, home office overhead, jobsite overhead, and management or administrative costs, or compensation whatsoever, for use of float time or for the Contractor's inability to complete the Work earlier than the Contract Time for any reason whatsoever.

7. Work after Stop Work Notice. Any work completed by the Contractor after the issuance of a Stop Work Notice by the City shall be rejected and/or removed and replaced as specified in the applicable Section of the Special Provisions.

8. Antitrust Claims. In entering into this Contract, the Contractor offers and agrees to assign to the City all rights, title, and interest in and to all causes of action it may have under Section 4 of the Clayton Act (15 U.S.C. Sec. § 15) or under the Cartwright Act (Business and Professions Code Section 16700 *et seq.*) arising from purchases of goods, services, or materials pursuant to

the Contract. This assignment shall be made and become effective at the time the City tenders final payment to the Contractor without further acknowledgment by the parties.

9. Prevailing Wages. The City and the Contractor acknowledge that the Project is a public work to which prevailing wages apply.

10. Workers' Compensation. Labor Code Sections 1860 and 3700 provide that every contractor will be required to secure the payment of compensation to its employees. In accordance with the provisions of Labor Code Section 1861, by signing this Contract, the Contractor certifies as follows:

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

11. Titles. The titles used in this Contract are for convenience only and shall in no way define, limit or describe the scope or intent of this Contract or any part of it.

12. Authority. Any person executing this Contract on behalf of the Contractor warrants and represents that he or she has the authority to execute this Contract on behalf of the Contractor and has the authority to bind the Contractor to the performance of its obligations hereunder.

13. Entire Agreement. This Contract, including the Contract Documents and any other documents incorporated herein by specific reference, represents the entire and integrated Contract between the City and the Contractor. This Contract supersedes all prior oral or written negotiations, representations or agreements. This Contract may not be modified or amended, nor any provision or breach waived, except in a writing signed by both parties that expressly refers to this Contract.

14. Counterparts. This Contract may be executed in counterpart originals, duplicate originals, or both, each of which is deemed to be an original for all purposes.

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

CITY OF MANHATTAN BEACH

By: _____
City Manager

ATTEST:

APPROVED AS TO FORM:

By: _____
City Clerk

By: _____
City Attorney

Dated: _____

("CONTRACTOR")

By: _____
NAME TITLE

By: _____
NAME TITLE

PROOF OF AUTHORITY TO BIND
CONTRACTING PARTY REQUIRED

Bond No. _____

**PAYMENT BOND
(LABOR AND MATERIALS)**

KNOW ALL PERSONS BY THESE PRESENTS that:

WHEREAS the City of Manhattan Beach ("City"), State of California, has awarded to _____

(Name and address of Contractor) ("Principal")

a contract (the "Contract") for the Work described as follows:

UNDERGROUNDING UTILITY ASSESSMENT DISTRICT 4

(Project name)

WHEREAS, under the terms of the Contract, the Principal is required before entering upon the performance of the Work, to file a good and sufficient payment Bond with the City to secure the claims to which reference is made in Title 3 (commencing with Section 9000) of Part 6 of Division 4 of the Civil Code.

NOW, THEREFORE, we, the undersigned Principal, and _____

(Name and address of Surety)

("Surety") a duly admitted surety insurer under the laws of the State of California, as Surety, are held and firmly bound unto the City and all contractors, subcontractors, laborers, material suppliers, and other persons employed in the performance of the Contract and referred to in Title 3 (commencing with Section 9000) of Part 6 of Division 4 of the Civil Code in the penal sum of _____ Dollars

(\$ _____), for materials furnished or labor thereon of any kind, or for amounts due under the Unemployment Insurance Act with respect to this Work or labor, that the Surety will pay the same in an amount not exceeding the amount hereinabove set forth, and also in case suit is brought upon this Bond, will pay, in addition to the face amount thereof, costs and reasonable expenses and fees, including reasonable attorneys' fees, incurred by City in successfully enforcing this obligation, to be awarded and fixed by the court, and to be taxed as costs and to be included in the judgment therein rendered.

It is hereby expressly stipulated and agreed that this Bond shall inure to the benefit of any and all persons, companies, and corporations entitled to file claims under Title 3 (commencing with Section 9000) of Part 6 of Division 4 of the Civil Code, so as to give a right of action to them or their assigns in any suit brought upon this Bond.

Upon expiration of the time within which the California Labor Commissioner may serve a civil wage and penalty assessment against the principal, any of its subcontractors, or both the principal and its subcontractors pursuant to Labor Code Section 1741, and upon expiration of the time within which a joint labor management committee may commence an action against the principal, any of its subcontractors, or both the principal and its subcontractors pursuant to Labor Code Section 1771.2, if the condition of this Bond be fully performed, then this obligation shall become null and void; otherwise, it shall be and remain in full force and effect.

The Surety hereby stipulates and agrees that no change, extension of time, alteration, or addition to the terms of the Contract or the Specifications accompanying the same shall in any manner affect its obligations on this Bond, and it does hereby waive notice of any such change, extension, alteration, or addition.

IN WITNESS WHEREOF, two identical counterparts of this instrument, each of which shall for all purposes be deemed an original hereof, have been duly executed by Principal and Surety, on the date set forth below, the name of each corporate party being hereto affixed and these presents duly signed by its undersigned representative(s) pursuant to authority of its governing body.

Dated: _____

“Principal”

“Surety”

Signature: _____

Signature: _____

Print Name: _____

Print Name: _____

Title: _____

Title: _____

Date: _____

Date: _____

Signature: _____

Print Name: _____

Title: _____

Date: _____

(Seal)

(Seal)

NOTE: *This Bond must be executed in duplicate and dated, all signatures must be notarized, and evidence of the authority of any person signing as attorney-in-fact must be attached. DATE OF BOND MUST NOT BE BEFORE DATE OF CONTRACT.* Surety companies executing Bonds must appear on the Treasury Department's most current list (Circular 570 as amended) and be authorized to transact business in the State where the project is located.

PERFORMANCE BOND

KNOW ALL PERSONS BY THESE PRESENTS that:

WHEREAS the City of Manhattan Beach ("City"), has awarded to _____

(Name and address of Contractor) ("Principal")

a contract (the "Contract") for the Work described as follows:

UNDERGROUNDING UTILITY ASSESSMENT DISTRICT 4

(Project name)

WHEREAS, Principal is required under the terms of the Contract to furnish a Bond for the faithful performance of the Contract.

NOW, THEREFORE, we, the undersigned Principal, and _____

(Name and address of Surety)

("Surety") a duly admitted surety insurer under the laws of the State of California, as Surety, are held and firmly bound unto the City in the penal sum of _____ Dollars (\$ _____), this amount being not less than the total Contract Price, in lawful money of the United States of America, for the payment of which sum well and truly to be made, we bind ourselves, our heirs, successors executors and administrators, jointly and severally, firmly by these presents.

THE CONDITION OF THIS OBLIGATION IS SUCH THAT, if the hereby bounded Principal, his, her or its heirs, executors, administrators, successors or assigns, shall in all things stand to and abide by, and well and truly keep and perform the covenants, conditions and provisions in the Contract and any alteration thereof made as therein provided, on the Principal's part, to be kept and performed at the time and in the manner therein specified, and in all respects according to their true intent and meaning, and shall indemnify and save harmless the City, its officers, agents and employees, as therein stipulated, then this obligation shall become null and void; otherwise, it shall be and remain in full force and effect.

As a part of the obligation secured hereby and in addition to the face amount specified therefor, there shall be included costs and reasonable expenses and fees, including reasonable attorneys' fees, incurred by City in successfully enforcing such obligation, all to be taxed as costs and included in any judgment rendered. Surety hereby waives any statute of limitations as it applies to an action on this Bond.

The Surety hereby stipulates and agrees that no change, extension of time, alteration or addition to the terms of the Contract or of the Work to be performed thereunder or the specifications accompanying the same shall in anywise affect its obligations under this Bond, and it does hereby waive notice of any such change, extension of time, alteration or addition to the terms of the Contract or to the Work or to the specifications. Surety hereby waives the provisions of California

Civil Code Sections 2845 and 2849. The City is the principal beneficiary of this Bond and has all rights of a party hereto.

IN WITNESS WHEREOF, two identical counterparts of this instrument, each of which shall for all purposes be deemed an original hereof, have been duly executed by Principal and Surety, on the date set forth below, the name of each corporate party being hereto affixed and these presents duly signed by its undersigned representative(s) pursuant to authority of its governing body.

Dated: _____

“Principal”

“Surety”

Signature: _____

Signature: _____

Print Name: _____

Print Name: _____

Title: _____

Title: _____

Date: _____

Date: _____

Signature: _____

Print Name: _____

Title: _____

Date: _____

(Seal)

(Seal)

NOTE: *This Bond must be executed in duplicate and dated, all signatures must be notarized, and evidence of the authority of any person signing as attorney-in-fact must be attached. DATE OF BOND MUST NOT BE BEFORE DATE OF CONTRACT.* Surety companies executing Bonds must appear on the Treasury Department's most current list (Circular 570 as amended) and be authorized to transact business in the State where the project is located.

accompanying the same shall in anywise affect its obligations on this bond, and it does hereby waive notice of any such change, extension of time, alteration or addition to the terms of the Contract or to the work or to the specifications.

IN WITNESS WHEREOF, two identical counterparts of this instrument, each of which shall for all purposes be deemed an original hereof, have been duly executed by Principal and Surety, on the date set forth below, the name of each corporate party being hereto affixed and these presents duly signed by its undersigned representative(s) pursuant to authority of its governing body.

Dated: _____

“Principal”

“Surety”

Signature: _____

Signature: _____

Print Name: _____

Print Name: _____

Title: _____

Title: _____

Date: _____

Date: _____

Signature: _____

Print Name: _____

Title: _____

Date: _____

(Seal)

(Seal)

NOTE: *This Bond must be executed in duplicate and dated, all signatures must be notarized, and evidence of the authority of any person signing as attorney-in-fact must be attached. DATE OF BOND MUST NOT BE BEFORE DATE OF CONTRACT.* Surety companies executing Bonds must appear on the Treasury Department's most current list (Circular 570 as amended) and be authorized to transact business in the State where the project is located.

CHECKLIST FOR EXECUTION OF CONTRACT

TO BE SUBMITTED BY SUCCESSFUL BIDDER:

- _____ Two executed copies of the Contract
- _____ Completed, signed and notarized Payment Bond (original) in amount of the Contract
- _____ Completed, signed and notarized Performance Bond (original) in amount of the Contract
- _____ Completed, signed and notarized Warranty Bond (original) in the amount of 10% of the Contract
- _____ Workers' Compensation Certificate with attached Certificate of Insurance
- _____ General Liability insurance certificate naming the City as a co-insured
- _____ Automobile insurance naming the City as a co-insured
- _____ Umbrella/Excess Liability (General aggregate) insurance certificate naming the City as a co-insured, if applicable
- _____ Copy of City business license, if applicable
- _____ Additional insured endorsement – comprehensive general liability
- _____ Additional insured endorsement – automobile liability
- _____ Additional insured endorsement – excess liability
- _____ Primary and Non-Contributory Endorsement- General Liability Policy
- _____ Waiver of Subrogation - general liability
- _____ Waiver of Subrogation - Worker's Compensation

ALL SUBMITTALS WILL BE RETAINED BY CITY, EXCEPT FOR ONE COPY OF THE FULLY EXECUTED CONTRACT

GENERAL PROVISIONS

SECTION 0. GENERAL PROVISIONS DEFINED

0-1 STANDARD SPECIFICATIONS

The 2015 edition of "Standard Specifications for Public Works Construction", including the 2016 Supplement ("Standard Specifications"), as amended by the Contract Documents, is incorporated into the Contract Documents by this reference. The Work described herein shall be done in accordance with the provisions of the Standard Specifications, as amended by the Contract Documents.

0-2 NUMBERING OF SECTIONS

The number of sections and subsections in these General Provisions are compatible with the numbering in the Standard Specifications. Subsections of architectural and/or other work may be numbered according to the Construction Specifications Institute (CSI) format.

0-3 SUPPLEMENTATION OF STANDARD SPECIFICATIONS

The Sections that follow supplement, but do not replace, the Standard Specifications, except as otherwise indicated herein. In the event of any conflict between the Standard Specifications and these General Provisions, these General Provisions shall control.

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

The provisions below shall supplement, but not replace, those provisions in Section 1 of the Standard Specifications.

1-2 TERMS AND DEFINITIONS

Whenever in the Standard Specifications or in the Contract Documents the following terms are used, they shall be understood to mean the following:

Agency – The City of Manhattan Beach.

Applicable Law – All State, federal, and local laws, statutes, ordinances, codes, rules, and regulations governing the Work.

Bid Item – An item of Work listed on the Bid Schedule.

Board – The City Council of the City of Manhattan Beach.

City – The City of Manhattan Beach

City Council – The City Council of the City of Manhattan Beach

Contract Documents – As defined in Section 1 of the Contract.

Contract Time – The number of Working Days stated in the Contract for the completion of the Work.

County – County of Los Angeles, California

Detour – A temporary route for traffic (vehicular or pedestrian) around a closed portion of a road or travelway.

Engineer – The City Engineer, acting either directly or through properly authorized agents. Such agents shall act within the scope of the particular duties entrusted to them.

Estimated Quantities – The quantities of Work anticipated to be performed, as set forth in the Bid Schedule, designated as units or a lump sum.

Excavation – Any operation in which earth, rock, or other material in the ground is moved, removed, or otherwise displaced by means of tools, equipment, or explosives in any of the following ways: grading, trenching, digging, ditching, drilling, augering, tunneling, scraping, cable or pipe plowing and driving, or any other way (Cal. Gov. Code § 4216).

Final Acceptance- acceptance of the Work by the City Council and direction to staff to cause recordation of the Notice of Completion, pursuant to Section 6-8.2 of these General Provisions.

Inspector – An authorized representative of the City, assigned by the City to make inspections of Work performed by or materials supplied by the Contractor.

Major Item of Work – A bid item amount that is at least 10% of the total contract award amount.

Minor Item of Work - A bid item amount that is less than 10% of the total contract award amount.

Notice of Completion – The notice authorized by Civil Code Section 9204.

Notice to Proceed or Notice to Proceed with Construction – A written notice issued by the City to the Contractor that authorizes the Contractor to perform the Work.

Notice to Proceed to Fulfill Preconstruction Requirements and Order Materials – A written notice issued by the City to the Contractor that authorizes the Contractor to proceed with preconstruction requirements and the acquisition or purchase of materials that are to be incorporated into the Work and establishes the date of commencement of the Contract Time.

Project – See Work.

Punch List – A list of items of Work to be completed or corrected by the Contractor in order to complete the Work as specified in the Contract Documents.

Shop Drawings – All drawings, diagrams, illustrations, brochures, schedules and other data which are prepared by the Contractor, a Subcontractor, manufacturer, supplier, or distributor, which illustrate how specific portions of the Work shall be fabricated or installed.

State – The State of California.

Submittal – Any drawing, calculation, specification, product data, samples, manuals, requests for substitutes, spare parts, photographs, survey data, traffic control plans, record drawings, Bonds or similar items required to be submitted to the City under the terms of the Contract.

Traffic Engineer – The representative of the Engineer who is assigned traffic-related matters.

Work – The construction and services required by the Contract Documents, whether completed or partially completed, and includes all other labor, materials, equipment, services provided or to be provided by the Contractor to fulfill the Contractor's obligations.

Working Day – See Subsection 6-7.2 of the General Provisions.

Work Directive – A unilateral written order issued by the City directing the Contractor to continue performance of the Work or a disputed item of Work pending resolution of a claim or dispute concerning the scope of Work.

1-3.3 Institutions

The institutions listed in Section 1-3.3 of the Standard Specifications shall be supplemented by the list below:

<u>Abbreviation</u>	<u>Word or Words</u>
AAN	American Association of Nurserymen
ACI	American Concrete Institute
AGCA	Associated General Contractors of America
APWA	American Public Works Association
ASME	American Society of Mechanical Engineers
CRSI	Concrete Reinforcing Steel Institute
CSI	Construction Specifications Institute
IEEE	Institute of Electric and Electronic Engineers
NEC	National Electric Code
NEMA	National Electrical Manufacturers Association
NFPA	National Fire Protection Association
SSS	State of California Standard Specifications, Latest edition, Department of Transportation
SSP	State of California Standard Plans, Latest edition, Department of Transportation

SECTION 2. SCOPE AND CONTROL OF THE WORK

The provisions below shall supplement but not replace those provisions in Section 2 of the Standard Specifications, unless specifically noted below.

2-2 ASSIGNMENT

Any purported assignment without written consent of the City shall be null, void, and of no effect, and the Contractor shall hold harmless, defend and indemnify the City and its officers, officials, employees, agents and representatives with respect to any claim, demand or action arising from or relating to any unauthorized assignment.

If the City opts to consent to assignment, the City's consent shall be contingent upon: (1) a letter from the Surety agreeing to the assignment and assigning all of the Bonds to the assignee without any reduction, or the assignee supplying all new Bonds in the amounts originally required under the Contract Documents; and (2) the assignee supplying all of the required insurance in the amounts required in the Contract Documents. Until the Surety assigns all of the Bonds or the assignee supplies all of the new Bonds, and until the assignee supplies all of the required insurance, an assignment otherwise consented to in writing by the City shall not be effective. Even if the City consents to assignment, no assignment shall relieve the Contractor of liability under the Contract.

2-3.1.1 Subcontractors. Add the following sections:

Subcontractors shall be listed by the Bidder in accordance with these specifications and must be properly licensed under the laws of the State of California for the type of work which they are to perform. Copies of all Subcontracts shall be made available to the Engineer, upon request.

2-3.1.2A Subcontractor whose prosecution of the work is not satisfactory shall be terminated immediately by the Contractor upon the receipt of a written notice by the Engineer. Subcontractors whose work was determined to be unsatisfactory shall not be allowed to perform any work on the job site.

2-4 CONTRACT BONDS

The Faithful Performance Bond shall remain in force until the date of recordation of the Notice of Completion. The Labor and Materails Bond shall remain in force until expiration of the time within which the California Labor Commissioner may serve a civil wage and penalty assessment against the principal, any of its Subcontractors, or both the principal and its Subcontractors pursuant to Labor Code Section 1741, and until the expiration of the time within which a joint labor management committee may commence an action against the principal, any of its Subcontractors, or both the principal and its Subcontractors pursuant to Labor Code Section 1771.2.

The warranty or maintenance Bond shall be valid for one year from the date of recordation of Notice of Completion by the County Recorder, in the amount of ten percent of the Contract Price. Other than the details listed herein, the warranty or maintenance Bond shall adhere to the requirements for Bonds in Section 2-4 of the Standard Specifications. Nothing herein shall abridge or amend Section 6-8.3 of the Standard Specifications or the related provisions in these Contract Documents.

All Bonds must be submitted using the required forms, which are in the Contract Documents, or on any other form approved by the City Attorney.

2-5 PLANS AND SPECIFICATIONS

2-5.1 General

In addition to the requirements under Section 2-5.1 in the Standard Specifications, the Contractor shall maintain a control set of Plans and Specifications on the Project site at all times. All final locations determined in the field, and any deviations from the Plans and Specifications, shall be marked in red on the control set to show the as-built conditions. This control set of Plans shall also be edited for all Addenda, Requests for Information, Change Orders, field changes not involving cost, and any other variation that occurred during construction. Upon completion of all Work, the Contractor shall return the control set to the Engineer. Final payment will not be made until this requirement is met.

Where a work feature is shown on the drawings or identified in the Specifications but is not specifically indicated as an item in the Bid Schedule, and there is no ambiguity regarding the requirement to construct, install, or construct and install that work feature, the Contractor is required to complete the work feature. All costs to the Contractor for constructing, installing, or both constructing and installing such a work feature shall be included in the Bid.

2-5.2 Precedence of the Contract Documents

The following shall replace Section 2-5.2:

With regard to Section 2-5.2 in the Standard Specifications, the General Provisions shall control over the Special Provisions, and the Notice Inviting Bids and Instructions to Bidders (in that order) shall control over the Bid, such that the order of precedence shall be as follows:

1. Requirements of law.
2. Permits issued by regulatory agencies with jurisdiction.
3. Change Orders and Supplemental Agreements, whichever occurs last.
4. Contract.
5. Addenda.
6. Notice Inviting Bids.
7. Instructions to Bidders.
8. Bid/Proposal.
9. General Provisions.
10. Special Provisions.
11. Plans.
12. Standard Plans.
13. Standard Specifications.
14. Reference Specifications.

2-5.2.1 Traffic Signal Work

Except as otherwise specified in the General Provisions or on the Plans, all Work relating to traffic signals and incidental illuminated street name signs and safety lighting, including all equipment, materials, components, and the installation thereof, shall be in accordance with the City's Technical Provisions for traffic signals, latest edition of the State Standard Plans (SSP) in effect and published at the Bid Deadline and Section 86 "Signals, Lighting and Electrical Systems" of the latest edition of the State Standard Specifications (SSS) in effect and published at the Bid Deadline, unless otherwise indicated in the Technical Provisions. With respect to traffic signal

Work, the order of precedence, from highest to lowest, shall be: City Technical Provisions, Plans, Section 86 of the State Standard Specifications, State Standard Plans, Standard Plans, and Standard Specifications.

2-5.3 Submittals

2-5.3.1 General

The following paragraphs shall be added following the third paragraph:

The Contractor shall, at its own expense, transmit to the Engineer for review and acceptance, working drawings, shop drawings, supporting information, and/or other available instructive and descriptive information from the manufacturer, when and as required by the Plans or General Provisions or requested by the Engineer. Shop drawings will not be required for standard items in common use for which adequate manufacturers' literature is available unless otherwise required by the Engineer.

The Contractor shall consecutively number, thoroughly check, approve and sign each submittal and transmit the submittals to the Engineer for review. In the event that certain submittals are submitted without the Contractor's approval signature or are unacceptable to the City, they shall be rejected by the Engineer. The Contractor shall thereafter correct the submittals and resubmit.

In the event that in the process of development of the submittals it is discovered that there are defects and/or errors on the Plans that result in conflict between the Plans and the submittals, or if the submittals show variation from the Plans or other Contract Documents, the Contractor shall thoroughly describe and explain any defects and/or conflicts in its transmittal letter to the Engineer.

The Engineer's review of the submittals will be for general design and arrangement only, and shall not relieve the Contractor from responsibility for errors of any sort in the submittals or of the responsibility for executing the work in accordance with the Contract Documents. The Contractor shall allow a minimum of 20 Working Days for review of submittals. The Contractor shall be solely responsible for the correctness of the submittals, for shop fits and field connections, and for the results obtained by use of such submittals. The Contractor shall verify and be fully responsible for all dimensions and job-site conditions affecting the Work and shall be responsible for furnishing and installing the proper materials required by the Contract Documents.

The Contract Time will not be extended due to the failure of the Contractor to provide submittals as required by the Contract Documents in a timely manner.

2-6 *WORK TO BE DONE*

The following paragraphs shall be added following paragraph one:

All work which is defective in its construction or deficient in any of the requirements of the Plans and Specifications shall be remedied or removed and replaced by the Contractor in an acceptable manner at his own expense. No compensation will be allowed for any work done beyond the lines and grades shown on the Plans or established by the Engineer. Upon failure on the part of the Contractor to comply with any order of the Engineer made under the provisions of this article, the Engineer and the City may cause the defective work to be remedied or removed and replaced at the expense of the Contractor.

Any unauthorized or defective work, defective material or workmanship or any unfaithful or imperfect work that may be discovered before Final Acceptance of work by the Board shall be corrected immediately with no extra charge even though it may have been overlooked in previous inspections and estimates or may have been caused due to failure to inspect the work.

2-7 SUBSURFACE DATA

If the City or its consultants have made investigations of subsurface conditions in areas where the Work is to be performed, such investigations shall be deemed made only for the purpose of study and design. If a geotechnical or other report has been prepared for the Project, the Contractor may inspect the records pertaining to such investigations subject to and upon the conditions hereinafter set forth. The inspection of the records shall be made in the office of the Engineer. It is the Contractor's sole responsibility to determine whether such investigations exist, and the City makes no affirmative or negative representation concerning the existence of such investigations.

The records of any such investigations are made available solely for the convenience of the Contractor. It is expressly understood and agreed that the City, the Engineer, their agents, consultants or employees assume no responsibility whatsoever with respect to the sufficiency or accuracy of any investigations, the records thereof, and the interpretations set forth therein. No warranty or guarantee is expressed or implied that the conditions indicated by any such investigations or records are representative of those existing in the Project area. The Contractor agrees to make such independent investigations and examination as necessary to be satisfied of the conditions to be encountered in the performance of the Work.

The Contractor represents that it has studied the Plans, Specifications and other Contract Documents, and all surveys and investigation reports of subsurface and latent physical conditions, has made such additional surveys and investigations as necessary for the performance of the Work at the Contract Price in accordance with the requirements of the Contract Documents, and that it has correlated the results of all such data with the requirements of the Contract Documents. No claim of any kind shall be made or allowed for any error, omission or claimed error or omission, in whole or in part, of any geotechnical exploration or any other report or data furnished or not furnished by the City.

2-9 SURVEYING

The Contractor shall verify all dimensions on the drawings and shall report to the City any discrepancies before proceeding with related Work. The Contractor shall perform all survey and layout Work per the benchmark information on the Project Plans. All surveying Work must conform to the Professional Land Surveyors' Act (Business and Professions Code Section 8700 *et seq.*). All Project surveying notes and "cut-sheets" are to be provided to the City after the completion of each surveying activity and all final surveying notes shall be provided before final payment to the Contractor.

The Contractor is responsible for hiring a Surveyor to set survey points to be used for re-establishments of disturbed monuments and submit Corner Records to the County Surveyor. Copy of the submitted Corner Records must be provided to the City prior to actual disturbance of the monuments. The Contractor shall also cause all disturbed survey monuments within the project work area to be re-established at the end of the project. This also includes filing Corner Records and Record of Survey with the County Surveyor within 7 days of substantial completion of the construction work and submitting a copy to the City of the filed paperwork receipt within 2

days of submission. The Contractor is required to provide a copy of the County Surveyor's acceptance within 2 days of receipt from the County Surveyor.

Construction stakes shall be set and stationed by the Contractor at its expense. Unless otherwise indicated in the Special Provisions, surveying costs shall be included in the price of items bid. No separate payment will be made. Re-staking and replacement of construction survey markers damaged as a result of the Work, vandalism, or accident shall be at the Contractor's expense.

2-11 INSPECTION

The Contractor shall arrange and pay for all off-site inspection of the Work required by any ordinance or governing authorities. The Contractor shall also arrange and pay for other inspections, including tests in connection therewith, as may be assigned or required.

Add the following paragraphs:

2-11.1 Inspection

An inspector shall in no case act as foreman or perform other duties for the Contractor, nor interfere with the Contractor's management of the Work. Any advice which an inspector may give the Contractor shall not be binding to the Engineer or to the City, or release the Contractor from fulfilling all the terms of the Contract.

No partial payment, inspection, taking possession of, or other act made or done by the Engineer or the City with respect to the work prior to final completion and acceptance thereof shall affect or prejudice the right of the Engineer or the City to reject any defective work or material or to require the complete fulfillment of all the provisions of the Contract.

If the Engineer deems it expedient and not in the best interest of the City to correct work injured or done not in accordance with the Contract, the defective work may be accepted subject to an equitable deduction from the Contract Price which may be made therefor by the City upon certification from the Engineer.

Reexamination of any work may be ordered by the Engineer at any time prior to Final Acceptance and, if so ordered, the work must be uncovered by the Contractor. If such work be found in accordance with the Contract, the City will pay the cost of reexamination and replacement. If such work be found defective or not in accordance with the Contract, the Contractor shall pay such costs.

SECTION 3. CHANGES IN WORK

3-1 CHANGES REQUESTED BY THE CONTRACTOR

3-1.1 General

Add the following paragraph to the end of Subsection 3-1.1:

If the Contractor alleges that instructions issued after the date of the Contract will result in increases to the Contract Price or Contract Time, if latent or unforeseen conditions require modification of the Contract Documents, or the Contractor otherwise becomes aware of the need for or desirability of a change in the Work, a Change Order Proposal ("COP") may be submitted

to the City in writing, using the forms provided herein in Subsection 3-6.2 of the General Provisions, and must specify the reasons for such change, including relevant circumstances and impacts on the construction schedule. The Contractor may request additional compensation and/or time through a COP but not for instances that occurred more than ten calendar days prior to the COP. The Contractor's failure to initiate a COP within such period shall be deemed a waiver of the right to adjustment of the Contract Price or the Contract Time for the alleged change, unless such waiver is prohibited under state law. Any COP that is approved by the City will be incorporated in a Change Order or Construction Change Directive. If the City determines that the Work in question is not a change, the City shall issue a Work Directive, ordering the Contractor to proceed with the Work without delay. If the COP is denied but the Contractor believes that it does have merit, the Contractor may submit a claim to the City.

3-2 CHANGES INITIATED BY THE AGENCY

The City reserves the right, without notice to the Surety, to increase or decrease the quantity of any item or portion of the Work described in the Contract Documents or to alter or omit portions of the Work so described, as may be deemed necessary or expedient by the Engineer, without in any way making the Contract void. Such increases, alterations or decreases of Work shall be considered and treated as though originally contracted for, and shall be subject to all the terms, conditions and provisions of the original Contract. The Contractor shall not claim or bring suit for damages, whether for loss of profits or otherwise, on account of any decrease, alteration or omission of any kind of Work to be done.

3-2.1 General

Add the following paragraphs at the end of Subsection 3-2.1:

The City reserves the right to make changes in the Work, including the elimination of any Bid Item, after execution of the Contract and without invalidating the Contract by:

A. Change Order approved by the City Council, City Manager, Public Works Director, or City Engineer (dollar value of approval authority for each as per City policy); or

B. Construction Change Directive approved by the City Council, City Manager, Public Works Director, or City Engineer (dollar value of approval authority for each as per City policy);

A change that causes the total value of all changes to exceed the Contract contingency amount established at the time of award of the Contract must be approved by the City Council. No payments in excess of the original Contract Price will be made until a Change Order is approved in the normal course of business. The City may, at any time, without notice to the Contractor's surety(ies), order changes in the Work within the general scope of the Contract. Such changes in the Work shall not relieve or release the surety(ies) of its(their) obligations under the Performance and Payment Bonds issued for the Project. Changes in the Work made pursuant to this Article 3 shall in no way release any guarantee or warranty provided by the Contractor.

The City may issue a Change Order Proposal Request ("COPR"), in writing, to the Contractor, describing a proposed change to the Work and requesting that the Contractor submit an itemized Change Order Proposal ("COP") to the City, using the forms provided herein in Subsection 3-6.2 of the General Provisions, within ten calendar days after the City's issuance of the COPR. If the Contractor fails to submit a COP within such period of time, it shall be presumed that the change described in the City's COPR will not result in an increase to the Contract Price

or Contract Time and the change shall be performed by the Contractor without such increases. A COPR does not authorize the Contractor to commence performance of the changed work. The Contractor shall not perform any change until receipt of the City's written approval. If the City approves the Contractor's COP, City shall issue a Change Order.

Whenever a change is pending, the Contractor shall notify the City if it is necessary to halt other Work in the area of the change that would be affected thereby, until such time as the change is authorized.

Any change to the Contract Price shall be in a sum mutually agreed to by the Contractor and the City. When the cost for Extra Work cannot be agreed upon, the City will pay for Extra Work based on the accumulation of costs as provided for in Subsection 3-3, "Extra Work," of the Standard Specifications and the General Provisions.

3-2.1.1 Change Order

A Change Order is a written instrument prepared by the City and signed by the City and the Contractor, stating their agreement upon all of the following:

- A. The scope of the change in the Work;
- B. The amount of the adjustment, if any, in the Contract Price; and
- C. The extent of the adjustment, if any, in the Contract Time.

3-2.1.1.1 Accord and Satisfaction

The Contractor's agreement on any Change Order shall be a full compromise and settlement of all adjustments to the Contract Time and Contract Price, and compensation for any and all delay, extended or additional field and home office overhead, disruption, acceleration, inefficiencies, lost labor or equipment productivity, differing site conditions, construction interferences, and other extraordinary or consequential damages (hereinafter called "Impacts"), including any ripple or cumulative effect of the Impacts on the overall Work under the Contract arising directly or indirectly from the performance of Work described in the Change Order. By execution of any Change Order, the Contractor agrees that the Change Order constitutes a complete accord and satisfaction with respect to all claims for schedule extension, Impacts, or any costs of whatsoever nature, character or kind arising out of or incidental to the Change Order. No action, conduct, omission, product failure, or course of dealing by the City shall act to waive, modify, change, or alter the requirement that Change Orders must be in writing, signed by the City and the Contractor, and that such written Change Orders are the exclusive method for effectuating any change to the Contract Sum and/or Contract Time.

3-2.1.2 Construction Change Directive

A Construction Change Directive is a written order prepared and signed by the City, directing a change in the Work prior to the Contractor's agreement on adjustment, if any, in the Contract Price or Contract Time, or both. The City may, by Construction Change Directive, without invalidating the Contract, order changes in the Work within the general scope of the Contract consisting of additions, deletions or other revisions, the Contract Price and Contract Time being adjusted accordingly. Upon receipt of a Construction Change Directive, the Contractor shall promptly proceed with the change in the Work involved. A Construction Change Directive shall

be used in the absence of total agreement on the terms of a Change Order. The City's form of Construction Change directive is provided in Subsection 3-6.2 of the General Provisions.

3-2.2.2 Increases of More than 25 Percent

Delete Subsection 3-2.2.2 in its entirety and substitute the following:

Should the actual quantity of a Major Item of Work covered by a Contract Unit Price and constructed in conformance with the Plans and Specifications exceed the Bid quantity by more than 25%, a Change Order will be issued and payment for the quantity in excess of 25% of the Bid quantity will be made on the basis of an adjustment to the Contract Unit price mutually agreed to by the City and the Contractor or pursuant to Subsection 3-2.4 "Agreed Prices."

For Minor Items of Work, the Contractor will be paid using the Contract Unit Price, regardless of whether the actual quantity of the Minor Item of Work covered by a Contract Unit Price exceeds the bid quantity by more than 25%.

3-2.2.3 Decreases of More than 25 Percent

Delete Subsection 3-2.2.3 in its entirety and substitute the following:

Should the actual quantity of a Major Item of Work covered by a Contract Unit Price and constructed in conformance with the Plans and Specifications be less than 75% of the Bid quantity, an adjustment in payment will not be made unless so requested in writing by the Contractor. If the Contractor so requests, a Change Order shall be issued and payment shall be made on the basis of an adjustment to the Contract Unit Price mutually agreed to by the City and the Contractor, or pursuant to Subsection 3-2.4 "Agreed Prices"; however, in no case will payment be less than would be made for the actual quantity at the Contract Unit Price.

For Minor Items of Work, the Contractor will be paid using the Contract Unit Price, regardless of whether the actual quantity of the Minor Item of Work covered by a Contract Unit Price is less than 75% of the Bid quantity.

3-2.2.4 Changes for Items Not Covered by Unit Prices

Payment for any change for an Item of Work not covered by a Contract Unit Price shall be made pursuant to Subsection 3-3 "Extra Work."

3-3 *EXTRA WORK*

New and unforeseen work will be classified as Extra Work only when the Work is not covered and cannot be paid for under any of the various items or combination of items for which a Bid price appears on the Bid. The Contractor shall not do any Extra Work except upon written order from the Engineer.

3-3.1 General

Add the following at the end of Subsection 3-3.1:

All Extra Work shall conform to the Plans and Specifications.

The Contractor shall furnish to the Engineer each Subcontractor's signed and detailed estimate of the cost for labor, materials, and equipment, including the markup by such Subcontractor for overhead and profit for Work added or deducted to a Subcontractor's scope of Work. The Contractor shall furnish to the Engineer the sub-Subcontractor's signed detailed estimate of the cost for labor, materials, and equipment, including the markup by such sub-Subcontractor for overhead and profit for Work added or deducted to a sub-Subcontractor's scope of Work. The Contractor shall furnish to the Engineer the vendor or supplier's signed detailed estimate or quotation of the cost to the Contractor for Work added or deducted from a vendor or suppliers scope of Work.

3-3.2.1 General

Add the following at the end of Subsection 3-3.2.1

Any change in the Work for an Item of Work not covered by a Contract Unit Price that involves both added and deleted Work shall be paid on the basis of the net total cost. The cost of deleted Work not covered by a Contract Unit Price shall be determined by the Engineer based on the schedule of lump sum prices submitted by the Contractor in accordance with Subsection 9-2, "Lump Sum Work," of the Standard Specifications and the General Provisions.

3-3.2.2.1 Labor

Delete Subsection 3-3.2.2.1 in its entirety and substitute the following:

The cost of labor will be the actual cost for wages prevailing locally for each craft or type of worker (including foreman when authorized by the Engineer) performing the Extra Work at the time the Extra Work is done, plus liability insurance, health and welfare, pension, vacation, apprenticeship funds, and other direct costs, as well as assessments or benefits required by lawful collective bargaining agreements.

To the actual wages, as defined above, will be added a labor surcharge set forth in the California Department of Transportation publication entitled "Labor Surcharge and Equipment Rental Rates" that is in effect on the date upon which the Extra Work is performed. The labor surcharge shall constitute full compensation for all payments imposed by State and federal laws and for all other payments made to, or on behalf of, the workers, other than actual wages, subsistence and travel paid to the workers. The labor surcharge includes Workers' Compensation, Social Security, Medicare, Federal Unemployment, State Unemployment, and State Training taxes.

Except when direct supervision is provided by working foremen whose time is included in accordance with Subsection 3-2.2.2, the cost of direct supervision of Extra Work, when such direct supervision is provided exclusively for the Extra Work and not in conjunction with or at the same time as supervision for other Work, and when approved in advance in writing by the Engineer, may be charged to the Extra Work. Such cost includes only the actual cost of supervision labor, plus payroll taxes, insurance, and pension costs. The cost of transportation, use of vehicle, and other costs incurred by supervision will not be allowed.

3-3.2.2.2 Materials

Add the following to Subsection 3-3.2.2.2:

If the Contractor does not furnish satisfactory evidence of the cost of the materials from the actual supplier thereof within 5 days following delivery of materials to the Work site, the Engineer reserves the right to establish the cost of the materials at the lowest current wholesale prices at which the materials were available, in the quantities concerned, delivered to the location of the Work site, less any discounts.

3-3.2.2.3 Tool and Equipment Rental

Delete Subsection 3-3.2.2.3 in its entirety and substitute the following:

No payment will be made for individual pieces of equipment or tools not listed in the California Department of Transportation publication entitled "Labor Surcharge and Equipment Rental Rates" that is in effect on the date upon which the Extra Work is performed and that have a replacement value of \$200.00 or less, whether or not consumed by use. Such equipment or tools shall be considered to be small tools.

The Contractor will be paid for the use of equipment at the rental rates listed for such equipment in the Labor Surcharge and Equipment Rental Rates publication that is in effect on the date upon which the Extra Work is performed.

Move in and out, or minimum charges other than the hourly rate, shall not apply to equipment available from the force already on the Project site.

For equipment that is rented from a local equipment agency, the Contractor will be paid at the hourly rate shown on the rental agency invoice or agreement for the time the equipment is used on Extra Work. If a minimum equipment rental amount is required by the local equipment rental agency, the actual amount charged will be paid to the Contractor.

If it is deemed necessary by the Engineer to use equipment not listed in the Labor Surcharge and Equipment Rental Rates publication, a suitable rental rate for that equipment will be established by the Engineer. The Contractor may furnish any cost data that might assist the Engineer in the establishment of the rental rate. If the rental rate established by the Engineer is \$10.00 per hour or less, the provisions above concerning rental of equipment from a local equipment agency shall apply.

Rental time will not be allowed while equipment is inoperative due to breakdowns.

When owner operated equipment is used to perform Extra Work to be paid on a force account basis, the Contractor will be paid for the equipment and operator as follows:

1. Payment for the equipment will be made at the rental rates listed for such equipment in the Labor Surcharge and Equipment Rental Rates publication that is in effect on the date upon which the Extra Work is performed.

2. Payment for the cost of labor will be made in conformance with the provisions in Subsection 3-3.2.2.1 "Labor" of the General Provisions.

3-3.2.3 Markup

Delete Subsection 3-3.2.3 in its entirety and substitute the following:

The markup for overhead and profit on Extra Work shall be in accordance with the following schedule.

3-3.2.3.1 Work by Contractor.

The following percentages shall be added to the Contractor's costs and shall constitute the markup for all overhead and profit:

- 1) Labor20
- 2) Materials 15
- 3) Equipment Rental 15
- 4) Other Items and Expenditures..... 15

To the sum of the costs and markups provided for in this subsection, one percent shall be added as compensation for bonding.

3-3.2.3.2 Work by Subcontractor.

For Extra Work performed by a Subcontractor, the markup established in Subsection 3-3.2.3.1 of the General Provisions shall be applied to the Subcontractor's costs. An additional five percent shall be added to the Subcontractor's final cost, which shall reimburse the Contractor for administrative costs, including overhead and profit.

3-3.2.3.3 Work by Sub-Subcontractor.

For Extra Work performed by a sub-Subcontractor, the markup established in Subsection 3-3.2.3.1 of the General Provisions shall be applied to the sub-Subcontractor's costs. An additional ten percent shall be added to the sub-Subcontractor's final cost, five percent of which shall reimburse the Contractor for administrative costs, including overhead and profit, and five percent of which shall reimburse the Subcontractor for administrative costs, including overhead and profit.

3-3.2.3.4 Work by Specialist.

If the Engineer and the Contractor agree that a service or an item of Extra Work cannot be performed by the forces of the Contractor or those of any of its Subcontractors or sub-Subcontractors, such service or Extra Work item may be performed by a specialist. Invoices for such services or items of Extra Work calculated on the basis of current market prices may be accepted without complete itemization of labor, material, and equipment rental costs when it is impracticable and not in accordance with the established practice of the special service industry to provide such complete itemization.

If the Contractor is required to perform Extra Work that requires a fabrication or matching process in a fabrication or machine shop facilities away from the Project site, the charges for that portion of the Extra Work performed in such facility may, by agreement between the Contractor and Engineer, be accepted as a specialist billing.

For Extra Work performed by a specialist, 15% shall be added to the specialist's invoice price less a credit to the City for any cash or trade discount offered or available, whether or not such discount may have been taken; such percentage shall reimburse the Contractor for administrative costs, including overhead and profit.

3-3.2.3.5 Work not Covered by Unit Prices.

Markup for overhead and profit on any change in the Work for an Item of Work not covered by a Contract Unit Price that involves both added and deleted Work shall be paid, in accordance with this Subsection 3-3.2.3 of the General Provisions, only if the net cost increases the Contract Price (i.e., if the cost for added Work exceeds the cost for deleted Work).

3-3.3 Daily Reports by Contractor

Delete the first sentence of Subsection 3-3.3 and substitute the following:

The Contractor shall submit daily reports for Extra Work showing all labor, material, and equipment costs incurred.

Add the following at the end of Subsection 3-3.3:

The daily reports shall describe in detail the Extra Work that was performed and the location (station, etc.). Separate daily reports shall be submitted for Extra Work that is performed for more than one location and for different tasks that are performed on the same day. Material charges shall be substantiated by valid copies of vendor's invoices. Such invoices shall be submitted with the daily reports, or if not available, they shall be submitted with subsequent daily reports. The Contractor shall maintain the Contractor's records in such a manner as to provide a clear accounting of the costs.

Upon completion of the Extra Work, the Contractor shall submit a summary of costs, including markup for overhead and profit. All costs shall be in accordance with Subsection 3-3.2, "Payment," of the Standard Specifications and the General Provisions. The signature of the City's Inspector on a daily report shall indicate agreement with the information reflected therein, not that the Contractor is entitled to payment of the costs in the report. The Engineer shall review the daily reports. The Engineer shall compare the Inspector's records with the completed daily reports furnished by the Contractor and make any necessary adjustments. When the daily reports are agreed upon and signed by both parties, these reports shall become the basis of payment for the Extra Work performed.

3-3.4 Extension of Time

Add the following as Subsection 3-3.4:

If the Contractor is delayed in completing the Extra Work due to a change ordered by the City, the time for completion of Work will be extended in accordance with Subsection 6-6.1 of these General Provisions.

3-5 *DISPUTED WORK*

Delete Subsection 3-5 in its entirety and substitute the following:

In the event of disputed Work, the City shall have the right to unilaterally issue a written Work Directive; and the Contractor shall continue performance pending resolution of the dispute and shall maintain cost data described in Subsection 3-3 of the Standard Specifications and the General Provisions. The City's form of Work Directive is provided in Subsection 3-6 of the General Provisions. Payment shall be made for such disputed Work as is later determined by negotiation between the parties or as is fixed by a court of law.

3-6 *FORMS*

Add Section 3-6 to incorporate the following forms, which appear in the succeeding pages.

3-6.1 Change Order Form

3-6.2 Change Order Proposal Forms

(a) Change Order Proposal Summary Report

(b) Labor Cost Report

(c) Labor Rates Report

(d) Material Cost Report

(e) Equipment Cost Report

(f) Special Forces/Services Cost Report

3-6.3 Construction Change Directive Form

3-6.4 Work Directive Form



**CITY OF MANHATTAN BEACH
PUBLIC WORKS DEPARTMENT
Engineering Division**

CONTRACT CHANGE ORDER NO. 1 (Final)

PROJECT NO.:

DESCRIPTION:

TO: Construction Company, Inc.

You are hereby instructed to comply with the following changes from the Contract Plans and Specifications:

SUMMARY OF CHANGES		
Description (Detailed Explanation Attached)	Change in Contract Price¹	Change in Work Days
1.	\$0.00	
2. Adjustment in Final Bid Quantities	\$0.00	
Net Change in Contract Price and Work Days	\$0.00	

¹Deduction or decrease in Contract Price is denoted in parentheses.

The following change is hereby made a part of the Contract Documents and shall be performed under the same terms and conditions as required by the original Contract Documents. Except as modified herein, the original Contract Documents and all prior amendments shall remain in full force and effect and all of the terms of the Contract Documents are hereby incorporated in this Change Order.

SUMMARY OF ALL CHANGE ORDERS

ORIGINAL CONTRACT AMOUNT.....	\$000,000.00
CCO1 (FINAL)	\$0.00
TOTAL	\$000,000.00

SUMMARY OF WORKING DAYS

FIRST DAY OF WORK:	Date
CONTRACT WORKING DAYS:	X
TIME EXTENSION: CCO 1 (Final).....	Y
NEW TOTAL WORKING DAYS:	X+Y
LAST DAY OF WORK:	New Date



CHANGE ORDER DETAIL

Change Order No.: 1 (Final)

Project No.: Description:

The changes or interpretations described and noted herein are hereby authorized. The signed original of this order is on file in the Department of Public Works. Shown as separate paragraphs: (A) Reason for Change; (B) Description of Change; (C) Change in Contract Costs; and (D) Change in Completion Date.

Item No. 1:

A. Reason for Change:

B. Description of Change:

ITEM	DESCRIPTION	UNIT	UNIT PRICE	BID OR CURRENT APPROVED QTY	FINAL QTY	CHANGE	CHANGE IN COST ¹
New Item				0	0	0	0.00

¹Deduction or decrease in Contract Price is denoted in parentheses.

C. Change in Contract Cost:
Add \$0.00

D. Change in Completion Date:
Add Y Working Days

Item No. 2: Adjustment in Final Bid Quantities:

A. Reason for Change:
Due to conditions encountered during construction, modifications to the amount of Work were determined to be appropriate, and the changes were addressed by means of adjusting applicable contract quantities, as outlined below.



B. Description of Change:

ITEM	DESCRIPTION	UNIT	UNIT PRICE	BID OR CURRENT APPROVED QTY	FINAL QTY	CHANGE	CHANGE IN COST ¹
New Item				0	0	0	0.00

¹Deduction or decrease in Contract Price is denoted in parentheses.

C. Change in Contract Cost:
Add \$0.00

D. Change in Completion Date:
No Change.

SIGNATURE PAGE TO FOLLOW:



The original Contract Price was (\$0.00). Contract Change Order No. 1 (Final) increased the Contract Price by (\$0.00). The new Contract Price will be \$00/100, resulting in an increase of approximately 0.00% to the original Contract.

The original Contract Time of X Working Days was extended by Y Working Days per Change Order No. 1 (Final). The last contract Working Day is new Date.

Ordered: _____ Date: _____
Public Works Director

Concurred by: _____ Date: _____
City Engineer

Concurred by: _____
Project Manager

Acceptance by the Contractor:

This Change Order is in full compromise and settlement of all adjustments to Contract Time and Contract Price, and compensation for any and all delay, extended or additional field and home office overhead, disruption, acceleration, inefficiencies, lost labor or equipment productivity, differing site conditions, construction interferences and other extraordinary or consequential damages (hereinafter called "Impacts"), including any ripple or cumulative effect of these Impacts on the overall Work under the Contract arising directly or indirectly from the performance of Work described in this Change Order. By execution of this Change Order, the Contractor agrees that this Change Order constitutes a complete accord and satisfaction with respect to all claims for schedule extension, Impacts, or any costs of any nature, character or kind arising out of or incidental to this Change Order.

Name: _____ Date: _____

Title: _____



CHANGE ORDER PROPOSAL FORM

3-6.2(a) CONTRACT CHANGE ORDER PROPOSAL SUMMARY REPORT

Date _____

CCO Proposal No. _____ Contractor _____

Item No. _____ Location _____

AMOUNT

General Contractor

1. Labor Cost:\$ _____

2. Material Cost:.....\$ _____

3. Equipment Cost:\$ _____

4. Special Forces/Services:\$ _____

Subtotal Contractor Cost•.....\$ _____

5. Subcontractor/Sub-Subcontractor Name _____

Labor Cost.....\$ _____

Material Cost\$ _____

Equipment Cost.....\$ _____

Subtotal Subcontractor/Sub-Subcontractor Cost

6. Subcontractor/Sub-Subcontractor Name

Labor Cost.....\$ _____

Material Cost\$ _____

Equipment Cost.....\$ _____

Subtotal Subcontractor/Sub-Subcontractor Cost\$ _____

TOTAL CONTRACT CHANGE ORDER COSTS\$ _____



CHANGE ORDER PROPOSAL FORM

3-6.2(b) LABOR COST REPORT Date

Date _____

CCO Proposal No. _____ Contractor or Subcontractor _____

Item No. _____ Location _____

CLASSIFICATION AND NAME	HOURS	HOURLY RATE	EXTENDED AMOUNTS
Classification:	OT	\$	\$
Name:	REG	\$	\$
Classification:	OT	\$	\$
Name:	REG	\$	\$
Classification:	OT	\$	\$
Name:	REG	\$	\$
Classification:	OT	\$	\$
Name:	REG	\$	\$
Classification:	OT	\$	\$
Name:	REG	\$	\$
Classification:	OT	\$	\$
Name:	REG	\$	\$
TOTAL LABOR			\$

Overhead/profit 20%.....\$ _____

Total labor/overhead/profit.....\$ _____

Subcontractor's mark-up of total Sub-Subcontractor labor/overhead/profit (if applicable) 5%\$ _____

General contractor's mark-up of total Subcontractor or Sub-Subcontractor labor/overhead/profit (if applicable) 5%.....\$ _____

Total.....\$ _____



CHANGE ORDER PROPOSAL FORM

3-6.2(c) LABOR RATES REPORT Date

Date _____

CCO Proposal No. _____ Contractor or Subcontractor _____

Item No. _____ Location _____

CLASSIFICATION:		
TAXABLE BASE:		AMOUNT
Base Hourly Pay		\$
Vacation		\$
TOTAL TAXABLE BASE		\$
TAXES & INSURANCE		
	PERCENT	AMOUNT
Social Security Tax		\$
State Unemployment Tax		\$
Federal Unemployment Tax		\$
Workmen's Compensation		\$
Liability & Umbrella Insurance		\$
TOTAL TAXES & INSURANCE		\$
FRINGE BENEFITS		
	AMOUNT	
Pension	\$	
Health & Welfare	\$	
Training	\$	
Other Fringe Benefits	\$	
TOTAL FRINGE BENEFITS		\$
AMOUNT		\$



CHANGE ORDER PROPOSAL FORM

3-6.2(d) MATERIAL COST REPORT

Date _____

CCO Proposal No. _____ Contractor or Subcontractor _____

Item No. _____ Location _____

INVOICE NO.	DESCRIPTION	AMOUNT
1.	Material	\$
	Sales Tax (Prevailing Tax Rate) 7.75%	\$
	Subtotal	\$
2.	Material	\$
	Sales Tax (Prevailing Tax Rate) 7.75%	\$
	Subtotal	\$
3.	Material	\$
	Sales Tax (Prevailing Tax Rate) 7.75%	\$
	Subtotal	\$
SUBTOTAL MATERIAL COST		\$

NOTE: An itemized list of materials, manufacturers, serial numbers, invoices, and other pertinent data shall be submitted along with the material cost report.

Overhead/profit 15%.....\$ _____

Total material/overhead/profit.....\$ _____

Subcontractor's mark-up of total Sub-Subcontractor material/overhead/profit (if applicable) 5%\$ _____

General contractor's mark-up of total Subcontractor or Sub-Subcontractor labor/overhead/profit (if applicable) 5%.....\$ _____

Total.....\$ _____



CHANGE ORDER PROPOSAL FORM

3-6.2(e) EQUIPMENT COST REPORT

Date _____

CCO Proposal No. _____ Contractor or Subcontractor _____

Item No. _____ Location _____

EQUIPMENT NO. (Description, Type, Size)	HOURS	HOURLY RATE	EXTENDED AMOUNTS
SUBTOTAL EQUIPMENT COST			\$

Overhead/profit 15%.....\$ _____

Total equipment/overhead/profit.....\$ _____

Subcontractor's mark-up of total Sub-Subcontractor
equipment/overhead/profit (if applicable) 5%\$ _____

General contractor's mark-up of total Subcontractor
or Sub-Subcontractor equipment/overhead/profit (if applicable) 5%\$ _____

Total.....\$ _____



CHANGE ORDER PROPOSAL FORM

3-6.2 (f) SPECIAL FORCES/SERVICES COST REPORT

Date _____

CCO Proposal No. _____ Contractor or Subcontractor _____

Item No. _____ Location _____

INVOICE NO.	DESCRIPTION	AMOUNT
1.		\$
		\$
	Subtotal	\$
2.		\$
		\$
	Subtotal	\$
3.		\$
		\$
	Subtotal	\$
SUBTOTAL MATERIAL COST		\$

NOTE: An itemized list of materials, manufacturers, serial numbers, invoices, and other pertinent date shall be submitted along with the special forces/services cost report.

Overhead/profit 15%.....\$ _____

Total Special Forces/Services/Overhead/Profit.....\$ _____



3-6.3 CONSTRUCTION CHANGE DIRECTIVE

Distribution to: CITY CONTRACTOR OTHER PROJECT MANAGER

PROJECT:	DIRECTIVE NO.:
	DATE:
	CONTRACT DATE:
TO CONTRACTOR:	CONTRACT FOR:

You are hereby directed to make the following change(s) to this Contract:

PROPOSED ADJUSTMENTS

1. The proposed basis of adjustment to the Contract Price is:
 - [] Lump Sum (increase) (decrease) of \$ _____
 - [] Unit Price of \$ _____ per _____
 - [] Daily time and materials records of actual costs plus a overhead and profit, as provided in Subsection 3-3, "Extra Work," the Standard Specifications and the General Provisions, [subject to a Not-To-Exceed Amount of \$ _____].\
 - [] as follows:

2. The Contract Time is proposed to (be adjusted) (remain unchanged). The proposed adjustment, if any, is (an increase of ____ days) (a decrease of ____ days).

If the Contractor disagrees with the proposed adjustments, it must submit its own proposal within ten days of the date of this Construction Change Directive pursuant to Contract Documents or the proposed adjustment will become final and binding on the Contractor.

When signed by the City and received by the Contractor, this document becomes effective IMMEDIATELY as a Construction Change Directive (CCD), and the Contractor shall proceed with the change(s) described above.

Ordered: _____ Date: _____
Public Works Director

Concurred by: _____ Date: _____
City Engineer

Concurred by: _____ Date: _____
Project Manager



3-6.4 WORK DIRECTIVE

Distribution to: CITY CONTRACTOR FIELD OTHER PROJECT MANAGER

PROJECT:

WORK DIRECTIVE NO.:

DATE:

CONTRACT DATE:

TO CONTRACTOR:

CONTRACT FOR:

You are hereby directed to continue performance of the following Work, without delay, pending resolution of the dispute concerning such Work and maintain the cost data described in Subsection 3-3, "Extra Work," of the Standard Specifications and the **General Provisions** to the Contract for the performance of such Work:

Neither the issuance of this Work Directive nor the requirement for the Contractor to maintain cost data constitutes approval by the City of a change in the Work or modification of the Contract Documents.

Ordered: _____ Date: _____
Public Works Director

Concurred by: _____ Date: _____
City Engineer

Concurred by: _____ Date: _____
Project Manager

SECTION 4. CONTROL OF MATERIALS

4-1 MATERIALS AND WORKMANSHIP

The provisions below shall supplement but not replace those provisions in Section 4-1 of the Standard Specifications, except that Subsection 4-1.4 shall be replaced in its entirety.

The first paragraph of Section 4-1 is replaced with the following:

Wherever applicable, materials shall conform to the latest Standards of the American Society for Testing Materials. All workmanship in the fabrication, assembly and construction of materials and equipment shall be neat and workmanlike in every respect. All equipment offered shall be of the manufacturer's latest design.

The Contractor and all Subcontractors, suppliers, and vendors shall guarantee that the Work will meet all requirements of this Contract as to the quality of materials, equipment, and workmanship.

4.1.1.1 Property Rights in Materials

Nothing in the Contract shall be construed as vesting in the Contractor any right, title, or interest in material used in the Work after it has been attached or affixed to the Work or the soil. All such material shall become the property of the City upon being so attached or affixed.

4-1.2 Protection of Work and Materials

Add the following at the end of Subsection 4-1.2:

Materials shall not be stored in the right-of-way unless written permission is given by the Engineer.

4-1.4 Test of Materials

Delete Subsection 4-1.4 in its entirety and substitute the following:

Unless otherwise called for in these General Provisions, all testing of materials will be performed by the City in such number and at such locations as deemed necessary by the Engineer to ensure compliance with the Contract Documents. The cost of all testing that can be performed within 50 miles of the Project will be borne by the City; the cost of all testing that must be performed 50 miles or more from the Project will be borne by the Contractor; the cost of all re-testing will be borne by the Contractor, and the amount due the City for the re-testing will be deducted from the Contract Price via Change Order.

The cost of rework material testing, overtime, travel and other related costs incurred by the City will be deducted from the Contract Price via Change Order.

4-1.6 Trade Names or Equals

If the Contractor requests to substitute an equivalent item for a brand or trade name item, the burden of proof as to the comparative quality and suitability of alternative equipment or articles or materials shall be upon the Contractor, and the Contractor shall furnish, at its own expense, all information necessary or related thereto as required by the Engineer. All requests for substitution shall be submitted, together with all documentation necessary for the Engineer to determine

equivalence, no later than ten calendar days after the award of the Contract, unless a different deadline is listed in the Special Provisions.

SECTION 5 UTILITIES

The provisions below shall supplement but not replace those provisions in Section 5 of the Standard Specifications.

5-1 LOCATION

The location and existence of any underground Utility or substructure has not been obtained. The methods used and costs involved to locate existing elements, points of connection and all construction methods are the Contractor's sole responsibility. Accuracy of information furnished, as to existing conditions, is not guaranteed by the City. The Contractor, at its sole expense, must make all investigations necessary to determine locations of existing elements, which may include contacting Underground Service Alert and other private underground locating firm(s), utilizing specialized locating equipment, hand trenching, or both. For every Dig Alert Identification Number issued by Underground Service Alert during the course of the Project, the Contractor must submit to the City the following form. The Contractor shall be responsible for preserving the integrity of the existing underground utilities at the site.

UNDERGROUND SERVICE ALERT IDENTIFICATION NUMBER FORM

UNDERGROUNDING UTILITY ASSESSMENT DISTRICT 4

No excavation will be permitted until this form is completed and returned to the City.

Government Code Section 4216 *et seq.* requires a Dig Alert Identification Number to be issued before a permit to excavate will be valid.

To obtain a Dig Alert Identification Number, call Underground Service Alert at **811** a minimum of three Working Days before scheduled excavation. For best response, provide as much notice as possible up to ten Working Days.

Dig Alert Identification Number: _____

Dated: _____

("CONTRACTOR")

By: _____

Printed Name: _____

Title: _____

By: _____

Printed Name: _____

Title: _____

NOTE: This form is required for every Dig Alert Identification Number issued by Underground Service during the course of the Work. Additional forms may be obtained from the City upon request.

5-1.3 Entry by Utility Owners

The right is reserved to the owners of public Utilities or franchises to enter the Project site for the purpose of making repairs or changes in their property that may be necessary as a result of the Work as well as any other reason authorized by the City. When the Contract Documents provide for the Utility owners to alter, relocate or reconstruct a Utility, or when the Contract Documents are silent in this regard and it is determined by the Engineer that the Utility owners must alter, relocate or reconstruct a Utility, the Contractor shall schedule and allow adequate time for those alterations, relocations or reconstructions by the respective Utility owners. City employees and agents shall likewise have the right to enter upon the Project site at any time and for any reason or no reason at all.

5-2 PROTECTION

If Contractor damages or breaks the Utilities, it will be the Contractor's responsibility to repair the Utility at no cost to the utility company or the City. If not fixed in a timely manner as deemed by the City Engineer, the utility company has the right to complete the repairs and assess the Contractor for all applicable costs.

Add the following paragraphs at the end of Subsection 5-2:

At least two Working Days prior to commencing work within the area, the Contractor shall request the utility owners to identify or otherwise indicate the location of their subsurface facilities. It shall be the Contractor's responsibility to determine the location and depth of all utilities including service connections which have been marked by the representative owners and which he believes may affect or be affected by the work. Full compensation for the ascertainment of utility locations and depths shall be considered included in the prices bid for the other items of work.

All utilities shall be notified by the Contractor in advance, according to their respective advance notice requirements, prior to excavating adjacent to, altering, or in any way modifying their facilities. The Contractor, at his expense, shall maintain in service all existing utilities. Should interruption of such utilities become necessary, the property owners and residents affected shall be notified 48 hours before the interruption.

The Contractor shall protect, support, or perform any other work necessary in order to maintain the operation of utilities in the proximity of the work area. The Contractor shall inform the Engineer in writing of all utilities omitted from or shown incorrectly on the contract plans. The Contractor shall not be entitled to damages or additional payment for delays attributable to utility relocations or alterations not shown or incorrectly delineated on the contract plans. The Contractor shall conduct his operations so as to permit access to the work site by any affected utility necessary for the relocation or modification to the utility system at no cost to the City.

Any interference by the Contractor with City-owned facilities such as, but not limited to, sewer, water, or storm drain that, in the opinion of the Engineer, creates a safety or health hazard and is not quickly repaired, the damaged facilities may be repaired by City forces and all costs of repairs will be deducted from contract payments.

5-3 REMOVAL

Facilities encountered during the prosecution of the Work that are determined to be abandoned shall be removed by the Contractor as required for the Work, unless directed otherwise by the

Engineer. The remaining portion of the existing Utility which is left in place shall be accurately recorded, in elevation and plan, on the control set of Contract drawings.

5-4 RELOCATION

The Contractor shall cooperate fully with all Utility forces of the City or forces of other public or private agencies engaged in the relocation, altering, or otherwise rearranging of any facilities that interfere with the progress of the Work. The Contractor shall schedule the Work so as to minimize interference with the relocation, altering, or other rearranging of facilities.

5-6 COOPERATION

The Contractor's attention is directed to the fact that Work may be conducted at or adjacent to the site by other contractors during the performance of the Work under the Contract. The Contractor shall conduct its operations so as to cause a minimum of interference with the work of such other contractors, and shall cooperate fully with such contractors to provide continued safe access to their respective portions of the site, as required to perform work under their respective contracts. Compensation for compliance shall be included in the various items of the Work, and no additional compensation shall be allowed therefor.

5-7 NOTIFICATION

The Contractor shall notify the Engineer and the owners of all Utilities and substructures not less than 48 hours before starting construction. The following list of names and telephone numbers is intended for the convenience of the Contractor and is not guaranteed to be complete or accurate:

Agency: _____
Phone Number: _____
Contact Person: _____

Agency: _____
Phone Number: _____
Contact Person: _____

Agency: _____
Phone Number: _____
Contact Person: _____

SECTION 6. PROSECUTION, PROGRESS AND ACCEPTANCE OF THE WORK

The provisions below shall supplement but not replace those provisions in Section 6 of the Standard Specifications.

6-1 CONSTRUCTION SCHEDULE AND COMMENCEMENT OF THE WORK

6-1.1 Construction Schedule

In addition to the construction schedule required pursuant to Section 6-1.1 of the Standard Specifications after notification of the Contract award and before any start of the Project, as well as the revised construction schedule in advance of beginning revised operations, the Contractor

shall submit an updated construction schedule with its monthly invoice every month. Progress payments shall be contingent upon the receipt of monthly updated construction schedules.

One week before the scheduled pre-construction meeting, the Contractor must submit a construction schedule to the Engineer for review and approval. The Contractor shall make revisions as required by the Engineer. The schedule must account for all subcontract work, as well as the work of the Contractor, submittals, coordination with the other contractors performing concurrent work and the Traffic Control Plan. The Contractor shall update this Construction Schedule when directed by the Engineer, or when:

a. A Change Order significantly affects the Contract completion date or the sequence of construction approach or activities; or

b. The actual sequence of the Work, or the planned sequence of the Work, is changed and does not conform to the Contractor's current accepted Project construction schedule.

6-1.1.1 Pre-Construction Conference

Approximately five Days before the commencement of Work at the site, a pre-construction conference will be held at the City and shall be attended by the Contractor's Project manager, its on-site field superintendent, and any Subcontractors that the Contractor deems appropriate. Attendance by the Contractor and any Subcontractors designated is mandatory.

Contractor shall submit its 24-hour emergency telephone numbers to the Engineer for approval a minimum of two Working Days before the pre-construction conference. Unless previously submitted to the Engineer, the Contractor shall bring to the pre-construction conference copies of each of the following:

- 1) Construction Schedule.
- 2) Procurement schedule of major equipment and materials and items requiring long lead time.
- 3) Shop drawing/sample submittal schedule.
- 4) Preliminary schedule of values (lump sum price breakdown) for progress payment purposes.
- 5) Written designation of the on-site field superintendent and the Project manager. Both daytime and emergency telephone numbers shall be included in the written designation.

The purpose of the conference is to designate responsible personnel and establish a working relationship. The parties will discuss matters requiring coordination and establish procedures for handling such matters. The complete agenda will be furnished to the Contractor before the meeting date. The Contractor shall be prepared to discuss all of the items listed below.

- 1) The Contractor's construction schedule.
- 2) Notification of local residents before starting any Work and keeping them informed throughout the Project.
- 3) Procedures for transmittal, review, and distribution of the Contractor's submittals.
- 4) Processing applications for payment.
- 5) Maintaining record documents.
- 6) Critical Work sequencing.

- 7) Maintaining sewage service during construction, including proposed by-passes.
- 8) NPDES requirements, if any.
- 9) Field decisions and Change Orders.
- 10) Use of Project site, office and storage areas, security, housekeeping, and the City's needs.
- 11) Major equipment deliveries and priorities.
- 12) Traffic control.
- 13) Any other item that the City representative states is relevant to the meeting.

6-1.1.2 Weekly Progress Meetings

Progress meetings will be held each week during the course of the Project. The meeting location, day of the week and time of day will be mutually agreed to by the City and the Contractor. The Contractor shall provide a two-week "look ahead" schedule for each meeting. The construction manager will preside at these meetings and will prepare the meeting agenda, meeting minutes and will distribute minutes to all persons in attendance. As the Work progresses, if it is determined by agreement of the attendees, that weekly meetings are not necessary, the weekly progress meetings may be changed to bi-weekly progress meetings.

Add the following to section 6-2:

6-2.1 Excess Cost of City Personnel and Inspection Personnel

For any overtime or emergency work beyond a regular eight-hour day and for any work performed on Saturday, Sunday, or holidays, the charges for City personnel, including inspection, required on the job site shall be the responsibility of the Contractor and all costs therefor shall be deducted from the payments due the Contractor. The cost of City personnel shall be computed pursuant to adopted City salary schedules, overtime policies, fringe benefits, and overhead costs.

6-3.1 General

Add the following paragraph following paragraph one:

In the event a suspension of work is ordered because of failure on the part of the Contractor to carry out orders given or to perform any provisions of the Work, such suspension of work shall not relieve the Contractor of its responsibility to complete the work within the time limit set forth herein and shall not be considered cause for extension of the time for completion, and further, such suspension of work shall not entitle the Contractor to any additional compensation.

6-5 *TERMINATION OF THE CONTRACT FOR CONVENIENCE*

In addition to the reasons for termination listed in Section 6-5 of the Standard Specifications, which allow termination upon any written notice, the City may cancel the Contract for any other reason or for no reason upon 30 Days' written notice. The rest of the procedure outlined in Section 6-5 shall apply to such situation, including the Contractor's required immediate notification of Subcontractors and suppliers and the payment. In no event (including termination for impossibility or impracticability, due to conditions or events beyond the control of the City, for any other reason or for no reason) shall the total amount of money to Contractor exceed the amount which would have been paid to the Contractor for the full performance of the services described in the Contract.

Furthermore, some of the City's projects are funded in whole or in part by funds other than the City's General Fund. If this Project is funded by such external funds in whole or in part, or if those external funds are terminated or reduced at any time and for any reason or for no reason at all, and the City determines at its discretion that no other funding is available for continuation of this Project, the City will not be obligated to continue funding for the services contained in these Contract Documents and may terminate the Project immediately. The City shall reimburse the Contractor for its work satisfactorily completed until the termination date. In no event shall the total amount of money to the Contractor exceed the amount which the City has received in funding from its external source. The Special Provisions may include further details in this regard.

6-6 *DELAYS AND EXTENSIONS OF TIME*

Unless otherwise agreed in writing, an adjustment to the Contract time by reason of a Change Order shall be agreed to at the time the Change Order is issued and accepted by the Contractor. If the Change Order does not reserve the right of the parties, or either of them, to seek an adjustment to the Contract time, then the parties forever relinquish and waive such right and there shall be no further adjustments to the Contract time.

6-6.1 Extensions of Time

In the event it is deemed appropriate by the City to extend the time for completion of the Work, any such extension shall not release any guarantee for the Work required by the Contract Documents, nor shall any such extension of time relieve or release the Sureties on the Bonds executed. In executing such Bonds, the Sureties shall be deemed to have expressly agreed to any such extensions of time. The amount of time allowed by an extension of time shall be limited to the period of the delay giving rise to the same as determined by the City. Notwithstanding any dispute which may arise in connection with a claim for adjustment of the Contract time, the Contractor shall promptly proceed with the Work.

6-6.2 Payment for Delays

Notwithstanding any other terms and conditions of the Contract Documents, the City shall have no obligation whatsoever to increase the Contract Price or extend the time for delays.

Unless compensation and/or mark up is agreed upon by the City, the Contractor agrees that no payment of compensation of any kind shall be made to the Contractor for damages or increased overhead costs caused by any delays in the progress of the Contract, whether such delays are avoidable or unavoidable or caused by any act or omission of the City or its agents. Any accepted delay claim shall be fully compensated for by an extension of time to complete the performance of the Work.

This Section shall not apply to compensable delays caused solely by the City. If a compensable delay is caused solely by the City, the Contractor shall be entitled to a Change Order that: (1) extends the time for completion of the Contract by the amount of delay caused by the City; and (2) provides equitable adjustment, as determined by the City, to the Contractor.

Add the following as section 6-7.2:

6-7.2 Working Day

The term "Working Day" shall mean any calendar day except Saturdays, Sundays, and the following holidays:

New Year's Day	January 1
Martin Luther King, Jr. Day	3rd Monday in January
Presidents' Day	3rd Monday in February
Memorial Day	Last Monday in May
Independence Day	July 4
Labor Day	1st Monday in September
Columbus Day	2nd Monday in October
Veterans' Day	November 11
Thanksgiving	4th Thursday in November
Friday after Thanksgiving	4th Friday in November
Christmas Day	December 25

If a holiday falls upon a Sunday, the following Monday shall be the day the holiday is observed, and if a holiday falls upon a Saturday, the preceding Friday shall be the day the holiday is observed.

6-7.3 Contract Time Accounting

Add the following at the end of Subsection 6-7.3:

The Contract Time for completion of the Work, including corrective items of Work, shall be in accordance with Section 4 of the Contract. Contract Time extensions, when granted by the Engineer, will be in Working Days and in accordance with the Contract Documents, and will be set forth in writing via Change Order.

Add the following as section 6-7.3.1:

6-7.3.1 Hours of Work

The Contractor shall not conduct any operations or perform any Work pertaining to the

Project as defined herein, between the hours of 4:30 p.m. and 7:30 a.m. on any day nor on Saturday, Sunday, or holidays at any time except as approved by the Engineer. In the event that the Contractor abuses the hours of work requirement, a written warning will follow. After each additional warning, a \$200.00 penalty will be deducted from the Contract amount. All operations or Work pertaining to the Project, shall be in conformance with Manhattan Beach Municipal Code Section 9.44.030 - "Construction Hours and Prohibited Days."

6-8 COMPLETION, ACCEPTANCE AND WARRANTY

The Contractor shall complete all Work under the Contract within the stipulated Working Days from the Notice to Proceed, as stated in the Contract. The Contractor shall not be allowed to begin any construction activity at the site before the issuance of the Notice to Proceed. Between the period of the Notice of Award and Notice to Proceed, the Contractor shall process Shop Drawings and begin procuring equipment and materials.

6-8.2 Acceptance

The Project will not be considered complete and ready for City Council direction to staff regarding recordation of the Notice of Completion until all Work required by the Contract Documents has been fully completed in compliance with the Contract Documents and all Applicable Laws including, but not limited to, correction or completion of all punch list items, the Work site is cleaned up in accordance with Section 7-8 of the Standard Specifications, the General Provisions, and the Special Provisions, and all of the following items have been received by the Engineer:

1. A form of Notice of Completion, with all information required by the California Civil Code;
2. All written guarantees, warranties, and special warranties if applicable;
3. All "as-builts" and record drawings;
4. Duly completed and executed forms of Conditional Waiver and Release On Final Payment from the Contractor, Subcontractors of any tier, suppliers, and other person eligible to file stop notices in connection with the Work; and
5. Duplicate copies of all operating instructions and manufacturer's operating catalogs and data, together with such field instructions as necessary to fully instruct City personnel in correct operation and maintenance procedures for all equipment installed listed under the electrical, air conditioning, heating, ventilating and other trades. This data and instructions shall be furnished for all equipment requiring periodic adjustments, maintenance or other operation procedures.

The Contractor shall allow at least seven Working Days notice for final inspection. Such notice shall be submitted to the Engineer in writing.

6-8.3 Warranty

For the purposes of the calculation of the start of the warranty period, the Work shall be deemed to be completed upon the date of recordation of the Notice of Completion. If that direction is contingent on the completion of any items remaining on a punchlist, the Work shall be deemed to be completed upon the date of the Engineer's acceptance of the final item(s) on that punchlist.

The Contractor shall repair or replace defective materials and workmanship as required in Section 6-8.3 of the Standard Specification at its own expense. Additionally, the Contractor agrees to defend, indemnify and hold the City harmless from claims of any kind arising from damage, injury or death due to such defects.

The parties agree that no certificate given shall be conclusive evidence of the faithful performance of the Contract, either in whole or in part, and that no payment shall be construed to be in acceptance of any defective Work or improper materials. Further, the certificate or final payment shall not terminate the Contractor's obligations under the warranty herein. The Contractor agrees that payment of the amount due under the Contract and the adjustments and payments due for any Work done in accordance with any alterations of the same, shall release the City, the City Council and its officers and employees from any and all claims or liability on account of Work performed under the Contract or any alteration thereof.

6-9 LIQUIDATED DAMAGES

For the purposes of the calculation of the start of the liquidated damages, the Work shall be deemed to be completed when the same has been completed in accordance with the Plans and Specifications therefor and to the satisfaction of the Engineer, and the Engineer has certified such completion in accordance with Section 6-8.1 of the Standard Specifications. The liquidated damages value is hereby amended to be \$2,500 per day.

SECTION 7. RESPONSIBILITIES OF THE CONTRACTOR

The first paragraph of Section 7-3.1 of the Standard Specifications shall not be incorporated and shall instead be replaced with the following:

The Contractor shall provide and maintain insurance naming the City, its elected and appointed officials, officers, employees, attorneys, agents, designated volunteers, and independent contractors in the role of City officials as insureds or additional insureds regardless of any inconsistent statement in the policy or any subsequent endorsement whether liability is attributable to the Contractor or the City. The insurance provisions shall not be construed to limit the Contractor's indemnity obligations contained in the Contract. The City will not be liable for any accident, loss, or damage to the Work before completion, except as otherwise specified in Section 6-10.

The first sentence of Section 7-8.4.2 shall not be incorporated, and shall instead be replaced with the following:

Construction materials and equipment shall not be stored in Streets, roads, or highways unless otherwise specified in the Special Provisions or approved by the Engineer.

The first sentence of the second paragraph of Section 7-9 of the Standard Specifications shall not be incorporated, and shall instead be replaced with the following:

The Contractor shall relocate, repair, replace, or reestablish all existing improvements within the Project limits which are not designated for removal (e.g., curbs, sidewalks, driveways, signal loops, fences, walls, sprinkler systems, signs, Utility installations, pavements, structures, etc.) which are damaged or removed

as a result of the Contractor's or the Subcontractors' operations or as required by the Plans and Specifications.

The last paragraph of Subsection 7-9 of the Standard Specifications shall not be incorporated, and shall instead be replaced with the following:

All costs to the Contractor for protecting, removing, restoring, relocating, repairing, replacing, or reestablishing existing improvements shall be included in the Bid.

Section 7-12 of the Standard Specifications shall not be incorporated, and shall instead be replaced with the following:

The names, addresses and specialties of the Contractor, Subcontractors, architects or engineers may not be displayed on any signage within the public right-of-way. This signage prohibition includes advertising banners hung from truck beds or other equipment.

Otherwise, the provisions below shall supplement but not replace those provisions in Section 7 of the Standard Specifications.

7-1 THE CONTRACTOR'S EQUIPMENT AND FACILITIES

The use of excessively loud equipment and warning signals shall be avoided, except in those cases required for the protection of personnel.

7-2 LABOR

7-2.2.1 Public Work

The Contractor acknowledges that the Project is a "public work" as defined in Labor Code Section 1720 *et seq.* ("Chapter 1"), and that this Project is subject to (a) Chapter 1, including without limitation Labor Code Section 1771 and (b) the rules and regulations established by the Director of Industrial Relations ("DIR") implementing such statutes. The Contractor shall perform all Work on the Project as a public work. The Contractor shall comply with and be bound by all the terms, rules and regulations described in (a) and (b) as though set forth in full herein.

7-2.2.2 Copies of Wage Rates

Pursuant to Labor Code Section 1773.2, copies of the prevailing rate of per diem wages for each craft, classification, or type of worker needed to perform the Project are on file at City Hall and will be made available to any interested party on request. By initiating any Work on this Project, the Contractor acknowledges receipt of a copy of the DIR determination of such prevailing rate of per diem wages, and the Contractor shall post such rates at each job site covered by these Contract Documents.

7-2.2.3 Failure to Pay Prevailing Rates

The Contractor shall comply with and be bound by the provisions of Labor Code Sections 1774 and 1775 concerning the payment of prevailing rates of wages to workers and the penalties for failure to pay prevailing wages. The Contractor shall, as a penalty paid to the City, forfeit \$200.00 for each calendar day, or portion thereof, for each worker paid less than the prevailing rates as

determined by the DIR for the work or craft in which the worker is employed for any public work done pursuant to these Contract Documents by the Contractor or by any Subcontractor.

7-2.2.4 Apprentices

The Contractor shall comply with and be bound by the provisions of Labor Code Sections 1777.5, 1777.6 and 1777.7 and California Code of Regulations Title 8, Section 200 *et seq.* concerning the employment of apprentices on public works projects. The Contractor shall be responsible for compliance with these Sections for all apprenticeable occupations. Before commencing Work on this Project, the Contractor shall provide the City with a copy of the information submitted to any applicable apprenticeship program. Within 60 Days after concluding Work, Contractor and each of its Subcontractors shall submit to the City a verified statement of the journeyman and apprentice hours performed under this Contract.

7-2.2.5 Debarment or Suspension

The Contractor shall not perform Work with any Subcontractor that has been debarred or suspended pursuant to California Labor Code Section 1777.1 or any other federal or State law providing for the debarment of contractors from public works. The Contractor and Subcontractors shall not be debarred or suspended throughout the duration of the Contract pursuant to Labor Code Section 1777.1 or any other federal or State law providing for the debarment of contractors from public works. If the Contractor or any Subcontractor becomes debarred or suspended during the duration of the Project, the Contractor shall immediately notify the City.

7-2.3 Payroll Records

The Contractor shall comply with and be bound by the provisions of Labor Code Section 1776, which requires the Contractor and each Subcontractor to (1) keep accurate payroll records and verify such records in writing under penalty of perjury, as specified in Section 1776, (2) certify and make such payroll records available for inspection as provided by Section 1776, and (3) inform the City of the location of the records. The Contractor has ten days in which to comply subsequent to receipt of a written notice requesting these records, or as a penalty to the City, the Contractor shall forfeit \$100.00 for each Day, or portion thereof, for each worker, until strict compliance is effectuated. Upon the request of the Division of Labor Standards Enforcement, these penalties shall be withheld from progress payments then due.

7-2.4 Hours of Labor

The Contractor acknowledges that eight hours labor constitutes a legal day's work. The Contractor shall comply with and be bound by Labor Code Section 1810. The Contractor shall comply with and be bound by the provisions of Labor Code Section 1813 concerning penalties for workers who work excess hours. The Contractor shall, as a penalty paid to the City, forfeit \$25.00 for each worker employed in the performance of this Project by the Contractor or by any Subcontractor for each calendar day during which such worker is required or permitted to work more than eight hours in any one calendar day and 40 hours in any one calendar week in violation of the provisions of Division 2, Part 7, Chapter 1, Article 3 of the Labor Code. Pursuant to Labor Code Section 1815, work performed by employees of the Contractor in excess of eight hours per day, and 40 hours during any one week shall be permitted upon public work upon compensation for all hours worked in excess of eight hours per day at not less than one and one-half times the basic rate of pay.

7-2.5 Registration with the DIR

In accordance with Labor Code Sections 1725.5 and 1771.1, no contractor or Subcontractor shall be qualified to bid on, be listed in a bid proposal, subject to the requirements of Section 4104 of the Public Contract Code, or engage in the performance of any contract for public work, unless currently registered and qualified to perform public work pursuant to Section 1725.5.

7-2.6 Compliance Monitoring and Posting Job Sites

This Project is subject to compliance monitoring and enforcement by the DIR. The Contractor shall post job site notices, as prescribed by regulation.

7-2.7 Subcontractors

For every Subcontractor who will perform Work on the Project, the Contractor shall be responsible for such Subcontractor's compliance with Chapter 1 and Labor Code Sections 1860 and 3700, and the Contractor shall include in the written Contract between it and each Subcontractor a copy of the provisions in this Section 7-2 of the General Provisions and a requirement that each Subcontractor shall comply with those provisions. The Contractor shall be required to take all actions necessary to enforce such contractual provisions and ensure Subcontractor's compliance, including without limitation, conducting a periodic review of the certified payroll records of the Subcontractor and upon becoming aware of the failure of the Subcontractor to pay its workers the specified prevailing rate of wages. The Contractor shall diligently take corrective action to halt or rectify any failure.

7-2.9 Prevailing Wage Indemnity

To the maximum extent permitted by law, the Contractor shall indemnify, hold harmless and defend (at the Contractor's expense with counsel reasonably acceptable to the City) the City, its officials, officers, employees, agents and independent contractors serving in the role of City officials, and volunteers from and against any demand or claim for damages, compensation, fines, penalties or other amounts arising out of or incidental to any acts or omissions listed in Section 7-2 of the General Provisions by any Person (including the Contractor, its Subcontractors, and each of their officials, officers, employees and agents) in connection with any Work undertaken or in connection with the Contract Documents, including without limitation the payment of all consequential damages, attorneys' fees, and other related costs and expenses. All duties of the Contractor under this Section 7-2.9 shall survive expiration or termination of the Contract.

7-3 *INSURANCE*

The Contractor shall at all times during the term of the Contract carry, maintain, and keep in full force and effect the insurance referenced in Section 7-3 of the Standard Specifications, as modified below.

7-3.1.1 Acceptability of Insurers.

The insurance policies required under this Section 7-3 shall be issued by an insurer admitted to write insurance in the State of California with a rating of A:VII or better in the latest edition of the A.M. Best Insurance Rating Guide. Self insurance shall not be considered to comply with the insurance requirements under this Section 7-3.

7-3.1.2 Additional Insured.

The City, its elected and appointed officials, officers, employees, attorneys, agents, designated volunteers, and independent contractors in the role of City officials, shall be the insured or named as additional insureds covering the Work, regardless of any inconsistent statement in the policy or any subsequent endorsement, whether liability is attributable to the Contractor or the City. The commercial general and automobile liability policies shall contain an endorsement naming City, its officers, employees, agents and volunteers as additional insureds. This provision shall also apply to any excess/umbrella liability policies.

7-3.1.3 Primary and Non-Contributing.

The insurance policies required under this Section 7-3 shall apply on a primary non-contributing basis in relation to any other insurance or self-insurance available to the City. Any insurance or self-insurance maintained by the City, its officers, employees, agents or volunteers, shall be in excess of the Contractor's insurance and shall not contribute with it. This provision shall also apply to any excess/umbrella liability policies.

7-3.1.4 Contractor's Waiver of Subrogation.

The insurance policies required under this Section 7-3 shall not prohibit the Contractor and the Contractor's employees, agents or Subcontractors from waiving the right of subrogation prior to a loss. The Contractor hereby waives all rights of subrogation against the City.

7-3.1.5 Deductibles and Self-Insured Retentions.

Any deductibles or self-insured retentions must be declared to and approved by the City. At the City's option, the Contractor shall either reduce or eliminate the deductibles or self-insured retentions with respect to the City, or the Contractor shall procure a bond guaranteeing payment of losses and expenses.

7-3.1.6 Cancellations or Modifications to Coverage.

The Contractor shall not cancel, reduce or otherwise modify the insurance policies required by this Section 7-3 during the term of the Contract. The commercial general and automobile liability policies required under the Contract shall be endorsed to state that should the issuing insurer cancel the policy before the expiration date, the issuing insurer will endeavor to mail 30 days' prior written notice to the City. If any insurance policy required under this Section 7-3 is canceled or reduced in coverage or limits, the Contractor shall, within two business days of notice from the insurer, phone, fax or notify the City via certified mail, return receipt requested, of the cancellation of or changes to the policy.

7-3.1.7 City Remedy for Noncompliance.

If the Contractor does not maintain the policies of insurance required under this Section 7-3 in full force and effect during the term of the Contract, or in the event any of the Contractor's policies do not comply with the requirements under this Section 7-3, the City may either immediately terminate the Contract or, if insurance is available at a reasonable cost, the City may, but has no duty to, take out the necessary insurance and pay, at the Contractor's expense, the premium thereon. The Contractor shall promptly reimburse the City for any premium paid by the City or

the City may withhold amounts sufficient to pay the premiums from payments due to the Contractor.

7-3.1.8 Evidence of Insurance.

At least two Working Days prior to the performance of Services under the Contract, the Contractor shall furnish the City's Risk Manager with a certificate or certificates of insurance and all original endorsements (both of which must reference the same Policy number), evidencing and effecting the coverages required under Section 7-3 of the Standard Specifications, as modified by this Section 7-3. The endorsements are subject to approval by the City's Risk Manager. The Contractor may provide complete, certified copies of all required insurance policies to the City. The Contractor shall provide proof to the City's Risk Manager that insurance policies expiring during the term of the Contract have been renewed or replaced with other policies providing at least the same coverage. The Contractor shall furnish such proof at least two weeks prior to the expiration of the coverages.

The endorsements are to be signed by a person authorized by that insurer to bind coverage on its behalf. The endorsements must specifically name the City of Manhattan Beach and its elected and appointed officials, officers, employees, attorneys, agents, designated volunteers, and independent contractors in the role of City officials as insureds or additional insureds. The Contractor shall maintain current insurance certificates and endorsements on file with the City's Risk Manager at all times during the term of this Contract. The City reserves the right to require complete, certified copies of all required insurance policies at any time.

Where the Contractor has entered into an agreement with a Professional Employment Organization (PEO) to provide human resources, workers' compensation insurance, or other benefits to the Contractor's employees, the Contractor must also submit the agreement with the PEO. If the evidence of insurance submitted by the Contractor pursuant to this Section 7-3 evidences that the insurance is provided by the PEO, all such PEO-provided insurance coverages and indemnities must comply with the requirements of these Contract Documents.

7-3.1.9 Indemnity Requirements not Limiting.

Procurement of insurance by the Contractor shall not be construed as a limitation of Contractor's liability or as full performance of the Contractor's duty to indemnify the City under Section 7-4 of the Contract.

7-3.1.10 Subcontractor Insurance Requirements.

The Contractor shall require each of its Subcontractors that perform Services under the Contract to maintain insurance coverage that meets all of the requirements of this Section 7-3.

7-3.1.11 Replacement Insurance

The Contractor agrees that it will not cancel, reduce or otherwise modify the insurance coverage. The Contractor agrees that if it does not keep the required insurance in full force and effect, and such insurance is available at a reasonable cost, the City may take out the necessary insurance and pay the premium thereon, and the repayment thereof shall be deemed an obligation of the Contractor and the cost of such insurance may be deducted, at the option of the City, from payments due the Contractor. This shall be in addition to all other legal options available to the City to enforce the insurance requirements.

7-3.1.12 Subcontractors

The Contractor shall ensure all Subcontractors and their employees are listed as additional insureds on all of the Contractor's insurance.

7-3.2 General Liability Insurance

Instead of the minimum limits listed in Section 7-3.2 of the Standard Specifications, the Contractor shall procure and at all times during the term of the Contract carry, maintain, and keep in full force and effect Commercial General Liability Insurance with a minimum limit of \$2,000,000.00 per occurrence for bodily injury, personal injury and property damage and a general aggregate limit of \$2,000,000.00 per project or location. If the Contractor is a limited liability company, the commercial general liability coverage shall be amended so that the Contractor and its managers, affiliates, employees, agents and other persons necessary or incidental to its operation are insureds.

7-3.3 Workers' Compensation Insurance

Workers' Compensation Insurance as required by the State of California and Employer's Liability Insurance with a minimum limit of \$1,000,000.00 per accident for bodily injury or disease. If the Contractor has no employees while performing the Work under the Contract, a Workers' Compensation policy is not required, but the Contractor shall execute a declaration that it has no employees.

7-3.4 Automobile Insurance

Instead of the minimum limits listed in Section 7-3.4 of the Standard Specifications, the Contractor shall procure and at all times during the term of the Contract carry, maintain, and keep in full force and effect Automobile Liability Insurance for any owned, non-owned or hired vehicle used in connection with the performance of the Contract with a combined single limit of \$2,000,000.00 per accident for bodily injury and property damage. If the Contractor does not use any owned, non-owned or hired vehicles in the performance of the Work under this Contract, the Contractor shall obtain a non-owned auto endorsement to the Commercial General Liability policy required by Subsection 7-3.2.

7-3.5 Insurance Requirements not Limiting

If the Contractor maintains broader coverage and/or higher limits than the minimums required above, the City requires and shall be entitled to the broader coverage and/or the higher limits maintained by the Contractor. Any available insurance proceeds in excess of the specified minimum limits of insurance and coverage shall be available to the City.

7-4 *INDEMNIFICATION*

The following indemnity provisions shall supersede the indemnity in Section 7-3.1 of the Standard Specifications.

7-4.1 Indemnities for Third Party Claims.

To the fullest extent permitted by law, the Contractor shall, at its sole cost and expense, defend, hold harmless and indemnify the City and its elected officials, officers, attorneys, agents,

employees, designated volunteers, successors, assigns and those City agents serving as independent contractors in the role of City officials (collectively "Indemnitees"), from and against any and all damages, costs, expenses, liabilities, claims, demands, causes of action, proceedings, expenses, judgments, penalties, liens, and losses of any nature whatsoever, including fees of accountants, attorneys, or other professionals and all costs associated therewith and the payment of all consequential damages (collectively "Liabilities"), in law or equity, whether actual, alleged or threatened, which arise out of, are claimed to arise out of, pertain to, or relate to the acts or omissions of the Contractor, its officers, agents, servants, employees, Subcontractors, materialmen, contractors or their officers, agents, servants or employees (or any entity or individual that the Contractor shall bear the legal liability thereof) in the performance of the Contract, including the Indemnitees' active or passive negligence, except for Liabilities arising from the sole negligence or willful misconduct of the Indemnitees, as determined by final arbitration or court decision or by the agreement of the Parties. The Contractor shall defend the Indemnitees in any action or actions filed in connection with any Liabilities with counsel of the Indemnitees' choice, and shall pay all costs and expenses, including all attorneys' fees and experts' costs actually incurred in connection with such defense. The Contractor shall reimburse the Indemnitees for any and all legal expenses and costs incurred by Indemnitees in connection therewith.

7-4.1.1 Taxes and Workers' Compensation

The Contractor shall pay all required taxes on amounts paid to the Contractor under the Contract, and indemnify and hold the City harmless from any and all taxes, assessments, penalties, and interest asserted against the City by reason of the independent contractor relationship created by the Contract. The Contractor shall fully comply with the Workers' Compensation law regarding the Contractor and the Contractor's employees. The Contractor shall indemnify and hold the City harmless from any failure of the Contractor to comply with applicable Workers' Compensation laws. The City may offset against the amount of any fees due to the Contractor under the Contract any amount due to the City from the Contractor as a result of the Contractor's failure to promptly pay to the City any reimbursement or indemnification arising under this Subsection 7-4.1.1.

7-4.1.2 Subcontractor Indemnity Agreements

The Contractor shall obtain executed indemnity agreements with provisions identical to those in this Section 7-4 from each and every Subcontractor or any other person or entity involved by, for, with or on behalf of the Contractor in the performance of the Contract. If the Contractor fails to obtain such indemnity obligations, the Contractor shall be fully responsible and indemnify, hold harmless and defend the Indemnitees from and against any and all Liabilities at law or in equity, whether actual, alleged or threatened, which arise out of, are claimed to arise out of, pertain to, or relate to the acts or omissions of the Contractor's Subcontractor, its officers, agents, servants, employees, Subcontractors, materialmen, contractors or their officers, agents, servants or employees (or any entity or individual that the Contractor's Subcontractor shall bear the legal liability thereof) in the performance of the Contract, including the Indemnitees' active or passive negligence, except for Liabilities arising from the sole negligence or willful misconduct of the Indemnitees, as determined by final arbitration or court decision or by the agreement of the Parties.

7-4.2 Workers' Compensation Acts not Limiting.

The Contractor's indemnifications and obligations under this Section 7-4, or any other provision of the Contract, shall not be limited by the provisions of any Workers' Compensation act or similar

act. The Contractor expressly waives its statutory immunity under such statutes or laws as to the City, its officers, agents, employees and volunteers.

7-4.3 Insurance Requirements not Limiting.

The City does not, and shall not, waive any rights that it may possess against the Contractor because of the acceptance by the City, or the deposit with the City, of any insurance policy or certificate required pursuant to the Contract. The indemnities in this Section 7-4 shall apply regardless of whether or not any insurance policies are determined to be applicable to the Liabilities, tax, assessment, penalty or interest asserted against the City.

7-4.4 Survival of Terms.

The Contractor's indemnifications and obligations under this Section 7-4 shall survive the expiration or termination of the Contract.

7-4.5 Civil Code Exception.

Nothing in this Section 7-4 shall be construed to encompass Indemnitees' sole negligence or willful misconduct to the limited extent that the underlying Contract is subject to Civil Code Section 2782(a) or the City's active negligence to the limited extent that the underlying Contract Documents are subject to Civil Code Section 2782(b), provided such sole negligence, willful misconduct or active negligence is determined by agreement between the parties or by the findings of a court of competent jurisdiction.

7-4.6 Nonwaiver of Rights.

Indemnitees do not and shall not waive any rights that they may possess against the Contractor because the acceptance by the City, or the deposit with the City, of any insurance policy or certificate required pursuant to these Contract Documents. This indemnity provision is effective regardless of any prior, concurrent, or subsequent active or passive negligence by Indemnitees and shall operate to fully indemnify Indemnitees against any such negligence.

7-4.7 Waiver of Right of Subrogation.

The Contractor, on behalf of itself and all parties claiming under or through it, hereby waives all rights of subrogation and contribution against the Indemnitees, while acting within the scope of their duties, from all Claims arising out of or incident to the activities or operations performed by or on behalf of the Contractor regardless of any prior, concurrent or subsequent active or passive negligence by Indemnitees.

7-5 *PERMITS*

Before starting any construction work, the Contractor will be required to obtain all necessary permits from the City, which may include obtaining a no fee encroachment permit for Work within the public right-of-way, as well as all other permits required from all other agencies. Should this Project require construction of trenches or excavations which are five feet or deeper and into which a person is required to descend, the Contractor shall obtain a Cal/OSHA permit and furnish the City with a copy before Work can commence on this Project. The Contractor shall bear all cost for fees for all agencies except for the City's permit fees.

The Contractor shall procure all permits and licenses (including a City of Manhattan Beach business license), pay all charges and fees, and give all notices necessary and incidental to the due and lawful prosecution of the work. All City of Manhattan Beach permits required for the performance of the Contract shall be issued on a "no fee" basis. Permits required by other agencies shall be obtained by the City for all work within the City of Manhattan Beach.

7-7 COOPERATION AND COLLATERAL WORK

The Contractor shall be responsible for coordinating all Work with the City's street sweeping, trash pick-up, and street maintenance contractors, emergency services departments, utility companies' crews, and others when necessary. Payment for conforming to these requirements shall be included in other items of Work, and no additional payment shall be made thereof.

7-8 WORKSITE MAINTENANCE

Clean-up shall be done as Work progresses at the end of each day and thoroughly before weekends. The Contractor shall not allow the Work site to become littered with trash and waste material, but shall maintain the same in a neat and orderly condition throughout the construction operation. Materials which need to be disposed shall not be stored at the Project site, but shall be removed by the end of each Working Day. If the job site is not cleaned to the satisfaction of the Engineer, the cleaning will be done or contracted by the City and shall be back-charged to the Contractor and deducted from the Contract Price.

The Contractor shall make arrangements for storing its equipment and materials. The Contractor shall make its own arrangements for any necessary off-site storage or shop areas necessary for the proper execution of the Work. Approved areas within Work site may be used for temporary storage; however, the Contractor shall be responsible for obtaining any necessary permits from the City. In any case, the Contractor's equipment and personal vehicles of the Contractor's employees shall not be parked on the traveled way or on any section where traffic is restricted at any time.

The Contractor shall deliver, handle, and store products in accordance with the manufacturer's written recommendations and by methods and means that will prevent damage, deterioration, and loss including theft. Delivery schedules shall be controlled to minimize long-term storage of products at the Project site and overcrowding of construction spaces. In particular, the Contractor shall provide delivery and installation coordination to ensure minimum holding or storage times for products recognized to be flammable, hazardous, easily damaged, or sensitive to deterioration, theft, and other sources of loss.

Storage shall be arranged to provide access for inspection. The Contractor shall periodically inspect to ensure products are undamaged and are maintained under required conditions.

The Contractor shall promptly remove from the vicinity of the completed Work, all rubbish, debris, unused materials, concrete forms, construction equipment, and temporary structures and facilities used during construction. Final Acceptance of the Work by the City will be withheld until the Contractor has satisfactorily complied with the foregoing requirements for final clean-up of the Project site.

All costs associated with the clean-up and storage required to complete the Project shall be the sole responsibility of the Contractor.

Pursuant to the provisions of Section 7-8 and Section 7-10 of the Standard Specifications and these General Provisions, the Contractor is responsible for Project site maintenance and for public convenience and safety. Payment for compliance with these provisions is considered as included in the prices bid for other contract items.

The City, however, to maintain good public relations, may deem it necessary to require special Project site maintenance and public convenience and safety actions and work to be performed by the Contractor that are over and above those required by the provisions of Section 7-8 and Section 7-10 of the Standard Specifications and these General Provisions.

These actions and work shall be as directed by the Engineer in writing and payment for compliance therewith shall be on a cost plus basis for extra work per Section 3-3 of the Standard Specifications and applied against the not-to-exceed bid item for "Special Project Site Maintenance and Public Convenience and Safety."

7-10 SAFETY

The provisions below shall supplement but not replace those provisions in Subsection 7-10 of the Standard Specifications.

7-10.2 Haul Routes

Subsection 7-10.3 of the Standard Specifications shall be deleted and replaced as follows:

The Contractor must obtain the Engineer's approval before using any haul routes. Further detail requirements for haul traffic are delineated in the Special Provisions.

7-10.5.3 Steel Plate Covers

The Contractor shall cover all openings, trenches and excavations at the end of each Work Day with steel plate covers.

7-15 RECYCLING OF MATERIALS

Subsection 7-15 is hereby added to the Standard Specifications as follows:

7-15.1 Recycling of Asphalt Concrete, Portland Cement Concrete, Aggregate Base, and Green Waste are Required

The records of disposal, including scale tonnages, shall be furnished to the City on a monthly basis. Failure to comply with the requirements of this Section will result in delay of progress payment.

7-15.2 Contractor's Obligation

The City is committed to a recycling program. If available, it is the obligation of the Contractor, under the Contract, to recycle the waste material through an approved recycling plant. Records and reports of waste recycle will be submitted to the City on a regular monthly basis.

SECTION 8. FACILITIES FOR AGENCY PERSONNEL

The provisions of Section 8 of the Standard Specifications shall apply except as modified herein. No field offices for City personnel shall be required; however, City personnel shall have the right to enter upon the Project at all times and shall be admitted to the offices of the Contractor to use the telephone, desk and sanitary facilities provided by the Contractor for its own personnel.

SECTION 9. MEASUREMENT AND PAYMENT

The provisions below shall supplement but not replace those provisions in Section 9 of the Standard Specifications.

9-1.1 General

Add the following at the end of Subsection 9-1.1:

All items of Work which are not designated on the Bid Schedule by the letters "F" or "LS" or words "Final" or "Lump Sum" shall have final pay quantities measured and paid for in accordance with the Standard Specifications and these General Provisions.

9-1.2 Methods of Measurement

The Contract Price shall constitute full compensation for all labor, equipment, materials, tools and incidentals required to complete the Project as outlined in these Contract Documents and as directed by the Engineer.

9-2 LUMP SUM WORK

Delete the first sentence of Subsection 9-2 and substitute the following:

Items of Work which are designated by the letters "LS" or the words "Lump Sum" in the Unit column of the Bid Schedule shall be paid for at the price indicated in the Bid, unless the dimensions of the Work, as shown on the Plans, are revised by the Engineer. If such dimensions are revised and such revisions result in an increase or decrease in the quantity of such Work, the final payment for the lump sum item will be revised in proportion to the change in dimensions authorized by Change Order.

Add the following at the end of Subsection 9-2:

The Contractor shall submit a Work item breakdown of the Bid, described in the second paragraph of Subsection 9-2, "Lump Sum Work," of the Standard Specifications, within ten Working Days after award of the Contract and/or at any other time as required by the Engineer.

No guarantee is made regarding the amount of Work required to complete a lump sum item of Work.

9-2.1 Progress Payments for Lump Sum Items of Work

The word "Complete" in the Estimated Quantities column of the Bid Schedule for a lump sum item of Work shall mean that payment for that item will only be made after all Work for that item has been completed. The "%" symbol in the Estimated Quantities column of the Bid Schedule for a lump sum item of Work shall mean that progress payments for that item will be

allowed based on the percentage of completion as determined by the Engineer in each pay period, typically every 30 days. (See Subsection 9-3.2 of the Standard Specifications and these General Provisions.)

9-3 PAYMENT

9-3.1 General

In accordance with Public Contract Code Section 7107, if no claims have been filed and are still pending, the amount deducted from the final estimate and retained by the City will be paid to the Contractor except such amounts as are required by law to be withheld by properly executed and filed notices to stop payment, or as may be withheld for any other lawful purposes.

Whenever the Contractor is required to perform work or furnish equipment, labor, tools, and materials of any class for which no price is fixed in the proposal, it shall be understood that such work, equipment, labor, tools, and materials shall be provided without extra charge, allowance, or direct payment of any kind. The cost of performing such work or furnishing such equipment, labor, tools, and materials shall be included in the unit bid prices in the proposal most closely related to the work and no additional compensation will be made thereof.

If any portion of the work done or materials furnished under the Contract shall prove defective or not in accordance with the Specifications and Contract drawings, and if the imperfection in the same is not of sufficient magnitude or importance to make the work dangerous or undesirable, the Engineer shall have the right and authority to retain the work instead of requiring it to be removed and reconstructed, but he shall make such deductions therefor in the payment due the Contractor as may be just and reasonable.

Delete the tenth paragraph of Subsection 9-3.1 and substitute the following:

Not later than 60 days from the date of Final Acceptance, the five percent deducted and retained from each progress estimate (see Subsection 9-3.2 of the Standard Specifications and these General Provisions) by the City will be paid to the Contractor except such amounts as are required by law to be withheld by properly executed and filed notices to stop payment, or as may be authorized by the Contract to be further retained.

9-3.2 Partial and Final Payment

9-3.2.1 Monthly Closure Date and Invoice Date

The Contractor shall prepare and submit the form attached herewith (see Appendix I), or its own form in an identical format, to the Engineer for all requests for progress payments for the work performed in accordance with the provisions of the Contract during the preceding month. The progress payment request shall be submitted monthly, and a maximum of one progress payment request may be submitted each month. The Contractor shall submit a Conditional Waiver and Release form (Civil Code Section 8132) with the applicable monthly progress payment request. Progress payment requests associated with work completed prior to June 30th (the end of the City's fiscal year), must be submitted no later than July 30th.

9-3.2.2 Payments

The City shall make payments within 30 Days after receipt of the Contractor's undisputed and properly submitted payment request, including an updated construction schedule pursuant to Section 6-1.1 of the General Provisions. The City shall return to the Contractor any payment request determined not to be a proper payment request as soon as practicable, but not later than seven Days after receipt, and shall explain in writing the reasons why the payment request is not proper. Acceptance by the Contractor of the payment made in accordance with the final estimate shall be a release to the City, its officers, agents, and employees excepting only claims against the City for any amount withheld by it at the time of such payment.

9-3.2.3 Retention

The City shall withhold not less than five percent from each progress payment. The City shall withhold not less than five percent of the Contract Price from the Final Payment Amount (defined in Section 9-3.2.4) until at least 35 days after recordation of the Notice of Completion, or recordation of a notice of cessation, but not longer than the period permitted by Public Contract Code Section 7107.

In addition to retained percentage and liquidated damages, the City may withhold payments to the Contractor including for defective work not remedied and other valid claims against the Contractor.

9-3.2.4 Final Invoice and Payment

Whenever the Contractor shall have completely performed the Contract in the opinion of the Engineer, the Contractor shall submit to the Engineer a written statement of the final quantities of Contract items in the form of the final invoice, which must have an identical format to the progress payment request form attached herewith (see Appendix I). Upon receipt of the final payment request, the Engineer shall check the quantities included therein and shall authorize a payment amount, which in the Engineer's opinion shall be just and fair, covering the value of the total amount of Work done by the Contractor, less all previous payments and all amounts to be retained under the provisions of the Contract Documents ("Final Payment Amount"). The Contractor shall submit a Conditional Waiver and Release form (Civil Code Section 8136) with the Final Payment request. The Engineer shall then request that the City accept the Work and that the City Clerk be authorized to file, on behalf of the City in the office of the County Recorder, a Notice of Completion of the Work herein agreed to be done by the Contractor. In addition, the final payment will not be released until the Contractor returns the control set of Plans and Specifications showing the redlined as-built conditions.

Final payment requests associated with work completed prior to June 30th (the end of the City's fiscal year), must be submitted no later than July 30th.

9-3.2.5 Substitute Security

In accordance with Public Contract Code Section 22300, the Contractor may request that it be permitted to substitute securities in lieu of having retention withheld by the City from progress payments when such payments become due or, in the alternative, the Contractor may request that the City make payments of earned retentions directly to an agreed upon designated escrow agent at the Contractor's expense. If the Contractor selects either one of these alternatives, the following shall control.

9-3.2.5.1 Substitution of Securities for Performance Retention

At some reasonable time before any progress payment would otherwise be due and payable to the Contractor in the performance of Work under these Contract Documents, the Contractor may submit a request to the City in writing to permit the substitution of retentions with securities equivalent to the amount estimated by the City (“estimated amount of retention”) to be withheld. The Contractor shall deposit such securities with the City or may, in the alternative, deposit such securities in escrow with a State or federally chartered bank in California, as the escrow agent, at the Contractor’s expense. Such securities will be the equivalent or greater in value of the estimated amount of retention. If the Contract is modified by written Modifications or Change Orders or the Contractor otherwise becomes entitled to receive an amount more than the Contract Price at the time the securities are deposited, the Contractor shall, at the request of the City, deposit with the City or escrow agent, whichever is applicable, additional securities within a reasonable time so that the amount of securities on deposit with the City or escrow agent is equivalent or greater in value than the amount of retention the City would otherwise be entitled to withhold from progress payments due or to become due to the Contractor as the Work progresses. The City shall withhold any retention amount that exceeds the security amount until the additional securities are deposited and, if the deposit is with an escrow agent, the City has confirmation from that escrow agent of the new total value of securities. Upon satisfactory completion of the Contract, which shall mean, among other things, that the City is not otherwise entitled to retain proceeds from progress payments as elsewhere provided in the Contract or under applicable law, the securities shall be returned to the Contractor. The City shall, within its sole discretion, determine whether the amount of the securities on deposit with the City or escrow agent is equal to or greater than the amount of estimated retention of progress payments that could otherwise be held by the City if the Contractor had not elected to substitute same with securities.

9-3.2.5.2 Deposit of Retention Proceeds with an Escrow Agent

As an alternative to the substitution of securities, as provided above, or the City otherwise retaining and holding retention proceeds from progress payments, the Contractor may request the City to make payments of retentions earned directly to an escrow agent with the same qualifications as required in Section 9-3.2.5.1 above and at the expense of the Contractor. At its sole expense, the Contractor may direct the investment of such retention payments into only such securities as mentioned in Section 9-3.2.5.3 below and shall be entitled to interest earned on such investments on the same terms provided for securities deposited by the Contractor. Upon satisfactory completion of the Contract, which shall mean when the City would not otherwise be entitled to withhold retention proceeds from progress payments had the Contractor not elected to have such proceeds deposited into escrow, the Contractor shall be allowed to receive from the escrow agent all securities, interest and payments deposited into escrow pursuant to the terms of this Section. The Contractor shall pay to each Subcontractor, not later than ten Days of receipt of payment, the respective amount of interest earned, net of costs attributed to retention withheld from each Subcontractor, on the amount withheld to ensure performance of the Contractor.

9-3.2.5.3 Subcontractor Entitlement to Interest

If the Contractor elects to receive interest on any moneys withheld in retention by the City, then the Subcontractor shall receive the identical rate of interest received by the Contractor on any retention moneys withheld from the Subcontractor by the Contractor, less any actual pro rata costs associated with administering and calculating that interest. In the event that the interest rate is a fluctuating rate, the rate for the Subcontractor shall be determined by calculating the interest rate paid during the time that retentions were withheld from the Subcontractor. If the

Contractor elects to substitute securities in lieu of retention, then, by mutual consent of the Contractor and the Subcontractor, the Subcontractor may substitute securities in exchange for the release of moneys held in retention by the Contractor. The Contractor shall pay each Subcontractor, not later than ten Days after receipt of escrow moneys, the amount owed to each Subcontractor from the moneys plus the respective amount of interest earned, net of costs attributed to the retention held from each Subcontractor, on the amount of retention withheld to ensure performance of the Subcontractor.

9-3.2.5.4 Securities Eligible for Investment

Securities eligible for investment shall include those listed in Government Code Section 16430, bank or savings and loan certificates of deposit, interest-bearing demand deposit accounts, standby letters of credit, or any other security mutually agreed upon between the Contractor and the City. The Contractor shall be the beneficial owner of any securities substituted for any monies withheld and shall receive any interest thereon.

9-3.2.5.5 Escrow Agreement for Security Deposits in Lieu of Retention

The escrow agreement that shall be used for the deposit of securities in lieu of retention shall substantially conform to the form prescribed in Public Contract Code Section 22300(f).

9-3.2.5.6 Inconsistencies with Prevailing Statutory Requirements

If there is any inconsistency between or differences in Public Contract Code Section 22300 and the terms of this provision, or any future amendments thereto, Section 22300 shall control.

9-4 AUDIT

The City or its representative shall have the option of inspecting and/or auditing all records and other written materials used by the Contractor in preparing its billings to the City as a condition precedent to any payment to the Contractor or in response to a construction claim or a Public Records Act (Government Code Section 6250 *et seq.*) request. The Contractor will promptly furnish documents requested by the City at no cost. Additionally, the Contractor shall be subject to State Auditor examination and audit at the request of the City or as part of any audit of the City, for a period of three and one-half years after Final Acceptance under the Contract. The Contractor shall include a copy of this Section 9-4 in all contracts with its Subcontractors, and the Contractor shall be responsible for immediately obtaining those records or other written material from its Subcontractors upon a request by the State Auditor or the City. If the Project includes other auditing requirements, those additional requirements will be listed in the Special Provisions.

SECTION 10. CONSTRUCTION AND DEMOLITION WASTE MANAGEMENT PLAN

10.1 GENERAL

To ensure that solid waste generated in the City is reduced, reused or recycled, the Contractor shall submit a "Waste Management Plan" (WMP) to the Engineer for review and approval, using the form found at the end of this Section 10. After the WMP has been reviewed by the Engineer, it will be returned to the Contractor in one of the following four status conditions:

- "Approved"

- “Further Explanation Required”: The Engineer will return the WMP to the Contractor with questions about the WMP. The Contractor shall resubmit plan with each of the City’s questions answered thoroughly.
- “Denied”: The Engineer will indicate the reasons for denial. The Contractor shall then re-submit a new WMP that complies with the requirements of this Section or request an Infeasibility Exemption.
- “Infeasibility Exemption Approved”

The Contractor shall follow the WMP and document results during demolition and construction. Final documentation shall be submitted at the end of the project to the Engineer for review of compliance with the original WMP. The amount deducted from the final estimate and retained by the City in accordance with Section 9.3.1 and 9.3.2 shall be withheld until final WMP is submitted to the City and approved by the City.

10-2 DEFINITIONS

- a) “Construction” means the building of any facility or structure or any portion thereof including any tenant improvements to an existing facility or structure.
- b) “Construction and Demolition Debris” means used or discarded materials removed from premises during construction of the Project.
- c) “Conversion Rate” means the rate set forth in the standardized Conversion Rate Table approved by the City Council pursuant to this Section for use in estimating the volume or weight of materials identified in a Construction and Demolition Waste Reduction and Recycling Plan.
- d) “Divert” means to use material for any purpose other than disposal in a landfill. Diversion credit is given for source reduction (waste reduction), recycling, and composting.
- e) “Diversion Requirement” means the diversion of at least 65% of the total Construction and Demolition Debris generated by a Project via reduction (source reduction), reuse or recycling, unless the Contractor has been granted an Infeasibility Exemption, in which case the Diversion Requirement shall be the maximum feasible diversion rate established by the Engineer.
- f) “Recycling” means the process of collecting, sorting, cleansing, treating, and reconstituting materials that would otherwise become solid waste, and returning them to the economic mainstream in the form of raw material for new, reused, or reconstituted products which meet the quality standards necessary to be used in the marketplace.
- g) “Renovation” means any change, addition, or modification in an existing structure.
- h) “Reuse” means further or repeated use of Construction or Demolition Debris. An example is the reuse of crushed concrete as road base or as aggregate on the construction site.
- i) “Salvage” means the controlled removal of Construction or Demolition Debris from project for the purpose of recycling, reuse, or storage for later recycling or reuse.
- j) “Construction and Demolition Waste Management Plan” means a completed form, approved by the Engineer for the purpose of compliance with this Section, submitted by the

Contractor/Contractor for any Covered or Noncovered Project that indicates the estimated diversion that the Contractor/Contractor anticipates in diverting from disposal.

k) “Construction and Demolition Waste Management Report” means a completed form, approved by the Engineer for the purpose of compliance with this Section, submitted by the Contractor for any Project that documents the disposal and diversion tonnages and destinations.

10-3 INFEASIBILITY EXEMPTION

a) Application. If the Contractor experiences unique circumstances that the Contractor believes make it infeasible to comply with the Diversion Requirement, the Contractor shall apply for an exemption at the time that it submits the WMP. The Contractor shall indicate on the WMP the maximum rate of diversion the Contractor believes is feasible for each material and the specific circumstances that the Contractor believes make it infeasible to comply with the Diversion Requirement.

b) The Engineer shall review the information supplied by the Contractor and may meet with the Contractor to discuss possible ways of meeting the Diversion Requirement. Based on the information supplied by the Contractor, the Engineer shall determine whether it is possible for the Contractor to meet the Diversion Requirement.

c) If the Engineer determines that it is infeasible for the Contractor to meet the Diversion Requirement due to unique circumstances, the Engineer shall determine the maximum feasible diversion rate for each material and shall indicate this rate on the WMP submitted by the Contractor. The Engineer shall return a copy of the WMP to the Contractor marked “Infeasibility Exemption Approved.”

d) Denial of Exemption. If the Engineer determines that it is possible for the Contractor to meet the Diversion Requirement, the Engineer shall so inform the Contractor in writing. The Contractor will have 15 days to resubmit a new WMP. If the Contractor fails to resubmit a new WMP, or if the resubmitted WMP does not comply with the requirements of the plan, the Engineer shall deny the WMP.

10-4 DIVERSION PROGRAM

The methodology used to calculate diversion is based on the Title 14, California Code of Regulations, Article 6.1 Solid Waste Generation Study, Section 18722 et seq, and is consistent with California Integrated Waste Management Board measurement protocols. The following equation defines the “Generation-Based Diversion Quantification Methodology”:

$$\begin{aligned} \text{Generation} &= \text{Disposal} + \text{Diversion} \\ \text{Diversion Rate (\%)} &= \frac{\text{Diversion Tons}}{\text{Generation Tons}} \end{aligned}$$

10-5 ADDITIONAL INFORMATION

Other materials to assist the Contractor in completing the WMP can be found on the City’s website at www.citymb.info.

- Construction and Demolition Debris Recycling Guide
- Construction and Demolition Recycling Brochure

The California Integrated Waste Management Board has also developed Technical Assistance Literature regarding construction and demolition waste reduction and recycling, which is available on-line at <http://www.ciwmb.ca.gov/ConDemo/>.

CITY OF MANHATTAN BEACH
Construction & Demolition Waste Management Plan

Manhattan Beach Municipal Code 5.26 requires construction projects to reuse or recycle 65% of all construction site waste (All Demo & Roof tear-off projects, and All construction with a total value of \$100,000+). All haulers and contractors MUST have a business license in the City of Manhattan Beach.

REQUIRED GOAL: REUSE OR RECYCLE A MINIMUM OF 65% OF ALL PROJECT WASTE

Instructions:

1. Complete entire WMP & submit to the Project Manager as a project submittal.
2. Reuse and/or recycle at least 65% of all construction site waste and keep good records of all facility waste tickets.
3. Submit a copy of this WMP and ALL recycling and landfill facility weight tickets before Final Inspection to the Project Manager as a new project submittal. **A COPY OF THIS WMP AND RECEIPTS OF ALL RECYCLING AND DISPOSAL SHALL BE SUBMITTED BEFORE FINAL PAYMENT WILL BE MADE BY THE CITY.**

Fines for Non-Compliance (MBMC 5.26.020): Demo projects up to \$5,000 and Construction projects up to \$10,000

Project Name: _____

Project Address: _____

Type of Project: Street Improvement Water Main Sewer Main
 Storm Drain Other

Total Bid Price: \$ _____

Requesting Infeasibility Exemption: Yes No

Contractor Name: _____ **Contact Name:** _____

Address: _____ **Contact Phone:** _____

Recycler: _____ **Recycler Contact:** _____

Recycler Address: _____ **Recycler Contact Phone:** _____

	CITY USE ONLY	
	Application (Date)	Final (Date)
Approved	_____	_____
Further explanation needed (see attached)	_____	_____
Denied	_____	_____
Infeasibility Exemption Approved	_____	_____
Reviewed By	_____	_____

Submit this form and the attached Waste Management Plan Table to:

**Engineering Division
City of Manhattan Beach
3621 Bell Avenue
Manhattan Beach, CA 90266**

CITY OF MANHATTAN BEACH
Construction & Demolition Waste Management Plan Table

Project Name: _____

Total Estimated Waste Generated by Project: _____ (**IN TONS**).
 (Ask your hauler, recycler or site cleanup vendor to assist you. Use receipts from your previous jobs for estimates.)

Complete and return with Building Permit Application				Complete and return with receipts prior to final building approval		
Material Type	Estimated Reused/ Recycled	Estimated Disposed/ Landfilled	Vendor or Facility to be Used (Destination)	Actual Reused/ Recycled	Actual Disposed/ Landfilled	Vendor or Facility Used (Destination)
Asphalt & Concrete						
Bricks/Masonry/Tiles						
Building Materials (doors, windows, fixtures, etc.)						
Cardboard						
Concrete Pavement and Grindings						
Drywall (new, unpainted)						
Asphalt Pavement Grindings						
Landscape Debris (Plant & Tree Trimmings)						
Scrap Metal						
Unpainted Wood & Pallets						
Other (painted wood & drywall, roofing, etc.)						
Mixed C&D*						
Trash/Garbage						
TOTAL						

*Mixed C&D is defined as a mixture of three or more materials (e.g., wood, drywall, roofing, etc.) from construction or demolition sites that will be taken to a "qualified" facility for recycling. (See C&D Debris Recycling Guide.)

If you are requesting an infeasibility exemption and the estimated amount reused/recycled is less than 65%, please explain why (attach additional sheets if necessary):

If the actual amount reused/recycled is less than 65%, please explain why:

Prepared by (please print): _____

Date: _____

Contractor Signature: _____

Phone Number: _____

Conversion Rates

The following conversion rates are estimates. The ranges vary widely, depending on how the materials are handled (compacted, loose, chipped, etc.). Use the conversion factors and receipts from any previous projects to help you estimate the potential amount of materials and diversion. Take into consideration the type and load of vehicles that will be used to haul the materials. Ask your hauler or recycler to assist you in estimating these numbers.

Material	Lbs/cy	Tons/cy
Asphalt	1,400 lbs/cy	0.7 tons/cy
Brick	2,430 lbs/cy	1.21 tons/cy
Cardboard	100 lbs/cy	0.05 tons/cy
Concrete	2,600 lbs/cy (Sources range from 1,000 to 4,000)	1.3 tons/cy
Dirt/Soils	2,660 lbs/cy	1.33 tons/cy
Drywall	700 lbs/cy	0.35 tons/cy
Wood (chipped)	300 – 650 lbs/cy	0.15 – 0.3 tons/cy
Mixed C&D Debris	900 lbs/cy	0.45 tons/cy
Mixed Waste/Trash	100 – 350 lbs/cy	0.5 – 0.175 tons/cy

SECTION 11. ADDITIONAL TERMS

11-1 NONDISCRIMINATORY EMPLOYMENT

The Contractor shall not unlawfully discriminate against any individual based on race, religious creed, color, national origin, ancestry, physical disability, mental disability, medical condition, genetic information, marital status, sex, gender, gender identity, gender expression, age, sexual orientation or military and veteran status. The Contractor understands and agrees that it is bound by and will comply with the nondiscrimination mandates of all statutes and local ordinances and regulations.

11-2 NOTICE TO PROCEED

Upon award of the Contract and signing the Contract Documents, the City shall issue the Contractor a Notice to Proceed. The City will not authorize any Work to be done under these Contract Documents before the Contract has been fully executed. Any Work that is done by the Contractor in advance of such time shall be considered as being done at the Contractor's own risk and responsibility, and as a consequence will be subject to rejection.

11-3 CONTRACTOR'S RESPONSIBILITY FOR WORK

Until the final acceptance of the Work by the City as defined in Section 6-8.2 of the General Provisions, by written action of the Engineer, the Contractor shall have the charge and care thereof and shall bear the risk of injury or damage to any part of the Work by the action of the elements, criminal acts, or any other cause. The Contractor shall rebuild, repair, restore and make good all injuries or damages to any portion of the Work occasioned by any cause before its completion and acceptance and shall bear the expense thereof, except for such injuries or damages arising from the sole negligence or willful misconduct of the City, its officers, agents or employees. In the case of suspension of Work from any cause whatever, the Contractor shall be responsible for all materials and the protection of Work already completed, shall properly store and protect them if necessary, and shall provide suitable drainage and erect temporary structures where necessary.

11-4 PROCEDURE IN CASE OF DAMAGE TO PUBLIC PROPERTY

Any portions of curb, gutter, sidewalk or any other City improvement damaged by the Contractor during the course of construction shall be replaced by the Contractor at its own cost. The cost of additional replacement of curb, gutter or sidewalk in excess of the estimated quantities shown in the Bid form and Specifications, and found necessary during the process of construction (but not due to damage resulting from carelessness on the part of the Contractor during its operation), shall be paid to the Contractor at the unit prices submitted in its Bid.

11-5 REMOVAL OF INTERFERING OBSTRUCTIONS

The Contractor shall remove and dispose of all debris, abandoned structures, tree roots and obstructions of any character encountered during the process of excavation. It is understood that the cost of any such removals are made a part of the unit price bid by the Contractor under the item for excavation or removal of existing Work.

11-6 SOILS ENGINEERING AND TESTING

An independent certified materials testing firm must be retained by the Contractor to perform materials tests and applicable special inspections during the Contractor's entire operation to ascertain compliance with the Contract requirements. . If the initial tests do not meet the Contract requirements, the Contractor shall bear the cost of all subsequent tests.

The Contractor shall provide a copy of the testing and inspection reports to the Engineer within 24 hours upon receipt.

If the City requires other tests or more specific requirements for testing regarding this Project, those details will be included in the Special Provisions.

11-7 ACCESS TO PRIVATE PROPERTY

Unless otherwise stated in the Special Provisions, the Contractor shall be responsible for all fees and costs associated with securing permission to access private property for any portion of the Project.

11-8 WORKING DAYS AND HOURS

The Contractor shall do all Work between the hours of 7:30 a.m. to 4:30 p.m., Monday through Friday. No Work will be allowed on Saturday, Sunday or City holidays listed on the City's website unless specifically mentioned in the Contract Documents or authorized by the City Engineer.

In addition, no Work will be allowed on any special election Day that may be declared. Should a special election Day be declared, a time extension of one Working Day will be granted for each such Day.

A permit may have other hours or Days for the Contractor to do the Work, and those hours and Days shall supersede any hours and Days written in this Section.

Whenever the Contractor is permitted or directed to perform night Work or to vary the period during which Work is performed during the Working Day, the Contractor shall give 24 hours' notice to the Engineer so that inspection may be provided. Also, a charge may be made to the Contractor for approved overtime or weekend inspections requested by the Contractor.

11-9 CLAIM DISPUTE RESOLUTION

In the event of any dispute or controversy with the City over any matter whatsoever, the Contractor shall not cause any delay or cessation in or of Work, but shall proceed with the performance of the Work in dispute. The Contractor shall retain any and all rights provided that pertain to the resolution of disputes and protests between the parties. The Disputed Work will be categorized as an "unresolved dispute" and payment, if any, shall be as later determined by mutual agreement or a court of law. The Contractor shall keep accurate, detailed records of all Disputed Work, claims and other disputed matters.

All claims arising out of or related to the Contract Documents or the Project, and the consideration and payment of such claims, are subject to the Government Claims Act (Government Code Section 810 *et seq.*) with regard to filing claims. All such claims are also subject to Public Contract Code Section 9204 and Public Contract Code Section 20104 *et seq.* (Article 1.5), where

applicable. The Contract hereby incorporates those provisions as though fully set forth herein. Thus, the Contractor or any Subcontractor must file a claim in accordance with the Government Claims Act as a prerequisite to filing a construction claim in compliance with Section 9204 and Article 1.5 (if applicable), and must then adhere to Article 1.5 and Section 9204, as applicable, pursuant to the definition of "claim" as individually defined therein.

11-10 THIRD PARTY CLAIMS

The City shall have full authority to compromise or otherwise settle any claim relating to the Project at any time. The City shall timely notify the Contractor of the receipt of any third-party claim relating to the Project. The City shall be entitled to recover its reasonable costs incurred in providing this notice.

11-11 COMPLIANCE WITH LAWS

The Contractor shall comply with all applicable federal, State and local laws, ordinances, codes and regulations in force at the time the Contractor performs pursuant to the Contract Documents.

11-12 CONTRACTOR'S REPRESENTATIONS

By signing the Contract, the Contractor represents, covenants, agrees, and declares under penalty of perjury under the laws of the State of California that: (a) the Contractor is licensed, qualified, and capable of furnishing the labor, materials, and expertise necessary to perform the services in accordance with the terms and conditions set forth in the Contract Documents; (b) there are no obligations, commitments, or impediments of any kind that will limit or prevent its full performance under the Contract Documents; (c) there is no litigation pending against the Contractor that could adversely affect its performance of the Contract, and the Contractor is not the subject of any criminal investigation or proceeding; and (d) to the Contractor's actual knowledge, neither the Contractor nor its personnel have been convicted of a felony.

11-13 CONFLICTS OF INTEREST

The Contractor agrees not to accept any employment or representation during the term of the Contract or within 12 months after acceptance as defined in Section 6-8.2 of the General Provisions that is or may likely make the Contractor "financially interested," as provided in Government Code Sections 1090 and 87100, in any decisions made by the City on any matter in connection with which the Contractor has been retained pursuant to the Contract Documents.

11-14 APPLICABLE LAW

The validity, interpretation, and performance of these Contract Documents shall be controlled by and construed under the laws of the State of California, excluding California's choice of law rules. Venue for any such action relating to the Contract shall be in the Los Angeles County Superior Court.

11-15 TIME

Time is of the essence in these Contract Documents.

11-16 INDEPENDENT CONTRACTOR

The Contractor and Subcontractors shall at all times remain, as to the City, wholly independent contractors. Neither the City nor any of its officials, officers, employees or agents shall have control over the conduct of the Contractor, Subcontractors, or any of their officers, employees, or agents, except as herein set forth, and the Contractor and Subcontractors are free to dispose of all portions of their time and activities that they are not obligated to devote to the City in such a manner and to such Persons that the Contractor or Subcontractors wish except as expressly provided in these Contract Documents. The Contractor and Subcontractors shall have no power to incur any debt, obligation, or liability on behalf of the City, bind the City in any manner, or otherwise act on behalf of the City as agents. The Contractor and Subcontractors shall not, at any time or in any manner, represent that they or any of their agents, servants or employees, are in any manner agents, servants or employees of the City. The Contractor and Subcontractors agree to pay all required taxes on amounts paid to them under the Contract, and to indemnify and hold the City harmless from any and all taxes, assessments, penalties, and interest asserted against the City by reason of the independent contractor relationship created by the Contract Documents. The Contractor shall include this provision in all contracts with all Subcontractors.

11-17 CONSTRUCTION

In the event of any asserted ambiguity in, or dispute regarding the interpretation of any matter herein, the interpretation of these Contract Documents shall not be resolved by any rules of interpretation providing for interpretation against the party who causes the uncertainty to exist or against the party who drafted the Contract Documents or who drafted that portion of the Contract Documents.

11-18 NON-WAIVER OF TERMS, RIGHTS AND REMEDIES

Waiver by either party of any one or more of the conditions of performance under these Contract Documents shall not be a waiver of any other condition of performance under these Contract Documents. In no event shall the making by the City of any payment to the Contractor constitute or be construed as a waiver by the City of any breach of covenant, or any default that may then exist on the part of the Contractor, and the making of any such payment by the City shall in no way impair or prejudice any right or remedy available to the City with regard to such breach or default.

11-19 TERM

The Contract is effective as of the Effective Date listed, and shall remain in full force and effect until the Contractor has fully rendered the services required by the Contract Documents or the Contract has been otherwise terminated by the City. However, some provisions may survive the term listed within this Section, as stated in those provisions.

11-20 NOTICE

Except as otherwise required by law, any notice or other communication authorized or required by these Contract Documents shall be in writing and shall be deemed received on (a) the day of delivery if delivered by hand or overnight courier service during the City's regular business hours or (b) on the third business day following deposit in the United States mail, postage prepaid, to the addresses listed on the Contractor's Bid and City Hall, or at such other address as one party may notify the other.

11-21 SEVERABILITY

If any term or portion of these Contract Documents is held to be invalid, illegal, or otherwise unenforceable by a court of competent jurisdiction, the remaining provisions of these Contract Documents shall continue in full force and effect.

SPECIAL PROVISIONS

PART I: SPECIAL INSTRUCTIONS

A. PROJECT DESCRIPTION

The included plans have been prepared by the three utility companies (Southern California Edison, Charter, and Spectrum). The intent of the project is to use a joint trench to place electrical, telephone and cable television in the ground within the public right-of-way and easements as shown on the plans and included in these Specifications.

However, the design for the use of joint trench was not optimized or even addressed in some areas. Contractor shall resolve such inconsistencies by identifying a joint trench alignment from the alternatives presented by the owning utilities and then placing all utilities into this joint trench. The resolution of these inconsistencies shall be considered included in the lump sum cost for the work and shall include but not be limited to realignment of main conduit runs, vaults, handholes, pullboxes, risers, service laterals and related facilities. The only exception to this requirement shall be in such places that a joint trench cannot be used because of physical constraints, utility companies design or operational characteristics, safety or where otherwise prohibited by law or other regulation(s).

Such coordination work shall be performed in advance of actual construction to allow the utility companies time to provide input. Such work shall also include coordination necessary to align or realign that proposed facilities with existing utilities (such as water, sewer, storm drain, among others) that may be in conflict with the proposed facilities. Note that the advance notice requirements for utility mark-out has been extended to allow Contractor time to plan out the route of the joint trench along the various streets and utility corridors. Do not commence trench excavation until the City's representative has had an opportunity to review and provide input on the final joint trench location and alignment.

Contractor is responsible for all site restoration, including sidewalk, curb and gutter, driveway approach, ADA compliant curb ramps, roadway, etc. per City standards.

For undergrounding of Southern California Edison facilities, the Contractor shall comply with the Southern California Edison specifications included in Underground Structure Standards (UGS), Electrical Service Requirements (ESR) and the Southern California Edison specifications included in the Appendices of these Specifications and shall receive approval from Southern California Edison's inspectors for the installation of all Southern California Edison facilities. Additionally, hot tie-ins may be required per Southern California Edison Standards. For undergrounding of

For undergrounding of Charter facilities, the Contractor shall comply with the Charter specifications included in the Appendices of these Specifications and shall receive approval from Charter's inspectors for the installation of all Charter facilities.

For undergrounding of Frontier facilities, the Contractor shall comply with the Frontier specifications included in the Appendices of these Specifications and shall receive approval from Frontier's inspectors for the installation of all Frontier facilities.

B. WORK TO BE DONE

The work necessary for the completion of this contract includes, but is not limited to, mobilization,

traffic control, water pollution control, potholing and field verifications of existing utilities, trench construction, furnishing and installing conduit with poly-pull ropes including service lateral runs, utility pullboxes, handholes, vaults and all associated items necessary for the conversion of existing overhead and electrical power, telephone, and cable television services to underground locations as required and intended by the Plans, Specifications, and further specified by Southern California Edison, Charter, and Frontier standards within Underground Structure Standards (UGS), Electrical Service Requirements (ESR), Appendix II, Appendix III, and Appendix IV. Any costs resulting from work performed that was directed by Southern California Edison, Charter, and Frontier engineers, inspectors or other personnel will not be compensated unless said work was approved by the City Engineer prior to work commencing. Contractor shall perform all trenching, backfill, pavement restoration, resurfacing and replacement of existing improvements (public or private including but not limited to driveways, fences, walls, signs, landscaping, mailboxes, and other such items) associated with or resulting from the work identified herein. Contractor is responsible for all crushed conduit repair until the complete conversion from overhead to underground utilities is completed.

The Contractor is responsible for having the necessary project management resources to coordinate and manage this entire project from beginning to completion of the entire undergrounding project with very close coordination and approval of the utilities of their work for every portion of the work and as required by the utility companies.

C. SURVEYING

1. Permanent Survey Markers

The Contractor shall submit to the Engineer, a minimum of 7 days prior to the start of work, a list of controlling survey monuments which may be disturbed. The Contractor will:

- a) set survey points outside the affected work area that reference and locate each controlling survey monument that may be disturbed,
- b) file a Corner Record or Record of Survey with the County Surveyor after setting the survey points to be used for re-establishment of the disturbed controlling survey monuments, and
- c) file a Corner Record or Record of Survey with the County Surveyor after reestablishment of the disturbed (permanent) controlling survey monuments.

The Contractor shall protect all survey monuments during construction operations. In the event that existing survey monuments are removed or otherwise disturbed during the course of work, the Contractor shall contact the City's representative in the field to confirm that the existing monument has been located, can be removed and the Contractor shall restore the affected survey monuments at his sole expense. If the monument has not yet been located and prior to excavating trenches, Contractor shall allow not more than 2 days for City to locate the monument and tie it out. The Contractor's Licensed Surveyor shall file the required Corner Record or Record of Survey with the County Surveyor upon monument restoration. The cost of any replacement work resulting in a failure by Contractor to notice the City or City's surveyor of the existing monument(s) or allow reasonable time to tie the monument out, shall be deducted from payment(s) due to Contractor.

Existing street centerline ties and property corner monuments are to be preserved. The Contractor shall be responsible for the cost of restoring all survey ties and/or monuments damaged by the Work.

2. Survey Service

The underground cable and conduit system will not be staked for line or grade. It shall be the Contractor's responsibility to determine the depth of trenching required to maintain the minimum cover required by the utility owner in paved and unpaved areas and also to avoid interference with existing utility lines, mains and services. The drawings may or may not indicate construction of a joint trench in which to place the utilities. Except for service laterals, connections and adjustments to construct vaults, risers, or other such boxes, the intent of this contract is to place the existing overhead utilities underground in a single joint trench. The Contractor will ensure that the location of new work is within the right of way and/or easements of abutting and affected properties.

D. UTILITIES

1. General

The location of existing underground utilities or substructures was determined from a search of each of the utility company's records. No guarantee is made or implied that the information is complete or accurate. The Contractor shall excavate, expose and protect all high-risk underground facilities. The Contractor is responsible for, and shall at his or her expense, pothole all existing utilities which may be affected by the work to verify points of connection and potential conflicts. No segment of work shall begin until the contractor has potholed and verified points of connection and related connection material requirements, and coordinated the final/existing layout of the laterals/pipeline with the Engineer, including adjustments due to field conflicts with other utilities or structures above or below ground. It shall further be the Contractor's responsibility to modify any trench alignment - including conduit depth and structure alignment - necessary to protect and provide required minimum cover and clearance from existing underground utilities or structures. The cost of any re-alignment necessary to complete the work will be considered as part of the conduit and structure installation.

The plans are schematic in nature. Contractor shall furnish and install all conduit required per the plans or the standards of the utility companies including bends, couplings, and pole risers and encase with concrete where shown on the plans. All conduits shall have ¼ inch polypropylene pull rope installed including all service lateral runs to property line or other such designated point(s).

Stake or otherwise mark the terminus point of all conduit runs not terminating in a junction box, handhole or other such structure. Use a nail, metal stake, rebar or spike flush with the ground with orange or red colored flagging or paint (in paved areas) to depict the terminus of the conduit. Secure the conduit ends with tape or other such plug to avoid contamination.

2. Protection

Insofar as practicable during the progress of the work, no pipeline, conduit, sewer, culvert, storm drain, drainage ditch, flood control channel, pole line, street lighting system, overhead wires or cables, or underground wires or cables, either main line structures or laterals and services, or any other structure or facility, shall be disturbed, but all should be supported and protected against injury and maintained in good operating condition at the expense of the contractor. In no case shall any such property be disturbed or removed without the consent of the Owner. The Contractor shall be responsible for and make good all damage due to his operations. All operations of the contractor affecting flood control

channels and drainage ditches, and the restoration thereof, shall conform to the requirements of the agency having jurisdiction.

All services shall be maintained throughout the course of the construction. In the case of a disruption of service, Contractor shall work diligently to restore the service with the minimum of outage and disruption.

In the event that an existing pull box, meter box or any other utility box is damaged by the Work and is not re-useable, the Contractor shall provide and install a new replacement pull box, meter box or any other utility box of identical type and size at no additional cost to the City.

3. Relocation

Utility relocations will be required within the Undergrounding Utility Assessment District 4 as a result of the undergrounding improvements. Contractor shall coordinate with Southern California Edison, Charter, and Frontier to schedule the noted relocations of utility pedestals, and adjustments/replacement of vault lids.

All City owned pull boxes, water meter boxes, water valve boxes, sewer cleanout boxes and survey monument boxes (collectively known as "utility boxes") which are affected by the Work shall be replaced to finish grade with new utility boxes.

E. COORDINATION WITH UTILITY COMPANIES

1. Coordination and Inspection

The Contractor is responsible for all coordination with the utility companies that is required to complete Work.

The Contractor is responsible for ensuring that all inspections required to be completed by Southern California Edison, Charter, and Frontier for all portions of the Work are scheduled and occur as required and so as to not delay the work.

All conduits, substructures, and are required to be inspected by the associated utility company prior to being covered.

2. Turnover of Installation

The Contractor is responsible for ensuring that the installation of all underground utilities is completed in a manner that will be accepted by Southern California Edison, Charter, and Frontier. The Contractor is responsible for coordinating with all the applicable utility companies for the turnover of the undergrounded utilities and ensuring the utility companies' approval and acceptance of the undergrounded utilities.

F. CALTRANS COORDINATION, REQUIREMENTS, AND PERMITTING

1. Caltrans Coordination for Work and Traffic Control within Caltrans Right-of-Way

a. The Contractor is responsible for all coordination with Caltrans in order to complete the Work and all traffic control within the Caltrans right-of-way.

2. Caltrans Permit for Work and Traffic Control within Caltrans Right-of-Way

a. The Contractor is responsible for preparing and submitting the application and

supporting documents for and the procurement of the Caltrans Permit for the Work and traffic control within the Caltrans right-of-way. The Contractor is responsible for all documents and copies required to be submitted to Caltrans for the Permit for the potholing work, and for all revisions and additional documents and hard copies required by Caltrans for the approval and issuance of the Permit.

- b. The Contractor shall prepare a Traffic Control Plan, which must be designed, stamped, and signed by a licensed Civil Engineer. The Traffic Control Plan must be submitted to and approved by Caltrans. The Contractor is responsible for all documents and copies required to be submitted to Caltrans for the Traffic Control Plan and for the issuance of a Construction Encroachment Permit, and for all revisions and additional documents and hard copies required by Caltrans for approval and for the approval of the Traffic Control Plan and issuance of the required Encroachment Permit.

The Contractor is responsible for providing the six (6) full size hard copies of the Traffic Control Plan with one (1) of the six (6) copies must have original wet signatures on all pages per Caltrans's requirements.

- c. The Contractor is responsible for procuring a Permit from Caltrans. An Encroachment Permit Application and copies of all of the bonds required by this Contractor must be submitted to Caltrans as part of the process to procure the required Double Permit. The Contractor is responsible for all documents and copies required to be submitted to Caltrans for the Permit, and for all revisions and additional documents and hard copies required by Caltrans for the approval and issuance of the Double Permit.
- d. The Contractor is responsible for paying the permit fees to Caltrans in order to pull the required Caltrans Permits. The City will reimburse the exact amount paid to Caltrans as a permit fee as shown on the receipt from Caltrans through Bid Item No. 7. No markups or additional fees will be paid. A copy of the receipt for the payment of the permit fees must be submitted with the Payment Application that includes the permit fees. No payment will be made for Bid Item No. 7 if a copy of the receipt is not provided.

G. SEQUENCE OF WORK

Contractor shall submit to the City for approval a Sequence of Work plan that minimizes impacts to traffic flow due to closures and minimizes impacts to business and residents. The City shall approve this Sequence of Work plan before work begins.

H. WORK HOURS

Work hours shall be 7:30 AM-4:30 PM, Monday through Friday, with the exception of City holidays. Contractor must obtain prior approval from the City and notify all business entities affected by the planned work for any work outside of these hours, including work during nights and weekends.

I. NOTIFICATION OF RESIDENTS

Contractor shall create a notification of work being performed for residents within a 500-foot radius

of the work on this project and deliver these notifications to each resident impacted by the week's work on a weekly basis with a minimum of a three calendar day lead time. The notification shall include, at a minimum, the dates and times work shall be performed in the vicinity of the residence.

J. RECORD DRAWINGS

Contractor shall provide Engineer with marked up "Record Drawings" at the completion of the project.

Contractor shall dimension from two (2) permanent points of reference, lot corners, sidewalk, or road intersections, etc., the locations of all the improvements, which were installed other than the exact locations shown on the plans.

K. HOUSEKEEPING REQUIREMENTS

1. For the duration of the onsite Work, four (4) project identification signs shall be procured, placed, and maintained to notify residents of the Work. The Contractor must submit an exhibit with the proposed locations to the City for review and approval prior to the placement of the project identification signs. The Contractor must submit the message that will be displayed on the project identification signs to the City for review and approval prior to the placement of the project identification signs.
2. Do not store material or equipment at the job site(s). Maintain all job sites in neat and orderly condition at all times, with allowance for pedestrian access compliant with Americans with Disabilities Act and California Title 24 requirements.

L. TRAFFIC CONTROL

1. The Contractor shall maintain all existing pedestrian and vehicular access to all businesses and residences adjacent to the Project site at all times throughout the duration of the completion of the Work.
2. The Contractor shall obtain a City Permit for work performed in the right-of-way, and provide the City with evidence of insurance coverage in compliance with section 7-3 "Insurance" in the General Provisions of the Specifications for this project.
3. It is the responsibility of the Contractor performing work on a public street to install and maintain the traffic control devices according to "Work Area Traffic Control Handbook" (WATCH), latest edition, to insure the safe movement of traffic and pedestrians through or around the work area and provide maximum protection and safety to construction workers. The Contractor shall submit a traffic control plan for approval and receive approval for the submitted traffic control plan prior to start of work.
4. For the duration of the onsite Work, two (2) electronic changeable message board shall be procured, placed, and maintained to notify oncoming traffic of the Work in each direction on each of the streets impacted by the Work. The Contractor must submit an exhibit with the proposed locations to the City for review and approval prior to the placement of the message boards. The Contractor must submit the message that will be displayed on the message boards to the City for review and approval prior to the placement of the message boards.

5. FLASHING ARROW BOARD(S) ARE MANDATORY FOR LANE CLOSURES ON MAJOR STREETS. They shall operate until traffic control is removed.
6. All travel lanes shall be open between 5:00 a.m. and 8:30 a.m. and between 3:30 p.m. and 9:00 p.m. One travel lane in each direction shall be open at all times between 8:30 a.m. and 3:30 p.m. unless otherwise indicated on plan. Flaggers may be used if one lane in each direction cannot be kept open with the approval of the Traffic Engineer. All traffic lanes shall be open before and after work hours.
7. All open trenches shall be covered with non-skid steel plates or temporary asphalt pavement before and after work hours.
8. All signs, delineators, barricades, etc., shall conform to the "California Manual of Uniform Traffic Control Devices" (MUTCD), latest edition, and the "WATCH", latest edition. All barricades shall be equipped with flashing/steady burn warning lamps at night. All cones, delineators, barricades, and "k" rail shall be reflectorized. All traffic control shall be kept in their proper position at all times, and shall be repaired, replaced, or cleaned as necessary to preserve their appearance and continuity. Any devices not part of the required traffic control or detours shall be removed from the view of the travelling public immediately.
9. The Contractor shall notify the MTA Bus Stops and Zones Dispatcher and any other affected transit services at least two working days prior to construction and any impacts. Evidence of such notification shall be submitted to the City at least two working days prior to construction and any impacts.
10. Where necessary, properly post "TEMPORARY NO PARKING ANYTIME" signs at least 72 hours before start of work, and the type of sign and information included on the sign shall conform to the requirements included in the Right-of-Way Permit issued by the City. The Contractor shall notify the Police Department immediately upon posting signs.
11. Vehicular and pedestrian access to adjacent properties shall be provided at all times. Closed sidewalks shall be posted with "SIDEWALK CLOSED" signs at each approach to the closure and an approved alternate route provided.
12. Protect traffic signal detectors in place or replace within 5 calendar days of final paving. All detectors damaged by the work shall be replaced to the standards of the City Public Works Department.
13. Notify the Public Works Inspector at (310) 802-5306, at least 48 hours prior to any construction in right-of-way. Notify Fire and Police Dispatch at (310) 545-4566 prior to starting work or closing lanes/streets every day.
14. Contractor shall coordinate all work in the vicinity of schools with the school administrators to minimize construction impacts on special dismissal and school event days.
15. Any revisions to the traffic control plans or requirements shall be approved by the Engineer.

16. The contractor shall be responsible for the establishment, maintenance and decommission when considered appropriate by the Engineer of the following:

- a. Protection and restoration of existing improvements: Contractor shall protect, relocate, repair, replace or re-establish all existing improvements within the project limits which are not designated for removal (i.e. signs, markings, striping, posts, curb, gutter, sidewalk, ADA detectable warning devices, asphalt, plants, irrigation infrastructure, fences, walls, structures, survey control monumentation, etc.) which are damaged or removed as a result of its operations or as required by the Plans and Specifications. Relocations, repairs, replacements or re-establishments shall be at least equal to the existing improvements and shall match such improvements in finish and dimensions at contractor's expense to the satisfaction of the Engineer.
- b. Paths of travel: Contractor is required to provide a pedestrian management plan to show how pedestrians are detoured around each construction area

M. CONTRACTOR'S DAILY REPORT

The Contractor shall submit a completed "Contractor's Daily Report to City" form to the Engineer every working day by 5:30 p.m. See the following page for the form to be submitted by Contractor.

PART II: STANDARD AND SPECIAL TECHNICAL PROVISIONS

CONSTRUCTION MATERIALS

Section 201 - Concrete, Mortar, and Related Materials

201-1 Portland Cement Concrete

201-1.1 Requirements

201-1.1.1 General

The following paragraph shall be added following paragraph 3:

The Contractor shall furnish the Engineer with a copy of the mix design to be used and with a legible, certified weight-master's certificate for each load of P.C.C. delivered to the project. Portland cement concrete delivered to the project site having a water content and/or slump greater than that specified in the mix design shall be rejected and removed from the project site.

CONSTRUCTION METHODS

Section 300-1 – Clearing and Grubbing

300-1.3 Removal and Disposition of Material

Add the following:

Should the contractor use the material on another project or dispose of it at a recycling facility, the Contractor shall submit weight tickets to the Engineer which reflect the amount of material reused or recycled. All costs relative to material recycling shall be included in the Bid for the items involved.

All removed materials shall become the property of the Contractors and shall be legally disposed of by the Contractor away from the site of work. Note: There are no authorized facilities within the City of Manhattan beach

Recycling of Concrete Removals: Removed concrete shall be taken by the Contractor to a concrete recycling/crushing facility approved to accept the material. The Contractor shall submit weight tickets from the facility to the Engineer. All costs relative to concrete recycling shall be included in the cost for Bid Item No. 3 – Undergrounding Utilities Complete and no additional compensation shall be allowed.

300-1.3.2(b) Concrete Pavement

Add the following:

Removed concrete shall be taken by the Contractor to a concrete recycling/crushing facility approved to accept the material. The Contractor shall submit weight tickets from the facility to the Engineer. All costs relative to concrete recycling shall be included in the cost for Bid Item No. 3 – Undergrounding Utilities and no additional compensation shall be allowed.

300-1.3.2(c) Concrete Curb, Walk, Gutters, Cross Gutters, Driveway, and Alley Intersections

Add the following:

Removed concrete shall be taken by the Contractor to a concrete recycling/crushing facility approved to accept the material. The Contractor shall submit weight tickets from the facility to the Engineer. All costs relative to concrete recycling shall be included in the cost for Bid Item No. 3 – Undergrounding Utilities Complete and no additional compensation shall be allowed.

Section 301 – Subgrade Preparation, Treated Materials and Placement of Base Materials

301-1.6 Adjustment of Manhole Frame and Cover Sets to Grade

The following subsection shall be added:

301-1.6.1 Adjustment of Meter, Valve, & Survey Monument Covers to Grade

Storm drain, sewer, water, valve covers and survey monument covers within the area to be paved

or graded shall be set to finish grade by the Contractor unless otherwise noted in the Plans and Specifications.

In the case of Portland cement concrete paving, the utility or survey monument cover shall be set to finish grade prior to paving (See Section 302-5.7).

301-1.7 Payment

Delete this section and replace with the following:

Payment for adjusting manhole frames and cover sets, meter and valve boxes and covers shall be included in the cost for Bid Item No. 3 – Undergrounding Utilities Complete and no additional compensation shall be allowed.

302-5.8 Delete title “Manholes (and other structures).” Replace with: Manholes and Valve Covers (and Other Structures)

Add the following subsections:

302-5.8.1 Adjust Valve Covers to Grade

Adjusting valve covers to grade shall conform to the requirements of the respective utility owner and the following:

Prior to placement of asphalt concrete pavement, the Contractor shall locate all manhole and valve covers and set such reference points as necessary to find the covers during pavement replacement of A.C. overlay. The Contractor shall install 12-inch long, 6-inch diameter galvanized steel split sleeves in each valve cover, and coat each valve box cover with diesel oil or other solvent prior to pavement placement. Immediately after placement of the asphalt by a Barber Green or similar paving machine and prior to any rolling, the valve covers and split sleeves shall be raised through the uncompacted pavement and the asphalt shall be cleaned off the valve covers. The rolling operation will set the valve covers to finish grade. After the final pavement rolling, the Contractor shall free all valve covers from the pavement and remove any loose asphalt that may have entered the valve covers during the paving operations. The Contractor shall provide all labor, materials, and equipment necessary for raising the valve covers to grade.

302-5.8.2 Measurement and Payment

Payment for adjusting manholes, valve covers, and other structures to grade shall be included in the cost for Bid Item No. 3 – Undergrounding Utilities Complete and no additional compensation shall be allowed.

Section 303 - Concrete and Masonry Construction

303-5 Concrete Curbs, Walks, Gutters, Cross Gutters, Alley Intersections, Access Ramps and Driveways

303-5.1 Requirements

303-5.1.1 General

The second paragraph shall be deleted and replaced with the following:

The thickness of sidewalks, gutters, cross gutters, alley intersections, access ramps, and driveway aprons shall be as shown on the plans.

Areas of miscellaneous concrete adjacent to or behind sidewalks and driveways shall be considered as a walk for the purpose of these Specifications.

No concrete shall be ordered and/or poured until the forms and subgrade have been inspected and approved by the Engineer in the field.

All pull boxes, water meter boxes, and water valve covers shall be adjusted to proposed finish grade and approved by the Engineer in the field prior to placement of the concrete: i.e., curbs, walks, gutters, etc.

Section 306 – Open Trench Conduit Construction

306-1 General

This section includes specifications for trench excavation, construction of buried conduits, testing, backfill, and resurfacing.

306-1.1 Pipe Laying

All conduit work shall be performed per the Plans, the Standard Specifications and these Special Provisions. Contractor shall furnish and install Schedule 40 PVC conduit (except for riser pipe, which shall be PVC Schedule 80). Conduit work shall include all bends, couplings, sweeps, risers, fittings, connections, and all necessary appurtenances. All conduits shall have ¼ inch polypropylene pull rope installed including all service lateral runs to property line or other such designated point(s). Stake or otherwise mark the terminus point of all conduit runs not terminating in a junction box, handhole or other structure. Use a nail, metal stake, rebar or spike flush with the ground with orange or red colored flagging or paint (in paved areas) to depict the terminus of the conduit. Secure the conduit ends with tape or other such plug to avoid contamination. Installation of pull rope in all conduits shall comply with appropriate sizes and type per applicable utility company standards. Installation of plugs and markers shall comply with the applicable utility company standards. Mandrel all installed conduits to the satisfaction of the utility company inspector(s), including testing and re-mandreling as necessary.

306-3 Trench Excavations

This section includes specifications for trench excavation, construction of buried conduits, testing, backfill, and resurfacing.

Installation of underground utility facilities shall conform to the requirements per City Standard Drawing No. STD-106-A, the Standard Specifications and these Special Provisions.

Contractor shall submit trench shoring plan with design of shoring, sheeting, bracing or other provisions. Trench shoring shall be prepared by a State of California-licensed Civil or Structural Engineer. The acceptance of the trench shoring plans submitted is only an acknowledgement of the submission and does not constitute review or approval of the designs, design assumptions,

criteria, completeness, applicability to areas of intended use, or implementation of the plans, which are solely the responsibility of the Contractor and its California-registered Civil or Structural Engineer.

306-3.1 General

The Contractor shall perform all excavation necessary or required for the construction of the improvements as shown on the drawings. Excavations shall include the removal and disposal of all materials of whatever nature encountered, including all obstructions of every nature that would interfere with the proper execution and completion of the work. The work shall include all pumping, ditching, and other required measures for the removal or exclusion of water.

Add the following subsection:

306-3.1.1 Trench Excavation and Subgrade

General: Trenches shall be excavated to a line and grade and be of a minimum width necessary for proper conduit installation. Where exclusive trench work is needed, the minimum conduit cover identified in each utility owner's current standard specification or installation guide may be followed. All trenches called for to be excavated in a utility easement which runs through private or public property shall be hand dug, unless otherwise approved by the Engineer.

Except as otherwise provided herein, excavation for the improvements shall be in open-cut trenches. The maximum length of open trench shall not be greater than 300 feet, or the distance to accommodate the amount of conduit installed in a single day, whichever is the lesser. The distance is the collective length including excavation, conduit laying and backfill which has not been temporarily resurfaced.

Trench width shall be outside diameter plus twelve (12) inches minimum or outside diameter plus twenty (20) inches maximum, including thickness of trench shoring or sheeting in conformance with City Standard Drawing No. STD-106-L.

Access to Trenches: Safe and suitable ladders which project two feet above the top of the trench shall be provided for all trenches over five feet in depth. One ladder shall be provided for each one-hundred feet of open trench, or fraction thereof, and be so located that workmen in the trench need not move more than fifty feet to a ladder.

Public Access: Whenever required for the convenience of the public or individual residents, at saw crossings, at private driveways, or elsewhere, the Contractor shall provide suitable temporary bridges over unfilled excavations, except in such cases as the Contractor shall secure the written consent of the individuals or public authorities concerned to omit such temporary bridges. Contractor shall refer to Section 601-1 of the Standard Specifications and these Special Provisions for steel plates for temporary bridges.

Temporary Surfacing: Immediately after completion of backfilling in paved streets and roadways, a two-inch layer of temporary asphalt concrete paving, the mix thereof to be approved by the City, shall be placed and rolled over the backfill. Temporary surfacing shall be of such quality and so placed and maintained as to provide a smooth surface level with adjacent existing paving. At no time shall excavation operations advance ahead of temporary paving by distance of 300 feet. Temporary surfacing shall remain in place until permanent resurfacing is placed. All streets and roads used shall be kept free from dust, mud, rocks, and gravel.

Drainage: The Contractor shall take care of drainage water from the construction operations, and of storm water and wastewater reaching the site of the work from any source. The Contractor shall be responsible for any damage to persons or property on or off the right-of-way due to such drainage water or to interruption or diversion of such storm water on account of his operations. Contractor shall refer to Section 7-8.6 of the Standard Specifications and these Special Provisions for water pollution control.

Supports: Excavations shall be supported in a safe manner meeting the requirements of the California Division of Industrial Safety. For supports for excavations five feet or greater in depth, Contractor shall submit a trench shoring plan in compliance with Section 306-3 of the Standard Specifications and these Special Provisions.

Excess Excavation: Whenever excavation is made below the required trench bottom, suitable and approved bedding material (in conformance with City Standard Drawing No. STD-106-L and Section 306-6 of the Standard Specifications) shall be used to bring the trench back to proper grades. Properly moistened approved bedding material shall be deposited in the trench in uniform layers not exceeding six (6) inches thick and compacted to 90% minimum relative compaction. The material shall be compacted by use of power driven tampers of an approved type and in a manner satisfactory to the Engineer. The trench bottom shall then be prepared to receive the conduits or other such structures as indicated by the plans.

Rock: Where rock or similar hard and unyielding material is encountered, the trench shall be over excavated to provide a minimum of six (6) inches below all conduit and accessories, and refilled to foundation grade with granular materials, suitable for bedding.

Bell Holes: Conduit shall be laid only on properly prepared trench bottom shaped to provide continuous contact with the pipe. Bell holes are not required.

Excess Material: Excess excavated material removed from site shall be disposed of by the Contractor at his expense at a disposal site approved by the Engineer. The route (through the City) for trucks hauling excess excavated material shall be approved by the Engineer prior to removal of any material from the project area. The amounts, type, and destination of disposed excess excavated material shall be properly documented in writing to the City.

Compaction: After conduit installation, trench bedding and backfill shall include sand shading and compaction to the satisfaction of the Engineer, in conformance to the project plans, City Standard Drawing STD-106-L, Subsection 306-6 of the Standard Specifications, and these Special Provisions. Select material taken from excavation shall be free from stones or boulders larger than two inches in diameter, from chunks of pavement, and from large unbroken masses of earth, free of tree roots, branches and sticks. Imported granular backfill material shall be approved loose, granular materials, free from humus, and having a sand equivalent of not less than 30 as determined by laboratory tests. The Contractor, at their own expense, shall submit a certification of material quality to the Engineer prior to placement.

Select or imported granular backfill shall be placed simultaneously on both sides of the conduit and shall be completely worked around the conduit and consolidated by sluicing or jetting with water. Before additional material is placed upon the portion of the backfill consolidated by sluicing or jetting an adequate interval of time, as determined by City, shall be allowed to permit reduction of the water content to a degree affording maximum practicable compaction. After the water has drained out as required, the Contractor shall use water jets or other approved means to increase

the consolidation until no further consolidation can be obtained. Only material susceptible to satisfactory consolidation by sluicing and jetting shall be used for granular bedding and backfill.

Material used for the remainder of the backfill above the top of the conduit shall be selected from that removed from the excavation or shall be imported at the option of the Contractor, brought to near optimum moisture content and compacted by jetting with water or by mechanical equipment. Equipment used for compaction when earth cover on the conduit is three (3) feet or less shall be rollers or vibratory tampers. Use of equipment which compacts by impact will not be permitted.

306-3.1.2 Backfill of Trenches

Preparation: Prior to placing backfill, the area to receive the fill material shall be cleaned to remove all trash and debris.

Materials: Material used for trench backfill shall be selectively taken from the excavation, or shall be imported granular material approved by the Engineer.

Placement and Completion: Where supports of any nature are used in the trench, said supports shall be removed unless otherwise approved by the Engineer. Where tight sheeting is used, it shall be removed systematically as soon as practicable after backfilling by pulling alternating pieces along each side of the trench alternating also from one side of the trench to the other.

Compaction: Structure and trench backfills shall be compacted to the specified relative percent of the maximum dry density as determined by ASTM D1557. Compaction tests performed in the field will be done in accordance with ASTM D1556 (sand cone) or by nuclear methods, ASTM D2922 or D3017. The Contractor shall perform, at its sole expense, all necessary testing to certify that material and sole compaction of the project meet these specifications. The Contractor shall conduct and provide compaction test results for every 150 linear feet of conduit from a lab approved by the Engineer. Compaction test are at the expense of the Contractor. The Contractor shall make all necessary excavations for compaction tests, as directed by the Engineer, and all work in connection with compaction testing by the Contractor shall be included in the various items of work and no additional compensation will be allowed therefore.

Section 314 – Traffic Striping, Curb And Pavement Markings, And Pavement Markers

314-4 Application Of Traffic Striping And Curb And Pavement Markings

314-4.1 General

Temporary painted traffic striping and markings shall be applied in one coat, as soon as possible and within 24 hours after the finish course has been placed.

314-4.2 Control of Alignment and Layout

314-4.2.1 General

The Contractor shall perform all layout, alignment, and spotting. The Contractor shall be responsible for the completeness and accuracy of all layout alignment and spotting. Traffic striping shall not vary more than 1/2 inch in 40 feet from the alignment shown on the plans. The Contractor shall mark or otherwise delineate the new traffic lanes and pavement markings within 24 hours after the removal

or covering of existing striping or markings. No street shall be without proper striping over a weekend or holiday. Stop bars shall not remain unpainted overnight.

314-4.4 Thermoplastic Traffic Striping and Pavement Markings

314-4.4.1 General

The final reflectorized thermoplastic striping shall not be applied until the finish course pavement or slurry seal has been in place for at least 15 days. The thermoplastic shall be applied at 0.45 mm minimum thickness for all striping except crosswalks and limit lines which shall be 0.90 mm minimum thickness.

If the Contractor fails to perform striping as specified herein, the Contractor shall cease all contract work until the striping has been properly performed. Such termination of work shall require the Contractor to re-install "NO PARKING, TOW-AWAY" signs and re-notify the affected residents, at the Contractor's sole expense. In addition, if the Contractor removes/covers/damages existing striping and/or raised pavement markers outside of the work area, he shall re-stripe/replace such work items at no cost to the City.

314-4.4.2 Surface Preparation

Primer shall be applied to concrete surfaces prior in application of thermoplastic striping. The primer shall be formulated for the intended application.

314-5 Pavement Markers

314-5.1 General

Raised pavement markers shall not be placed until the finish course pavement or slurry seal has been in place for at least 15 days.

Section 315 is hereby added as follows:

Section 315 – Pull Boxes, Handholes, Utility Boxes, Vaults And Components

315-1 General

The Contractor shall furnish and install all junction boxes and vaults as necessary or as shown on the Plans, Standard Specifications, these Special Provisions and the Utility Company's standards. If located in the roadway or traffic areas, traffic rated covers (to meet H-20 loading) are required. All junction boxes, handholes, vaults pull boxes, and components, such as vault covers, ladder, vents and vent pipes, shall meet or exceed the requirements of the utility companies. Contractor shall lay out all junction boxed, handholes, vaults, pullboxes, etc. to ensure that structures do not compromise street integrity and are located out of drainage courses and street flowline. Layout to be approved by the Engineer prior to construction.

Backfill Around Transformer Enclosures: Backfill between the transformer enclosures and natural soil shall consist of a mixture of ten parts of sand to one part of Portland cement. Water shall be

added to the mixture to produce a slurry which will fill voids when placed in the excavation.

BID ITEM DESCRIPTIONS

Bid Item No. 1 - Mobilization

Mobilization shall conform to the provisions of the Plans, Standard Specifications, and these Special Provisions. Work under this section shall include all labor, materials, tools, transportation, equipment and all incidentals, and for doing all work necessary to achieve the mobilization herein or as directed by the Engineer.

Payment for Bid Item No. 1 – Mobilization shall be at the contract unit price lump sum (LS) and shall include full compensation for furnishing all labor, materials, tools, equipment and incidentals required and no additional costs shall be allowed.

Bid Item No. 2 – Traffic Control

Traffic control shall conform to the provisions of Sections 7-8 and 7-10 of the Standard Specifications, Special Provisions Special Instructions L, and these Special Provisions. Work under this section shall include all labor, materials, tools, transportation, equipment and all incidentals, and for doing all work necessary to achieve the traffic control herein or as directed by the Engineer.

Payment for Bid Item No. 2 – Traffic Control shall be at the contract unit price lump sum (LS) and shall include full compensation for furnishing all labor, materials, tools, equipment and incidentals required and no additional costs shall be allowed.

Bid Item No. 3 – Undergrounding Utilities Complete

Undergrounding utilities shall conform to the provisions of the Plans, Standard Specifications, Special Provisions Special Instructions A – E, G – K, and M, and these Special Provisions. Work under this section shall include all labor, materials, tools, transportation, equipment and all incidentals, and for doing all work necessary to achieve the undergrounding of utilities herein or as directed by the Engineer. Payment of materials shall not be provided until the materials are installed and the installation is accepted.

Payment for Bid Item No. 3 – Undergrounding Utilities Complete shall be at the contract unit price lump sum (LS) and shall include full compensation for furnishing all labor, materials, tools, equipment and incidentals required and no additional costs shall be allowed.

Bid Item No. 4 – Utility Coordinator/Coordination

Coordination with the utilities shall conform to the provisions of the Plans, Standard Specifications, Special Provisions Special Instructions, and these Special Provisions. Work under this section shall include all labor, materials, tools, transportation, equipment and all incidentals, and for doing all work necessary to achieve the full scope of work of the contract as described herein or as directed by the Engineer.

Payment for Bid Item No. 4 – Utility Coordinator/Coordination shall be at the contract unit price lump sum (LS) and shall include full compensation for furnishing all labor, materials, tools, equipment and incidentals required and no additional costs shall be allowed.

Bid Item No. 5 – Survey Monument Preservation

Survey monument preservation shall conform to the provisions of the Standard Specifications, Special Provisions Special Instructions C, and these Special Provisions. Work under this section shall include all labor, materials, tools, transportation, equipment and all incidentals, and for doing all work necessary to achieve the survey monument preservation herein or as directed by the Engineer.

Payment for Bid Item No. 5 – Survey Monument Preservation shall be at the contract unit price lump sum (LS) and shall include full compensation for furnishing all labor, materials, tools, equipment and incidentals required and no additional costs shall be allowed.

Bid Item No. 6 – Caltrans Coordination for Work and Traffic Control within Caltrans Right-of-Way

Coordination for work and traffic control within Caltrans right-of-way shall conform to the provisions of Special Provisions Special Instructions F. Work under this section shall include all labor, materials, tools, transportation, equipment and all incidentals, and for doing all work necessary to coordinate with Caltrans for work and traffic control and to achieve the Caltrans permit herein or as directed by Caltrans.

Payment for Bid Item No. 6 – Caltrans Coordination for Work and Traffic Control within Caltrans Right-of-Way shall be at the contract unit price lump sum (LS) and shall include full compensation for furnishing all labor, materials, tools, equipment and incidentals required and no additional costs shall be allowed.

Bid Item No. 7 – Caltrans Permit Fees for Work and Traffic Control within Caltrans Right-of-Way

The Permit Fee shall be the fee charged by Caltrans for any Caltrans Permit required for Work on Sepulveda Right-of-Way per Special Provisions Special Instructions F herein or as directed by Caltrans.

Payment for Bid Item No. 7 – Caltrans Permit Fees for Work and Traffic Control within Caltrans Right-of-Way shall be at the exact price paid to Caltrans as a permit fee as shown on the receipt from Caltrans. No markups or additional fees will be paid. A copy of the receipt for the payment of the permit fee must be submitted with the Payment Application that includes the permit fees. No payment will be made if a copy of the receipt is not provided.

Bid Item No. 8 – Crushed Conduit Repair per Location for All Depths

Crushed conduit repair shall conform to the provisions of Plans, Standard Specifications, and these Special Provisions. Work under this section shall include all labor, materials, tools, transportation, equipment and all incidentals, and for doing all work necessary to achieve the traffic control herein or as directed by the Engineer.

Payment for Bid Item No. 8 – Crushed Conduit Repair per Location for All Depths shall be at the contract unit price and shall include full compensation for furnishing all labor, materials, tools, equipment and incidentals required and no additional costs shall be allowed.

**APPENDIX I
PROGRESS PAYMENT REQUEST FORM**

TO: CITY OF MANHATTAN BEACH
 Engineering Division, 1400 Highland Avenue, Manhattan Beach, CA 90266
 PROJECT TITLE _____
 PROJECT NO. _____

FROM: CONTRACTOR _____ Date _____
 Address _____
 Telephone _____ Progress Estimate # _____
 Submitted by _____ Contract Award Amount \$ _____

No.	Description	Contract Quantity	Previous Quantity	Quantity This Estimate	Unit Price	Amount This Estimate	Total Quantity to Date	Total Amount to Date
1.								
2.								
3.								
4.								
5.								
6.								
7.								
8.								
9.								
10.								
11.								
12.								
13.								
14.								
	Total							
	Less Retention							
	Less Previous Billing(s)							
	Total Amount Due							

City Approval: _____

Date: _____

NOTE: An updated Project Schedule must be provided with each monthly progress payment in accordance with Section 6-1 of the General Provisions in addition to a Conditional Waiver and Release form per Section 9 -3.2.1

**APPENDIX II
ADDITIONAL REQUIREMENTS FROM SOUTHERN CALIFORNIA EDISON**

AC 752 Polyethylene Standpipe Vents

Scope AC 752.1 Polyethylene Standpipe Vents

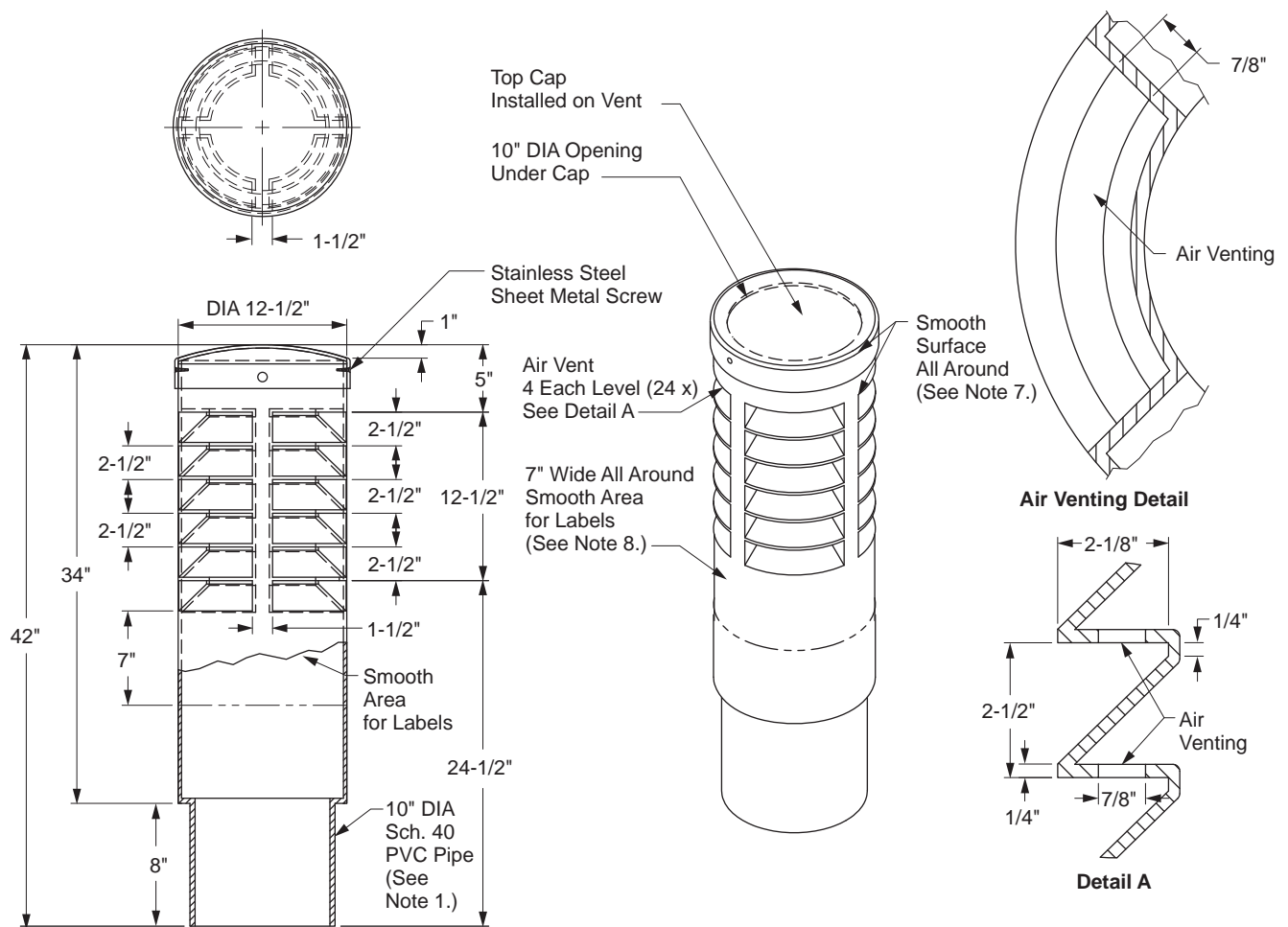
1.0 Application

Protection standpipe for air ventilation of structures. For use on 8-inch and 10-inch ventilation duct. Polyethylene standpipes should be ordered directly from the manufacturer.

Table AC 752-1: Polyethylene Standpipe Information

Standpipe Application	Duct Sizes (in)	Armorcast Part Number	SAP
New	8	P6002708-GRT	10117598
New	10	P6002710-SND	10117599

Figure AC 752-1: Polyethylene Standpipe Vents



Note(s):

- The bottom section is designed with a schedule 40 PVC pipe that will couple to standard PVC fittings. (Refer to Distribution Underground Construction Standards [DUG], VE 225 for replacement details.)
- Material: Linear medium-density polyethylene.

Approved by:

B. C.

Polyethylene Standpipe Vents

AC 752

Sheet 1 of 2

Effective Date:
10-24-2014

What's Changed? SAP Numbers added.

UGS

3. The sandstone finish is supplied for 10-inch ventilation duct standpipe vents. The granite finish is supplied for 8-inch ventilation duct standpipe vents.
4. Install per [AC 750](#) and [AC 758](#). Refer to Distribution Underground Construction Standards (DUG), VE 225 for replacement installation instructions.
5. Air venting: 125 square inches minimum open area per standpipe.
6. See [AC 760](#) for installing a ground wire.
7. Smooth surface section provided for stickers to label fault indicators and inspection dates.
8. Smooth surface section provided for structure and equipment numbers.
9. Four stainless steel sheet metal screws, "one way" head. Use tool, SAP 10145894

Manufacturer:

Armorcast Products Company
 13230 Saticoy st. North Hollywood, Ca 91605
 Phone: (818) 982-3600
 Fax: (818)982-7747

AC 752	Polyethylene Standpipe Vents	Approved by: <i>B. C.</i>
Sheet 2 of 2	What's Changed? SAP Number added to Note 9.	Effective Date:
UGS		10-24-2014

**APPENDIX III
ADDITIONAL REQUIREMENTS FROM CHARTER**



Subject: **New Underground Structure Requirements**
Updated 8/28/19

The following are Charter Communications Construction requirements for new development. The Owner/Developer will perform these functions. These are the minimum requirements:

Charter Communications requires the following from the owner/developer:

- Main line conduits; Vault to Vault, 2-4" sch. 40 conduits.
- Lateral conduits; Vault to Property Line 1-2" sch. 40 conduits.
- Limit of three consecutive 90-degree angles (main and lateral line). All 90 degree sweeps to be 36" min.
- Sweeps at base of pole and Riser conduits to be sch. 80
- 36" cover over all conduits.
- 12" separation between utilities.
- Pull rope in conduits.
- Main line conduits will have a vault/pedestal up to 3' x 5' as per design layout
- Residential lateral from vault/pedestal to main house panel not to exceed 150'.
- Pull boxes installed in conduit runs that exceed 30 m (100 ft.)
- Vault and pedestal locations; once installed to grade are to have 3 inches of drainage gravel added.
- All Charter active devices and devices at EOL (end of line) to be grounded with 8' copper clad ground rod, & #6 bare copper wire.
- Easement required for all facilities on private property
- Pre-construction meeting

Vaults and Pedestals

Charter preferred vender for vaults and pedestals; Armorcast Products Company.

www.armorcastprod.com

Contact: Louis Grivas louisg@armorcastprod.com

714-514-8082

Alternative vender for vaults and pedestals; Channel.

www.channell.com

Contact: Nathan Roessmann

nroessmann@channell.com

406-253-5522

**APPENDIX IV
ADDITIONAL REQUIREMENTS FROM FRONTIER**

TRENCHING AND CONDUIT SPECIFICATIONS FOR DEVELOPERS

I. NOTIFICATION

A. Start of work

1. The sole point of contact for placement of cable notification to _____. Developer will give twenty (20) work days notification in advance of the start of trenching, excluding weekends and holidays, for material ordering. When the trench is ready for telephone facilities, N/A working days notice will be given for scheduling of manpower
2. In the event of phased trenching, N/A working days notification will be necessary for each phase of trenching. When the trench is ready for telephone facilities, N/A working days notice will be given for Scheduling purposes.
3. In the event that the trench is in fact not ready for occupancy or is not in accordance with the construction plans and specification attached (Exhibit 1A), rescheduling delays may result. The developer will re-schedule through the above-named party in subsection 1, and will be responsible for having trenches open at the rescheduled date.

B. Inspection

1. To permit inspection of conduit installed by the developer, notify telephone company inspector at least 24 hours prior to backfilling of trench. Frontier Inspector _____ at telephone number _____

1. MATERIALS

A. Types of conduit

1. ABS, in accordance with Specification No. CA08546 (4") White
2. ABS, in accordance with Specification No. CA08546 (2") white

B. Manhole Identification

1. To comply with General Order No. 128 of the State of California Public Utilities Commission, all manhole and pull box covers (whether steel or cement type) must be marked "Frontier" in 2 inch high letters centered on the cover. Handhole covers may be marked "Frontier" with smaller letters. This identification marking must be requested on all covers at the time they are ordered from manufacturer.

2. CONSTRUCTION REQUIREMENTS

A. General

1. The Construction requirements contained herein are in addition to those shown on construction drawings.
2. Frontier California reserves the right to refuse to place its facilities until lot lines and grades are clearly defined and identified.

B. Open Trench

1. Frontier CA requires a minimum of ALL lineal feet of open and clear trench for each scheduled working day for the placement of cable by telephone construction crews.

C. Splice Pits

1. In the event that the identified splicing pits on the attached construction plans are backfilled prior to the completion by Frontier California Telephone the developer will be responsible for re-opening of the pits.

D. Duct Seals

1. All ducts stubbed out in trench must be sealed with plastic caps or plastic plugs.

E. Clearance

2. Non-Power Facilities

- a. Separation from foreign structures such as gas, water, and other non-power facilities shall be as follows:

- (i) Parallel: Twelve inches of well-tamped earth or three inches of concrete.
- (ii) Crossing: Six inches of well-tamped earth or three inches of concrete.

- b. Separation from CATV shall be random separation in same trench, or 6" at crossings.

2. Power facilities

- a. Separation from power cable in excess of 300 volts, buried or in conduit, either crossing or paralleling, shall be at least twelve inches of well-tamped earth or three inches of concrete. Partial backfill must be completed before trench is "ready" for telephone cable.
- b. Where voltages in power conductors do not exceed 300 volts to ground, telephone facilities may be placed with random separation from power company cables in the same trench or 6" separation when crossing.

TRENCHING AND CONDUIT SPECIFICATIONS FOR DEVELOPERS (cont.)

F. Depth of Cover

1. Minimum depths of cover from conduits and buried cables (except where greater depths are required by local or other law or regulations) shall be as follows.
 - a. Conduit
 - (i) 30" in streets or parking lots or other areas subject to vehicular traffic.
 - (ii) 30" for main feed routes on private property.
 - (iii) 24" for distribution systems on private property (except parking lots).
 - b. Buried Cable
 - (i) Buried cable will not be placed under the paved portion of a street.
 - (ii) Conduit is required for buried cable at street crossings, under parking areas, etc. at 30" cover.
 - (iii) 6" under sidewalks.
 - (iv) 18" for service wires and cables on private property.
 - (v) 18" in all other instances unless otherwise specified on the Construction Plan.
2. Trenches must provide the above specified minimum depths of cover measured from final grade.

G. Backfill

1. No backfilling of trenches shall be performed unless a Frontier Representative is present or prior approval to proceed is obtained.

H. Location Ties

1. All conduit and buried cable must be tied with dimensions to property lines to permit proper recording.
2. Trenches paralleling property lines shall be located to permit cable, conduit, or service wires to be placed as follows:
 - a. Rear Property Lines: At least three feet and not more than six feet from property line.
 - b. Side Property Lines: At least 18 inches and not more than 36 inches from property lines.

I. Rodding of Ducts

1. Subsequent to backfilling, but prior to paving, the developer will check all ducts with a mandrel to be certain they are clear. The mandrel is to be 1/4" less in diameter than the designated inside diameter of the duct. After checking with the mandrel, the developer will measure the wall-to-wall length of one duct in each conduit section and will place and leave a 1/4" polypropylene rope in duct(s) indicated on the drawing. Notify Frontier California Telephone Inspector at telephone number shown on item I.B.1. at least 24 hours in advance of pulling in the mandrel or measuring the duct.

3. DEVIATIONS

- A. Any location deviation must have the prior approval of Frontier California Telephone Company. Deviations other than location will not be allowed.

4. PUBLIC UTILITIES COMMISSION REGULATIONS

- A. Rules for the construction of underground electric supply and communication systems are contained in General Order No. 128 prescribed and issued by the Public Utilities Commission of the State of California. All construction must be in conformance with these rules and any applicable local ordinances.

CONSTRUCTION NOTES

- 1] ~~CONTRACTOR SHALL PROVIDE ALL TRENCHING, PLACEMENT AND BACKFILL OF THIS SYSTEM.~~
- 2] A MINIMUM OF 30" COVER BELOW GUTTER GRADE MUST BE MAINTAINED.
- 3] TELEPHONE CONDUIT SHALL BE KEPT CLEAR OF ALL OTHER UTILITIES (GAS, SEWER OR WATER) AS REQUIRED BY GOVERNMENT AGENCIES.
- 4] CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING NECESSARY EXCAVATION PERMITS AND FOR ANY INSPECTION FEES
- 5] UNLESS OTHERWISE NOTED, CONDUIT BENDS OR SWEEPS IN A TRENCH LINE MUST NOT HAVE A RADIUS OF LESS THAN 12' 6".
- 6] RISER DUCTS AND BUILDING ENTRANCE CONDUITS SHALL BE NOT LESS THAN A 36" RADIUS.
- 7] UNLESS OTHERWISE NOTED, ALL CONDUIT AND RISERS ARE TO BE SCHEDULE 40 PVC AND ALL RISER DUCTS MUST BE CAPPED WITH A SCHEDULE 40 PVC CAP.
- 8] CONDUIT SWEEPS AND BENDS LESS THAN 50' RADIUS MUST BE ENCASED IN 2B CONCRETE.
- 9] CONDUIT TERMINATING IN A MANHOLE MUST BE ENCASED IN 2B CONCRETE FOR AT LEAST 15" OUTSIDE THE MANHOLE WALL.
- 10] CONDUIT RUNS SHALL BE CONSTRUCTED TO HAVE A TOTAL OF NO MORE THAN 180 DEGREES OF BENDS BETWEEN MANHOLES, PULL BOXES OR TERMINATION POINTS.
- 11] DUCTS MUST BE "SHADED" WITH SAND AND BACKFILLED WITH MATERIAL THAT CONTAINS NO ROCKS OVER 3/8" IN DIAMETER.
- 12] DUCTS ARE TO BE QUALITY CHECKED BY DRAWING A MANDREL OF PROPER SIZE THROUGH ALL DUCTS IN THE PRESENCE OF A FACILITIES INSPECTOR.
- 13] CONTRACTOR SHALL PLACE A 3/8" POLYPROPYLENE PULLING LINE IN ALL DUCTS.
- 14] CONTRACTOR WILL FURNISH "TIES" FOR CONDUIT, PULL BOXES AND MANHOLES, AS WELL AS, WALL-TO-WALL AND WALL-TO-END MEASUREMENTS. ALL MEASUREMENTS ARE TO BE VERIFIED BY FACILITIES INSPECTOR PRIOR TO BACKFILLING.
- 15] ANY DEVIATION FROM THESE REQUIREMENTS OR ESTABLISHED SPECIFICATIONS MUST HAVE THE APPROVAL OF A INSPECTOR.
- 16] THE DEVELOPER OR CONTRACTOR MUST CONTACT *UNDERGROUND SERVICE ALERT* BY CALLING TOLL FREE: 800.422.4133 AT LEAST 48 HOURS PRIOR TO START OF CONSTRUCTION.
- 17] THE DEVELOPER OR CONTRACTOR MUST ALSO CONTACT THE FACILITIES INSPECTOR AT LEAST 48 HOURS PRIOR TO START OF CONSTRUCTION.

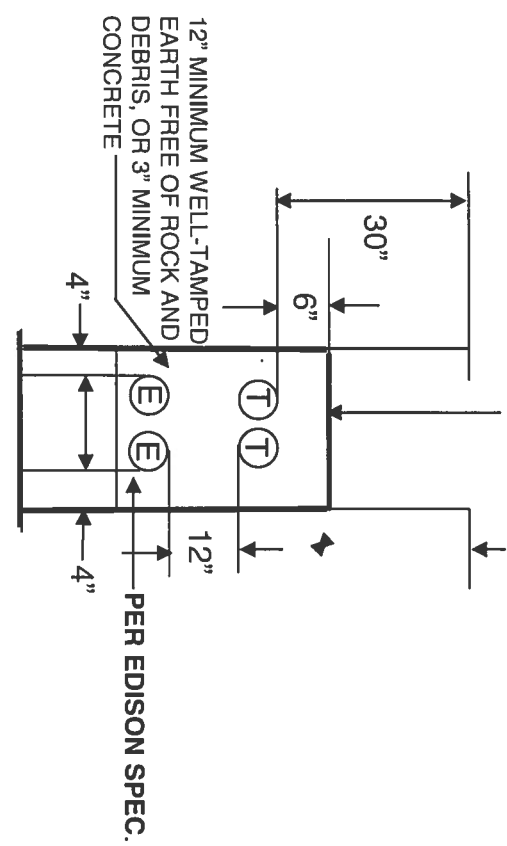
LOCATION			
EXCHANGE	C.O.		
ISSUE DATE	APPROVALS		
DWG NO	RELATED DWGE	WORK ORDER	

90067233 1E 00

DETAIL "A"
TYPICAL TRENCH

SELECT MATERIAL WELL-TAMPED EARTH FREE OF ROCK AND DEBRIS

FINAL GRADE



VERTICAL SEPERATION

CONTRACTOR NOTES:

- 1) ALL CONCRETE SWEEPS & BENDS WITH A RADIUS OF LESS THAN 50 FEET WILL BE ENCASED
- 2) CONDUIT BENDS IN TRENCH LINE THAT IS TO BE PROVIDED AND PLACED BY THE DEVELOPER WILL NOT HAVE LESS THAN 12 FEET AND 6 INCH RADIUS (UNLESS OTHERWISE SPECIFIED); CONDUIT WHICH ENTERS A BUILDING WILL NOT HAVE A RADIUS LESS THAN 36 INCHES.
- 3) PLACE GROUND ROD PROVIDED BY VERIZON @ RISER POLE (N/A)
- 4) DEVELOPER PR DEVELOPER'S CONTRACTOR TO PROVIDE ALL MANHOLE RACKING
- 5) VERIZON APPROVED MATERIAL MAY BE ORDERED FROM THE FOLLOWING MANUFACTURERS:

MH'S, PULLBOXES & PADS

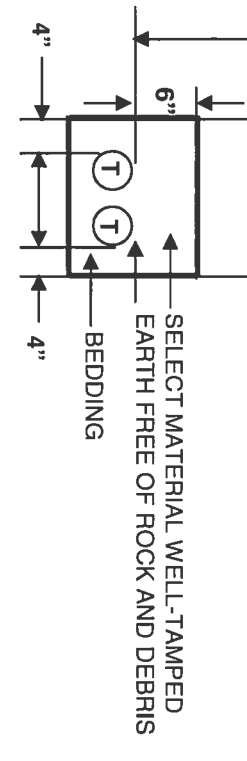
JENSEN PRECAST: (909) 350-4111
UTILITY VAULT: (909) 428-3700

CONDUIT

ABS - CA08546: 4" & 2" CONDUIT
CAL-DUCT: (909) 877-0577
GT8342: 4" & 2" CONDUIT
CAL-PIPE: (323) 778-8086
(800) 225-7473

VERTICAL SEPERATION

FINAL GRADE



HORIZONTAL SEPERATION

12" MINIMUM WELL-TAMPED EARTH FREE OF ROCK AND DEBRIS, OR 3" MINIMUM CONCRETE

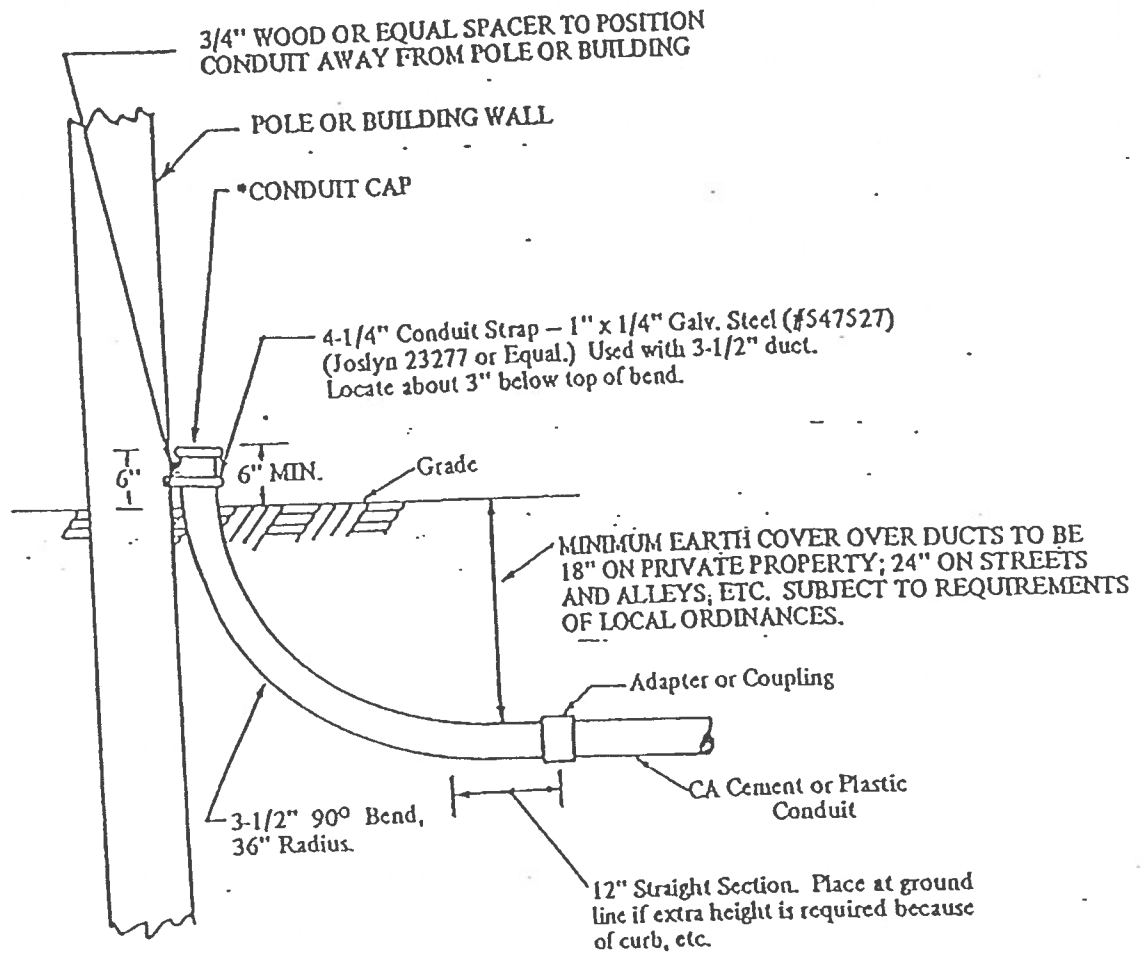
FINAL GRADE

PER EDISON SPEC.

SELECT MATERIAL WELL-TAMPED EARTH FREE OF ROCK AND DEBRIS

BEDDING

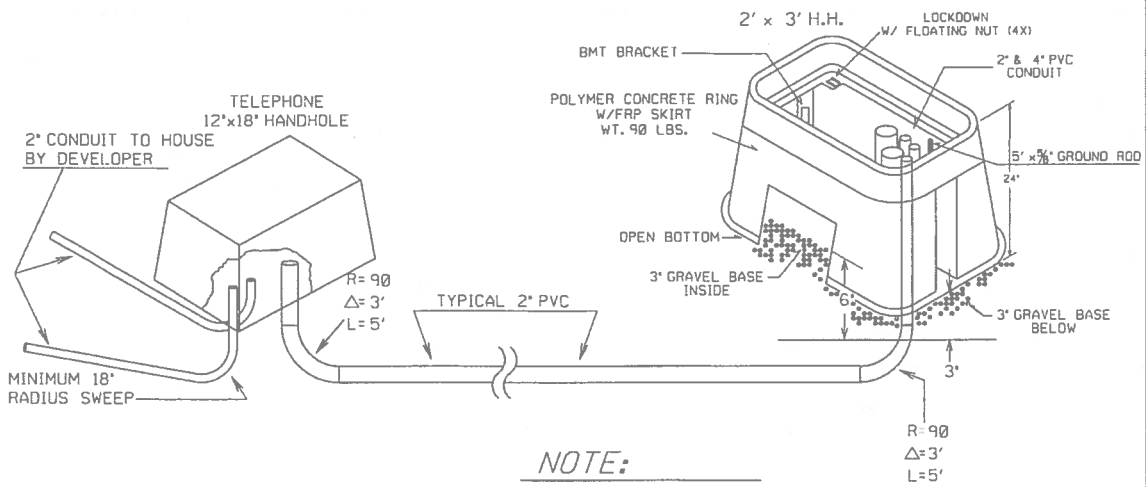
TELEPHONE ONLY



* A substitute cap such as a moulded PVC plastic threaded cap or ring to hold a hot-dipped galvanized steel cover plate may be furnished.

Figure 1 Typical Riser at Poles and Buildings

TYPICAL CONDUIT TERMINATION

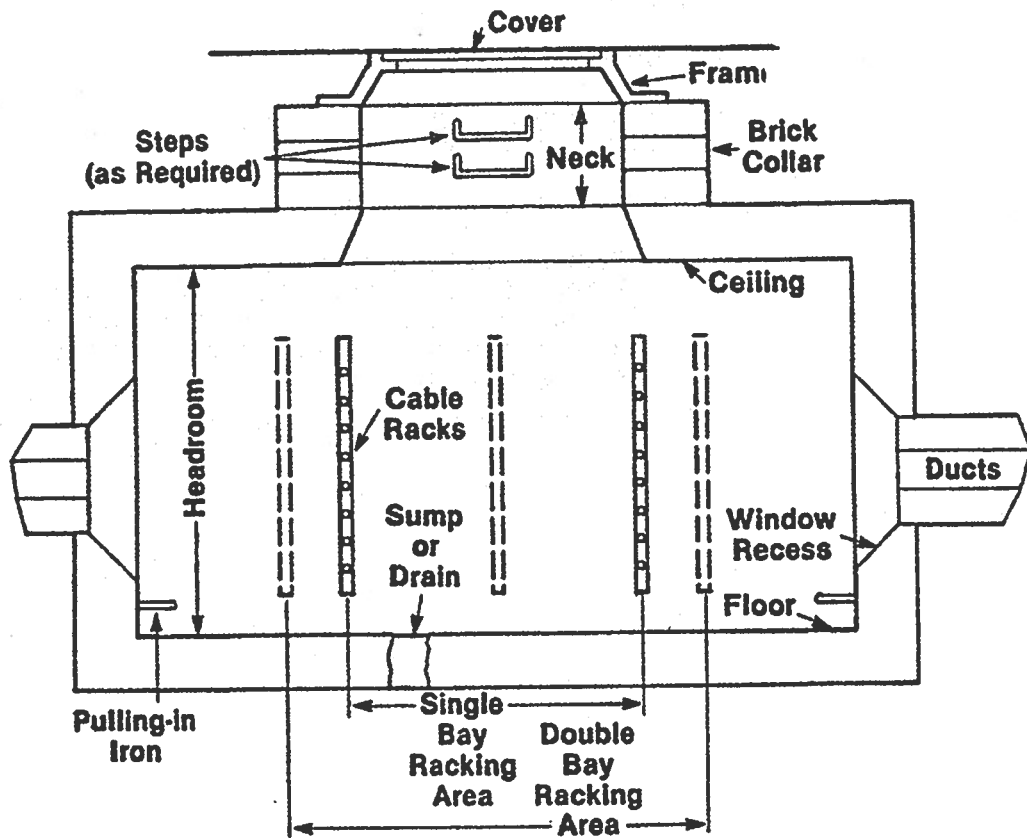


NOTE:

- 1) ALL CONDUITS AND GROUND ROD TO BE PLACED AT THE OPPOSITE END OF THE HANDHOLE FROM THE BMT BRACKET. THIS WILL ALLOW ADEQUATE SPACE FOR THE TERMINAL ON THE BMT BRACKET
- 2) 6" GRAVEL REQUIRED. 3" INSIDE BOX, AND 3" BELOW BOX

NOTE AREA —

OSP STRUCTURAL ENGINEERING
Manholes and Conduit



TYPICAL MANHOLE

Contact for Frontier approved Utility vaults:

Jensen Pre-cast - Telecom Utility Structures

14221 San Bernardino Ave

Fontana, CA 92335-5232

Matt Blaylock – 909-208-5625

<https://www.jensenprecast.com/Telecom-Utility-Structures/Manholes-p14890/>



CITY OF MANHATTAN BEACH

ADDENDUM NO. 1

BID DOCUMENTS

Project No. U-01 Bid No. 1222-20

UNDERGROUNDING UTILITY ASSESSMENT DISTRICT 4 Between Ardmore Ave. and Sepulveda Blvd. and Between 2nd St. and Boundary Pl.

Issued on October 17, 2019

Please note the following revisions to the Request for Bid document for the Undergrounding Utility Assessment District 4 Project (Project No. U-01 and Bid Number 1222-20). *A signed copy of this addendum must be attached to the bid.*

Responses to Questions:

- Q1. SCE only requires DB conduit but your specification sheet is requesting sch 40, please clarify.
- A1. For undergrounding of Southern California Edison (SCE) facilities, the Contractor shall comply with the SCE plans, the SCE specifications included in Underground Structure Standards (UGS), Electrical Service Requirements (ESR), and the SCE specifications included in the Appendices of the Project Specifications. There are instances where Schedule 40 PVC is required for the SCE facilities. It is imperative that the Contractor be familiar with where the different types of conduits are required for the facilities of all the utilities included in the Project since per Special Provisions, Part I: Special Instructions, Section E.2, the Contractor is responsible for ensuring that the installation of all underground utilities is completed in a manner that will be accepted by SCE, Charter, and Frontier and for coordinating with all the applicable utility companies for the turnover of the undergrounded utilities and ensuring the utility companies' approval and acceptance of the undergrounded utilities.

- Q2. Just for clarification: Schedule 80 conduit is wanted on all conduit rising into boxes and poles, or is it just the poles?
- A2. Per Special Provisions, Part I: Special Instructions, Section A, the undergrounding of the facilities for SCE, Charter, and Spectrum shall comply with the requirements of each utility, the plans, and the Specifications. Additionally, it is imperative that the Contractor be familiar with where the different types of conduits are required for the facilities of all the utilities included in the Project since per Special Provisions, Part I: Special Instructions, Section E.2, the Contractor is responsible for ensuring that the installation of all underground utilities is completed in a manner that will be accepted by SCE, Charter, and Frontier and for coordinating with all the applicable utility companies for the turnover of the undergrounded utilities and ensuring the utility companies' approval and acceptance of the undergrounded utilities.
- Q3. Just for clarification: Is a trench shoring plan prepared by a state of California-licensed civil or structural engineer to be provided with the bid, or only if awarded?
- A3. A trench shoring plan is not required to be submitted with the Bid. A trench shoring plan is only required to be submitted by the Contractor that is awarded the Project.
- Q4. In regards to the required Bid Forms (e.g. Bid Schedule, Contractor's Statement, Noncollusion Declaration, etc.), are two signatories required, or will one signature of a person duly authorized to bind the Company to contract suffice? Please advise.
- A4. If the Articles of Incorporation of the Company permits the use of one signature to bind the Company to a contract, then one signature of a person duly authorized to bind the Company to contract is acceptable.
- Q5. For runs like in front of 1035 Duncan Ave. and 1035 to 1015 First St., Do we have to run behind the curb or can we move the trench into the street so we can save the driveways and not do so much concrete?
- A5. The conduit shall be installed as shown on the Project Plans.
- Q6. What are your requirements for floaters, grind and cap, slurry seal, and general base paving?
- A6. Per the revised Special Provisions Part II: Standard and Special Technical Provisions, which are provided in this Addendum No. 1 as "Revisions to the Bid Documents" numbers 5 – 8, please refer to the Specifications and the City's Standard Drawings for these requirements.
- Q7. How many survey monuments will be affected?
- A7. Per Special Provisions, Part I: Special Instructions, Section C.1: Permanent Survey Markers, it is the Contractor's responsibility to identify and protect survey monuments during construction operations.
- Q8. What area(s) of the job belongs to Caltrans?
- A8. Sepulveda Blvd. is SR-1 and is Caltrans right-of-way. It is anticipated that there will be a hot tie-in on Sepulveda Blvd.

Q9. Please verify that we are to stop at property lines with all utilities.

A9. Per Special Provisions, Part I: Special Instructions, Section A, the intent of the project is to use a joint trench to place electrical, telephone and cable television in the ground within the public right-of-way and easements as shown on the plans and included in the Specifications.

Q10. Will the City be providing contractors with a yard for material?

A10. A yard will not be provided. The City will assist the Contractor with the possibility of procuring a storage or laydown area; however, the availability of a storage or laydown area is not guaranteed. Per General Provisions Section 7-8, the Contractor is responsible for making arrangements for storing its equipment and materials.

Q11. Is it also a requirement to place 2 electronic message boards on the alley ways and crossing streets, or does this apply to only on the main streets?

A11. The requirement to place two electronic changeable message boards on each of the streets impacted by the Work applies to all streets, including alleys.

Q12. Is it required to recess the steel plates?

A12. Yes, steel plates must be flush with the roadway or sidewalk surface.

Q13. Where can I find the paving standard call out in the bid specification standard STD-106-L Subsection 306-6?

A13. Disregard the reference to "STD-106-L." The City's pavement standard drawings are available on the City's website, <https://www.citymb.info/departments/public-works/engineering-division/standard-drawings>, and are consist of the following Standard Plan Numbers: MBSI-131A-1, MBSI-132A-0, MBSI-133A-0, MBSI-135A-0, and MBSI-136A-0.

Subsection 306-6 refers to Section 306-6 of the Standard Specifications for Public Works Construction (Greenbook).

Revisions to the Bid Documents:


1. **Special Provisions, Part I: Special Instructions, Section D.1:** The third paragraph of Section D.1 of the Special Provisions, Part I: Special Instructions is hereby revised to the following: "Mark the terminus point of all conduit runs not terminating in a junction box, handhole or other such structure. This requirement applies to, but is not limited to, stub out locations at property lines. Use a v-notch or paint to depict the terminus of the conduit. Other permanent or semi-permanent methods of marking the terminus of the conduit may be used after being submitted to and approved by the City Engineer. Secure the conduit ends with tape or other such plug to avoid contamination."

2. **Special Provisions, Part I: Special Instructions, Section L.7:** Section L.7 under Special Provisions, Part I: Special Instructions is hereby revised to the following: “All open trenches shall be covered with non-skid steel plates or temporary asphalt pavement before and after work hours. The non-skid steel plate are used, the non-skid steel plates must be installed so that they are flush with the roadway or sidewalk surface.”
3. **Special Provisions, Part I: Special Instructions, Section K:** Section K.2 of the Special Provisions, Part I: Special Instructions is hereby revised to the following: “Maintain all job sites in neat and orderly condition at all times, with allowance for pedestrian access compliant with Americans with Disabilities Act and California Title 24 requirements. Large Equipment may be stored on the street in a parking space overnight; however, the equipment may not impede traffic or access to driveways and the equipment may not be stored in the same location for multiple days. The equipment must be moved with the location of the Work that is in progress.”
4. **Special Provisions, Part I: Special Instructions, Section K:** The following paragraph is hereby added as Section K.3 under Section K of the Special Provisions, Part I: Special Instructions is hereby revised to the following:

“3. The City will assist the Contractor with the possibility of procuring a storage or laydown area; however, the availability of a storage or laydown area is not guaranteed. Per General Provisions Section 7-8, the Contractor is responsible for making arrangements for storing its equipment and materials.”
5. **Special Provisions, Part II: Standard and Special Technical Provisions, Section 306-3:** The second paragraph under Section 306-3 Trench Excavations of Special Provisions Part II: Standard and Special Technical Provisions is hereby revised to the following: “Installation of underground utility facilities shall conform to the requirements per Project and Specifications and shall meet the requirements of Southern California Edison, Charter, and Frontier.”
6. **Special Provisions, Part II: Standard and Special Technical Provisions, Section 306-3.1.1:** The third paragraph under Section 306-3.1.1 Trench Excavation and Subgrade of Special Provisions Part II: Standard and Special Technical Provisions is hereby revised to the following: “Trench width shall be outside diameter plus twelve (12) inches minimum or outside diameter plus twenty (20) inches maximum, including thickness of trench shoring or sheeting in conformance with the Project Plans and Specifications and the requirements of Southern California Edison, Charter, and Frontier.”
7. **Special Provisions, Part II: Standard and Special Technical Provisions, Section 306-3.1.1:** The first sentence of the ninth paragraph under Section 306-3.1.1 Trench Excavation and Subgrade, Excess Excavation of Special Provisions Part II: Standard and Special Technical Provisions is hereby revised to the following: “Whenever excavation is made below the required trench bottom, suitable and approved bedding material (in conformance with City Standards and Section 306-6 of the Standard Specifications) shall be used to bring the trench back to proper grades.”

8. **Special Provisions, Part II: Standard and Special Technical Provisions, Section 306-3.1.1:** The first sentence of the thirteenth paragraph under Section 306-3.1.1 Trench Excavation and Subgrade, Compaction of Special Provisions Part II: Standard and Special Technical Provisions is hereby revised to the following: “After conduit installation, trench bedding and backfill shall include sand shading and compaction to the satisfaction of the Engineer, in conformance to the Project Plans, City Standards, Section 306-6 of the Standard Specifications, and these Special Provisions.”

This Addendum is approved by:


for PREM KUMAR, PE, CITY ENGINEER

10/17/2019
DATE

A SIGNED COPY OF THIS ADDENDUM MUST BE ATTACHED TO THE BID.

I hereby acknowledge that the information contained in this addendum has been included in the bid submitted for this project.

COMPANY NAME

SIGNATURE

DATE



CITY OF MANHATTAN BEACH

ADDENDUM NO. 2

BID DOCUMENTS

Project No. U-01 Bid No. 1222-20

UNDERGROUNDING UTILITY ASSESSMENT DISTRICT 4 Between Ardmore Ave. and Sepulveda Blvd. and Between 2nd St. and Boundary Pl.

Issued on October 17, 2019

Please note the following revisions to the Request for Bid document for the Undergrounding Utility Assessment District 4 Project (Project No. U-01 and Bid Number 1222-20). *A signed copy of this addendum must be attached to the bid.*

Revisions to the Bid Documents:

1. **Bid Opening Date and Time on the Notice Inviting Bids:** The second sentence of the first paragraph of the Notice Inviting Bids is hereby revised to the following: “The City will receive such Bids at the City Clerk’s office, City Hall, 1400 Highland Avenue, Manhattan Beach, California 90266 up to 11:00 a.m. on Monday, October 28, 2019, at which time they will be publicly opened and read aloud.”
2. **Appendices:** The following Appendix is hereby added to the Bid Documents of Project No. U-01 Bid No. 1222-20 and is attached to this Addendum No. 2:
 - APPENDIX V REFERENCE SOIL SAMPLES

This Addendum is approved by:



10/17/2019

for PREM KUMAR, PE, CITY ENGINEER

DATE

A SIGNED COPY OF THIS ADDENDUM MUST BE ATTACHED TO THE BID.

I hereby acknowledge that the information contained in this addendum has been included in the bid submitted for this project.

COMPANY NAME

SIGNATURE

DATE

**APPENDIX V
REFERENCE SOIL SAMPLES**



STREET CORING INVESTIGATION



October 17, 2019

SCST No. 190281P5
Report No. 1

Lesly Cantarero
Associate Engineer
Quantum Consulting, Inc.
2720 Sepulveda Blvd., Suite 100
Torrance, CA 90505

Subject: STREET CORING INVESTIGATION
1ST ST. NEAR SEPULVEDA BLVD. & DUNCAN AVE. NEAR ARDMORE
MANHATTAN BEACH, CALIFORNIA


Dear Ms. Cantarero:

In accordance with your request and authorization, SCST, LLC (SCST), an Atlas company, has completed the street coring investigation at the subject site. Our scope of work consisted of coring two holes through the existing asphalt at 1st Street and Duncan Avenue; hand augering, logging, and sampling up to 5 feet of the underlying subgrade soils, and performing laboratory testing of representative materials obtained during the field investigation. The core locations were pre-determined by the City of Manhattan Beach. Laboratory testing consisted of determining the particle-size distribution of the soils in accordance with the ASTM D6913 standard test method. A summary of our findings is as follows.

Core No.	Date Cored	Core Location	Asphalt Thickness	Base Thickness	Subgrade Soils
B-1	10/11/19	1 st Street	6.5 inches	None	Poorly Graded Sand (SP)
B-2	10/11/19	Duncan Avenue	7 inches	None	Silty Sand (SM) to Poorly Graded Sand (SP)

We appreciate this opportunity to be of continued service to you. Should you have any questions, please contact us at 619-280-4321.

Respectfully Submitted
SCST, LLC



Isaac Chun, GE 2649
Principal Engineer

IC:hu

Attachments: Appendix I – Field Investigation
Appendix II - Laboratory Test Results

(1) Addressee via e-mail: lcantarero@thequantumconsulting.com
(1) Anastasia Seims via email: aseims@citymb.info







**APPENDIX I
FIELD INVESTIGATION**

SUBSURFACE EXPLORATION LEGEND



UNIFIED SOIL CLASSIFICATION CHART

<u>SOIL DESCRIPTION</u>	<u>GROUP SYMBOL</u>	<u>TYPICAL NAMES</u>
I. COARSE GRAINED, more than 50% of material is larger than No. 200 sieve size.		
<u>GRAVELS</u> More than half of coarse fraction is larger than No. 4 sieve size but smaller than 3".	CLEAN GRAVELS	GW Well-graded gravels, gravel-sand mixtures, little or no fines
		GP Poorly graded gravels, gravel sand mixtures, little or no fines.
	GRAVELS WITH FINES (Appreciable amount of fines)	GM Silty gravels, poorly graded gravel-sand-silt mixtures.
		GC Clayey gravels, poorly graded gravel-sand, clay mixtures.
<u>SANDS</u> More than half of coarse fraction is smaller than No. 4 sieve size.	CLEAN SANDS	SW Well-graded sand, gravelly sands, little or no fines.
		SP Poorly graded sands, gravelly sands, little or no fines.
		SM Silty sands, poorly graded sand and silty mixtures.
		SC Clayey sands, poorly graded sand and clay mixtures.
II. FINE GRAINED, more than 50% of material is smaller than No. 200 sieve size.		
SILTS AND CLAYS (Liquid Limit less than 50)	ML	Inorganic silts and very fine sands, rock flour, sandy silt or clayey-silt-sand mixtures with slight plasticity.
	CL	Inorganic clays of low to medium plasticity, gravelly clays, sandy clays, silty clays, lean clays.
	OL	Organic silts and organic silty clays or low plasticity.
SILTS AND CLAYS (Liquid Limit greater than 50)	MH	Inorganic silts, micaceous or diatomaceous fine sandy or silty soils, elastic silts.
	CH	Inorganic clays of high plasticity, fat clays.
	OH	Organic clays of medium to high plasticity.
III. HIGHLY ORGANIC SOILS	PT	Peat and other highly organic soils.

SAMPLE SYMBOLS

	- Bulk Sample
	- Modified California Sampler
	- Undisturbed Chunk sample
	- Maximum Size of Particle
	- Shelby Tube
	- Standard Penetration Test sampler

GROUNDWATER SYMBOLS

	- Water level at time of excavation or as indicated
	- Water seepage at time of excavation or as indicated

LABORATORY TEST SYMBOLS

AL	- Atterberg Limits
CON	- Consolidation
COR	- Corrosivity Tests (Resistivity, pH, Chloride, Sulfate)
DS	- Direct Shear
EI	- Expansion Index
MAX	- Maximum Density
RV	- R-Value
SA	- Sieve Analysis



SCST, LLC

1st Street and Duncan Avenue
Manhattan Beach, California

By: NR	Date: October, 2019
Job Number: 190281P5-1	Figure: I-1

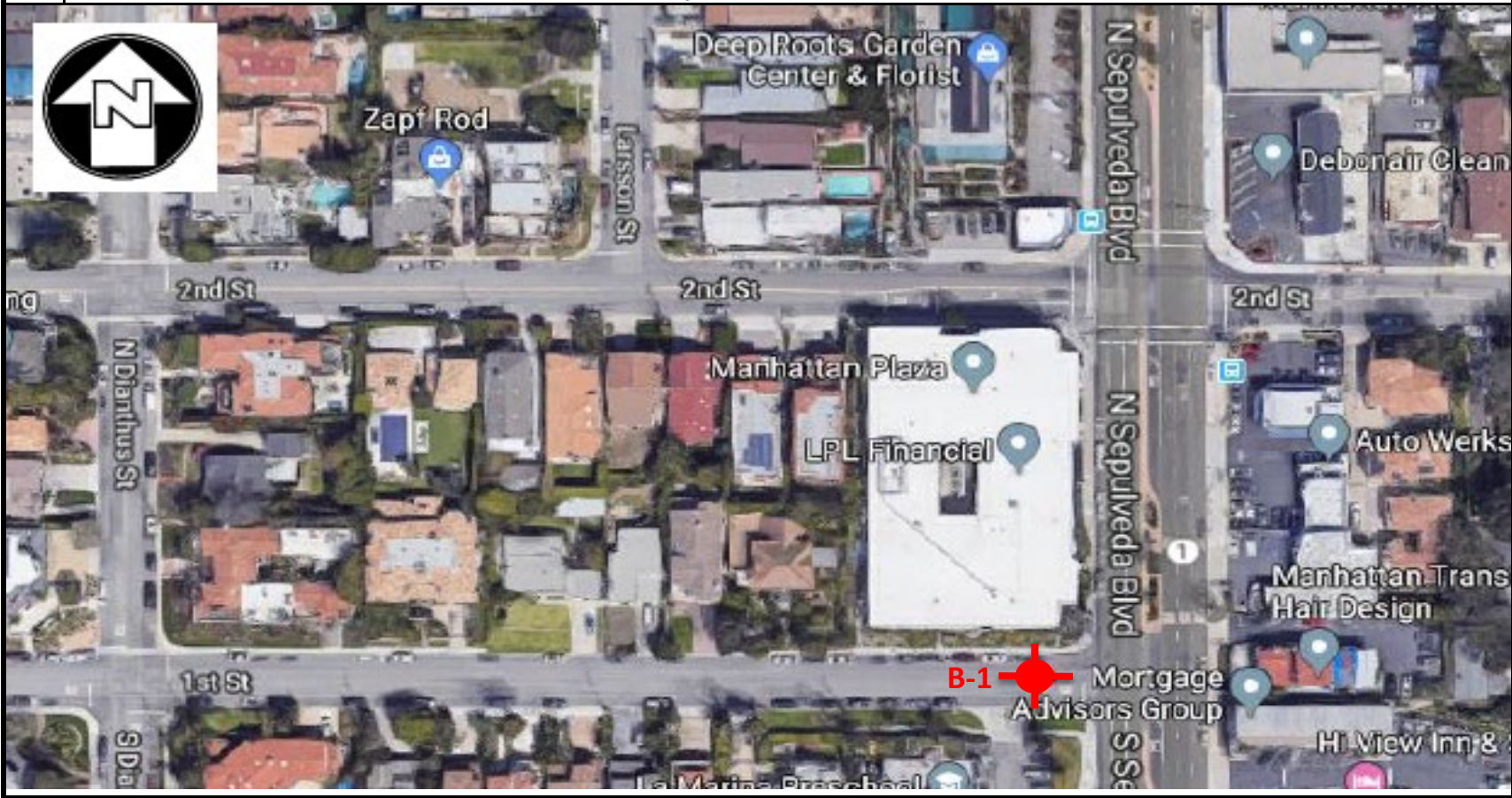
Job: 1st Street and Duncan Ave Street Coring CMT
 City of Manhattan Beach, California

Explor. No.: B-1 (1st Street)
 Job No.: 190281P5
 Date Drilled: 10/11/2019
 Logged By: NR
 Equipment: Core Rig and Hand Auger
 Hammer Wt. and Drop Ht.:

Exist. el: _____ Finish el: _____

Depth	Sample Loc.	Blowcounts	Sample Type	USCS	Color	Sand grain sizes	% Fines (- #200)	% Gravel (+ #4)	% Cobbles/Boulders (+ 3")	Maximum Size	Plasticity or NP	Moisture	Density/Consistency	Remarks
0.5	NA		Bulk	SP	Olive Brown	M to C	1-2	NA	NA	NA	NP	M	M. Dense	6.5" AC - No Base POORLY GRADED SAND
1														
1.5														
2														
2.5														
3														
3.5														
4														
4.5														
5														

Sample hole Terminated at 5 feet



Job: 1st Street and Duncan Ave Street Coring CMT
 City of Manhattan Beach, California

Explor. No.: B-2 (Duncan Avenue)

Job No.: 190281P5

Date Drilled: 10/11/2019

Logged By: NR

Equipment: Core Rig and Hand Auger

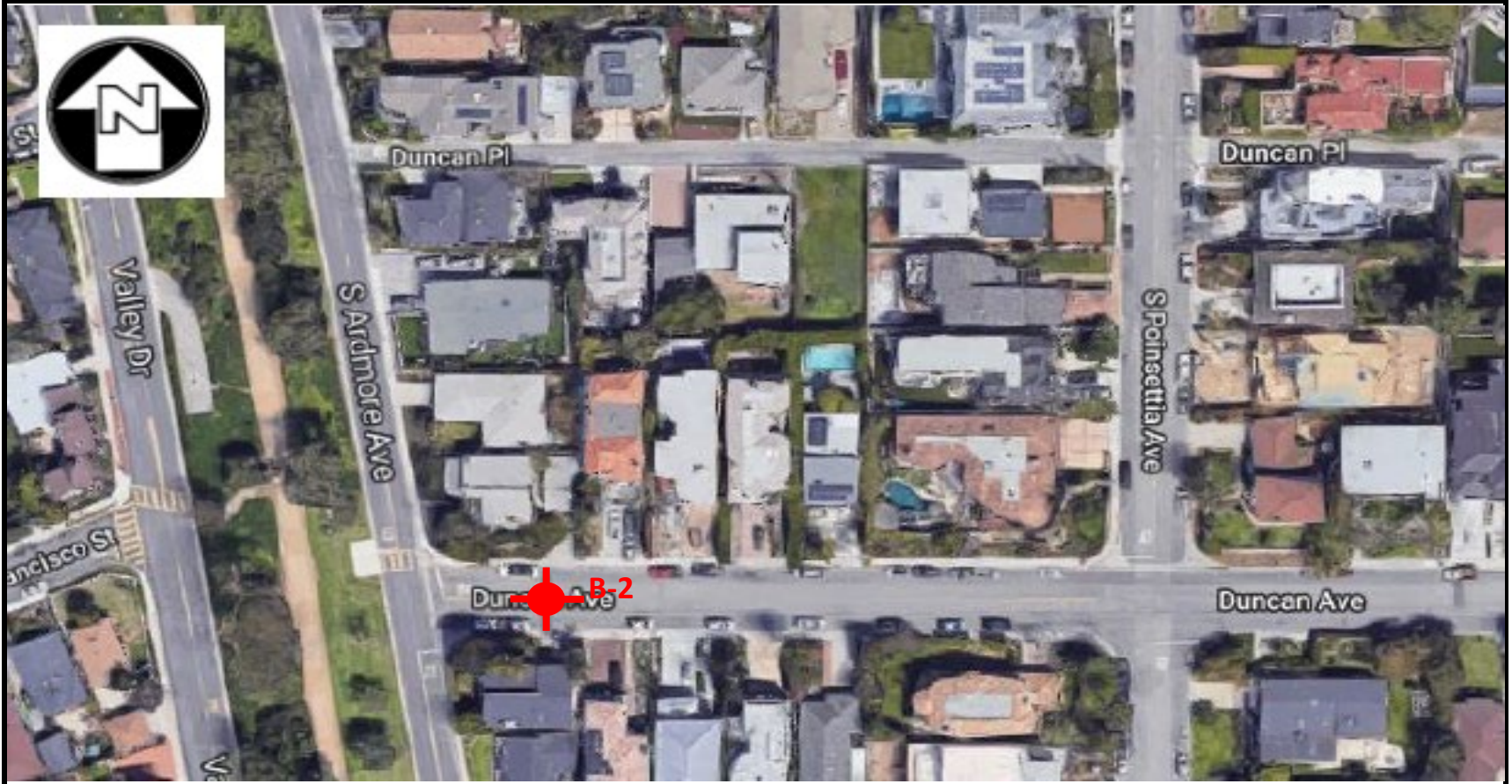
Exist. el: _____

Finish el: _____

Hammer Wt. and Drop Ht.: _____

Depth	Sample Loc.	Blowcounts	Sample Type	USCS	Color	Sand grain sizes	% Fines (- #200)	% Gravel (+ #4)	% Cobbles/Boulders (+ 3")	Maximum Size	Plasticity or NP	Moisture	Density/Consistency	Remarks
0.5	NA		Bulk	SM	Brown	F to M	22-23	NA	NA	NA	NP	M	V.Dense	7" AC - No Base SILTY SAND
1														
1.5														
2														
2.5														
3	NA		Bulk	SP	Light Brown	F to C	2-3	NA	NA	NA	NP	M	M. Dense	POORLY GRADED SAND
3.5														
4														
4.5														
5														

Sample hole Terriated at 5 feet

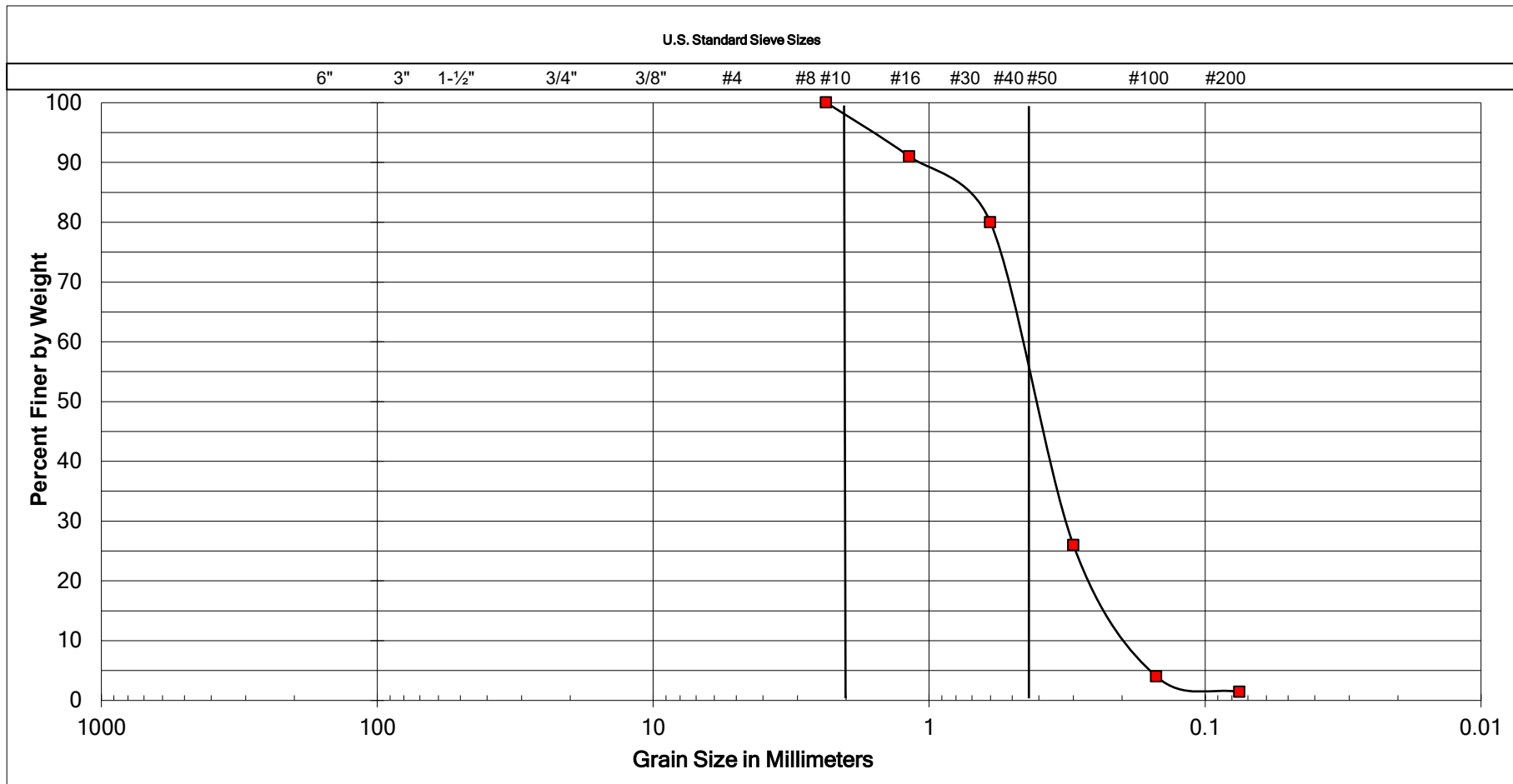


APPENDIX II LABORATORY TESTING

Laboratory tests were performed to provide geotechnical parameters for engineering analyses. The following tests were performed:

- **CLASSIFICATION:** Field classifications were verified in the laboratory by visual examination. The final soil classifications are in accordance with the Unified Soil Classification System.
- **PARTICLE-SIZE DISTRIBUTION:** The particle-size distribution was evaluated on five samples in accordance with D6913.

Soil samples not tested are now stored in our laboratory for future reference and analysis, if needed. Unless notified to the contrary, samples will be disposed of 30 days from the date of this report.



Cobbles	Gravel	Sand	Silt or Clay
	Coarse Fine	Coarse Medium Fine	

SAMPLE LOCATION
B-1 at ½ to 5 feet 1st Street

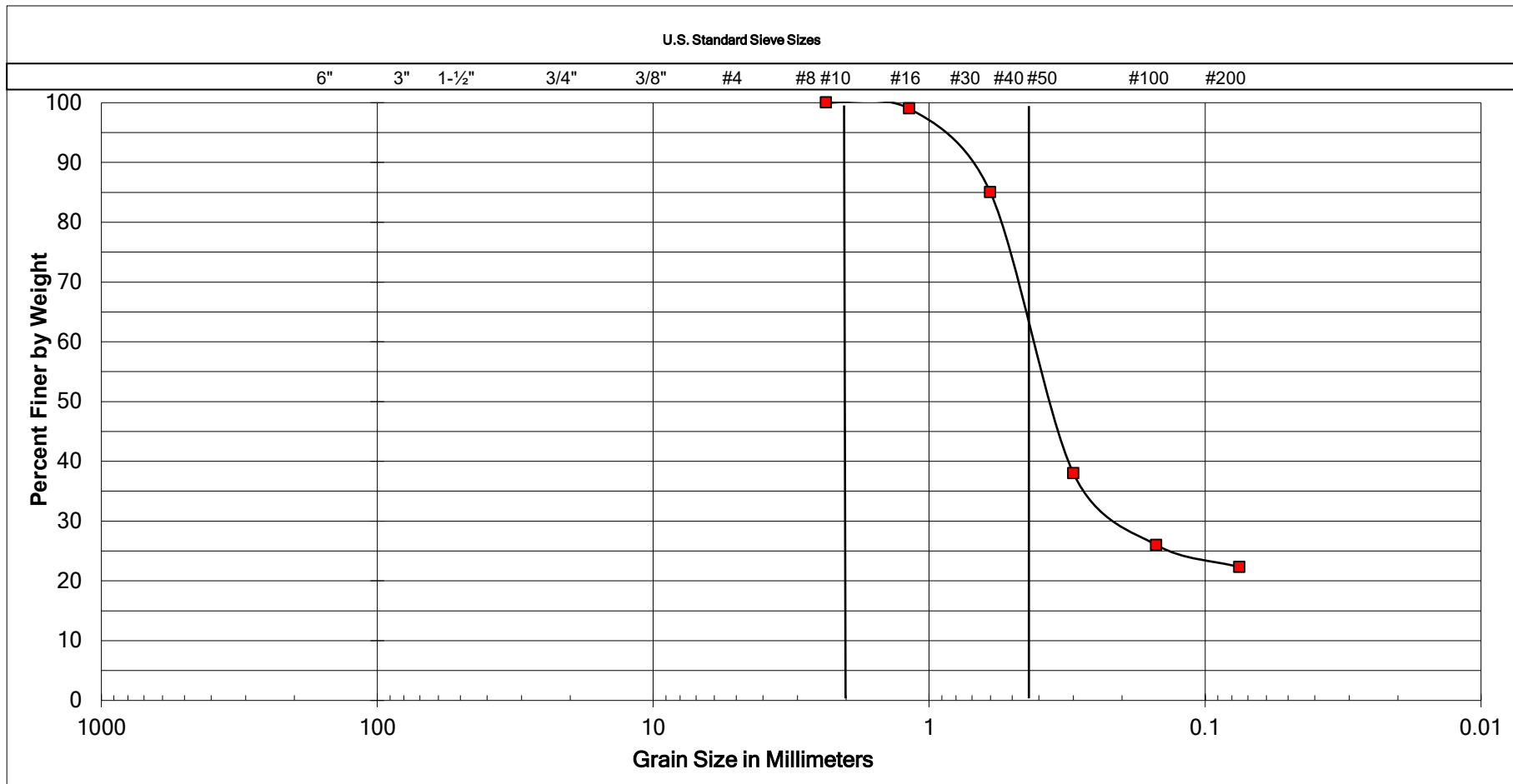
UNIFIED SOIL CLASSIFICATION:	SP
DESCRIPTION	Poorly Graded Sand

ATTERBERG LIMITS	
LIQUID LIMIT	---
PLASTIC LIMIT	---
PLASTICITY INDEX	---



1st Street and Duncan Avenue
Manhattan Beach, CA

By: DRB	Date: October, 2019
Job Number: 190281P5-1	Figure: II-1



Cobbles	Gravel		Sand			Silt or Clay
	Coarse	Fine	Coarse	Medium	Fine	

SAMPLE LOCATION
B-2 at ½ to 3 feet Duncan Avenue

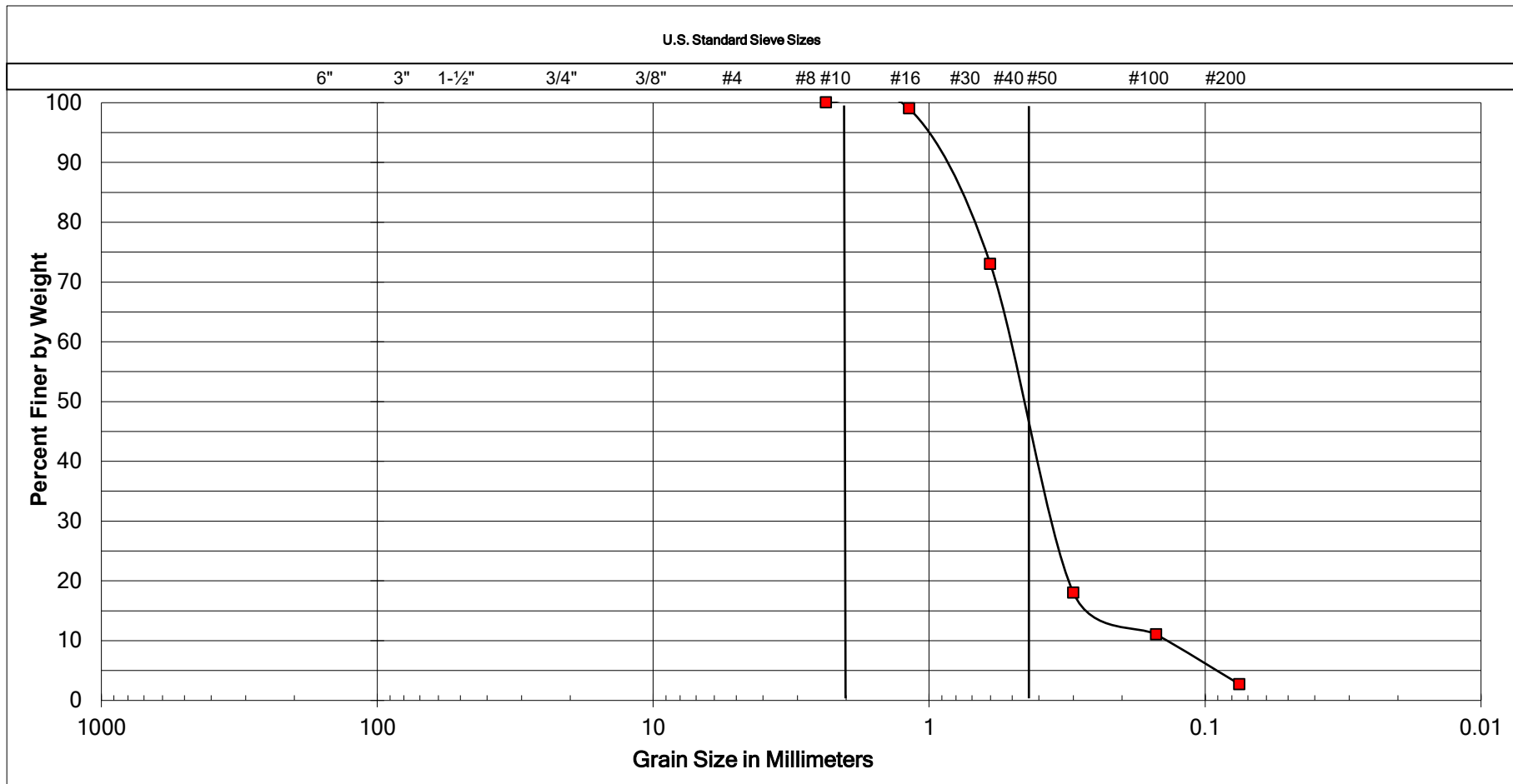
UNIFIED SOIL CLASSIFICATION:	SM
DESCRIPTION	Silty Sand

ATTERBERG LIMITS	
LIQUID LIMIT	----
PLASTIC LIMIT	----
PLASTICITY INDEX	----



1st Street and Duncan Avenue
Manhattan Beach, CA

By: DRB	Date: October, 2019
Job Number: 190281P5-1	Figure: II-2



Cobbles	Gravel	Sand	Silt or Clay
	Coarse Fine	Coarse Medium Fine	

SAMPLE LOCATION
B-2 at 3 to 5 feet Duncan Avenue

UNIFIED SOIL CLASSIFICATION:	SP
DESCRIPTION	Poorly Graded Sand

ATTERBERG LIMITS	
LIQUID LIMIT	---
PLASTIC LIMIT	---
PLASTICITY INDEX	---



1st Street and Duncan Avenue Manhattan Beach, CA	
By: DRB	Date: October, 2019
Job Number: 190281P5-1	Figure: II-3



CITY OF MANHATTAN BEACH

ADDENDUM NO. 3

BID DOCUMENTS

Project No. U-01 Bid No. 1222-20

UNDERGROUNDING UTILITY ASSESSMENT DISTRICT 4 Between Ardmore Ave. and Sepulveda Blvd. and Between 2nd St. and Boundary Pl.

Issued on October 21, 2019

Please note the following revisions to the Request for Bid document for the Undergrounding Utility Assessment District 4 Project (Project No. U-01 and Bid Number 1222-20). *A signed copy of this addendum must be attached to the bid.*

Revisions to the Bid Documents:

1. **Table of Contents:** The following is hereby added to the Table of Contents after “Appendix IV Additional Requirements from Frontier:”

“APPENDIX V REFERENCE SOIL SAMPLES
APPENDIX VI SCE UUAD 4 DESIGN REDLINES”

2. **Special Provisions, Part I: Special Instructions, Section B:** The following paragraph is hereby added to Section B after the second paragraph of Section B of the Special Provisions, Part I: Special Instructions:


“Appendix VI: SCE UUAD 4 Design Redlines includes redlines to the SCE Plans, which SCE will incorporate into the plan set for UUAD 4. The Contractor shall assume that these changes are part of the Project and shall include them in their Bid. No allowances for cost

adjustments will be made if a Bidder fails to adequately account for the information included in Appendix VI: SCE UUAD 4 Design Redlines.”

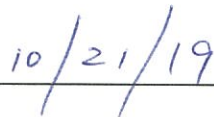
3. **Appendices:** The following Appendix is hereby added to the Bid Documents of Project No. U-01 Bid No. 1222-20 and is attached to this Addendum No. 3:

- APPENDIX VI SCE UUAD 4 DESIGN REDLINES

This Addendum is approved by:



PREM KUMAR, PE, CITY ENGINEER



DATE

A SIGNED COPY OF THIS ADDENDUM MUST BE ATTACHED TO THE BID.

I hereby acknowledge that the information contained in this addendum has been included in the bid submitted for this project.

COMPANY NAME

SIGNATURE

DATE

**APPENDIX VI
SCE UOAD 4 DESIGN REDLINES**

36 CI: 4624960E
 26' CONC. ELECTROLIER W/6' ARM
 31W LED LUMINAIRE
 V5384 TO H384B
 IN: 217' 2-350 1-4/0
 1 1 1/2 *
 409 153' V5384 TO 4960E
 IN: 167' #8

58 EX: 782003E POLE
 RM: 38' #2
 1- 3" TO 2" RISER
 ABND: EX. 1-3" (5')

37 CI: 4624961E
 26' CONC. ELECTROLIER W/6' ARM
 31W LED LUMINAIRE
 V5384
 H384A TO 4961E
 IN: (51) #8
 adjust

28 V5384 TO X 8343
 IN: 1-3-1/2-1/2-JCN (PISTON 16KV)

CF: H384A
 17"x30"x24" (HH-6)
 IN: 3-4W SEC. BAR

MEMO
 SEE RUN 218
 SHEET 8

H384A TO P/L
 IN: 97' 2-1/0 1-#2

MATCH LINE STA. 60+00
 SEE SHEET 8

T.L.M. DATA: V5505384

	SIZE	KVA	CUST	% LOAD
EXIST.	-	-	-	- %
PROP.	50	38	13	77 %
VD:	.4%			
FL:	4.3%			
PRIMARY CIRCUIT:	PISTON 16KV			

CF: V5505384 VAULT 9
 6'x12'x7'
 2- 10" SP VENTS REQ'D
 IN: 1- 50KVA/16KV FBT
 SN:
 2- LB ELBOWS
 1- ELBOW W/CANDLE
 2- 1/2 3-WAY T-SPLICES

SUR
 DATE

WARNI
 -WATER,
 APPROV

DERGROUND SERVICE ALERT
 Dial 811
 Call USA
 For Underground Locating
 2 Working Days Before You Dig

82 CF: X5648843
 CF: 1-2 1/2' x 4' x 3' 6" PKWY
 IN: 2- 1/2 2-WAY SPLICES
 1- ELBOW W/ CANDLE

Sheet 8/10
 DWG 995026

25 X
 MEMO
 SEE RUN 28
 SHEETS

MATCH LINE STA. 60+00
 SEE SHEET 5

RUN:
 RISE: 30'
 TOTAL:

26 115 X
 4820 292E
 X8843 TO 0292E
 IN: 1- 2- 1/2 1/2 JCN (PISTON 16LV)

24 IN: 4820292E
 45' CL 4
 IN: 1- 10' DOUBLE VB XARM
 2- #2 DE INSUL (16LV)
 2- 1/2 POTHEADS
 1- 5" TO 4" RISER
 2- KADDAS DE COVERS
 2- FUSE CUTOUTS
 2- 1SE 3MU-20 FUSES
 54'- 2- #2CTW
 1- 1 1/4" ANCHOR (LEAD=15')
 1- 3/8" DOWN GUY (ATTACHMENT
 HEIGHT 37')

STORM DRAIN SHOWN PER
 CITY OF MANHATTAN BEACH
 DRAWING NO. SD-267 SHEET
 2 & 5 OF 6

CITY OF MANHATTAN BEACH
 CITY OF HERMOSA

61+38.41 C/L ARDMORE AVE.
 = 50+00.00 C/L BOUNDARY PL.

EX: 869258E POLE

222011-539338
 314
 APN: 4169-026-016

13 X
 218 119'
 SPLIT 'Y' TO H384A
 IN: 215' 2-4/0 1-1/0

318
 APN: 4169-026-017
 NO ACCESS

222012-373965
 807
 APN: 4169-026-013

EX: 922113E POLE

EX. CIC (5)
 2113E TO HH

811
 APN: 4169-026-011

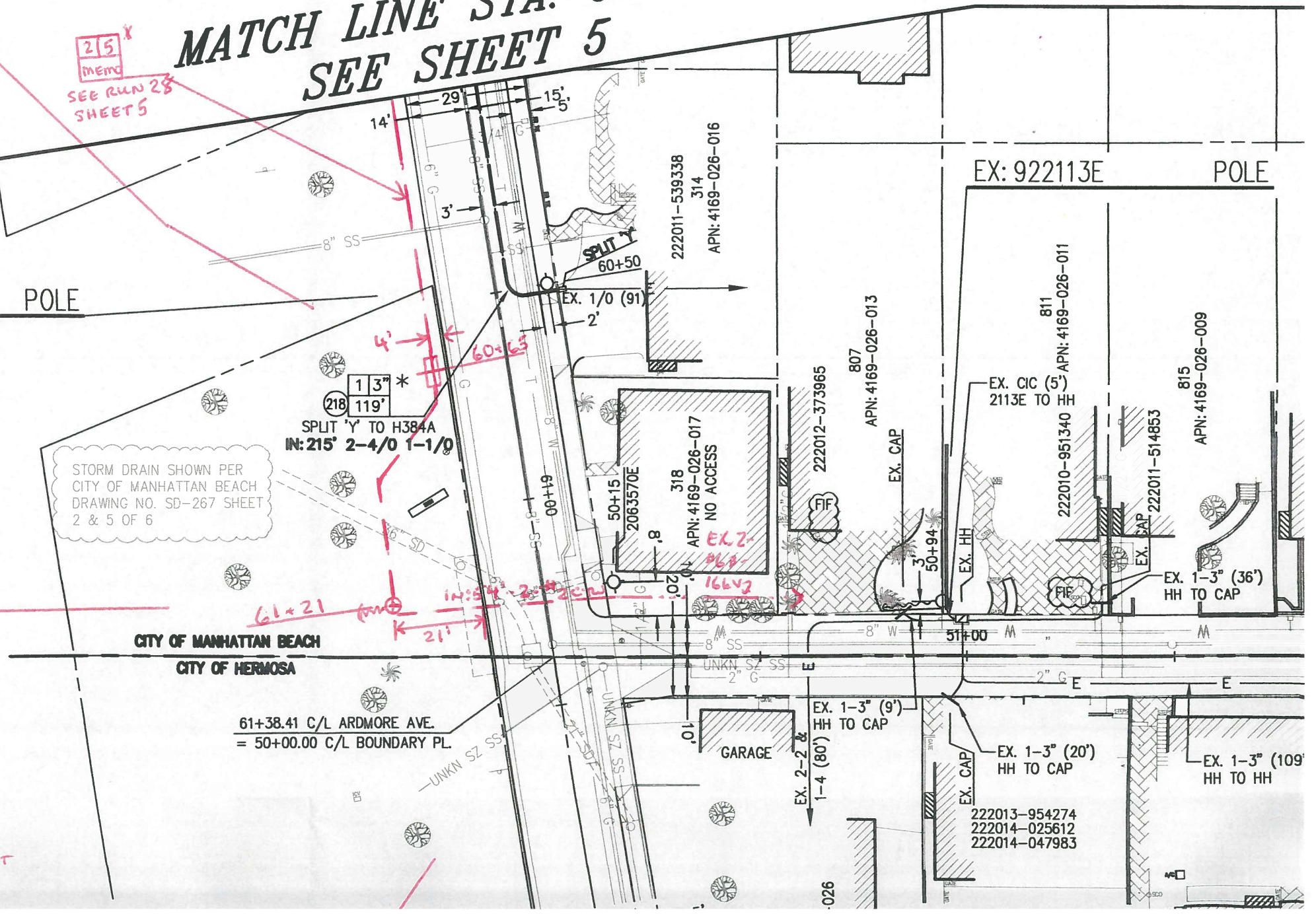
815
 APN: 4169-026-009

EX. 1-3" (36")
 HH TO CAP

EX. 2-2" &
 1-4 (80')
 HH TO CAP

EX. 1-3" (20')
 HH TO CAP
 222013-954274
 222014-025612
 222014-047983

EX. 1-3" (109')
 HH TO HH



Sheet 8/10
Dwg 995026

MATCH LINE
SEE SHEET 5

25 X
MEMO
SEE RUN 25
SHEET 5

RUN:
RISE: 30'
TOTAL:



26 X 115 *
X8843 TO 0292E
IN: 1-2-1/2-1/2 JCN (PISTON 16KV)

24 IN: 4820292E
45' CL 4

- 2-SURGE ARRESTORS →
- IN: 1-10' DOUBLE VB XARM
 - 2-#2 DE INSUL (16KV)
 - 2-1/2 POTHEADS
 - 1-5" TO 4" RISER
 - 2-KADDAS DE COVERS
 - 2-FUSE CUTOUTS
 - 2-1SE SMW-20 FUSES
 - 54'-2-#2CTW
 - 1-1 1/4" ANCHOR (LEAD=15')
 - 1-3/8" DOWN GUY (ATTACHMENT HEIGHT 37')

81 EX. 2063570E
45' CL 1 →

- Rm: 1-10' SINGLE VB XARM
- 1-10' SINGLE ALLEY ARM
- 4-16KV PINS
- 2-16KV DE INS.
- IN: 1-10' DOUBLE VB XARM
- 4-16KV DE INS.
- 2-16KV PINS
- 4-KADDAS DE COVERS

STORM DRAIN SHOWN PER
CITY OF MANHATTAN BEACH
DRAWING NO. SD-267 SHEET
2 & 5 OF 6

SPLIT 'Y' TO H384A
IN: 215' 2-4/0 1-1/0

61+38.41 C/L ARDMORE AVE.
= 50+00.00 C/L BOUNDARY PL.

S. ARDMORE AVE.

EX: 869258E POLE

CITY OF MANHATTAN BEACH
CITY OF HERMOSA

222011-539338
314
APN: 4169-026-016

2063570E
318
APN: 4169-026-017
NO ACCESS

222012-373965
807
APN: 4169-026-013

EX: 922113E POLE

EX. CIC (5')
2113E TO HH
811
APN: 4169-026-011

EX. CAP
222011-514853
815
APN: 4169-026-009

222010-951343

EX. 1-3" (36")
HH TO CAP

EX. 1-3" (9')
HH TO CAP
EX. 2-2" (80')
1-4

EX. 1-3" (20")
HH TO CAP
222013-954274
222014-025612
222014-047983

EX. 1-3" (109")
HH TO HH

601
APN: 4169-027-026
NO ACCESS
APPROXIMATE
LOCATION

605
APN: 4169-027-025

609
APN: 4169-027-024
222013-854425
222013-807131

GARAGE

UNKN SZ SS

UNKN SZ SS

UNKN SZ SS

UNKN SZ SS

UNKN SZ SS

UNKN SZ SS

UNKN SZ SS

14'

29'

15'

3'

8" SS

60+50

EX. 1/0 (91)

1 3/4"

218

119'

4'

60x63

61x21

IN: 54' 2-#2

2-#2

21'

UNKN SZ SS

UNKN SZ SS

UNKN SZ SS

UNKN SZ SS

UNKN SZ SS

UNKN SZ SS

UNKN SZ SS

UNKN SZ SS

UNKN SZ SS

UNKN SZ SS

UNKN SZ SS

UNKN SZ SS

UNKN SZ SS

UNKN SZ SS

UNKN SZ SS

UNKN SZ SS

UNKN SZ SS

UNKN SZ SS

UNKN SZ SS

UNKN SZ SS

UNKN SZ SS

UNKN SZ SS

UNKN SZ SS

UNKN SZ SS

UNKN SZ SS

UNKN SZ SS

UNKN SZ SS

UNKN SZ SS

UNKN SZ SS

UNKN SZ SS

UNKN SZ SS

UNKN SZ SS

UNKN SZ SS

UNKN SZ SS

UNKN SZ SS

UNKN SZ SS

UNKN SZ SS

UNKN SZ SS

UNKN SZ SS

UNKN SZ SS

UNKN SZ SS

UNKN SZ SS

UNKN SZ SS

UNKN SZ SS

UNKN SZ SS

UNKN SZ SS

UNKN SZ SS

UNKN SZ SS

UNKN SZ SS

UNKN SZ SS

UNKN SZ SS

UNKN SZ SS

UNKN SZ SS

UNKN SZ SS

UNKN SZ SS

UNKN SZ SS

UNKN SZ SS

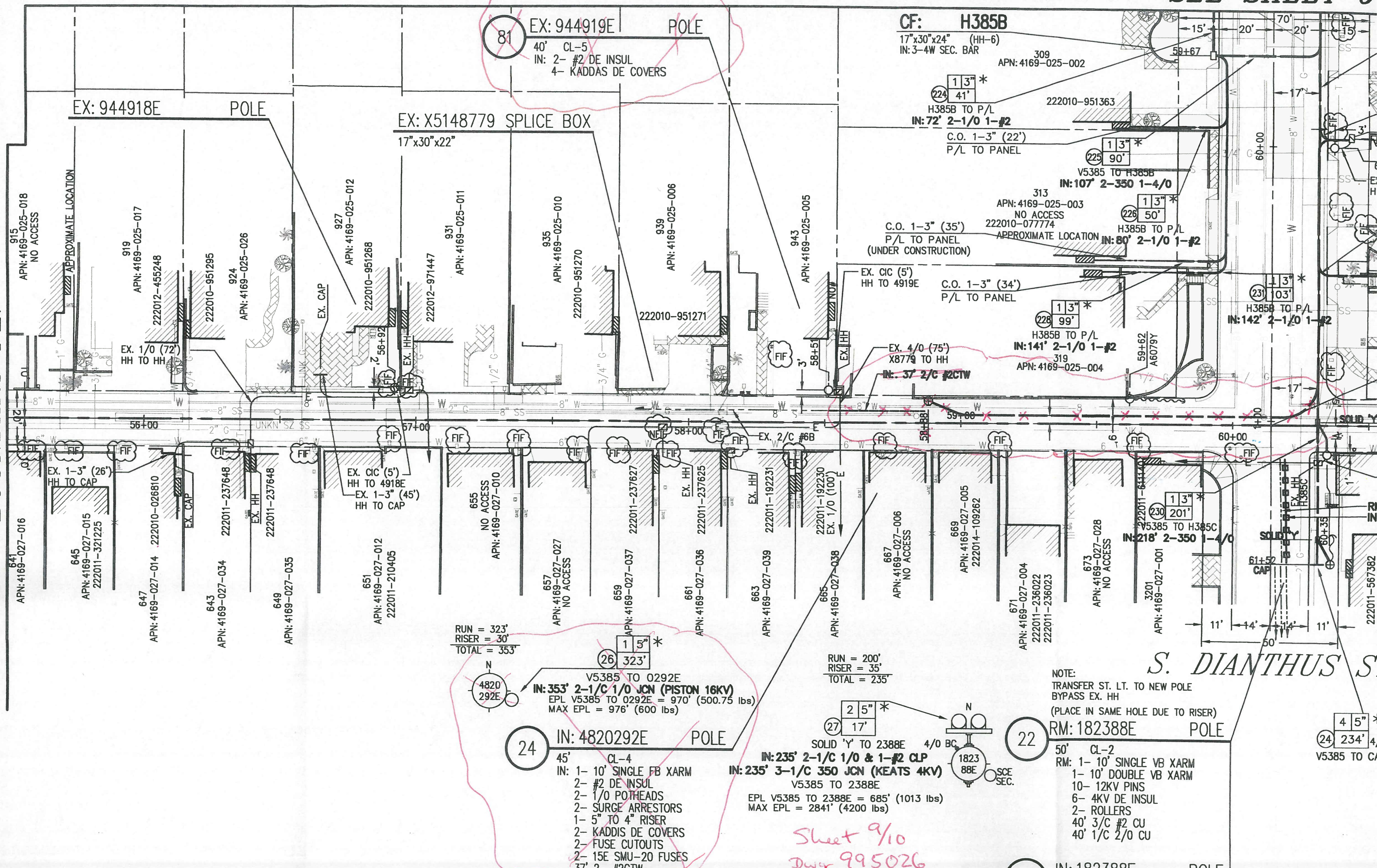
UNKN SZ SS

UNKN SZ SS

UNKN SZ SS

UNKN SZ SS

DUNHAM I.L.



81 EX: 944919E POLE
40' CL-5
IN: 2- #2 DE INSUL
4- KADDAS DE COVERS

CF: H385B
17"x30"x24" (HH-6)
IN: 3-4W SEC. BAR
APN: 4169-025-002

EX: X5148779 SPLICE BOX
17"x30"x22"

224 1 3/4" *
41'
H385B TO P/L
IN: 72' 2-1/0 1-#2
C.O. 1-3" (22')
P/L TO PANEL
225 90'
V5385 TO H385B
IN: 107' 2-350 1-4/0
313
APN: 4169-025-003
NO ACCESS
222010-077774
APPROXIMATE LOCATION
H385B TO P/L
IN: 80' 2-1/0 1-#2
C.O. 1-3" (35')
P/L TO PANEL
(UNDER CONSTRUCTION)
EX. CIC (5')
HH TO 4919E
C.O. 1-3" (34')
P/L TO PANEL
228 99'
H385B TO P/L
IN: 141' 2-1/0 1-#2
319
APN: 4169-025-004
EX. 4/0 (75')
X8779 TO HH
IN: 37' 2/C #2CTW
231 103'
H385B TO P/L
IN: 142' 2-1/0 1-#2

915
APN: 4169-025-018
NO ACCESS

919
APN: 4169-025-017

924
APN: 4169-025-026

927
APN: 4169-025-012

931
APN: 4169-025-011

935
APN: 4169-025-010

939
APN: 4169-025-006

943
APN: 4169-025-005

641
APN: 4169-027-016

645
APN: 4169-027-015
222011-321225

647
APN: 4169-027-014
222010-026810

643
APN: 4169-027-034

649
APN: 4169-027-035

651
APN: 4169-027-012
222011-210405

655
NO ACCESS
APN: 4169-027-010

657
NO ACCESS
APN: 4169-027-027

659
APN: 4169-027-037

661
APN: 4169-027-036

663
APN: 4169-027-039

665
APN: 4169-027-038

667
NO ACCESS
APN: 4169-027-006

669
APN: 4169-027-005
222014-109262

671
APN: 4169-027-004
222011-236022
222011-236023

673
NO ACCESS
APN: 4169-027-028

3201
APN: 4169-027-001

RUN = 323'
RISER = 30'
TOTAL = 353'

26 1 5/8" *
323'
V5385 TO 0292E
IN: 353' 2-1/C 1/0 JCN (PISTON 16KV)
EPL V5385 TO 0292E = 970' (500.75 lbs)
MAX EPL = 976' (600 lbs)

24 IN: 4820292E POLE
45' CL-4
IN: 1- 10' SINGLE FB XARM
2- #2 DE INSUL
2- 1/0 POTHEADS
2- SURGE ARRESTORS
1- 5" TO 4" RISER
2- KADDIS DE COVERS
2- FUSE CUTOUTS
2- 15E SMU-20 FUSES
37' 2- 1/0 CTW

RUN = 200'
RISER = 35'
TOTAL = 235'

27 2 5/8" *
17'
SOLID 'Y' TO 2388E 4/0 BC
IN: 235' 2-1/C 1/0 & 1-#2 CLP
IN: 235' 3-1/C 350 JCN (KEATS 4KV)
V5385 TO 2388E
EPL V5385 TO 2388E = 685' (1013 lbs)
MAX EPL = 2841' (4200 lbs)

NOTE:
TRANSFER ST. LT. TO NEW POLE
BYPASS EX. HH
(PLACE IN SAME HOLE DUE TO RISER)
RM: 182388E POLE
50' CL-2
RM: 1- 10' SINGLE VB XARM
1- 10' DOUBLE VB XARM
10- 12KV PINS
6- 4KV DE INSUL
2- ROLLERS
40' 3/C #2 CU
40' 1/C 2/0 CU

Sheet 9/10
Dwg 995026

S. DIANTHUS S.

24 4 5" *
234' 4'
V5385 TO CA