

**CASITAS MUNICIPAL  
WATER DISTRICT**

Specifications

**DISTRICT OFFICE LIGHTING REPLACEMENT**

**SPECIFICATION NO. 17-396**

*Bids will be received at the office of the  
Casitas Municipal Water District,  
1055 Ventura Avenue, Oak View, California 93022  
Until 4:00 p.m.  
on Tuesday, November 14, 2017*

**TABLE OF CONTENTS  
DISTRICT OFFICE LIGHTING REPLACEMENT  
SPEC. 17-396**

**PART A - CONTRACT DOCUMENTS**

	<u>Page</u>
*Notice Inviting Bids .....	A-1
*Instructions to Bidders .....	A-3
*Proposal.....	A-7
*Bidding Sheet.....	A-9
*Bidder's Plan for Construction .....	A-10
*Bidder's Statement of Subcontractors .....	A-11
*Bidder's Bond.....	A-12
Agreement.....	A-14
Bond for Faithful Performance .....	A-16
Payment Bond.....	A-18
Summary of Insurance, Bond & Payment Requirements.....	A-19
Certificate of Insurance .....	A-20
Progress Payment Form .....	A-21
*Certification of Nonsegregated Facilities.....	A-22
*Bidder's Questionnaire .....	A-23
NonCollusion Declaration .....	A-30
Notice to Proceed.....	A-31

**\*ITEMS TO BE RETURNED TO CMWD--SEE CHECKLIST**

**SPECIFICATIONS**

**PART B - GENERAL CONDITIONS**

Contract

Section .....	
1. Definitions .....	B-1
2. Contract Documents .....	B-1
3. Precedence of Contract Documents .....	B-2
4. Indemnification of District.....	B-2
5. Insurance.....	B-3
6. Bonds .....	B-5
7. Additional Surety.....	B-6
8. Assignment Forbidden.....	B-6
9. Time and Order of Work .....	B-6
10. Protests.....	B-7

The Engineer

11. Authority of the Engineer ..... B-7  
12. Right of Way and Encroachment ..... B-7  
13. Errors or Discrepancies Noted by Contractor ..... B-7  
14. Extra Work..... B-8  
15. Changed Conditions..... B-10

The Contractor or District

16. Disputed Work..... B-10  
17. Legal Action by Contractor..... B-11  
18. Changes..... B-11

The District

19. Discovery of an Unknown Utility ..... B-11  
20. Termination of Contract ..... B-12  
21. Suspension of Contract ..... B-13  
22. Extension of Time of Completion ..... B-14  
23. Failure to Complete on Time ..... B-14  
24. Liquidated Damages ..... B-14

The Contractor

25. Contractor's Responsibility ..... B-15  
26. Shop Drawings..... B-16  
27. Trench Shoring Plans..... B-16  
28. Safety Permit..... B-17  
29. Personal Attention ..... B-17  
30. Laws, Regulations, Permits and Licenses ..... B-17  
31. Sales and/or Use Taxes ..... B-18  
32. Construction Schedule ..... B-18

The Work

33. Inspection..... B-18  
34. Construction Staking ..... B-19  
35. Construction Interferences ..... B-19  
36. Materials, Workmanship and Tests ..... B-20  
37. Certification of Materials and Equipment ..... B-20  
38. Defective Work or Materials ..... B-21  
39. Use of "Or Approved Equal" ..... B-21

40. Property Rights in Materials .....	B-22
41. Title to Materials Found on the Work .....	B-22
42. Patents and Copyrights .....	B-22
43. Responsibility for Safe Storage .....	B-22
44. Completion .....	B-22
45. Final Cleanup.....	B-22

**Personnel and Public Relations**

46. Responsibility for a Safe Place to Work.....	B-23
47. Public Convenience and Safety .....	B-23
48. Safety, Sanitary and Medical Requirements .....	B-24
49. Character of Workers.....	B-24
50. Subcontracts.....	B-24
51. Access to the Site and Haul Routes .....	B-25
52. Irregular Hours.....	B-25
53. Eight-hour Law .....	B-26
54. Payment of Wages .....	B-26
55. Prevailing Rate of Per Diem Wages .....	B-26
56. Unpaid Claims .....	B-26
57. Monthly Cost Estimates - Progress and Final Progress Payment .....	B-27
58. Final Cost Statement.....	B-28
59. Disputed Final Payment.....	B-28
60. Acceptance.....	B-29
61. Final Payment .....	B-29
62. Final Payment Terminates Liability.....	B-29
63. Releases .....	B-29
64. Disputes Settled by Arbitration.....	B-29

**PART C - SPECIAL CONDITIONS**

Section .....	
1. Requirement.....	C-1
2. General Description .....	C-1
3. General Sequence of Pre-Construction.....	C-1
4. Beginning and Completion of the Work.....	C-2
5. Access to the Site and Haul Routes .....	C-2
6. Contract Drawings .....	C-2
7. Permits .....	C-3
8. Explosives and Blasting.....	C-3
9. Water & Power .....	C-3
10. Construction Surveys .....	C-3
11. Safety .....	C-3
12. Nonresidency at Job Site.....	C-4
13. Coordination of Work.....	C-4

14. Utility Shutdowns .....	C-4
15. Shop Drawing Submittals .....	C-4
16. Materials .....	C+5

**PART D – MEASUREMENT AND PAYMENT**

Section .....	
1. General .....	D-1
2. Bid Item Prices Required .....	D-1
3. Measurement & Payment .....	D-1
4. Bid Items .....	D-1
5. Stand Alone .....	D-2

**CASITAS MUNICIPAL WATER DISTRICT**

**NOTICE INVITING BIDS**

**DISTRICT OFFICE LIGHTING REPLACEMENT  
SPECIFICATION NO. 17-396**

Sealed bids will be received by the Casitas Municipal Water District up to **4:00 p.m. on Tuesday, November 14, 2017** at the office of the District, 1055 Ventura Avenue, Oak View, California 93022, at which time they will be opened and publicly read aloud, for the District Office Lighting Replacement Project, Specification No. 17-396. Each bid shall be made out on a form to be obtained from Casitas Municipal Water District. Each bid must be accompanied by a certified check, a cashier's check, or by a bid bond executed by a corporate surety satisfactory to the Casitas Municipal Water District, in the sum of not less than ten (10) percent of the total amount of the bid, as a guarantee that the bidder will enter into the proposed contract, if it be awarded to them. The guarantee will be forfeited, should the bidder to whom the contract is awarded fail to enter into the contract.

The bidder to whom the contract is awarded may be required to furnish a sworn statement of their financial responsibility, technical ability, and experience.

**In accordance with the provisions of Section 1770-1784 of the California Labor Code, the Casitas Municipal Water District has ascertained the general prevailing rate of wages applicable to the work to be done.** It shall be mandatory upon the Contractor to whom the contract is awarded, and upon the subcontractor under them, to pay not less than the specified rates to all laborers and mechanics employed by them in the execution of the contract. The wage scale can be obtained on the internet at [www.dir.ca.gov/dlsr/statistics\\_research.html](http://www.dir.ca.gov/dlsr/statistics_research.html).

**All bidders and their subcontractors shall be registered with the California Department of Industrial Relations (DIR). Failure of the bidder or subcontractors to be registered with the DIR shall render their bid as non-responsive and will be rejected except where State code provides for exceptions to the registration requirements. All contractors and their subcontractors shall furnish electronic certified payroll records directly to the Labor Commissioner, also known as Division of Labor Standards Enforcement.**

The Casitas Municipal Water District shall have the right to retain all bids for a period of thirty (30) days, for examination and comparison, and reserves the right to reject any and all bids.

The contract documents shall consist of this Notice Inviting Bids, the Instructions to Bidders, Formal Proposal with Bidding Sheet and Bidder's Plan for Construction, Form of Agreement, Specifications and Drawings, and any changes which may be ordered by issuance of a supplemental notice.

No pre-bid conference is scheduled for this project. Bidders must contact Neil Cole at (805) 649-2251 x107 to schedule site visits. Complete bid package (plans and specifications) may be examined and **downloaded free of charge** from our website at: <http://www.casitaswater.org/lower.php?url=bidding-jobs>. Copies may be ordered from Casitas for fifty one (\$51.00) dollars, or mailed to you for sixty six

(\$66.00) dollars. Please allow three (3) working days to print a complete bid package plus mailing time.  
No refunds will be made.

## **INSTRUCTIONS TO BIDDERS**

Proposal. The proposal shall be submitted on the separate bid forms accompanying these specifications, designated "Proposal" and made a part of these specifications. The proposal shall be enclosed in a sealed envelope addressed to Casitas Municipal Water District, 1055 Ventura Avenue, Oak View, California, 93022, and shall be endorsed with the name of the project as set forth in the Notice Inviting Bids.

The sealed proposals will be publicly opened and read at the time and place stated in the Notice Inviting Bids. Bidders, or their authorized agents, are invited to be present.

The proposal shall give the price, both in words and in figures, for which the bidder proposes to do the work required by the Specifications and the accompanying Drawings. In the event of disagreement between words and figures, the words will govern and the figures will be disregarded. In the event that the unit price and the total amount named by any bidder for any item are not in agreement, the unit price shall govern and the totals shall be corrected to conform thereto. The bidder shall fill out all blanks of the proposal forms as therein required.

Unauthorized conditions, limitations, or provisions attached to a proposal will render it informal, and may cause its rejection. The completed proposal forms shall be without interlineations, alterations, or erasures. Alternate proposals will not be considered unless asked for. No oral or telephonic proposals or modifications will be considered.

The District reserves the right to waive any informalities which, in the opinion of the Board of Directors, do not materially affect the relationship of the various proposals. The District reserves the right to reject any and all bids for any reason at the sole discretion of the District, with or without cause.

The proposal may be withdrawn upon request by the bidder without prejudice to the Bidder prior to, but not after, the time fixed for opening of bids, provided that the request is in writing, has been executed by the bidder or their duly authorized representative, and is filed with Casitas Municipal Water District.

Proposal Signature. If the proposal is made by an individual, it shall be signed and their full name and address shall be given; if it is made by a partnership, it shall be signed with the partnership name by a member of the firm, who shall sign their own name, and the name and address of each member shall be given; and if it is made by a corporation, the name of the corporation shall be signed by its duly authorized officer or officers, attested by the corporate seal, and the names and titles of all officers of the corporation shall be given.

Competency of Bidders. In selecting the bidder for award of the contract consideration will be given not only to the total amount of the bid, but also to the general competency of the bidder for the performance of the work covered by the proposal. To this end, the District will require bidders to submit a statement of their technical ability, experience and safety record. The District reserves the right to require a statement of the lowest bidder's current financial condition prior to acceptance of the proposal. Such statement shall be prepared on Bidder's Questionnaire forms furnished by the District, shown on pages A-23 through A-29.



Bidders' Plan for Construction. As part of the proposal, bidders must furnish a detailed statement of the plan or layout for performing the work. As preparation for the foregoing, each Bidder shall examine carefully the site of the proposed work and the contract documents therefore. It will be assumed that the bidder has investigated, and is satisfied as to, the conditions to be encountered; the characters, quality, and quantities of work to be performed; the quality and quantities of the materials to be furnished, and the requirements of the contract, specifications, and drawings.

Subcontracts. Subcontracts will be permitted, subject to the following provisions. No subcontract will be permitted which has the effect of avoiding the residence or wage requirements, or any other provision of the main contract. Individual subcontractors, or members of the contracting or subcontracting organizations personally engaged upon the work, shall be subject to all the requirements of these specifications applicable to employees working for wages, including but not limited to wages, hours of work, character of workmen and certified payrolls.

Reference is hereby made to the provisions of Chapter 2 of Division 5 of Title 1 of the Government Code of the State of California, commencing with Section 4100, also known as the "Subletting and Subcontracting Fair Practices Act", which is incorporated herein and made a part hereof by reference, and the Contractor is bound thereby and shall be made subject to the consequences named in sections 4110 and 4111 of said Act, in the event of his violation thereof. Each bidder shall, in their bid or offer, set forth: (1) the name and the location of the place of business of each subcontractor who will perform work or labor or render service to the Contractor in or about the construction of the work or improvement, in an amount in excess of one-half of one percent of the Contractor's total bid, or a subcontractor licensed by the State of California who, under subcontract to the prime Contractor, specifically fabricates and installs a portion of the work or improvement according to detailed drawings contained in the plans and specifications, in an amount in excess of one-half of one percent of the Prime Contractor's total bid; and (2) the portion of the work which will be done by each such subcontractor under said Act. The Contractor shall list only one subcontract for each such portion as defined by the Contractor in their bid. If the Contractor fails to specify a subcontractor, or if the Contractor specifies more than one subcontractor for the same portion of the work to be performed under this contract in excess of one-half of one percent of the Contractor's total bid, the Contractor agrees that Contractor is fully qualified to perform that portion, and that Contractor shall perform that portion.

Subcontractors. Bidders must furnish as a part of the proposal, a complete listing of names and addresses of all subcontractors who will perform work in an amount in excess of one-half (2) of one percent (1%) of the total bid price, and a statement of the work which will be done by each subcontractor. The required statement shall be on the form of Bidder's Statement of Subcontractors, accompanying these specifications.

Prevailing Rate at Per Diem Wages. In accordance with the provisions of Section 1770-1784 of the California Labor Code, the District has ascertained the general prevailing rates of wages applicable to the work to be done. It shall be mandatory upon the Contractor to whom the contract is awarded, and upon any subcontractor under contractor, to pay not less than the specified rates to all laborers, surveyors and mechanics employed by Contractor in the execution of the contract. The wage can be viewed on the internet at [www.dir.ca.gov/dlsr/statistics\\_research.html](http://www.dir.ca.gov/dlsr/statistics_research.html). **Final payment for services provided shall not be distributed until receipt of proof of prevailing wage payments.**

**The Contractor and all subcontractors shall be subject to Executive Order 12549, “Debarment and Suspension” and Department of Commerce regulations published at 15 CFR Part 26, Subparts A through E, “Governmentwide Debarment and Suspension (Nonprocurement)” for a drugfree work place.**

Disqualification of Bidders. More than one proposal from an individual, partnership, corporation, or association under the same or different names will not be considered. Reasonable grounds for believing that any bidder is interested in more than one proposal for the work contemplated will cause the rejection of all proposals in which said Bidder is interested. If there is reason for believing that collusion exists among Bidders, all bids will be rejected, and none of the participants in such collusion will be considered in future proposals.

Return of Proposal Guarantee. Proposal guarantees will be held until the contract has been executed. They will be returned to the respective Bidders whose proposals they accompany.

Insurance and Bonds. The Bidder to whom award is made shall promptly secure Workmen's Compensation Insurance, in accordance with the provisions of the California Labor Code and all amendments thereto, and also shall furnish to the District certificate of insurance showing that the Bidder has taken out the insurance of the kinds and in the amounts required under the specifications. The successful Bidder shall also promptly secure, with a reasonable corporate surety or corporate sureties, satisfactory bonds conditioned upon faithful performance by the said Bidder of all requirements under the Contract and upon the payment of claims of materialmen and laborers thereunder. Refer to Summary of Insurance, Bond and Payment Requirements for Various Construction Contracts attached.

Permits. The Contractor, at their sole expense, shall be required to obtain all other permits and/or licenses as required and referenced thereto in Sections 11, 22, 23 and 25 of the General Conditions.

Licensing of Contractors. All Contractors submitting bids shall be licensed in accordance with the provisions of Chapter 9, Division 3, of the Business and Professions Code of the State of California. Effective January 1, 1990, Contractors submitting bids must state, under penalty of perjury, the Contractor's license number and expiration date. Any bid not containing this information shall be considered non-responsive and shall be rejected by Casitas (Business & Professions Code 7028.15). District has determined that the required license for this project is **C-10 Electrical Contractor**.

Supplemental Notices. Full consideration shall be given to all Supplemental Notices in the preparation of Bids, as Supplemental Notices form a part of the Contract Documents. Bidders shall verify the number of Supplemental Notices in the bid. Failure to so acknowledge may cause the Bid to be rejected.

Award of Contract. The award of the contract, if it is awarded, will be to the lowest responsible bidder or bidders whose proposal complies with all requirements presented herein. Casitas maintains the right to reject any and all bids for any reason and to waive minor irregularities.

Execution of Contract. The Bidder to whom award is made shall execute a written contract with the Casitas Municipal Water District in the form of agreement provided, and shall furnish certificate of Workmen's Compensation Insurance and good and approved bonds as required in the preceding paragraphs, within fifteen (15) days from the date of the mailing of a notice from the Casitas Municipal

Water District to the Bidder, to the address given by Bidder, of the acceptance of his proposal. At this time the Bidder shall also provide District with a completed IRS W-9 Form (Request for Taxpayer Identification Number and Certification.)

Failure or refusal to enter into a contract as herein provided, or to conform to any of the stipulated requirements in connection therewith, shall be just cause for the annulment of the award and the forfeiture of the proposal guarantee. If the successful Bidder refuses or fails to execute the contract, the Casitas Municipal Water District may award the contract to the second lowest responsible Bidder.

Notice to Proceed shall be issued by the District within fifteen (15) days of the receipt of the bonds, insurance and agreements documents satisfactory to the District and the execution of the Agreement by the District. Should there be reasons why the Notice to Proceed cannot be issued within such period, the time may be extended by mutual agreement between the District and the Bidder. If the Notice to Proceed has not been issued within the period stated herein, the Bidder may terminate the Agreement without further liability on the part of either party.

## **PROPOSAL**

### **DISTRICT OFFICE LIGHTING REPLACEMENT SPECIFICATION NO. 17-396**

TO: Casitas Municipal Water District  
1055 Ventura Avenue, Oak View, California 93022

The undersigned proposes to furnish all materials and labor, and provide all necessary tools and machinery for the project and to perform and complete all the work in the manner set forth, described, and shown in the specifications or on the drawings for the work and in the form of agreement.

The bidder agrees that, upon receipt of written notice of the acceptance of this proposal within thirty (30) days after the opening of the bids, they will execute the contract in accordance with the proposal as accepted and furnish the required bonds and will secure the required insurance, all within fifteen (15) days from the date of mailing of said notice of acceptance to them at their address as given below; and that, upon failure to do so within said time, then the proposal guarantee accompanying this proposal shall become the property of the Casitas Municipal Water District as liquidated damages for such failure, and shall be deposited as monies belonging to the Casitas Municipal Water District. If said bidder shall execute the contract, furnish the required bonds, and secure the required insurance, the proposal guarantee check or bond shall be returned to them within five (5) days thereafter.

The bidder declares that they have read the Notice Inviting Bids and the Instructions to Bidders, and agrees to all the stipulations contained therein; that they have examined the site of the work, the form of agreement, the specifications and the drawings therein referred to; that they propose and agree, in the event their bid as submitted in the attached Bidding Sheet be accepted, to enter into a contract to perform all the work mentioned in the agreement and the specifications, and to complete the same within the time stipulated therein; and that they will accept in full payment therefor the amount named in said Bidding Sheet.

Proposal (Continued)

The bidder further declares that the surety or sureties named in the space provided below have agreed to furnish bonds in the form and amounts set forth in the Instructions to Bidders, in the event the contract is awarded on the basis of this proposal.

Dated: \_\_\_\_\_

(Corporate Seal)

Corporation organized under  
the laws of the State of

\_\_\_\_\_  
\_\_\_\_\_  
Surety or Sureties agreeing to furnish bond:  
furnish bond:

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

\_\_\_\_\_  
Bidder

\_\_\_\_\_  
Telephone No.

By: \_\_\_\_\_

\_\_\_\_\_  
Title

Bidder's post office address:

\_\_\_\_\_  
Contractor's License No.

Names and addresses of all members of the  
members of the partnership, or names and titles of  
officers of the corporation.l

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**BIDDING SHEET**

**DISTRICT OFFICE LIGHTING REPLACEMENT  
SPECIFICATION NO. 17-396**

Schedule of prices for all work, materials and site cleanup for the District Office Lighting Replacement No.17-396 in accordance with these specifications. Any item not specifically mentioned shall be considered incidental to the item to which it pertains. The bidder shall list prices for all bid items. Bids received which do not list prices in succession shall be rejected.

<b>Bid Item #</b>	<b>Quantity &amp; Unit</b>	<b>Description &amp; Price in Words</b>	<b>Unit Cost</b>	<b>Amount \$</b>
1	4200 SF	Paint all 12" by 12" ceiling tiles on the first floor for the unit price of _____ Dollars Per Square Foot	_____/SF	
2	LS	Replace light fixtures and controls for the lump sum price of _____ Dollars	LS	
<b>TOTAL BID AMOUNT (Item 1-2)</b>				<b>\$</b>

<b>ALTERNATE BID ITEM</b>				
<b>Bid Item #</b>	<b>Quantity &amp; Unit</b>	<b>Description &amp; Price in Words</b>		<b>Amount \$</b>
1A	4200 SF	Replace 12" by 12" glued on ceiling tiles with new 24" by 24" glued on ceiling tiles for the lump sum price of _____ Dollars	_____/SF	

The above quantities are based on a lump sum or unit cost price; measurement and payment for each bid item per Part D of specifications. The award of contract will be based on either Items 1 and 2 or Items 2 and 1A, at the District's sole discretion. Bidder will not be released on account of errors. When a discrepancy occurs between the written price and the number listed, the written price shall govern. The Bidder understands that the District reserves the right to reject any or all bids, and to waive any formalities in the bidding.

Date: \_\_\_\_\_

**BIDDER:** \_\_\_\_\_

By: \_\_\_\_\_

Title: \_\_\_\_\_

License No: \_\_\_\_\_ Expires: \_\_\_\_\_

**(CORPORATE SEAL)**

License Classifications: \_\_\_\_\_

Tel. No: \_\_\_\_\_ Cell No: \_\_\_\_\_

Fax No: \_\_\_\_\_ Email: \_\_\_\_\_

Address: \_\_\_\_\_

DIR No. \_\_\_\_\_



## BIDDER'S STATEMENT OF SUBCONTRACTORS

The bidder is required to state the name and address of each subcontractor who will perform work in an amount in excess of one-half (2) of one percent (1%) of the total bid price and the portion of the work which each subcontractor will do.

The undersigned submits herewith a list of subcontractors whom they propose to employ on the work, with the proper firm name and business address of each and a statement of the work or bid item which will be done by each subcontractor.

Subcontractor		Portion of Work
Location and Place of Business		DIR No.
License No.	Expiration Date:    /    /	Phone (    )

Subcontractor		Portion of Work
Location and Place of Business		DIR No.
License No.	Expiration Date:    /    /	Phone (    )

Subcontractor		Portion of Work
Location and Place of Business		DIR No.
License No.	Expiration Date:    /    /	Phone (    )

Subcontractor		Portion of Work
Location and Place of Business		DIR No.
License No.	Expiration Date:    /    /	Phone (    )

Subcontractor		Portion of Work
Location and Place of Business		DIR No.
License No.	Expiration Date:    /    /	Phone (    )

Signed:



**BIDDER'S BOND**

KNOW ALL MEN BY THESE PRESENTS,

That we \_\_\_\_\_

\_\_\_\_\_  
\_\_\_\_\_, as PRINCIPAL,

and

\_\_\_\_\_  
\_\_\_\_\_, as SURETY,

are held and firmly bound unto the Casitas Municipal Water District, hereinafter called the District, in the penal sum of TEN PERCENT (10%) OF THE TOTAL AMOUNT OF THE BID of the Principal above named, submitted by said Principal to the Casitas Municipal Water District, for the work described below, for the payment of which sum in lawful money of the United States, well and truly to be made, we bind ourselves, our heirs, executors, administrators and successors, jointly and severally, firmly by these presents.

In no case shall the liability of the surety hereunder exceed the sum of

\$ \_\_\_\_\_

THE CONDITIONS OF THIS OBLIGATION ARE SUCH,

That whereas the Principal has submitted the above-mentioned bid to the Casitas Municipal Water District, for certain construction specifically described as

which bids are to be opened at the office of Casitas Municipal Water District  
on \_\_\_\_\_

NOW, THEREFORE, if the aforesaid Principal is awarded the contract and, within the time and manner required under the heading Instructions to Bidders, after the prescribed forms are presented to him for signature, enters into a written contract, in the form set forth in said specifications, in accordance with the bid, and files the two bonds with the District, one to guarantee faithful performance and the other to guarantee payment for labor and materials, as required by Instructions to Bidders and Certificate of Insurance for Workmen's Compensation and Contractor's liability insurance, then this obligation shall be null and void; otherwise, it shall be and remain in full force and virtue.

Bidder's Bond (Continued)

In the event suit is brought upon this bond by the Obligee and judgement is recovered, the surety shall pay all costs incurred by the Obligee in such suit, including a reasonable attorney's fee to be fixed by the court.

IN WITNESS WHEREOF, we have hereunto set our hands and seals this \_\_\_\_\_ day of \_\_\_\_\_, 2017.

\_\_\_\_\_  
Principal

By \_\_\_\_\_

(SEAL)

NOTE: Signatures of those executing for the surety must be properly acknowledged.

## AGREEMENT

THIS AGREEMENT, made and entered into this \_\_\_\_\_ day of \_\_\_\_\_ in the year \_\_\_\_\_ by and between the Casitas Municipal Water District, hereinafter designated as the District, and \_\_\_\_\_ hereinafter designated as the Contractor.

WITNESSETH: That the parties hereto do mutually agree as follows with respect to the project known as **District Office Lighting Replacement Specification 17-396**.

ARTICLE I. For and in consideration of the payment of \_\_\_\_\_ Dollars (\$ \_\_\_\_\_) in conformance with the specifications hereinafter mentioned, the Contractor agrees with the District to construct the aforementioned project and to perform and complete in a good and workmanlike manner all the work pertaining thereto shown on the Drawings and described in the Specifications therefor, to furnish at its own cost and expense all tools, equipment, labor, and materials necessary therefor, except such materials as in the said specifications are stipulated to be furnished by the District, and to do everything required by this Agreement and the said Specifications and Drawings.

ARTICLE II. For the same consideration set forth in Article I above, Contractor agrees to furnish all said materials and labor, furnishing and removing all plants, temporary work or structures, tools and equipment, and doing all the work contemplated and embraced in this Agreement, also to be responsible at its own expense for all loss and damage arising out of the nature of the work aforesaid, or from the action of the elements, or from any unforeseen difficulties which may arise or be encountered in the prosecution of the work until its acceptance by the District, and for all risks of every description connected with the works, and also for all expenses incurred by or in consequence of the suspension or discontinuance of works, except such as in the said Specifications are expressly stipulated to be borne by the District, and for well and faithfully completing the work and the whole thereof, in the manner shown and described in the said Drawings and Specifications and in accordance with the requirements of the Engineer under them, the District will pay and the Contractor shall receive in full compensation thereof the prices for the several items named in the Bidding Sheet of the Proposal.

ARTICLE III. The District hereby promises and agrees with the said Contractor to employ, and does hereby employ the said Contractor to provide the materials and to do the work according to the terms and conditions herein contained and referred to for the price aforesaid, and hereby contracts to pay the same at the time, in the manner and upon the conditions set forth in the Specifications; and the said parties for themselves, their heirs, executors, administrators, successors and assignees do hereby agree to the full performance of the covenants herein contained.

Agreement (Continued)

ARTICLE IV. The Notice Inviting Bids, the Instructions to Bidders, the Proposal, the Specifications and the Drawings mentioned therein, and all addenda issued by the District with respect to the foregoing prior to the opening of bids, are hereby incorporated in and made part of this Agreement.

IN WITNESS WHEREOF: the parties hereto have caused this contract to be executed the day and year first above written.

CASITAS MUNICIPAL WATER DISTRICT

By: \_\_\_\_\_  
President

ATTEST:

\_\_\_\_\_  
Secretary

Approved as to form:

\_\_\_\_\_  
Attorney

Dated: \_\_\_\_\_, 2017

CONTRACTOR

By: \_\_\_\_\_  
Title

**BOND FOR FAITHFUL PERFORMANCE**

KNOW ALL MEN BY THESE PRESENTS,

That we \_\_\_\_\_

\_\_\_\_\_ hereinafter referred to as Contractor, as principal, and \_\_\_\_\_

\_\_\_\_\_, as surety,

are held and firmly bound unto the Casitas Municipal Water District, OAK VIEW, California, in

the sum of \_\_\_\_\_

\_\_\_\_\_ Dollars (\$ \_\_\_\_\_)

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

The condition of the foregoing obligation is such that:

WHEREAS, said Contractor has been awarded and is about to enter into a contract with the Casitas Municipal Water District, for construction of the project known as **District Office Lighting Replacement Specification 17-396** and is required by said District to give this bond in connection with the execution of the contract.

NOW, THEREFORE, if the said Contractor shall well and truly do and perform all the covenants and obligations of said contract on his part to be done and performed at the times and in the manner specified herein, then this obligation shall be null and void; otherwise, it shall be and remain in full force and effect;

PROVIDED, that any alterations in the work to be done, or the material to be furnished, which may be made pursuant to the terms of said contract shall not in any way release the Contractor or the surety thereunder, nor shall any extensions of time granted under the provisions of said contract release either the Contractor or the surety, and notice of such alterations or extensions of the contract is hereby waived by the surety.

WITNESS our hands this \_\_\_\_\_ day of \_\_\_\_\_, 2017.

CONTRACTOR

By: \_\_\_\_\_

SURETY

By: \_\_\_\_\_

Approved as to form and execution:

\_\_\_\_\_  
Attorney

**PAYMENT BOND**

KNOW ALL MEN BY THESE PRESENTS,

That we \_\_\_\_\_ as principal, and \_\_\_\_\_, as surety, are held and firmly bound unto the Casitas Municipal Water District, Oak View, California, in the sum of \_\_\_\_\_ Dollars (\$ \_\_\_\_\_) lawful money of the United States, for the payment of which sum, well and truly to be made, we bind ourselves, jointly and severally, firmly by these presents.

The condition of the above obligation is such that:

Whereas, said principal has been awarded and is about to enter into a contract with the Casitas Municipal Water District, for construction of the project known as **District Office Lighting Replacement Specification 17-396** and is required by said District to give this bond in connection with the execution of the contract.

NOW, THEREFORE, if said principal as Contractor in said contract, or subcontractors, fails to pay for any materials, provisions, provender or other supplies, or teams, used in, upon, for or about the performance of the work contracted to be done, or for any work or labor thereon of any kind, or for amounts due under the Unemployment Insurance Act with respect to such work or labor, said surety will pay for the same, in an amount not exceeding the sum specified above, and also, in case suit is brought upon this bond, a reasonable attorney's fee, to be fixed by the court. This bond shall insure to the benefit of any and all persons entitled to file claims under Section 11929 of the Code of Civil Procedure of the State of California.

PROVIDED, that any alterations in the work to be done, or the material to be furnished, which may be made pursuant to the terms of said contract shall not in any way release either the Contractor or the surety thereunder, nor shall any extensions of time granted under the provisions of said contract release either the Contractor or the surety, and notice of such alterations or extensions of the contract is hereby waived by the surety.

WITNESS our hands this \_\_\_\_\_ day of \_\_\_\_\_, 2017.

CONTRACTOR

By: \_\_\_\_\_

SURETY

By: \_\_\_\_\_

Approved as to form and execution:

\_\_\_\_\_  
Attorney

**CASITAS MUNICIPAL WATER DISTRICT  
SUMMARY OF INSURANCE, BOND & PAYMENT REQUIREMENTS  
FOR VARIOUS CONSTRUCTION CONTRACTS**

	<b>Informal</b> Under \$35,000	<b>Formal</b> \$35,000 & Over
<u>Certificates of Insurance</u> (CG 2010 Endorsement required))		
1. Workmen's Compensation	Yes	Yes
2. Commercial, General & Auto Liability	Yes	Yes
a. For one person per accident	\$1,000,000	\$1,000,000
b. More than one person per accident	\$1,000,000	\$1,000,000
3. Property damage per accident	\$1,000,000	\$1,000,000
4. Thirty days written notice prior to cancellation	Yes	Yes
<u>Bonds</u>		
Bidder's Bonds	None	10%
Payment Bonds (Material and Labor)* (Projects bid by CMWD only)	None	100%
Performance Bonds* (Projects bid by CMWD only)	None	100%
Maintenance and Guarantee Provisions	Yes	Yes
<u>Contracts</u>		
Period for Final payment upon acceptance	15 Days	35 Days
Amount of Retention	0, or stated in specs Per specs	5%
Progress Payment (if required, retain 5%)**	None	Per specs
Final Cost Statement	None	Yes
Notice of Completion	Yes	Yes
Labor and Material Releases		Yes

\* At the option of the District and depending upon the type of construction activity, payment bonds and/or performance bonds may be placed as a requirement on the job.

\*\* If progress payments are required for a Purchase Order Contract, provisions therefor must be added.

**NOTE:**

The above listed are the minimum requirements for all construction contracts. Provisions are included within the Terms and Conditions for Purchase Order Contracts which will be issued for all jobs under \$35,000 and provisions should be included within the Specifications for all contracts which are \$35,000 and over. **The U.S. Bureau of Reclamation, Casitas Municipal Water District, their directors, officers, employees or authorized volunteers shall be named as additional insured as respects to all coverages listed above when the named insured is Lessee or Licensee of the Casitas Municipal Water District or when work is performed by the named insured for the Casitas Municipal Water District, and in both instances this coverage shall be primary.** Casitas, in addition to Certificates of Insurance, shall be provided with the ISO CG 2510 Endorsement or insurer's equivalent.

In accordance with the provisions of Section 1770 of the California Labor Code, the District has ascertained the general prevailing rates of wages applicable to the work to be done. It shall be mandatory upon the Contractor to whom the contract is awarded, and upon any subcontractor under him, to pay not less than the specified rates to all laborers and mechanics employed by him in the execution of the contract. The wage scale can be obtained from the California Labor Relations Board website at: <http://www.dir.ca.gov/dlsr/DPreWageDetermination.htm>.

REV: 07/13



**NOTICE TO CONTRACTORS, AGENTS AND INSURANCE COMPANIES,  
PLEASE COMPLETE AND RETURN THIS FORM TO**

## **CASITAS** Municipal Water District

### **CERTIFICATE OF INSURANCE**

(This certificate is to be used to list such coverages as the policies listed therein provide, and does not reflect our insurance requirements.)

**TO:** Casitas Municipal Water District  
P. O. Box 37  
Oak View, California 93022

**Name and Address of Insured:**

TYPE OF POLICY	COMPANY AND POLICY NO.	POLICY PERIOD	LIMITS OF LIABILITY	
			Bodily Injury	Property Damage
1.—Workmen's Compensation Employers Liability		Eff. Exp.	Statutory	Nil
2.		Eff. Exp.		
3.—Comprehensive Liability (A) Automobile		Eff. Exp.	Each Person \$ Each Occurrence \$	Each Occurrence \$
(B) General*		Eff. Exp.	Each person \$ Each Occurrence \$ Aggregate \$	Each Occurrence \$ Aggregate \$
4.—Comprehensive Liability Auto and General*		Eff. Exp.	Combine Single Limit: Each Occurrence \$ Aggregate \$	
5.		Eff. Exp.		
6.		Eff. Exp.		
7.—Umbrella Liability		Eff. Exp.	Each Occurrence and Aggregate \$ (A) Excess of Items: (B) Total Limit Including Items:	

\*COVERAGE includes Contractual Liability, Completed Operations, Protective Liability, Product's - Liability, and Explosion, Collapse and Underground Hazards.

**REMARKS:** The U.S. Bureau of Reclamation, Casitas Municipal Water District, their directors, officers, employees or authorized volunteers shall be named as additional insured as respects to all coverages listed above when the named insured is Tiesee or Licensee of the Casitas Municipal Water District or when work is performed by the named insured for the Casitas Municipal Water District, and in both instances this coverage shall be primary.

These policies shall not be canceled nor reduced in coverage until after 30 days written notice of such cancelation or reduction in coverage shall have been mailed to this certificate holder.

Name and Address of Agent:

Dated \_\_\_\_\_

By \_\_\_\_\_

CASITAS MUNICIPAL WATER DISTRICT		Payment Document No. _____		Progress ( ) Final ( )		OFFICE USE ONLY - Contractor Visable/Visible over	
PROJECT: _____							
CONTRACTOR: _____							
Reviewed By: _____							
Approved for Payment: _____							
Date: _____							
Spec. No.		Project No.		General Item		Date	
Item No.	Description	Unit	Quantity	Per Bid Schedule Unit Price	Amount	Quantity	Amount
1					\$0.00		\$0.00
2					\$0.00		\$0.00
3					\$0.00		\$0.00
TOTAL					\$0.00		\$0.00

<p>Actual to Date: \$0.00</p> <p>Less 10% Retained: \$0.00</p> <p>Total Allowed to Date: \$0.00</p> <p>Less Previous Payment: \$0.00</p> <p>Less Deductions: \$0.00</p> <p>Net Amount Due this Payment: \$0.00</p>	<p>I certify the above bill is correct &amp; just, due payments therefor has not been received, that all statutory requirements as to American Production and Labor Standards and that all conditions of purchase applicable to the transactions have been complied with.</p> <p>CONTRACTOR:</p> <p>By: _____</p> <p>Date: _____</p>
--	--

PREV. PAYMENT RECORD	
PP No.	Amount

## CERTIFICATION OF NONSEGREGATED FACILITIES

(Applicable to federally assisted construction contracts and related subcontracts exceeding \$10,000 which are not exempt from the Equal Opportunity Clause).

The federally assisted construction contractor certifies that the contractor does not maintain or provide for contractor's employees any segregated facilities at any of the contractor's establishments, and that contractor does not permit contractor's employees to perform their services at any location, under contractor's control, where segregated facilities are maintained. The federally assisted construction Contractor certifies further that contractor will not maintain or provide for contractor's employees any segregated facilities at any of the contractor's establishments, and that contractor will not permit contractor's employees to perform their services at any location, under contractor's control, where segregated facilities are maintained. The federally assisted construction Contractor agrees that a breach of this certification is a violation of the Equal Opportunity clause in this contract. As used in this certification, the term "segregated facilities" means any waiting rooms, work areas, restrooms and washrooms, restaurants and other eating areas, time clocks, locker rooms and other storage or dressing areas, parking lots, drinking fountains, recreation or entertainment areas, transportation, and housing facilities provided for employees which are segregated by explicit directive or are in fact segregated on the basis of race, color, religion or national origin, because of habit, local custom or otherwise. The federally assisted construction Contractor agrees that (except where contractor has obtained identical certifications from proposed subcontractors for specific time periods) contractor will obtain identical certifications from proposed subcontractors prior to the award of subcontracts exceeding \$10,000 which are not exempt from the provisions of the Equal Opportunity clause, and that contractor will retain such certifications in contractor's files.

**NOTE:** The penalty for making false statements in offers is prescribed in 18 U.S.C. 1001.

\_\_\_\_\_  
Contractor

\_\_\_\_\_  
Signature

\_\_\_\_\_  
Title

Date: \_\_\_\_\_

## **BIDDER'S QUESTIONNAIRE**

### **INSTRUCTIONS**

Pending award of a contract to the lowest bidder, Casitas may require bidders to submit a statement of their current financial condition, technical ability and experience (reference is made to the paragraph on Page A-2 of the Instructions to Bidders entitled "Competency of Bidders").

Each bidder shall be required to complete the attached Bidder's Questionnaire Parts I, II & III. Part IV may be required of the lowest bidder to assist in determining whether they are a responsive and responsible bidder

**PART I - BIDDER'S STATEMENT OF TECHNICAL ABILITY AND EXPERIENCE**

A. History of Bidder

1. Total years organization doing business. \_\_\_\_\_

2. Has your organization done business under another name? Yes \_\_\_\_\_ No \_\_\_\_\_

If yes, state name and address of organization(s) and/or names and addresses of owners or principals.

_____	_____
_____	_____
_____	_____
_____	_____

3. List all principals, owners, partners and stockholders owning more than 10 percent of a corporation.

Name

Name

_____	_____
_____	_____
_____	_____
_____	_____

4. State the name of your organization's Responsible Managing Employee or Officer.

<b>Name</b>	<b>State Contractor's License No.</b>	<b>Classification</b>

Bidder's Questionnaire (Continued)

5. List all jobs for which you were either sued by the owner or you sued the owner within the past ten (10) years. Give name of suit, court and number and disposition thereof.

Name of Suit	Court and Number	Disposition

6. List all jobs for which you asked extra compensation of more than 25 percent of the original contract price.

Name of Owner	Address	Result

Bidder's Questionnaire (Continued)

B. Experience

List all of the jobs in which your organization has been involved during the last five years where the predominant type of construction is similar to this job.

1. Project Completion Date<sup>(1)</sup> \_\_\_\_\_

Value of Contract<sup>(2)</sup> \_\_\_\_\_

General Description of Work<sup>(3)</sup> \_\_\_\_\_

Name and Address of Owner \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

Party to Contact \_\_\_\_\_

Phone Number \_\_\_\_\_

State whether organization was prime, joint venture, sub or other:

\_\_\_\_\_

2. Project Completion Date \_\_\_\_\_

Value of Contract \_\_\_\_\_

General Description of Work \_\_\_\_\_

Name and Address of Owner \_\_\_\_\_

\_\_\_\_\_

Party to Contact \_\_\_\_\_

Phone Number \_\_\_\_\_

State whether organization was prime, joint venture, sub or other:

\_\_\_\_\_

- (1) Project Completion Date - If current, state current; if incomplete, state incomplete.
- (2) Value of Contract is the total amount of money paid for your work, including all settlements or judgements.
- (3) General Description of Work should indicate the predominant type of construction; i.e., water pipeline, paving, earthwork, sewer, pump plant, etc.

Bidder's Questionnaire (Continued)

3. Date of Project \_\_\_\_\_  
Value of Contract \_\_\_\_\_  
General Description of Work \_\_\_\_\_  
Name and Address of Owner \_\_\_\_\_

\_\_\_\_\_  
Party to Contact \_\_\_\_\_ Phone Number \_\_\_\_\_  
State whether organization was prime, joint venture, sub or other:

4. Date of Project \_\_\_\_\_  
Value of Contract \_\_\_\_\_  
General Description of Work \_\_\_\_\_  
Name and Address of Owner \_\_\_\_\_

\_\_\_\_\_  
Party to Contact \_\_\_\_\_ Phone Number \_\_\_\_\_  
State whether organization was prime, joint venture, sub or other:

5. Date of Project \_\_\_\_\_  
Value of Contract \_\_\_\_\_  
General Description of Work \_\_\_\_\_  
Name and Address of Owner \_\_\_\_\_

\_\_\_\_\_  
Party to Contact \_\_\_\_\_ Phone Number \_\_\_\_\_  
State whether organization was prime, joint venture, sub or other:



**PART II - CONTRACTOR'S STATE LICENSE**

1. List all Contractor's State Licenses issued to your organization or to any of your principals.

Name of License Holder	Position in Organization	License No.	Classification	Date of Expiration

2. Has your organization or any of the license holders in your organization been refused the issuance of a State Contractor's License or been disciplined by the State Contractor's Board? Yes ( ) No ( ). If yes, please explain. \_\_\_\_\_

**PART III – CONTRACTOR’S SAFETY RECORD**

1. List your firm’s experience modification rate (EMR) for the last 3 years. The EMR is available from your Worker’s Compensation Insurance firm. This is only required from Firms with Worker’s Compensation Insurance premiums in excess of \$50,000.

_____	_____	_____	_____	_____	_____
Year	EMR	Year	EMR	Year	EMR

2. List your firm’s Recordable Incident Rate (RIR) for the last 3 years. Incident Rate information is available from your OSHA 200/300 Log and from your insurance carrier.

$$\frac{\text{Total number of recordable incidents} \times 200,000}{\text{Total employee hours worked}} = \text{RIR}$$

_____	_____	_____	_____	_____	_____
Year	RIR	Year	RIR	Year	RIR

3. List your firm’s Lost Time Incident Rate (LTIR) for the last 3 years. Incident Rate information is available on your OSHA 200/300 Log and from your insurance carrier.

$$\frac{\text{Total number of lost time incidents} \times 200,000}{\text{Total employee hours worked}} = \text{LTIR}$$

_____	_____	_____	_____	_____	_____
Year	LTIR	Year	LTIR	Year	LTIR

Bidder's Questionnaire (Continued)

Casitas has established the following minimum requirements for this project:

EMR – None greater than 1.2 over the last 3 years

RIR - None greater than 9 over the last 3 years

LTIR – None greater than 4 .5 over the last 3 years

4. Do you have a written safety program that includes hazardous communications? \_\_\_\_\_

5. Do you have a substance abuse policy? \_\_\_\_\_

6. Do all new employees complete safety orientation before performing any work activities? \_\_\_\_\_

7. Do you conduct jobsite safety inspections? \_\_\_\_\_

8. Do you conduct and document post accident investigations? \_\_\_\_\_

**PART IV – FINANCIAL CONDITION (This portion only needs to be completed if requested by Casitas after the bid opening)**

1. Submit your firm’s most recent audited financial statement or financial data or other information and references sufficiently comprehensive to permit an appraisal of your current financial condition.

2. Submit your firm’s most recent balance sheet and profit and loss statement.

I certify under penalty of perjury that the foregoing is true and correct.

Name of Organization \_\_\_\_\_

By: \_\_\_\_\_

Title: \_\_\_\_\_

Date: \_\_\_\_\_

**NONCOLLUSION DECLARATION**  
**(MUST BE SUBMITTED WITH BID)**

The undersigned declares:

I am the \_\_\_\_\_ of \_\_\_\_\_,  
(Title) (Company)

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)

---

**CASITAS MUNICIPAL WATER DISTRICT**

**NOTICE TO PROCEED**

To: \_\_\_\_\_ Date: \_\_\_\_\_

Project: \_\_\_\_\_

In accordance with Section \_\_\_\_\_ of the Special Conditions of the Contract Specifications, you are hereby notified to commence work on or before \_\_\_\_\_ calendar days and to complete all work within \_\_\_\_\_ consecutive calendar days after the date on this Notice to Proceed.

Your completion date is \_\_\_\_\_, 2017.

**CASITAS MUNICIPAL WATER DISTRICT**

By: \_\_\_\_\_

Title: \_\_\_\_\_

**ACCEPTANCE OF NOTICE**

Receipt of above Notice to Proceed is hereby acknowledged by

on \_\_\_\_\_, 20\_\_\_\_.

\_\_\_\_\_  
(Company)

By: \_\_\_\_\_

Title: \_\_\_\_\_

**SPECIFICATIONS**  
**Part B - General Conditions**

1. Definitions.

- (a) Whenever the words defined in this article occur in these Specifications, or in any other contract document, they shall have the meaning here defined:
- (b) The word "specifications" shall include these General Conditions, the Special Conditions and the applicable portions of the Standard Specifications. The form of these Specifications is intended to provide for all of the work performed for Casitas Municipal Water District.
- (c) The word "District" shall mean the Casitas Municipal Water District.
- (d) The word "Board" shall mean the Board of Directors of the Casitas Municipal Water District.
- (e) The words "General Manager" shall mean the person holding the position or acting in the capacity of General Manager of the Casitas Municipal Water District.
- (f) The word "Engineer" shall mean the General Manager, or his duly authorized representative.
- (g) The word "Contractor" shall mean the Contractor in the agreement for the construction of the work and/or the furnishing of materials and/or equipment herein specified, the legal representative, or the agent of said party.
- (h) The word "Subcontractor" shall mean one who, as a subcontractor, performs at the site of the work some part of the Contractor's obligation, the legal representative, or the agent therefor.
- (i) The words "Standard Specifications" shall mean the provisions of the latest edition of the Standard Specifications for Public Works Construction (SSPWC) with all supplements, prepared and promulgated by the Southern California Chapters of the American Public Works Association and Associated General Contractors of America. Part one of the SSPWC is hereby deleted.

2. Contract Documents.

- (a) The Notice Inviting Bids, Instructions to Bidders, Proposal Bonds, Specifications and Drawings, with the Agreement, supplemental notices, Notice to Proceed, permits and change orders shall be considered as incorporated in the contract. The contract documents are complementary, and what is called for in one shall be as binding as if called for by all. The intent of the contract documents is to provide for the execution and completion of a finished piece of work. The Contractor shall provide all labor and services and furnish all materials and equipment as necessary, except those items definitely stipulated in the Specifications or Drawings to be furnished by the District. Anything shown in the Drawings and not the Specifications, or in the Specifications and not the Drawings, shall be performed by the Contractor as though shown in both the Drawings and the Specifications.
- (b) The Drawings and the Specifications show conditions as they exist, to the best knowledge and belief of the District. The Contractor shall not be relieved of any liability or responsibility under this

contract, and the district or any of its officers shall not be liable for any loss sustained by the Contractor because of any variation between conditions as shown on the Drawings and the actual conditions revealed during the progress of the work, except as provided in Section 4215 of the Government Code.

3. Precedence of Contract Documents.

(a) Should conflicts occur between Contract Documents, the document highest in precedence shall control. The precedence shall be:

- (1) Permits from other agencies as may be required by law.
- (2) Proposal.
- (3) Special Conditions and Measurement and Payment.
- (4) Technical Conditions.
- (5) General Conditions
- (6) Contract Drawings.
- (7) Standard Plans.
- (8) Standard Specifications.
- (9) Reference Specifications.

(b) Change orders, supplemental agreements and approved revisions to plans and specifications will take precedence over documents listed above. Detailed plans shall have precedence over general plans.

4. Indemnification of District. Contractor shall indemnify and hold harmless and defend the United States Bureau of Reclamation, the District, their directors, employees, agents or volunteers, and each of them from and against:

(a) Any and all claims, demands, causes of action, damages, costs, expenses, losses or liabilities, in law or in equity, of every kind and nature whatsoever for, but not limited to, injury to or death of any person including District and/or Contractor, or any directors, officers, employees, agents or volunteers of District or Contractor, and damages to or destruction of property of any person, including but not limited to, District and/or Contractor and their directors, officers, employees, agents or volunteers, arising out of or in any manner directly or indirectly connected with the work to be performed under this agreement, however caused, regardless of any negligence of District or its directors, officers, employees, agents or volunteers, except the sole negligence or willful misconduct or active negligence of District or its directors, officers, employees, agents or volunteers.

(b) Any and all actions, proceedings, damages, costs expenses, penalties or liabilities, in law or equity, of every kind or nature whatsoever, arising out of resulting from, or on account of the violation of any governmental law or regulation, compliance with which is the responsibility of Contractor.

Contractor shall defend, at Contractor's own cost, expense and risk, any and all such aforesaid suits, actions or other legal proceedings of every kind that may be brought or instituted against District or District's directors, officers, employees, agents or volunteers.

Contractor shall pay and satisfy any judgment, award or decree that may be rendered against District or its directors, officers, employees, agents or volunteers, in any such suit, action or other legal proceeding.

Contractor shall reimburse District and its directors, officers, employees, agents and/or volunteers, for any and all legal expenses and costs incurred by each of them in connection therewith or in enforcing the indemnity herein provided.

Contractor agrees to carry insurance for this purpose as set out in the specifications.

5. Insurance.

(A) Contractor shall provide and maintain the following commercial general liability and automobile liability insurance:

(1) Coverage for commercial general liability and automobile liability insurance shall be at least as broad as the following:

- a. Insurance Services Office Commercial General Liability coverage (Occurrence Form CG 0001).
- b. Insurance Services Office Form Number CA 0001 (ed. 1/87) covering Automobile Liability, Code 1 (any auto).

(2) The Contractor shall maintain limits no less than the following:

- a. General Liability. One million dollars (\$1,000,000) per occurrence for bodily injury, personal injury and property damage. If Commercial General Liability Insurance or other form with a general aggregate limit is used, either the general aggregate limit shall apply separately to the project/location (with the ISO CG 2501 or insurers equivalent endorsement provided to the district) or the general aggregate limit shall be twice the required occurrence limit.
- b. Automobile Liability. One million dollars (\$1,000,000 per accident for bodily injury and property damage combine single limit.

(3) The general liability and automobile liability policies are to contain, or be endorsed to contain the following provisions:

- a. The United States Bureau of Reclamation, Casitas Municipal Water District, their directors, officers, employees, agents and volunteers are to be covered as insureds as respects: liability arising out of activities performed by or on behalf of the Contractors, products and completed operations of the Contractor; premises owned, occupied or used by the Contractor; or automobiles owned, leased, hired or borrowed by the Contractor. The coverage shall contain no special limitations on the scope of protection afforded to the United States Bureau of Reclamation, Casitas Municipal Water District, its directors, officers, employees, agents and volunteers.
- b. For any claims related to this project, the Contractor's insurance shall be primary insurance as respects the United States Bureau of Reclamation, Casitas Municipal Water District, their directors, officers, employees, agents and volunteers. Any insurance or self-insurance maintained by the United States Bureau of Reclamation,

Casitas Municipal Water District, their directors, officers, employees, agents and volunteers shall be excess of the Contractor's insurance and shall not contribute with it.

- c. Any failure to comply with reporting or other provisions of the policies including breaches of warranties shall not affect coverage provided to the United States Bureau of Reclamation, Casitas Municipal Water District, their directors, officers, employees, agents and volunteers.
- d. The Contractor's insurance shall apply separately to each insured against whom claim is made or suit is brought, except with respect to the limits of the insurer's liability.
- e. Each insurance policy required by this clause shall be endorsed to state that coverage shall not be suspended, voided, canceled by either party, reduced in coverage or in limits except after thirty (30) days prior to written notice by certified mail, return receipt requested, has been given to Casitas Municipal Water District.
- f. Such liability insurance shall indemnify the Contractor and his subcontractors against loss from liability imposed by law upon, or assumed under contract by, the Contractor or his subcontractors for damages on account of such bodily injury (including death), property damage, personal injury and completed operations and products liability. Such insurance shall be provided on a policy written by underwriters through an agency satisfactory to the District (see Section 4-08.05), which includes a cross-liability clause, and covers bodily injury and property damage liability, owned and non-owned vehicles and equipment, blanket contractual liability and completed operations liability. Such liability insurance shall include explosion, collapse, underground excavation and removal of lateral support. The United States Bureau of Reclamation, Casitas Municipal Water District, their directors, officers, employees agents and volunteers shall be named as additional primary insured on any such policies. An additional insured endorsement (ISO CG 2010 or equivalent) (modified to include provisions 2-5 above) and a certificate of insurance (Accord Form 25-S or equivalent), shall be provided to the District.

(4) Any deductible or self-insured retention must be declared to and approved by the District. At the option of the District, either the insurer shall reduce or eliminate such deductibles or self-insured retentions as respects the United States Bureau of Reclamation, Casitas Municipal Water District, their directors, officers, employees, agents and volunteers; or the Contractor shall procure a bond guaranteeing payment of losses and related investigations, claim administration and defense expenses.

(5) Insurance is to be placed with insurers having a current A.M. Best's rating of no less than A:VII or equivalent.

(6) The Contractor shall not commence work under this contract, nor allow any subcontractor to commence work on this subcontract, until he has secured all insurance required under the section and has filed with the District, certificates of insurance in the amounts specified. Such certificates shall contain a provision that they may not be called without at least thirty (30) days' written notice to the District.



**(B) Worker's Compensation Insurance.**

(1) By his signature hereunder, Contractor certifies that he is aware of the provisions of Section 3700 of the Labor Code which require every employer to be insured against liability for worker's compensation or to undertake self-insurance in accordance with the provisions of that code, and he will comply with such provisions before commencing the performance of the work of this contract.

(2) The Contractor shall maintain, and shall cause all subcontractors he may employ to maintain adequate workers compensation insurance under the laws of the State of California for all labor employed by them, directly or indirectly, in the execution of the work. The Contractor and all subcontractors shall file with the District certification of such workers compensation insurance prior to beginning construction.

**(C) Evidences and Cancellation of Insurance.**

(1) Prior to execution of the contract, the Contractor shall file with the District evidence of insurance from an insurer or insurers certifying to the coverage of all insurance required herein. Such evidence shall include the ISO CG 2010 (or insurer's equivalent) signed by the insurer's representative and certificate of insurance (Accord Form 25-S or equivalent). All evidence of insurance shall be certified by a properly authorized officer, agent or qualified representative of the insurer and shall certify the names of the insured, any additional primary insurers, where appropriate, the type and amount of the insurance, the location and operations to which the insurance applies, the expiration date, and that the insurer will give by certified mail, written notice to the District at least thirty (30) days prior to the effective date of any cancellation, lapse or material change in the policy.

(2) The Contractor shall, upon demand of the District, deliver to the District all such policy or policies of insurance and the receipts for payment or premiums thereon; and should the Contractor neglect to obtain and maintain in force any such insurance or deliver such policy or policies and receipts to the District, then it shall be lawful for the District to obtain and maintain such insurance, and the Contractor hereby appoints the District his true and lawful attorney-in-fact to do all things necessary for this purpose. All money paid by the District for insurance premiums under the provisions of this article shall be charged to the Contractor.

**6. Bonds.**

(a) Payment Bond. The successful bidder shall file with the District a surety bond to be approved by the District in a sum of not less than one hundred percent (100%) of the total amount payable by the terms of the contract, conditional as provided by Section 3247 of the Civil Code.

(b) Performance Bond.

(1) The successful bidder shall also file with the District a surety bond, to be approved by the District in a sum of not less than one hundred percent (100%) of the total amount payable by the terms and conditions of the Contract. Pursuant to Public Contract Code Section 22300, at the request and expense of the Contractor, securities equivalent to the amounts withheld by the District to ensure performance under this contract, shall be deposited with the District. The District shall pay such monies to the Contractor upon satisfactory completion of the contract. Securities eligible for investment under this section shall include those listed in Government Code Section

16430, or bank or savings and loan certificates of deposit. The Contractor shall be the beneficial owner of any securities substituted for monies withheld and shall receive any interest thereon. If the securities to be deposited by the Contractor pursuant to this provision are in registered form, the registration shall be transferred to the District.

- (2) Maintenance and Guarantee. The Contractor hereby guarantees that the entire work constructed by him under the Contract will meet fully all requirements thereof as to quality of workmanship and of materials furnished by him. The Contractor hereby agrees to make, at his own expense, any repairs or replacement made necessary by defects in material or workmanship supplied by him that becomes evident within one year after the date of final payment, and to restore to full compliance with the requirements of these Specifications, any part of the work which, during said one year period, is found to be deficient with respect to any provision of the Specifications. The Contractor shall make all repairs and replacement promptly upon receipt of written orders from the Engineer to do so. If the Contractor fails to make the repairs and replacements promptly, the District may do the work and the Contractor and his Surety shall be liable to the District for the cost thereof.

(c) Each of said bonds shall be executed by the Contractor and a corporate surety licensed in the State of California. If the amount payable under terms of the Contract exceeds the original bid because of additional quantities and/or the issuance or change orders, said surety shall be required to cover the additional amount.

7. Additional Surety. If, during the continuance of the Contract, any of the sureties upon the faithful performance bond, in the opinion of the Engineer, are or become insufficient, he may require additional sufficient sureties, which the Contractor shall furnish to the satisfaction of the Engineer within 15 days after notice, and in default thereof, the contract may be suspended and the work completed as provided in Section 21 hereof.

8. Assignment Forbidden. The Contractor shall not assign, transfer, convey or otherwise dispose of this Contract, nor of his right, title or interest in any part thereof, nor any of the monies to become due and payable under the Contract, in any manner without the previous consent in writing of the Engineer. If the Contractor shall, without such written consent, assign, transfer, convey or otherwise dispose of any part of this Contract, or of any of the monies to become due and payable under the Contract, the District may, at its option, terminate the Contract according to Section 21 of these General Conditions. The District shall thereupon be relieved from all liability to the Contractor, and to his assignee or transferee.

9. Time and Order of Work. The Contractor shall at all times employ such personnel, and provide such services, materials and equipment as will be sufficient, in the opinion of the Engineer, to complete the work or any separable portions thereof according to a progress schedule, and within the time limit fixed by the Contract. If the Contractor should fail to maintain adequate progress, he may be required to employ additional personnel, and provide additional services, materials and equipment, and to modify his plans and procedure in such manner as to ensure completion of the work within the time limit fixed by the Contract. This provision shall not be the exclusive remedy of the District.

10. Protests. If the Contractor considers any of the work demanded of him to be outside the requirements of the Contract, or if he considers any order or ruling of the Engineer or any duly authorized representative to be unfair, he shall immediately ask for written instructions or divisions, whereupon he shall proceed without delay to perform the work or conform to the order or ruling; but unless the Contractor finds such instructions or divisions satisfactory, he shall, within ten (10) days after receipt of same, file a written protest with the Engineer, stating clearly and in detail his objections and the reasons therefor. Except for such grounds for protest or objections as are made of record in the manner specified and within the time stated herein, the Contractor hereby waives all grounds for protests or objections to the order, rulings, instructions, or decisions of the Engineer, and hereby agrees that as to all matters not included in such protest, the order, instructions and decisions of the Engineer shall be final and conclusive.

11. Authority of the Engineer. The work shall be observed by the Engineer to determine that the work is being completed according to the plan, specifications and design and planning concepts. The Contractor shall be responsible for the supervision of construction processes, site condition, operation, equipment, personnel and the maintenance of a safe place to work or any safety in, on or about the work site until such time as the District files a Notice of Completion. The Engineer, however, reserves the right to determine the adequacy of the Contractor's method, plant, and appurtenance to determine in all cases the amount, quality, acceptability and fitness of the work and material to be provided under the Contract, to determine all questions in relation to said work and construction thereof, and to decide in all cases any question which may arise concerning the fulfillment of this Contract by the Contractor. Should any discrepancy appear or any misunderstanding arising as the import of anything contained in the Specifications or Drawings, the matter shall be referred to other Engineer and his decision shall be binding on the Contractor. Any differences or conflicts which may arise between the Contractor and other contractors performing work for the District shall be adjusted to the satisfaction of the Engineer.

12. Right of Way and Encroachment.

(a) Except as otherwise stated in the Special Conditions, the right of way for the work to be constructed under these Specifications will be provided by the District. This shall not be interpreted as giving the Contractor exclusive occupancy of the right of way provided. When the work to be performed is located within State Highway, County or Southern Pacific Railroad rights of way, or within a water course which is under the jurisdiction of the Ventura County Flood Control District, the Contractor will be required to obtain construction permits from those agencies in his own name.

(b) Right of way to be furnished by the District for construction operations and other purposes will be specifically shown on the Drawings or provided for in the Detailed Specifications. Should the Contractor find it necessary to use any additional lands during the construction of the work, he shall provide for the use of such lands at his own expense.

13. Errors or Discrepancies Noted by Contractor.

(a) If the Contractor, either before commencing work or during the work, finds any discrepancy between these Specifications and Drawings, or between either of them and the physical conditions at the site of the work, or finds any error or omission in any of the Drawings or in any survey, he shall promptly notify the Engineer in writing of such discrepancy, error, or omission. If the Contractor observes that any drawings or specifications are at variance with any applicable law, ordinance, regulations, order or degree, he shall promptly notify the Engineer, in writing, of such conflict.

(b) The Engineer, upon receipt of any such notice, shall promptly investigate the circumstances and give appropriate instructions to the Contractor. Until such instructions are given, any work done by the Contractor, either directly or indirectly after his discovery of such error, discrepancy or conflict, will be at his own risk and he shall bear all costs arising therefrom.

14. Extra Work.

(a) If, during the performance of the Contract, it shall, in the opinion of the Engineer, become necessary or desirable, for the proper completion of the contract, to order work done or materials or equipment furnished which, in the opinion of the Engineer, are not susceptible of classification under the bid items, the Contractor shall do and perform such work and furnish such materials and equipment as extra work, as hereinafter provided. All extra work shall be ordered in writing before it is started. No extra work shall be paid for unless ordered in writing.

(b) Extra work will ordinarily be paid for at a lump sum or unit price agreed upon in writing by the Engineer and the Contractor before the extra work shall be ordered.

(c) When the price of the extra work cannot be agreed upon, the District will pay for the extra work based on the accumulation of costs as provided in subsections (d) through (I). The failure of the Contractor to comply with the requirements of this section shall deem the Engineer to establish costs as he deems reasonable.

(d) At the close of each working day, the Contractor shall submit a daily report to the Engineer, on forms approved by the District, together with applicable delivery tickets, listing all labor, materials, and equipment involved for that day, and for other services and expenditures when authorized. An attempt shall be made to reconcile the report daily, and it shall be signed by the Engineer and the Contractor. In case of disagreement, pertinent notes shall be entered by each party to explain points which cannot be resolved immediately. Each party shall retain a signed copy of the report. Reports by subcontractors or others shall be submitted through the prime contractor. Said reports shall contain the following information:

- (1) The names of workers, classification and hours worked;
- (2) A description and the amount of materials used;
- (3) The type of equipment, size, identification number and hours of operation, including loading and transportation if available;
- (4) Other services and expenditures shall be described in such detail as the District may require.

(e) The costs of labor will be the actual cost for wages prevailing locally for each craft or type of worker at the time the extra work is done, plus employer payments of payroll taxes and insurance, health and welfare, pension, vacation, apprenticeship funds, and other direct costs resulting from Federal, State or local laws, as well as assessment or benefits required by lawful collective bargaining agreements. The use of a labor classification which would increase the extra work costs will not be permitted unless the Contractor establishes the necessity for such additional costs. Labor costs for equipment operators and helpers shall be reported only when such costs are not included in the invoice for equipment rental.

(f) The cost of materials reported shall be at invoice or lowest current price at which such materials are locally available and delivered to the job site in the entities involved, plus sales tax, freight and delivery. The District reserves the right to approve material sources of supply, or to supply materials to the Contractor if necessary for the progress of the work. No markup shall be applied to any material provided by the District.

(g) No payment will be made for the use of tools which have a replacement value of \$100 or less. Regardless of ownership, the rates to be used in determining equipment rental costs shall not exceed listed rates prevailing locally at equipment rental agencies or distributors, at the time the work is performed. If local rental costs are unavailable, the Contractor shall submit his costs to operate the equipment compiled and signed by a Certified Public Accountant. The rental rates paid shall include the cost of fuel, oil, lubrication, supplies, small tools, necessary attachments, repairs and maintenance of any kind, depreciation, storage, insurance and all incidentals. Necessary loading and transportation costs for equipment used on the extra work shall be included. If equipment is used intermittently and, when not in use, could be returned to its rental source at less expense to the District than holding it at the work site, it shall be returned, unless the Contractor elects to keep it at the work site at no expense to the District. All equipment shall be acceptable to the Engineer, in good working condition, and suitable for the purpose for which it is to be used. Manufacturer's ratings and manufacturer's approved modifications shall be used to classify equipment, and it shall be powered by a unit of at least the minimum rating recommended by the manufacturer. The reported rental time of the equipment already at the job site shall be the duration of its use on the extra work, plus the time required to move it from its previous site and back or to a closer site.

(h) The District may authorize other items which may be required on the extra work. Such items include labor, services, material, and equipment which are different in their nature from those required for the work specified in the Contract which are of a type not ordinarily available from the Contractor or any of the subcontractors. Invoices covering all such items in detail shall be submitted with the request for payment.

(i) Vendors' invoices for material, equipment rental, and other expenditures, shall be submitted with the request for payment. If the request for payment is not substantiated by invoices or other documentation, the District may establish the cost of the item involved at the lowest price which was current at the time of the report.

(j) The following percentage shall be added to the Contractor's costs and shall constitute the markup for all overhead and profits:

Labor	10%
Materials	10%
Equipment Rental	10%
Other Items and Expenditures	10%

To the sum of the costs and markups provided for in this subsection, one percent (1%) shall be added as compensation for bond and liability insurance.

(k) When all or any part of the extra work is performed by any of the Contractor's subcontractors, the markups established in Subsection (14)(j) shall be applied to the subcontractor's actual cost of such work, to which a markup of five percent (5%) on the subcontracted portion of the extra work may be added by the prime contractor.

(1) Any extra work performed hereunder shall be subject to all of the provisions of the Contract and the Contractor's sureties shall be bound with reference thereto as under the original Contract.

15. Changed Conditions.

(a) The Contractor shall notify the Engineer in writing of the following work site conditions, hereinafter called changed conditions, promptly upon their discovery and before they are disturbed:

- (1) Subsurface or latent physical conditions differing materially from those represented in the Contract; and
- (2) Unknown physical conditions of an unusual nature differing materially from those ordinarily encountered and generally recognized as inherent in the character of the work being performed.
- (3) Material that the Contractor believes may be material that is hazardous waste, as defined in Section 25117 of the Health and Safety Code, that is required to be removed to a Class I, Class II, or Class III disposal site in accordance with provisions of existing law.

(b) The Engineer will promptly investigate conditions when notified of any conditions which appear to be changed conditions. If the Engineer determines that the conditions are changed conditions and that they will materially increase or decrease the costs of any portion of the work, a change order will be issued adjusting the compensation for such portion of the work. If the Engineer determines that conditions of which he/she has been notified by the Contractor do not justify an adjustment in compensation, the Contractor will be so advised in writing. Should the Contractor disagree with such determination, he may submit a protest to the Engineer, as provided in Section 10 of these General Conditions.

(c) If the Engineer determines that the conditions are changed conditions and that they will materially affect the performance time, the Contractor, upon submitting a written request, may be granted an extension of time subject to the provisions of Section 22.

(d) The Contractor's failure to give notice of changed conditions promptly upon their discovery and before they are distributed shall constitute a waiver of all claims in connection therewith.

16. Disputed Work.

(a) If unable to reach agreement under any of the foregoing procedures, the District may direct the Contractor to proceed with the work. Payment shall be as later determined by arbitration, if District and Contractor agree thereto, or as fixed in a court of law.

(b) Although not to be construed as proceeding under extra work provisions, the Contractor shall keep and furnish records of disputed work according to Section 14.

17. Legal Action by Contractor.

(a) No legal action shall be commenced against the District concerning the Contract until any dispute or decision of the Engineer has been appealed and denied by the District's Board of Directors. The Board's refusal to consider or failure to consider a written appeal within thirty (30) calendar days after receipt shall be deemed denial of such appeal.

(b) Prior to submitting any appeal to the Board, the Contractor shall exhaust his administrative remedies by attempting to resolve his dispute with the District's staff in the following sequence:

Construction Inspector  
District Engineering  
General Manager  
Board of Directors

(c) Should any of the listed persons fail to consider a request by the Contractor for reconsideration of a decision within three (3) working days after receiving written request to do so, the Contractor may proceed directly to the next person in the list. At the option of the District, the person to whom the request for reconsideration is directed may elect to take such request to a higher level and the Contractor's request shall be deemed to be properly submitted to such higher level.

(d) Nothing in this subsection shall be considered as relieving the Contractor from his duties required by the Contract documents.

18. Changes.

(a) If either the Engineer or the Contractor, because of conditions which develop during the progress of the work, finds it impracticable to comply strictly with these Specifications, the Engineer may prescribe a modification of requirements or methods of work. For such proposes, the Engineer may, any time during the life of the Contract, by written order, make such changes, as he shall find necessary, in the design, engineer, grade, form, location, dimensions, plan, or material of any part of the work or equipment to be furnished. If such changes increase or diminish the quantity of work to be done, they shall not constitute the basis for a claim for damages or anticipated profits in the work that may be dispensed with; provided that if such changes or alterations render useless any work already done or materials already furnished or used in the work, the Engineer shall make reasonable allowance therefore, which action shall be binding upon both parties.

(b) In case of increasing or decreasing of work, the total amount of work actually done or materials or equipment furnished shall be paid for according to the unit price established for such work under the contract, wherever such unit price has been established. In the event no prices are named in the Contract but cover such changes or alterations, the cost of such changes shall be determined as provided in Section 14(c).

19. Discovery of an Unknown Utility.

(a) The Contractor's attention is directed to Section 4215 of the Government Code which provides that the district assumes the responsibility for the removal, relocation or protection of the existing

utilities located on the site of any construction project if such utilities are not identified by the District in the plans and specifications made a part hereof.

(b) If the Contractor, while performing the Contract, discovers utility facilities not identified by the District in the Contract plans and specifications, the Contractor shall immediately notify the District. The Contractor shall not be assessed liquidated damages for delay in completion of the project, which such delay is caused by the failure of the District or the owner of the utility to provide for removal or relocation of the existing utility facilities.

(c) In the event that the discovery of said utility facilities may cause extra work, the Contractor is required to obtain written authorization to change or modify the work according to Sections 14 and 18 of these General Conditions, entitled "Extra Work" and "Changes," respectively.

(d) The Contractor's failure to give said notice promptly upon discovery of an unknown utility or the Contractor's failure to obtain written approval for any work concerning the relocation, protection and/or removal of the said unknown utility or for any work relative to the modification of any portion of the work prior to the beginning of any of said work, shall constitute a waiver of any rights to any claim in connection therewith.

## 20. Termination of Contract.

(a) General. If, at any time before completion of work under the contract, it shall be found by the District that reasons beyond the control of the parties hereto render it impossible, or against the best interest of the District, to complete the work contracted to be done; or if the work shall have been prevented or suspended by injunction issued by a court of competent jurisdiction nor by any other order of constituted authority for a period in excess of 30 consecutive days; the District, by written thirty (30) day notice to the Contractor, may discontinue the work and terminate the contract; or, in the event the entire work shall have been suspended by the District, through no fault of the Contractor, in writing, the Contract shall be discontinued. Upon the service of notice of termination, the Contractor shall discontinue the work in such manner, sequence, and at such times as the Engineer may direct, continuing and doing, after said notice, only such work and only until such time or times as the Engineer may direct. Such work shall be paid for as extra work according to Section 14 of these General Conditions. The Contractor shall have no claim for damages for such discontinuance or termination of the Contract, nor shall the Contractor have any claim for anticipated profits on the work thus dispensed with, nor any other claim; except: (1) for the work actually performed between the date of the notice of termination and the time of complete discontinuance; and (2) for any liquidated damages accruing up to the date of said notice of termination according to the provisions of the Special Conditions.

(b) Consumable Supplies. In the event of discontinuance and termination of the contract, the District may, and at the request of the Contractor shall, purchase from the Contractor all consumable supplies of the Contractor on hand, or in transit, or on definite commitment which, in the opinion of the Engineer, are suitable and required, except for such discontinuance and termination, to complete the work, and the District shall pay the Contractor for such consumable supplies the prices paid therefor by the Contractor.

(c) Completion of Contract. In the event that the work shall be discontinued and the Contract terminated, the satisfactory completion of such work, as the Engineer may thereafter direct, and satisfactory compliance with the terms of said order shall be deemed the completion of the work specified in the



Contract; and the final estimate shall be the amount of work completed to the time of such discontinuance and termination, with such other sums as may be due the Contractor according to the provisions of this section.

21. Suspension of Contract.

(a) If the work to be done under the Contract shall be abandoned by the Contractor, or if the Contractor shall make a general assignment for the benefit of his creditors or be adjudicated as bankrupt, or if a receiver of his property or business be appointed by a court of competent jurisdiction, or if this Contract shall be assigned by him otherwise than hereinbefore specified, or if at any time the Engineer shall be of the opinion that the performance of the contract is unnecessarily or unreasonably delayed, or that the Contractor is willfully violating any of the conditions of the Contract, or is executing the same in bad faith or not according to the terms thereof, or if the work be not fully completed within the time named in the Contract for its completion or within the time to which the completion of the Contract may have been extended as hereinafter provided, the Board may, by written notice, instruct the Contractor to discontinue all work, or any part thereof, under this Contract.

(b) When such written notice is served upon the Contractor, he shall immediately discontinue the work or such part thereof as covered by the notice, and shall not resume the same by written notice from the Board, in which case work shall be resumed in ten (10) days. In any such case, the District may take charge of the work and complete it by a new contract or by force account and charge the expense of completion by either method to the Contractor. In so doing, the District may take possession of and use any of the materials, plans, tools, equipment, supplies and property of every kind provided by the Contractor for the purpose of his work. Any such charges shall be deducted from such monies as may be due or may at any time hereafter become due the Contractor under this contract or at any part thereof. In case such expense shall exceed the amount which would have been due the contractor under the Contract if the same had been completed by him, he shall pay the amount of such excess to the District; and in case such expense shall be less than the amount which would have been payable under this contract if the same had been completed by the Contractor, he shall have no claim to the difference except to such extent as may be necessary, in the opinion of the Engineer, to reimburse the Contractor or the Contractor's sureties for any expense properly incurred for plans, equipment, materials, supplies and labor devoted to the prosecution of the work, of which the District shall have received the benefit which shall not have been otherwise paid for by the District. In computing such expense the salvage value of such plans and equipment, at completion of the work, shall be deducted from the depreciated value thereof at the time taken over by the District and the difference shall be considered the expense. All necessary estimate and appraisals shall be made by the Engineer.

(c) When any particular part of the work is being carried on by the District, by Contract or otherwise, under the provisions of this section, the Contractor shall continue the remainder of the work in conformity with the terms of the Contract, and in such a manner as to nowise hinder or interfere with the persons or workers employed, as provided above, by the District, to do any part of the work, or to complete the same under the provisions of this section.

22. Extension of Time of Completion.

(a) If the work shall be delayed in consequence of suspension by the District except as provided in Section 21 or of failure by the District to provide right of way, or of any other act or omission of the District, or by strikes, acts of God, delay of delivery or properly ordered materials for which a delivery time has not been stated in the Proposal, or other unforeseeable causes beyond the control and without the fault or negligence of the Contractor or his subcontractors, the Contractor shall be entitled to so much additional time wherein to perform and complete the contract on his part as the Engineer shall certify in writing to be just.

(b) Application for extension of time must be made to the Engineer, in writing, stating cause, within the ten (10) days immediately following the end of such delay.

(c) Permitting the Contractor to continue and finish the work, or any part of it, after the date to which the time fixed for its completion may have been extended, shall in no way operate as a waiver on the part of the District of any of its rights under this Contract.

(d) The Contractor shall receive no compensation on account of any suspension of the work either in whole or in part or for any delay or hindrance herein mentioned except as provided in the Special Conditions.

(e) No extension of time shall be made for ordinary delays and accidents and the occurrence of such shall not relieve the Contractor from the necessity of maintaining the required progress. In the case of an extension of time by the Engineer for completion of the contract as provided for in these Specifications, a revised schedule of progress may be prescribed according to such extension of time.

23. Failure to Complete on Time.

(a) The Contractor shall pay for each and every calendar day that he shall be in default in completing the whole work to be done under this contract, the sum named in these conditions, which sum is by the execution of this agreement mutually agreed upon as liquidated damages which the District shall suffer by reason of such default. The District shall have the right to deduct the amount of such damages from any monies due or to become due the Contractor under this Contract.

(b) The Contractor shall not be assessed liquidated damages for failure to complete the work on time due to any of the causes stated in Section 22(a).

24. Liquidated Damages.

(a) Pursuant to Section 23 of these General Conditions, failure of the Contractor to complete the work within the time allowed will result in damages being sustained by the District. Such damages are, and will continue to be, impractical and extremely difficult to determine. For each consecutive calendar day in excess of the time specified for completion of the work (as adjusted by change order), the Contractor shall pay the District, or have withheld from monies due it, the sum of \$500, except as otherwise specified in Part C or the Agreement.

(b) Execution of the Contract under these Specifications shall constitute agreement by the District and Contractor that \$500 per day, except as otherwise specified in Part C or the Agreement, is the

minimum value of the costs and actual damage caused by failure of the Contractor to complete the work within the allotted time, that such sum is liquidated damages and shall not be construed as a penalty, and that such sum may be deducted from payments due the Contractor if such delay occurs.

25. Contractor's Responsibility.

(a) The contractor shall be responsible for safe and efficient execution of the work to secure the safety of the workers, the quality of the work and the stipulated rate of progress.

(b) The Contractor shall bear all losses resulting to him no account of the amount or character of the work, or from any unforeseen obstruction or difficulties which may be encountered, or because of weather, floods, or other causes, except as follows:

- (1) The Contractor shall not be responsible for the cost of repairing or restoring damage to the work which damage was caused by an act of God, as defined in Public Contract Code Section 7105, and shall be the basis for determining the extent of the District's liability, if any.
- (2) It shall be the responsibility of the Contractor to take all reasonable and adequate measures to protect the work from damage and/or to minimize any damage to the work.
- (3) The District reserves the right to make changes in the plans and Specifications applicable to the portion of the work to be restored. The District reserves the right to terminate the Contract and relieve the Contractor of further obligations to perform the work. In the event that the work damaged is to be repaired or restored either, in kind or changed by the engineer, a contract change order will be provided according to Sections 14 and 18 of the General Conditions of this Specification. The change order may provide for the Contractor to perform any work deemed by the Engineer as necessary to put the project in satisfactory condition for the termination of all work.
- (4) The District may require the Contractor to submit as a separate bid item the insurance premium covering the cost of work destroyed in whole or in part by an "Act of God," as defined in Public Contract Code 7105 and provide such insurance to indemnify the District for any damage to the work caused by an "Act of God," and to rebuild said work with the proceeds of said insurance. If the District elects to do so, said insurance shall be in lieu of the provision of the Public Contract Code 7105.

(c) The Contractor shall be responsible for all material, except defective material, furnished by the District, and for the care of all work until its completion and final acceptance, and he shall at his own expense replace damaged, lost or stolen material and repair damaged parts of the work, or the same may be done at his expense by the District.

(d) During the progress of the work, the Contractor shall keep the premises occupied by him in a neat and clean condition. When the work is completed he will be required to remove all debris caused by him in his operations, repair all damage to existing improvements done by him or his employees and leave the site of the work in a neat condition. In the event of his failure to do so, the same may be done at his expense by the District.

(e) The Contractor shall be responsible for all damage or injury which may be caused on any property by trespass of the Contractor's employees during their employment, whether the said trespass was committed with or without the consent or knowledge of the Contractor.

(f) The Contractor shall provide at his own expense, all necessary water, telephone, and power required for his operations under the Contract, except as provided for in the Special Conditions.

(g) The Contractor shall so conduct his operations as not to close or obstruct any portion of any highway, road, or street, or prevent in any way free access to fire hydrants until permission to do so has been obtained from the proper authorities.

(h) The Contractor shall be responsible for determining the nature and extent of any simultaneous, collateral, and essential work by others. The Contractor shall coordinate his operation and cooperate with others to minimize interferences, conflicts, and/or any other related conduct during the construction of the work.

26. Shop Drawings.

(a) Drawings and prints of articles, machinery, or fabricated materials entering into permanent construction which are required to be furnished by the Contractor and for which detailed drawings are not furnished by the District, the Contractor shall submit five (5) copies for approval, three (3) of which will be returned to the Contractor for his distribution, the two (2) other copies shall become the property of the District. The District shall approve such drawings or return them to the Contractor with requirements for approval within ten (10) days after the date of submission.

(b) Approval by the District on items called for under these Specifications does not relieve the Contractor from the responsibility for errors, omissions or deviations from the Contract documents unless such deviations were specifically called to the attention of the Engineer in the letter of transmittal submitted with the material for approval.

(c) If the Contractor objects to any conditions imposed by the District in granting said approvals, he shall immediately give the District written notification.

27. Trench Shoring Plans.

(a) In compliance with Section 6705 of the Labor Code, the Contractor, at his sole expense, shall be required to submit detailed shoring plans for review by the District's Engineer for all construction projects and/or any related modifications, revision or changes thereto, which are in excess of \$25,000, for the excavation of any trench, trenches, or other excavation five (5) feet or more in depth.

(b) Shoring plans shall show the details of the shoring, bracing, sloping and all other provisions to be made for the workers' protection from the hazard of caving ground during the excavation of any trench, trenches, or other excavation.

(c) Such shoring plans shall be prepared by a qualified civil or structural engineer registered in the State of California in the event that such plans vary or deviate, in any manner, from the shoring system

standards as outlined in the State Construction Safety Orders issued by the Division of Industrial Safety, State of California.

(d) The Contractor shall submit the shoring plans to the Division of Industrial Safety, State of California, for its approval.

(e) The Contractor shall be required to submit the shoring plans within fifteen (15) days after notification of an award of a contract has been sent.

28. Safety Permit.

(a) In compliance with Section 6424 of the Labor Code, the Contractor, at his sole expense, shall be required to obtain a permit from the Division of Industrial Safety for the excavation of any trench, trenches, or other excavation five (5) feet or more in depth, prior to beginning any excavation work that is not covered by Section 6422 of the Labor Code.

(b) A copy of all permits issued and the related construction safety orders approved by the Division of Industrial Safety shall be filed with the District within fifteen (15) days after notification of the award of a contract, or within three (3) days after issuance of the permit, and prior to the beginning of the excavation of any trench, trenches, or other excavation five (5) feet or more in depth.

(c) Additional permits may be required for each modification, revision or change in the work.

(d) Safety permits required by Section 6424 of the Labor Code shall be in addition to all other permits required.

29. Personal Attention. The Contractor shall give his personal attention constantly to the faithful prosecution of the work, and shall be present, either in person or by a duly authorized and competent representative, on the site of the work continually during its progress, to receive directions or instructions from the Engineer. Whenever the Contractor is not present on any part of the work where it may be desired to give directions, orders may be given by the Engineer, and shall be received and obeyed by the superintendent or foreman who may have charge of the particular part of the work in reference to which orders are given.

30. Laws, Regulations and Permits.

(a) The contractor shall give all notices required by law and comply with all laws, ordinances, rules and regulations pertaining to the conduct of the work. The contractor shall be liable for all violations of the law in connection with the work furnished by the contractor. If the contractor observes that the drawings or specifications are at variance with any law or ordinance, rule or regulation, he shall promptly notify the engineer in writing and any necessary changes shall be made by written instruction or change order. If the contractor performs any work knowing it to be contrary to such laws, ordinances, rules and regulations and without giving notice to the engineer, the contractor shall bear all costs arising therefrom.

(b) The Contractor shall submit a certification that they are in compliance with the Civil Rights Act of 1964 as amended by the Equal Employment Opportunity Act of 1972, the California Fair Employment Practice Act of 1959, as amended, California Labor Code Section 1777.5 and Section 1735 and any other applicable Federal and State laws and regulations hereinafter enacted. Certification of

Compliance with Executive Order 11246, as amended, will be required when applicable. Such certification shall be on forms satisfactory to the District.

- (c) The following are exempted from the above provisions in relation to affirmative action efforts:
- (1) Contractors, subcontractors and suppliers who have a paid work force of less than fifteen (15) persons.
  - (2) Contracts and subcontracts which do not exceed \$10,000.00.
  - (3) Contracts and subcontracts which are deemed by the Board to be an "Emergency" nature or an apparent "Sole Source" purchase.
  - (4) Exemptions may be denied by the Board pursuant to a finding by the District that the exemption is having an adverse effect on the purpose of these Specifications. Additional exemptions may be granted by the Board for reasons of a similar finding.

**(d) The Contractor shall only use equipment that complies with the state air quality regulations and the Ventura Air Pollution Control District regulations.**

31. Sales and/or Use 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 hereunder shall be paid by the Contractor.

32. Construction Schedule. Prior to commencing the work, the Contractor shall submit a detailed construction schedule. At the beginning of each month as may be required by the Engineer, the Contractor shall submit an updated construction schedule. Said construction schedule shall show the order in which the Contractor proposes to complete the work, the dates when the various parts of the work are to begin and the estimated dates of completion. The detailed schedule shall be a modified bar type and shall show each principal item of work or activity.

33. Inspection.

(a) All materials furnished and all work done under these Specifications shall be subject to rigid inspection. The Contractor shall furnish the Engineer every reasonable facility for ascertaining whether the work is in accordance with the requirements and intent of these Specifications.

(b) Work done in the absence of prescribed inspection may be required to be removed and replaced under the proper inspection. The entire cost of removal and replacement, including the cost of all materials which may be furnished by the District and used in the work removed, shall be borne by the Contractor, irrespective of whether the work removed is found to be defective.

(c) Work covered up without the authority of the Engineer shall, upon order of the Engineer, be uncovered to the extent required, and the Contractor shall bear the entire cost of performing all the work and furnishing all the materials necessary for the removal of the covering and its subsequent replacement, as directed and approved by the Engineer.

(d) Nothing in these Specifications shall be construed to mean that the District will provide continuous inspection. The Contractor shall cooperate and coordinate his activities in order that his work can be inspected to the satisfaction of the Engineer.

(e) The Contractor shall keep the Engineer informed, a reasonable time in advance, of the times and places at which he intends to do work, so that the inspection and the necessary measurements may be made with a minimum of inconvenience to the Engineer, or delay to the Contractor.

34. Construction Staking.

(a) The Engineer will provide only minimal construction staking, the extent of which will be described in the Special Conditions hereof. The Contractor shall be required to provide all other additional staking and/or measurements necessary for the proper execution of the work.

(b) The Contractor shall notify the Engineer in writing at least five (5) working days before the time the Contractor will require the construction staking.

(c) The Contractor shall be required to preserve all bench marks, monuments, survey marks and construction stakes, and in case of their removal or destruction caused by the Contractor's activities, the Contractor shall be liable of the cost of their replacement.

35. Construction Interferences.

(a) Insofar as practicable during the progress of the work, the Contractor shall not disturb, but shall support and protect against injury, and maintain in good operating condition at his own expense, all subsurface, surface and overhead utilities, structures and other facilities as are encountered in the prosecution of the work.

(b) In the event that subsurface, surface, or overhead utilities, structures or other facilities are required to be disturbed or removed out permit the construction of the work, the Contractor shall not do any work that would affect such utilities, structures or facilities, or enter upon the right of way or other lands appurtenant thereto until notified by the Engineer that authority has been obtained to do so. The Engineer will make all necessary arrangements with the owner or other utilities for their relocation and reconnection, without cost to the Contractor, including the reconnection of services and the resurfacing of trenches required for said location; provided such arrangements shall not relieve the Contractor of his responsibilities as outlined in Section 2(b) of these General Conditions, nor the responsibility of proper care and protection of any utilities, structures or facilities encountered because of such varying conditions. The Contractor shall coordinate his operations with those of the owner or owners concerned with the disturbance or removal of facilities to minimize the inconvenience imposed on all affected parties.

(c) Except as provided in Section 4215 of the Government Code and in the event the Contractor disturbs, disconnects or damages any subsurface, surface, or overhead utility, structure or other facility prior to the making of necessary arrangements by the Engineer with the owner thereof, he shall immediately give to the owner notice of said disturbance, disconnection, or damage, and the Contractor shall assume all responsibility connected therewith, even in the event such damage occurs after backfilling or is not discovered until after completion of backfilling, and the provisions of this subsection shall continue in force until the termination of the guarantee period provided.

(d) All facilities removed shall be reconstructed as promptly as is possible in its original or other authorized location, and in a condition at least as good as when removed and subject to the inspection of the owner or of the governing body having jurisdiction.

(e) During the performance of the work under these Specifications, the owners or agencies in control of any of the facilities affected by the work shall have the right to enter, when necessary, upon the project right of way, or upon any street or other public way affected by the Contractor's operations, or any portion thereof, for the purpose of maintaining service and of making changes in or repairs to said facilities.

(f) The District reserves the right during the progress of the work and upon determination of the actual position of the existing utilities, structures, and other facilities, to make changes in the grade or alignment, or both, of the District's facilities wherever by so doing the necessity for relocation as provided herein of such utility, structures, or other facility will be avoided; provided that such changes shall not entitle the Contractor to additional compensation other than according to the prices named in the Bidding Sheet for the respective contract items.

(g) In the event the Contractor discovers a substructure as defined in Section 4215 of the Government Code and not identified by the District on the contract plans and Specifications, the Contractor shall be required to notify the District in writing. In the event that such discovery may cause extra work, the Contractor shall be required to obtain written authorization to change or modify the work according to Sections 14 and 18 of these General Conditions of the Specifications.

(h) Whether the Contractor is entitled to any additional compensation for any work hereinbefore described in Section 36 of these General Conditions shall be governed by the applicable portions of Section 4215 of the Government Code or amendments thereto.

(i) The Contractor shall make every effort to protect and preserve all trees encountered in the work. Any trees which unreasonably interfere with the work shall, with the approval of the Engineer, be removed by the Contractor. The cost of the removal shall be borne by the Contractor.

36. Materials, Workmanship, and Tests. The Contractor shall submit samples, specimens, or test pieces of such materials to be furnished or used in the work as the Engineer shall require. All materials must be new and must be of the specified quality and equal to approved samples. The Contractor shall furnish, without cost to the District, such quantities of construction materials as may be required for test purposes, and shall place at the Engineer's disposal all available facilities for and cooperate with him in the sampling and testing of all materials and workmanship. All work shall be done and completed in a thorough workmanlike manner, notwithstanding any omission from these Specifications or the Drawings.

37. Certification of Materials and Equipment

(a) All materials and equipment furnished by the Contractor shall be according to these Specifications. Any time when requested by the Engineer, the Contractor shall furnish written certification from the manufacturer of the various materials and equipment that such materials and equipment do meet all of the requirements of these Specifications. When requested by the Engineer, such certification shall be furnished to the District before payment to the Contractor, for the material and/or equipment in question, will be made.



(b) Where reference is made in these Specifications to a specification or test designation of the American Water Works Association, the American Society for Testing and Materials, the American Association of State Highway Officials, Federal Specifications, or any other recognized national organization, and the number or other identification accompanying the test designation representing the year of adoption of latest revision of the test is omitted, it shall mean the test method in effect on the date of the Notice Inviting Bids for the work.

38. Defective Work or Materials.

(a) The inspection of the work shall not relieve the Contractor of any of his obligations to fulfill his contract as herein prescribed, and defective work shall be made good, and unsuitable materials may be rejected, notwithstanding that such work and materials have been previously inspected by the Engineer and accepted or estimated for payment. If the work, or any part thereof, shall be found defective at any time before the final acceptance of the whole work, the Contractor shall forthwith make good such defect without compensation in a manner satisfactory to the Engineer and shall be charged for any excess material furnished by the District.

(b) If any materials furnished and brought upon the ground by the Contractor for use in the work, or selected for the same by him, shall be condemned by the Engineer as unsuitable or not in conformity with the Specifications, the Contractor shall forthwith discard such materials and remove them to a satisfactory distance from the vicinity of the work.

(c) If the Contractor shall fail or neglect to make ordered repairs of defective work or to remove condemned materials from the work within ten (10) days after the service by the Engineer of an order to do so, the Engineer acting on behalf of the District may make the ordered repairs or remove the condemned materials and deduct the cost thereof from any monies due the Contractor.

39. Use of "Or Equal."

(a) Any material or article of equipment designated by manufacturer's name, trade name, catalog reference or brand and qualified by "or equal" shall be understood to be a standard of quality and performance. Articles of other make will be acceptable provided they are, in the opinion of the Engineer, of equal quality and/or capable of equal performance. Names, brands and characteristics of proposed substitute materials shall be submitted to the Engineer for approval and no such substitute materials shall be purchased or delivered to the project until the Engineer's approval, in writing, has been obtained.

(b) The Contractor may be required to obtain certification from a qualified testing laboratory approved by the Engineer that such proposed substitute materials meet the minimum requirements in the Specifications, and/or that such proposed substitute materials are of equal quality and performance of the material or article designated in the Specifications. Such certification shall be required prior to obtaining the Engineer's approval, and shall be at the sole expense of the Contractor.

40. Property Rights in Materials.

(a) Nothing in this contract shall be construed as vesting in the Contractor any right of property in the materials used after they have been attached or affixed to the work or the soil, or after payment has been made for the value of unused material delivered to the site of the work as provided for in Sections 45, 58 through 65 inclusive hereof. All such materials attached or affixed or unused shall become the property of the District.

(b) The District reserves the right to use any or all of the completed facilities either after said facilities are connected to the existing facilities or otherwise completed by the Contractor as set forth in Section 45 hereof and prior to acceptance of the work by the Board.

41. Title to Materials Found on the Work. Except as may otherwise be provided in these Specifications, the right to the use of all soil, stone, gravel, sand and all other materials and equipment developed or obtained in the excavation or other operations by the Contractor or any subcontractor or any of their employees, and the right to use and/or dispose of the same, are hereby expressly reserved by the District and neither the Contractor nor any subcontractor, nor any of their employees shall have any right, title or interest in or to any part thereof nor shall they, nor any of them, assert or make any claim thereto. The Contractor shall be permitted to use in the work without charge any such materials which meet the requirements of these Specifications.

42. Patents and Copyrights. The Contractor shall hold and save the District, its officers, agents and employees, harmless from liability of any nature and kind, including costs and expense, for or because of any copyrighted or uncopyrighted composition, secret process, patented or unpatented invention, article, or appliances, manufactured, furnished, or used by him in the performance of this contract, including their use by the District, unless otherwise specifically stipulated in this contract.

43. Responsibility for Safe Storage. The Contractor shall be responsible for the safe storage of the material furnished by or to him and accepted by him and intended for the work until it has been incorporated in the completed project. The interior of all pipe, fittings and other accessories shall be kept free from dirt and foreign matter at all times.

44. Completion. When in the opinion of the Contractor, the work under this contract has been fully completed according to the plans and Specifications, he shall notify the Engineer. Upon such notification, the Engineer shall, within a reasonable time, make a field inspection of the work and shall satisfy himself by examination and such tests as may be necessary that the work has been fully and properly completed according to the plans and Specifications. If any deficiencies are found, the Engineer shall notify the Contractor of the measures to be taken to correct them. When all deficiencies, if any, are corrected to the satisfaction of the Engineer, the work shall be deemed completed and the date of such completion shall be used in computing the Liquidated Damages, if any, as set forth in Section 24.

45. Final Cleanup. Upon completion of the work and before the final inspection and estimate is prepared, the Contractor shall, at his own expense, dispose of and remove from the vicinity of the work, all rubbish, unused materials and other items used under his direction during construction and perform cleanup to the satisfaction of the Engineer.

46. Responsibility for a Safe Place to Work.

(a) The Contractor's attention is directed to Section 4 of these General Conditions entitled, "Indemnification of District."

(b) The Contractor shall be responsible for the maintenance of a safe place to work and any safety in or about the work site. The Contractor shall be required to conform to all of the applicable Construction Safety Orders issued by the Division of Industrial Safety of the State of California.

(c) The contractor shall execute and maintain his work so as to avoid injury or damage to any person or property. The contractor shall comply with the requirements of the specifications relating to safety measures applicable in particular operations or kinds of work.

(d) In carrying out his work, the contractor shall at all times, exercise all necessary precautions for the safety of employees appropriate to the nature of the work and the conditions under which the work is to be performed, and be in compliance with all federal, state and local statutory and regulatory requirements including State of California, Division of Industrial Safety (Cal/OSHA) regulations. Safety precautions as applicable shall include, but not be limited to, adequate life protection, and life saving equipment; adequate illumination for underground and night operations; instructions in accident prevention for all employees such as machinery guards, safe walkways, scaffolds, ladders, bridges, gang planks, confined space procedures, trenching and shoring, and other safety devices, equipment and wearing apparel as are necessary or lawfully required to prevent accidents or injuries; and adequate facilities for the proper inspection and maintenance of all safety measures.

(e) The names and telephone numbers of at least two medical doctors practicing in the vicinity and the telephone number of the local emergency response services shall be prominently displayed adjacent to telephones at the project site.

47. Public Convenience and Safety.

(a) The Contractor shall provide for the protection of the traveling public. The Contractor shall be required to furnish and maintain safety devices and other measures required for the public safety, which devices and measures shall conform to the requirements of Section 21406 of the Vehicle Code, any sign manual and current standard specifications of the Division of Highways. The Contractor shall conduct his operation to avoid unnecessary interference with the flow of traffic along highways, streets, roads, etc., used for vehicular traffic. Where any highway, street, road, etc., used for vehicular traffic is required to be kept open, the Contractor shall be required to furnish and maintain warning signs, lights, barricades, flagmen and other safety devices and measures necessary to provide adequate protection of the traveling public. Such protection shall be at the sole expense of the Contractor. Any highway, street maintenance or repair work required by local authorities concerning necessary operation under this contract shall be performed by the Contractor at his sole expense.

(b) Vehicular access to any driveway shall be maintained to the property line unless necessary construction precludes such access for reasonable periods of time.

(c) Vehicular and pedestrian access to any fire hydrant shall be maintained at all times during the construction of the work.

48. Safety, Sanitary and Medical Requirements.

(a) The Contractor, his employees and the subcontractors, if any, and their employees shall promptly and fully carry out the existing safety, sanitary and medical requirements as may from time to time be prescribed by the District to the end that proper work shall be conserved and safeguarded. In case such regulations and orders are not observed by the Contractor, they may be enforced by the Engineer at the Contractor's expense.

(b) Contractor shall notify District in writing within twenty-four (24) hours should an employee, officer or agent of Contractor or subcontractor incur personal injury while present on District properties or employed by District. District shall be furnished copies of all medical reports or accident reports filed or required by any local state or federal agency or regulatory body.

49. Character of Workers.

(a) None but skilled workers shall be employed on work requiring special qualifications. All equipment operators, pipelayers and jointers shall be well qualified and experienced in their work. All welding, however minor, shall be done by competent, certified welders, who have been qualified under Section IX of the ASME Boiler and Pressure Vessel Code, API Publication 1104 or such other standard as may be satisfactory to the Engineer. The Engineer shall have the right any time to call for and witness the making of test specimens by any welding operator according to these standards, and the expense of such tests shall be borne by the Contractor. When required in writing by the Engineer, the Contractor, or any subcontractor shall discharge any person who is, in the opinion of the Engineer, incompetent, unfaithful, disorderly or otherwise unsatisfactory, and shall not again employ such discharged person on the work except with the consent of the Engineer. Such discharge shall not be the basis of any claim for compensation or damages against the District or any of its officers.

(b) Enforcement of Order. The Contractor shall be responsible for maintaining good order at the site where work is performed under this contract and to that end shall employ such watchmen or other persons as may be required. Unauthorized persons shall be excluded from the site of the work. The Contractor shall not sell, nor shall he permit or suffer the introduction or use of, intoxicating liquors or narcotics upon the work embraced in these Specifications or upon any of the grounds occupied or controlled by him in connection with such works.

50. Subcontracts.

(a) Subcontracts will be permitted subject to the following provisions. No subcontract will be permitted which has the effect of avoiding the residence or wage requirements or any other provisions of the main contract. Individual subcontractors or members of contracting or subcontracting organizations personally engaged upon the work shall be subject to all the requirements of these specifications applicable to employees working for wages, including but not limited to, wages, hours of work, character of workers and certified payrolls.

(b) Reference is hereby made to the provisions of the Subletting and Subcontracting Fair Practices Act, Public Contract Code Section 4100, commencing with Section 4100, also known as the "Subletting and Subcontracting Fair Practices Act," which is incorporated herein and made a part hereof by reference, and the Contractor is bound thereby and shall be subject to the consequences named in Sections 4110 and 4111 of said Act in event of his violation thereof. Each bidder shall, in his bid or offer, set forth:

(1) The name and the location of the place of business of each subcontractor who will perform work or labor or render service to the Contractor in or about the construction of the work or improvement in an amount in excess of one-half of one percent of the Contractor's total bid or a subcontractor licensed by the State of California who, under subcontract to the prime contractor, specially fabricates and installs a portion of the work or improvement according to detailed drawings contained in the plans and specifications, in an amount in excess of one-half of one percent of the prime contractor's total bid; and (2) The portion of the work which will be done by each such subcontractor under said Act. The Contractor shall list only one subcontractor for each such portion as defined by the Contractor in his bid. If the Contractor fails to specify a subcontractor or if the Contractor specifies more than one subcontractor for the same one-half of one percent of the Contractor's total bid, the Contractor agrees that he is fully qualified to perform that portion himself, and that he shall perform that portion himself.

51. Access to the Site and Haul Routes.

(a) The Contractor shall make his own investigation of the condition of available public or private roads or other access, and of clearances, restrictions, bridge load limits, bond requirements, and other limitations that affect or may affect transportation and ingress and egress at the job site. The unavailability of transportation facilities or limitations thereon shall not become a basis for claims for damages or extension of time for completion of work. It shall be the Contractor's own responsibility to construct and maintain, at his own expense and at his own risk, any haul roads, access roads, bridges, or drainage structures required for construction operations.

(b) The use of existing roads (public or private) shall be at the Contractor's own expense and risk. It shall be the Contractor's responsibility to anticipate and meet all conditions properly imposed upon the use of existing roads by those having jurisdiction thereover, including (without limitation of the generality of the foregoing) seasonal or other limitations or restrictions, the payment of excess size and weight fees, and the posting of bonds conditioned upon repair of road damage caused by contract-generated traffic.

(c) The hauling of sand, gravel, asphalt or other intra job hauling, over public highways, roads or bridges, shall be in compliance with the applicable regulations and shall be such as to minimize interference with or congestion of local traffic.

(d) The cost of all work described in this paragraph shall be included in the prices bid in the schedule for other items of work.

52. Irregular Hours.

(a) When any work is to be performed at a time other than regular working hours Monday through Friday, the Engineer shall be given advance notice. In the event of Saturday and/or Sunday work, the approval of the Engineer shall be required before such work will be allowed. All costs for inspection attributed to irregular working hours shall be borne by the Contractor and shall be deducted from the contract amount. Irregular working hours shall be defined as follows, except for certain specialized jobs and circumstances:

- (1) Before 8:00 a.m. Monday through Friday.
- (2) After 4:30 p.m. Monday through Friday.
- (3) Anytime Saturday, Sunday, or District's Holidays.

(b) The Contractor will be exempt from this provision only for such work as required by the Specifications to be completed at other than working hours.

53. Eight-hour Law. In accordance with the provisions of Articles 1 and 3 of Chapter 1, Part 7, Division 2 of the Labor Code of the State of California eight (8) hours constitute a legal day's work. The Contractor shall forfeit, as a penalty to the District, \$25.00 for each worker employed in the execution of the contract by the Contractor or any subcontractor under him: for each calendar day during which such worker is required or permitted to work more than eight (8) hours in any one calendar day and forty (40) hours in any one calendar week in violation of the provisions of the Labor Code, and in particular, Sections 1810 to 1815 thereof, inclusive, except that work performed by employees of Contractor in excess of eight (8) hours per day and forty (40) hours during any one week shall be permitted upon compensation for all hours worked in excess of eight (8) hours per day at not less than one and one-half (1-1/2) times the basic rate of pay as provided in said Section 1815. The Contractor and each subcontractor shall keep accurate records showing the name of and schedule of hours worked by each worker employed by him concerning the contract. The records shall be kept open at all reasonable hours to inspection by the District and the Division of Labor Law Enforcement.

54. Payment of Wages. The issuance as payment for wages of any evidence of indebtedness is prohibited unless the same is negotiable and payable on demand without discount. Wages must be paid at least semi-monthly on regular pay days established in advance, and shall include all amounts for labor or services performed by employees of every description as required under the provisions of the California Labor Code.

55. Prevailing Rate of Per Diem Wages. Pursuant to the provisions of Articles 1 and 2 of Chapter 1, Part 7, Division 2 of the Labor Code of the State of California, not less than the general prevailing rate of per diem wages and not less than the general prevailing rate of per diem wages for legal holiday and overtime work for each craft or type of worker needed to execute the work contemplated under this contract, as determined by the District and as set forth in the schedule of such wages currently on file in the District office, shall be paid to all workers employed on such work by the Contractor or by any subcontractor doing or contracting to do any part of said work. The Contractor shall comply with Labor Code Section 1775. According to said Section 1775, the Contractor shall forfeit, as a penalty to the District, \$25 for each calendar day, or portion thereof, for each worker paid less than the stipulated prevailing rates for such work or craft in which such worker is employed for any work done under the contract by him or by any subcontractor under him in violation of the provisions of the Labor Code and in particular, Labor Code Sections 1770 to 1780, inclusive. In addition to said penalty and pursuant to said Section 1775, the difference between such stipulated prevailing wage rates and the amount paid to each worker for each calendar day or portion thereof for which each worker was paid less than the stipulated prevailing wage rate shall be paid to each worker by the Contractor. The Contractor and each subcontractor shall keep accurate records showing the name of and schedule of hours worked by each worker employed by him in connection with the contract. The records shall be kept open at all reasonable hours to inspection of the District and the Division of Labor Law Enforcement.

56. Unpaid Claims. If, upon or before the completion of the work herein agreed to be performed or at any time prior to the expiration of the period within which claims may be filed as prescribed by Section 3184 of the Civil Code, any person or persons shall bring against the District or against any agent or agents thereof any action to enforce such claim, the District shall, until the discharge thereof, withhold from the moneys under its control so much of said moneys due or to become due the Contractor under this contract

as shall be sufficient to satisfy and discharge the amount in such notice or under such action claimed to be due, together with the costs thereof; provided, that if the District shall in its discretion permit the Contractor to file such additional bond as is authorized by Section 3196 of the Civil Code, in a penal sum equal to one and one-fourth times the amount of said claim, said moneys shall not thereafter be withheld due to such claim.

57. Monthly Cost Estimates - Progress and Final Progress Payment.

(a) The Contractor shall submit, by the third calendar day of each month on a form acceptable to the District, his estimate of the amount and value of all acceptable work and any extra work or changes approved by the District, up to the last day of the preceding calendar month, for the District's approval; and the Contractor will request a progress payment for the work completed thereof.

(b) A deduction of five (5) percent shall be made from the total thus computed, and from the remainder there shall be further deducted any amounts due the District from the Contractor for supplies or materials furnished or services rendered and any other amounts that may be due the District under the terms of the contract. From the balance thus determined shall be deducted the amount of all previous payments and the remainder shall constitute the progress payment for that month. Such progress estimates shall not be required to be made by strict measurement, but they may be made by measurement or by estimation, or partly by one method and partly by the other, and it shall be sufficient if they are approximate only.

(c) Pursuant to Public Contract Code Section 22300, at the request and expense of the Contractor, securities equivalent to the amounts, if any, withheld by the District to ensure performance under this contract shall be deposited with the District. The District shall pay such moneys to the Contractor upon satisfactory completion of the contract. Securities eligible for investment under this section shall include those listed in Government Code Section 16430 or bank or savings and loan certificates of deposit. The Contractor shall be the beneficial owner of any securities substituted for moneys withheld and shall receive any interest thereon.

If the securities to be deposited by the Contractor pursuant to this provision are in registered form, the registration shall be transferred to the District.

(d) The Engineer shall approve the amount and value of all acceptable work and any extra work or changes approved by the District. Upon mutual agreement thereto, the Engineer will forward the approved estimate to the Administrative Services Manager for payment of the progress or final progress payment within ten (10) days thereafter.

(e) In the event that the Contractor and the District cannot mutually agree as to the amount and value of any item of work in the progress payment, the District will authorize payment of that portion of the progress and final progress payment to which the Contractor and the District have mutually agreed.

(f) The Contractor shall file with the District, within five (5) calendar days after the Engineer has issued written notice of the disputed items to the Contractor, a written statement setting forth in complete detail the basis for his disagreement, including, but not limited to, any amount or value in disagreement or dispute.

(g) Upon receipt of the Contractor's written statement, the General Manager shall investigate and consider the items of disagreement or dispute and render a decision thereon within a reasonable time, which decision shall be conclusive.

(h) In the event that the Contractor disagrees with the General Manager's decision, the Contractor's cost to the Contract for the delay in receiving the disputed balance of any progress or final progress payment, may be an item for arbitration according to Section 65 of the General Conditions.

(i) In the event the contract or any part thereof shall be suspended as provided in Section 21, the retained percentage as provided in Section 58(b) shall become the sole and absolute property of the District to the extent necessary to repay the District any excess in the cost of the work above the contract price. After issuance of notice to discontinue work, no payment upon progress estimates or otherwise shall thereafter be made to the Contractor for the work covered by said notice until completion of work and final settlement.

(j) The making of an estimate and payment in accordance therewith shall not preclude the District from demanding and recovering from the Contractor such damages as it may be entitled to under the contract because of his failure to comply with the Specifications.

#### 58. Final Cost Statement.

(a) Final Cost Statement is a document which summarizes all of the Contractor's earnings under this contract and any amounts due the District from the Contractor, and from which the final payment is made.

(b) Upon completion of all of the work to be performed under this contract as set forth in Section 45, the Contractor shall submit for approval by the District in a form satisfactory to the District the amount and value of all acceptable work, and all extra work or changes approved by the District.

(c) The Engineer shall approve the amount and value of all acceptable work and any extra work or changes approved by the District. Upon mutual agreement thereof, this District will prepare the Final Cost Statement document which shall be submitted to the Contractor for his acceptance and signature.

(d) Upon endorsement by the Contractor of the Final Cost Statement, the District shall accept the work and authorize the final payment according to Sections 61 and 62 hereof.

#### 59. Disputed Final Payment.

(a) In the event that the Contractor and the District cannot mutually agree as to the amount and value of the work, as set forth in this Final Cost Statement, the District will prepare the Final Cost Statement based upon the Engineer's determination of the amount and value of the work to which this Contractor may be entitled. Upon receipt of this Final Cost Statement, the Contractor shall file with the District within five (5) calendar days thereafter, a written statement setting forth in complete detail the basis for his disagreement, including, but not limited to, any amount or value in disagreement or dispute.

(b) The Board reserves the right to accept the work and file the necessary Notice of Completion.



(c) The Board shall investigate and consider the items of disagreement or dispute and render its decision thereon as to the amount due the Contractor within a reasonable time.

(d) The District will authorize payment of that portion of the Final Cost Statement to which the Contractor and the District have mutually agreed according to Section 58 hereof. Reference is made to Section 64 of these General Conditions.

60. Acceptance. Upon endorsement by the Contractor of the final cost statement, the Engineer shall prepare a memorandum of completion to advise the Board that the work has been satisfactorily completed and is ready for acceptance. At its next succeeding meeting, the Board shall consider acceptance of the work, and upon acceptance, shall authorize payment to the Contractor.

61. Final Payment.

(a) At the end of thirty-five (35) days after filing the notice of completion, as set forth above, the total balance due the Contractor, or in case of a dispute, any portion of the total balance which has been mutually agreed is not in dispute, if unencumbered, or any part thereof unencumbered, shall be paid provided that a guarantee bond shall have been filed with the District.

(b) For the purposes of this section, unencumbered balance means that portion over and above the face amount of all the stop notices on file with the District plus 25 percent of the face amount for potential interest and the cost of litigation as provided for in the Civil Code Section 3186-7.

62. Final Payment Terminates Liability.

(a) The acceptance by the Contractor of the final payment aforesaid shall be a release to the District and its agents from all claim liability to the Contractor for anything done related to the work or for any act or neglect of the District related to the work, except the claim against the District for the remainder, if any, of the amounts kept or retained as hereinbefore provided.

(b) No agent of the District shall be personally responsible for any liability arising under the contract. No claim shall be made or filed, and neither the District nor any of its agents shall be liable for, or held to pay any money, except as specifically provided in the contract.

63. Releases.

(a) Prior to payment of the final progress payment, the District may require the Contractor to obtain releases from each of the subs, material suppliers, equipment rental firms and employees, whether or not any have filed a preliminary notice with District, who have performed any work for the Contractor under this contract for which any payment may be warranted.

(b) Releases shall be submitted in a form approved by the District. Conditional releases may be unacceptable and acceptance thereof will be at the discretion of the District.

64. Disputes Settled by Arbitration. In the event there is a dispute between the parties as to any of the terms and conditions of this agreement, including but not limited to the accounting rendered by the District, and said dispute cannot be resolved according to Section 59 of these General Conditions, the dispute shall be submitted to arbitration before a single arbitrator agreed to by the parties or failing such agreement

appointed by the American Arbitration Association and resolved according to Article 1.5 of the Public Contract Code. Regardless of the manner of appointment of said arbitrator, the arbitration shall be conducted according to the then prevailing rules of the American Arbitration Association for commercial arbitration, except that each party shall bear their own costs and attorney's fees which they incur.

(a) As required under Section 20104, et seq., of the California Public Contract Code (Stats. of 1990), any demand of \$375,000 or less, by the Contractor for a time extension, payment of money, or damages arising from the work done by or on behalf of the Contractor pursuant to this Contract; or payment of an amount which is disputed by District shall be processed in accordance with the provisions of said Section 20104, et seq., related to informal conferences, non-binding judicially-supervised mediation, and judicial arbitration.

(b) A single written claim shall be filed under this Article prior to the date of final payment for all demands resulting out of the Contract.

(c) Within thirty (30) days of the receipt of the claim, District may request additional documentation supporting the claim or relating to defenses or claims District may have against the Contractor. If the amount of the claim is less than \$50,000, the Contractor shall respond to the request for additional information within fifteen (15) days after receipt of the request. The Contractor shall respond to the request within thirty (30) days of receipt if the amount of the claim exceeds \$50,000, but is less than \$375,000.

(d) Unless further documentation is requested, District shall respond to the claim within forty-five (45) days if the amount of the claim is less than \$50,000, or within sixty (60) days if the amount of the claim is more than \$50,000 but less than \$375,000. If further documentation is requested, District shall respond within the same amount of time taken by Contractor to respond, or fifteen (15) days, whichever is greater, after receipt of the information if the claim is less than \$50,000. If the claim is more than \$50,000 but less than \$375,000 and further documentation is requested by District, District shall respond within the same amount of time taken by the Contractor to respond or thirty (30) days, whichever is greater.

(e) If the Contractor disputes District's response, or District fails to respond, the Contractor may demand an informal conference to meet and confer for settlement of the issues in dispute. The demand shall be served on District within fifteen (15) days after the deadline of District to respond or within fifteen (15) days of District's response, whichever occurs first. District shall schedule the meet and confer conference within thirty (30) days of the request.

(f) If following the meet and confer conference the claim or any portion remains in dispute, the claimant may pursue the remedies authorized by law. For purposes of these provisions, the running of the period of time within which a claim must be filed shall be tolled from the time the claimant submits his or her written claim until the time the claim is denied, including any period of time utilized by the meet and confer conference.

END OF PART B

## PART C

### SPECIAL CONDITIONS

1. Requirement. The work to be performed under this contract shall consist of furnishing all plans, tools, materials, supplies and manufactured articles and for furnishing all transportation, services, including fuel, power and water, trench shoring, and essential communications and the performance of all labor, work or other operations required for the fulfillment of the contract in strict accordance with the specifications, schedules and drawings, all of which are made a part hereof, and including such detail sketches as may be furnished by the Engineer from time to time during the construction in explanation of said drawings. The work shall be complete, and work, materials and services not expressly called for in the specifications or not shown on the drawings which may be necessary for complete and proper construction to carry out the contract in good faith shall be performed, furnished and installed by the Contractor at no increase in cost to the District.

2. General Description. The work generally consists of removing and replacing fluorescent light fixtures and installing new lighting controls. The work also includes either painting the existing glued ceiling tiles or replacing the tiles. The ceiling tiles and mastic have been tested for asbestos and have been found to contain less than 0.1 percent asbestos.

3. General Sequence of Pre-Construction.

The General Sequence of the Contractor's pre-construction shall be as follows unless otherwise approved by the Engineer:

- (a) Submit all necessary forms.
- (b) Submit five (5) copies of the shop drawings per Part C Section 15. After the shop drawings are accepted, any special pieces may be ordered and delivered to the site.
- (c) Submit a detailed schedule of construction.
- (d) Pre-Construction. Prior to the start of construction, at a time agreed on between the Contractor and the District, a pre-construction and safety conference shall be held for the purpose of discussing and familiarizing all concerned with the contract documents, procedures, standards, correspondence and shop drawing requirements and safety issues relevant to this project.

Personnel to be present at this meeting are representatives of Casitas, the General Contractor and their superintendent, the subcontractors and their foreman or superintendents, whose presence is requested by the District.

- (e) Remove existing ceiling tiles and install new ceiling tiles or paint existing ceiling tiles.
- (f) Replace fluorescent lighting fixtures and install new controls.

All work, unless otherwise approved by Casitas, shall be completed during non District work hours. District's work hours are 8 am to 4:30 pm Monday through Friday.

4. Beginning and Completion of the Work. The Contractor shall begin the work within fifteen (15) calendar days after the execution date on the Notice-to-Proceed and shall complete all work within **fifteen (15) working days of work start date if Casitas chooses the painted ceiling tile option and twenty (20) working days if Casitas chooses to replace the ceiling tiles.** Failure to have the work completed within twenty two (22) working days shall result in predetermined liquidated damages of **\$500** per day.

5. Access to the Site and Haul Routes.

(a) The Contractor shall make his or her own investigation of the condition of the available public or private roads or other access, and of clearances, restrictions, bridge load limits, bond requirements and other limitation that affect or may affect transportation and ingress and egress at the job site. The unavailability of transportation facilities or limitation thereon shall not become a basis for claims for damages or extension of time for completion of work. It shall be the Contractor's responsibility to construct and maintain, at Contractor's own expense and at Contractor's own risk, any haul roads, access roads, bridges or drainage structures required by construction operations.

(b) Existing Public or Private Roads. The use of existing roads shall be at the Contractor's own expense and risk. It shall be the Contractor's responsibility to anticipate and meet all conditions properly imposed upon the use of existing roads by those having jurisdiction there over, including (without limitation of the generality of the foregoing) seasonal or other limitations or restrictions, the payment of excess size and weight fees, and the posting of bonds conditioned upon repair of road damage caused by contract-generated traffic. It shall be the Contractor's responsibility to satisfy all lawful demands for repair of damage to existing roads caused by contract-generated traffic and barricade public access to project sites.

(c) Haul Routes. The hauling of sand, gravel, earth materials or other intra-job hauling over public highways, roads or bridges shall be in compliance with the applicable local regulations and shall be such as to minimize interference with or congestion of local traffic.

(d) The Contractor shall provide worker training and follow-up reminders about traffic safety issues and restrictions to all employees and representatives from firms that will be traveling to the work site. Contractor shall promptly take corrective action, including forbidding the offending party from the work site, against parties found to be speeding on roads leading to the job site.

(e) Cost. The cost of all work described in this paragraph shall be included in the prices bid in the schedule for other items of work.

6. Contract Drawings. The Contractor's attention is directed to Section 2 of the General Conditions to these Specifications. When deemed necessary by the Engineer, additional detailed drawings will be furnished to the Contractor during the progress of the work. The Contractor will be furnished three

copies of the contract drawings and specifications. Additional copies may be purchased at the cost of reproduction.

The contract drawings are further identified as follows:

<u>Drawing Title</u>	<u>Casitas Drawing Number</u>
Lighting Retrofit Fixture Count	T1.0, E1.0-E6.1

7. Permits. The following permits are required:

(a) Safety Permit from California Division of Industrial Safety shall be required. Contractor's attention is directed to Sections 28 and 30 of Part B - General Conditions of these specifications.

8. Explosives and Blasting. The use of explosives on the work will not be permitted.

9. Water & Power. The Contractor will be required to make his or her own arrangements for water and power the Contractor may require during construction of the project. If water is obtained from existing District facilities, the water will be furnished free of charge, but Contractor shall install and subsequently remove at Contractor's expense, all temporary facilities required to obtain and use the water. Contractor may use, at no charge, the existing 110 V power supply within the building.

10. Construction Surveys. Reference is made to Section 34 of Part B. No construction survey or staking will be provided by the District.

11. Safety. The Contractor shall execute and maintain Contractor's work so as to avoid injury or damage to any person or property. The Contractor shall comply with the requirements of the specifications relating to safety measures applicable in particular operations or kinds of work.

In carrying out the Contractor's work, the Contractor shall at all times, exercise all necessary precautions for the safety of employees appropriate to the nature of the work and the conditions under which the work is to be performed, and be in compliance with all federal, state and local statutory and regulatory requirements including State of California, Division of Industrial Safety (Cal/OSHA) regulations. Safety precautions as applicable shall include, but not be limited to, adequate life protection, and life saving equipment; adequate illumination for underground and night operations; instructions in accident prevention for all employees; such machinery guards, safe walkways, scaffolds, ladders, bridges, gang planks, confined space procedures, trenching and shoring, and other safety devices, equipment and wearing apparel as are necessary or lawfully required to prevent accidents or injuries; traffic control per County of Ventura requirements; and adequate facilities for the proper inspection and maintenance of all safety measures.

The name and telephone number of at least one medical provider in the vicinity and the telephone number of the emergency service shall be prominently displayed adjacent to telephones.

12. Nonresidency at Job Site. The Contractor, their employees or any of their subcontractors shall not be permitted to remain at any of the job sites during non-working hours. The contractor shall be responsible for the safe storage and security of equipment, materials, and waste by-products used or produced during the course of work.

13. Coordination of Work. The Contractor shall coordinate Contractor's work with the District, material suppliers, manufacturers and subcontractors during the course of the work. The time limit, date and time of the shutdown must be coordinated and approved by the Casitas Project Manager.

14. Utility Shutdowns. No full utility shutdowns will be allowed for this project. The Contractor may shutdown the power within the work area only.

15. Shop Drawing Submittals.

(a) The Contractor shall review, mark with approval, and submit for review to the Engineer all shop drawings as listed below, as well as any additional submittals the Engineer may find necessary. Five (5) sets of shop drawings shall be submitted to the Engineer and be accompanied by a letter of transmittal listing the drawings submitted. As an alternative, the Contractor may submit the drawing electronically in an Adobe file. Drawings shall show the name of the project, the name of the Contractor, and if any, the names of the suppliers, manufacturers and subcontractors. Shop drawings shall be submitted with promptness and in an orderly sequence so as not to cause delay in prosecution of the work. By submitting shop drawings, the Contractor represents that the material, equipment and other work shown therein conforms to the plans and specifications, unless otherwise indicated in writing on the transmittal. Drawings required for manufactured equipment may be brochures or catalogue sheets but must show the necessary dimensions required for proper installation, operation, and maintenance of the equipment.

(b) The Engineer will, within two (2) weeks of submittal receipt, return three (3) of the copies or one (1) electronic copy to the Contractor with any comments thereon. If so noted by the Engineer, the Contractor shall correct the drawings and resubmit them in the same manner as specified for the original submittal. Shop drawings which are approved by the Engineer and will not require a resubmittal, shall be returned to the Contractor as, "Approved, No Exceptions Taken."

(c) The review of the Engineer is only of general conformance with the design concept of the project, and general compliance with the plans and specifications and shall not be construed as relieving the Contractor of the full responsibility for: providing materials, equipment, and work required by the Contract; the proper fitting and construction of the work; the accuracy and co-processes and techniques of construction; and performing the work in a safe manner.

(d) No portion of the work requiring a shop drawing submittal shall commence until the submittal has been reviewed by the Engineer and returned to the Contractor with a notation "Approved, No Exceptions Taken."

(e) Prior to District approval and commencement of construction, the Contractor shall submit to the District:

- (1) Work Schedule - Gant Chart or equivalent for schedule of work and order of precedence.
- (2) Light fixture, control and ceiling tile material and suppliers.

16. Materials.

(a) All parts and materials provided for construction of the project shall be new unless otherwise indicated.

(b) Paint for the ceiling tiles shall be latex interior paint, white in color. Approximate square footage of the ceiling area to be painted is 4300 square feet.

(c) New ceiling tiles shall be 2' by 2' glued (direct attached) to the existing hard pan ceiling after removal of the current tiles. The existing ceiling tiles and mastic have been tested for asbestos. The ceiling tiles test results showed no asbestos. The mastic did contain trace amounts of asbestos but was below the legal limit. The test results are attached to this specification.

(d) The ceiling tiles shall be similar to the recently installed drop ceiling in portions of the building and shall be Optima Capz by Armstrong or approved equal. Ceiling tiles shall be mold and mildew resistant and be washable. There are approximately 4300 square feet of ceiling tiles that would be replaced.

(e) All lighting systems shall be manufactured by Lithonia to match the LED fixtures in the rest of the building and shall be in accordance with the drawings and these specifications.

END OF PART C

## PART D

### MEASUREMENT AND PAYMENT

1. General. This section defines bid item prices and the manner in which they will be used to determine measurement and payment for all items included in the bid sheet.

2. Bid Item Prices Required.

(a) In the Bidding Sheet of the Proposal form, each Bidder shall quote unit prices for the appropriate items of work in the units stated in the Bidding Sheet form. Failure to quote on each unit price item may cause rejection of the Bidder's entire bid at the discretion of the District.

(b) The unit prices as described herein for those bid items which are bid on a lump sum basis shall be equivalent to the "amount" price. Only the "amount" price need be completed on the items which are specifically stated on the Proposal form in lump sum units.

(c) Unbalanced Prices. Proposed bid item prices which are so unbalanced as to be detrimental to the District's interests may be rejected or cause rejection of the Bidder's entire bid, at the discretion of the District.

(d) Costs Included. Each proposed bid item shall cover all costs and charges, including, without limitation, the cost of material, fabrication, delivery, installation or application, damage to structure before acceptance by District, supervision, bond and insurance charges, overhead, profit and taxes. Quoted unit prices shall be the exact amount per unit to be applied to the units of work actually provided for the purpose of establishing the payment due the Contractor.

(e) Quoted Bid Item. Prices accepted by the District shall be held good and in effect until the work is completed and accepted by the District, unless modified by change order.

3. Measurement and Payment

(a) This section defines the manner and method of measurement and payment for all items included in the contract.

(b) Compensation for all plants, equipment, tools, material, labor, service, permits and all other items required to complete the work in conformity with the contract documents will be included in the payment provided in this section, unless specifically excluded. No other compensation will be made except for the items listed in the bid sheet. Work for which no separate payment has been provided will be considered as a subsidiary obligation of the Contractor, and the cost therefore shall be included in the applicable contract price for the item to which the work applies. All measurements of work will be made by the Engineer.

4. Bid Items

(a) Bid Item No.1 –Paint original ceiling tiles on the top floor. Payment will be on a unit cost basis and shall include all costs to prepare the existing surface for paint, masking, removal of items not to



be painted, painting and miscellaneous items needed for complete coating of the original ceiling in accordance with the manufacturer's recommendations. The approximate area to be painted is 4200 square feet. Areas hidden by the current light fixtures, air diffusers and smoke detectors shall be painted.

(b) Bid Item No. 2 – Replace the light fixtures and install new light controls. Measurement shall be on a percent complete basis. Payment will be on a lump sum basis and shall include all costs to replace the light fixtures as specified in the plans, dispose of surplus materials and install the new light control system to provide a fully functional lighting system. The completed system shall be the same manufacturer and control system as the lighting system (Lithonia nLight with LED lamps and fixtures) in the Board Room and other areas of the building that were part of the recent remodeling project.

(c) Alternate Bid Item No.1 A–Remove and replace “glued on” ceiling tiles in the designated areas on the top floor, approximately 4200 square feet total. Replacement tiles shall be by Armstrong 2' x 2' as described in Part C or equivalent as determined by Casitas. Measurement shall be on a square foot basis. Payment will be on a unit cost basis and shall include all costs to remove the existing tiles, legally dispose of the removed tiles, prepare the surface for the new tiles, provide the new tiles and install the tiles in accordance with the manufacturer's recommendations.

5. Bid Items 1 and 1A shall be “stand alone” and shall contain all costs within the unit price to complete the item. The District will award the project based on either the combination of Bid Item 1 and 2 or the combination of Bid Item 2 and 1A. The District, at the District's sole discretion, shall determine which option is in the best interest of the District. The best interest of the District will be based on the combination that provides the best long term value for the District and not on cost alone.

END OF PART D

**CASITAS MUNICIPAL WATER DISTRICT**

**DISTRICT OFFICE FIXTURE COUNT**

<b>Area</b>	<b>2 x 2 surface mount</b>	<b>1 x 4 surface mount</b>	<b>2 x 4 surface mount</b>	<b>2 x 4 drop in</b>	<b>KAXW</b>
Engineering	3		9		
Engineering Vault		2			
Admin			9		
Admin Vault		2			
Lobby			3		
Upstairs Hall		6			
Clerk's Office			2		
Clerk's Closet			2		
HR Office			2		
GM Office			4		
Asst GM Office			4		
Asst GM Closet					
Men's Restroom	1				
Copier area			1		
Janitor closet					
Women's Restroom	1				
Women's RM ent	1				
Stairway	3				
Lab-Fisheries				6	
Lab-South				3	
Lab-North				5	
Exterior lights					3
<b>TOTAL</b>	<b>9</b>	<b>10</b>	<b>36</b>	<b>14</b>	<b>3</b>

# LIGHTING RETROFIT FOR CASITAS MUNICIPAL WATER DISTRICT

LOCATED AT  
1055 VENTURA AVE.  
OAK VIEW, CALIFORNIA 93022

## SHEET INDEX

- T1.0 TITLE SHEET
- E1.0 GENERAL NOTES, ABBREVIATIONS, & SYMBOLS, ETC.
- E1.1 GENERAL ELECTRICAL SPECIFICATIONS SHEET
- E1.2 TITLE 24 DOCUMENTS
- E2.0 BASEMENT AND FIRST FLOOR DEMOLITION PLAN
- E3.1 BASEMENT LIGHTING DEMOLITION PLAN
- E3.2 FIRST FLOOR LIGHTING DEMOLITION PLAN
- E4.0 LIGHTING CONTROL DATASHEETS
- E4.1 LIGHTING CONTROL DATASHEETS
- E5.0 LIGHTING CONTROL RISER DIAGRAM AND WIRING LEGEND
- E6.0 ELECTRICAL DETAILS
- E6.1 LIGHT FIXTURE DATA SHEETS

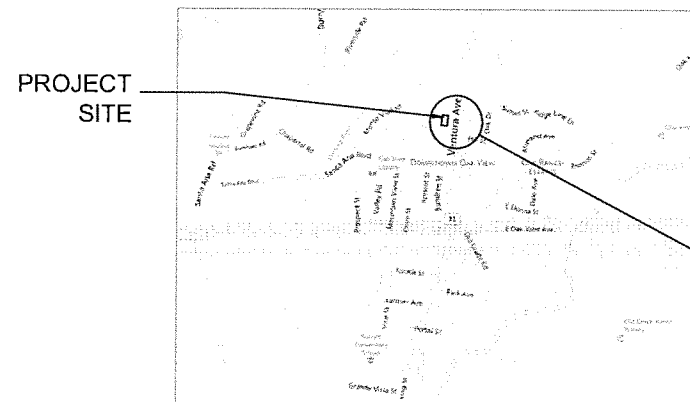
## SCOPE OF WORK

1. REPLACEMENT AND REWIRING OF NEW AND EXISTING FIXTURES AND ASSOCIATED SWITCHES UTILIZING MOTION SENSOR TECHNOLOGY.



PROJECT  
LOCATION

SITE PLAN




PROJECT  
LOCATION

VICINITY MAP



TT	
ITL	
D	
C	
U3	
U2	
U1	
A	
U3	
C	
D	
ITL	
TT	



**LIGHTING RETROFIT**  
**CASITAS MUNICIPAL WATER DISTRICT**  
 1055 VENTURA AVE  
 OAK VIEW, CA 93022

MARK	DATE	DESCRIPTION
	DATE: SEPTEMBER 26, 2014	
	CAD DWG FILE	
	DRAWN BY: CHA	
	CHKD BY: CH	
	SCALE: NA	
SHEET TITLE		
TITLE SHEET		
T1.0		





**CERTIFICATE OF COMPLIANCE (Page 3 of 4) LTG-1C**  
 Project Name: Casitas Municipal Water District Date: 01-17-13

**INDOOR LIGHTING SCHEDULE and FIELD INSPECTION ENERGY CHECKLIST**  
 Fill in controls for all spaces: a) area controls, b) multi-level controls, c) manual daylighting controls, for daylight areas > 150 ft<sup>2</sup>, automatic daylighting controls, for daylight areas > 2500 ft<sup>2</sup>, d) shut-off controls, e) display lighting controls, f) tailored lighting controls - general lighting controlled separately from display, ornamental and display case lighting and g) demand responsive automatic controls for retail stores > 30,000 ft<sup>2</sup>, in accordance with Section 151.

**MANDATORY LIGHTING CONTROLS- FIELD INSPECTION ENERGY CHECKLIST**

Type / Description	Number of Units	Location in Building	Special Features	Pass	Fail
MULTI-LEVEL SWITCHING	24	WHERE REQUIRED		<input type="checkbox"/>	<input type="checkbox"/>
OCCUPANCY SENSORS	10	OFFICES / CONFERENCE ROOMS		<input type="checkbox"/>	<input type="checkbox"/>

**SPECIAL FEATURES INSPECTION CHECKLIST (See Page 2 of 4 of LTG-1C)**  
 The local enforcement agency shall prepare a report on the results of the inspection. This report requires special controls, specifications and documentation and special enforcement. The local enforcement agency determines the adequacy of the jurisdiction, and may report a building or design. Maintenance records shall be the address of the special jurisdiction and documentation submitted.

Field Inspector's Notes or Discrepancies

**CERTIFICATE OF COMPLIANCE (Page 2 of 4) LTG-1C**  
 Project Name: Casitas Municipal Water District Date: 01-17-13

**INDOOR LIGHTING SCHEDULE and FIELD INSPECTION ENERGY CHECKLIST**

Installation Certificate, LTG-1-INST (Retain a copy and verify form is completed and signed.)  
 Certificate of Acceptance, LTG-2A (Retain a copy and verify form is completed and signed.)

The actual indoor lighting power listed below includes all installed permanent and portable lighting systems in accordance with 154(a).  
 Only for offices: Up to the first 2 watts per square foot of portable lighting shall not be required to be included in the calculation of a total indoor lighting power density in accordance with the Exception 1(b)(6). All portable lighting in excess of 2 watts per square foot is to be included.

Luminaire Schedule (Types, Lamps, Ballasts)	Installed Watts		Field 2 Inspector
	A	B	
Complete Luminaire Description (i.e., 3 lamp fluorescent troffer, F27A, one dimmable electronic ballast)	Special Features	Watts per Luminaire	
D1 LED RECESSED COMPACT SURFACE MOUNT	40	1600	
D2 75W INCANDESCENT TRACK	300	3000	
F1 2x4 LED SURFACE MOUNT VOLUMETRIC	43	1720	
F2 LED SURFACE MOUNT VOLUMETRIC	50	2000	
F3 2x4 LED RECESSED VOLUMETRIC	50	2000	
F4 2x2 LED SURFACE MOUNT VOLUMETRIC	32	1280	
F5 LED SURFACE MOUNT INDUSTRIAL	24	960	
F6 2x4 LED RELIGHT RETROFIT KIT	50	2000	
F7 2x2 LED RECESSED VOLUMETRIC	38	1520	

Building total number of pages: 1  
 Installed Watts Building Total: 8,461  
 (Sum of all pages)  
 Enter into LTG-1C Page 4 of 4

**LIGHTING MANDATORY MEASURES**

**BUILDING LIGHTING SHUT-OFF**  
 THE BUILDING LIGHTING SHUT-OFF SYSTEM CONSISTS OF AN AUTOMATIC TIME SWITCH, WITH A ZONE FOR EACH FLOOR.

**VERRIDE FOR BUILDING LIGHTING SHUT-OFF**  
 THE AUTOMATIC BUILDING SHUT-OFF SYSTEM IS PROVIDED WITH A MANUAL ACCESSIBLE OVERRIDE SWITCH IN SIGHT OF THE LIGHTS. THE AREA OF OVERRIDE IS NOT TO EXCEED 5,000 SF.

**AUTOMATIC CONTROL DEVICES CERTIFIED**  
 ALL AUTOMATIC CONTROL DEVICES SPECIFIED ARE CERTIFIED; ALL ALTERNATE EQUIPMENT SHALL BE CERTIFIED AND INSTALLED AS DIRECTED BY THE MANUFACTURER.

**FLUORESCENT BALLAST AND LUMINAIRES CERTIFIED**  
 ALL FLUORESCENT SUBJECT TO CERTIFICATION AND SPECIFIED FOR THE PROJECTS ARE CERTIFIED.

**INDIVIDUAL ROOM/AREA CONTROLS**  
 EACH ROOM AND AREA IN THIS BUILDING IS EQUIPPED WITH A SEPARATE SWITCH OR OCCUPANCY SENSOR DEVICE FOR EACH AREA WITH FLOOR-TO-CEILING WALLS.

**UNIFORM REDUCTION FOR INDIVIDUAL ROOMS**  
 ALL ROOMS AND AREAS GREATER THAN 100 SQUARE FEET AND MORE THAN 0.8 WATTS OF LIGHTING LOAD SHALL BE CONTROLLED WITH MULTI-LEVEL SWITCHING FOR UNIFORM REDUCTION OF LIGHTING WITHIN THE ROOM.

**DAYLIGHT AREA CONTROL**  
 ALL ROOMS THAT ARE GREATER THAN 250 SQUARE FEET AND CONTAIN WINDOWS AND SKYLIGHTS, THAT ALLOW FOR THE EFFECTIVE USE OF DAYLIGHT IN THE AREA SHALL HAVE 50 PERCENT OF THE LIGHTING POWER IN EACH DAYLIGHT AREA CONTROLLED BY A SEPARATE SWITCH OR

THE EFFECTIVE USE OF DAYLIGHT THROUGHOUT CANNOT BE ACCOMPLISHED BECAUSE THE WINDOWS ARE CONTINUOUSLY SHADDED BY A BUILDING ON THE ADJACENT LOT. DIAGRAM OF SHADING DURING DIFFERENT TIMES OF YEAR IS INCLUDED ON PLANS.

THE ABOVE NOTES ARE ONLY EXAMPLES OF WORDING. EACH MANDATORY MEASURE THAT REQUIRES A SEPARATE NOTE SHOULD BE LISTED ON THE PLANS.

**CERTIFICATE OF COMPLIANCE (Page 4 of 4) LTG-1C**  
 Project Name: Casitas Municipal Water District Date: 01-17-13

Conditioned and Unconditioned Space Lighting must not be combined for compliance

Indoor Lighting Power for Conditioned Spaces		Indoor Lighting Power for Unconditioned Spaces	
Installed Lighting (from Conditioned LTG-1C Page 2)	Watts	Installed Lighting (from Unconditioned LTG-1C Page 2)	Watts
9,830			
Lighting Control Credit (from LTG-2C)		Lighting Control Credit (from LTG-2C)	
Adjusted Installed Lighting Power		Adjusted Installed Lighting Power	
Complies if Installed - Allowed	I	Complies if Installed - Allowed	I
Allowed Lighting Power Conditioned Spaces (from LTG-1C)	10,180	Allowed Lighting Power Unconditioned Spaces (from LTG-1C)	

**Required Acceptance Tests**  
 Designer: This form is to be used by the designer and attached to the plans. Listed below is the acceptance test for the Lighting system, LTG-2A. The designer is required to check the acceptance test, and list all control devices serving the building or space shall be certified at meeting the Acceptance Requirements for Code Compliance. If all the lighting systems or control of a certain type requires a test, list the different lighting and the number of systems. The NA? Section in the Appendix of the Non-Residential Reference Appendix. If a test describes the test. Since this form will be part of the plans, completion of this section will allow the responsible party to budget for the scope of work appropriately. Forms can be grouped by type of luminaire controlled.

**Enforcement Agency:**  
 System Acceptance. Before Occupancy. Permit is granted for a newly constructed building or space or when over new lighting system with controls is installed in the building or space shall be certified at meeting the accepted Requirements. The LTG-2A form is not considered a complete form and is not to be accepted by the enforcement agency unless the boxes are checked and or filled and signed. In addition, a Certificate of Acceptance form shall be submitted to the enforcement agency that certifies plans, specifications, installation certificates, and operating and maintenance information meet the requirements of 24.161(b) of Title 24 Part 6. The field inspector must receive the properly filled out and signed forms before the building can receive final occupancy. A copy of the LTG-2A for each different lighting luminaire control(s) must be provided to the owner of the building for their records.

Equipment Required Testing	Description	Number of Lamps / Controls	Location	LTG-2A Controls and Sensors and Automatic Daylight Controls Accepted
OCCUPANCY SENSORS	CEILING/WALL MOUNT		ALL	<input type="checkbox"/>
PHOTO CELL	DAYLIGHT CONTROL		DAYLIGHT AREAS	<input type="checkbox"/>

**CERTIFICATE OF COMPLIANCE (Page 1 of 4) LTG-1C**  
 Project Name: Casitas Municipal Water District Date: 01-17-13

Project Address: 1055 Ventura Ave, Oak View, CA 93022  
 Climate Zone: 9 Building CTA: 11,977  
 Unconditioned Floor Area:

**General Information**  
 Building Type:  Nonresidential  High-Rise Residential  Hotel/Motel  
 Schools  Religious Public Schools  Conditioned Spaces  Unconditioned Spaces

Phase of Construction:  New Construction  Addition  Alteration  
 Method of Compliance:  Complete Building  Area Category  Tailored

**Documentation Author's Declaration Statement**  
 I certify that this Certificate of Compliance documentation is accurate and complete.

Name: Craig Hood Signature: \_\_\_\_\_  
 Company: C. Hood & Associates, Inc. Date: 01-17-13  
 Address: 858 Frost Street License #: E15392  
 City/State/Zip: Ventura, CA 93026 Phone: 805-641-4012

**PRINCIPAL LIGHTING DESIGNER'S DECLARATION STATEMENT**  
 I am eligible under Division 5 of the California Business and Professions Code to accept responsibility for the lighting design.  
 This Certificate of Compliance identifies the lighting features and performance specifications required for compliance with Title 24, Part 6 of the California Code of Regulations.  
 The design features represented on this Certificate of Compliance are consistent with the information provided to document this design on the other applicable compliance forms, worksheets, calculations, plans and specifications submitted to the enforcement agency for approval for this building permit application.

Name: Craig Hood Signature: \_\_\_\_\_  
 Company: C. Hood & Associates, Inc. Phone: 805-641-4012  
 Address: 858 Frost Street License #: E15392  
 City/State/Zip: Ventura, CA 93026 Date: 01-17-13

Lighting Mandatory Measures ON THIS SHEET  
 Indicate location on building plans of Mandatory Measures Note Block.

**LIGHTING COMPLIANCE FORMS & WORKSHEETS (check box if worksheet is included)**  
 For detailed instructions on the use of this and all Energy Efficiency Standards compliance forms, please refer to the Superintendent's Manual published by the California Energy Commission.

LTG-1C Pages 1 through 4 Certificate of Compliance. All Pages required on plans for all submissions.  
 LTG-2C Lighting Controls Credit Worksheet  
 LTG-3C Indoor Lighting Power Allowance  
 LTG-4C Pages 1 through 4 Tailored Method Worksheet  
 LTG-5C Pages 1 and 2 Line Voltage Track Lighting Worksheet

**INDOOR LIGHTING POWER ALLOWANCE LTG-3C**  
 Project Name: Casitas Municipal Water District Date: 01-17-13

**ALLOWED LIGHTING POWER (Choose One Method)**  
 A separate LTG-3C must be filled out for Conditioned and Unconditioned Spaces. Indoor Lighting Power Allowance listed on this page are only for:  CONDITIONED SPACES  UNCONDITIONED SPACES

**COMPLETE BUILDING METHOD**

BUILDING CATEGORY (from Table 146-F)	WATTS PER (F1)	COMPLET BLDG. AREA (F2)	ALLOWED WATTS (F3)
Office Building	0.85	11,977	10,180
TOTALS		11,977	10,180

**AREA CATEGORY METHOD - Part A**

AREA CATEGORY (from Table 146-F)	WATTS PER (F1)	AREA (F2)	ALLOWED WATTS
TOTALS			

**AREA CATEGORY METHOD - Part B** Additional Wattage Allowance (from Table 146-F Footnotes)

A	B	C	D	E	F	G
Primary Function	Sq Ft	Additional Watts Per ft <sup>2</sup> Allowed	Wattage Allowance (B x C)	Description(s) and Quantity of Special Luminaire Types in each Primary Function area	Total Design Watts	ALLOWED WATTS Smaller of B or F
TOTALS	Enter into Area Category Method - Part B (table above)					

1. Additional watts available only when allowed according to the footnotes on bottom of Table 146-F for chandelier or sconce, art, craft, assembly or manufacturing specialized task work; precision commercial industrial work; or lab specialized task work.  
 2. Special luminaires are light fixtures described in the Table 146-F Footnotes that are subject to an additional wattage allowance.

**TAILORED METHOD**  
 Total Allowed Watts using the Tailored Method taken from LTG-4C (Page 1 of 4) Row 3  
 The indoor lighting power allowance using the Tailored Method of compliance shall be determined using the LTG-4C set of forms. A separate set of LTG-4C forms shall be filled out for CONDITIONED and UNCONDITIONED spaces.

STAMP

STAMP

CASITAS Municipal Water District

1055 VENTURA AVE  
 OAK VIEW, CA 93022

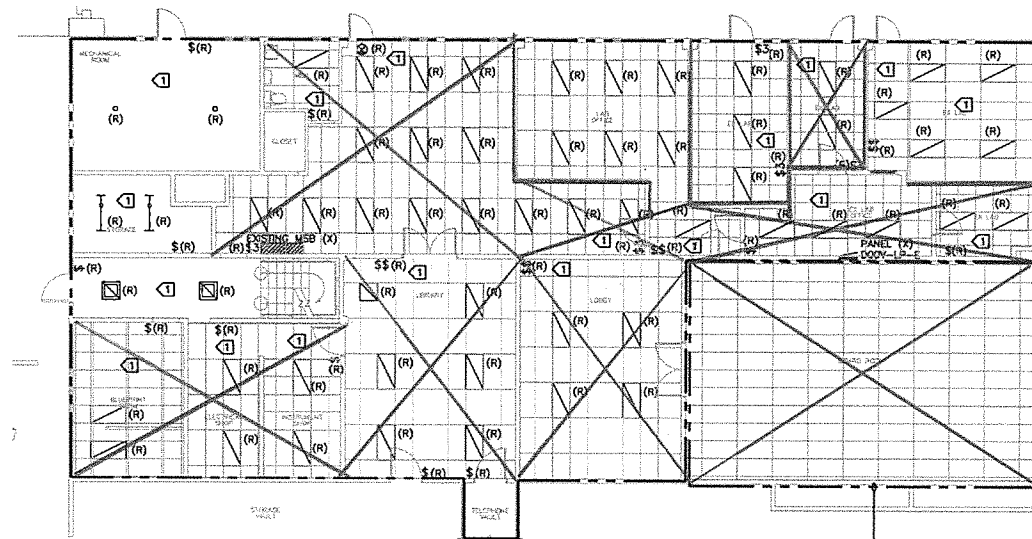
LIGHTING RETROFIT  
 CASITAS MUNICIPAL WATER DISTRICT

DATE: SEPTEMBER 26, 2014  
 CAD DWG FILE  
 DRAWN BY: CHA  
 CHECKED BY: CH  
 SCALE: NA

SHEET TITLE

TITLE 24 INDOOR DOCUMENTS

E1.2

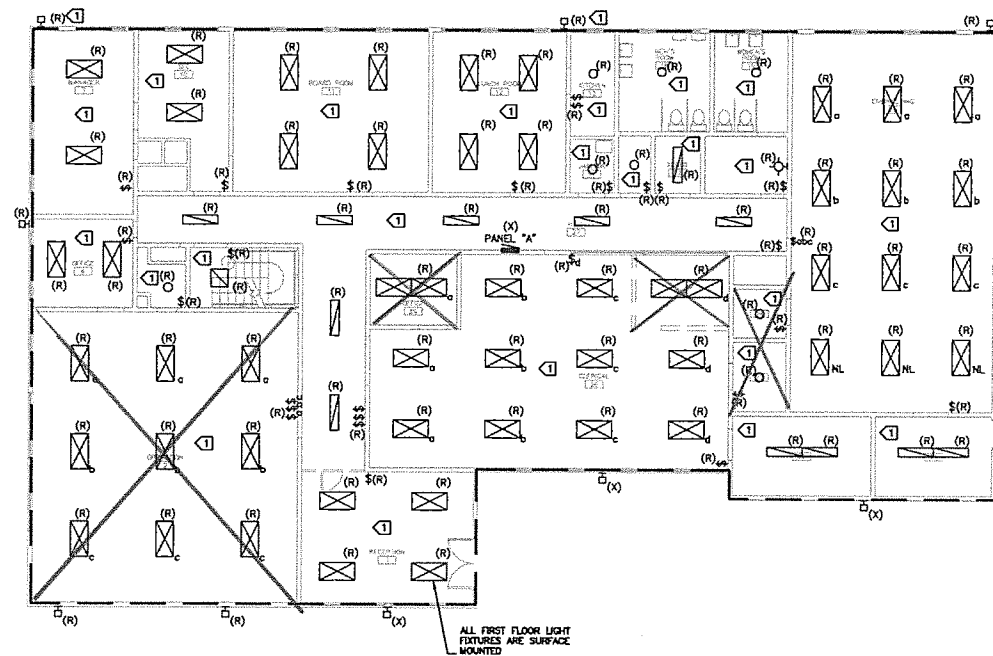


**NOTE:**  
DEMOLITION PROJECT AREA. CONTRACTOR SHALL FIELD VERIFY & REMOVE EXISTING LIGHTING FIXTURES AND SWITCHES FROM DEMOLITION AREAS UNLESS OTHERWISE NOTED TO BE PROTECTED IN PLACE. PREPARE AREA TO RECEIVE NEW WORK AS INDICATED ON PLANS.

**NOTE:**  
CONTRACTOR SHALL INCLUDE IN BID PROPOSAL ALL COSTS REQUIRED TO RE-SUPPORT ALL ABOVE CEILING ELECTRICAL SYSTEMS, RACEWAYS, BOXES, WIRING, ETC. IN COMPLIANCE WITH CURRENT CEC REQUIREMENTS. IN MANY OF THE PROJECT AREA ABOVE CEILING CONDITIONS THE EXISTING ELECTRICAL SYSTEMS ARE UNSUPPORTED AND IN VIOLATION OF CEC SUPPORT REQUIREMENTS. CONTRACTOR SHALL INCLUDE THE COSTS REQUIRED TO SUPPORT ALL ELECTRICAL SYSTEMS, BOTH NEW & EXISTING, PER CEC REQUIREMENTS. CONTRACTOR SHALL FIELD VERIFY ABOVE CEILING CONDITIONS PRIOR TO SUBMITTING BID PROPOSAL.

**NOTE:**  
LIGHTING IN MEETING IS BEING REPLACED UNDER SEPARATE PROJECT - PROTECT IN PLACE

**1 BASEMENT LIGHTING DEMOLITION PLAN**  
SCALE: 1/8" = 1'-0"



**NOTE:**  
DEMOLITION PROJECT AREA. CONTRACTOR SHALL FIELD VERIFY & REMOVE EXISTING LIGHTING FIXTURES AND SWITCHES FROM DEMOLITION AREAS UNLESS OTHERWISE NOTED TO BE PROTECTED IN PLACE. PREPARE AREA TO RECEIVE NEW WORK AS INDICATED ON PLANS.

**NOTE:**  
CONTRACTOR SHALL INCLUDE IN BID PROPOSAL ALL COSTS REQUIRED TO RE-SUPPORT ALL ABOVE CEILING ELECTRICAL SYSTEMS, RACEWAYS, BOXES, WIRING, ETC. IN COMPLIANCE WITH CURRENT CEC REQUIREMENTS. IN MANY OF THE PROJECT AREA ABOVE CEILING CONDITIONS THE EXISTING ELECTRICAL SYSTEMS ARE UNSUPPORTED AND IN VIOLATION OF CEC SUPPORT REQUIREMENTS. CONTRACTOR SHALL INCLUDE THE COSTS REQUIRED TO SUPPORT ALL ELECTRICAL SYSTEMS, BOTH NEW & EXISTING, PER CEC REQUIREMENTS. CONTRACTOR SHALL FIELD VERIFY ABOVE CEILING CONDITIONS PRIOR TO SUBMITTING BID PROPOSAL.

**2 FIRST FLOOR LIGHTING DEMOLITION PLAN**  
SCALE: 1/8" = 1'-0"

**DEMOLITION NOTES**

- SCOPE OF WORK:
  - PROVIDE AND PERFORM DEMOLITION, PREPARATORY AND MISCELLANEOUS WORK IN AREAS AS INDICATED AND SPECIFIED.
  - COMPLETE DEMOLITION AND REMOVAL OF EXISTING ELECTRICAL CONDUIT, WIRING AND EQUIPMENT REQUIRED TO COMPLETE THE PROJECT.
  - PREPARATION OF THE EXISTING BUILDING TO RECEIVE OR CONNECT THE NEW WORK.
  - MISCELLANEOUS DEMOLITION, CUTTING, ALTERATION, AND REPAIR WORK ON EXISTING SITE AND IN THE EXISTING BUILDING NECESSARY FOR THE COMPLETION OF THE ENTIRE PROJECT.
  - DISCONNECTING AND RECONNECTION OF ELECTRICAL EQUIPMENT AS REQUIRED BY THE CONSTRUCTION MODIFICATIONS.
- EXISTING CONDITIONS PRIOR TO BID MAKE A DETAILED SURVEY OF THE EXISTING CONDITIONS PERTAINING TO THE WORK. CHECK THE LOCATIONS OF ALL EXISTING STRUCTURES, EQUIPMENT AND WIRING (BRANCH CIRCUITING AND CONTROLS). CHECK FOR ANY HAZARDOUS MATERIALS WHICH MAY REQUIRE SPECIAL HANDLING.
- SALVAGE AND DISPOSAL: ALL REMOVED MATERIAL OTHER THAN ITEMS TO BE REUSED SHALL BE RETURNED TO THE OWNER OR DISPOSED OF IN ACCORDANCE WITH INSTRUCTIONS FROM THE OWNER'S REPRESENTATIVE. DISPOSAL SHALL BE DONE IN ACCORDANCE WITH EPA AND GOVERNING BODY REQUIREMENTS AND REGULATIONS. CONTRACTOR SHALL PAY ALL FEES AND CHARGES FOR DISPOSAL.
- TWO WEEKS PRIOR TO START OF ANY WORK CONTRACTOR SHALL SCHEDULE ALL WORK AND ELECTRICAL SYSTEM OUTAGES WITH OWNER'S WRITTEN APPROVAL.
- PROTECT ALL EXISTING POWER, MOTORS AND RELATED EQUIPMENT, ALARM SYSTEM, LIGHTING AND CONTROL SYSTEMS AND TELEPHONE EQUIPMENT IN PLACE UNLESS OTHERWISE NOTED.
- CONTRACTOR SHALL LEAVE ALL POWER AND SIGNAL CIRCUITS ENERGIZED, IN A JUNCTION BOX TO DEVICES IN AREAS OUTSIDE OF DEMOLITION AREA EVEN IF SYSTEMS ARE ROUTED THROUGH DEMOLITION AREA.
- CONTRACTOR SHALL FIELD VERIFY LOCATION OF ALL UNDERGROUND UTILITIES PRIOR TO ANY TRENCHING. CONTRACTOR SHALL PROTECT ALL EXISTING / REMAINING UNDERGROUND UTILITY SYSTEMS IN PLACE. CONTRACTOR SHALL REPAIR ANY UTILITY SYSTEM DAMAGE DURING CONSTRUCTION.
- CONTRACTOR SHALL VERIFY & PROVIDE ALL RELOCATION OR DEMOLITION OF ALL ELECTRICAL SYSTEMS AS NECESSARY TO PREPARE AREA TO RECEIVE NEW WORK. CONTRACTOR SHALL PLACE ALL ELECTRICAL SYSTEMS NOT AFFECTED BY DEMOLITION BUT WHICH ROUTE THROUGH PROJECT AREA.

**MINOR ELECTRICAL DEMOLITION FOR REMODELING**

- EXAMINATION
  - OBTAIN RECORD DRAWINGS / AS-BUILTS FROM OWNER. VERIFY FIELD MEASUREMENTS AND CIRCUITING ARRANGEMENTS ARE AS SHOWN ON RECORD DRAWINGS.
  - VERIFY THAT ABANDONED WIRING AND EQUIPMENT SERVE ONLY ABANDONED FACILITIES.
  - DEMOLITION DRAWINGS ARE BASED ON CASUAL FIELD OBSERVATION AND EXISTING RECORD DOCUMENTS. REPORT DISCREPANCIES TO OWNER AND ARCHITECT/ENGINEER BEFORE DISTURBING EXISTING INSTALLATION.
  - INSPECTION OF DEMOLITION MEANS INSTALLER ACCEPTS EXISTING CONDITIONS.
- PREPARATION
  - DISCONNECT AND MAKE SAFE ALL ELECTRICAL SYSTEMS IN WALLS, FLOORS, AND CEILINGS SCHEDULED FOR REMOVAL.
  - COORDINATE UTILITY SERVICE OUTAGES WITH UTILITY COMPANY AND OWNER'S REPRESENTATIVE.
  - PROVIDE TEMPORARY WIRING AND CONNECTIONS TO MAINTAIN REQUIRED EXISTING SYSTEMS IN SERVICE. CONSTRUCTION WHEN WORK MUST BE PERFORMED ON ENERGIZED EQUIPMENT OR CIRCUITS, USE PERSONNEL EXPERIENCED IN SUCH OPERATIONS.
  - EXISTING ELECTRICAL SERVICE: MAINTAIN EXISTING SYSTEM IN SERVICE. DISABLE SYSTEM ONLY TO MAKE SWITCH-OVERS AND CONNECTIONS. OBTAIN PERMISSION FROM OWNER AT LEAST 72 HOURS BEFORE INITIALLY OR COMPLETELY DISABLE SYSTEM. MINIMIZE OUTAGE DURATION. MAKE TEMPORARY CONNECTIONS TO MAINTAIN SERVICE IN AREAS ADJACENT TO WORK AREA WHEN OUTAGE AFFECTS BUSINESS OPERATIONS.
  - EXISTING FIRE ALARM SYSTEM: MAINTAIN EXISTING SYSTEM IN SERVICE.
  - EXISTING TELEPHONE SYSTEM: MAINTAIN EXISTING SYSTEM IN SERVICE.
  - EXISTING SECURITY SYSTEM: MAINTAIN EXISTING SYSTEM IN SERVICE.
- DEMOLITION AND EXTENSION OF EXISTING WORK
  - DEMOLISH AND EXTEND EXISTING ELECTRICAL WORK UNDER PROVISIONS OF THIS SECTION.
  - REMOVE, RELOCATE, AND EXTEND EXISTING INSTALLATIONS TO ACCOMMODATE NEW CONSTRUCTION.
  - REMOVE ABANDONED WIRING TO SOURCE OF SUPPLY AND RE-LABEL DEVICES AS SPARE.
  - REMOVE EXPOSED ABANDONED CONDUIT, INCLUDING ABANDONED CONDUIT ABOVE ACCESSIBLE CEILING FINISHES. CUT CONDUIT FLUSH WITH WALLS AND FLOORS, AND PATCH SURFACES.
  - DISCONNECT AND REMOVE ELECTRICAL DEVICES AND EQUIPMENT SERVING UTILIZATION EQUIPMENT THAT HAS BEEN REMOVED.
  - DISCONNECT AND REMOVE ABANDONED LUMINAIRES. REMOVE BRACKETS, STEMS, HANDLES, AND OTHER ACCESSORIES.
  - DISCONNECT AND REMOVE ABANDONED CONDUIT.
  - REPAIR ADJACENT CONSTRUCTION AND FINISHES DAMAGED DURING DEMOLITION AND EXTENSION WORK.
  - MAINTAIN ACCESS TO EXISTING ELECTRICAL INSTALLATIONS WHICH REMAIN ACTIVE. MODIFY INSTALLATION OR PROVIDE ACCESS PANEL AS APPROPRIATE.
  - EXTEND EXISTING INSTALLATIONS USING MATERIALS AND METHODS COMPATIBLE WITH EXISTING ELECTRICAL INSTALLATIONS, AND IN COMPLIANCE WITH NEW PROJECT SPECIFICATIONS.
  - MODIFY EXISTING AS-BUILT DRAWINGS TO NOTE CHANGES.
- CLEANING AND REPAIR
  - CLEAN AND REPAIR EXISTING MATERIALS AND EQUIPMENT WHICH REMAIN OR ARE TO BE REUSED.
  - PANELBOARD: CLEAN EXPOSED SURFACES AND CHECK TIGHTNESS OF ELECTRICAL CONNECTIONS. REPLACE DAMAGED CIRCUIT BREAKERS AND PROVIDE CLOSURE PLATES FOR VACANT POSITIONS. PROVIDE TYPED CIRCUIT DIRECTORY SHOWING REVISED CIRCUITING ARRANGEMENT.
- INSTALLATION
  - INSTALL RELOCATED MATERIALS AS REQUIRED BY THIS SECTION AND OWNER'S REPRESENTATIVE.

**KEY NOTES**

1. PROTECT EXISTING LIGHTING BRANCH CIRCUIT(S) IN PLACE FOR RE-CONNECTION OF NEW LIGHTING FIXTURES.

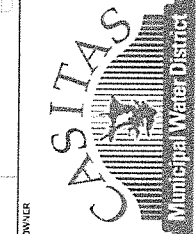
2. AREA NOT IN CONTRACT

DEMOLITION LEGEND	
(X)	EXISTING TO REMAIN, PROTECT IN PLACE.
(R)	REMOVE EXISTING LIGHTING OR DEVICE. PREPARE BRANCH CIRCUIT AREA TO RECEIVE NEW LIGHTING OR DEVICE.



STAMP

STAMP



OWNER

**LIGHTING RETROFIT  
CASITAS MUNICIPAL WATER DISTRICT**  
1055 VENTURA AVE  
OAK VIEW, CA 93022

MARK	DATE	DESCRIPTION
	DATE: SEPTEMBER 26, 2014	
	CAD DWG FILE	
	DRAWN BY: CHA	
	CHKD BY: CH	
	SCALE: 1/8" = 1'-0"	

SHEET TITLE

LIGHTING  
DEMOLITION PLANS

**E2.0**

nLIGHT SYSTEM NOTES

General Information

1. A group of devices in a room or area that are delay-timed wired together with CSE-1(A) cabling and function together to control that particular space's lighting. Devices can be wired in any order. Power for devices and communication may be supplied locally from power/relay packs (RFP-16) and/or power supplies (RPS-150).
2. Backbone: The communication network consisting of bridges (RSC-1, Transmitters (RTR-20), and a single Gateway (GTY) which interconnects nLight zones to the Senseless software (required for remote programming/updates). Bridges and Transmitter devices also supply power for zones without local power/relay packs or power supplies.
3. Bridge (RSC-1): A device used to hub several zones together. Bridges interconnect using either CSE-1(A) with other Bridges, or a Gateway (GTY) to form a network backbone. Bridges also supply power to downstream zones that do not generate local power.
4. Gateway (GTY): The device in an nLight network that connects to the building's Ethernet (and eventually the computer running the Senseless software). One Gateway is required per 400 devices. Required on Ethernet drops.
5. Note: A form for any nLight toggle switch, driver switch, or scene controller. All nLight devices have model numbers that start with "nLIC".

Design Notes

1. One relay is needed per circuit to be controlled and can reside with sensors, WallPac, or Relay Packs. Power/Relay Packs (RFP-16) have been specified where load size can not be determined (as opposed to RPS-150/200W maximum rated relay co-located inside sensors or WallPacs). Power Pack placement on drawings is for mounting only. Final placement to be at discretion of contractor/owner. Please refer to notes to verify the number of relays needed to switch all desired loads.
2. Bridges and sensors on drawings were placed with information provided at time of design. Additional bridges and/or sensors may be required depending on building changes, final partition height/placement, hardware placement, equipment height/placement and shading height/placement.
3. The layout of the network backbone (Bridges and Gateways) has been placed in a separate line drawing and not on the actual layout. Final placement of the Bridge(s) and Gateway(s) devices shall be at the discretion of contractor/owner.
4. All devices have RJ-45 Female ports. Bridging CSE-1(A) cables with T568B like terminations is required. It is imperative that all CSE-1(A) cables be tested with a LAN Cable Tester to verify proper terminations.
5. Computer for loading Senseless software.
6. Sensors in electrical/mechanical locations need to be verified with authority having jurisdiction (NEC 110.28.D) illumination. Illumination shall be provided for all working areas around service equipment, substations, panel rooms, or motor control centers installed indoors. Additional light outlets shall not be required where the work area is illuminated by an adjacent light source or a permitted by 2017 IBC(1). Exception No. 1, for switches accessible to electrical equipment rooms the illumination shall not be controlled by automatic means only.
7. For more information regarding the nLight system or installation, go to [www.senselighting.com/nlight/faq](http://www.senselighting.com/nlight/faq).

nLIGHT ABBREVIATION

SENSOR FEATURE OPTIONS		WALL SWITCH/PACK COLOR OPTIONS	
ABBREVIATION	DEFINITION	ABBREVIATION	DEFINITION
ADC	AUTOMATIC DIMMING CONTROL	N	NOCT
D	MANUAL DIMMING CONTROL	CR	CREY
DK	MANUAL DIMMING CONTROL	WH	WHITE
DZ	DUAL ZONE	AL	ALMOND
LV	LOW VOLTAGE	SENSOR ACCESSORIES	
LT	LOW TEMP	NONE	DEFINITION
ML	MOUSE LIGHT	WV BR	WIDE VIEW CEILING MOUNTING BRACKET
P	PHOTOCELL	F81	DEEP FEATURE BRACKET
PDT	PASSIVE DUAL TECHNOLOGY	F82	DEEP FEATURE BRACKET WITH HARDWARE
RF	RADIO FREQUENCY		
V	VANOL RESISTANT		
2P	2 POLE		
347	347 VOLT		
4	4 FOOT		
8	8 FOOT		
400	400 VOLT		

nLIGHT DEVICE LEGEND

- nLIC-01 [COLOR] 1 Channel On/Off Toggle With Dimming
- nLIC-02 [COLOR] 2 Channel On/Off Toggle
- nLIC-03 [COLOR] 4 Channel On/Off Toggle
- nLIC-04 [COLOR] 4 Channel On/Off Toggle
- nLIC-05 [COLOR] Wall Switch Decorator Sensor-Passive Infrared (PIR), Low Voltage
- nLIC-06 [COLOR] Wall Switch Decorator Sensor-Passive Infrared (PIR), Low Voltage, Radio/Lower Dim Control
- nLIC-07 [COLOR] Wall Switch Decorator Sensor-Passive Infrared (PIR), Low Voltage, Radio/Lower Dim Control
- nLIC-08 Extended Range 300° Sensor-Calling Mount, Low Voltage, Passive Infrared (PIR)
- nLIC-09 Standard Range 300° Sensor-Calling Mount, Low Voltage, Dual Technology (DT)
- nLIC-10 Standard Range 300° Sensor-Calling Mount, Low Voltage, Dual Technology (DT), Protocol n/ Clearing
- nLIC-11 Night Dimmed Fixture
- nLIC-12 Power/Relay Pack: 16A 120/277 VAC
- nLIC-13 nLIC-13 AC Secondary Relay Pack w/ Electronic Reverse Phase Control Dimming: 4 Amps 500W/1200W; Non Inductive Loads
- nLIC-14 Automatic Dimming Control Protocol-Calling Mount, Low Voltage
- nLIC-15 Automatic Dimming Control Protocol - Calling Mount, Low Voltage, Dual Zone

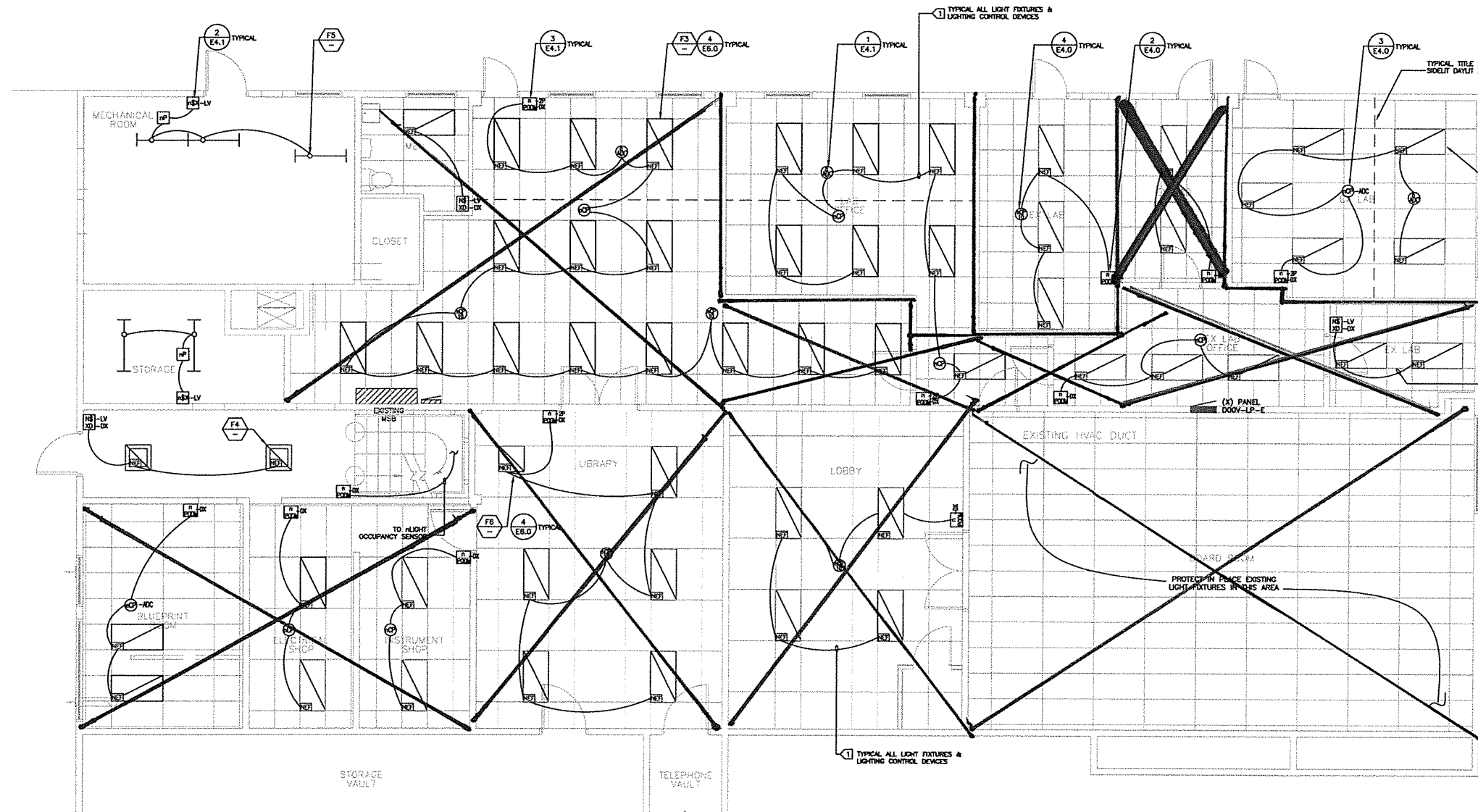
- NOT IN CONTRACT (NIC)

SHEET NOTES

1. CONTRACTOR SHALL VERIFY LOCATION, CEILING TYPE, TRIM, AND REQUIREMENTS OF ALL LIGHT FIXTURES AND CONTROL PRIOR TO BID PROPOSAL, ROUGH-IN, AND FINISH INSTALLATION.
2. CONTRACTOR SHALL, IN ROUTING ALL CIRCUITS, INCREASE CONDUCTOR & CONDUIT SIZE TO ALLOW FOR VOLTAGE DROP SHOULD THE CONTRACTOR EXCEED ROUTING INDICATED ON DRAWING. ENGINEER OF RECORD MUST BE NOTIFIED PRIOR TO ANY DEVIATIONS FROM APPROVED PLAN CHECK (PERMIT SET) DRAWINGS.
3. CONTRACTOR SHALL FURNISH AND INSTALL PULL BOXES AS REQUIRED TO INSTALL CONDUCTORS PER CONDUCTOR MANUFACTURERS RECOMMENDATIONS FOR THE NATIONAL ELECTRICAL CODE AND PER LOCAL AUTHORITIES HAVING JURISDICTION.
4. 3/4" CONDUIT MINIMUM UNLESS OTHERWISE NOTED.
5. ALL LIGHTING FIXTURES SHALL BE SECONDARILY SUPPORTED WITH SAFETY CABLES, PROVIDED BY CONTRACTOR.
6. VERIFY LOCATION OF ALL DEVICES ON ARCHITECTURAL PLANS.
7. MAINTAIN A MAXIMUM 2% VOLTAGE DROP ON ALL LIGHTING HOMERUNS.
8. ALL OUT BOXES ARE +1/2" TO CENTER LINE OF FIXTURE ABOVE DOOR FRAME UNLESS OTHERWISE NOTED.
9. CONTRACTOR SHALL PROVIDE ALL BACKING, BRACKETS, SUPPORTS, AND MOUNTING HARDWARE NECESSARY TO PROPERLY INSTALL LIGHTING FIXTURES.
10. VERIFY THE EXACT ROUTING OF ALL EXPOSED CONDUIT WITH OWNER PRIOR TO INSTALLATION.
11. COORDINATE WORK WITH OTHER TRADES. OBTAIN ALL DRAWINGS THAT WILL REQUIRE COORDINATION AND PROVIDE ALL ELECTRICAL CONNECTIONS, DEVICES, AND WIRING REQUIRED WHETHER SHOWN ON ELECTRICAL DRAWINGS OR NOT.
12. PROVIDE CODE SIZED EQUIPMENT GROUNDING CONDUCTOR IN ALL LIGHTING SYSTEM CONDUITS.
13. ALL LIGHTING FIXTURES, EXCEPT EMERGENCY, SHALL BE CONTROLLED BY CONTRACTOR PROVIDED AUTOMATIC LIGHTING CONTROL SYSTEM AS REQUIRED BY STATE OF CALIFORNIA TITLE 24 REGULATIONS.

KEY NOTES

1. CONNECT ALL LIGHT FIXTURES, SWITCHES, DIMMER, OCCUPANCY SENSOR, ETC. WITH CAT 5 nLIGHT SYSTEM CONTROL CABLE. SEE LIGHTING CONTROL RISER DIAGRAM & WIRING LEGEND ON SHEET E-3.0. TYPICAL TO ALL DATA CONNECTIONS FOR nLIGHT ENABLED FIXTURES, RANGE SENSORS, SWITCHES, POWER PACK, ETC. FOR A COMPLETE AND OPERATIONAL nLIGHT LIGHTING CONTROL SYSTEM.



1 BASEMENT nLIGHT LIGHTING CONTROL PLAN  
SCALE: 1/4" = 1'-0"

STAMP

STAMP

OWNER

**LIGHTING RETROFIT**  
**CASITAS MUNICIPAL WATER DISTRICT**  
1055 VENTURA AVE  
OAK VIEW, CA 93022

MARK	DATE	DESCRIPTION
	SEPTEMBER 26, 2014	CAD DWG FILE
		DRAWN BY: CHA
		CHECKED BY: CH
		SCALE:
		SHEET TITLE:

**BASEMENT LIGHTING PLAN**

**E3.0**



nLIGHT SYSTEM NOTES

- nLIGHT SYSTEM NOTES**
- System Architecture**
- Zone: A group of devices in a room or area that are delay-timed and wired together with CAT-5(e) cabling and function together to control that particular space's lighting. Devices can be wired in any order. Power for devices and communication may be supplied locally from power/relay packs (RFP-1) and/or power supplies (RPS-10).
  - Architecture: The communication network consisting of Bridge (BP-2), Transceivers (T-200-205), and a single Gateway (GWT) which interconnects all zones to the Serverless system (required for remote programming/control). Bridge and Transceiver devices also supply power for zones without local power/relay packs or power supplies.
  - Bridge (BP-2): A device used to join several zones together. Bridges interconnect using other CAT-5(e) with other Bridges, or a Gateway (GWT) to have a network backbone. Bridges also supply power to downstream zones that do not generate local power.
  - Gateway (GWT): The device in an nLIGHT network that connects to the building's Ethernet (and eventually the computer network). The Gateway is needed per GWT. Bridges are needed on Ethernet drop.
  - Relay Pack: A form for any nLIGHT toggle switch, dimmer switch, or scene controller. All nLIGHTs have model numbers that start with "RFP".
- Device Notes**
- One relay is needed per circuit to be controlled and can reside within sensors, Relays, or Relay Packs. Power/Relay Packs (RFP-1) have been specified where load size can not be determined (as opposed to RPS/1200W maximum rated relay co-located inside sensors or Relays). Power Pack placement on drawings is for location only. Final placement is up to discretion of contractor/engineer. Please include counts to verify the number of relays needed to match all desired loads.
  - Bridges and sensors on drawings were placed with information provided at time of design. Additional Bridges and/or sensors may be required depending on building changes, final partition height/placement, furniture placement, equipment height/placement and shelving height/placement.
  - The layout of the network backbone (Bridge and Gateway) has been placed in a separate tree diagram and not on the actual layout. Final placement of the Bridge(s) and Gateway(s) devices shall be at the contractor/engineer's discretion.
  - All devices have RJ-45 Female ports. Wiring CAT-5(e) cables with T568B Male terminations is required. It is imperative that all CAT-5 cables be tested with a LAN Cable Tester to verify proper termination.
  - Computer for loading Serverless software.
  - Sensors in electrical/mechanical locations need to be verified with authority having jurisdiction (IEC 110.20.2) illumination. Illumination shall be provided for all working space about service equipment, multiboards, panel boards, or motor control centers installed indoors. Additional light outlets shall not be required where the work area is illuminated by an adjacent light source as permitted by 2017 IBC(K) Exception No. 1, for unshielded receptacles. In electrical equipment rooms the illumination shall not be controlled by automatic means only.
  - For more information regarding the nLIGHT system or installation, go to [www.nlight.com/nlight/faq](http://www.nlight.com/nlight/faq).

nLIGHT DEVICE ABBREVIATION

SENSOR FEATURE OPTIONS			WALL SWITCH/POD COLOR OPTIONS		
ABBREVIATION	DESCRIPTION	ABBREVIATION	DESCRIPTION	ABBREVIATION	DESCRIPTION
ACC	AUTOMATIC DIMMING CONTROL	N	NAVY		
D	MANUAL DIMMING	CY	CYBER		
EX	MANUAL DIMMING CONTROL	WH	WHITE		
EX	DUAL ZONE	AL	ALMOND		
LV	LOW VOLTAGE				
LT	LOW TEMP				
RL	NIGHT LIGHT	SW BR	WIDE WING CEILING MOUNTING BRACKET		
P	PHOTOCELL	FB	DEEP FEATURE BRACKET		
PST	PASSIVE DUAL TECHNOLOGY	FBZ	DEEP FEATURE BRACKET WITH HARDWARE		
RF	RADIO FREQUENCY				
Y	WIND RESISTANT				
2P	2 POLE				
347	347 VOLT				
E	E POLE				
8	8 POLE				
400	400 VOLT				

nLIGHT DEVICE LEGEND

- RFP-EX: nLIGHT EX (COLOR) 1 Channel On/Off Toggle With Dimming
- RFP-2P: nLIGHT 2P (COLOR) 2 Channel On/Off Toggle
- RFP-4P: nLIGHT 4P (COLOR) 4 Channel On/Off Toggle
- RFP-LV: nLIGHT LV (COLOR) Wall Switch Decora/Slider Sensor-Passive Infrared (PIR), Low Voltage
- RFP-LT: nLIGHT LT (COLOR) Wall Switch Decora/Slider Sensor-Passive Infrared (PIR), Low Voltage, Range/Lower Dim Control
- RFP-RL: nLIGHT RL (COLOR) Wall Switch Decora/Slider Sensor-Passive Infrared (PIR), Low Voltage, Range/Lower Dim Control
- RFP-10: Extended Range 300° Sensor-Calling Mount, Low Voltage, Passive Infrared (PIR)
- RFP-3: Standard Range 300° Sensor, Calling Mount, Low Voltage, Dual Technology (DT)
- RFP-2: Standard Range 300° Sensor, Calling Mount, Low Voltage, Dual Technology (DT)
- RFP-ACC: nLIGHT ACC: Automatic Dimming Control Photocell-Calling Mount, Low Voltage
- RFP-RF: nLIGHT RF: Radio Frequency Calling Mount, Low Voltage, Dual Zone
- RFP-EZ: nLIGHT EZ: Automatic Dimming Control Photocell - Calling Mount, Low Voltage, Dual Zone
- RFP-118: nLIGHT 118: Power/Relay Pack 118 120/277 VAC
- RFP-120: nLIGHT 120: nLIGHT 120 Secondary Relay Pack w/ Diagnostics Reverse Phase Control Drawing: 4 Amp 500W/120VAC, Non Inductive Loads
- RFP-ACC: nLIGHT ACC: Automatic Dimming Control Photocell-Calling Mount, Low Voltage
- RFP-EZ: nLIGHT EZ: Automatic Dimming Control Photocell - Calling Mount, Low Voltage, Dual Zone

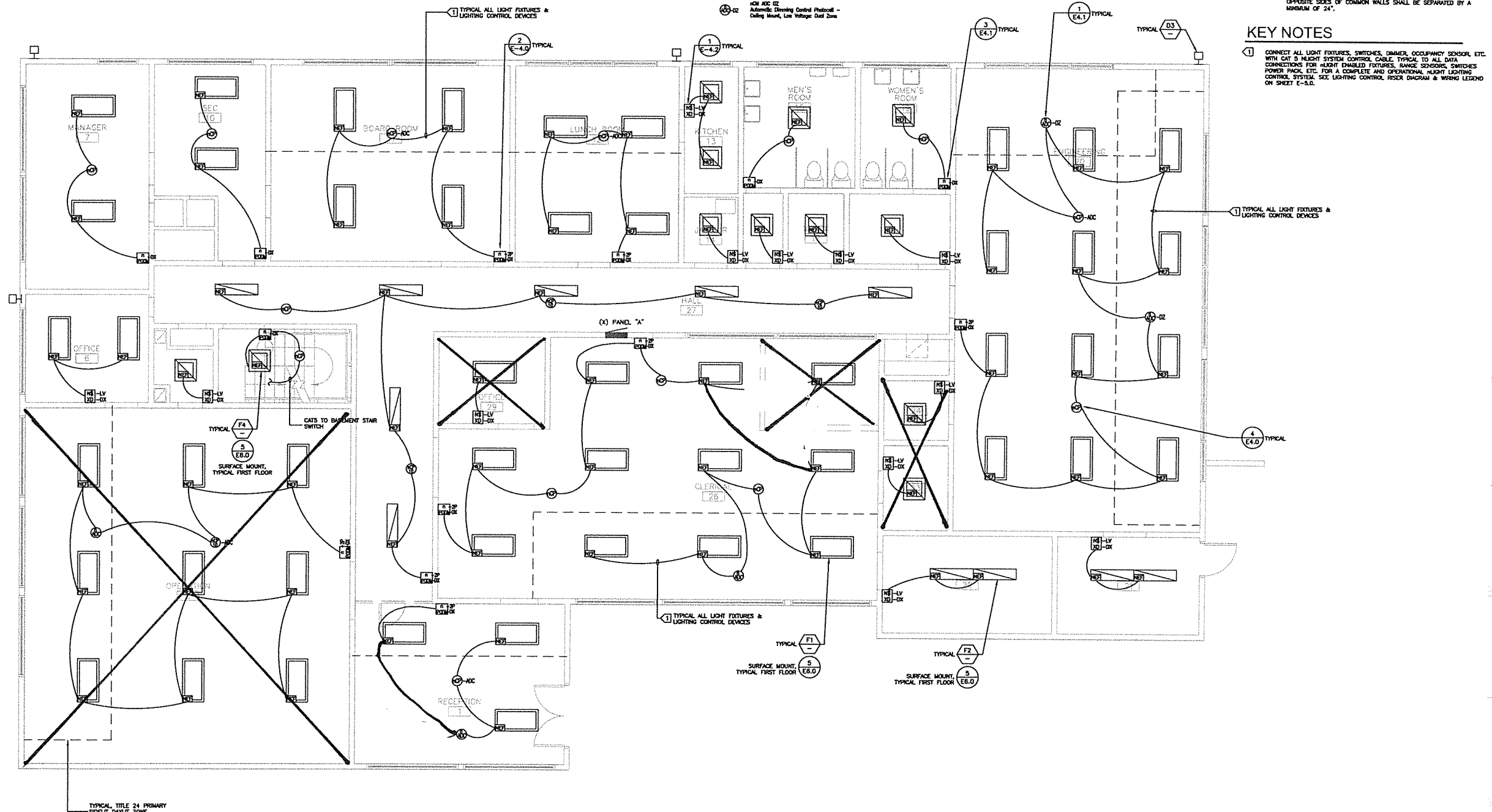
- AREA NOT IN CONTRACT

SHEET NOTES

- CONTRACTOR SHALL VERIFY LOCATION, CEILING TYPE, TRIM, AND REQUIREMENTS OF ALL LIGHT FIXTURES AND CONTROL PRIOR TO BID PROPOSAL, ROUGH-IN, AND FINISH INSTALLATION.
- CONTRACTOR SHALL IN ROUTING ALL CIRCUITS, INCREASE CONDUIT & CONDUIT SIZE TO ALLOW FOR VOLTAGE DROP SHOULD THE CONTRACTOR EXCEED ROUTING INDICATED ON DRAWING. ENGINEER OF RECORD MUST BE NOTIFIED PRIOR TO ANY DEVIATIONS FROM APPROVED PLAN CHECK (PERMIT SET) DRAWINGS.
- CONTRACTOR SHALL FURNISH AND INSTALL PULL BOXES AS REQUIRED TO INSTALL CONDUITS PER CONTRACTOR MANUFACTURERS RECOMMENDATIONS, PER THE NATIONAL ELECTRICAL CODE AND PER LOCAL AUTHORITIES HAVING JURISDICTION.
- 3/4" CONDUIT MINIMUM UNLESS OTHERWISE NOTED.
- ALL LIGHTING FIXTURES SHALL BE SECONDARILY SUPPORTED WITH SAFETY CHAINS, PROVIDED BY CONTRACTOR.
- VERIFY LOCATION OF ALL DEVICES ON ARCHITECTURAL PLANS.
- MAINTAIN A MAXIMUM 2% VOLTAGE DROP ON ALL LIGHTING WIRING.
- ALL EXIT SIGNS ARE +12" TO CENTER LINE OF FIXTURE ABOVE DOOR FRAME UNLESS OTHERWISE NOTED.
- CONTRACTOR SHALL PROVIDE ALL BACKING, BRACKETS, SUPPORTS, AND MOUNTING HARDWARE NECESSARY TO PROPERLY INSTALL LIGHTING FIXTURES.
- VERIFY THE EXACT ROUTING OF ALL EXPOSED CONDUIT WITH OWNER PRIOR TO INSTALLATION.
- COORDINATE WORK WITH OTHER TRADES. OBTAIN ALL DRAWINGS THAT WILL REQUIRE COORDINATION AND PROVIDE ALL ELECTRICAL CONNECTIONS, DEVICES, AND WIRING REQUIRED WHETHER SHOWN ON ELECTRICAL DRAWINGS OR NOT.
- PROVIDE CODE SIZED EQUIPMENT GROUNDING CONDUCTOR IN ALL LIGHTING SYSTEM CONDUITS.
- GRAPHICS / STORAGE: VERIFY & PROVIDE CONNECTION TO STORAGE PER VENDOR'S SHOP DRAWINGS. VERIFY SIGN LOCATION, MOUNTING ELEVATION AND BRANCH CIRCUIT REQUIREMENTS PRIOR TO ROUGH-IN.
- ALL WALL MOUNTED ELECTRICAL AND COMMUNICATION BOXES SHALL BE COVERED ENTIRELY WITH ONE HOUR FIRE PUTTY.
- ALL WALL MOUNTED ELECTRICAL AND COMMUNICATION BOXES ON OPPOSITE SIDES OF COMMON WALLS SHALL BE SEPARATED BY A MINIMUM OF 24".

KEY NOTES

- CONNECT ALL LIGHT FIXTURES, SWITCHES, DIMMER, OCCUPANCY SENSOR, ETC. WITH CAT 5 nLIGHT SYSTEM CONTROL CABLE. TYPICAL TO ALL DATA CONNECTIONS FOR LIGHT ENABLED FIXTURES, RANGE SENSORS, SWITCHES POWER PACK, ETC. FOR A COMPLETE AND OPERATIONAL LIGHT CONTROL SYSTEM. SEE LIGHTING CONTROL Riser DIAGRAM & WIRING LEGEND ON SHEET E-5.0.



① FIRST FLOOR nLIGHT LIGHTING CONTROL PLAN SCALE: 1/4" = 1'-0"

**CASITAS**  
Municipal Water District

**LIGHTING RETROFIT  
CASITAS MUNICIPAL WATER DISTRICT**  
1055 VENTURA AVE  
OAK VIEW, CA 93022

MARK	DATE	DESCRIPTION
	SEPTEMBER 26, 2014	

**FIRST FLOOR LIGHTING PLAN**

**E3.1**

**WIRING (DO NOT WIRE HOT)**  
TS668 (perpetual assignment) is recommended for all CAT-5 cables.

**COVERAGE PATTERN**  
**10 EXTENDED RANGE 360° LENS**

- Best choice for large motion (e.g. walking) detection
- Viewing angle of 67° in a 360° circular shaped pattern
- Provides 23 ft (7.0 m) radial coverage when mounted to standard 8 ft (2.4 m) ceiling
- 7 ft (2.1 m) x 13 ft (4.0 m) mounting heights provide 16 ft (4.9 m) radial coverage

**INSTALLATION**

- Mount sensor directly to a ceiling tile or metallic grid and self-tapping screws provided.
- Ensure mounting bracket aligns with standard round fixture or round gang ratch box (covers not provided).
- Interconnect and run CAT-5 ports with other network devices or lighting control CAT-5 cables.
- Once power is received via CAT-5 connection, all devices in zone will automatically begin functioning together according to user-defined schedule.
- Sensor will detect motion crossing segments more effectively than motion parallel to beams.
- For optimal detection, position sensor such that segments are crossed upon entrance and unable to view outside the space.

**PROGRAMMING**  
Refer to included instruction card for default settings and directions on programming the sensor via the push-button.

**ORDERING INFO**  
nCM-10-[DIMMING]-[DAYLIGHTING]-[TEMP/HUMIDITY]

**OTHER**  
Blank = None  
D = Dimming  
L3 = Low Temp

**SENSOR SWITCH**

③ nCM 10 EXTENDED RANGE SENSOR CEILING MOUNT PASSIVE INFRARED

**WIRING (DO NOT WIRE HOT)**  
TS668 (perpetual assignment) is recommended for all CAT-5 cables.

**COVERAGE PATTERN**  
**STANDARD RANGE 360° LENS WITH MICROPHONICS™**

- Best choice for small motion (e.g. hand movement) detection
- Viewing angle of 67° in a 360° circular shaped pattern
- Provides 12 ft (3.6 m) radial coverage when mounted to standard 8 ft (2.4 m) ceiling
- 8 ft (2.4 m) x 12 ft (3.6 m) mounting heights provide 10 ft (3.0 m) radial coverage

**INSTALLATION**

- Mount sensor directly to a ceiling tile or metallic grid and self-tapping screws provided.
- Sensor's mounting holes align with standard round fixture or single gang ratch box (covers not provided).
- Interconnect and run CAT-5 ports with other network devices or lighting control CAT-5 cables.
- Once power is received via CAT-5 connection, all devices in zone will automatically begin functioning together according to user-defined schedule.
- Sensor will detect motion crossing segments more effectively than motion parallel to beams.
- For optimal detection, position sensor such that segments are crossed upon entrance and unable to view outside the space.

**PROGRAMMING**  
Refer to included instruction card for default settings and directions on programming the sensor via the push-button.

**ORDERING INFO**  
nCM-PDT 9-[DIMMING]-[DAYLIGHTING]-[TEMP/HUMIDITY]

**OTHER**  
Blank = None  
D = Dimming  
L3 = Low Temp

**SENSOR SWITCH**

① nCM PDT 9 STANDARD SENSOR RANGE SENSOR CEILING MOUNT

**WIRING (DO NOT WIRE HOT)**  
TS668 (perpetual assignment) is recommended for all CAT-5 cables.

**COVERAGE PATTERN**  
**EXTENDED RANGE 360° LENS WITH MICROPHONICS™**

- Best choice for large motion (e.g. walking) detection
- Viewing angle of 67° in a 360° circular shaped pattern
- Provides 23 ft (7.0 m) radial coverage when mounted to standard 8 ft (2.4 m) ceiling
- 7 ft (2.1 m) x 13 ft (4.0 m) mounting heights provide 16 ft (4.9 m) radial coverage

**INSTALLATION**

- Mount sensor directly to a ceiling tile or metallic grid and self-tapping screws provided.
- Ensure mounting bracket aligns with standard round fixture or round gang ratch box (covers not provided).
- Interconnect and run CAT-5 ports with other network devices or lighting control CAT-5 cables.
- Once power is received via CAT-5 connection, all devices in zone will automatically begin functioning together according to user-defined schedule.
- Sensor will detect motion crossing segments more effectively than motion parallel to beams.
- For optimal detection, position sensor such that segments are crossed upon entrance and unable to view outside the space.

**PROGRAMMING**  
Refer to included instruction card for default settings and directions on programming the sensor via the push-button.

**ORDERING INFO**  
nCM-PDT 10-[DIMMING]-[DAYLIGHTING]-[TEMP/HUMIDITY]

**OTHER**  
Blank = None  
D = Dimming  
L3 = Low Temp

**SENSOR SWITCH**

④ nCM PDT 10 EXTENDED SENSOR RANGE SENSOR CEILING MOUNT

**WIRING (DO NOT WIRE HOT)**  
TS668 (perpetual assignment) is recommended for all CAT-5 cables.

**COVERAGE PATTERN**  
**EXTENDED RANGE 360° LENS WITH MICROPHONICS™**

- Best choice for large motion (e.g. walking) detection
- Viewing angle of 67° in a 360° circular shaped pattern
- Provides 23 ft (7.0 m) radial coverage when mounted to standard 8 ft (2.4 m) ceiling
- 7 ft (2.1 m) x 13 ft (4.0 m) mounting heights provide 16 ft (4.9 m) radial coverage

**INSTALLATION**

- Mount sensor directly to a ceiling tile or metallic grid and self-tapping screws provided.
- Ensure mounting bracket aligns with standard round fixture or round gang ratch box (covers not provided).
- Interconnect and run CAT-5 ports with other network devices or lighting control CAT-5 cables.
- Once power is received via CAT-5 connection, all devices in zone will automatically begin functioning together according to user-defined schedule.
- Sensor will detect motion crossing segments more effectively than motion parallel to beams.
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**PROGRAMMING**  
Refer to included instruction card for default settings and directions on programming the sensor via the push-button.

**ORDERING INFO**  
nCM-PDT 10-[DIMMING]-[DAYLIGHTING]-[TEMP/HUMIDITY]

**OTHER**  
Blank = None  
D = Dimming  
L3 = Low Temp

**SENSOR SWITCH**

**TYPICAL WIRING**  
Power to WallPod device is provided via a CAT-5 connection to an in-wall power pack (PDP), usually PDP-10 or PDP-15.

**3-WAY CONFIGURATION WIRING**  
WallPods and nLIGHT wall sensors can be configured together to create zones with multiple functioning channels.

**LOW VOLTAGE WALLPODS ONLY**

**LOW AND LINE VOLTAGE WALLPODS**

**DEFAULT LABELING**

**INSTALLATION**

- Mount WallPod using holes that align with standard single gang ratch box or low voltage tray.
- Access RJ-45 ports by sliding plastic guard up.
- Remove rubber plugs and insert CAT-5 cables. TS668 is the recommended standard.
- Side panel back of the nPODM 4P units only.
- Control low voltage (dimming) with nPODM-D units only.
- Interconnect with other nLIGHT devices in lighting zone using CAT-5 cables.
- Once power is received via CAT-5 connection, all devices in zone will automatically begin functioning together according to user-defined schedule.

**Attention! Only use non-boat CAT5 cables.**

**PROGRAMMING**  
Refer to included instruction card for default settings and directions on programming the sensor via the push-button.

**ORDERING INFO**  
nPODM-[CHANNELS]-[CONTROL TYPE]-[COLOR]-[TEMP/HUMIDITY]

**OTHER**  
Blank = None  
D = Dimming  
L3 = Low Temp

**SENSOR SWITCH**

② nPODM WALLPOD

**WIRING (DO NOT WIRE HOT)**  
TS668 (perpetual assignment) is recommended for all CAT-5 cables.

**COVERAGE PATTERN**  
**STANDARD RANGE 360° LENS WITH MICROPHONICS™**

- Best choice for small motion (e.g. hand movement) detection
- Viewing angle of 67° in a 360° circular shaped pattern
- Provides 12 ft (3.6 m) radial coverage when mounted to standard 8 ft (2.4 m) ceiling
- 8 ft (2.4 m) x 12 ft (3.6 m) mounting heights provide 10 ft (3.0 m) radial coverage

**INSTALLATION**

- Mount sensor directly to a ceiling tile or metallic grid and self-tapping screws provided.
- Sensor's mounting holes align with standard round fixture or single gang ratch box (covers not provided).
- Interconnect and run CAT-5 ports with other network devices or lighting control CAT-5 cables.
- Once power is received via CAT-5 connection, all devices in zone will automatically begin functioning together according to user-defined schedule.
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- For optimal detection, position sensor such that segments are crossed upon entrance and unable to view outside the space.

**PROGRAMMING**  
Refer to included instruction card for default settings and directions on programming the sensor via the push-button.

**ORDERING INFO**  
nPODM-[CHANNELS]-[CONTROL TYPE]-[COLOR]-[TEMP/HUMIDITY]

**OTHER**  
Blank = None  
D = Dimming  
L3 = Low Temp

**SENSOR SWITCH**

**CASITAS**  
Municipal Water District

**LIGHTING RETROFIT**  
CASITAS MUNICIPAL WATER DISTRICT  
1055 VENTURA AVE  
OAK VIEW, CA 93022

**LIGHTING CONTROL DATASHEETS**

**E4.0**

DATE: SEPTEMBER 26, 2014  
CADD FILE:  
DRAWN BY: CHA  
CHECKED BY: CHA  
SCALE:  
SHEET TITLE:

## nLIGHT nWSX LV / nWSX PDT LV Wall Switch Sensor

**COVER PAGE**

**COVERAGE PATTERN**

**TOP VIEW**

**SIZE VIEW**

**TYPICAL WIRING DIAGRAMS**

**INSTALLATION**

**REORDERING**

**ORDERING LOGIC**

**PRODUCT OVERVIEW**

**FEATURES**

**CONTROL MODES**

**SPECIFICATIONS**

**ENVIRONMENTAL SPECS**

**OTHER**

**WIRING (DO NOT WIRE HOT)**

**nCM ADC**

**nCM ADC**

**nLIGHT OPERATION**

**DEVICE SETTINGS**

**INSTALLATION**

**PROGRAMMING**

**ORDERING INFO**

**nCM [DAYLIGHTING] [DUAL ZONE] [TEMP/HUMIDITY]**

**KEY OPTIONS**

**EMERGENCY OPERATION (E-ER)**

**DEVIANT WIRE GALS (20K, 25K, 27K)**

**KEY OPTIONS**

**EMERGENCY OPERATION (E-ER)**

**DEVIANT WIRE GALS (20K, 25K, 27K)**

**OPERATIONAL SETTINGS**

## nLIGHT nWSX LV / nWSX PDT LV Wall Switch Sensor

**PRODUCT OVERVIEW**

**FEATURES**

**CONTROL MODES**

**SPECIFICATIONS**

**ENVIRONMENTAL SPECS**

**OTHER**

**WIRING (DO NOT WIRE HOT)**

**nCM ADC**

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**DEVIANT WIRE GALS (20K, 25K, 27K)**

**KEY OPTIONS**

**EMERGENCY OPERATION (E-ER)**

**DEVIANT WIRE GALS (20K, 25K, 27K)**

**OPERATIONAL SETTINGS**

## nLIGHT nPP16 Power / Relay Pack

**WIRING FOR STANDARD (NON-EMERGENCY) UNITS**

**Diagram for non-dimming units**

**Diagram for units with a dimming option (I-D or I-DL suffix)**

**WIRING FOR EMERGENCY (E-ER) UNITS**

**Diagram for non-dimming units**

**Diagram for units with a dimming option (I-D or I-DL suffix)**

**GENERAL INSTALLATION INSTRUCTIONS**

**ADDITIONAL EMERGENCY (E-ER) INSTRUCTIONS**

**OPERATIONAL SETTINGS**

## nLIGHT nCM ADC / nCM ADCX

**AUTOMATIC DIMMING PHOTOCELL CEILING MOUNT - LOW VOLTAGE**

**SPECIFICATIONS**

**FEATURES**

**PHYSICAL SPECS**

**ELECTRICAL SPECS**

**ENVIRONMENTAL SPECS**

**OTHER**

**ORDERING INFO**

**nCM [DAYLIGHTING] [DUAL ZONE] [TEMP/HUMIDITY]**

**KEY OPTIONS**

**EMERGENCY OPERATION (E-ER)**

**DEVIANT WIRE GALS (20K, 25K, 27K)**

**KEY OPTIONS**

**EMERGENCY OPERATION (E-ER)**

**DEVIANT WIRE GALS (20K, 25K, 27K)**

**OPERATIONAL SETTINGS**

## 3 nWSX PDT LV WALL SWITCH SENSOR

**COVER PAGE**

**COVERAGE PATTERN**

**TOP VIEW**

**SIZE VIEW**

**TYPICAL WIRING DIAGRAMS**

**INSTALLATION**

**REORDERING**

**ORDERING LOGIC**

**PRODUCT OVERVIEW**

**FEATURES**

**CONTROL MODES**

**SPECIFICATIONS**

**ENVIRONMENTAL SPECS**

**OTHER**

**WIRING (DO NOT WIRE HOT)**

**nCM ADC**

**nCM ADC**

**nLIGHT OPERATION**

**DEVICE SETTINGS**

**INSTALLATION**

**PROGRAMMING**

**ORDERING INFO**

**nCM [DAYLIGHTING] [DUAL ZONE] [TEMP/HUMIDITY]**

**KEY OPTIONS**

**EMERGENCY OPERATION (E-ER)**

**DEVIANT WIRE GALS (20K, 25K, 27K)**

**KEY OPTIONS**

**EMERGENCY OPERATION (E-ER)**

**DEVIANT WIRE GALS (20K, 25K, 27K)**

**OPERATIONAL SETTINGS**

## nLIGHT nPP16 Power / Relay Pack

**WIRING FOR STANDARD (NON-EMERGENCY) UNITS**

**Diagram for non-dimming units**

**Diagram for units with a dimming option (I-D or I-DL suffix)**

**WIRING FOR EMERGENCY (E-ER) UNITS**

**Diagram for non-dimming units**

**Diagram for units with a dimming option (I-D or I-DL suffix)**

**GENERAL INSTALLATION INSTRUCTIONS**

**ADDITIONAL EMERGENCY (E-ER) INSTRUCTIONS**

**OPERATIONAL SETTINGS**

## nLIGHT nCM ADC / nCM ADCX

**AUTOMATIC DIMMING PHOTOCELL CEILING MOUNT - LOW VOLTAGE**

**SPECIFICATIONS**

**FEATURES**

**PHYSICAL SPECS**

**ELECTRICAL SPECS**

**ENVIRONMENTAL SPECS**

**OTHER**

**ORDERING INFO**

**nCM [DAYLIGHTING] [DUAL ZONE] [TEMP/HUMIDITY]**

**KEY OPTIONS**

**EMERGENCY OPERATION (E-ER)**

**DEVIANT WIRE GALS (20K, 25K, 27K)**

**KEY OPTIONS**

**EMERGENCY OPERATION (E-ER)**

**DEVIANT WIRE GALS (20K, 25K, 27K)**

**OPERATIONAL SETTINGS**

## nLIGHT nPP16D POWER/RELAY PACK

**WIRING FOR STANDARD (NON-EMERGENCY) UNITS**

**Diagram for non-dimming units**

**Diagram for units with a dimming option (I-D or I-DL suffix)**

**WIRING FOR EMERGENCY (E-ER) UNITS**

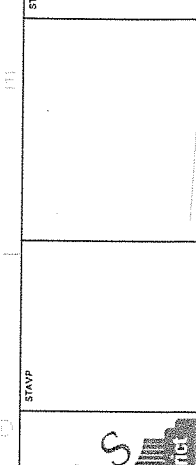
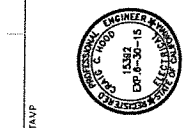
**Diagram for non-dimming units**

**Diagram for units with a dimming option (I-D or I-DL suffix)**

**GENERAL INSTALLATION INSTRUCTIONS**

**ADDITIONAL EMERGENCY (E-ER) INSTRUCTIONS**

**OPERATIONAL SETTINGS**



**LIGHTING RETROFIT**  
**CASITAS MUNICIPAL WATER DISTRICT**  
 1055 VENTURA AVE  
 OAK VIEW, CA 93022

MARK	DATE	DESCRIPTION
	SEPTEMBER 26, 2014	
		CAD FILE
		DRAWN BY: CHA
		CHECKED BY:
		SCALE:
		SHEET TITLE:
		LIGHTING CONTROL DATASHEETS

**E4.1**

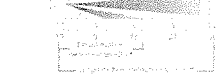


# nWSX LV / nWSX PDT LV Wall Switch Sensor

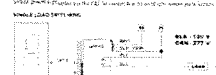
## COVERAGE PATTERN

• Switch activation based on movement of objects within 10' (3.0m) of sensor.  
 • Light intensity is adjustable from 10% to 100%.  
 • Motion detection range is adjustable from 10' to 100' (3.0m to 30.5m).  
 • Motion detection range is adjustable from 10' to 100' (3.0m to 30.5m).  
 • Motion detection range is adjustable from 10' to 100' (3.0m to 30.5m).

## TOP VIEW



## SIDE VIEW



## TYPICAL WIRING DIAGRAMS



## INSTALLATION

• Mount sensor on wall or ceiling.  
 • Mount sensor on wall or ceiling.  
 • Mount sensor on wall or ceiling.  
 • Mount sensor on wall or ceiling.  
 • Mount sensor on wall or ceiling.

## PROGRAMMING

• The sensor is programmed to be in "off" mode when power is first applied.  
 • The sensor is programmed to be in "off" mode when power is first applied.  
 • The sensor is programmed to be in "off" mode when power is first applied.  
 • The sensor is programmed to be in "off" mode when power is first applied.



## PRODUCT OVERVIEW

The nWSX LV and nWSX PDT LV wall switch sensors are designed to provide motion-activated lighting control for a wide range of applications. The nWSX LV is designed for use in residential and commercial settings, while the nWSX PDT LV is designed for use in public and commercial settings.

**MAIN FEATURES**

- Motion-activated lighting control
- Adjustable light intensity
- Adjustable motion detection range
- Adjustable motion detection range
- Adjustable motion detection range

**OPTIONS**

- Motion-activated lighting control
- Adjustable light intensity
- Adjustable motion detection range
- Adjustable motion detection range
- Adjustable motion detection range

**INSTALLATION**

- Mount sensor on wall or ceiling
- Mount sensor on wall or ceiling
- Mount sensor on wall or ceiling
- Mount sensor on wall or ceiling
- Mount sensor on wall or ceiling

**PROGRAMMING**

- The sensor is programmed to be in "off" mode when power is first applied
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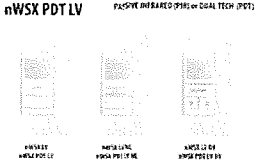
**ORDERING LOGIC**

Example: nWSX PDT LV DA WB

Series	Light Color or Dimming	Color	Temp./Humidity
nWSX LV	Black	White	None
nWSX PDT LV	Black	White	None

Part Number	
Manufacturer	

## nWSX LV / nWSX PDT LV



**FEATURES**

- Motion-activated lighting control
- Adjustable light intensity
- Adjustable motion detection range
- Adjustable motion detection range
- Adjustable motion detection range

**INSTALLATION**

- Mount sensor on wall or ceiling
- Mount sensor on wall or ceiling
- Mount sensor on wall or ceiling
- Mount sensor on wall or ceiling
- Mount sensor on wall or ceiling

**PROGRAMMING**

- The sensor is programmed to be in "off" mode when power is first applied
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- The sensor is programmed to be in "off" mode when power is first applied

Series	Light Color or Dimming	Color	Temp./Humidity
nWSX LV	Black	White	None
nWSX PDT LV	Black	White	None

**ORDERING LOGIC**

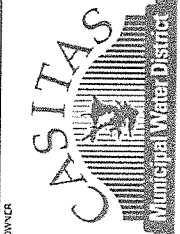
Example: nWSX PDT LV DA WB

Series	Light Color or Dimming	Color	Temp./Humidity
nWSX LV	Black	White	None
nWSX PDT LV	Black	White	None



STAMP

STAMP



OWNER

**LIGHTING RETROFIT**  
**CASITAS MUNICIPAL WATER DISTRICT**  
 1055 VENTURA AVE  
 OAK VIEW, CA 93022

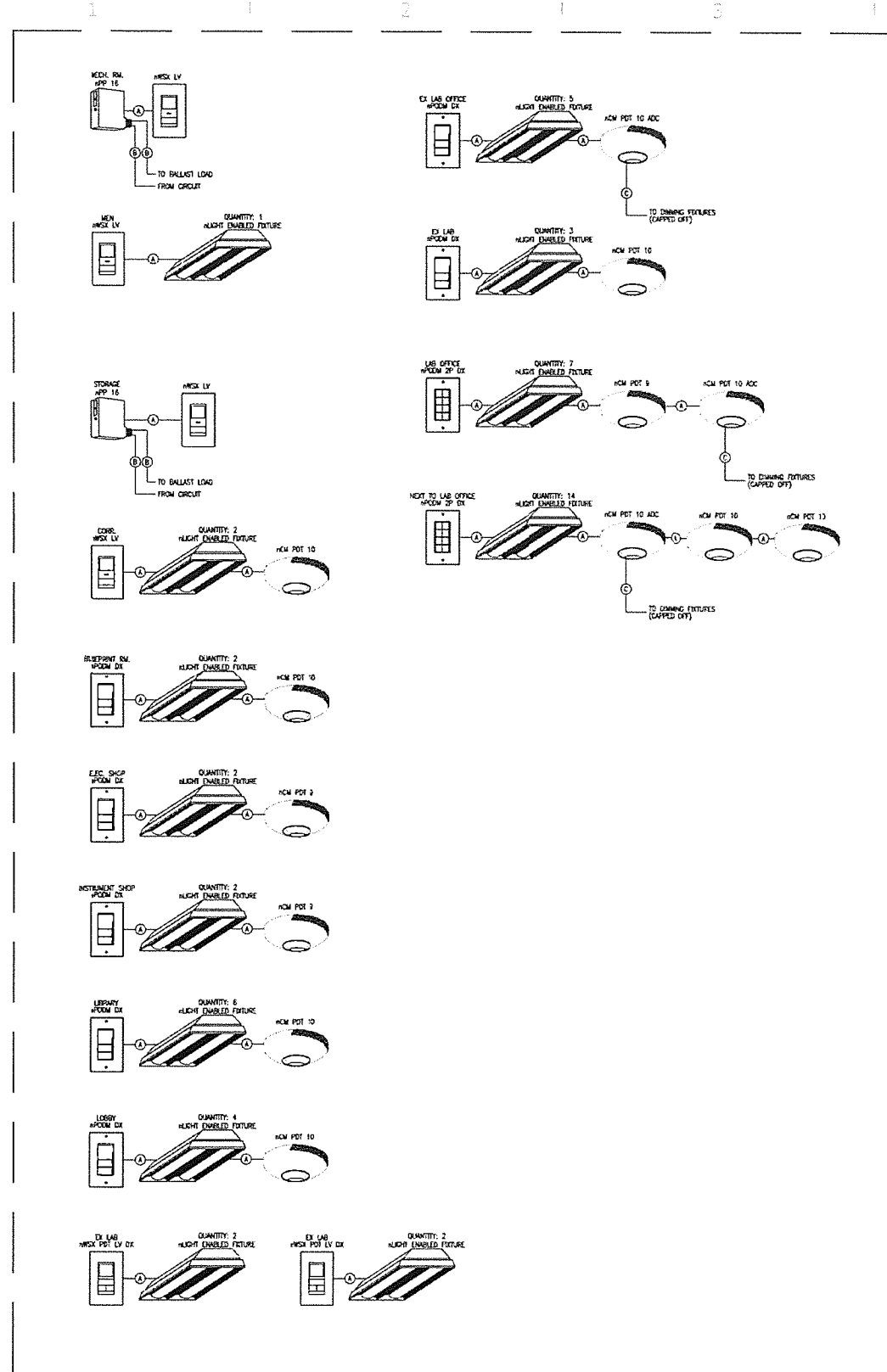
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	CHECKED BY: CH	
	SCALE:	

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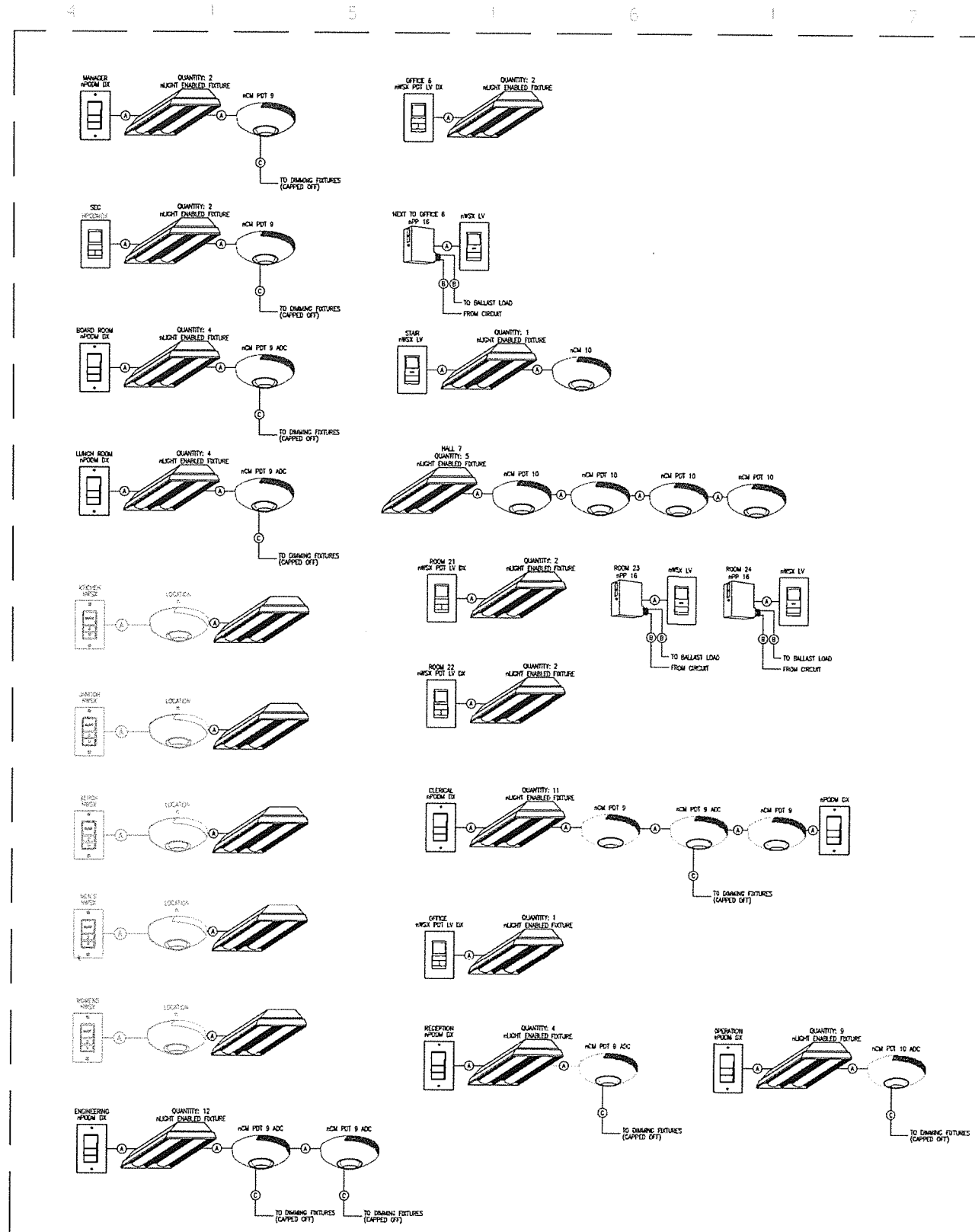
LIGHTING CONTROL DATASHEETS

E4.2

# 1 nWSX PDT LV WALL SWITCH SENSOR



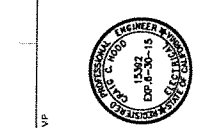
BASEMENT nLIGHT LIGHTING CONTROL RISER



FIRST FLOOR nLIGHT LIGHTING CONTROL RISER

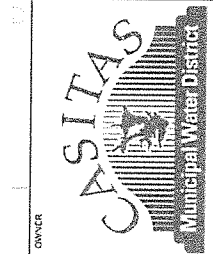
① nLIGHT LIGHTING CONTROL RISER DIAGRAM  
SCALE:

WIRING LEGEND	
(A)	(1) CAT5 CABLE (BLUE DATA)
(B)	1/18 AWG CLASS 1 (LINE VOLTAGE)
(C)	1/18 AWG CLASS 2 (LOW VOLTAGE)



STAMP

STAMP



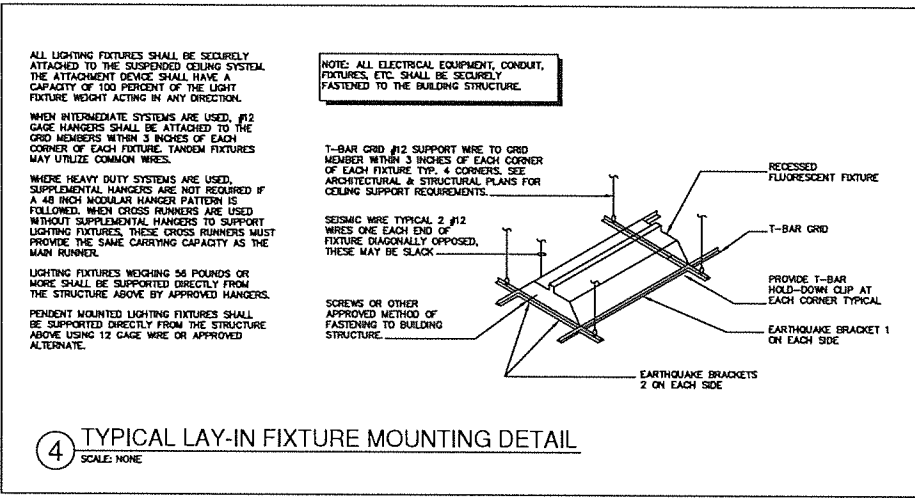
OWNER

LIGHTING RETROFIT  
CASITAS MUNICIPAL WATER DISTRICT  
1055 VENTURA AVE  
OAK VIEW, CA 93022

MARK	DATE	DESCRIPTION
	DATE: SEPTEMBER 26, 2014	
	CAD DWG FILE:	
	DRAWN BY: CHA	
	CHECKED BY: CH	
	SCALE:	
	SHEET TITLE:	

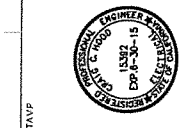
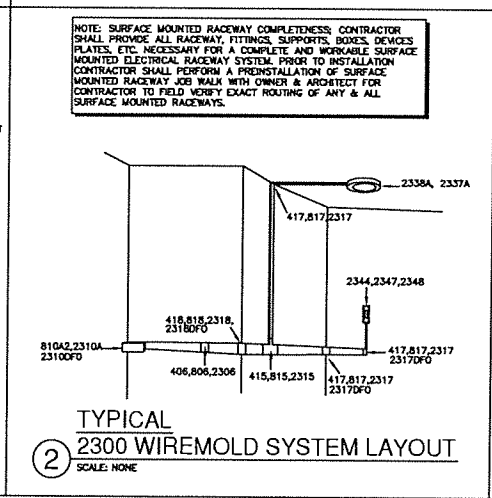
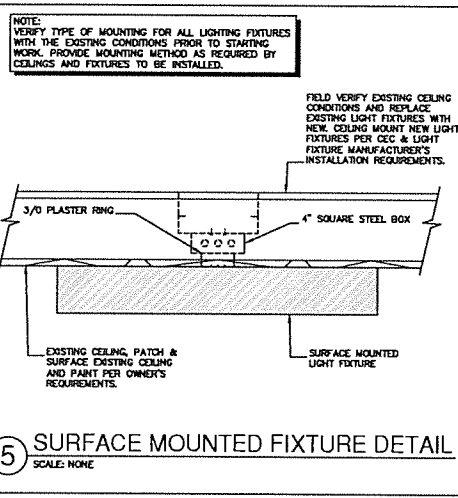
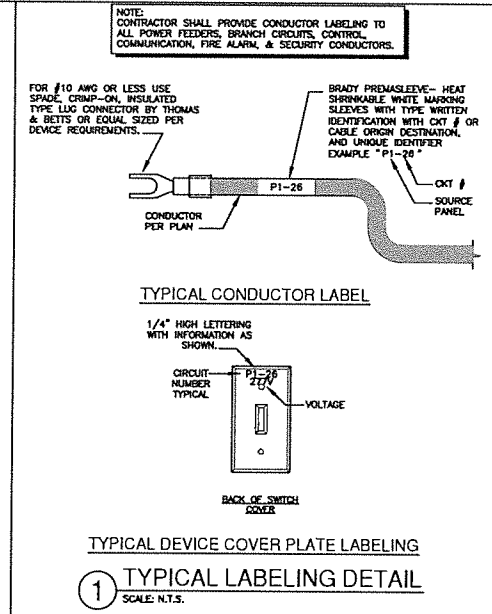
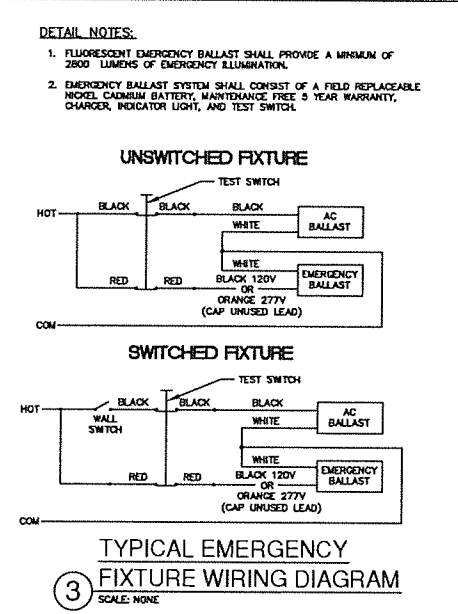
LIGHTING CONTROL  
RISER DIAGRAM

E5.0



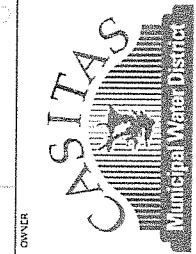
TAQ	SYMBOL	WATT	DESCRIPTION	LAMP - TYPE AND QUANTITY	MOUNTING	MANUFACTURER AND MODEL NUMBER	REMARKS
D3		481	EXTERIOR SURFACE MOUNT IMPACT RESISTANT DOWNLIGHT	400W (1 LAMP)	SURFACE	LITHONIA #TW2-400M-120V-SCWA-CRT-PE	
F1		43	2x4' SURFACE MOUNT VOLUMETRIC WITH STEP DIMMED BALLAST	43W LED	SURFACE	LITHONIA #R1L24-43L-049-MVOLT-LP835-N100-nPP160	PROVIDE WITH EMERGENCY POWER BATTERY PACK WHERE NOTED BY "NL"
F2		50	SURFACE MOUNT VOLUMETRIC	50W LED	SURFACE	LITHONIA #R1L4-48L-MVOLT-050-LP835-N100-nPP160	PROVIDE WITH EMERGENCY POWER BATTERY PACK WHERE NOTED BY "NL"
F3		50	2x4' RECESSED VOLUMETRIC WITH STEP DIMMED BALLAST	50W LED	LAY-IN	LITHONIA #R1L24-43L-049-MVOLT-LP835-N100-nPP160	PROVIDE WITH EMERGENCY POWER BATTERY PACK WHERE NOTED BY "NL"
F4		32	2x4' SURFACE MOUNT VOLUMETRIC WITH STEP DIMMED BALLAST	32W LED	SURFACE	LITHONIA #R1L24-32L-MVOLT-038-LP840-N100-nPP160	PROVIDE WITH EMERGENCY POWER BATTERY PACK WHERE NOTED BY "NL"
F5		24	INDUSTRIAL STRAIGHT LIGHT	24W LED	SURFACE	LITHONIA #MSL-MV-M6-nPP160	
F6		58	2x4' RECESSED VOLUMETRIC WITH STEP DIMMED BALLAST	38W LED	LAY-IN	LITHONIA #R1L2-33L-MVOLT-038-LP835-N100-nPP160	PROVIDE WITH EMERGENCY POWER BATTERY PACK WHERE NOTED BY "NL"

- FIXTURE SCHEDULE NOTES:**
- CONTRACTOR SHALL BE RESPONSIBLE FOR ORDERING PROPER TYPES OF TRIMS FOR ALL RECESSED FLUORESCENT FIXTURES TO FIT THE CEILING BEING INSTALLED.
  - ALL FLUORESCENT LAMPS SHALL BE T8 4100K.
  - ALL BALLASTS SHALL BE ELECTRONIC SOLID STATE.
  - FIXTURES TYPE IN CONTACT WITH INSULATION SHALL HAVE U.L. LISTED THERMAL BARRIER.
  - CONTRACTOR SHALL VERIFY THE TYPE OF CEILING BEFORE ORDERING NEW FIXTURES. CONTRACTOR IS FULLY RESPONSIBLE TO PROVIDE ALL MOUNTING BRACKETS TO FIT CEILING CONDITIONS AT NO EXTRA CHARGE TO THE OWNER.
  - REFER TO ARCHITECTURAL REFLECTED CEILING PLAN FOR EXACT LOCATION OF LIGHTING FIXTURES.
  - SEE ARCHITECTURAL PLANS FOR EXACT DIMENSIONS, CEILING CONFIGURATION AND LIGHTING PLACEMENT.
  - FIXTURE TYPE
  - QUANTITY (WHERE NO NUMERIC QUANTITY IS LISTED, FIXTURE TYPE IS TYPICAL FOR ENTIRE AREA)
  - EXIT SIGN CURRENT POWER SUPPLY TO ONE OF THE LAMPS SHALL BE PROVIDED BY THE PREMISES' WIRING SYSTEM. POWER SUPPLY TO THE OTHER LAMP SHALL BE FROM STORAGE BATTERIES OR AN ON-SITE GENERATOR. IN THE EVENT OF A POWER FAILURE, ILLUMINATION SHALL AUTOMATICALLY BE PROVIDED BY AN EMERGENCY SYSTEM FOR A DURATION OF 90 MIN. THE SYSTEM SHALL BE INSTALLED IN ACCORDANCE WITH THE NATIONAL ELECTRICAL CODE.



STAMP

STAMP



OWNER

**LIGHTING RETROFIT**  
**CASITAS MUNICIPAL WATER DISTRICT**  
1055 VENTURA AVE  
OAK VIEW, CA 93022

MARK	DATE	DESCRIPTION
	SEPTEMBER 26, 2014	CAD DWG FILE
		DRAWN BY: CHA
		CHECKED BY: CH
		SCALE: NA
		SHEET TITLE

ELECTRICAL DETAILS

**E6.0**

**LITHONIA LIGHTING**

**FEATURES & SPECIFICATIONS**

**INTRODUCTION:** The F6 is a recessed, surface-mount LED luminaire with a wide beam angle, ideal for general lighting in residential and commercial applications. It features a sleek, modern design and is available in multiple finishes.

**CONSTRUCTION:** The luminaire is constructed from high-quality materials, including anodized aluminum and polycarbonate, ensuring durability and long life.

**OPTICS:** The luminaire is equipped with a high-quality LED chip and a wide beam angle lens, providing uniform illumination.

**ELECTRICAL:** The luminaire is designed for easy installation and operation, featuring a simple wiring diagram and a standard electrical rating.

**INSTALLATION:** The luminaire is designed for easy installation, requiring only a few screws and a simple wiring connection.

**WARRANTY:** The luminaire is backed by a 5-year warranty, ensuring long-term performance and reliability.

**Example: F6 120V 100W 120°**

Series	Beam Angle	Finish	Package	Voltage	Color Temperature	Beam Spread	Beam Diameter	Beam Depth	Beam Area	Beam Length
F6	120°	White	100W	120V	3000K	120°	1200mm	120mm	1200mm	1200mm

**Notes:**

- For more information, visit our website at [www.lithonia.com](http://www.lithonia.com).
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7 FIXTURE TYPE "F6" DATA SHEET  
SCALE: NONE

**LITHONIA LIGHTING**

**FEATURES & SPECIFICATIONS**

**INTRODUCTION:** The F4 is a recessed, surface-mount LED luminaire with a wide beam angle, ideal for general lighting in residential and commercial applications. It features a sleek, modern design and is available in multiple finishes.

**CONSTRUCTION:** The luminaire is constructed from high-quality materials, including anodized aluminum and polycarbonate, ensuring durability and long life.

**OPTICS:** The luminaire is equipped with a high-quality LED chip and a wide beam angle lens, providing uniform illumination.

**ELECTRICAL:** The luminaire is designed for easy installation and operation, featuring a simple wiring diagram and a standard electrical rating.

**INSTALLATION:** The luminaire is designed for easy installation, requiring only a few screws and a simple wiring connection.

**WARRANTY:** The luminaire is backed by a 5-year warranty, ensuring long-term performance and reliability.

**Example: F4 120V 100W 120°**

Series	Beam Angle	Finish	Package	Voltage	Color Temperature	Beam Spread	Beam Diameter	Beam Depth	Beam Area	Beam Length
F4	120°	White	100W	120V	3000K	120°	1200mm	120mm	1200mm	1200mm

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5 FIXTURE TYPE "F4" DATA SHEET  
SCALE: NONE

**LITHONIA LIGHTING**

**FEATURES & SPECIFICATIONS**

**INTRODUCTION:** The F2 is a recessed, surface-mount LED luminaire with a wide beam angle, ideal for general lighting in residential and commercial applications. It features a sleek, modern design and is available in multiple finishes.

**CONSTRUCTION:** The luminaire is constructed from high-quality materials, including anodized aluminum and polycarbonate, ensuring durability and long life.

**OPTICS:** The luminaire is equipped with a high-quality LED chip and a wide beam angle lens, providing uniform illumination.

**ELECTRICAL:** The luminaire is designed for easy installation and operation, featuring a simple wiring diagram and a standard electrical rating.

**INSTALLATION:** The luminaire is designed for easy installation, requiring only a few screws and a simple wiring connection.

**WARRANTY:** The luminaire is backed by a 5-year warranty, ensuring long-term performance and reliability.

**Example: F2 120V 100W 120°**

Series	Beam Angle	Finish	Package	Voltage	Color Temperature	Beam Spread	Beam Diameter	Beam Depth	Beam Area	Beam Length
F2	120°	White	100W	120V	3000K	120°	1200mm	120mm	1200mm	1200mm

**Notes:**

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3 FIXTURE TYPE "F2" DATA SHEET  
SCALE: NONE

**LITHONIA LIGHTING**

**FEATURES & SPECIFICATIONS**

**INTRODUCTION:** The D3 is a recessed, surface-mount LED luminaire with a wide beam angle, ideal for general lighting in residential and commercial applications. It features a sleek, modern design and is available in multiple finishes.

**CONSTRUCTION:** The luminaire is constructed from high-quality materials, including anodized aluminum and polycarbonate, ensuring durability and long life.

**OPTICS:** The luminaire is equipped with a high-quality LED chip and a wide beam angle lens, providing uniform illumination.

**ELECTRICAL:** The luminaire is designed for easy installation and operation, featuring a simple wiring diagram and a standard electrical rating.

**INSTALLATION:** The luminaire is designed for easy installation, requiring only a few screws and a simple wiring connection.

**WARRANTY:** The luminaire is backed by a 5-year warranty, ensuring long-term performance and reliability.

**Example: D3 120V 100W 120°**

Series	Beam Angle	Finish	Package	Voltage	Color Temperature	Beam Spread	Beam Diameter	Beam Depth	Beam Area	Beam Length
D3	120°	White	100W	120V	3000K	120°	1200mm	120mm	1200mm	1200mm

**Notes:**

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1 FIXTURE TYPE "D3" DATA SHEET  
SCALE: NONE

**LITHONIA LIGHTING**

**FEATURES & SPECIFICATIONS**

**INTRODUCTION:** The F5 is a recessed, surface-mount LED luminaire with a wide beam angle, ideal for general lighting in residential and commercial applications. It features a sleek, modern design and is available in multiple finishes.

**CONSTRUCTION:** The luminaire is constructed from high-quality materials, including anodized aluminum and polycarbonate, ensuring durability and long life.

**OPTICS:** The luminaire is equipped with a high-quality LED chip and a wide beam angle lens, providing uniform illumination.

**ELECTRICAL:** The luminaire is designed for easy installation and operation, featuring a simple wiring diagram and a standard electrical rating.

**INSTALLATION:** The luminaire is designed for easy installation, requiring only a few screws and a simple wiring connection.

**WARRANTY:** The luminaire is backed by a 5-year warranty, ensuring long-term performance and reliability.

**Example: F5 120V 100W 120°**

Series	Beam Angle	Finish	Package	Voltage	Color Temperature	Beam Spread	Beam Diameter	Beam Depth	Beam Area	Beam Length
F5	120°	White	100W	120V	3000K	120°	1200mm	120mm	1200mm	1200mm

**Notes:**

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6 FIXTURE TYPE "F5" DATA SHEET  
SCALE: NONE

**LITHONIA LIGHTING**

**FEATURES & SPECIFICATIONS**

**INTRODUCTION:** The F3 is a recessed, surface-mount LED luminaire with a wide beam angle, ideal for general lighting in residential and commercial applications. It features a sleek, modern design and is available in multiple finishes.

**CONSTRUCTION:** The luminaire is constructed from high-quality materials, including anodized aluminum and polycarbonate, ensuring durability and long life.

**OPTICS:** The luminaire is equipped with a high-quality LED chip and a wide beam angle lens, providing uniform illumination.

**ELECTRICAL:** The luminaire is designed for easy installation and operation, featuring a simple wiring diagram and a standard electrical rating.

**INSTALLATION:** The luminaire is designed for easy installation, requiring only a few screws and a simple wiring connection.

**WARRANTY:** The luminaire is backed by a 5-year warranty, ensuring long-term performance and reliability.

**Example: F3 120V 100W 120°**

Series	Beam Angle	Finish	Package	Voltage	Color Temperature	Beam Spread	Beam Diameter	Beam Depth	Beam Area	Beam Length
F3	120°	White	100W	120V	3000K	120°	1200mm	120mm	1200mm	1200mm

**Notes:**

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4 FIXTURE TYPE "F3" DATA SHEET  
SCALE: NONE

**LITHONIA LIGHTING**

**FEATURES & SPECIFICATIONS**

**INTRODUCTION:** The F1 is a recessed, surface-mount LED luminaire with a wide beam angle, ideal for general lighting in residential and commercial applications. It features a sleek, modern design and is available in multiple finishes.

**CONSTRUCTION:** The luminaire is constructed from high-quality materials, including anodized aluminum and polycarbonate, ensuring durability and long life.

**OPTICS:** The luminaire is equipped with a high-quality LED chip and a wide beam angle lens, providing uniform illumination.

**ELECTRICAL:** The luminaire is designed for easy installation and operation, featuring a simple wiring diagram and a standard electrical rating.

**INSTALLATION:** The luminaire is designed for easy installation, requiring only a few screws and a simple wiring connection.

**WARRANTY:** The luminaire is backed by a 5-year warranty, ensuring long-term performance and reliability.

**Example: F1 120V 100W 120°**

Series	Beam Angle	Finish	Package	Voltage	Color Temperature	Beam Spread	Beam Diameter	Beam Depth	Beam Area	Beam Length
F1	120°	White	100W	120V	3000K	120°	1200mm	120mm	1200mm	1200mm

**Notes:**

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1 FIXTURE TYPE "F1" DATA SHEET  
SCALE: NONE

**CASITAS**  
Municipal Water District

1055 VENTURA AVE  
OAK VIEW, CA 95022

**LIGHTING RETROFIT  
CASITAS MUNICIPAL WATER DISTRICT**

MARK DATE DESCRIPTION

DATE: SEPTEMBER 26, 2014

CAD DWG FILE:

DRAWN BY: CHA

CHWD BY: CH

SHEET TITLE

LIGHT FIXTURE DATA SHEETS

E6.1



# Bulk Asbestos Material Analysis

(EPA Method 600/R-93/116, Point Count Analysis)

FCG Environmental  
Alan Forbess  
1009 Mercer Avenue

Ojai, CA 93023

**Client ID:** 7238  
**Report Number:** N005262  
**Date Received:** 03/13/13  
**Date Analyzed:** 04/03/13  
**Date Printed:** 04/03/13

**Job ID/Site:** CMWD -5; Casitas Municipal Water District, 1055 N. Ventura Ave., Oak View, CA

**PLM Report Number:** B174611

**FALI Job ID:** 7238  
**Total Samples Submitted:** 2  
**Total Samples Analyzed:** 2

## Sample Preparation and Analysis:

Each sample was prepared using the gravimetric technique. A representative subsample was weighed, ashed for eight hours, and reweighed to determine the proportion of the organic component. The ashed residue was ground in concentrated hydrochloric acid, dried and reweighed to determine the acid-soluble component weight percentage. The residual material was analyzed for asbestos using polarized light microscopy. Asbestos quantitation was performed using the semi-quantitative Point Count method following the general guidelines in EPA Method 600/R-93/116. The analytical sensitivity for the method is calculated as the asbestos concentration that results from one point counted in the analysis adjusted using the residual weight of the sample. The limit of detection for this method has not been determined.

Sample ID	Lab Number	Sample Description
-----------	------------	--------------------

<b>1</b>	50790066	<b>Brown Mastic</b>
----------	----------	---------------------

### Point Count Results:

Number of asbestos points counted: 1  
Number of non-empty points: 1000  
**Percent asbestos in layer: 0.04**  
Analytical sensitivity (%): 0.04  
Asbestos type(s) detected: Anthophyllite

### Gravimetry Results:

Organic weight percentage: 55.14  
Acid-soluble weight percentage: 0.50  
Residual weight percentage: 44.36

Comment:

<b>2</b>	50790067	<b>Brown Mastic</b>
----------	----------	---------------------

### Point Count Results:

Number of asbestos points counted: 0  
Number of non-empty points: 1000  
**Percent asbestos in layer: < 0.04**  
Analytical sensitivity (%): 0.04  
Asbestos type(s) detected: Anthophyllite

### Gravimetry Results:

Organic weight percentage: 54.97  
Acid-soluble weight percentage: 0.05  
Residual weight percentage: 44.98

Comment: Asbestos was detected but no points were counted due to counting criteria.





# Bulk Asbestos Material Analysis

(EPA Method 600/R-93/116, Point Count Analysis)

FCG Environmental  
Alan Forbess  
1009 Mercer Avenue

Ojai, CA 93023

**Client ID:** 7238  
**Report Number:** N005262  
**Date Received:** 03/13/13  
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Sample ID	Lab Number	Sample Description
-----------	------------	--------------------

Steven Takahashi, Laboratory Supervisor, Rancho Dominguez Laboratory

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Client Name & Address: FCG (Forbess Consulting Group, Inc.) 1009 Mercer Avenue Ojai, CA 93023		Client No.: 7238	PO/Job#: <u>CMWD-5</u>	Date: <u>3/12/13</u>
Contact: Alan Forbess, President		Turn Around Time: <input checked="" type="checkbox"/> Same Day / <input type="checkbox"/> 1Day / <input type="checkbox"/> 2Day / <input type="checkbox"/> 3Day / <input type="checkbox"/> 4Day / <input type="checkbox"/> 5Day		
Phone: (805) 646-1995		<input type="checkbox"/> PCM: <input type="checkbox"/> NIOSH 7400A / <input type="checkbox"/> NIOSH 7400B <input type="checkbox"/> Rotometer <input checked="" type="checkbox"/> PLM: <input checked="" type="checkbox"/> Standard / <input type="checkbox"/> Point Count 400 - 1000 / <input type="checkbox"/> CARB 435		
Fax:		<input type="checkbox"/> TEM Air: <input type="checkbox"/> AHERA / <input type="checkbox"/> Yamate2 / <input type="checkbox"/> NIOSH 7402 <input type="checkbox"/> TEM Bulk: <input type="checkbox"/> Quantitative / <input type="checkbox"/> Qualitative / <input type="checkbox"/> Chatfield <input type="checkbox"/> TEM Water: <input type="checkbox"/> Potable / <input type="checkbox"/> Non-Potable / <input type="checkbox"/> Weight % <input type="checkbox"/> TEM Microvac: <input type="checkbox"/> Qual(+/-) / <input type="checkbox"/> D5755(str/area) / <input type="checkbox"/> D5756(str/mass)		
E-mail: <a href="mailto:aforbess@fcgenviron.com">aforbess@fcgenviron.com</a> <a href="mailto:feg.bill@gmail.com">feg.bill@gmail.com</a>		<input type="checkbox"/> IAQ Particle Identification (PLM LAB) <input type="checkbox"/> PLM Opaques/Soot <input type="checkbox"/> Particle Identification (TEM LAB) <input type="checkbox"/> Special Project		
Site: <u>CASITAS MUNICIPAL WATER DISTRICT</u>		<input type="checkbox"/> Metals Analysis: Method: _____ Matrix: _____ Analytes: _____		
Site Location: <u>1055 N. VENTURA AVE.</u>		Report Via: <input type="checkbox"/> Fax <input type="checkbox"/> E-Mail <input type="checkbox"/> Verbal		
Comments: <u>OAK VIEW, CA</u>				

Sample ID	Date / Time	Sample Location / Description	FOR AIR SAMPLES ONLY				Sample Area / Air Volume
			Type	Time On/Off	Avg. LPM	Total Time	
1	3/12/13	12" ACOUSTIC BREAK RM. CEILING TILE KITCHEN	A P C				
2	}	NORTH HALL	A P C				
3		ENTRY HALL	A P C				
4		SOUTH HALL	A P C				
				A P C			
			A P C				
			A P C				
			A P C				
			A P C				

Sampled By: <u>BILL MILLER</u>		Date: <u>3/12/13</u>	Time: <u>9:30 AM</u>
Shipped Via: <input type="checkbox"/> Fed Ex <input type="checkbox"/> DHL <input type="checkbox"/> UPS <input type="checkbox"/> US Mail <input type="checkbox"/> Courier <input type="checkbox"/> Drop Off <input type="checkbox"/> Other:			
Relinquished By: <u>[Signature]</u>	Relinquished By:	Relinquished By:	
Date/Time: <u>3/12/13 11:00 AM</u>	Date/Time:	Date/Time:	
Received By: <u>[Signature]</u>	Received By:	Received By:	
Date/Time: <u>3-13-13 9:50 AM</u>	Date/Time:	Date/Time:	
Condition Acceptable? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Condition Acceptable? <input type="checkbox"/> Yes <input type="checkbox"/> No	Condition Acceptable? <input type="checkbox"/> Yes <input type="checkbox"/> No	

## Request for Taxpayer Identification Number and Certification

**Give form to the  
requester. Do not  
send to the IRS.**

<b>Print or type See Specific Instructions on page 2.</b>	Name (as shown on your income tax return)	
	Business name, if different from above	
	Check appropriate box: <input type="checkbox"/> Individual/Sole proprietor <input type="checkbox"/> Corporation <input type="checkbox"/> Partnership <input type="checkbox"/> Limited liability company. Enter the tax classification (D=disregarded entity, C=corporation, P=partnership) ▶ ..... <input type="checkbox"/> Exempt payee <input type="checkbox"/> Other (see instructions) ▶	
	Address (number, street, and apt. or suite no.)	Requester's name and address (optional)
	City, state, and ZIP code	
	List account number(s) here (optional)	

### Part I Taxpayer Identification Number (TIN)

Enter your TIN in the appropriate box. The TIN provided must match the name given on Line 1 to avoid backup withholding. For individuals, this is your social security number (SSN). However, for a resident alien, sole proprietor, or disregarded entity, see the Part I instructions on page 3. For other entities, it is your employer identification number (EIN). If you do not have a number, see *How to get a TIN* on page 3.

Social security number
or
Employer identification number

**Note.** If the account is in more than one name, see the chart on page 4 for guidelines on whose number to enter.

### Part II Certification

Under penalties of perjury, I certify that:

1. The number shown on this form is my correct taxpayer identification number (or I am waiting for a number to be issued to me), and
2. I am not subject to backup withholding because: (a) I am exempt from backup withholding, or (b) I have not been notified by the Internal Revenue Service (IRS) that I am subject to backup withholding as a result of a failure to report all interest or dividends, or (c) the IRS has notified me that I am no longer subject to backup withholding, and
3. I am a U.S. citizen or other U.S. person (defined below).

**Certification instructions.** You must cross out item 2 above if you have been notified by the IRS that you are currently subject to backup withholding because you have failed to report all interest and dividends on your tax return. For real estate transactions, item 2 does not apply. For mortgage interest paid, acquisition or abandonment of secured property, cancellation of debt, contributions to an individual retirement arrangement (IRA), and generally, payments other than interest and dividends, you are not required to sign the Certification, but you must provide your correct TIN. See the instructions on page 4.

<b>Sign Here</b>	Signature of U.S. person ▶	Date ▶
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## General Instructions

Section references are to the Internal Revenue Code unless otherwise noted.

### Purpose of Form

A person who is required to file an information return with the IRS must obtain your correct taxpayer identification number (TIN) to report, for example, income paid to you, real estate transactions, mortgage interest you paid, acquisition or abandonment of secured property, cancellation of debt, or contributions you made to an IRA.

Use Form W-9 only if you are a U.S. person (including a resident alien), to provide your correct TIN to the person requesting it (the requester) and, when applicable, to:

1. Certify that the TIN you are giving is correct (or you are waiting for a number to be issued),
2. Certify that you are not subject to backup withholding, or
3. Claim exemption from backup withholding if you are a U.S. exempt payee. If applicable, you are also certifying that as a U.S. person, your allocable share of any partnership income from a U.S. trade or business is not subject to the withholding tax on foreign partners' share of effectively connected income.

**Note.** If a requester gives you a form other than Form W-9 to request your TIN, you must use the requester's form if it is substantially similar to this Form W-9.

**Definition of a U.S. person.** For federal tax purposes, you are considered a U.S. person if you are:

- An individual who is a U.S. citizen or U.S. resident alien,
- A partnership, corporation, company, or association created or organized in the United States or under the laws of the United States,
- An estate (other than a foreign estate), or
- A domestic trust (as defined in Regulations section 301.7701-7).

**Special rules for partnerships.** Partnerships that conduct a trade or business in the United States are generally required to pay a withholding tax on any foreign partners' share of income from such business. Further, in certain cases where a Form W-9 has not been received, a partnership is required to presume that a partner is a foreign person, and pay the withholding tax. Therefore, if you are a U.S. person that is a partner in a partnership conducting a trade or business in the United States, provide Form W-9 to the partnership to establish your U.S. status and avoid withholding on your share of partnership income.

The person who gives Form W-9 to the partnership for purposes of establishing its U.S. status and avoiding withholding on its allocable share of net income from the partnership conducting a trade or business in the United States is in the following cases:

- The U.S. owner of a disregarded entity and not the entity,

- The U.S. grantor or other owner of a grantor trust and not the trust, and
- The U.S. trust (other than a grantor trust) and not the beneficiaries of the trust.

**Foreign person.** If you are a foreign person, do not use Form W-9. Instead, use the appropriate Form W-8 (see Publication 515, Withholding of Tax on Nonresident Aliens and Foreign Entities).

**Nonresident alien who becomes a resident alien.** Generally, only a nonresident alien individual may use the terms of a tax treaty to reduce or eliminate U.S. tax on certain types of income. However, most tax treaties contain a provision known as a “saving clause.” Exceptions specified in the saving clause may permit an exemption from tax to continue for certain types of income even after the payee has otherwise become a U.S. resident alien for tax purposes.

If you are a U.S. resident alien who is relying on an exception contained in the saving clause of a tax treaty to claim an exemption from U.S. tax on certain types of income, you must attach a statement to Form W-9 that specifies the following five items:

1. The treaty country. Generally, this must be the same treaty under which you claimed exemption from tax as a nonresident alien.
2. The treaty article addressing the income.
3. The article number (or location) in the tax treaty that contains the saving clause and its exceptions.
4. The type and amount of income that qualifies for the exemption from tax.
5. Sufficient facts to justify the exemption from tax under the terms of the treaty article.

**Example.** Article 20 of the U.S.-China income tax treaty allows an exemption from tax for scholarship income received by a Chinese student temporarily present in the United States. Under U.S. law, this student will become a resident alien for tax purposes if his or her stay in the United States exceeds 5 calendar years. However, paragraph 2 of the first Protocol to the U.S.-China treaty (dated April 30, 1984) allows the provisions of Article 20 to continue to apply even after the Chinese student becomes a resident alien of the United States. A Chinese student who qualifies for this exception (under paragraph 2 of the first protocol) and is relying on this exception to claim an exemption from tax on his or her scholarship or fellowship income would attach to Form W-9 a statement that includes the information described above to support that exemption.

If you are a nonresident alien or a foreign entity not subject to backup withholding, give the requester the appropriate completed Form W-8.

**What is backup withholding?** Persons making certain payments to you must under certain conditions withhold and pay to the IRS 28% of such payments. This is called “backup withholding.” Payments that may be subject to backup withholding include interest, tax-exempt interest, dividends, broker and barter exchange transactions, rents, royalties, nonemployee pay, and certain payments from fishing boat operators. Real estate transactions are not subject to backup withholding.

You will not be subject to backup withholding on payments you receive if you give the requester your correct TIN, make the proper certifications, and report all your taxable interest and dividends on your tax return.

**Payments you receive will be subject to backup withholding if:**

1. You do not furnish your TIN to the requester,
2. You do not certify your TIN when required (see the Part II instructions on page 3 for details),
3. The IRS tells the requester that you furnished an incorrect TIN,

4. The IRS tells you that you are subject to backup withholding because you did not report all your interest and dividends on your tax return (for reportable interest and dividends only), or

5. You do not certify to the requester that you are not subject to backup withholding under 4 above (for reportable interest and dividend accounts opened after 1983 only).

Certain payees and payments are exempt from backup withholding. See the instructions below and the separate Instructions for the Requester of Form W-9.

Also see *Special rules for partnerships* on page 1.

## Penalties

**Failure to furnish TIN.** If you fail to furnish your correct TIN to a requester, you are subject to a penalty of \$50 for each such failure unless your failure is due to reasonable cause and not to willful neglect.

**Civil penalty for false information with respect to withholding.** If you make a false statement with no reasonable basis that results in no backup withholding, you are subject to a \$500 penalty.

**Criminal penalty for falsifying information.** Willfully falsifying certifications or affirmations may subject you to criminal penalties including fines and/or imprisonment.

**Misuse of TINs.** If the requester discloses or uses TINs in violation of federal law, the requester may be subject to civil and criminal penalties.

## Specific Instructions

### Name

If you are an individual, you must generally enter the name shown on your income tax return. However, if you have changed your last name, for instance, due to marriage without informing the Social Security Administration of the name change, enter your first name, the last name shown on your social security card, and your new last name.

If the account is in joint names, list first, and then circle, the name of the person or entity whose number you entered in Part I of the form.

**Sole proprietor.** Enter your individual name as shown on your income tax return on the “Name” line. You may enter your business, trade, or “doing business as (DBA)” name on the “Business name” line.

**Limited liability company (LLC).** Check the “Limited liability company” box only and enter the appropriate code for the tax classification (“D” for disregarded entity, “C” for corporation, “P” for partnership) in the space provided.

For a single-member LLC (including a foreign LLC with a domestic owner) that is disregarded as an entity separate from its owner under Regulations section 301.7701-3, enter the owner’s name on the “Name” line. Enter the LLC’s name on the “Business name” line.

For an LLC classified as a partnership or a corporation, enter the LLC’s name on the “Name” line and any business, trade, or DBA name on the “Business name” line.

**Other entities.** Enter your business name as shown on required federal tax documents on the “Name” line. This name should match the name shown on the charter or other legal document creating the entity. You may enter any business, trade, or DBA name on the “Business name” line.

**Note.** You are requested to check the appropriate box for your status (individual/sole proprietor, corporation, etc.).

### Exempt Payee

If you are exempt from backup withholding, enter your name as described above and check the appropriate box for your status, then check the “Exempt payee” box in the line following the business name, sign and date the form.

Generally, individuals (including sole proprietors) are not exempt from backup withholding. Corporations are exempt from backup withholding for certain payments, such as interest and dividends.

**Note.** If you are exempt from backup withholding, you should still complete this form to avoid possible erroneous backup withholding.

The following payees are exempt from backup withholding:

1. An organization exempt from tax under section 501(a), any IRA, or a custodial account under section 403(b)(7) if the account satisfies the requirements of section 401(f)(2),
2. The United States or any of its agencies or instrumentalities,
3. A state, the District of Columbia, a possession of the United States, or any of their political subdivisions or instrumentalities,
4. A foreign government or any of its political subdivisions, agencies, or instrumentalities, or
5. An international organization or any of its agencies or instrumentalities.

Other payees that may be exempt from backup withholding include:

6. A corporation,
7. A foreign central bank of issue,
8. A dealer in securities or commodities required to register in the United States, the District of Columbia, or a possession of the United States,
9. A futures commission merchant registered with the Commodity Futures Trading Commission,
10. A real estate investment trust,
11. An entity registered at all times during the tax year under the Investment Company Act of 1940,
12. A common trust fund operated by a bank under section 584(a),
13. A financial institution,
14. A middleman known in the investment community as a nominee or custodian, or
15. A trust exempt from tax under section 664 or described in section 4947.

The chart below shows types of payments that may be exempt from backup withholding. The chart applies to the exempt payees listed above, 1 through 15.

IF the payment is for . . .	THEN the payment is exempt for . . .
Interest and dividend payments	All exempt payees except for 9
Broker transactions	Exempt payees 1 through 13. Also, a person registered under the Investment Advisers Act of 1940 who regularly acts as a broker
Barter exchange transactions and patronage dividends	Exempt payees 1 through 5
Payments over \$600 required to be reported and direct sales over \$5,000 <sup>1</sup>	Generally, exempt payees 1 through 7

<sup>1</sup> See Form 1099-MISC, Miscellaneous Income, and its instructions.

<sup>2</sup> However, the following payments made to a corporation (including gross proceeds paid to an attorney under section 6045(f), even if the attorney is a corporation) and reportable on Form 1099-MISC are not exempt from backup withholding: medical and health care payments, attorneys' fees, and payments for services paid by a federal executive agency.

## Part I. Taxpayer Identification Number (TIN)

**Enter your TIN in the appropriate box.** If you are a resident alien and you do not have and are not eligible to get an SSN, your TIN is your IRS individual taxpayer identification number (ITIN). Enter it in the social security number box. If you do not have an ITIN, see *How to get a TIN* below.

If you are a sole proprietor and you have an EIN, you may enter either your SSN or EIN. However, the IRS prefers that you use your SSN.

If you are a single-member LLC that is disregarded as an entity separate from its owner (see *Limited liability company (LLC)* on page 2), enter the owner's SSN (or EIN, if the owner has one). Do not enter the disregarded entity's EIN. If the LLC is classified as a corporation or partnership, enter the entity's EIN.

**Note.** See the chart on page 4 for further clarification of name and TIN combinations.

**How to get a TIN.** If you do not have a TIN, apply for one immediately. To apply for an SSN, get Form SS-5, Application for a Social Security Card, from your local Social Security Administration office or get this form online at [www.ssa.gov](http://www.ssa.gov). You may also get this form by calling 1-800-772-1213. Use Form W-7, Application for IRS Individual Taxpayer Identification Number, to apply for an ITIN, or Form SS-4, Application for Employer Identification Number, to apply for an EIN. You can apply for an EIN online by accessing the IRS website at [www.irs.gov/businesses](http://www.irs.gov/businesses) and clicking on Employer Identification Number (EIN) under Starting a Business. You can get Forms W-7 and SS-4 from the IRS by visiting [www.irs.gov](http://www.irs.gov) or by calling 1-800-TAX-FORM (1-800-829-3676).

If you are asked to complete Form W-9 but do not have a TIN, write "Applied For" in the space for the TIN, sign and date the form, and give it to the requester. For interest and dividend payments, and certain payments made with respect to readily tradable instruments, generally you will have 60 days to get a TIN and give it to the requester before you are subject to backup withholding on payments. The 60-day rule does not apply to other types of payments. You will be subject to backup withholding on all such payments until you provide your TIN to the requester.

**Note.** Entering "Applied For" means that you have already applied for a TIN or that you intend to apply for one soon.

**Caution:** A disregarded domestic entity that has a foreign owner must use the appropriate Form W-8.

## Part II. Certification

To establish to the withholding agent that you are a U.S. person, or resident alien, sign Form W-9. You may be requested to sign by the withholding agent even if items 1, 4, and 5 below indicate otherwise.

For a joint account, only the person whose TIN is shown in Part I should sign (when required). Exempt payees, see *Exempt Payee* on page 2.

**Signature requirements.** Complete the certification as indicated in 1 through 5 below.

**1. Interest, dividend, and barter exchange accounts opened before 1984 and broker accounts considered active during 1983.** You must give your correct TIN, but you do not have to sign the certification.

**2. Interest, dividend, broker, and barter exchange accounts opened after 1983 and broker accounts considered inactive during 1983.** You must sign the certification or backup withholding will apply. If you are subject to backup withholding and you are merely providing your correct TIN to the requester, you must cross out item 2 in the certification before signing the form.

**3. Real estate transactions.** You must sign the certification. You may cross out item 2 of the certification.

**4. Other payments.** You must give your correct TIN, but you do not have to sign the certification unless you have been notified that you have previously given an incorrect TIN. "Other payments" include payments made in the course of the requester's trade or business for rents, royalties, goods (other than bills for merchandise), medical and health care services (including payments to corporations), payments to a nonemployee for services, payments to certain fishing boat crew members and fishermen, and gross proceeds paid to attorneys (including payments to corporations).

**5. Mortgage interest paid by you, acquisition or abandonment of secured property, cancellation of debt, qualified tuition program payments (under section 529), IRA, Coverdell ESA, Archer MSA or HSA contributions or distributions, and pension distributions.** You must give your correct TIN, but you do not have to sign the certification.

## Secure Your Tax Records from Identity Theft

Identity theft occurs when someone uses your personal information such as your name, social security number (SSN), or other identifying information, without your permission, to commit fraud or other crimes. An identity thief may use your SSN to get a job or may file a tax return using your SSN to receive a refund.

To reduce your risk:

- Protect your SSN,
- Ensure your employer is protecting your SSN, and
- Be careful when choosing a tax preparer.

Call the IRS at 1-800-829-1040 if you think your identity has been used inappropriately for tax purposes.

Victims of identity theft who are experiencing economic harm or a system problem, or are seeking help in resolving tax problems that have not been resolved through normal channels, may be eligible for Taxpayer Advocate Service (TAS) assistance. You can reach TAS by calling the TAS toll-free case intake line at 1-877-777-4778 or TTY/TDD 1-800-829-4059.

**Protect yourself from suspicious emails or phishing schemes.** Phishing is the creation and use of email and websites designed to mimic legitimate business emails and websites. The most common act is sending an email to a user falsely claiming to be an established legitimate enterprise in an attempt to scam the user into surrendering private information that will be used for identity theft.

The IRS does not initiate contacts with taxpayers via emails. Also, the IRS does not request personal detailed information through email or ask taxpayers for the PIN numbers, passwords, or similar secret access information for their credit card, bank, or other financial accounts.

If you receive an unsolicited email claiming to be from the IRS, forward this message to [phishing@irs.gov](mailto:phishing@irs.gov). You may also report misuse of the IRS name, logo, or other IRS personal property to the Treasury Inspector General for Tax Administration at 1-800-366-4484. You can forward suspicious emails to the Federal Trade Commission at: [spam@uce.gov](mailto:spam@uce.gov) or contact them at [www.consumer.gov/idtheft](http://www.consumer.gov/idtheft) or 1-877-IDTHEFT(438-4338).

Visit the IRS website at [www.irs.gov](http://www.irs.gov) to learn more about identity theft and how to reduce your risk.

### What Name and Number To Give the Requester

For this type of account:	Give name and SSN of:
1. Individual	The individual
2. Two or more individuals (joint account)	The actual owner of the account or, if combined funds, the first individual on the account <sup>1</sup>
3. Custodian account of a minor (Uniform Gift to Minors Act)	The minor <sup>2</sup>
4. a. The usual revocable savings trust (grantor is also trustee)	The grantor-trustee <sup>1</sup>
b. So-called trust account that is not a legal or valid trust under state law	The actual owner <sup>1</sup>
5. Sole proprietorship or disregarded entity owned by an individual	The owner <sup>3</sup>
For this type of account:	Give name and EIN of:
6. Disregarded entity not owned by an individual	The owner
7. A valid trust, estate, or pension trust	Legal entity <sup>4</sup>
8. Corporate or LLC electing corporate status on Form 8832	The corporation
9. Association, club, religious, charitable, educational, or other tax-exempt organization	The organization
10. Partnership or multi-member LLC	The partnership
11. A broker or registered nominee	The broker or nominee
12. Account with the Department of Agriculture in the name of a public entity (such as a state or local government, school district, or prison) that receives agricultural program payments	The public entity

<sup>1</sup> List first and circle the name of the person whose number you furnish. If only one person on a joint account has an SSN, that person's number must be furnished.

<sup>2</sup> Circle the minor's name and furnish the minor's SSN.

<sup>3</sup> You must show your individual name and you may also enter your business or "DBA" name on the second name line. You may use either your SSN or EIN (if you have one), but the IRS encourages you to use your SSN.

<sup>4</sup> List first and circle the name of the trust, estate, or pension trust. (Do not furnish the TIN of the personal representative or trustee unless the legal entity itself is not designated in the account title.) Also see *Special rules for partnerships* on page 1.

**Note.** If no name is circled when more than one name is listed, the number will be considered to be that of the first name listed.

### Privacy Act Notice

Section 6109 of the Internal Revenue Code requires you to provide your correct TIN to persons who must file information returns with the IRS to report interest, dividends, and certain other income paid to you, mortgage interest you paid, the acquisition or abandonment of secured property, cancellation of debt, or contributions you made to an IRA, or Archer MSA or HSA. The IRS uses the numbers for identification purposes and to help verify the accuracy of your tax return. The IRS may also provide this information to the Department of Justice for civil and criminal litigation, and to cities, states, the District of Columbia, and U.S. possessions to carry out their tax laws. We may also disclose this information to other countries under a tax treaty, to federal and state agencies to enforce federal nontax criminal laws, or to federal law enforcement and intelligence agencies to combat terrorism.

You must provide your TIN whether or not you are required to file a tax return. Payers must generally withhold 28% of taxable interest, dividend, and certain other payments to a payee who does not give a TIN to a payer. Certain penalties may also apply.

TO ALL FORMAL BIDDERS

**CHECKLIST OF FORMS TO BE RETURNED TO CMWD**

**DISTRICT OFFICE LIGHTING REPLACEMENT**

**SPECIFICATION NO. 17-396**

Notice Inviting Bids  
Instructions to Bidders  
Proposal  
Bidding Sheet  
Bidder's Plan for Construction  
Bidder's Statement of Subcontractors  
Bidder's Bond  
Certification of Nonsegregated Facilities  
Bidder's Questionnaire  
Non Collusion Declaration

RETURN TO

**Casitas Municipal Water District**  
**1055 Ventura Avenue**  
**Oak View, CA 93022**

*Bids will be received at the office of the  
Casitas Municipal Water District  
until 4:00 p.m.  
on Tuesday, November 14, 2017*

**CASITAS MUNICIPAL WATER DISTRICT**

**NOTICE INVITING BIDS**

**DISTRICT OFFICE LIGHTING REPLACEMENT  
SPECIFICATION NO. 17-396**

Sealed bids will be received by the Casitas Municipal Water District up to **4:00 p.m. on Tuesday, November 14, 2017** at the office of the District, 1055 Ventura Avenue, Oak View, California 93022, at which time they will be opened and publicly read aloud, for the District Office Lighting Replacement Project, Specification No. 17-396. Each bid shall be made out on a form to be obtained from Casitas Municipal Water District. Each bid must be accompanied by a certified check, a cashier's check, or by a bid bond executed by a corporate surety satisfactory to the Casitas Municipal Water District, in the sum of not less than ten (10) percent of the total amount of the bid, as a guarantee that the bidder will enter into the proposed contract, if it be awarded to them. The guarantee will be forfeited, should the bidder to whom the contract is awarded fail to enter into the contract.

The bidder to whom the contract is awarded may be required to furnish a sworn statement of their financial responsibility, technical ability, and experience.

**In accordance with the provisions of Section 1770-1784 of the California Labor Code, the Casitas Municipal Water District has ascertained the general prevailing rate of wages applicable to the work to be done.** It shall be mandatory upon the Contractor to whom the contract is awarded, and upon the subcontractor under them, to pay not less than the specified rates to all laborers and mechanics employed by them in the execution of the contract. The wage scale can be obtained on the internet at [www.dir.ca.gov/dlsr/statistics\\_research.html](http://www.dir.ca.gov/dlsr/statistics_research.html).

**All bidders and their subcontractors shall be registered with the California Department of Industrial Relations (DIR). Failure of the bidder or subcontractors to be registered with the DIR shall render their bid as non-responsive and will be rejected except where State code provides for exceptions to the registration requirements. All contractors and their subcontractors shall furnish electronic certified payroll records directly to the Labor Commissioner, also known as Division of Labor Standards Enforcement.**

The Casitas Municipal Water District shall have the right to retain all bids for a period of thirty (30) days, for examination and comparison, and reserves the right to reject any and all bids.

The contract documents shall consist of this Notice Inviting Bids, the Instructions to Bidders, Formal Proposal with Bidding Sheet and Bidder's Plan for Construction, Form of Agreement, Specifications and Drawings, and any changes which may be ordered by issuance of a supplemental notice.

No pre-bid conference is scheduled for this project. Bidders must contact Neil Cole at (805) 649-2251 x107 to schedule site visits. Complete bid package (plans and specifications) may be examined and **downloaded free of charge** from our website at: <http://www.casitaswater.org/lower.php?url=bidding-jobs>. Copies may be ordered from Casitas for fifty one (\$51.00) dollars, or mailed to you for sixty six



(\$66.00) dollars. Please allow three (3) working days to print a complete bid package plus mailing time.  
No refunds will be made.

## **INSTRUCTIONS TO BIDDERS**

Proposal. The proposal shall be submitted on the separate bid forms accompanying these specifications, designated "Proposal" and made a part of these specifications. The proposal shall be enclosed in a sealed envelope addressed to Casitas Municipal Water District, 1055 Ventura Avenue, Oak View, California, 93022, and shall be endorsed with the name of the project as set forth in the Notice Inviting Bids.

The sealed proposals will be publicly opened and read at the time and place stated in the Notice Inviting Bids. Bidders, or their authorized agents, are invited to be present.

The proposal shall give the price, both in words and in figures, for which the bidder proposes to do the work required by the Specifications and the accompanying Drawings. In the event of disagreement between words and figures, the words will govern and the figures will be disregarded. In the event that the unit price and the total amount named by any bidder for any item are not in agreement, the unit price shall govern and the totals shall be corrected to conform thereto. The bidder shall fill out all blanks of the proposal forms as therein required.

Unauthorized conditions, limitations, or provisions attached to a proposal will render it informal, and may cause its rejection. The completed proposal forms shall be without interlineations, alterations, or erasures. Alternate proposals will not be considered unless asked for. No oral or telephonic proposals or modifications will be considered.

The District reserves the right to waive any informalities which, in the opinion of the Board of Directors, do not materially affect the relationship of the various proposals. The District reserves the right to reject any and all bids for any reason at the sole discretion of the District, with or without cause.

The proposal may be withdrawn upon request by the bidder without prejudice to the Bidder prior to, but not after, the time fixed for opening of bids, provided that the request is in writing, has been executed by the bidder or their duly authorized representative, and is filed with Casitas Municipal Water District.

Proposal Signature. If the proposal is made by an individual, it shall be signed and their full name and address shall be given; if it is made by a partnership, it shall be signed with the partnership name by a member of the firm, who shall sign their own name, and the name and address of each member shall be given; and if it is made by a corporation, the name of the corporation shall be signed by its duly authorized officer or officers, attested by the corporate seal, and the names and titles of all officers of the corporation shall be given.

Competency of Bidders. In selecting the bidder for award of the contract consideration will be given not only to the total amount of the bid, but also to the general competency of the bidder for the performance of the work covered by the proposal. To this end, the District will require bidders to submit a statement of their technical ability, experience and safety record. The District reserves the right to require a statement of the lowest bidder's current financial condition prior to acceptance of the proposal. Such statement shall be prepared on Bidder's Questionnaire forms furnished by the District, shown on pages A-23 through A-29.

Bidders' Plan for Construction. As part of the proposal, bidders must furnish a detailed statement of the plan or layout for performing the work. As preparation for the foregoing, each Bidder shall examine carefully the site of the proposed work and the contract documents therefore. It will be assumed that the bidder has investigated, and is satisfied as to, the conditions to be encountered; the characters, quality, and quantities of work to be performed; the quality and quantities of the materials to be furnished, and the requirements of the contract, specifications, and drawings.

Subcontracts. Subcontracts will be permitted, subject to the following provisions. No subcontract will be permitted which has the effect of avoiding the residence or wage requirements, or any other provision of the main contract. Individual subcontractors, or members of the contracting or subcontracting organizations personally engaged upon the work, shall be subject to all the requirements of these specifications applicable to employees working for wages, including but not limited to wages, hours of work, character of workmen and certified payrolls.

Reference is hereby made to the provisions of Chapter 2 of Division 5 of Title 1 of the Government Code of the State of California, commencing with Section 4100, also known as the "Subletting and Subcontracting Fair Practices Act", which is incorporated herein and made a part hereof by reference, and the Contractor is bound thereby and shall be made subject to the consequences named in sections 4110 and 4111 of said Act, in the event of his violation thereof. Each bidder shall, in their bid or offer, set forth: (1) the name and the location of the place of business of each subcontractor who will perform work or labor or render service to the Contractor in or about the construction of the work or improvement, in an amount in excess of one-half of one percent of the Contractor's total bid, or a subcontractor licensed by the State of California who, under subcontract to the prime Contractor, specifically fabricates and installs a portion of the work or improvement according to detailed drawings contained in the plans and specifications, in an amount in excess of one-half of one percent of the Prime Contractor's total bid; and (2) the portion of the work which will be done by each such subcontractor under said Act. The Contractor shall list only one subcontract for each such portion as defined by the Contractor in their bid. If the Contractor fails to specify a subcontractor, or if the Contractor specifies more than one subcontractor for the same portion of the work to be performed under this contract in excess of one-half of one percent of the Contractor's total bid, the Contractor agrees that Contractor is fully qualified to perform that portion, and that Contractor shall perform that portion.

Subcontractors. Bidders must furnish as a part of the proposal, a complete listing of names and addresses of all subcontractors who will perform work in an amount in excess of one-half (2) of one percent (1%) of the total bid price, and a statement of the work which will be done by each subcontractor. The required statement shall be on the form of Bidder's Statement of Subcontractors, accompanying these specifications.

Prevailing Rate at Per Diem Wages. In accordance with the provisions of Section 1770 of the California Labor Code, the District has ascertained the general prevailing rates of wages applicable to the work to be done. It shall be mandatory upon the Contractor to whom the contract is awarded, and upon any subcontractor under Contractor, to pay not less than the specified rates to all laborers and mechanics employed by Contractor in the execution of the contract. The wage scale can be viewed at [http://www.dir.ca.gov/dlsr/statistics\\_research.html](http://www.dir.ca.gov/dlsr/statistics_research.html). **Final payment for services provided shall not be distributed until receipt of proof of prevailing wage payments is received.**

Disqualification of Bidders. More than one proposal from an individual, partnership, corporation, or association under the same or different names will not be considered. Reasonable grounds for believing that any bidder is interested in more than one proposal for the work contemplated will cause the rejection of all proposals in which said Bidder is interested. If there is reason for believing that collusion exists among Bidders, all bids will be rejected, and none of the participants in such collusion will be considered in future proposals.

Return of Proposal Guarantee. Proposal guarantees will be held until the contract has been executed. They will be returned to the respective Bidders whose proposals they accompany.

Insurance and Bonds. The Bidder to whom award is made shall promptly secure Workmen's Compensation Insurance, in accordance with the provisions of the California Labor Code and all amendments thereto, and also shall furnish to the District certificate of insurance showing that the Bidder has taken out the insurance of the kinds and in the amounts required under the specifications. The successful Bidder shall also promptly secure, with a reasonable corporate surety or corporate sureties, satisfactory bonds conditioned upon faithful performance by the said Bidder of all requirements under the Contract and upon the payment of claims of materialmen and laborers thereunder. Refer to Summary of Insurance, Bond and Payment Requirements for Various Construction Contracts attached.

Permits. The Contractor, at their sole expense, shall be required to obtain all other permits and/or licenses as required and referenced thereto in Sections 11, 22, 23 and 25 of the General Conditions.

Licensing of Contractors. All Contractors submitting bids shall be licensed in accordance with the provisions of Chapter 9, Division 3, of the Business and Professions Code of the State of California. Effective January 1, 1990, Contractors submitting bids must state, under penalty of perjury, the Contractor's license number and expiration date. Any bid not containing this information shall be considered non-responsive and shall be rejected by Casitas (Business & Professions Code 7028.15). District has determined that the required license for this project is **C-10 Electrical Contractor**.

Supplemental Notices. Full consideration shall be given to all Supplemental Notices in the preparation of Bids, as Supplemental Notices form a part of the Contract Documents. Bidders shall verify the number of Supplemental Notices in the bid. Failure to so acknowledge may cause the Bid to be rejected.

Award of Contract. The award of the contract, if it is awarded, will be to the lowest responsible bidder or bidders whose proposal complies with all requirements presented herein. Casitas maintains the right to reject any and all bids for any reason and to waive minor irregularities.

Execution of Contract. The Bidder to whom award is made shall execute a written contract with the Casitas Municipal Water District in the form of agreement provided, and shall furnish certificate of Workmen's Compensation Insurance and good and approved bonds as required in the preceding paragraphs, within fifteen (15) days from the date of the mailing of a notice from the Casitas Municipal Water District to the Bidder, to the address given by Bidder, of the acceptance of his proposal. At this time the Bidder shall also provide District with a completed IRS W-9 Form (Request for Taxpayer Identification Number and Certification.)

Failure or refusal to enter into a contract as herein provided, or to conform to any of the stipulated requirements in connection therewith, shall be just cause for the annulment of the award and the forfeiture of the proposal guarantee. If the successful Bidder refuses or fails to execute the contract, the Casitas Municipal Water District may award the contract to the second lowest responsible Bidder.

Notice to Proceed shall be issued by the District within fifteen (15) days of the receipt of the bonds, insurance and agreements documents satisfactory to the District and the execution of the Agreement by the District. Should there be reasons why the Notice to Proceed cannot be issued within such period, the time may be extended by mutual agreement between the District and the Bidder. If the Notice to Proceed has not been issued within the period stated herein, the Bidder may terminate the Agreement without further liability on the part of either party.

## **PROPOSAL**

### **DISTRICT OFFICE LIGHTING REPLACEMENT SPECIFICATION NO. 17-396**

TO: Casitas Municipal Water District  
1055 Ventura Avenue, Oak View, California 93022

The undersigned proposes to furnish all materials and labor, and provide all necessary tools and machinery for the project and to perform and complete all the work in the manner set forth, described, and shown in the specifications or on the drawings for the work and in the form of agreement.

The bidder agrees that, upon receipt of written notice of the acceptance of this proposal within thirty (30) days after the opening of the bids, they will execute the contract in accordance with the proposal as accepted and furnish the required bonds and will secure the required insurance, all within fifteen (15) days from the date of mailing of said notice of acceptance to them at their address as given below; and that, upon failure to do so within said time, then the proposal guarantee accompanying this proposal shall become the property of the Casitas Municipal Water District as liquidated damages for such failure, and shall be deposited as monies belonging to the Casitas Municipal Water District. If said bidder shall execute the contract, furnish the required bonds, and secure the required insurance, the proposal guarantee check or bond shall be returned to them within five (5) days thereafter.

The bidder declares that they have read the Notice Inviting Bids and the Instructions to Bidders, and agrees to all the stipulations contained therein; that they have examined the site of the work, the form of agreement, the specifications and the drawings therein referred to; that they propose and agree, in the event their bid as submitted in the attached Bidding Sheet be accepted, to enter into a contract to perform all the work mentioned in the agreement and the specifications, and to complete the same within the time stipulated therein; and that they will accept in full payment therefor the amount named in said Bidding Sheet.

Proposal (Continued)

The bidder further declares that the surety or sureties named in the space provided below have agreed to furnish bonds in the form and amounts set forth in the Instructions to Bidders, in the event the contract is awarded on the basis of this proposal.

Dated: \_\_\_\_\_

(Corporate Seal)

Corporation organized under  
the laws of the State of

\_\_\_\_\_  
\_\_\_\_\_  
Surety or Sureties agreeing to furnish bond:  
furnish bond:

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

\_\_\_\_\_  
Bidder

\_\_\_\_\_  
Telephone No.

By: \_\_\_\_\_

\_\_\_\_\_  
Title

Bidder's post office address:

\_\_\_\_\_  
Contractor's License No.

Names and addresses of all members of the  
members of the partnership, or names and titles of  
officers of the corporation.l

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**BIDDING SHEET**

**DISTRICT OFFICE LIGHTING REPLACEMENT  
SPECIFICATION NO. 17-396**

Schedule of prices for all work, materials and site cleanup for the District Office Lighting Replacement No.17-396 in accordance with these specifications. Any item not specifically mentioned shall be considered incidental to the item to which it pertains. The bidder shall list prices for all bid items. Bids received which do not list prices in succession shall be rejected.

<b>Bid Item #</b>	<b>Quantity &amp; Unit</b>	<b>Description &amp; Price in Words</b>	<b>Unit Cost</b>	<b>Amount \$</b>
1	4200 SF	Paint all 12" by 12" ceiling tiles on the first floor for the unit price of _____ Dollars Per Square Foot	_____/SF	
2	LS	Replace light fixtures and controls for the lump sum price of _____ Dollars	LS	
<b>TOTAL BID AMOUNT (Item 1-2)</b>				<b>\$</b>

<b>ALTERNATE BID ITEM</b>				
<b>Bid Item #</b>	<b>Quantity &amp; Unit</b>	<b>Description &amp; Price in Words</b>		<b>Amount \$</b>
1A	4200 SF	Replace 12" by 12" glued on ceiling tiles with new 24" by 24" glued on ceiling tiles for the lump sum price of _____ Dollars	_____/SF	

The above quantities are based on a lump sum or unit cost price; measurement and payment for each bid item per Part D of specifications. The award of contract will be based on either Items 1 and 2 or Items 2 and 1A, at the District's sole discretion. Bidder will not be released on account of errors. When a discrepancy occurs between the written price and the number listed, the written price shall govern. The Bidder understands that the District reserves the right to reject any or all bids, and to waive any formalities in the bidding.

Date: \_\_\_\_\_

**BIDDER:** \_\_\_\_\_

By: \_\_\_\_\_

Title: \_\_\_\_\_

License No: \_\_\_\_\_ Expires: \_\_\_\_\_

**(CORPORATE SEAL)**

License Classifications: \_\_\_\_\_

Tel. No: \_\_\_\_\_ Cell No: \_\_\_\_\_

Fax No: \_\_\_\_\_ Email: \_\_\_\_\_

Address: \_\_\_\_\_

DIR No. \_\_\_\_\_



**BIDDER'S PLAN FOR CONSTRUCTION**

1. The location for the proposed work was examined on \_\_\_\_\_  
by \_\_\_\_\_ on behalf of the bidder.  
(date)  
(name and title)

2. Explain briefly your plan and tentative schedule for performing the proposed work.

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## BIDDER'S STATEMENT OF SUBCONTRACTORS

The bidder is required to state the name and address of each subcontractor who will perform work in an amount in excess of one-half (2) of one percent (1%) of the total bid price and the portion of the work which each subcontractor will do.

The undersigned submits herewith a list of subcontractors whom they propose to employ on the work, with the proper firm name and business address of each and a statement of the work or bid item which will be done by each subcontractor.

Subcontractor		Portion of Work
Location and Place of Business		DIR No.
License No.	Expiration Date:    /    /	Phone (    )

Subcontractor		Portion of Work
Location and Place of Business		DIR No.
License No.	Expiration Date:    /    /	Phone (    )

Subcontractor		Portion of Work
Location and Place of Business		DIR No.
License No.	Expiration Date:    /    /	Phone (    )

Subcontractor		Portion of Work
Location and Place of Business		DIR No.
License No.	Expiration Date:    /    /	Phone (    )

Subcontractor		Portion of Work
Location and Place of Business		DIR No.
License No.	Expiration Date:    /    /	Phone (    )

Signed:

**BIDDER'S BOND**

KNOW ALL MEN BY THESE PRESENTS,

That we \_\_\_\_\_

\_\_\_\_\_  
\_\_\_\_\_, as PRINCIPAL,

and

\_\_\_\_\_  
\_\_\_\_\_, as SURETY,

are held and firmly bound unto the Casitas Municipal Water District, hereinafter called the District, in the penal sum of TEN PERCENT (10%) OF THE TOTAL AMOUNT OF THE BID of the Principal above named, submitted by said Principal to the Casitas Municipal Water District, for the work described below, for the payment of which sum in lawful money of the United States, well and truly to be made, we bind ourselves, our heirs, executors, administrators and successors, jointly and severally, firmly by these presents.

In no case shall the liability of the surety hereunder exceed the sum of

\$ \_\_\_\_\_

THE CONDITIONS OF THIS OBLIGATION ARE SUCH,

That whereas the Principal has submitted the above-mentioned bid to the Casitas Municipal Water District, for certain construction specifically described as

which bids are to be opened at the office of Casitas Municipal Water District  
on \_\_\_\_\_

NOW, THEREFORE, if the aforesaid Principal is awarded the contract and, within the time and manner required under the heading Instructions to Bidders, after the prescribed forms are presented to him for signature, enters into a written contract, in the form set forth in said specifications, in accordance with the bid, and files the two bonds with the District, one to guarantee faithful performance and the other to guarantee payment for labor and materials, as required by Instructions to Bidders and Certificate of Insurance for Workmen's Compensation and Contractor's liability insurance, then this obligation shall be null and void; otherwise, it shall be and remain in full force and virtue.

Bidder's Bond (Continued)

In the event suit is brought upon this bond by the Obligee and judgement is recovered, the surety shall pay all costs incurred by the Obligee in such suit, including a reasonable attorney's fee to be fixed by the court.

IN WITNESS WHEREOF, we have hereunto set our hands and seals this \_\_\_\_\_ day of \_\_\_\_\_, 2017.

\_\_\_\_\_  
Principal

By \_\_\_\_\_

(SEAL)

NOTE: Signatures of those executing for the surety must be properly acknowledged.

## CERTIFICATION OF NONSEGREGATED FACILITIES

(Applicable to federally assisted construction contracts and related subcontracts exceeding \$10,000 which are not exempt from the Equal Opportunity Clause).

The federally assisted construction contractor certifies that the contractor does not maintain or provide for contractor's employees any segregated facilities at any of the contractor's establishments, and that contractor does not permit contractor's employees to perform their services at any location, under contractor's control, where segregated facilities are maintained. The federally assisted construction Contractor certifies further that contractor will not maintain or provide for contractor's employees any segregated facilities at any of the contractor's establishments, and that contractor will not permit contractor's employees to perform their services at any location, under contractor's control, where segregated facilities are maintained. The federally assisted construction Contractor agrees that a breach of this certification is a violation of the Equal Opportunity clause in this contract. As used in this certification, the term "segregated facilities" means any waiting rooms, work areas, restrooms and washrooms, restaurants and other eating areas, time clocks, locker rooms and other storage or dressing areas, parking lots, drinking fountains, recreation or entertainment areas, transportation, and housing facilities provided for employees which are segregated by explicit directive or are in fact segregated on the basis of race, color, religion or national origin, because of habit, local custom or otherwise. The federally assisted construction Contractor agrees that (except where contractor has obtained identical certifications from proposed subcontractors for specific time periods) contractor will obtain identical certifications from proposed subcontractors prior to the award of subcontracts exceeding \$10,000 which are not exempt from the provisions of the Equal Opportunity clause, and that contractor will retain such certifications in contractor's files.

**NOTE:** The penalty for making false statements in offers is prescribed in 18 U.S.C. 1001.

\_\_\_\_\_  
Contractor

\_\_\_\_\_  
Signature

\_\_\_\_\_  
Title

Date: \_\_\_\_\_

## **BIDDER'S QUESTIONNAIRE**

### **INSTRUCTIONS**

Pending award of a contract to the lowest bidder, Casitas may require bidders to submit a statement of their current financial condition, technical ability and experience (reference is made to the paragraph on Page A-2 of the Instructions to Bidders entitled "Competency of Bidders").

Each bidder shall be required to complete the attached Bidder's Questionnaire Parts I, II & III. Part IV may be required of the lowest bidder to assist in determining whether they are a responsive and responsible bidder

**PART I - BIDDER'S STATEMENT OF TECHNICAL ABILITY AND EXPERIENCE**

A. History of Bidder

1. Total years organization doing business. \_\_\_\_\_

2. Has your organization done business under another name? Yes \_\_\_\_\_ No \_\_\_\_\_

If yes, state name and address of organization(s) and/or names and addresses of owners or principals.

_____	_____
_____	_____
_____	_____
_____	_____

3. List all principals, owners, partners and stockholders owning more than 10 percent of a corporation.

Name

Name

_____	_____
_____	_____
_____	_____
_____	_____

4. State the name of your organization's Responsible Managing Employee or Officer.

Name	State Contractor's License No.	Classification

Bidder's Questionnaire (Continued)

5. List all jobs for which you were either sued by the owner or you sued the owner within the past ten (10) years. Give name of suit, court and number and disposition thereof.

<b>Name of Suit</b>	<b>Court and Number</b>	<b>Disposition</b>

6. List all jobs for which you asked extra compensation of more than 25 percent of the original contract price.

<b>Name of Owner</b>	<b>Address</b>	<b>Result</b>



Bidder's Questionnaire (Continued)

B. Experience

List all of the jobs in which your organization has been involved during the last five years where the predominant type of construction is similar to this job.

1. Project Completion Date<sup>(1)</sup> \_\_\_\_\_

Value of Contract<sup>(2)</sup> \_\_\_\_\_

General Description of Work<sup>(3)</sup> \_\_\_\_\_

Name and Address of Owner \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

Party to Contact \_\_\_\_\_

Phone Number \_\_\_\_\_

State whether organization was prime, joint venture, sub or other:

\_\_\_\_\_

2. Project Completion Date \_\_\_\_\_

Value of Contract \_\_\_\_\_

General Description of Work \_\_\_\_\_

Name and Address of Owner \_\_\_\_\_

\_\_\_\_\_

Party to Contact \_\_\_\_\_

Phone Number \_\_\_\_\_

State whether organization was prime, joint venture, sub or other:

\_\_\_\_\_

- (1) Project Completion Date - If current, state current; if incomplete, state incomplete.
- (2) Value of Contract is the total amount of money paid for your work, including all settlements or judgements.
- (3) General Description of Work should indicate the predominant type of construction; i.e., water pipeline, paving, earthwork, sewer, pump plant, etc.

Bidder's Questionnaire (Continued)

3. Date of Project \_\_\_\_\_  
Value of Contract \_\_\_\_\_  
General Description of Work \_\_\_\_\_  
Name and Address of Owner \_\_\_\_\_

\_\_\_\_\_  
Party to Contact \_\_\_\_\_ Phone Number \_\_\_\_\_  
State whether organization was prime, joint venture, sub or other:

4. Date of Project \_\_\_\_\_  
Value of Contract \_\_\_\_\_  
General Description of Work \_\_\_\_\_  
Name and Address of Owner \_\_\_\_\_

\_\_\_\_\_  
Party to Contact \_\_\_\_\_ Phone Number \_\_\_\_\_  
State whether organization was prime, joint venture, sub or other:

5. Date of Project \_\_\_\_\_  
Value of Contract \_\_\_\_\_  
General Description of Work \_\_\_\_\_  
Name and Address of Owner \_\_\_\_\_

\_\_\_\_\_  
Party to Contact \_\_\_\_\_ Phone Number \_\_\_\_\_  
State whether organization was prime, joint venture, sub or other:

**PART II - CONTRACTOR'S STATE LICENSE**

1. List all Contractor's State Licenses issued to your organization or to any of your principals.

Name of License Holder	Position in Organization	License No.	Classification	Date of Expiration

2. Has your organization or any of the license holders in your organization been refused the issuance of a State Contractor's License or been disciplined by the State Contractor's Board? Yes ( ) No ( ). If yes, please explain. \_\_\_\_\_

**PART III – CONTRACTOR’S SAFETY RECORD**

1. List your firm’s experience modification rate (EMR) for the last 3 years. The EMR is available from your Worker’s Compensation Insurance firm. This is only required from Firms with Worker’s Compensation Insurance premiums in excess of \$50,000.

_____	_____	_____	_____	_____	_____
Year	EMR	Year	EMR	Year	EMR

2. List your firm’s Recordable Incident Rate (RIR) for the last 3 years. Incident Rate information is available from your OSHA 200/300 Log and from your insurance carrier.

$$\frac{\text{Total number of recordable incidents} \times 200,000}{\text{Total employee hours worked}} = \text{RIR}$$

_____	_____	_____	_____	_____	_____
Year	RIR	Year	RIR	Year	RIR

3. List your firm’s Lost Time Incident Rate (LTIR) for the last 3 years. Incident Rate information is available on your OSHA 200/300 Log and from your insurance carrier.

$$\frac{\text{Total number of lost time incidents} \times 200,000}{\text{Total employee hours worked}} = \text{LTIR}$$

_____	_____	_____	_____	_____	_____
Year	LTIR	Year	LTIR	Year	LTIR

Bidder's Questionnaire (Continued)

Casitas has established the following minimum requirements for this project:

EMR – None greater than 1.2 over the last 3 years

RIR - None greater than 9 over the last 3 years

LTIR – None greater than 4 .5 over the last 3 years

4. Do you have a written safety program that includes hazardous communications? \_\_\_\_\_

5. Do you have a substance abuse policy? \_\_\_\_\_

6. Do all new employees complete safety orientation before performing any work activities? \_\_\_\_\_

7. Do you conduct jobsite safety inspections? \_\_\_\_\_

8. Do you conduct and document post accident investigations? \_\_\_\_\_

**PART IV – FINANCIAL CONDITION (This portion only needs to be completed if requested by Casitas after the bid opening)**

1. Submit your firm’s most recent audited financial statement or financial data or other information and references sufficiently comprehensive to permit an appraisal of your current financial condition.

2. Submit your firm’s most recent balance sheet and profit and loss statement.

I certify under penalty of perjury that the foregoing is true and correct.

Name of Organization \_\_\_\_\_

By: \_\_\_\_\_

Title: \_\_\_\_\_

Date: \_\_\_\_\_

**NONCOLLUSION DECLARATION  
(MUST BE SUBMITTED WITH BID)**

The undersigned declares:

I am the \_\_\_\_\_ of \_\_\_\_\_,  
(Title) (Company)

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)

\_\_\_\_\_